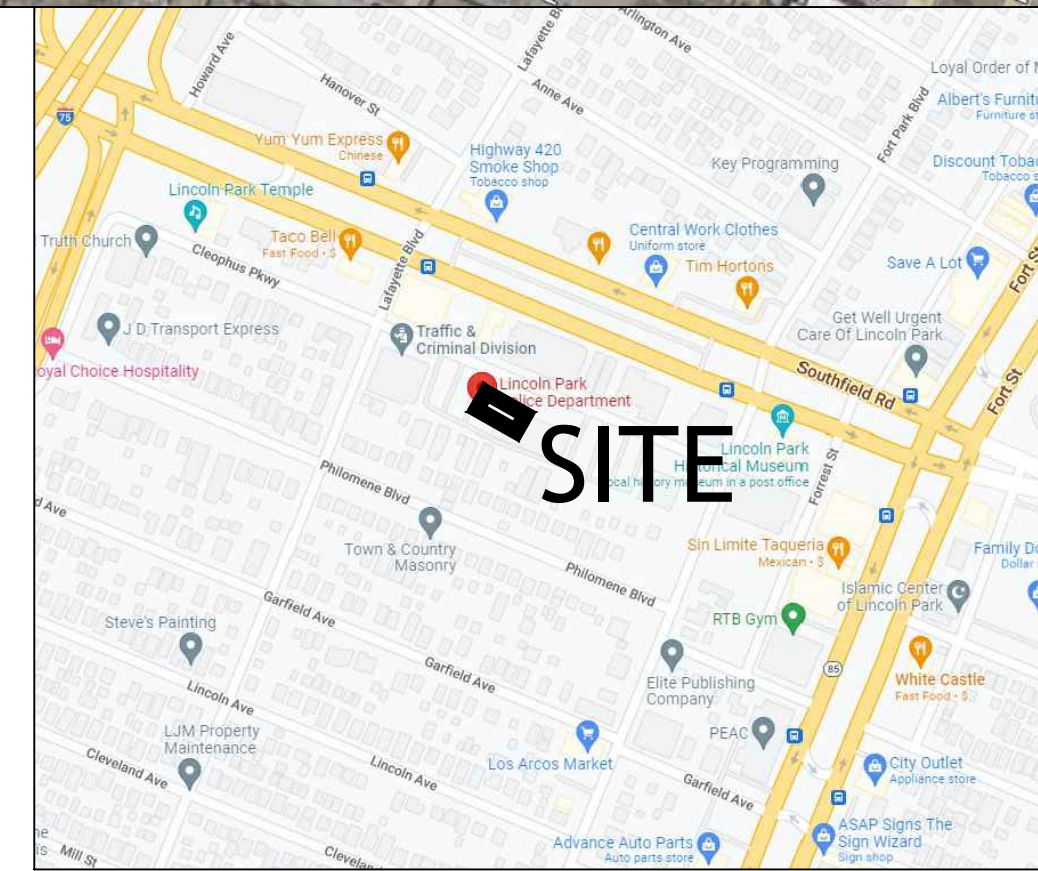


# CITY OF LINCOLN PARK

## POLICE DEPARTMENT RENOVATIONS - PHASE 1

SHEET INDEX	
DWG. NO.	DRAWING DESCRIPTION
TITLE	NOTES AND LEGEND SHEET
C1	SITE PLAN
A1	FOUNDATION AND FLOOR PLAN
A2	PLANS AND ELEVATIONS
A3	SCHEDULES AND DETAILS



### WAYNE COUNTY, MICHIGAN LOCATION MAP



FRONT ELEVATION: \_\_\_\_\_

### CITY OF LINCOLN PARK

Thomas E. Karnes  
Carlos Salcido  
Michael Higgins  
Lylia Ross  
Maureen Tobin  
Tracy Duprey  
Larry Kelsey  
Kerry Kehrer

John Meyers  
Ray Watters

Mayor  
Council President  
Councilman  
Councilwoman  
Councilwoman  
Councilman  
City Clerk

Building Official  
Police Chief

### CODE SUMMARY:

REFERENCE CODE:  
BUILDING: 2015 MICHIGAN BUILDING CODE  
MECHANICAL: 2015 MICHIGAN MECHANICAL CODE  
PLUMBING: 2015 MICHIGAN PLUMBING CODE  
ELECTRICAL: 2014 MICHIGAN ELECTRICAL CODE  
MICHIGAN BARRIER FREE CODE AND MICHIGAN UNIFORM ENERGY CODE

USE GROUP(S): BUSINESS  
USE GROUP B

NUMBER OF EXITS  
CH. 10 MAX. TRAVEL DISTANCE OF 75FT

CONSTRUCTION TYPE: VB

AUTOMATIC SPRINKLERS:  
(X) NONE  
( ) FULL / LIMITED AREA

BUILDING AREA:  
GRADE LEVEL: 3100 SF  
AREA MODIFICATION APPLIED: ( ) YES - (X) NO

DESIGN LOADS:  
ROOF LOAD: 50 PSF  
FLOOR LOAD: 100 PSF  
WIND MAIN FLOOR: 90 MPH

PROJECT NUMBER:	73137
DATE:	10/24/22
SCALE:	AS NOTED
DESIGNED BY:	RDP
DRAWN BY:	RDP
CHECKED BY:	
APPROVED BY:	

### REVISIONS

ENGINEERING FOR RESULTS  
13500 REECK ROAD  
SOUTHGATE, MI 48195  
(734) 759-1600  
FAX (734) 282-6566  
WWW.ENGINEERS.COM



