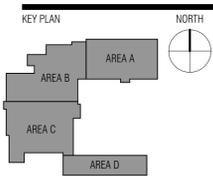


**PARTNERS in Architecture, PLC**  
 65 Market Street  
 Mount Clemens, MI 48043  
 P 586.469.3600  
 F 586.469.3607

Statement of Intellectual Property  
 The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, PLC, 65 Market Street, Mount Clemens, MI, 48043 (P586.469.3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, PLC. This information is protected under U.S. Copyright Law, all rights reserved.

© Copyright 2024  
**THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW, SPECIFICALLY FOR CONSTRUCTION.**

CONSULTANT



OWNER  
**Charter Township of Northville**

PROJECT NAME  
**Essential Services Complex - Police & Fire Departments**

40911 7 Mile Road  
 Northville, MI 48168

PROJECT NO.  
**22-146A**

ISSUES / REVISIONS

BP1 - Foundations Only	12/20/2023
BP2 - Bidding / Permitting	1/18/2024
BP2- Addendum 1	1/26/2024
BP2- Construction	3/18/2024
ASI 1	4/16/2024

DRAWN BY  
 NPR

CHECKED BY  
 LAL / NPR

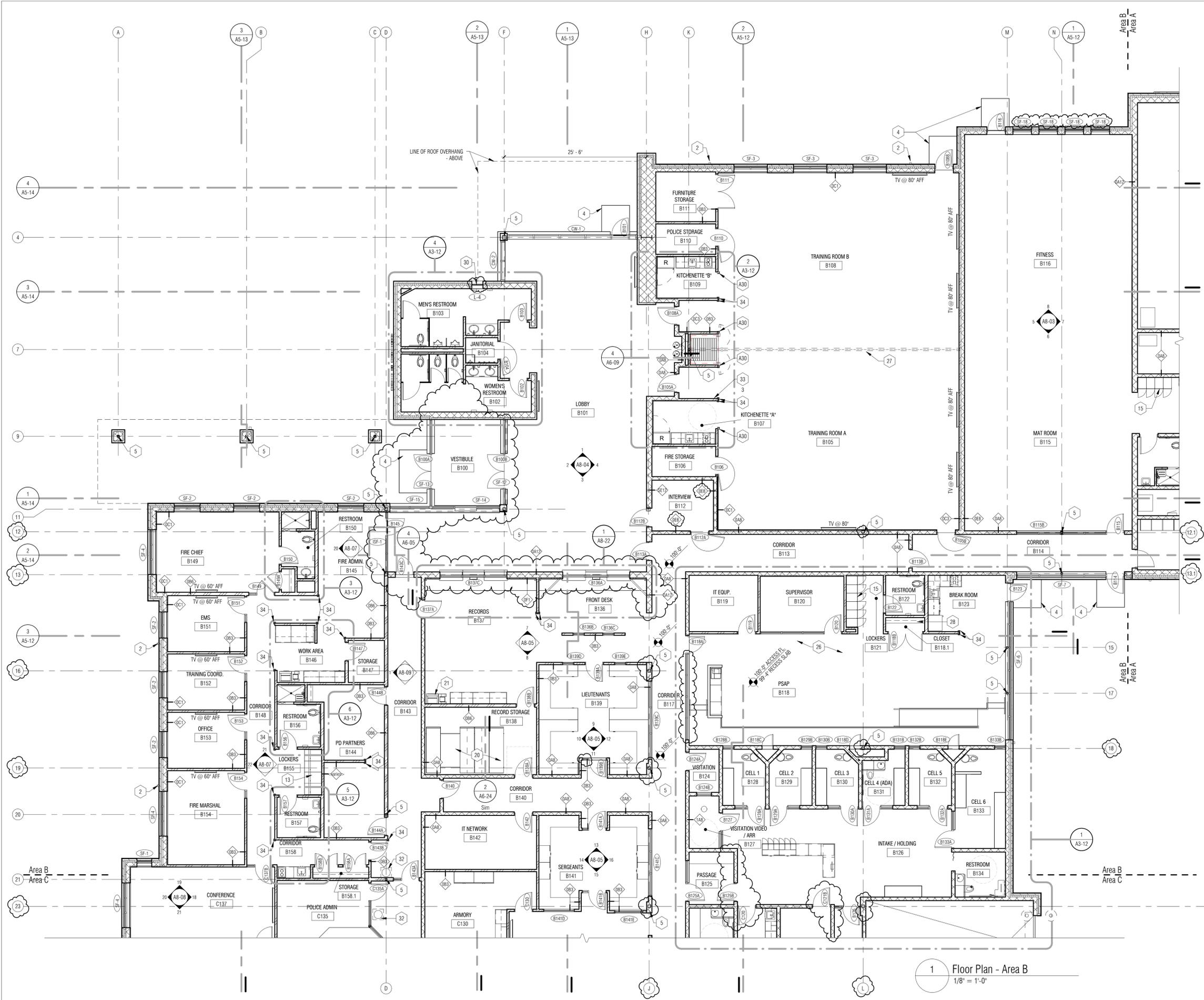
APPROVED BY  
 DWG

SHEET NAME  
**COMPOSITE PLAN**

**1 Composite Floor Plan**  
 1/16" = 1'-0"

SHEET NO.  
**A3-00**





**FLOOR PLAN GENERAL NOTES**

- A. DO NOT SCALE DRAWINGS. USE DIMENSIONS PROVIDED. IF A CONFLICT IS ENCOUNTERED OR REQUIRED DIMENSION IS NOT PROVIDED, REQUEST A CLARIFICATION FROM THE ARCHITECT.
- B. ALL PLAN DIMENSIONS ARE NOMINAL TO THE FACE OF WALLS. REFER TO WALL TYPES ON A0-05 FOR ACTUAL WALL THICKNESSES WHERE NOT NOTED ON PLANS.
- C. COORDINATE SIZE AND LOCATION OF ALL DUCT, SHAFT, AND LOUVER OPENINGS IN WALLS WITH MECHANICAL.
- D. ALL EXPOSED CORNERS OF CONCRETE MASONRY UNITS ARE TO BE BULLNOSED.
- E. REQUIRED FIRE RATED PARTITIONS, FLOORS, AND CEILINGS ARE INDICATED ON SHEET A0-04, LIFE SAFETY PLAN, AS WELL AS FIRE EXTINGUISHER & CABINET LOCATIONS.
- F. FOR DOORS IN STUD WALL CONSTRUCTION, PROVIDE 3" MINIMUM FROM SIDE WALL TO JAMB, UNLESS NOTED OTHERWISE.

**FLOOR PLAN KEYNOTES - AREAS B & C**

- 1 BOLLARD - REFER TO DETAIL 1/A6-24
- 2 DOWNSPOUT
- 3 ROOF CONDUCTOR - REFER TO MECH.
- 4 FROST SLAB - REFER TO STRUCT.
- 5 COLUMN - REFER TO STRUCT.
- 6 LINEAR TRENCH DRAIN - REFER TO MECH. SLOPE COND FLOOR SLAB TO TOP OF DRAIN ELEV.
- 7 WALL MTD ELEC WATER COOLER W/ CONCEALED SUPPORT SYSTEM - REFER TO MECH/ELEC.
- 8 RECESSED FOLD-OUT EYEWASH - REFER TO MECH.
- 9 CONCRETE BENCH - REFER TO DETAIL 1 & 2/A6-25
- 10 DETENTION FURNITURE - FLOOR MOUNTED STEEL AS SPECIFIED
- 11 MOP SINK - REFER TO MECH. PROVIDE FRP WALL PANELING UP TO 48" A.F.F.
- 12 METAL EVIDENCE LOCKERS TYPE 4 W/ REFRIGERATOR - REFER TO ELEC.
- 13 METAL GEAR LOCKERS - TYPE 3
- 14 UNDER-COUNTER LOCKERS TYPE 2 - REFER TO CASEWORK DETAIL
- 15 METAL LOCKERS - TYPE 1
- 16 METAL GUN LOCKERS - TYPE 5
- 17 COFFEE MAKER BY OWNER. PROVIDE WATER CONNECTION - REFER TO MECH.
- 18 PROVIDE GAS CONNECTION FOR GRILL BY OWNER - REFER TO MECH.
- 20 EXISTING HIGH-DENSITY STORAGE SYSTEM TO BE DISASSEMBLED AND REINSTALLED - COORD W/ OWNER. PROVIDE NEW RAILS RECESSED IN SLAB.
- 21 COMPUTER / PRINTER EQUIPMENT BY OWNER
- 23 EXISTING FUME HOOD TO BE RELOCATED - REFER TO MECH.
- 24 EXISTING DRYING CABINET TO BE RELOCATED - REFER TO ELEC.
- 25 FLOOR MOUNTED STOOL/TABLE/CHAIR AS SPECIFIED
- 26 ACCESS FLOOR FINISHED FLUSH TO SLAB. ON RECESSED CONCRETE SLAB, REFER TO A9-11
- 27 FOLDING ACOUSTICAL PARTITION, ELECTRIC MOTOR OPERATION
- 28 CLOSET SHELF & ROD
- 29 BUILDING EXPANSION JOINT
- 30 LOUVER
- 31 PROVIDE 4" HOUSEKEEPING PAD - REFER TO MECH.
- 32 POLICE GLOBE LIGHT FIXTURE, FLOOR MOUNTED
- 33 SIGNAGE AS SCHEDULED
- 34 CORNER GUARD - REFER TO SPECIFICATION
- 35A BARRIER FREE SHOWER CURB
- 35B NON-BARRIER FREE SHOWER CURB

**PARTNERS**

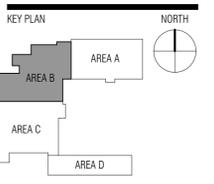


**PARTNERS in Architecture, PLC**  
 65 Market Street  
 Mount Clemens, MI 48043  
 P 586.469.3600  
 F 586.469.3607

Statement of Intellectual Property  
 The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, P.L.C. 65 Market Street, Mount Clemens, MI, 48043 (P586-469-3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, P.L.C. This information is protected under U.S. Copyright Law, all rights reserved.  
 © Copyright 2024

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW, SPECIFICALLY FOR "CONSTRUCTION".

CONSULTANT



**OWNER**  
 Charter Township of Northville

**PROJECT NAME**  
 Essential Services Complex - Police & Fire Departments

40911 7 Mile Road  
 Northville, MI 48168

**PROJECT NO.**  
 22-146A

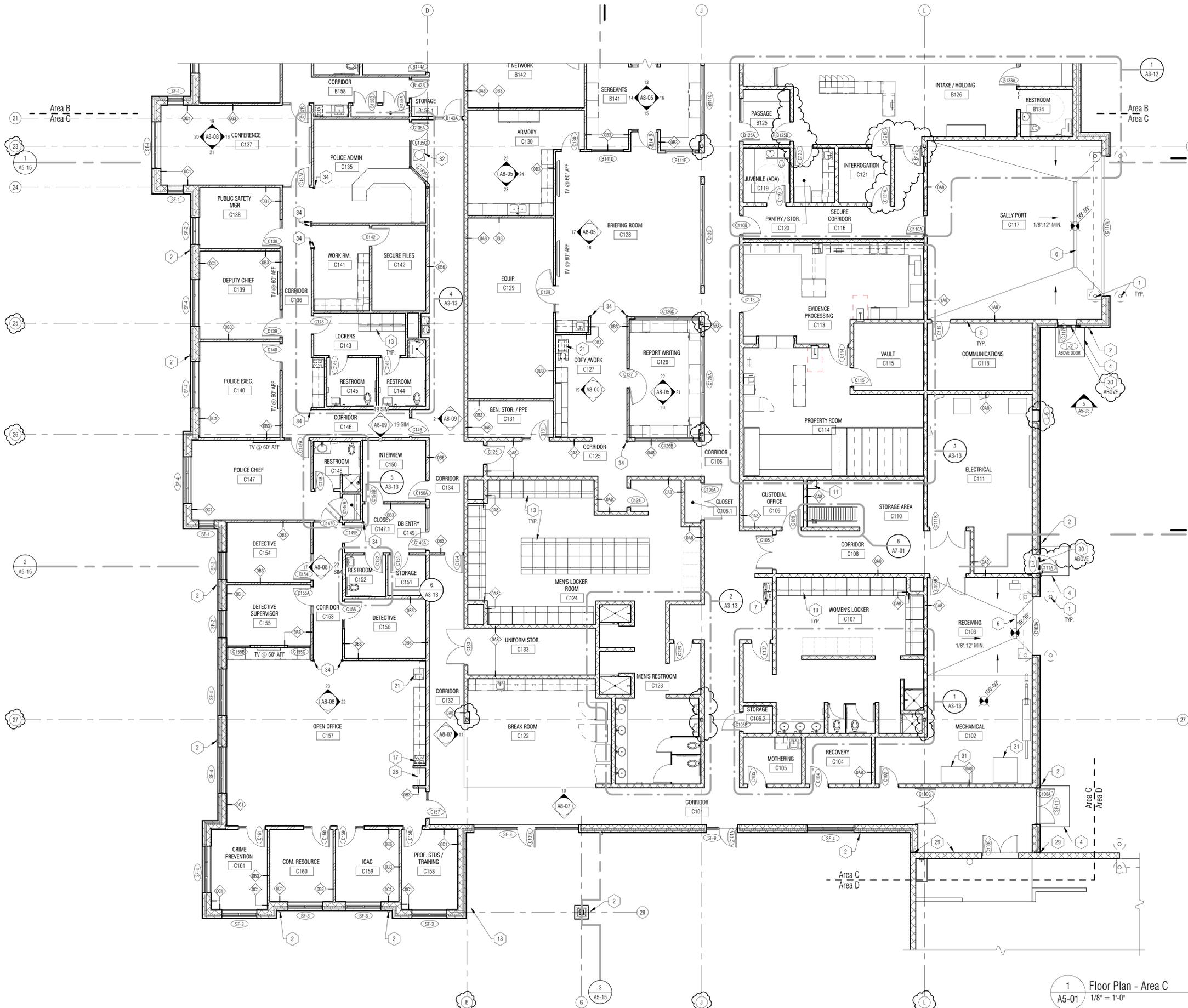
**ISSUES / REVISIONS**

NO.	DESCRIPTION	DATE
BP1	Foundations Only	12/20/2023
BP2	Bidding / Permitting	1/18/2024
BP2- Addendum 1		1/26/2024
BP2- Construction		3/18/2024
BP2- Const. Addendum		4/5/2024

**DRAWN BY**  
 KJP / NPR  
**CHECKED BY**  
 LAL / NPR  
**APPROVED BY**  
 DWG  
**SHEET NAME**  
 FLOOR PLAN - AREA B

**SHEET NO.**  
 A3-02

**1 Floor Plan - Area B**  
 1/8" = 1'-0"



1 Floor Plan - Area C  
1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES

- A. DO NOT SCALE DRAWINGS. USE DIMENSIONS PROVIDED. IF A CONFLICT IS ENCOUNTERED OR REQUIRED DIMENSION IS NOT PROVIDED, REQUEST A CLARIFICATION FROM THE ARCHITECT.
- B. ALL PLAN DIMENSIONS ARE NOMINAL TO THE FACE OF WALLS. REFER TO WALL TYPES ON A0-05 FOR ACTUAL WALL THICKNESSES WHERE NOT NOTED ON PLANS.
- C. COORDINATE SIZE AND LOCATION OF ALL DUCT, SHAFT, AND LOUVER OPENINGS IN WALLS WITH MECHANICAL.
- D. ALL EXPOSED CORNERS OF CONCRETE MASONRY UNITS ARE TO BE BULLNOSED.
- E. REQUIRED FIRE RATED PARTITIONS, FLOORS, AND CEILINGS ARE INDICATED ON SHEET A0-04. LIFE SAFETY PLAN, AS WELL AS FIRE EXTINGUISHER & CABINET LOCATIONS.
- F. FOR DOORS IN STUD WALL CONSTRUCTION, PROVIDE 3" MINIMUM FROM SIDE WALL TO JAMB, UNLESS NOTED OTHERWISE.

FLOOR PLAN KEYNOTES - AREAS B & C

- 1 BOLLARD - REFER TO DETAIL 1/A6-24
- 2 DOWNSPOUT
- 3 ROOF CONDUCTOR - REFER TO MECH.
- 4 FROST SLAB - REFER TO STRUCT.
- 5 COLUMN - REFER TO STRUCT.
- 6 LINEAR TRENCH DRAIN - REFER TO MECH. SLOPE COND FLOOR SLAB TO TOP OF DRAIN ELEV.
- 7 WALL MTD ELEC WATER COOLER W/ CONCEALED SUPPORT SYSTEM - REFER TO MECH/ELEC.
- 8 RECESSED FOLD-OUT EYEWASH - REFER TO MECH.
- 9 CONCRETE BENCH - REFER TO DETAIL 1 & 2/A6-25
- 10 DETENTION FURNITURE - FLOOR MOUNTED STEEL AS SPECIFIED
- 11 MOP SINK - REFER TO MECH. PROVIDE FRP WALL PANELING UP TO 48" A.F.F.
- 12 METAL EVIDENCE LOCKERS TYPE 4 W/ REFRIGERATOR - REFER TO ELEC.
- 13 METAL GEAR LOCKERS - TYPE 3
- 14 UNDER-COUNTER LOCKERS TYPE 2 - REFER TO CASEWORK DETAIL
- 15 METAL LOCKERS - TYPE 1
- 16 METAL GUN LOCKERS - TYPE 5
- 17 COFFEE MAKER BY OWNER. PROVIDE WATER CONNECTION - REFER TO MECH.
- 18 PROVIDE GAS CONNECTION FOR GRILL BY OWNER - REFER TO MECH.
- 20 EXISTING HIGH-DENSITY STORAGE SYSTEM TO BE DISASSEMBLED AND REINSTALLED - COORD W/ OWNER. PROVIDE NEW RAILS RECESSED IN SLAB.
- 21 COMPUTER / PRINTER EQUIPMENT BY OWNER
- 23 EXISTING FUME HOOD TO BE RELOCATED - REFER TO MECH.
- 24 EXISTING DRYING CABINET TO BE RELOCATED - REFER TO ELEC.
- 25 FLOOR MOUNTED STOOL/ TABLE/ CHAIR AS SPECIFIED
- 26 ACCESS FLOOR FINISHED FLUSH TO SLAB. ON RECESSED CONCRETE SLAB, REFER TO A9-11
- 27 FOLDING ACOUSTICAL PARTITION, ELECTRIC MOTOR OPERATION
- 28 CLOSET SHELF & ROD
- 29 BUILDING EXPANSION JOINT
- 30 LOUVER
- 31 PROVIDE 4" HOUSEKEEPING PAD - REFER TO MECH.
- 32 POLICE GLOBE LIGHT FIXTURE, FLOOR MOUNTED
- 33 SIGNAGE AS SCHEDULED
- 34 CORNER GUARD - REFER TO SPECIFICATION
- 35A BARRIER FREE SHOWER CURB
- 35B NON-BARRIER FREE SHOWER CURB

PARTNERS

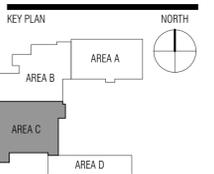


PARTNERS in Architecture, PLC  
65 Market Street  
Mount Clemens, MI 48043  
P 586.469.3600  
F 586.469.3607

Statement of Intellectual Property  
The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, PLC, 65 Market Street, Mount Clemens, MI, 48043 (P586-469-3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, PLC. This information is protected under U.S. Copyright Law, all rights reserved.

© Copyright 2024  
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW, SPECIFICALLY FOR "CONSTRUCTION".

