

Design & BIM Services for Fire Protection Systems

Concept Design Drawing

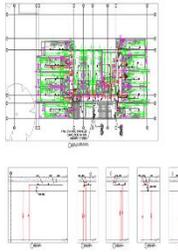


SPRINKLER TYPE			
TYPE	TEMPERATURE	CLASSIFICATION	SPACING
ES	68°C	ES	2.4m
ES	68°C	ES	3.0m
ES	68°C	ES	3.6m
ES	68°C	ES	4.2m
ES	68°C	ES	4.8m
ES	68°C	ES	5.4m
ES	68°C	ES	6.0m
ES	68°C	ES	6.6m
ES	68°C	ES	7.2m
ES	68°C	ES	7.8m
ES	68°C	ES	8.4m
ES	68°C	ES	9.0m
ES	68°C	ES	9.6m
ES	68°C	ES	10.2m
ES	68°C	ES	10.8m
ES	68°C	ES	11.4m
ES	68°C	ES	12.0m
ES	68°C	ES	12.6m
ES	68°C	ES	13.2m
ES	68°C	ES	13.8m
ES	68°C	ES	14.4m
ES	68°C	ES	15.0m
ES	68°C	ES	15.6m
ES	68°C	ES	16.2m
ES	68°C	ES	16.8m
ES	68°C	ES	17.4m
ES	68°C	ES	18.0m
ES	68°C	ES	18.6m
ES	68°C	ES	19.2m
ES	68°C	ES	19.8m
ES	68°C	ES	20.4m
ES	68°C	ES	21.0m
ES	68°C	ES	21.6m
ES	68°C	ES	22.2m
ES	68°C	ES	22.8m
ES	68°C	ES	23.4m
ES	68°C	ES	24.0m
ES	68°C	ES	24.6m
ES	68°C	ES	25.2m
ES	68°C	ES	25.8m
ES	68°C	ES	26.4m
ES	68°C	ES	27.0m
ES	68°C	ES	27.6m
ES	68°C	ES	28.2m
ES	68°C	ES	28.8m
ES	68°C	ES	29.4m
ES	68°C	ES	30.0m
ES	68°C	ES	30.6m
ES	68°C	ES	31.2m
ES	68°C	ES	31.8m
ES	68°C	ES	32.4m
ES	68°C	ES	33.0m
ES	68°C	ES	33.6m
ES	68°C	ES	34.2m
ES	68°C	ES	34.8m
ES	68°C	ES	35.4m
ES	68°C	ES	36.0m
ES	68°C	ES	36.6m
ES	68°C	ES	37.2m
ES	68°C	ES	37.8m
ES	68°C	ES	38.4m
ES	68°C	ES	39.0m
ES	68°C	ES	39.6m
ES	68°C	ES	40.2m
ES	68°C	ES	40.8m
ES	68°C	ES	41.4m
ES	68°C	ES	42.0m
ES	68°C	ES	42.6m
ES	68°C	ES	43.2m
ES	68°C	ES	43.8m
ES	68°C	ES	44.4m
ES	68°C	ES	45.0m
ES	68°C	ES	45.6m
ES	68°C	ES	46.2m
ES	68°C	ES	46.8m
ES	68°C	ES	47.4m
ES	68°C	ES	48.0m
ES	68°C	ES	48.6m
ES	68°C	ES	49.2m
ES	68°C	ES	49.8m
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ES	68°C	ES	52.2m
ES	68°C	ES	52.8m
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ES	68°C	ES	59.4m
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ES	68°C	ES	60.6m
ES	68°C	ES	61.2m
ES	68°C	ES	61.8m
ES	68°C	ES	62.4m
ES	68°C	ES	63.0m
ES	68°C	ES	63.6m
ES	68°C	ES	64.2m
ES	68°C	ES	64.8m
ES	68°C	ES	65.4m
ES	68°C	ES	66.0m
ES	68°C	ES	66.6m
ES	68°C	ES	67.2m
ES	68°C	ES	67.8m
ES	68°C	ES	68.4m
ES	68°C	ES	69.0m
ES	68°C	ES	69.6m
ES	68°C	ES	70.2m
ES	68°C	ES	70.8m
ES	68°C	ES	71.4m
ES	68°C	ES	72.0m
ES	68°C	ES	72.6m
ES	68°C	ES	73.2m
ES	68°C	ES	73.8m
ES	68°C	ES	74.4m
ES	68°C	ES	75.0m
ES	68°C	ES	75.6m
ES	68°C	ES	76.2m
ES	68°C	ES	76.8m
ES	68°C	ES	77.4m
ES	68°C	ES	78.0m
ES	68°C	ES	78.6m
ES	68°C	ES	79.2m
ES	68°C	ES	79.8m
ES	68°C	ES	80.4m
ES	68°C	ES	81.0m
ES	68°C	ES	81.6m
ES	68°C	ES	82.2m
ES	68°C	ES	82.8m
ES	68°C	ES	83.4m
ES	68°C	ES	84.0m
ES	68°C	ES	84.6m
ES	68°C	ES	85.2m
ES	68°C	ES	85.8m
ES	68°C	ES	86.4m
ES	68°C	ES	87.0m
ES	68°C	ES	87.6m
ES	68°C	ES	88.2m
ES	68°C	ES	88.8m
ES	68°C	ES	89.4m
ES	68°C	ES	90.0m
ES	68°C	ES	90.6m
ES	68°C	ES	91.2m
ES	68°C	ES	91.8m
ES	68°C	ES	92.4m
ES	68°C	ES	93.0m
ES	68°C	ES	93.6m
ES	68°C	ES	94.2m
ES	68°C	ES	94.8m
ES	68°C	ES	95.4m
ES	68°C	ES	96.0m
ES	68°C	ES	96.6m
ES	68°C	ES	97.2m
ES	68°C	ES	97.8m
ES	68°C	ES	98.4m
ES	68°C	ES	99.0m
ES	68°C	ES	99.6m
ES	68°C	ES	100.2m

