

DRG — Who we are

Gifton Passley
Assistant Director
Construction Services

Ifiok Immanuel Sr. Architect, SFI

Eleanor Furlow Architect, SFI

Jonathan Shaw
User Experience Designer

Vacant Sr. Architect Larry Jennings Sr. Electrical Engineer, SFI

Steven Abbott Fire Protection Specialist, SFI

Ken Nuttall Sr. Structural Engineer

Gerard Mastrella Sr. Civil Engineer

Glenn Haller Sr. Mechanical Engineer

DRG - Who we are

Subject Matter Expert to GSFIC Project Managers during design and construction

Subject Matter Expert to
Using Agencies, contractors and other entities

DRG - What we do

- Constructability Manage proper application of bond proceeds
- Life Safety & Fire Protection 4 Deputized State Fire Inspectors

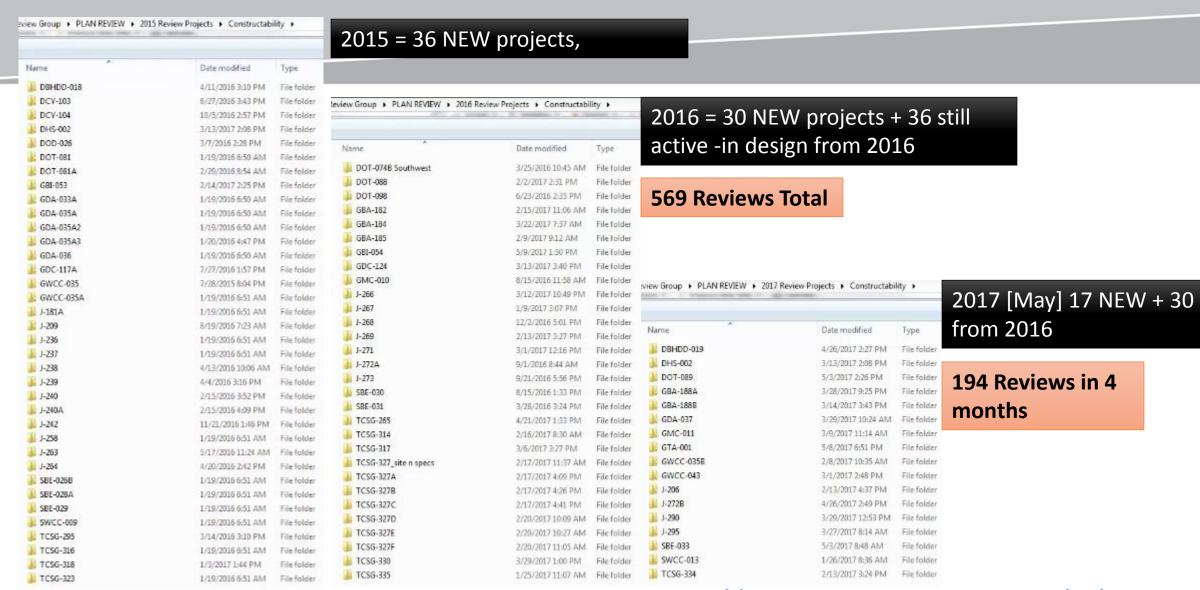
BIM – Reviews & Animation

Special Inspections Program & Selection Process

DRG — How we do

- Fire Alarm & Fire Sprinkler Field Inspections
- Building Assessments & Cost Estimating
- Scheduled Monthly Project Kick-off Meetings
- Twice Weekly Project Intake Meetings