CONSULTANT



OWNER  
Charter Township of Northville

PROJECT NAME  
Essential Services Complex - Police & Fire Departments

40911 7 Mile Road  
Northville, MI 48168

PROJECT NO.  
22-146A

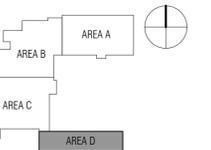
ISSUES / REVISIONS

NO.	DESCRIPTION	DATE
BP1	Foundations Only	12/20/2023
BP2	Bidding / Permitting	1/18/2024
BP2- Addendum 1		1/26/2024
BP2- Construction		3/18/2024
BP2- Const. Addendum		4/5/2024

DRAWN BY  
KJP / NPR  
CHECKED BY  
LAL / NPR  
APPROVED BY  
DWG  
SHEET NAME

FLOOR PLAN - AREA C

SHEET NO.  
A3-03



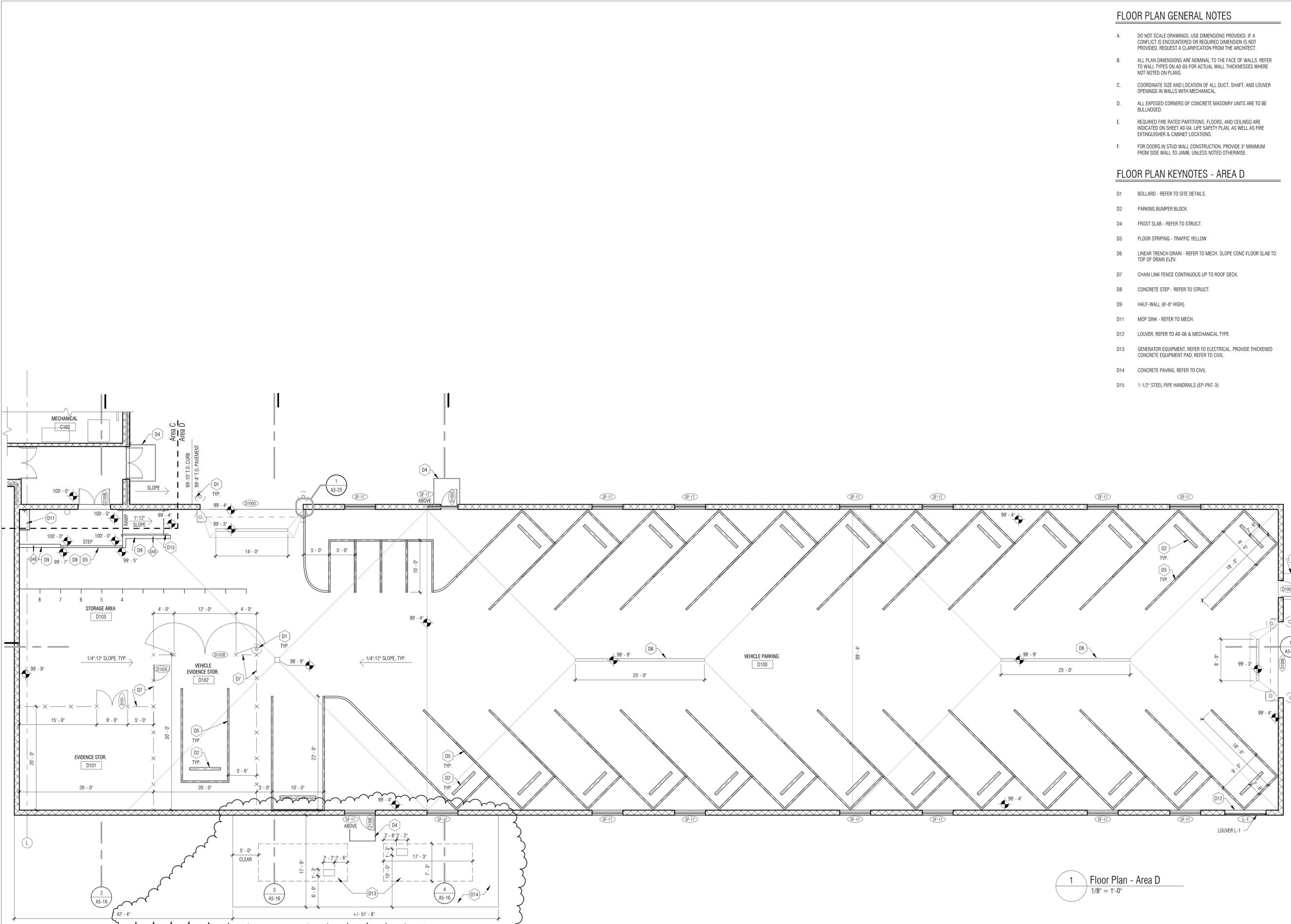
BP1 - Foundations Only	12/20/2023
BP2 - Bidding / Permitting	1/18/2024
BP2 - Construction	3/18/2024
BP2 - Const. Addendum	4/5/2024
CCD 2	5/2/2024

FLOOR PLAN GENERAL NOTES

- A. DO NOT SCALE DRAWINGS. USE DIMENSIONS PROVIDED. IF A CONFLICT IS ENCOUNTERED OR REQUIRED DIMENSION IS NOT PROVIDED, REQUEST A CLARIFICATION FROM THE ARCHITECT.
- B. ALL PLAN DIMENSIONS ARE NOMINAL TO THE FACE OF WALLS. REFER TO WALL TYPES ON A0-05 FOR ACTUAL WALL THICKNESSES WHERE NOT NOTED ON PLANS.
- C. COORDINATE SIZE AND LOCATION OF ALL DUCT, SHAFT, AND LOUVER OPENINGS IN WALLS WITH MECHANICAL.
- D. ALL EXPOSED CORNERS OF CONCRETE MASONRY UNITS ARE TO BE BULLNOSED.
- E. REQUIRED FIRE RATED PARTITIONS, FLOORS, AND CEILINGS ARE INDICATED ON SHEET A0-04, LIFE SAFETY PLAN, AS WELL AS FIRE EXTINGUISHER & CABINET LOCATIONS.
- F. FOR DOORS IN STUD WALL CONSTRUCTION, PROVIDE 3" MINIMUM FROM SIDE WALL TO JAMB, UNLESS NOTED OTHERWISE.

FLOOR PLAN KEYNOTES - AREA D

- D1 BOLLARD - REFER TO SITE DETAILS.
- D2 PARKING BUMPER BLOCK.
- D4 FROST SLAB - REFER TO STRUCT.
- D5 FLOOR STRIPING - TRAFFIC YELLOW
- D6 LINEAR TRENCH DRAIN - REFER TO MECH. SLOPE CONC FLOOR SLAB TO TOP OF DRAIN ELEV.
- D7 CHAIN LINK FENCE CONTINUOUS UP TO ROOF DECK.
- D8 CONCRETE STEP - REFER TO STRUCT.
- D9 HALF-WALL (6'-0" HIGH).
- D11 MOP SINK - REFER TO MECH.
- D12 LOUVER, REFER TO A0-06 & MECHANICAL TYPE
- D13 GENERATOR EQUIPMENT, REFER TO ELECTRICAL. PROVIDE THICKENED CONCRETE EQUIPMENT PAD, REFER TO CIVIL.
- D14 CONCRETE PAVING, REFER TO CIVIL
- D15 1-1/2" STEEL PIPE HANDRAILS (EP-PNT-3)



1 Floor Plan - Area D  
1/8" = 1'-0"

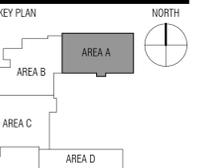


**PARTNERS in Architecture, PLC**  
 65 Market Street  
 Mount Clemens, MI 48043  
 P 586.469.3600  
 F 586.469.3607

Statement of Intellectual Property  
 The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, PLC, 65 Market Street, Mount Clemens, MI, 48043 (P:586.469.3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, PLC. This information is protected under U.S. Copyright Law, all rights reserved.  
 © Copyright 2024

**THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW SPECIFICALLY FOR CONSTRUCTION.**

CONSULTANT



OWNER  
**Charter Township of Northville**

PROJECT NAME  
**Essential Services Complex - Police & Fire Departments**

40911 7 Mile Road  
 Northville, MI 48168

PROJECT NO.  
**22-146A**

ISSUES / REVISIONS

BP2 - Bidding / Permitting	1/18/2024
BP2 - Construction	3/18/2024
BP2 - Const. Addendum	4/5/2024

DRAWN BY  
 NPR, KJP, CJJ  
 CHECKED BY  
 LAL / NPR  
 APPROVED BY  
 DWG

SHEET NAME  
**REFLECTED CEILING PLAN - AREA A**

SHEET NO.  
**A4-01**

**RCP GENERAL NOTES**

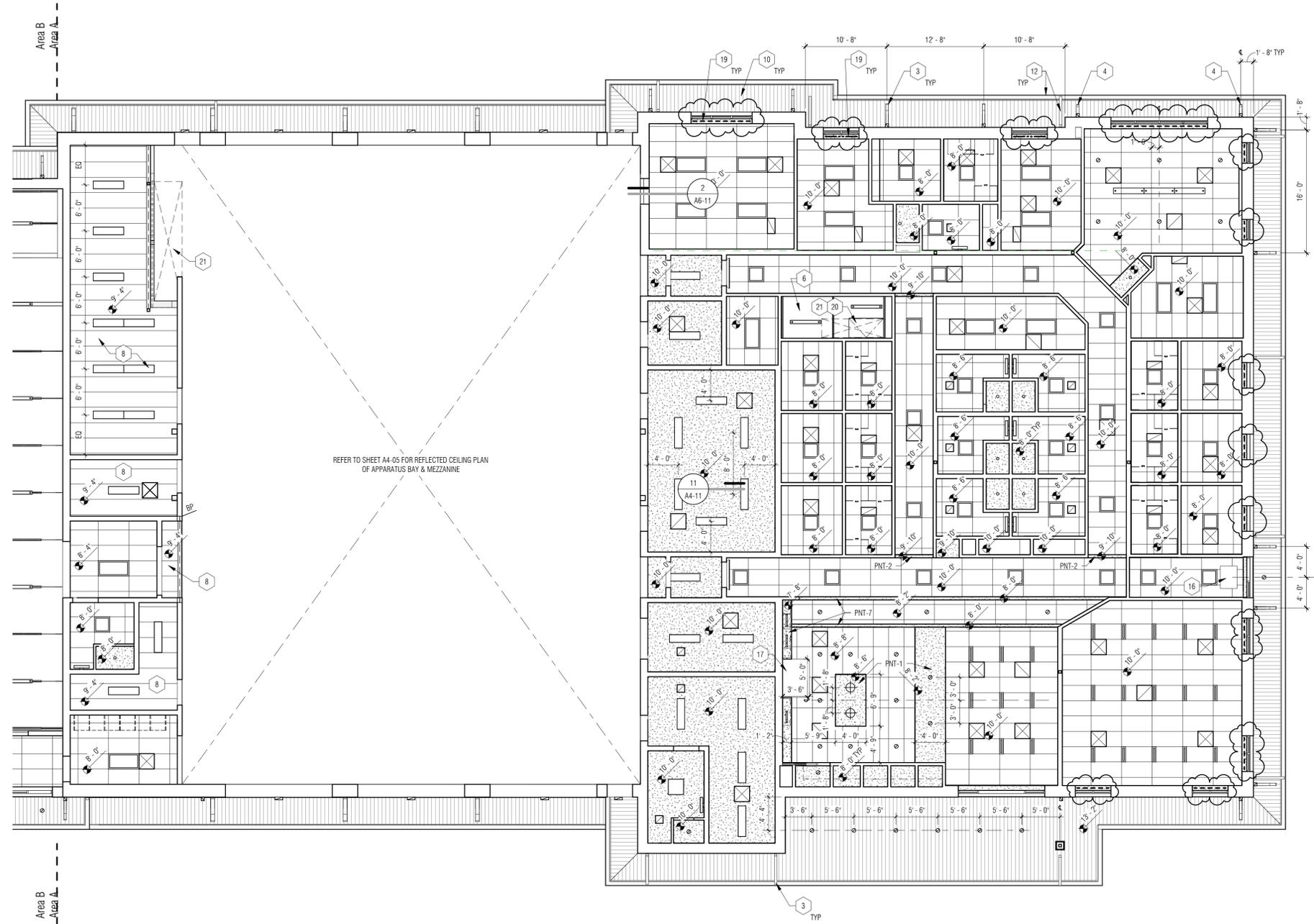
- A. REFER TO FLOOR PLANS FOR ROOM NAMES, NUMBERS & DIMENSIONS.
- B. REFER TO ELECTRICAL FOR LIGHT FIXTURE TYPES AND SCHEDULES.
- C. REFER TO MECHANICAL FOR DIFFUSER, REGISTER, & GRILLE TYPES AND SCHEDULES
- D. ALL LIGHT FIXTURES ARE TO BE CENTERED WITH THE CEILING TILE GRID AND GYPSUM BOARD SOFFITS, U.O.N.
- E. CEILING GRID IS TO BE CENTERED IN THE ROOM, U.O.N.
- F. PAINT ALL EXPOSED STRUCTURE, MECHANICAL AND ELECTRICAL
- G. SPOT ELEVATIONS ARE TAKEN FROM GROUND FLOOR 100'-0" U.O.N.

**RCP KEY NOTES**

- 1 OVERHEAD DOOR TRACK
- 2 FOLDING PANEL PARTITION TRACK
- 3 DECORATIVE BRACKET, LARGE
- 4 DECORATIVE BRACKET, SMALL
- 5 NOT USED
- 6 EXPOSED STEEL ROOF STRUCTURE & UTILITIES, PAINT AS SCHED
- 7 METAL-CLAD STEEL BEAM
- 8 EXPOSED CONCRETE PLANK, PAINTED AS SCHED
- 9 METAL WOOD-LOOK SOFFIT PANELS (MSP-2)
- 10 METAL SOFFIT PANELS (MSP-1)
- 11 CORRUGATED METAL CEILING PANELS
- 12 METAL GUTTER / DOWNSPOUT - SEE ROOF PLAN
- 13 INFRA-RED HEATER - SEE MECH
- 14 INFRA-RED HEATER - SEE MECH. MOUNT TIGHT TO B.O. JOISTS FOR MAX VEHICLE CLEARANCE BELOW
- 15 VEHICLE EXHAUST SYSTEM - SEE MECH
- 16 UNIT HEATER - SEE MECH
- 17 RANGE HOOD - SEE MECH
- 18 EXPOSED SPIRAL DUCT CHASE W/ BARE MTL FINISH - PROTECT DURING CONSTRUCTION. COORD W/ MECH & ELEC
- 19 ROLLER SHADE MOUNTED WITHIN JAMB - SEE LEGEND FOR TYPE.
- 20 ROOF HATCH - SEE ROOF PLAN
- 21 STAIR BELOW - SEE FLOOR PLANS
- 22 DASHED LINES OF LED COVE UPLIGHT IN SOFFIT

**RCP LEGEND**

	2 x 4 ACOUSTICAL CEILING SYSTEM AS SCHEDULED
	GYP BOARD CEILING - PAINT AS SCHEDULED
	SINGLE ROLLER SHADE - BLACKOUT (RWS-1)
	SINGLE ROLLER SHADE - SUN SCREEN (RWS-2)
	2 x 4 LAY-IN GRID LIGHT FIXTURE
	1 x 4 LAY-IN GRID LIGHT FIXTURE
	2 x 2 LAY-IN GRID LIGHT FIXTURE
	6 x 2 LAY-IN GRID LIGHT FIXTURE
	2 1/2" RECESSED CAN DOWNLIGHT
	6" RECESSED CAN DOWNLIGHT
	1 x 4 SURFACE MOUNT LIGHT
	2 x 2 SURFACE MOUNT LIGHT
	SUSPENDED LINEAR PENDANT LIGHT
	SUSPENDED PENDANT DOWNLIGHT
	EXTERIOR WALL MOUNT LIGHT
	WALL MOUNT OVER-MIRROR LIGHT
	3" RECESSED LINEAR LIGHT
	COVE UP-LIGHT (ABOVE SOFFIT)
	PARKING GARAGE DOWNLIGHT
	UNDER-CABINET LIGHT
	RETURN GRILLE - REF. MECH. FOR SIZE
	12" x 12" EXHAUST DIFFUSER GRILLE
	SUPPLY DIFFUSER - REF. MECH. FOR SIZE
	LINEAR DIFFUSER - REF. MECH. FOR SIZE
	WALL MOUNT EMERGENCY EXIT SIGN
	ARROW INDICATES DIRECTION
	CEILING MOUNT EMERGENCY EXIT SIGN
	ARROW INDICATES DIRECTION



1 Reflected Ceiling Plan - Area A  
 1/8" = 1'-0"

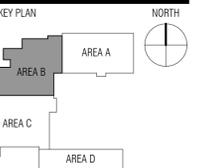


**PARTNERS in Architecture, PLC**  
 65 Market Street  
 Mount Clemens, MI 48043  
 P 586.469.3600  
 F 586.469.3607

Statement of Intellectual Property  
 The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, P.L.C. 65 Market Street, Mount Clemens, MI, 48043 (586-469-3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, P.L.C. This information is protected under U.S. Copyright Law, all rights reserved.

© Copyright 2024  
 THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW, SPECIFICALLY FOR CONSTRUCTION.

CONSULTANT



OWNER

**Charter Township of Northville**

PROJECT NAME  
**Essential Services Complex - Police & Fire Departments**

40911 7 Mile Road  
 Northville, MI 48168

PROJECT NO.

**22-146A**

ISSUES / REVISIONS

BP2 - Bidding / Permitting	1/18/2024
BP2- Construction	3/18/2024
BP2- Const. Addendum	4/5/2024
ASI 1	4/16/2024

DRAWN BY

NPR / KJP

CHECKED BY

LAL / NPR

APPROVED BY

DWG

SHEET NAME

**REFLECTED CEILING PLAN - AREA B**

SHEET NO.

