ADDENDUM
NO. 1

December 13, 2021

Lawrence Central High School Pool, 7300 E. 56th St., Indianapolis, IN 46226

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and Drawings dated December 1, 2021, by Schmidt Associates. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 1-1 through ADD 1-2 and attached Schmidt Associates Addendum No. 1, dated December 13, 2021 consisting of 2 pages and Drawing Sheets: A-600.1, EP101.1, EP1M1.1, EP1M2.1, E-401.1, E-601.1, E-603., E-604.1 and TF101.1

BID

The Bid on Wednesday January 12, 2022 at 2:00 PM will be a Virtual Bid Opening.
Bids may be dropped off in the Lobby of the Administration Building.
The bids will be taken to the Board Room, opened, and read live over Microsoft Teams Virtual Meetings.

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+1 317-762-3960,,214579611# United States, Indianapolis
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A. SPECIFICATION SECTION 00 00 20 TABLE OF CONTENTS

Add Sections

32 31 19 Decorative Metal Fences and Gates

B. SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY

A. GENERAL REQUIREMENTS

Provided by all contractors as applicable:

01 21 00 Allowances
01 83 00.99 Facility Shell Performance Requirements

B. BID CATEGORY NO. 21 - GENERAL TRADES

See the attached sketch regarding **BC #21** and **BC #29** scope.

L. BID CATEGORY NO. 29 – AQUATIC CONSTRUCTION

See the attached sketch regarding **BC #21** and **BC #29** scope.

N. BID CATEGORY NO. 31 – PLUMBING and HVAC

Add the following Specification Sections

23 82 23.98 Vertical Unit Ventilators

O. BID CATEGORY NO. 32 – ELECTRICAL & TECHNOLOGY

Add the following Specification Sections

27 05 44 Sleeves & Sleeve Seals for Communications Pathways & Cabling
27 13 00 Communications Backbone Cabling
27 15 13 Communications Copper Horizontal Cabling
27 51 20.99 Sound Reinforcement System (Pool)
27 77 10.99 Audio/Video Systems

C. SPECIFICATION SECTION 01 32 00 SCHEDULES AND REPORTS

See the attached Guideline Schedule.

ADDENDUM NO. 1
DECEMBER 13, 2021

PREPARED BY SCHMIDT ASSOCIATES FOR:
LAWRENCE CENTRAL HIGH SCHOOL POOL
LAWRENCE TOWNSHIP, M.S.D. OF

This Addendum consists of 2 Addendum pages and 9 attachment pages totaling 11 pages.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the Bid to disqualification. This Addendum is part of the Contract Documents.

Bidder is encouraged to verify with reprographer of record all Addenda issued (do not rely exclusively on third party plan room services).

PART 1 - CHANGES TO PRIOR ADDENDA (NOT APPLICABLE)

PART 2 - CHANGES TO THE PROJECT MANUAL

Modifications described herein shall be incorporated in the Project Manual. All other Work shall remain unchanged.

2.1 DIVISION 05 – METALS

A. **Section 055000 "METAL FABRICATIONS"**

1. DELETE Subparagraph 1.2 A. 2. & Subparagraph 1.2 A. 4. in their entirety.

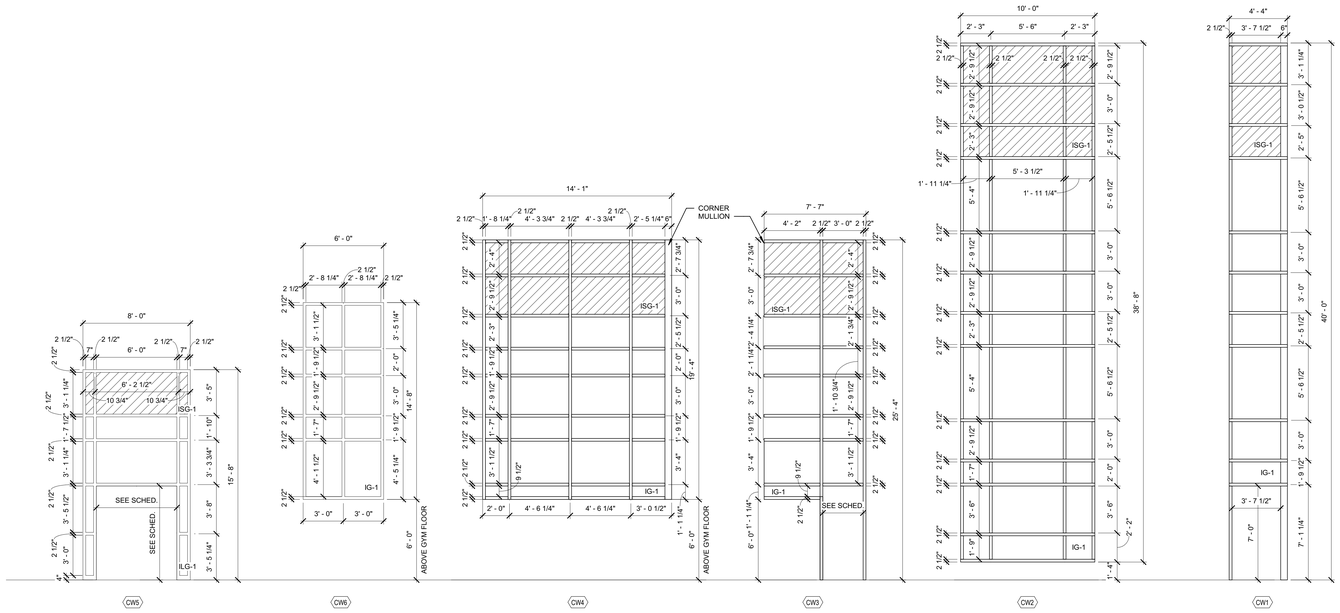
PART 3 - CHANGES TO THE DRAWINGS

Modifications described herein shall be incorporated in the Drawings. All other Work shall remain unchanged.

3.1 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS

	DRAWING NO.	INDICATE ACTION: REPLACE (R), ADD (A), DELETE (D)
A-SERIES DRAWINGS		
	A-600.1	DELETE AND REPLACE
E-SERIES DRAWINGS		
	EP101.1	DELETE AND REPLACE
	EP1M1.1	DELETE AND REPLACE
	EP1M2.1	DELETE AND REPLACE
	E-401.1	DELETE AND REPLACE
	E-601.1	DELETE AND REPLACE
	E-603.1	DELETE AND REPLACE
	E-604.1	DELETE AND REPLACE
T-SERIES DRAWINGS		
	TF101.1	ADD

END OF ADDENDUM 1



CW FRAME ELEVATIONS
1/4" = 1'-0"

DOOR & FRAME SCHEDULE

MARK	DOOR PANEL TYPE	QTY	MATL	GLAZ	SIZE H	SIZE W	SIZE TH	FRAME MARK	FRAME MATL	FRAME GLAZ	LABEL	HDWR SET	NOTES	MARK
A104	DG	1	AL	TG	7' - 0"	3' - 0"	0' - 1 3/4"	SF1	AL	--		11		A104
A112.1	F	1	WD	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		08	4	A112.1
A112.2	OHC		ST	--	4' - 0"	8' - 0"	0' - 0 3/4"	OH	--	--		39		A112.2
A112A	F	1	WD	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		10	4	A112A
A114	F	1	WD	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		18		A114
A116.1	DG	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	-- A1		24	4	A116.1
A116.2	DG	1	FRP	TG	7' - 0"	3' - 0"	0' - 1 3/4"	F4	FRP	TG		27	4	A116.2
A116A	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		19	4	A116A
A118.1	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		26		A118.1
A118.2	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		28	4	A118.2
A118A	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		14	4	A118A
A118D.1	F	1	FRP	--	7' - 0"	3' - 6"	0' - 1 3/4"	F2	FRP	--		14	4	A118D.1
A118D.2	F	2	FRP	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	FRP	--		21	4	A118D.2
A120.1	F		WD	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		26		A120.1
A120.2	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		28	4	A120.2
A120A	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		14	4	A120A
A120D.1	F	1	FRP	--	7' - 0"	3' - 6"	0' - 1 3/4"	F2	FRP	--		14	4	A120D.1
A120D.2	F	2	FRP	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	FRP	--		21	4	A120D.2
A122	F	2	FRP	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	FRP	--	45 MIN	38	4	A122
A122B	FG	1	FRP	TG	7' - 8"	3' - 0"	0' - 1 3/4"	F7	FRP	TG		09	4	A122B
A122C.1	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		08	4	A122C.1
A122C.2	FG	1	FRP	TG	7' - 0"	3' - 0"	0' - 1 3/4"	F6	FRP	TG		08	4	A122C.2
A122D	F	2	FRP	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	FRP	--		21		A122D
A122F	F	2	FRP	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	FRP	--		21	4	A122F
A124.1	F	2	FRP	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	FRP	--		22	4	A124.1
A124.2	F	2	FRP	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	FRP	--		21	4	A124.2
A124A	F	2	FRP	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	FRP	--		21	4	A124A
A126A	F	2	FRP	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	FRP	-- A1		21	4	A126A
A210	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		13	4	A210
AC103	F	1	WD	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		17		AC103
AC110.1	DG	2	AL	TG	7' - 0"	6' - 0"	0' - 1 3/4"	SF4 A1	AL	TG		32	4	AC110.1
AC110.2	DG	1	FRP	TG	7' - 0"	3' - 0"	0' - 1 3/4"	F4	FRP	TG		29	4	AC110.2
AC110.3	F	1	HM	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		12	4	AC110.3
AC210	DG	2	FRP	TG	7' - 0"	6' - 0"	0' - 1 3/4"	F10	FRP	TG A1		36	4 A1	AC210
AM120	F	1	WD	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		17		AM120
AM212	F	2	FRP	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	FRP	--		23	4	AM212
AR104	F	1 A1	WD	--	7' - 0"	3' - 0"	0' - 1 3/4"	SF2	AL	LG		05	5	AR104
AR106	F	1	HM	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		01	4	AR106
AR108	F	1	HM	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		02	4	AR108
AR110	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		07	4	AR110
AR116	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		06	4	AR116
AR122A	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		07	4	AR122A
AR122B	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		07	4	AR122B
AR122C	F	1	FRP	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	FRP	--		04	4	AR122C
AS122.1	DG	1	AL	IG	7' - 0"	3' - 7 1/2"	0' - 1 3/4"	CW1	AL A1	IG		30 A1		AS122.1
AS122.2	F	1	FRP	--	7' - 0"	3' - 6"	0' - 1 3/4"	F2	FRP	--		25	4	AS122.2
AS222	F	1	FRP	--	7' - 0"	3' - 6"	0' - 1 3/4"	F2	FRP	--		27	4	AS222
J101.1	F	2	HM	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	HM	--	45 MIN	34		J101.1
J101.2	F	2	HM	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	HM	--	45 MIN	34		J101.2
N100.1	F	2	HM	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	HM	--	45 MIN	34		N100.1
N100.2	F	2	HM	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	HM	--	45 MIN	34		N100.2
N100.3	DG	1	AL	IG	7' - 0"	3' - 0"	0' - 1 3/4"	CW3	AL	IG		31		N100.3
N100A	F	2	HM	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	HM	--		20		N100A
N100B	NV	1	WD	TG	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		15		N100B
NC100	F		HM	--	7' - 0"	6' - 0"	0' - 1 3/4"	F2	HM	--	45 MIN	37		NC100
NM100.1	F	1	HM	--	7' - 0"	3' - 6"	0' - 1 3/4"	F1	HM A1	--	90 MIN	35		NM100.1
NM100.2	F	1	HM	--	7' - 0"	3' - 6"	0' - 1 3/4"	F1	HM	--	90 MIN	35		NM100.2
NM102	F	1	HM	--	7' - 0"	3' - 0"	0' - 1 3/4"	F1	HM	--	45 MIN	16		NM102
NS100	F	1	FRP	--	7' - 0"	3' - 6"	0' - 1 3/4"	F2	FRP	--	45 MIN	35	4	NS100
NS200	F	1	FRP	--	7' - 0"	3' - 6"	0' - 1 3/4"	F2	FRP	--		29	4	NS200
NV100.1	DG	2	AL	IG	7' - 0"	6' - 0"	0' - 1 3/4"	CW6	AL	IG		33		NV100.1
NV100.2	DG	2	AL	TG	7' - 0"	6' - 0"	0' - 1 3/4"	SF3	AL	TG		03		NV100.2

GENERAL NOTES

A. This Door Schedule(s) is furnished for whatever assistance it may afford the Contractor. Do not consider it as entirely inclusive. Carefully examine the Drawings (especially the Floor Plans) and the Specifications to determine the extent of door and frame quantities required (including interior borrowed lite or sidelite openings). Should any particular door, frame, or interior borrowed lite or sidelite shown on the Drawings be inadvertently omitted from this Schedule, supply same as required for similar openings.

B. The "QTY" column designates the number of leaves in the opening. The "Door Width" column designates the total width of all leaves. In multiple leaf conditions, the leaves shall equally divide the "Door Width" unless noted otherwise; however, the active leaf shall not be less than 3'-0" wide.

C. Door Type "X" denotes a frame with no door such as a borrowed lite, reference Frame Elevations.

D. An asterisk (*) in a dimension denotes a width that varies, reference plans, elevations, details and schedules.

E. Verify locksets with the Owner during submittals.

ABBREVIATIONS

AL	Aluminum
HM	Hollow Metal
ST	Steel
WD	Wood
TG	Tempered Glazing
IG	Insulated Glazing
LG	Laminated Glazing
FG	Frosted Glazing
SP	Spandrel Panel
ISG	Insulated Spandrel Glass
FRP	Fiberglass Reinforced Plastic
OH	Overhead Door

DOOR & FRAME SCHEDULE NOTES

See Door Schedule

1. Existing door and frame to remain. New hardware only. Field verify all existing door and frame information as required for installation of new hardware.

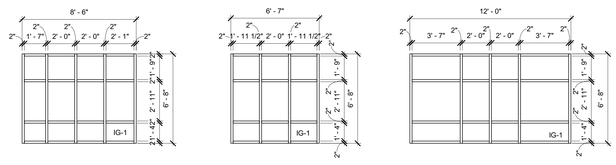
2. New door/frame in existing masonry wall. Tooth in new masonry into existing as required.

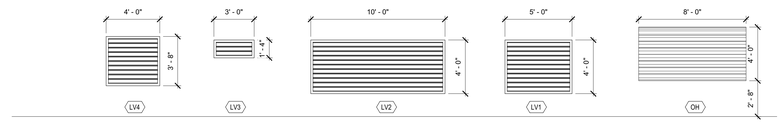
3. Set door in frame to allow for 180° door swing.

4. Provide door gasket.

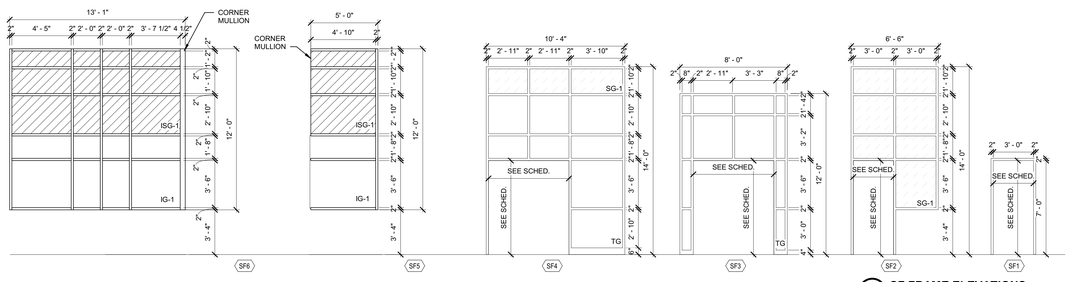
5. Laminated glazing w/ opaque innerlayer.

