

Resume

Michael D. Stephenson II, AIA

michael@ArchitectEarth.com

www.ArchitectEarth.com

704-576-7812

Skills:

Managing projects from DD thru CA

All aspects of Architectural Construction Administration, inclusive of HUD projects

- Shop Drawing Review
- RFI Responses
- Making and Issuing Drawing Revisions via Revit
- OAC Meeting Participation
- Change Order Review
- Creating Field Reports & Punch Lists
- Pay App Review
- Dispute Resolution
- Interpreting AIA Contracts

Leveraging technology to better serve the needs of the firm and the client

Revit, AutoCAD, BlueBeam & MS Access proficiency.

PMP (Project Management Professional) Certification Pending

Certifications:

Registered Architect, NCARB Certified

LEED 2.0 Accreditation

Education:

Bachelor of Architecture
University of North Carolina at Charlotte

Project Management Plus Certificate Program

CPCC

Employment:

NarmourWright, Charlotte NC

Construction Administrator

2015 - Present

Little Diversified Architectural Consulting, Charlotte, NC

Project Architect, Construction Administration

1994 - 2010; 2013 - 2015

Cluck Design Collaborative, Charlotte NC

Project Architect

2011 - 2013

Goppold Architecture, Charlotte, NC

Project Architect

2010 - 2011

Professional:

BDC (Building Development Commission)

representative for the GCAA (Greater Charlotte Apartment Association)

2015 - Present

Accomplishments:

AppsToKnow.com: iPhone App Software Developer:

2010 - 2015

TheMusicEclectic.com: Guitar Recordings

Founders Hall Renovation

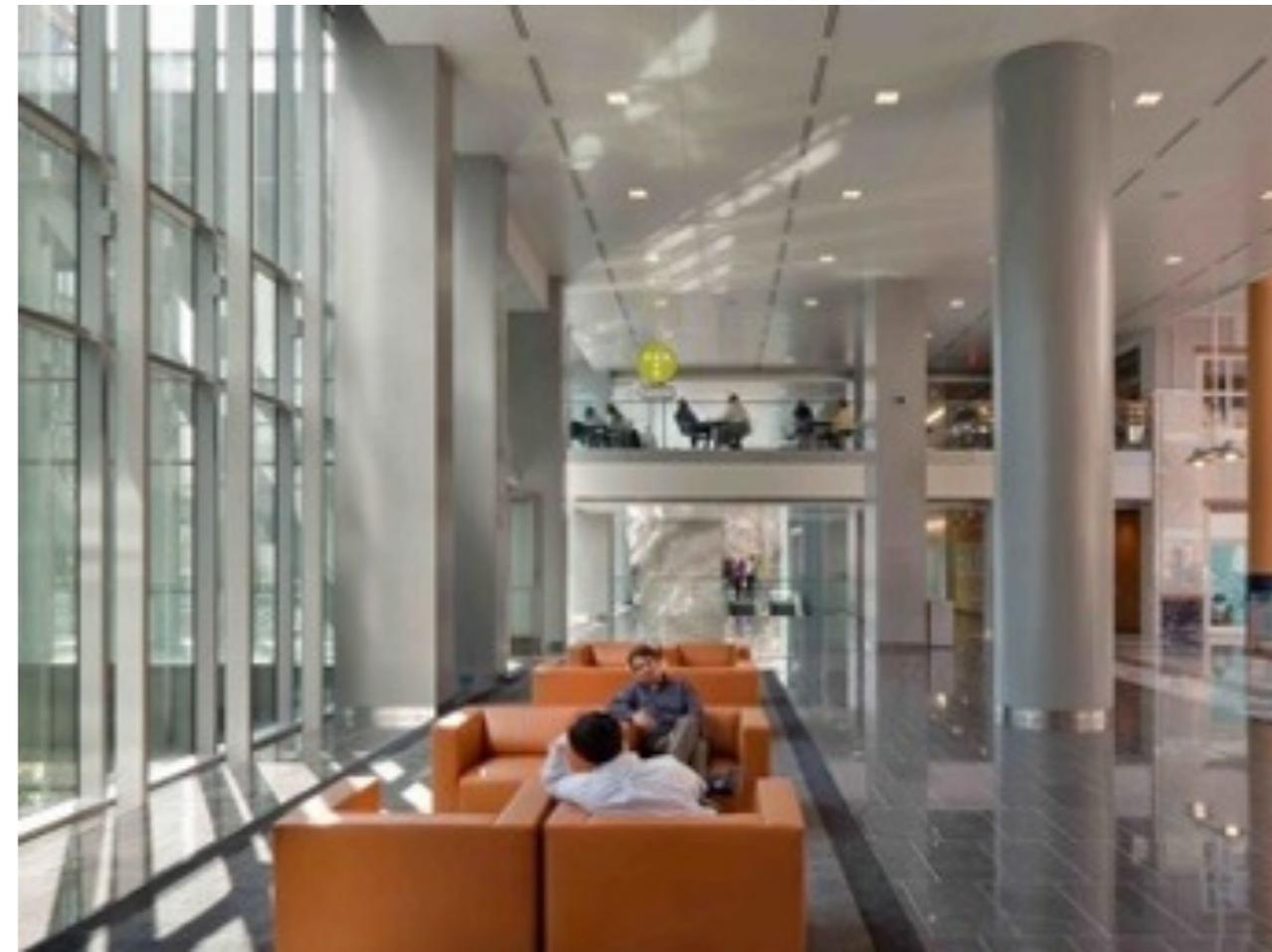
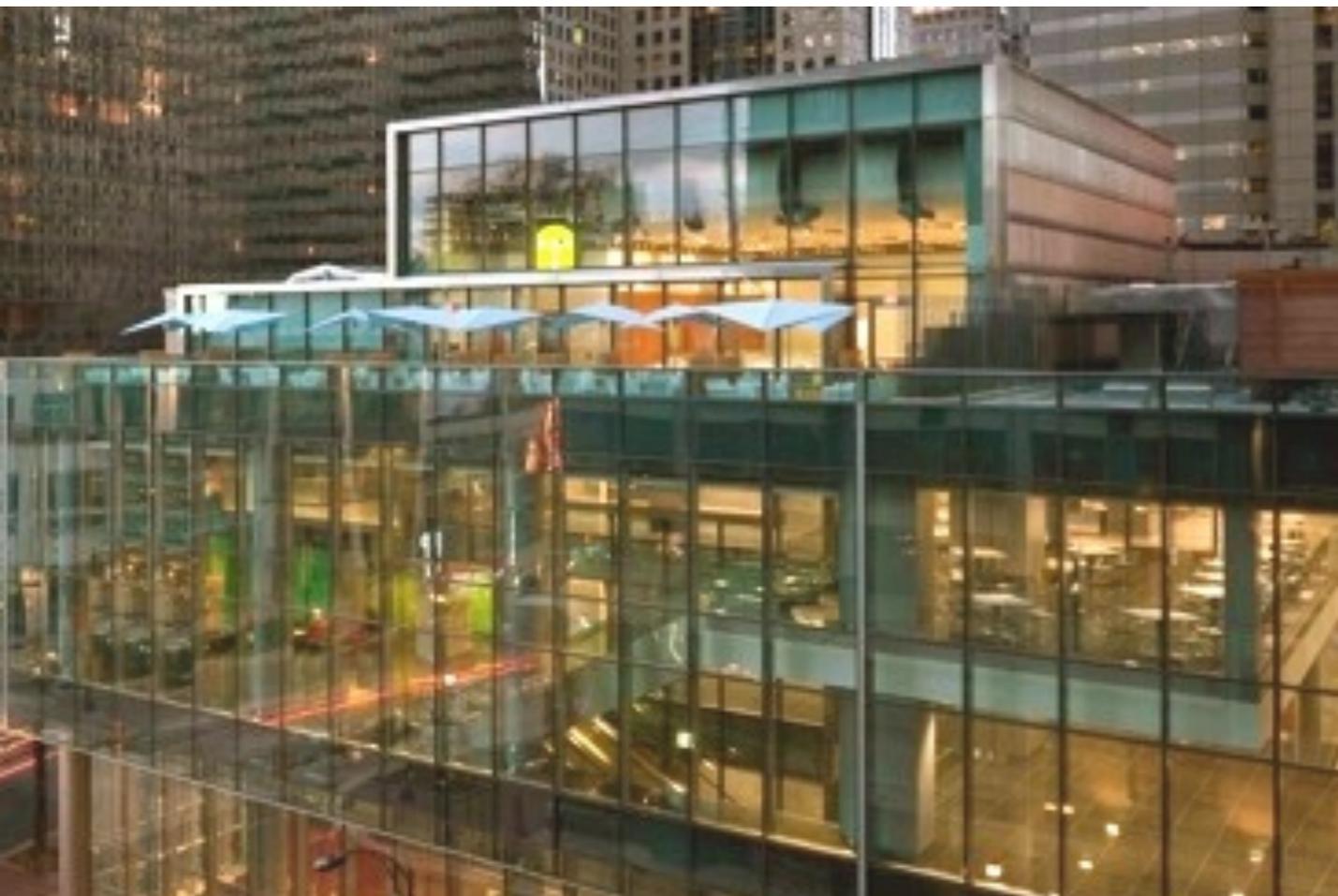
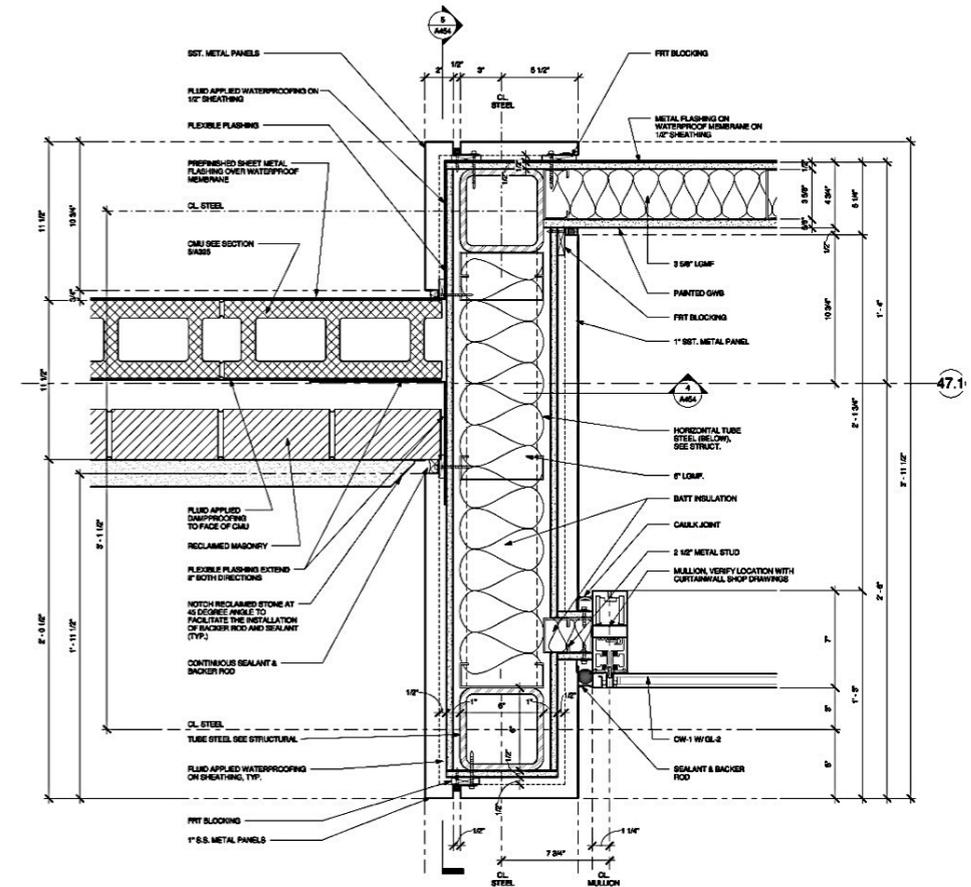
Michael D. Stephenson II, AIA

Senior Project Architect

Bank of America's LEED Gold renovation in downtown Charlotte, NC. The drawings for this phased renovation were done in a single Revit model, in which up to eight people would work at one time. I worked on detailing the building and did Construction Administration.

