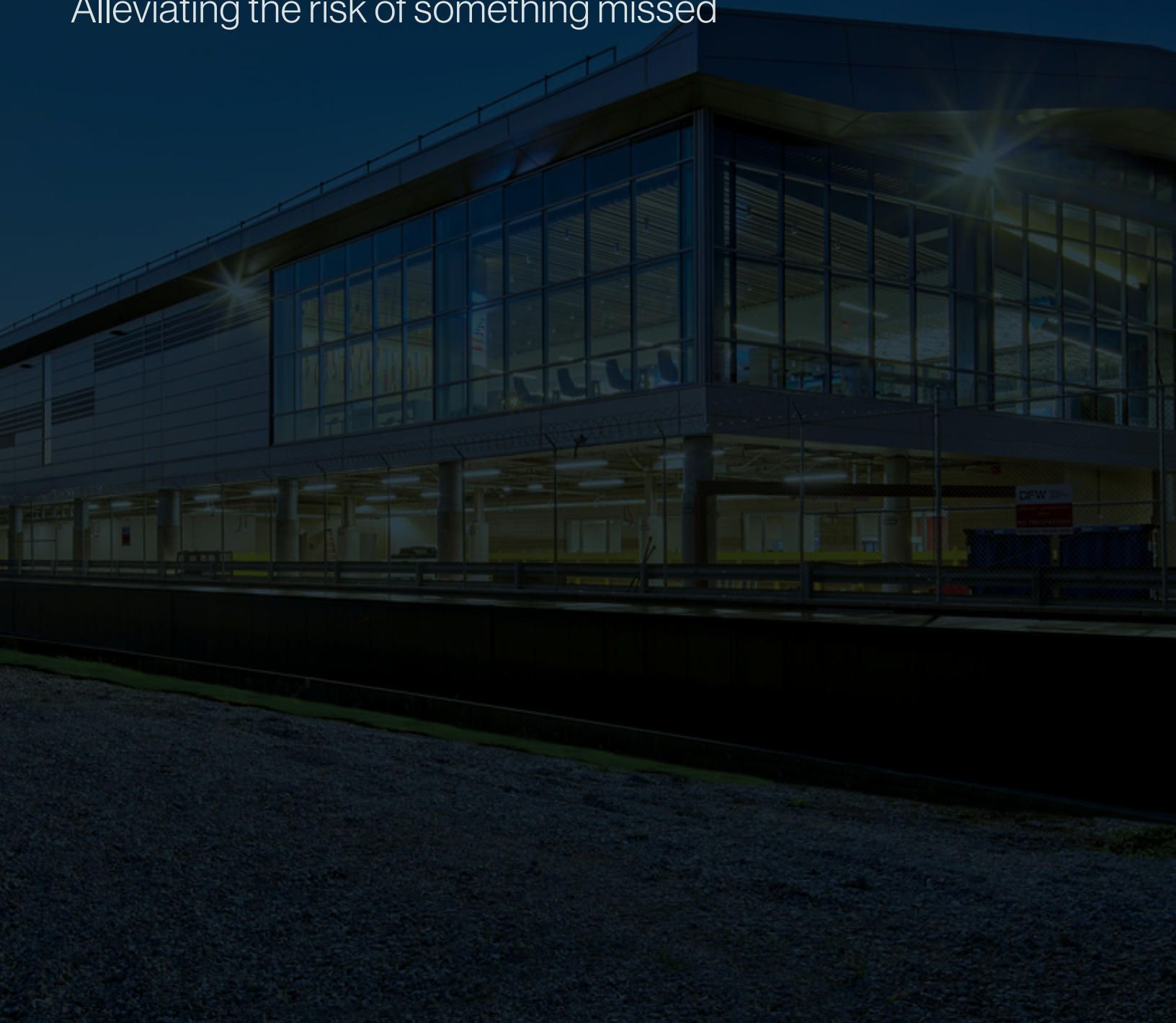




Wade  
Architectural  
Systems

# Installation Made Simple with Detailed Drawings

Alleviating the risk of something missed



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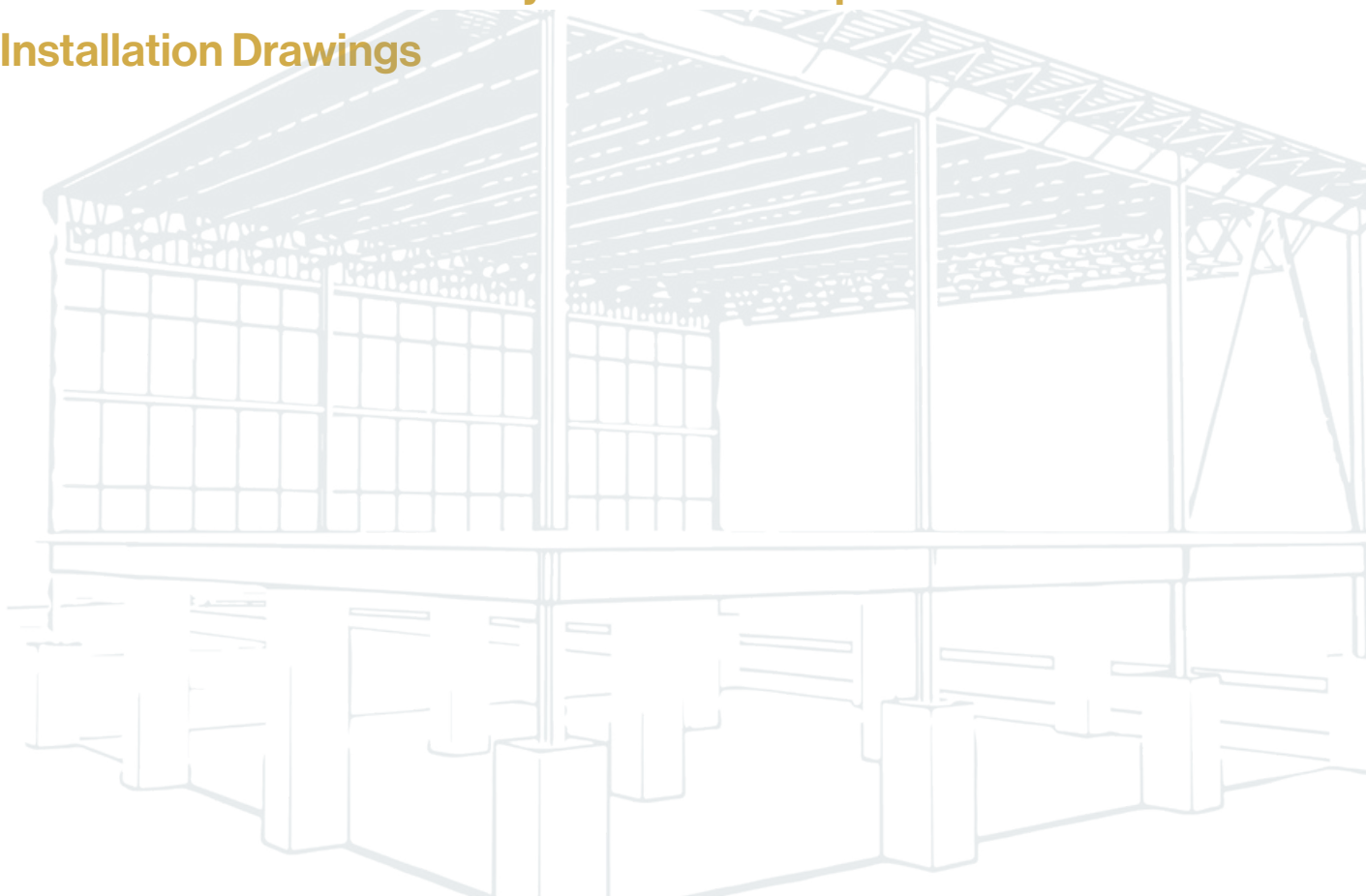
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# Introduction

For forward-thinking construction businesses, detailed installation drawings are revolutionizing job site efficiency, safety, and the entire scope of project management and delivery. Traditionally, the construction industry has wrestled with the complications of cost overruns, project delays, and suboptimal project planning and management. However, with detailed installation drawings specifically designed for contractors and subcontractors, the sector is now empowered to harness a spectrum of innovative approaches to overcome these longstanding obstacles. These detailed drawings are crucial and bring clarity and precision to complex construction processes, enhancing the execution and success of projects.

The need for detailed installation drawings stems from the increasing complexity of modern construction projects. With advancements in architectural design, the integration of various systems has become more intricate.

Through the pages of this guide, we will explore how detailed installation drawings serve as the critical link between conceptual plans and physical realities. We will uncover the layers of benefits these drawings provide, from enhancing communication and ensuring accuracy to optimizing resources and managing costs effectively that empower your projects, ensuring that every installation is not just a step in construction but a stride towards excellence.



As the construction industry continues to evolve with more complex and innovative designs, the significance of detailed installation drawings cannot be overstated. These drawings are more than just blueprints; they are a roadmap to success, ensuring that every element of a project is executed with precision and clarity.