A1

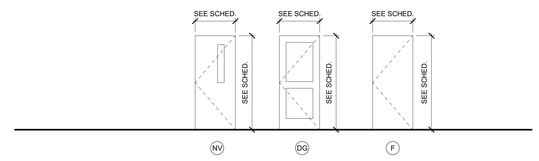




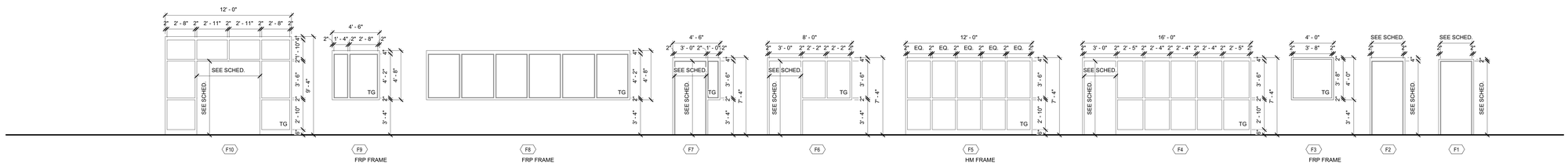
LOUVER AND OVERHEAD DOOR ELEVATION
1/4" = 1'-0"



SF FRAME ELEVATIONS
1/4" = 1'-0"



5.4.602 - DOOR PANEL ELEVATIONS
1/4" = 1'-0"



5.4.603 - DOOR FRAME ELEVATIONS
1/4" = 1'-0"

SCHMIDT ASSOCIATES
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Project No. 2018-050.LCP
Project Date 12.01.2021
Produced RB TP

SARAH KATHLEEN HEMPSTEAD REGISTERED No. AR10400134 STATE OF INDIANA ARCHITECT

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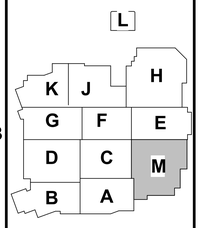
#	Revision	Date
A1	Addendum #1	12.13.2021

7300 E 56th St.
Lawrence, IN 46226



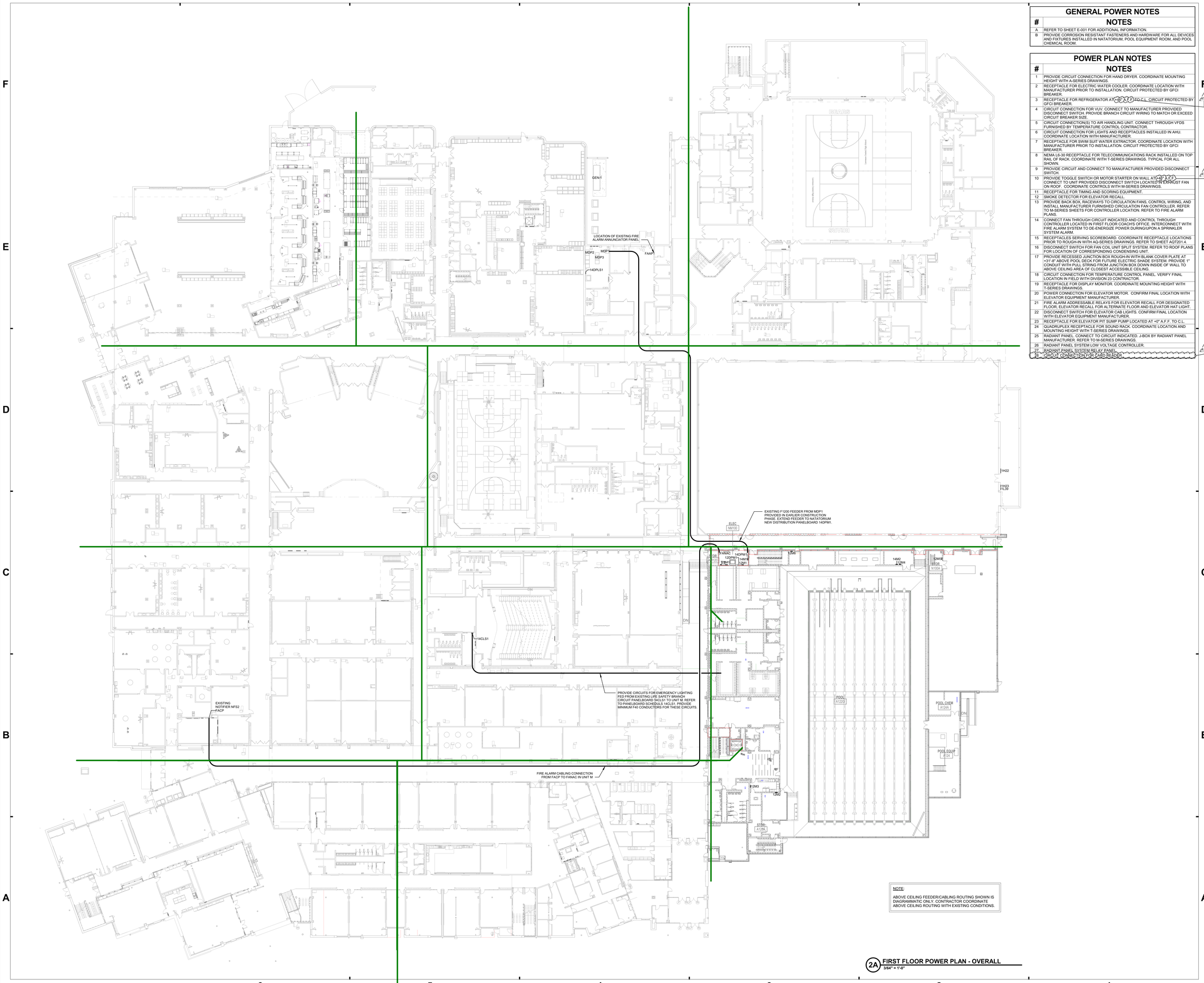
KEY PLAN

MSD OF LAWRENCE TOWNSHIP

LAWRENCE CENTRAL HIGH SCHOOL POOL

DOOR AND FRAME SCHEDULE

A-600.1



2A FIRST FLOOR POWER PLAN - OVERALL
3/64" = 1'-0"

GENERAL POWER NOTES

#	NOTES
A	REFER TO SHEET E-001 FOR ADDITIONAL INFORMATION.
B	PROVIDE CORROSION RESISTANT FASTENERS AND HARDWARE FOR ALL DEVICES AND FIXTURES INSTALLED IN NATATORIUM, POOL EQUIPMENT ROOM, AND POOL CHEMICAL ROOM.

POWER PLAN NOTES

#	NOTES
1	PROVIDE CIRCUIT CONNECTION FOR HAND DRYER. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS.
2	RECEPTACLE FOR ELECTRIC WATER COOLER. COORDINATE LOCATION WITH MANUFACTURER PRIOR TO INSTALLATION. CIRCUIT PROTECTED BY GFCI BREAKER.
3	RECEPTACLE FOR REFRIGERATOR AT +48" A.F.F. TO C.L. CIRCUIT PROTECTED BY GFCI BREAKER.
4	CIRCUIT CONNECTION FOR VUV. CONNECT TO MANUFACTURER PROVIDED DISCONNECT SWITCH. PROVIDE BRANCH CIRCUIT WIRING TO MATCH OR EXCEED CIRCUIT BREAKER SIZE.
5	CIRCUIT CONNECTION(S) TO AIR HANDLING UNIT. CONNECT THROUGH VFDS FURNISHED BY TEMPERATURE CONTROL CONTRACTOR.
6	CIRCUIT CONNECTION FOR LIGHTS AND RECEPTACLES INSTALLED IN AHU. COORDINATE LOCATION WITH MANUFACTURER.
7	RECEPTACLE FOR SWIM SUIT WATER EXTRACTOR. COORDINATE LOCATION WITH MANUFACTURER PRIOR TO INSTALLATION. CIRCUIT PROTECTED BY GFCI BREAKER.
8	NEMA L6-30 RECEPTACLE FOR TELECOMMUNICATIONS RACK INSTALLED ON TOP RAIL OF RACK. COORDINATE WITH T-SERIES DRAWINGS. TYPICAL FOR ALL SHOWN.
9	PROVIDE CIRCUIT AND CONNECT TO MANUFACTURER PROVIDED DISCONNECT SWITCH.
10	PROVIDE TOGGLE SWITCH OR MOTOR STARTER ON WALL AT +48" A.F.F. CONNECT TO UNIT PROVIDED DISCONNECT SWITCH LOCATED IN EXHAUST FAN ON ROOF. COORDINATE CONTROLS WITH M-SERIES DRAWINGS.
11	RECEPTACLE FOR TIMING AND SCORING EQUIPMENT.
12	SMOKE DETECTOR FOR ELEVATOR RECALL.
13	PROVIDE BACK BOX, RACEWAYS TO CIRCULATION FANS, CONTROL WIRING, AND INSTALL MANUFACTURER FURNISHED CIRCULATION FAN CONTROLLER. REFER TO M-SERIES SHEETS FOR CONTROLLER LOCATION. REFER TO FIRE ALARM PLANS.
14	CONNECT FAN THROUGH CIRCUIT INDICATED AND CONTROL THROUGH CONTROLLER LOCATED IN FIRST FLOOR COACH'S OFFICE. INTERCONNECT WITH FIRE ALARM SYSTEM TO DE-ENERGIZE POWER DURING/UPON A SPRINKLER SYSTEM ALARM.
15	RECEPTACLES SERVING SCOREBOARD. COORDINATE RECEPTACLE LOCATIONS PRIOR TO ROUGH-IN WITH AQ-SERIES DRAWINGS. REFER TO SHEET AQT201.4.
16	DISCONNECT SWITCH FOR FAN COIL UNIT SPLIT SYSTEM. REFER TO ROOF PLANS FOR LOCATION OF CORRESPONDING CONDENSING UNIT.
17	PROVIDE RECESSED JUNCTION BOX ROUGH-IN WITH BLANK COVER PLATE AT +31'-8" ABOVE POOL DECK FOR FUTURE ELECTRIC SHADE SYSTEM. PROVIDE 1" CONDUIT WITH PULL STRING FROM JUNCTION BOX DOWN INSIDE OF WALL TO ABOVE CEILING AREA OF CLOSEST ACCESSIBLE CEILING.
18	CIRCUIT CONNECTION FOR TEMPERATURE CONTROL PANEL. VERIFY FINAL LOCATION IN FIELD WITH DIVISION 23 CONTRACTOR.
19	RECEPTACLE FOR DISPLAY MONITOR. COORDINATE MOUNTING HEIGHT WITH T-SERIES DRAWINGS.
20	POWER CONNECTION FOR ELEVATOR MOTOR. CONFIRM FINAL LOCATION WITH ELEVATOR EQUIPMENT MANUFACTURER.
21	FIRE ALARM ADDRESSABLE RELAYS FOR ELEVATOR RECALL FOR DESIGNATED FLOOR, ELEVATOR RECALL FOR ALTERNATE FLOOR AND ELEVATOR HAT LIGHT.
22	DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTS. CONFIRM FINAL LOCATION WITH ELEVATOR EQUIPMENT MANUFACTURER.
23	RECEPTACLE FOR ELEVATOR PIT SUMP PUMP LOCATED AT +6" A.F.F. TO C.L.
24	QUADRUPLEX RECEPTACLE FOR SOUND RACK. COORDINATE LOCATION AND MOUNTING HEIGHT WITH T-SERIES DRAWINGS.
25	RADIANT PANEL. CONNECT TO CIRCUIT INDICATED. J-BOX BY RADIANT PANEL MANUFACTURER. REFER TO M-SERIES DRAWINGS.
26	RADIANT PANEL SYSTEM LOW VOLTAGE CONTROLLER.
27	RADIANT PANEL SYSTEM RELAY PANEL
28	CIRCUIT CONNECTION FOR CARD READER.

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Project No. 2018-050.LCP
Project Date 12.01.2021
Produced JTH EAG

SARAH KATHLEEN HEMPSTEAD REGISTERED No. AR10400134 STATE OF INDIANA ARCHITECT

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#	Revision	Date
A1.1	Addendum #1	12.13.2021

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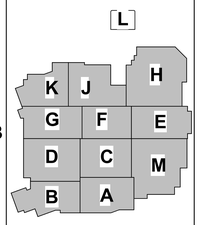
Indianapolis, IN 46226

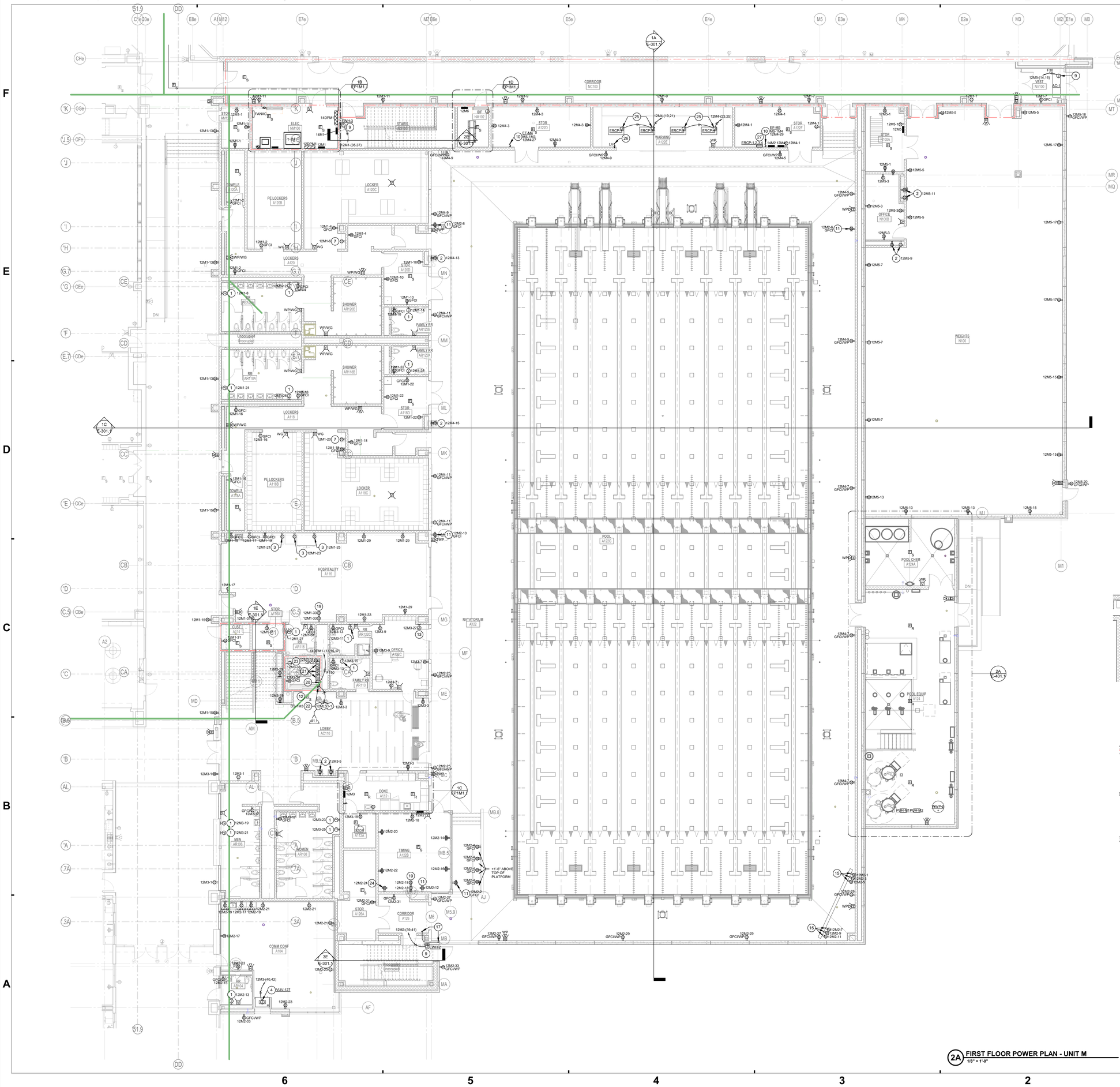


KEY PLAN

MSD OF LAWRENCE TOWNSHIP

FIRST FLOOR POWER PLAN - OVERALL

EP101.1



GENERAL POWER NOTES

#	NOTES
A	REFER TO SHEET E-001 FOR ADDITIONAL INFORMATION.
B	PROVIDE CORROSION RESISTANT FASTENERS AND HARDWARE FOR ALL DEVICES AND FIXTURES INSTALLED IN NATATORIUM, POOL EQUIPMENT ROOM, AND POOL CHEMICAL ROOM.

POWER PLAN NOTES

#	NOTES
1	PROVIDE CIRCUIT CONNECTION FOR HAND DRYER. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS.
2	RECEPTACLE FOR ELECTRIC WATER COOLER. COORDINATE LOCATION WITH MANUFACTURER PRIOR TO INSTALLATION. CIRCUIT PROTECTED BY GFCI BREAKER.
3	RECEPTACLE FOR REFRIGERATOR AT +48" A.F.F. TO C.L. CIRCUIT PROTECTED BY GFCI BREAKER.
4	CIRCUIT CONNECTION FOR VUV. CONNECT TO MANUFACTURER PROVIDED DISCONNECT SWITCH. PROVIDE BRANCH CIRCUIT WIRING TO MATCH OR EXCEED CIRCUIT BREAKER SIZE.
5	CIRCUIT CONNECTION(S) TO AIR HANDLING UNIT. CONNECT THROUGH VFDS FURNISHED BY TEMPERATURE CONTROL CONTRACTOR.
6	CIRCUIT CONNECTION FOR LIGHTS AND RECEPTACLES INSTALLED IN AHU. COORDINATE LOCATION WITH MANUFACTURER.
7	RECEPTACLE FOR SWIM SUIT WATER EXTRACTOR. COORDINATE LOCATION WITH MANUFACTURER PRIOR TO INSTALLATION. CIRCUIT PROTECTED BY GFCI BREAKER.
8	NEMA L6-30 RECEPTACLE FOR TELECOMMUNICATIONS RACK INSTALLED ON TOP RAIL OF RACK. COORDINATE WITH T-SERIES DRAWINGS. TYPICAL FOR ALL SHOWN.
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11	RECEPTACLE FOR TIMING AND SCORING EQUIPMENT.
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14	CONNECT FAN THROUGH CIRCUIT INDICATED AND CONTROL THROUGH CONTROLLER LOCATED IN FIRST FLOOR COACHES OFFICE. INTERCONNECT WITH FIRE ALARM SYSTEM TO DE-ENERGIZE POWER DURING/UPON A SPRINKLER SYSTEM ALARM.
15	RECEPTACLES SERVING SCOREBOARD. COORDINATE RECEPTACLE LOCATIONS PRIOR TO ROUGH-IN WITH AQ-SERIES DRAWINGS. REFER TO SHEET AQT201.4.
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17	PROVIDE RECESSED JUNCTION BOX ROUGH-IN WITH BLANK COVER PLATE AT +31'-8" ABOVE POOL DECK FOR FUTURE ELECTRIC SHADE SYSTEM. PROVIDE 1" CONDUIT WITH PULL STRING FROM JUNCTION BOX DOWN INSIDE OF WALL TO ABOVE CEILING AREA OF CLOSEST ACCESSIBLE CEILING.
18	CIRCUIT CONNECTION FOR TEMPERATURE CONTROL PANEL. VERIFY FINAL LOCATION IN FIELD WITH DIVISION 23 CONTRACTOR.
19	RECEPTACLE FOR DISPLAY MONITOR. COORDINATE MOUNTING HEIGHT WITH T-SERIES DRAWINGS.
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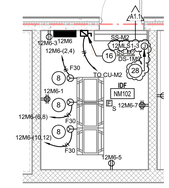
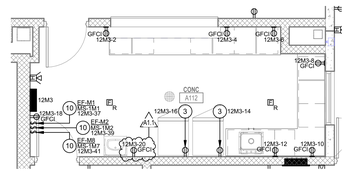


1D ENLARGED POWER PLAN - IDF NM102
1/4" = 1'-0"



1C ENLARGED POWER PLAN - CONCESSIONS
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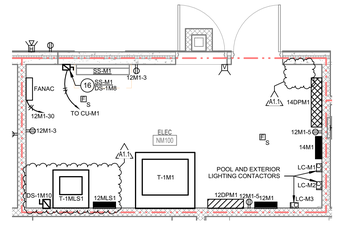

1B ENLARGED POWER PLAN - ELEC NM100
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PROVIDE THE FOLLOWING RACEWAY ITEMS IN ROOM A122, NATATORIUM AND ROOMS A124/A124A POOL EQUIP/POOL CHEM AS REQUIRED:

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-STAINLESS STEEL EXPANSION ANCHORS.

