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What We Do Make Models has produced a vast array of exhibition models for local and international exhibits. Our team has collaborated with art curators, exhibition coordinators, designers and event managers to create models that have both been static works in one-off exhibitions, as well as models that have had to live a life on the road through traveling exhibitions. The team takes great care in providing robust, exhibition quality works that have been able to handle the difficulties of regular bump-ins and transit, both locally and internationally. Download a Exhibition Model info pack to take to your next meeting here Download our export guide here NGV- Candalepus Associates 1:500, 2021 Museum of Contemporary Art- Sydney Biennale, Freddy Mamani Wall relief, 2024 Tai Kwun Art Gallery 1:50, 2024 Aileen Sage Architects Michaela Gleave 1:50, 2023 NGV- Evolution Exhbition for Grimshaw 1:200, 2020 Collins and Turner 1:1000, 2020 Museum of Contemporary Art- Sydney Biennale, Freddy Mamani 1:50, 1:50 LOST Exhibition, Collins and Turner 1:200, 2020 Tin Sheds Gallery + Collins and Turner 1:50, 2024 Arts Precinct with Victorian Government 1:500, 2019 Council Exhibition, AJC 1:500, 2023 Jam Factory Travelling Exhbition, Collins and Turner 1:100, 2018 Maritime Museum Exhibition- "Container" 1:100, 2019-2021 Maritime Museum Exhibition- "Container" 1:100, 2019-2021 Maritime Museum Exhibition- "Container" 1:100, 2019-2021 Maritime Museum Exhibition- "Container" 1:50, 2019-2021 Venice Bienalle- Hayball 1:50, 2018 Venice Bienalle- Hayball 1:50, 2018 Venice Bienalle- Hayball 1:50, 2018 Venice Bienalle- Hayball 1:50, 2018 We have several models currently circulating around Australia and Internationally. We take care to package and design models that are intelligently designed and robust enough to handle a life on the road. We make our models to a high degree of quality with longevity in mind. However in exhibitions, particularly traveling exhibitions, models can take a beating from the public and regular transportation. We've happily attended to any unfortunate accidents that can happen from time to time. Have a chat to us about the specifics of your exhibition so we can advise potential risks and assurances. We've had models exhibited in a variety of locations, including but not limited to: Museum Of Contemporary Art Australia, Venice Architecture Biennale, Melbourne Design Week, Australian Design Centre, Dubai Expo, Jam Factory Adelaide, Powerhouse Museum, Maritime Museum, Phillip Island Nature Park, Helsinki Kunsthalle and more. Each Architectural Model that we make is a bespoke outcome for our clients. As such there isn't a definitive price guide and we quote each project uniquely. Please get in touch by providing a 3D model or drawing set to find out how much a model for your job may cost. We welcome receiving budgets in advance to have open discussions about how your budget can deliver a great outcome. We work to varying time frames depending on the types of models we are asked to make. The specifics of lead times depend on the time of engagement, readiness of our clients to commence and the pre-existing commitments already on the books. Upon getting in touch with us for a quote we'll be able to advise the exact timing you can expect for your job. We work with Timbers, Acrylics, Cards, Plastics, Laminates, 3D Prints, Casts and Laminates and many other whacky materials you may not usually consider a model-making material.. We love evolving our style and experimenting with new materials so we welcome any novel requests for your desired model making outcomes. What we typically need for a quote is a 3D model extracted from your preferred CAD package. Please check our export guide here for more information about what preferred file type we'll need for quoting. If you don't have a 3D model then please send through a drawing set preferably in .DWG format or .PDF. As we always deliver bespoke outcomes, each quote needs a little bit of time invested in it to make sure we are pricing things accurately to your unique outcome. We also like to spend as much time making beautiful models as we can, as such, we recommend waiting 1-2 business days for a response to arrive from us. Sure thing, we understand that our website keeps things simple. We've made many many models over the years and as such we can't put everything online due to web-optimisation standards. However we ask you to check out our Instagram feed here which we regularly update and, if you haven't already, also take a look at our model guides which feature more content. You are always welcome to get in touch and we'll happily accept images of inspirations you may have to see how we may work with you. What We Do Architectural Competitions are a great way to output design excellence for the cities of our future. Typically, in these environments teams of architects compete in front of a selection jury for the best possible scheme for a given site. While ultimately, the final decision will be the result of many design factors, in these early stages ideas are still conceptual. Architectural models have a powerful ability to capture the essence of an idea, spirit of design and tectonic language to sway the communication of a design. A model has the potential to really stand out in a presentation as something noteworthy, memorable you can touch, look at and engage with. Our clients have informed us that our models convey an elegance, craftsmanship and attention to detail that is often a crucial aspect of a successful bid. Past winning projects include but aren't limited to, Green Square Aquatic Centre, Parramatta Aquatic Centre, 505 George St, Botanic gardens, Ian Potter Conservatory and many more. Download a Competition Model info pack to take to your next meeting here Download our export guide here Candalepus Associates and NGV 1:500, 2022 Spresser and Peter Besley 1:200, 2022 SHOP architects + BVN 1:500, 2019 Andrew Burges 1:500, 2014 Smart Design Studio 1:500, 2018 Andrew Burges + Grimshaw 1:500, 2018 Barangaroo Park 1:500, 2023 Smart Design Studio 1:500, 2019 As our team is entirely composed of ex-architects we know the stress of architectural competitions. It can be an all-hands on deck experience with lots of last minute design changes and a rush to get all deliverables out on time. While there is no hard and fast answer to this question, given our experience, we can assert that we are comfortable and pride ourselves on thriving in this environment. We provide honest feedback on what is and isn't feasible within given constraints but can always produce a high quality model for presentation day. We can work together to stage a model that can effectively commence elements that are ready to go and hold off on others that are still in development. A successful competition model delivery involves a team collaboration. In this sense we ensure we can stick to our internal targets and deadlines and as long as we both do, we are confident that a staged approach can lead to success. Yes. We find that certain elements take longer to produce than others.Casting, resin printing, metal casting, and metal folding can take longer due to the sourcing, testing and shelf life that occurs with those materials. However we have used all of those materials in competitions previously. With enough time anything is possible and with limited time, we can still achieve a great outcome together. We understand firms typically have a budget dedicated towards a competition bid. As such we can happily adhere to lower and upper limits with the competition team and be very transparent where we notice that certain decisions may pivot or swing the costs of the model. This March Make Models had the pleasure of hosting a Masterclass for the members of the Design Institute of Australia student council (DIA). Make