**A4-02**

**RCP GENERAL NOTES**

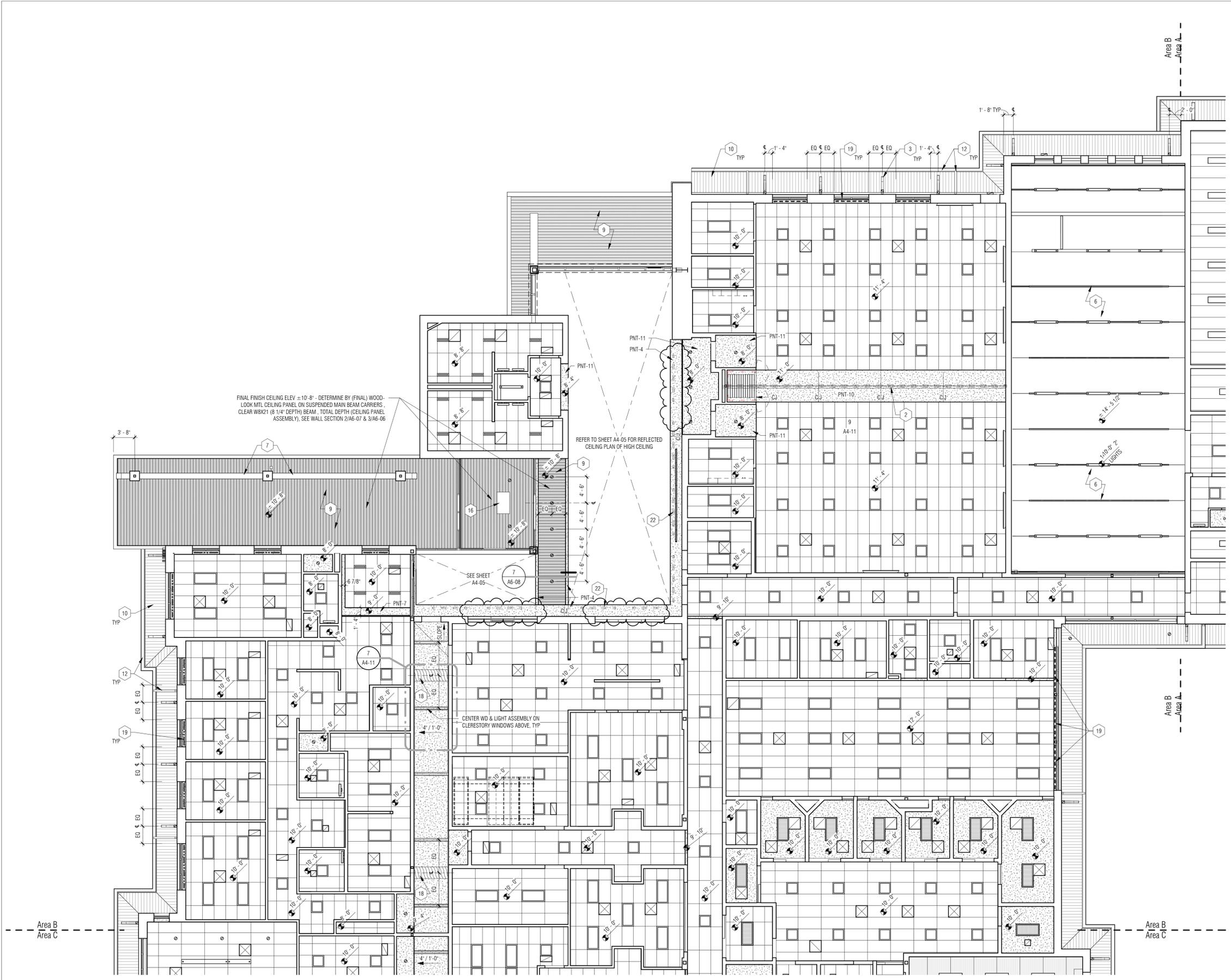
- A. REFER TO FLOOR PLANS FOR ROOM NAMES, NUMBERS & DIMENSIONS.
- B. REFER TO ELECTRICAL FOR LIGHT FIXTURE TYPES AND SCHEDULES.
- C. REFER TO MECHANICAL FOR DIFFUSER, REGISTER, & GRILLE TYPES AND SCHEDULES
- D. ALL LIGHT FIXTURES ARE TO BE CENTERED WITH THE CEILING TILE GRID AND GYPSUM BOARD SOFFITS, U.O.N.
- E. CEILING GRID IS TO BE CENTERED IN THE ROOM, U.O.N.
- F. PAINT ALL EXPOSED STRUCTURE, MECHANICAL AND ELECTRICAL
- G. SPOT ELEVATIONS ARE TAKEN FROM GROUND FLOOR 100'-0" U.O.N.

**RCP KEY NOTES**

- 1 OVERHEAD DOOR TRACK
- 2 FOLDING PANEL PARTITION TRACK
- 3 DECORATIVE BRACKET, LARGE
- 4 DECORATIVE BRACKET, SMALL
- 5 NOT USED
- 6 EXPOSED STEEL ROOF STRUCTURE & UTILITIES, PAINT AS SCHED
- 7 METAL-CLAD STEEL BEAM
- 8 EXPOSED CONCRETE PLANK, PAINTED AS SCHED
- 9 METAL WOOD-LOOK SOFFIT PANELS (MSP-2)
- 10 METAL SOFFIT PANELS (MSP-1)
- 11 CORRUGATED METAL CEILING PANELS
- 12 METAL GUTTER / DOWNSPOUT - SEE ROOF PLAN
- 13 INFRA-RED HEATER - SEE MECH
- 14 INFRA-RED HEATER - SEE MECH. MOUNT TIGHT TO B.O. JOISTS FOR MAX VEHICLE CLEARANCE BELOW
- 15 VEHICLE EXHAUST SYSTEM - SEE MECH
- 16 UNIT HEATER - SEE MECH
- 17 RANGE HOOD - SEE MECH
- 18 EXPOSED SPIRAL DUCT CHASE W/ BARE MTL FINISH - PROTECT DURING CONSTRUCTION. COORD W/ MECH & ELEC
- 19 ROLLER SHADE MOUNTED WITHIN JAMB - SEE LEGEND FOR TYPE.
- 20 ROOF HATCH - SEE ROOF PLAN
- 21 STAIR BELOW - SEE FLOOR PLANS
- 22 DASHED LINES OF LED COVE UPLIGHT IN SOFFIT

**RCP LEGEND**

	2 x 4 ACOUSTICAL CEILING SYSTEM AS SCHEDULED
	GYP BOARD CEILING - PAINT AS SCHEDULED
	SINGLE ROLLER SHADE - BLACKOUT (RWS-1)
	SINGLE ROLLER SHADE - SUN SCREEN (RWS-2)
	2 x 4 LAY-IN GRID LIGHT FIXTURE
	1 x 4 LAY-IN GRID LIGHT FIXTURE
	2 x 2 LAY-IN GRID LIGHT FIXTURE
	6' x 2 LAY-IN GRID LIGHT FIXTURE
	2 1/2' RECESSED CAN DOWNLIGHT
	6' RECESSED CAN DOWNLIGHT
	1 x 4 SURFACE MOUNT LIGHT
	2 x 2 SURFACE MOUNT LIGHT
	SUSPENDED LINEAR PENDANT LIGHT
	SUSPENDED PENDANT DOWNLIGHT
	EXTERIOR WALL MOUNT LIGHT
	WALL MOUNT OVER-MIRROR LIGHT
	3' RECESSED LINEAR LIGHT
	COVE UP-LIGHT (ABOVE SOFFIT)
	PARKING GARAGE DOWNLIGHT
	UNDER-CABINET LIGHT
	RETURN GRILLE - REF. MECH. FOR SIZE
	12' x 12' EXHAUST DIFFUSER GRILLE
	SUPPLY DIFFUSER - REF. MECH. FOR SIZE
	LINEAR DIFFUSER - REF. MECH. FOR SIZE
	WALL MOUNT EMERGENCY EXIT SIGN
	ARROW INDICATES DIRECTION
	CEILING MOUNT EMERGENCY EXIT SIGN
	ARROW INDICATES DIRECTION



**1** Reflected Ceiling Plan - Area B  
 A5-01 1/8" = 1'-0"

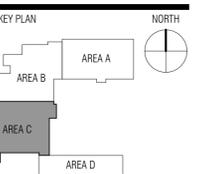


**PARTNERS in Architecture, PLC**  
 65 Market Street  
 Mount Clemens, MI 48043  
 P 586.469.3600  
 F 586.469.3607

The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, P.C. 65 Market Street, Mount Clemens, MI, 48043 (586-469-3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, P.C. This information is protected under U.S. Copyright Law, all rights reserved.

© Copyright 2024  
 THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW, SPECIFICALLY FOR CONSTRUCTION.

CONSULTANT



OWNER  
**Charter Township of Northville**

PROJECT NAME  
**Essential Services Complex - Police & Fire Departments**

40911 7 Mile Road  
 Northville, MI 48168

PROJECT NO.  
**22-146A**

ISSUES / REVISIONS

BP2 - Bidding / Permitting	1/18/2024
BP2- Construction	3/18/2024
BP2- Const. Addendum	4/5/2024

DRAWN BY  
 NPR / KJP  
 CHECKED BY  
 LAL / NPR  
 APPROVED BY  
 DWG

SHEET NAME  
**REFLECTED CEILING PLAN - AREA C**

SHEET NO.  
**A4-03**

**RCP GENERAL NOTES**

- A. REFER TO FLOOR PLANS FOR ROOM NAMES, NUMBERS & DIMENSIONS.
- B. REFER TO ELECTRICAL FOR LIGHT FIXTURE TYPES AND SCHEDULES.
- C. REFER TO MECHANICAL FOR DIFFUSER, REGISTER, & GRILLE TYPES AND SCHEDULES
- D. ALL LIGHT FIXTURES ARE TO BE CENTERED WITH THE CEILING TILE GRID AND GYPSUM BOARD SOFFITS, U.O.N.
- E. CEILING GRID IS TO BE CENTERED IN THE ROOM, U.O.N.
- F. PAINT ALL EXPOSED STRUCTURE, MECHANICAL, AND ELECTRICAL
- G. SPOT ELEVATIONS ARE TAKEN FROM GROUND FLOOR 100'-0" U.O.N.

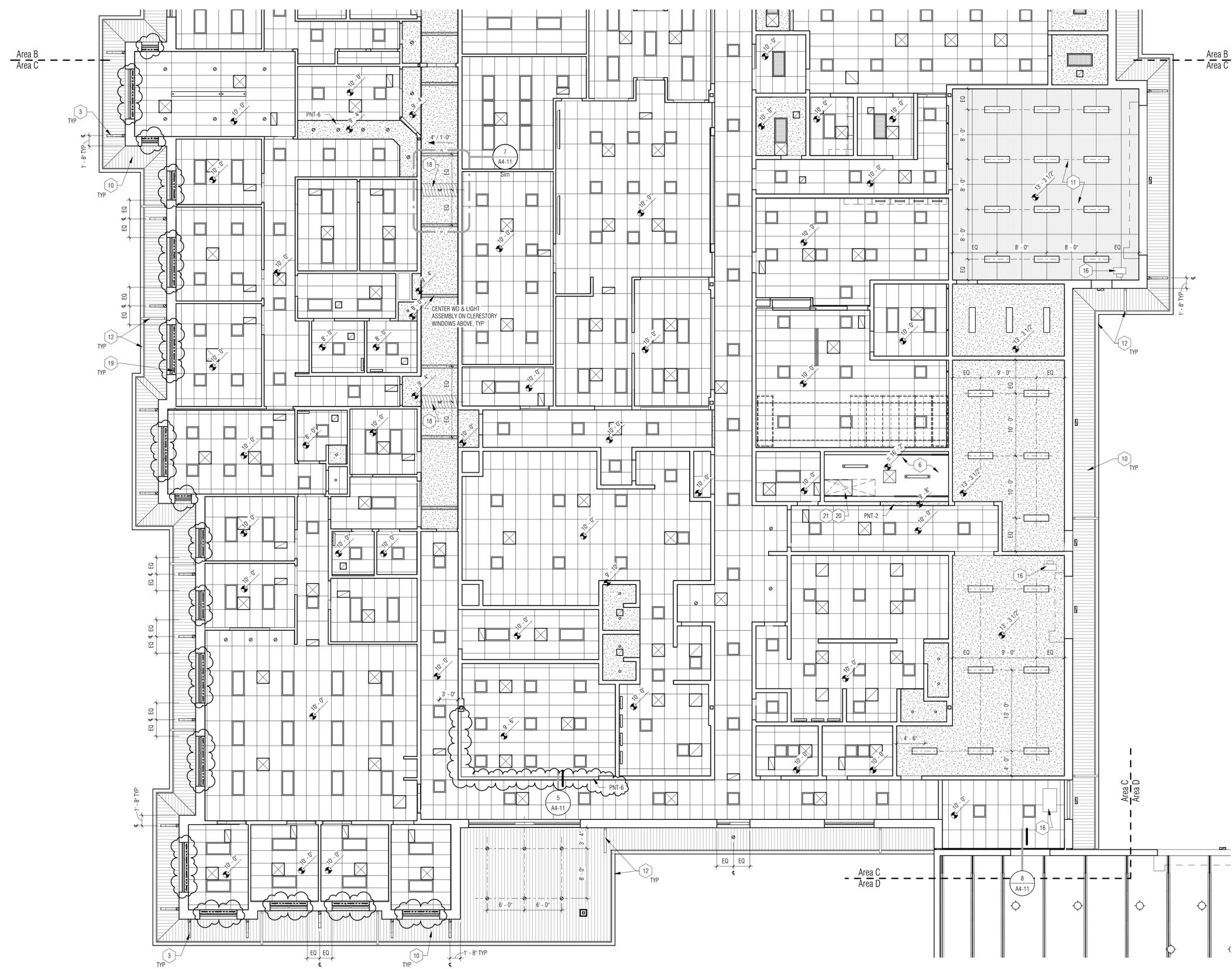
**RCP KEY NOTES**

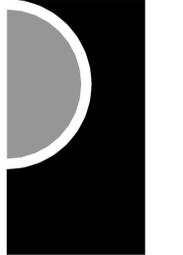
- 1 OVERHEAD DOOR TRACK
- 2 FOLDING PANEL, PARTITION TRACK
- 3 DECORATIVE BRACKET, LARGE
- 4 DECORATIVE BRACKET, SMALL
- 5 NOT USED
- 6 EXPOSED STEEL ROOF STRUCTURE & UTILITIES, PAINT AS SCHED
- 7 METAL-CLAD STEEL BEAM
- 8 EXPOSED CONCRETE PLANK, PAINTED AS SCHED
- 9 METAL WOOD-LOOK SOFFIT PANELS (MSP-2)
- 10 METAL SOFFIT PANELS (MSP-1)
- 11 CORRUGATED METAL CEILING PANELS
- 12 METAL GUTTER / DOWNSPOUT - SEE ROOF PLAN
- 13 INFRA-RED HEATER - SEE MECH
- 14 INFRA-RED HEATER - SEE MECH, MOUNT TIGHT TO B.O. JOISTS FOR MAX VEHICLE CLEARANCE BELOW
- 15 VEHICLE EXHAUST SYSTEM - SEE MECH
- 16 UNIT HEATER - SEE MECH
- 17 RANGE HOOD - SEE MECH
- 18 EXPOSED SPIRAL DUCT CHASE W/ BARE MTL FINISH - PROTECT DURING CONSTRUCTION, COORD W/ MECH & ELEC
- 19 ROLLER SHADE MOUNTED WITHIN JAMB - SEE LEGEND FOR TYPE.
- 20 ROOF HATCH - SEE ROOF PLAN
- 21 STAIR BELOW - SEE FLOOR PLANS
- 22 DASHED LINES OF LED COVE UPLIGHT IN SOFFIT

**RCP LEGEND**

	2 x 4' ACOUSTICAL CEILING SYSTEM AS SCHEDULED
	GYP BOARD CEILING - PAINT AS SCHEDULED
	SINGLE ROLLER SHADE - BLACKOUT (RWS-1)
	SINGLE ROLLER SHADE - SUN SCREEN (RWS-2)
	2 x 4' LAY-IN GRID LIGHT FIXTURE
	1 x 4' LAY-IN GRID LIGHT FIXTURE
	2 x 2' LAY-IN GRID LIGHT FIXTURE
	6 x 2' LAY-IN GRID LIGHT FIXTURE
	2 1/2" RECESSED CAN DOWNLIGHT
	6" RECESSED CAN DOWNLIGHT
	1 x 4' SURFACE MOUNT LIGHT
	2 x 2' SURFACE MOUNT LIGHT
	SUSPENDED LINEAR PENDANT LIGHT
	SUSPENDED PENDANT DOWNLIGHT
	EXTERIOR WALL MOUNT LIGHT
	WALL MOUNT OVER-MIRROR LIGHT
	3' RECESSED LINEAR LIGHT
	COVE UP-LIGHT (ABOVE SOFFIT)
	PARKING GARAGE DOWNLIGHT
	UNDER-CABINET LIGHT
	RETURN GRILLE - REF. MECH. FOR SIZE
	12' x 12' EXHAUST DIFFUSER GRILLE
	SUPPLY DIFFUSER - REF. MECH. FOR SIZE
	LINEAR DIFFUSER - REF. MECH. FOR SIZE
	WALL MOUNT EMERGENCY EXIT SIGN
	ARROW INDICATES DIRECTION
	CEILING MOUNT EMERGENCY EXIT SIGN
	ARROW INDICATES DIRECTION

**1 Reflected Ceiling Plan - Area C**  
 1/8" = 1'-0"





PARTNERS in Architecture, PLC

65 Market Street  
Mount Clemens, MI 48043  
P 586.469.3600  
F 586.469.3607

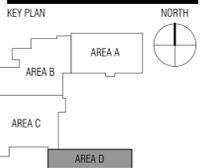
Statement of Intellectual Property

The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, PLC, 65 Market Street, Mount Clemens, MI, 48043 (P:586.469.3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, PLC. This information is protected under U.S. Copyright Law, all rights reserved.

© Copyright 2024

**THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW, SPECIFICALLY FOR CONSTRUCTION.**

CONSULTANT



OWNER

Charter Township of Northville

PROJECT NAME

Essential Services Complex - Police & Fire Departments

40911 7 Mile Road  
Northville, MI 48168

PROJECT NO.

22-146A

ISSUES / REVISIONS

BP2 - Bidding / Permitting	1/18/2024
BP2- Construction	3/18/2024
BP2- Const. Addendum	4/5/2024

DRAWN BY

NPR, KJP, CJJ

CHECKED BY

LAL / NPR

APPROVED BY

DWG

SHEET NAME

REFLECTED CEILING PLAN - AREA D

SHEET NO.

A4-04

RCP LEGEND

	2' x 4' ACOUSTICAL CEILING SYSTEM AS SCHEDULED
	GYP BOARD CEILING - PAINT AS SCHEDULED
	SINGLE ROLLER SHADE - BLACKOUT (RWS-1)
	SINGLE ROLLER SHADE - SUN SCREEN (RWS-2)
	2' x 4' LAY-IN GRID LIGHT FIXTURE
	1' x 4' LAY-IN GRID LIGHT FIXTURE
	2' x 2' LAY-IN GRID LIGHT FIXTURE
	6' x 2' LAY-IN GRID LIGHT FIXTURE
	2 1/2' RECESSED CAN DOWNLIGHT
	6' RECESSED CAN DOWNLIGHT
	1' x 4' SURFACE MOUNT LIGHT
	2' x 2' SURFACE MOUNT LIGHT
	SUSPENDED LINEAR PENDANT LIGHT
	SUSPENDED PENDANT DOWNLIGHT
	EXTERIOR WALL MOUNT LIGHT
	WALL MOUNT OVER-MIRROR LIGHT
	3' RECESSED LINEAR LIGHT
	COVE UP LIGHT (ABOVE SOFFIT)
	PARKING GARAGE DOWNLIGHT
	UNDER-CABINET LIGHT
	RETURN GRILLE - REF. MECH. FOR SIZE
	12' x 12' EXHAUST DIFFUSER GRILLE
	SUPPLY DIFFUSER - REF. MECH. FOR SIZE
	LINEAR DIFFUSER - REF. MECH. FOR SIZE
	WALL MOUNT EMERGENCY EXIT SIGN ARROW INDICATES DIRECTION
	CEILING MOUNT EMERGENCY EXIT SIGN ARROW INDICATES DIRECTION

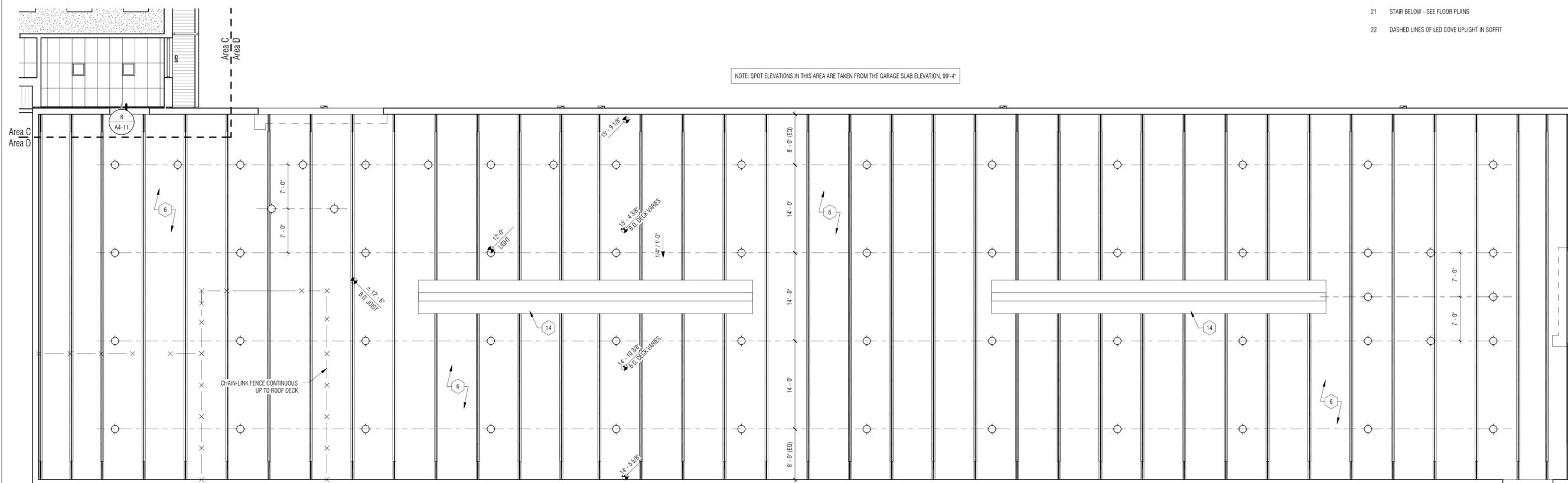
RCP GENERAL NOTES

- A. REFER TO FLOOR PLANS FOR ROOM NAMES, NUMBERS & DIMENSIONS.
- B. REFER TO ELECTRICAL FOR LIGHT FIXTURE TYPES AND SCHEDULES.
- C. REFER TO MECHANICAL FOR DIFFUSER, REGISTER, & GRILLE TYPES AND SCHEDULES.
- D. ALL LIGHT FIXTURES ARE TO BE CENTERED WITH THE CEILING TILE GRID AND GYPSUM BOARD SOFFITS, U.O.N.
- E. CEILING GRID IS TO BE CENTERED IN THE ROOM, U.O.N.
- F. PAINT ALL EXPOSED STRUCTURE, MECHANICAL, AND ELECTRICAL.
- G. SPOT ELEVATIONS ARE TAKEN FROM GROUND FLOOR 100'-0" U.O.N.

