

DATUMBUILT

Your BIM & VDC Services Partner.



VICTOR CASTILLO
Principal, VDC Manager

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📍 Bay Area, CA

Victor Castillo is an experienced VDC professional with over 25 years in the AEC industry, including more than 12 years managing projects and leading staff to deliver VDC services for complex projects. His extensive background covers both design and construction, spanning sectors such as commercial, industrial, high-rise mixed-use, data centers, higher education, and healthcare facilities. Victor's expertise encompasses the entire project lifecycle, from pre-construction and creating site logistics plans and 4D models, to construction phases with lidar scanners and progress tracking for quality control.

Victor is passionate about leading complex projects and mentoring VDC personnel, drawing from his experience in managing and training over 20 direct and indirect reports. As a subject matter expert in BIM platforms like Revit, AutoCAD, and Navisworks, and a continuous learner of emerging VDC tools and practices such as Reality Capture, Robotic Layout, and Progress Tracking, Victor is dedicated to helping colleagues and clients grow alongside him.

EXPERTISE

EXPERIENCE

- Over 25 years of CAD / BIM / VDC experience in the AEC industry. MEP Engineering: 10+ Years. BIM Consulting (to Trades & GCs): 7 Years. General Contractor: 5 Years.
- Managed, Trained, and Mentored over 20 direct reports, indirect reports, and offshore colleagues.
- Worked on numerous Commercial, Industrial, High Rise Mixed Use, Data Center, Higher Education, and Healthcare facilities.

PROJECT MANAGEMENT

- Developed VDC Statements of Work (SOW), VDC Project Schedules, and VDC Project Budgets
- Authored Trade BIM Requirements, BIM Execution Plans (BEP), Trade Coordination Schedules, Coordination Meeting Minutes, and Trade Instructions.
- Produced Change Management documentation, and PM/PX Project Updates,
- Revit & AutoCAD Setup, Management, and Troubleshooting

SCOPES & SERVICES

- Trade Model Coordination (BIM Coordination) for large complex projects
- Site Logistics (w/ Revit & Sketchup), 4D models (w/ Navisworks Timeliner), Progress Tracking (w/ Autodesk Assemble), Lidar Point Cloud Scanning (w/ FARO Focus & ReCap), Robotic Layout QC (w/ Dusty Robotics), and 360-Cameras (w/ OpenSpace)

SOFTWARE PLATFORMS

- Revit, AutoCAD, Navisworks Manage, BIM 360 / ACC (Autodesk Construction Cloud), Assemble
- Procure, Newforma Konekt (aka BIM Track), Bluebeam Revu Extreme, and OpenSpace

WORK HISTORY

TURNER CONSTRUCTION | Oakland, CA | **VDC Project Manager** | 2022 to 2024

- **California State University, Chico:** [Behavioral & Social Science Building](#) (89,075 SF, 4 Levels)
 - Took over from predecessor to complete Trade Coordination.
- **Evergreen Community College:** [Sequoia Upgrades/Nursing Addition](#) (33,000 SF, 2 Levels)
 - Took over from predecessor to complete Trade Coordination.
- **Applied Materials:** [Bldg. 74 Renovation](#) (115,000 SF, 2 Levels)
 - Set up the Trade Coordination Process.
 - Managed a VDC Engineering who led Trade Coordination.
- **University of California, Berkeley:** [The Gateway](#) (380,000 SF, 6 Levels)
 - Developed the VDC Project Scope & SOW, VDC Project Budget, and VDC Project Schedule
 - Developed and managed the BIM Execution Plan and Trade Coordination Schedule
 - Led Trade Coordination with three weekly Coordination Meetings including MEPF Trade Detailers, Architects & Engineers, and Envelope Trades.
 - Provided training to Trade Detailers to improve their use of Navisworks, AutoCAD, Revit, and Newforma Konekt (formerly BIM Track) to benefit their performance.
 - Performed Steel Progress Tracking using Autodesk Assemble and Power BI
 - Deployed Lidar scanners to capture point clouds to evaluate Concrete Floor Flatness and verify Edge of Slab (EOS) tolerances.
 - Performed scope-gap modeling for several - often owner furnished - systems.
- Led, trained, and mentored two direct reports, one indirect report, and two offshore teammates.
- Developed or improved template documentation for Trade BIM Requirements, BIM Execution Plans, Trade Coordination Schedules, and documented Best Practices for Trade Coordination.

PLAZA CONSTRUCTION | San Jose, CA | **Director of VDC** | 2019 to 2022

- **CMI, San Jose:** [Data Center](#) | 287,000 SF | 5 Levels
 - Led Trade Coordination and performed a broad scope of VDC services (in a similar capacity as The Gateway).
- Developed standards for BIM 360/ACC deployment
- Produced Site Logistics and Construction Phasing Plans for several projects in the pursuit and pre-construction phases.
- Developed internal marketing strategies to expand the adoption of in-house VDC services by Plaza's PM's & PX's. This included developing a VDC Department SharePoint site and a corresponding presentation that I delivered to numerous project team leaders.

MODULUS CONSULTING | San Francisco, CA | **BIM Project Manager** | 2014 to 2019

- Managed, Modeled, and Coordinated numerous projects serving Trade Partners and General Contractors, overseeing each project from business development to closeout.
- Supervised and trained over 15 BIM Specialists.
- Developed new template documents for Statements of Work, Bid Estimates, and Proposals.

HDR | San Francisco, CA | **Mechanical Designer** | 2007 to 2014

- Performed Mechanical Design and Revit Model Management for numerous projects, including multiple Hospitals, Higher Education, and Laboratory facilities.
- As a member of HDR's Revit Implementation Group, worked to develop standards and procedures to transition the company nationally from AutoCAD to Revit.

DUPONT ENGINEERING | Portland, OR | **Mechanical Drafter** | 2001 to 2007

INNOVATIVE SOLUTIONS | Portland, OR | **Mechanical Drafter** | 1996 to 2001