**Bill Wade, CEO and Founder of Wade Architectural Systems**

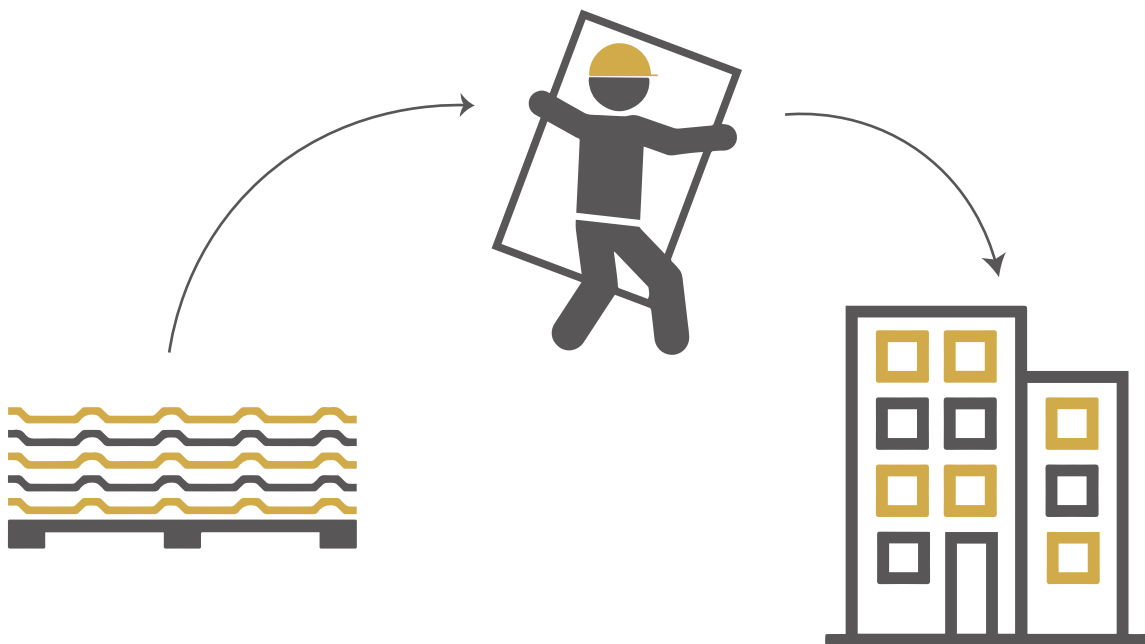


# The role of Installation Drawings

In the complex orchestration of constructing a building, every detail counts. Detailed installation drawings are the unsung heroes in this process, providing a comprehensive roadmap that ensures the envisioned design translates into a structurally sound and aesthetically pleasing reality. Unlike general blueprints or design plans, installation drawings dive into the specifics: they detail individual elements, precise measurements, the methods required for proper installation, and how different systems interact and coexist within a single structure.

Within the sphere of construction projects, two distinct sets of detailed installation drawings emerge as vital: the approval set and the construction set. The approval drawings are the first step, meticulously crafted to identify and eliminate uncertainties in dimensions and materials, ensuring that every aspect of the design is up to code and meets client expectations. They serve as the initial submittal to stakeholders and regulatory bodies for review and approval.

Once approved, the construction set takes precedence, integrating any revisions and feedback. This comprehensive collection includes detailed bills of materials and is often organized by elevations, providing a practical roadmap for material handling and installation on the jobsite. Each set plays a pivotal role in the seamless transition from design to a fully realized structure.