Models were invited as part of the Masterclass Series which hosts a number of events each year for students to attend and feel connected and inspired by a wide variety of career opportunities with their developing design skills. As architects turned makers, Celeste Raanoja and Nikola Kovac hosted the event in the hopes of inspiring the art of making into the student community. Over the course of a 3 hour event, a lecture was given, alongside inductions in laser cutting, 3D printing and CNC milling with min demonstrations of each occurring throughout the event. The nights festivities were accompanied by wine, nibbles and lots of laughs as Celeste and Nikola encouraged students to put their new skills to work in a model making assembly challenge. Students were given a kit of parts out of acrylic, handed a tube of glue and other model making accessories and asked to assemble a miniature model of a building that doubles as a pen holder. Celeste and Nikola walked around teaching basic tips and tricks on gluing, clean joints, cleaning up joints and general craftsmanship. Fun was had all round despite the glue blobs and mess with most walking away with a sense of accomplishment and ease about how these skills could be applied to their semester's coursework in their respective institutions. Big shout out to the DIA and Sarah Gillespie for putting Make Models forward for the event! Make Models was commissioned by Top Spring to work alongside Bates Smart on the Marketing model for their unique site, Newlands,in St Leonards Sydney. The model is comprised of 5 low rise buildings which were each to be released at different stages. Image by Sebastian Photography The green spine, a major feature of the development links the 5 buildings in a dense and creative garden that overlooks the adjacent Newlands Park. The marketing model aimed to balance the natural elements of the site, with the architectural features through sculpted garden beds filled with a mix of natural and hand made foliage. The tone and texture variance of the gardens was an important consideration for our team. Image by Sebastian Photography Frosted acrylic massing were used to indicate the future stages. Image by Sebastian Photography The model was powered with individually operable interactive lights which were controlled with a touch interface controller so prospective buyers could see individual units of interest. This component of the model was led by the team at Display Sweet. Image by Sebastian Photography Model Scale: 1:100 Model Materials: Acrylic and timber What We Do Make Models produces a range of high quality DA models for development applications throughout Australia. With a 100% success rate in successful model lodgements, our high level of accuracy, detail and adherence to critical deadlines have helped many architects, developers and their clients achieve approvals from Australian councils. We have had our models accepted with most councils accepting submissions in Australia including but not limited to City of Sydney Council, Woollahra Council, Waverley Council, North Sydney Council, Inner West, Bayside Council, Randwick Council, Sutherland Council, Mosman Council ,Rockdale Council, Bankstown Council, Parramatta Council and others. Download a DA Model info pack to take to your next meeting here Download our export guide here Neeson Murcutt, City Of Sydney 1:500, 2021 John Wardle, City Of Sydney 1:500, 2022 Central Place Sydney, City Of Sydney Council 1:500, 2022 City Of Sydney Council 1:500, 2015 Collins And Turner, City Of Sydney Council 1:500, 2021 Smart Design Studio, City Of Sydney Council 1:500, 2021 TribeStudio, City Of Sydney Council 1:500, 2021 Orosi, City Of Sydney Council 1:500, 2021 Smith and Tzannes, Woollahra Council 1:200, 2020 Bruce Stafford, Woollahra Council 1:200, 2020 PTW, , City Of Sydney Council 1:500, 2024 Candalepus- City Of Sydney Council 1:500, 2022 City Of Sydney Council 1:500, 2022 Smart Design Studio 1:500, 2021 We have had 100% success rate of model acceptance with all councils accepting submissions in Australia including but not limited to City of Sydney Council, Woollahra Council, Waverley Council, North Sydney Council, Inner West, Bayside Council, Randwick Council, Sutherland Council, Mosman Council ,Rockdale Council, Bankstown Council, Parramatta Council and others. The more information you provide, the faster and more accurate our price estimate can be for you and your clients. Typically the best will be an export of a 3D model if working any CAD packages. Alternatively a drawing set in DWG and PDF format can also assist, but please let us know if you are or aren't supplying a 3D model to build from as the process is a little different. For a price, please get in touch with the above information so that we can accurately supply a cost. As each model is a bespoke construction we like to offer a custom pricing for you and your clients. Typically a DA model can take anywhere between 1-2 weeks or 2-3 weeks depending on factors including the nature of the design, scale of the build and the lead time stipulated with your quote request. We don't recommend starting until a design freeze/approval has taken place to avoid unforeseen costs in potentially remaking elements. We understand that deadline pressure may insist on starting or that sometimes things do change. Ways to avoid excess charges would be to section out what areas of the design will and won't change so that we can accommodate for information to arrive later. We find that most councils accept an all-white aesthetic where the base, landscape, context buildings and proposed buildings are all white (with the exception of City Of Sydney DA submissions). We offer both timber and plastic topography / bases which can both be painted white or grey depending on the DA requirements. Landscape and foliage can be natural or man made depending on the desired aesthetic and also can be painted to a particular tone and colour. Display lids are clear to allow for easy viewing and our plaques can be custom and unique to your studio styling if preffered. 3D model in Rhinoceros (.3DM) / Sketchup Saved as Backwards compatible version 5 (.SKP) / 3D Studio Max (.3DS) / Microstation (.DGN) / Autocad saved as backwards compatible version 2007 (.DWG) / Revit export as .DWG (ACIS Solids checked to yes). Preferences for materials if you have any. Information about the site and buildings should be in the 3D model or drawings. A mark up of model extents and required scale. A quick sketch over a plan to show us where you want the boundary of your model and whats included inside. What date you need to recieve the model? Landscape and vegetation drawings or sketch or description of required foliage. Model scale (eg. 1:500 or 1:200) 3D CAD file or drawing package (please remove all interior furnishings & vegetation on 3D model). Model extents. Please include a drawing indicating the boundary of the model that you need including any context buildings. Information about the landscape and amount of foliage details required. Required delivery date for the model. Pace 3058 Coburg's vibrant project was the launch of affordable apartments immersed in the lively communities of Coburg in Victoria. The buildings, designed by the architects at SJB utilised vertical blades, brick podiums and large brick archways as well as curved glass elements to create a unique blend of contemporary architecture that nods to the context that surrounds it. The physical model was made for the marketing campaign launch to sit central in the display suite in Coburg. The model was of the two proposed buildings which each had a unique and distinct materiality to be replicated at 1:100 scale. Make Models worked collaboratively with SJB and PACE through a series of samples, tests and colour swatches to find the right fit and technique to capture the vast material