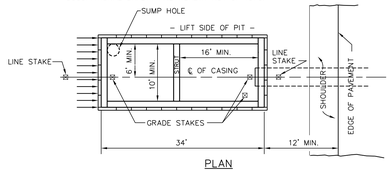
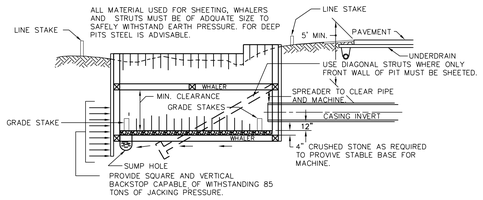
NOTE: ONE SIDE (PREFERABLY THE LEFT SIDE) MUST BE CLEAR AND ACCESSIBLE FOR TRUCK-CRANE OPERATIONS.

SHEETING IS REQUIRED WHERE SOIL CONDITIONS WILL NOT ALLOW A SAFE WORKABLE PIT. ANY PORTION OF PIT NOT SHEETED MUST BE SLOPED FOR SAFETY OF MEN AND EQUIPMENT. PIT CONSTRUCTION TO COMPLY WITH ALL PROVISIONS, REQUIREMENTS AND LATESTED REVISIONS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970.



PLAN

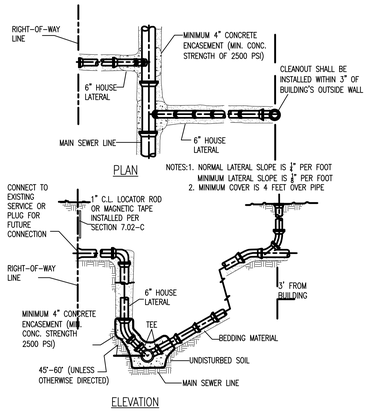


SECTION

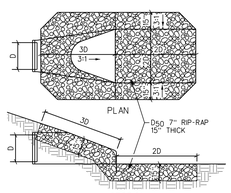
IMPORTANT: PIT MUST BE CONSTRUCTED WITH SAFETY IN MIND. SHEET OR SLOPE WALLS TO PROVIDE A SAFE WORKABLE PIT.

SUGGESTED BORE OR JACK PIT FOR HIGHWAY AND RAILROAD

(7E) Bore or Jack Pit Detail
Not to Scale



(6E) Deep Sewer Connection (15' Deep and Over)
Not to Scale

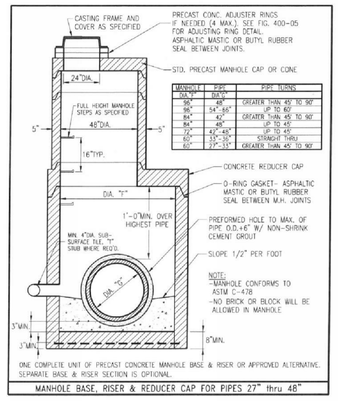


RIP-RAP @ PIPE OUTLET
NO SCALE

MAINTENANCE
•Inspect rock chutes after storm events for stone displacement and for erosion at the sides and ends of the apron
•Make needed repairs immediately: use appropriate size stone, do not place them above the finished grade.

RIP-RAP SCHEDULE	
PIPE	SYS
12	2
15	3
18	4
21	5
24	6
27	7
30	8.5
33	10
36	11.5
42	15
48	19
54	29

(7C) Rip-rap at Pipe Oulet
Scale: N.T.S.

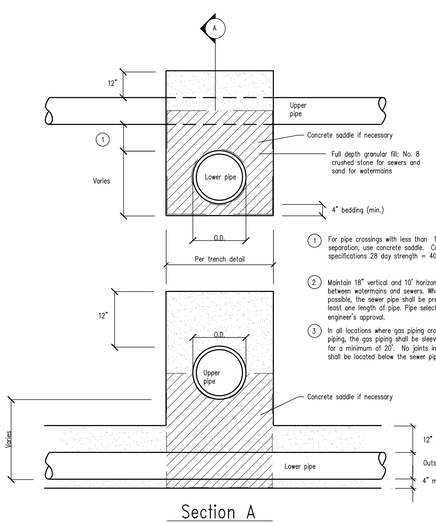


MANHOLE DIA."D"	PIPE DIA."D"	PIPE TURNS
96"	48"	GREATER THAN 45° TO 90°
96"	54"-66"	UP TO 60°
84"	42"	GREATER THAN 45° TO 90°
84"	48"	UP TO 45°
60"	42"-48"	UP TO 45°
60"	30"-36"	STRAIGHT THRU
60"	27"-33"	GREATER THAN 45° TO 90°

FIGURE 400-02: Manhole Base, Riser & Reducer Cap for Pipes 27" thru 48"

City of Indianapolis
Storm Water Specifications Manual

Appendix page A4-2
January 2019 - FINAL

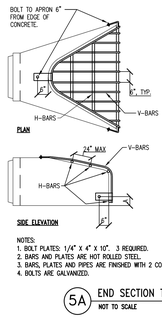


1 For pipe crossings with less than 18" separation, use concrete saddle. Concrete per specifications 28 day strength = 4000 psi.

2 Maintain 18" vertical and 10' horizontal separation between watermains and sewers. When this is not possible, the sewer pipe shall be pressure rated for at least one length of pipe. Pipe selection is subject to engineer's approval.

3 In all locations where gas piping crosses beneath sewer piping, the gas piping shall be sleeved with steel pipe, for a minimum of 20'. No joints in the steel sleeve shall be located below the sewer pipe.

(7A) Utility Crossing Detail
Not to Scale



	APRON SIZE	V-BAR SIZE INCHES	H-BAR SIZE INCHES	NO. OF H-BARS REQ'D.	BOLT DIA. INCHES	"A" DIM SIZE INCHES
ARCH PIPE APRONS	18	1/2 DIA	5/8 DIA	3	1/2	5
	24	5/8 DIA	3/4 DIA	4	1/2	7
	30	5/8 DIA	3/4 DIA	4	1/2	7-1/2
	36	3/4 DIA	1 DIA	4	1/2	10-1/2
	42	3/4 DIA	1 DIA	4	3/4	11
	48	3/4 DIA	1-1/2 PIPE	4	3/4	12
	54	3/4 DIA	1-1/2 PIPE	4	3/4	12
	60	3/4 DIA	1-1/2 PIPE	5	3/4	14
	72	3/4 DIA	1-1/2 PIPE	5	3/4	14
	84	3/4 DIA	1-1/2 PIPE	6	3/4	15
ROUND PIPE APRONS	12	1/2 DIA	5/8 DIA	3	1/2	4
	15	1/2 DIA	5/8 DIA	3	1/2	4-1/2
	18	1/2 DIA	5/8 DIA	4	1/2	4-1/2
	21	1/2 DIA	5/8 DIA	4	1/2	5
	24	5/8 DIA	3/4 DIA	4	1/2	5
	27	5/8 DIA	3/4 DIA	4	1/2	5-1/2
	30	5/8 DIA	3/4 DIA	4	1/2	5-1/2
	36	3/4 DIA	1 DIA	4	3/4	8
	42	3/4 DIA	1 DIA	4	3/4	8
	48	3/4 DIA	1 DIA	5	3/4	8
	54	3/4 DIA	1-1/2 PIPE	5	3/4	8
	60	3/4 DIA	1-1/2 PIPE	5	3/4	8
	66	3/4 DIA	1-1/2 PIPE	6	3/4	8
	72	3/4 DIA	1-1/2 PIPE	6	3/4	9
	84	3/4 DIA	1-1/2 PIPE	7	3/4	10
	90	3/4 DIA	1-1/2 PIPE	7	3/4	14

NOTES:
1. BOLT PLATES: 1/4" X 4" X 10". 3. REQUIRED.
2. BARS AND PLATES ARE HOT ROLLED STEEL.
3. BARS, PLATES AND PIPES ARE FINISHED WITH 2 COATS OF ALUMINUM PAINT.
4. BOLTS ARE GALVANIZED.

(5A) END SECTION TRASH/ANIMAL GRATE
NOT TO SCALE

A2

STRUCTURE DATA TABLE

STRUCTURE NUMBER	ST-1	ST-2	ST-3	ST-4	ST-5	ST-6	ST-7	ST-8	ST-9	ST-10	ST-11
DESCRIPTION	END SECTION	BOX INLET	END SECTION	END SECTION	MANHOLE	MANHOLE	MANHOLE	MANHOLE	MANHOLE	MANHOLE	MANHOLE
DETAIL NUMBER	5A/CU502	3A/CU501	5A/CU502	5A/CU502	1A/CU501	1A/CU501	1A/CU501	1A/CU501	1A/CU501	1A/CU501	1A/CU501
STRUCTURE SIZE		3'x3'			60"	60"	60"	60"	48"	48"	48"
CASTING NUMBER		R-3405			R-2535	R-2535	R-2535	R-2535	R-2535	R-2535	R-2535
RIM ELEVATION		847.50			844.25	848.00	848.50	847.50	851.50	852.50	853.95
INVERTS	831.23	834.21	834.21	835.24	835.87	837.82	840.08 E 840.18 S	841.43 843.50 W	843.43	844.82	846.38 (24") 848.35 (12")

STRUCTURE NUMBER	ST-11a	ST-11b	ST-11c	ST-12	ST-12a	ST-13	ST-13a	ST-14	ST-14a	ST-14b	ST-15
DESCRIPTION	BOX INLET	BOX INLET	BOX INLET	MANHOLE	MANHOLE	MANHOLE	BOX INLET	MANHOLE	BOX INLET	MANHOLE	MANHOLE
DETAIL NUMBER	3A/CU501	3A/CU501	3A/CU501	1A/CU501	1A/CU501	1A/CU501	3A/CU501	1A/CU501	3A/CU501	1A/CU501	1A/CU501
STRUCTURE SIZE	3'x3'	3'x3'	3'x3'	48"	48"	48"	2'x2'	60"	3'x3'	48"	60"
CASTING NUMBER	R-3405	R-3405	R-3405	R-2535	R-2535	R-2535	R-3405	R-2535	R-3405	R-2535	R-2535
RIM ELEVATION	853.60	854.25	854.50	854.70	858.05	855.50	857.10	855.47	856.20	857.93	855.90
INVERTS	849.65	850.28	851.36	848.51 N 848.80 S 850.50 E	854.30	849.59 N&S 850.00 E	853.15	850.88 N&S 851.40 E	852.44	852.86	851.65 N&E 852.15 S

STRUCTURE NUMBER	ST-15a	ST-15b	ST-16	ST-17	ST-18	ST-18a	ST-18b	ST-18c	ST-18d	ST-19	ST-20
DESCRIPTION	BOX INLET	BOX INLET	BOX INLET	BOX INLET	EX. MANHOLE	EX. MANHOLE	EX. END SECTION	EX. MANHOLE	EX. BMP	MANHOLE	MANHOLE
DETAIL NUMBER	3A/CU501	3A/CU501	3A/CU501	3A/CU501						1A/CU501	1A/CU501
STRUCTURE SIZE	3'x3'	2'x2'	3'x3'	2'x2'						72"	48"
CASTING NUMBER	R-3405	R-3405	R-3405	R-3405						R-2535	R-2535
RIM ELEVATION	856.45	858.05	857.20	857.60	852.37	852.33		852.33	852.33	852.38	852.12
INVERTS	852.52	853.39	853.30	853.59	845.61 N 846.18 S 846.57 E 847.10 W	845.41	841.59	845.48		847.69 E&W 848.83 SE	849.46

STRUCTURE NUMBER	ST-21	ST-22	ST-22a	ST-23	ST-24	ST-25	ST-26	ST-27	ST-28	ST-29	ST-30
DESCRIPTION	EX. MANHOLE	EX. MANHOLE	BOX INLET	EX. MANHOLE	EX. MANHOLE	EX. MANHOLE	EX. MANHOLE	EX. MANHOLE	BOX INLET	EX MANHOLE	EX MANHOLE
DETAIL NUMBER			3A/CU501						3A/CU501		
STRUCTURE SIZE			2'x2'						2'x2'		
CASTING NUMBER			R-3405						R-3405		
RIM ELEVATION	852.86	853.05	852.50	857.28	857.25	856.60	856.90	856.50	857.40	852.08	853.50
INVERTS	849.16	849.36 E&W 850.20 S	850.44	849.65	849.83	849.97	850.09	853.36	853.49	847.04 N&S 847.98 W	848.39

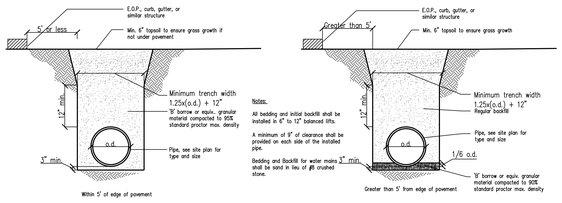
STRUCTURE NUMBER	ST-30a	ST-30b	ST-31	ST-32	ST-33	ST-34	ST-35	ST-36	ST-37	ST-38	ST-38a
DESCRIPTION	EX MANHOLE	EX MANHOLE	MANHOLE	MANHOLE	EX MANHOLE	BOX INLET	MANHOLE	MANHOLE	BOX INLET	MANHOLE	BOX INLET
DETAIL NUMBER			1A/CU501	1A/CU501		3A/CU501	1A/CU501	1A/CU501	3A/CU501	1A/CU501	3A/CU501
STRUCTURE SIZE			60"	60"		2'x2'	60"	60"	2'x2'	48"	5'x5'
CASTING NUMBER			R-2535	R-2535		R-3405	R-2535	R-2535	R-3405	R-2535	R-3405
RIM ELEVATION	852.41	852.72	852.50	853.60	854.85	854.65	853.60	853.90	856.40	852.90	852.25
INVERTS	849.51	848.77	847.33	847.55 N 847.76 S	848.70	847.96 S 849.80 N&W	847.81	847.85 N&E 850.80 SW	852.40	847.88 W&S 849.19 E	849.31

STRUCTURE NUMBER	ST-38b	ST-38c	ST-39	ST-39a	ST-39b	ST-39c	ST-39d	ST-39e	ST-39f	ST-40	ST-41
DESCRIPTION	BOX INLET	BOX INLET	MANHOLE	BOX INLET	MANHOLE	BOX INLET	BOX INLET	BOX INLET	BOX INLET	MANHOLE	BOX INLET
DETAIL NUMBER	3A/CU501	3A/CU501	1A/CU501	3A/CU501	1A/CU501	3A/CU501	3A/CU501	3A/CU501	3A/CU501	1A/CU501	3A/CU501
STRUCTURE SIZE	3'x3'	3'x3'	48"	3'x3'	48"	3'x3'	3'x3'	3'x3'	3'x3'	48"	3'x3'
CASTING NUMBER	R-3405	R-3405	R-2535	R-3405	R-2535	R-3405	R-3405	R-3405	R-3405	R-2535	R-3405
RIM ELEVATION	852.30	852.43	853.70	852.90	853.37	854.10	852.55	852.50	853.75	854.85	855.80
INVERTS	849.44	849.92	848.08 N 850.20 W 848.58 S 849.58 E	849.84	850.09	851.00	850.26 S 850.34 E	850.55	850.27	849.40	851.20

STRUCTURE NUMBER	ST-42	ST-43	ST-43a	ST-44	ST-45	ST-45a	ST-46	ST-46a	ST-47	ST-48	ST-49
DESCRIPTION	BOX INLET	EX MANHOLE	EX MANHOLE	BMP	MANHOLE	BOX INLET	MANHOLE	MANHOLE	BOX INLET	MANHOLE	BOX INLET
DETAIL NUMBER	3A/CU501			1A/CU501	1A/CU501	3A/CU501	1A/CU501	1A/CU501	3A/CU501	1A/CU501	3A/CU501
STRUCTURE SIZE	3'x3'			72"	72"	2'x2'	48"	48"	2'x2'	48"	3'x3'
CASTING NUMBER	R-3405			R-1772	R-2535	R-3405	R-2535	R-2535	R-3405	R-2535	R-3405
RIM ELEVATION	855.72	856.75	854.31	856.55	856.75	857.10	857.05	857.50	857.55	855.95	855.95
INVERTS	852.58	848.12		848.18	848.24 E,NE&W 850.20 NW	853.20	848.82 E&S 849.00 NW 850.50 W	849.70	853.25 W 852.35 E	849.68	851.95

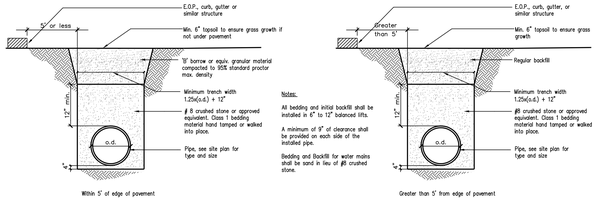
STRUCTURE NUMBER	ST-50	ST-51	ST-52	ST-53
DESCRIPTION	BOX INLET	BOX INLET	EX BOX	EX BOX
DETAIL NUMBER	3A/CU501	3A/CU501		
STRUCTURE SIZE	3'x3'	2'x2'		
CASTING NUMBER	R-3405	R-3405		
RIM ELEVATION	857.50	857.50	857.98	854.71
INVERTS	853.50	853.51	852.56	852.56

NOTE:
The BMP structure Aqua Swirl XC-4 shall not be changed after the city approved the plan.
If the contractor wants another BMP structure for the project, the contractor shall cover the cost the re-permitting cost and engineering time.



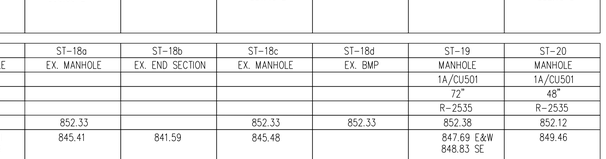
Notes:
All bedding and initial backfill shall be installed in 6" to 12" balanced lifts.
A minimum of 9" of clearance shall be provided on each side of the installed pipe.
Bedding and Backfill for water mains shall be sand in lieu of #8 crushed stone.
1" min.

(3B) Rigid Pipe Bedding Section
Not to Scale

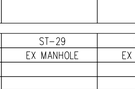


Notes:
All bedding and initial backfill shall be installed in 6" to 12" balanced lifts.
A minimum of 9" of clearance shall be provided on each side of the installed pipe.
Bedding and Backfill for water mains shall be sand in lieu of #8 crushed stone.

(3A) Flexible Pipe Bedding Section
Not to Scale

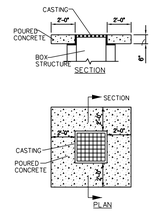


NOTES:
1. ALL JOINTS IN CASING PIPE SHALL BE RESTRAINED.
2. STEEL CASING SECTIONS SHALL BE CONNECTED BY WELDING. WELD SHALL BE IN ACCORDANCE WITH AWWA C206.
3. POLYETHYLENE CASING SHALL BE CONNECTED BY WELDING.
4. TRACING STATIONS SHALL BE INSTALLED ON EACH END OF CASING.
5. LOCATION & TYPE OF PRESSURE RELIEF DEVICE TO BE DETERMINED BY THE UTILITY



DI PIPE CASING SPACER DETAIL

(2B) Typical Boring Casing Pipe
Not to Scale



(2A) Concrete Collar for Storm Inlets
Scale: N.T.S.

SCHMIDT ASSOCIATES
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Project No. 2018-050.LCS
Project Date 05.05.2020
Produced JLS LZ

KILE E. MILLER REGISTERED NO. 19900465 STATE OF INDIANA PROFESSIONAL ENGINEER

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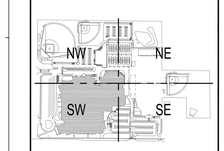
#	Revision	Date
A2	Addendum 2	05.27.2020

7300 E 56th Street
Indianapolis, IN 46226



KEY PLAN

MSD OF LAWRENCE TOWNSHIP

ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL

SITE UTILITY DETAILS

CU502

Indiana 811 Know what's below. Call before you dig.

CONCRETE PIER SCHEDULE

PIER MARK	PIER SIZE		PIER REINFORCING: VERTICALS	PIER REINFORCING: TIES-SIZE & SPACING	DETAIL
P26	2'-2"	2'-2"	(4) #9	#4 @ 12" O.C.	A
P32	2'-8"	2'-8"	(4) #10	#4 @ 12" O.C.	A
P48X36	4'-0"	3'-0"	(12) #8	#4 @ 12" O.C.	C

1. PROVIDE MIN. 1-1/2" CLEAR TO PIER TIES.

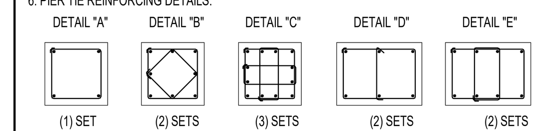
2. 'CRITICAL HEIGHT' DENOTES HT. ABOVE WHICH LARGER DIA. VERTICALS WITH FEWER TIES MAY BE USED. REFER TO FOUNDATION PLAN(S) FOR T/P & T/F ELEV'S.

3. TYPICAL TIE SPACING, UNLESS NOTED OTHERWISE: HOLD FIRST TIE 2" FROM TOP OF PIER. HOLD NEXT THREE TIES 3" ON CENTER, SPACE BALANCE OF TIES AT SCHEDULED SPACING, WITH BOTTOM TIE HELD 2" ABOVE TOP OF FOOTING.

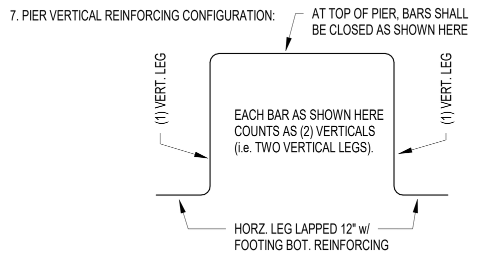
4. DOWELS TO FUNCTION AS PIER VERT'S FOR PIERS LESS THAN OR EQ. TO 5'-0" H. PROVIDE SEPARATE DOWELS & VERTICALS FOR PIERS GREATER THAN OR EQUAL TO 5'-0" H, UNLESS APPROVED.

5. CONTACT ENGINEER FOR DIRECTION IF COLUMN ANCHOR RODS FOUL WITH PIER TIES OR VERTICALS. FOR TIE DETAILS "C" & "E", REBAR DETAILER SHALL SIZE TIES TO AVOID CONFLICTS WITH COLUMN ANCHOR RODS.

6. PIER TIE REINFORCING DETAILS:



7. PIER VERTICAL REINFORCING CONFIGURATION:

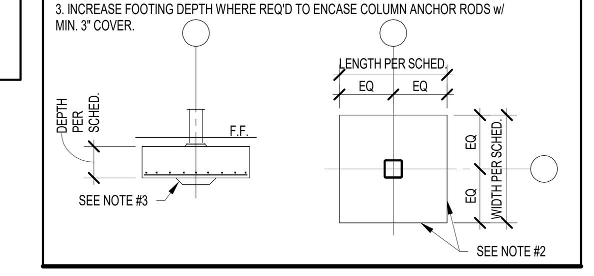


COLUMN FOOTING SCHEDULE

FOOTING MARK	FOOTING SIZE: WIDTH	x LENGTH	x DEPTH	REINFORCING (EACH WAY U.N.O.)
F4	4'-0"	4'-0"	1'-2"	(4) #5 x 3'-6"
F5	5'-0"	5'-0"	1'-2"	(5) #5 x 4'-6"
F6	6'-0"	6'-0"	1'-2"	(6) #6 x 5'-6"
F7	7'-0"	7'-0"	1'-4"	(7) #6 x 6'-6"
F8	8'-0"	8'-0"	1'-6"	(8) #7 x 7'-6"
F9	9'-0"	9'-0"	1'-8"	(9) #7 x 8'-6"
F10	10'-0"	10'-0"	1'-10"	(10) #8 x 9'-6"
F11	11'-0"	11'-0"	2'-0"	(11) #8 x 10'-6"
F12	12'-0"	12'-0"	2'-2"	(12) #8 x 11'-6"
F13	13'-0"	13'-0"	2'-4"	(13) #8 x 12'-6"
F14T	14'-0"	14'-0"	2'-6"	(14) #9 x 13'-6" TOP & BOTTOM
F15T	15'-0"	15'-0"	2'-8"	(15) #9 x 14'-6" TOP & BOTTOM
F16T	16'-0"	16'-0"	2'-10"	(16) #9 x 15'-6" TOP & BOTTOM
F6x4	6'-0"	4'-0"	1'-2"	(6) #6 x 3'-6" SW (4) #6 x 5'-6" LW
F6x4T	6'-0"	4'-0"	1'-2"	(6) #6 x 3'-6" SW TOP & BOTTOM (4) #6 x 5'-6" LW TOP & BOTTOM
F7x5	7'-0"	5'-0"	1'-4"	(7) #6 x 4'-6" SW (5) #6 x 6'-6" LW
F11x7	11'-0"	7'-0"	2'-0"	(11) #8 x 6'-6" SW (7) #8 x 10'-6" LW

NOTES:

1. CENTER FOOTINGS BENEATH COLUMNS, U.N.O.
2. ALL FOOTINGS SHALL BE BOARD-FORMED, UNLESS APPROVED IN WRITING BY A/E.
3. INCREASE FOOTING DEPTH WHERE REQ'D TO ENCASE COLUMN ANCHOR RODS w/ MIN. 3" COVER.



FOUNDATION PLAN NOTES

1. REF. S-600 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.

2. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.

3. COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FOUNDATION WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.

4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISHED FLOOR ELEVATION +0'-0" = 858.37' USGS (VERIFY w/ CIVIL DWGS).

6. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.

7. REF. S-400 FOR TYPICAL FOUNDATION DETAILS.

8. NOTE: PERIMETER WALL AND COLUMN FOOTINGS SHALL BE LOWERED AND/OR SLEEVED TO PASS BELOW PLUMBING LINES (I.E. SANITARY & STORM SEWERS, WATER LINES, ETC.) SHOWN ON THE PLUMBING DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER TYPICAL DETAIL 22/S-400. SEE 16/S-400 FOR TYPICAL FOOTING STEP DETAIL.

9. ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND/OR THE FLOORING SUPPLIER. SEE TYPICAL DETAIL 9/S-400.

10. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINF. NOTED ON PLANS & SECTIONS.

11. GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.

12. COLUMN FOOTINGS AND WALL FOOTINGS SHALL BEAR ON APPROVED SOIL. UNDERCUT AS REQ'D TO SUITABLE BEARING MATERIAL AS DETERMINED BY THE GEOTECHNICAL TESTING AGENCY. REF. TYPICAL FOOTING OVEREXCAVATION DETAILS 20 & 21 ON S-400.

13. COLUMN FOOTINGS SUPPORTING MORE THAN ONE COLUMN SHALL BE CENTERED AT THE MIDPOINT BETWEEN THE COLUMNS, UNLESS NOTED OTHERWISE ON PLAN.

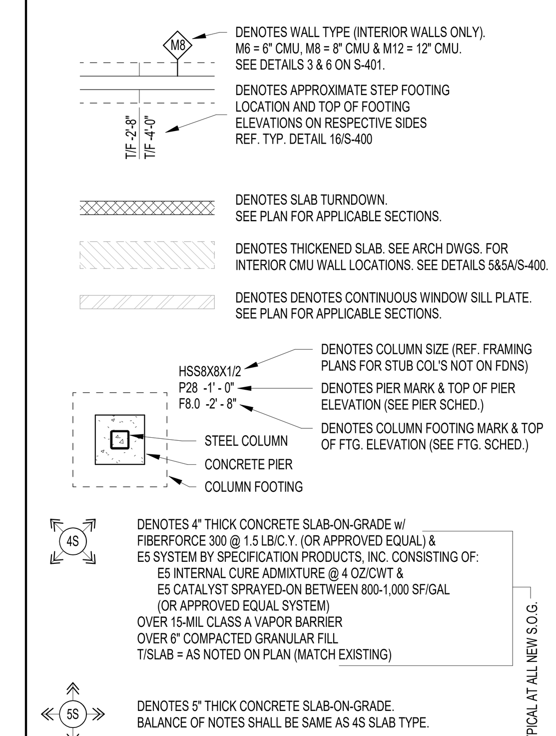
14. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE TYPICAL DETAILS 5&5A/S-400. PROVIDE 8" THICKENED SLABS BELOW BASE OF ALL STAIRS AND BELOW INTERIOR BRICK PILASTERS EXTENDING APPROXIMATELY 20" BEYOND PILASTER. COORDINATE DIMENSIONS WITH FINAL ARCHITECTURAL CONSTRUCTION DOCUMENTS.

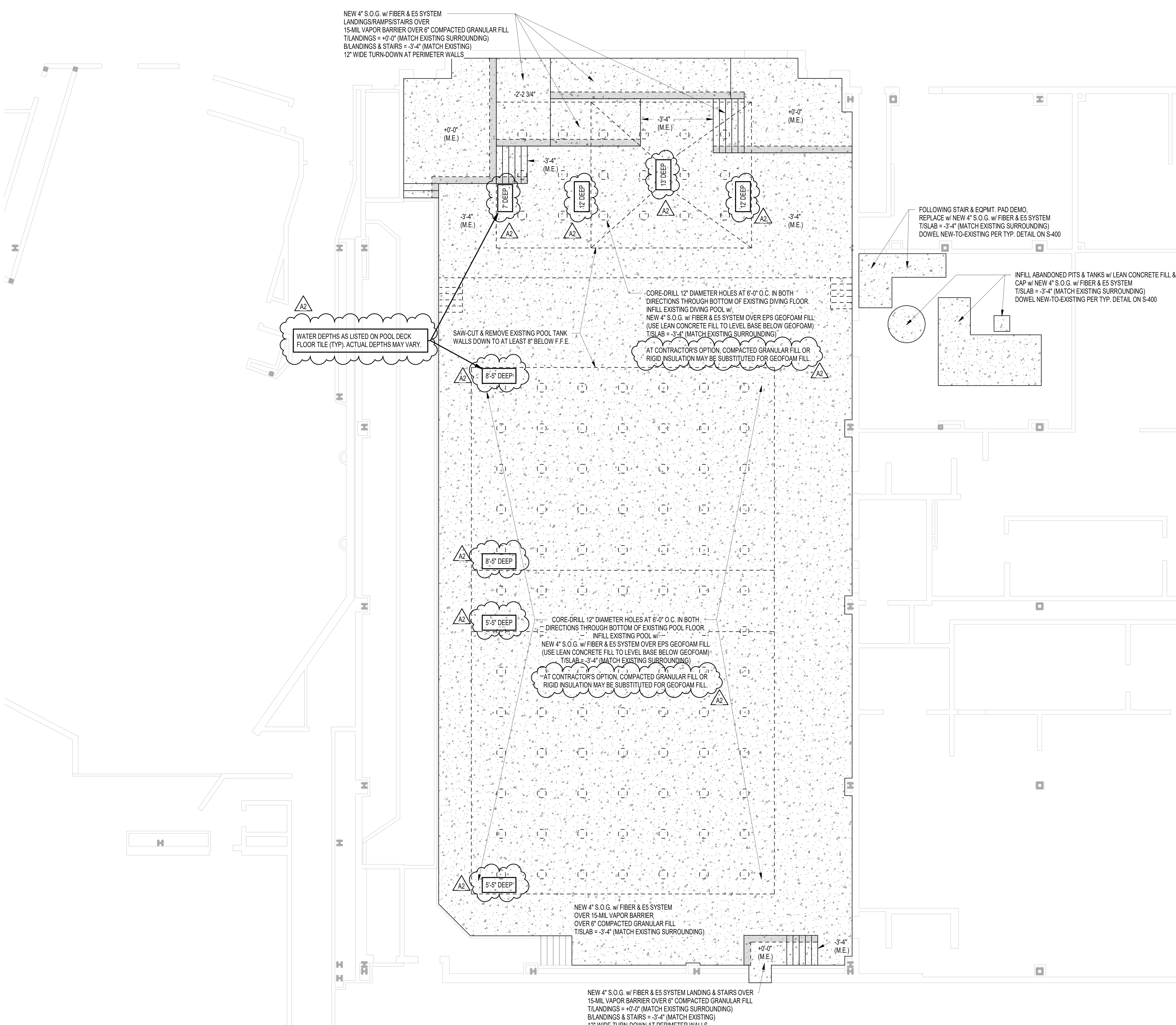
15. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS-ON-GRADE ALONG COLUMN CENTERLINES AND INTERMITTENTLY AT A MAXIMUM SPACING OF 36 X SLAB THICKNESS (I.E. 12' O.C. MAX FOR 4" THICK SLAB). ALL JOINTS IN SLABS TO RECEIVE THIN OR THICK-SET TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL-COMPOSITION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN-FILM FINISH FLOORING SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. SEE DETAIL 7/S-400.

16. ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND/OR SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN INFO. SHOWN ON THE DRAWINGS AND ACTUAL CONDITIONS IMMEDIATELY CONTACT ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.

17. PLAN LEGEND:

F.F. / FFE	DENOTES FINISHED FLOOR ELEVATION
T/C	DENOTES TOP OF CONCRETE ELEVATION
T/F	DENOTES TOP OF FOOTING ELEVATION





1 FOUNDATION PLAN - UNIT F
1/8" = 1'-0"

SCHMIDT ASSOCIATES
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Project No. 2018-050.LCH
Project Date 05.05.2020
Produced RMD/NRR

ROBERT M. DEE REGISTERED No. 10100205 STATE OF INDIANA PROFESSIONAL ENGINEER

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#	Revision	Date
1	Addendum #2	05.28.2020

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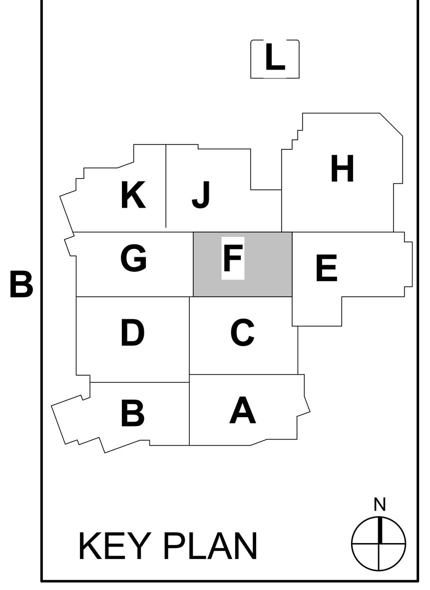


KEY PLAN

MSD OF LAWRENCE TOWNSHIP

ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL

FOUNDATION PLAN - UNIT F

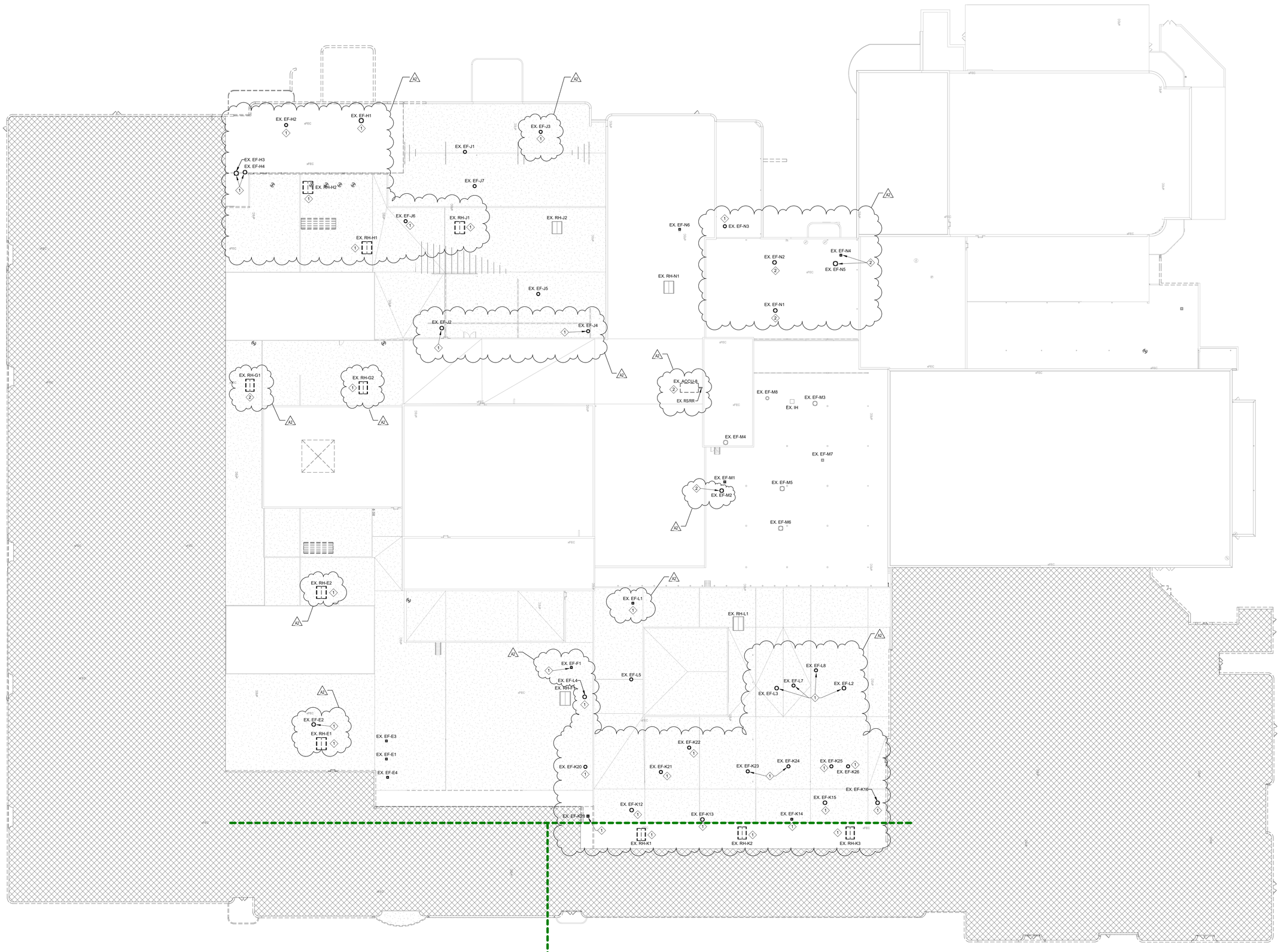
SF1F1

GENERAL DEMOLITION PIPING NOTES

#	NOTE
A	IN THE EVENT THAT ASBESTOS IS ENCOUNTERED DURING CONSTRUCTION, WORK IS TO HALT IMMEDIATELY UNTIL ASBESTOS HAS BEEN ABATED.
B	COORDINATE PIPING AND EQUIPMENT REMOVAL WITH THE GC FOR PHASING REQUIREMENTS TO KEEP THE BUILDING OPERATIONAL. FOR THE AREAS CROSS HATCHED REMOVE COMPLETE PIPING AND EQUIPMENT. MAKE REMAINING SYSTEMS OPERATIONAL AND MAKE SAFE.
C	DASHED LINES INDICATE PIPING SYSTEMS AND CONTROLS THAT SHALL BE REMOVED. CONSTRUCTION PHASING MAY REQUIRE SOME CONTROLS AND PIPING, INCLUDING MAINS, TO REMAIN DURING CONSTRUCTION UNTIL ALL SPACES ARE VACATED. REFERENCE PHASING DOCUMENTS.

DEMOLITION ROOF PLAN

#	NOTE
1	REMOVE ROOF MOUNTED EQUIPMENT ITEM AND CAP EXISTING CURB. REFER TO SHEET 'MR102' FOR NEW WORK.
2	REMOVE ROOF MOUNTED EQUIPMENT ITEM, INCLUDING ASSOCIATED ROOF CURB & ACCESSORIES.



2A MECHANICAL DEMO ROOF PLAN
3/64" = 1'-0"

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Project No. 2018-050.LCH
Project Date 05.05.2020
Produced MKM

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ARCHITECT

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#	Revision	Date
1	Addendum #2	05.21.2020

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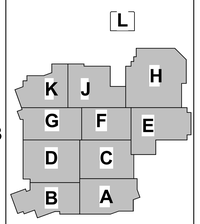


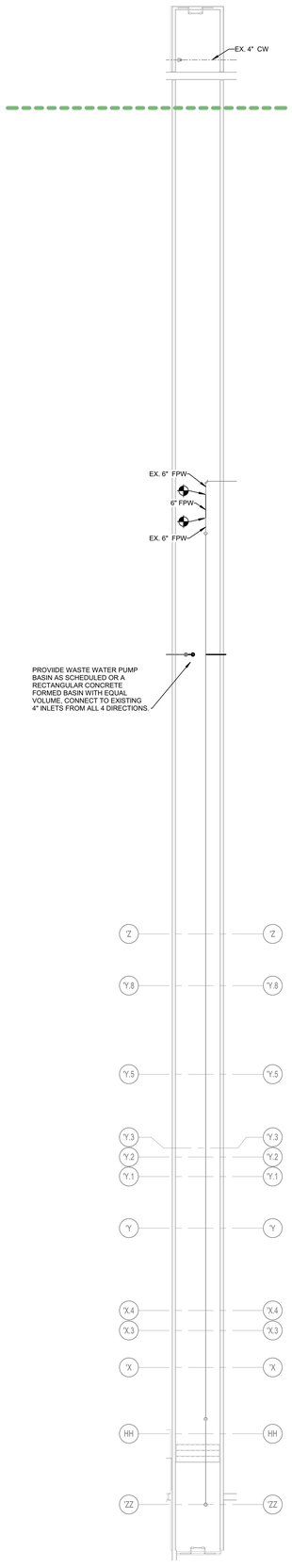
KEY PLAN

MSD OF LAWRENCE TOWNSHIP

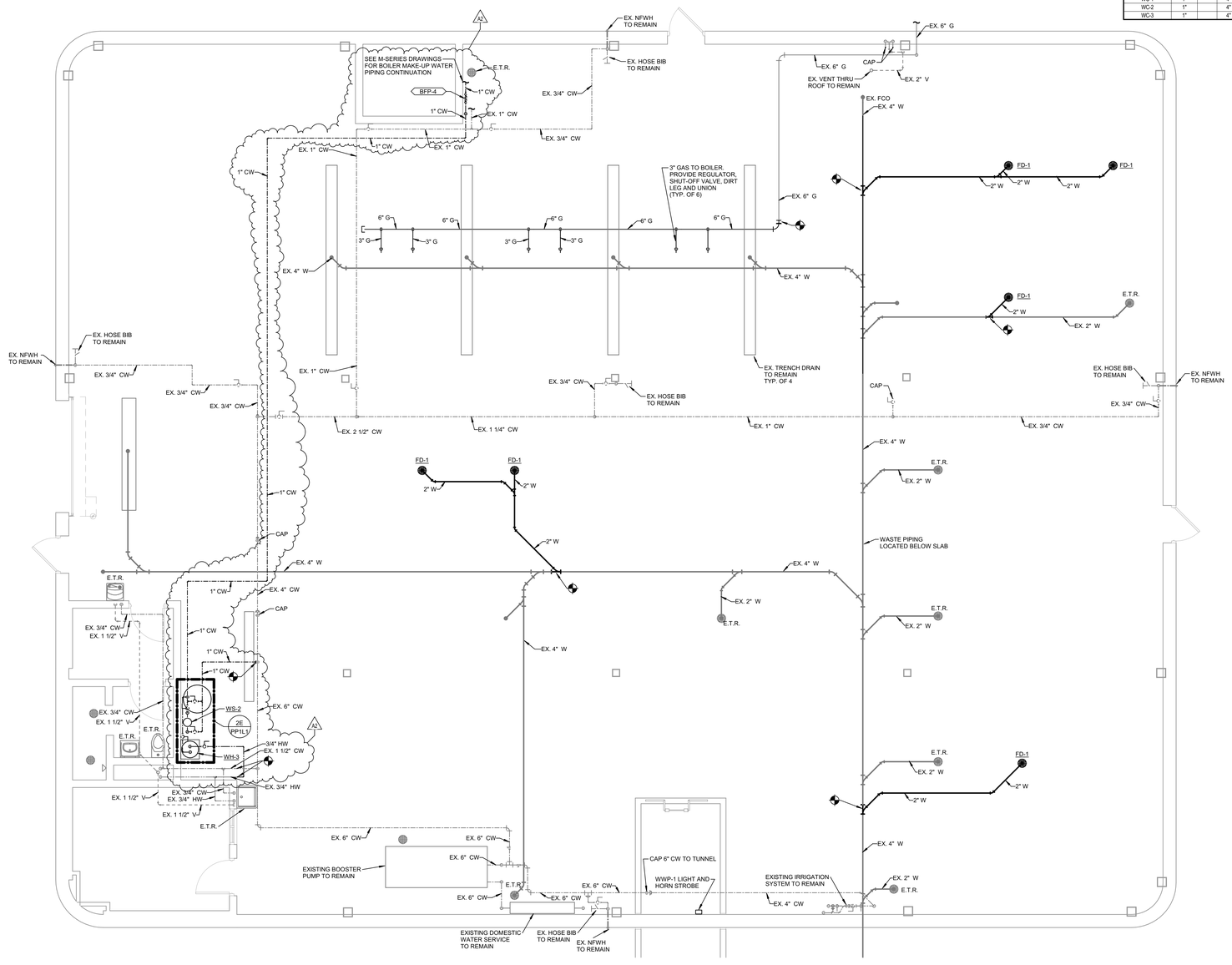
ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL

MECHANICAL DEMO ROOF PLAN

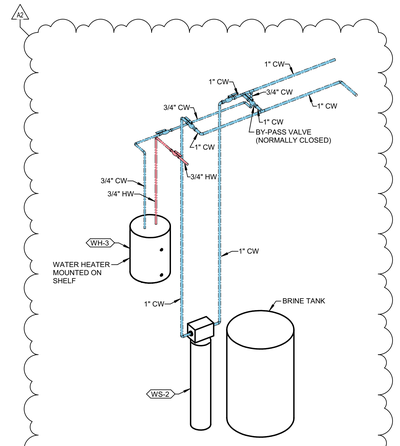
MDR101



6A FIRST FLOOR PLUMBING PLAN - TUNNEL
1/8" = 1'-0"



2A FIRST FLOOR PLUMBING PLAN - UNIT L
1/4" = 1'-0"



2E BOILER PLANT PIPING DIAGRAM
NOT TO SCALE

PLUMBING FIXTURE ROUGH-IN LEGEND

MARK	FIXTURE CONNECTION CW	HW	W	V
ESEW-1	1 1/4"	1 1/4"	1 1/2"	1 1/2"
EWC-1	1/2"		1 1/2"	1 1/2"
EWC-2	3/4"		1 1/2"	1 1/2"
EWC-2	3/4"		1 1/2"	1 1/2"
FD-1			2"	
FD-2			4"	
FD-3			2"	
FD-4			3"	
FD-5			4"	
FS-1			3"	
SI-2			1 1/2"	
L-1	1/2"	1/2"	1 1/2"	1 1/2"
L-2	1/2"	1/2"	1 1/2"	1 1/2"
L-3	1/2"	1/2"	1 1/2"	1 1/2"
L-4	1/2"	1/2"	1 1/2"	1 1/2"
L-5	1/2"	1/2"	1 1/2"	1 1/2"
L-2	1/2"	1/2"	1 1/2"	1 1/2"
HB-1	3/4"			
HB-2	3/4"			
NFWH-1	3/4"			
RH-1	3/4"			
SB-1	1/2"			
SB-2	1/2"			
SB-3	1/2"			
WMB-1	3/4"	3/4"	2"	1 1/2"
GT-1				
OFD-1			6"	
OFD-2			4"	
OFD-3			3"	
RD-1			6"	
RD-2			4"	
RD-3			3"	
RD-4			3"	
SH-1	1/2"	1/2"	2"	1 1/2"
SH-2	1/2"	1/2"	2"	1 1/2"
MB-1	3/4"	3/4"	3"	1 1/2"
SK-1	1/2"	1/2"	1 1/2"	1 1/2"
SK-2	1/2"	1/2"	1 1/2"	1 1/2"
SK-3	1/2"	1/2"	1 1/2"	1 1/2"
SK-4	1/2"	1/2"	1 1/2"	1 1/2"
SK-5	3/4"	3/4"	2"	2"
SK-6	1/2"	1/2"	1 1/2"	1 1/2"
SK-7	1/2"	1/2"	1 1/2"	1 1/2"
SK-8	1/2"	1/2"	1 1/2"	1 1/2"
SK-9	1/2"	1/2"	1 1/2"	1 1/2"
UR-1	3/4"		2"	1 1/2"
UR-2	3/4"		2"	1 1/2"
UR-3	3/4"		2"	1 1/2"
WC-1	1"		4"	2"
WC-2	1"		4"	2"
WC-3	1"		4"	2"

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Project No. 2018-050.LCH
Project Date 05.05.2020
Produced JH / KAV

SARAH KATHLEEN HEMPSTEAD REGISTERED NO. AR10400134 STATE OF INDIANA ARCHITECT

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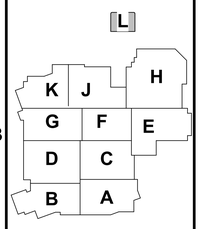

KEY PLAN

MSD OF LAWRENCE TOWNSHIP

ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL

FIRST FLOOR PLUMBING PLAN - UNIT L

PP1L1

SUMP PUMPS

IDENTITY DATA				PLUMBING		ELECTRICAL				
MARK	MANUFACTURER	MODEL	DESCRIPTION	FLOW RATE (GPM)	PUMP HEAD (TDH)	VOLTAGE	PHASE	RPM	HP	NOTES
WWP-1	ZOELLER	139 SERIES	DUPLEX EFFLUENT PUMP, 36" X 48" FIBERGLASS BASIN, APAK ALARM SYSTEM WITH TEXT ALERTS, CONTROL PANEL REMOTED LOCATED	45	18	115	1	1750	1/2	PROVIDE HORN STROBE WITH LIGHT WIRED TO CONTROL FOR HIGH WATER ALARM IN BOILER PLANT. MOUNT AT 8'-0" ABOVE FINISH FLOOR OF BOILER PLANT.

