ADVENSER

PARTNERS IN ENGINEERING EXCELLENCE



SINCE 2007

COMPANY OVERVIEW

Advenser is a multinational, multidisciplinary engineering company delivering high-value solutions to the architecture, engineering, and construction (AEC) sector through integrated VDC/BIM workflows, advanced digital technologies, and innovative engineering practices. Since 2007, we have been supporting complex projects internationally, earning a proven reputation for technical rigor, delivery reliability, and sustained growth.

MISSION

Delivering smart, scalable engineering solutions that improve project efficiency and environmental performance.

VISION

To play a defining role in shaping a smarter and more efficient built environment—driven by technology, talent, and trust.

CORE FOCUS

Delivering solutions designed for change, adaptive, scalable, and future-ready.

1K+
CLIENTS

20+
COUNTRIES

10K+
PROJECTS

300+
PEOPLE





ADVENSER DIFFERENTIATORS

Proven Expertise and Global Presence
Serving clients worldwide with a proven track record of successfully delivering complex projects.

Strong Focus on Quality and Accuracy
Multi-tiered quality checks ensure precise, error-free deliverables every time.

Flexible and Scalable Resource Pool
Easily scale teams up or down to match changing project needs without delays.

Competitive Pricing and Cost Predictability
Transparent, cost-effective pricing structures with no hidden surprises.

Technology-Driven Processes
Advanced tools and automation streamline workflows and maximize productivity.

Client-Centric Engagement
Personalized service and proactive communication tailored to your project goals.

Domain-Specific Teams
Dedicated specialists with deep industry knowledge for domain-specific solutions.

Robust Data Security
Strict compliance with global data protection standards to safeguard your information.

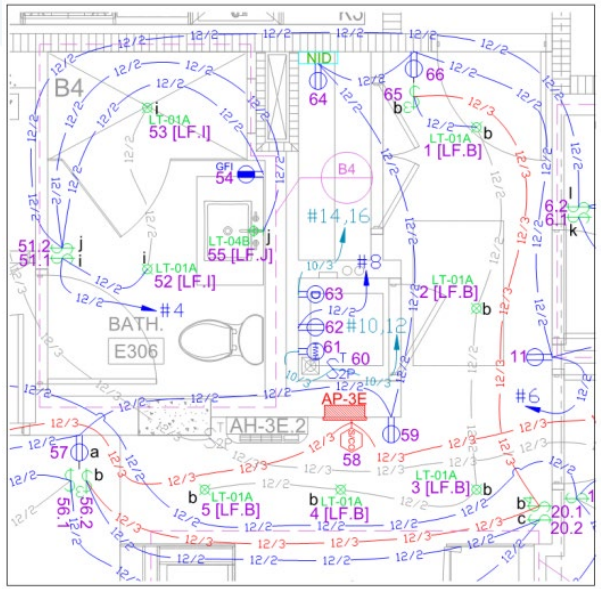
Onshore–Offshore Hybrid Support
A balanced delivery model that blends local presence with global execution strengths.

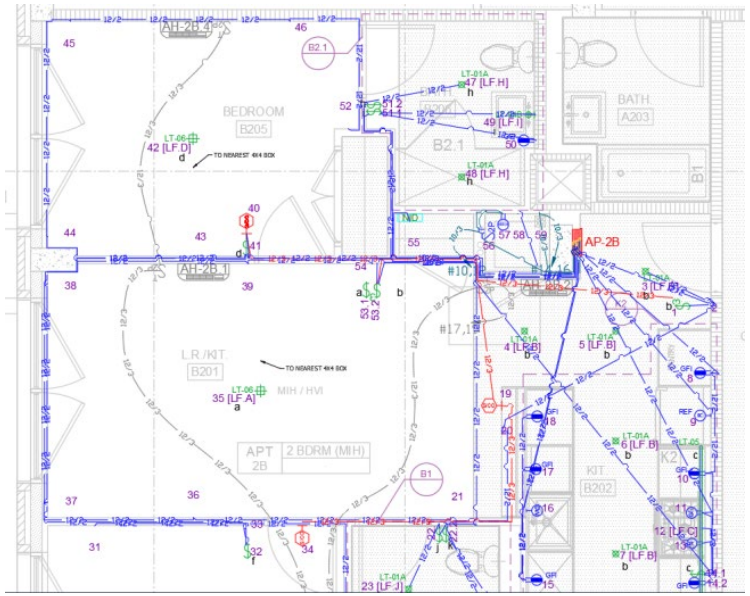
Commitment to Continuous Improvement
Continuous process enhancements to increase efficiency and deliver greater value.