-STAINLESS STEEL CONDUIT AND CABLE SUPPORTS.

-STAINLESS STEEL CABLE FOR SUSPENDING LIGHT FIXTURES.

-NON-METALLIC COATINGS ON STEEL SLOTTED SUPPORT SYSTEMS.

2A FIRST FLOOR POWER PLAN - UNIT M
1/8" = 1'-0"

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415 Massachusetts Avenue
Indianapolis, IN 46204
www.schmidt-arch.com

Project No. 2018-050.LCP
Project Date 12.01.2021
Produced JTH EAG

SARAH KATHLEEN HEMPSTEAD REGISTERED No. AR10400134 STATE OF INDIANA ARCHITECT

Sarah K Hempstead

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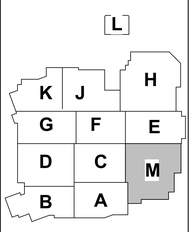
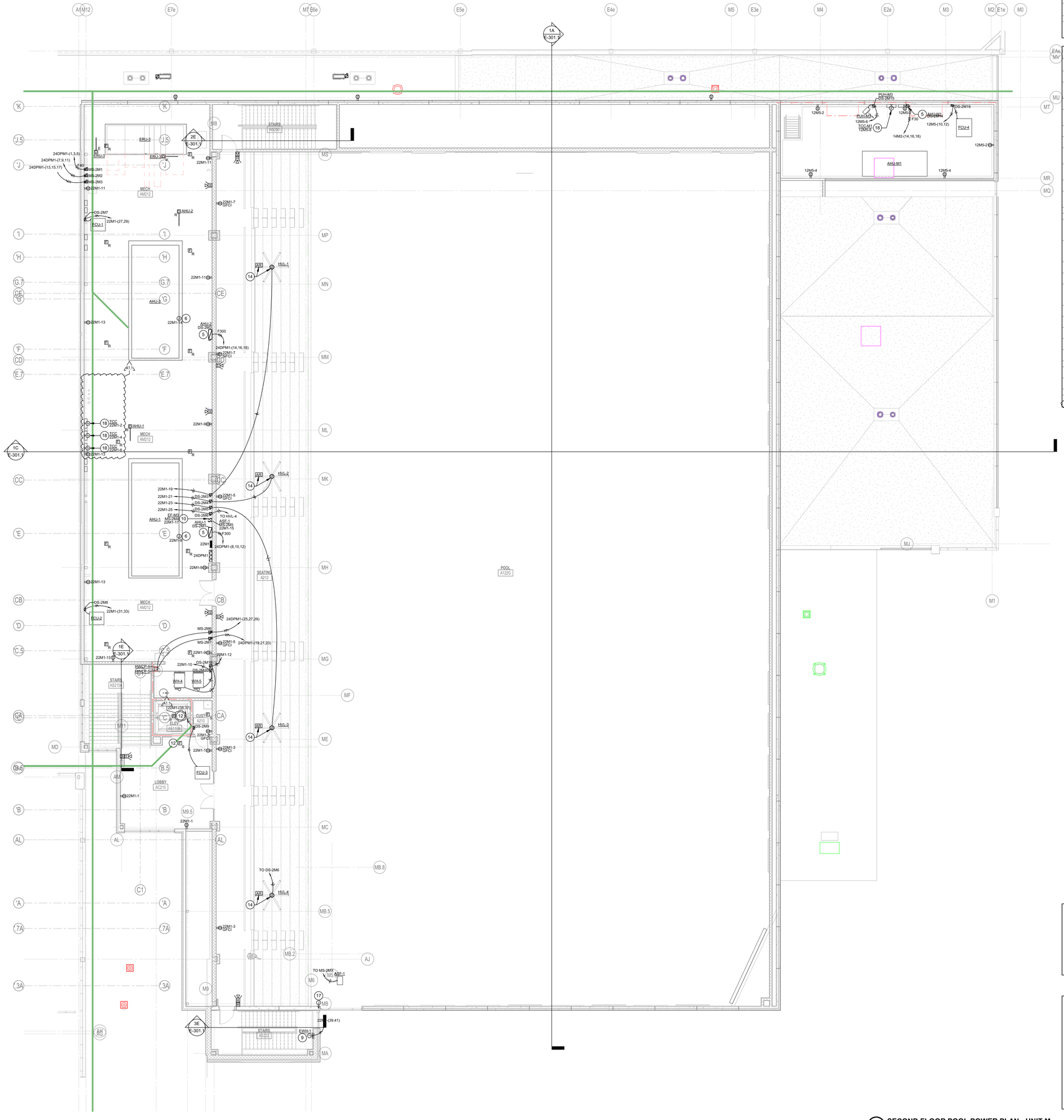


KEY PLAN

MSD OF LAWRENCE TOWNSHIP

FIRST FLOOR POWER PLAN - UNIT M

EP1M1.1



2A **SECOND FLOOR POOL POWER PLAN - UNIT M**
1/8" = 1'-0"

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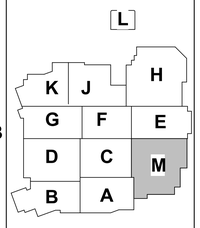

KEY PLAN

MSD OF LAWRENCE TOWNSHIP

POOL MEZZANINE
POWER PLAN - UNIT M

EP1M2.1

POOL EQUIPMENT SCHEDULE

ITEM	EQUIPMENT DESCRIPTION	VOLTAGE	PHASE	AMP	PANEL	CIRCUIT #	WIRE SIZE	WIRE QTY P	WIRE QTY N	WIRE QTY G	REMARKS
P7A	FILTER CIRCULATION PUMP (FCP)	480 V	3	44.00 A			F60	3	0	1	CONNECT THROUGH FCP VFD
P7B	FILTER CIRCULATION PUMP (FCP)	480 V	3	44.00 A			F60	3	0	1	CONNECT THROUGH FCP VFD
P8	AUXILLARY PUMP (ASR)	480 V	3	44.00 A			F60	3	0	1	CONNECT THROUGH ASR VFD
P9A	FCP VARIABLE FREQUENCY DRIVE UNIT	480 V	3	44.00 A	14M2	1,3,5	F60	3	0	1	VFD FURNISHED BY POOL EQUIPMENT CONTRACTOR, INSTALLED BY DIVISION 26 CONTRACTOR.
P9B	FCP VARIABLE FREQUENCY DRIVE UNIT	480 V	3	44.00 A	14M2	7,9,11	F60	3	0	1	VFD FURNISHED BY POOL EQUIPMENT CONTRACTOR, INSTALLED BY DIVISION 26 CONTRACTOR.
P10	ASR VARIABLE FREQUENCY DRIVE	480 V	3	44.00 A	14M2	13,15,17	F60	3	0	1	VFD FURNISHED BY POOL EQUIPMENT CONTRACTOR, INSTALLED BY DIVISION 26 CONTRACTOR.
P13	WATER LEVEL CONTROLLER W/AUTO FILL	120 V	1	16.00 A	12M4	30	F50	1	1	1	VERIFY CONNECTION AND LOCATION
P17A	ASR WATER LEVEL CONTROLLER W/ AUTO FILL	120 V	1	16.00 A	12M4	44	F20	1	1	1	VERIFY CONNECTION AND LOCATION
P17B	ASR WATER LEVEL CONTROLLER W/ AUTO FILL	120 V	1	16.00 A	12M4	46	F20	1	1	1	VERIFY CONNECTION AND LOCATION
P18A	GAS FIRED POOL HEATER	120 V	1	16.00 A	12M4	22	F20	1	1	1	DIRECT CONNECTION THROUGH LOCAL NEMA 4X DISCONNECT SWITCH.
P18B	GAS FIRED POOL HEATER	120 V	1	16.00 A	12M4	26	F20	1	1	1	DIRECT CONNECTION THROUGH LOCAL NEMA 4X DISCONNECT SWITCH.
P19A	POOL HEATER CIRCULATING PUMP	120 V	1	16.00 A	12M4	24	F20	1	1	1	DIRECT CONNECTION THROUGH LOCAL NEMA 4X DISCONNECT SWITCH.
P19B	POOL HEATER CIRCULATING PUMP	120 V	1	16.00 A	12M4	28	F20	1	1	1	DIRECT CONNECTION THROUGH LOCAL NEMA 4X DISCONNECT SWITCH.
P21	REGENERATIVE FILTER AIR COMPRESSOR AND RECEIVER	480 V	3	3.40 A	14M2	19,21,23	F20	3	0	1	DIRECT CONNECTION THROUGH LOCAL NEMA 4X COMBINATION MOTOR STARTER SWITCH.
P22	REGENERATIVE FILTER VACUUM TRANSFER UNIT	120 V	1	16.00 A	12M4	32	F20	1	1	1	NEMA 5-20 GFCI RECEPTACLE.
P31A	CHLORINE METERING PUMP	120 V	1	0.00 A			F20	1	1	1	CONNECT THROUGH CHEMICAL CONTROLLER. VERIFY CONNECTION.
P31B	CHLORINE METERING PUMP	120 V	1	0.00 A			F20	1	1	1	CONNECT THROUGH CHEMICAL CONTROLLER. VERIFY CONNECTION.
P32A	ACID METERING PUMP	120 V	1	0.00 A			F20	1	1	1	CONNECT THROUGH CHEMICAL CONTROLLER. VERIFY CONNECTION.
P32B	ACID METERING PUMP	120 V	1	0.00 A			F20	1	1	1	CONNECT THROUGH CHEMICAL CONTROLLER. VERIFY CONNECTION.
P33	CHEMICAL CONTROLLER	120 V	1	16.00 A	12M4	20	F20	1	1	1	DIRECT CONNECTION.
P34A	UV CONTROLLER	208 V	1	28.85 A	12M4	36,38	F30	2	0	1	DIRECT CONNECTION THROUGH LOCAL NEMA 4X DISCONNECT SWITCH.
P34B	UV CONTROLLER	208 V	1	28.85 A	12M4	40,42	F30	2	0	1	DIRECT CONNECTION THROUGH LOCAL NEMA 4X DISCONNECT SWITCH.
P35A	UV LIGHT CHAMBER	208 V	1	0.00 A			F30	2	0	1	CONNECT THROUGH UV LIGHT CONTROLLER. VERIFY CONNECTION.
P35B	UV LIGHT CHAMBER	208 V	1	0.00 A			F30	2	0	1	CONNECT THROUGH UV LIGHT CONTROLLER. VERIFY CONNECTION.
P62	BUBBLER AIR COMPRESSOR	208 V	3	17.50 A	12M4	14,16,18	F30	3	0	1	DIRECT CONNECTION THROUGH LOCAL NEMA 4X COMBINATION MOTOR STARTER SWITCH.
P133	ELECTRIC BEAM HOIST	120 V	1	16.00 A	12M4	34	F20	1	1	1	NEMA 5-20 GFCI RECEPTACLE.

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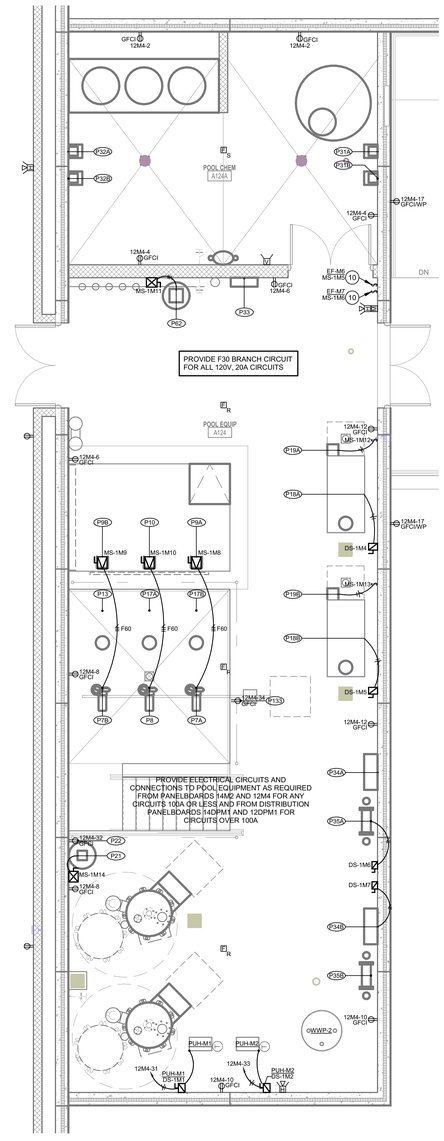

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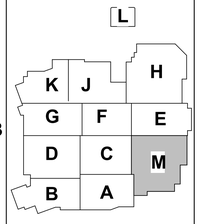
Indianapolis, IN 46226



KEY PLAN

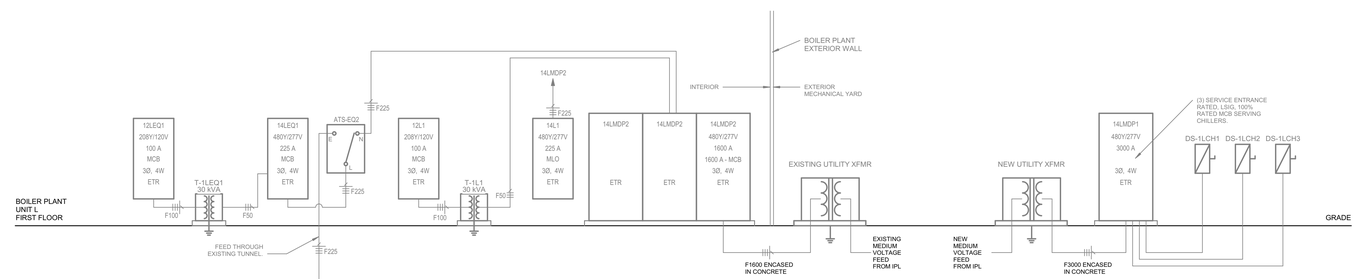
MSD OF LAWRENCE TOWNSHIP

ENLARGED POWER PLANS

E-401.1

FEEDER SCHEDULE (ALUMINUM)				
	CONDUCTOR SIZE PER CONDUIT		CONDUIT SIZE & QUANTITY	
FEEDER LABEL	PHASE & NEUTRAL	EQUIP/SERV GROUND	3P,1G	3P,1N,1G	3P,2N,1G
F100	1/0	6	1-1/2"	2"	2"
F110	1/0	4	1-1/2	2"	2"
F125	2/0	4	1-1/2"	2"	2"
F150	3/0	4	2"	2"	2-1/2"
F175	4/0	4	2"	2-1/2"	2-1/2"
F200	250	4	2"	2-1/2"	3"
F225	300	2	2-1/2"	3"	3"
F250	350	2	2-1/2"	3"	3"
F300	500	2	3"	3"	3-1/2"
F350	4/0	1	(2) 2"	(2) 2-1/2"	(2) 2-1/2"
F400	250	1	(2) 2-1/2"	(2) 2-1/2"	(2) 3"
F450	300	1/0	(2) 2-1/2"	(2) 3"	(2) 3"
F500	350	1/0	(2) 2-1/2"	(2) 3"	(2) 3"
F600	500	2/0	(2) 3"	(2) 3-1/2"	(2) 3-1/2"
F700	350	3/0	(3) 2-1/2"	(3) 3"	(3) 3"
F800	500	3/0	(3) 3"	(3) 3-1/2"	(3) 3-1/2"
F900	500	4/0	(3) 3"	(3) 3-1/2"	(3) 3-1/2"
F1000	350	4/0	(4) 3"	(4) 3-1/2"	(4) 3-1/2"
F1200	500	250	(4) 3"	(4) 3-1/2"	(4) 3-1/2"
F1600	500	350	(6) 3"	(6) 3-1/2"	(6) 4"
F2000	500	400	(7) 3"	(7) 3-1/2"	(7) 4"
F2500	500	600	(9) 3-1/2"	(9) 3-1/2"	(9) 4"
F3000	500	600	(10) 3-1/2"	(10) 3-1/2"	(10) 4"

FEEDER & BRANCH CIRCUIT SCHEDULE (COPPER)								
	CONDUCTOR SIZE PER CONDUIT		CONDUIT SIZE & QUANTITY					
FEEDER/BRANCH CIRCUIT LABEL	PHASE & NEUTRAL	EQUIP/SERV GROUND	1P,1N,1G 3P,1G	2P,1N,1G 3P,1G	3P,1N,1G 3P,1N	3P,2N,1G	3P,3N,1G	3P,1N,2G
F20	12	12	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
F30	10	10	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
F40	8	10	3/4"	3/4"	1"	1"	1"	1"
F50	6	10	1"	1"	1"	1-1/4"	1-1/4"	1"
F60	4	10	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/4"
F70	4	8	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/4"
F80	3	8	1"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/4"
F90	2	8	1"	1-1/4"	1-1/2"	1-1/2	2"	1-1/2"
F100	1	8	1-1/4"	1-1/2"	1-1/2"	2"	2"	2"
F110	1	6	1-1/4"	1-1/2"	2"	2"	2-1/2"	2"
F125	1/0	6	1-1/4"	1-1/2"	2"	2"	2-1/2"	2"
F150	1/0	6	1-1/4"	1-1/2"	2"	2"	2-1/2"	2"
F175	2/0	6	1-1/2"	2"	2"	2-1/2"	2-1/2"	2"
F200	3/0	6	1-1/2"	2"	2"	2-1/2"	3"	2-1/2"
F225	4/0	4	2"	2"	2-1/2"	3"		2-1/2"
F250	250	4	2"	2-1/2"	3"	3"		3"
F300	350	4	2"	2-1/2"	3"	3-1/2"		3"
F350	500	3	2-1/2"	3"	3-1/2"	4"		3-1/2"
F400	3/0	3	(2) 1-1/2"	(2) 2"	(2) 2-1/2"	(2) 2-1/2"		(2) 2-1/2"
F450	4/0	2	(2) 2"	(2) 2"	(2) 2-1/2"	(2) 3"		(2) 2-1/2"
F500	250	2	(2) 2"	(2) 2-1/2"	(2) 3"	(2) 3"		(2) 3"
F600	350	1	(2) 2-1/2"	(2) 3"	(2) 3"	(2) 3-1/2"		(2) 3"
F700	500	1/0	(2) 2-1/2"	(2) 3"	(2) 3-1/2"	(2) 4"		(2) 3-1/2"
F800	350	1/0	(3) 2-1/2"	(3) 3"	(3) 3"	(3) 3-1/2"		(3) 3"
F900	350	2/0	(3) 2-1/2"	(3) 3"	(3) 3"	(3) 3-1/2"		
F1000	500	2/0	(3) 2-1/2"	(3) 3"	(3) 3-1/2"	(3) 4"		
F1200	350	3/0	(4) 2-1/2"	(4) 3"	(4) 3"	(4) 3-1/2"		
F1600	500	4/0	(5) 3"	(5) 3"	(5) 3-1/2"	(5) 4"		
F2000	500	250	(6) 3"	(6) 3"	(6) 3-1/2"	(6) 4"		
F2500	500	350	(7) 4"	(7) 3-1/2"	(7) 3-1/2"	(7) 4"		
F3000	500	500	(8) 4"	(8) 3-1/2"	(8) 4"	(8) 4"		