My detailing focus was on the skin of the building, including:

- The curtain wall and metal wall panels
- The the interface between new and existing construction
- Roofing, waterproofing and expansion joints



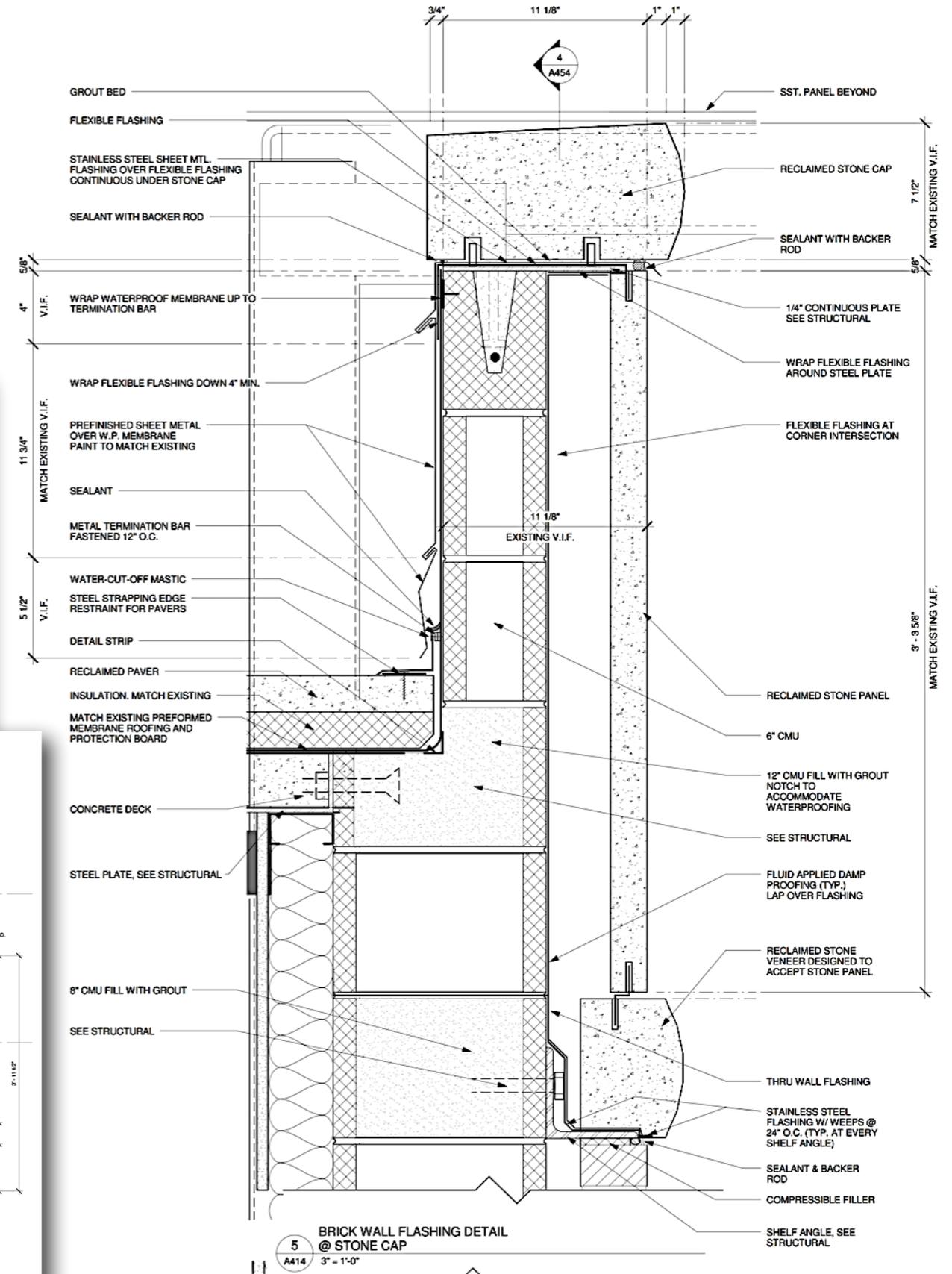
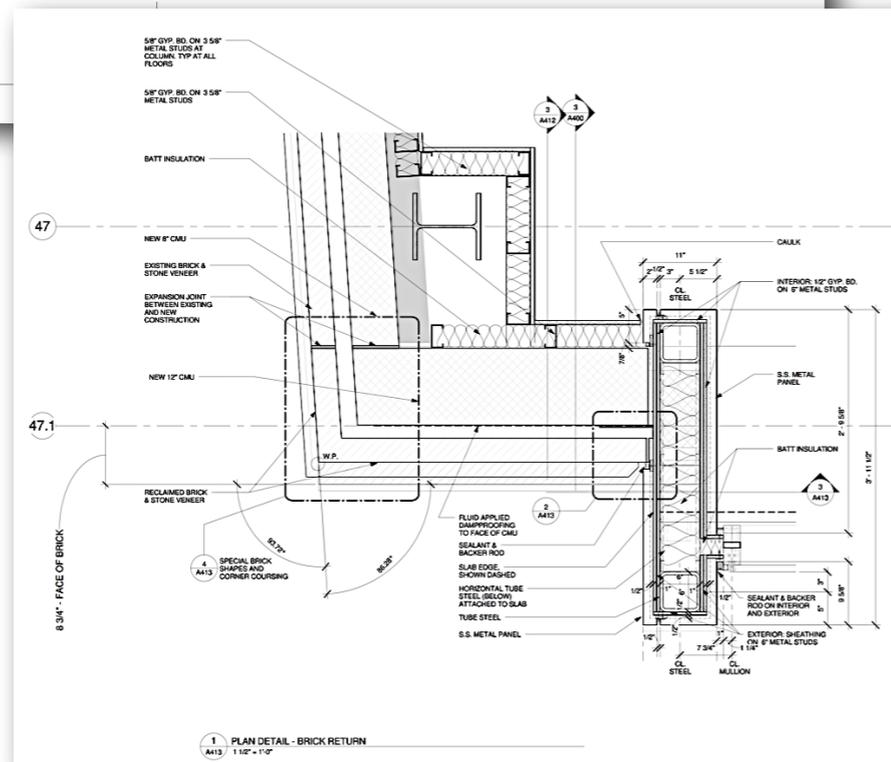
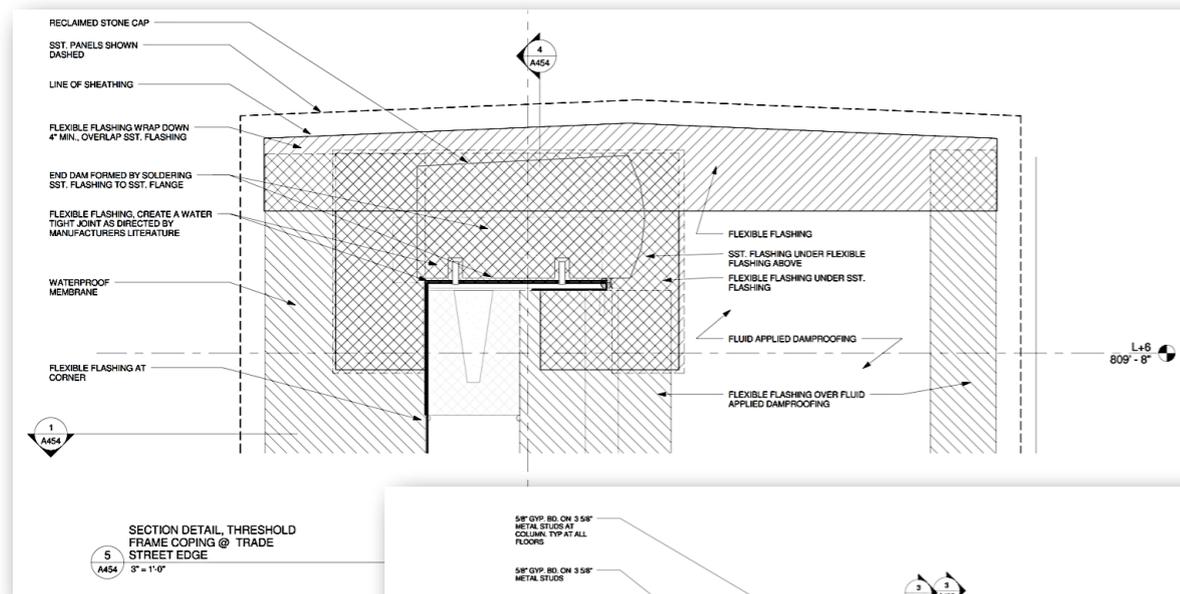
Founders Hall Renovation

Michael D. Stephenson II, AIA

Waterproofing the New to the Existing

Special attention was required wherever the new construction interfaced with the existing construction.

In addition to the practical and aesthetic concerns of the details, the watertightness of the building was a major source of concern and discussion. To insure compatibility between existing and new waterproofing membranes, all waterproofing details were coordinated with the owner's waterproofing consultants.



Founders Hall Renovation

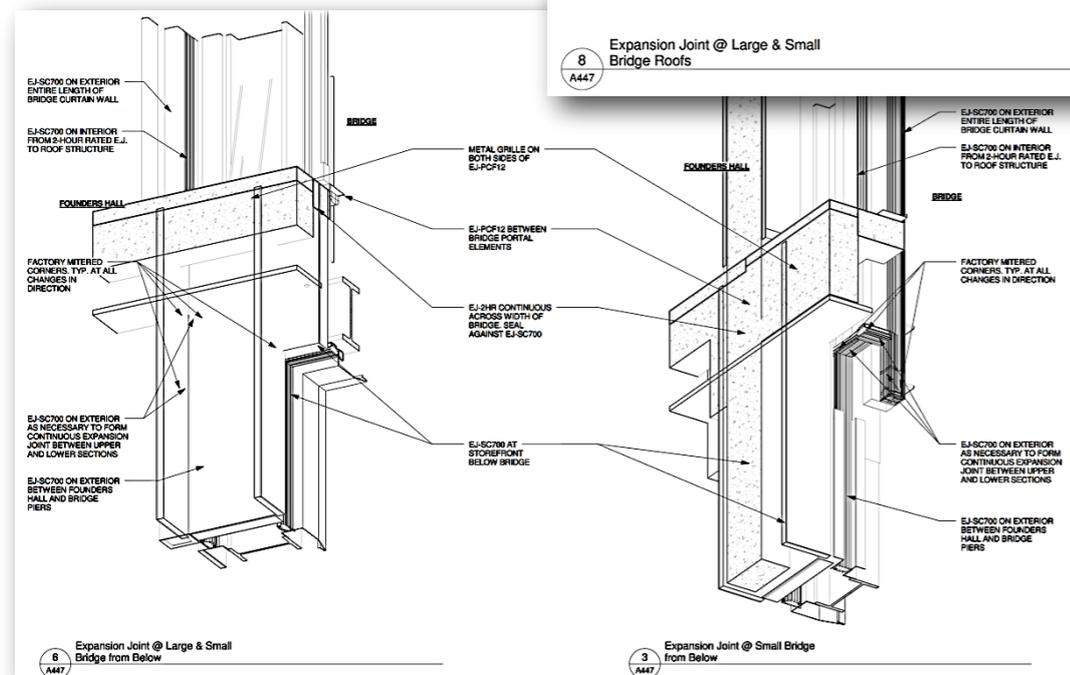
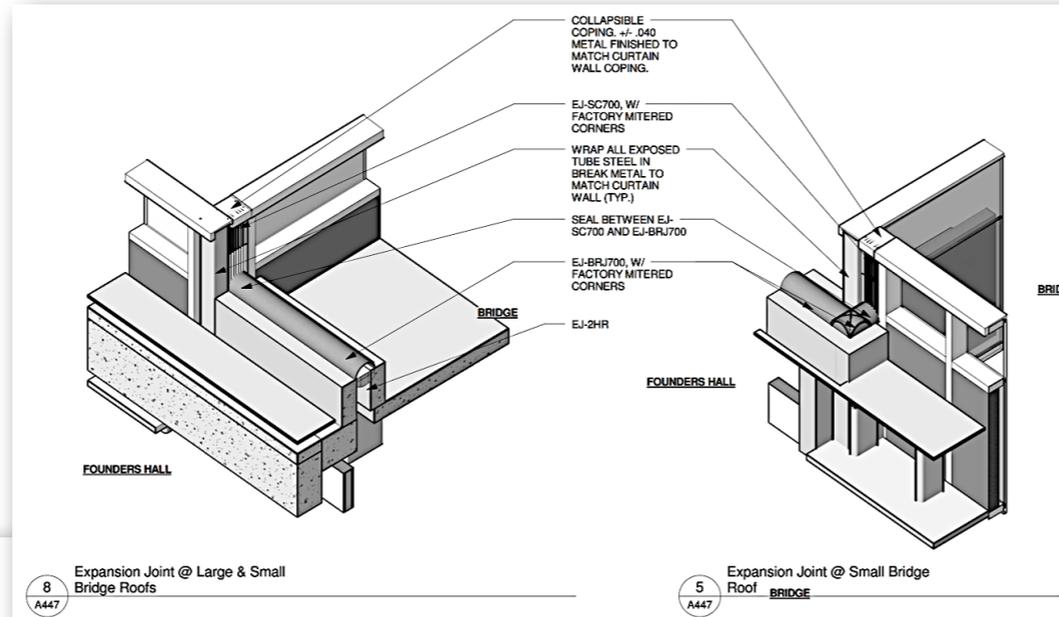
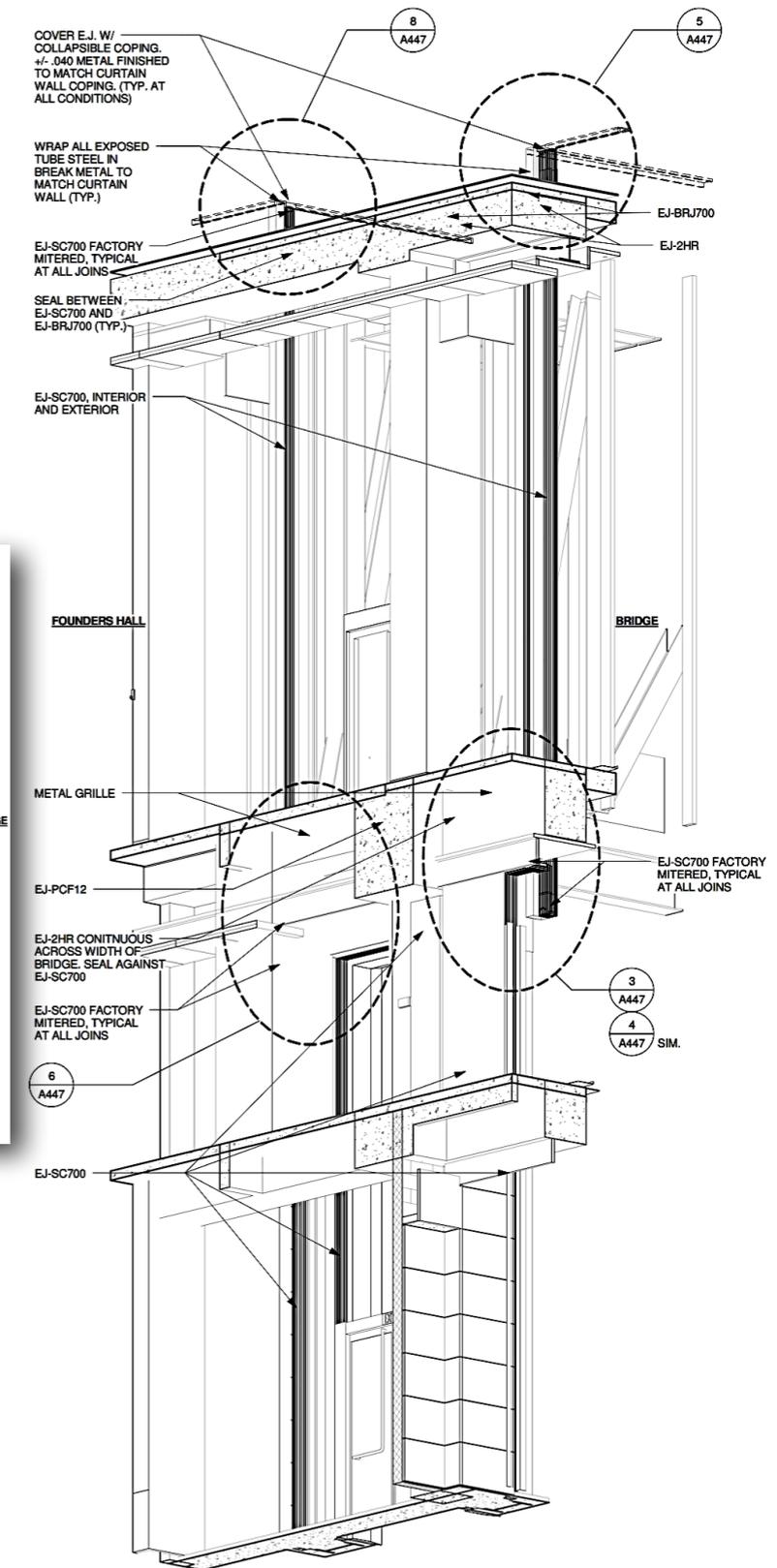
Michael D. Stephenson II, AIA