OUR CLIENT BASE



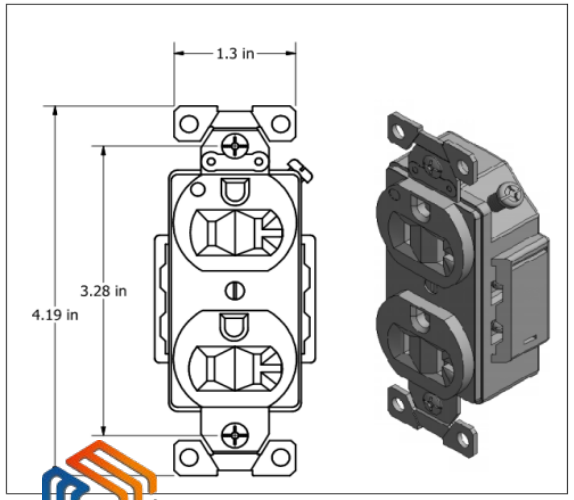
ELECTRICAL ENGINEERING SERVICES

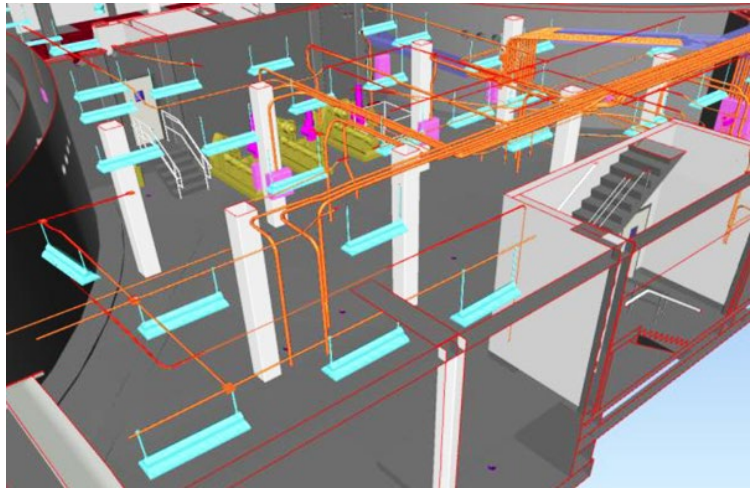


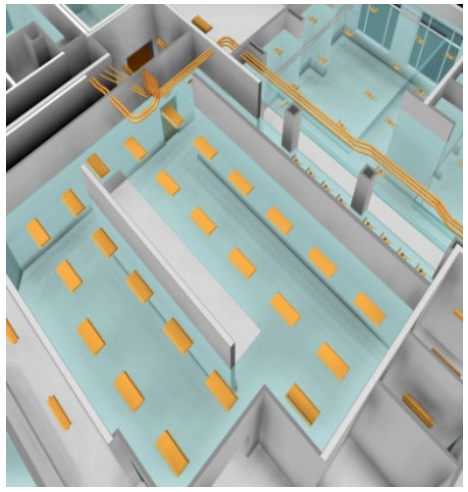


PRE-FAB WIRE SCHEDULE						
APT.	CKT #	FromDevice	RAW LENGTH	TYPE	Route	ToDevice
2A	9	1.1	22.192	12/2-AC BX	OH	15.1 [CKT#9]
2A	9		8.933	12/2-AC BX	OH	3 [LF.A]
2A	9	1.2	11.642	12/2-AC BX	OH	5 [LF.A]
2A	9		21.758	12/3-AC BX	OH	15.1 [CKT#9]
2A	4	12.1	16.817	12/2-AC BX	OH	10 [CKT#4]
2A	4		11.917	12/2-AC BX	OH	11 [LF.G]
2A	4	12.2	8.267	12/2-AC BX	OH	8 [LF.F]
2A	6	13	15.275	12/2-AC BX	OH	2
2A	6	14	24.033	12/2-AC BX	OH	2
2A	6		8.442	12/2-AC BX	IW	17
2A	6	18	10.375	12/2-AC BX	IW	17
2A	6		18.558	12/2-AC BX	OH	19
2A	6	20	9.158	12/2-AC BX	IW	21
2A	6		27.05	12/2-AC BX	OH	19
2A	6	22	25.75	12/2-AC BX	OH	21
2A	5	24	7.1	12/2-AC BX	IW	23
2A	9	25.1	15.1	12/2-AC BX	IW	26 [LF.E]
2A	9		36.958	12/2-AC BX	OH	15.1 [CKT#9]
2A	10,12	31	5.192	10/3-AC BX	IW	30
2A	1	LC	32.142	12/2-AC BX	OH	25.2
2A	10,12		24.233	10/3-AC BX	OH	30
2A	14,16		23.167	10/3-AC BX	OH	33
2A	2		26.317	12/2-AC BX	OH	29
2A	3		27.233	12/2-AC BX	OH	28
2A	4		4.758	12/2-AC BX	IW	12.2
2A	5		37.567	12/2-AC BX	OH	23
2A	6		19.825	12/2-AC BX	OH	2
2A	7		30.725	12/2-AC BX	OH	27
2A	8		23.583	12/2-AC BX	OH	32
2A	9		18.692	12/2-AC BX	OH	15.2
			572.758			

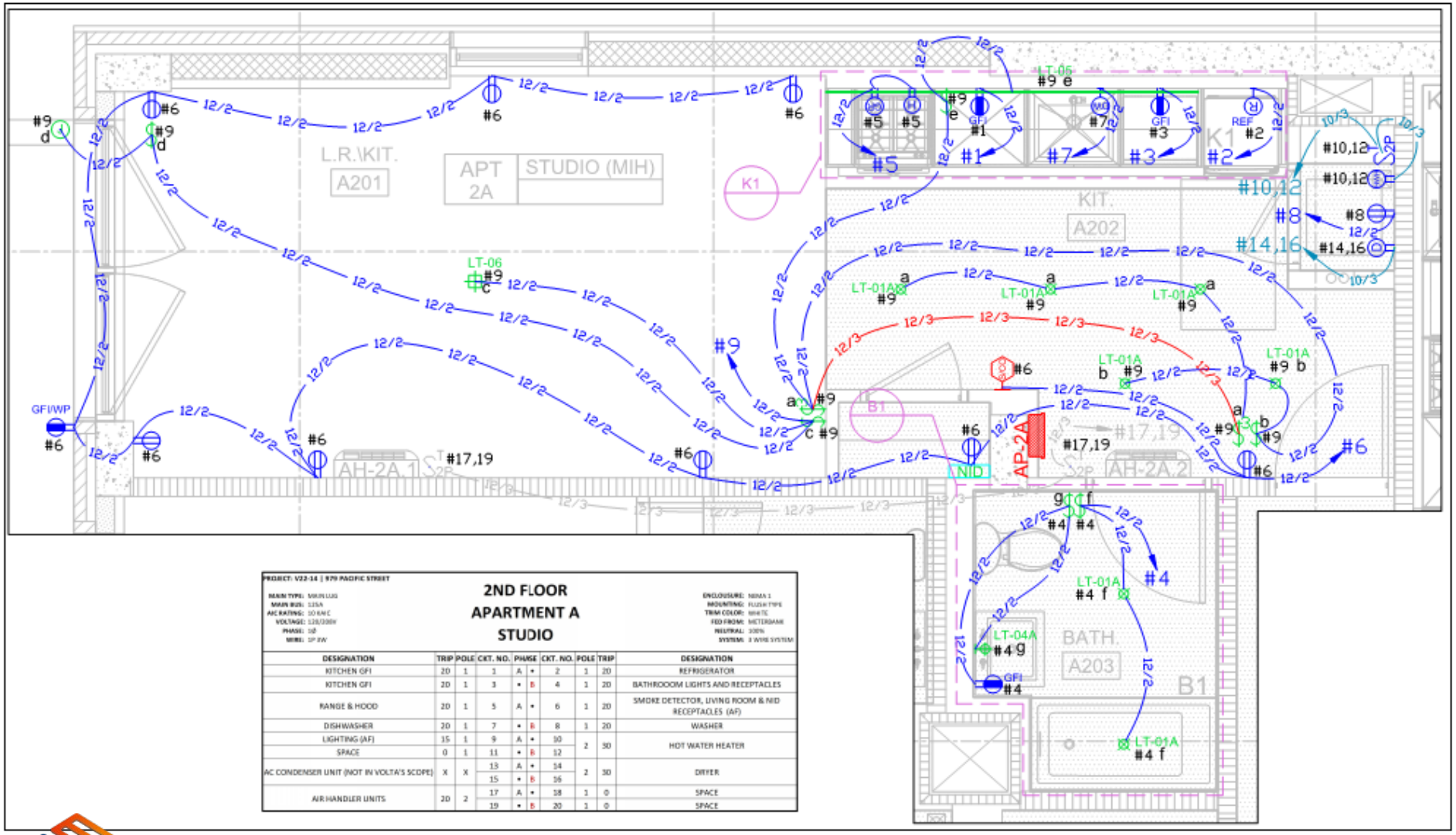
1. Shop drawings
2. Prefabrication drawings
3. Quantity take off
4. Electrical fixture detailing/modeling
5. 3D electrical BIM modeling (containment, conduit, fixtures)







