
***BIM & 3D Coordination
Services for
Construction Managers &
General Contractors***

Basu Technology, Inc.

Abhi Basu

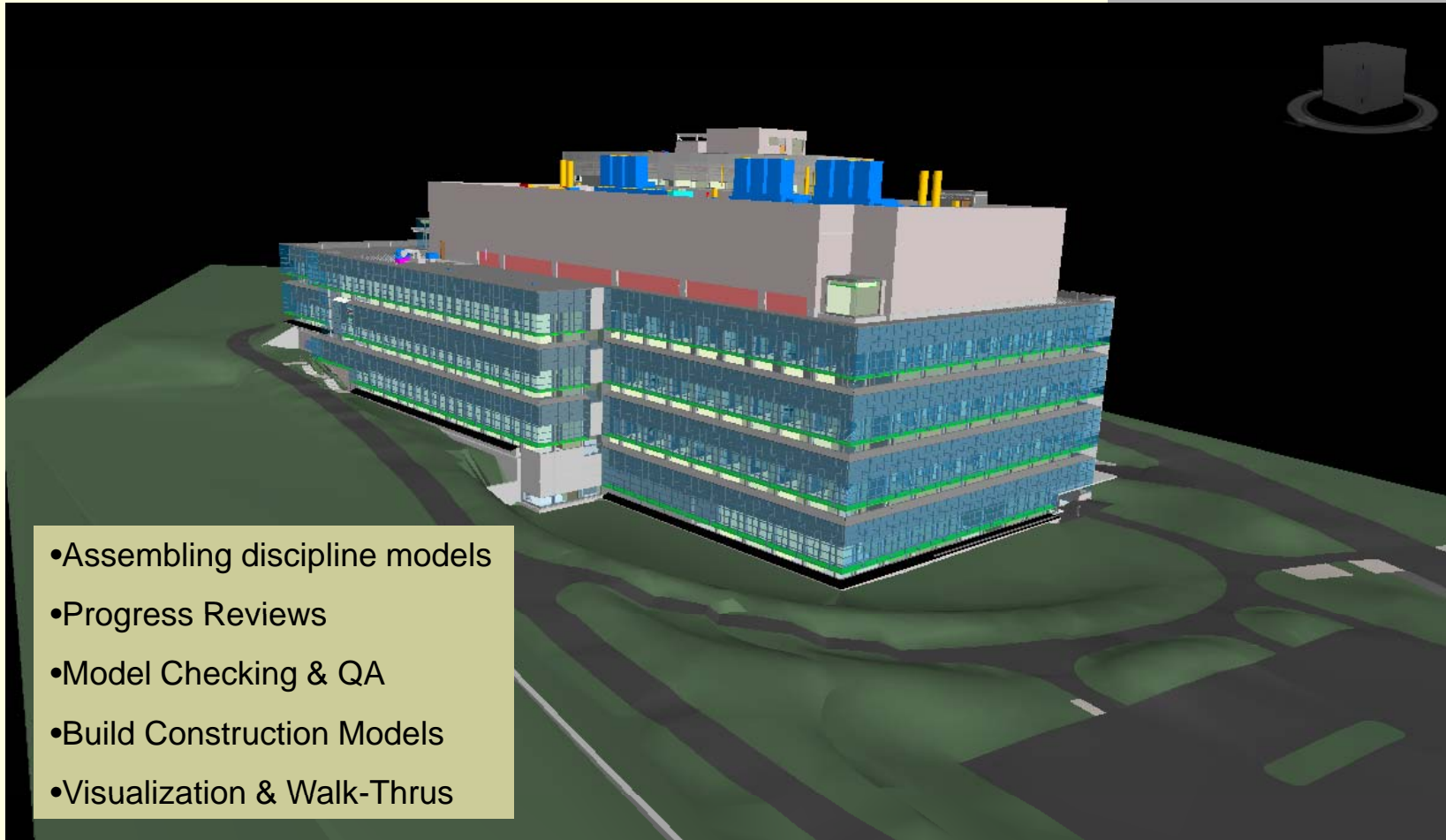
856 245 9082

abhibasu@basutech.com

BIM Services for the CM / GC

- BIM Implementation Planning & Execution
 - Define BIM SOW/Contract Development/Technology Choices
 - BIM Execution Planning
- Model Management during Design & Construction
- Visualization Support / QTO / Logistics / 4D Scheduling
- 3D Coordination
 - Sub-Contractor Scope Packaging & Specs
 - Process, Procedures & Standards
 - Clash Detection / MEP Coordination
 - BIM Hardware & Software Set Up
- Model Development
 - 3D Model from 2D Drawings or Scans
- BIM Training & Technical Support
- Lean Construction Opportunities
- Digital Exchange Server Model Management Services