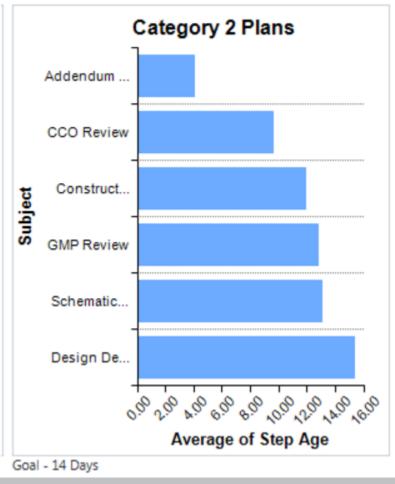
DRG Reviews



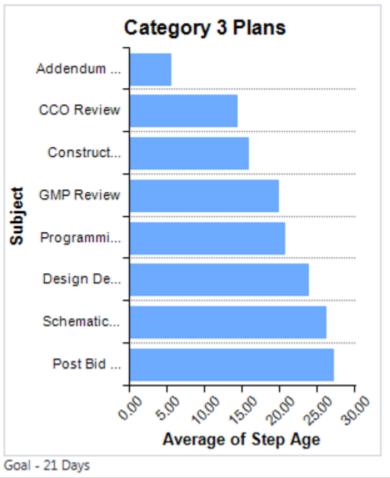
https://app.smartsheet.com/b/home

DRG Reviews





Design Review Step Avg Processing Ages (in days)



DRG Resources

https://gsfic.georgia.gov/construction-formspublicationspolicies

Site investigations **Special Inspection Coordination** SD and DD Phase Checklists Process Guide, Commissioning Guide, **BIM Guide** on GSFIC's website

Building Information Modeling

http://gsficbimlab.org/

TheBIMLab

TCSG 327

TCSG 327

State Capitol Campus

State Capitol Panoramas

Judicial Building

Courtrooms

Archives Rooftop Pano

Judicial Building

GSFIC Bid Rooms

GSFIC Bid Rooms

Georgia Film Academy

GFA Hallways

Floor Plan

GFA Existing Space

GFA Animation

GFA Still Renders

J-266

J-266 Animations

J-269

J-269 Animation



TCSG 327

State Capitol Campus

TCSG 327



State Capitol Panoramas

Judicial Building

State of Georgia Work vs Private Sector

Certification of Ownership: required for any project using GO bonds or exceeding \$1M in design & construction costs

Special Inspections, materials testing and NPDES inspections:

Design Professional = Building
Official
Not AHJ





State Construction Manual

and ongoing communication with

GSFIC PM & Authorized Using gency Rep. results in

On Time, on Budget, High Quality

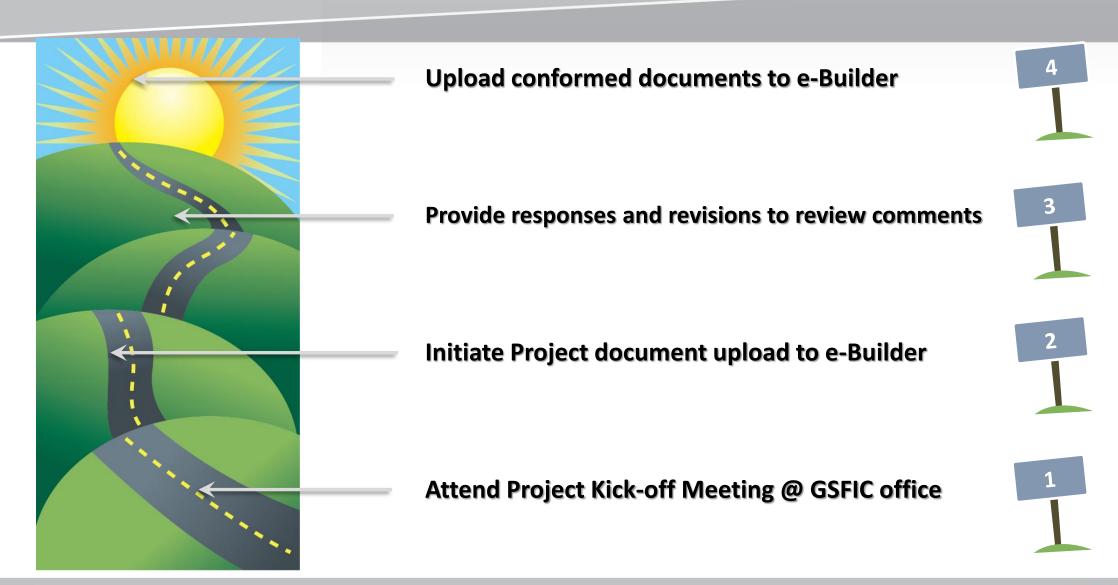
This is the goal of the Construction Division - GSFIC