ELECTRICAL SHOP DRAWING



2ND FLOOR
APARTMENT A
STUDIO

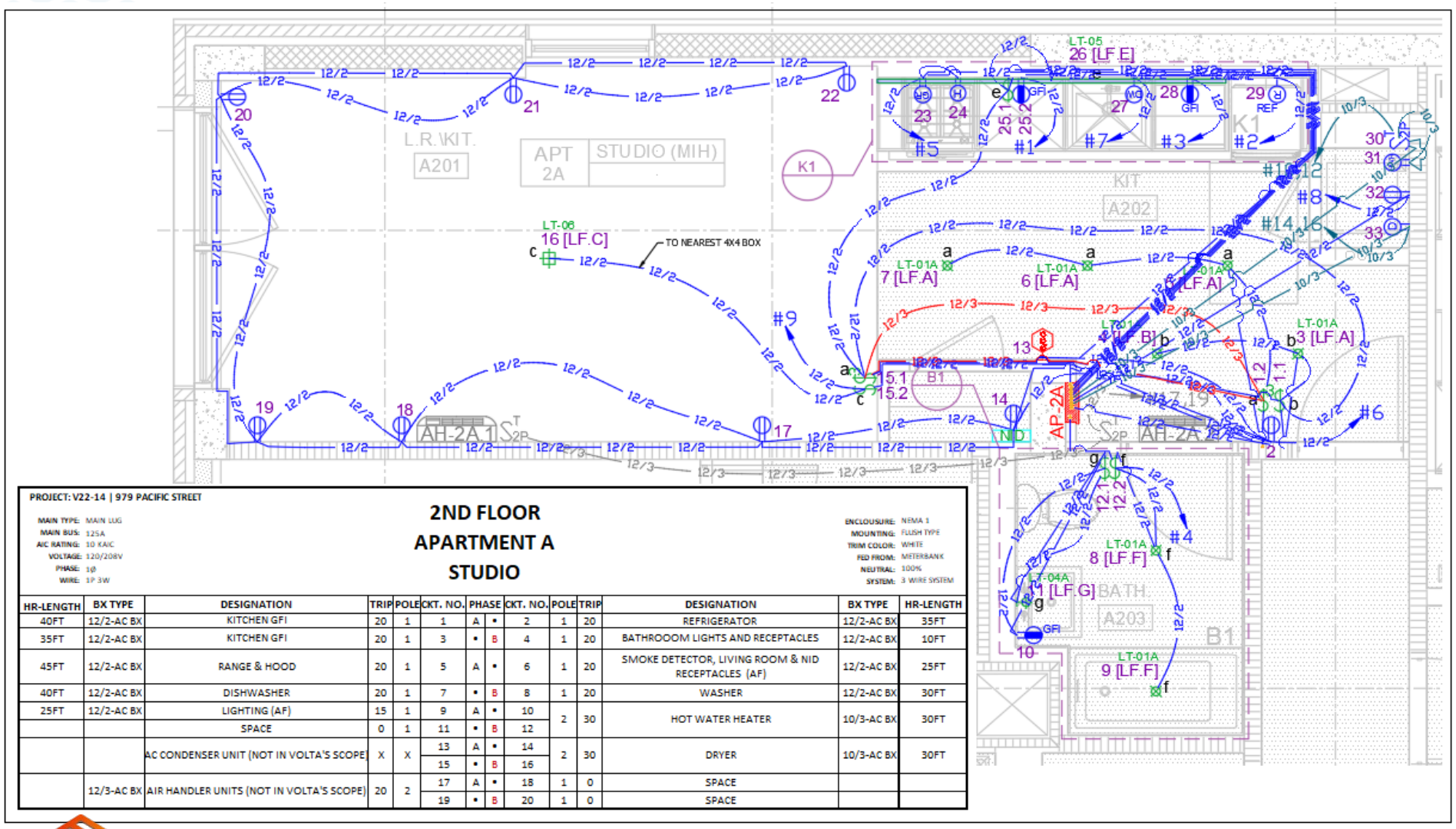
DESIGNATION	TRIP	POLE	CKT. NO.	PHASE	CKT. NO.	POLE	TRIP	DESIGNATION
KITCHEN GFI	20	1	1	A	2	1	20	REFRIGERATOR
KITCHEN GFI	20	1	3	B	4	1	20	BATHROOOM LIGHTS AND RECEPTACLES
RANGE & HOOD	20	1	5	A	6	1	20	SMOKE DETECTOR, LIVING ROOM & NID RECEPTACLES (AF)
DISHWASHER	20	1	7	B	8	1	20	WASHER
LIGHTING (AF)	15	1	9	A	10	2	30	HOT WATER HEATER
SPACE	0	1	11	B	12			
AC CONDENSER UNIT (NOT IN VOLTA'S SCOPE)	X	X	13	A	14	2	30	DRYER
			15	B	16			
AIR HANDLER UNITS	20	2	17	A	18	1	0	SPACE
			19	B	20	1	0	SPACE

The main objective of Shop drawing creation is to assign circuits and define electrical connection between devices, as per load center schedule.

Shop drawing creation is mainly done for systems like Power, Lighting, Fire Alarm, Extra Low Voltage.

Shop drawing generation include procedures like device placement, wire connection between devices, assigning circuit, Section drawing creation and so on.

ELECTRICAL PREFABRICATION DRAWING



PROJECT: V22-14 | 979 PACIFIC STREET

MAIN TYPE: MAIN LUG
MAIN BUS: 125A
AIC RATING: 10 KAIC
VOLTAGE: 120/208V
PHASE: 1Ø
WIRE: 1P 3W

2ND FLOOR
APARTMENT A
STUDIO

ENCLOSURE: NEMA 1
MOUNTING: FLUSH TYPE
TRIM COLOR: WHITE
FED FROM: METERBANK
NEUTRAL: 100%
SYSTEM: 3 WIRE SYSTEM

HR-LENGTH	BX TYPE	DESIGNATION	TRIP	POLE	CKT. NO.	PHASE	CKT. NO.	POLE	TRIP	DESIGNATION	BX TYPE	HR-LENGTH
40FT	12/2-AC BX	KITCHEN GFI	20	1	1	A •	2	1	20	REFRIGERATOR	12/2-AC BX	35FT
35FT	12/2-AC BX	KITCHEN GFI	20	1	3	• B	4	1	20	BATHROOOM LIGHTS AND RECEPTACLES	12/2-AC BX	10FT
45FT	12/2-AC BX	RANGE & HOOD	20	1	5	A •	6	1	20	SMOKE DETECTOR, LIVING ROOM & NID RECEPTACLES (AF)	12/2-AC BX	25FT
40FT	12/2-AC BX	DISHWASHER	20	1	7	• B	8	1	20	WASHER	12/2-AC BX	30FT
25FT	12/2-AC BX	LIGHTING (AF)	15	1	9	A •	10	2	30	HOT WATER HEATER	10/3-AC BX	30FT
		SPACE	0	1	11	• B	12					
		AC CONDENSER UNIT (NOT IN VOLTA'S SCOPE)	X	X	13	A •	14	2	30	DRYER	10/3-AC BX	30FT
					15	• B	16					
	12/3-AC BX	AIR HANDLER UNITS (NOT IN VOLTA'S SCOPE)	20	2	17	A •	18	1	0	SPACE		
					19	• B	20	1	0	SPACE		

The main objective of Prefab drawing creation is to get quantity takeoff and to extract device properties from drawing.

Prefab drawing creation will be commenced after the submitted shop drawing gets approved.

Prefab drawing generation includes device address definition, wire drafting, assembly naming, Home run length details, Wire and device scheduling and so on.

QUANTITY TAKE OFF

PRE-FAB DEVICE SCHEDULE

Quantity	ZONE	APT.	DEVICE ID	CIRCUIT NUMBER	ASSEMBLY TYPE	SPECIAL BOX	FIRE STOP	RAISE COVER
1		2A	1.1	9	UD-L8-2-S,3W_120_15_1			
1		2A	1.2	9	UD-L8-2-S,3W_120_15_1			
1		2A	2	6	UD-L8-1-2R_120_15_1			
1		2A	3 [LF.A]	9	NO ASSEMBLY			
1		2A	4 [LF.B]	9	NO ASSEMBLY			
1		2A	5 [LF.A]	9	NO ASSEMBLY			
1		2A	6 [LF.A]	9	NO ASSEMBLY			
1		2A	7 [LF.A]	9	NO ASSEMBLY			
1		2A	8 [LF.F]	4	NO ASSEMBLY			
1		2A	9 [LF.F]	4	NO ASSEMBLY			
1		2A	10	4	WS-8-1-H-2GR_120_20_1			
1		2A	11 [LF.G]	4	NO ASSEMBLY			
1		2A	12.1	4	UD-R8-2-S,S_120_15_1			
1		2A	12.2	4	UD-R8-2-S,S_120_15_1			
1		2A	13	6	UD-LH-R			
1		2A	14	6	DGEM-2R_120_15_1			
1		2A	15.1	9	UD-L8-2-3W,S_120_15_1			
1		2A	15.2	9	UD-L8-2-3W,S_120_15_1			
1		2A	16 [LF.C]	9	NO ASSEMBLY			
1		2A	17	6	UD-L8-1-2R_120_15_1			
1		2A	18	6	UD-L8-1-2R_120_15_1			
1		2A	19	6	UD-R8-1-2R_120_15_1			
1		2A	20	6	UD-R8-1-2R_120_15_1			
1		2A	21	6	UD-R8-1-2R_120_15_1			
1		2A	22	6	UD-R8-1-2R_120_15_1			
1		2A	23	5	UD-L8-1-2R_120_15_1			
1		2A	24	5	DGEM-1R_120_20_1			
1		2A	25.1	9	WS-8-2-S,2GR_120_15_1			
1		2A	25.2	1	WS-8-2-S,2GR_120_15_1			
1		2A	26 [LF.E]	9	NO ASSEMBLY			
1		2A	27	7	UD-L8-1-1R_120_20_1			
1		2A	28	3	WS-8-1-2GR_120_15_1			
1		2A	29	2	UD-L8-1-1R_120_20_1			
1		2A	30	10,12	UD-L8-1-TS_250_30_2			
1		2A	31	10,12	NO ASSEMBLY			
1		2A	32	8	UD-L8-1-2R_120_15_1			
		2A	33	14,16	UD-L8-2-14_30R			
					0.000			