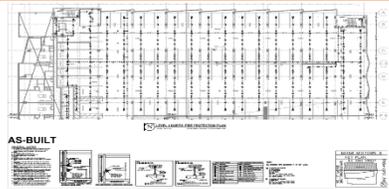
Detail Design Drawing



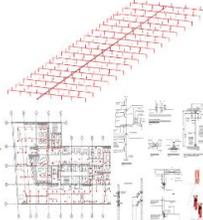
Construction Drawing



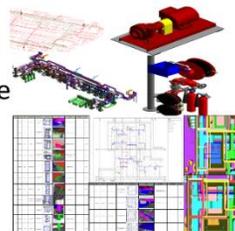
As Built Drawing



Design Stage BIM (LOD 300)



Construction Stage BIM (LOD 400)



As Built Stage BIM (LOD - 500)



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- D & D Core Team
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- Contact US

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D&D DESIGN AND DRAWING SOLUTION
ONE STOP BIM | CAD | MEP
ENGINEERING SOLUTIONS

About us

Design and Drawing Solution offers design and construction services for fire systems to owners, fire consultant, general contractor, MEP and Fire contractors.

Our team is efficient in all modern fire design and drawing tools and technology.

We are familiar with all latest international codes and guidelines for fire systems such as, Fire Design code:

International Codes: NFPA 13, 14.

AU-NZ Codes AS 2118, AS 1841, AS 1603

UK-Ire Codes BS 9251, BS 9990

We are currently providing services throughout the world specially all over the USA from EST to PST zones. Even AU, NZ & UK including all other part of world and seamlessly working with our existing clients like fire engineering consultant & contractors.

Using our design and BIM construction outsourcing services, our clients have numerous advantages i.e.



6+
Years' Experience

300+
Completed Projects

150+
Customer world wide

Building Types includes

- Interior Fit out for Commercial / Residential
- Bungalows /Residential Apartments
- High Rise Residential building
- Commercial IT / Banks
- Hotels
- Institutional Buildings like school, Libraries, Auditoriums
- Hospital
- Entertainment Zones, Malls and Multiplexe
- Data Centre
- Industrial ware house

Design CAD Services

- Concept Design Drawing
- Detail Design Drawing
- Construction Drawing
- As Built Drawing

BIM Services

- Design Stage BIM (LOD 300)
 - 3D Model LOD 300
 - Design/Tender Drawing
- Construction Stage BIM (LOD 400)
 - 3D Model LOD 400
 - BIM Co-ordination
 - Shop Drawing
- As Built Stage BIM (LOD 500)
 - As Built Model & Drawing

