

SITE QUALITY CONTROL - GAP ANALYSIS



Common challenges faced with building construction site, specific to facade works are presented here. Tips for a better site quality management

Aspects	Details	Missing	How to Fix
Approved drawings	Typical areas	Site team not aware or do not have copy of approved drawings, checking is not possible in the absence of what is approved	Implement tracking system for design approvals, status reports etc., Ask contractor to follow a register or systems
	Non typical areas	Quite common that façade contractor do not prepare design or details for non-typical cases. Which means works executed without any drawings. After executed, they will send drawings for approval, which may be compromised details.	
Samples and Visual Mock-ups	Demand for each system VMU.	Each typical systems VMU is critical, this brings a clarity for all parties like Client, Consultants and Architects. It avoids confusion about system finishes, sets backs, details levels etc., This will not need extra cost or additional time,	Site manager to take efforts to follow this process.
Material supply at Site	Overall Compliance to design	Check for design compliances	<ul style="list-style-type: none"> • Dedicated QAQC person • Use check list methods • Implement sticker system
	Materials as per Approved	Check materials for source and authenticated / approved	
	Details following approved shop drawing	checking of delivered items following as per dimensions, tolerances, quality etc.	
Site test for quality	Carry out applicable site tests progressively	No initiatives, rely on contractor's choice. Many times, consultant need to track, remind and follow-up.	Need better follow-ups
Contract management	Check contractor scope, responsibilities	Checking work compliance as per design or specification. Consultant shall check periodical basis, however full-time site-based to monitor on daily missing	Not just monitor progress, create a checking system, and train site team aware of contractor responsibilities.
RCC and Other Trades Interfaces works	Check RCC system tolerances, Quality of works in relation with Other trade works.	This is a big void in the construction industry. Site team must check RCC tolerance during progress, will avoid additional time and costs for other trades. Like. In some cases, details are compromised due to poor building tolerances.	Implement progressive checking system for tolerances and quality of building structure. Make the civil contractor aware of tolerances required.
Timely Visits and site monitoring	Check Architects and Consultants have agreed for time to time visits	On time -Architects and Consultants Visits are extremely important. Site team may call for visits after majority of works are completed or progressed. In which case visits are not going to bring quality on track.	Timely visits and monitoring is essential, require better planning and follow good project management systems