# The benefits of having detailed Installation Drawings

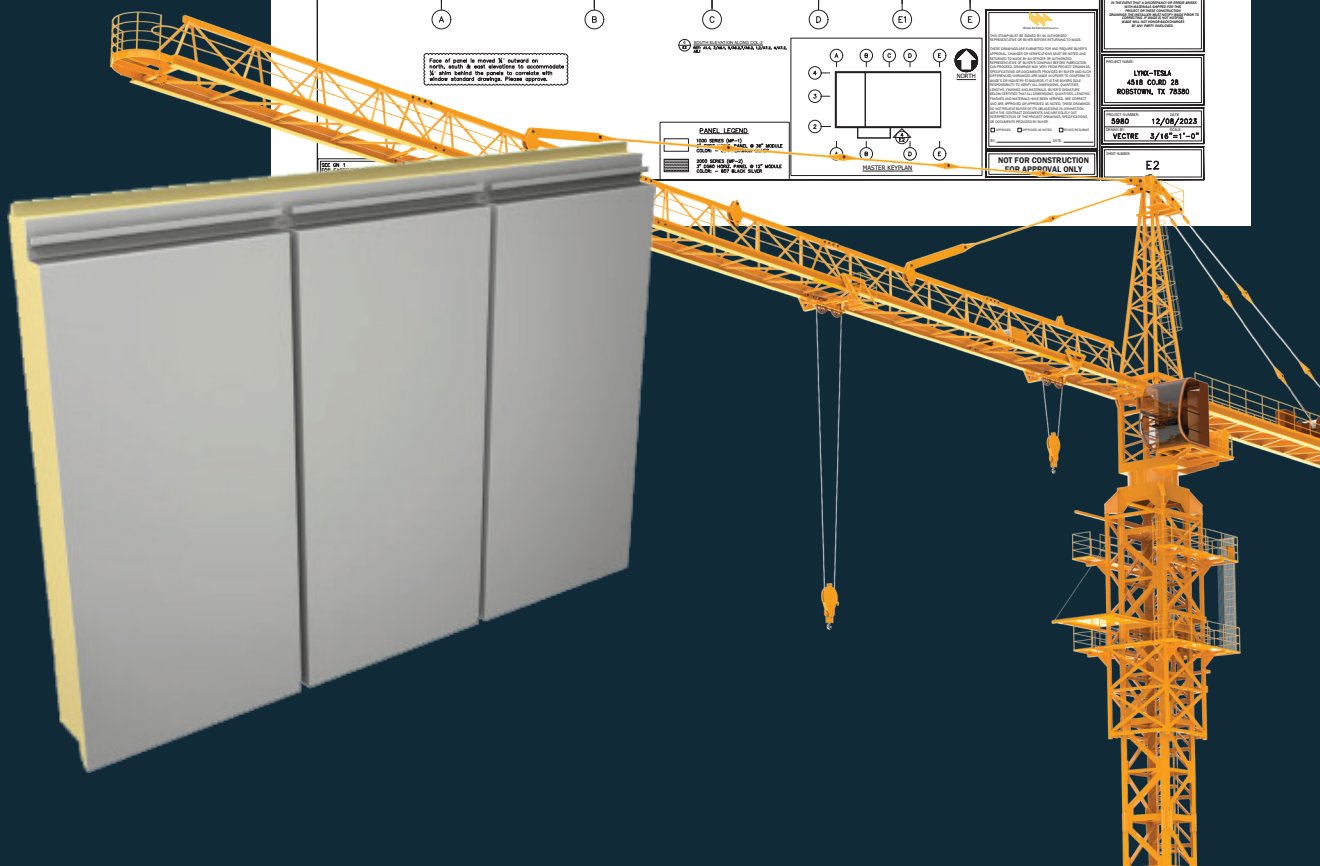
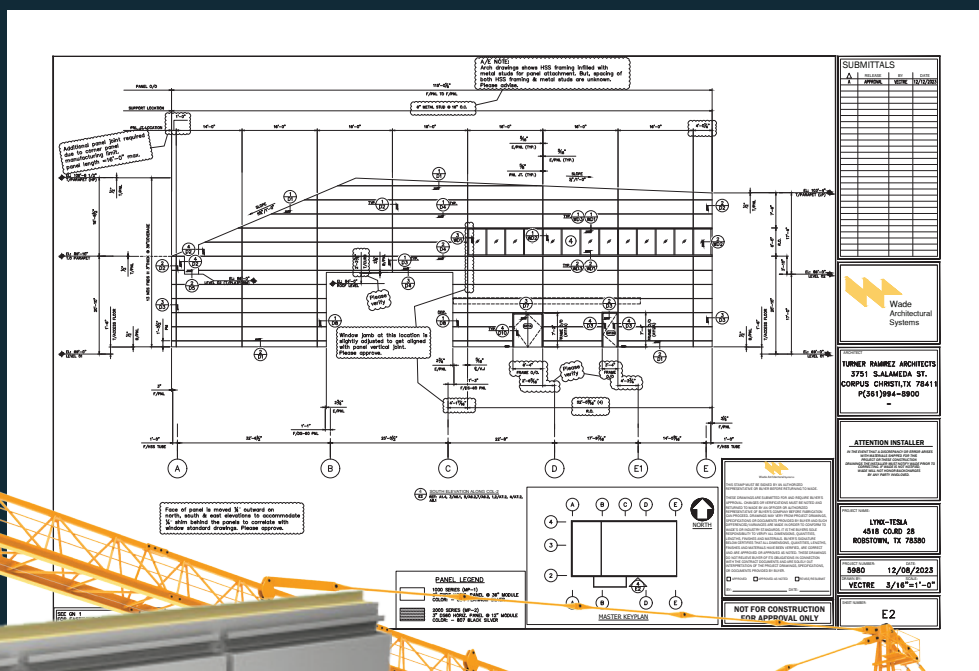
Detailed installation drawings offer an unparalleled level of precision, acting as a universal language, bridging the gap between architects, engineers, contractors, and clients. By presenting exact measurements, material specifications, and installation techniques, they serve as an authoritative source of clarity for the entire construction team. This precision is crucial, as it minimizes the margin for error. Errors in construction can lead to additional expenses; detailed installation drawings mitigate this risk by allowing for accurate pre-construction planning. They enable precise material estimates and labor allocation, reducing waste and avoiding the additional costs associated with project overruns.

Here are some of the key advantages that streamline the entire process from conception to completion:

- ✓ Shop drawing reference the Architectural and Structural contract documents for easy reference.
- ✓ General Notes and Shop drawings in both English and Spanish, Standard and Metric
- ✓ Provide panel and trim tags for every piece as well as a reference Bill of Material (BOM) for each elevation on the elevation sheet
- ✓ Trim Fabrication sheet and BOM provide detailed measurements and segmentation of each trim piece, enabling installers to accurately estimate labor and materials
- ✓ Elevations and wall sections show the interaction with other trades incorporating their shop drawings for coordination
- ✓ Includes the manufactures general note sheets tailored to the specific project that explain in detail the reception, storage, installation and specific sealant and fastener requirements for every panel type on a project.



# Detailed installation drawings are a vital component in the construction industry, offering benefits that permeate the entire lifecycle of a project.



# The Impact of Installation Drawings

Completing the installation of custom products on a construction project can be a complicated process when translating complex architectural designs.

To install products on the building, you need actionable steps to ensure that each piece is installed correctly and efficiently. This level of detail supports builders in executing their tasks with confidence and precision, directly impacting the quality and speed of construction. They are instrumental in enabling project managers to foresee the needs and challenges of the construction, allowing for thorough preparation. By setting a clear path forward, installation drawings help in aligning the project's scope with realistic timelines and budget forecasts.

This detailed information becomes invaluable when modifications, upgrades, or repairs are needed, ensuring that any changes are made in accordance with the original design and structural integrity of the building. As a result, installation drawings are not just tools for instruction; they are the keystones of constructing a building that stands true to its envisioned form.

Let's have a look at the different areas that can benefit from contractors utilizing detailed installation drawings:



We've built our reputation on the belief that a detailed plan is a plan for success. Detailed installation drawings allow us to anticipate and navigate the complexities of building envelopes, affirming our commitment to excellence.