The DRG Road

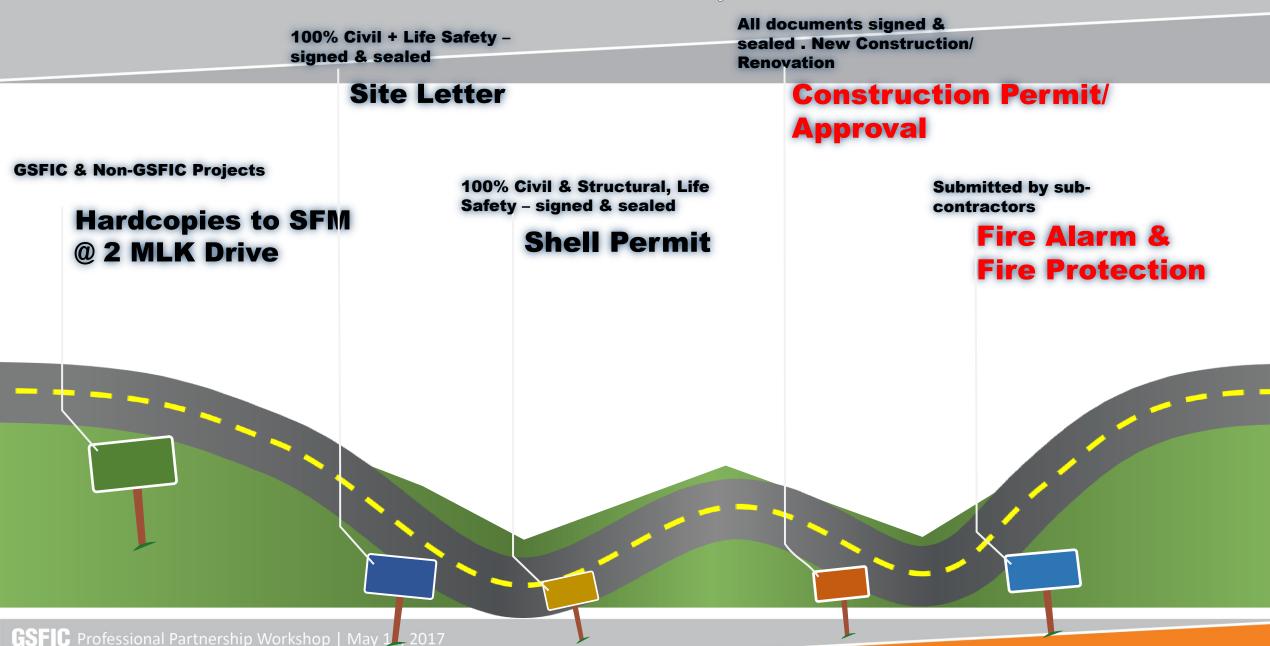




DRG Journey Check Points



Fire Marshal Review Journey

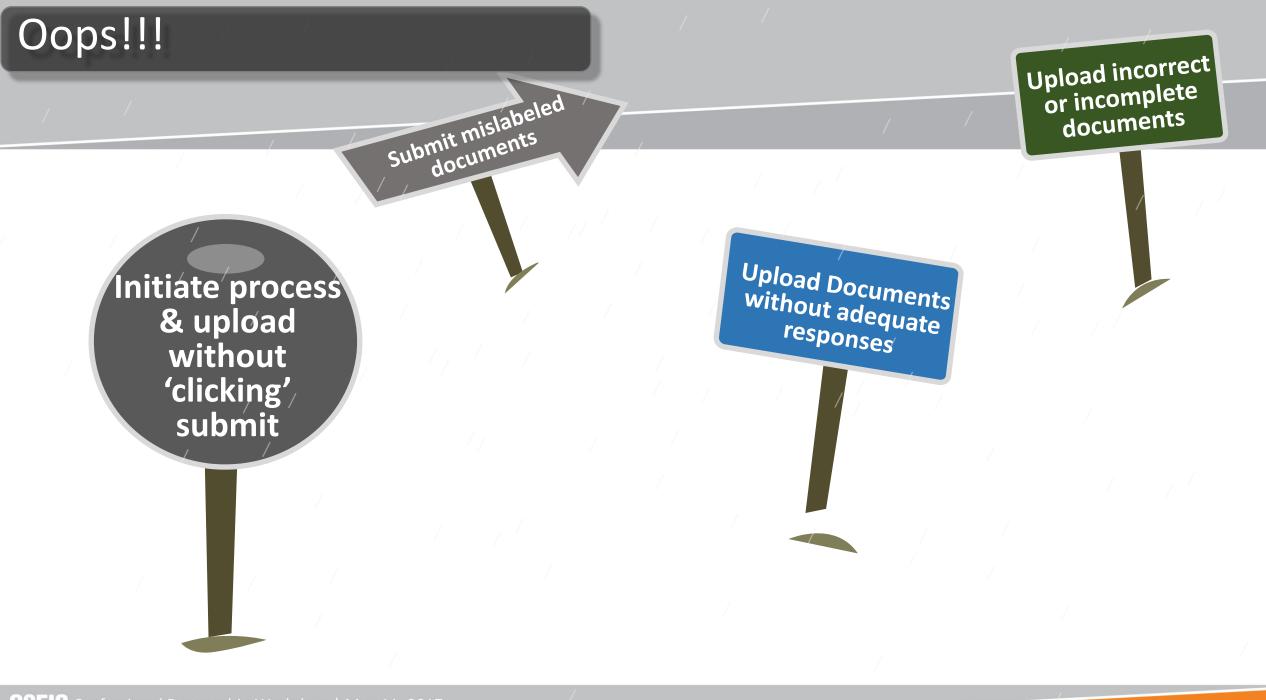


Awesome!!

Submit Back Check Docs for CCO, GMP, 100% CD







Stormy Days Ahead









Awesome!!!



DRG Project Kick-off

To familiarize DRG with project specific information

Familiarize Design Professional with DRG processes & expectations

Share lessons learned from similar projects

DRG Project Kick-Off GSFIC Purpose: To familiarize GSFIC Design Review Group with project spe-SCHEMATIC DESIGN cific information to aid in review. To familiarize Design Professional DESIGN DEVELOPMENT with GSFIC Design Review Group processes, procedures, and expecta-COMPONENT CHANGE ORDER To share lessons learned from similar projects 100% CD Pre-design Programming/Scope Discussion SITE LETTER Site Investigation **Plan Review Process** Constructability Reviews State Fire Marshal Approvals Other Approvals Ron Kern [A/FM] 4. 