Concept Design Drawing

SPRINKLER TYPE						
AREA	SPRINKLER MODEL/TYPE	SPRINKLER ORIGIN	SPRINKLER K FACTOR	SPRINKLER COLOUR	SPRINKLER PLATE TYPE	SPRINKLER PLATE COLOUR
NORTHERN AND SOUTHERN RETAIL	PRO-NFC; FLUSH MOUNT	PENDANT	KS-F AS 1/10"	NA	FLUSH	TBC
COMMER ROOMS	VICTRICAL V2728 80°C	PENDANT	KS-F AS 1/10"	WHITE	2 PRICE ESCUTCHEON	WHITE
BACK OF HOUSE	VICTRICAL V2728 80°C	PENDANT	KS-F AS 1/10"	WHITE	2 PRICE ESCUTCHEON	WHITE
CONCEALED SPACE	VICTRICAL V2728 80°C	CONV	KS-F AS 1/10"	BRASS	NA	NA
LUXURY TENAVCES	VICTRICAL V2728 80°C	CONV	KS-F AS 1/10"	BRASS	NA	NA

SPRINKLER SPACING REQUIREMENTS					
AREA	AREA COVERAGE	MAX BETWEEN SPRINKLERS	MIN BETWEEN SPRINKLERS	MAX OFF WALLS	MIN OFF WALLS
NORTHERN AND SOUTHERN RETAIL	12x2	4.2m x 2.2m	2m	2.1m x 1.4m	0.1m
COMMER ROOMS	12x2	4.2m x 2.2m	2m	2.1m x 1.4m	0.1m
BACK OF HOUSE	12x2	4.2m x 2.2m	2m	2.1m x 1.4m	0.1m
CONCEALED SPACE	21x2	4.6m x 4.6m	2.3m	2.3m x 2.3m	0.1m
LUXURY TENAVCES	12x2	4.2m x 2.2m	2m	2.1m x 1.4m	0.1m

Concept Design:

At this stage our Fire designer starts the works with basic consideration of fire protections systems like as follows.

Fire Protection

- Sprinkler Type & location
- Riser Location
- Extinguisher Location

Fire Alarm

- Allocation of Fire Alarm Panel, Smoke Detector.
- Allocation of Strobe / Speaker and Manual call point.

Input

We use to received mark-ups from client for location of sprinkle or we use to follow previous reference projects to start the allocation of sprinkler and alarm services.

And our Engineering team use to follow the below type of sprinkler and coverage spaces as per the code as follows a based.

SPRINKLER TYPE							SPRINKLER SPACING REQUIREMENTS					
AREA	SPRINKLER MODEL/TYPE	SPRINKLER ORIGIN	SPRINKLER K FACTOR	SPRINKLER COLOUR	SPRINKLER PLATE TYPE	SPRINKLER PLATE COLOUR	AREA	AREA COVERAGE	MAX BETWEEN SPRINKLERS	MIN BETWEEN SPRINKLERS	MAX OFF WALLS	MIN OFF WALLS
NORTHERN AND SOUTHERN RETAIL	PRO-NFC; FLUSH MOUNT	PENDANT	KS-F AS 1/10"	NA	FLUSH	TBC	NORTHERN AND SOUTHERN RETAIL	12x2	4.2m x 2.2m	2m	2.1m x 1.4m	0.1m
COMMER ROOMS	VICTRICAL V2728 80°C	PENDANT	KS-F AS 1/10"	WHITE	2 PRICE ESCUTCHEON	WHITE	COMMER ROOMS	12x2	4.2m x 2.2m	2m	2.1m x 1.4m	0.1m
BACK OF HOUSE	VICTRICAL V2728 80°C	PENDANT	KS-F AS 1/10"	WHITE	2 PRICE ESCUTCHEON	WHITE	BACK OF HOUSE	12x2	4.2m x 2.2m	2m	2.1m x 1.4m	0.1m
CONCEALED SPACE	VICTRICAL V2728 80°C	CONV	KS-F AS 1/10"	BRASS	NA	NA	CONCEALED SPACE	21x2	4.6m x 4.6m	2.3m	2.3m x 2.3m	0.1m
LUXURY TENAVCES	VICTRICAL V2728 80°C	CONV	KS-F AS 1/10"	BRASS	NA	NA	LUXURY TENAVCES	12x2	4.2m x 2.2m	2m	2.1m x 1.4m	0.1m

Fire hazard	Minimum rating and classification of extinguishers	Travel distance from extinguishers to the hazard m	Maximum floor area per extinguisher m ²
Light	5B	2 to 3	15
	10B	2 to 4	45
	20B	2 to 5	80
Ordinary	20B	3 to 5	80
	30B	3 to 7.5	115
	40B	3 to 10	150
High	40B	4 to 10	150
	60B	4 to 12.5	225
	80B	4 to 15	300