PRE-FAB WIRE SCHEDULE

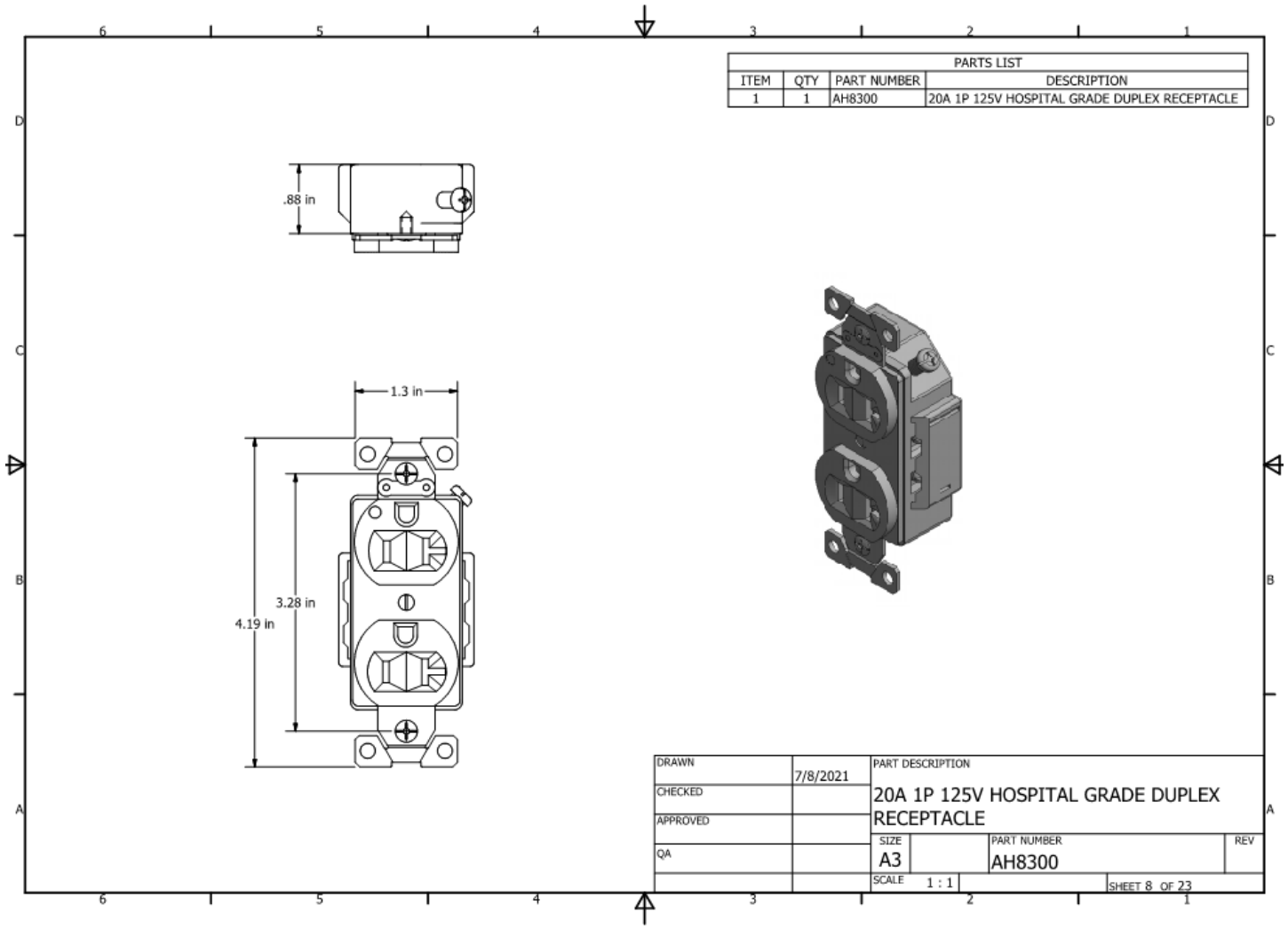
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2A	9	1.2	11.642	12/2-AC BX	OH	5 [LF.A]
2A	9		21.758	12/3-AC BX	OH	15.1 [CKT#9]
2A	4	12.1	16.817	12/2-AC BX	OH	10 [CKT#4]
2A	4		11.917	12/2-AC BX	OH	11 [LF.G]
2A	4	12.2	8.267	12/2-AC BX	OH	8 [LF.F]
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2A	6	22	25.75	12/2-AC BX	OH	21
2A	5	24	7.1	12/2-AC BX	IW	23
2A	9	25.1	15.1	12/2-AC BX	IW	26 [LF.E]
2A	9		36.958	12/2-AC BX	OH	15.1 [CKT#9]
2A	10,12	31	5.192	10/3-AC BX	IW	30
2A	1	LC	32.142	12/2-AC BX	OH	25.2
2A	10,12		24.233	10/3-AC BX	OH	30
2A	14,16		23.167	10/3-AC BX	OH	33
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2A	3		27.233	12/2-AC BX	OH	28
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2A	6		19.825	12/2-AC BX	OH	2
2A	7		30.725	12/2-AC BX	OH	27
2A	8		23.583	12/2-AC BX	OH	32
2A	9		18.692	12/2-AC BX	OH	15.2
			572.758			

The main objective of Quantity take off is to review and estimate the physical materials and their takeoff information, in order to execute the site installation efficiently.

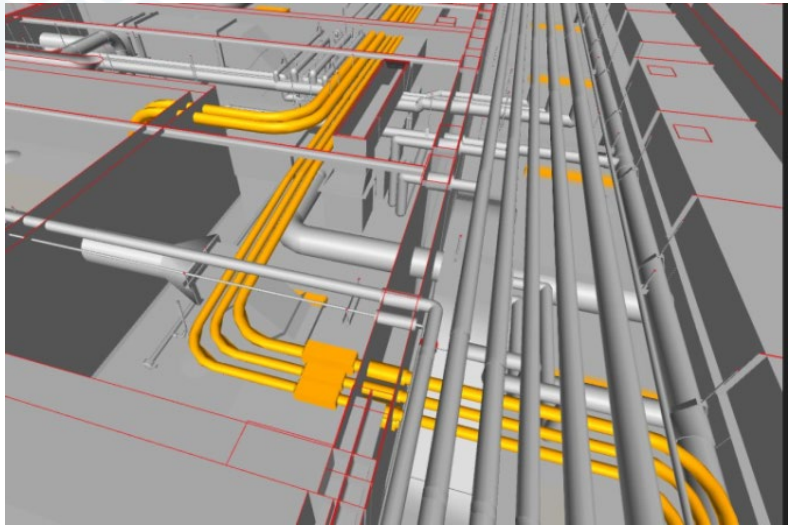
Scheduling can be customized and generated based on client requirement.