Bridge Expansion Joints

Little was responsible for designing the interface between Founders Hall (designed by Little) and a pair of new over-street pedestrian Bridges (designed by Perkins + Will). That interface is a series of complex interior and exterior 7" wide seismic/expansion joints between the two structures.

The complexity of many of the shapes required custom shop fabrications and I worked directly with the expansion joint supplier to insure a quality installation.

The Revit model was instrumental in helping everyone visualize and understand the complexities of the joints and their connections to the buildings.



1 A447 Expansion Joint Overview @ Small Bridge from Founders Hall

Founders Hall Renovation

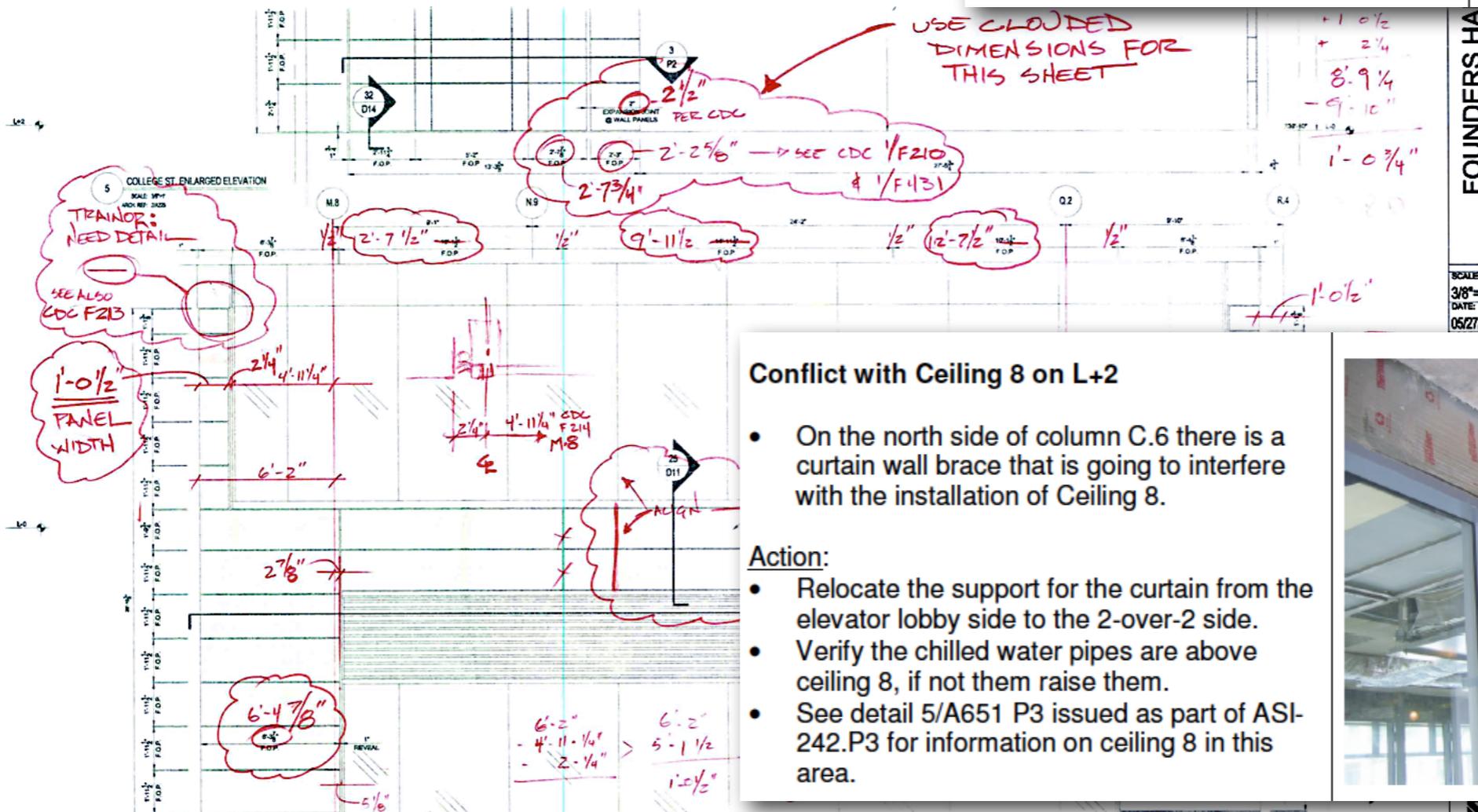
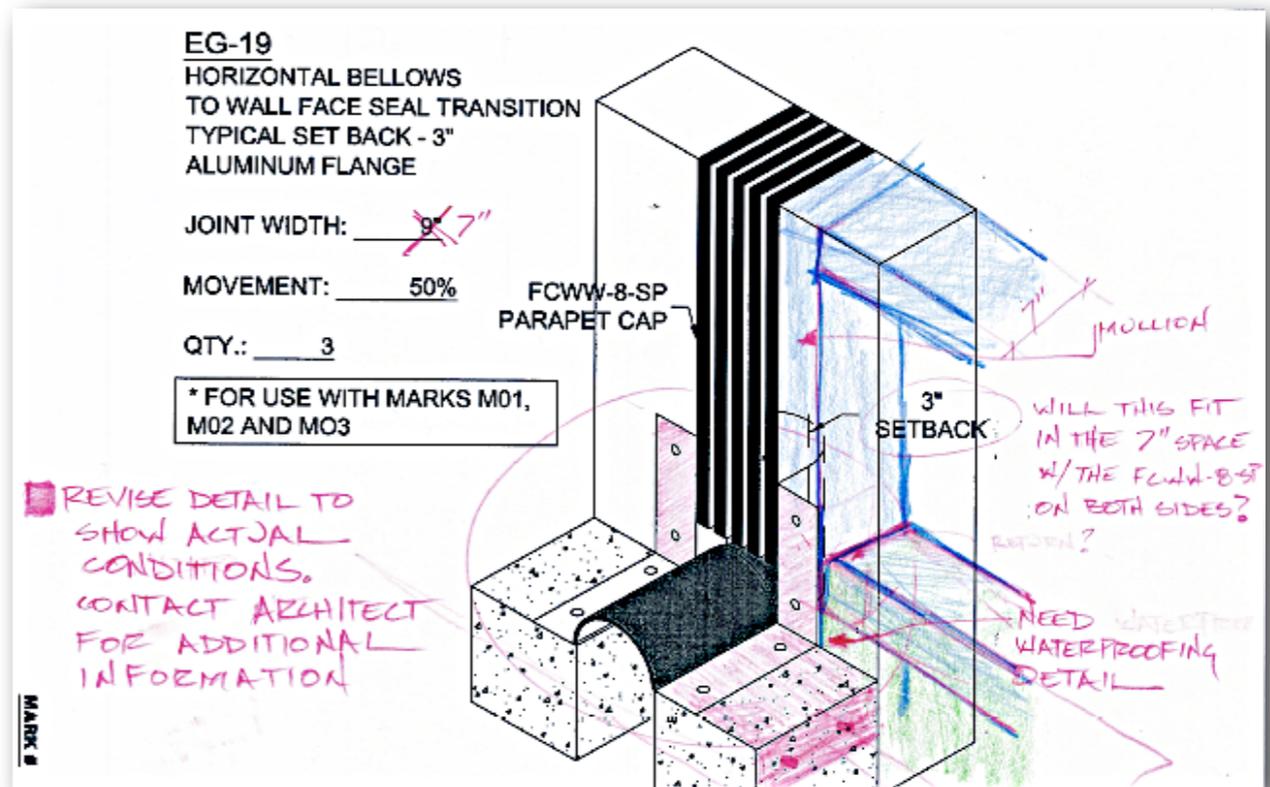
Michael D. Stephenson II, AIA

Construction Administration

During the Construction Administration phase of this renovation project, I worked closely with the Owner, Bank of America and the Contractor, Balfour Beatty.

Responsibilities included:

- Reviewing and Approving PayApp's
- Responding to RFI's
- Issuing ASI's and CCD's
- Shop Drawing Review
- Weekly Meetings
- Weekly Progress Reports



Conflict with Ceiling 8 on L+2

- On the north side of column C.6 there is a curtain wall brace that is going to interfere with the installation of Ceiling 8.

Action:

- Relocate the support for the curtain from the elevator lobby side to the 2-over-2 side.
- Verify the chilled water pipes are above ceiling 8, if not them raise them.
- See detail 5/A651 P3 issued as part of ASI-242.P3 for information on ceiling 8 in this area.