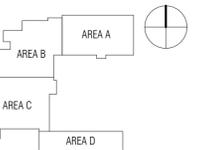
RCP KEY NOTES

- 1 OVERHEAD DOOR TRACK
- 2 FOLDING PANEL PARTITION TRACK
- 3 DECORATIVE BRACKET, LARGE
- 4 DECORATIVE BRACKET, SMALL
- 5 NOT USED
- 6 EXPOSED STEEL ROOF STRUCTURE & UTILITIES, PAINT AS SCHED
- 7 METAL-CLAD STEEL BEAM
- 8 EXPOSED CONCRETE PLANK, PAINTED AS SCHED
- 9 METAL WOOD-LOOK SOFFIT PANELS (MSP-2)
- 10 METAL SOFFIT PANELS (MSP-1)
- 11 CORRUGATED METAL CEILING PANELS
- 12 METAL GUTTER / DOWNSPOUT - SEE ROOF PLAN
- 13 INFRA-RED HEATER - SEE MECH
- 14 INFRA-RED HEATER - SEE MECH. MOUNT TIGHT TO B.O. JOISTS FOR MAX VEHICLE CLEARANCE BELOW
- 15 VEHICLE EXHAUST SYSTEM - SEE MECH
- 16 UNIT HEATER - SEE MECH
- 17 RANGE HOOD - SEE MECH
- 18 EXPOSED SPIRAL DUCT CHASE W/ BARE MTL FINISH - PROTECT DURING CONSTRUCTION. COORD W/ MECH & ELEC
- 19 ROLLER SHADE MOUNTED WITHIN JAMB - SEE LEGEND FOR TYPE.
- 20 ROOF HATCH - SEE ROOF PLAN
- 21 STAIR BELOW - SEE FLOOR PLANS
- 22 DASHED LINES OF LED COVE UPLIGHT IN SOFFIT

NOTE: SPOT ELEVATIONS IN THIS AREA ARE TAKEN FROM THE GARAGE SLAB ELEVATION, 99'-4"



1 Reflected Ceiling Plan - Area D  
1/8" = 1'-0"



BP2 - Bidding / Permitting	1/18/2024
BP2 - Construction	3/18/2024
CCD 2	5/2/2024

**RCP GENERAL NOTES**

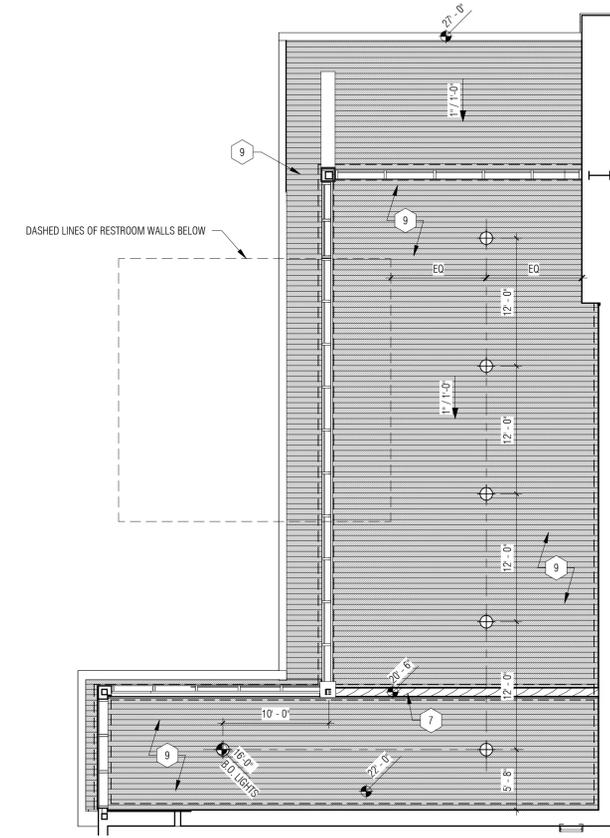
- A. REFER TO FLOOR PLANS FOR ROOM NAMES, NUMBERS & DIMENSIONS.
- B. REFER TO ELECTRICAL FOR LIGHT FIXTURE TYPES AND SCHEDULES.
- C. REFER TO MECHANICAL FOR DIFFUSER, REGISTER, & GRILLE TYPES AND SCHEDULES
- D. ALL LIGHT FIXTURES ARE TO BE CENTERED WITH THE CEILING TILE GRID AND GYPSUM BOARD SOFFITS, U.O.N.
- E. CEILING GRID IS TO BE CENTERED IN THE ROOM, U.O.N.
- F. PAINT ALL EXPOSED STRUCTURE, MECHANICAL AND ELECTRICAL
- G. SPOT ELEVATIONS ARE TAKEN FROM GROUND FLOOR 100'-0" U.O.N.

**RCP KEY NOTES**

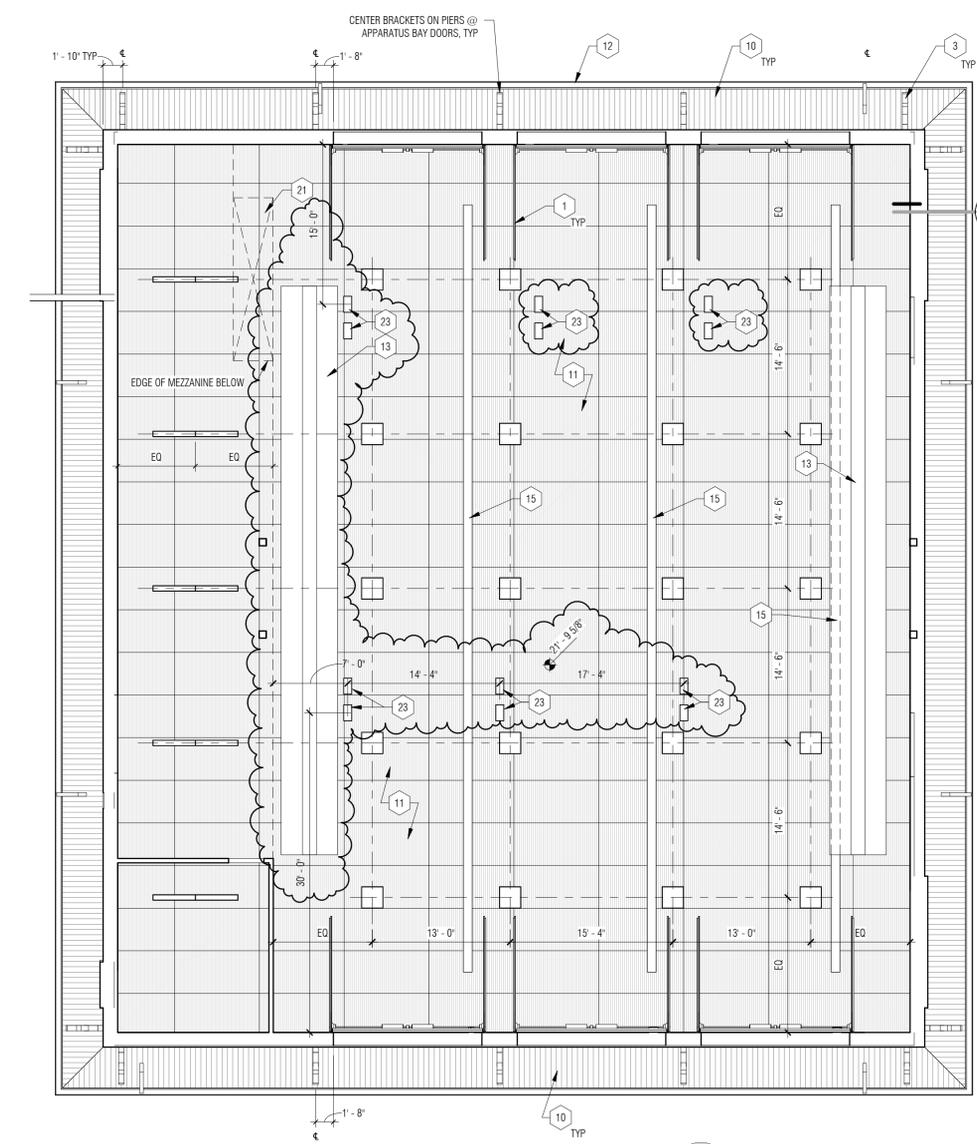
- 1 OVERHEAD DOOR TRACK
- 2 FOLDING PANEL PARTITION TRACK
- 3 DECORATIVE BRACKET, LARGE
- 4 DECORATIVE BRACKET, SMALL
- 5 NOT USED
- 6 EXPOSED STEEL ROOF STRUCTURE & UTILITIES, PAINT AS SCHED
- 7 METAL-CLAD STEEL BEAM
- 8 EXPOSED CONCRETE PLANK, PAINTED AS SCHED
- 9 METAL WOOD-LOOK SOFFIT PANELS (MSP-2)
- 10 METAL SOFFIT PANELS (MSP-1)
- 11 CORRUGATED METAL CEILING PANELS
- 12 METAL GUTTER / DOWNSPOUT - SEE ROOF PLAN
- 13 INFRA-RED HEATER - SEE MECH
- 14 INFRA-RED HEATER - SEE MECH. MOUNT TIGHT TO B.O. JOISTS FOR MAX VEHICLE CLEARANCE BELOW
- 15 VEHICLE EXHAUST SYSTEM - SEE MECH
- 16 UNIT HEATER - SEE MECH
- 17 RANGE HOOD - SEE MECH
- 18 EXPOSED SPIRAL DUCT CHASE W/ BARE MTL FINISH - PROTECT DURING CONSTRUCTION. COORD W/ MECH & ELEC
- 19 ROLLER SHADE MOUNTED WITHIN JAMB - SEE LEGEND FOR TYPE.
- 20 ROOF HATCH - SEE ROOF PLAN
- 21 STAIR BELOW - SEE FLOOR PLANS
- 22 DASHED LINES OF LED COVE UPLIGHT IN SOFFIT
- 23 CORD REEL LOCATION

**RCP LEGEND**

	2 x 4 ACOUSTICAL CEILING SYSTEM AS SCHEDULED
	GYP BOARD CEILING - PAINT AS SCHEDULED
	SINGLE ROLLER SHADE - BLACKOUT (RWS-1)
	SINGLE ROLLER SHADE - SUN SCREEN (RWS-2)
	2 x 4 LAY-IN GRID LIGHT FIXTURE
	1 x 4 LAY-IN GRID LIGHT FIXTURE
	2 x 2 LAY-IN GRID LIGHT FIXTURE
	6 x 2 LAY-IN GRID LIGHT FIXTURE
	2 1/2" RECESSED CAN DOWNLIGHT
	6" RECESSED CAN DOWNLIGHT
	1 x 4 SURFACE MOUNT LIGHT
	2 x 2 SURFACE MOUNT LIGHT
	SUSPENDED LINEAR PENDANT LIGHT
	SUSPENDED PENDANT DOWNLIGHT
	EXTERIOR WALL MOUNT LIGHT
	WALL MOUNT OVER-MIRROR LIGHT
	3" RECESSED LINEAR LIGHT
	COVE UP-LIGHT (ABOVE SOFFIT)
	PARKING GARAGE DOWNLIGHT
	UNDER-CABINET LIGHT
	RETURN GRILLE - REF. MECH. FOR SIZE
	12" x 12" EXHAUST DIFFUSER GRILLE
	SUPPLY DIFFUSER - REF. MECH. FOR SIZE
	LINEAR DIFFUSER - REF. MECH. FOR SIZE
	WALL MOUNT EMERGENCY EXIT SIGN
	ARROW INDICATES DIRECTION
	CEILING MOUNT EMERGENCY EXIT SIGN
	ARROW INDICATES DIRECTION

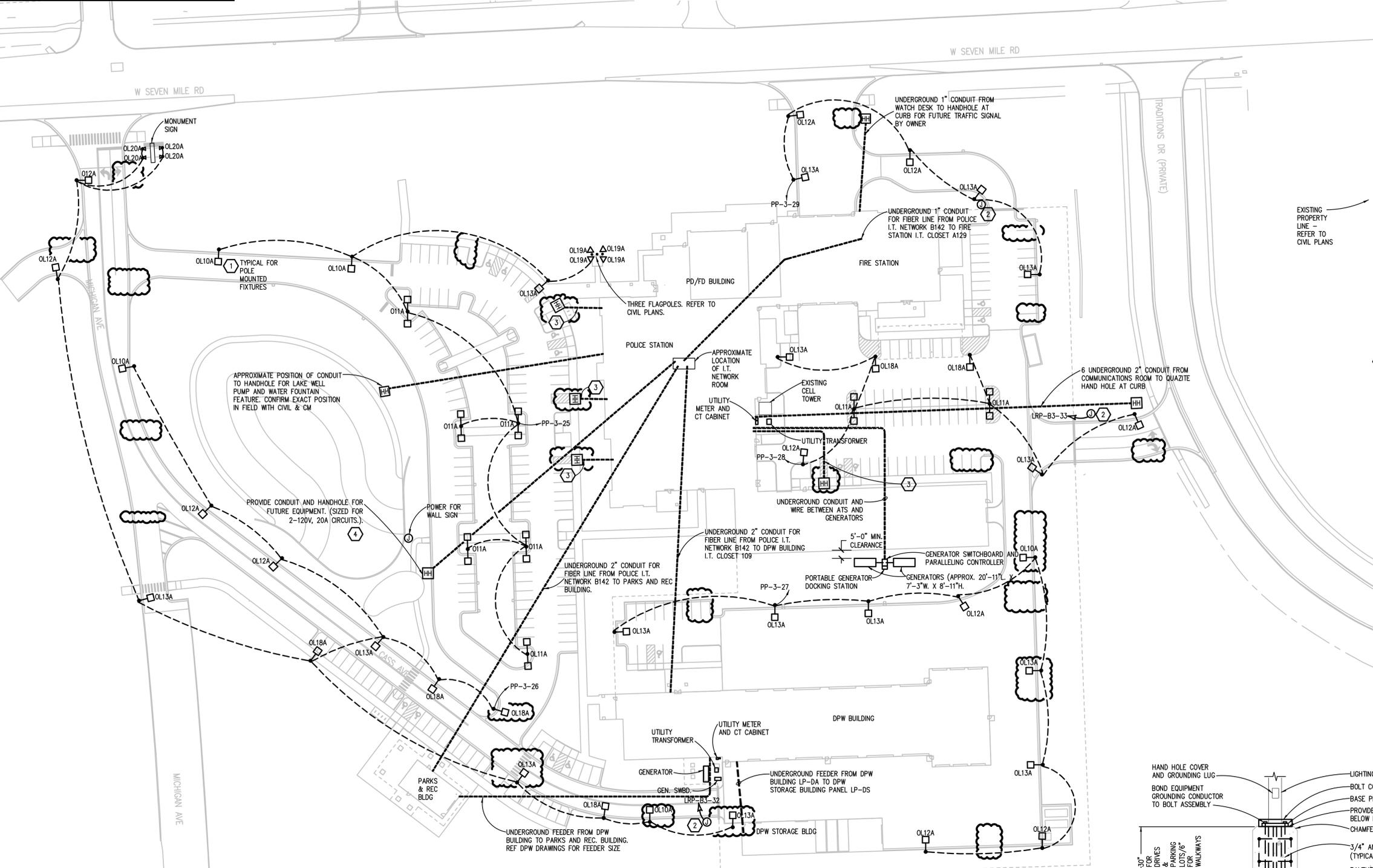
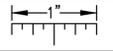


**2 Mezzanine RCP - Entry Lobby**  
1/8" = 1'-0"



**1 Mezzanine RCP - App Bay**  
1/8" = 1'-0"

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.



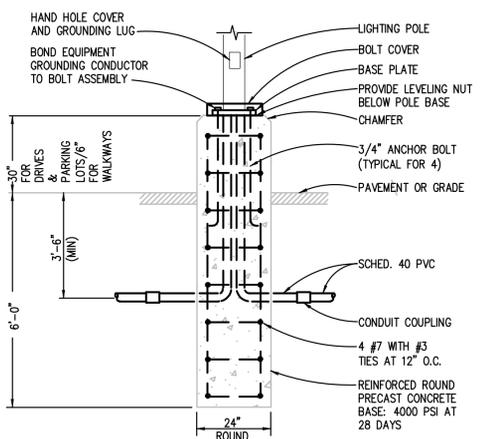
**ELECTRICAL SITE PLAN**  
SCALE: 1" = 50'

**SITE PLAN GENERAL NOTES:**

1. THESE NOTES ARE GENERIC GUIDELINES ONLY. ELECTRICAL CONTRACTOR'S PERSONNEL ON SITE SHALL BE THOROUGHLY FAMILIAR WITH THE PUBLISHED SPECIFICATIONS FOR EXACT DESCRIPTIONS OF SCOPE, METHODS, AND MATERIAL.
2. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
3. CONDUCT A SURVEY TO IDENTIFY ALL UNDERGROUND UTILITIES. CALL 811 PRIOR TO EXCAVATION.
4. UTILITIES SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY. COORDINATE EXACT LOCATION OF ALL EXISTING UTILITIES, AND ROUTING OF ALL NEW UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
5. DEWATER TRENCHES PRIOR TO INSTALLATION OF CONDUITS. PROVIDE WATER TIGHT FITTINGS ON ALL UNDERGROUND CONDUITS.
6. COORDINATE DEMOLITION WORK, AND ELECTRICAL AND TELEPHONE SERVICES TO THE SITE, WITH THE RESPECTIVE LOCAL UTILITY COMPANY REPRESENTATIVES PRIOR TO COMMENCEMENT OF WORK. INCLUDE ALL ASSOCIATED COST/FEE'S BY THE UTILITY COMPANIES IN THE BID PRICE.
7. INSTALL UNDERGROUND CONDUITS 42" BELOW FINISHED GRADE, MINIMUM, UNLESS NOTED OTHERWISE.
8. COORDINATE SERVICE SHUT-DOWNS WITH ALL TRADES INVOLVED ON SITE AND OBTAIN WRITTEN AUTHORIZATION FROM OWNER 72 HOURS PRIOR TO ANY ELECTRICAL AND/OR TELEPHONE SHUT-DOWN.
9. REMOVE ALL DE-ENERGIZED CONDUCTORS FROM SITE AT COMPLETION OF THE PROJECT.
10. OUTDOOR LIGHTING BRANCH CIRCUIT WIRING SHALL BE MINIMUM #8 AWG CONDUCTORS (XHHW-2), IN MINIMUM 1" DIA. CONDUIT, UNLESS NOTED OTHERWISE.
11. SPARE CONDUITS SHALL INCLUDE PULL STRING AND SHALL BE TERMINATED WITH A CAP.
12. EXCAVATE THE ENTIRE LENGTH OF TRENCH TO PROPERLY SET DUCT ELEVATIONS.