CIRCULATION PUMPS

IDENTITY DATA					PLUMBING		ELECTRICAL			
MARK	MANUFACTURER	MODEL	DESCRIPTION	VFD MODEL	FLOW RATE (GPM)	PUMP HEAD (TDH)	VOLTAGE	PHASE	RPM	HP
HWCP-1	TACO	#1915-2P-PD	120" DOMESTIC HOT WATER CIRCULATION PUMP	#ATV212HU40N4	27	135	460	3	VARIABLE	5
HWCP-2	TACO	#1915-2P-PD	120" DOMESTIC HOT WATER CIRCULATION PUMP	#ATV212HU40N4	27	135	460	3	VARIABLE	5
HWCP-3	BELL AND GOSSETT	ECOCIRC 19-16 #6000B2004LF	140" DOMESTIC HOT WATER CIRCULATION PUMP, STAINLESS STEEL	INTEGRAL	3	10	120	1	VARIABLE	1/2

BOOSTER PUMP SCHEDULE

IDENTITY DATA					ELECTRICAL DATA					
MARK	MANUFACTURER	MODEL	DESCRIPTION	CAPACITY	VOLTAGE (V)	PHASE	FLA	RPM	HP	NOTES
BP-1	TIGERFLOW	#EVMSU20-2	DELUXE BOOSTER SUMP	250 GPM @ 115.3 TDH	460 V	3	0.00 A	3500	(2) 5	FACTORY PIPED, WIRED, AND SKID MOUNTED PACKAGE

A2

FUEL-FIRED, DOMESTIC WATER HEATERS

IDENTITY DATA				WATER HEATER			NATURAL GAS	ELECTRICAL	
MARK	MANUFACTURER	MODEL	DESCRIPTION	GPH RISE (100°)	AIR INTAKE	EXHAUST	INPUT (BTUIH)	VOLTAGE	PHASE
WH-1	INTELLIHOT	#iQ150I	DOMESTIC WATER HEATER	28	6"	6"	1,500,000	120	1
WH-2	INTELLIHOT	#iQ150I	DOMESTIC WATER HEATER	28	6"	6"	1,500,000	120	1

A2

ELECTRIC, DOMESTIC WATER HEATERS

IDENTITY DATA				WATER HEATER		ELECTRICAL		
MARK	MANUFACTURER	MODEL	DESCRIPTION	TANK STORAGE	GPH RISE (100°)	VOLTAGE	PHASE	WATTS
WH-3	LOCHINVAR	#JRC020FS	ELECTRIC DOMESTIC WATER HEATER	20 GALLONS	10	120	1	2500

A2

DOMESTIC WATER SOFTENERS (223100)

SOFTENER				BRINE TANK	CONTINUOUS (EACH)		PEAK (EACH)		ELECTRICAL	
MARK	MANUFACTURER	MODEL	DESCRIPTION	DESCRIPTION	FLOW RATE	PRESSURE DROP	FLOW RATE	PRESSURE DROP	VOLTAGE	PHASE
WS-1	AQUASYSTEMS	#2000	TRIPLEX DOMESTIC WATER SOFTENER WITH BRINE TANKS	(2) 42" DIA. X 60" (H)	172 GPM	15.00 psi	222 GPM	25.00 psi	120	1
WS-2	AQUASYSTEMS	SERIES 2750 #100	SIMPLEX DOMESTIC WATER SOFTENER WITH BRINE TANK	30" DIA. X 48" (H)	15 GPM	15.00 psi	20 GPM	25.00 psi	120	1

PLUMBING TANKS AND INTERCEPTORS SCHEDULE

IDENTITY DATA				
MARK	MANUFACTURER	MODEL	DESCRIPTION	CAPACITY
ET-1	AMTROL	#ST-80V-C	DOMESTIC HOT WATER EXPANSION TANK	53 GALLON TANK VOLUME, .66 MAX. ACCEPTANCE VOLUME
GI-1	GREEN TURTLE	PROCEPTOR #GMC-1000	GREASE INTERCEPTOR WITH SINGLE MANWAY	1,000 GALLONS (WET VOLUME) 577 GALLONS (MAX. GREASE CAPACITY) 295 GALLONS (MAX. SOLIDS CAPACITY)
GI-2	GREEN TURTLE	PROCEPTOR #GMC-300	GREASE INTERCEPTOR WITH SINGLE MANWAY	300 GALLONS (WET VOLUME) 156 GALLONS (MAX. GREASE CAPACITY) 103 GALLONS (MAX. SOLIDS CAPACITY)
SI-1	STRIEM	#PS-275-S-SR24	SOLIDS INTERCEPTOR WITH DUAL MANWAYS	250 GALLONS (LIQUID CAPACITY), 210 GALLONS (SOLIDS CAPACITY)
SI-2	STRIEM	#PS-125-S-SR24	SOLIDS INTERCEPTOR WITH SINGLE MANWAY	110 GALLONS (LIQUID CAPACITY), 55 GALLONS (SOLIDS CAPACITY)

MIXING, METERING, AND PRESSURE REDUCING VALVES (221119)

IDENTITY DATA						
MARK	MANUFACTURER	MODEL	DESCRIPTION	FLOW RATE	PRESSURE DROP	NOTES
BFP-1	ZURN WILKINS	#975XLS2 - 2"	REDUCED PRESSURE BACKFLOW PREVENTER	160 GPM	15.20 psi	
BFP-2	ZURN WILKINS	#975XLS2 - 2"	REDUCED PRESSURE BACKFLOW PREVENTER	160 GPM	15.20 psi	
BFP-3	ZURN WILKINS	#975XLS2 - 1"	REDUCED PRESSURE BACKFLOW PREVENTER	50 GPM	13.70 psi	IRRIGATION ALTERNATE
BFP-4	ZURN WILKINS	#975XLS2 - 3/4"	REDUCED PRESSURE BACKFLOW PREVENTER	30 GPM	14.30 psi	
TMV-1	SYMMONS	#7-1000	TEMPERATURE-ACTUATED, WATER MIXING VALVE	38 GPM	5.00 psi	
TMV-2	LAWLER	#911	TEMPERATURE-ACTUATED, WATER MIXING VALVE	25 GPM	5.00 psi	
TMV-3	LAWLER	#911	TEMPERATURE-ACTUATED, WATER MIXING VALVE	25 GPM	5.00 psi	
TMV-4	LAWLER	#911	TEMPERATURE-ACTUATED, WATER MIXING VALVE	25 GPM	5.00 psi	
TMV-5	LAWLER	#911	TEMPERATURE-ACTUATED, WATER MIXING VALVE	25 GPM	5.00 psi	
TMV-10	SYMMONS	SERIES A #7-200	TEMPERATURE-ACTUATED, WATER MIXING VALVE	7 GPM	5.00 psi	
VB-1	ZURN	#460XL	SPILL-RESISTANT PRESSURE VACUUM BREAKER			
VB-2	ZURN	#460XL	SPILL-RESISTANT PRESSURE VACUUM BREAKER			
WM-1	BADGER METER	#M170 - 2"	DOMESTIC WATER METER	120 GPM	5.00 psi	

A2

DOMESTIC WATER PIPING SPECIALTIES SCHEDULE (221119)

IDENTITY DATA				FIXTURE CONNECTION					
MARK	MANUFACTURER	MODEL	DESCRIPTION	CW	HW	W	V	MOUNTING (FLOOR TO OUTLET)	NOTES
HB-1	ZURN	#Z1330-C	HOSE BIB WITH RECESSED BOX	3/4"				18" A.F.F.	
HB-2	ZURN	#Z1341	HOSE BIBB	3/4"				12" A.F.F.	
NFWH-1	ZURN	#Z1320-C/NB	NONFREEZE WALL HYDRANT WITH RECESSED BOX	3/4"				18" A.F.F.	
RH-1	J.R. SMITH	#5903	NON-FREEZE ROOF HYDRANT	3/4"					
SB-1	GUY GRAY	#MIBIHA	DOMESTIC WATER SUPPLY OUTLET BOX	1/2"				48" A.F.F.	
SB-2	GUY GRAY	#MIBIHA	DOMESTIC WATER SUPPLY OUTLET BOX	1/2"				44" A.F.F.	
SB-3	GUY GRAY	#MIBIHA	DOMESTIC WATER SUPPLY OUTLET BOX	1/2"				24" A.F.F.	
WMB-1	IPS CORPORATION	#SSWB2	CLOTHES WASHER OUTLET BOX	3/4"	3/4"	2"	1 1/2"	42" A.F.F.	

SANITARY WASTE PIPING SPECIALTIES SCHEDULE (221319)

IDENTITY DATA				W CONNECTION	NOTES
MARK	MANUFACTURER	MODEL	DESCRIPTION		
FD-1	ZURN	#ZB415B-NH	DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE ROUND STRAINER HEAD, POLISHED BRONZE STRAINER	2"	TRAPGUARD BY PROSET, NO SUBSTITUTIONS
FD-2	ZURN	#Z6902-NH-DQ	DUCO CAST IRON BODY WITH FLASHING COLLAR, SQUARE TOP AND SUSPENDED SEDIMENT BUCKET	4"	
FD-3	ZURN	#ZB415-NH WITH #Z1400I-SI STRAINER	DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE ROUND STRAINER HEAD, POLISHED BRONZE STRAINER. FLUSH WITH FLOOR FUNNEL WITH ANTI-SPLASH RIM AND GRATE	2"	
FD-4	ZURN	#ZB415B-NH	DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE ROUND STRAINER HEAD, POLISHED BRONZE STRAINER	3"	TRAPGUARD BY PROSET, NO SUBSTITUTIONS
FD-5	ZURN	#ZB415M-NH	DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE ROUND STRAINER HEAD, POLISHED BRONZE STRAINER AND SEDIMENT BUCKET	4"	TRAPGUARD BY PROSET, NO SUBSTITUTIONS
FS-1	ZURN	#Z1901-NH-2	CAST IRON BODY, PROCELAIN ENAMELED, 1/2 GRATE AND DOME STRAINER	3"	
SI-2	SCHIER	#HLT-1176-1	POINT-OF-USE POLYETHYLENE SOLIDS INTERCEPTOR	1 1/2"	

STORM DRAINAGE PIPING SPECIALTIES SCHEDULE (221423)

IDENTITY DATA				W CONNECTION	NOTES
MARK	MANUFACTURER	MODEL	DESCRIPTION		
OFD-1	ZURN	#ZC100-C-EA-R-89	DUCO CAST IRON BODY, FLASHING CLAMP WITH CAST IRON DOME, CAST IRON WATER DAM	6"	
OFD-2	ZURN	#ZC100-C-EA-R-89	DUCO CAST IRON BODY, FLASHING CLAMP WITH CAST IRON DOME, CAST IRON WATER DAM	4"	
OFD-3	ZURN	#ZC100-C-EA-R-89	DUCO CAST IRON BODY, FLASHING CLAMP WITH CAST IRON DOME, CAST IRON WATER DAM	3"	
RD-1	ZURN	#ZC100-C-EA-R	DUCO CAST IRON BODY WITH FLASHING CLAMP AND CAST IRON DOME	6"	
RD-2	ZURN	#ZC100-C-EA-R	DUCO CAST IRON BODY WITH FLASHING CLAMP AND CAST IRON DOME	4"	
RD-3	ZURN	#ZC100-C-EA-R	DUCO CAST IRON BODY WITH FLASHING CLAMP AND CAST IRON DOME	3"	
RD-4	ZURN	#Z187-G-208	DUCO CAST IRON BODY WITH BACK OUTLET AND GALVANIZED CAST IRON GRATE	3"	

COMMERCIAL WATER CLOSET SCHEDULE (224213.13)

IDENTITY DATA				FLUSHOMETER					FIXTURE CONNECTION				
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	GPF	TOILET SEAT	CW	W	V	MOUNTING (FLOOR TO RIM)	ADA COMPLIANT	NOTES
WC-1	ZURN	#Z5615-BWL	WALL-MOUNTED, TOP SPUD WATER CLOSET	SLOAN	ROYAL #111-1.6	MANUAL	1.6	CLOSED BACK, OPEN FRONT	1"	4"	2"	15"	No	
WC-2	ZURN	#Z5615-BWL	WALL-MOUNTED, TOP SPUD, ACCESSIBLE WATER CLOSET	SLOAN	ROYAL #111-1.6	MANUAL	1.6	CLOSED BACK, OPEN FRONT	1"	4"	2"	17"	Yes	
WC-3	ZURN	#Z5615-BWL	EXISTING FIXTURE TO REMAIN; REPLACE EXISTING FLUSHOMETER WITH NEW MANUAL FLUSHOMETER	SLOAN	ROYAL #111-1.6	MANUAL	1.6	CLOSED BACK, OPEN FRONT	1"	4"	2"	N/A	No	

COMMERCIAL URINAL SCHEDULE (224213.16)

IDENTITY DATA				FLUSHOMETER				FIXTURE CONNECTION					
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	GPF	CW	W	V	MOUNTING (FLOOR TO RIM)	ADA COMPLIANT	NOTES
UR-1	ZURN	#5755-U	WALL-HUNG, BACK OUTLET, WASHOUT	SLOAN	ROYAL #186-1.0	MANUAL	1.0	3/4"	2"	1 1/2"	24"	No	
UR-2	ZURN	#5755-U	WALL-HUNG, BACK OUTLET, WASHOUT, ACCESSIBLE	SLOAN	ROYAL #186-1.0	MANUAL	1.0	3/4"	2"	1 1/2"	17"	Yes	
UR-3	ZURN	#5755-U	EXISTING FIXTURE TO REMAIN; REPLACE EXISTING FLUSHOMETER WITH NEW MANUAL FLUSHOMETER	SLOAN	ROYAL #186-1.0	MANUAL	1.0	3/4"	2"	1 1/2"	N/A	No	

COMMERCIAL LAVATORY SCHEDULE (224216.13)

IDENTITY DATA				TRIM				FIXTURE CONNECTION						
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	GPM	CW	HW	W	V	MOUNTING (FLOOR TO RIM)	ADA COMPLIANT	NOTES
L-1	ZURN	#5368	VITREOUS CHINA, WALL MOUNTED, WITH BACK AND DECK MOUNT FAUCET (8" CENTERS)	CHICAGO FAUCET	#404-HZE70ABCP	MANUAL	0.5	1/2"	1/2"	1 1/2"	1 1/2"	34"	Yes	
L-2	N/A	N/A	INTEGRAL SINK BY INTERIORS	CHICAGO FAUCET	#404-HZE70ABCP	MANUAL	0.5	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED	Yes	
L-3	N/A	N/A	EXISTING FIXTURE TO REMAIN; REPLACE TRIM WITH NEW MANUAL FAUCET	CHICAGO FAUCET	#404-HZE70ABCP	MANUAL	0.5	1/2"	1/2"	1 1/2"	1 1/2"	N/A	Yes	
L-4	N/A	N/A	EXISTING FIXTURE TO REMAIN; REPLACE TRIM WITH NEW MANUAL FAUCET	CHICAGO FAUCET	#404-HZE70ABCP	MANUAL	0.5	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED	No	
L-5	N/A	N/A	EXISTING FIXTURE TO REMAIN; REPLACE TRIM WITH NEW MANUAL FAUCET	CHICAGO FAUCET	#404-HE2805-317AB	MANUAL	0.5	1/2"	1/2"	1 1/2"	1 1/2"	N/A	Yes	

COMMERCIAL SINK SCHEDULE (224216.16)

IDENTITY DATA				TRIM				FIXTURE CONNECTION						
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	GPM	CW	HW	W	V	MOUNTING	ADA COMPLIANT	NOTES
MB-1	ZURN	#Z19966-24	PLASTIC, FLOOR MOUNTED MOP BASIN WITH STAINLESS STEEL WALL GUARD	CHICAGO FAUCET	#540-LD897SWXFABCP	MANUAL	2.2	3/4"	3/4"	3"	1 1/2"	FLOOR MOUNTED		
SK-1	ELKAY	#LR2219	STAINLESS STEEL, ONE BOWL, COUNTER MOUNTED SINK	CHICAGO FAUCET	#786-HRBAE3V317XKAB	MANUAL	2.2	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED	No	
SK-2	ELKAY	#LRAD221955	STAINLESS STEEL, ONE BOWL, COUNTER MOUNTED SINK	CHICAGO FAUCET	#786-HRBAE3V317XKAB	MANUAL	2.2	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED	Yes	
SK-3	ELKAY	#LR3322	STAINLESS STEEL, TWO BOWLS, COUNTER MOUNTED SINK	CHICAGO FAUCET	#200-AHA8ABCP	MANUAL	2.2	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED	No	PROVIDE GARBAGE DISPOSER EQUAL TO INSINKERATOR #BADGER 1
SK-4	ELKAY	#LRAD332265	STAINLESS STEEL, TWO BOWLS, COUNTER MOUNTED SINK	CHICAGO FAUCET	#200-AHA8ABCP	MANUAL	2.2	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED	Yes	PROVIDE GARBAGE DISPOSER EQUAL TO INSINKERATOR #BADGER 1
SK-5	ADVANCE TABCO	#FS-3-1818-18R	THREE-COMPARTMENT SINK	CHICAGO FAUCET	#445-DJ13-317XKABCP	MANUAL	2.2	3/4"	3/4"	2"	2"	FLOOR MOUNTED	No	
SK-6	N/A	N/A	INTEGRAL EPOXY SINK BY INTERIORS	CHICAGO FAUCET	#LWM1-A11-F	MANUAL	2.2	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED	Yes	
SK-7	ELKAY	#DXUH2115	STAINLESS STEEL, ONE BOWL, UNDERMOUNT SINK	CHICAGO FAUCET	#201-AHA8XKABCP	MANUAL	2.2	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED	No	
SK-8	ELKAY	#DLR3122103	STAINLESS STEEL, ONE BOWL, COUNTER MOUNTED SINK	CHICAGO FAUCET	#786-HRBAE3V317XKAB	MANUAL	2.2	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED	No	
SK-9	ELKAY	#LRAD3122653	STAINLESS STEEL, ONE BOWL, COUNTER MOUNTED SINK	CHICAGO FAUCET	#786-HRBAE3V317XKAB	MANUAL	2.2	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED	Yes	

EMERGENCY PLUMBING FIXTURE SCHEDULE (224500)

IDENTITY DATA				FIXTURE CONNECTION				
MARK	MANUFACTURER	MODEL	DESCRIPTION	T	W	V	MOUNTING	NOTES
ESEW-1	GUARDIAN	#GBF1909PCC	ACCESSIBLE, PLUMBED EMERGENCY SHOWER WITH EYE/FACE WASH COMBINATION UNIT	1 1/4"	1 1/2"	1 1/2"	FLOOR MOUNTED	

PRESSURE WATER COOLER SCHEDULE (224716)

IDENTITY DATA				FIXTURE CONNECTION					
MARK	MANUFACTURER	MODEL	DESCRIPTION	CW	W	V	MOUNTING (FLOOR TO BUBBLER)	ADA COMPLIANT	NOTES
EWC-1	ELKAY	#LVRC8S	ELECTRIC WATER COOLER, WALL-MOUNTED	1/2"	1 1/2"	1 1/2"	41"	No	
EWC-2	ELKAY	#LVRCGRN8WSK	ELECTRIC WATER COOLER WITH BOTTLE FILLER, WALL-MOUNTED	3/4"	1 1/2"	1 1/2"	34"	Yes	
EWC-2	ELKAY	#LVRCGRN8WSK	ELECTRIC WATER COOLER WITH BOTTLE FILLER, WALL-MOUNTED	3/4"	1 1/2"	1 1/2"	41"	No	

SHOWER SCHEDULE (224223)

IDENTITY DATA				TRIM		FIXTURE CONNECTION				ADA COMPLIANT	NOTES
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	CW	HW	W	V		
SH-1	AQUARIUS	#QS5368Z-BF- 625	ACRYLIC ONE-PIECE TRANSFER SHOWER	BRADLEY	#HN300-HD-S15-LHV-ST-830	1/2"	1/2"	2"	1 1/2"	Yes	WHITE WEIGHTED SHOWER CURTAIN WITH HOOKS
SH-2	AQUARIUS	#MP6036-BF-5P.875	ACRYLIC FIVE-PIECE ROLL-IN SHOWER	BRADLEY	#HN300-HD-S15-LHV-ST-830	1/2"	1/2"	2"	1 1/2"	Yes	WHITE WEIGHTED SHOWER CURTAIN WITH HOOKS

WATER HAMMER ARRESTER

MARK	IPS	F.U. RATING	J.R. SMITH NO.	WADE NO.	ZURN NO.	REMARKS
WHA-A	3/4"	1-11	5005	W-5	100	P.D.I. CERTIFIED
WHA-B	1"	12-32	5010	W-10	200	P.D.I. CERTIFIED
WHA-C	1"	33-60	5020	W-20	300	P.D.I. CERTIFIED
WHA-D	1"	61-113	5030	W-50	400	P.D.I. CERTIFIED
WHA-E	1"	114-154	5040	W-75	500	P.D.I. CERTIFIED

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Project No. 2018-050.LCH
Project Date 05.05.2020
Produced JH / KAV

SARAH KATHLEEN HEMPSTEAD REGISTERED No. AR10400134 STATE OF INDIANA ARCHITECT

Sarah K Hempstead

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#	Revision	Date
1	Addendum #2	05.28.2020

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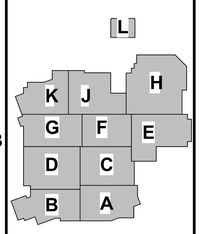
Lawrence, IN 46226



KEY PLAN

MSD OF LAWRENCE TOWNSHIP

ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL

PLUMBING SCHEDULES

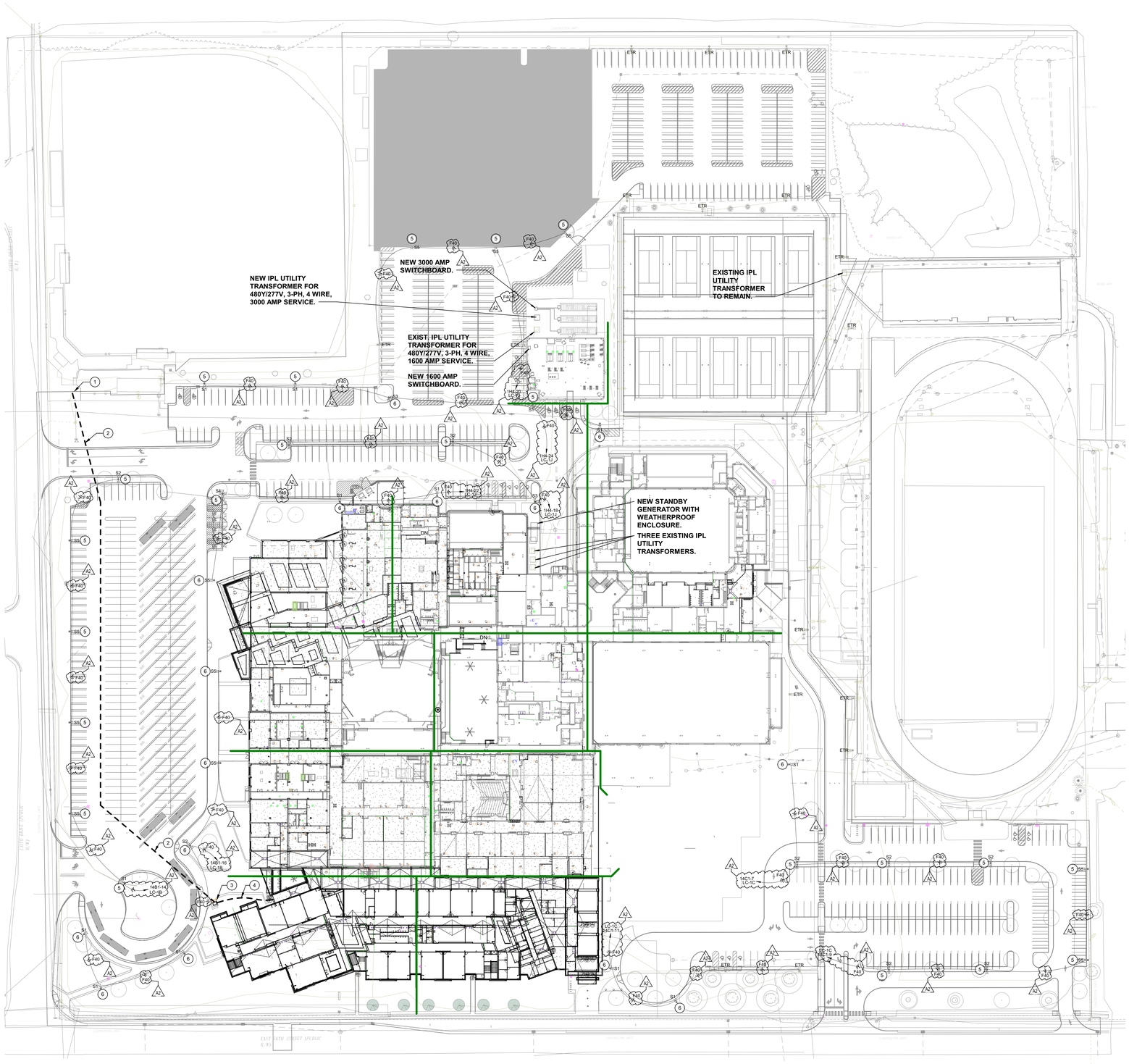
P-601

GENERAL SITE NOTES

#	NOTES
A	REFER TO SHEET E-001 FOR ADDITIONAL INFORMATION.

SITE PLAN NOTES

#	NOTES
1	EXISTING MAIN SERVICE POINT AND METERING. ANY ADDITIONS TO EXISTING SERVICE SHALL BE METERED AT THIS POINT.
2	NEW MEDIUM VOLTAGE RADIAL FEEDER FROM EXISTING MAIN SERVICE POINT TO NEW TRANSFORMER SERVING THREE-STORY ADDITION. DIVISION 26 CONTRACTOR PROVIDE TWO (2) 4" PVC CONDUIT ENCASED IN CONCRETE. UTILITY PROVIDE PRIMARY FEEDER TO NEW TRANSFORMER.
3	NEW UTILITY TRANSFORMER. DIVISION 26 CONTRACTOR PROVIDE CONCRETE PAD PER UTILITY REQUIREMENTS.
4	NEW UNDERGROUND FEEDER FROM NEW UTILITY TRANSFORMER SECONDARY TO NEW MAIN SWITCHBOARD IN NEW THREE-STORY ADDITION.
5	PROVIDE NEW POLE LIGHT FIXTURE ON NEW +42" A.F.G. FOUNDATION. REFER TO DETAIL SHEET E-501.
6	PROVIDE NEW POLE LIGHT FIXTURE ON NEW +6" A.F.G. FOUNDATION. REFER TO DETAIL SHEET E-501.



2A SITE PLAN
1" = 50'-0"

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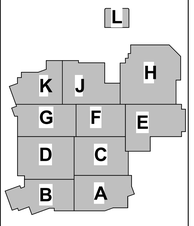

KEY PLAN

MSD OF LAWRENCE TOWNSHIP

ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL

SITE PLAN

ES102

GENERAL LIGHTING NOTES

#	NOTES
A	REFER TO SHEET E-001 FOR ADDITIONAL INFORMATION.
B	LIGHT FIXTURES WITH EMERGENCY SHUNT RELAY (UL924 DEVICE) TO MONITOR THE NORMAL POWER CIRCUIT SERVING OTHER LIGHT FIXTURES IN THE SAME SPACE TO MATCH CONTROL OF EMERGENCY POWER FIXTURES WITH NORMAL POWER FIXTURES, UON.