ONE-LINE DIAGRAM BOILER PLANT

1A P2 - ONE-LINE DIAGRAM
NO SCALE

SCHMIDT ASSOCIATES
415 Massachusetts Avenue
Indianapolis, IN 46204
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Project No. 2018-050.LCP
Project Date 12.01.2021
Produced JTH EAG

SARAH KATHLEEN HEMPSTEAD REGISTERED No. AR10400134 STATE OF INDIANA ARCHITECT

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#	Revision	Date
A1.1	Addendum #1	12.13.2021

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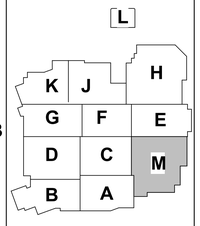
Indianapolis, IN 46226



KEY PLAN

MSD OF LAWRENCE TOWNSHIP

ONE LINE DIAGRAM - POOL

E-601.1

LIGHTING CONTACTOR SCHEDULE

LABEL	LOCATION NUMBER	LOCATION NAME	VOLTAGE	COIL CIRCUIT PANEL	COIL CIRCUIT CIRCUIT	AMPERAGE	CONTROL	ENCLOSURE	NUMBER OF CONTACTS	CIRCUIT(S) CONTROLLED
LC-M1	NM100	ELEC	277 V	14M1	29	30 A	LIGHT TRUSS SWITCH LEG "a"	NEMA 1	12	14M1-1,5,9,13,17,21,25
LC-M2	NM100	ELEC	277 V	14M1	31	30 A	LIGHT TRUSS SWITCH LEG "b"	NEMA 1	12	14M1-3,7,11,15,19,23,27
LC-M3	NM100	ELEC	277 V	14M1	33	30 A	TEMPERATURE CONTROL SYSTEM	NEMA 1	4	14CLS1-24

GENERAL LIGHT FIXTURE SCHEDULE NOTES

#	NOTES
A	PROVIDE LAMPS FOR ALL LIGHT FIXTURES SPECIFIED.
B	REFER TO LIGHT FIXTURE SCHEDULE AND REFLECTED CEILING PLANS FOR MOUNTING REQUIREMENTS, CEILING TYPES, AND FINAL LOCATIONS. PROVIDE APPROPRIATE MOUNTING TRIM REQUIRED FOR CEILING TYPE.
C	PROVIDE FACTORY INSTALLED DISCONNECTS FOR ALL LINEAR FIXTURES.

TRANSFORMER SCHEDULE

LABEL	LOCATION NUMBER	LOCATION NAME	KVA	PHASE	VOLTAGE PRIMARY	VOLTAGE SECONDARY	CONNECTION PRIMARY	CONNECTION SECONDARY	MOUNT	TYPE	LOAD(S) SERVED
T-1M1	NM100	ELEC	225	3	480 V	208Y/120	DELTA	WYE	FLOOR	DRY	DISTRIBUTION PANELBOARD 120PM1
T-1MLS1	NM100	ELEC	10	3	480 V	208Y/120	DELTA	WYE	FLOOR	DRY	PANELBOARD 12MLS1

DISCONNECT SWITCH SCHEDULE

LABEL	LOCATION NUMBER	LOCATION NAME	EQUIPMENT SERVED	VOLTAGE	AMPERAGE	POLES	FUSED	FUSE SIZE	NEMA ENCL	SOLID NEUTRAL
DS-1M1	A124	POOL EQUIP	PUH-M1	120 V	30 A	1	Yes	15 A	3R	Yes
DS-1M2	A124	POOL EQUIP	PUH-M2	120 V	30 A	1	Yes	15 A	3R	Yes
DS-1M3	AS110B	ELEV	ELEVATOR CAB LIGHTING	120 V	30 A	1	Yes	20 A	3R	Yes
DS-1M4	A124	POOL EQUIP	GAS FIRED POOL HEATER	120 V	30 A	1	Yes	20 A	3R	Yes
DS-1M5	A124	POOL EQUIP	GAS FIRED POOL HEATER	120 V	30 A	1	Yes	20 A	3R	Yes
DS-1M6	A124	POOL EQUIP	UV CONTROLLER AND LIGHT CHAMBER	208 V	30 A	2	Yes	30 A	3R	Yes
DS-1M7	A124	POOL EQUIP	UV CONTROLLER AND LIGHT CHAMBER	208 V	30 A	2	Yes	30 A	3R	Yes
DS-1M8	NM100	ELEC	SS-M1	208 V	30 A	2	Yes	20 A	1	No
DS-1M9	NM100	JDF	SS-M2	208 V	30 A	2	Yes	20 A	1	No
DS-1M10	NM100	ELEC	TRANSFORMER T-1MLS1	480 V	30 A	3	Yes	30 A	1	No
DS-2M1	AM212	MECH	AHU-1	480 V	400 A	3	Yes	300 A	1	No
DS-2M2	AM212	MECH	AHU-2	480 V	400 A	3	Yes	300 A	1	No
DS-2M3	AM212	MECH	HVL-1	120 V	30 A	1	Yes	15 A	1	Yes
DS-2M4	AM212	MECH	HVL-2	120 V	30 A	1	Yes	15 A	1	Yes
DS-2M5	AM212	MECH	HVL-3	120 V	30 A	1	Yes	15 A	1	Yes
DS-2M6	AM212	MECH	HVL-4	120 V	30 A	1	Yes	15 A	1	Yes
DS-2M7	AM212	MECH	FCU-1	208 V	30 A	2	Yes	15 A	1	No
DS-2M8	AM212	MECH	FCU-2	208 V	30 A	2	Yes	15 A	1	No
DS-2M9	A210	CUST	FCU-3	208 V	30 A	2	Yes	15 A	1	No
DS-2M10			CU-M1	208 V	60 A	2	Yes	35 A	3R	No
DS-2M13			CU-M2	208 V	60 A	2	Yes	35 A	3R	No
DS-2M14			AHU-M1	480 V	30 A	3	Yes	25 A	1	No
DS-2M15			PUH-M3	120 V	30 A	1	Yes	15 A	1	Yes
DS-2M16			FCU-4	208 V	30 A	2	Yes	15 A	1	No
DS-2M17			CU-1	480 V	30 A	3	Yes	30 A	3R	No
DS-2M18			CU-2	480 V	30 A	3	Yes	30 A	3R	No
DS-2M19	AM212	MECH	WH-4	120 V	30 A	1	Yes	20 A	1	Yes
DS-2M20	AM212	MECH	WH-5	120 V	30 A	1	Yes	20 A	1	Yes

MOTOR CONTROLLER/STARTER/VFD SCHEDULE

LABEL	LOCATION NUMBER	LOCATION NAME	EQUIPMENT SERVED	EQUIPMENT DATA VOLTAGE	EQUIPMENT DATA PHASE	EQUIPMENT DATA HP	EQUIPMENT DATA FLA	STARTER TYPE	STARTER NEMA SIZE	DISCONNECT SWITCH TYPE	DISCONNECT SWITCH FUSE SIZE	NEMA ENCL	REMOTE CAPACITOR	REMARKS
MS-1M1	A112	CONC	EF-M1	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1M2	A112	CONC	EF-M2	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1M3	A122D	STOR	EF-M4	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1M4	A122D	STOR	EF-M5	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1M5	A124	POOL EQUIP	EF-M6	120 V	1	1/2	9.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1M6	A124	POOL EQUIP	EF-M7	120 V	1	3/4	13.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1M7	A112	CONC	EF-M8	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1M8	A124	POOL EQUIP	POOL FILTER CIRCULATION PUMP	480 V	3	30	40.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 13, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1M9	A124	POOL EQUIP	POOL FILTER CIRCULATION PUMP	480 V	3	30	40.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 13, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1M10	A124	POOL EQUIP	POOL AUXILIARY PUMP	480 V	3	30	40.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 13, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1M11	A124	POOL EQUIP	BUBBLER AIR COMPRESSOR	208 V	3	5	17.5 A	FVNR	1	FUSIBLE	25	4X	-	
MS-1M12	A124	POOL EQUIP	POOL HEATER CIRCULATING PUMP	120 V	1	3/4	13.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1M13	A124	POOL EQUIP	POOL HEATER CIRCULATING PUMP	120 V	1	3/4	13.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1M14	A124	POOL EQUIP	REGENERATIVE FILTER AIR COMPRESSOR AND RECEIVER	480 V	3	2	3.4 A	FVNR	1	FUSIBLE	6.25	4X	-	
MS-2M1	AM212	MECH	ERU-3 SUPPLY FAN	480 V	3	15	21.0 A	VFD	-	-	-	-	-	FURNISHED BY DIVISION 23, INSTALLED BY DIVISION 26
MS-2M2	AM212	MECH	ERU-3 RETURN FAN	480 V	3	7.5	11.0 A	VFD	-	-	-	-	-	FURNISHED BY DIVISION 23, INSTALLED BY DIVISION 26
MS-2M3	AM212	MECH	ERU-3 ENERGY WHEEL	480 V	3	1	2.1 A	VFD	-	-	-	-	-	FURNISHED BY DIVISION 23, INSTALLED BY DIVISION 26
MS-2M4	AM212	MECH	EF-M3	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-2M5	AM212	MECH	ASF-1	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-2M6	AM212	MECH	HWCP-4	480 V	3	5	7.6 A	VFD	-	-	-	-	-	FURNISHED BY DIVISION 22, INSTALLED BY DIVISION 26
MS-2M7	AM212	MECH	HWCP-5	480 V	3	5	7.6 A	VFD	-	-	-	-	-	FURNISHED BY DIVISION 22, INSTALLED BY DIVISION 26