**CONSTRUCTION KEY NOTES:**

1. MOUNT POLE LUMINAIRES 20'-0"(NOM.) ABOVE FINISHED GRADE TO BOTTOM OF FIXTURE. ROADWAY AND PARKING LOT POLE FOUNDATION SIDE TO BE LOCATED 3'-0" FROM EDGE OF ROAD/LOT, UNLESS OTHERWISE INDICATED.
2. ACCESS CONTROL PANEL FOR SECURITY GATES, ROUTE 1" CONDUIT FROM NEAREST I.T. CLOSET OR ROOM TO JUNCTION BOX MOUNTED 6" AFG. COORDINATE WITH SECURITY CONTRACTOR FOR DETAILS.
3. UNDERGROUND 1-1/2" CONDUIT FROM ELECTRICAL C111 TO QUARTZITE HAND HOLE FOR FUTURE EV CHARGERS. ROUTE UNDERGROUND FROM HAND HOLE TO INTERIOR THEN UP TO THE CEILING SPACE AS NEEDED TO STUB AND CAP IN ROOM C111 NEAR FUTURE EV CHARGER PANEL.
4. PROVIDE 1-1/2" CONDUIT FROM I.T. NETWORK ROOM TO QUARTZITE TYPE HAND HOLE FOR FUTURE EV CHARGERS. ROUTE UNDERGROUND FROM HAND HOLE TO INTERIOR OF BUILDING AND UP TO CEILING SPACE AS NEEDED TO STUB AND CAP IN ROOM C111. SIZE HANDHOLE PER NEC.



**LIGHTING POLE BASE DETAIL**  
NO SCALE

- NOTE:
1. PROVIDE PRECAST CONCRETE BASE AS MANUFACTURED BY NORTHERN CONCRETE PIPE, INC. OR APPROVED EQUAL.
  2. CONCRETE REINFORCEMENTS SHALL BE BARE, ZINC GALVANIZED, OR ELECTRICALLY CONDUCTIVE COATED STEEL. BOND ALL CONCRETE REINFORCEMENTS AND ANCHOR BOLTS TOGETHER SO THAT SYSTEM IS ELECTRICALLY CONTINUOUS.



**Know what's below.  
Call before you dig.**

**PARTNERS**



**PARTNERS in Architecture, PLC**  
65 Market Street  
Mount Clemens, MI 48043  
P 586.469.3600  
F 586.469.3601

Statement of Intellectual Property  
The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, P.C. 65 Market Street, Mount Clemens, MI 48043 (P 586.469.3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, P.C. This information is protected under U.S. Copyright Law, all rights reserved.

© Copyright 2023  
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW SPECIFICALLY FOR "BUILDING" / "CONSTRUCTION"

**CONSULTANT**  
  
**Peter Basso Associates Inc**  
CONSULTING ENGINEERS  
5145 Livemore, Suite 100  
Troy, Michigan 48068-3276  
Tel: 248-879-5666  
Fax: 248-879-0007  
www.PeterBassoAssociates.com  
PBA Project No. 2023072

KEY PLAN

OWNER

**Charter Township of Northville**

PROJECT NAME

**Essential Services Complex - Police & Fire Departments**

40911 7 Mile Road  
Northville, MI 48168

PROJECT NO.

**22-146A**

ISSUES / REVISIONS

DD/PRICING	08/18/2023
QA/QC	12/01/2023
95% REVIEW	12/15/2023
BP2 - BIDDING/PERMITTING	01/18/2024
BP2 - ADDENDUM 1	01/26/2024
BP2 - CONSTRUCTION	03/18/2024
CCD 2	05/02/2024

DRAWN BY

SAM

CHECKED BY

LSS

APPROVED BY

LSS

SHEET NAME

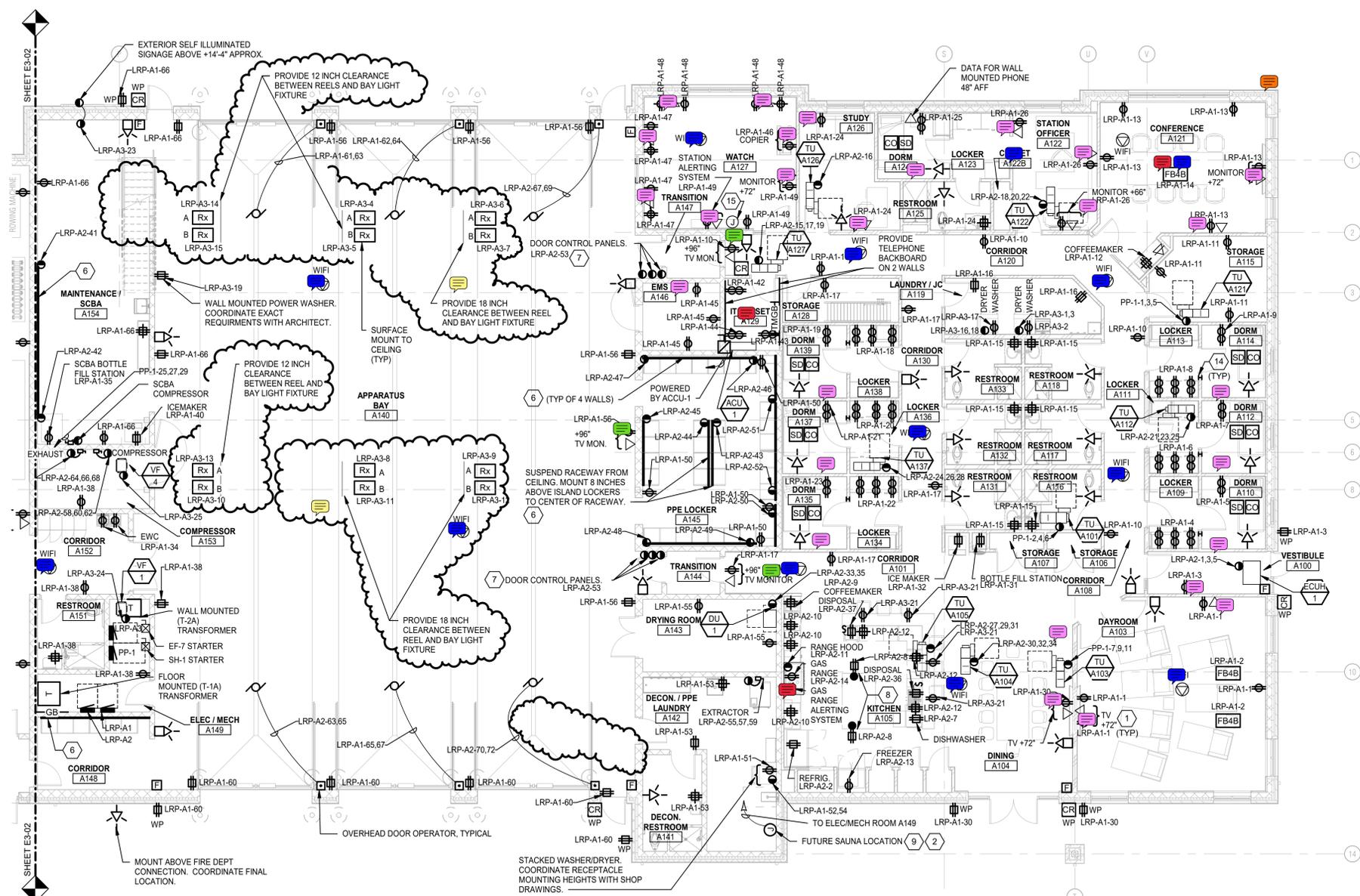
ELECTRICAL SITE PLAN

SHEET NO.

**E0-05**

g:\2022-0372-00\CAD\PDFD\2022-0372-E0-SP.dwg, E0-05, 5/2/2024 10:44:47 AM, Rachel L. Wilson, Peter Basso Associates Inc.

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.



**MAIN LEVEL POWER AND AUXILIARY SYSTEMS PLAN - AREA A**  
SCALE: 1/8" = 1'-0"

**ELECTRICAL GENERAL NOTES:**

- THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
- INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
- TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
- COORDINATE EXACT LOCATIONS OF ALL FLOOR SERVICE FITTINGS AND POKE-THROUGH ASSEMBLIES WITH FINAL FURNITURE LAYOUT DRAWINGS.
- REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
- REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED FIRE ALARM CONTROL MODULES, DUCT SMOKE DETECTORS, AND MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
- THE FIRE ALARM DEVICES SHOWN ON PLAN ARE A PARTIAL REPRESENTATION OF THE FIRE ALARM SYSTEM. PROVIDE THE DESIGN AND INSTALLATION OF A COMPLETE AND FUNCTIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, DRAWINGS, AND ALL APPLICABLE CODES. THE FIRE ALARM VENDOR SHALL PROVIDE LAYOUT DRAWINGS INDICATING THE REQUIRED QUANTITIES AND LOCATIONS OF MANUAL PULL STATIONS, NOTIFICATION APPLIANCES, SMOKE AND HEAT DETECTORS, CONTROL MODULES, INTERFACE MODULES, MODULES FOR SPRINKLER FLOW AND TAMPER SWITCHES, ALL CONTROL PANELS, POWER SUPPLIES, AND ADDITIONAL DEVICES AND EQUIPMENT REQUIRED. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL FINISHES AND REFLECTED CEILING PLANS, INCLUDING ADDITIONAL SMOKE AND HEAT DETECTORS REQUIRED FOR NON-SMOOTH CEILING APPLICATIONS. INCLUDE ALLOWANCES FOR ADJUSTMENT OF DEVICES BY THE ARCHITECT AT THE TIME OF SUBMITTAL TO COORDINATE WITH BUILDING FINISHES AND OTHER CEILING ELEMENTS.
- REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
- CONNECT EXIT SIGNS AND NIGHT LIGHTING FIXTURES TO NORMAL LIGHTING BRANCH CIRCUIT SERVICING THE AREA. CONNECT AHEAD OF ANY LIGHTING CONTROL DEVICE OR SYSTEM.
- PROVIDE TAMPER-RESISTANT TYPE RECEPTACLES FOR RECEPTACLES IN PUBLIC AREAS PER NEC UNLESS OTHERWISE NOTED.

**# CONSTRUCTION KEY NOTES:**

- WALL MOUNTED TV/MONITOR MOUNTING HEIGHT. COORDINATE FINAL HEIGHT WITH ARCHITECT AND ARCHITECTURAL ELEVATIONS.
- NOT USED
- FURNITURE FEED. COORDINATE ATTACHMENT/MOUNTING REQUIREMENTS WITH FINAL FURNITURE SHOP DRAWINGS. CONNECT ONE FLOOR BOX PER FURNITURE ROW.
- DOOR OPERATORS BY OTHERS. PROVIDE RACEWAYS AND BACKBOXES/JUNCTION BOXES AS REQUIRED. COORDINATE WITH SUPPLIER/SHOP DRAWINGS. REFER TO ARCHITECTURAL DOOR HARDWARE.
- 24 INCH WIDE X 4 INCH DEEP TELECOMMUNICATIONS BASKET STYLE CABLE TRAY ABOVE CEILING. COORDINATE EXACT LOCATION WITH OTHER TRADES BEFORE WORK BEGINS.
- PROVIDE WALL MOUNTED (OR AS INDICATED) STEEL SURFACE RACEWAY WITH RECEPTACLES (EVERY 2'-0" ON CENTER) AND ALTERNATING CIRCUITS AT APPROX. 7'-0" AFF (MOUNT ABOVE LOCKERS) SIMILAR TO WIREMOLD PLUGMOLD MULTIOUTLET SYSTEM 2000.
- DOOR CONTROL PANELS. COORDINATE LABELING FOR DOOR PUSHBUTTONS, CONTROL PANELS, AND DOOR ASSIGNMENT WITH ARCHITECT. COORDINATE EXACT REQUIREMENTS WITH SHOP DRAWINGS.
- MOUNT RECEPTACLE FLUSH TO COUNTER SIDE APPROX. ONE FOOT BELOW COUNTERTOP LIP. ROUTE CIRCUIT UP THROUGH FLOOR SLAB AND INSIDE COUNTER. (TYP OF 3).
- PROVIDE CONCEALED 1.5" CONDUIT WITH PULL STRING BETWEEN ACCESSIBLE CEILING AND 4"x4" JUNCTION BOX WITH COVER PLATE FOR FUTURE SAUNA 208V POWER CIRCUIT. LABEL CONDUIT TERMINATION AS TO FUTURE USE.
- ROUTE CONDUIT AND WIRE UP THROUGH FLOOR SLAB TO BELOW COUNTER OUTLETS.
- PROVIDE RECEPTACLE IN EACH LOCKER. COORDINATE CONDUIT ENTRY, ROUTING, AND FINAL LOCATION OF RECEPTACLE WITH ARCHITECT AND LOCKER SUPPLIER/SHOP DRAWINGS.
- PROVIDE GFCI REMOTE TEST/RESET DEVICE (WITHOUT RECEPTACLE) FOR CONTROL OF GFCI PROTECTED RECEPTACLES. GFCI REMOTE DEVICE TO BE IN A READILY ACCESSIBLE LOCATION.
- SHEET METAL CONTRACTOR TO PROVIDE EMPTY 24" SPIRAL DUCT TO ROUTE SHEET METAL AND ELECTRICAL THROUGH CORRIDOR. COORDINATE WITH SHEET METAL CONTRACTOR TO ENSURE SPACE IS PROVIDED FOR ELECTRICAL AND I.T. CONDUIT. REFER TO ARCHITECTURAL FOR EXACT LOCATION PRIOR INSTALL.
- 1-1/2" OR 2" CONDUIT TO DORM ROOMS FOR FUTURE STATION ALERT SYSTEM.
- PROVIDE JUNCTION BOX FOR TRAFFIC SIGNAL CONTROL. LOCATE BY OWNER. PROVIDE A LABEL ON THE FRONT OF THE BOX INDICATING IT IS FOR TRAFFIC SIGNAL CONTROL.
- LOCATION OF NEW LIGHTING FIXTURE PG1. TO BE BOLTED TO FLOOR. CONNECT TO FLOOR BOX POWER. COORDINATE TYPE AND LOCATION OF LIGHTING CONTROL FOR FIXTURE WITH OWNER/ARCHITECT (PROVIDE LOCAL WALL SWITCH OR CONTROLLED IN COMMON WITH CORRIDOR LIGHTING).

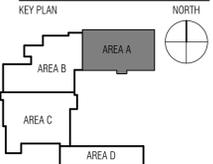
**PARTNERS**



**PARTNERS in Architecture, PLC**  
65 Market Street  
Mount Clemens, MI 48043  
P: 586.469.3600  
F: 586.469.3607

Statement of Intellectual Property  
The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, PLC, 65 Market Street, Mount Clemens, MI, 48043 (P:586.469.3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, PLC. This information is protected under U.S. Copyright Law, all rights reserved.  
© Copyright 2024  
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW SPECIFICALLY FOR "BIDDING / CONSTRUCTION"  
CONSULTANT

**Peter Basso Associates Inc**  
CONSULTING ENGINEERS  
5345 Livorno, Suite 100  
Troy, Michigan 48069-3276  
Tel: 248-879-5666  
Fax: 248-879-0007  
www.PeterBassoAssociates.com  
PBA Project No. 2022.0372



OWNER  
**Charter Township of Northville**

PROJECT NAME  
**Essential Services Complex - Police & Fire Departments**

40911 7 Mile Road,  
Northville, MI 48168

PROJECT NO.  
**22-146A**

ISSUES / REVISIONS

NO.	DESCRIPTION	DATE
DD/PRICING		08/18/2023
QA/QC		12/01/2023
95% REVIEW		12/15/2023
BP2 - BIDDING/PERMITTING		01/18/2024
BP2 - CONSTRUCTION		03/18/2024
CCD 2		05/02/2024

DRAWN BY  
SAM

CHECKED BY  
LSS

APPROVED BY  
LSS

SHEET NAME

**MAIN LEVEL POWER AND AUXILIARY SYSTEMS PLAN - AREA A**

SHEET NO.  
**E3-01**

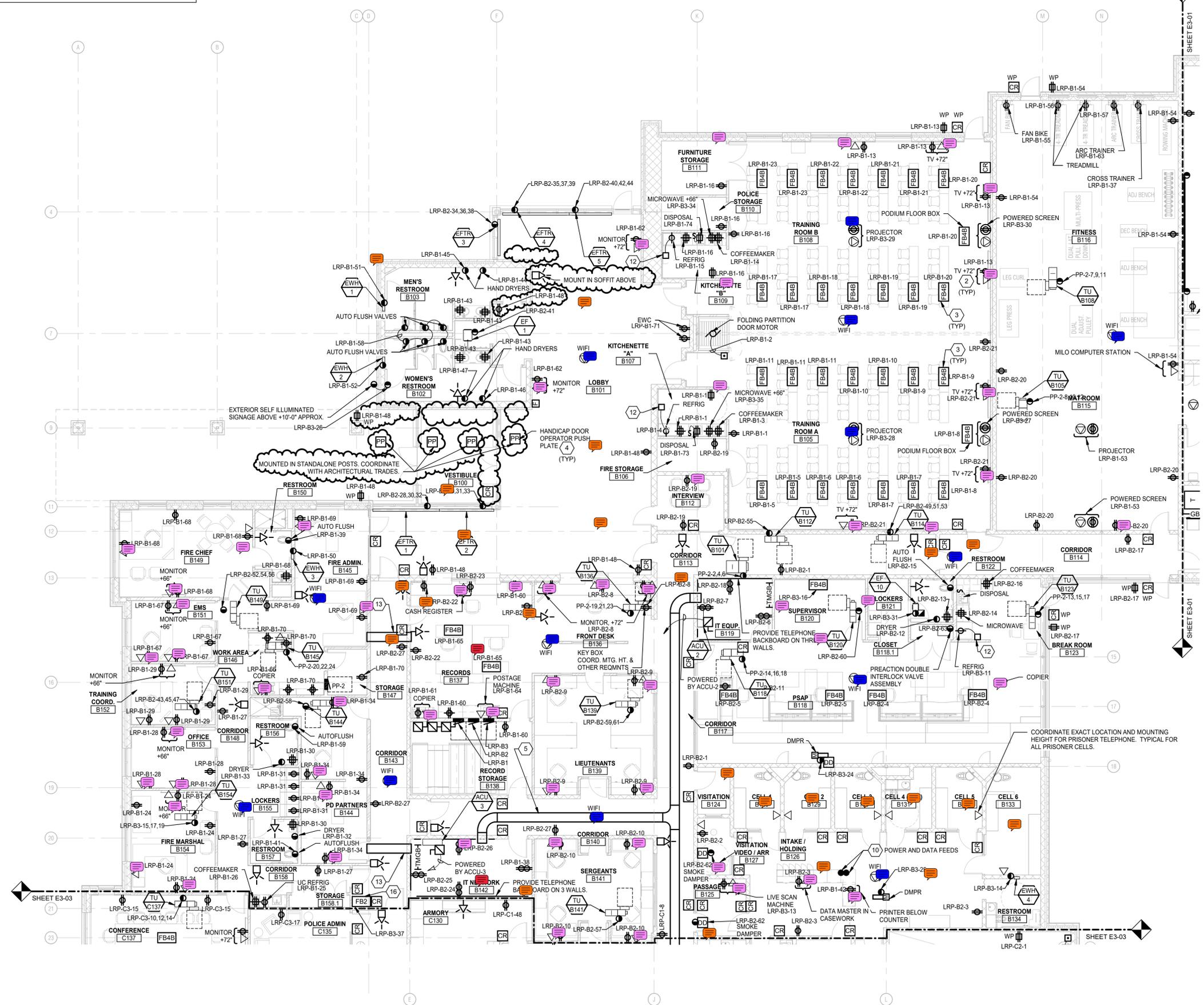
THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.