LIGHTING PLAN NOTES

#	NOTES
10	PROVIDE LIGHT FIXTURES IN ELEVATOR PIT. COORDINATE LOCATIONS WITH ELEVATOR MANUFACTURER. LOCATE LIGHT SWITCH IN ELEVATOR HOISTWAY ADJACENT TO LADDER ON FIRST FLOOR.
12	INSTALL FIXTURE ON FACE OF HORIZONTAL MULLION CENTERED ON AND DIRECTLY ABOVE DOOR. CONCEAL MC CABLE TO FIXTURE WITHIN DOOR FRAMING, WITH NO CABLING OR JUNCTION BOXES EXPOSED.
13	INSTALL FIXTURE ON WALL +8'-0" A.F.F. TO CENTERLINE OF FIXTURE, CENTERED ON AND DIRECTLY ABOVE DOOR.
30	RECONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT(S) SERVING THIS AREA. EXTEND WIRING AS NECESSARY TO CONTROL SWITCH LEGS AS INDICATED.
31	INSTALL FIXTURES AT +10'-0" AFF IN THIS SPACE.
32	REINSTALL EXISTING BLACK BOX THEATRE DIMMING EQUIPMENT PREVIOUSLY REMOVED FROM OLD BLACK BOX THEATRE SPACE.
33	INSTALL FIXTURES AT +30'-0" AFF IN THIS SPACE.
34	INSTALL NEW LIGHT FIXTURES AT SAME MOUNTING HEIGHT AS PREVIOUSLY REMOVED FIXTURES AND RECONNECT TO EXISTING LIGHTING CIRCUIT(S) AND CONTROLS SERVING THIS AREA. EXISTING CONTROLS SCHEME TO BE MAINTAINED FOR NEW FIXTURES.
35	INSTALL LIGHTING CONTROL DEVICE(S) AND WIRING IN EXISTING OUTLET BOX AND RACEWAY.
36	INSTALL NEW LIGHTING CONTROL DEVICE(S) AND WIRING IN NEW OUTLET BOX AND RACEWAY RECESSED IN EXISTING WALL.
37	RELAMP AND CLEAN EXISTING 6" RECESSED DOWNLIGHT "HOUSE" LIGHTING FIXTURES. REPLACE EXISTING SOCKET IF REQUIRED. FOR ADDITIONAL LAMPING INFORMATION, SEE LIGHT FIXTURE TYPE "L46" ON LIGHTING FIXTURES SCHEDULE SHEET E-605.
38	SUSPEND FIXTURES FROM STRUCTURE ABOVE. LENS OF LIGHT FIXTURE TO MOUNT FLUSH WITH METAL CEILING. COORDINATE OPENINGS IN METAL CEILING WITH MANUFACTURER PRIOR TO INSTALLATION.
39	INSTALL +102" AFF TO BOTTOM OF EXIT SIGN ON FACE OF MULLION. CONCEAL MC CABLE TO EXIT SIGN WITHIN DOOR FRAMING, WITH NO CABLING OR JUNCTION BOXES EXPOSED.
40	INSTALL +120" AFF TO BOTTOM OF EXIT SIGN.
41	INSTALL LIGHT FIXTURES AT +16'-0" A.F.F. TO BOTTOM OF FIXTURE. COORDINATE FINAL LOCATIONS WITH BOILER ROOM EQUIPMENT TO ENSURE EVEN LIGHTING AND ACCESSIBILITY FOR LIGHT FIXTURE MAINTENANCE.
42	LOCATE BOTTOM OF LIGHT FIXTURE AT TOP OF EXISTING DOOR HEAD BEAM (APPROX. 8'-0"). CENTER LIGHT FIXTURE ABOVE EXISTING DOOR MASONRY OPENING. PROVIDE PHOTOCELL CONTROL.
43	INSTALL LIGHT FIXTURES AT +10'-0" AFF TO BOTTOM OF LIGHT FIXTURE IN THIS SPACE. COORDINATE ELEVATION WITH SUSPENDED PIPE GRID.
44	LIGHTING CONTROL DEVICE(S) FOR LIGHTING ON SECOND FLOOR. REFER TO SECOND FLOOR LIGHTING PLAN, THIS UNIT.
45	LIGHTING CONTROL DEVICE FOR LIGHTING IN TUNNEL. REFER TO TUNNEL LIGHTING PLAN SHEET EL1J1.
46	LIGHTING CONTROL DEVICES FOR TUNNEL LIGHTING LOCATED IN TUNNEL ENTRY J112D IN UNIT J AND BOILER ROOM 520 IN UNIT L. REFER TO EACH UNIT'S LIGHTING PLAN.
47	INSTALL NEW BUILDING EXTERIOR MOUNTED FIXTURE IN PLACE OF PREVIOUSLY REMOVED FIXTURE AND RECONNECT TO EXISTING CIRCUIT AND CONTROLS TO REMAIN.
48	EXISTING LIGHTING RELAY CABINET TO REMAIN. MODIFY AS NECESSARY FOR CONNECTION OF OCCUPANCY SENSOR CONTROLS.
49	EXTEND EMERGENCY CIRCUIT WIRING DIRECT TO EMERGENCY FIXTURE. MONITOR ASSIGNED SWITCH LEG WITH UL924 DEVICE FOR CONTROLS.
50	CONNECT NEW OCCUPANCY SENSOR CONTROLS TO EXISTING CONTROLS IN LOCAL LIGHTING RELAY CABINET.

2A FIRST FLOOR LIGHTING PLAN - UNIT D
1/8" = 1'-0"

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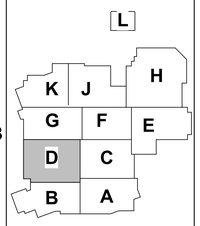


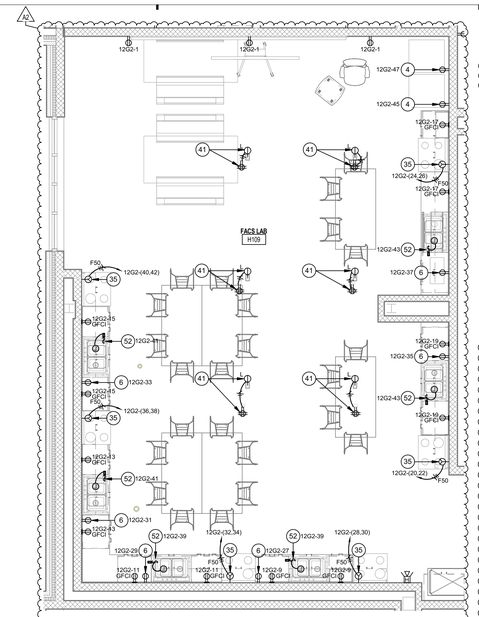
KEY PLAN

MSD OF LAWRENCE TOWNSHIP

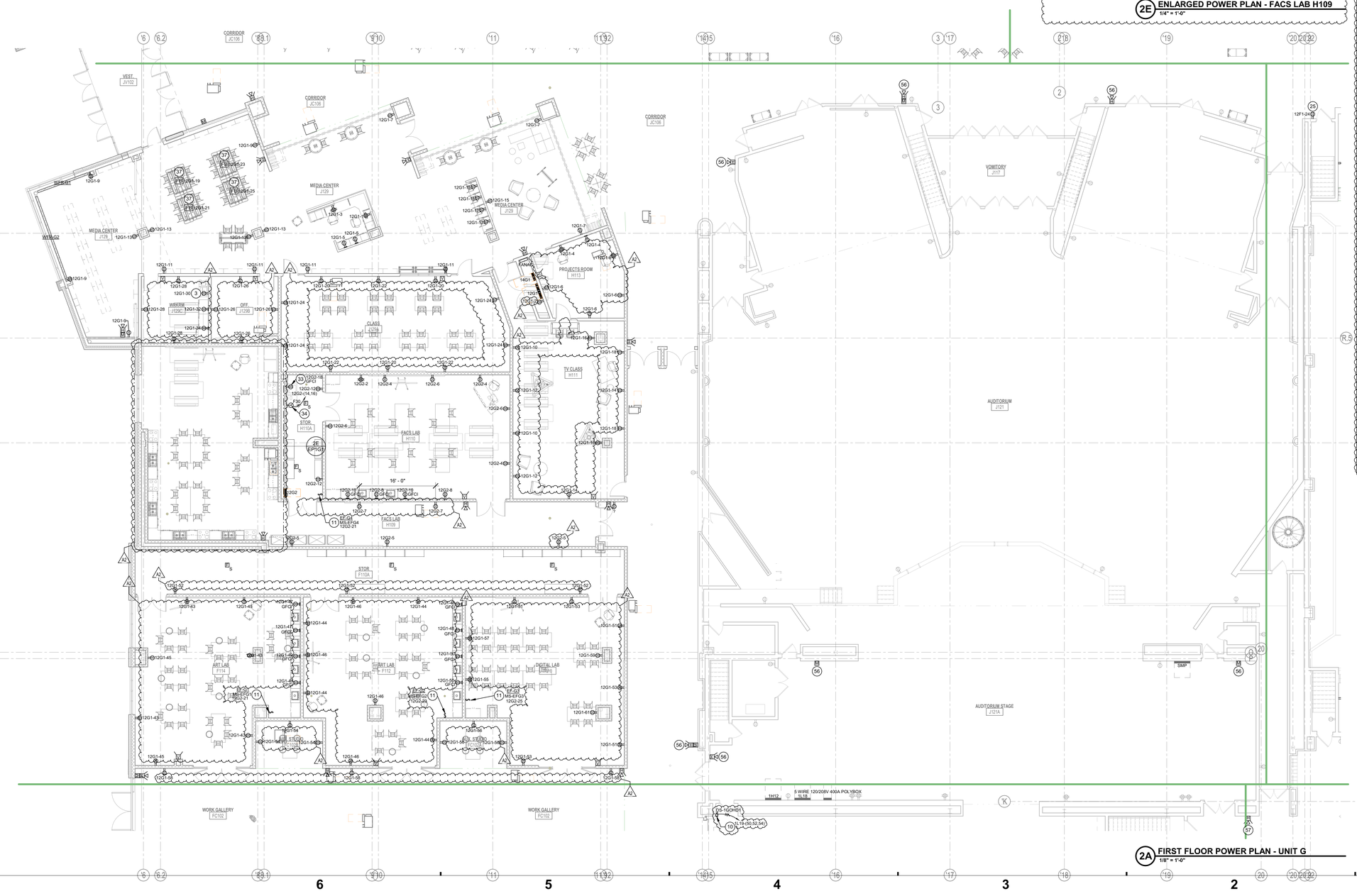
ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL

FIRST FLOOR LIGHTING PLAN - UNIT D

EL1D1



2E ENLARGED POWER PLAN - FACS LAB H109
1/4" = 1'-0"



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

GENERAL POWER NOTES

#	NOTES
A	REFER TO SHEET E-001 FOR ADDITIONAL INFORMATION.
B	FOR CIRCUITS TO REMAIN PREVIOUSLY FED FROM PANELBOARDS REMOVED DURING DEMOLITION, EXTEND CIRCUIT TO CLOSEST AVAILABLE PANELBOARD AND PROVIDE NEW CIRCUIT BREAKERS AS NECESSARY. COORDINATE VOLTAGE, WIRE SIZE, AND CIRCUIT BREAKER RATING WITH EXISTING CONDITIONS.

POWER PLAN NOTES

#	NOTES
1	RECEPTACLE FOR ELECTRIC WATER COOLER. COORDINATE LOCATION WITH MANUFACTURER PRIOR TO INSTALLATION. CIRCUIT PROTECTED BY GFCI BREAKER.
2	PROVIDE CIRCUIT CONNECTION FOR HAND DRYER. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS.
3	RECEPTACLE FOR COPIER AT +36" A.F.F. TO C.L.
4	RECEPTACLE FOR REFRIGERATOR AT +48" A.F.F. TO C.L. CIRCUIT PROTECTED BY GFCI BREAKER.
5	RECEPTACLE FOR ICE MAKER AT +36" A.F.F. TO C.L. CIRCUIT PROTECTED BY GFCI BREAKER.
6	RECEPTACLE FOR MICROWAVE OVEN. COORDINATE MOUNTING HEIGHT WITH A AND I SERIES DRAWINGS.
7	RECEPTACLE FOR DISPLAY MONITOR. COORDINATE MOUNTING HEIGHT WITH T-SERIES DRAWINGS.
8	PROVIDE CIRCUIT AND CONNECT TO MANUFACTURER PROVIDED DISCONNECT SWITCH.
9	CIRCUIT CONNECTION FOR ADA DOOR OPERATOR. CONCEAL MC CABLE TO OPERATOR WITHIN DOOR FRAMING, WITH NO CABLING OR JUNCTION BOXES EXPOSED.
10	DISCONNECT SWITCH FOR ELECTRICALLY OPERATED OVERHEAD DOOR. INSTALL AND CONNECT ALL DOOR CONTROLLERS FOR A COMPLETE OPERATIONAL SYSTEM.
11	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.
12	SMOKE DETECTOR FOR ELEVATOR RECALL.
13	QUADRUPLEX RECEPTACLE FOR TELECOMMUNICATIONS RACK INSTALLED ON TOP RAIL OF RACK. COORDINATE WITH T-SERIES DRAWINGS.
14	CIRCUIT CONNECTION FOR TEMPERATURE CONTROL PANEL. VERIFY FINAL LOCATION IN FIELD WITH TEMPERATURE CONTROL CONTRACTOR.
16	DISCONNECT SWITCH FOR FAN COIL UNIT SPLIT SYSTEM. REFER TO ROOF PLANS FOR LOCATION OF CORRESPONDING CONDENSING UNIT.
17	CIRCUIT CONNECT FOR FUME HOOD. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER.
18	INSTALL MOTOR CONTROLLER ABOVE FUME HOOD ON WALL. ROUTE CIRCUIT INDICATED FROM FUME HOOD SWITCH THROUGH MOTOR CONTROLLER TO ROOF-MOUNTED EXHAUST FAN INDICATED.
19	PROVIDE CIRCUIT CONNECTION TO MASTER GAS CONTROL PANEL. COORDINATE WITH P-SERIES DRAWINGS.
20	POWER CONNECTION FOR ELEVATOR MOTOR. CONFIRM FINAL LOCATION WITH ELEVATOR EQUIPMENT MANUFACTURER.
21	FIRE ALARM RELAYS TO SERVE ELEVATOR PRIMARY, SECONDARY, AND HAT.
22	DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTS. CONFIRM FINAL LOCATION WITH ELEVATOR EQUIPMENT MANUFACTURER. CONNECT TO LIFE SAFETY POWER.
23	DEDICATED CIRCUIT SIMPLEX RECEPTACLE TO SERVE SUMP PUMP.
24	FOR ALL EXISTING RECEPTACLES TO REMAIN IN THIS SPACE, CONNECT EXISTING RECEPTACLE CIRCUIT WIRING ABOVE FINISHED CEILING TO NEW CIRCUIT(S) INDICATED. CONTRACTOR VERIFY EXISTING CIRCUITS AND CONDITION OF WIRING. REUSE EXISTING WIRING WHERE POSSIBLE, REPLACE EXISTING WIRING AS NECESSARY.
25	INSTALL NEW RECEPTACLE IN EXISTING BACK BOX. RECONNECT TO EXISTING CIRCUIT WIRING.
26	INSTALL NEW RECEPTACLE AND WIRING IN EXISTING BACK BOX AND RACEWAY.
27	INSTALL NEW RECEPTACLE AND WIRING IN NEW BACK BOX AND RACEWAY RECESSED IN EXISTING WALL.
28	INSTALL NEW RECEPTACLE IN NEW BACK BOX RECESSED IN EXISTING WALL. INTERCEPT EXISTING RACEWAY, EXTEND AND RECONNECT EXISTING CIRCUIT WIRING TO NEW RECEPTACLE. COORDINATE BACK BOX MOUNTING HEIGHT WITH NEW FLOOR HEIGHT.
29	PROVIDE DUAL-CHANNEL, HORIZONTAL, SURFACE MOUNTED, STEEL RACEWAY (WIREMOLD G4000 SERIES OR APPROVED EQUIVALENT) AT RECEPTACLE MOUNTING HEIGHT. FEED RACEWAY VERTICALLY FROM ACCESSIBLE CEILING ABOVE AT CLOSEST CORNER OF ROOM.
30	RECEPTACLE FOR VENDING MACHINE AT +48" A.F.F. TO C.L. CIRCUIT PROTECTED BY GFCI BREAKER.
31	RECEPTACLE FOR DISHWASHER AT +18" A.F.F. TO C.L. CIRCUIT PROTECTED BY GFCI BREAKER.
32	REINSTALL EXISTING BLACK BOX THEATRE DIMMING EQUIPMENT PREVIOUSLY REMOVED FROM OLD BLACK BOX THEATRE SPACE.
33	RECEPTACLE FOR WASHER AT +36" A.F.F. TO C.L.
34	NEMA 10-30R RECEPTACLE FOR DRYER AT +36" A.F.F. TO C.L.
35	NEMA 14-50R RECEPTACLE FOR RANGE AT +30" A.F.F. TO C.L.
36	RECEPTACLE FOR DRYER DUCT BLOWER (DB-1) +108" A.F.F. TO C.L.
37	PROVIDE FOUR-GANG RECESSED FLOOR BOX WITH CUT-OUT STYLE COVER (WIREMOLD RFB4 OR APPROVED EQUIVALENT). TWO (2) DUPLEX RECEPTACLES, TWO (2) GANGS RESERVED FOR DATA, AND DIVIDERS BETWEEN POWER AND DATA COMPARTMENTS.
38	RECEPTACLE FOR WHIRLPOOL TUB AT +48" A.F.F. TO C.L.
39	RECEPTACLE FOR PROJECTOR LOCATED ON CEILING. COORDINATE LOCATION WITH T-SERIES DRAWINGS.
40	PROVIDE CIRCUIT AND CONNECT TO MOTOR OPERATRED PROJECTOR SCREEN. PROVIDE ALL CONTROLS AND CONNECTIONS NECESSARY FOR A COMPLETE, OPERABLE SYSTEM. COORDINATE LOCATION AND MOUNTING HEIGHT WITH T-SERIES DRAWINGS.
41	PROVIDE CEILING MOUNTED TWIST LOCK RECEPTACLE (NEMA 5-20R) WITH COMPATIBLE CORD AND PLUG SUSPENDED FROM LOCKING RECEPTACLE DOWN TO QUAD RECEPTACLE. REFER TO DETAIL.
42	MOUNT DISCONNECT SWITCH TO UNISTRUT. REFER TO E-500 SERIES SHEETS FOR TYPICAL EXTERIOR EQUIPMENT MOUNTING FRAME DETAIL. VERIFY EXACT LOCATION OF DISCONNECT SWITCH WITH DIVISION 23 CONTRACTOR PRIOR TO INSTALLATION.
43	REMOTE FACP SERVED BY MAIN FACP IN SCHOOL BUILDING. PROVIDE FIBER LINK TO MAIN FACP AND ROUTE FIBER THROUGH TUNNEL.
44	EXTEND NEW CIRCUIT WIRING FROM EXISTING RECEPTACLE LOCATION TO REMAIN. CONNECTION SHOWN IS DIAGRAMMATIC ONLY. COORDINATE ACTUAL CONNECTION POINT WITH BUILDING CONDITIONS.
45	CIRCUIT CONNECTION FOR CHILLER ISOLATION VALVE. VERIFY FINAL LOCATION IN FIELD WITH MECHANICAL CONTRACTOR.
46	CIRCUIT CONNECTION FOR BOILER ISOLATION VALVE. VERIFY FINAL LOCATION IN FIELD WITH MECHANICAL CONTRACTOR.
47	SUSPEND TRANSFORMER FROM OVERHEAD STRUCTURE.
48	QUADRUPLEX RECEPTACLE FOR SOUND RACK. COORDINATE LOCATION AND MOUNTING HEIGHT WITH T-SERIES DRAWINGS.
49	INSTALL DISCONNECT SWITCH FOR SUSPENDED TRANSFORMER ABOVE ACCESSIBLE CEILING.
50	SUSPEND TRANSFORMER FROM OVERHEAD STRUCTURE ABOVE ACCESSIBLE CEILING.
51	INSTALL WASTEWATER PUMP ALARM/STROBE FURNISHED BY PLUMBING CONTRACTOR +80" AFF. EXTEND WIRING AND RACEWAY FROM CONTROL PANEL IN CUSTODIAL/MAINTENANCE J112.
52	SWITCH FOR GARBAGE DISPOSAL LOCATED IN SINK BASE CABINET. INSTALL IN ACCESSIBLE LOCATION. CONNECT COMPLETE TO CIRCUIT INDICATED.
53	RECEPTACLE FOR WATER SOFTENER. COORDINATE WITH P-SERIES DRAWINGS.
54	PROVIDE CIRCUIT FOR BOOSTER PUMP BP-1 AND CONNECT THROUGH MANUFACTURER FURNISHED CONTROL PANEL. COORDINATE WITH P-SERIES DRAWINGS.
55	PROVIDE CIRCUIT FOR WASTEWATER PUMP WWP-1 AND CONNECT THROUGH MANUFACTURER FURNISHED CONTROL PANEL WITH ALARM AND STROBE. EXTEND ELECTRICAL CONNECTION TO PUMP(S) IN THE MIDDLE OF TUNNEL. EXTEND CONDUIT AND WIRE THROUGH TUNNEL TO BOILER PLANT FOR ALARM AND STROBE. COORDINATE WITH P-SERIES DRAWINGS.
56	INSTALL NEW FIRE ALARM DEVICE AND CABLING IN EXISTING BACK BOX AND RACEWAY AND CONNECT TO NEW FIRE ALARM PANEL.
57	INSTALL NEW FIRE ALARM DEVICE AND CABLING IN NEW BACK BOX AND RACEWAY RECESSED IN EXISTING WALL AND CONNECT TO NEW FIRE ALARM PANEL.
58	INSTALL NEW FIRE ALARM DEVICE AND CABLING IN NEW BACK BOX AND RACEWAY SURFACE MOUNTED TO EXISTING WALL AND CONNECT TO NEW FIRE ALARM PANEL.

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#	Revision	Date
1	Addendum #1	05.14.2020
2	Addendum #2	05.27.2020

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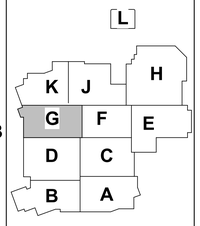