TITLE SHEET  
PROPOSED POLICE STATION ADDITIONS  
CITY OF LINCOLN PARK  
WAYNE COUNTY, MICHIGAN

SHEET  
T-1

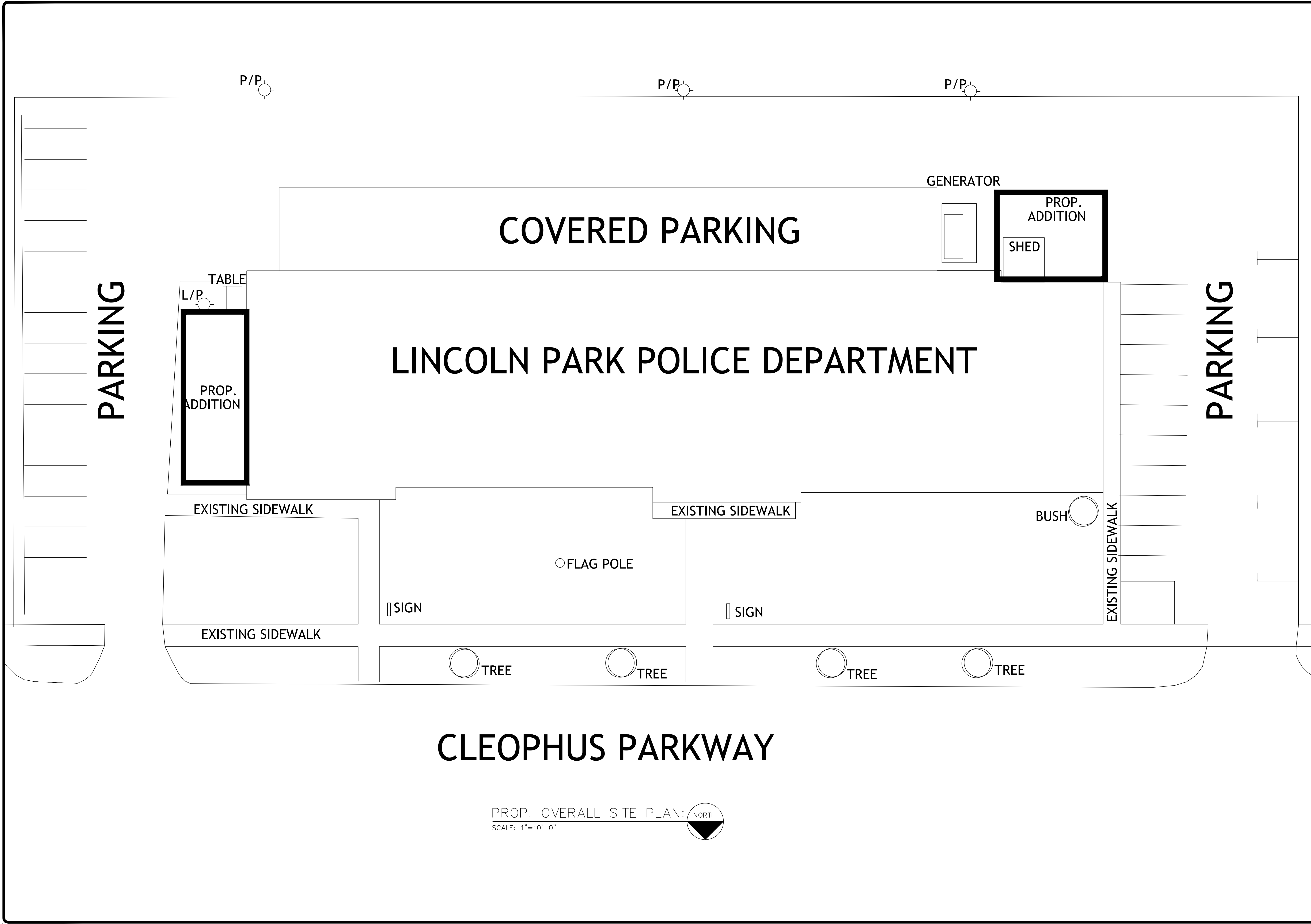
PROJECT NUMBER:  
73137  
DATE:  
10/24/22  
SCALE:  
AS NOTED  
DESIGNED BY:  
RDP  
DRAWN BY:  
RDP  
CHECKED BY:

APPROVED BY:  
  