palette at 1:100 scale. Marketing Model Timber, CNC Milling, Acrylic Display Suite New Parramatta Pool Competition, 2018, 1:500 This competition model for the new Parramatta Aquatic Leisure Centre was part of a winning competition entry by Andrew Burges, Grimshaw and McGregor Coxall. The challenge of the model was conveying the above ground, below ground and interior experience of a multi-programmed facility. The team decided to use solid timber to create a model that appears to be fully integrated in the surrounding context. By carving out the timber site and milling additions, the team was able to create an interactive experience for the jury. Removing layers of seemingly solid wood to reveal the magic of the spaces within. Competition Model, Winning Entry Timber, CNC Milling, Acrylic Make Models had the privilege of producing the marketing model for, not only one of the most ambitious projects by Beulah, but one of the most ambitious marketing launches in Australia. The buildings designed by UN Studio and Cox Architecture are set to be the tallest tower sky gardens in Australia and would come equipped with the amenity of an art gallery, theatre and high-end retail and restaurant precinct. The physical model had the challenge of conveying all of this at 1:200 scale across two towers, whilst also collaborating with the talented team at A Customs The lighting component consisted of collaboration between teams in Sydney and Melbourne, as a bespoke lighting system designed and fabricated by A Customs was installed along the 'green spine' of the model. An interior lighting core with highly luminescent RGB lights was installed to allow for detailed pixel art programming via an iPad. This model was used as a centrepiece to the sales suite and part of a presentation offered to customers considering an apartment purchase. Photography: Make Models Marketing Model Display Suite Lighting Sydney Modern Shop, 2023, 1:50 Make Models were asked to create an interpretation of the Gallery Shop within the Art Gallery of NSW's Sydney Modern building. Our journey began with understanding this remarkable space, by visiting it in person. The shop, an immersive and colourful first-of-its-kind large-scale resin installation, was designed by Akin Atelier in collaboration with surfboard designer Hayden Cox. To encapsulate the essence of the original design, we started with traditional casting techniques for the base, imbuing the model with authentic mass and weight and mirroring the unique floor finish in SAANA's building design. Pigments were used in the cast base to attempt to colour match the real-world building design. To echo the luminous bio-resin installation, we used a clear resin that was then painted with colour-matched tones striving to recreate the original object's dynamic light play. The gallery shop's display elements were treated with a metallic finish, resonating with their real-world texture. The open roof layout offered a bird's-eye view of the layout of the shop relative to the facade of the building, to help recreate the interplay of natural light and shop elements that are experienced in the building. A unique feature that was not entirely necessary but was entirely fun, was to embed magnets into the concrete cast of the model. This concealed a glue-free joint system allowing for the shop elements to seamlessly attach and detach, enhancing the interactive experience and providing a satisfying 'click' in the process. Presentation Model Resin Model Concrete Cast Developers: Formspace Photography: Make Models Marketing Model Display Suite Lighting Mulpha, Norwest Quarter, 1:100 Marketing Model Interactive Lighting Acrylic, Timber, 3D Print A 1:500 competition model for a tower in Sydney, the model had the challenge of conveying detailed architectural language and facade patterning at a very small scale. The model had to be a removable component within an existing council model for a competition jury to judge. It was crafted with stacked acrylics, varying clear and white acrylics as well as styrene facade elements. It sat on a solid routed timber base which created a sense of material warmth to a large proposal. Greenery was speckled throughout the model to showcase the sky gardens throughout the tower's design. Competition Model Acrylic, Timber, 3D Print, Laser cutting, CNC milling Kardinia Park, 2023, 1:150 Make Models were invited to model a 1:150 scale representation of Populous's Kardinia Park Stage 5 project for the revitalisation of the home of the Geelong Football Club. This miniature model aimed to encapsulate the essence of what will be Australia's premier regional stadium, designed to accommodate over 40,000 spectators. Created as the focal point for the Populous design studio, the model offers an immersive experience. The details of structure, seating, PTFE panels and spectator booths tried to show the model capturing both the athlete's arena and the fan's perspectives. . Presentation Model Timber monochromatic Venice Biennale, 2017 Scale Models of Carlton Connect, South Melbourne Primary School, Richmond, Trinity, Victoria Pride Centre A collaborative series of models made in Sydney, in collaboration with Melbourne-based practices Hayball Architecture and Openworks/Muir for the 2018 Venice Architecture Biennale. These models were representations of recent works by the Victorian designers, focusing on transparency, translucency, colour and timber to convey key architectural design concepts through abstract means. The models were on exhibition in Venice alongside the architect's orthographic and visualization panels for the duration of the 2018 Architecture Biennale. Exhibition Model Acrylic, Timber, Coloured Model, Laser cutting City of Port Adelaide Enfield with Ashley Halliday Architects, Wax Design and the Yitpi Yartapuultiku Custodian Group , 1:200. Celebrating indigenous culture and land through landscape, ecology, and architecture, the building and landscape together offer indoor and outdoor performance venues. The facade and roof, adorned with a rustic red hue and constructed from weathered spotted gum, envelop the inner spaces. In the model, the roof was removable, revealing the interior performance spaces and amenities with materials that echoes the building design. Floor tones and laser etchings conveyed specific materials and unique ground art considered for the project. The two internal volumes diverge to form the 'joining space,' where the lights of the seven sisters are depicted in the roof, providing a sheltered area with views of the surrounding hillsides and rivers. In the architectural model, textures and colors were thoughtfully employed to emphasize the diverse trails, narratives, and local cultural elements embedded within the design. Employing a place-centric co-design process involving dialogue and modeling with kinetic sand, the design team enabled custodian groups to shape the site with their own hands. This unique model-making approach resulted in an undulating, textural topography, aimed at fostering further storytelling opportunities. Describing the shoreline as dynamic and alive, the team requested the model convey the profound significance of the connection to water, particularly as the coastal edge converges with the tides within the joining space. Within the model, this shifting tide and shoreline are suggested through a softly textured array of recycled timber shavings that create an edgeless quality that extends and disappears beneath the water, symbolized by reflective, frosted acrylic. Sculptures and cultural references were modeled and colored to shine through in the landscape, these tiny objects marked key locations in the landscape design where contours shifted to carve out meeting spaces. Presentation Model Acrylic CNC Milling Timber Lune De Sang, 2014, 1:100 The Lune de Sang Pavilion model aimed to reflect the