KEY PLAN

MSD OF LAWRENCE TOWNSHIP

ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL

FIRST FLOOR POWER PLAN - UNIT G

EP1G1

DISCONNECT SWITCH SCHEDULE

LABEL	LOCATION NUMBER	LOCATION NAME	EQUIPMENT SERVED	VOLTAGE	AMPERAGE	POLES	FUSED	FUSE SIZE	NEMA ENCL	SOLID NEUTRAL
DS-1AFCU1	AM101	IDF	FCU-1	208 V	30 A	2	Yes	15 A	1	No
DS-1AFCU2	BM100	ELEC	FCU-2	208 V	30 A	2	Yes	15 A	1	No
DS-1B1	BS101-2	ELEV B-2	ELEVATOR	120 V	30 A	1	No		1	Yes
DS-1BFCU3	BM120A	ELEC	FCU-3	208 V	30 A	2	Yes	15 A	1	No
DS-1BFCU4	BM114	IDF	FCU-4	208 V	30 A	2	Yes	15 A	1	No
DS-1BOHD1			OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1BOHD2			OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1DKILN	F113A	STOR.	KILN	208 V	60 A	3	Yes	60 A	1	No
DS-1GOHD1	J123	BACK STAGE/SET ROOM	OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1JOHD2			OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1KOHD1	J122F	RECV'G	OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1KOHD2	J120	LT CAFE	OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1KOHD3	J124	SERVING	OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1KOHD4	J124	SERVING	OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1KOHD5	J124	SERVING	OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1KOHD6	J124	SERVING	OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1KOHD7	J124	SERVING	OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1KOHD8	J124	SERVING	OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1KWH1	J126	FIRE RISER	WH-1	120 V	30 A	1	No		1	Yes
DS-1KWH2	J126	FIRE RISER	WH-2	120 V	30 A	1	No		1	Yes
DS-1LB1	L100	BOILER ROOM	BOILER B-1	480 V	30 A	3	Yes		1	No
DS-1LB2	L100	BOILER ROOM	BOILER B-2	480 V	30 A	3	Yes		1	No
DS-1LB3	L100	BOILER ROOM	BOILER B-3	480 V	30 A	3	Yes		1	No
DS-1LB4	L100	BOILER ROOM	BOILER B-4	480 V	30 A	3	Yes		1	No
DS-1LB5	L100	BOILER ROOM	BOILER B-5	480 V	30 A	3	Yes		1	No
DS-1LB6	L100	BOILER ROOM	BOILER B-6	480 V	30 A	3	Yes		1	No
DS-1LOHD1	L100	BOILER ROOM	OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-1LWH3	L100	BOILER ROOM	WH-3	120 V	30 A	1	No		1	Yes
DS-2BFCU6	BM214	IDF	FCU-5	208 V	30 A	2	Yes	15 A	1	No
DS-2BOHD1			OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-2BOHD2			OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-2DAHU5RF	FM200	MECH.	AHU-5	480 V	30 A	3	Yes	25 A	1	No
DS-2DAHU5SF	FM200	MECH.	AHU-5	480 V	30 A	3	Yes	45 A	1	No
DS-2DAHU6RF	FM200	MECH.	AHU-6	480 V	30 A	3	Yes	15 A	1	No
DS-2DAHU6SF	FM200	MECH.	AHU-6	480 V	30 A	3	Yes	35 A	1	No
DS-2FAHU7	JM211	MECH	AHU-7	480 V	60 A	3	Yes	50 A	1	No
DS-2FAHU8	JM211	MECH	AHU-8	480 V	30 A	3	Yes	25 A	1	No
DS-2EAHU15	JM211	MECH	EX. AHU-15	480 V	100 A	3	Yes	70 A	1	No
DS-2GAHU13	HM121	MECH	AHU-13	480 V	60 A	3	Yes	45 A	1	No
DS-2KAHU3RF	J202	MECH	AHU-2-RF	480 V	30 A	3	Yes	25 A	1	No
DS-2KAHU3SF	J202	MECH	AHU-9-SF	480 V	60 A	3	Yes	60 A	1	No
DS-3AFCU6	BM300	IDF	FCU-6	208 V	30 A	2	Yes	15 A	1	No
DS-3BFCU7	BM314	IDF	FCU-7	208 V	30 A	2	Yes	15 A	1	No
DS-3BOHD1			OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-3BOHD2			OVERHEAD DOOR	208 V	30 A	3	No		1	Yes
DS-ACK1	J122G	LOCKERS	AC-K1	120 V	30 A	1	No		1	Yes
DS-CUC1			CU-C1	208 V	30 A	2	Yes	25 A	3R	No
DS-CUD1			CU-D1	208 V	30 A	2	Yes	25 A	3R	No
DS-CUD2			CU-D2	208 V	30 A	2	Yes	25 A	3R	No
DS-CUD3			CU-D3	208 V	30 A	2	Yes	25 A	3R	No
DS-CUF1			CU-F1	208 V	30 A	2	Yes	15 A	3R	No
DS-CUH1			CU-H1	208 V	30 A	2	Yes	25 A	3R	No
DS-CUJ1			CU-J1	208 V	30 A	2	Yes	25 A	3R	No
DS-CUJ2			CU-J2	208 V	30 A	2	Yes	25 A	3R	No
DS-CUJ3			CU-J3	208 V	30 A	2	Yes	30 A	3R	No
DS-CUJ4			CU-J4	208 V	30 A	2	Yes	25 A	3R	No
DS-E62	J122J	DISH WASHING	FLIGHT TYPE DISHMACHINE	480 V	200 A	3	Yes	125 A	4X	No
DS-FCUF1			FCU-F1	208 V	30 A	2	No		1	No
DS-FCUK1			FCU-K1	208 V	30 A	2	No		1	No
DS-FCUK2			FCU-K2	208 V	30 A	2	No		1	No
DS-FCUK3	J130	SENIOR DINING	FCU-K3	208 V	30 A	2	No		1	No
DS-FCUK4	J130	SENIOR DINING	FCU-K4	208 V	30 A	2	No		1	No
DS-FCUL1	L100	BOILER ROOM	FCU-L1	480 V	30 A	3	No		1	No
DS-FCUL2	L100	BOILER ROOM	FCU-L2	480 V	30 A	3	No		1	No
DS-FCUL3	L100	BOILER ROOM	FCU-L3	480 V	30 A	3	No		1	No
DS-FCUL4	L100	BOILER ROOM	FCU-L4	480 V	30 A	3	No		1	No
DS-FCUL5	L100	BOILER ROOM	FCU-L5	480 V	30 A	3	No		1	No
DS-FCUL6	L100	BOILER ROOM	FCU-L6	480 V	30 A	3	No		1	No
DS-PUHK1	J126	FIRE RISER	PUH-K1	120 V	30 A	1	No		1	Yes
DS-PUHK2	J122F	RECV'G	PUH-K2	120 V	30 A	1	No		1	Yes
DS-RACU1			CU-1	208 V	30 A	3	Yes	30 A	3R	No
DS-RACU2			CU-2	208 V	30 A	3	Yes	30 A	3R	No
DS-RACU6			CU-6	208 V	30 A	3	Yes	30 A	3R	No
DS-RARTAHU2RF			RTAHU-2 RF	480 V	30 A	3	Yes	15 A	3R	No
DS-RARTAHU2SF			RTAHU-2 SF	480 V	30 A	3	Yes	25 A	3R	No
DS-RBCU3			CU-3	208 V	30 A	3	Yes	30 A	3R	No
DS-RBCU4			CU-4	208 V	30 A	3	Yes	30 A	3R	No
DS-RBCU5			CU-5	208 V	30 A	3	Yes	30 A	3R	No
DS-RBCU7			CU-7	208 V	30 A	3	Yes	30 A	3R	No
DS-RBRTAHU1RF			RTAHU-1 RF	480 V	200 A	3	Yes	110 A	3R	No
DS-RBRTAHU1SF			RTAHU-1 SF	480 V	200 A	3	Yes	110 A	3R	No
DS-SSC1	E101C	STOR.		208 V	30 A	2	No		1	No
DS-SSD1	C124	TELECOM	SS-D1	208 V	30 A	2	No		1	No
DS-SSD2	C124	TELECOM	SS-D1	208 V	30 A	2	No		1	No
DS-SSD3	HM103	IDF	SS-D3	208 V	30 A	2	No		1	No
DS-SSF1	J109A	IDF	SS-F1	208 V	30 A	2	No		1	No
DS-SSH1	KM131A	IDF		208 V	30 A	2	No		1	No
DS-SSJ1	JM116	IDF	SS-J1	208 V	30 A	2	No		1	No
DS-SSJ2	JM114	ELEC	SS-J2	208 V	30 A	2	No		1	No
DS-SSJ3	JM112	ELECTRICAL	SS-J3	208 V	30 A	2	No		1	No
DS-SSJ4	MS103	ELEV. MACH	SS-J4	208 V	30 A	2	No		1	No
DS-T1AEQ1	BM100	ELEC	TRANSFORMER T-1AEQ1	480 V	30 A	3	Yes	30 A	1	No
DS-T1C1	CC100	CORRIDOR		480 V	200 A	3	Yes	150 A	1	No
DS-T1J2	JM114	ELEC	TRANSFORMER T-1J2	480 V	800 A	3	Yes	800 A	1	No
DS-T1JEQ2	JM114	ELEC	TRANSFORMER T-1JEQ2	480 V	60 A	3	Yes	50 A	1	No
DS-T1KEQ1	J118A	MUSIC FOOD STOR.	TRANSFORMER T-1KEQ1	480 V	200 A	3	Yes	150 A	1	No

MOTOR CONTROLLER/STARTER/VFD SCHEDULE

LABEL	LOCATION NUMBER	LOCATION NAME	EQUIPMENT SERVED	EQUIPMENT DATA VOLTAGE	PHASE	HP	FLA	STARTER TYPE	NEMA SIZE	DISCONNECT SWITCH TYPE	FUSE SIZE	NEMA ENCL	REMOTE CAPACITOR	REMARKS
MS-1ACP1	BM100	ELEC	CP-1	208 V	3	1	4.8 A	FVNR	1	FUSIBLE	8	1	-	
MS-1ACP2	BM100	ELEC	CP-2	208 V	3	3	11.0 A	FVNR	1	FUSIBLE	17.5	1	-	
MS-1AEF2	A101G	STOR	EF-2	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1BEF1	B125	CUST	EF-1	480 V	3	3	4.8 A	FVNR	1	FUSIBLE	8	1	-	
MS-1BEF6	B117A	SCIENCE PREP	EF-6	120 V	1	1/3	7.2 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1DKEF	F113A	STOR.	KILN EXHAUST FAN	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1HEFB5	LM102	ELECTRICAL	EX_EF-B5	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1KHWCP1	J126	FIRE RISER	HWCP-1	480 V	3	5	7.6 A	FVNR	1	FUSIBLE	15	1	-	
MS-1KHWCP2	J126	FIRE RISER	HWCP-2	480 V	3	5	7.6 A	FVNR	1	FUSIBLE	15	1	-	
MS-1KHWCP3	J126	FIRE RISER	HWCP-3	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-1LCHP1	L100	BOILER ROOM	CHP-1	480 V	3	40	52.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1LCHP2	L100	BOILER ROOM	CHP-2	480 V	3	40	52.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1LCHP3	L100	BOILER ROOM	CHP-3	480 V	3	40	52.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1LHWP1	L100	BOILER ROOM	HWP-1	480 V	3	75	96.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1LHWP2	L100	BOILER ROOM	HWP-2	480 V	3	75	96.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1LHWP3	L100	BOILER ROOM	HWP-3	480 V	3	75	96.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1LPCWP1	L100	BOILER ROOM	PCWP-1	480 V	3	25	34.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1LPCWP2	L100	BOILER ROOM	PCWP-2	480 V	3	25	34.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1LPCWP3	L100	BOILER ROOM	PCWP-3	480 V	3	25	34.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1LSCWP1	L100	BOILER ROOM	SCWP-1	480 V	3	75	96.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1LSCWP2	L100	BOILER ROOM	SCWP-2	480 V	3	75	96.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY DIVISION 26.
MS-1LSCWP3	L100	BOILER ROOM	SCWP-3	480 V	3	75	96.0 A	VFD	-	-	-	-	-	VFD FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY DIVISION 26.
MS-2BEF3	B217A	SCIENCE PREP	EF-3	120 V	1	1/3	7.2 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-2BEF4	B217A	SCIENCE PREP	EF-4	120 V	1	1/3	7.2 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-2BEF5	B217A	SCIENCE PREP	EF-5	120 V	1	1/3	7.2 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-2DCPAHU3	HM127	MECH	CP-AHU-3	120 V	1	1/2	9.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-2DCPAHU5	FM200	MECH.	CP-AHU-5	120 V	1	1/2	9.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-2DCPAHU6	FM200	MECH	CP-AHU-6	120 V	1	1/2	9.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-2DCPAHU17	HM127	MECH	CP-AHU-17	120 V	1	3/4	13.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-2DCPAHU18	HM127	MECH	CP-AHU-18	120 V	1	1/2	9.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-2FCPAHU8	JM211	MECH	CP-AHU-8	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-2FCPAHU15	JM211	MECH	CP-AHU-15	480 V	3	3	4.8 A	FVNR	1	FUSIBLE	8	1	-	
MS-2GCPAHU13	HM121	MECH	CP-AHU-13	120 V	1	1/2	9.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-2KCPAHU2	J202	MECH	CP-AHU-2	120 V	1	3/4	13.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-3BCP3	BM312A	ELEC	CP-3	208 V	3	1	4.8 A	FVNR	1	FUSIBLE	8	1	-	
MS-3BCP4	BM312A	ELEC	CP-4	208 V	3	1	4.8 A	FVNR	1	FUSIBLE	8	1	-	
MS-EFC1	G100	CUSTODIAL	EF-C1	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFC2	GR104	STOR	EF-C2	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFC3	J123C	STOR.	EF-C3	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFC4	E101C	STOR.	EF-C4	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFD1	CR128A	STOR.	EF-D1	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFD2	F113A	STOR.	EF-D2	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFD3	F113A	STOR.	EF-D3	120 V	1	1/2	9.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFD4	F113A	STOR.	EF-D4	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFD5	F113A	STOR.	EF-D5	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFD6	F113A	STOR.	EF-D6	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFG1	F114	ART LAB	EF-G1	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFG2	F112	ART LAB	EF-G2	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFG3	F110	DIGITAL LAB	EF-G3	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFG4	H110A	STOR.	EF-G4	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFH2	KM131B	ELEC	EF-H2	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFJ1	MR103	CUST.	EF-J1	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFJ2	MR103B	RR	EF-J2	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFJ3	J112D	TUNNEL ENTRY	EF-J3	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFJ4	J112	CUSTODIAL/ MAINTENANCE	EF-J4	208 V	3	3/4	3.7 A	FVNR	1	FUSIBLE	6.25	1	-	
MS-EFJ5	JR112B	FACULTY MENS	EF-J5	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFK1	JM114	ELEC	EF-K1	120 V	1	1/4	5.8 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFK2	J118	SERVICE KITCHEN	EF-K2	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFK3	JR122	RR	EF-K3	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFK4	J118B	CONCESSIONS	EF-K4	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFK5	J120A	LT CAFE	EF-K4	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS
MS-EFL1	LR100	RR	EF-L1	120 V	1	1/6	4.4 A	-	-	-	-	-	-	FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS

AUTOMATIC TRANSFER SWITCH SCHEDULE

LABEL	LOCATION NUMBER	LOCATION NAME	VOLTAGE	AMPS	PHASE	WIRE	AIC RATING	LOAD SERVED	REMARKS
ATS-EQ1			480Y/277	400 A	3	4	65,000	14DPEQ1	SOLID NEUTRAL BAR
ATS-LS			480Y/277	400 A	3	4	65,000	14DPLS1	SOLID NEUTRAL BAR
ATS-EQ2	L100	BOILER ROOM	480Y/277	225 A	3	4	65,000	14LEQ1	SOLID NEUTRAL BAR

TRANSFORMER SCHEDULE

LABEL	LOCATION NUMBER	LOCATION NAME	KVA	PHASE	VOLTAGE PRIMARY	VOLTAGE SECONDARY	CONNECTION PRIMARY	CONNECTION SECONDARY	MOUNT	TYPE	LOAD(S) SERVED
T-1AEQ1	BM100	ELEC	15	3	480 V	208Y/120	DELTA	WYE	SUSPENDED	DRY	PANELBOARD 12AED1
T-1C1			75	3	480 V	208Y/120	DELTA	WYE	SUSPENDED	DRY	PANELBOARD 12C1
T-1J1	JM112	ELECTRICAL	300	3	480 V	208Y/120	DELTA	WYE	FLOOR	DRY	DISTRIBUTION PANELBOARD 12DPJ1
T-1J2	JM114	ELEC	500	3	480 V	208Y/120	DELTA	WYE	FLOOR	DRY	DISTRIBUTION PANELBOARD 12DPJ2
T-1JEQ2	JM114	ELEC	30	3	480 V	208Y/120	DELTA	WYE	FLOOR	DRY	PANELBOARD 12JEQ1
T-1KEQ1			75	3	480 V	208Y/120	DELTA	WYE	SUSPENDED	DRY	PANELBOARD 12KEQ1
T-1L1	L100	BOILER ROOM	30	3	480 V	208Y/120	DELTA	WYE	FLOOR	DRY	PANELBOARD 12L1
T-1LEQ1	L100	BOILER ROOM	30	3	480 V	208Y/120	DELTA	WYE	FLOOR	DRY	PANELBOARD 12LEQ1
T-2ALS1			2	1	277 V	208Y/120	DELTA	WYE	FLOOR	DRY	ELEV B CAB LIGHTING
T-A1	BM100	ELEC	225	3	480 V	208Y/120	DELTA	WYE	FLOOR	DRY	PANELBOARD 12ADP1
T-B1	BM120A	ELEC	300	3	480 V	208Y/120	DELTA	WYE	FLOOR	DRY	SWITCHBOARD 12BSB1
T-JEQ1			15	3	480 V	208Y/120	DELTA	WYE	FLOOR	DRY	
UTIL XFMR			750	3	480 V	208Y/120	DELTA	WYE	FLOOR	DRY	14LMDP1

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-1B	BM112A	ELEC	277 V	14BLS1	29	30 A	PHOTOCELL/TIMECLOCK	NEMA 1	8	14BLS1-27, 14B1-14,16
LC-1C	CM100	ELEC.	277 V	14CLS1	3	30 A	TEMPERATURE CONTROL SYSTEM	NEMA 1	8	14C1-7,9,11
LC-1J	JM112	ELECTRICAL	277 V	14JLS1	5	30 A	TEMPERATURE CONTROL SYSTEM	NEMA 1	8	14JLS1-12, 1H4-18,20,22,24

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#	Revision	Date
1	Addendum #1	05.14.2020
2	Addendum #2	05.27.2020

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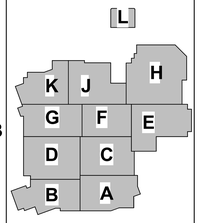

KEY PLAN

MSD OF LAWRENCE TOWNSHIP

ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL

EQUIPMENT SCHEDULES

E-606

PANELBOARD SCHEDULE

DESIGNATION: 22A1 **LOCATION:** ELEC BM200 **MOUNTING:** SURFACE **SUPPLY FROM:** 12ADP1
VOLTS: 208Y/120 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:** 25,000
MAINS RATING: 225 A **MAINS TYPE:** MLO **MCB 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	B208	RECEPTS	20 A	1	0.72	0.00					1	20 A	HAND...	BR227	2	
	3	B208	RECEPTS	20 A	1			0.54	0.00			1	20 A	HAND...	BR227	4	
	5	B206	RECEPTS	20 A	1					0.72	0.00	1	20 A	HAND...	BR227	6	
	7	B206	RECEPTS	20 A	1	0.72	0.18					1	20 A	RECEPTS	B229	8	
	9	B206	RECEPTS	20 A	1			0.72	0.18			1	20 A	RECEPTS	B229	10	
	11	B204	RECEPTS	20 A	1					0.72	0.18	1	20 A	RECEPTS	B229	12	
	13	B204	RECEPTS	20 A	1	0.72	0.18					1	20 A	RECEPTS	B229	14	
	15	B204	RECEPTS	20 A	1			0.72	0.18			1	20 A	RECEPTS	B229	16	
	17	B202	RECEPTS	20 A	1					0.72	1.20	1	20 A	RECEPTS	B229	18	
	19	B202	RECEPTS	20 A	1	0.72	1.20					1	20 A	RECEPTS	B229	20	
	21	B202	RECEPTS	20 A	1			0.72	1.20			1	20 A	RECEPTS	B229	22	
	23	BC201, BC202, BC205, BS203	RECEPTS	20 A	1					1.44	1.20	1	20 A	RECEPTS	B229	24	
	25	BR227	RECEPTS	20 A	1	0.54	1.20					1	20 A	RECEPTS	B229	26	
	27	BR227	HAND...	20 A	1			0.00	1.20			1	20 A	RECEPTS	B229	28	
	29	BR227	HAND...	20 A	1					0.00	0.54	1	20 A	RECEPTS	B229	30	
	31	BR227	RECEPTS	20 A	1	0.54	0.54					1	20 A	RECEPTS	B229	32	
	33	B206 VUV	MOTOR	25 A	2			1.74	0.54			1	20 A	RECEPTS	B231	34	
--	35	--	--	--	--					1.74	0.54	1	20 A	RECEPTS	B231	36	
	37	B204 VUV	MOTOR	25 A	2	1.74	1.74					2	15 A	MOTOR	B202	38	
--	39	--	--	--	--			1.74	1.74			--	--	--	--	40	--
	41	BS127	RECEPTS	20 A	1					0.72	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:		10.74 kVA		11.23 kVA		9.72 kVA							
				TOTAL AMPS:		91 A		95 A		81 A							

TOTAL CONNECTED LOAD: 31.69 kVA
TOTAL CONNECTED AMPS: 95 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 22A2 **LOCATION:** ELEC BM200 **MOUNTING:** SURFACE **SUPPLY FROM:** 12ADP1
VOLTS: 208Y/120 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:** 25,000
MAINS RATING: 225 A **MAINS TYPE:** MLO **MCB 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	B207	RECEPTS	20 A	1	0.72	0.90					1	20 A	RECEPTS	BM200, BC200	2	
	3	B207	RECEPTS	20 A	1			0.72	0.90			1	20 A	RECEPTS	B200C	4	
	5	B207	RECEPTS	20 A	1					0.72	0.90	1	20 A	RECEPTS	B200D	6	
	7	B205	RECEPTS	20 A	1	0.72	0.90					1	20 A	RECEPTS	B200E	8	
	9	B205	RECEPTS	20 A	1			0.72	0.90			1	20 A	RECEPTS	B200F	10	
	11	B205	RECEPTS	20 A	1					0.72	0.90	1	20 A	RECEPTS	B200G	12	
	13	B203	RECEPTS	20 A	1	0.72	0.90					1	20 A	RECEPTS	B200H	14	
	15	B203	RECEPTS	20 A	1			0.54	0.36			1	20 A	RECEPTS	B200J	16	
	17	B201	RECEPTS	20 A	1					0.72	0.90	1	20 A	RECEPTS	B200J	18	
	19	B201	REDEPTS	20 A	1	0.54	0.90					1	20 A	RECEPTS	B200K	20	
	21	B201	RECEPTS	20 A	1			0.72	0.90			1	20 A	RECEPTS	B200L	22	
	23	B200	RECEPTS	20 A	1					0.36	0.90	1	20 A	RECEPTS	B200M	24	
	25	B200	RECEPTS	20 A	1	0.54	0.72					1	20 A	RECEPTS	B200P	26	
	27	B200	RECEPTS	20 A	1			0.54	0.36			1	20 A	RECEPTS	ROOF	28	
	29	B200Q	RECEPTS	20 A	1					0.90	0.18	1	20 A	RECEPTS	DISPLAY CASE BY ELEVATOR	30	
	31	B200A	RECEPTS	20 A	1	0.90	1.74					2	25 A	MOTOR	B207 VUV	32	
	33	B200B	RECEPTS	20 A	1			0.90	1.74			--	--	--	--	34	--
	35	B205 VUV	MOTOR	25 A	2					1.74	1.74	2	25 A	MOTOR	B201 VUV	36	
--	37	--	--	--	--	1.74	1.74					--	--	--	--	38	--
	39	BC201	DOOR HO	20 A	1			0.50	0.00			1	20 A		SPARE	40	--
--	41	SPARE		20 A	1					0.00	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:		13.69 kVA		9.80 kVA		10.68 kVA							
				TOTAL AMPS:		115 A		82 A		90 A							

TOTAL CONNECTED LOAD: 34.17 kVA
TOTAL CONNECTED AMPS: 115 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 32A1 **LOCATION:** ELEC BM302 **MOUNTING:** SURFACE **SUPPLY FROM:** 12ADP1
VOLTS: 208Y/120 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:** 25,000
MAINS RATING: 225 A **MAINS TYPE:** MLO **MCB 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	B308	RECEPTS	20 A	1	0.72	1.50					1	20 A	HAND...	BR327	2	
	3	B308	RECEPTS	20 A	1			0.54	1.50			1	20 A	HAND...	BR327	4	
	5	B306	RECEPTS	20 A	1					0.72	1.50	1	20 A	HAND...	BR327	6	
	7	B306	RECEPTS	20 A	1	0.72	0.18					1	20 A	RECEPTS	B329	8	
	9	B306	RECEPTS	20 A	1			0.72	0.18			1	20 A	RECEPTS	B329	10	
	11	B304	RECEPTS	20 A	1					0.72	0.18	1	20 A	RECEPTS	B329	12	
	13	B304	RECEPTS	20 A	1	0.72	0.18					1	20 A	RECEPTS	B329	14	
	15	B304	RECEPTS	20 A	1			0.72	0.18			1	20 A	RECEPTS	B329	16	
	17	B302	RECEPTS	20 A	1					0.72	1.20	1	20 A	RECEPTS	B329	18	
	19	B302	RECEPTS	20 A	1	0.72	1.20					1	20 A	RECEPTS	B329	20	
	21	B302	RECEPTS	20 A	1			0.72	1.20			1	20 A	RECEPTS	B329	22	
	23	BC301, BC302, BC305	RECEPTS	20 A	1					1.44	1.20	1	20 A	RECEPTS	B329	24	
	25	BR327	RECEPTS	20 A	1	0.54	1.20					1	20 A	RECEPTS	B329	26	
	27	BR327	HABD...	20 A	1			1.50	1.20			1	20 A	RECEPTS	B329	28	
	29	BR327	HAND...	20 A	1					1.50	0.36	1	20 A	RECEPTS	B329	30	
	31	BR327	RECEPTS	20 A	1	0.54	0.54					1	20 A	RECEPTS	B329	32	
	33	B306 VUV	MOTOR	25 A	2			1.74	0.72			1	20 A	RECEPTS	B331	34	
--	35	--	--	--	--					1.74	0.72	1	20 A	RECEPTS	B331	36	
	37	B304 VUV	MOTOR	25 A	2	1.74	1.74					2	25 A	MOTOR	B302 VUV	38	
--	39	--	--	--	--			1.74	1.74			--	--	--	--	40	--
--	41	SPARE		20 A	1					0.00	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:		12.24 kVA		14.41 kVA		12.00 kVA							
				TOTAL AMPS:		102 A		120 A		100 A							

TOTAL CONNECTED LOAD: 38.65 kVA
TOTAL CONNECTED AMPS: 120 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 32A2 **LOCATION:** ELEC BM302 **MOUNTING:** SURFACE **SUPPLY FROM:** 12ADP1
VOLTS: 208Y/120 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:** 25,000
MAINS RATING: 225 A **MAINS TYPE:** MLO **MCB 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	B307	RECEPTS	20 A	1	0.72	0.72					1	20 A	RECEPTS	B300	2	
	3	B307	RECEPTS	20 A	1			0.72	0.54			1	20 A	RECEPTS	B300	4	
	5	B307	RECEPTS	20 A	1					0.72	0.90	1	20 A	RECEPTS	B300D	6	
	7	B305	RECEPTS	20 A	1	0.72	0.90					1	20 A	RECEPTS	B300C	8	
	9	B305	RECEPTS	20 A	1			0.72	0.90			1	20 A	RECEPTS	B300B	10	
	11	B305	RECEPTS	20 A	1					0.72	0.90	1	20 A	RECEPTS	B300A	12	
	13	B303	RECEPTS	20 A	1	0.72	1.74					2	25 A	MOTOR	B301 VUV	14	
	15	B303	RECEPTS	20 A	1			0.72	1.74			--	--	--	--	16	--
	17	B301	RECEPTS	20 A	1					0.72	1.74	2	25 A	MOTOR	B305 VUV	18	
	19	B301	RECEPTS	20 A	1	0.72	1.74					--	--	--	--	20	--
	21	B301	RECEPTS	20 A	1			0.72	1.74			2	25 A	MOTOR	B307 VUV	22	
	23	B300J	RECEPTS	20 A	1					0.54	1.74	--	--	--	--	24	--
	25	B300H	RECEPTS	20 A	1	0.54	0.50					1	20 A	DOOR HO	BC303	26	
	27	BM302	RECEPTS	20 A	1			0.18	0.00			1	20 A		SPARE	28	--
	29	BC300	RECEPTS	20 A	1					0.36	0.00	1	20 A		SPARE	30	--
	31	B300E	RECEPTS	20 A	1	0.72	0.00					1	20 A		SPARE	32	--
	33	ROOFTOP	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	32AT	PANEL	60 A	3	2.22	0.00					1	20 A		SPARE	38	--
--	39	--	--	--	--			1.50	0.00			1	20 A		SPARE	40	--
--	41	--	--	--	--					1.50	0.00	1	20 A		SPARE	42	--
				TOTAL LOAD:		11.96 kVA		9.84 kVA		9.84 kVA							
				TOTAL AMPS:		100 A		82 A		82 A							