463.5684 Ifiok Immanuel [A/FM] 3.5686 Eleanor Furlow [A/FM]3.5796 Jerry Mastrella [C] 3.5679 Ken Nuttall [S] 3.5688 Glenn Haller [M/P] 3.5789 Steve Abbott [FP/FM] 4.656.2661 Justin Poblete [FP/FM] 4.656.2662 Larry Jennings [E] 4.232.1399

DESIGN REVIEW GROUP





WHO TO BRING
Project
Architect,
Project A/E's
CM





We answer your questions



Happy Meeting

You've read the DRG Process Guide You share your Project Information: Scope, Budget & Schedule



We discuss:
Site / Predesign,
QA/QC Hurdles,
DRG Publications,
Fire Marshal Submittals,
Review Levels, e-Builder,
Checklists

Unhappy Meeting
You have not read the Process
Guide



DRG Review Comments

DRG REVIEWS UPLOADED DOCUMENTS AND GENERATES COMMENTS WHICH SHOULD BE ADDRESSED BY DP WITH REVISIONS TO DOCUMENTS SUBMITTED AT NEXT PHASE.

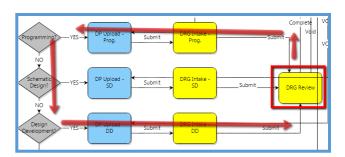
No back checks are required for SD and DD submittals.