Table 8-5.3.2(a) Ordinary Hazard Pipe Schedule		Table 8-5.3.3 Number of Sprinklers above and below a Ceiling	
Steel	Copper	Steel	Copper
1 in.	2 sprinklers	1 in.	2 sprinklers
1 1/4 in.	3 sprinklers	1 1/4 in.	3 sprinklers
1 1/2 in.	5 sprinklers	1 1/2 in.	5 sprinklers
2 in.	10 sprinklers	2 in.	10 sprinklers
2 1/2 in.	20 sprinklers	2 1/2 in.	20 sprinklers
3 in.	40 sprinklers	3 in.	40 sprinklers
3 1/2 in.	65 sprinklers	3 1/2 in.	65 sprinklers
4 in.	100 sprinklers	4 in.	100 sprinklers
5 in.	160 sprinklers	5 in.	160 sprinklers
6 in.	275 sprinklers	6 in.	275 sprinklers
8 in.	See Section 5-2	8 in.	See Section 5-2

For SI units, 1 in. = 25.4 mm.



Detail Design Drawing

Once's we receive the approval on the concept design we detailed the networks piping and networking of sprinkler systems .

Following we are MEP detailed use to covered :

- Sprinkler Hear and branch network
- Riser and sprinkler header route
- Detail Pipe Sizing
- Proper Annotation of Fire Alarm

Table 8-5.3.2(a) Ordinary Hazard Pipe Schedule

Steel		Copper	
1 in.	2 sprinklers	1 in.	2 sprinklers
1 1/4 in.	3 sprinklers	1 1/4 in.	3 sprinklers
1 1/2 in.	5 sprinklers	1 1/2 in.	5 sprinklers
2 in.	10 sprinklers	2 in.	10 sprinklers
2 1/2 in.	20 sprinklers	2 1/2 in.	20 sprinklers
3 in.	40 sprinklers	3 in.	40 sprinklers
3 1/2 in.	65 sprinklers	3 1/2 in.	65 sprinklers
4 in.	100 sprinklers	4 in.	100 sprinklers
5 in.	160 sprinklers	5 in.	160 sprinklers
6 in.	275 sprinklers	6 in.	275 sprinklers
8 in.	See Section 5-2	8 in.	See Section 5-2

For SI units, 1 in. = 25.4 mm.

Sprinkler & Extinguisher Drawing

After confirmation of sprinkler location, we use to detailed the drawing with piping networks with pipe sizing for Fire Sprinkler system.

Based on the hazards class , piping sizes as per standard table.

Fire Alarm Drawing

Once all the location has been finalizes, we use to produce the detail drawings with proper annotation and designs to complete fire alarm drawings.

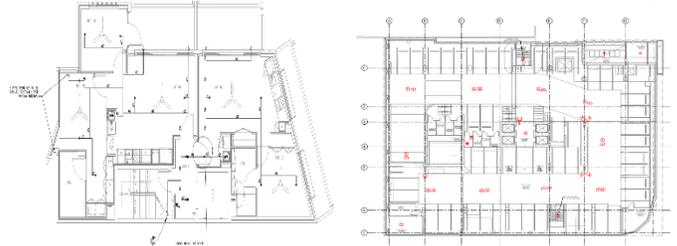
Table 8-5.3.3 Number of Sprinklers above and below a Ceiling

Steel		Copper	
1 in.	2 sprinklers	1 in.	2 sprinklers
1 1/4 in.	4 sprinklers	1 1/4 in.	4 sprinklers
1 1/2 in.	7 sprinklers	1 1/2 in.	7 sprinklers
2 in.	15 sprinklers	2 in.	18 sprinklers
2 1/2 in.	30 sprinklers	2 1/2 in.	40 sprinklers
3 in.	60 sprinklers	3 in.	65 sprinklers

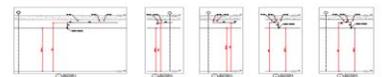
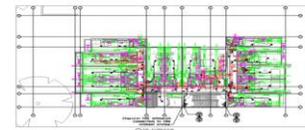
For SI units, 1 in. = 25.4 mm.

Input

Approved concept design or reference project drawings.



Construction Drawing



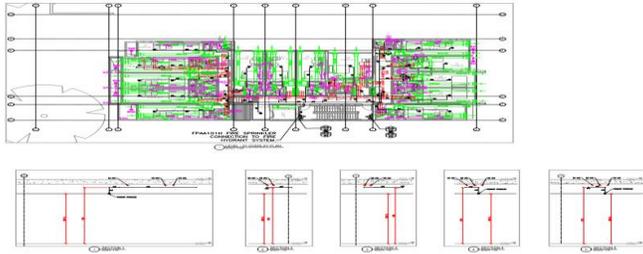
After completion of design or tender drawing, co-ordination with other services use to complete to proceed with construction drawings.