TOTAL CONNECTED LOAD: 31.65 kVA
TOTAL CONNECTED AMPS: 100 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 12A1 **LOCATION:** ELEC BM100 **MOUNTING:** SURFACE **SUPPLY FROM:** 12ADP1
VOLTS: 208Y/120 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:** 25,000
MAINS RATING: 225 A **MAINS TYPE:** MLO **MCB 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	B108	RECEPT	20 A	1	0.72	1.50					1	20 A	HAND D	BR127	2	G
	3	B108	RECEPT	20 A	1			0.54	1.50			1	20 A	HAND D	BR127	4	G
	5	B106	RECEPT	20 A	1					0.72	1.50	1	20 A	HAND D	BR127	6	G
	7	B106	RECEPT	20 A	1	0.72	0.18					1	20 A	RECEPT	B129	8	
	9	B106	RECEPT	20 A	1			0.72	0.18			1	20 A	RECEPT	B129	10	
	11	B104	RECEPT	20 A	1					0.72	0.18	1	20 A	RECEPT	B129	12	
	13	B104	RECEPT	20 A	1	0.72	0.18					1	20 A	RECEPT	B129	14	
	15	B104	RECEPT	20 A	1			0.72	0.18			1	20 A	RECEPT	B129	16	
	17	B102	RECEPT	20 A	1					0.72	1.20	1	20 A	RECEPT	B129	18	
	19	B102	RECEPT	20 A	1	0.72	1.20					1	20 A	RECEPT	B129	20	
	21	B102	RECEPT	20 A	1			0.72	1.20			1	20 A	RECEPT	B129	22	G
	23	CORRIDOR	DOOR H	20 A	1					0.50	1.20	1	20 A	RECEPT	B129	24	G
	25	BC101, BC102, BC105	RECEPT	20 A	1	1.62	1.20					1	20 A	RECEPT	B129	26	
	27	BR127	RECEPT	20 A	1			0.54	1.20			1	20 A	RECEPT	B129	28	
G	29	BR127	HAND D	20 A	1					1.50	0.36	1	20 A	RECEPT	B129	30	
G	31	BR127	HAND D	20 A	1	1.50	0.54					1	20 A	RECEPT	B129	32	
	33	BR127	RECEPT	20 A	1			0.54	0.72			1	20 A	RECEPT	B131	34	
--	35	SPARE		20 A	1					0.00	0.72	1	20 A	RECEPT	B131	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	--
--	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:		10.80 kVA		8.76 kVA		9.32 kVA							
				TOTAL AMPS:		91 A		73 A		78 A							

TOTAL CONNECTED LOAD: 28.88 kVA
TOTAL CONNECTED AMPS: 91 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 12A2 **LOCATION:** ELEC BM100 **MOUNTING:** SURFACE **SUPPLY FROM:** 12ADP1
VOLTS: 208Y/120 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:** 25,000
MAINS RATING: 225 A **MAINS TYPE:** MLO **MCB 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	B107	RECEPT	20 A	1	0.72	1.08					1	20 A	RECEPT	B101	2	
	3	B107	RECEPT	20 A	1			0.72	1.62			1	20 A	RECEPT	BC100, BC101C	4	
	5	B107	RECEPT	20 A	1					0.72	0.36	1	20 A	DISPLAY	B101G, B101K	6	
	7	B105	RECEPT	20 A	1	0.72	0.72					1	20 A	RECEPT	B101K	8	
	9	B105	RECEPT	20 A	1			0.72	1.08			1	20 A	RECEPT	B101G	10	
	11	B105	RECEPT	20 A	1					0.72	0.90	1	20 A	RECEPT	B101H	12	
	13	B103	RECEPT	20 A	1	0.54	1.26					1	20 A	RECEPT	B101J, BM100, B100D	14	
	15	B103	RECEPT	20 A	1			0.72	0.72			1	20 A	RECEPT	B100K	16	
	17	BC101	DOOR HO	20 A	1					0.50	0.90	1	20 A	RECEPT	B100C	18	
	19	B101F	RECEPT	20 A	1	0.90	1.44					1	20 A	RECEPT	B100	20	
	21	B101E	RECEPT	20 A	1			0.90	0.90			1	20 A	RECEPT	B100A	22	
	23	B101D	RECEPT	20 A	1					0.90	0.90	1	20 A	RECEPT	B100B	24	
	25	B101C	RECEPT	20 A	1	0.90	0.90					1	20 A	RECEPT	B100H	26	
	27	B101A, B101B	DISPLAY	20 A	1			0.36	0.90			1	20 A	RECEPT	B100G	28	
	29	B101B	RECEPT	20 A	1					0.72	0.18	1	20 A	RECEPT	ELEV BS101	30	
	31	B101A	RECEPT	20 A	1	1.08	1.74					2	25 A	MOTOR	B107 VUV	32	
	33	BS101	RECEPT	20 A	1			0.18	1.74			--	--	--	--	34	--
--	35	SPARE		20 A	1					0.00	1.74	2	25 A	MOTOR	B105 VUV	36	
--	37	SPARE		20 A	1	0.00	1.74					--	--	--	--	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	--
--	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	0.70	1	20 A	EF-2	A101G, ROOF	54	
				TOTAL LOAD:		13.74 kVA		10.56 kVA		9.24 kVA							
				TOTAL AMPS:		116 A		90 A		77 A							

TOTAL CONNECTED LOAD: 33.55 kVA
TOTAL CONNECTED AMPS: 116 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 12A3 **LOCATION:** ELEC BM100 **MOUNTING:** SURFACE **SUPPLY FROM:** 12ADP1
VOLTS: 208Y/120 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:** 25,000
MAINS RATING: 225 A **MAINS TYPE:** MLO **MCB 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	AC101, A102C, A101G	RECEPT	20 A	1	1.08	0.72					1	20 A	RECEPT	A101E	2	
	3	A102	RECEPT	20 A	1			0.90	1.20			1	20 A	RECEPT	A101D	4	
	5	A102	RECEPT	20 A	1					0.72	0.72	1	20 A	RECEPT	A101D	6	
	7	A102	RECEPT	20 A	1	0.72	1.44					1	20 A	RECEPT	A101A	8	
	9	A102	RECEPT	20 A	1			0.36	0.18			1	20 A	RECEPT	RG	10	
	11	RG CLINIC-1 A102-1	RECEPT	20 A	1					0.18	0.90	1	20 A	RECEPT	A101A, A101B	12	
	13	A102	RECEPT	20 A	1	0.18	0.50					1	20 A	DOOR OP	AC100	14	
G	15	A102	RECEPT	20 A	1			1.20	0.50			1	20 A	DOOR OP	MAIN ENTRY	16	
G	17	A102	RECEPT	20 A	1					1.20	0.54	1	20 A	RECEPT	A101L	18	
	19	A102A	RECEPT	20 A	1	0.90	0.72					1	20 A	RECEPT	A101	20	
	21	AR101, AR102, AR103,	RECEPT	20 A	1			0.54	0.90			1	20 A	RECEPT	A101	22	
G	23	AR102	HAND D	20 A	1					1.50	0.36	1	20 A	RECEPT	A101	24	
G	25	AR103	HAND D	20 A	1	1.50	0.54					1	20 A	RECEPT	A101	26	
G	27	AR101	HAND D	20 A	1			1.50	1.20			1	20 A	RECEPT	A101L	28	
	29	A101K	RECEPT	20 A	1					0.90						30	
	31	A101E	RECEPT	20 A	1	1.20										32	
	33	A101E	RECEPT	20 A	1			0.36								34	
G	35	AC101	EWC	20 A	1					1.00						36	
	37	AC100	RECEPT	20 A	1	0.18										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	--
	43	BM100, ROOF	CU/FCU-2	30 A	3	1.32	0.00					1	20 A		SPARE	44	--
--	45	--	--	--	--			1.32	0.00			1	20 A		SPARE	46	--
--	47	--	--	--	--					1.32	0.00	1	20 A		SPARE	48	--
	49	12AT		60 A	3	2.22	0.00					1	20 A		SPARE	50	--
--	51	--	--	--	--			2.22	0.00			1	20 A		SPARE	52	--
--	53	--	--	--	--					2.22	0.00	1	20 A		SPARE	54	--
				TOTAL LOAD:		13.22 kVA		12.38 kVA		11.56 kVA							
				TOTAL AMPS:		111 A		104 A		96 A							

TOTAL CONNECTED LOAD: 37.17 kVA
TOTAL CONNECTED AMPS: 111 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 12AT **LOCATION:** IDF AM101 **MOUNTING:** SURFACE **SUPPLY FROM:** 12A3
VOLTS: 208Y/120 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:** 10,000
MAINS RATING: 100 A **MAINS TYPE:** MLO **MCB 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	RG IDF AM101	DATA RK	20 A	1	0.72	0.18					1	20 A		RG IDF AM101	2	
	3	RG IDF AM101	DATA RK	20 A	1			0.72	0.18			1	20 A		RG IDF AM101	4	
	5	RG IDF AM101	DATA RK	20 A	1					0.72	0.18	1	20 A		RG IDF AM101	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	1.32					3	30 A	CU/FCU-1	AM101, ROOF	14	
--	15	SPARE		20 A	1			0.00	1.32			--	--	--	--	16	--
--	17	SPARE		20 A	1					0.00	1.32	--	--	--	--	18	--
				TOTAL LOAD:		2.22 kVA		2.22 kVA		2.22 kVA							
				TOTAL AMPS:		19 A		19 A		19 A							

TOTAL CONNECTED LOAD: 6.66 kVA
TOTAL CONNECTED AMPS: 19 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 32AT **LOCATION:** IDF BM300 **MOUNTING:** SURFACE **SUPPLY FROM:** 32A2
VOLTS: 208Y/120 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:** 10,000
MAINS RATING: 100 A **MAINS TYPE:** MLO **MCB 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	BM300	RECEPT	20 A	1	0.18	0.72					1	20 A	DATA RK	BM300	2	
	3	BM300	RECEPT	20 A	1			0.18	0.00			1	20 A		SPARE	4	--
	5	BM300	RECEPT	20 A	1					0.18	0.00	1	20 A		SPARE	6	--
	7	BM300, ROOF	CU/FCU-6	30 A	3	1.32	0.00					1	20 A		SPARE	8	--
--	9	--	--	--	--			1.32	0.00			1	20 A		SPARE	10	--
--	11	--	--	--	--					1.32	0.00	1	20 A		SPARE	12	--
--	13	SPARE		20 A	1	0.00	0.00					--	--	--	SPACE	14	--
--	15	SPARE		20 A	1			0.00	0.00			--	--	--	SPACE	16	--
--	17	SPARE		20 A	1					0.00	0.00	--	--	--	SPACE	18	--
				TOTAL LOAD:		2.22 kVA		1.50 kVA		1.50 kVA							
				TOTAL AMPS:		19 A		13 A		13 A							

TOTAL CONNECTED LOAD: 5.22 kVA
TOTAL CONNECTED AMPS: 19 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 14ADP1 **LOCATION:** ELEC BM100 **MOUNTING:** SURFACE **SUPPLY FROM:** 14BSB1
VOLTS: 480Y/277 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:** 35,000
MAINS RATING: 800 A **MAINS TYPE:** MLO **MCB RATING:** **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
X	1	1TA1/12ADP1	TX/PANEL	400 A	3	86.40	3.45					3	100 A	PANEL	14A1	2	
--	3	--	--	--	--			76.98	4.49			--	--	--	--	4	--
--	5	--	--	--	--					72.38	4.29	--	--	--	--	6	--
	7	24A1	PANEL	100 A	3	2.06	1.95					3	100 A	PANEL	34A1	8	
--	9	--	--	--	--			3.60	2.81			--	--	--	--	10	--
--	11	--	--	--	--					3.63	3.69	--	--	--	--	12	--
S	13	BS101 ELEVATOR	MOTOR	100 A	3	12.80										14	
--	15	--	--	--	--			12.80								16	
--	17	--	--	--	--					12.80						18	
	19	ROOF	RTAHU-2	40 A	3	8.13										20	
--	21	--	--	--	--			8.13								22	
--	23	--	--	--	--					8.13						24	
	25															26	
	27															28	
	29															30	
				TOTAL LOAD:		114.80 kVA		108.80 kVA		104.92 kVA							
				TOTAL AMPS:		417 A		395 A		379 A							

TOTAL CONNECTED LOAD: 328.52 kVA
TOTAL CONNECTED AMPS: 417 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 14A1 **LOCATION:** ELEC BM100 **MOUNTING:** SURFACE **SUPPLY FROM:** 14ADP1
VOLTS: 480Y/277 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:**
MAINS RATING: 100 A **MAINS TYPE:** MLO **MCB 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	BC199A, BC199B, BC199F	LIGHTING	20 A	1	1.13	0.90					1	20 A	LIGHTING	B106, B108	2	
	3	BR127, B129, B131	LIGHTING	20 A	1			1.17	1.32			1	20 A	LIGHTING	B102, B104	4	
	5	BS199G	LIGHTING	20 A	1					0.03	1.80	1	20 A	LIGHTING	B103, B105, B107	6	
	7	B100,A,B,C,D,J,K, BC011,...	LIGHTING	20 A	1	0.71	0.71					1	20 A	LIGHTING	A102,A,C, AR102	8	
	9	B101C,D,E,F,G,H,J, BC199L	LIGHTING	20 A	1			0.73	0.54			1	20 A	LIGHTING	AC101, A101D,E,G,K	10	
	11	B100G,H, B101,A,G,K, BC199K	LIGHTING	20 A	1					0.92	0.87	1	20 A	LIGHTING	A101,A,B,L	12	
--	13	SPARE		20 A	1	0.00										14	
--	15	SPARE		20 A	1			0.00	0.74			1	20 A	LIGHTING	AC100	16	
--	17	SPARE		20 A	1					0.00	0.67	1	20 A	LIGHTING	AC100, AV100	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	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:		3.45 kVA		4.49 kVA		4.29 kVA							
				TOTAL AMPS:		12 A		17 A		16 A							

TOTAL CONNECTED LOAD: 12.23 kVA
TOTAL CONNECTED AMPS: 17 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 24A1 **LOCATION:** ELEC BM200 **MOUNTING:** SURFACE **SUPPLY FROM:** 14ADP1
VOLTS: 480Y/277 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:**
MAINS RATING: 1 A **MAINS TYPE:** MLO **MCB 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	BC202, BC205,	LIGHTING	20 A	1	0.84	1.04					1	20 A	LIGHTING	B206, B208,	2	
	3	BR227, B229, B231,	LIGHTING	20 A	1			1.17	1.44			1	20 A	LIGHTING	B202, B204,	4	
	5	B200, B201, B200A, B200K,...	LIGHTING	20 A	1					1.79	1.84	1	20 A	LIGHTING	B203, B205, B207,	6	
	7	BC200	LIGHTING	20 A	1	0.18	0.00					1	20 A		SPARE	8	--
	9	B200B, B200C, B200D, B200E,...		20 A	1			0.99	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	--
--	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	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:		2.06 kVA		3.60 kVA		3.63 kVA							
				TOTAL AMPS:		7 A		14 A		14 A							

TOTAL CONNECTED LOAD: 9.29 kVA
TOTAL CONNECTED AMPS: 14 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 34A1 **LOCATION:** ELEC BM302 **MOUNTING:** SURFACE **SUPPLY FROM:** 14ADP1
VOLTS: 480Y/277 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:**
MAINS RATING: 1 A **MAINS TYPE:** MLO **MCB 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	BC302,	LIGHTING	20 A	1	0.91	1.04					1	20 A	LIGHTING	B306, B308	2	
	3	BR327, B329, B331	LIGHTING	20 A	1			1.05	1.76			1	20 A	LIGHTING	B300, B302, B304	4	
	5	CB300, B300A, B300B, B300C,...	LIGHTING	20 A	1					1.13	2.56	1	20 A	LIGHTING	B301, B303, B305, B307,	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	--
--	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	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:		1.95 kVA		2.81 kVA		3.69 kVA							
				TOTAL AMPS:		7 A		11 A		14 A							

TOTAL CONNECTED LOAD: 8.45 kVA
TOTAL CONNECTED AMPS: 14 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 12ADP1 **LOCATION:** ELEC BM100 **MOUNTING:** SURFACE **SUPPLY FROM:** T-A1
VOLTS: 208Y/120 V **PHASES:** 3 **WIRES:** 4 **AIC RATING:** 25,000
MAINS RATING: 800 A **MAINS TYPE:** MCB **MCB RATING:** 800 A **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	12A1	PANEL	225 A	3	10.80	13.74					3	225 A	PANEL	12A2	2	
--	3	--	--	--	--			8.76	10.56			--	--	--	--	4	--
--	5	--	--	--	--					9.32	9.24	--	--	--	--	6	--
	7	12A3	PANEL	225 A	3	13.22	0.00					--	--	--	SPACE	8	--
--	9	--	--	--	--			12.38	0.00			--	--	--	SPACE	10	--
--	11	--	--	--	--					11.56	0.00	--	--	--	SPACE	12	--
	13	22A1	PANEL	225 A	3	10.74	13.69					3	225 A	PANEL	22A2	14	
--	15	--	--	--	--			11.23	9.80			--	--	--	--	16	--
--	17	--	--	--	--					9.72	10.68	--	--	--	--	18	--
	19						0.00					--	--	--	SPACE	20	--
	21								0.00			--	--	--	SPACE	22	--
	23										0.00	--	--	--	SPACE	24	--
	25	32A1	PANEL	225 A	3	12.24	11.96					3	225 A	PANEL	32A2	26	
--	27	--	--	--	--			14.41	9.84			--	--	--	--	28	--
--	29	--	--	--	--					12.00	9.84	--	--	--	--	30	--
				TOTAL LOAD:		86.40 kVA		76.98 kVA		72.38 kVA							
				TOTAL AMPS:		726 A		647 A		603 A							

TOTAL CONNECTED LOAD: 235.76 kVA
TOTAL CONNECTED AMPS: 726 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

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Project No. 2018-050.LCH
Project Date 05.05.2020
Produced JTH EAG

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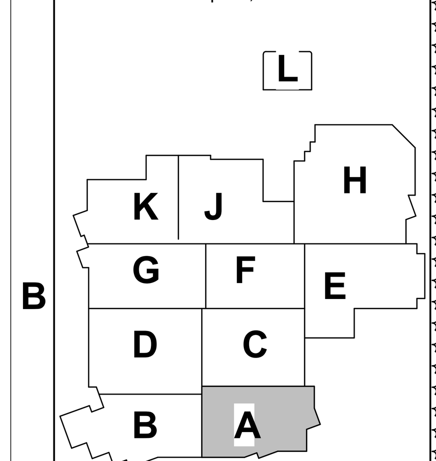
#	Revision	Date
A2	Addendum #2	05.27.2020

7300 E 56th St.
Indianapolis, IN 46226



KEY PLAN

MSD OF LAWRENCE TOWNSHIP

LAWRENCE CENTRAL HIGH SCHOOL RENOVATION

PANELBOARD SCHEDULES

E-614 A2

SWITCHBOARD SCHEDULE

SWITCHBOARD: 12BSB1 — **LOCATION:** ELEC BM120A — **MOUNTING:** FLOOR — **SUPPLY FROM:** T-B1
VOLTS: 208Y/120 V — **PHASES:** 3 — **WIRES:** 4 — **AIC RATING:** 25,000
MAINS RATING: 1200 A — **MAINS TYPE:** MCB — **MCB RATING:** 1000 A — **MCB OPTIONS:**

O	CKT NO.	CIRCUIT DESCRIPTION	P	FRAME SIZE	TRIP RATING	A	B	C	LOAD	REMARKS
	1	12B1	3	225 A	225 A	14.38	14.60	15.28	44.26	PANELBOARD
	2	12B2	3	225 A	225 A	13.42	9.46	11.64	34.53	PANELBOARD
	3	12B3	3	100 A	100 A	3.86	4.20	3.34	11.40	PANELBOARD
	4	12B4	3	100 A	100 A	3.72	2.82	0.72	7.26	PANELBOARD
	5	12B5	3	100 A	100 A	0.90	2.46	2.46	5.82	PANELBOARD
	6	22B1	3	225 A	225 A	15.09	14.77	14.77	44.63	PANELBOARD
	7	22B2	3	225 A	225 A	11.27	12.17	11.83	35.26	PANELBOARD
	8	22B3	3	100 A	100 A	5.49	4.83	7.01	17.34	PANELBOARD
	9	22B4	3	100 A	100 A	4.04	6.31	5.78	16.13	PANELBOARD
	10	22B5	3	100 A	100 A	0.90	0.72	0.36	1.98	PANELBOARD
	11	32B1	3	225 A	225 A	15.81	14.77	14.77	45.35	PANELBOARD
	12	32B2	3	225 A	225 A	11.99	11.81	11.83	35.62	PANELBOARD
	13	32B3	3	100 A	100 A	5.72	6.56	4.99	17.27	PANELBOARD
	14	32B4	3	100 A	100 A	2.52	5.10	5.10	12.73	PANELBOARD
	15	32B5	3	100 A	100 A	0.00	0.00	0.00	0.00	PANELBOARD
	16									
	17									
	18									
	19									
	20									
					Total Load:	109.11 kVA	110.58 kVA	109.89 kVA		
					Total Amps:	909 A	922 A	917 A		
								Total Conn. Load:	329.58 kVA	
								Total Amps:	922 A	

Notes: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 12B1 — **LOCATION:** ELEC BM112A — **MOUNTING:** SURFACE — **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V — **PHASES:** 3 — **WIRES:** 4 — **AIC RATING:** 10,000
MAINS RATING: 225 A — **MAINS TYPE:** MLO — **MCB RATING:** — **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	A	B	B	C	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	B126, B126A	RECEPTS	20 A	1	0.72	0.36					1	20 A	RECEPTS	BC117	2	
	3	B126	RECEPTS	20 A	1			0.72	0.54			1	20 A	DOOR HO	BC118	4	
	5	B126	RECEPTS	20 A	1					0.72	0.36	1	20 A	RECEPTS	BS126, BM126	6	
	7	B124, B124A	RECEPTS	20 A	1	0.36	0.50					1	20 A	DOOR HO	BC118	8	
	9	B124	RECEPTS	20 A	1			0.72	0.36			1	20 A	RECEPTS	BC117	10	
	11	B124	RECEPTS	20 A	1					1.08	0.54	1	20 A	RECEPTS	BC117	12	
	13	B122	RECEPTS	20 A	1	0.72	0.36					1	20 A	RECEPTS	BC117 COUNTERTOP	14	
	15	B122	RECEPTS	20 A	1			0.72	0.36			1	20 A	RECEPTS	BC117 COUNTERTOP	16	
	17	B122	RECEPTS	20 A	1					0.72	0.36	1	20 A	RECEPTS	BC117, DISPLAY CASES	18	
	19	B120	RECEPTS	20 A	1	0.72	0.36					1	20 A	RECEPTS	BC117, DISPLAY CASE	20	
	21	B120	RECEPTS	20 A	1			0.72	0.18			1	20 A	RECEPTS	BM120A	22	
	23	B120	RECEPTS	20 A	1					0.72	0.50	1	20 A	HOLD OP	BC117	24	
	25	B118	RECEPTS	20 A	1	0.72	1.74					2	25 A	MOTOR	B126 VUV	26	
	27	B118	RECEPTS	20 A	1			0.72	1.74			--	--	--	--	28	--
	29	B118	RECEPTS	20 A	1					0.72	1.74	2	25 A	MOTOR	B122 VUV	30	
	31	BC117	COIL DR	20 A	3	1.18	1.74					--	--	--	--	32	--
--	33	--	--	--	--			1.18	1.74			2	25 A	MOTOR	B124 VUV	34	--
--	35	--	--	--	--					1.18	1.74	--	--	--	--	36	--
	37	BC117	COIL DR	20 A	3	1.18	0.00					1	20 A		SPARE	38	--
--	39	--	--	--	--			1.18	0.00			1	20 A		SPARE	40	--
--	41	--	--	--	--					1.18	0.00	1	20 A		SPARE	42	--
	43	BM120A, ROOF	CU/FCU-3	30 A	3	1.32	0.00					1	20 A		SPARE	44	--
--	45	--	--	--	--			1.32	0.00			1	20 A		SPARE	46	--
--	47	--	--	--	--					1.32	0.00	1	20 A		SPARE	48	--
	49	12BT	PANEL	60 A	3	2.40	0.00					1	20 A		SPARE	50	--
--	51	--	--	--	--			2.40	0.00			1	20 A		SPARE	52	--
--	53	--	--	--	--					2.40	0.00	1	20 A		SPARE	54	--
					TOTAL LOAD:	14.38 kVA		14.60 kVA		15.28 kVA							
					TOTAL AMPS:	120 A		122 A		128 A							

TOTAL CONNECTED LOAD: 44.26 kVA
TOTAL CONNECTED AMPS: 128 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 12B2 — **LOCATION:** ELEC BM112A — **MOUNTING:** SURFACE — **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V — **PHASES:** 3 — **WIRES:** 4 — **AIC RATING:** 10,000
MAINS RATING: 225 A — **MAINS TYPE:** MLO — **MCB RATING:** — **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	A	B	B	C	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	BC102	RECEPTS	20 A	1	0.72	1.00					1	20 A	EWC	BC323	2	G
	3	B125	RECEPTS	20 A	1			0.36	1.00			1	20 A	EWC	BC323	4	G
G	5	BR112	HAND D	20 A	1					1.50	0.54	1	20 A	RECEPTS	BR112, BR113, BR125	6	
G	7	BR112	HAND D	20 A	1	1.50	1.50					1	20 A	RECEPTS	BR125	8	
G	9	BR113	HAND D	20 A	1			1.50	0.36			1	20 A	RECEPTS	BM112A, B123B	10	
G	11	BR113	HAND D	20 A	1					1.50	1.50	1	20 A	VAV...	B123B	12	
	13	B114	RECEPTS	20 A	1	0.72	0.90					1	20 A	RECEPTS	BC117, BS113	14	
	15	B114	RECEPTS	20 A	1			0.72	0.18			1	20 A	RECEPTS	BC117	16	
	17	B114	RECEPTS	20 A	1					0.72	0.72	1	20 A	DISPLAYS	BC117	18	
	19	B112	RECEPTS	20 A	1	0.72	0.72					1	20 A	DISPLAYS	BC117	20	
	21	B112	RECEPTS	20 A	1			0.72	0.72			1	20 A	RECEPTS	B113	22	
	23	B112	RECEPTS	20 A	1					0.72	0.72	1	20 A	RECEPTS	B113	24	
	25	B110	RECEPTS	20 A	1	0.72	0.72					1	20 A	RECEPTS	B113	26	
	27	B110	RECEPTS	20 A	1			0.72	0.72			1	20 A	RECEPTS	B111	28	
	29	B110	RECEPTS	20 A	1					0.72	0.72	1	20 A	RECEPTS	B111	30	
	31	B113 VUV	MOTOR	25 A	2	1.74	0.72					1	20 A	RECEPTS	B111	32	
--	33	--	--	--	--			1.74	0.72			1	20 A	RECEPTS	B109	34	
	35	B111 VUV	MOTOR	25 A	2					1.74	0.54	1	20 A	RECEPTS	B109	36	
--	37	--	--	--	--	1.74	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	--
--	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:	13.42 kVA		9.46 kVA		11.64 kVA							
					TOTAL AMPS:	115 A		79 A		100 A							