LIGHTING FIXTURES SCHEDULE

FIXTURE	DESCRIPTION	VOLTAGE	SOURCE TYPE	SOURCE LUMENS	SOURCE WATTS	SOURCE CCT	MOUNTING	LENS/REFLECTOR	CERTIFICATIONS	ACCEPTABLE MANUFACTURERS	FIXTURE
L1	1X4 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	3,000 LM	25 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 14FP COLUMBIA CFP14 LITHONIA EPANL 14	L1
L1S	1X4 LED FLAT PANEL. 0-10V DIMMING. EMERGENCY SHUNT RELAY.	120/277 V	LED	3,000 LM	25 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 14FP COLUMBIA CFP14 LITHONIA EPANL 14	L1S
L3	1X4 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	4,500 LM	40 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 14FP COLUMBIA CFP14 LITHONIA EPANL 14 ENERGY HARNESS EHF-PANEL-1X4DS-45-277	L3
L4	2X2 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	2,200 LM	20 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 22FP COLUMBIA CFP22 LITHONIA EPANL 22	L4
L4S	2X2 LED FLAT PANEL. 0-10V DIMMING. EMERGENCY SHUNT RELAY.	120/277 V	LED	2,200 LM	20 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 22FP COLUMBIA CFP22 LITHONIA EPANL 22	L4S
L5	2X2 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	3,500 LM	30 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 22FP COLUMBIA CFP22 LITHONIA EPANL 22	L5
L5S	2X2 LED FLAT PANEL. 0-10V DIMMING. EMERGENCY SHUNT RELAY.	120/277 V	LED	3,500 LM	30 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 22FP COLUMBIA CFP22 LITHONIA EPANL 22	L5S
L7	2X4 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	3,600 LM	30 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 24FP COLUMBIA CFP24 LITHONIA EPANL 24	L7
L7S	2X4 LED FLAT PANEL. 0-10V DIMMING. EMERGENCY SHUNT RELAY.	120/277 V	LED	3,600 LM	30 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 24FP COLUMBIA CFP24 LITHONIA EPANL 24	L7S
L8	2X4 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	5,000 LM	40 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 24FP COLUMBIA CFP24 LITHONIA EPANL 24	L8
L8S	2X4 LED FLAT PANEL. 0-10V DIMMING. EMERGENCY SHUNT RELAY.	120/277 V	LED	5,000 LM	40 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 24FP COLUMBIA CFP24 LITHONIA EPANL 24	L8S
L10	2X4 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	6,600 LM	60 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 24FP COLUMBIA CFP24 LITHONIA EPANL 24	L10
L10S	2X4 LED FLAT PANEL. 0-10V DIMMING. EMERGENCY SHUNT RELAY.	120/277 V	LED	6,600 LM	60 W	3500 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX 24FP COLUMBIA CFP24 LITHONIA EPANL 24	L10S
L11	1X4 PRISMATIC LED TROFFER. WHITE FLUSH ALUMINUM DOOR. 0-10V DIMMING. U.L. LISTED WET LOCATION. GASKETED ON DOOR, LENS, AND HOUSING.	120/277 V	LED	2,900 LM	27 W	3500 K	RECESSED IN DRYWALL	PATTERN 12 FROST ACRYLIC LENS, 0.125" MINIMUM	DLC	METALUX 14GR COLUMBIA LJT14 LITHONIA GTL	L11
L11S	1X4 PRISMATIC LED TROFFER. WHITE FLUSH ALUMINUM DOOR. 0-10V DIMMING. U.L. LISTED WET LOCATION. GASKETED ON DOOR, LENS, AND HOUSING. EMERGENCY SHUNT RELAY.	120/277 V	LED	2,900 LM	27 W	3500 K	RECESSED IN DRYWALL	PATTERN 12 FROST ACRYLIC LENS, 0.125" MINIMUM	DLC	METALUX 14GR COLUMBIA LJT14 LITHONIA GTL	L11S
L12	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH.	120/277 V	LED	2,600 LM	25 W	3500 K	SURFACE MOUNTED	SEMI-FROSTED LENS	N/A	METALUX SNLED COLUMBIA MPS LITHONIA ZL1D	L12
L13	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH.	120/277 V	LED	5,400 LM	45 W	3500 K	SURFACE MOUNTED	SEMI-FROSTED LENS	N/A	METALUX SNLED COLUMBIA MPS LITHONIA ZL1D	L13
L13S	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH. EMERGENCY SHUNT RELAY.	120/277 V	LED	5,400 LM	45 W	3500 K	SURFACE MOUNTED	SEMI-FROSTED LENS	N/A	METALUX SNLED COLUMBIA MPS LITHONIA ZL1D	L13S
L14	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH.	120/277 V	LED	2,600 LM	25 W	3500 K	CHAIN MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	N/A	METALUX SNLED COLUMBIA MPS LITHONIA ZL1D	L14
L15	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH.	120/277 V	LED	5,400 LM	45 W	3500 K	CHAIN MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	N/A	METALUX SNLED COLUMBIA MPS LITHONIA ZL1D	L15
L15S	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH. EMERGENCY SHUNT RELAY.	120/277 V	LED	5,400 LM	45 W	3500 K	CHAIN MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	N/A	METALUX SNLED COLUMBIA MPS LITHONIA ZL1D	L15S
L19	4" SQUARE LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING.	120/277 V	LED	1,000 LM	11 W	3500 K	RECESSED IN DRYWALL	SEMI-SPECULAR CLEAR	ES	PORTFOLIO LDSQ4B PRESCOLITE LF4SQSL GOTHAM EVO	L19
L20	4" SQUARE LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING.	120/277 V	LED	1,000 LM	11 W	3500 K	RECESSED IN GRID	SEMI-SPECULAR CLEAR	ES	PORTFOLIO LDSQ4B PRESCOLITE LF4SQSL GOTHAM EVO	L20
L21	4" SQUARE LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING.	120/277 V	LED	1,500 LM	16 W	3500 K	RECESSED IN DRYWALL	SEMI-SPECULAR CLEAR	ES	PORTFOLIO LDSQ4B PRESCOLITE LF4SQSL GOTHAM EVO	L21
L21S	4" SQUARE LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING. EMERGENCY SHUNT RELAY.	120/277 V	LED	1,500 LM	16 W	3500 K	RECESSED IN DRYWALL	SEMI-SPECULAR CLEAR	ES	PORTFOLIO LDSQ4B PRESCOLITE LF4SQSL GOTHAM EVO	L21S
L23S	4" SQUARE LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING. EMERGENCY SHUNT RELAY.	120/277 V	LED	2,000 LM	22 W	3500 K	RECESSED IN DRYWALL	SEMI-SPECULAR CLEAR	ES	PORTFOLIO LDSQ4B PRESCOLITE LF4SQSL GOTHAM EVO	L23S
L35	6" ROUND LED DOWNLIGHT, WHITE TRIM TO MATCH REFLECTOR. U.L. LISTED WET LOCATION. PROVIDE COMPATIBLE HOUSING WITH HARDWIRED PIGTAIL.	120/277 V	LED	1,000 LM	12 W	3500 K	RECESSED IN DRYWALL	DIFFUSE IMPACT RESISTANT POLYCARBONATE LENS	N/A	HALO H750T PRESCOLITE LB6LEDA	L35
L36	4' LED VAPORTIGHT FIXTURE. FIBERGLASS HOUSING. U.L. LISTED WET LOCATION.	120/277 V	LED	4,000 LM	38 W	3500 K	SURFACE/WALL	IMPACT RESISTANT, GASKETED PRISMATIC LENS	N/A	METALUX 4VT2 COLUMBIA LXEM4 LITHONIA FEM4 LED	L36
L37	4"X3' EXTRUDED ALUMINUM LED PENDANT. 0-10V DIMMING.	120/277 V	LED	1125 LM	12 W	3500 K	PENDANT	FLUSH SATIN LENS	N/A	FOCAL POINT FSM4LS FINELITE HP4 PINNACLE EDGE	L37
L39	4"X5' EXTRUDED ALUMINUM LED PENDANT. 0-10V DIMMING.	120/277 V	LED	1875 LM	20 W	3500 K	PENDANT	FLUSH SATIN LENS	N/A	FOCAL POINT FSM4LS FINELITE HP4 PINNACLE EDGE	L39
L39S	4"X5' EXTRUDED ALUMINUM LED PENDANT. 0-10V DIMMING. EMERGENCY SHUNT RELAY.	120/277 V	LED	1875 LM	20 W	3500 K	PENDANT	FLUSH SATIN LENS	N/A	FOCAL POINT FSM4LS FINELITE HP4 PINNACLE EDGE	L39S
L41	4"X7' EXTRUDED ALUMINUM LED PENDANT. 0-10V DIMMING.	120/277 V	LED	2625 LM	28 W	3500 K	PENDANT	FLUSH SATIN LENS	N/A	FOCAL POINT FSM4LS FINELITE HP4 PINNACLE EDGE	L41
L50	16" DIAMETER LED HIGHBAY. WHITE POLYESTER POWDER COAT FINISH. ROUND, DECORATIVE SHIELD. WIDE DISTRIBUTION. 0-10V DIMMING.	120/277 V	LED	18,000 LM	162 W	4000 K			DLC	METALUX SSLED HOLOPHANE PHS HUBBELL PHB	L50
L50S	16" DIAMETER LED HIGHBAY. WHITE POLYESTER POWDER COAT FINISH. ROUND, DECORATIVE SHIELD. WIDE DISTRIBUTION. 0-10V DIMMING. EMERGENCY SHUNT RELAY.	120/277 V	LED	18,000 LM	162 W	4000 K			DLC	METALUX SSLED HOLOPHANE PHS HUBBELL PHB	L50S
L59	LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. DARK BRONZE FINISH. U.L. LISTED FOR WET LOCATIONS.	120/277 V	LED	2,200 LM	30 W	4000 K	WALL MOUNTED	TYPE III DISTRIBUTION	N/A	MCGRAW-EDISON ISS SPAULDING QSP LITHONIA WSQ	L59
L60	LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. DARK BRONZE FINISH. U.L. LISTED FOR WET LOCATIONS.	120/277 V	LED	4,500 LM	50 W	4000 K	WALL MOUNTED	TYPE III DISTRIBUTION	N/A	MCGRAW-EDISON ISS SPAULDING QSP LITHONIA WSQ	L60
L61	4' LED VAPORTIGHT FIXTURE. FIBERGLASS HOUSING. U.L. LISTED WET LOCATION.	120/277 V	LED	4,000 LM	38 W	3500 K	SURFACE/CEILING	IMPACT RESISTANT, GASKETED PRISMATIC LENS	N/A	METALUX 4VT2 COLUMBIA LXEM4 LITHONIA FEM LED	L61
L61S	4' LED VAPORTIGHT FIXTURE. FIBERGLASS HOUSING. U.L. LISTED WET LOCATION. EMERGENCY SHUNT RELAY.	120/277 V	LED	4,000 LM	38 W	3500 K	SURFACE/CEILING	IMPACT RESISTANT, GASKETED PRISMATIC LENS	N/A	METALUX 4VT2 COLUMBIA LXEM4 LITHONIA FEM LED	L61S
L62	4" X 4' WALL MOUNTED, LINEAR, DIRECT LED FIXTURE. FLUSH LENS. NATATORIUM FINISH TO PREVENT RUST AND CORROSION. 0-10V DIMMING.	120/277V	LED	4,000 LM	47 W	3500 K	WALL	TEMPERED CLEAR GLASS	N/A	LUMENWERX VIA4 AXIS BEAM 4 A-LIGHT D3	L62
L62S	4" X 4' WALL MOUNTED, LINEAR, DIRECT LED FIXTURE. FLUSH LENS. NATATORIUM FINISH TO PREVENT RUST AND CORROSION. 0-10V DIMMING. EMERGENCY SHUNT RELAY.	120/277V	LED	4,000 LM	47 W	3500 K	WALL	TEMPERED CLEAR GLASS	N/A	LUMENWERX VIA4 AXIS BEAM 4 A-LIGHT D3	L62S
L63	LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. DARK BRONZE FINISH. U.L. LISTED FOR WET LOCATIONS. INTEGRAL PHOTOCELL SWITCH.	120/277 V	LED	2,700 LM	30 W	4000 K	WALL MOUNTED	TYPE III DISTRIBUTION	N/A	MCGRAW-EDISON ISS SPAULDING QSP LITHONIA WSQ	L63
L64	4"X6' EXTRUDED ALUMINUM LED. 0-10V DIMMING.	120/277 V	LED	3,000 LM	30 W	3500 K	HORIZONTAL ON WALL	FLUSH SATIN LENS	DLC	FOCAL POINT FSM4LW FINELITE HP4WM PINNACLE Ex4D-WA	L64
L65	1X4 PRISMATIC LED TROFFER. WHITE FLUSH ALUMINUM DOOR. 0-10V DIMMING. U.L. LISTED WET LOCATION. GASKETED ON DOOR, LENS, AND HOUSING.	120/277 V	LED	2,900 LM	27 W	3500 K	RECESSED IN GRID	PATTERN 12 FROST ACRYLIC LENS, 0.125" MINIMUM	DLC	METALUX 14GR COLUMBIA LJT14 LITHONIA GTL	L65
L65S	1X4 PRISMATIC LED TROFFER. WHITE FLUSH ALUMINUM DOOR. 0-10V DIMMING. U.L. LISTED WET LOCATION. GASKETED ON DOOR, LENS, AND HOUSING. EMERGENCY SHUNT RELAY.	120/277 V	LED	2,900 LM	27 W	3500 K	RECESSED IN GRID	PATTERN 12 FROST ACRYLIC LENS, 0.125" MINIMUM	DLC	METALUX 14GR COLUMBIA LJT14 LITHONIA GTL	L65S
LT1	SUSPENDED LED TRUSS SYSTEM. EXTRUDED ALUMINUM TUBES, DIE-CAST ALUMINUM BULKHEADS, NATORIUM FINISH ON ALL PARTS, CUSTOM COLOR SELECTED BY A/E. PENDANT MOUNT WITH STAINLESS STEEL. SYSTEM WILL INCLUDE INTEGRAL OCCUPANCY SENSORS FOR THE POOL DECK, UL LISTED DAMP LOCATIONS.	277 V	LED	53,712 LM	761 W	4000 K	PENDANT	TEMPERED CLEAR GLASS	N/A	SPI LIGHT TRUSS PROVIDE AN ALLOWANCE OF $35,000FOR MATERIAL ONLY. ADD LABOR REQUIRED FOR INSTALLATION. A1.1	LT1
X1C	LED EXIT LIGHT, MATTE BLACK DIE-CAST ALUMINUM HOUSING, BRUSHED ALUM. SINGLE FACE. STENCIL FACE, RED LETTERS. AC ONLY.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	DUAL-LITE SE SURE-LITES CX LITHONIA LE	X1C
X1W	LED EXIT LIGHT, MATTE BLACK DIE-CAST ALUMINUM HOUSING, BRUSHED ALUM. SINGLE FACE. STENCIL FACE, RED LETTERS. AC ONLY	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	DUAL-LITE SE SURE-LITES CX LITHONIA LE	X1W
X2C	LED EXIT LIGHT, MATTE BLACK DIE-CAST ALUMINUM HOUSING, BRUSHED ALUM. DUAL FACE. STENCIL FACE, RED LETTERS. AC ONLY.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	DUAL-LITE SE SURE-LITES CX LITHONIA LE	X2C
X2W	VANDAL PROOF LED EXIT LIGHT, DIE-CAST ALUMINUM HOUSING, BLACK FINISH. SINGLE FACE. STENCIL FACE, RED LETTERS. AC ONLY	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	VANDAL-RESISTANT POLYCARBONATE SHIELD WITH TAMPERPROOF SCREWS	N/A	DUAL-LITE SEWL SURE-LITES UX LITHONIA LV	X2W

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Project No. 2018-050.LCP
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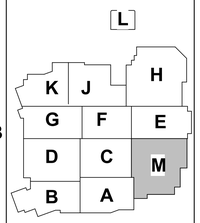
#	Revision	Date
A1.1	Addendum #1	12.13.2021

7300 E 56th St.
Indianapolis, IN 46226



KEY PLAN

MSD OF LAWRENCE TOWNSHIP

LIGHTING & EQUIPMENT SCHEDULES

E-603.1

PANELBOARD SCHEDULE

DESIGNATION: 12M4 | VOLTS: 208Y/120 V | MAINS RATING: 225 A
LOCATION: STOR A122F | PHASES: 3 | MAINS TYPE: MLO
MOUNTING: SURFACE | WIRES: 4 | MCB RATING:
SUPPLY FROM: 12DPM1 | AIC RATING: 10,000 | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	A122F	RECEPTS	20 A	1	0.72	0.36					1	20 A	RECEPTS	A124A	2	
	3	A122D	RECEPTS	20 A	1			0.72	0.36			1	20 A	RECEPTS	A124A	4	
	5	A122	RECEPTS	20 A	1					0.54	0.36	1	20 A	RECEPTS	A124	6	
	7	A122	RECEPTS	20 A	1	0.54	0.36					1	20 A	RECEPTS	A124	8	
	9	A122	RECEPTS	20 A	1			0.54	0.36			1	20 A	RECEPTS	A124	10	
	11	A122	RECEPTS	20 A	1					0.54	0.36	1	20 A	RECEPTS	A124	12	
G	13	A122	EWC	20 A	1	0.50	2.10					3	25 A	P62	A124 - BUBBLER AIR COMP.	14	
G	15	A122	EWC	20 A	1			0.50	2.10			--	--	--	--	16	--
	17	EXTERIOR	RECEPTS	20 A	1					0.36	2.10	--	--	--	--	18	--
	19	A122E	ERCP-1,2	20 A	2	0.43	1.92					1	20 A	P33	A124 - CHEMICAL CONTROLLER	20	
--	21	--	--	--	--			0.43	1.92			1	20 A	P18A	A124 - POOL HEATER	22	
	23	A122E	ERCP-3,4	20 A	2					0.43	1.92	1	20 A	P19A	A124 - POOL HTR CIRC PUMP	24	
--	25	--	--	--	--	0.43	1.92					1	20 A	P18B	A124 - POOL HEATER	26	
	27	A122D, ROOF	EF-M4	20 A	1			0.70	1.92			1	20 A	P19B	A124 - POOL HTR CIRC PUMP	28	
	29	A122F, ROOF	EF-M5	20 A	1					0.53	1.92	1	50 A	P13	A124 - WATER LEV CTRLR	30	
	31	A124	PUH-M1	20 A	1	1.18	1.92					1	20 A	P22	A124 - REGEN FILT VAC XFER	32	
	33	A124	PUH-M2	20 A	1			1.18	1.92			1	20 A	P133	A124 - ELEC BEAM HOIST	34	
--	35	SPARE		20 A	1					0.00	5.20	2	30 A	P34A	A124 - UV CONTROLLER	36	
--	37	SPARE		20 A	1	0.00	5.20					--	--	--	--	38	--
--	39	SPARE		20 A	1			0.00	5.20			2	30 A	P34B	A124 - UV CONTROLLER	40	
--	41	SPARE		20 A	1					0.00	5.20	--	--	--	--	42	--
--	43	SPARE		20 A	1	0.00	1.92					1	50 A	P17A	A124 - WATER LEV CTRLR	44	
--	45	SPARE		20 A	1			0.00	1.92			1	50 A	P17B	A124 - WATER LEV CTRLR	46	
--	47	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	48	--
--	49	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	50	--
--	51	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	52	--
--	53	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	54	--
				TOTAL LOAD:		19.50 kVA		19.77 kVA		19.46 kVA							
				TOTAL AMPS:		163 A		165 A		162 A							

TOTAL CONNECTED LOAD: 58.72 kVA
TOTAL CONNECTED AMPS: 165 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 12M1 | VOLTS: 208Y/120 V | MAINS RATING: 225 A
LOCATION: ELEC NM100 | PHASES: 3 | MAINS TYPE: MLO
MOUNTING: SURFACE | WIRES: 4 | MCB RATING:
SUPPLY FROM: 12DPM1 | AIC RATING: 25,000 | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	AM120	RECEPTS	20 A	1	0.72	0.54					1	20 A	RECEPTS	A120, A120A, A120B	2	
	3	NM100	RECEPTS	20 A	1			0.36	0.54			1	20 A	RECEPTS	A120, A120C, AR120A	4	
	5	NM100	RECEPTS	20 A	1					0.36	0.50	1	20 A	RECEPT	A120C - EXTRACTOR	6	
	7	NC100, NV100	RECEPTS	20 A	1	0.54	1.50					1	20 A	HAND D	AR120A	8	G
	9	NC100	RECEPTS	20 A	1			0.36	0.72			1	20 A	RECEPTS	A120D, AR122B	10	
	11	NC100	RECEPTS	20 A	1					0.36	1.50	1	20 A	HAND D	AR120A	12	G
	13	AC102	RECEPTS	20 A	1	0.54	1.50					1	20 A	HAND D	AR122B	14	G
	15	AC102	RECEPTS	20 A	1			0.54	0.54			1	20 A	RECEPTS	A118, A118A, A118B	16	
	17	A116	RECEPTS	20 A	1					0.36	0.54	1	20 A	RECEPTS	A118, A118C, AR118A	18	
	19	A116	RECEPTS	20 A	1	0.36	0.50					1	20 A	RECEPT	A118C - EXTRACTOR	20	
	21	A116	REFRIG	20 A	1			1.20	0.72			1	20 A	RECEPTS	A118D, AR122A	22	
	23	A116	REFRIG	20 A	1					1.20	1.50	1	20 A	HAND D	AR118A	24	G
	25	A116	REFRIG	20 A	1	1.20	1.50					1	20 A	HAND D	AR118A	26	G
G	27	AR116	HAND D	20 A	1			1.50	1.50			1	20 A	HAND D	AR122A	28	G
	29	A116	RECEPTS	20 A	1					0.54	0.50	1	20 A	FANAC	NM100	30	
	31	A114, A116, A116A, AR116	RECEPTS	20 A	1	0.72	0.00					1	20 A		SPARE	32	--
	33	A116	RECEPTS	20 A	1			0.54	0.00			1	20 A		SPARE	34	--
	35	NS100	EWH-3	20 A	2					1.00	0.00	1	20 A		SPARE	36	--
--	37	--	--	--	--	1.00	0.00					1	20 A		SPARE	38	--
	39	NM100, ROOF	CU/SS-M1	35 A	2			2.60	0.00			1	20 A		SPARE	40	--
--	41	--	--	--	--					2.60	0.00	1	20 A		SPARE	42	--
--	43	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	44	--
--	45	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	46	--
--	47	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	48	--
--	49	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	50	--
--	51	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	52	--
--	53	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	54	--
				TOTAL LOAD:		10.62 kVA		11.12 kVA		10.96 kVA							
				TOTAL AMPS:		89 A		93 A		92 A							

TOTAL CONNECTED LOAD: 32.70 kVA
TOTAL CONNECTED AMPS: 93 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS) ABBREVIATIONS

#	NOTES
C	CONTACTOR CONTROLLED
G	GFCI PROTECTED
P	HANDLE LOCKING DEVICE
S	SHUNT TRIP
X	80% RATED MAIN CIRCUIT BREAKER WITH LSI.
Y	100% RATED MAIN CIRCUIT BREAKER WITH LSI.
Z	100% RATED MAIN CIRCUIT BREAKER WITH LSIG.

SWITCHBOARD/PANELBOARD NOTES

#	NOTES
A	VERIFY SIZE AND QUANTITY OF LUGS REQUIRED PER ONE-LINE DIAGRAM.
B	VERIFY PANEL / LUG SIZE REQUIRED FOR FEEDERS INDICATED ON ONE-LINE DIAGRAM. MODIFY AS REQUIRED FOR LARGER FEEDERS.
C	VERIFY CONDUIT ENTRY LOCATION ON EACH PANEL.
D	CONFIRM FINAL ROOM NAMES AND NUMBERS WITH OWNER PRIOR TO CREATING FINAL PANELBOARD DIRECTORIES.
E	MODIFY AIC RATINGS INDICATED ON SCHEDULES, AS REQUIRED, PER SPECIFICATION SECTION 260574.99.

PANELBOARD ABBREVIATIONS

#	NOTES
FTL	FEED THROUGH LUGS
MCB	MAIN CIRCUIT BREAKER
MFS	MAIN FUSED SWITCH
MLO	MAIN LUGS ONLY
SFL	SUB-FEED LUGS
SPD	SURGE PROTECTION DEVICE

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Sarah K Hempstead

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#	Revision	Date
A1.1	Addendum #1	12.13.2021

EXISTING SWITCHBOARD SCHEDULE

SWITCHBOARD: MDP1 | VOLTS: 480Y/277 V | MAINS RATING: 1200 A
LOCATION: ELECTRICAL JM112 | PHASES: 3 | MAINS TYPE: MCB
MOUNTING: FLOOR | WIRES: 4 | MCB RATING: 1200 A
SUPPLY FROM: UTILITY TRANSFORMER | AIC RATING: 65,000 | MCB OPTIONS: Z

O	CKT NO.	CIRCUIT DESCRIPTION	P	FRAME SIZE	TRIP RATING	A	B	C	LOAD	REMARKS
	1	14DPM1	3	1200 A	1200 A	303.45	303.13	304.98	911.55	
--	2	SPACE	--	--	--	--	--	--	0.00	--
	3									
	4									
					Total Load:	303.45 kVA	303.13 kVA	304.98 kVA		
					Total Amps:	1096 A	1094 A	1101 A		
								Total Conn. Load:	911.55 kVA	
								Total Amps:	1101 A	

Notes: SIWTCHBOARD IS EXISTING TO REMAIN. INSTALLED DURING PHASE 1 PORTION OF WORK TO FEED PHASE 2 POOL ADDITION.