Our team use to co-ordinate with other services to work out the sections of services and verify the final elevations to complete.

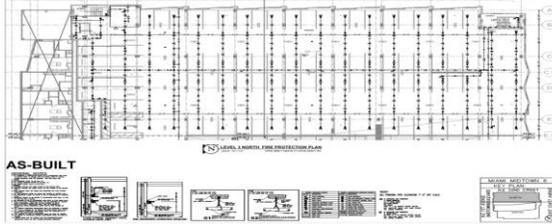
Accordingly, we put the dimensions of dimensions of sprinkler, extinguisher, piping networks, fire alarm devised for to make ready of construction drawings.

Input

Tender drawings, architectural sections and other services drawing for Overlay co-ordinations.



As Built Drawing

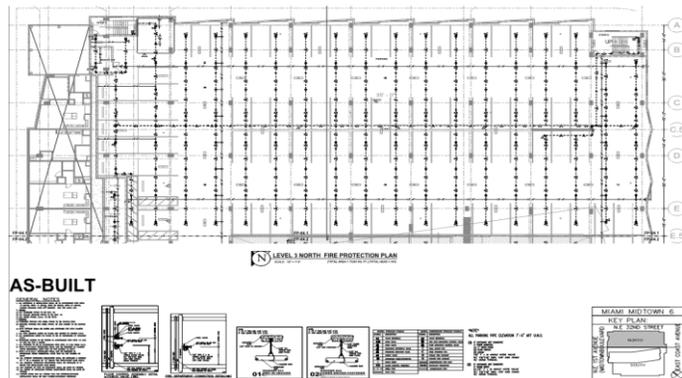


After completion of Construction, site team use to mark-ups the changes made in site based on the actual execution.

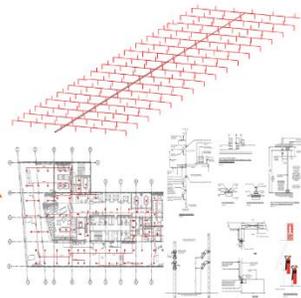
Based on the mark-ups, we produce the as built drawings.

Input

Mark-ups from site team.



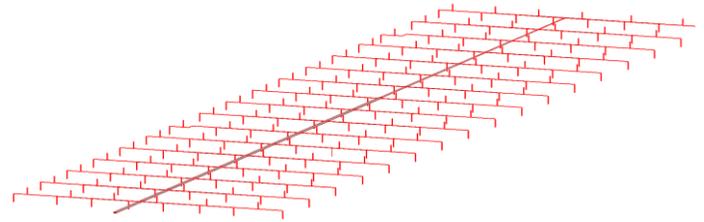
Design Stage BIM (LOD 300)



3D Model (LOD 300)

We have a team fire 3D modeler works on 3D models i.e. Fire Hydrant, sprinkler, extinguishers, fire alarm, detection systems fixtures, piping, fitting with all accessories & associated equipment's.

We produce 3D Models based on design schematic, basic plans, engineering markups to produce the fire protection systems 3D model with the proper Sizes & details.

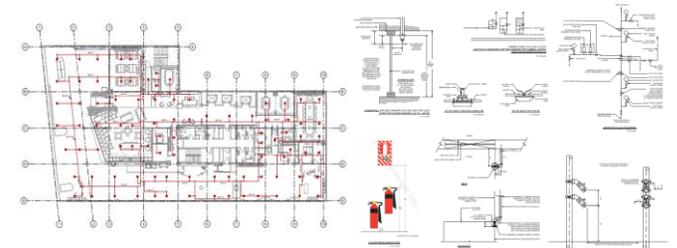


Design / Tender Drawing

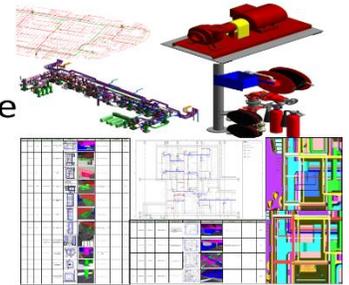
After completion of 3D model, we create sheet template with proper title block and start working on the production of design drawing with proper annotation and dimensions.