Model Management through Design and Construction

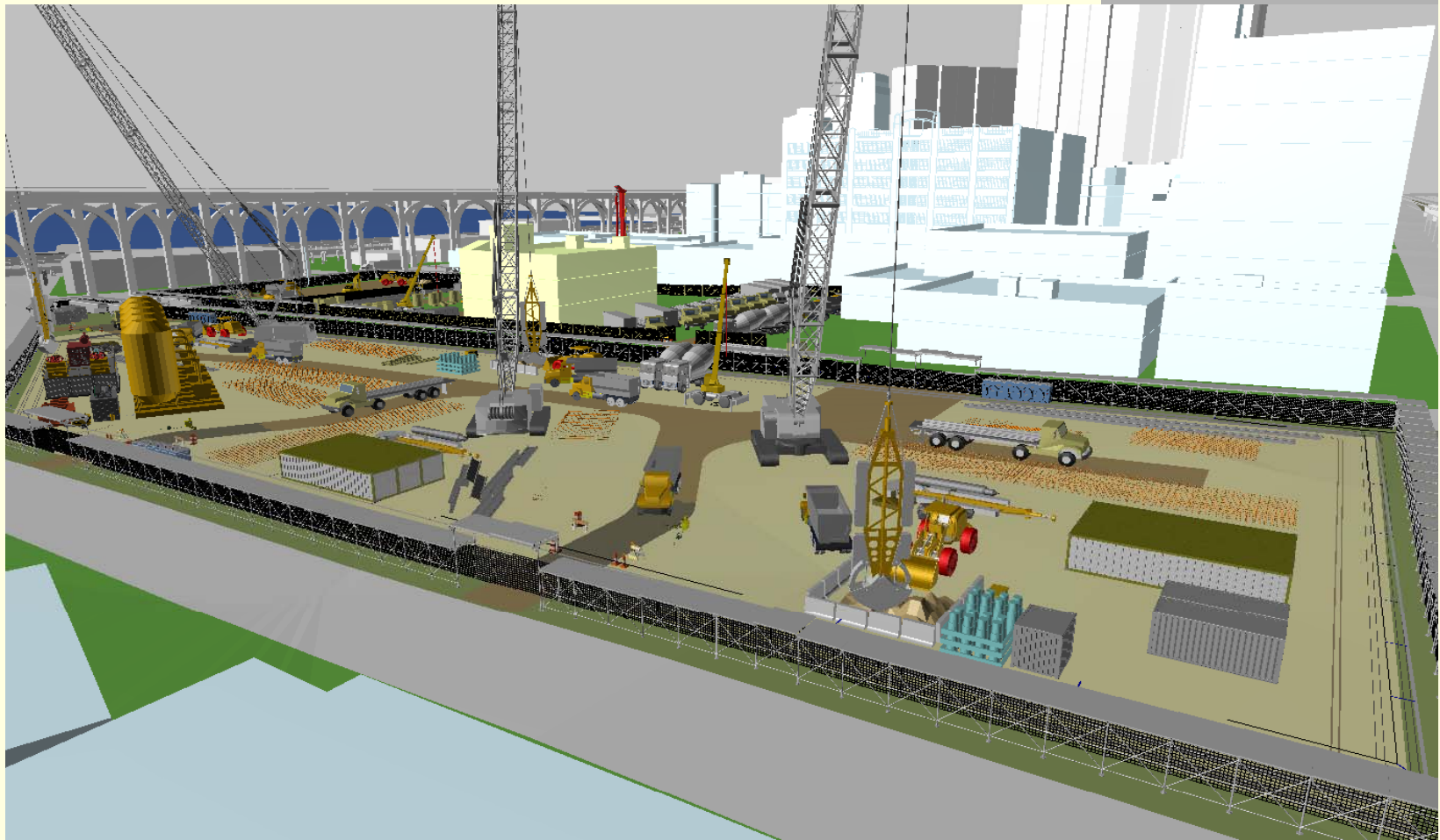


4D Scheduling

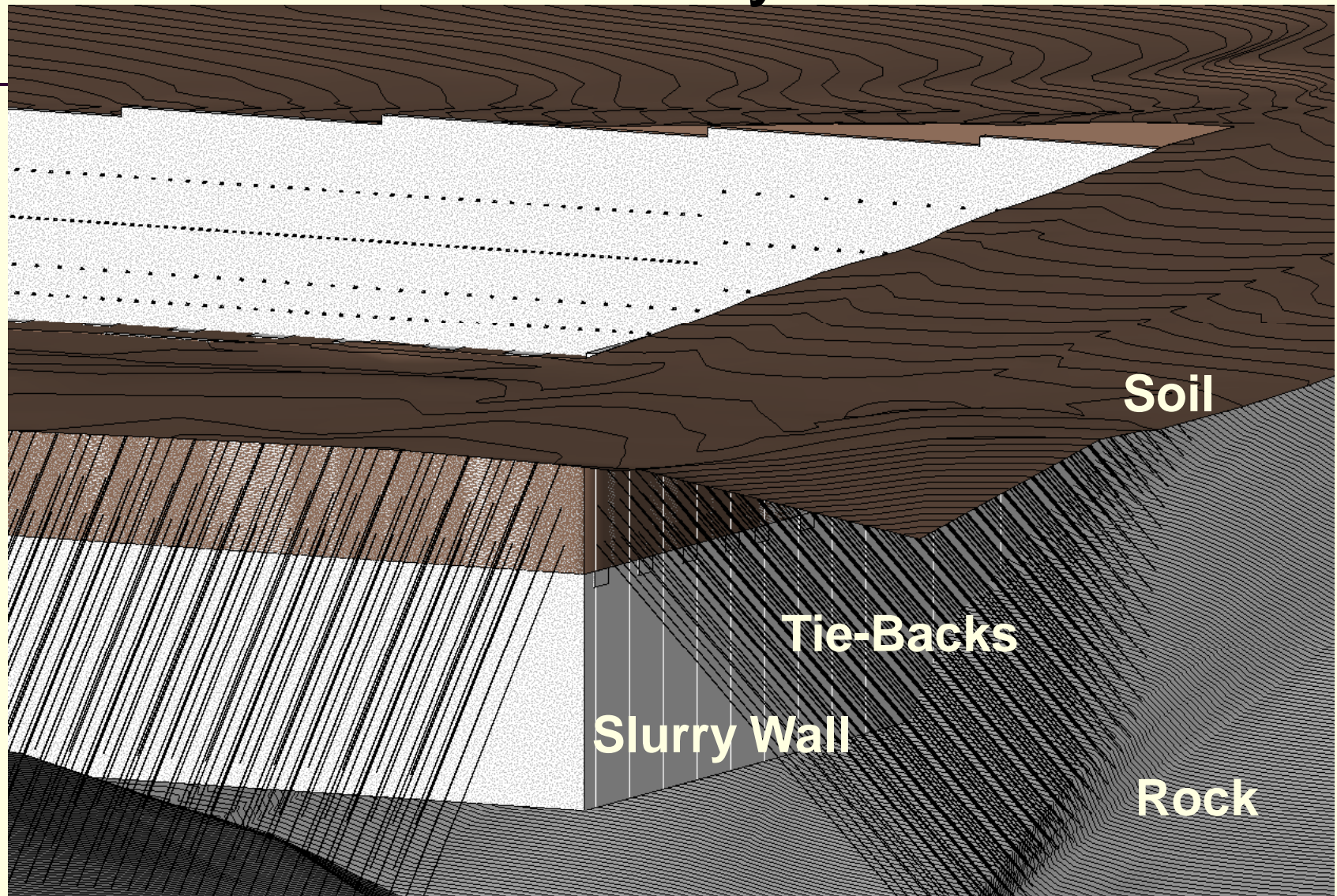
The screenshot displays a software interface for 4D Scheduling. The top menu bar includes File, Edit, View, Viewpoint, Review, Tools, and Help. Below the menu is a toolbar with various icons. The left pane shows a 'Selection Tree' with a list of models: Base Program.dwg, Idings 3-4-5.skp, Site Demolition Phase1 and part phase 2.skp, Phase 1 Underground and sewer.skp, Equip slurry & guide walls.skp, and Equip Use Cranes.skp. A yellow box labeled 'CAD Models' has a red arrow pointing to this list. The central 3D view shows a construction site with buildings, cranes, and a road. A yellow box labeled '4D Schedule' has a red arrow pointing to the 3D model. The bottom pane shows a 'Tasks' table with columns: Name, Status, Active, Start, End, Planned Start, Planned End, Task Type, Attached, Link, Index, and Unique ID. A yellow box labeled 'Schedule Data' has a red arrow pointing to this table.