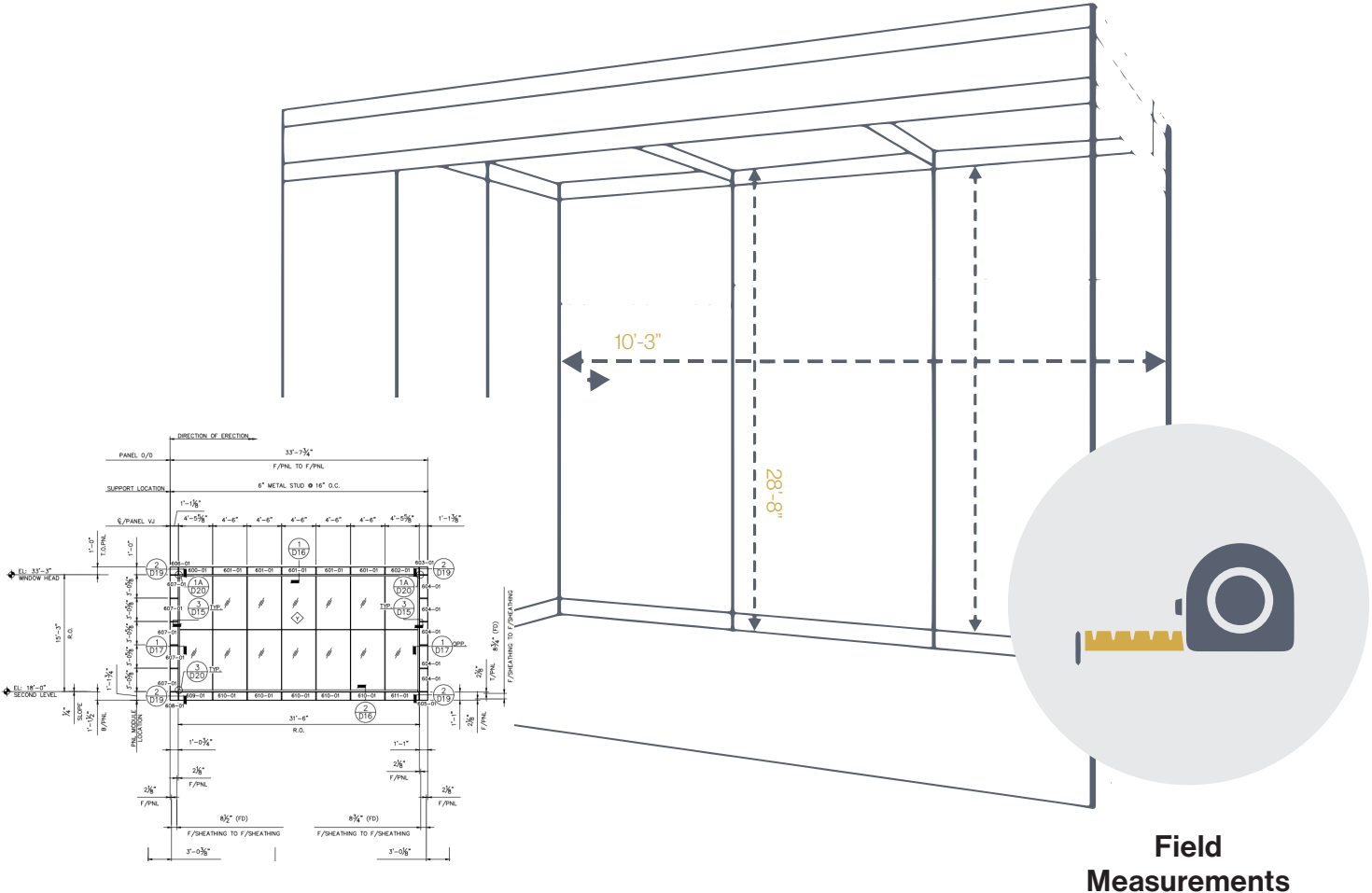
**Peter Parnham, VP of Wade Architectural Systems**



# For Approvals:

Detailed installation drawings are crucial for a project's success as they provide a comprehensive view of complete panel assemblies, including attachments, substrates, and the interaction of materials with adjacent surfaces. These drawings serve as an initial submittal for approval, meticulously attempting to identify and resolve any uncertainties in dimensions and materials.

These drawings act as a visual tool that all stakeholders can reference, ensuring that everyone involved in the approval process is on the same page and helping to eliminate gaps in the project scope. In essence, a project typically encompasses two vital sets of drawings: the first set is focused on securing approvals by ensuring that material interaction is clearly defined and understood. This systematic approach ensures a smooth transition from planning to execution, laying the foundation for effective and efficient installation.