Design drawing set will have following list of drawing

1. Cover Page & Drawing List
2. Floor plans and sections
3. Schedules
4. Detail Sheet



Construction Stage BIM (LOD 400)

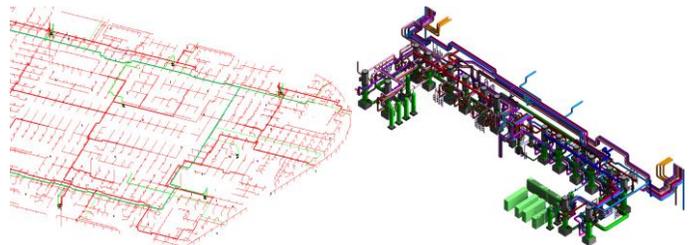


3D Model (LOD 400)

We specialize in the virtual construction of 3D BIM model of Fire protection and fire alarm systems @ LOD 400.

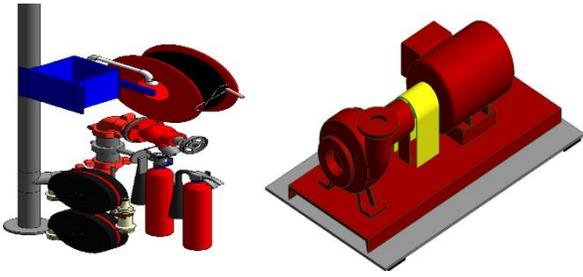
Based on the tender drawing & specifications, we use to produce the model for fire fighting networks, sprinklers, Extinguishers, hydrants for fire protections systems.

For fire alarm, we use to produce the model for fire alarm fixtures based on the approved fire fixtures.



Equipment Modeling

From the manufacturer's 2D drawings, and in line with project specifications, we create a 3D model of all fire networks equipment's like pump, extinguisher, hydrant box, fire alarm panel.

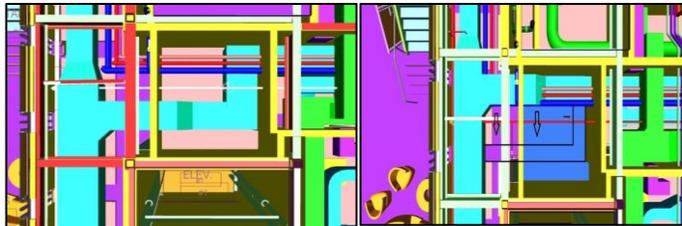


BIM co-ordination covers –

1. Clash co-ordination
2. Generation of Report
3. Resolution
4. Clash co-ordination

We generate a coordinated BIM model after resolving the clashes among all disciplines – Architectural, Structural, Concrete, Mechanical, Electrical, Plumbing, Fire Protection, etc.

Clashes are resolved through video conference discussion regarding the 3D clash snapshot and multiple fix options such as rerouting utilities, changing elevations, and resizing. Value engineering is also utilized to improve system efficiency, reduce costs, and provide for more efficient construction and maintenance.



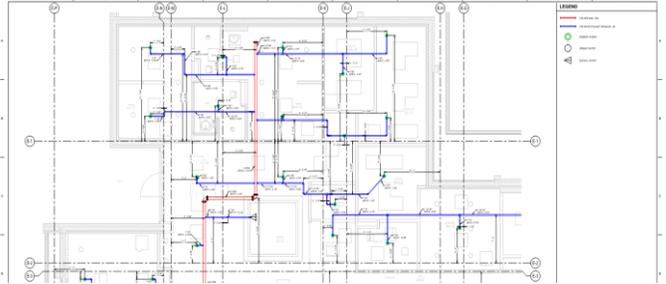
1. Generation of Report
2. Resolution

We have produced the clash report through Navisworks and provide the alternative optimize solutions to make clash free model.

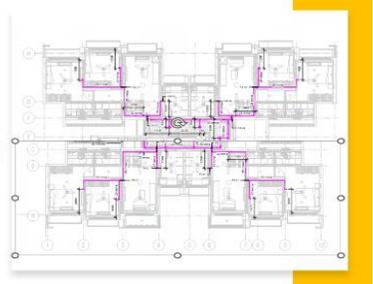
ID	Room	Room Name	Room Number	Clash Description	Clash Location	Clash Type	Clash Severity	Clash Resolution	Clash Status
1	South Area	SI 10 & C10	CORRIDOR SI02-C10	Clash existing with wall and ceiling structure. Proposed fire protection system is not coordinated with existing structure.	[Image]	Structural	High	Remove the Supply Pipe. Offer the Alternative Routing.	Open
2	South Area	SI 10 & C10	CORRIDOR SI02-C10	Clash existing with wall and ceiling structure. Proposed fire protection system is not coordinated with existing structure.	[Image]	Structural	High	Remove the Supply Pipe. Offer the Alternative Routing.	Open
3	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
4	South Area	SI 12 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
5	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
6	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
7	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
8	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
9	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
10	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
11	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
12	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
13	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
14	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
15	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
16	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
17	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
18	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
19	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open
20	South Area	SI 10 & M1	CORRIDOR SI02-C10	Clash existing with Beam, Slab and Wall.	[Image]	Structural	High		Open