**REVISIONS**

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WWW.ENGINEERS.COM  
**HENNESSEY ENGINEERS, INC.**

**TITLE**  
OVERALL SITE PLAN  
PROPOSED POLICE STATION ADDITIONS  
CITY OF LINCOLN PARK  
WAYNE COUNTY, MICHIGAN

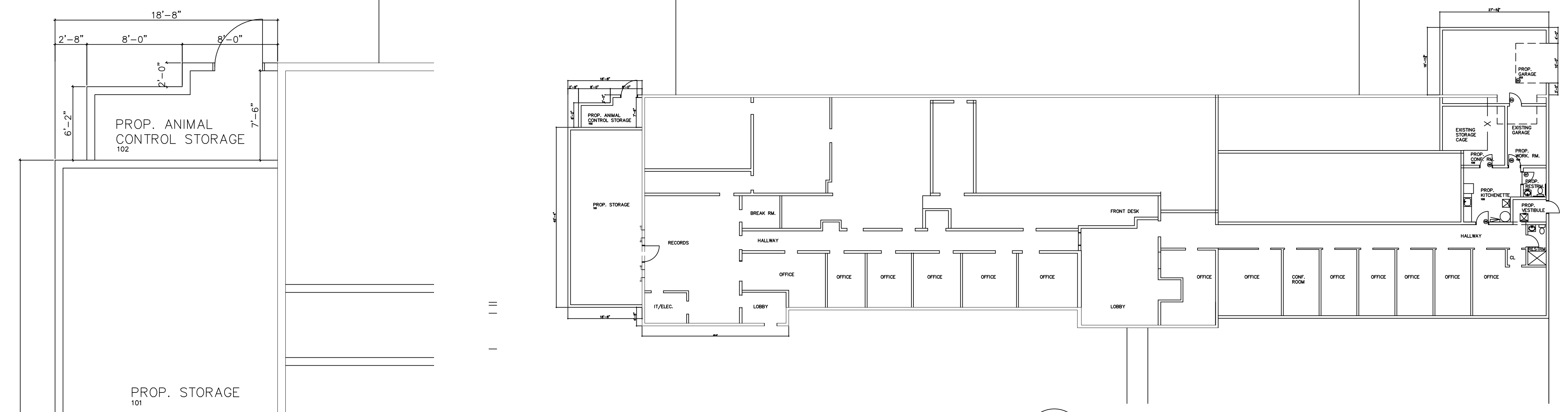
**SHEET**  
C1



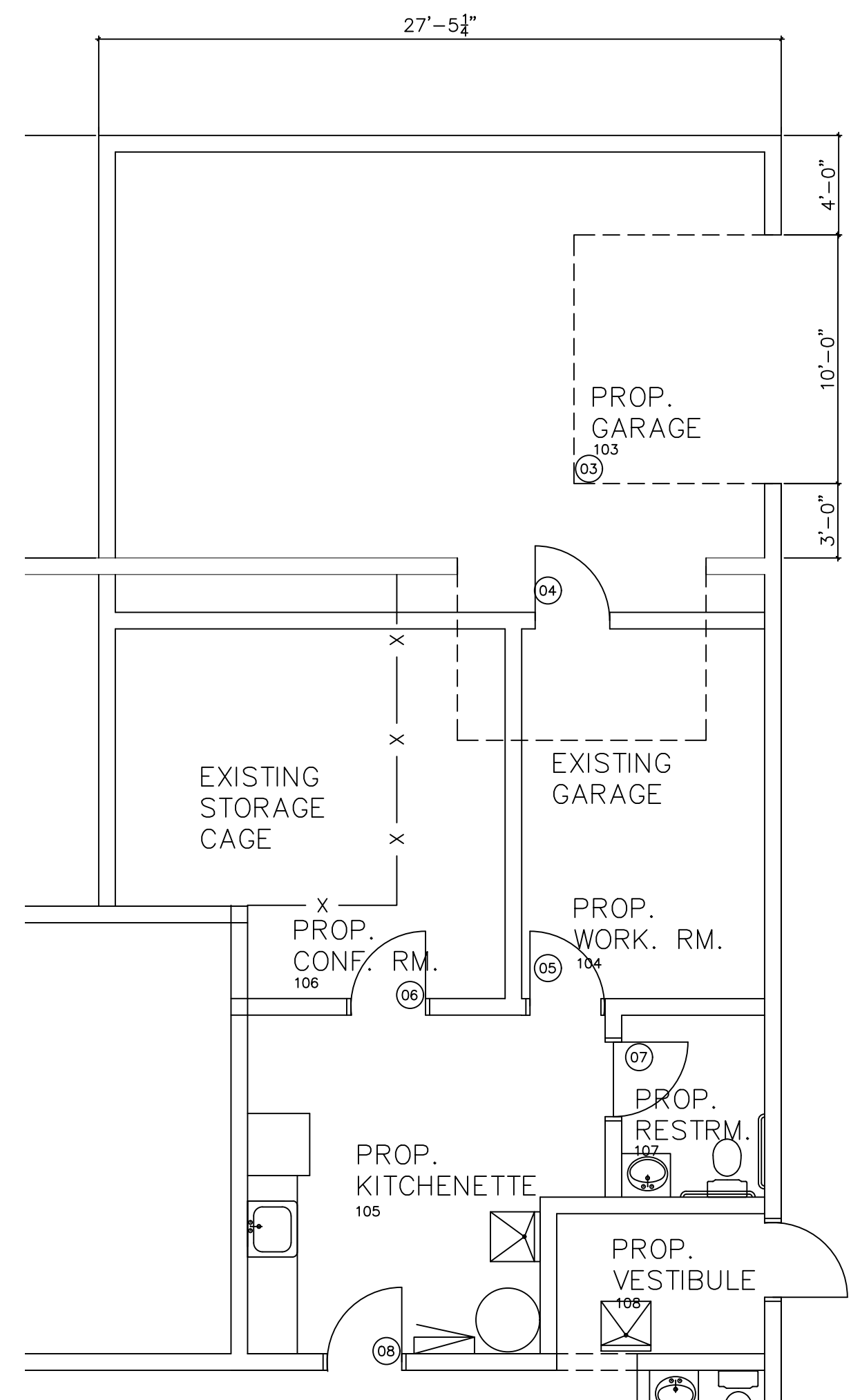
PROP. OVERALL SITE PLAN:   
SCALE: 1"=10'-0"

PROJECT NUMBER:  
73137  
DATE:  
10/24/22  
SCALE:  
AS NOTED  
DESIGNED BY:  
RDP  
DRAWN BY:  
RDP  
CHECKED BY:

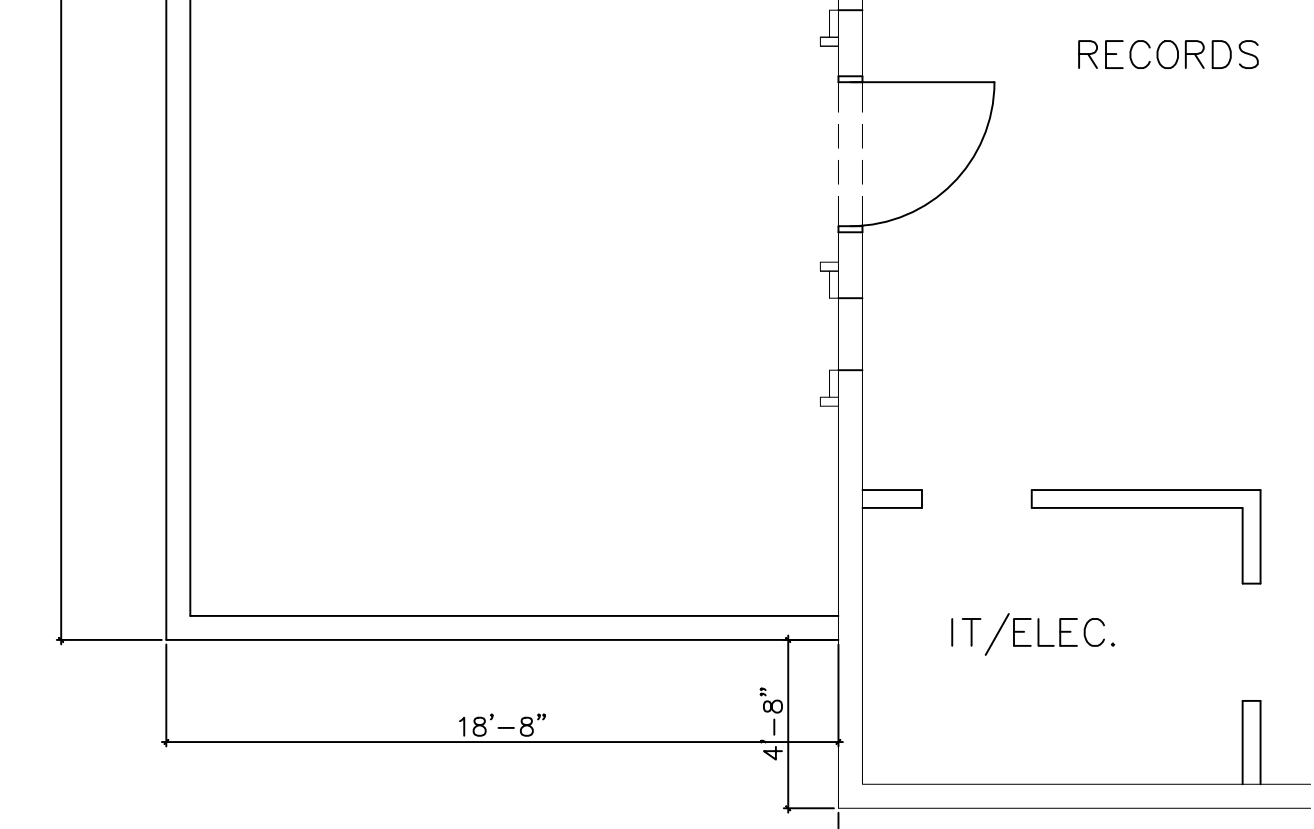
APPROVED BY:  
**REVISIONS**



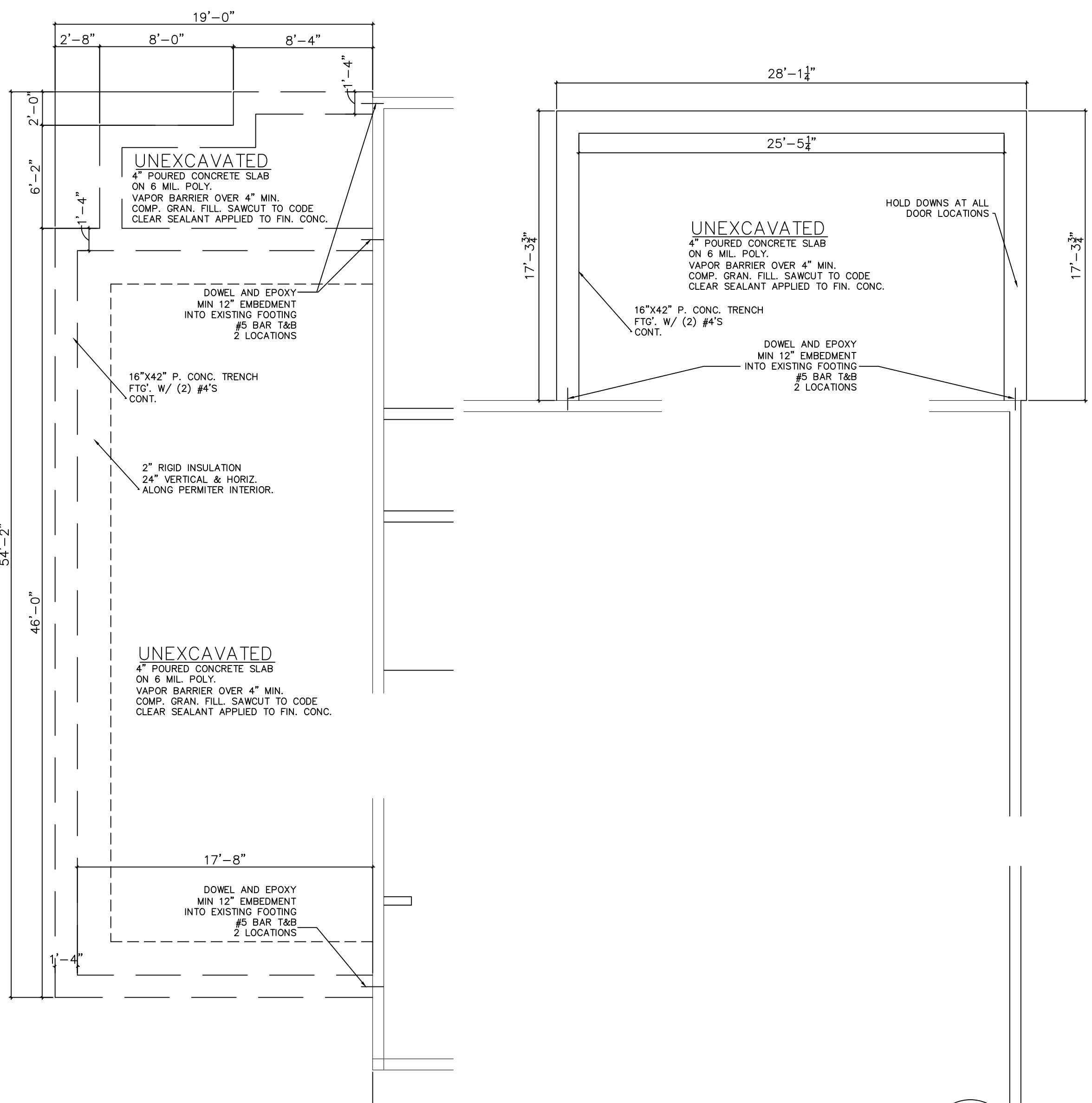
OVERALL FLOOR PLAN:  
SCALE: 3/16"=1'-0"



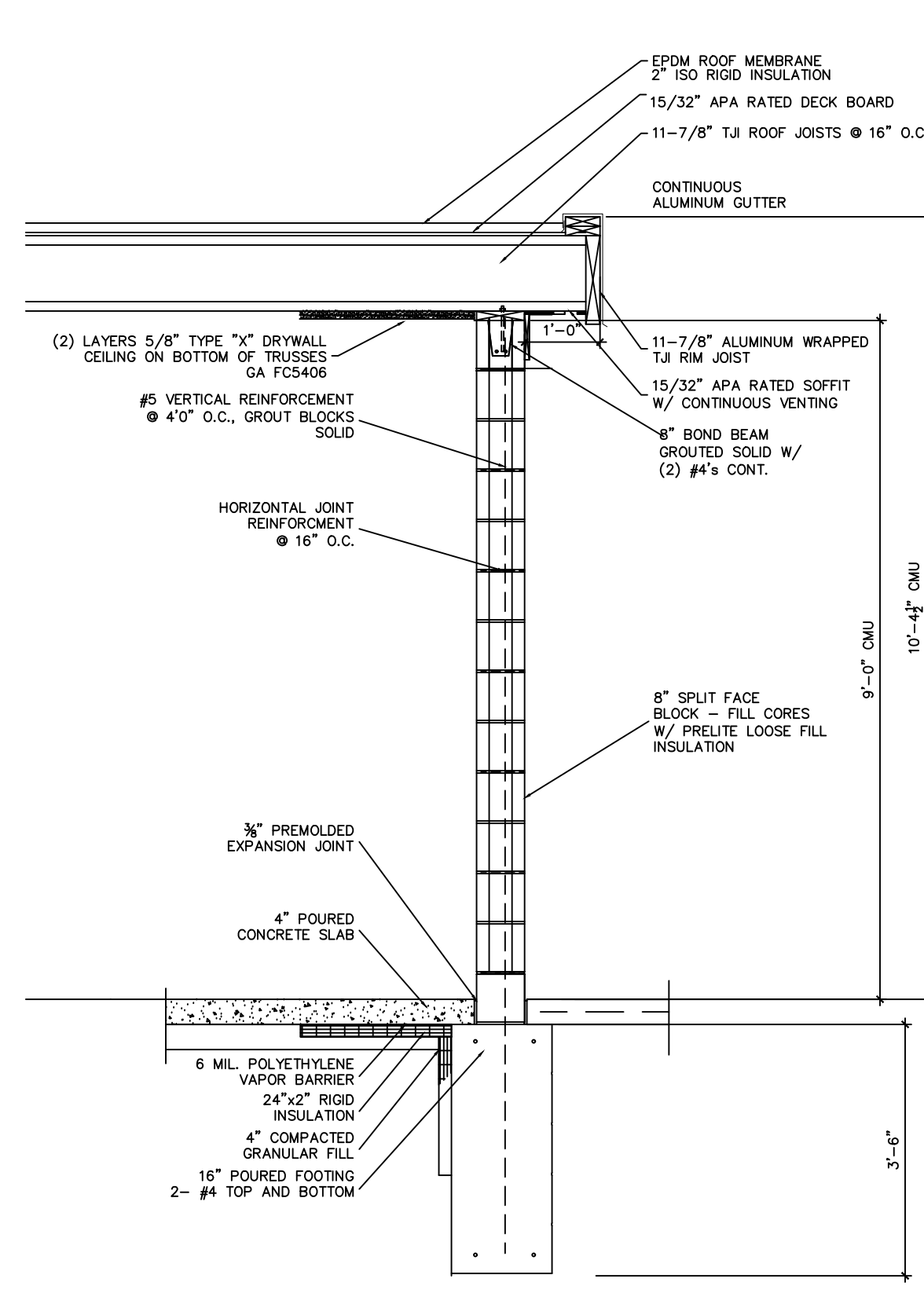
ENLARGED FLOOR PLAN:  
SCALE: 3/16"=1'-0"