Founders Hall Renovation

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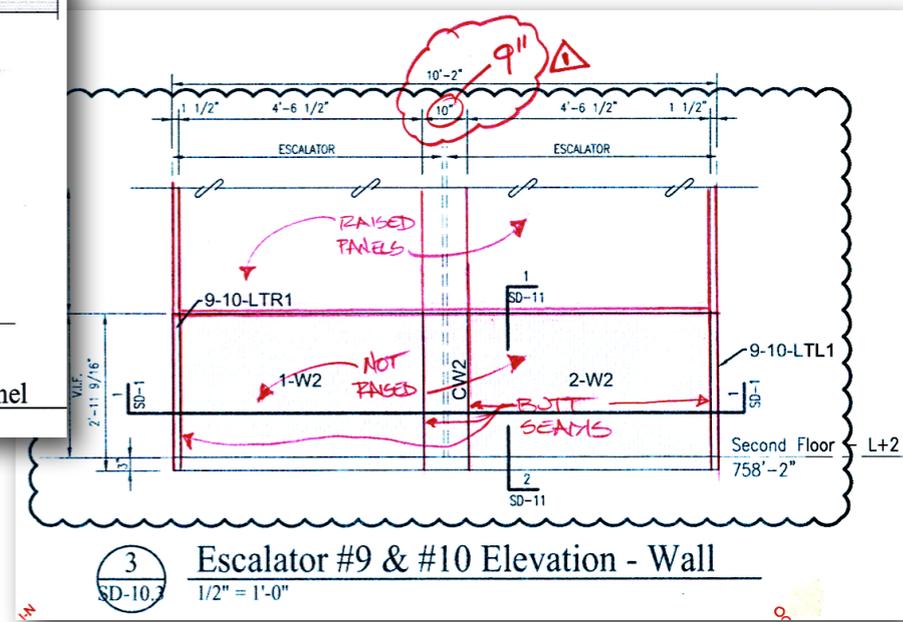
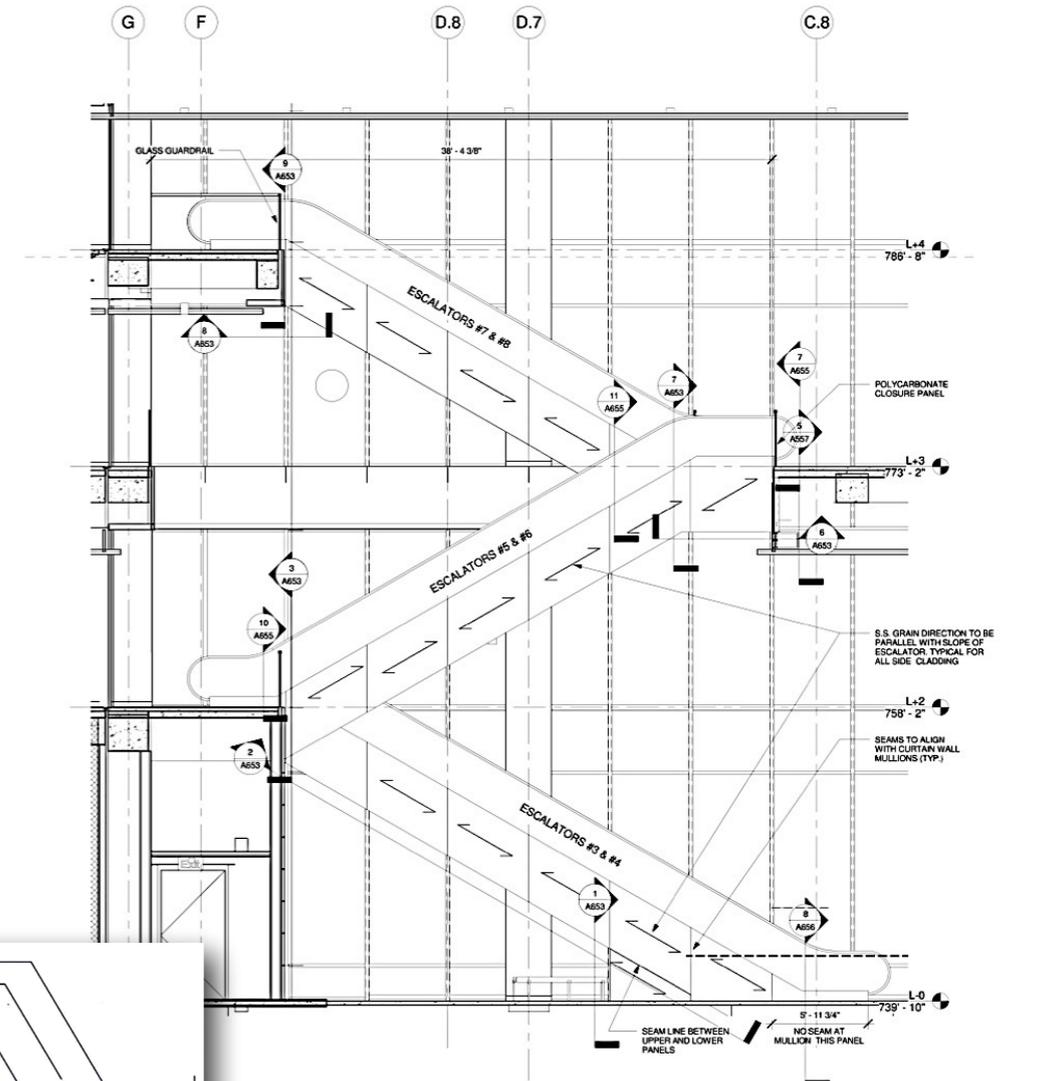
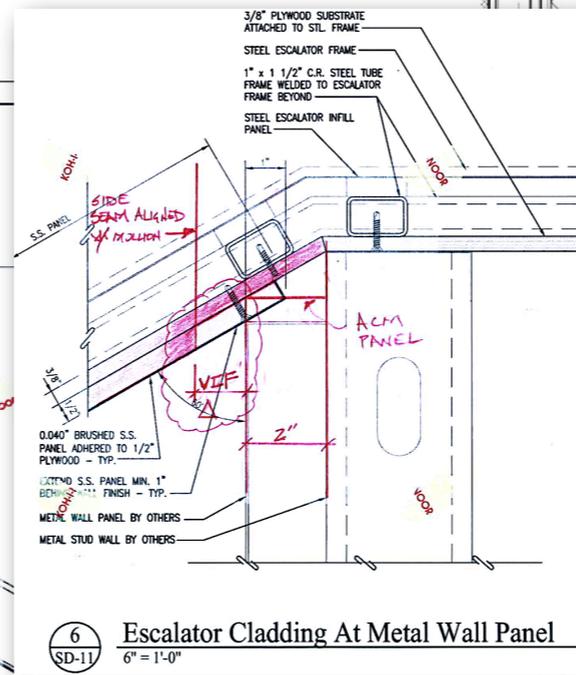
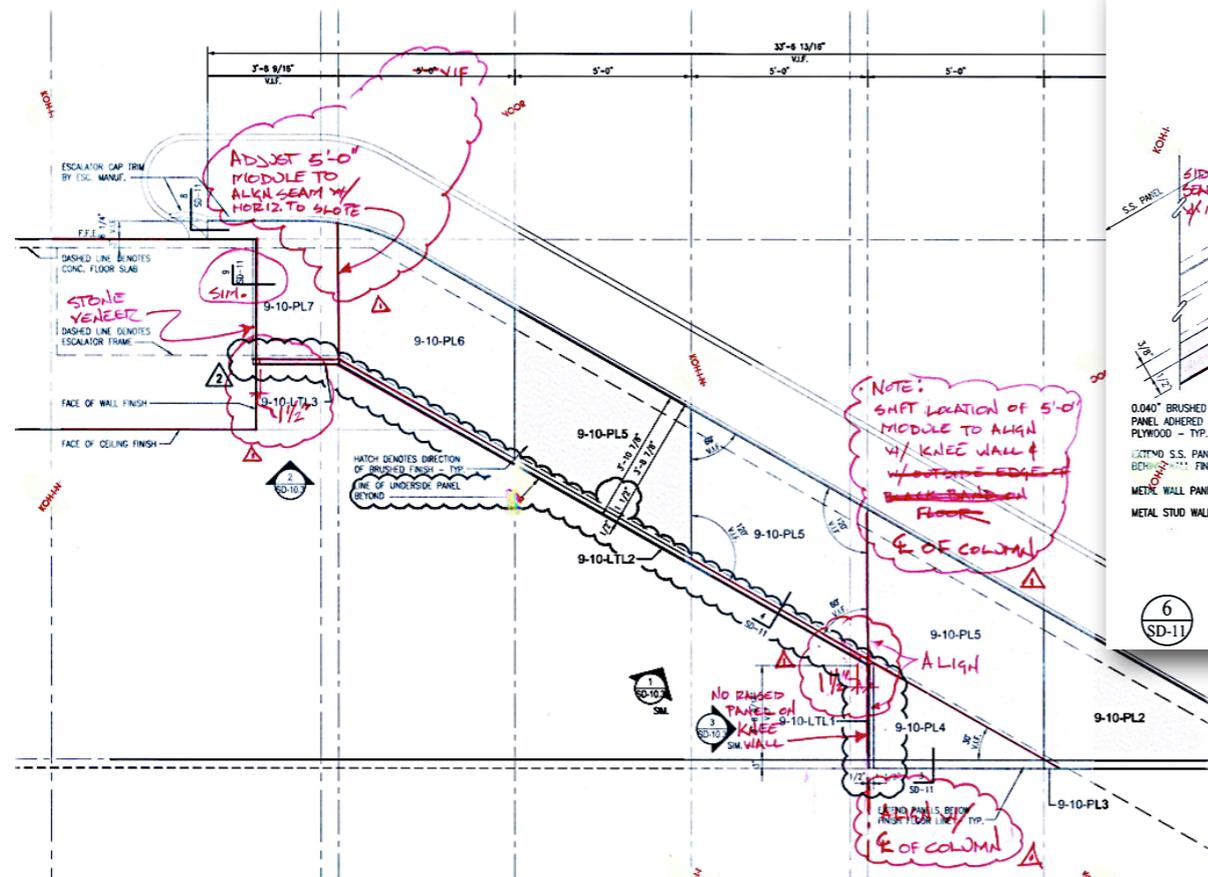
Construction Administration - Escalator Cladding

Due to the fast-track nature of this project, the CD's were out to bid before the escalators could be properly detailed, so their design was addressed with the contractor in the field. Much of the detailing was finalized during the shop drawing process.

The Founders Hall parti is based on a 5'-0" grid and everything aligned with that grid. The Stainless Steel Cladding for the Escalators in the Founders Hall addition as well as the existing Atrium would be no exception.

A special challenge was presented by the 7'-6" grid of the existing Atrium. I was able to align the 5'-0" grid of the addition with the existing grid of the Atrium resulting in improved visual connection between the new and existing grids.

Working directly with the cladding fabricator and installer, Poehler Enterprises, we were able to create a design that satisfied the dimensional constraints of the Stainless Steel as well as the practical considerations of having to do a precision installation in a very limited working space.



Perimeter Woods

Michael D. Stephenson II, AIA

Project Management and Tenant Coordination

Located in Charlotte, NC, Perimeter Woods is a retail development with a complex massing and skin system. In order to fuse the tenant's design intent documents with those used for construction, a combination of Revit and AutoCAD platforms were utilized.

Responsibilities included:

- Construction Documents and Specifications
- Coordination with the Owner, Engineers, Tenants and Tenant Architects
- Permitting the shell and assisting the Tenant Architects with their upfit permitting.



Perimeter Woods

Michael D. Stephenson II, AIA

Small Shops

Located on one of the Perimeter Woods out parcels, I designed this four tenant building taking design queues from the primary retail buildings.

Visible from all four sides, care was taken to integrate the downspouts and utilities into the composition of the building.

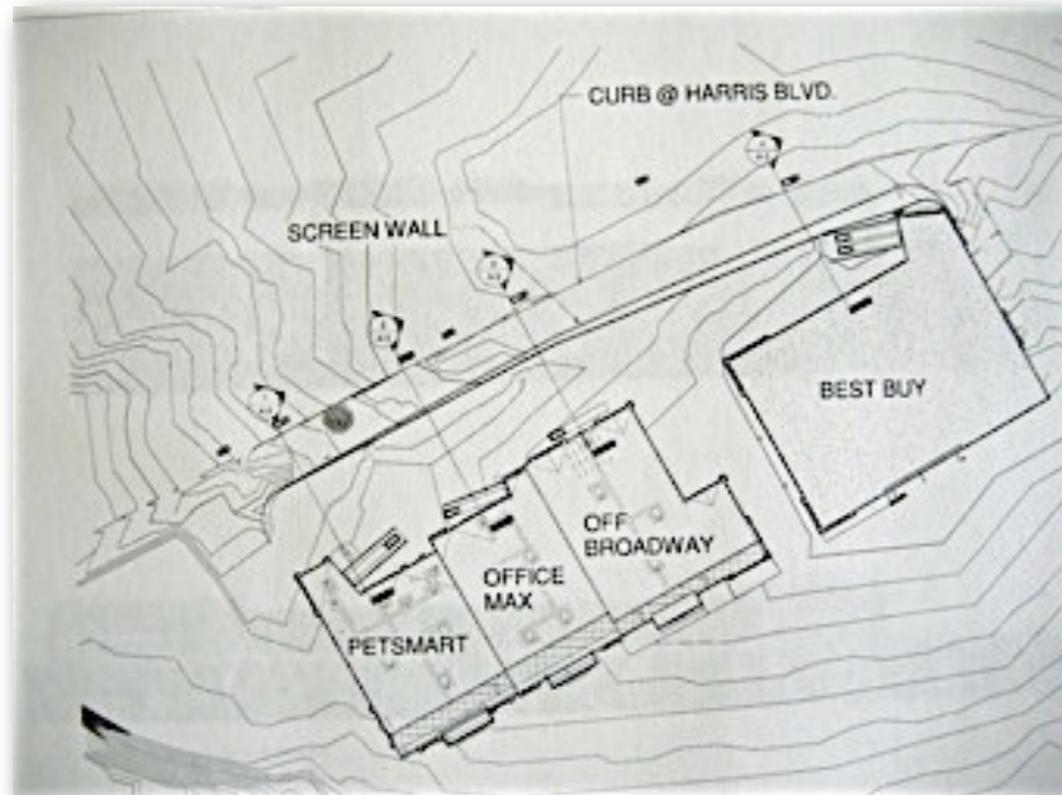


Perimeter Woods

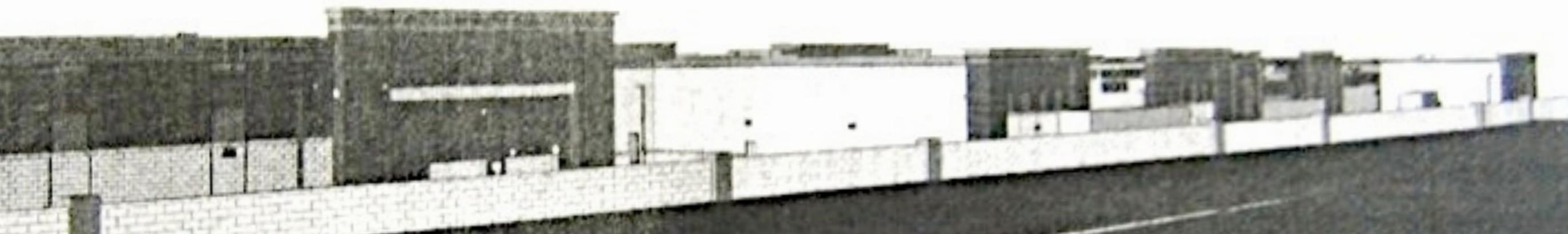
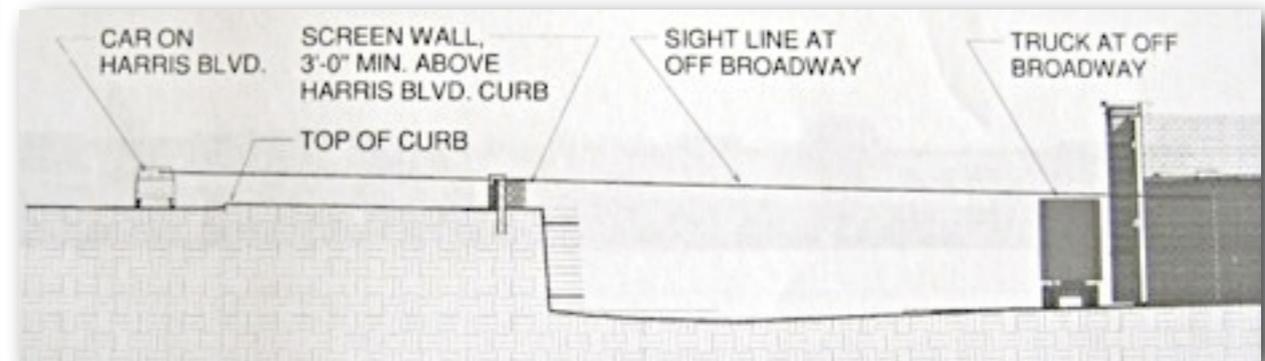
Michael D. Stephenson II, AIA

Revit Sign Study

With the shopping center being below street level and partially hidden behind a tall brick wall, one of the tenants was concerned that their sign on the back of the store would not be visible from the primary street - and this was a potential deal killer. Complicating matters was that City Zoning would not allow trucks parked at the loading docks to be visible from the main thoroughfare.