Name	Status	Active	Start	End	Planned Start	Planned End	Task Type	Attached	Link	Index	Unique ID
New Task		<input checked="" type="checkbox"/>	12:00:00 AM 12/18/2...	12:00:00 AM 12/18...							
New Link		<input checked="" type="checkbox"/>									
General		<input checked="" type="checkbox"/>									
Project Start		<input checked="" type="checkbox"/>	8:00:00 AM 1/1/2007	5:00:00 PM 1/1/2007			Background	Attached Selection	New Link	101350	LcTilinkRoot
Package 1 - Sewer Relocation		<input checked="" type="checkbox"/>									Ug00IsWU0WWh...
Broadway Sewer Section Excavate		<input checked="" type="checkbox"/>	8:00:00 AM 1/1/2008	5:00:00 PM 1/22/2008	8:00:00 AM 1/22/2...	5:00:00 PM 3/10/2...	Temporary	Attached Selection	New Link	100020	4s4Lham8NEm/I0...
Broadway Sewer Section Lay Pipe		<input checked="" type="checkbox"/>	8:00:00 AM 1/22/2008	5:00:00 PM 3/10/2...	8:00:00 AM 1/22/2...	5:00:00 PM 3/10/2...	Construct	Attached Selection	New Link	100100	qlgZQh+vJ0G+1J...
Broadway Sewer Section Backfill		<input checked="" type="checkbox"/>	8:00:00 AM 3/11/2008	5:00:00 PM 3/31/2...	8:00:00 AM 3/11/2...	5:00:00 PM 3/31/2...	Construct	Attached Selection	New Link	101360	1BUvNjIPkGXvZ...
129th Street Sewer Section Lay Pipe		<input checked="" type="checkbox"/>	8:00:00 AM 4/1/2008	5:00:00 PM 4/30/2...	8:00:00 AM 4/1/2008	5:00:00 PM 4/30/2...	Temporary	Attached Selection	New Link	100030	X27T00-xG0qzU...
129th Street Sewer Section Lay Pipe		<input checked="" type="checkbox"/>	8:00:00 AM 5/1/2008	5:00:00 PM 7/1/2008	8:00:00 AM 5/1/2008	5:00:00 PM 7/1/2008	Construct	Attached Selection	New Link	100040	YVP//0SD50W3C...
129th Sewer Section Backfill		<input checked="" type="checkbox"/>	8:00:00 AM 7/2/2008	5:00:00 PM 7/31/2...	8:00:00 AM 7/2/2008	5:00:00 PM 7/31/2...	Construct	Attached Selection	New Link	101370	wUpIqlEnJ+Xnc...
125th Sewer Section Excavate		<input checked="" type="checkbox"/>	8:00:00 AM 8/1/2008	5:00:00 PM 9/11/2...	8:00:00 AM 8/1/2008	5:00:00 PM 9/11/2...	Temporary	Attached Selection	New Link	101230	DoSIQENckCNiz...