client's desire to pronounce the architecture's relationship within the existing landscape. Curved sculptural retaining walls were made by precise milling from a laminated solid timber block. These revealed the natural grain of the timber in elevation and reaffirmed this key concept of the architecture. Hand modeled interiors and furniture inhabited the interior to give it scale and life. Structural details and roof designs were expressed utilizing laser cutting and hand crafted model making techniques. Presentation Model Timber Fitzroy, 2023, 1:100 1:100 scale architectural model for PACE Development Group, designed by the team at SJB. This model represents the design's tribute to Fitzroy's industrial heritage. This model utilized a mix of techniques including CNC milled facades, laser rastered facade panels and colour matching to capture the essence and vibrancy of the new design and the restored heritage Gore St facade below. Marketing Model Acrylic Timber Ode Double Bay, 2022, 1:75 Make Models was commissioned to produce a marketing model for the launch of sales suite for Ode Double Bay by Topspring. Being an intimate project, of 15 spacious residences and penthouses, the team wanted to capture the details of the architecture by renowned Australian architect Luigi Rosselli at a large scale of 1:50. This would allow prospective purchasers a greater vantage point with which to peer in and around the model's details. Being in the heart of the Eastern Suburb of Double Bay, the ground floor was populated with the proposed cafe amenities to be included in the architecture and give a sense of the unique lifestyle that the area has to offer. Landscaping by Black Beetle landscape design was remodelled and the model was illuminated with warm lighting, powered by interfaces provided by Display Sweet. Photography: Make Models & Sebastian Photography (images 1 and 3) Marketing Model Timber, CNC Milling, Acrylic Display Suite Phoenix Gallery, 2016, 1:20 This process model for Durbach Block Jaggers was one of a series of prototypes for a multi-use performance space as part of the Phoenix Gallery in association with John Wardle Architects. At a scale of 1:20 the model acted as a vista for the experience of the proposed architecture, allowing the designers to literally get their heads inside the vaulted design and experience the curvature of the interior atrium. The plywood version involved multiple laminates of plywood, which were then CNC milled separately and glued back together to create the multitude of curved experiences in the building. A plaster and foam version was also made, allowing easy reassembly and disassembly with which the architects could test the color finishes of the concave architecture. Presentation Model Plywood, Timber, CNC Mandaue Site, 2014, 1:1000 Make models was commissioned to produce a travel model that served to assist the team and client in understanding the project site and its immediate context and topography. The model dimensions are designed to neatly fit within an A3 sized sheet for the purpose of portability, working in conjunction with sketches over the working table. CNC milled timber was adopted to pick up the subtle changes in the topography at the scale of 1:5000. In contrast white acrylic blocks were chosen to clearly indicate the existing building's mass and scale. A removable semitransparent acrylic sheet was installed to articulate the project site and can be replaced for new iterations as the design develops. Presentation Model Acrylic, Timber 8 Phillip St, 2017, 1:250 and 1:1000 The marketing model for Phillip St by Woods Bagot , Coronation property and Frost Collective consisted of a 1:1000 scale table top and a 1:250 display model. The design asked for a large CNC milled table to carve out a map of the Parramatta Precinct. This was to act as a base for a projected animation which sat above highlighting key amenity in the area for prospective purchasers. The interactive display assisted the public in communicating how the design related to the greater neighbourhood and greater Sydney region. The model of the tower designed by Woods Bagot showed the detail of the building design up-close focusing on golden facade elements, soffits and heritage relationships to Parramatta's historic architecture. The model proved to be a pivotal asset to the sales campaign which sold out with $110 million achieved in the first few hours of sale. Marketing Model, Projection Mapping Timber, Plywood, Acrylic, CNC, Laser cutting Waterloo Youth Centre, 2017, 1:100 This exhibition model was commissioned by the Jam Factory curatorial team for a traveling exhibition on Steel moving from state to state within Australia. The model of the design by Collins and Turner was a representation of their award winning Sydney project, The Waterloo Youth Centre. The design was a complex roof structure of a series of steel beams with center programming underneath. Make Models collaborated with local metal artist to help craft the complex network of silver piping using traditional jewellery techniques. The end result was part model part artwork. Project Services: Exhibition Model Plaster, CNC, Brass, Soldering. Arthur Phillip, 2020, 1:200 This exhibition model was part of a traveling display of Grimshaw's designs locally and internationally. Their highly profiled Arthur Phillip High School model was split into a section slice in this physical model, which could open and close to reveal the internal volumes within. A key principle of the design was year groups divided by the architecture with 'iHub' learning spaces signified by colors and volumes. The section allowed the viewer to fully appreciate the design of the learning levels as they relate to facade, and classroom and public spaces, working their way up the building. Competition Model Acrylic, Timber, 3D Print Terry Road, 2018, 1:200 A unique display sweet by Denvell mixed the traditional development sales suite with a new cafe fore the precinct. The architectural model took center stage towards the entrance of the cafe where prospective buyers or neighborhood visitors could gaze upon the model. The model mirrored the aesthetic of the display suite with an all white architectural geometry, that glowed from within, that was surrounded by strong green presence to amplify the theme of the gardens of Babylon. By promoting a strong social presence with the mix of cafe and sales-suite, it aided the developers to promote the brand of their development and generate more buzz and awareness among prospective buyers Marketing Model CNC, laser cutting, 3D Printing Melbourne Arts Precinct, 2018, 1:500 Currently the Arts Precinct in Melbourne is undergoing updated design considerations with the proposed addition of the new Sturt Street public realm and parkway, as well as the design of new art institutions within the arts precinct. This physical model was created to allow design teams to realise both current and future proposals within the design process. The current configuration is removable, allowing parts of the model to be removed so that future design iterations can be put forward in their place, to educate the public over time of the changing face of their city. Marketing Model, Presentation Model CNC, laser cutting, 3D Printing Rix Road, 2020, 1:50 The model for Cohen Leigh's Rix Road early learning centre was an opportunity to display the tonal finishes in an upcoming project for Cardinia Shire Council in Victoria. Colourbond elements with green powder coated finishes were represented through a mix of paints, timbers, and novel materials such as sound insulation board. Hand stitched fabric complimented miniature American oak furniture to give life to the spaces within. The model sat on a concave non rectilinear base to reinforce the vaulted expression of the architecture. Presentation Model Timber, Acrylic Rawson