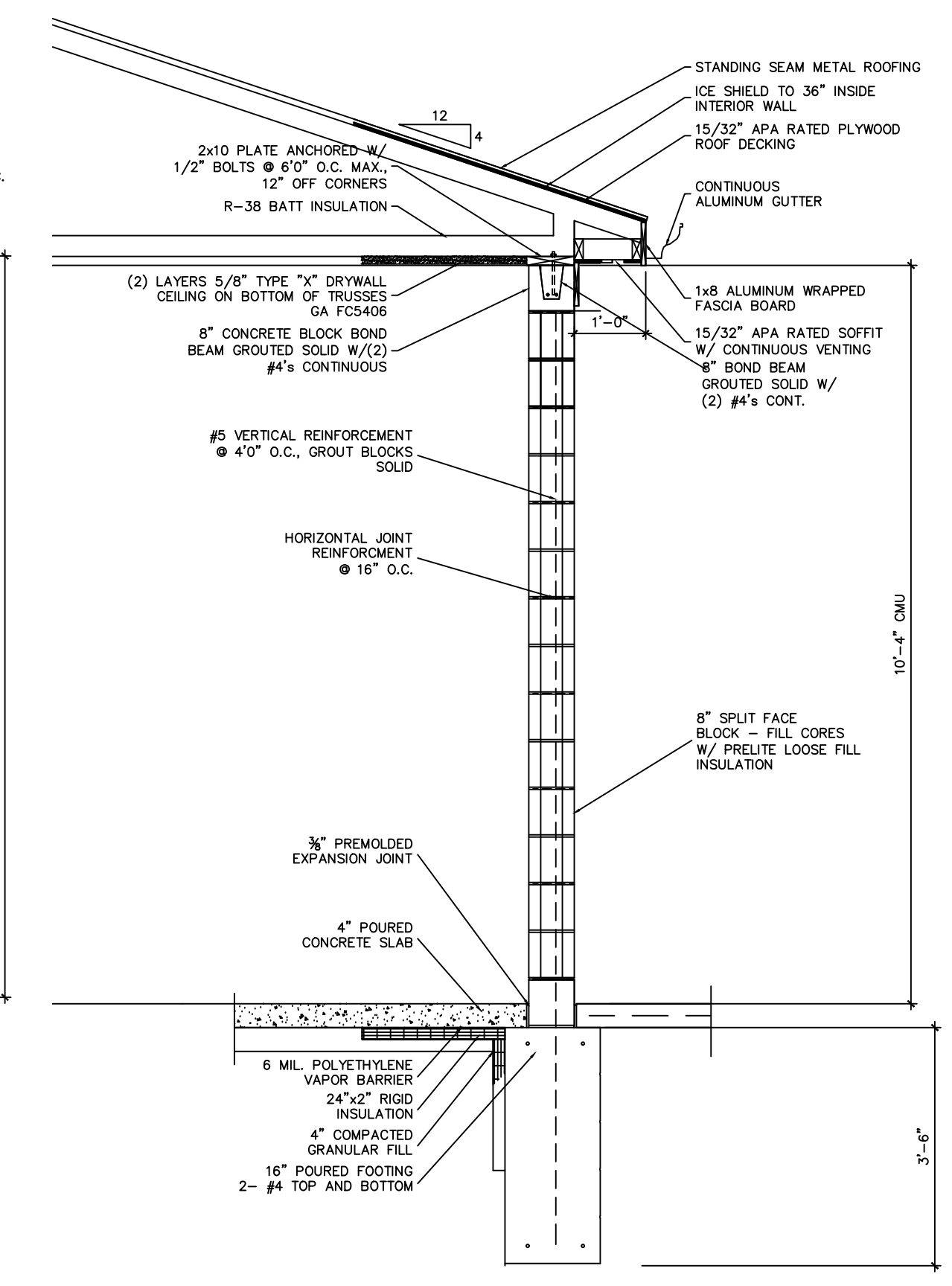
ENLARGED FLOOR PLAN:  
SCALE: 3/16"=1'-0"



PROP. FOUNDATION PLAN:  
SCALE: 3/16"=1'-0"



WALL SECTION 2  
PROP. WALL SECTION AND ALTERNATE:  
SCALE: 1/2"=1'-0"