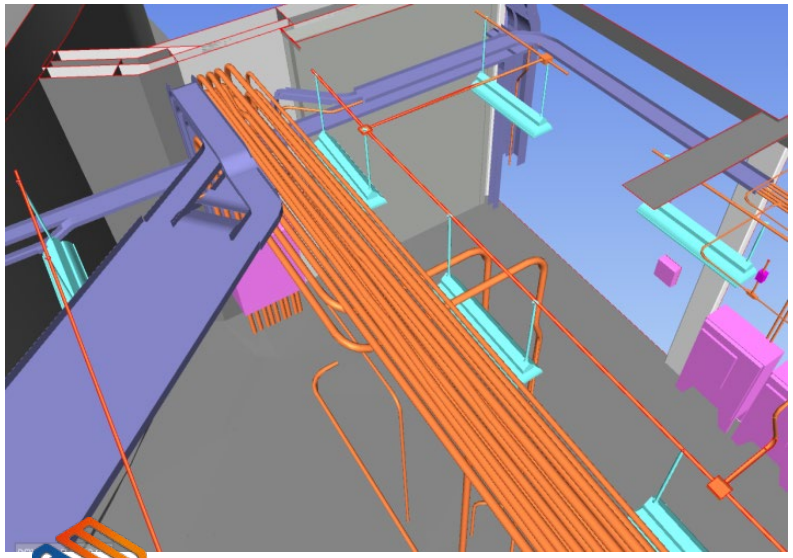
ELECTRICAL FIXTURE MODELING/ DETAILING

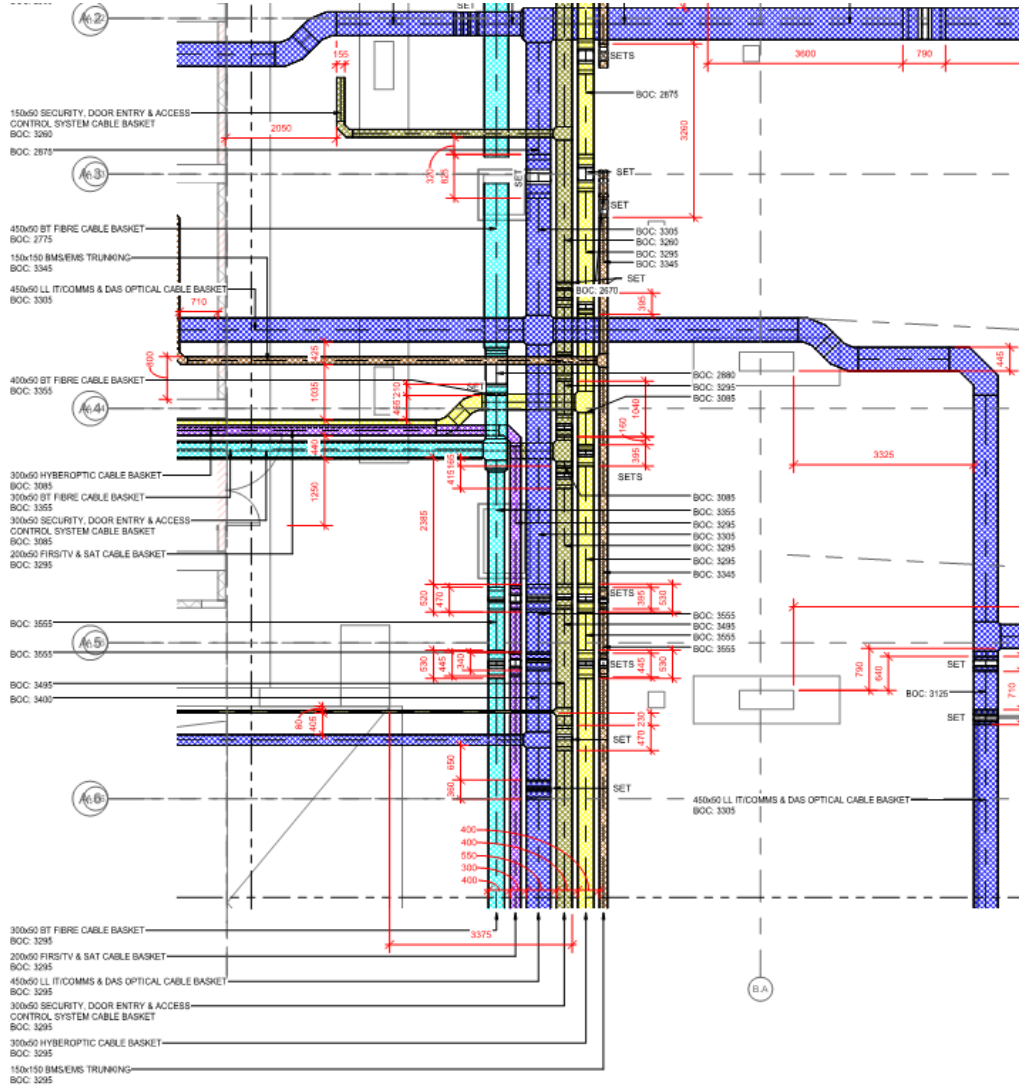
The electrical fixtures like receptacles, switches, lights can be modeled with the required Level of Detailing, based on the client's requirement.



3D ELECTRICAL BIM MODELING







Electrical BIM modeling includes 3D modeling of cable trays, conduits, panels, switches, receptacles, lights and so on.

Clash detection and Coordination of Electrical BIM model with other trades can also be performed.

Coordination drawings based on client requirement can also be generated.

BIM CONSULTING SERVICES

Since 2007, we have been assisting construction companies, general & specialty contractors in their migration to BIM from CAD. We act as a strategic BIM partner to the client educating and training them for seamless migration from CAD drafting to BIM implementation.