PANELBOARD SCHEDULE

DESIGNATION: 12M5 | VOLTS: 208Y/120 V | MAINS RATING: 225 A
LOCATION: STOR N100A | PHASES: 3 | MAINS TYPE: MLO
MOUNTING: SURFACE | WIRES: 4 | MCB RATING:
SUPPLY FROM: 12DPM1 | AIC RATING: 10,000 | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	N100A	RECEPTS	20 A	1	0.54	0.54					1	20 A	RECEPTS	N200	2	
	3	N100B	RECEPTS	20 A	1			0.72	0.36			1	20 A	RECEPTS	N200	4	
	5	N100	RECEPTS	20 A	1					0.72	0.86	1	20 A	PUH-M3	N200	6	
	7	N100	RECEPTS	20 A	1	0.54	0.50					1	20 A	TCC-M1	N200	8	
G	9	N100	EWC	20 A	1			1.00	0.77			2	20 A	FCU-4	N200	10	
G	11	N100	EWC	20 A	1					1.00	0.77	--	--	--	--	12	--
	13	N100	RECEPTS	20 A	1	0.54	1.83					2	25 A	AC-1	NV100	14	
	15	N100	RECEPTS	20 A	1			0.54	1.83			--	--	--	--	16	--
	17	N100	RECEPTS	20 A	1					0.54	0.36	1	20 A	RECEPTS	EXTERIOR	18	
--	19	SPARE		20 A	1	0.00	0.18					1	20 A	RECEPT	EXTERIOR	20	
--	21	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	22	--
--	23	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	24	--
--	25	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	26	--
--	27	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	28	--
--	29	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	30	--
--	31	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	32	--
--	33	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	34	--
--	35	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	36	--
--	37	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	38	--
--	39	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	40	--
--	41	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	42	--
				TOTAL LOAD:		4.67 kVA		5.22 kVA		4.25 kVA							
				TOTAL AMPS:		39 A		44 A		35 A							

TOTAL CONNECTED LOAD: 14.14 kVA
TOTAL CONNECTED AMPS: 44 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 12M2 | VOLTS: 208Y/120 V | MAINS RATING: 225 A
LOCATION: TIMING A122B | PHASES: 3 | MAINS TYPE: MLO
MOUNTING: FLUSH | WIRES: 4 | MCB RATING:
SUPPLY FROM: 12DPM1 | AIC RATING: 10,000 | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	A122	SCBD	20 A	1	0.18	0.36					1	20 A	RECEPT	A122	2	
	3	A122	SCBD	20 A	1			0.18	0.72			1	20 A	RECEPTS	A122	4	
	5	A122	SCBD	20 A	1					0.18	0.36	1	20 A	RECEPT	A122	6	
	7	A122	SCBD	20 A	1	0.18	0.36					1	20 A	RECEPT	A122	8	
	9	A122	SCBD	20 A	1			0.18	0.36			1	20 A	RECEPT	A122	10	
	11	A122	SCBD	20 A	1					0.18	0.36	1	20 A	RECEPT	A122B	12	
G	13	AR104	HAND D	20 A	1	1.50	0.36					1	20 A	RECEPT	A122B	14	
	15	AR104	RECEPT	20 A	1			0.18	0.36			1	20 A	RECEPT	A122B	16	
	17	A104	RECEPTS	20 A	1					0.36	0.54	1	20 A	RECEPTS	A122B	18	
	19	A104	RECEPTS	20 A	1	0.36	0.36					1	20 A	RECEPT	A122B	20	
	21	A104	RECEPTS	20 A	1			0.54	0.36			1	20 A	RECEPT	A122B	22	
	23	A104	RECEPTS	20 A	1					0.54	0.36	1	20 A	SND RCK	A122B	24	
	25	A122	RECEPTS	20 A	1	0.36	0.00					1	20 A		SPARE	26	--
	27	A122	RECEPTS	20 A	1			0.36	0.00			1	20 A		SPARE	28	--
	29	A122	RECEPTS	20 A	1					0.54	0.00	1	20 A		SPARE	30	--
	31	A126, A126A	RECEPTS	20 A	1	0.36	0.00					1	20 A		SPARE	32	--
	33	EXTERIOR	RECEPTS	20 A	1			0.36	0.00			1	20 A		SPARE	34	--
--	35	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	36	--
--	37	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	38	--
	39	AS122	EWH-2	20 A	2			1.00	0.00			1	20 A		SPARE	40	--
--	41	--	--	--	--					1.00	0.00	1	20 A		SPARE	42	--
				TOTAL LOAD:		4.38 kVA		4.60 kVA		4.42 kVA							
				TOTAL AMPS:		37 A		38 A		37 A							

TOTAL CONNECTED LOAD: 13.40 kVA
TOTAL CONNECTED AMPS: 38 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

POWER DISTRIBUTION PANELBOARD SCHEDULE

DESIGNATION: 14DPM1 | VOLTS: 480Y/277 V | MAINS RATING: 1200 A
LOCATION: ELEC NM100 | PHASES: 3 | MAINS TYPE: MLO
MOUNTING: SURFACE | WIRES: 4 | MCB RATING:
SUPPLY FROM: MDP1 | AIC RATING: 65,000 | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	14M1	PANEL	225 A	3	16.12	176.25					3	800 A	PANEL	24DPM1	2	X
--	3	--	--	--	--			12.24	175.96			--	--	--	--	4	--
--	5	--	--	--	--					15.35	175.73	--	--	--	--	6	--
X	7	14M2	PANEL	400 A	3	42.35	57.84					3	400 A	TX/PANEL	T-1M1 - 12DPM1	8	X
--	9	--	--	--	--			41.89	62.15			--	--	--	--	10	--
--	11	--	--	--	--					43.23	59.77	--	--	--	--	12	--
S	13	AS110B	ELEV	150 A	3	10.90	0.00					--	--	--	SPACE	14	--
--	15	--	--	--	--			10.90	0.00			--	--	--	SPACE	16	--
--	17	--	--	--	--					10.90	0.00	--	--	--	SPACE	18	--
--	19	SPARE		225 A	3	0.00	0.00					--	--	--	SPACE	20	--
--	21	--	--	--	--			0.00	0.00			--	--	--	SPACE	22	--
--	23	--	--	--	--					0.00	0.00	--	--	--	SPACE	24	--
--	25	SPARE		100 A	3	0.00	0.00					--	--	--	SPACE	26	--
--	27	--	--	--	--			0.00	0.00			--	--	--	SPACE	28	--
--	29	--	--	--	--					0.00	0.00	--	--	--	SPACE	30	--
				TOTAL LOAD:		303.45 kVA		303.13 kVA		304.98 kVA							
				TOTAL AMPS:		1096 A		1094 A		1101 A							

TOTAL CONNECTED LOAD: 911.55 kVA
TOTAL CONNECTED AMPS: 1101 A
NOTES: PROVIDE NEW DISTRIBUTION PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

POWER DISTRIBUTION PANELBOARD SCHEDULE

DESIGNATION: 24DPM1 | VOLTS: 480Y/277 V | MAINS RATING: 800 A
LOCATION: MECH AM212 | PHASES: 3 | MAINS TYPE: MLO
MOUNTING: SURFACE | WIRES: 4 | MCB RATING:
SUPPLY FROM: 14DPM1 | AIC RATING: 35,000 | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	AM212	ERU-3 SF	40 A	3	5.82	0.52					1	20 A	LIGHTING	A212	2	
--	3	--	--	--	--			5.82	0.23			1	20 A	LIGHTING	AC210, A210	4	
--	5	--	--	--	--					5.82	0.00	1	20 A		SPARE	6	--
	7	AM212	ERU-3 RF	20 A	3	3.05	74.10					3	300 A	AHU-1	AM212	8	X
--	9	--	--	--	--			3.05	74.10			--	--	--	--	10	--
--	11	--	--	--	--					3.05	74.10	--	--	--	--	12	--
	13	AM212	ERU-3 EW	20 A	3	0.58	74.10					3	300 A	AHU-2	AM212	14	X
--	15	--	--	--	--			0.58	74.10			--	--	--	--	16	--
--	17	--	--	--	--					0.58	74.10	--	--	--	--	18	--
	19	AM212	HWCP-5	20 A	3	2.11	6.93					3	30 A	CU-1	ROOF	20	
--	21	--	--	--	--			2.11	6.93			--	--	--	--	22	--
--	23	--	--	--	--					2.11	6.93	--	--	--	--	24	--
	25	AM212	HWCP-4	20 A	3	2.11	6.93					3	30 A	CU-2	ROOF	26	
--	27	--	--	--	--			2.11	6.93			--	--	--	--	28	--
--	29	--	--	--	--					2.11	6.93	--	--	--	--	30	--
--	31	SPACE	--	--	--	0.00	0.00					--	--	--	SPACE	32	--
--	33	SPACE	--	--	--			0.00	0.00			--	--	--	SPACE	34	--
--	35	SPACE	--	--	--					0.00	0.00	--	--	--	SPACE	36	--
--	37	SPACE	--	--	--	0.00	0.00					--	--	--	SPACE	38	--
--	39	SPACE	--	--	--			0.00	0.00			--	--	--	SPACE	40	--
--	41	SPACE	--	--	--					0.00	0.00	--	--	--	SPACE	42	--
				TOTAL LOAD:		176.25 kVA		175.96 kVA		175.73 kVA							
				TOTAL AMPS:		636 A		635 A		634 A							

TOTAL CONNECTED LOAD: 527.94 kVA
TOTAL CONNECTED AMPS: 636 A
NOTES: PROVIDE NEW DISTRIBUTION PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 12M3 | VOLTS: 208Y/120 V | MAINS RATING: 225 A
LOCATION: CONC A112 | PHASES: 3 | MAINS TYPE: MLO
MOUNTING: SURFACE | WIRES: 4 | MCB RATING:
SUPPLY FROM: 12DPM1 | AIC RATING: 10,000 | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	AC110	RECEPTS	20 A	1	0.54	0.18					1	20 A	RECEPT	A112	2	
	3	AC110	RECEPTS	20 A	1			0.54	0.18			1	20 A	RECEPT	A112	4	
G	5	AC110	EWC	20 A	1					1.00	0.18	1	20 A	RECEPT	A112	6	
	7	A122C	RECEPTS	20 A	1	0.36	0.18					1	20 A	RECEPT	A112	8	
	9	A122C	RECEPTS	20 A	1			0.36	0.18			1	20 A	RECEPT	A112	10	
G	11	RG RR AR122C	HAND D	20 A	1					1.50	0.18	1	20 A	RECEPT	A112	12	
	13	AR122C, AR110	RECEPTS	20 A	1	0.36	1.20					1	20 A	REFRIG	A112	14	G
G	15	RG FAMILY RR AR110	HAND D	20 A	1			1.50	1.20			1	20 A	REFRIG	A112	16	G
	17	AR108, AR106	RECEPTS	20 A	1					0.36	0.36	1	20 A	RECEPTS	A112, A112A	18	
G	19	AR106	HAND D	20 A	1	1.50	0.18					1	20 A	RECEPT	A112	20	
G	21	AR106	HAND D	20 A	1			1.50	0.00			1	20 A		SPARE	22	--
G	23	AR108	HAND D	20 A	1					1.50	0.00	1	20 A		SPARE	24	--
G	25	AR108	HAND D	20 A	1	1.50	0.00					1	20 A		SPARE	26	--
	27	A122C	FAN CTRL	20 A	1			0.20	0.00			1	20 A		SPARE	28	--
	29	AS210A - DISPLAY CASES	RECEPTS	20 A	1					0.36	0.00	1	20 A		SPARE	30	--
--	31	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	32	--
--	33	SPARE		20 A	1			0.00	0.36			1	20 A	RECEPTS	AS110B	34	
--	35	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	36	--
	37	A112, ROOF	EF-M1	20 A	1	0.53	1.00					1	20 A	RECEPT	AS110B - ELEV SUMP PUMP	38	
	39	A112, ROOF	EF-M2	20 A	1			0.53	0.96			2	20 A	VUV-127	A104	40	
	41	A112, ROOF	EF-M8	20 A	1					0.53	0.96	--	--	--	--	42	--
				TOTAL LOAD:		7.53 kVA		7.51 kVA		6.93 kVA							
				TOTAL AMPS:		63 A		63 A		58 A							

TOTAL CONNECTED LOAD: 21.97 kVA
TOTAL CONNECTED AMPS: 63 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 14M1 | VOLTS: 480Y/277 V | MAINS RATING: 225 A
LOCATION: ELEC NM100 | PHASES: 3 | MAINS TYPE: MLO
MOUNTING: SURFACE | WIRES: 4 | MCB RATING:
SUPPLY FROM: 14DPM1 | AIC RATING: 35,000 | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	A122	LIGHTING	20 A	1	3.81	0.57					1	20 A	LIGHTING	NC100, AM120	2	
	3	A122 b	LIGHTING	20 A	1			1.52	0.70			1	20 A	LIGHTING	A120-AR120, AR122B	4	
	5	A122	LIGHTING	20 A	1					3.81	0.75	1	20 A	LIGHTING	A118-AR118, AR122A	6	
	7	A122 b	LIGHTING	20 A	1	3.04	0.58					1	20 A	LIGHTING	A114-A116, A,AR122C	8	
	9	A122	LIGHTING	20 A	1			2.28	1.15			1	20 A	LIGHTING	AC110, A112,A, A122A,B, AR106,8	10	
	11	A122 b	LIGHTING	20 A	1					2.28	0.40	1	20 A	LIGHTING	A104	12	
	13	A122	LIGHTING	20 A	1	3.81	0.00					1	20 A		SPARE	14	--
	15	A122 b	LIGHTING	20 A	1			1.52	0.00			1	20 A		SPARE	16	--
	17	A122	LIGHTING	20 A	1					3.81	0.00	1	20 A		SPARE	18	--
	19	A122 b	LIGHTING	20 A	1	0.76	0.00					1	20 A		SPARE	20	--
	21	A122	LIGHTING	20 A	1			2.28	0.00			1	20 A		SPARE	22	--
	23	A122 b	LIGHTING	20 A	1					3.81	0.00	1	20 A		SPARE	24	--
	25	A122	LIGHTING	20 A	1	3.04	0.00					1	20 A		SPARE	26	--
	27	A122 b	LIGHTING	20 A	1			2.28	0.00			1	20 A		SPARE	28	--
	29	NM100	LC-M1	20 A	1					0.50	0.00	1	20 A		SPARE	30	--
	31	NM100	LC-M2	20 A	1	0.50	0.00					1	20 A		SPARE	32	--
	33	NM100	LC-M3	20 A	1			0.50	0.00			1	20 A		SPARE	34	--
--	35	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	36	--
--	37	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	38	--
--	39	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	40	--
--	41	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	42	--
				TOTAL LOAD:		16.12 kVA		12.24 kVA		15.35 kVA							
				TOTAL AMPS:		60 A		44 A		57 A							

TOTAL CONNECTED LOAD: 43.70 kVA
TOTAL CONNECTED AMPS: 60 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 22M1 | VOLTS: 208Y/120 V | MAINS RATING: 225 A
LOCATION: MECH AM212 | PHASES: 3 | MAINS TYPE: MLO
MOUNTING: SURFACE | WIRES: 4 | MCB RATING:
SUPPLY FROM: 12DPM1 | AIC RATING: | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	AC210	RECEPTS	20 A	1	0.54	0.50					1	20 A	TCC	AM212	2	
	3	A210, A212	RECEPTS	20 A	1			0.54	0.50			1	20 A	TCC	AM212	4	
	5	A212	RECEPTS	20 A	1					0.36	0.50	1	20 A	TCC	AM212	6	
	7	A212	RECEPTS	20 A	1	0.36	0.50					1	20 A	AHU-1	AM212 - LTG & RECEPT	8	
	9	AM212	RECEPTS	20 A	1			0.54	1.92			1	20 A	WH-5	AM212	10	
	11	AM212	RECEPTS	20 A	1					0.54	1.92	1	20 A	WH-4	AM212	12	
	13	AM212	RECEPTS	20 A	1	0.72	0.50					1	20 A	AHU-2	AM212 - LTG & RECEPT	14	
	15	AM212	ASF-1	20 A	1			0.53	0.36			1	20 A	RECEPTS	ROOF	16	
	17	AM212, ROOF	EF-M3	20 A	1					0.53	0.36	1	20 A	RECEPTS	ROOF	18	
	19	A212, AM212	HVL-1	20 A	1	0.70	0.54					1	20 A	RECEPTS	ROOF	20	
	21	A212, AM212	HVL-2	20 A	1			0.70	0.00			1	20 A		SPARE	22	--
	23	A212, AM212	HVL-3	20 A	1					0.70	0.00	1	20 A		SPARE	24	--
	25	A212, AM212	HVL-4	20 A	1	0.70	0.00					1	20 A		SPARE	26	--
	27	AM212	FCU-1	20 A	2			0.37	0.00			1	20 A		SPARE	28	--
--	29	--	--	--	--					0.37	0.00	1	20 A		SPARE	30	--
	31	AM212	FCU-2	20 A	2	0.69	0.00					1	20 A		SPARE	32	--
--	33	--	--	--	--			0.69	0.00			1	20 A		SPARE	34	--
	35	A210, AC210	FCU-3	20 A	2					0.69	0.00	1	20 A		SPARE	36	--
--	37	--	--	--	--	0.69	0.00					1	20 A		SPARE	38	--
	39	AS222	EWH-1	20 A	2			1.00	0.00			1	20 A		SPARE	40	--
--	41	--	--	--	--					1.00	0.00	1	20 A		SPARE	42	--
				TOTAL LOAD:		6.42 kVA		7.15 kVA		6.97 kVA							
				TOTAL AMPS:		54 A		60 A		59 A							

TOTAL CONNECTED LOAD: 20.54 kVA
TOTAL CONNECTED AMPS: 60 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 12M6 | VOLTS: 208Y/120 V | MAINS RATING: 100 A
LOCATION: IDF NM102 | PHASES: 3 | MAINS TYPE: MLO
MOUNTING: SURFACE | WIRES: 4 | MCB RATING:
SUPPLY FROM: 12DPM1 | AIC RATING: 10,000 | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	NM102	RECEPT	20 A	1	0.36	2.00					2	30 A	DATA RK	NM102	2	
	3	NM102	RECEPT	20 A	1			0.18	2.00			--	--	--	--	4	--
	5	NM102	RECEPT	20 A	1					0.18	2.00	2	30 A	DATA RK	NM102	6	
	7	NM102	RECEPT	20 A	1	0.36	2.00					--	--	--	--	8	--
--	9	SPARE		20 A	1			0.00	2.00			2	30 A	DATA RK	NM102	10	
--	11	SPARE		20 A	1					0.00	2.00	--	--	--	--	12	--
--	13	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	14	--
--	15	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	16	--
--	17	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	18	--
--	19	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	20	--
--	21	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	22	--
--	23	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	24	--
--	25	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	26	--
	27	NM102, ROOF	CU/SS-M2	35 A	2			2.60	0.00			1	20 A		SPARE	28	--
--	29	--	--	--	--					2.60	0.00	1	20 A		SPARE	30	--
				TOTAL LOAD:		4.72 kVA		6.78 kVA		6.78 kVA							
				TOTAL AMPS:		39 A		59 A		59 A							