Shop Drawing

BIM is highly useful for contractors, fabricators, suppliers, and manufacturers during construction of any irregular or complex project to generate accurate shop drawings. Utilizing a coordinated project BIM model, we generate accurate shop drawings that are detailed enough for workshop fabrication and/or on-site construction of items such as sleeves and penetration and hanger locations.



As Built Stage BIM (LOD – 500)



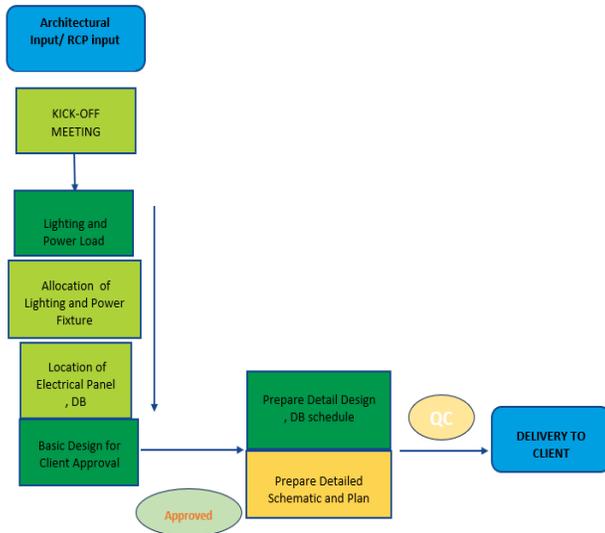
As built Drawing

After completion all installation of Fire Protection systems, site team use to change or modify few items in the systems as required by actual conditions. And site team use to mark-ups on the shop drawing which use to supply to design team to produce as built model and drawings for final hand over of the project.

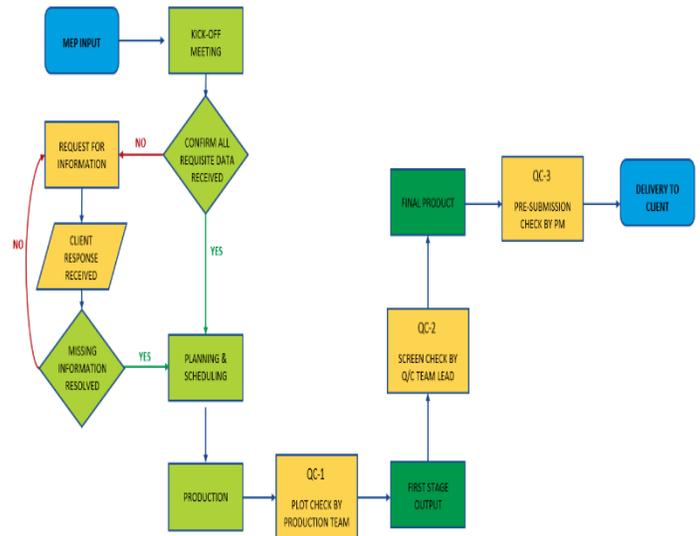


Execution Process

Design Execution Process



BIM Execution Process



We use to implement our standard BIM/CAD execution process to deliver each and every project.

Stage 1: - We do kickoff meeting with our client for better understanding of the project to start.

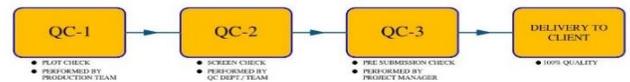
Stage2: - We do project review, planning and prepare project specification checklist and delivery schedule and share with client.

Stage3: - We allocate our dedicated Team lead with team member inline with the services to start the production activities as per delivery schedule.

Final Stage: - We follow QC process in the execution process before delivered to the client.

With the above process, we deliver the high-quality product to client.

D&D QUALITY CONTROL PROCESS



Quality Check – 1

The model check is done comparing it with the original contract documents through Team Member.

Quality Check – 2

Team performs a more detailed comparison with specific checklist and project checklist the deliverables and main objective check the following Clashes (Old/New), Elevation, Routing, Fittings, etc. Construction point of view.