Road, 2019, 1:200 Monochrome in it's materiality, the purpose of this model was to seek residential development approval through Woollahra Council. Though many council DA models have different requirements, this one asked for an all-white aesthetic to blend the existing context with the proposed development to aid in public viewing and commenting as part of the development process. The Greenery softened any additions to highlight how the shrubbery would add to the neighboring streetscape and provide screening and privacy. DA Model, Woollahra Council Acrylic, Timber, 3D Print, Laser cutting Penguin Parade, 2018, 1:100 A hand-crafted exhibition model using recycled wood elements, this model served two lives, as a public display piece as well as one that lived in the on-site construction offices during the build of the new Penguin Parade Visitors Centre. The building design by Terroir had a complex relationship between triangular geometry meeting at points on differing angles. The model making team had to use precise hand sanding techniques to get edges to meet perfectly and used various Australian hardwood shavings to represent the complicated landscape design on this conservation site. Presentation Model, Exhibition Model Timber, Acrylic, Wood Shavings Parramatta Mission, 2021, 1:100 CHROFI's bid for green square required a model that could convey the relationship of aquatic spaces through a multitude of levels. The experiential model started with a timber top which signified the subtlety of their proposal in keeping the vastness of a green field, it was then removed to showcase the layer below, a series of swimming pools and athletic facilities as well as back of house services. This second layer was also removable to show more spaces below. The model therefore served as a choreographed experience of the architecture.With the closest green space quite far by foot native planting was to be visible through the street with the building acting as a conservatory, with communal spaces for the mission on the ground floor. Hand made solid timber components were cut, sanded and glued to reflect the solid timber structure which would be celebrated in the proposed architecture. Clear acrylic glazing with thin acrylic louvers was used to represent the glazed roof and hand crafted trees were placed throughout the model to showcase the idea of the building as a conservatory. 3D printed furniture and people were placed in the ground floor and roof spaces to reflect the communal aspects of the mission to show how it might function as a populated space. The iconic church, which sits alongside the mission building, was made in solid timber to aid in conveying the idea of the building sitting in harmony with the rest of the square. Presentation model Timber, Acrylic Atlassian Tower, 2019, 1:500 This competition model was part of Australia's BVN and New York based Shop Architects winning proposal for the new Atlassian headquarters in Central Sydney. At 1:500 scale, the model had the challenge of conveying a diagrid structural system, cross laminated timber beams and facade patterning at a very small scale. The model also needed to be a removable component within an existing council model for a competition jury to judge. It was crafted with stacked acrylics, CNC milled timber to represent the cross laminated timber and varying clear and white acrylics and 3D printed components. Greenery was speckled throughout the model to showcase the sky gardens throughout the tower's design. Competition Model, Winning Timber, Resin, Acrylic, CNC, 3D printing Cottesloe Beach Pavilion, 2019, 1:500 This 1:500 competition model for Neeson Murcutt and Neille with Simon Pendal Architect and Sue Barnsley Design aimed to convey their overarching design concept of spaces designed to appear as if they are carved out of solid rock. Inspired by the limestone formations to the beachfront, the model responded to these cues by opting for a hand made solid timber form sat on a solid timber base to embody the idea of architecture coming from the natural beach rock-forms. Epping Road, 2018, 1:200 Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum. Competition Model Acrylic, Timber, 3D Print City Of Sydney Da Submissions call for either a building or a building and site model. These models are expected to be extremely accurate of the proposed design with details down to the mm. This 1-500 model for Tribe Studio the proposed building, printed to RL,0. The proposed slots perfectly into the context model and is easily removable for review at council. DA Model Acrylic, 3D print Development Application City of Sydney St Kilda, 2018, 1:100 This 1:100 curved marketing model was designed to sit in a display suite for prospective buyers in St. Kilda Melbourne. The design by KPDO was for a tower of 252 apartments and amenities. The finishes of the architecture were all-white, which the model reflected. However it was brought to life through illuminating a central lighting core. The lighting allowed for dusk and sunset colours to permeate throughout the floors of the model and aligned with the colour scheme of the display suite surrounds. Sales Technology: Display Sweet Marketing Model Acrylic, CNC, Digital Model, Model Making Wentworth Point, 2017, 1:500 A master plan model used in the development stages of construction to explain to visitors the change this precinct within Olympic Park would undergo over time. The model mixed solid frosted acrylic masses with conceptual timber masses to indicate height and development changes. The model was designed to be modular such that elements could be easily replaced and updated over time as new site designs became resolved. Marketing Model Acrylic, CNC, Digital Model, Model Making Macquarie University Health , 2018, 1:500 This model for Architectus operated in two scales, that at the scale of the campus and that at the scale of the building itself. A timber context model with massed forms surrounded the proposed architecture to position the work in the scale of the campus precinct. The proposed building mixed acrylic facade expressions, light and dark woods including mahogany and painted metallic structures to express the architectural elements of the design. Presentation Model Timber, Acrylic Ophthalmic Gene Therapy Centre, 2017, 1:150 This presentation model intended to show the architectural ideas of merging old and new. The old was represented by the casting of an existing concrete structure and oxide to create a textural tone of degradation. The new was represented with a metallic roof element which appears to rise out of the old. These were positioned on a timber base and blended with frosted acrylics with silhouetted interiors to allow the team to get a sense of the internal life within the building. Presentation Model, Marketing Model Materials Timber, Brass 338 Pitt Street , 2018, 1:500 This competition model for a tower in Sydney targeted two key areas for communication; mass and facade. Mass was represented using a rich mahogany wood, to stand out from a context model provided by the competition jury that was in an all-grey monotone. The red timber articulated the form of the architecture while the facade was represented with solid acrylic. This intricate system was explained through detailed drawings for the competition jury and the model was used as a tool to showcase the facade expression within the context of the city. Competition Model Mahogany, Acrylic Container, 2017, 1:100 + 1:50 This project was a series of exhibition models for the National Maritime Museum's traveling exhibition, "Container – The Box that Changed the World." The all-white models made in Timber and various acrylics showcased international design responses to the use of shipping containers as architectural design elements. Architects represented in the model series included Bjarke Ingels