TOTAL CONNECTED LOAD: 18.28 kVA
TOTAL CONNECTED AMPS: 59 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

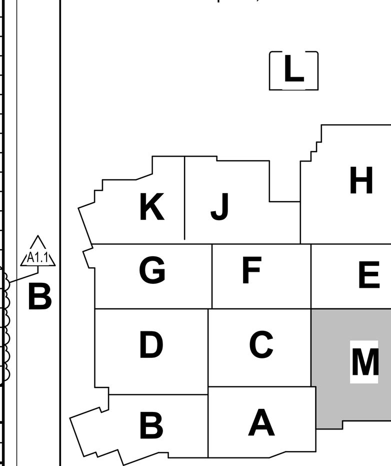
PANELBOARD SCHEDULE

DESIGNATION: 14M2 | VOLTS: 480Y/277 V | MAINS RATING: 400 A
LOCATION: STOR A122F | PHASES: 3 | MAINS TYPE: MLO
MOUNTING: SURFACE | WIRES: 4 | MCB RATING:
SUPPLY FROM: 14DPM1 | AIC RATING: 35,000 | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	A124 - FILTER CIRC. PUMP	P7A	60 A	3	12.19	0.18					1	20 A	LIGHTING	A122D, A122E, A122F	2	
--	3	--	--	--	--			12.19	0.44			1	20 A	LIGHTING	N104, N104A, N104B	4	
--	5	--	--	--	--					12.19	1.78	1	20 A	LIGHTING	N104	6	
	7	A124 - FILTER CIRC. PUMP	P7B	60 A	3	12.19	0.72					1	20 A	LIGHTING	A124, A124A	8	
--	9	--	--	--	--			12.19	0.00			1	20 A		SPARE	10	--
--	11	--	--	--	--					12.19	0.00	1	20 A		SPARE	12	--
	13	A124 - AUX. PUMP	P8	60 A	3	12.19	4.32					3	30 A	AHU-M1	N200	14	
--	15	--	--	--	--			12.19	4.32			--	--	--	--	16	--
--	17	--	--	--	--					12.19	4.32	--	--	--	--	18	--
	19	A124 - REGEN FILT AIR COMP	P21	20 A	3	0.54	0.00					1	20 A		SPARE	20	--
--	21	--	--	--	--			0.54	0.00			1	20 A		SPARE	22	--
--	23	--	--	--	--					0.54	0.00	1	20 A		SPARE	24	--
--	25	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	26	--
--	27	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	28	--
--	29	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	30	--
--	31	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	32	--
--	33	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	34	--
--	35	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	36	--
--	37	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	38	--
--	39	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	40	--
--	41	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	42	--
				TOTAL LOAD:		42.35 kVA		41.89 kVA		43.23 kVA							
				TOTAL AMPS:		153 A		151 A		156 A							

TOTAL CONNECTED LOAD: 127.47 kVA
TOTAL CONNECTED AMPS: 156 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

7300 E 56th St.
Indianapolis, IN 46226



KEY PLAN

PANELBOARD SCHEDULE

DESIGNATION: 12MLS1 | VOLTS: 208Y/120 V | MAINS RATING: 60 A
LOCATION: ELEC NM100 | PHASES: 3 | MAINS TYPE: MCB
MOUNTING: SURFACE | WIRES: 4 | MCB RATING: 60 A
SUPPLY FROM: T-1MLS1 | AIC RATING: 10,000 | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	AS110B - ELEV CAB	LIGHTING	20 A	1	0.72	0.00					1	20 A		SPARE	2	--
	3	NM102	EAC	20 A	1			0.50	0.00			1	20 A		SPARE	4	--
--	5	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	6	--
--	7	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	8	--
--	9	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	10	--
--	11	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	12	--
--	13	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	14	--
--	15	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	16	--
--	17	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	18	--
				TOTAL LOAD:		0.72 kVA		0.50 kVA		0.00 kVA							
				TOTAL AMPS:		7 A		5 A		0 A							

TOTAL CONNECTED LOAD: 1.22 kVA
TOTAL CONNECTED AMPS: 7 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

EXISTING PANELBOARD SCHEDULE

DESIGNATION: 14CLS1 | VOLTS: 480Y/277 V | MAINS RATING: 100 A
LOCATION: STOR. E101C | PHASES: 3 | MAINS TYPE: MLO
MOUNTING: SURFACE | WIRES: 4 | MCB RATING:
SUPPLY FROM: 14DPLS1 | AIC RATING: | MCB OPTIONS:

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
--	1	SPARE		20 A	1	0.00	0.39					1	20 A	LIGHTING	EX CC100, AC100	2	
	3	EX CM100	LC-1C	20 A	1			0.50	0.30			1	20 A	LIGHTING	EX AC100	4	
	5	EX UNIT C NORTHWEST EM	LIGHTING	20 A	1					1.44	0.00	1	20 A		SPARE	6	--
	7	EX FC100, E102,4, A103,5,...	LIGHTING	20 A	1	0.88	0.00					1	20 A		SPARE	8	--
--	9	EX T-1ALS1/12ALS1	TX/PANEL	30 A	3			1.00	0.00			1	20 A		SPARE	10	--
--	11	--	--	--	--					1.00	0.08	1	20 A	LIGHTING	AS110B ELEV PIT - NOTE 1	12	
--	13	--	--	--	--	0.62	1.61					1	20 A	LIGHTING	UNIT M NORTH, N104 - NOTE 1	14	
--	15	SPACE	--	--	--			0.00	2.08			1	20 A	LIGHTING	AM212, A212, AC210 - NOTE 1	16	
--	17	SPACE	--	--	--					0.00	2.31	1	20 A	LIGHTING	A122 EAST - NOTE 1	18	
--	19	SPACE	--	--	--	0.00	2.31					1	20 A	LIGHTING	A122 WEST - NOTE 1	20	
--	21	SPACE	--	--	--			0.00	1.68			1	20 A	LIGHTING	UNIT M EAST - NOTE 1	22	
--	23	SPACE	--	--	--					0.00	0.94	1	20 A	LIGHTING	A124,A, UNIT M EXTERIOR - NOTE 1	24	
--	25	SPACE	--	--	--	0.00	0.72					3	30 A	TX/PNL	T-1MLS1 / 12MLS1 - NOTE 1	26	
--	27	SPACE	--	--	--			0.00	0.50			--	--	--	--	28	--
--	29	SPACE	--	--	--					0.00	0.00	--	--	--	--	30	--
				TOTAL LOAD:		6.53 kVA		6.06 kVA		5.78 kVA							
				TOTAL AMPS:		24 A		22 A		21 A							

TOTAL CONNECTED LOAD: 18.36 kVA
TOTAL CONNECTED AMPS: 24 A
NOTES: EXISTING PANELBOARD AND CIRCUIT BREAKERS FROM EARLIER PROJECT PHASE TO REMAIN UON.
1. PROVIDE CIRCUIT BREAKER AND CONNECT TO LOAD INDICATED. PROVIDE F40 BRANCH CIRCUIT WIRING TO MITIGATE VOLTAGE DROP.

POWER DISTRIBUTION PANELBOARD SCHEDULE

DESIGNATION: 12DPM1 | VOLTS: 208Y/120 V | MAINS RATING: 800 A
LOCATION: ELEC NM100 | PHASES: 3 | MAINS TYPE: MCB
MOUNTING: SURFACE | WIRES: 4 | MCB RATING: 800 A
SUPPLY FROM: T-1M1 | AIC RATING: 65,000 | MCB OPTIONS: Y

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	12M1	PANEL	225 A	3	10.62	4.38					3	225 A	PANEL	12M2	2	
--	3	--	--	--	--			11.12	4.60			--	--	--	--	4	--
--	5	--	--	--	--					10.96	4.42	--	--	--	--	6	--
	7	12M3	PANEL	225 A	3	7.53	19.50					3	225 A	PANEL	12M4	8	
--	9	--	--	--	--			7.51	19.77			--	--	--	--	10	--
--	11	--	--	--	--					6.93	19.46	--	--	--	--	12	--
	13	12M5	PANEL	225 A	3	4.67	4.72					3	100 A	PANEL	12M6	14	
--	15	--	--	--	--			5.22	6.78			--	--	--	--	16	--
--	17	--	--	--	--					4.25	6.78	--	--	--	--	18	--
	19	22M1	PANEL	225 A	3	6.42	0.00					3	100 A		SPARE	20	--
--	21	--	--	--	--			7.15	0.00			--	--	--	--	22	--
--	23	--	--	--	--					6.97	0.00	--	--	--	--	24	--
--	25	SPARE		225 A	3	0.00	0.00					--	--	--	SPACE	26	--
--	27	--	--	--	--			0.00	0.00			--	--	--	SPACE	28	--
--	29	--	--	--	--					0.00	0.00	--	--	--	SPACE	30	--
				TOTAL LOAD:		57.84 kVA		62.15 kVA		59.77 kVA							
				TOTAL AMPS:		482 A		520 A		501 A							

TOTAL CONNECTED LOAD: 179.76 kVA
TOTAL CONNECTED AMPS: 520 A
NOTES: PROVIDE NEW DISTRIBUTION PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

MSD OF LAWRENCE TOWNSHIP

PANELBOARD SCHEDULES

E-604.1

2018-050 LCH_MSD OF LAWRENCE TOWNSHIP_ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL_
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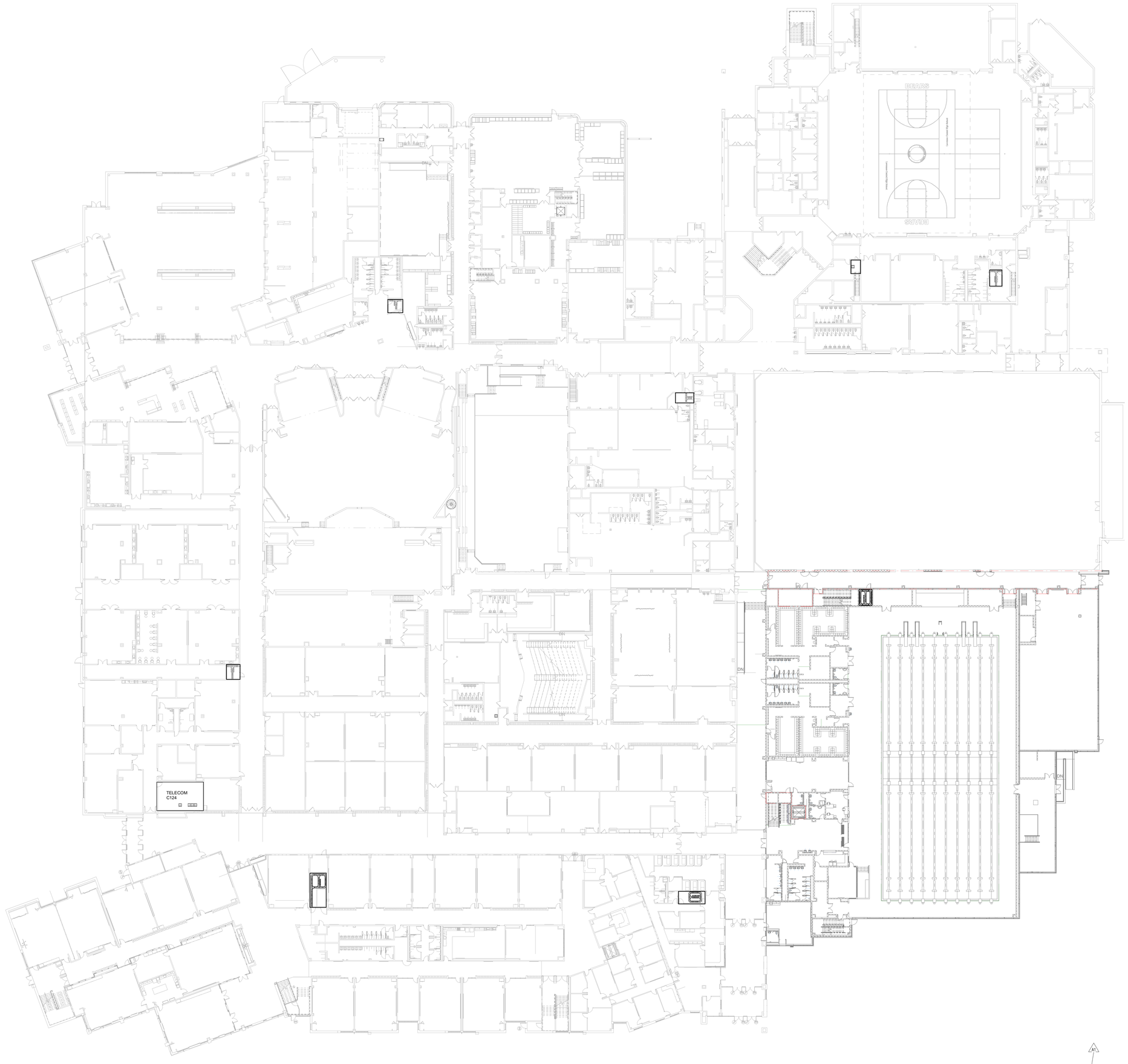

1 FIRST FLOOR TELECOMMUNICATIONS POOL ZONE PLAN
3/64" = 1'-0"

SCHMIDT ASSOCIATES
415 Massachusetts Avenue
Indianapolis, IN 46204
www.schmidt-arch.com

Project No. 2018-050.LCP
Project Date 12/01/2021
Produced MD, JB

SARAH KATHLEEN HEMPSTEAD
REGISTERED
NO. AR10400134
STATE OF INDIANA
ARCHITECT

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#	Revision	Date
A1	Addendum 1	12.14.2021

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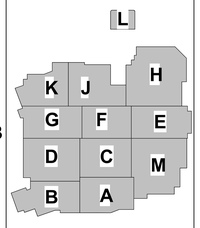
INDIANAPOLIS, IN 46226



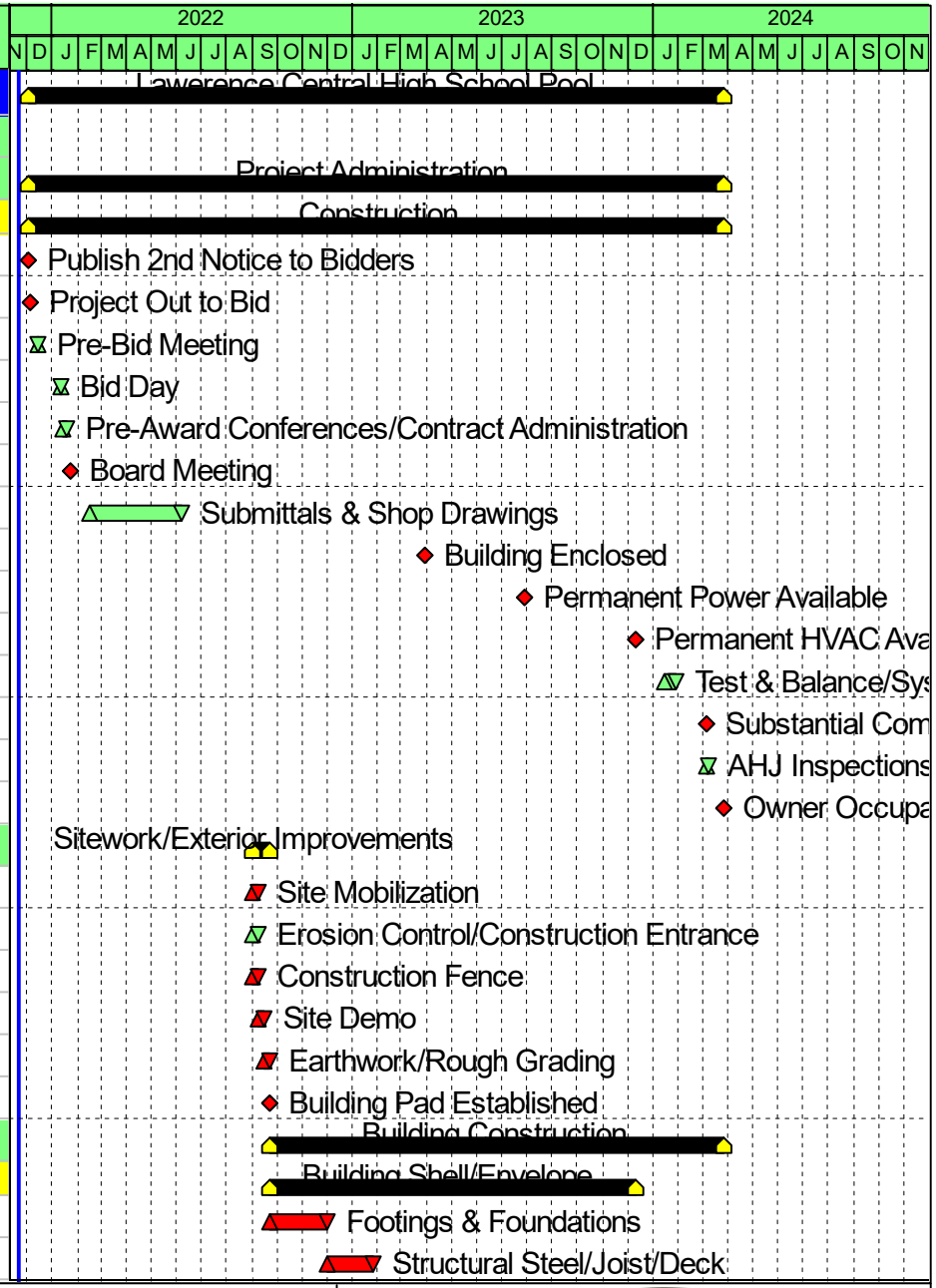
KEY PLAN

MSD OF LAWRENCE TOWNSHIP

OVERALL TELECOMMUNICATIONS PLAN

TF101.1

Activity Name	Original Duration	Start	Finish
Lawerence Central High School Pool	594	03-Dec-2	27-Mar-24
Lawrence Central	0		
Project Administration	604	03-Dec-2	27-Mar-24
Construction	604	03-Dec-2	27-Mar-24
Publish 2nd Notice to Bidders	0	03-Dec-2	
Project Out to Bid	0	06-Dec-2	
Pre-Bid Meeting	1	14-Dec-2	14-Dec-21
Bid Day	1	12-Jan-22	12-Jan-22
Pre-Award Conferences/Contract Ac	5	13-Jan-22	19-Jan-22
Board Meeting	0		24-Jan-22
Submittals & Shop Drawings	80	15-Feb-2	06-Jun-22
Building Enclosed	0		29-Mar-23
Permanent Power Available	0	28-Jul-23	
Permanent HVAC Available	0	12-Dec-2	
Test & Balance/Systems Commissic	10	16-Jan-24	29-Jan-24
Substantial Completion	0		06-Mar-24
AHJ Inspections	2	07-Mar-24	08-Mar-24
Owner Occupancy	0		27-Mar-24
Sitework/Exterior Improvements	15	01-Sep-2	21-Sep-22
Site Mobilization	5	01-Sep-2	07-Sep-22
Erosion Control/Construction Entrance	5	01-Sep-2	07-Sep-22
Construction Fence	5	01-Sep-2	07-Sep-22
Site Demo	5	08-Sep-2	14-Sep-22
Earthwork/Rough Grading	5	15-Sep-2	21-Sep-22
Building Pad Established	0		21-Sep-22
Building Construction	395	22-Sep-2	27-Mar-24
Building Shell/Envelope	318	22-Sep-2	11-Dec-23
Footings & Foundations	50	22-Sep-2	30-Nov-22
Structural Steel/Joist/Deck	40	01-Dec-2	25-Jan-23