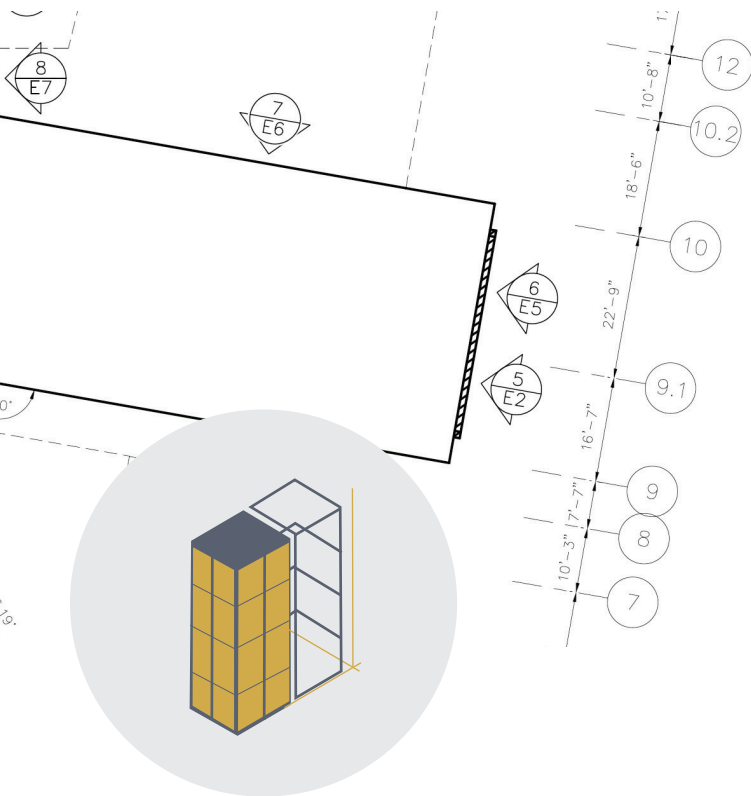




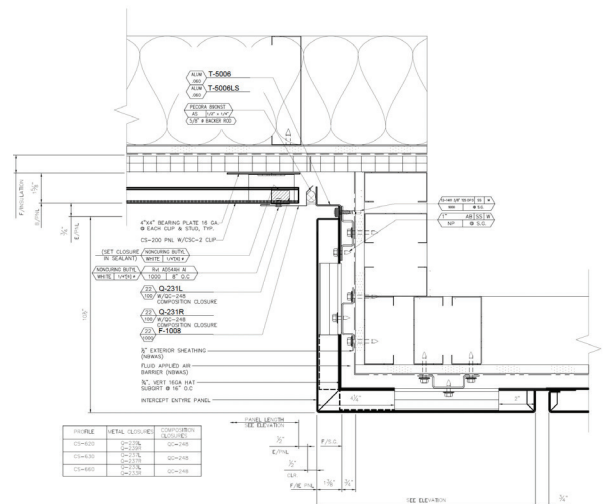
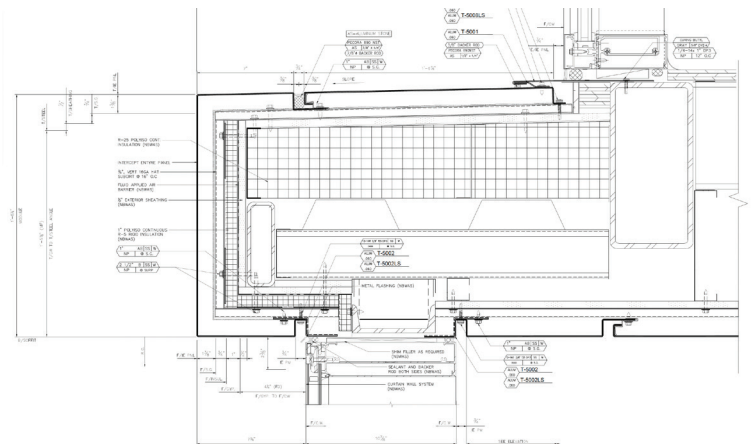
# For Construction:

In the construction phase, the significance of shop drawings is elevated by their capacity to mirror and reference the architectural and structural contract documents comprehensively, ensuring that all parties have a clear and easy reference point. To cater to a diverse workforce and adhere to international standards, shop drawings and general notes are provided in both English and Spanish, and detail measurements in both standard and metric units. They include detailed isometrics of critical junctions such as corners, trims, and soffit intersections, allowing for a three-dimensional understanding of assembly and installation. The General Notes assist with material handling, fasteners, and basic Best Practices for installation.

The impact of detailed installation drawings on the construction phase is multifaceted, influencing accuracy, coordination, speed, cost-efficiency, adaptability, and compliance, expanding capabilities and opening up new avenues of growth for subcontractors everywhere.



**Quick  
Installation**



2  
OF  
OUTSIDE CORNER DETAIL 2



Installation Made Simple with Detailed Drawings

# For Jobsite:

In the realm of jobsite management, the organization and handling of materials are elevated through the strategic use of detailed installation drawings corresponding to specific building elevations. These drawings are instrumental in optimizing material handling and jobsite organization, allowing for a systematic approach to the construction process. Each panel and trim piece is meticulously tagged and cataloged, aligning with a reference Bill of Material unique to each elevation, as delineated on the elevation sheet. This organized system ensures that materials are delivered and stored efficiently with each component easily identifiable and traceable.

Teams working on a specific elevation have immediate access to all the materials they need, streamlining their workflow minimizing the potential for errors in the installation of the facade elements.