Group, Lot-Ek and Whitaker Studio. The models were of consistent size and accompanied drawings in one of six shipping containers for public display outside Sydney's Darling Harbour. The traveling exhibition is still currently on going and will continue traveling throughout Australia. Exhibition Model Timber, Acrylic Melrose Park Interactive Marketing Model, 2019, 1:1000 An abstract interactive master plan for the Melrose Park development in Sydney. The model was designed to sit on sixteen 55" television displays to be operated by a touchscreen controller interface. The model in frosted acrylic was perfectly paired with animations that sat underneath that would respond to the users touch to pinpoint amenities and buildings in a vast development precinct. Competition Model Mahogany, Acrylic, Timber Green Square Competition, 2017, 1:500 This winning competition model for the Green Square precinct within Sydney focused on form and massing as it's key features. Opting for a solid timber look with minimal expression of facade details, this model conveyed a beautiful representation of the architectural elements that won over the selection panel. The model mixed the structural expression of architectural elements with the complicated curvature of a towered form to create a sculptural element worthy of attention. Competition Model, Awarded Solid Wood, CNC, hand crafted Facade Prototype, 2017, Undisclosed. Tzannes commissioned a 1:100 massing model in CNC milled foam. The model was split into several parts due to it's size then laminated back together. The massing model tested the formal geometry of the proposal at a scale with which the viewer could interact with the object itself. The white nature of the foam massing allowed for an easier definition of shadows which articulated the facade. Presentation model Foam & CNC Western Sydney Stadium, 2018, 1:500 Western Sydney recently received a wonderful new stadium thanks to the brilliant expertise of Populous. This model was created for the design team in anticipation for construction to commence and finish. It used plastic for the detailed structural elements and modelled all the rows of seating within the stadium to give a viewer a real sense of occupation in the soon-to-be-completed stadium. There were multiple vantage points through which an observer could poke their eye through to enter the miniautreversion of the stadium. Presentation model, Stadium Timber, 2017, 1:500 Tonkin Zulaikha Greer's competition entry for the Southern Highlands Botanical gardens was described by the jury as "a romantic and striking building" which proposed a "curated series of layered visitor journeys." The building's design of curved stone walls, with timber ceilings was represented by mixed tone timbers. This competition used solid American Walnut to stand out from the context and intricate CNC milling to the topography to define landscape spaces of the proposal. Wollstonecraft, 2019, 1:200 Completed for a Design excellence Panel meeting and DA submission, thismonochromatic model elegantly showed the design details of the proposalincluding delicate louvers and curved window details. The internal circulation was clearly visible through the main building mass. The model helped the team explain the design response to the existing context, including the proposed site and adjacent properties. DA model 3D printing, Digital Modelling, Development Application Sydney Green Square Aquatic Centre, 2014, 1:500 CHROFI's bid for green square required a model that could convey the relationship of aquatic spaces through a multitude of levels. The experiential model started with a timber top which signified the subtlety of their proposal in keeping the vastness of a green field, it was then removed to showcase the layer below, a series of swimming pools and athletic facilities as well as back of house services. This second layer was also removable to show more spaces below. The model therefore served as a choreographed experience of the architecture. Presentation model Timber, Acrylic Kiama Farmhouse, 2020, 1:200 These timber architectural presentation models for the Kiama Farmhouse by Polly Harbison Design represent a meeting of architecture and landscape. The brief for the model was to create two different timber presentation models for the same site. The two timber models reflected different site positioning the architect created in response to the brief. The models tried to show a blend between the natural and the man-made, which was evidenced in the architect's design response. The farmhouse would nestle in a hill behind thick walls of local stone. Solid European beechwood was used for the base and building, which when milled, cascaded down to showcase the potential view of the ocean. Presentation Model Timber Wood Hassell and So-Il's response to the brief for the Adelaide Contemporary Art Gallery competition showed a sensitivity to light and porosity. The physical model was used as a tool to highlight the effects of a mesh facade interacting with the multipurpose gallery spaces within. A uniform palette of the building in all-white, emphasised the effects of dappling natural light landing within the scheme, which drew from the team's inspiration of light interactions found within nature. This was done by literally opening up the model in two halves to create a powerful reveal of the section slices of the building within and the greenery surrounding it. Competition Model Timber, Acrylic, Nylon, Fabric A model designed to recreate Smart Design's iconic Indigo Slam for a traveling presentation for the Jam Factory's exhibition on Concrete. The model of this private residence showed a side not accessible to the public. The elevation of the model allowed visitors a viewing point into the architecture, showcasing the effect of the light play coming from the iconic facade. The recognizable curvature and form of the design was captured accurately using flexible birch-wood. The use of this timber created a crisp uniformity to the model's palette to reflect the simplicity of the material mastery of concrete that we can see in the built work today. Exhibition Model Plywood, Timber, Plastic A Southern Site, 2017, 1:1000 & 1:100 Make Models was commissioned by Candalepas Associates to produce a series of sculptural models for a proposed rural clock tower. The models were to invoke a sense of tranquil beauty that played to the themes of the countryside site. Solid mahogany was used to form the landscape and the design was surrounded by a solid timber frame. Acrylic inserts were placed in CNC milled cavities in the design to highlight major waterways. An elegant, solid cast brass totem was used to model the top of the clock tower with it's vaulted forms. Presentation Model Timber, Brass 23 Condos in California, 2019, 1:350 This presentation model for Eoaghan Lewis Architects was subtle yet powerful in the story it conveyed. The scheme was one of preservation and inspiration. 