100% CDs, CCOs & GMPs will be back checked till all comments closed

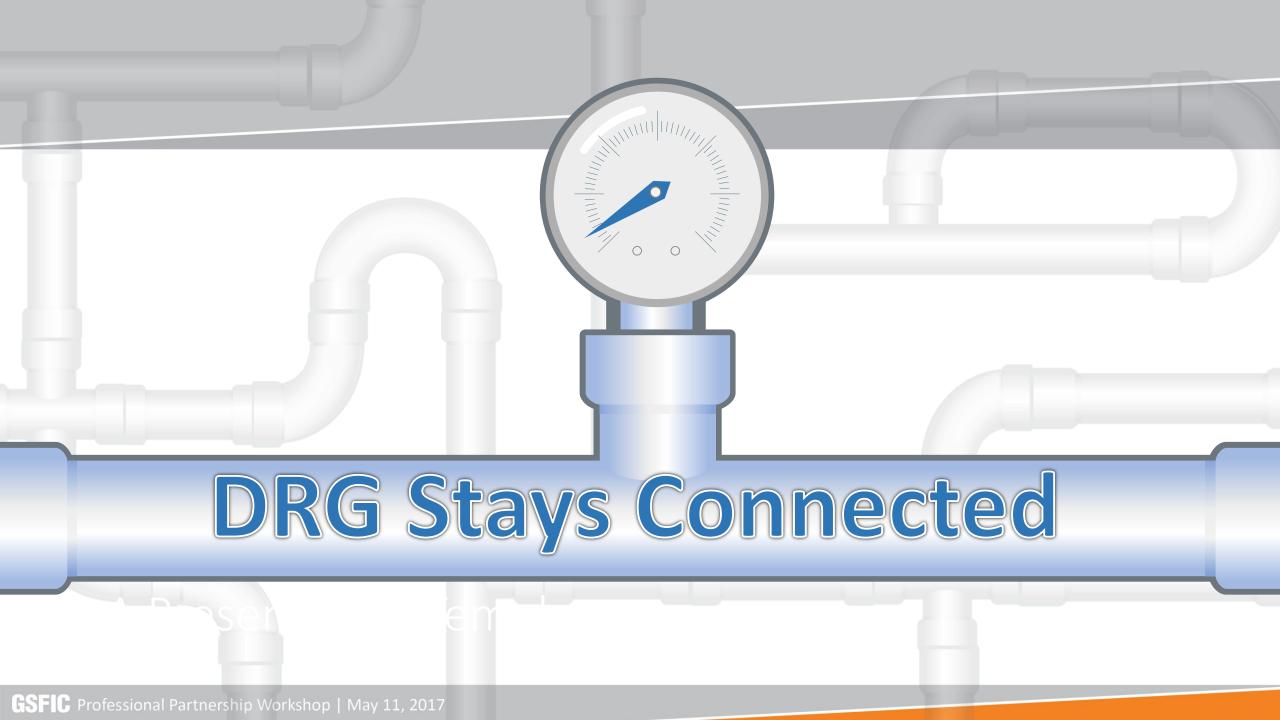
comments closed

100% CDs, CCOs & GMPs will be back checked till all

All comments should be closed by 3rd back-check!