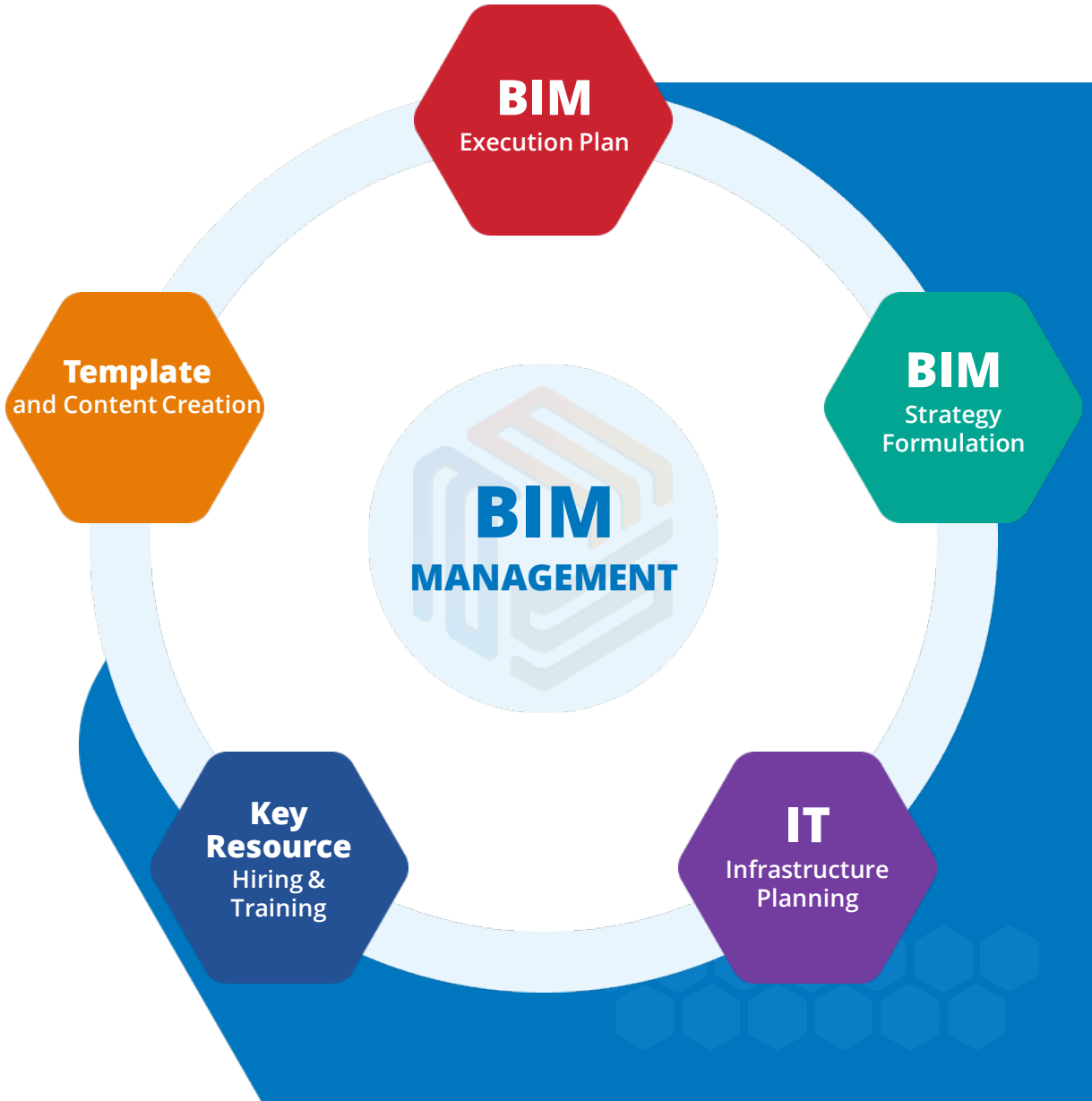
BIM MODEL AUDIT

OFFSHORE BIM TEAM

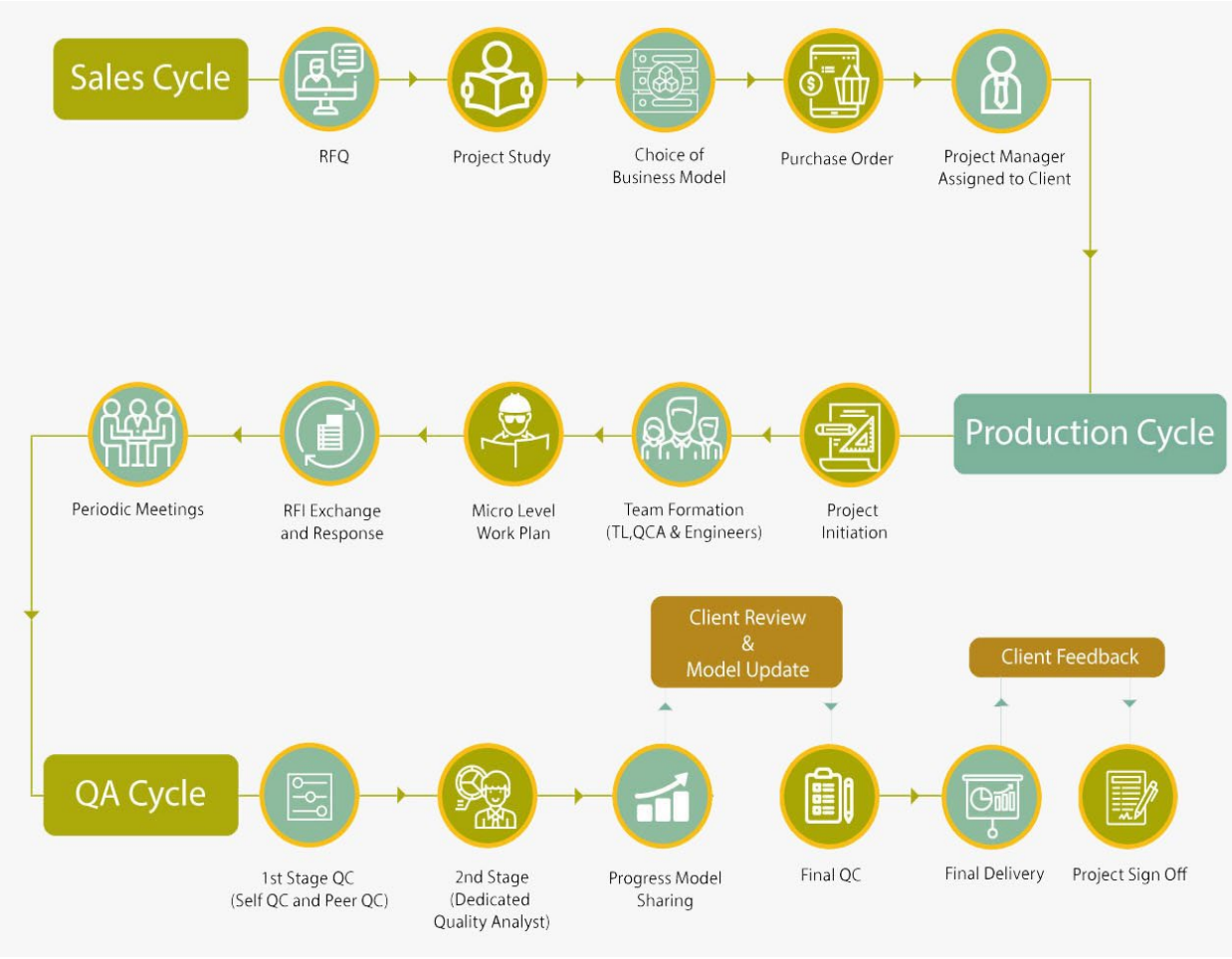
BIM IMPLEMENTATION PLANNING

BIM TRAINING

ON-SITE BIM SUPPORT



OUR DETAILING PROCEDURE



OUR APPROACH

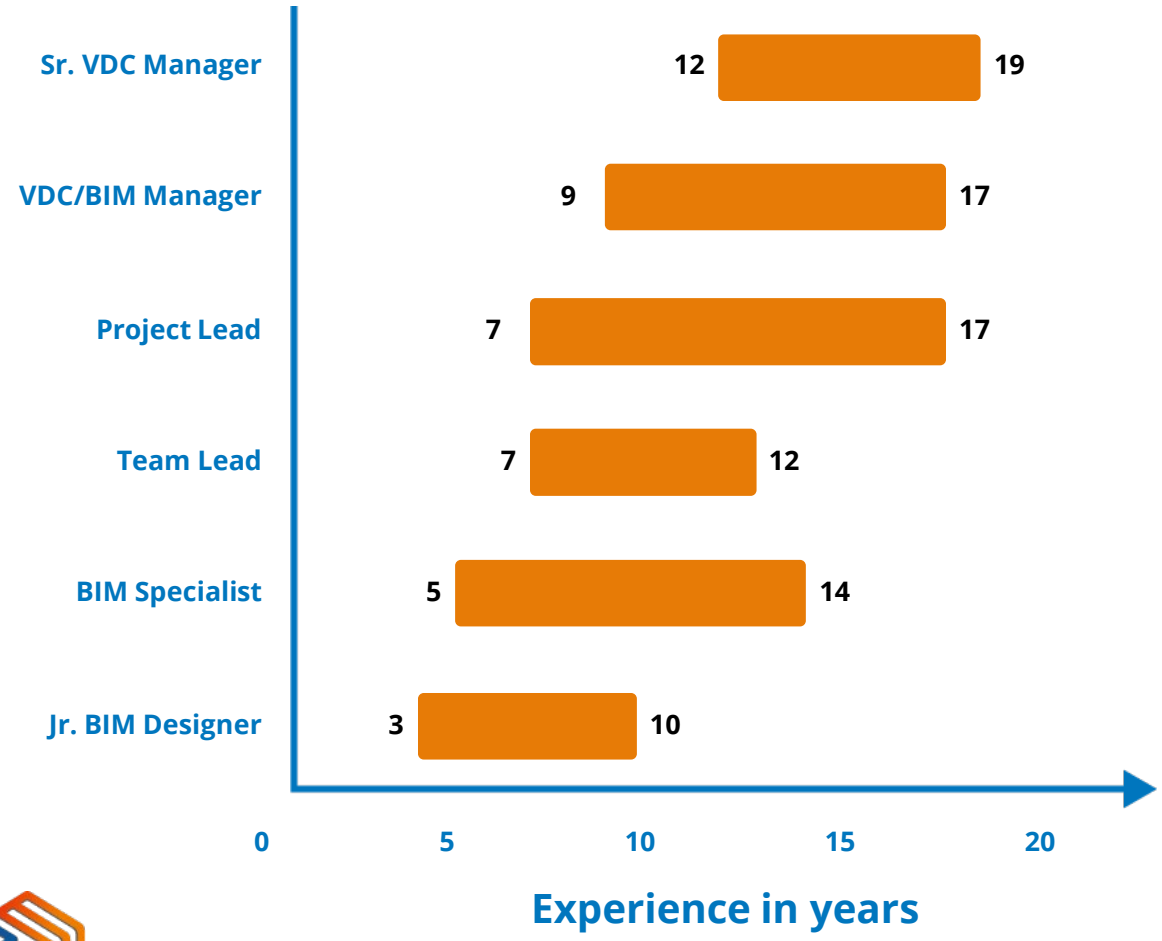
Understanding Client Requirements: With every client, we understand that a different approach may need to be employed with every project, bringing a new set of skills and technology to the table. We devote the time needed to study the objective of the project.

Delivering Solutions: To achieve the goals of the project, our engineers adopt the most appropriate methods, outdoing themselves. Our work is to follow a system driven process incorporating the latest methods in the BIM industry which ensures projects are delivered on time and are nothing short of the highest quality..

Constant Improvement: The engineering team, led by highly capable and seasoned project managers tirelessly learn, research and update themselves to meet the ever-changing and dynamic demands of the AEC industry. Systematic knowledge sharing and perfection of the work process is an ongoing process in Advenser. With every project, we see to it that we always make room for innovation.

Our Promise: Client satisfaction is a promise we assure and we measure our successes on par with that of our client's. We take pride in our past glory & achievements but at the same time strive to make them nothing more than mere milestones in our pursuit of excellence.