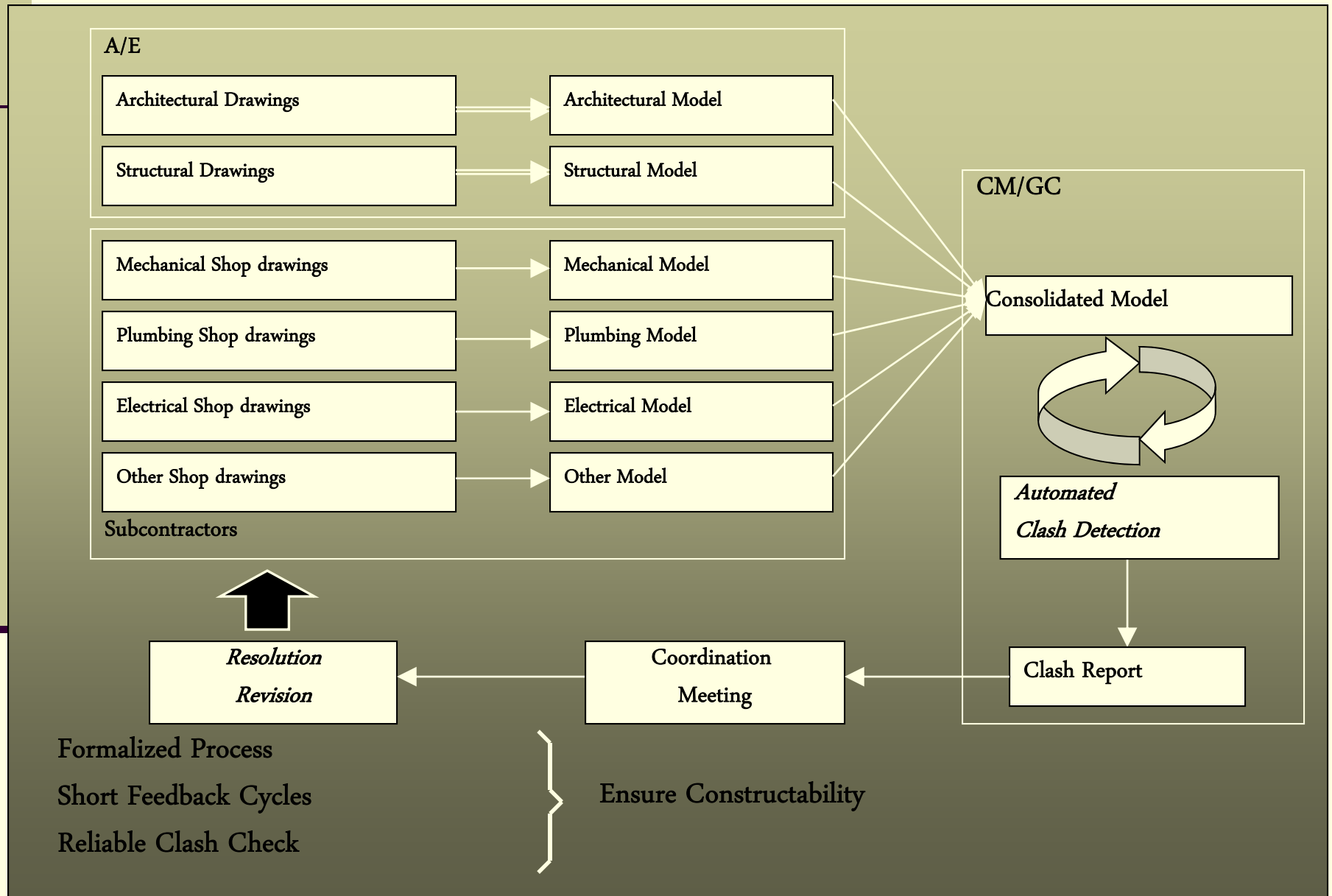
Site Logistics Planning



Constructability Studies

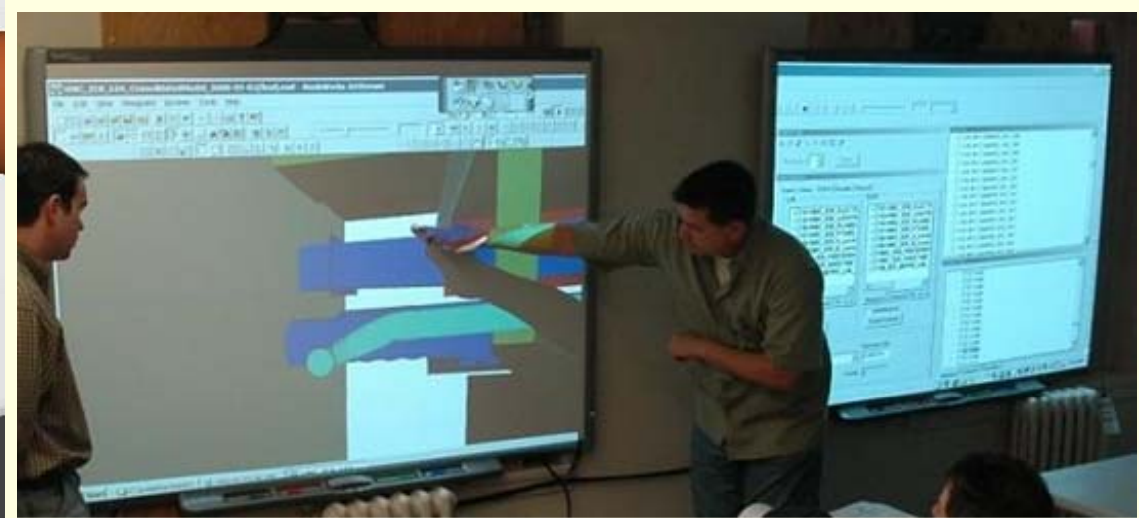
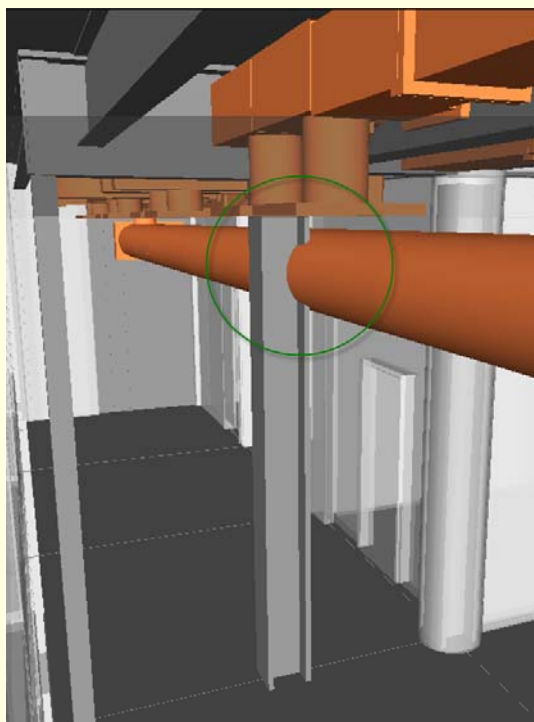
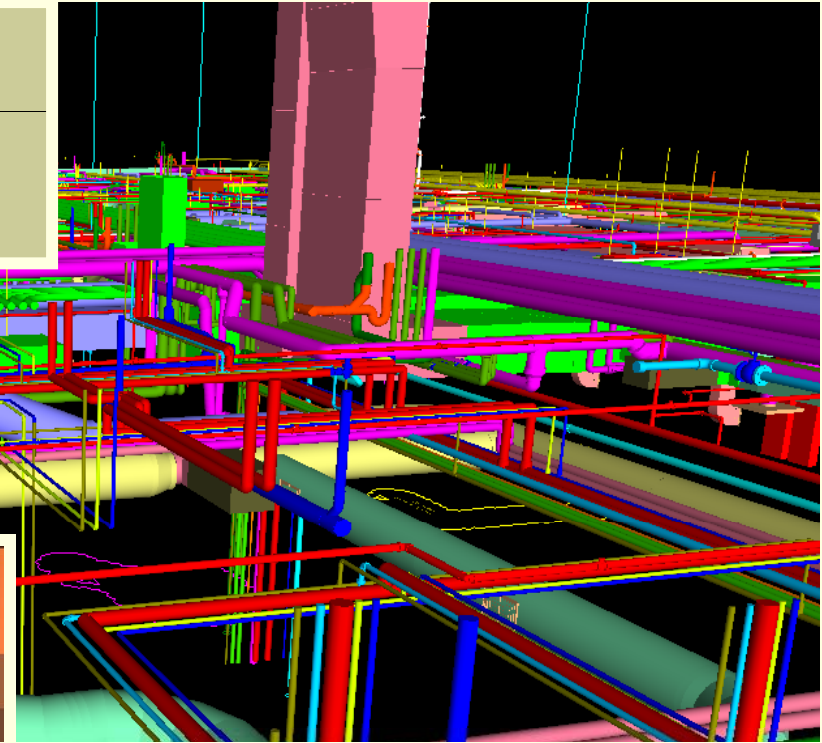
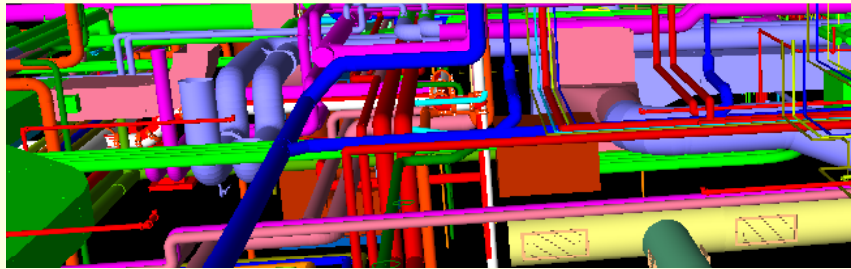