TOTAL CONNECTED LOAD: 34.53 kVA
TOTAL CONNECTED AMPS: 115 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 12B3 — **LOCATION:** SCIENCE LAB B117 — **MOUNTING:** FLUSH — **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V — **PHASES:** 3 — **WIRES:** 4 — **AIC RATING:** 10,000
MAINS RATING: 225 A — **MAINS TYPE:** MLO — **MCB RATING:** — **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	A	B	B	C	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	RG SCIENCE LAB B117		20 A	1	0.72	0.18					1	20 A	RECEPTS	B117A	2	
	3	B117	RECEPTS	20 A	1			0.54	0.36			1	20 A	RECEPTS	B117A	4	
	5	B117	RECEPTS	20 A	1					0.36	0.36	1	20 A	RECEPTS	B117A	6	
	7	B117	RECEPTS	20 A	1	0.36	0.18					1	20 A	RECEPTS	B117A	8	
	9	B117	RECEPT	20 A	1			0.18	1.20			1	20 A	REFRIG	B117A	10	G
	11	B117	RECEPT	20 A	1					0.18	1.20	1	20 A	REFRIG	B117A	12	G
	13	B117	RECEPT	20 A	1	0.18	1.74					2	15 A	MOTOR	B117A VUV	14	
	15	B117	RECEPT	20 A	1			0.18	1.74			--	--	--	--	16	--
	17	B117	RECEPT	20 A	1					0.18	0.20	1	20 A	GAS PNL	B117A	18	
	19	B117A FUME HOOD	RECEPT	20 A	1	0.50	0.00					1	20 A		SPARE	20	--
--	21	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	22	--
	23	B117A, ROOF	EF-6	20 A	1					0.86	0.00	1	20 A		SPARE	24	--
--	25	SPACE	--	--	--	0.00	0.00					1	20 A		SPARE	26	--
--	27	SPACE	--	--	--			0.00	0.00			1	20 A		SPARE	28	--
--	29	SPACE	--	--	--					0.00	0.00	1	20 A		SPARE	30	--
					TOTAL LOAD:	3.86 kVA		4.20 kVA		3.34 kVA							
					TOTAL AMPS:	33 A		36 A		28 A							

TOTAL CONNECTED LOAD: 11.40 kVA
TOTAL CONNECTED AMPS: 36 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 14BLS1 — **LOCATION:** ELEC BM112A — **MOUNTING:** SURFACE — **SUPPLY FROM:**
VOLTS: 480Y/277 V — **PHASES:** 3 — **WIRES:** 4 — **AIC RATING:**
MAINS RATING: 100 A — **MAINS TYPE:** MLO — **MCB RATING:** — **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	A	B	B	C	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	BC199D, B199C, BS199E	LIGHTING	20 A	1	1.40	0.16					1	20 A	LIGHTING	B129, B131	2	
	3	B118, B120	LIGHTING	20 A	1			0.14	0.49			1	20 A	LIGHTING	BC101, BC102, BC105	4	
	5	B119, B117A, B117,	LIGHTING	20 A	1					0.35	0.43	1	20 A	LIGHTING	B102,4,6,8, BR127	6	
	7	LI Room BM112B, BM123C	LIGHTING	20 A	1	0.23	0.51					1	20 A	LIGHTING	B100, AC101, BC100,...	8	
	9	B110, B112, B114	LIGHTING	20 A	1			0.18	0.84			1	20 A	LIGHTING	BS103	10	
	11	B109	LIGHTING	20 A	1					0.06	0.69	1	20 A	LIGHTING	A101, A101A, A101B, AR101, A102,...	12	
	13	BR123, BR125, BC323, BC199B,F	LIGHTING	20 A	1	0.51	0.48					1	20 A	LIGHTING	A100, AC100, AR100, AV101,	14	
	15	BM120A	LIGHTING	20 A	1			0.14	0.17			1	20 A	LIGHTING	BM100, BS101 ELEV PIT	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	SOUTH BLDG EXTERIOR	LIGHTING	20 A	1			0.22	0.14			1	20 A	LIGHTING	WEST BLDG EXTERIOR	28	--
	29	BM112A	LC-1C	20 A	1					0.50	0.00	1	20 A		SPARE	30	--
					TOTAL LOAD:	3.27 kVA		2.30 kVA		2.02 kVA							
					TOTAL AMPS:	12 A		8 A		7 A							

TOTAL CONNECTED LOAD: 7.60 kVA
TOTAL CONNECTED AMPS: 12 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 24BLS1 — **LOCATION:** ELEC BM212A — **MOUNTING:** SURFACE — **SUPPLY FROM:**
VOLTS: 480Y/277 V — **PHASES:** 3 — **WIRES:** 4 — **AIC RATING:**
MAINS RATING: 100 A — **MAINS TYPE:** MLO — **MCB RATING:** — **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	A	B	B	C	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	BC217, BC218	LIGHTING	20 A	1	0.68	0.12					1	20 A	LIGHTING	B229, B231	2	
	3	B224, B226	LIGHTING	20 A	1			0.02	0.45			1	20 A	LIGHTING	BC201, BC202, BC205	4	
	5	B217, B217A, B221	LIGHTING	20 A	1					0.35	0.17	1	20 A	LIGHTING	BR227	6	
	7	BM212A, BM214	LIGHTING	20 A	1	0.23	0.08					1	20 A	LIGHTING	B200P	8	
--	9	BS102 ELEV CAB	LIGHTING	20 A	1			0.20	0.15			1	20 A	LIGHTING	BC200	10	
--	11	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	12	--
	13	BC202, BC205, BC217, BR212,...	LIGHTING	20 A	1	0.51	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	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	--
					TOTAL LOAD:	1.60 kVA		0.82 kVA		0.52 kVA							
					TOTAL AMPS:	6 A		3 A		2 A							

TOTAL CONNECTED LOAD: 2.93 kVA
TOTAL CONNECTED AMPS: 6 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 34BLS1 — **LOCATION:** ELEC BM312A — **MOUNTING:** SURFACE — **SUPPLY FROM:**
VOLTS: 480Y/277 V — **PHASES:** 3 — **WIRES:** 4 — **AIC RATING:**
MAINS RATING: 100 A — **MAINS TYPE:** MLO — **MCB RATING:** — **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	A	B	B	C	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	BC318,	LIGHTING	20 A	1	0.74	0.12					1	20 A	LIGHTING	B329, B331	2	
	3	B324, B326,	LIGHTING	20 A	1			0.02	0.42			1	20 A	LIGHTING	BC302,	4	
	5	B315, B317, B317A, B319, B321,	LIGHTING	20 A	1					0.35	0.16	1	20 A	LIGHTING	B300, B302, B304, B306, B308,...	6	
	7	BM312A, BM314,	LIGHTING	20 A	1	0.23	0.20					1	20 A	LIGHTING	BC300, BM300, BM302,	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	BC302, BC305, BR312, BR313,...	LIGHTING	20 A	1	0.50	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	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	--
					TOTAL LOAD:	1.78 kVA		0.43 kVA		0.51 kVA							
					TOTAL AMPS:	6 A		2 A		2 A							

TOTAL CONNECTED LOAD: 2.71 kVA
TOTAL CONNECTED AMPS: 6 A
NOTES:

SWITCHBOARD SCHEDULE

SWITCHBOARD: 14BSB1 — **LOCATION:** ELEC BM120A — **MOUNTING:** FLOOR — **SUPPLY FROM:** UTILITY
VOLTS: 480Y/277 V — **PHASES:** 3 — **WIRES:** 4 — **AIC RATING:** 65,000
MAINS RATING: 3000 A — **MAINS TYPE:** MCB — **MCB RATING:** 3000 A — **MCB OPTIONS:**

O	CKT NO.	CIRCUIT DESCRIPTION	P	FRAME SIZE	TRIP RATING	A	B	C	LOAD	REMARKS
X	1	1TB1/12BSB1	3	500 A	500 A	109.11	110.58	109.89	329.58	TX/SWITCHBOARD
X	2	14ADP1	3	800 A	800 A	114.80	108.80	104.92	328.52	DISTRIBUTION PANELBOARD
	3	14B1	3	100 A	100 A	6.32	6.66	16.53	29.51	PANELBOARD
	4	24B1	3	100 A	100 A	4.77	4.98	4.75	14.50	PANELBOARD
	5	34B1	3	100 A	100 A	4.58	4.90	4.87	14.36	PANELBOARD
	6	ROOF	3	225 A	225 A	49.47	49.47	49.47	148.40	RTAHU-1
	7	B125, ROOF	3	400 A	20 A	1.33	1.33	1.33	3.99	EF-1
	8									
	9									
	10									
	11									
	12									
	13									
	14									
	15									
	16									
	17									
	18									
	19									
	20									
					Total Load:	290.37 kVA	286.72 kVA	291.76 kVA		
					Total Amps:	1050 A	1035 A	1055 A		
								Total Conn. Load:	868.86 kVA	
								Total Amps:	1055 A	

Notes: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 14B1 — **LOCATION:** ELEC BM112A — **MOUNTING:** SURFACE — **SUPPLY FROM:** 14BSB1
VOLTS: 480Y/277 V — **PHASES:** 3 — **WIRES:** 4 — **AIC RATING:** 35,000
MAINS RATING: 100 A — **MAINS TYPE:** MLO — **MCB RATING:** — **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	A	B	B	C	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	BC105, BC117	LIGHTING	20 A	1	0.65	0.71					1	20 A	LIGHTING	B114, BM112	2	
	3	BC118, BS126, BM126	LIGHTING	20 A	1			0.42	0.55			1	20 A	LIGHTING	BR112,3,B125,A, B123B, BC323	4	
	5	BC102, BC117, DISPLAY CASES	LIGHTING	20 A	1					1.11	1.32	1	20 A	LIGHTING	B110, B112	6	
	7	B124, B124A, B126, B126A	LIGHTING	20 A	1	1.61	0.66					1	20 A	LIGHTING	B113	8	
	9	B118, B120, B122	LIGHTING	20 A	1			2.04	1.08			1	20 A	LIGHTING	B109, B111	10	
	11	B119, B117A	LIGHTING	20 A	1					0.40	12.50	1	20 A		RG	12	
	13	B117	LIGHTING	20 A	1	1.09	1.60					1	20 A	LIGHTING	WEST SIDE POLE LIGHTING	14	--
	15	B121	LIGHTING	20 A	1			1.08	1.50			1	20 A	LIGHTING	EAST SIDE POLE LIGHTING	16	--
	17	B115	LIGHTING	20 A	1					1.20	0.00	1	20 A		SPARE	18	--
--	19	SPACE	--	--	--	0.00	0.00					1	20 A		SPARE	20	--
--	21	SPACE	--	--	--			0.00	0.00			1	20 A		SPARE	22	--
--	23	SPACE	--	--	--					0.00	0.00	1	20 A		SPARE	24	--
--	25	SPACE	--	--	--	0.00	0.00					1	20 A		SPARE	26	--
--	27	SPACE	--	--	--			0.00	0.00			1	20 A		SPARE	28	--
--	29	SPACE	--	--	--					0.00	0.00	1	20 A		SPARE	30	--
--	31	SPACE	--	--	--	0.00	0.00					1	20 A		SPARE	32	--
--	33	SPACE	--	--	--			0.00	0.00			1	20 A		SPARE	34	--
--	35	SPACE	--	--	--					0.00	0.00	1	20 A		SPARE	36	--
--	37	SPACE	--	--	--	0.00	0.00					1	20 A		SPARE	38	--
--	39	SPACE	--	--	--			0.00	0.00			1	20 A		SPARE	40	--
--	41	SPACE	--	--	--					0.00	0.00	1	20 A		SPARE	42	--
					TOTAL LOAD:	6.32 kVA		6.66 kVA		16.53 kVA							
					TOTAL AMPS:	23 A		24 A		60 A							

TOTAL CONNECTED LOAD: 29.51 kVA
TOTAL CONNECTED AMPS: 60 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 24B1 — **LOCATION:** ELEC BM212A — **MOUNTING:** SURFACE — **SUPPLY FROM:** 14BSB1
VOLTS: 480Y/277 V — **PHASES:** 3 — **WIRES:** 4 — **AIC RATING:** 35,000
MAINS RATING: 1 A — **MAINS TYPE:** MLO — **MCB RATING:** — **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	A	B	B	C	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	BC217	LIGHTING	20 A	1	0.74	1.32					1	20 A	LIGHTING	B214, B216,	2	
	3	BC217, BC218,	LIGHTING	20 A	1			0.40	0.56			1	20 A	LIGHTING	BC217, BR212, BR213, B212B, B225,	4	
	5	BC202, BC217,	LIGHTING	20 A	1					0.69	1.44	1	20 A	LIGHTING	B210, B212,	6	
	7	B224, B224A, B226, B226A,	LIGHTING	20 A	1	1.63	0.00					1	20 A		SPARE	8	--
	9	B218, B220, B222,	LIGHTING	20 A	1			2.16	0.78			1	20 A	LIGHTING	B213	10	
	11	B217A, B221,	LIGHTING	20 A	1					0.40	1.02	1	20 A	LIGHTING	B207, B211	12	
	13	B217	LIGHTING	20 A	1	1.09	0.00					1	20 A		SPARE	14	--
	15	B219	LIGHTING	20 A	1			1.08	0.00			1	20 A		SPARE	16	--
	17	B215	LIGHTING	20 A	1					1.20	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	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:	4.77 kVA		4.98 kVA		4.75 kVA							
					TOTAL AMPS:	17 A		18 A		17 A							

TOTAL CONNECTED LOAD: 14.50 kVA
TOTAL CONNECTED AMPS: 18 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 34B1 — **LOCATION:** ELEC BM312A — **MOUNTING:** SURFACE — **SUPPLY FROM:** 14BSB1
VOLTS: 480Y/277 V — **PHASES:** 3 — **WIRES:** 4 — **AIC RATING:** 35,000
MAINS RATING: 1 A — **MAINS TYPE:** MLO — **MCB RATING:** — **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	A	B	B	C	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	BC317,	LIGHTING	20 A	1	0.73	1.32					1	20 A	LIGHTING	B314, B316,	2	
	3	BC318,	LIGHTING	20 A	1			0.40	0.60			1	20 A	LIGHTING	BR312, BR313, BC317, B312B, B325,	4	
	5	BC302, BC317,	LIGHTING	20 A	1					0.69	1.44	1	20 A	LIGHTING	B310, B312,	6	
	7	B324, B326	LIGHTING	20 A	1	1.45	0.00					1	20 A		SPARE	8	--
	9	B318, B320, B322	LIGHTING	20 A	1			2.16	0.66			1	20 A	LIGHTING	B313	10	
	11	B317A, B321	LIGHTING	20 A	1					0.40	1.14	1	20 A	LIGHTING	B309, B311	12	
	13	B317	LIGHTING	20 A	1	1.09	0.00					1	20 A		SPARE	14	--
	15	B319	LIGHTING	20 A	1			1.08	0.00			1	20 A		SPARE	16	--
	17	B315	LIGHTING	20 A	1					1.20	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	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:	4.58 kVA		4.90 kVA		4.87 kVA							
					TOTAL AMPS:	17 A		18 A		18 A							

TOTAL CONNECTED LOAD: 14.36 kVA
TOTAL CONNECTED AMPS: 18 A
NOTES:

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Project No. 2018-050.LCH
Project Date 05.05.2020
Produced JTH EAG

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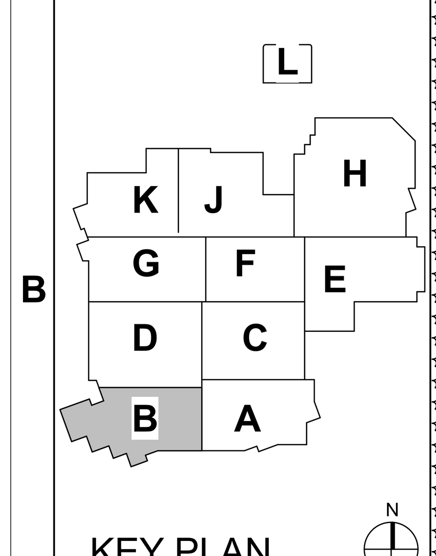
#	Revision	Date
A2	Addendum #2	05.27.2020

7300 E 56th St.
Indianapolis, IN 46226



KEY PLAN

MSD OF LAWRENCE TOWNSHIP

LAWRENCE CENTRAL HIGH SCHOOL RENOVATION

PANELBOARD SCHEDULES

E-615 A2

2018-050.LCH_MSD OF LAWRENCE TOWNSHIP_LAWRENCE CENTRAL HIGH SCHOOL RENOVATION_
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5/27/2020 4:53:19 AM

PANELBOARD SCHEDULE

DESIGNATION: 32B2 | **LOCATION:** ELEC BM312A | **MOUNTING:** SURFACE | **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 1 A | **MAINS TYPE:** MLO | **MCB 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	BC317	RECEPTS	20 A	1	0.72	1.00					1	20 A	EWC	BC317	2	
	3	B325	RECEPTS	20 A	1			0.36	1.00			1	20 A	EWC	BC317	4	
	5	BR312	HAND...	20 A	1					0.00	0.54	1	20 A	RECEPTS	BR313	6	
	7	BR312	HAND...	20 A	1	0.00	0.00					1	20 A	HAND...	BR325	8	
	9	BR313	HAND...	20 A	1			0.00	0.36			1	20 A	RECEPTS	B312B	10	
	11	BR313	HAND...	20 A	1					0.00	0.00	1	20 A	HAND...	B312B	12	
	13	B314	RECEPTS	20 A	1	0.72	0.36					1	20 A	RECEPTS	BC317	14	
	15	B314	RECEPTS	20 A	1			0.72	0.72			1	20 A	RECEPTS	BC317	16	
	17	B314	RECEPTS	20 A	1					0.72	0.72	1	20 A	RECEPTS	BC317	18	
	19	B312	RECEPTS	20 A	1	0.72	0.72					1	20 A	RECEPTS	B313	20	
	21	B312	RECEPTS	20 A	1			0.72	0.72			1	20 A	RECEPTS	B313	22	
	23	B312	RECEPTS	20 A	1					0.72	0.72	1	20 A	RECEPTS	B313	24	
	25	B310	RECEPTS	20 A	1	0.72	0.72					1	20 A	RECEPTS	B311	26	
	27	B310	RECEPTS	20 A	1			0.72	0.72			1	20 A	RECEPTS	B311	28	
	29	B310	RECEPTS	20 A	1					0.72	0.72	1	20 A	RECEPTS	B311	30	
	31	B314 VUV	MOTOR	25 A	2	1.74	0.72					1	20 A	RECEPTS	B309	32	
--	33	--	--	--	--			1.74	0.54			1	20 A	RECEPTS	B309	34	
	35	B312 VUV	MOTOR	25 A	2					1.74	1.74	2	25 A	MOTOR	B310 VUV	36	
--	37	--	--	--	--	1.74	1.74					--	--	--	--	38	--
	39	B313 VUV	MOTOR	25 A	2			1.74	1.74			2	25 A	MOTOR	B311 VUV	40	
--	41	--	--	--	--					1.74	1.74	--	--	--	--	42	--
	43	RG		20 A	1	0.36	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:	11.99 kVA		11.81 kVA		11.83 kVA							
					TOTAL AMPS:	100 A		98 A		99 A							

TOTAL CONNECTED LOAD: 35.62 kVA
TOTAL CONNECTED AMPS: 100 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 32B3 | **LOCATION:** SCIENCE LAB B317 | **MOUNTING:** FLUSH | **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 225 A | **MAINS TYPE:** MLO | **MCB 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	B317	RECEPT	20 A	1	0.72	0.18					1	20 A	RECEPT	B317A	2	
	3	B317	RECEPT	20 A	1			0.54	0.36			1	20 A	RECEPT	B317A	4	
	5	B317	RECEPT	20 A	1					0.36	0.36	1	20 A	RECEPT	B317A	6	
	7	B317	RECEPT	20 A	1	0.36	0.18					1	20 A	RECEPT	B317A	8	
	9	B317	RECEPT	20 A	1			0.18	1.20			1	20 A	RECEPT	B317A	10	
	11	B317	RECEPT	20 A	1					0.18	1.20	1	20 A	RECEPT	B317A	12	
	13	B317	RECEPT	20 A	1	0.18	1.74					2	25 A	MOTOR	B317A VUV	14	
	15	B317	RECEPT	20 A	1			0.18	1.74			--	--	--	--	16	--
	17	B317	RECEPT	20 A	1					0.18	0.00	1	20 A		SPARE	18	--
	19	BC317	COIL DR	20 A	3	1.18	0.00					1	20 A		SPARE	20	--
--	21	--	--	--	--			1.18	0.00			1	20 A		SPARE	22	--
--	23	--	--	--	--					1.18	0.00	1	20 A		SPARE	24	--
	25	BC317	COIL DR	20 A	3	1.18	0.00					1	20 A		SPARE	26	--
--	27	--	--	--	--			1.18	0.00			1	20 A		SPARE	28	--
--	29	--	--	--	--					1.18	0.36	1	20 A	RECEPTS	ROOFTOP	30	
					TOTAL LOAD:	5.72 kVA		6.56 kVA		4.99 kVA							
					TOTAL AMPS:	49 A		56 A		42 A							

TOTAL CONNECTED LOAD: 17.27 kVA
TOTAL CONNECTED AMPS: 56 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 32B4 | **LOCATION:** SCIENCE LAB B319 | **MOUNTING:** FLUSH | **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 225 A | **MAINS TYPE:** MLO | **MCB 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	RG SCIENCE LAB B319		20 A	1	0.72	0.54					1	20 A	RECEPT	B321	2	
	3	RG SCIENCE LAB B319		20 A	1			0.36	0.54			1	20 A	RECEPT	B321	4	
	5	RG SCIENCE LAB B319		20 A	1					0.36	0.72	1	20 A	RECEPT	B315-1	6	
	7	RG SCIENCE LAB B319		20 A	1	0.18	0.36					1	20 A	RECEPT	B315-1	8	
--	9	SPARE		20 A	1			0.00	0.36			1	20 A	RECEPT	B315-1	10	
--	11	SPARE		20 A	1					0.00	0.18	1	20 A	RECEPT	B315-1	12	
	13	RG SCIENCE LAB B319		20 A	1	0.18	0.18					1	20 A	RECEPT	B315-1	14	
	15	RG SCIENCE LAB B319		20 A	1			0.18	0.18			1	20 A	RECEPT	B315-1	16	
	17	RG SCIENCE LAB B319		20 A	1					0.18	0.18	1	20 A	RECEPT	B315-1	18	
	19	RG SCIENCE LAB B319		20 A	1	0.18	0.18					1	20 A	RECEPT	B315-1	20	
	21	B319 VUV	MOTOR	25 A	2			1.74	1.74			2	25 A	MOTOR	B315 VUV	22	
--	23	--	--	--	--					1.74	1.74	--	--	--	--	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	--
					TOTAL LOAD:	2.52 kVA		5.10 kVA		5.10 kVA							
					TOTAL AMPS:	21 A		46 A		46 A							

TOTAL CONNECTED LOAD: 12.73 kVA
TOTAL CONNECTED AMPS: 46 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 32B5 | **LOCATION:** SCIENCE LAB-1 B315-1 | **MOUNTING:** FLUSH | **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 225 A | **MAINS TYPE:** MLO | **MCB 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															2	
	3															4	
	5															6	
	7															8	
	9															10	
	11															12	
	13															14	
	15															16	
	17															18	
	19															20	
	21															22	
	23															24	
	25															26	
	27															28	
	29															30	
					TOTAL LOAD:	0.00 kVA		0.00 kVA		0.00 kVA							
					TOTAL AMPS:	0 A		0 A		0 A							

TOTAL CONNECTED LOAD: 0.00 kVA
TOTAL CONNECTED AMPS: 0 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 32BT | **LOCATION:** IDF BM314 | **MOUNTING:** SURFACE | **SUPPLY FROM:** 32B1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 100 A | **MAINS TYPE:** MLO | **MCB 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	BM314	RECEPTS	20 A	1	0.36	0.72					1	20 A	DATA RK	BM314	2	
	3	BM314	RECEPTS	20 A	1			0.36	0.72			1	20 A	DATA RK	BM314	4	
	5	BM314	RECEPTS	20 A	1					0.36	0.72	1	20 A	DATA RK	BM314	6	
	7	BM314, ROOF	CU/FCU-7	30 A	3	1.32	0.00					1	20 A		SPARE	8	--
--	9	--	--	--	--			1.32	0.00			1	20 A		SPARE	10	--
--	11	--	--	--	--					1.32	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	--
--	19	SPARE		20 A	1	0.00	0.00					--	--	--	SPACE	20	--
--	21	SPARE		20 A	1			0.00	0.00			--	--	--	SPACE	22	--
--	23	SPARE		20 A	1					0.00	0.00	--	--	--	SPACE	24	--
--	25	SPACE	--	--	--	0.00	0.00					--	--	--	SPACE	26	--
--	27	SPACE	--	--	--			0.00	0.00			--	--	--	SPACE	28	--
--	29	SPACE	--	--	--					0.00	0.00	--	--	--	SPACE	30	--
					TOTAL LOAD:	2.40 kVA		2.40 kVA		2.40 kVA							
					TOTAL AMPS:	20 A		20 A		20 A							