24 historic cottages by a coastal beach site in California were proposed to be kept and used as a contextual force in the design of condominums which were positioned to the rear. The model's use of a timber aesthetic blends these contextual forces together to communicate this story in a clear and concise fashion whilst also appealing to the pitched roof iconography of the proposal. Presentation Model Timber New Beach Rd Darling Point, 2018, 1:200 Polly Harbison opted for a handmade timber DA model of her beautiful design for a building in darling point. The all timber experience used the hand-cut timber fins to let light into the model so the clients could literally experience the effects of natural lighting in the built architecture. CNC routing was used on the base to carve out key moments in the landscape design which was peppered with light foliage and unified the aesthetic of the model. DA Model, Presentation Model Timber, Laser cutting, O'Dea Avenue, 2018, 1:150 The Mastery by Crown physical model was a series of buildings at 1:150 scale to showcase the new precinct to be developed by Crown Group as part of their Mastery Precinct in Green Square Sydney. The building designs represented were by Koichi Takada Architects, Silvester Fuller and Kengo Kuma. Each building had interactive apartment lighting for sales purposes and the model was built on a Koichi-Takada Designed plinth which integrated lighting to become a portable asset for the team as it was used at a launch event in Sydney's Hordern Pavilion as well as the sales showroom at a later date. Sales Technology: Display Sweet Marketing Model Timber, Model Making UTS Architecture Faculty, 2014, 1:500 The TGL model needed to convey the new artery that connects the ultimo district to darling quarter. A CNC routed topography in white foam works with hand-modelled, white foam buildings. Overall the length of the model covered a good mix of new additions to the urban fabric that showcased the variety of geometry and complexity in the area. This included the highly anticipated Frank Gehry design, the Dr Chau Chak Wing, Ian Thorpe Aquatic Center by Harry Siedler. In total, the model spanned 2.4m, easily segmented into parts for transportation. Presentation Model CNC, Foam, Model Making Sydney University Health Precinct, 2017, 1:100 & 1:1000 Two models for a health precinct captured in two different scales. The first model measured no larger than an A4. It was lightweight, portable and made from solid mixed timbers with incorporated lighting at a scale of 1:1000. Solid balls of timber were used as trees, incorporated into the model and aided in the blending of the scheme within the context. A 1:100 sectional model accompanied it, showing the team's thought process from the scale of the precinct down to the detail scale of the facade system. MRC, 2019, 1:500 Earthy tones on plywood and acrylic make up the bones of this exhibition model for the Melbourne Racing Club by Hassel. The design was represented using a mix of laser-cutting, handmade woodworking as well as 3D printing to portray this updated design and blend of old and new in an iconic Victorian site. The team utilized browns and creams to convey the race course and different programmatic requirements of stables, warm-up fields and the race course itself. Presentation Model CNC, Coloured, Timber, Acrylic The Fabric, 2019, 1:1000 This interactive masterplan model for Mirvac was positioned on a 65″ television display. Interactive programming was used on a touch screen interface to illuminate graphics on the television display. When pressed, this would illuminate different acrylic building extrusions. The forms would highlight various properties, amenities, schools, and playgrounds to help users understand the proposal in an interactive way. Miniature trees were placed throughout the model to give the model scale and a multidimensional nature. Sales Technology: Display Sweet Marketing Model CNC, Acrylic Commonwealth Bank, 2015, 1:100 A model commissioned by Woods Bagot for the purposes of a presentation of a newly completed building in Darling Harbour Sydney. The physical objected blended solid American Oak, Basswood, Solid Brass and Acrylic to show the interiors of a new building for the precinct. One of the key requirements of the model was being able to open it up for discussion to show the atrium which was a cornerstone of the team's design. Presentation Model Timber, Brass, Acrylic MAAS, Powerhouse, 2019, 1:1000, 1:50, 1:500 – Competition Model Acrylic, Timber, 3D Print Ian Potter National Gallery, 2016, 1:200 This physical model was part of the winning entry for Chrofi's proposal for the Ian Potter National Gallery design competition. Solid timber mahogany was used for the majority of the model to draw attention to the contrast of the natural topography and the massive cubic form that appears to hover overhead. Routed passages surrounded the frosted resin box to show the changing levels with which the design team responded to the brief. A forest of natural trees were peppered throughout to convey the botanical garden in which the simple beauty of the architects design could stand out. Competition Model Acrylic, Timber, 3D Print Adelaide Festival Club, Adelaide Pavilion, 2020, 1:500 Designed as a temporary pavilion to home various events in the heart of Adelaide over the next several years. The structure draws from the neighbouring Elder Park Rotunda. The circular form was constructed using resin which was frosted to represent the curtain like skin that in reality, comes alive at dusk with projections and lighting techniques. A solid timber base was carved for CO-AP well before the design was finalised so that the team could test various iterations of the pavilion before locking in the final design which we then moulded and fit to the existing base. The large context buildings located on each side of the model were made with removable slots to allow the audience to experience the design from all angles both with and without the existing site obstructions. Natural model trees were used to softly blend the solid wood base to the translucent structure. Architects: CO-AP Competition Model Acrylic, Timber, 3D Print 1:100 marketing model of @luigirosselliarchitects Giardino in Bellevue Hill with Formspace and @1stcity.projects Make Models was commissioned to prepare a 1:100 marketing model with realistic materiality to showcase a new project in Sydney's Eastern Suburbs. The building designed by Luigi Rosselli Architects encapsulates his distinct sculptural style of flowing curvature. Make models engaged thoroughly with the development team, Formspace, as well as the architects with scale prototypes and material tests to capture the material palette of the architecture. Labeled as Giardino, the gardens and greenspace of the residences was a key feature for the marketing and sales team. Make Models thoroughly examined the landscape design, designed by Dangar Barin Smith Landscape design to reproduce at scale what would be proposed in the lush greenery of the real building. Model Materials: Acrylic and timber link You bet! Email us from your .edu email account and you'll get 10% off your fabrication costs (discounts don't apply to materials). Yes, we can offer disocunts on bulk orders, get in touch with your specific order to find out more. We also provide a 10% discount on laser costs for jobs that have 4 or more of the same materials in the overal job. The materials we can work with include: Paper Card Boxboard Screenboard Corrugated Card Plywood (Poplar and Basswood) MDF (only large shapes and minimal cutting area) Solid Basswood Acrylic / Perspex (Clear, Frosted and Coloured) The materials we cannot work with include: Metals Vinyl / PVC Foam / Polystyrene Foamcore The 2D sheet materials we can mill include: Plywood Acrylic / Perspex The 3D block materials we can mill include: High Density Foam Blue Foam Jelutong Walnut Mahogany Tooling Board Other medium to soft woods The materials we cannot mill include: Aluminium Dense Metals Stone Corrian Hard woods The materials we can print in include: PLA – White Plastic (FDM) Resin – White/Clear (SLA) We welcome other material. However the team needs to determine the safety and validity of the materials provided. Please let us know in advance for us to organise. Certain materials are either hazardous to our health or the health of our machines. Make Workshop reserves the right to decline requests with mexternal materials which are not suitable. An internal cut is a cut that is cut first, eg the centre of a donut. An external cut is a cut that is the outside of the donut. A score is a light engraving of the surface that does not cut through. A raster is a filled region seared by the laser in tiny incremenets. Fused Deposition Modelling (FDM) is an additive manufacturing process when material is added in layers through a heated extruder. Selective Laser Sintering (SLA) uses an additive resin hat is heated by a laser to form a solid. The cost depends on a few factors: what materials you use and how much, the complexity of the job (i.e. how much time it will take) as well as any associated labour costs. To give an exact price we need a file supplied in one of the templates we provide on our website. For ballpark figures please see below: Laser cutting is priced at $1.00 per minute. We calculate the time based on the amount of curves and the associated time taken to cut each material. For eg; 2mm acrylic is faster (and thus cheaper) than 6mm acrylic. 