WALL SECTION 1

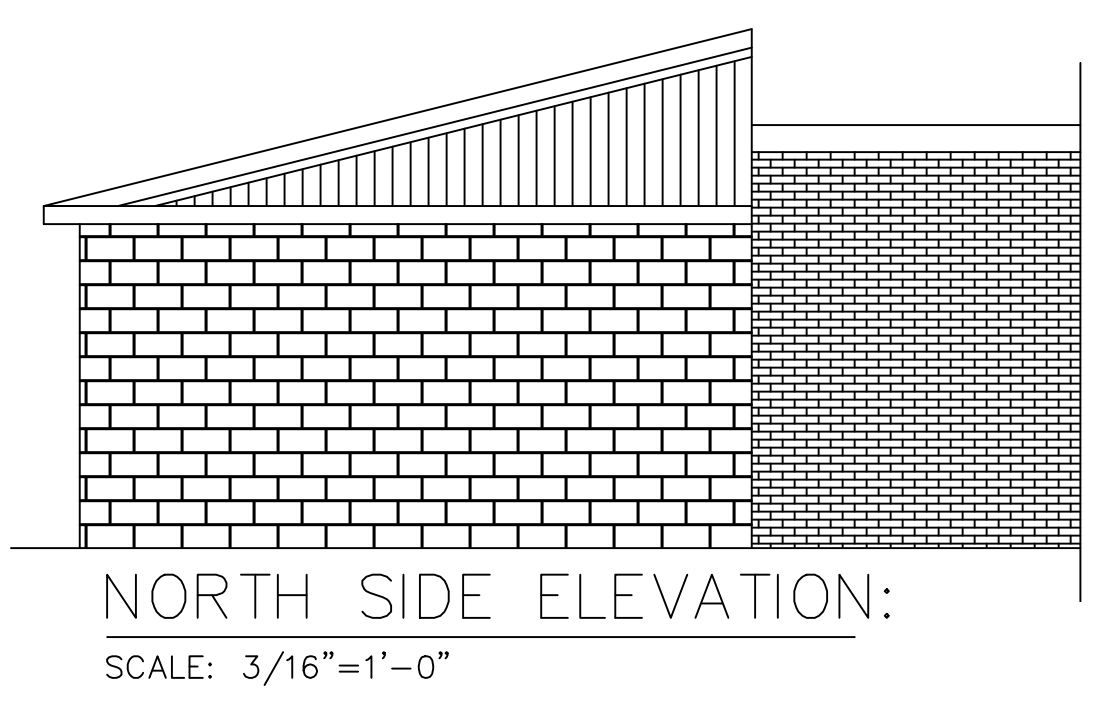
- SOIL BEARING REQUIREMENTS:**
- All top soil, organic and vegetative material should be removed prior to construction. Any required fill shall be clean, granular material compacted to at least 95% of maximum dry density as determined by ASTM D-1527.
  - Foundations bearing on existing soils are designed for a minimum allowable soil bearing capacity of 3000 PSF, unless noted otherwise. The allowable soil bearing capacity must be verified by a registered soils engineer prior to the start of construction and is the responsibility of the owner or contractor.
  - Notify the Building Design Engineer/Architect if the allowable soil bearing capacity is less than 3000 PSF so that the foundations can be redesigned for the new allowable bearing capacity.
- CONCRETE SPECIFICATIONS:**
- All concrete work shall conform to the requirements of ACI 301-84, "Specifications for Structural Concrete for Buildings", except as modified by supplemental requirements.
  - All concrete shall have a minimum of 3000 PSI 28 day compressive strength (517 lbs. cement per cubic yard minimum (5.5 sacks) & a water/cement ratio not to exceed 6 gallons per sack).
  - The use of additives such as Fly Ash or Calcium Chloride is not allowed without prior review from the Engineer.
  - The concrete contractor shall submit the design mix of each type for review by the Engineer and Architect prior to placement.
- STRUCTURAL STEEL SPECIFICATIONS:**
- All structural steel shapes, plates, bars, etc., are to be ASTM A-36 (unless noted otherwise) designed and constructed per the 1989 AISC "Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings", and the latest edition of the AISC "Manual of Steel Construction".
  - All steel pipe columns shall be ASTM A 501, Fy = 36 ksi. All structural tubing shall be ASTM A500 Grade B, Fy = 46 ksi.
  - All welded connections shall conform with the latest AWS D1.1 "Specifications for Welding in Building Construction", and shall utilize E70XX electrodes. Unless noted otherwise.
  - All bolted connections shall utilize ASTM A-325 bolts tightened to a "snug tight" condition (unless noted otherwise).
  - The steel fabricator shall submit shop drawings for review by the Engineer and Architect prior to fabrication. Allow 10 working days minimum for each stage of the review process.
  - The steel erector is solely responsible for the design and installation of all temporary guys, braces, falsework, cribbing and other elements required for the safe and proper installation of all building elements until the structure is permanently braced. The fabricator and erector shall perform all work in accordance with OSHA requirements.
  - The Design Engineer is not responsible for job site safety nor other job site conditions.
  - Verify the exact size and location of all floor and roof openings with mechanical contractor, if required.
  - Verify all existing dimensions and conditions in field prior to construction.

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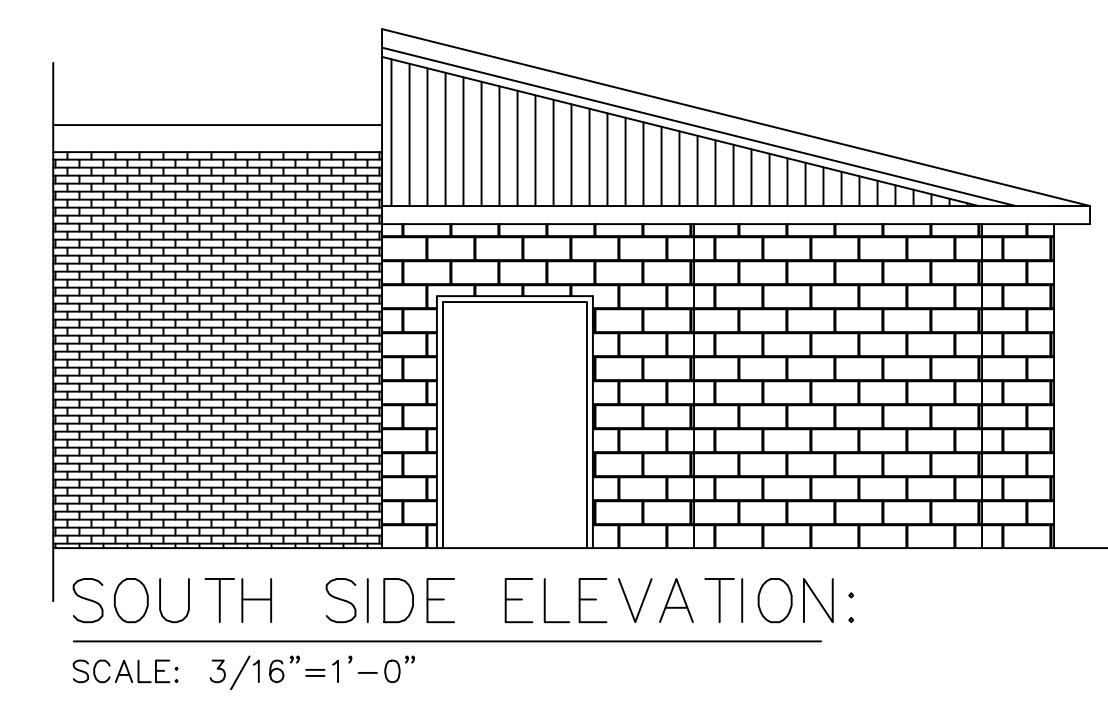
TITLE  
FOUNDATION AND FLOOR PLAN  
POLICE STATION ADDITIONS  
CITY OF LINCOLN PARK  
WAYNE COUNTY, MICHIGAN  
SHEET  
A-1

PROJECT NUMBER:  
73137  
DATE:  
10/24/22  
SCALE:  
AS NOTED  
DESIGNED BY:  
RDP  
DRAWN BY:  
RDP  
CHECKED BY:  
APPROVED BY:

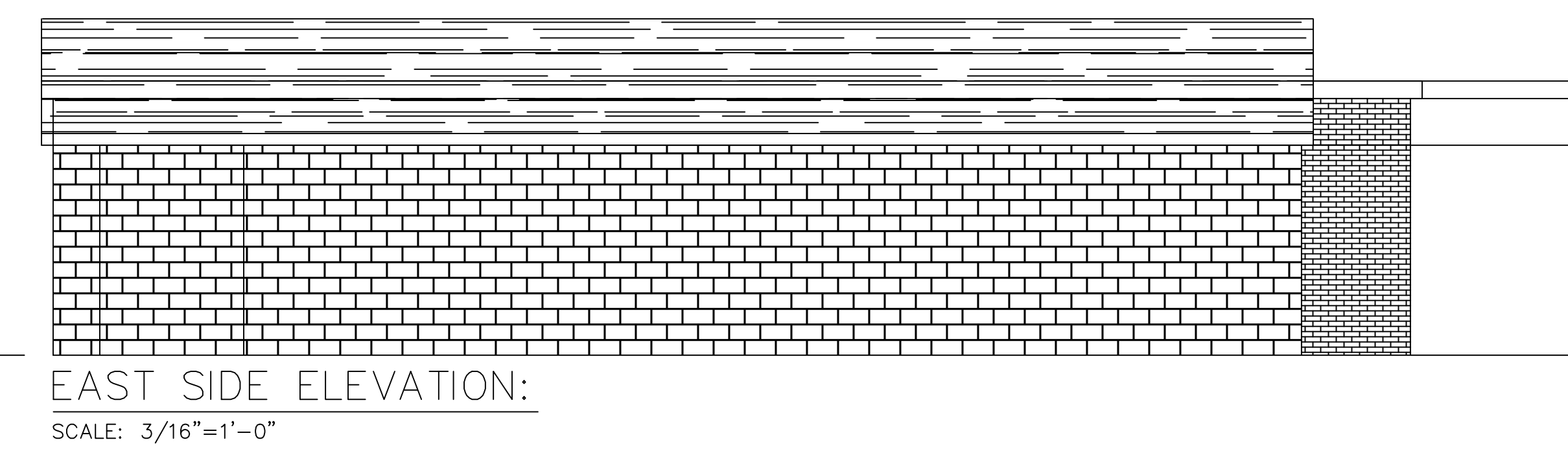
REVISIONS



NORTH SIDE ELEVATION:  
SCALE: 3/16"=1'-0"

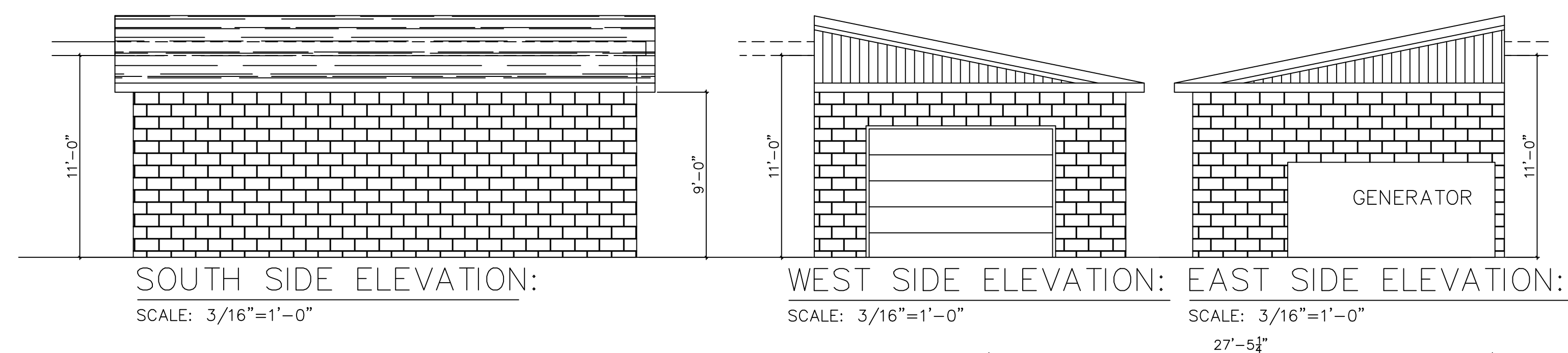


SOUTH SIDE ELEVATION:  
SCALE: 3/16"=1'-0"

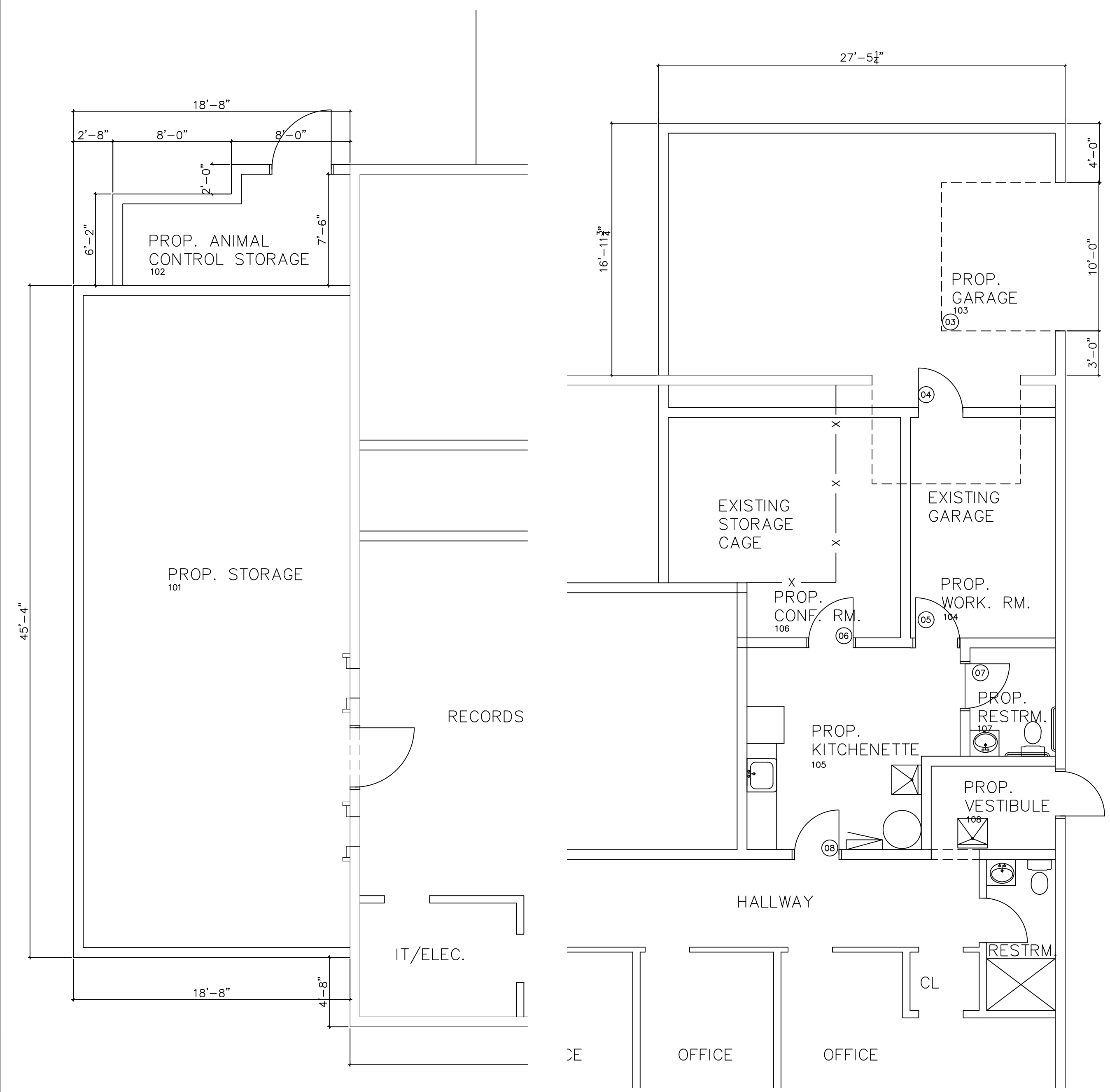


EAST SIDE ELEVATION:  
SCALE: 3/16"=1'-0"