We studied these concerns by constructing a 3-D topo map in Revit and linking in the 3-D Revit building models. Using the model we were able to establish a wall height that satisfied both the tenants signage needs and the city's screening requirements.



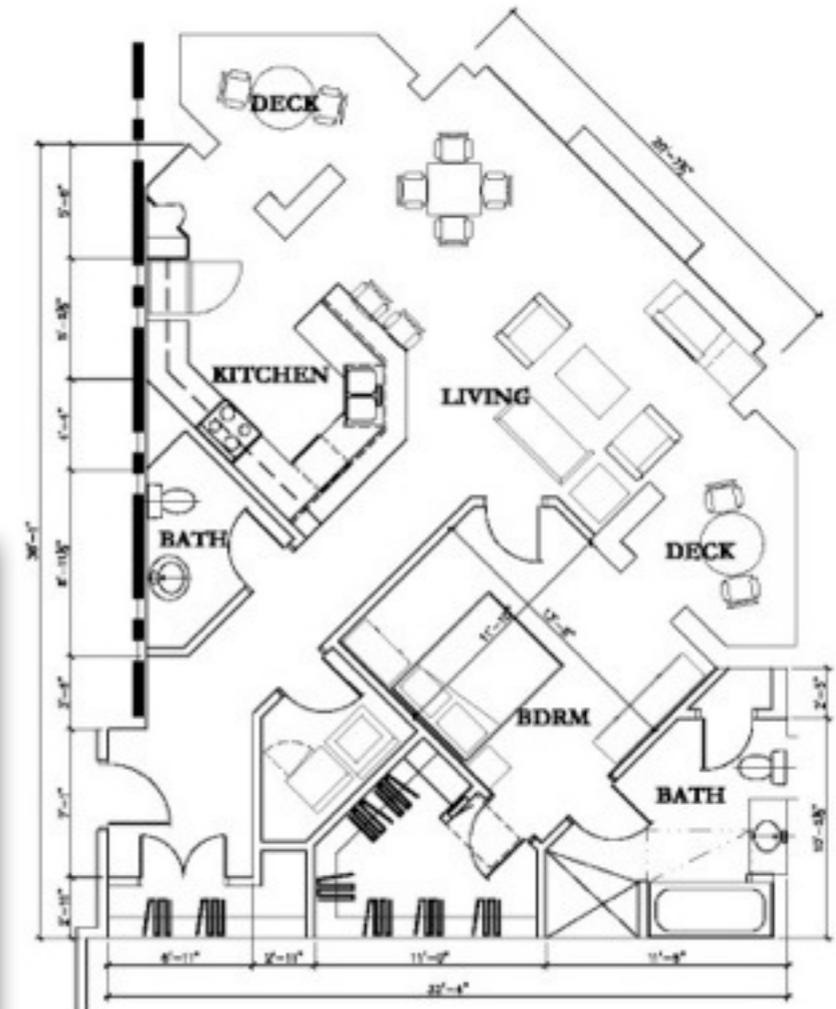
Morrison Place Condos

Michael D. Stephenson II, AIA

Mixed Use Design

I was part of the team that designed the Morrison Place Mixed-Use facility in Charlotte's Southpark area.

I worked with the developer to design the Condo layouts and to specify the cabinetry, appliances and fixtures.



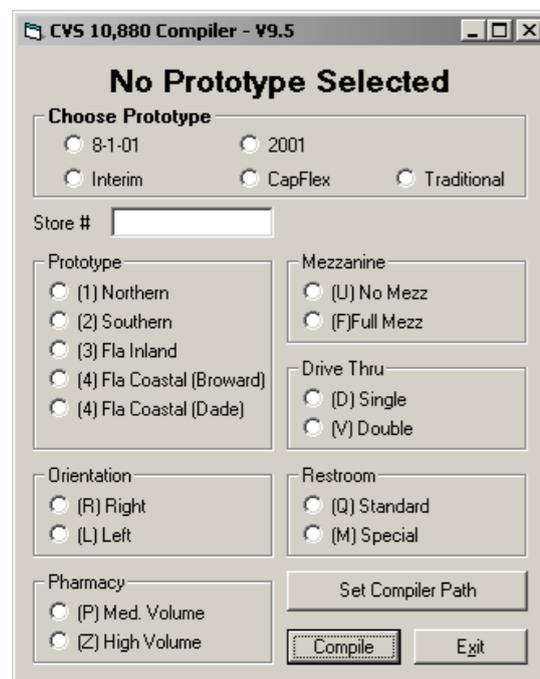
The Compilers

Automating Prototype Construction Documents

One of our clients, CVS, had been using a “Kit of Parts” approach to provide for variations in their prototype drawings. While providing the desired product, creating a set of construction documents was a manual and time consuming page-by-page process.

I led a team that took their manual process and automated it. We eventually evolved it into a highly flexible and efficient system with which our clients could quickly roll-out semi-customized prototype buildings. We used this process for close to 1,000 projects.

We start with an “uncompiled” prototype set that contains all of the options and their permutations. The desired options are then kept while the unnecessary ones are deleted, creating a “compiled” set. This was then sent to the architect of record for adaptation to the site.



This format was used for all aspects of the construction documents, from plans, sections and details and for all disciplines (Architectural, Structural and MEP).

To facilitate the back-end maintenance, a host of tools were developed to quickly and easily manipulate the uncompiled drawings.

All Compiler programs were programmed in Visual Basic for Applications (VBA) within AutoCAD by a small group of people within Little, of which I was one of the primary client contacts, the interface designer and primary VBA programmer.

The Black Box Compiler

Michael Stephenson II, Architect

The User Programable Compiler

Winner of the 2003 Charlotte Chamber of Commerce “Blue Diamond” Award for Information Technology

In response to the need to quickly respond to the client’s need for additions and deletions of Prototype Options, this flexible and easily modified Compiler program, dubbed “The Black Box”, was created.

By using just a few basic rules, it allows the end users to create custom compilers on-the-fly.

Project name used to create directory and to modify the names of the drawing files.

User inputs the requested options for the building the building to be compiled.

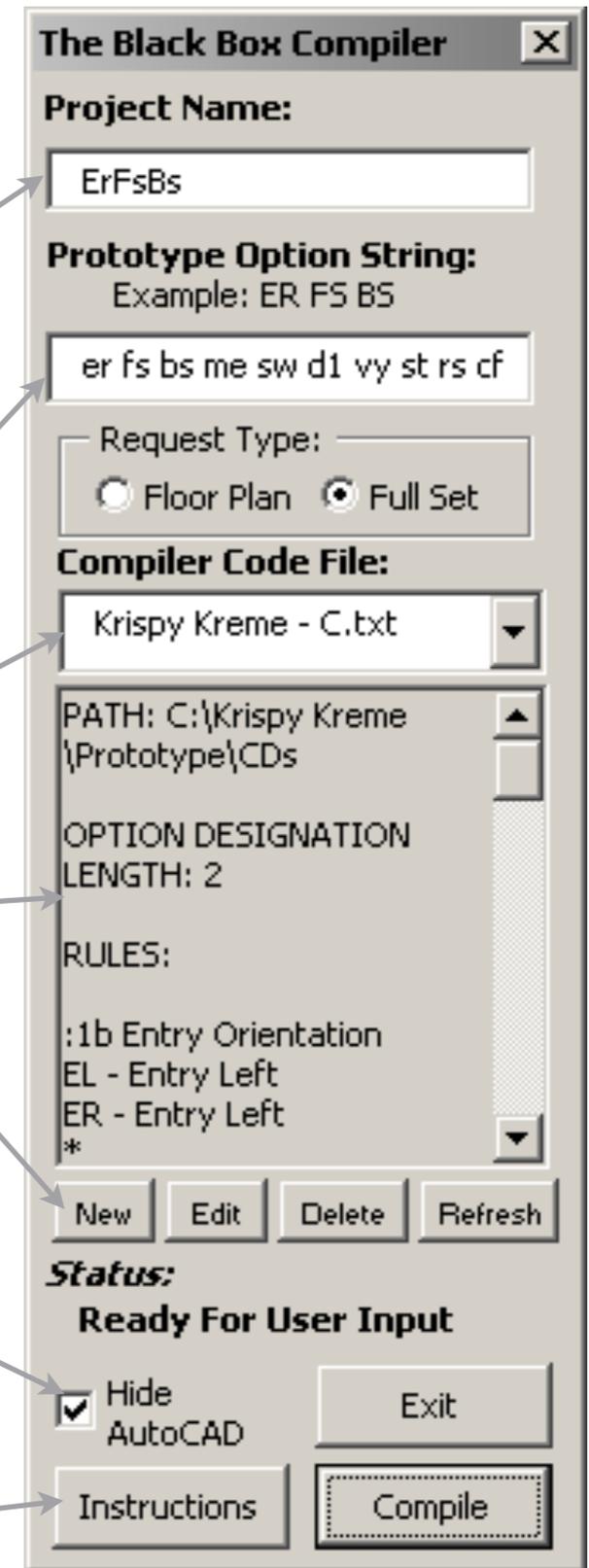
User generated “Code” created and stored in a .txt (text) file.

Window shows contents of the “Code” for users reference.

Editing tools.

Switch for showing AutoCAD during the compiling process - used to show clients how the process works.

Detailed instructions for using the software.



Compiler Philosophy

Michael Stephenson II, Architect

Prototype as “Kit of Parts”

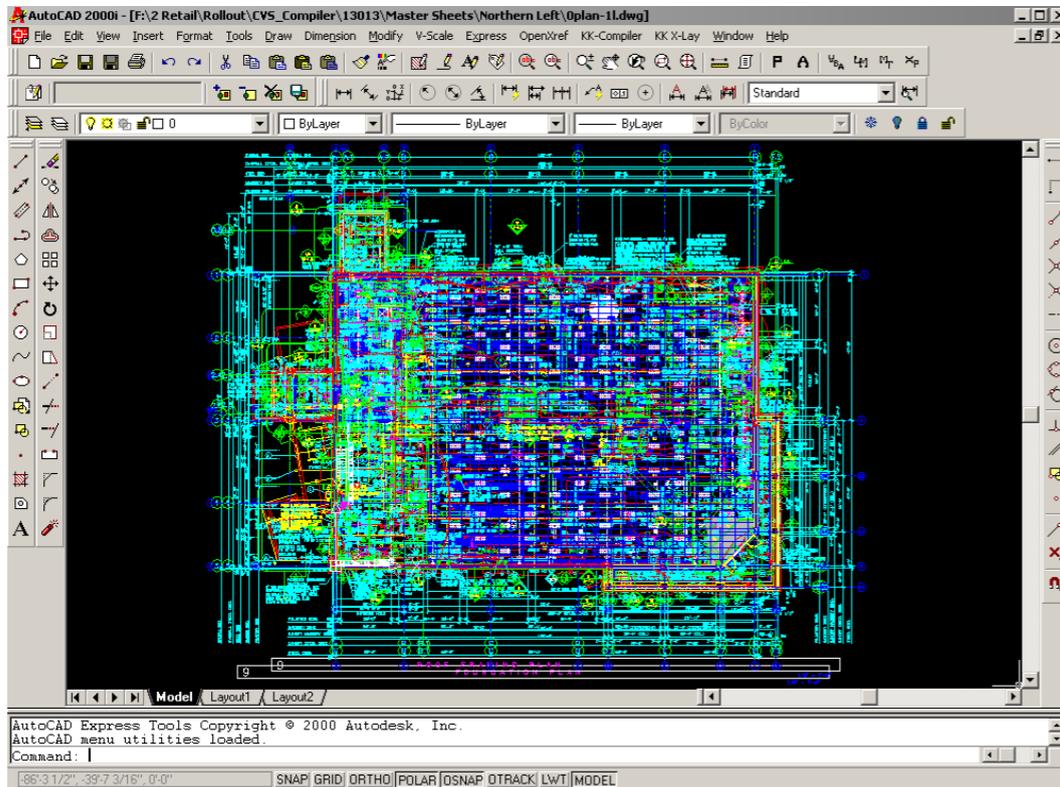
Client driven requirements required different compiler approaches:

Client A

Emphasis: Self Contained Pieces for ease of placement in custom plan configurations.