TOTAL CONNECTED LOAD: 7.20 kVA
TOTAL CONNECTED AMPS: 20 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 22B3 | **LOCATION:** SCIENCE LAB B217 | **MOUNTING:** FLUSH | **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 225 A | **MAINS TYPE:** MLO | **MCB 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	B217	RECEPTS	20 A	1	0.72	0.18					1	20 A	RECEPTS	B217A	2	
	3	B217	RECEPTS	20 A	1			0.72	0.18			1	20 A	RECEPTS	B217A	4	
	5	B217	RECEPTS	20 A	1					0.54	1.20	1	20 A	RECEPTS	B217A	6	
	7	B217	RECEPTS	20 A	1	0.18	1.20					1	20 A	RECEPTS	B217A	8	
	9	B217	RECEPTS	20 A	1			0.18	0.18			1	20 A	RECEPTS	B217A	10	
	11	B217	RECEPTS	20 A	1					0.18	0.18	1	20 A	RECEPTS	B217A	12	
	13	B217	RECEPTS	20 A	1	0.18	0.18					1	20 A	RECEPTS	B217A	14	
	15	B217	RECEPTS	20 A	1			0.18	0.18			1	20 A	RECEPTS	B217A	16	
	17	B217A FUME HOOD	RECEPTS	20 A	1					0.50	1.18	3	20 A	COIL DR	BC217	18	
	19	B217A FUME HOOD	RECEPTS	20 A	1	0.50	1.18					--	--	--	--	20	--
	21	B217A, ROOF	EF-5	20 A	1			0.86	1.18			--	--	--	--	22	--
	23	B217A	GAS...	20 A	1					1.20	1.18	3	20 A	COIL DR	BC217	24	
--	25	SPARE		20 A	1	0.00	1.18					--	--	--	--	26	--
--	27	SPARE		20 A	1			0.00	1.18			--	--	--	--	28	--
--	29	SPARE		20 A	1					0.00	0.86	1	20 A	EF-3	B217A, ROOF	30	
					TOTAL LOAD:	5.49 kVA		4.83 kVA		7.01 kVA							
					TOTAL AMPS:	47 A		40 A		59 A							

TOTAL CONNECTED LOAD: 17.34 kVA
TOTAL CONNECTED AMPS: 59 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 22B4 | **LOCATION:** SCIENCE LAB B219 | **MOUNTING:** FLUSH | **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 225 A | **MAINS TYPE:** MLO | **MCB 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	B219	RECEPTS	20 A	1	0.72	0.54					1	20 A	RECEPTS	B221	2	
	3	B219	RECEPTS	20 A	1			0.36	0.54			1	20 A	RECEPTS	B221	4	
	5	B219	RECEPTS	20 A	1					0.36	0.72	1	20 A	RECEPTS	B215	6	
	7	B219	RECEPTS	20 A	1	0.18	1.74					2	25 A	MOTOR	B217A VUV	8	
--	9	SPARE		20 A	1			0.00	1.74			--	--	--	--	10	--
	11	B219	RECEPTS	20 A	1					0.18	0.86	1	20 A	EF-4	B217A, ROOF	12	
	13	B219	RECEPTS	20 A	1	0.18	0.50					1	20 A	RECEPTS	B217A FUME HOOD	14	
	15	B219	RECEPTS	20 A	1			0.18								16	
	17	B219	RECEPTS	20 A	1					0.18						18	
	19	B219	RECEPTS	20 A	1	0.18										20	
	21	B219 VUV	MOTOR	25 A	2			1.74	1.74			2	25 A	MOTOR	B215 VUV	22	
--	23	--	--	--	--					1.74	1.74	--	--	--	--	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	--
					TOTAL LOAD:	4.04 kVA		6.31 kVA		5.78 kVA							
					TOTAL AMPS:	34 A		55 A		50 A							

TOTAL CONNECTED LOAD: 16.13 kVA
TOTAL CONNECTED AMPS: 55 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 22B5 | **LOCATION:** SCIENCE LAB-1 B215-1 | **MOUNTING:** FLUSH | **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 225 A | **MAINS TYPE:** MLO | **MCB 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	B215	RECEPTS	20 A	1	0.54	0.00					1	20 A		SPARE	2	--
	3	B215	RECEPTS	20 A	1			0.54	0.00			1	20 A		SPARE	4	--
	5	B215	RECEPTS	20 A	1					0.18	0.00	1	20 A		SPARE	6	--
	7	B215	RECEPTS	20 A	1	0.18	0.00					1	20 A		SPARE	8	--
	9	B215	RECEPTS	20 A	1			0.18	0.00			1	20 A		SPARE	10	--
	11	B215	RECEPTS	20 A	1					0.18	0.00	1	20 A		SPARE	12	--
	13	B215	RECEPTS	20 A	1	0.18	0.00					1	20 A		SPARE	14	--
	15								0.00			1	20 A		SPARE	16	--
	17										0.00	1	20 A		SPARE	18	--
	19						0.00					1	20 A		SPARE	20	--
	21								0.00			1	20 A		SPARE	22	--
	23										0.00	1	20 A		SPARE	24	--
	25						0.00					1	20 A		SPARE	26	--
	27								0.00			1	20 A		SPARE	28	--
	29										0.00	1	20 A		SPARE	30	--
					TOTAL LOAD:	0.90 kVA		0.72 kVA		0.36 kVA							
					TOTAL AMPS:	8 A		6 A		3 A							

TOTAL CONNECTED LOAD: 1.98 kVA
TOTAL CONNECTED AMPS: 8 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 22BT | **LOCATION:** IDF BM214 | **MOUNTING:** SURFACE | **SUPPLY FROM:** 22B1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 100 A | **MAINS TYPE:** MLO | **MCB 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	BM214	RECEPTS	20 A	1	0.36	0.72					1	20 A	DATA RK	BM214	2	
	3	BM214	RECEPTS	20 A	1			0.36	0.72			1	20 A	DATA RK	BM214	4	
	5	BM214	RECEPTS	20 A	1					0.36	0.72	1	20 A	DATA RK	BM214	6	
	7	BM214, ROOF	CU/FCU-5	30 A	3	1.32	0.00					1	20 A		SPARE	8	--
--	9	--	--	--	--			1.32	0.00			1	20 A		SPARE	10	--
--	11	--	--	--	--					1.32	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	--
--	19	SPARE		20 A	1	0.00	0.00					--	--	--	SPACE	20	--
--	21	SPARE		20 A	1			0.00	0.00			--	--	--	SPACE	22	--
--	23	SPARE		20 A	1					0.00	0.00	--	--	--	SPACE	24	--
--	25	SPACE	--	--	--	0.00	0.00					--	--	--	SPACE	26	--
--	27	SPACE	--	--	--			0.00	0.00			--	--	--	SPACE	28	--
--	29	SPACE	--	--	--					0.00	0.00	--	--	--	SPACE	30	--
					TOTAL LOAD:	2.40 kVA		2.40 kVA		2.40 kVA							
					TOTAL AMPS:	20 A		20 A		20 A							

TOTAL CONNECTED LOAD: 7.20 kVA
TOTAL CONNECTED AMPS: 20 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 32B1 | **LOCATION:** ELEC BM312A | **MOUNTING:** SURFACE | **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 225 A | **MAINS TYPE:** MLO | **MCB 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	B326	RECEPTS	20 A	1	0.72	0.54					1	20 A	RECEPTS	BC317	2	
	3	B326	RECEPTS	20 A	1			0.90	0.54			1	20 A	RECEPTS	BC318	4	
	5	B326	RECEPTS	20 A	1					0.90	0.18	1	20 A	RECEPTS	BS326	6	
	7	B324	RECEPTS	20 A	1	0.72	0.50					1	20 A	DOOR HO	BC318	8	
	9	B324	RECEPTS	20 A	1			1.08	0.36			1	20 A	RECEPTS	BC317	10	
	11	B324A	RECEPTS	20 A	1					0.90	0.36	1	20 A	RECEPTS	BC317	12	
	13	B322	RECEPTS	20 A	1	0.72	0.36					1	20 A	RECEPTS	COIL DOOR COUNTER	14	
	15	B322	RECEPTS	20 A	1			0.72	0.36			1	20 A	RECEPTS	COIL DOOR COUNTER	16	
	17	B322	RECEPTS	20 A	1					0.72	0.00	1	20 A		SPARE	18	--
	19	B320	RECEPTS	20 A	1	0.72	0.72					1	20 A	RECEPTS	B316	20	
	21	B320	RECEPTS	20 A	1			0.72	0.00			1	20 A		SPARE	22	--
	23	B320	RECEPTS	20 A	1					0.72	0.90	1	20 A	RECEPTS	B316	24	
	25	B318	RECEPTS	20 A	1	0.72	0.72					1	20 A	RECEPTS	B316	26	
	27	B318	RECEPTS	20 A	1			0.72	1.74			2	25 A	MOTOR	B326 VUV	28	
	29	B318	RECEPTS	20 A	1					0.72	1.74	--	--	--	--	30	--
	31	B324 VUV	MOTOR	25 A	2	1.74	1.74					2	25 A	MOTOR	B322 VUV	32	
--	33	--	--	--	--			1.74	1.74			--	--	--	--	34	--
	35	B320 VUV	MOTOR	25 A	2					1.74	1.74	2	25 A	MOTOR	B318 VUV	36	
--	37	--	--	--	--	1.74	1.74					--	--	--	--	38	--
	39	B316 VUV	MOTOR	25 A	2			1.74	0.00			1	20 A		SPARE	40	--
--	41	--	--	--	--					1.74	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	32BT	PANEL	60 A	3	2.40	0.00					1	20 A		SPARE	50	--
--	51	--	--	--	--			2.40	0.00			1	20 A		SPARE	52	--
--	53	--	--	--	--					2.40	0.00	1	20 A		SPARE	54	--
					TOTAL LOAD:	15.81 kVA		14.77 kVA		14.77 kVA							
					TOTAL AMPS:	132 A		123 A		123 A							

TOTAL CONNECTED LOAD: 45.35 kVA
TOTAL CONNECTED AMPS: 132 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 12B4 | **LOCATION:** SCIENCE LAB B121 | **MOUNTING:** FLUSH | **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 225 A | **MAINS TYPE:** MLO | **MCB 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	B121	RECEPTS	20 A	1	0.72	0.54					1	20 A	RECEPTS	B119	2	
	3	B121	RECEPTS	20 A	1			0.36	0.54			1	20 A	RECEPTS	B119	4	
	5	B121	RECEPTS	20 A	1					0.36						6	
	7	B121	RECEPTS	20 A	1	0.36										8	
--	9	SPARE		20 A	1			0.00								10	
	11	B121	RECEPTS	20 A	1					0.18						12	
	13	B121	RECEPTS	20 A	1	0.18										14	
	15	B121	RECEPTS	20 A	1			0.18								16	
	17	B121	RECEPTS	20 A	1					0.18	0.00	1	20 A		SPARE	18	--
	19	B121	RECEPTS	20 A	1	0.18	1.74					2	25 A	MOTOR	B121 VUV	20	
	21								1.74			--	--	--	--	22	--
	23										0.00	1	20 A		SPARE	24	--
--	25	SPACE	--	--	--	0.00	0.00					1	20 A		SPARE	26	--
--	27	SPACE	--	--	--			0.00	0.00			1	20 A		SPARE	28	--
--	29	SPACE	--	--	--					0.00	0.00	1	20 A		SPARE	30	--
					TOTAL LOAD:	3.72 kVA		2.82 kVA		0.72 kVA							
					TOTAL AMPS:	34 A		26 A		6 A							

TOTAL CONNECTED LOAD: 7.26 kVA
TOTAL CONNECTED AMPS: 34 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 12B5 | **LOCATION:** SCIENCE LAB B115 | **MOUNTING:** FLUSH | **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 225 A | **MAINS TYPE:** MLO | **MCB 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	B115	RECEPTS	20 A	1	0.72	0.18					1	20 A	RECEPTS	B115	2	
	3	B115	RECEPTS	20 A	1			0.54	0.18			1	20 A	RECEPTS	B115	4	
	5	B115	RECEPTS	20 A	1					0.54	0.18	1	20 A	RECEPTS	B115	6	
	7															8	
	9															10	
	11															12	
	13															14	
	15															16	
	17															18	
	19															20	
	21															22	
	23															24	
	25															26	
	27								1.74			2	25 A	MOTOR	B115 VUV	28	
	29										1.74	--	--	--	--	30	--
					TOTAL LOAD:	0.90 kVA		2.46 kVA		2.46 kVA							
					TOTAL AMPS:	8 A		23 A		23 A							

TOTAL CONNECTED LOAD: 5.82 kVA
TOTAL CONNECTED AMPS: 23 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 12BT | **LOCATION:** IDF BM114 | **MOUNTING:** SURFACE | **SUPPLY FROM:** 12B1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 100 A | **MAINS TYPE:** MLO | **MCB 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	B112B	RECEPTS	20 A	1	0.36	0.72					1	20 A	D RACK	B112B	2	
	3	B112B	RECEPTS	20 A	1			0.36	0.72			1	20 A	D RACK	B112B	4	
	5	B112B	RECEPTS	20 A	1					0.36	0.72	1	20 A	D RACK	B112B	6	
	7	BM114, ROOF	CU/FCU-4	30 A	3	1.32	0.00					1	20 A		SPARE	8	--
--	9	--	--	--	--			1.32	0.00			1	20 A		SPARE	10	--
--	11	--	--	--	--					1.32	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	--
--	19	SPARE		20 A	1	0.00	0.00					--	--	--	SPACE	20	--
--	21	SPARE		20 A	1			0.00	0.00			--	--	--	SPACE	22	--
--	23	SPARE		20 A	1					0.00	0.00	--	--	--	SPACE	24	--
--	25	SPACE	--	--	--	0.00	0.00					--	--	--	SPACE	26	--
--	27	SPACE	--	--	--			0.00	0.00			--	--	--	SPACE	28	--
--	29	SPACE	--	--	--					0.00	0.00	--	--	--	SPACE	30	--
					TOTAL LOAD:	2.40 kVA		2.40 kVA		2.40 kVA							
					TOTAL AMPS:	20 A		20 A		20 A							

TOTAL CONNECTED LOAD: 7.20 kVA
TOTAL CONNECTED AMPS: 20 A
NOTES: PROVIDE NEW PANELBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 22B1 | **LOCATION:** ELEC BM212A | **MOUNTING:** SURFACE | **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 225 A | **MAINS TYPE:** MLO | **MCB 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	B226A	RECEPTS	20 A	1	0.72	0.54					1	20 A	RECEPTS	BC217	2	
	3	B226	RECEPTS	20 A	1			0.36	0.54			1	20 A	RECEPTS	BC218	4	
	5	B226	RECEPTS	20 A	1					0.72	0.18	1	20 A	RECEPTS	BS126	6	
	7	B226	RECEPTS	20 A	1	0.36	0.50					1	20 A	DOOR HO	BC218	8	
	9	B224	RECEPTS	20 A	1			0.72	0.18			1	20 A	RECEPTS	BC217	10	
	11	B224	RECEPTS	20 A	1					0.72	0.54	1	20 A	RECEPTS	BC217	12	
	13	B224	RECEPTS	20 A	1	0.36	0.36					1	20 A	RECEPTS	BC117 COUNTERTOP	14	
	15	B224	RECEPTS	20 A	1			0.36	0.36			1	20 A	RECEPTS	BC117 COUNTERTOP	16	
	17	B224	RECEPTS	20 A	1					0.36	0.72	1	20 A	RECEPTS	B216	18	
	19	B222	RECEPTS	20 A	1	0.72	0.72					1	20 A	RECEPTS	B216	20	
	21	B222	RECEPTS	20 A	1			0.72	0.72			1	20 A	RECEPTS	B216	22	
	23	B222	RECEPTS	20 A	1					0.72	1.74	2	25 A	MOTOR	B226 VUV	24	
	25	B220	RECEPTS	20 A	1	0.72	1.74					--	--	--	--	26	--
	27	B220	RECEPTS	20 A	1			0.72	1.74			2	25 A	MOTOR	B224 VUV	28	
	29	B220	RECEPTS	20 A	1					0.72	1.74	--	--	--	--	30	--
	31	B218	RECEPTS	20 A	1	0.72	1.74					2	25 A		B222 VUV	32	
	33	B218	RECEPTS	20 A	1			0.72	1.74			--	--	--	--	34	--
	35	B218	RECEPTS	20 A	1					0.72	1.74	2	25 A	MOTOR	B220 VUV	36	
	37	B218 VUV	MOTOR	25 A	2	1.74	1.74					--	--	--	--	38	--
--	39	--	--	--	--			1.74	1.74			2	25 A	MOTOR	B216 VUV	40	
--	41	SPARE		20 A	1					0.00	1.74	--	--	--	--	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	22BT	PANEL	60 A	3	2.40	0.00					1	20 A		SPARE	50	--
--	51	--	--	--	--			2.40	0.00			1	20 A		SPARE	52	--
--	53	--	--	--	--					2.40	0.00	1	20 A		SPARE	54	--
					TOTAL LOAD:	15.09 kVA		14.77 kVA		14.77 kVA							
					TOTAL AMPS:	126 A		123 A		123 A							

TOTAL CONNECTED LOAD: 44.63 kVA
TOTAL CONNECTED AMPS: 126 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 22B2 | **LOCATION:** ELEC BM212A | **MOUNTING:** SURFACE | **SUPPLY FROM:** 12BSB1
VOLTS: 208Y/120 V | **PHASES:** 3 | **WIRES:** 4 | **AIC RATING:** 10,000
MAINS RATING: 1 A | **MAINS TYPE:** MLO | **MCB 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	BC217	RECEPTS	20 A	1	0.36	1.00					1	20 A	EWC	BC217	2	
	3	BC205	RECEPTS	20 A	1			0.72	1.00			1	20 A	EWC	BC217	4	
	5	BR212	HAND...	20 A	1					0.00	0.54	1	20 A	RECEPTS	BR213	6	
	7	BR212	HAND...	20 A	1	0.00	0.00					1	20 A	RECEPTS	BR225	8	
	9	BR213	HAND...	20 A	1			0.00	0.36			1	20 A	RECEPTS	B212B	10	
	11	BR213	HAND...	20 A	1					0.00	0.00	1	20 A	VAV...	B212B	12	
	13	B214	RECEPTS	20 A	1	0.72	0.36					1	20 A	RECEPTS	BC217	14	
	15	B214	RECEPTS	20 A	1			0.72	0.72			1	20 A	RECEPTS	BC217	16	
	17	B214	RECEPTS	20 A	1					0.72	0.72	1	20 A	RECEPTS	BC217	18	
	19	B212	RECEPTS	20 A	1	0.72	0.72					1	20 A	RECEPTS	B213	20	
	21	B212	RECEPTS	20 A	1			0.72	0.72			1	20 A	RECEPTS	B213	22	
	23	B212	RECEPTS	20 A	1					0.72	0.72	1	20 A	RECEPTS	B213	24	
	25	B210	RECEPTS	20 A	1	0.72	0.72					1	20 A	RECEPTS	B211	26	
	27	B210	RECEPTS	20 A	1			0.72	0.72			1	20 A	RECEPTS	B211	28	
	29	B210	RECEPTS	20 A	1					0.72	0.72	1	20 A	RECEPTS	B211	30	
	31	B214 VUV	MOTOR	25 A	2	1.74	0.72					1	20 A	RECEPTS	B209	32	
--	33	--	--	--	--			1.74	0.54			1	20 A	RECEPTS	B209	34	
	35	B212 VUV	MOTOR	25 A	2					1.74	1.74	2	25 A	MOTOR	B210 VUV	36	
--	37	--	--	--	--	1.74	1.74					--	--	--	--	38	--
	39	B213 VUV	MOTOR	25 A	2			1.74	1.74			2	25 A	MOTOR	B211 VUV	40	
--	41	--	--	--	--					1.74	1.74	--	--	--	--	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:	11.27 kVA		12.17 kVA		11.83 kVA							
					TOTAL AMPS:	94 A		102 A		99 A							

TOTAL CONNECTED LOAD: 35.26 kVA
TOTAL CONNECTED AMPS: 102 A
NOTES:

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www.schmidt-arch.com

Project No. 2018-050.LCH
Project Date 05.05.2020
Produced JTH EAG

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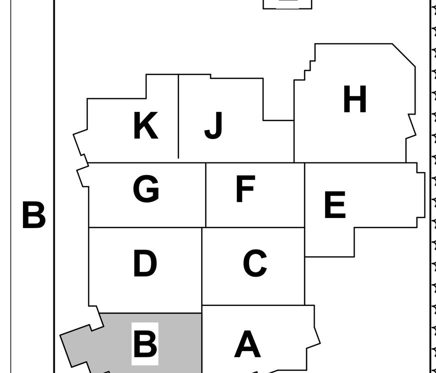
#	Revision	Date
A2	Addendum #2	05.27.2020

7300 E 56th St.
Indianapolis, IN 46226

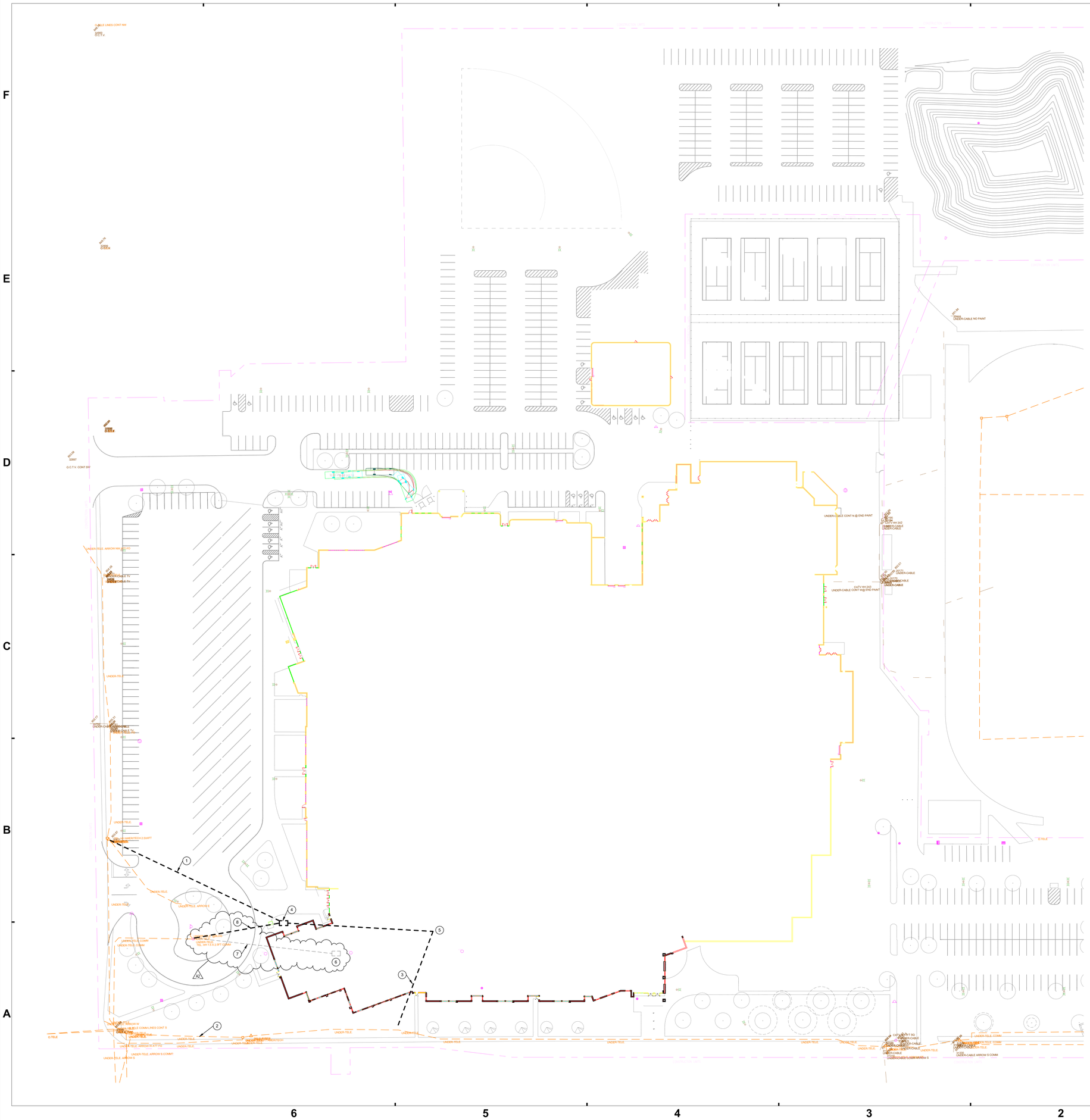


KEY PLAN

MSD OF LAWRENCE TOWNSHIP
LAWRENCE CENTRAL HIGH SCHOOL RENOVATION

PANELBOARD SCHEDULES

E-616 A2



1 Site Plan
1" = 40'-0"

TELECOMMUNICATIONS SITE PLAN NOTES

#	NOTES
1	PROVIDE UNDERGROUND 4" PVC CONDUIT FROM TELEPHONE POLE TO FUTURE IDF ROOM (BM114). SEE SHEET TF1B1 FOR STUB UP LOCATION.
2	EXISTING UNDERGROUND FIBER.
3	PROVIDE UNDERGROUND 2" PVC CONDUIT FROM IDF (BM114) TO FUTURE SIGN LOCATION.
4	PROVIDE TELECOMMUNICATIONS MAINTENANCE HOLD AS SPECIFIED.
5	APPROXIMATE LOCATION OF IDF (BM114). SEE SHEET TF1B1.
6	EXISTING LOCATION OF TELECOMMUNICATIONS MAINTENANCE HOLE TO BE REMOVED.
7	EXISTING TELECOMMUNICATIONS CONDUIT TO BE REMOVED.
8	PROVIDE NEW 4" PVC CONDUIT FROM EXISTING TO NEW MAINTENANCE HOLE.

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Project No. 2018-050.LCH
Project Date 05.05.2020
Produced MD, JB

SARAH KATHLEEN HEMPSTEAD REGISTERED No. AR10400134 STATE OF INDIANA ARCHITECT

Sarah K Hempstead

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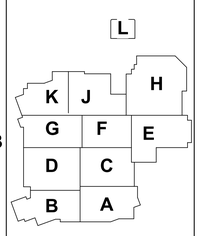
#	Revision	Date
1	ADDENDUM #2	5.28.2020

7300 E 56TH ST.
INDIANAPOLIS, IN 46226



KEY PLAN

MSD OF LAWRENCE TOWNSHIP

ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL

TELECOMMUNICATAIONS SITE PLAN

TS101