**ELECTRICAL GENERAL NOTES:**

- THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
- INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
- TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
- COORDINATE EXACT LOCATIONS OF ALL FLOOR SERVICE FITTINGS AND POKE-THROUGH ASSEMBLIES WITH FINAL FURNITURE LAYOUT DRAWINGS.
- REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
- REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED FIRE ALARM CONTROL MODULES, DUCT SMOKE DETECTORS, AND MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
- THE FIRE ALARM DEVICES SHOWN ON PLAN ARE A PARTIAL REPRESENTATION OF THE FIRE ALARM SYSTEM. PROVIDE THE DESIGN AND INSTALLATION OF A COMPLETE AND FUNCTIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, DRAWINGS, AND ALL APPLICABLE CODES. THE FIRE ALARM VENDOR SHALL PROVIDE LAYOUT DRAWINGS INDICATING THE REQUIRED QUANTITIES AND LOCATIONS OF MANUAL PULL STATIONS, NOTIFICATION APPLIANCES, SMOKE AND HEAT DETECTORS, CONTROL MODULES, INTERFACE MODULES, MODULES FOR SPRINKLER FLOW AND TAMPER SWITCHES, ALL CONTROL PANELS, POWER SUPPLIES, AND ADDITIONAL DEVICES AND EQUIPMENT REQUIRED. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL FINISHES AND REFLECTED CEILING PLANS, INCLUDING ADDITIONAL SMOKE AND HEAT DETECTORS REQUIRED FOR NON-SMOOTH CEILING APPLICATIONS. INCLUDE ALLOWANCES FOR ADJUSTMENT OF DEVICES BY THE ARCHITECT AT THE TIME OF SUBMITTAL TO COORDINATE WITH BUILDING FINISHES AND OTHER CEILING ELEMENTS.
- REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
- CONNECT EXIT SIGNS AND NIGHT LIGHTING FIXTURES TO NORMAL LIGHTING BRANCH CIRCUIT SERVICING THE AREA. CONNECT AHEAD OF ANY LIGHTING CONTROL DEVICE OR SYSTEM.
- PROVIDE TAMPER-RESISTANT TYPE RECEPTACLES FOR RECEPTACLES IN PUBLIC AREAS PER NEC UNLESS OTHERWISE NOTED.

**# CONSTRUCTION KEY NOTES:**

- WALL MOUNTED TV/MONITOR MOUNTING HEIGHT. COORDINATE FINAL HEIGHT WITH ARCHITECT AND ARCHITECTURAL ELEVATIONS.
- NOT USED
- FURNITURE FEED. COORDINATE ATTACHMENT/MOUNTING REQUIREMENTS WITH FINAL FURNITURE SHOP DRAWINGS. CONNECT ONE FLOOR BOX PER FURNITURE ROW.
- DOOR OPERATORS BY OTHERS. PROVIDE RACEWAYS AND BACKBOXES/JUNCTION BOXES AS REQUIRED. COORDINATE WITH SUPPLIER/SHOP DRAWINGS. REFER TO ARCHITECTURAL DOOR HARDWARE.
- 24 INCH WIDE X 4 INCH DEEP TELECOMMUNICATIONS BASKET STYLE CABLE TRAY ABOVE CEILING. COORDINATE EXACT LOCATION WITH OTHER TRADES BEFORE WORK BEGINS.
- PROVIDE WALL MOUNTED (OR AS INDICATED) STEEL SURFACE RACEWAY WITH RECEPTACLES (EVERY 2'-0" ON CENTER) AND ALTERNATING CIRCUITS AT APPROX. 7'-0" AFF (MOUNT ABOVE LOCKERS.) SIMILAR TO WIREMOLD MULTIOUTLET SYSTEM 2000.
- DOOR CONTROL PANELS. COORDINATE LABELING FOR DOOR PUSHBUTTONS, CONTROL PANELS, AND DOOR ASSIGNMENT WITH ARCHITECT. COORDINATE EXACT REQUIREMENTS WITH SHOP DRAWINGS.
- MOUNT RECEPTACLE FLUSH TO COUNTER SIDE APPROX. ONE FOOT BELOW COUNTERTOP LIP. ROUTE CIRCUIT UP THROUGH FLOOR SLAB AND INSIDE COUNTER. (TYP OF 3).
- PROVIDE CONCEALED 1.5" CONDUIT WITH PULL STRING BETWEEN ACCESSIBLE CEILING AND 4"x4" JUNCTION BOX WITH COVER PLATE FOR FUTURE SALINA 208V POWER CIRCUIT. LABEL CONDUIT TERMINATION AS TO FUTURE USE.
- ROUTE CONDUIT AND WIRE UP THROUGH FLOOR SLAB TO BELOW COUNTER OUTLETS.
- PROVIDE RECEPTACLE IN EACH LOCKER. COORDINATE CONDUIT ENTRY, ROUTING, AND FINAL LOCATION OF RECEPTACLE WITH ARCHITECT AND LOCKER SUPPLIER/SHOP DRAWINGS.
- PROVIDE GFCI REMOTE TEST/RESET DEVICE (WITHOUT RECEPTACLE) FOR CONTROL OF GFCI PROTECTED RECEPTACLES. GFCI REMOTE DEVICE TO BE IN A READILY ACCESSIBLE LOCATION.
- SHEET METAL CONTRACTOR TO PROVIDE EMPTY 24" SPIRAL DUCT TO SHEET METAL, AND ELECTRICAL THROUGH CORRIDOR. COORDINATE WITH SHEET METAL CONTRACTOR TO ENSURE SPACE IS PROVIDED FOR ELECTRICAL AND I.T. CONDUIT. REFER TO ARCHITECTURAL FOR EXACT LOCATION PRIOR INSTALL.
- 1-1/2" OR 2" CONDUIT TO DORM ROOMS FOR FUTURE STATION ALERT SYSTEM.
- PROVIDE JUNCTION BOX FOR TRAFFIC SIGNAL CONTROL. LOCATE BY OWNER. PROVIDE A LABEL ON THE FRONT OF THE BOX INDICATING IT IS FOR TRAFFIC SIGNAL CONTROL.
- LOCATION OF NEW LIGHTING FIXTURE P61. TO BE BOLTED TO FLOOR. CONNECT TO FLOOR BOX POWER. COORDINATE TYPE AND LOCATION OF LIGHTING CONTROL FOR FIXTURE WITH OWNER/ARCHITECT (PROVIDE LOCAL WALL SWITCH OR CONTROLLED IN COMMON WITH CORRIDOR LIGHTING).



**MAIN LEVEL POWER AND AUXILIARY SYSTEMS PLAN - AREA B**  
SCALE: 1/8" = 1'-0"

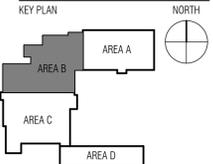
**PARTNERS**



**PARTNERS in Architecture, PLC**  
65 Market Street  
Mount Clemens, MI 48043  
P 586.469.3600  
F 586.469.3607

*Statement of Intellectual Property*  
The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, PLC, 65 Market Street, Mount Clemens, MI, 48043 (P586-469-3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, PLC. This information is protected under U.S. Copyright Law, all rights reserved.  
© Copyright 2024  
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW SPECIFICALLY FOR "BIDDING / CONSTRUCTION".  
CONSULTANT

**Peter Basso Associates Inc**  
CONSULTING ENGINEERS  
5145 Livernois, Suite 100  
Troy, Michigan 48069-3276  
Tel: 248-879-5666  
Fax: 248-879-0007  
www.PeterBassoAssociates.com  
PBA Project No. 2022.0372



OWNER  
**Charter Township of Northville**  
PROJECT NAME  
**Essential Services Complex - Police & Fire Departments**  
40911 7 Mile Road,  
Northville, MI 48168

PROJECT NO.  
**22-146A**  
ISSUES / REVISIONS

DD/PRING	08/18/2023
QA/QC	12/01/2023
95% REVIEW	12/15/2023
BP2 - BIDDING/PERMITTING	01/18/2024
BP2 - ADDENDUM 1	01/26/2024
BP2 - CONSTRUCTION	03/18/2024
CCD 1	04/19/2024

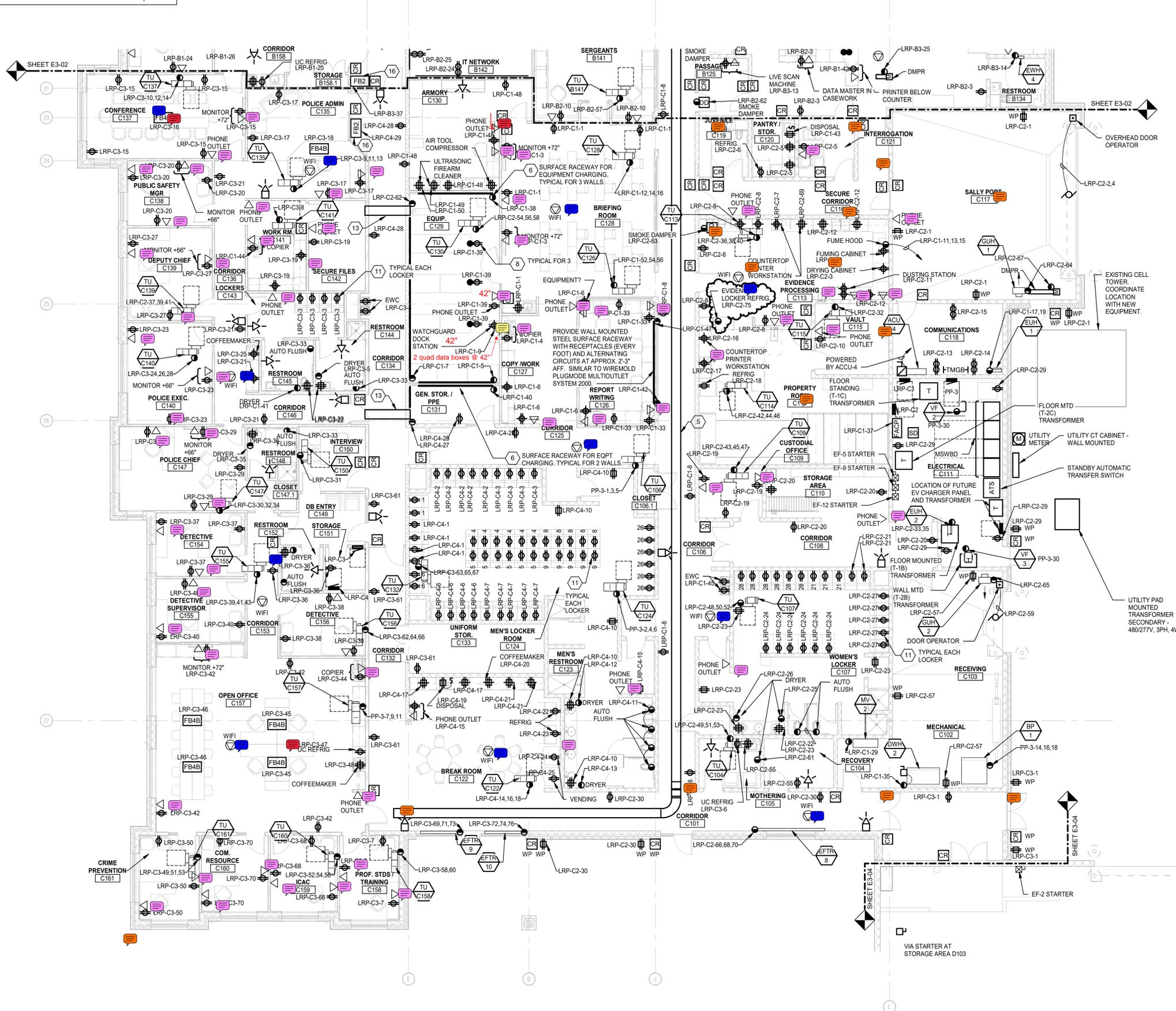
DRAWN BY  
SAM  
CHECKED BY  
LSS  
APPROVED BY  
LSS  
SHEET NAME

**MAIN LEVEL POWER AND AUXILIARY SYSTEMS PLAN - AREA B**

SHEET NO.  
**E3-02**

4/18/2024 2:32:39 PM C:\REVIT\LOCAL\_FILES\2022-0372\_Northville\_ESC\_PDFD\_MEP\_V23\_samtheil\FAH\14

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.

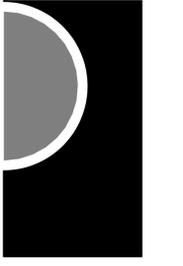


**MAIN LEVEL POWER AND AUXILIARY SYSTEMS PLAN - AREA C**  
SCALE: 1/8" = 1'-0"

**ELECTRICAL GENERAL NOTES:**

- THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
  - INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
  - COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
  - PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
  - TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
  - MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
  - COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
  - COORDINATE EXACT LOCATIONS OF ALL FLOOR SERVICE FITTINGS AND POKE-THROUGH ASSEMBLIES WITH FINAL FURNITURE LAYOUT DRAWINGS.
  - REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
  - REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED FIRE ALARM CONTROL MODULES, DUCT SMOKE DETECTORS, AND MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
  - THE FIRE ALARM DEVICES SHOWN ON PLAN ARE A PARTIAL REPRESENTATION OF THE FIRE ALARM SYSTEM. PROVIDE THE DESIGN AND INSTALLATION OF A COMPLETE AND FUNCTIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, DRAWINGS, AND ALL APPLICABLE CODES. THE FIRE ALARM VENDOR SHALL PROVIDE LAYOUT DRAWINGS INDICATING THE REQUIRED QUANTITIES AND LOCATIONS OF MANUAL PULL STATIONS, NOTIFICATION APPLIANCES, SMOKE AND HEAT DETECTORS, CONTROL MODULES, INTERFACE MODULES, MODULES FOR SPRINKLER FLOW AND TAMPER SWITCHES, ALL CONTROL PANELS, POWER SUPPLIES, AND ADDITIONAL DEVICES AND EQUIPMENT REQUIRED. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL FINISHES AND REFLECTED CEILING PLANS, INCLUDING ADDITIONAL SMOKE AND HEAT DETECTORS REQUIRED FOR NON-SMOOTH CEILING APPLICATIONS. INCLUDE ALLOWANCES FOR ADJUSTMENT OF DEVICES BY THE ARCHITECT AT THE TIME OF SUBMITTAL TO COORDINATE WITH BUILDING FINISHES AND OTHER CEILING ELEMENTS.
  - REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
  - CONNECT EXIT SIGNS AND NIGHT LIGHTING FIXTURES TO NORMAL LIGHTING BRANCH CIRCUIT SERVICING THE AREA. CONNECT AHEAD OF ANY LIGHTING CONTROL DEVICE OR SYSTEM.
  - PROVIDE TAMPER-RESISTANT TYPE RECEPTACLES FOR RECEPTACLES IN PUBLIC AREAS PER NEC UNLESS OTHERWISE NOTED.
- # CONSTRUCTION KEY NOTES:**
- WALL MOUNTED TV/MONITOR MOUNTING HEIGHT. COORDINATE FINAL HEIGHT WITH ARCHITECT AND ARCHITECTURAL ELEVATIONS.
  - NOT USED
  - FURNITURE FEED. COORDINATE ATTACHMENT/MOUNTING REQUIREMENTS WITH FINAL FURNITURE SHOP DRAWINGS. CONNECT ONE FLOOR BOX PER FURNITURE ROW.
  - DOOR OPERATORS BY OTHERS. PROVIDE RACEWAYS AND BACKBOXES/JUNCTION BOXES AS REQUIRED. COORDINATE WITH SUPPLIER/SHOP DRAWINGS. REFER TO ARCHITECTURAL DOOR HARDWARE.
  - 24 INCH WIDE X 4 INCH DEEP TELECOMMUNICATIONS BASKET STYLE CABLE TRAY ABOVE CEILING. COORDINATE EXACT LOCATION WITH OTHER TRADES BEFORE WORK BEGINS.
  - PROVIDE WALL MOUNTED (OR AS INDICATED) STEEL SURFACE RACEWAY WITH RECEPTACLES (EVERY 2'-0" ON CENTER) AND ALTERNATING CIRCUITS AT APPROX. 7'-0" AFF (MOUNT ABOVE LOCKERS) SIMILAR TO WIREMOLD PLUGMOLD MULTIOUTLET SYSTEM 2000.
  - DOOR CONTROL PANELS. COORDINATE LABELING FOR DOOR PUSHBUTTONS, CONTROL PANELS, AND DOOR ASSIGNMENT WITH ARCHITECT. COORDINATE EXACT REQUIREMENTS WITH SHOP DRAWINGS.
  - MOUNT RECEPTACLE FLUSH TO COUNTER SIDE APPROX. ONE FOOT BELOW COUNTER TOP LIP. ROUTE CIRCUIT UP THROUGH FLOOR SLAB AND INSIDE COUNTER. (TYP OF 3).
  - PROVIDE CONCEALED 1.5" CONDUIT WITH PULL STRING BETWEEN ACCESSIBLE CEILING AND 4"x4" JUNCTION BOX WITH COVER PLATE FOR FUTURE SAUNA 208V POWER CIRCUIT. LABEL CONDUIT TERMINATION AS TO FUTURE USE.
  - ROUTE CONDUIT AND WIRE UP THROUGH FLOOR SLAB TO BELOW COUNTER OUTLETS.
  - PROVIDE RECEPTACLE IN EACH LOCKER. COORDINATE CONDUIT ENTRY, ROUTING, AND FINAL LOCATION OF RECEPTACLE WITH ARCHITECT AND LOCKER SUPPLIER/SHOP DRAWINGS.
  - PROVIDE GFCI REMOTE TEST/RESET DEVICE (WITHOUT RECEPTACLE) FOR CONTROL OF GFCI PROTECTED RECEPTACLES. GFCI REMOTE DEVICE TO BE IN A READILY ACCESSIBLE LOCATION.
  - SHEET METAL CONTRACTOR TO PROVIDE EMPTY 24" SPIRAL DUCT TO ROUTE SHEET METAL, AND ELECTRICAL THROUGH CORRIDOR. COORDINATE WITH SHEET METAL CONTRACTOR TO ENSURE SPACE IS PROVIDED FOR ELECTRICAL AND I.T. CONDUIT. REFER TO ARCHITECTURAL FOR EXACT LOCATION PRIOR INSTALL.
  - 1-1/2" OR 2" CONDUIT TO DORM ROOMS FOR FUTURE STATION ALERT SYSTEM.
  - PROVIDE JUNCTION BOX FOR TRAFFIC SIGNAL CONTROL. LOCATE BY OWNER. PROVIDE A LABEL ON THE FRONT OF THE BOX INDICATING IT IS FOR TRAFFIC SIGNAL CONTROL.
  - LOCATION OF NEW LIGHTING FIXTURE PG1. TO BE BOLTED TO FLOOR. CONNECT TO FLOOR BOX POWER. COORDINATE TYPE AND LOCATION OF LIGHTING CONTROL FOR FIXTURE WITH OWNER/ARCHITECT. PROVIDE LOCAL WALL SWITCH OR CONTROLLED IN COMMON WITH CORRIDOR LIGHTING.