Trade-off: Static Footprint w/ few Shell Material Options

- All information for all disciplines in Baseplan Complex layering matrix
- Quick coordination & QC of disciplines
- Site adapt teams require thorough training in methodology

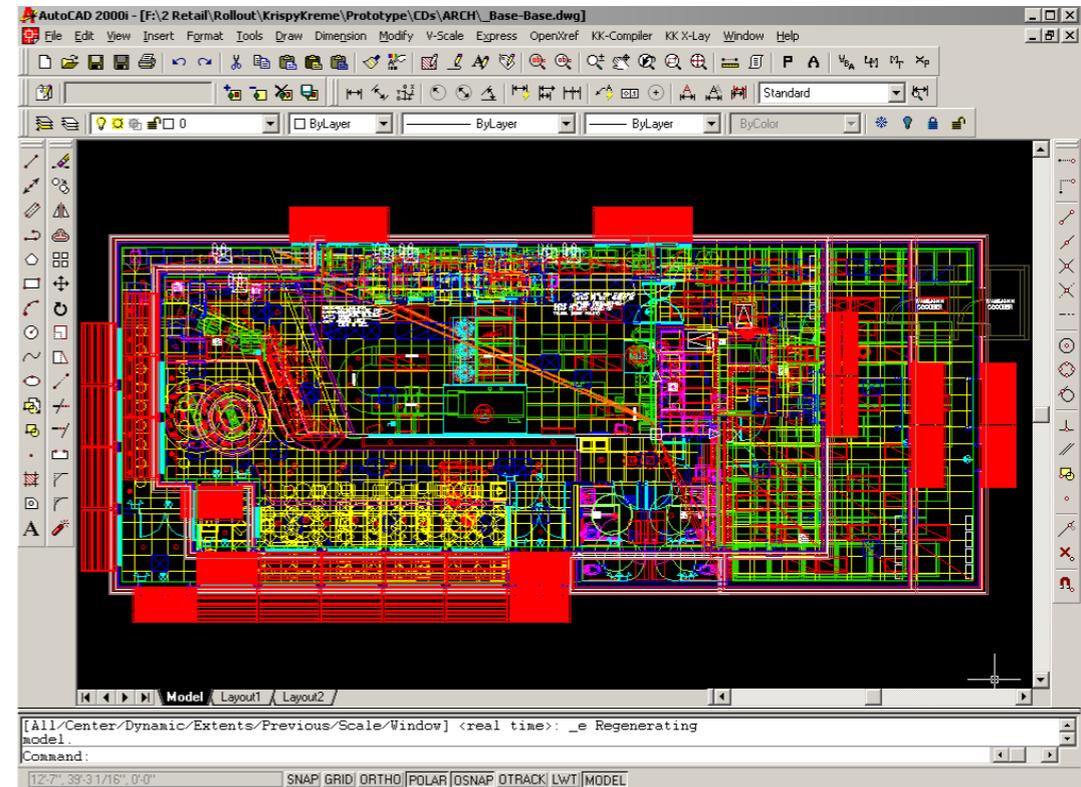


Client B

Emphasis: Dynamic Footprint w/ many Shell Material Options

Trade-off: Few Self Contained Pieces

- Only information shared between disciplines is in Baseplan
- Simplified layering matrix
- Harder to coordinate & QC disciplines
- Site adapt teams require minimal training in methodology

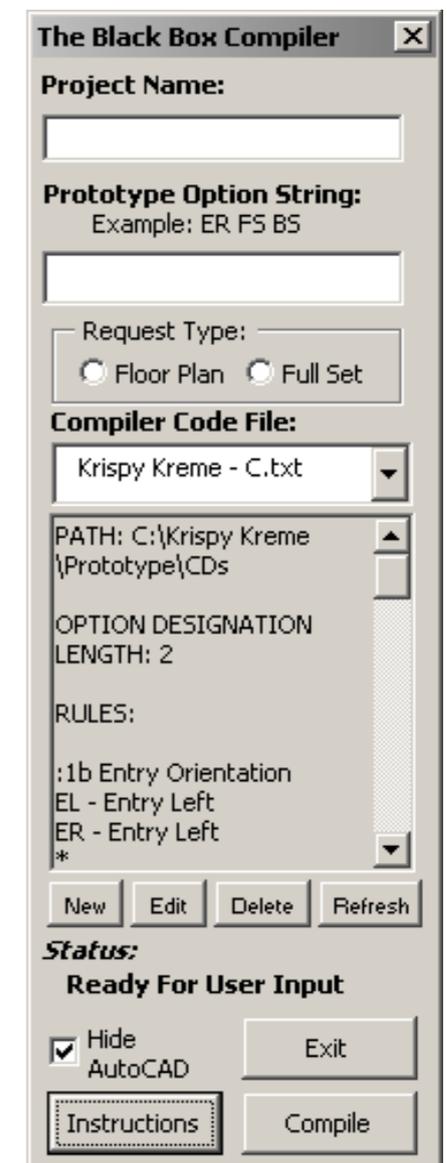
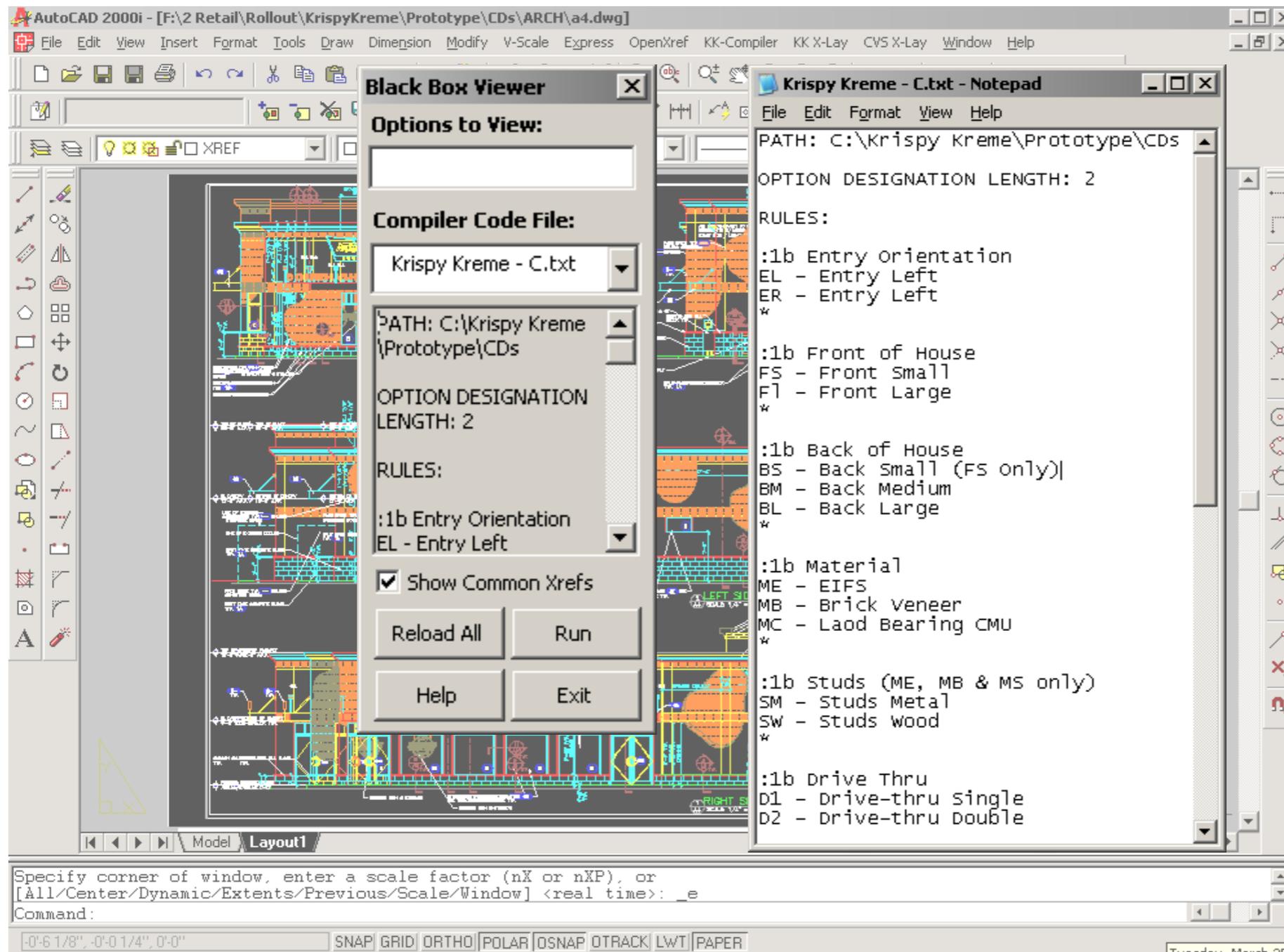


Compiler Management

Michael Stephenson II, Architect

Support Tools

A suite of management tools were developed to help the team work on the complex compiler drawings. Among the tools were custom programs that allowed the team to quickly toggle through the different combinations to verify that all the drawings were coordinated.



Prototype Requests

Michael Stephenson II, Architect

Ordering Prototypes Over The Web

STORE DEVELOPMENT PROCESS
STEP 3: THE COMPILER

(* - denotes required information)

Store Information:

* Request Type: Floor Plan (\$125 USD) Full Set (\$500 USD)

* Store Number:

* Store Location:

* Divisional Mgr: Choose One

Building Summary:

	BACK OF HOUSE	CANOPY
S/F	4,141 s/f	2-3
BLDG Dims	97'-3" X 42'-7"	Retail 99'-8" Wf
FRONT OF HOUSE	Pallet Pos 8	Dock 15'-4" Wf
Pos	Total Pallets 16-24	Total 115'-0" Wf
Seating	42 Seats, 9 Stools	

Building Options:

Entry Orientation: Left Right

* **Front Of House:** Small Large

* **Back Of House:** Small Medium Large

* **Shell Material:** EIFS Brick CMU

* **Studs:** Metal Woods

* **Drive Thru:** Single Double

* **Vestibule:** No Yes

* **Seating:** Tables & Chairs Only Tables/Chairs & Booths Tables/Chairs & Banquette Tables/Chairs & Booths & Banquette

* **Canopy:** Front: Short Long Side: Short Long

* **Restroom:** Single Multiple

* **Break Room:** Front Of House Back Of House

Contact Information:

* Name: * Firm:
* Organization: * Address:
* Work Phone: * City:
* E-mail: * State:
* Zip:

Special Instructions:

Submit Reset

Problems? Contact: John Quinn - (704) 561-4562
jquinn@litleonline.com
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Revised: March 12, 2003

Prototype Request Form - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail News RSS Address Go

Links Access.littlearch.com KK Bricnet BSTI Rennlist CG Forum WSJ Charlotte.com CompilerProcess

8-1-01 Aug. 1, 2001 Prototype. Includes CapFlex Pharmacy, Spec Book, revised Canopy without hip roof and without corner column, revised roof structure with single slope to rear of the building (no bump-up at mezzanine), revised interior column layout (3 interior columns instead of 4). Other than the columns, the interior is identical to the 2001 Prototype.

2001 Feb. 1, 2001 Prototype. Includes the CapFlex Pharmacy. Walk in Cooler located up front. Both drive thru conditions are available. Restroom located at the rear of the building.

Interim Interim Floor plan with Photolab and SOA upfront, similar to the 10125. Includes the CapFlex Pharmacy. Single Lane drive thru is not available. Walk-in Cooler at rear of the building. Restrooms located on the side wall. NOTE: This Prototype does not include the latest Spec. Updates.

Cap-Flex New Pharmacy Layout w/ roll down shutters, 10" tube systems, and flat drive-thru window, Single Lane drive thru is not available. Walk-in Cooler located at the rear of the building. Restrooms and Photolab located on the side wall. NOTE: This Prototype does not include the latest Spec. Updates.

Traditional Traditional Pharmacy layouts with grille track and protruding drive-thru window. Same Pharmacies as used in the 10125's. NOTE: This Prototype does not include the latest Spec. Updates.