В	С	D	E	F	G
		Anal-'s-	hand Compton at a billion Don's an Community	D-4 40/22/42	
Project-		Architect	tural Constructability Review Comments	Date: 10/23/12	
	CD Review Comments			Date: 11/19/12	
	Atlanta, Georgia			Date: 11/30/12	
ocation-	Atlanta, Geor		Kal Immanual	DD Date: 12/4/12 CCO#3: 2/13/13	
	Reviewer: Ifiok Immanuel Phone No 404-463-5686			GMP: 4/19/13	
		riione ivo	404-403-3000	Date: 6/5/13	
				CD Date: 8/5/13	
				ob bate. o.o. to	
Comm. No.	Drawing/ Specification Reference Number	Room/ Detail Number	Reviewer's Comments	Architect's/Engineer's Response	Status Open/Clo
52	A-501	1/A-501	Steel column at mechanical penthouse screen wall references structural however details are not provided on structural drawings.	note is referencing to refer to structural for column sizes.	Closed
53	A-501	1/A-501	4" perforated corrugated metal panel on steel detail not provided.	See 2/A-623 and 3/A-623	Closed
54	A-506	1/A-506	Verify that electric vault has a 3-hour minimum fire- resistance rating. Also submit vault plans to GA Power for review.	This has been coordinated. Vault plan to be submitted.	Closed
55	A-610		Omit reference to Won-door on plans or list 3 manufacturers: Except in the most unusual circumstances there can be no justification for listing fewer than three proprietary names otherwise the owner will not have the benefit of competition.	Omitted.	Closed
56	A-703	10/A-703	Overlapping stringer at north stair section. Is this a graphics error? See comment #72.	Graphics error	Closed
			BIM Model (See attached images)		
57	Mechanical		Pipes intersecting with pipes	to be coordinated	Open
58			Pipes and ducts intersecting	to be coordinated	Open
59			Floating roof components		
			Treating rear compensation	to be coordinated	Open
60			Roof intersecting ducts	Roof design was not completed nor coordinated at completion of DD. Final roof height of mechanical penthouse was not coordinated at the date of DD. Future issuances should have this coordinated.	Open
				Roof design was not completed nor coordinated at completion of DD. Final roof height of mechanical penthouse was not coordinated at the date of DD. Future issuances should have this coordinated. To be coordinated.	
60	Arch/Mech	Roof	Roof intersecting ducts	Roof design was not completed nor coordinated at completion of DD. Final roof height of mechanical penthouse was not coordinated at the date of DD. Future issuances should have this coordinated.	Open
60	Arch/Mech Arch/Mech	Roof	Roof intersecting ducts Plumbing pipes embedded in the ceiling Duplicate/intersecting mechanical equipment at roof. These components should be deleted at CD completion. In the interim they should be hidden. Ductwork extends beyond the penthouse roof	Roof design was not completed nor coordinated at completion of DD. Final roof height of mechanical penthouse was not coordinated at the date of DD. Future issuances should have this coordinated. To be coordinated. Arch mechanical equipment reflects SD sizes and is shown for coordination as well as renderings that were based on the Revit model. Do you want us to delete these components at the	Open Open Open
61 62	Arch/Mech Mechanical/ Structural		Roof intersecting ducts Plumbing pipes embedded in the ceiling Duplicate/intersecting mechanical equipment at roof. These components should be deleted at CD completion. In the interim they should be hidden.	Roof design was not completed nor coordinated at completion of DD. Final roof height of mechanical penthouse was not coordinated at the date of DD. Future issuances should have this coordinated. Arch mechanical equipment reflects SD sizes and is shown for coordination as well as renderings that were based on the Revit model. Do you want us to delete these components at the completion of CDs? Extensive coordination on penthouse has taken place since DD. We hope to have	Open Open
60 61 62 63	Arch/Mech	Roof Level 0 -	Roof intersecting ducts Plumbing pipes embedded in the ceiling Duplicate/intersecting mechanical equipment at roof. These components should be deleted at CD completion. In the interim they should be hidden. Ductwork extends beyond the penthouse roof Several locations with pipes and ductwork intersecting	Roof design was not completed nor coordinated at completion of DD. Final roof height of mechanical penthouse was not coordinated at the date of DD. Future issuances should have this coordinated. To be coordinated. Arch mechanical equipment reflects SD sizes and is shown for coordination as well as renderings that were based on the Revit model. Do you want us to delete these components at the completion of CDs? Extensive coordination on penthouse has taken place since DD. We hope to have these issues resolved soon.	Open Open Open



Design through Construction

- DRG Fire Protection Shop Drawings & Performs Site Inspections
- Review and Inspection of Fire Alarm
 Systems
- Assessment of Existing Buildings

Design Submittals

(ASTM E 1804)

(PDF)

(File Name)

Completeness - to match industry standards

Uploads — PDF & CAD/ BIM native formats

Grouped by A/E
Discipline – Not zipped. Use
GSFIC Project Number

(Call)