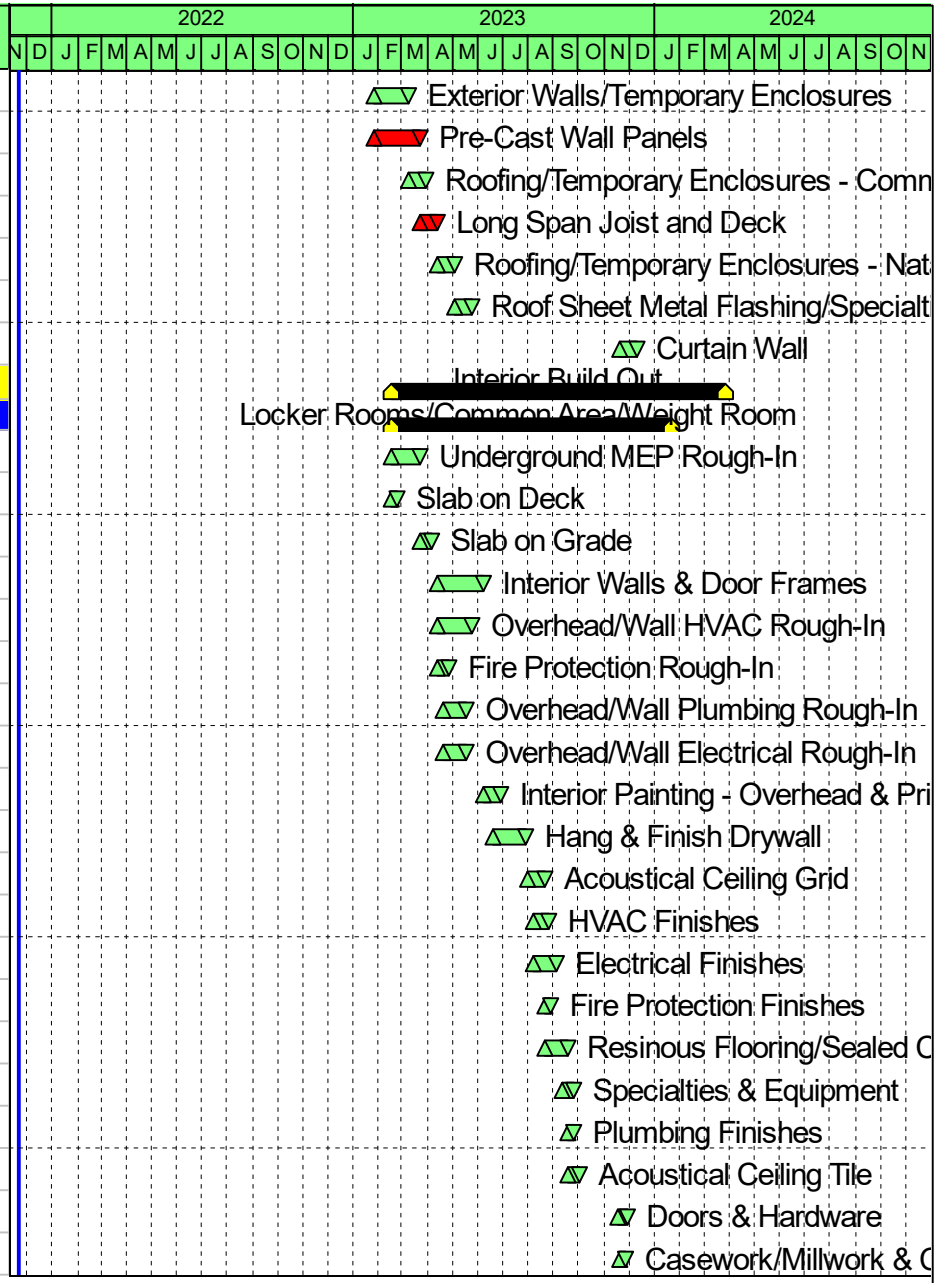
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

Lawerence Central High School Pool 218053-1

Guideline Schedule

SKILLMAN

Activity Name	Original Duration	Start	Finish
Exterior Walls/Temporary Enclosures	30	26-Jan-23	08-Mar-23
Pre-Cast Wall Panels	40	26-Jan-23	22-Mar-23
Roofing/Temporary Enclosures - Co	15	09-Mar-23	29-Mar-23
Long Span Joist and Deck	15	23-Mar-23	12-Apr-23
Roofing/Temporary Enclosures - Nat	15	13-Apr-23	03-May-23
Roof Sheet Metal Flashing/Specialtie	15	04-May-2	24-May-23
Curtain Wall	15	21-Nov-2	11-Dec-23
Interior Build Out	290	16-Feb-2	27-Mar-24
Locker Rooms/Common Area/Weight Room	243	16-Feb-2	22-Jan-24
Underground MEP Rough-In	25	16-Feb-2	22-Mar-23
Slab on Deck	5	16-Feb-2	22-Feb-23
Slab on Grade	10	23-Mar-23	05-Apr-23
Interior Walls & Door Frames	40	13-Apr-23	07-Jun-23
Overhead/Wall HVAC Rough-In	30	13-Apr-23	24-May-23
Fire Protection Rough-In	10	13-Apr-23	26-Apr-23
Overhead/Wall Plumbing Rough-Ir	20	20-Apr-23	17-May-23
Overhead/Wall Electrical Rough-Ir	20	20-Apr-23	17-May-23
Interior Painting - Overhead & Prin	15	08-Jun-23	28-Jun-23
Hang & Finish Drywall	30	19-Jun-23	28-Jul-23
Acoustical Ceiling Grid	15	01-Aug-2	21-Aug-23
HVAC Finishes	15	07-Aug-2	25-Aug-23
Electrical Finishes	20	08-Aug-2	04-Sep-23
Fire Protection Finishes	5	22-Aug-2	28-Aug-23
Resinous Flooring/Sealed Concrel	20	22-Aug-2	18-Sep-23
Specialties & Equipment	10	12-Sep-2	25-Sep-23
Plumbing Finishes	5	19-Sep-2	25-Sep-23
Acoustical Ceiling Tile	10	19-Sep-2	02-Oct-23
Doors & Hardware	10	17-Nov-2	30-Nov-23
Casework/Millwork & Concession	5	21-Nov-2	27-Nov-23



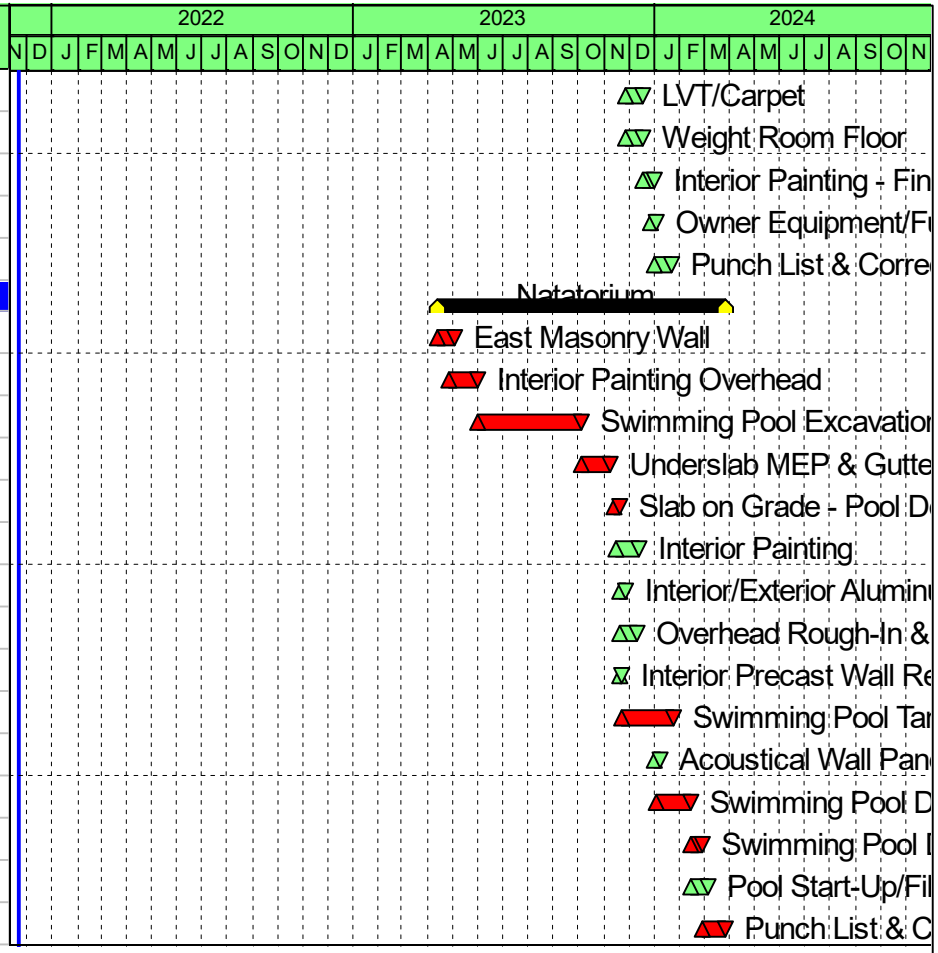
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

Lawerence Central High School Pool 218053-1

Guideline Schedule

SKILLMAN

Activity Name	Original Duration	Start	Finish
LVT/Carpet	15	28-Nov-2	18-Dec-23
Weight Room Floor	15	28-Nov-2	18-Dec-23
Interior Painting - Final Coat	10	19-Dec-2	01-Jan-24
Owner Equipment/Furnishings	5	27-Dec-2	02-Jan-24
Punch List & Corrections	15	02-Jan-24	22-Jan-24
Natatorium	250	13-Apr-23	27-Mar-24
East Masonry Wall	15	13-Apr-23	03-May-23
Interior Painting Overhead	25	27-Apr-23	31-May-23
Swimming Pool Excavation/Under	90	01-Jun-23	04-Oct-23
Underslab MEP & Gutter Rough-I	25	05-Oct-23	08-Nov-23
Slab on Grade - Pool Deck	5	14-Nov-2	20-Nov-23
Interior Painting	20	16-Nov-2	13-Dec-23
Interior/Exterior Aluminum Storefrc	5	21-Nov-2	27-Nov-23
Overhead Rough-In & MEP Finish	15	21-Nov-2	11-Dec-23
Interior Precast Wall Repairs	3	21-Nov-2	23-Nov-23
Swimming Pool Tank Tile	45	23-Nov-2	24-Jan-24
Acoustical Wall Panels	5	02-Jan-24	08-Jan-24
Swimming Pool Deck Tile	30	04-Jan-24	14-Feb-24
Swimming Pool Deck Equipment/S	10	15-Feb-2	28-Feb-24
Pool Start-Up/Fill Pool	15	15-Feb-2	06-Mar-24
Punch List & Corrections	20	29-Feb-2	27-Mar-24



Actual Work
Remaining Work
Critical Remaining Work
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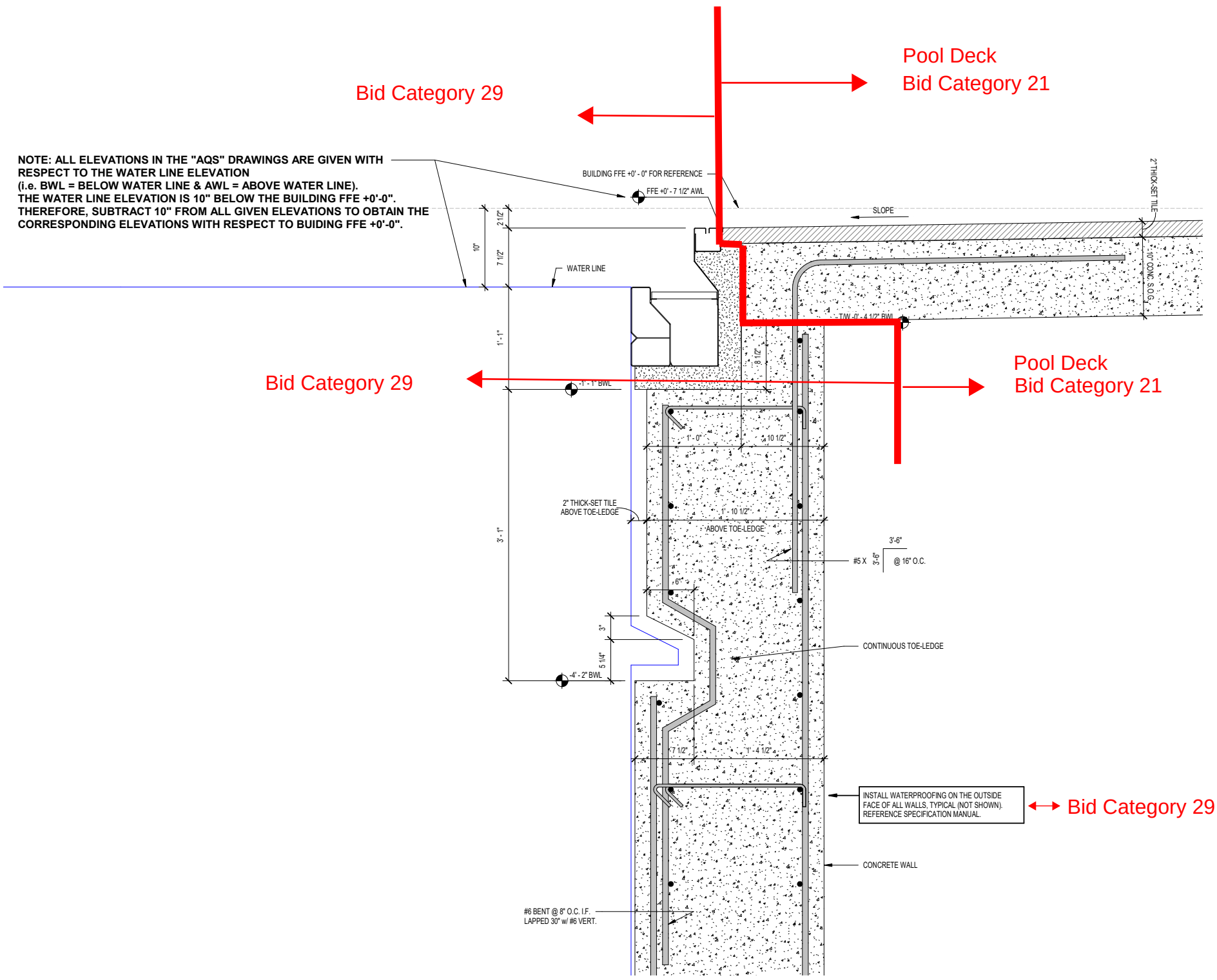
Lawerence Central High School Pool 218053-1

Guideline Schedule

SKILLMAN


Pool Deck
Bid Category 21
Bid Category 29
NOTE: ALL ELEVATIONS IN THE "AQS" DRAWINGS ARE GIVEN WITH RESPECT TO THE WATER LINE ELEVATION (i.e. BWL = BELOW WATER LINE & AWL = ABOVE WATER LINE). THE WATER LINE ELEVATION IS 10" BELOW THE BUILDING FFE +0'-0". THEREFORE, SUBTRACT 10" FROM ALL GIVEN ELEVATIONS TO OBTAIN THE CORRESPONDING ELEVATIONS WITH RESPECT TO BUIDING FFE +0'-0".
BUILDING FFE +0' - 0" FOR REFERENCE
FFE +0' - 7 1/2" AWL
SLOPE
2" THICK-SET TILE
10" CONC. S.O.G.
WATER LINE
TW -0' - 4 1/2" BWL
10"
2 1/2"
7 1/2"
1' - 1"
3' - 1"
8 1/2"
-1' - 1" BWL
1' - 0"
10 1/2"
2" THICK-SET TILE ABOVE TOE-LEDGE
1' - 10 1/2"
ABOVE TOE-LEDGE
#5 X 3'-6" @ 16" O.C.
6"
3"
5 1/4"
-4' - 2" BWL
CONTINUOUS TOE-LEDGE
7 1/2"
1' - 4 1/2"
INSTALL WATERPROOFING ON THE OUTSIDE FACE OF ALL WALLS, TYPICAL (NOT SHOWN). REFERENCE SPECIFICATION MANUAL.
CONCRETE WALL
#6 BENT @ 8" O.C. I.F. LAPPED 30" w/ #6 VERT.