Building Options:

Version: Northern Southern Chicago Florida Inland Florida Broward Florida Dade

Storage: No Mezzanine Full Mezzanine

Drive Thru: Single Lane (2001 and 8-1-01 only) Double Lane

Entry Orientation: Left Right

Plumbing: Prototype Plumbing Fixture (Region Specific)

Pharmacy: Med. Volume High Volume

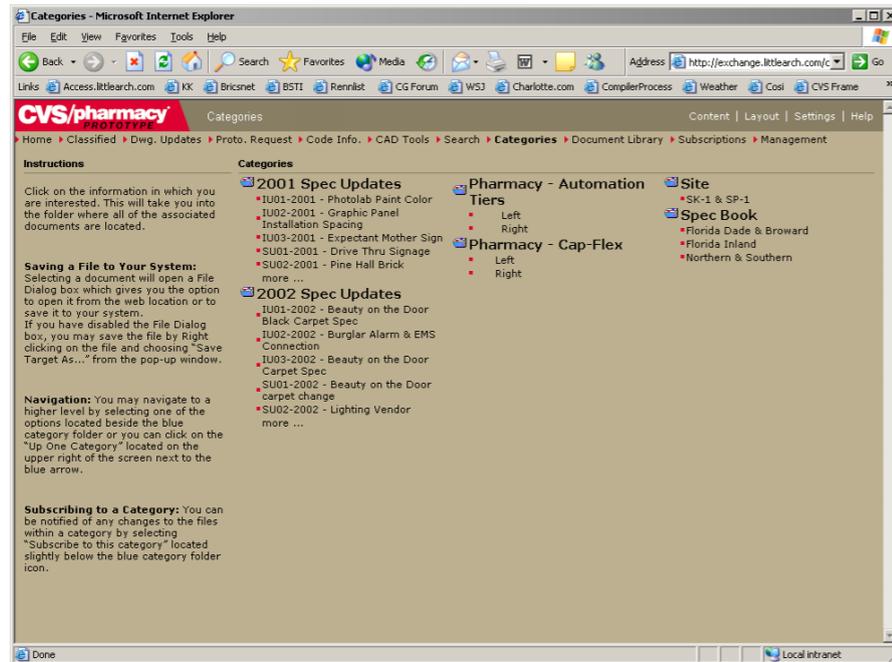
Special Instructions:

Done Internet

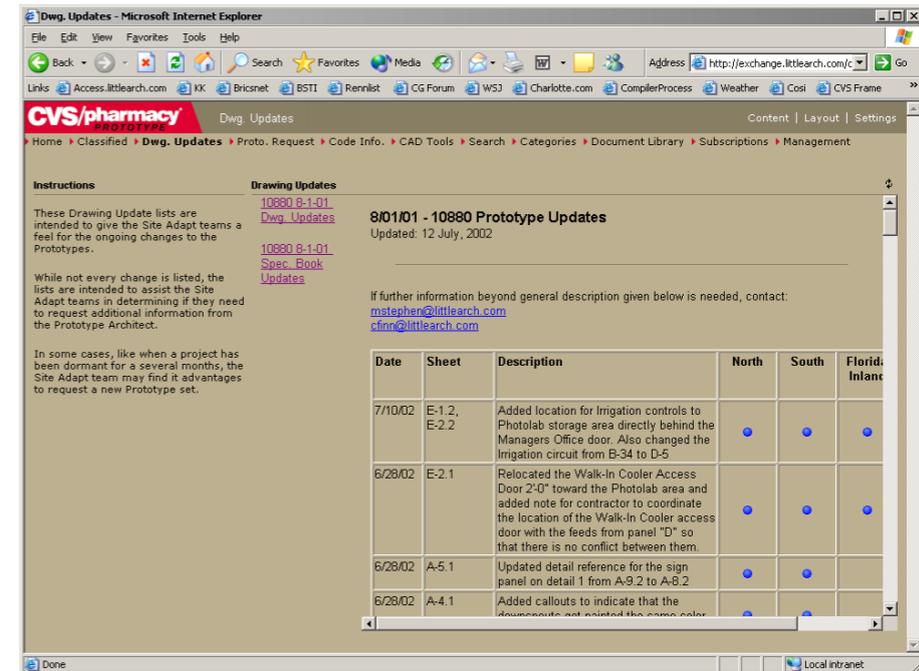
Prototype Support

Michael Stephenson II, Architect

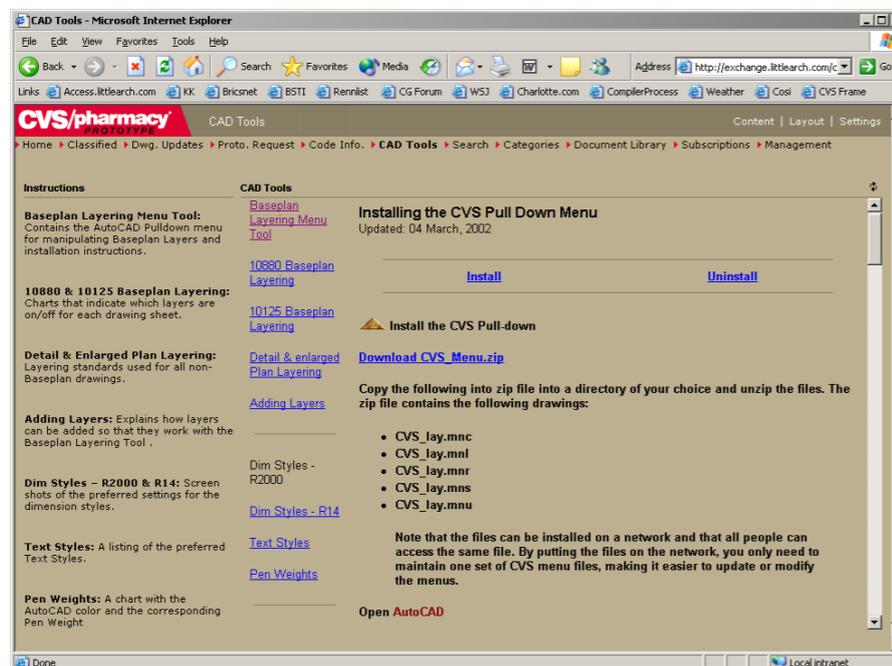
Prototype Web Support



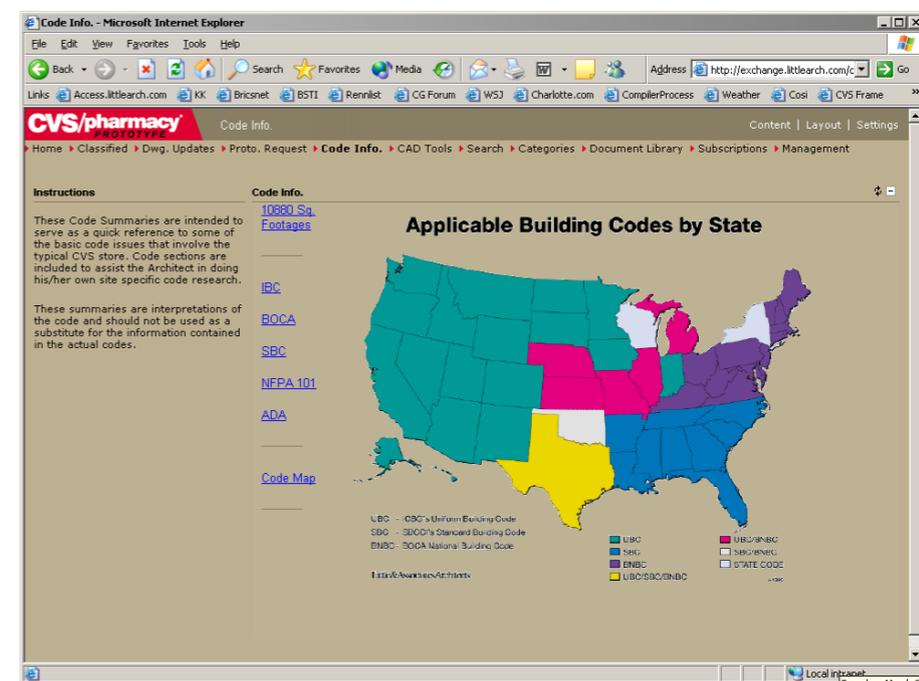
Drawing Updates



Prototype Update Log



CAD Tools



Code Information

Apps for the Construction Industry

www.AppsToKnow.com

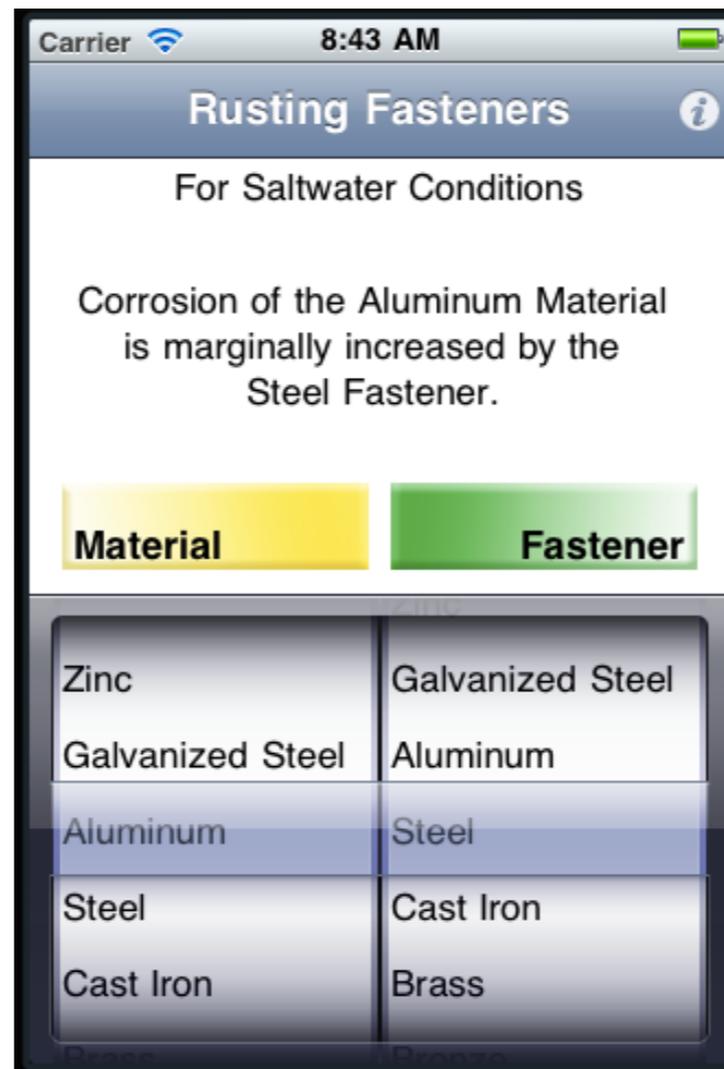
Having come to rely on iPhone applications while doing CA on Founders Hall, I started looking for more Apps that would help me in building quality architecture.

I found several Architecture/Construction Apps that were very good, but there was often nothing available for many of my needs.

As a result, AppsToKnow was created to provide information based Apps for the building professional.

Rusting Fasteners

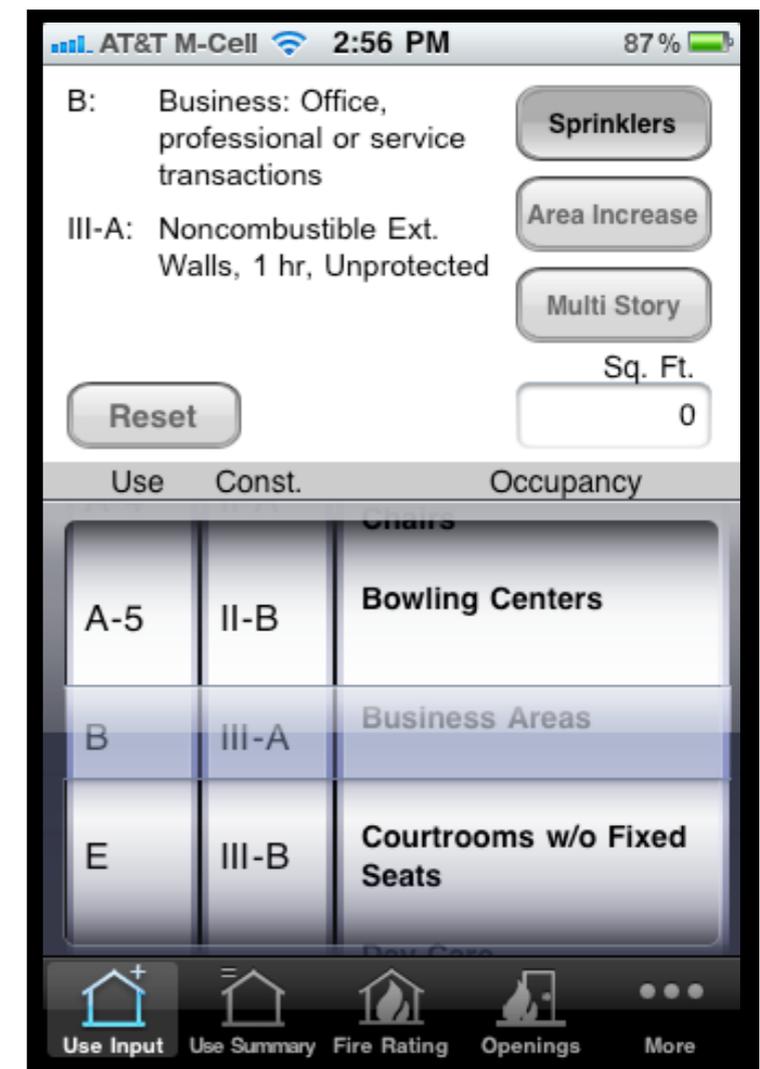
Displays potential for rust for different combinations of materials as derived from standard Galvanic Action tables.



Available in the iTunes Store

BldgDecoder

Calculates baseline Construction, Use and Occupancy requirements based on simple user input. Calculations and code references are included to make it easy to continue with your code research.