TEAM PROFICIENCY & SOFTWARE PROFICIENCY



Revit Suite

BIM 360

AutoCAD

LogiKal

AutoCAD 360 PRO

Autodesk Inventor

Navisworks Manage

MagiCAD

ReCapture

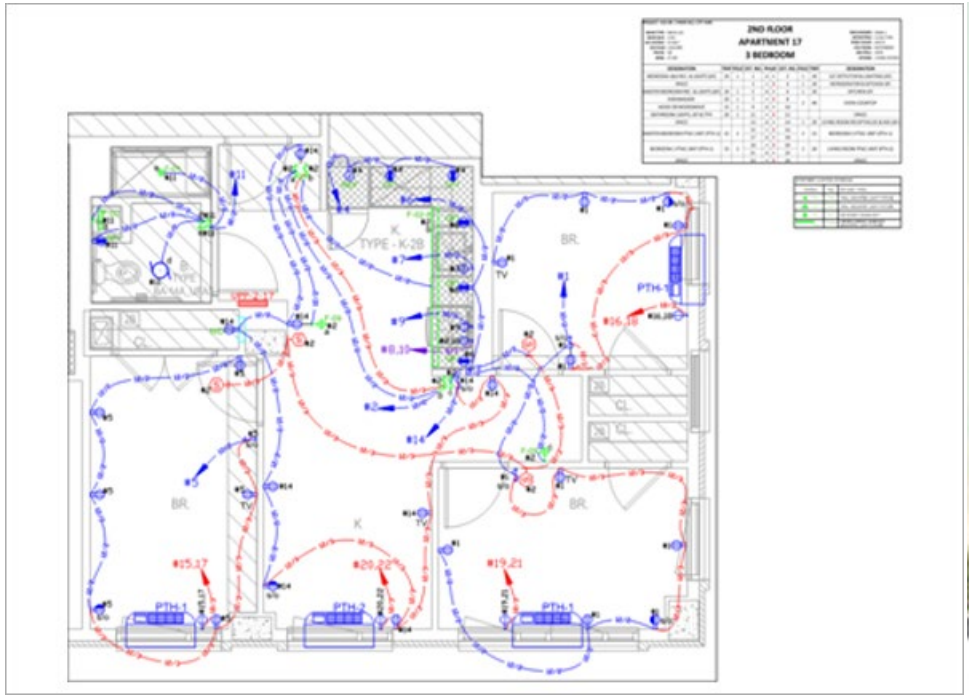
Civil 3D

Building Data

Construction Cloud

FEATURED PROJECTS

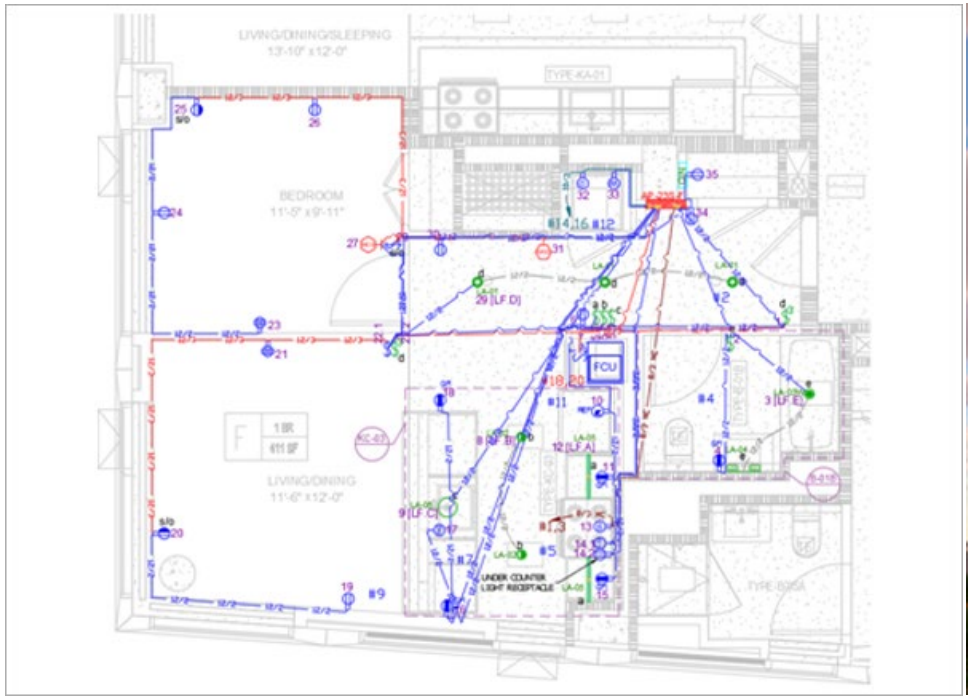
Park Hill City Airs, USA





FEATURED PROJECTS

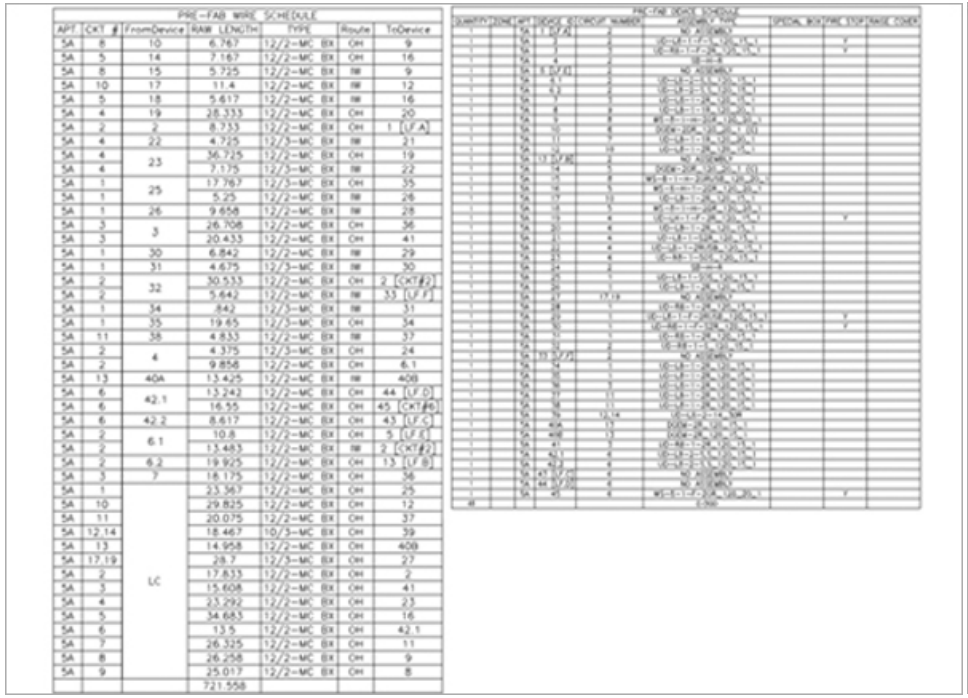
77 Commercial Street, USA





FEATURED PROJECTS

Archer Tower Development, USA



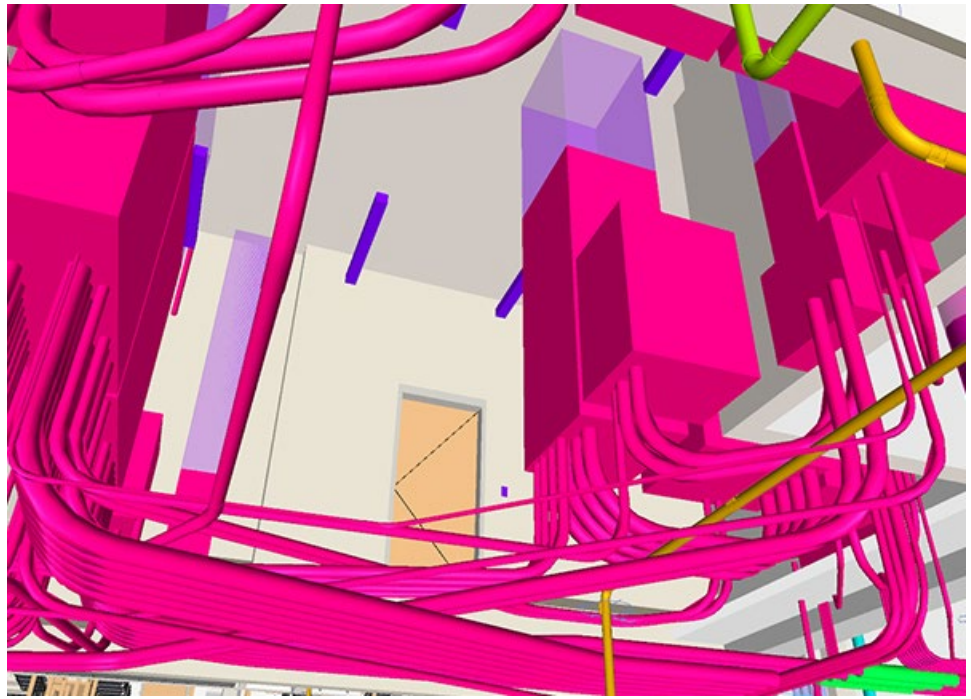
PRE-FAB WIRE SCHEDULE

APT	CKT #	FromDevice	RAW LENGTH	TYPE	Route	ToDevice
5A	8	10	6.767	12/2-MC EX	CH	9
5A	5	14	7.167	12/2-MC EX	CH	16
5A	8	15	5.725	12/2-MC EX	RR	9
5A	10	17	11.4	12/2-MC EX	RR	12
5A	5	18	5.617	12/2-MC EX	RR	16
5A	4	19	28.333	12/2-MC EX	CH	20
5A	2	2	8.733	12/2-MC EX	CH	1 [LF A]
5A	4	22	4.725	12/2-MC EX	RR	21
5A	4	23	36.725	12/2-MC EX	CH	19
5A	4		7.175	12/2-MC EX	RR	22
5A	1	25	17.767	12/2-MC EX	CH	35
5A	1		5.25	12/2-MC EX	RR	26
5A	1	26	9.658	12/2-MC EX	RR	25
5A	3	3	26.708	12/2-MC EX	CH	36
5A	3		20.433	12/2-MC EX	CH	41
5A	1	30	6.842	12/2-MC EX	RR	29
5A	1	31	4.675	12/2-MC EX	RR	30
5A	2	32	30.533	12/2-MC EX	CH	2 [CKT#2]
5A	2		5.642	12/2-MC EX	RR	33 [LF J]
5A	1	34	.642	12/2-MC EX	RR	31
5A	1	35	19.65	12/2-MC EX	CH	34
5A	11	38	4.833	12/2-MC EX	RR	37
5A	2	4	4.375	12/2-MC EX	CH	24
5A	2		9.858	12/2-MC EX	CH	6.1
5A	13	40A	13.425	12/2-MC EX	RR	40B
5A	6	42.1	13.242	12/2-MC EX	CH	44 [LF D]
5A	6		16.55	12/2-MC EX	CH	45 [CKT#6]
5A	6	42.2	8.617	12/2-MC EX	CH	43 [LF C]
5A	2	6.1	10.8	12/2-MC EX	CH	5 [LF E]
5A	2		13.483	12/2-MC EX	RR	2 [CKT#2]
5A	2	6.2	19.925	12/2-MC EX	CH	13 [LF B]
5A	3	7	18.175	12/2-MC EX	CH	36
5A	1	LC	23.367	12/2-MC EX	CH	25
5A	10		29.825	12/2-MC EX	CH	12
5A	11		20.075	12/2-MC EX	CH	37
5A	12.14		18.467	10/3-MC EX	CH	39
5A	13		14.958	12/2-MC EX	CH	40B
5A	17.19		28.7	12/3-MC EX	CH	27
5A	2		17.833	12/2-MC EX	CH	2
5A	3		15.608	12/2-MC EX	CH	41
5A	4		23.292	12/2-MC EX	CH	23
5A	5		34.683	12/2-MC EX	CH	16
5A	6		13.5	12/2-MC EX	CH	42.1
5A	7		26.325	12/2-MC EX	CH	11
5A	8		26.258	12/2-MC EX	CH	9
5A	9		25.017	12/2-MC EX	CH	8
			721.558			



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THANK YOU

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