Quality Check – 3

The Project manager conducts the pre-shipment check before sending them to client.

Core Team

Irshad Ali Shaikh

CEO – Co-Founder

Mr. Irshad Ali is the co-owner & founder of DESIGN AND DRAWING SOLUTION. He is having more than 15 years of experience in Building services in construction Industry throughout AEC project execution process from Pre-construction, construction processes like MEP engineering consulting, Designing, installation and handover process of the project.

He has completed BE in Mechanical Engineering from Pune University with Post Graduation in Project Management (PGPPM) from NICMAR Pune, India. In his small journey, he has successfully delivered the more than hundred BIM/CAD project for his satisfied client with the best quality and unique team effort.

He has experienced in all kinds of projects i.e., starting from Residential township, Commercial IT buildings and parks, Malls, High rise building, Hotel, Hospital & Institutional building. Including building Infrastructure projects like metro, airports, globally i.e. USA, Australia, New Zealand & India.

Karishma Bibi

Sales Head

She is the co-owner of DESIGN AND DRAWING SOLUTION and well experienced in offshore sales development initiatives. She is having a good knowledge of result-oriented sales development processes and customer retention. She is leading the complete sales team for B2B sales within the company and managing and monitoring the effectiveness of the entire sales cycle. She has implemented her interior design expertise to improve the technical expertise for client communication for offshore sales which helps her build a long-term relationship with new and existing clientele.

Rupam Mondal

Production Manager

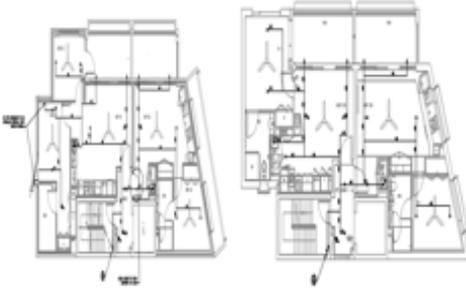
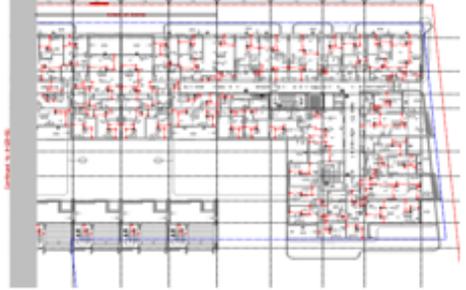
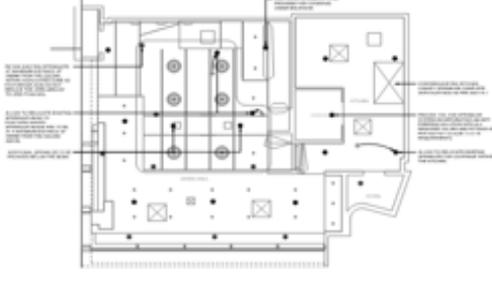
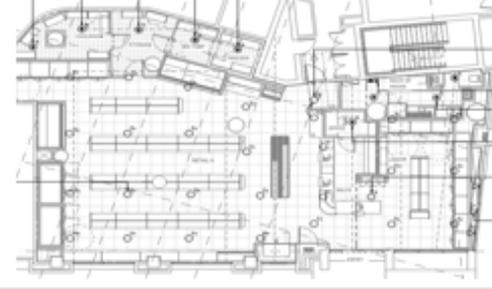
He holds a Mechanical Engineering diploma form WBSCTE, India and having more than 7 years' experience in Building construction Industry for MEP engineering, Drafting, of 3D , 4D , 5D & 6D BIM service .

He is having expertise in MEP engineering calculation, with all Autodesk BIM/CAD tools like Revit , Fabrication, AutoCAD MEP ,Navis works and AutoCAD and has complete knowledge of engineering and drafting services for all stages (Pre/post) of construction process .

He is working in DESIGNING AND DRAWING SOLUTION since from starting period of the company. With a short period of time , He has gained the managing process of the company , client communication, project management process and assisting with innovative (R & D) solution of new process , tools for new requirement of clients.

Project References

Fire

		
Missenden Rd Camperdown Australia Apartment	Canterbury Road Roselands Australia	Chilangos Internal Fitout Melbourne Australia Fitout
		
Brunswick and Co Fortitude Valley Australia Apartment	Kirrawee Kirrawee Australia Residential	IGA Swanston Street Carlton Australia Retail store

Contact US



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