3D Coordination Process



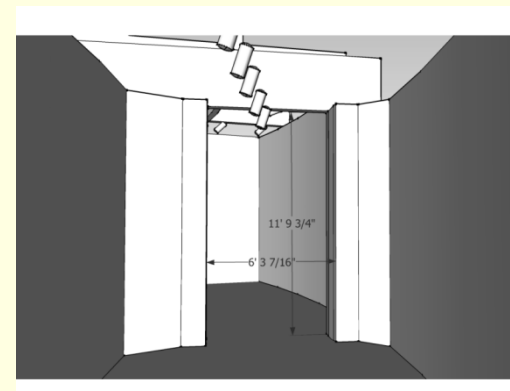
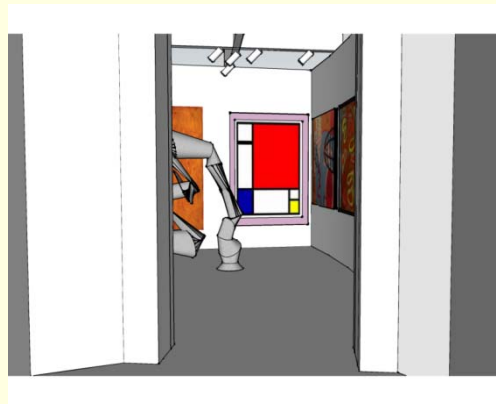
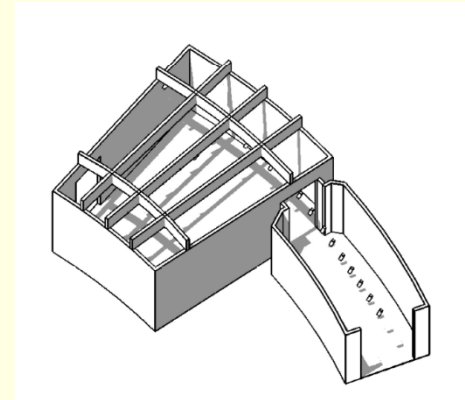
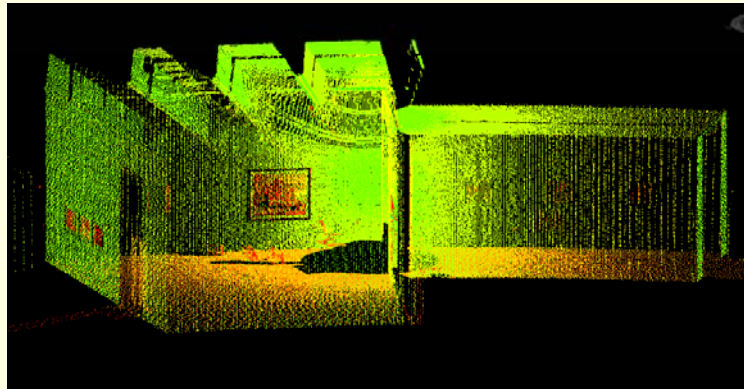
3D Coordination

- Sub-Contractor Scope Packaging & Specs
- Process, Procedures & Standards
- Clash Detection / MEP Coordination
- BIM Room Hardware & Software Set Up