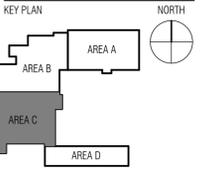
**PARTNERS**



**PARTNERS in Architecture, PLC**  
65 Market Street  
Mount Clemens, MI 48043  
P: 586.469.3600  
F: 586.469.3607

Statement of Intellectual Property  
The ideas, concepts, drawings and thoughts contained herein are the intellectual property of PARTNERS in Architecture, PLC, 65 Market Street, Mount Clemens, MI, 48043 (P:586.469.3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, PLC. This information is protected under U.S. Copyright Law, all rights reserved.  
© Copyright 2024  
THIS DRAWING IS NOT TO BE USED FOR SPECIFICATION FOR "BIDDING / CONSTRUCTION" CONSULTANT

**Peter Basso Associates Inc**  
CONSULTING ENGINEERS  
5145 Livernois, Suite 100  
Troy, Michigan 48069-3276  
Tel: 248-879-5666  
Fax: 248-879-0007  
www.PeterBassoAssociates.com  
PBA Project No. 2022.0372



OWNER  
**Charter Township of Northville**

PROJECT NAME  
**Essential Services Complex - Police & Fire Departments**

40911 7 Mile Road,  
Northville, MI 48168

PROJECT NO.  
**22-146A**

ISSUES / REVISIONS

NO.	DESCRIPTION	DATE
DD/PRIORING		08/18/2023
QA/QC		12/01/2023
95% REVIEW		12/15/2023
BP2 - BIDDING/PERMITTING		01/18/2024
BP2 - ADDENDUM 1		01/26/2024
BP2 - CONSTRUCTION		03/18/2024
CCD 1		04/19/2024
CCD 2		05/02/2024

DRAWN BY  
SAM

CHECKED BY  
LSS

APPROVED BY  
LSS

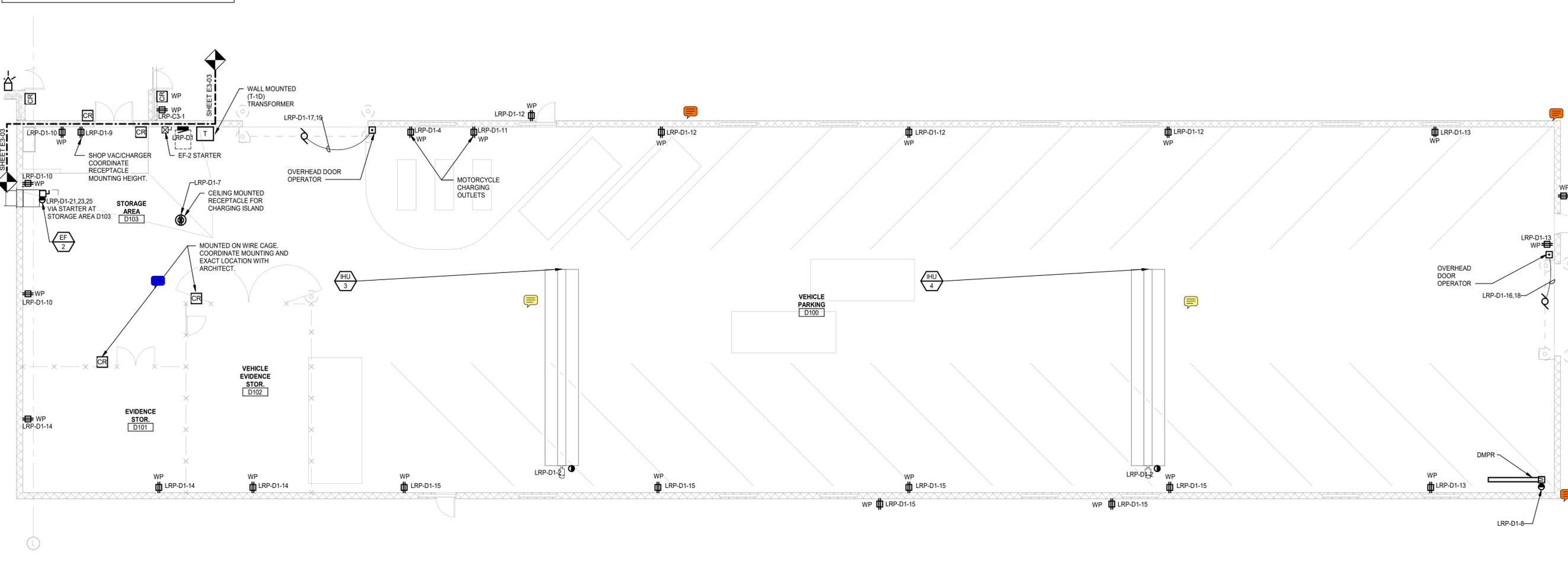
SHEET NAME

**MAIN LEVEL POWER AND AUXILIARY SYSTEMS PLAN - AREA C**

SHEET NO.  
**E3-03**

5/2/2024 10:46:41 AM C:\REV\IT LOCAL FILES\2022-0972\_Northville ESC PDF\ED\_MEP\_123\_northville.rvt

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.



**MAIN LEVEL POWER AND AUXILIARY SYSTEMS PLAN - AREA D**  
SCALE: 1/8" = 1'-0"

**ELECTRICAL GENERAL NOTES:**

- 1 THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
- 2 INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- 3 COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 4 PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
- 5 TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 6 MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 7 COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
- 8 COORDINATE EXACT LOCATIONS OF ALL FLOOR SERVICE FITTINGS AND POKE-THROUGH ASSEMBLIES WITH FINAL FURNITURE LAYOUT DRAWINGS.
- 9 REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.

**ELECTRICAL GENERAL NOTES:**

- 10 REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED FIRE ALARM CONTROL MODULES, DUCT SMOKE DETECTORS, AND MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
- 11 THE FIRE ALARM DEVICES SHOWN ON PLAN ARE A PARTIAL REPRESENTATION OF THE FIRE ALARM SYSTEM. PROVIDE THE DESIGN AND INSTALLATION OF A COMPLETE AND FUNCTIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, DRAWINGS, AND ALL APPLICABLE CODES. THE FIRE ALARM VENDOR SHALL PROVIDE LAYOUT DRAWINGS INDICATING THE REQUIRED QUANTITIES AND LOCATIONS OF MANUAL PULL STATIONS, NOTIFICATION APPLIANCES, SMOKE AND HEAT DETECTORS, CONTROL MODULES, INTERFACE MODULES, MODULES FOR SPRINKLER FLOW AND TAMPER SWITCHES, ALL CONTROL PANELS, POWER SUPPLIES, AND ADDITIONAL DEVICES AND EQUIPMENT REQUIRED. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL FINISHES AND REFLECTED CEILING PLANS, INCLUDING ADDITIONAL SMOKE AND HEAT DETECTORS REQUIRED FOR NON-SMOOTH CEILING APPLICATIONS. INCLUDE ALLOWANCES FOR ADJUSTMENT OF DEVICES BY THE ARCHITECT AT THE TIME OF SUBMITTAL TO COORDINATE WITH BUILDING FINISHES AND OTHER CEILING ELEMENTS.
- 12 REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
- 13 CONNECT EXIT SIGNS AND NIGHT LIGHTING FIXTURES TO NORMAL LIGHTING BRANCH CIRCUIT SERVICING THE AREA. CONNECT AHEAD OF ANY LIGHTING CONTROL DEVICE OR SYSTEM.
- 14 PROVIDE TAMPER-RESISTANT TYPE RECEPTACLES FOR RECEPTACLES IN PUBLIC AREAS PER NEC UNLESS OTHERWISE NOTED.

**# CONSTRUCTION KEY NOTES:**

- 1 WALL MOUNTED TV/MONITOR MOUNTING HEIGHT. COORDINATE FINAL HEIGHT WITH ARCHITECT AND ARCHITECTURAL ELEVATIONS.
- 2 NOT USED
- 3 FURNITURE FEED. COORDINATE ATTACHEMENT/MOUNTING REQUIREMENTS WITH FINAL FURNITURE SHOP DRAWINGS. CONNECT ONE FLOOR BOX PER FURNITURE ROW.
- 4 DOOR OPERATORS BY OTHERS. PROVIDE RACEWAYS AND BACKBOXES/JUNCTION BOXES AS REQUIRED. COORDINATE WITH SUPPLIER/SHOP DRAWINGS. REFER TO ARCHITECTURAL DOOR HARDWARE.
- 5 24 INCH WIDE X 4 INCH DEEP TELECOMMUNICATIONS BASKET STYLE CABLE TRAY ABOVE CEILING. COORDINATE EXACT LOCATION WITH OTHER TRADES BEFORE WORK BEGINS.
- 6 PROVIDE WALL MOUNTED (OR AS INDICATED) STEEL SURFACE RACEWAY WITH RECEPTACLES (EVERY 2'-0" ON CENTER) AND ALTERNATING CIRCUITS AT APPROX. 7'-0" AFF (MOUNT ABOVE LOCKERS.) SIMILAR TO WIREMOLD PLUGMOLD MULTIOUTLET SYSTEM 2000.
- 7 DOOR CONTROL PANELS. COORDINATE LABELING FOR DOOR PUSHBUTTONS, CONTROL PANELS, AND DOOR ASSIGNMENT WITH ARCHITECT. COORDINATE EXACT REQUIREMENTS WITH SHOP DRAWINGS.
- 8 MOUNT RECEPTACLE FLUSH TO COUNTER SIDE APPROX. ONE FOOT BELOW COUNTERTOP LIP. ROUTE CIRCUIT UP THROUGH FLOOR SLAB AND INSIDE COUNTER (TYP OF 3).
- 9 PROVIDE CONCEALED 1.5" CONDUIT WITH PULL STRING BETWEEN ACCESSIBLE CEILING AND 4"x4" JUNCTION BOX WITH COVER PLATE FOR FUTURE SAUNA 208V POWER CIRCUIT. LABEL CONDUIT TERMINATION AS TO FUTURE USE..
- 10 ROUTE CONDUIT AND WIRE UP THROUGH FLOOR SLAB TO BELOW COUNTER OUTLETS.
- 11 PROVIDE RECEPTACLE IN EACH LOCKER. COORDINATE CONDUIT ENTRY, ROUTING, AND FINAL LOCATION OF RECEPTACLE WITH ARCHITECT AND LOCKER SUPPLIER/SHOP DRAWINGS.

**# CONSTRUCTION KEY NOTES:**

- 12 PROVIDE GFCI REMOTE TEST/RESET DEVICE (WITHOUT RECEPTACLE) FOR CONTROL OF GFCI PROTECTED RECEPTACLES. GFCI REMOTE DEVICE TO BE IN A READILY ACCESSIBLE LOCATION.
- 13 SHEET METAL CONTRACTOR TO PROVIDE EMPTY 2" SPIRAL DUCT TO ROUTE SHEET METAL, AND ELECTRICAL THROUGH CORRIDOR, COORDINATE WITH SHEET METAL CONTRACTOR TO ENSURE SPACE IS PROVIDED FOR ELECTRICAL AND I.T. CONDUIT. REFER TO ARCHITECTURAL FOR EXACT LOCATION PRIOR INSTALL.
- 14 1-1/2" OR 2" CONDUIT TO DORM ROOMS FOR FUTURE STATION ALERT SYSTEM.
- 15 PROVIDE JUNCTION BOX FOR TRAFFIC SIGNAL CONTROL. LOCATE BY OWNER. PROVIDE A LABEL ON THE FRONT OF THE BOX INDICATING IT IS FOR TRAFFIC SIGNAL CONTROL.
- 16 LOCATION OF NEW LIGHTING FIXTURE PG1. TO BE BOLTED TO FLOOR. CONNECT TO FLOOR BOX POWER. COORDINATE TYPE AND LOCATION OF LIGHTING CONTROL FOR FIXTURE WITH OWNER/ARCHITECT (PROVIDE LOCAL WALL SWITCH OR CONTROLLED IN COMMON WITH CORRIDOR LIGHTING).

3/18/2024 9:42:19 AM C:\REV\IT LOCAL FILES\2022-0372\_Northville ESC PDF\MEP\_V23\_1\mison\_nv

**PARTNERS**



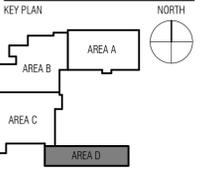
**PARTNERS in Architecture, PLC**  
65 Market Street  
Mount Clemens, MI 48043  
P 586.469.3600  
F 586.469.3607

Statement of Intellectual Property  
The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, PLC, 65 Market Street, Mount Clemens, MI, 48043 (P586-469-3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, PLC. This information is protected under U.S. Copyright Law, all rights reserved.  
© Copyright 2024

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW SPECIFICALLY FOR "BIDDING / CONSTRUCTION"



**Peter Basso Associates Inc**  
CONSULTING ENGINEERS  
5145 Livernois, Suite 100  
Troy, Michigan 48068-3276  
Tel: 248-879-5666  
Fax: 248-879-0007  
www.PeterBassoAssociates.com  
PBA Project No. 2022.0372



OWNER  
**Charter Township of Northville**

PROJECT NAME  
**Essential Services Complex - Police & Fire Departments**

40911 7 Mile Road,  
Northville, MI 48168

PROJECT NO.  
**22-146A**

ISSUES / REVISIONS	
DD/PRING	08/18/2023
QA/QC	12/01/2023
95% REVIEW	12/15/2023
BP2 - BIDDING/PERMITTING	01/18/2024
BP2 - CONSTRUCTION	03/18/2024

DRAWN BY  
SAM

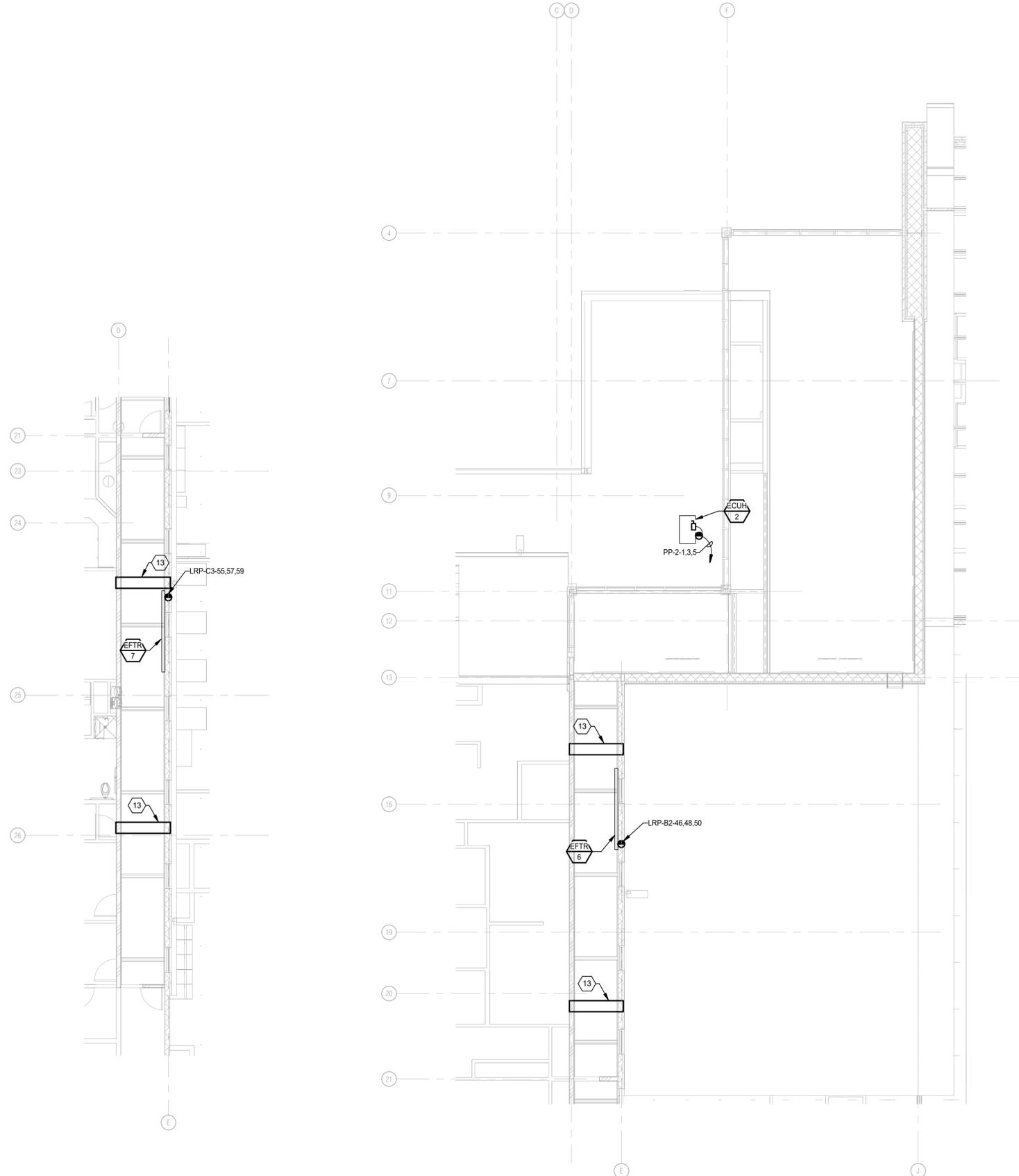
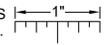
CHECKED BY  
LSS

APPROVED BY  
LSS

SHEET NAME  
**MAIN LEVEL POWER AND AUXILIARY SYSTEMS PLAN - AREA D**

SHEET NO.  
**E3-04**

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.