## TRIM & EXTRUSION MATERIAL LISTING E5

DWG DETAIL 1/016 (SOFFIT FRONT)	
ES	T-5001 ~ 3 @ 12'-0"
ES	T-5008 ~ 3 @ 12'-0"
ES	T-5008LS ~ 2 @ 0'-6" LS FOR T-5008
ES	T-5007 ~ 3 @ 12'-0"
ES	T-5007LS ~ 2 @ 0'-6" LS FOR T-5007
DWG DETAIL 2/016 (SOFFIT FRONT)	
ES	T-5001 ~ 3 @ 12'-0"
ES	T-5008 ~ 3 @ 12'-0"
ES	T-5008LS ~ 2 @ 0'-6" LS FOR T-5008
ES	T-5007 ~ 3 @ 12'-0"
ES	T-5007LS ~ 2 @ 0'-6" LS FOR T-5007
DWG DETAIL 1/017 (OUTSIDE CORNER DETAIL 2)	
ES	T-5002 ~ 3 @ 12'-0"
ES	T-5002LS ~ 2 @ 0'-6" LS FOR T-5002
ES	T-5008 ~ 3 @ 12'-0"
ES	T-5008LS ~ 2 @ 0'-6" LS FOR T-5008
DWG DETAIL 1/018 (BASE DETAIL)	
ES	T-5009 ~ 1 @ 12'-0"
ES	T-5010 ~ 1 @ 12'-0"
ES	ST-200 SP4456 ~ 1 @ 15'-11 1/2" SFE-1201 FH4 Cut
DWG DETAIL 2/018 (BASE DETAIL 1)	
ES	T-5009 ~ 1 @ 12'-0"
ES	T-5010 ~ 1 @ 12'-0"
ES	ST-200 SP4456 ~ 1 @ 15'-11 1/2" SFE-1201 FH4 Cut
DWG DETAIL 2/019 (OUTSIDE CORNER DETAIL 2)	
ES	T-5009 ~ 1 @ 12'-0"
ES	T-5006 ~ 0 @ 12'-0" USE DROPS FROM ES-1/017
DWG DETAIL 1/020 (SOFFIT SIDE TOP)	
ES	T-5018 ~ 1 @ 12'-0"
ES	ST-200 SP4456 ~ 0 @ 15'-11 1/2" SFE-1201 USE DROPS FROM ES-2/018
DWG DETAIL 3/020 (SOFFIT SIDE BOTTOM 1)	
ES	T-5014 ~ 1 @ 12'-0"
ES	ST-200 SP4456 ~ 0 @ 15'-11 1/2" SFE-1201 USE DROPS FROM ES-1/018
DWG DETAIL 1/022 (OUTSIDE CORNER WITH INSIDE CW DETAIL)	
ES	T-5002 ~ 4 @ 12'-0"
ES	BALANCE MATERIAL BILLED ON E7
DWG DETAIL 2/020 (OUTSIDE CORNER INSIDE CW DETAIL 1) & 4/020 (OUTSIDE CORNER INSIDE CW DETAIL 2)	
ES	T-50

## INTERCEPT ENTIRE PANEL MATERIAL LISTING 6/E5

Intercept - Ptd.: PANTONE 7745c						
IL	QTY	PAN MARK	LENGTH	MODULE	SHOP FAB	SHOP DWG INFO
6	1	602-01	4'-4 7/8"	35 7/8"	PT09	SM 8 0'-10 1/2" ANG W 91.2 DM 8 1'-0"
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	HHHD	
6	5	601-01	4'-5 1/4"	35 7/8"	PT09	SM 8 0'-10 1/2" ANG W 91.2 DM 8 1'-0"
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	HHHD	
6	1	602-01	4'-4 7/8"	35 7/8"	PT09	SM 8 0'-10 1/2" ANG W 91.2 DM 8 1'-0"
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	HHHD	
6	1	603-01	1'-11 1/2"	23 1/4"	FS02	
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	HHHD	
6	5	604-01	2'-11 5/8"	36 5/8"	PT11	SM 8 1'-0 1/8" ANG W 90 DM 8 1'-1"
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	HHHD	
6	1	605-01	1'-4 1/2"	24 1/4"	PT07	SM 8 1'-1" ANG W 90 DM 8 1'-1"
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	HHHD	
6	1	606-01	1'-11 1/4"	23 1/4"	FS01	
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	HHHD	
6	5	607-01	2'-11 3/8"	36 5/8"	PT11	SM 8 0'-10 1/2" ANG W 90 DM 8 1'-0 3/4"
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	HHHD	
6	1	608-01	1'-11 1/4"	24 1/4"	PT07	SM 8 1'-1" ANG W 90 DM 8 0'-10 1/2"
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	HHHD	
6	1	609-01	4'-4 7/8"	36 3/8"	PT09	SM 8 1'-0 1/8" ANG W 91.2 DM 8 1'-1"
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	HHHD	
6	1	610-01	4'-4 7/8"	36 3/8"	PT09	SM 8 1'-0 1/8" ANG W 91.2 DM 8 1'-1"
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	HHHD	



## INTERCEPT ENTIRE PANEL MATERIAL LISTING 12/E5

Intercept - Ptd.: PANTONE 7745c						
IL	QTY	PAN MARK	LENGTH	MODULE	SHOP FAB	SHOP DWG INFO
12	1	1200-01	3'-4 3/8"	37 1/4"	PT01	
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	EDCB	
12	1	1201-01	3'-4 3/4"	37 1/4"	PT01	
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	EDCB	
12	1	1202-01	3'-4 3/8"	37 1/4"	PT01	
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	EDCB	
12	1	1203-01	3'-4 3/8"	37 7/16"	PT01	
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	ADCB	
12	1	1204-01	3'-4 3/4"	37 7/16"	PT01	
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	ADCB	
12	1	1205-01	3'-4 3/8"	37 7/16"	PT01	
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	ADCB	
12	1	1206-01	3'-4 3/8"	36 3/16"	PT01	
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	ADCB	
12	1	1207-01	3'-4 3/4"	36 3/16"	PT01	
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	ADCB	
12	1	1208-01	3'-4 3/8"	36 3/16"	PT01	
		SEAL	DEL [PA THK] MOD SC	EDGE		
		N 5000	HORIZ 1 3/8"	N	ADCB	