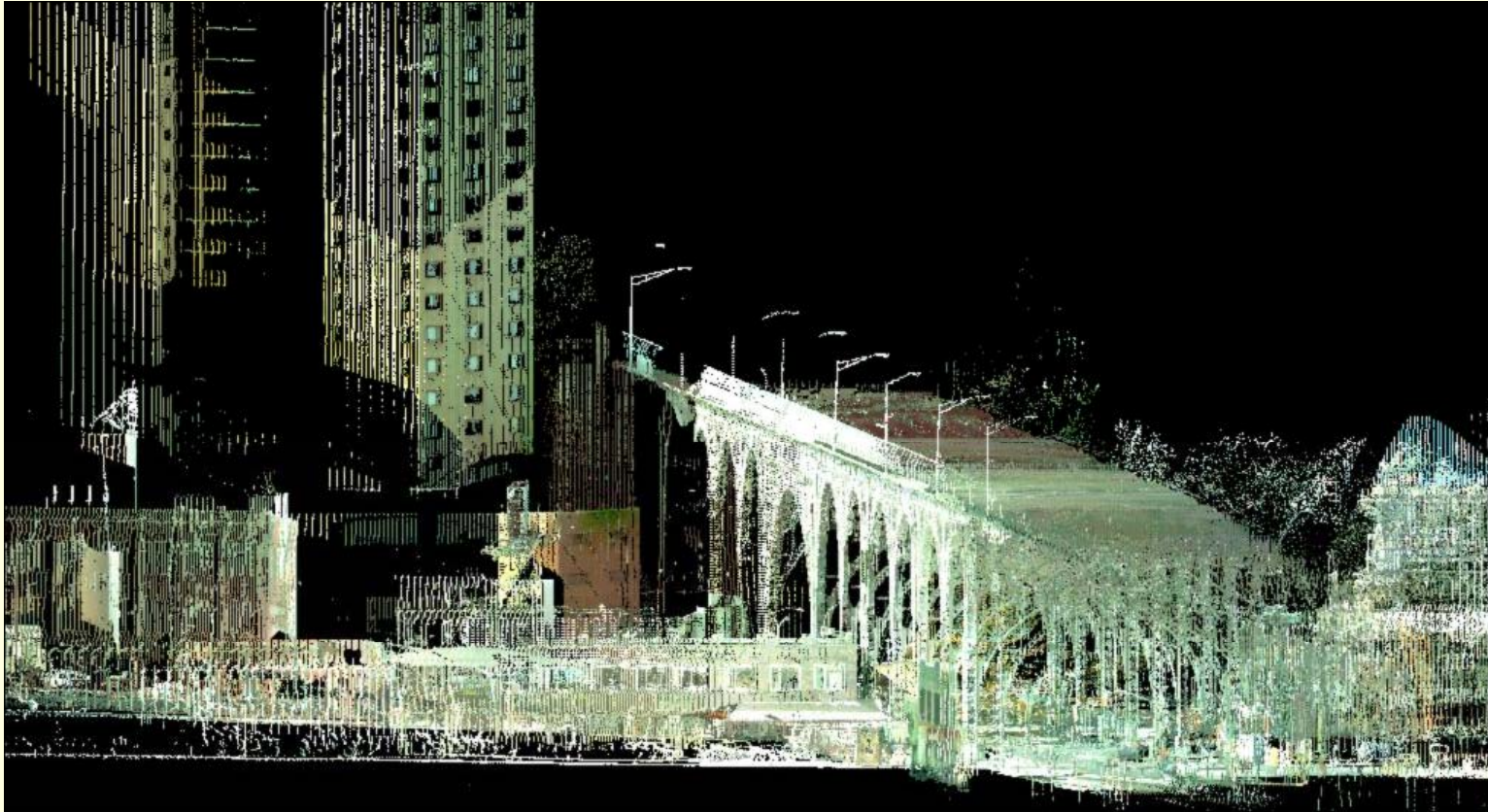


Model Creation Capabilities

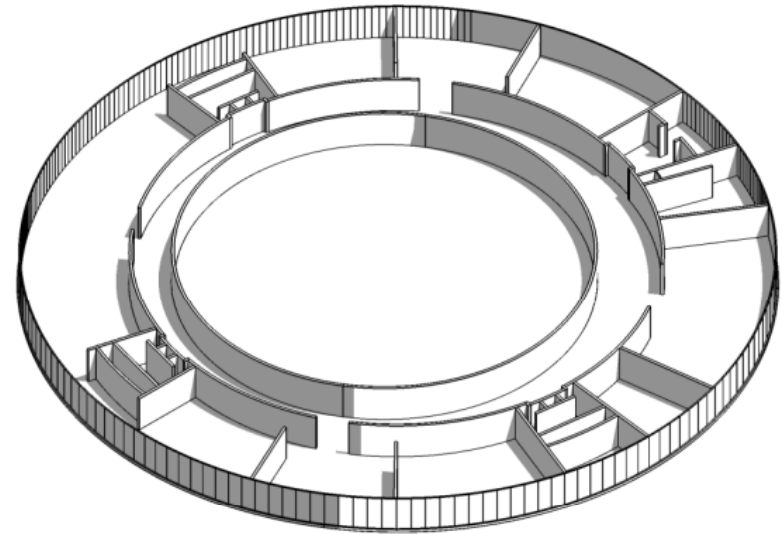
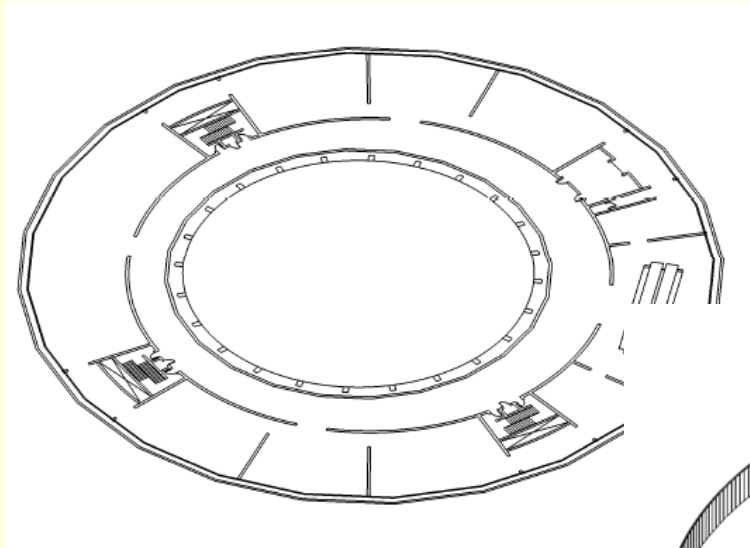
Point Clouds to Models