Available in the iTunes Store

Data Center Prototype

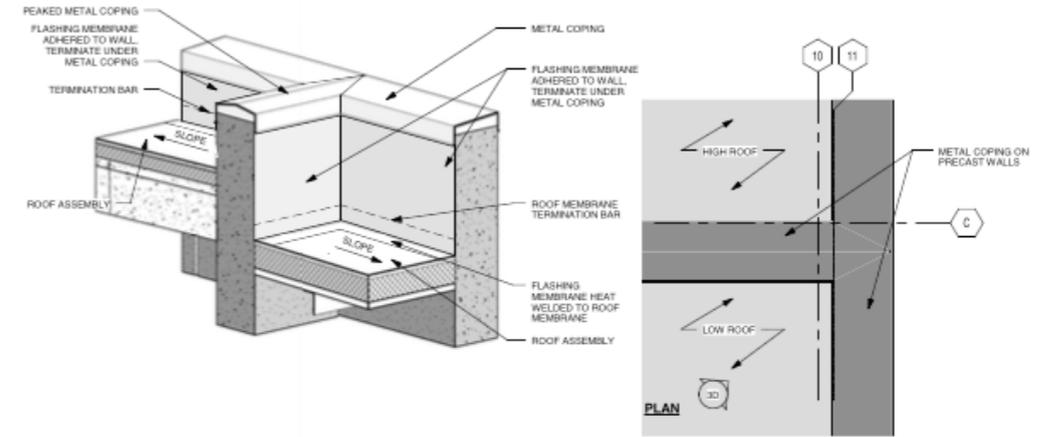
Michael D. Stephenson II, AIA

3D Detailing

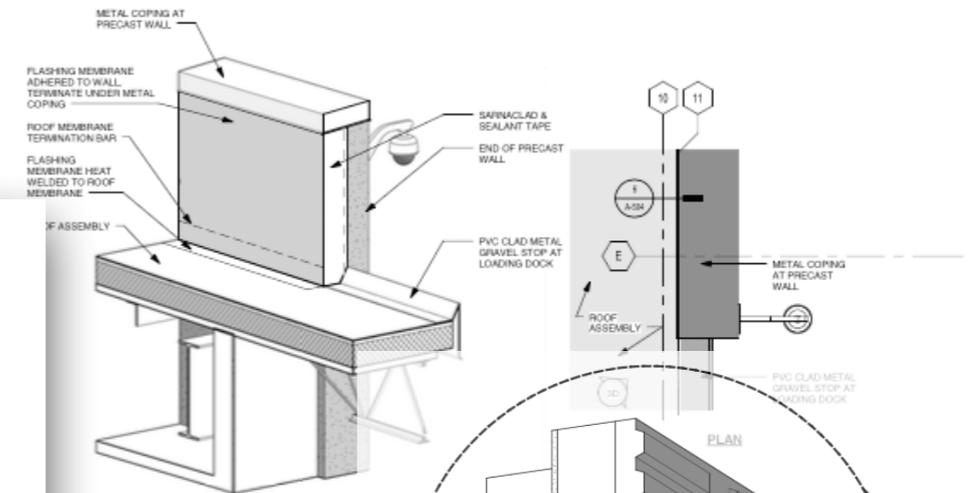
Sometimes 3-D is the best way to show the intent of an idea. Revit has never been great for producing 3-D working drawings, but our team developed a way that we could show meaningful content in 3-D.

In addition to having to read well as details, the 3-D views also had to be able to survive the process of mirroring a project in Revit.

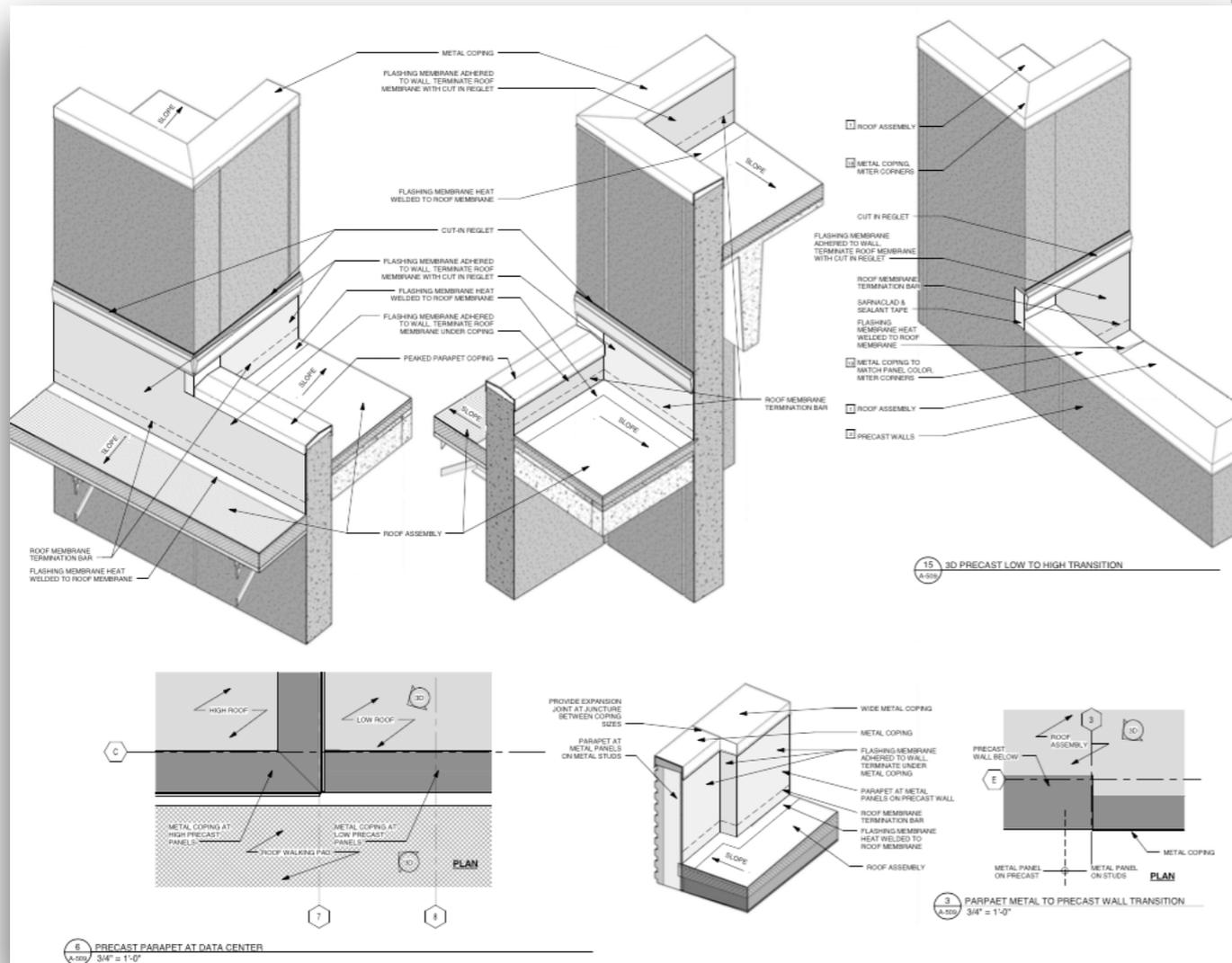
Once the Owner saw the initial 3-D details he requested we create 3-D views of some of the more error prone areas of the building.



4 PRECAST PARAPET AT CUSTOMER STORAGE
A-509 3/4" = 1'-0"



1 PRECAST PARAPET AT LOADING DOCK
A-505 3/4" = 1'-0"



6 PRECAST PARAPET AT DATA CENTER
A-504 3/4" = 1'-0"

3 PARAPET METAL TO PRECAST WALL TRANSITION
3/4" = 1'-0"

Data Center Prototype

Michael D. Stephenson II, AIA

Interconnected Information

The Owner had a few information specific patterns he wanted implemented into the Construction Documents.

- To have Sheet and Detail References in the Detail Text, Notes and Legends.
- Track the changes to a Site-Adapt set as compared to the Prototype set.

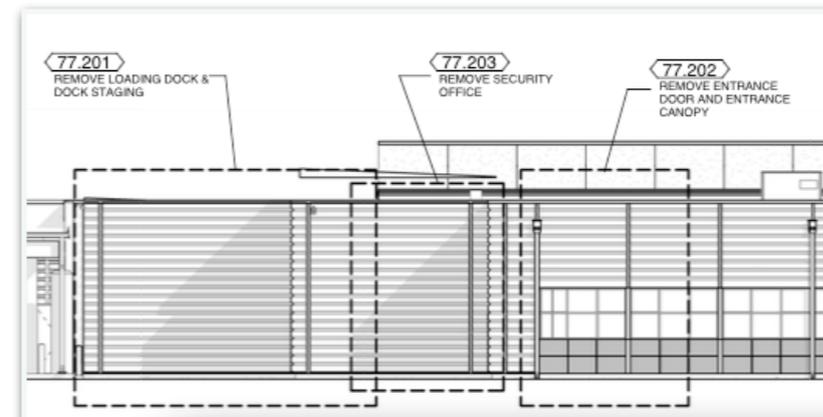
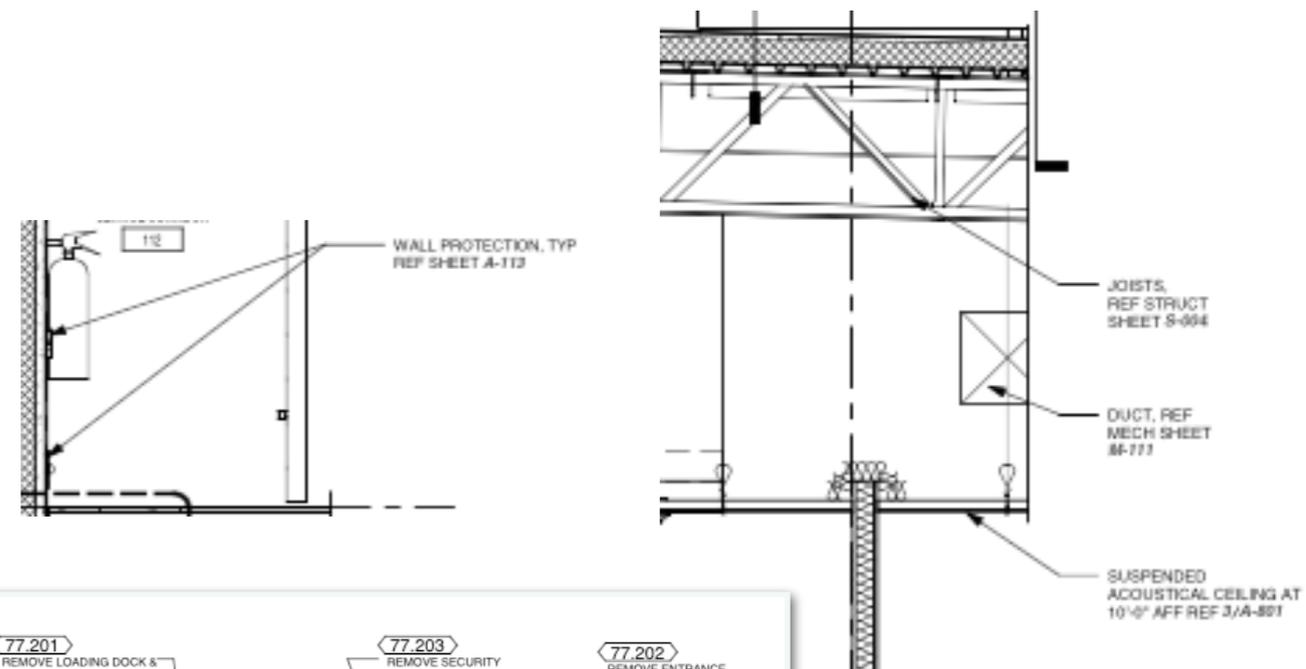
Referencing Details

Having worked with many prototypes we knew that references buried in the text are difficult to keep up to date. In response we developed a means by which we could link the text to the sheet and keep the callouts accurate. When a detail number changes, the text reference changes as well.

Site Adapt Change Tracking

To track the Site-Adapt deviations from the Prototype, the owner wanted every change from the Prototype clouded throughout the set. Both the Contractor and Architect understood the time and energy required to carry out such a feat.

Our solution was to provide a series of sheets that were dedicated to giving the Owner the Site-Adapt information for which he was looking. It used smart Tags to reference a listing of all the typical Client and Jurisdiction related changes.



77's			77's		
ITEM	CATEGORY	DETAIL	ITEM	CATEGORY	DETAIL
SITE IMPROVEMENTS			TELECOMMUNICATIONS		
77.01	ADD SITE SECURITY FENCING AND GATES	ADDITIONAL INFORMATION	77.50	UPGRADE NUMBER OF EXTERIOR CONDUITS	ADDITIONAL INFORMATION
77.02	ADD BOLLARDS / VEHICLE PROTECTION	ADDITIONAL INFORMATION	77.51	UPGRADE NUMBER OF INTERIOR CONDUITS	ADDITIONAL INFORMATION
77.03	ADDITIONAL PARKING	ADDITIONAL INFORMATION	77.52	UPGRADE MAXCELL IN CONDUITS	ADDITIONAL INFORMATION
77.04	ADDITIONAL LANDSCAPING	ADDITIONAL INFORMATION	77.53	CONCRETE TOPPING ON EXTERIOR CONDUITS	ADDITIONAL INFORMATION
77.001	ADD SIDEWALKS	ADDITIONAL INFORMATION	77.54	INSTALL MAXCELL IN CONDUITS	ADDITIONAL INFORMATION
FINISHES, COLORS & BRANDING			FIRE SYSTEM		
77.10	EXTERIOR COLORS (PRECAST AND METAL PANELS)	ADDITIONAL INFORMATION	77.55	CHANGE PARTS / SMARTS	ADDITIONAL INFORMATION
77.11	INTERIOR COLORS (PAINT SCHEME, CABINET COLORS)	ADDITIONAL INFORMATION	77.56	CHANGE FROM PRE-ACTION TO 3M NOVEC	ADDITIONAL INFORMATION
77.12	INTERIOR FINISHES (CARPET, TILE COUNTERTOPS)	ADDITIONAL INFORMATION	SECURITY		
OFFICE LAYOUT			77.60	ADD CAMERAS	ADDITIONAL INFORMATION
77.15	WALLS (NEED LIGHT FOR LEED)	ADDITIONAL INFORMATION	77.61	CHANGE CAMERAS / READER TYPES	ADDITIONAL INFORMATION