RIES		
QTY	DESCRIPTION	UNIT
1	3" X 1" AB W (NP)	
2	2" X 1" SP3 (NP)	
2	2" X 3" SS W (NP)	
1862	EACH 101801	1/4-14 SS Hex HD X 2 1/2" AB W (NP)
10	EACH 5631	3/8" BLAD TIE (RV6604-6-4-W AB) (NP)
162	LF 100616	BACKER ROD, 3/8" Dia
40	LF 100617	BACKER ROD, 5/8" Dia
28	LF 100618	BACKER ROD, 7/8" Dia
1	ROLL 417513	3M VHB 1" X 0.041" TAPE 108LF/ROLL
20	EACH 100389	5000 RIVET A0544M
6	SAUSAGE 116889	CURING BUTTE (CR41)
37	SAUSAGE 627227	FEEDA BRACKET (ALUMINUM STRK)
52	EACH 425497	NP 1" X 2" X 1/8" Poly Fines Tappet - concrete anchor
18	EACH 9065	1" X 2" X 1/8" PLASTIC SHIM
47	EACH 7148	5000 1/4-14 SS Hex Hd x 2 1/2" B W
1	QUART GAN 423388	P-120 PRIMER
1870	EACH 100225	SHIM PLASTIC MS-1 (1/16" THK)
935	EACH 100226	SHIM PLASTIC MS-2 (1/8" THK)
468	EACH 100531	SHIM PLASTIC MS-3 (1/4" THK)

## Elevation Coordination



Installation Made Simple with Detailed Drawings

# How Wade Architectural Systems can help you with Installation Drawings

Have you ever paused amidst a project, pondering over the elements that might have slipped through the cracks? The complexity of construction often brings with it the nagging question of overlooked details. This is where the actual value of a properly executed set of shop drawings from Wade Architectural Systems comes into play. They act as a safeguard against the risks that come from uncertainty, meticulously detailing every component and specification.

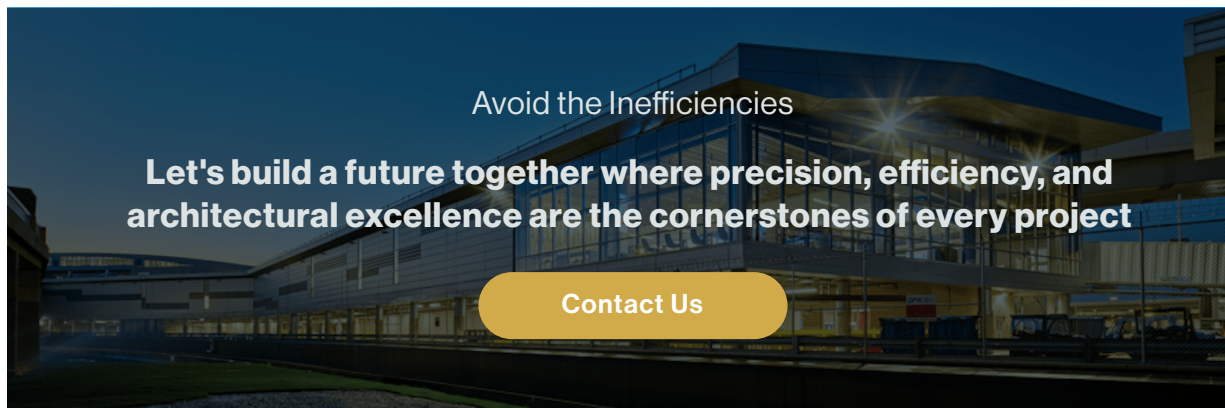
Such precision in planning serves as a proactive measure, mitigating the risk of costly oversights and ensuring that every aspect of the project is accounted for and executed according to plan. It's in the accuracy of these drawings that the answer to minimizing missed details lies in offering peace of mind and a clear path to project success.

Our approach to installation drawings is not one-size-fits-all. We recognize that each project has its unique set of challenges and requirements. By partnering with us, you gain access to customized installation drawings that are tailored specifically to your project's needs. This collaborative approach ensures that our installation drawings integrate smoothly with your overall project plan, supporting a cohesive and efficient construction process.



Wade Architectural Systems is a great firm that has been a trusted partner on many of our PGAL projects...they are an amazing project resource with the staff that has a solid technical acumen and an eye for design.

**Michael Lloyd, Principal at PGAL**



## About Wade Architectural Systems

Wade Architectural Systems, a leader in the architectural industry, specializes in providing innovative and high-quality metal panel systems and solutions. At Wade Architectural Systems, we aim to empower architects, contractors, and builders, ensuring that every aspect of our clients' designs is translated into reality with utmost precision.

[Request More Information](#)

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