3D printing is based on material used and quality required with a set up fee, equating approximately to 20 cents per cubic centimeter (cm3). CNC is charged at $135.00 per hour with a $40.00+ GST set up fee 3D modelling services are charged at $80.00+ GST per hour. For laser cutting, we offer same day pick up service, or 1-2 day delivery service. For CNC milling, turn around time is generally 3-5 days providing we have the material in stock. For 3D Printing depending on what method you selected it can take between 1-5 business days. We accept direct bank transfer, or credit card payments (2.9% surcharge for credit cards). Keep in mind we require the payment to be made before preceeding with your job, so a direct bank tranfer method may take a bit longer than the other methods. In this case you should send us proof of the payment so that we can get started cutting your job! We request you shoot us an email or call us first to make an appointment. We are a small team of makers and generally have a lot of jobs going on at once so things can get quite busy in our workspace. Please give us a heads-up so we can ensure that we have time and can attend to what you need. Our laser cutters have a bed size of 1200 mm by 900 mm. Our FDM 3D printers have a build volume of 223 mm by 223 mm by 205 mm. The SLA 3D printer has a build volume of 250 mm by 150 mm by 205 mm. Our CNC milling machine has a bed size of 1200 mm by 1200 mm. While we predominantly work in Rhino we accept all major filetypes: .3dm .ai .pdf .stl .dxf etc. All requests for jobs must be made before 11am to ensure same day service. All orders must have payments processed prior to 12pm to ensure same day service. Make Workshop ensures the completion of work by 11.59pm of the same day. Should clients fail to pickup their work on the same day within the specified time, pickup will be scheduled for the next business day. Sometimes mistakes do happen. Make Workshop will accept returns on any unfortunate mistakes that may happen as a result of our operations. We also offer recutting and in some cases, redelivery if something doesnt look quiet right for you! Material tolerances, we buy our material in bulk from the manufacturers and no two sheets are the same. When laser cutting acrylic, it is prone to melting and warping because of the heat generated, so you can space out your cuts to not overheat any one particular area (use the cut 1 and cut 2 layers). We tend to account for 0.3mm being removed with each cut line. For CNC milling, the tool thicness varies from 6mm to 15mm, if you are planning on having notches in your CNC job, its best to use mickey mouse ears or leave and extra 0.6mm +. For larger jobs, we recommend getting in touch with us to have a sample done. When 3D printing, we don't recommend cutting anything under 1.5mm. Allow for a similar 0.5 mm tollerances when prints need to slot together easily. Positioned to become Sydney's premier tech hub, the CPS precinct's architectural marvels are the brainchild of renowned firms such as Fender Katsalidis, SOM Skidmore, Owings & Merrill, and Edition Office from Melbourne. Emphasizing sustainability, the twin office towers feature eco-friendly facades and vibrant rooftop communal spaces, placing occupants at the heart of Sydney's vibrant neighborhoods and amenities. Fender Katsalidis, in collaboration with Brand Agency MotiffMotiff, crafted the display suite, embodying the precinct's ethos of lifestyle, sustainability, and community. The physical model, a testament to these values, was meticulously crafted using solid wood and recyclable, locally sourced materials, with 30% sourced from offcuts of other projects to minimize waste. Custom-built by Make Models, the model's plinth facilitates easy assembly and disassembly through a flat-pack system, while its interior reveals a powder-coated detail harmonizing with the brand's colors. The master plan model showcases the precinct's integration with surrounding areas such as Central Station and neighborhoods like Surry Hills, Chippendale, Everleigh, Darling Harbor, and Haymarket, emphasizing key park amenities. Controlled via an iPad interface, agents can illuminate the proposed development and highlight local landmarks and infrastructure, showcasing the site's connectivity and potential. When making 1:500 timber models we use varied techniques such as CNC milling, manual cutting, using blades, ban saws and laser cutting. Each of these model making techniques generate different expressions for both the form and the surface treatment translating architectural details differently. The CNC is amazing for burn free cutting, 3D carving of forms that are more sculptural and for site models but its not appropriate for many finer detail works at this scale as the elements are too small. Smart Design Studio & Co-AP's design for Green square uses CNC milling and hand assembly to craft formal representations of the designs that then slot into a reusable context model. The entire model is made of Solid wood. Competition Model for Neeson Murcutt at 1-500 showing Cotteslow Beach Pavilion Grimshaw & Andrew Burges design for Parramatta Pool uses a combination of CNC milling and laser cutting to represent building components and pools that are sunken under the landscape. Robust site elements were CNC milled while the model delicate pieces were laser cut and assembled by hand. Grimshaw + Smart Design Studio + Panov Scott, 338 Pitt Street uses solid mahogany that has been hand carved, laser cut and assembled. A shimmery acrylic facade was used to express the louvered glazing wall on either side of the building's design. Winning Competition entry for BVN and SHOP Architects uses mixed timber and acrylic materials. We utilize rapid fabrication techniques such as resin 3D printing, CNC machined timber and laser cutting. This 1:500 Competition model for CRONE + Kohn Pedersen Fox Associates boasts a delicate facade on both the podium and tower. Acrylic floor to floor construction was used with fine paper details and a sleeve like facade system was applied to the the lower levels. The model would slot in and out of a larger site model. CO-AP's circular designed form was constructed using resin which was frosted to represent the curtain like skin that in reality, comes alive at dusk with projections and lighting techniques. A solid timber base was carved for CO-AP well before the design was finalized so that the team could test various iterations of the pavilion before locking in the final design which we then molded and fit to the existing base. Acrylic site models can be lightweight and robust. The surface finish is smooth and can be painted to the desired effect which makes it a versatile material to use. Architecture designs that are made using acrylic fabrication techniques can express a high level

of detail when 3D printed or communicate transparent qualities for glazing elements when using acrylics. Similar levels of details can be achieved when combining 3D printing with laser cut techniques for intricate facade systems.. Architectural scale model for City of Sydney for Smart Design studio.