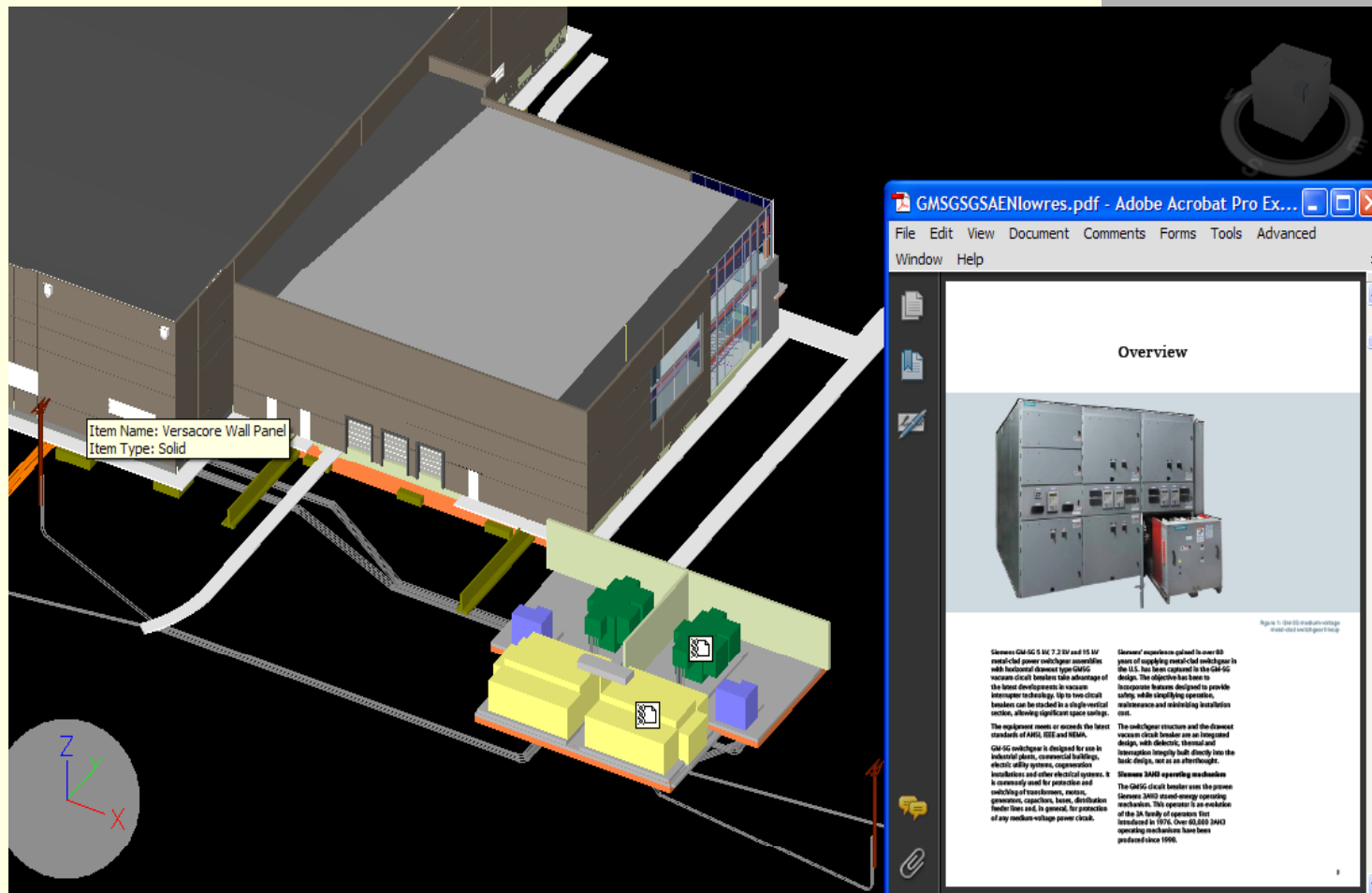
Scanning of Existing Structures



2D to 3D Conversions



As Built Model Linked to O&M Manuals



Linking Model to O&M Data

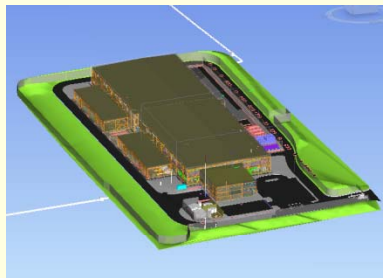


Table of Contents

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600 Howard Avenue
Somerset, New Jersey 08873

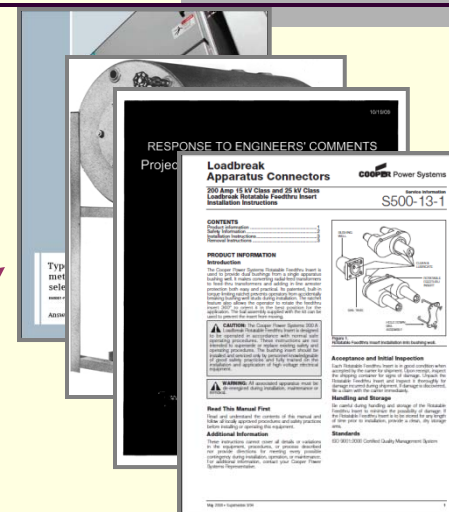
10 KV Switchgear No. xxx

Equipment Information	
Size / Capacity	
Type / Material	
Usage / Location	
Asset No.	
Tag No.	