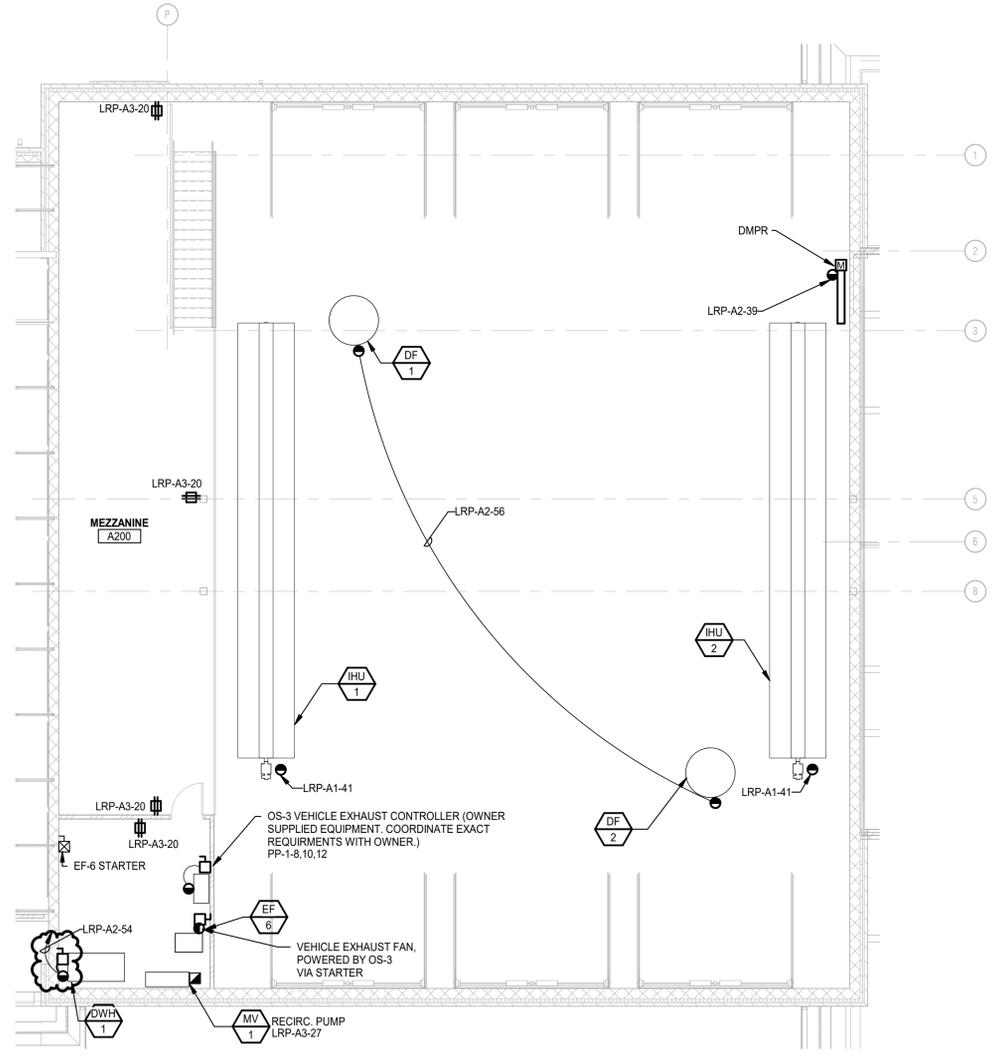
**CLERESTORY POWER AND AUX PLAN - AREA C**  
SCALE: 1/8" = 1'-0"

**CLERESTORY POWER AND AUXILIARY SYSTEMS PLAN - AREA B**  
SCALE: 1/8" = 1'-0"

- # CONSTRUCTION KEY NOTES:**
- 1 WALL MOUNTED TV/MONITOR MOUNTING HEIGHT. COORDINATE FINAL HEIGHT WITH ARCHITECT AND ARCHITECTURAL ELEVATIONS.
  - 2 NOT USED
  - 3 FURNITURE FEED. COORDINATE ATTACHEMENT MOUNTING REQUIREMENTS WITH FINAL FURNITURE SHOP DRAWINGS. CONNECT ONE FLOOR BOX PER FURNITURE ROW.
  - 4 DOOR OPERATORS BY OTHERS. PROVIDE RACEWAYS AND BACKBOXES/JUNCTION BOXES AS REQUIRED. COORDINATE WITH SUPPLIER'S SHOP DRAWINGS. REFER TO ARCHITECTURAL DOOR HARDWARE.
  - 5 24 INCH WIDE X 4 INCH DEEP TELECOMMUNICATIONS BASKET STYLE CABLE TRAY ABOVE CEILING. COORDINATE EXACT LOCATION WITH OTHER TRADES BEFORE WORK BEGINS.
  - 6 PROVIDE WALL MOUNTED (OR AS INDICATED) STEEL SURFACE RACEWAY WITH RECEPTACLES (EVERY 2'-0" ON CENTER) AND ALTERNATING CIRCUITS AT APPROX. 7'-0" AFF (MOUNT ABOVE LOCKERS.) SIMILAR TO WIREMOLD PLUGMOLD MULTIOUTLET SYSTEM 2000.
  - 7 DOOR CONTROL PANELS. COORDINATE LABELING FOR DOOR PUSHBUTTONS, CONTROL PANELS, AND DOOR ASSIGNMENT WITH ARCHITECT. COORDINATE EXACT REQUIREMENTS WITH SHOP DRAWINGS.
  - 8 MOUNT RECEPTACLE FLUSH TO COUNTER SIDE APPROX. ONE FOOT BELOW COUNTERTOP LIP. ROUTE CIRCUIT UP THROUGH FLOOR SLAB AND INSIDE COUNTER. (TYP OF 3).
  - 9 PROVIDE CONCEALED 1.5" CONDUIT WITH PULL STRING BETWEEN ACCESSIBLE CEILING AND 4"x4" JUNCTION BOX WITH COVER PLATE FOR FUTURE SAUNA 208V POWER CIRCUIT. LABEL CONDUIT TERMINATION AS TO FUTURE USE.
  - 10 ROUTE CONDUIT AND WIRE UP THROUGH FLOOR SLAB TO BELOW COUNTER OUTLETS.
  - 11 PROVIDE RECEPTACLE IN EACH LOCKER. COORDINATE CONDUIT ENTRY, ROUTING, AND FINAL LOCATION OF RECEPTACLE WITH ARCHITECT AND LOCKER SUPPLIER'S SHOP DRAWINGS.

**REFER TO SHEET E3-04 FOR GENERAL NOTES**

- # CONSTRUCTION KEY NOTES:**
- 12 PROVIDE GFCI REMOTE TEST/RESET DEVICE (WITHOUT RECEPTACLE) FOR CONTROL OF GFCI PROTECTED RECEPTACLES. GFCI REMOTE DEVICE TO BE IN A READILY ACCESSIBLE LOCATION.
  - 13 SHEET METAL CONTRACTOR TO PROVIDE EMPTY 24" SPIRAL DUCT TO ROUTE SHEET METAL, AND ELECTRICAL THROUGH CORRIDOR, COORDINATE WITH SHEET METAL CONTRACTOR TO ENSURE SPACE IS PROVIDED FOR ELECTRICAL AND I.T. CONDUIT. REFER TO ARCHITECTURAL FOR EXACT LOCATION PRIOR INSTALL.
  - 14 1-1/2" OR 2" CONDUIT TO DORM ROOMS FOR FUTURE STATION ALERT SYSTEM.
  - 15 PROVIDE JUNCTION BOX FOR TRAFFIC SIGNAL CONTROL. LOCATE BY OWNER. PROVIDE A LABEL ON THE FRONT OF THE BOX INDICATING IT IS FOR TRAFFIC SIGNAL CONTROL.
  - 16 LOCATION OF NEW LIGHTING FIXTURE PG1. TO BE BOLTED TO FLOOR. CONNECT TO FLOOR BOX POWER. COORDINATE TYPE AND LOCATION OF LIGHTING CONTROL FOR FIXTURE WITH OWNER/ARCHITECT (PROVIDE LOCAL WALL SWITCH OR CONTROLLED IN COMMON WITH CORRIDOR LIGHTING).



**MEZZANINE POWER AND AUXILIARY SYSTEMS PLAN - AREA A**  
SCALE: 1/8" = 1'-0"

**PARTNERS**

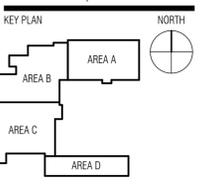


**PARTNERS in Architecture, PLC**  
65 Market Street  
Mount Clemens, MI 48043  
P 586.469.3600  
F 586.469.3607

*Statement of Intellectual Property*  
The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, PLC, 65 Market Street, Mount Clemens, MI, 48043 (P586-469-3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, PLC. This information is protected under U.S. Copyright Law, all rights reserved.

© Copyright 2024  
**THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW SPECIFICALLY FOR "BIDDING / CONSTRUCTION"**

CONSULTANT  
**PBA**  
**Peter Basso Associates Inc**  
CONSULTING ENGINEERS  
5145 Livernois, Suite 100  
Troy, Michigan 48068-3276  
Tel: 248-879-5665  
Fax: 248-879-0007  
www.PeterBassoAssociates.com  
PBA Project No. 2022.0372



OWNER  
**Charter Township of Northville**

PROJECT NAME  
**Essential Services Complex - Police & Fire Departments**

40911 7 Mile Road,  
Northville, MI 48168

PROJECT NO.  
**22-146A**

ISSUES / REVISIONS

DD/PRICING	08/18/2023
QA/QC	12/01/2023
95% REVIEW	12/15/2023
BP2 - BIDDING/PERMITTING	01/18/2024
BP2 - CONSTRUCTION	03/18/2024
CCD 1	04/19/2024

DRAWN BY  
SAM

CHECKED BY  
LSS

APPROVED BY  
LSS

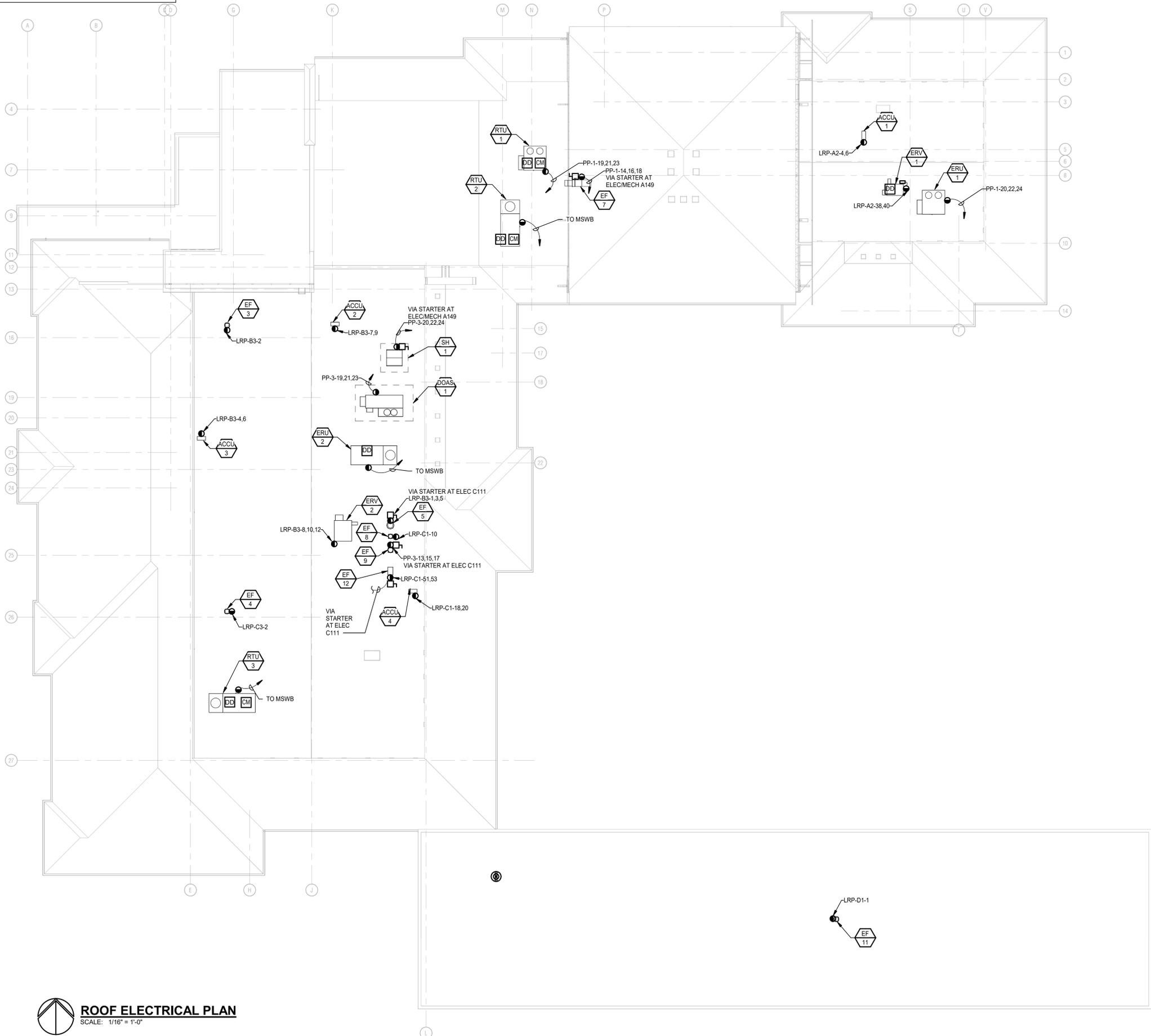
SHEET NAME

**MEZZANINE AND CLERESTORY POWER AND AUXILIARY SYSTEMS PLAN**

SHEET NO.  
**E3-05**

4/18/2024 1:31:17 PM C:\REV\IT LOCAL FILES\2022-0372\_Northville ESC PDPD\_MEP\_123\_samichillFAH\JUN14

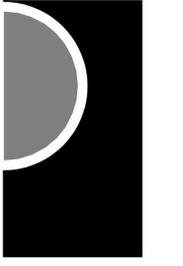
THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.



**ELECTRICAL GENERAL NOTES:**

- 1 THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
  - 2 INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
  - 3 COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
  - 4 PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
  - 5 TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
  - 6 MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
  - 7 COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
  - 8 COORDINATE EXACT LOCATIONS OF ALL FLOOR SERVICE FITTINGS AND POKE-THROUGH ASSEMBLIES WITH FINAL FURNITURE LAYOUT DRAWINGS.
  - 9 REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT, FLOOR CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
  - 10 REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED FIRE ALARM CONTROL MODULES, DUCT SMOKE DETECTORS, AND MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
  - 11 THE FIRE ALARM DEVICES SHOWN ON PLAN ARE A PARTIAL REPRESENTATION OF THE FIRE ALARM SYSTEM. PROVIDE THE DESIGN AND INSTALLATION OF A COMPLETE AND FUNCTIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, DRAWINGS, AND ALL APPLICABLE CODES. THE FIRE ALARM VENDOR SHALL PROVIDE LAYOUT DRAWINGS INDICATING THE REQUIRED QUANTITIES AND LOCATIONS OF MANUAL PULL STATIONS, NOTIFICATION APPLIANCES, SMOKE AND HEAT DETECTORS, CONTROL MODULES, INTERFACE MODULES, MODULES FOR SPRINKLER FLOW AND TAMPER SWITCHES, ALL CONTROL PANELS, POWER SUPPLIES, AND ADDITIONAL DEVICES AND EQUIPMENT REQUIRED. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL FINISHES AND REFLECTED CEILING PLANS, INCLUDING ADDITIONAL SMOKE AND HEAT DETECTORS REQUIRED FOR NON-SMOOTH CEILING APPLICATIONS. INCLUDE ALLOWANCES FOR ADJUSTMENT OF DEVICES BY THE ARCHITECT AT THE TIME OF SUBMITTAL TO COORDINATE WITH BUILDING FINISHES AND OTHER CEILING ELEMENTS.
  - 12 REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
  - 13 CONNECT EXIT SIGNS AND NIGHT LIGHTING FIXTURES TO NORMAL LIGHTING BRANCH CIRCUIT SERVICING THE AREA. CONNECT AHEAD OF ANY LIGHTING CONTROL DEVICE OR SYSTEM.
  - 14 PROVIDE TAMPER-RESISTANT TYPE RECEPTACLES FOR RECEPTACLES IN PUBLIC AREAS PER NEC UNLESS OTHERWISE NOTED.
- # CONSTRUCTION KEY NOTES:**
- 1 WALL MOUNTED TV/MONITOR MOUNTING HEIGHT. COORDINATE FINAL HEIGHT WITH ARCHITECT AND ARCHITECTURAL ELEVATIONS.
  - 2 NOT USED
  - 3 FURNITURE FEED. COORDINATE ATTACHMENT/MOUNTING REQUIREMENTS WITH FINAL FURNITURE SHOP DRAWINGS. CONNECT ONE FLOOR BOX PER FURNITURE ROW.
  - 4 DOOR OPERATORS BY OTHERS. PROVIDE RACEWAYS AND BACKBOXES/JUNCTION BOXES AS REQUIRED. COORDINATE WITH SUPPLIER/SHOP DRAWINGS. REFER TO ARCHITECTURAL DOOR HARDWARE.
  - 5 24 INCH WIDE X 4 INCH DEEP TELECOMMUNICATIONS BASKET STYLE CABLE TRAY ABOVE CEILINGS. COORDINATE EXACT LOCATION WITH OTHER TRADES BEFORE WORK BEGINS.
  - 6 PROVIDE WALL MOUNTED (OR AS INDICATED) STEEL SURFACE RACEWAY WITH RECEPTACLES (EVERY 2'-0" ON CENTER) AND ALTERNATING CIRCUITS AT APPROX. 7'-0" AFF (MOUNT ABOVE LOCKERS.) SIMILAR TO WIREMOLD PLUGMOLD MULTIOUTLET SYSTEM 2000.
  - 7 DOOR CONTROL PANELS. COORDINATE LABELING FOR DOOR PUSHBUTTONS, CONTROL PANELS, AND DOOR ASSIGNMENT WITH ARCHITECT. COORDINATE EXACT REQUIREMENTS WITH SHOP DRAWINGS.
  - 8 MOUNT RECEPTACLE FLUSH TO COUNTER SIDE APPROX. ONE FOOT BELOW COUNTERTOP LIP. ROUTE CIRCUIT UP THROUGH FLOOR SLAB AND INSIDE COUNTER. (TYP OF 3).
  - 9 PROVIDE CONCEALED 1 1/2" CONDUIT WITH PULL STRING BETWEEN ACCESSIBLE CEILING AND 4'X4' JUNCTION BOX WITH COVER PLATE FOR FUTURE SAUNA 208V POWER CIRCUIT. LABEL CONDUIT TERMINATION AS TO FUTURE USE.
  - 10 ROUTE CONDUIT AND WIRE UP THROUGH FLOOR SLAB TO BELOW COUNTER OUTLETS.
  - 11 PROVIDE RECEPTACLE IN EACH LOCKER. COORDINATE CONDUIT ENTRY, ROUTING, AND FINAL LOCATION OF RECEPTACLE WITH ARCHITECT AND LOCKER SUPPLIER/SHOP DRAWINGS.
  - 12 PROVIDE GFCI REMOTE TEST/RESET DEVICE (WITHOUT RECEPTACLE) FOR CONTROL OF GFCI PROTECTED RECEPTACLES. GFCI REMOTE DEVICE TO BE IN A READILY ACCESSIBLE LOCATION.
  - 13 SHEET METAL CONTRACTOR TO PROVIDE EMPTY 24" SPIRAL DUCT TO ROUTE SHEET METAL, AND ELECTRICAL THROUGH CORRIDOR. COORDINATE WITH SHEET METAL CONTRACTOR TO ENSURE SPACE IS PROVIDED FOR ELECTRICAL AND I.T. CONDUIT. REFER TO ARCHITECTURAL FOR EXACT LOCATION PRIOR INSTALL.
  - 14 1-1/2" OR 2" CONDUIT TO DORM ROOMS FOR FUTURE STATION ALERT SYSTEM.
  - 15 PROVIDE JUNCTION BOX FOR TRAFFIC SIGNAL CONTROL. LOCATE BY OWNER. PROVIDE A LABEL ON THE FRONT OF THE BOX INDICATING IT IS FOR TRAFFIC SIGNAL CONTROL.
  - 16 LOCATION OF NEW LIGHTING FIXTURE PG1. TO BE BOLTED TO FLOOR. CONNECT TO FLOOR BOX POWER. COORDINATE TYPE AND LOCATION OF LIGHTING CONTROL FOR FIXTURE WITH OWNER/ARCHITECT (PROVIDE LOCAL WALL SWITCH OR CONTROLLED IN COMMON WITH CORRIDOR LIGHTING).

**PARTNERS**



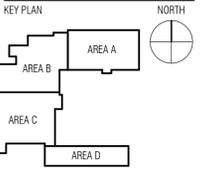
**PARTNERS in Architecture, PLC**  
 65 Market Street  
 Mount Clemens, MI 48043  
 P 586.469.3600  
 F 586.469.3607

*Statement of Intellectual Property*  
 The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, PLC, 65 Market Street, Mount Clemens, MI, 48043 (P586-469-3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, PLC. This information is protected under U.S. Copyright Law, all rights reserved.

© Copyright 2024  
 THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ISSUED BELOW SPECIFICALLY FOR "BIDDING / CONSTRUCTION"

CONSULTANT

**Peter Basso Associates Inc**  
 CONSULTING ENGINEERS  
 5145 Livernois, Suite 100  
 Troy, Michigan 48068-3276  
 Tel: 248-879-5666  
 Fax: 248-879-0007  
 www.PeterBassoAssociates.com  
 PBA Project No. 2022.0372



OWNER  
**Charter Township of Northville**

PROJECT NAME  
**Essential Services Complex - Police & Fire Departments**

40911 7 Mile Road,  
 Northville, MI 48168

PROJECT NO.  
**22-146A**

ISSUES / REVISIONS

DD/PRICING	08/18/2023
QA/QC	12/01/2023
95% REVIEW	12/15/2023
BP2 - BIDDING/PERMITTING	01/18/2024
BP2 - CONSTRUCTION	03/18/2024

DRAWN BY  
 SAM

CHECKED BY  
 LSS

APPROVED BY  
 LSS

SHEET NAME  
**ROOF ELECTRICAL PLAN**

SHEET NO.  
**E4-01**