(QA/QC)

(Back Check)

(Specs)

Reviewer if you have questions

Perform – before upload

Reference Sheet #

- where changes have been made in responses

Single PDF File

(**'03' Folder**)

(Submit)

File Destination – remains the same for every upload

Hit This Button – This is common oversight



GSFIC Professional Partnership

Construction Phase

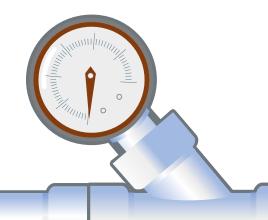
Approved Fire Marshal Plans

Must be on site always

Approved Shop Drawings - Fire Projection and Fire Alarm

Projection and Fire Alarm onsite prior to installation

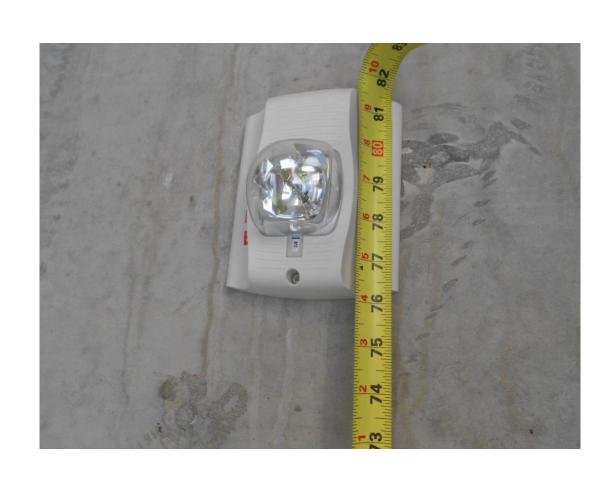
Prefunction testing - conducted prior to requesting DRG inspection







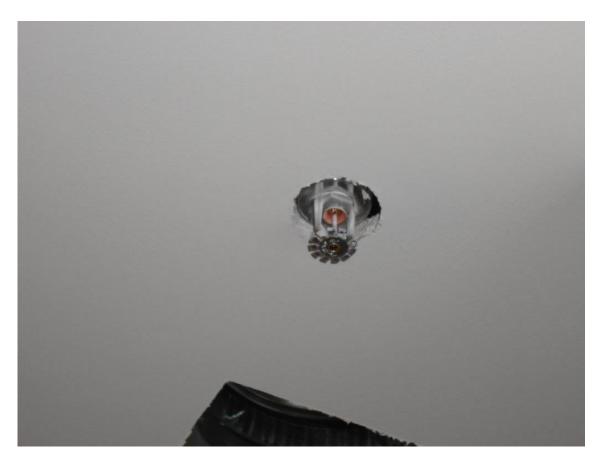
Fire Alarm Inspections





Fire Protection Inspections



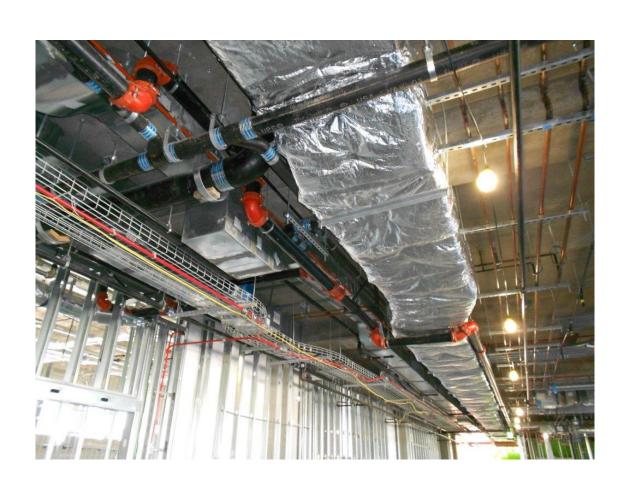


Fire Protection Inspections





Fire Protection Inspections





Bookmark this!!!!



Process Guide!
Construction Codes!
Review Comments!



Stay tuned for

Electronic Fire Marshal Reviews

Onsite BIM VR Experience