Documents and Data

DOC#	DOC#	DOC#
DOC#	DOC#	DOC#
DOC#	DOC#	DOC#
DOC#	DOC#	DOC#

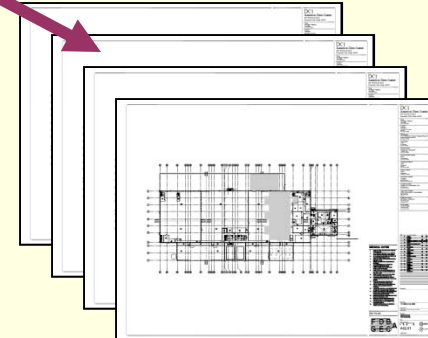
Other Data



Manuals

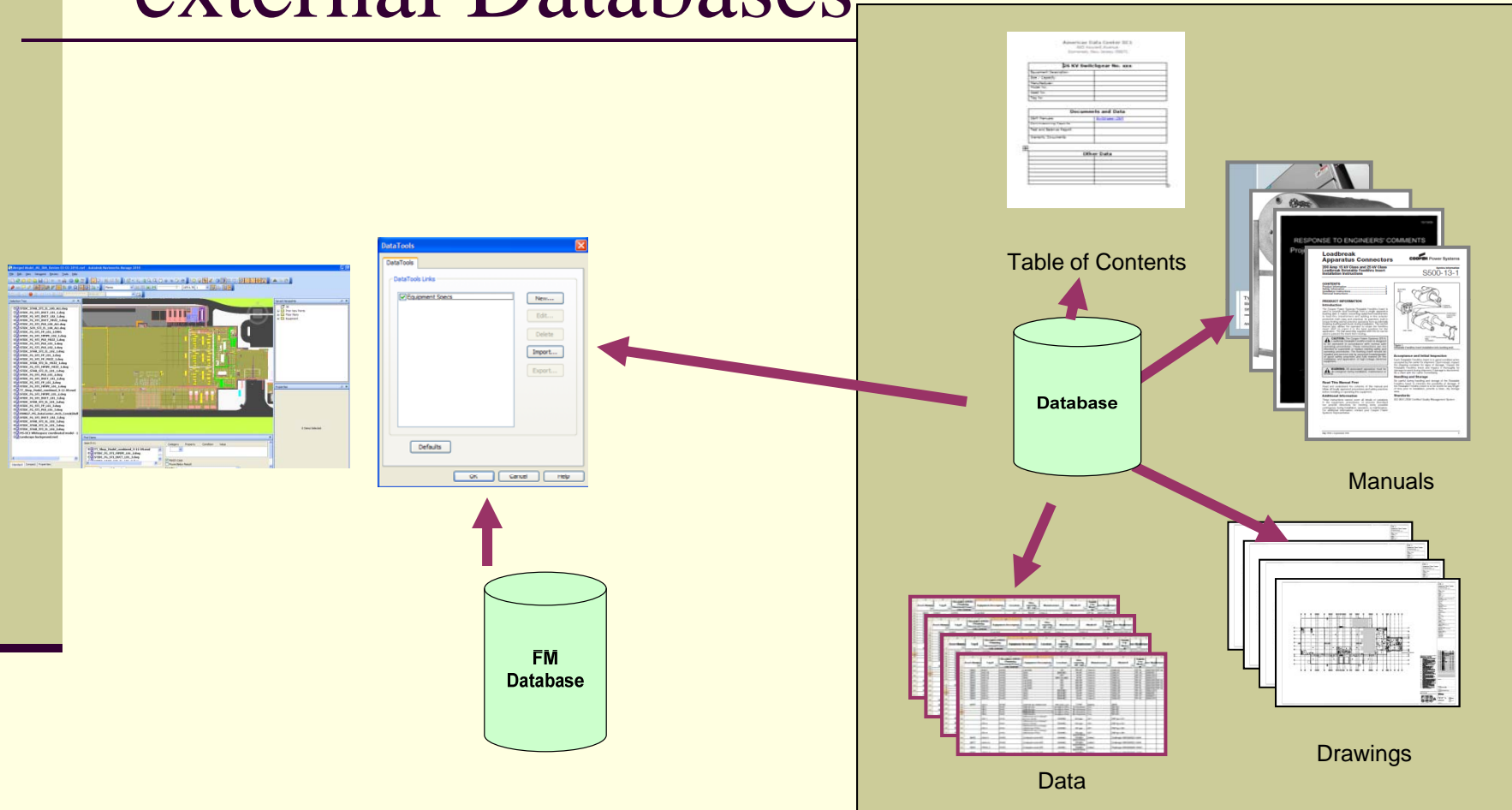
A stack of several data tables, each with multiple columns and rows of information, likely representing equipment specifications or maintenance records.

Basu Technology, Inc. Data

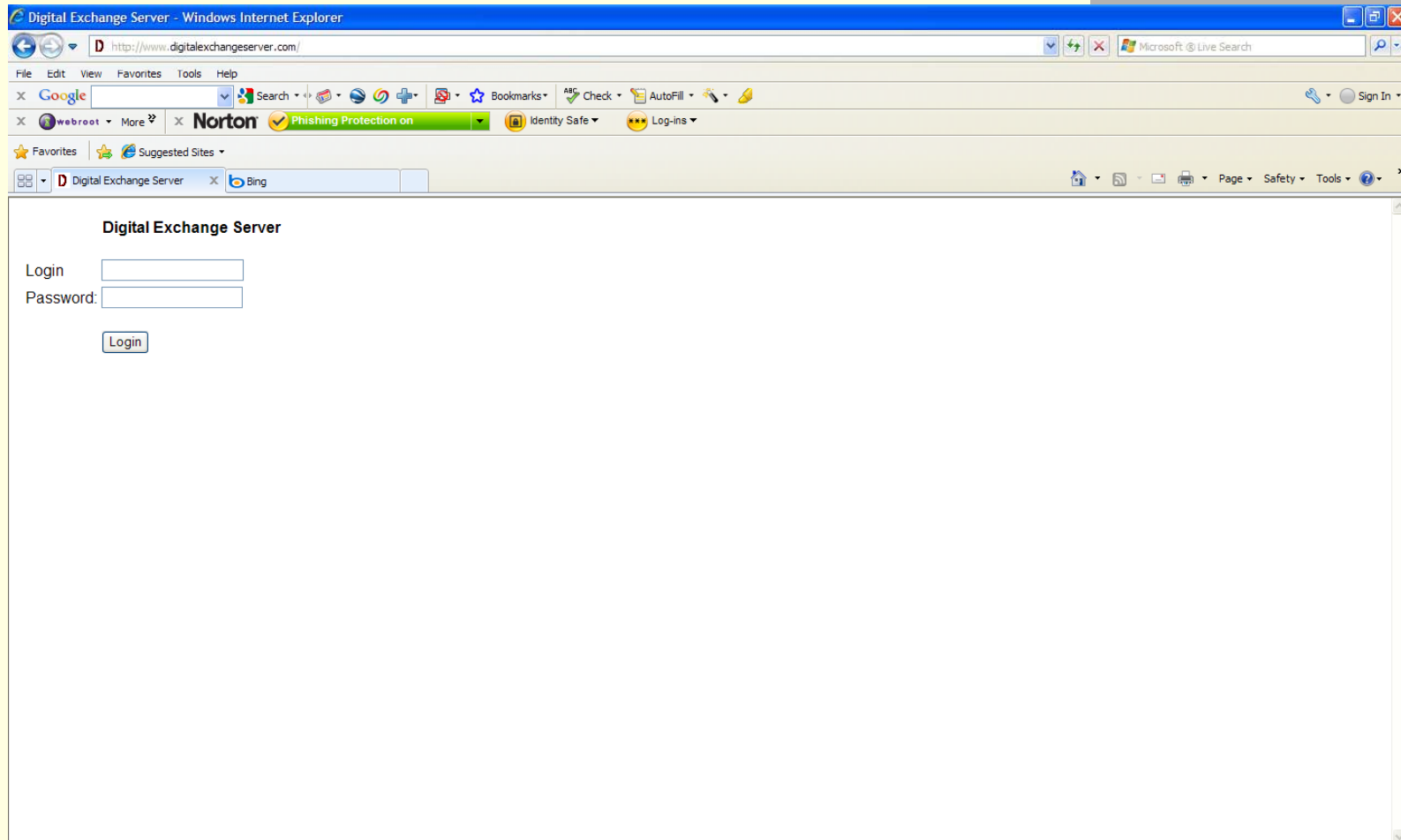


Drawings

Navis Database Connectivity with external Databases



Web Based MEP Coordination Model Management



For More Information Please Contact

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