RECORDS STORAGE ADDITION  
ELEVATIONS



GARAGE BAY ADDITION  
ELEVATIONS



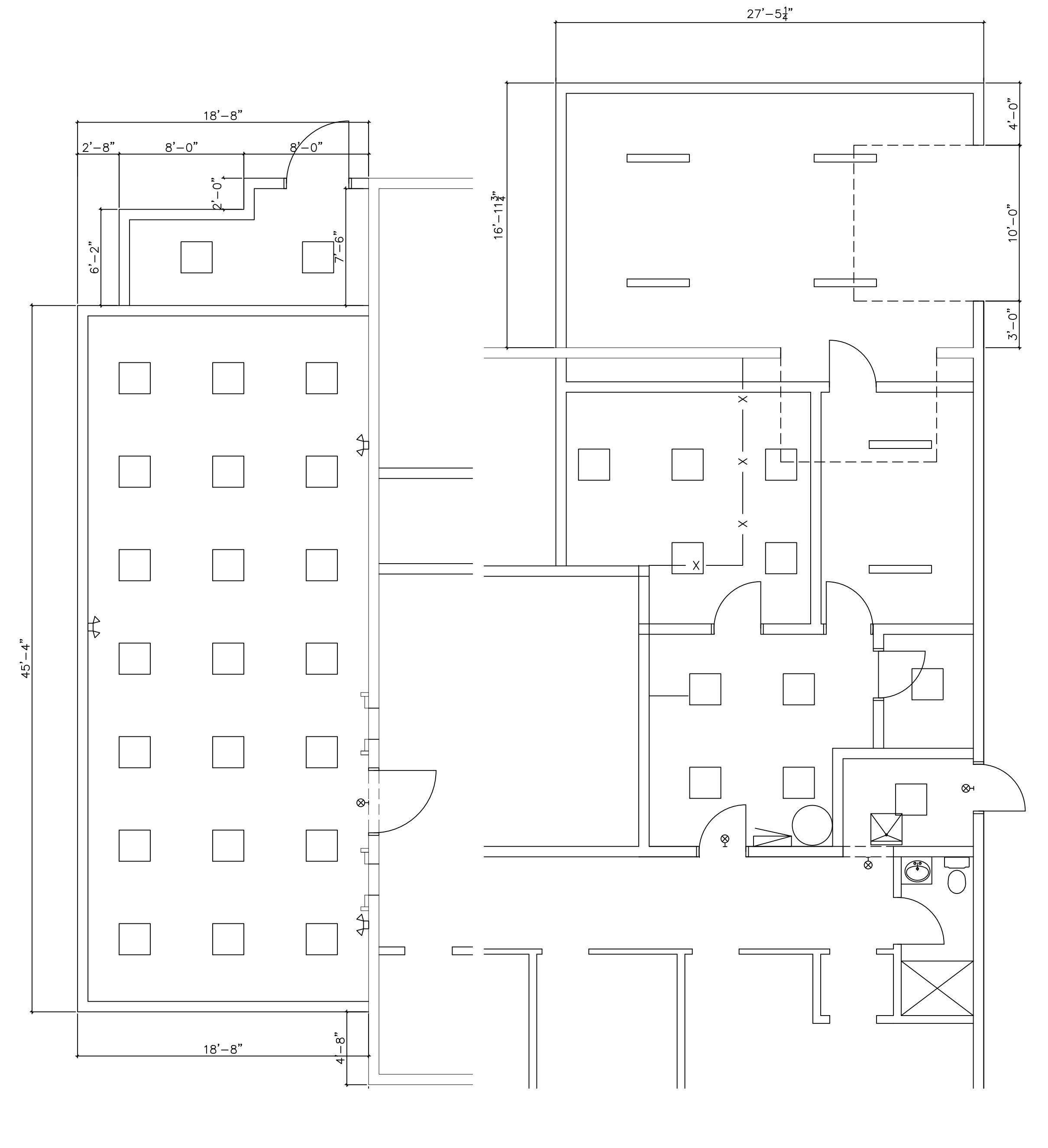
PROP. FLOOR PLANS:  
SCALE: 3/16"=1'-0"

LEGEND

- HVAC SUPPLY DIFFUSER (HOT AIR)
- RETURN AIR GRILLE
- RADIANT FIN TUBE HEATER
- 24"x24" SURFACE MOUNTED LED LIGHT
- LED CAN LIGHT
- RECESSED LIGHT FIXTURE
- EXIT LIGHT FIXTURE
- EMERGENCY LIGHT FIXTURE
- 24" LED STRIP LIGHT

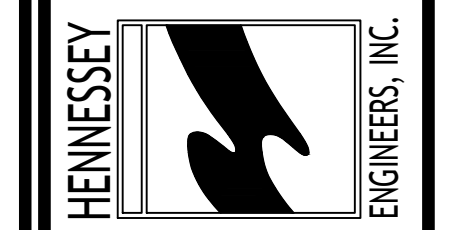
LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING
"A"	2' LED 40W, 5000K LINEAR LIGHT SIMILAR TO LUMEGEN LG-LL40W-U-50K DIMMABLE	SURFACE MOUNTED
"SL"	24" LED STRIP LIGHT	SURFACE MOUNTED
"X"	EXIT LIGHT, RED LETTERS WITH WHITE BACKGROUND, SELF-CONTAINED, 277V, SEALED MAINTENANCE-FREE BATTERY WITH LIGHT EMITTING DIODES, DIRECTIONAL ARROWS AS INDICATED REQUIRED, WHITE POLYCARBONATE HOUSING, LITHONIA #LMSW 3R 120/277 ELN OR APPROVED EQUAL BY HUBBELL	CEILING MOUNTED
"Z"	SELF-CONTAINED EMERGENCY LIGHTING UNIT WITH CHARGER, SEALED MAINTENANCE FREE BATTERY, TWO (2) 12 WATT, 6 VOLT HALOGEN LAMP HEADS, BATTERY SHALL BE CAPABLE OF PROVIDING POWER A MINIMUM OF 90 MINUTES TO THE NUMBER OF HEADS CONNECTED TO THE 120V INPUT, WHITE POLYCARBONATE HOUSING, LITHONIA #BELM2P/H1206 OR APPROVED EQUAL BY HUBBELL	WALL MOUNTED



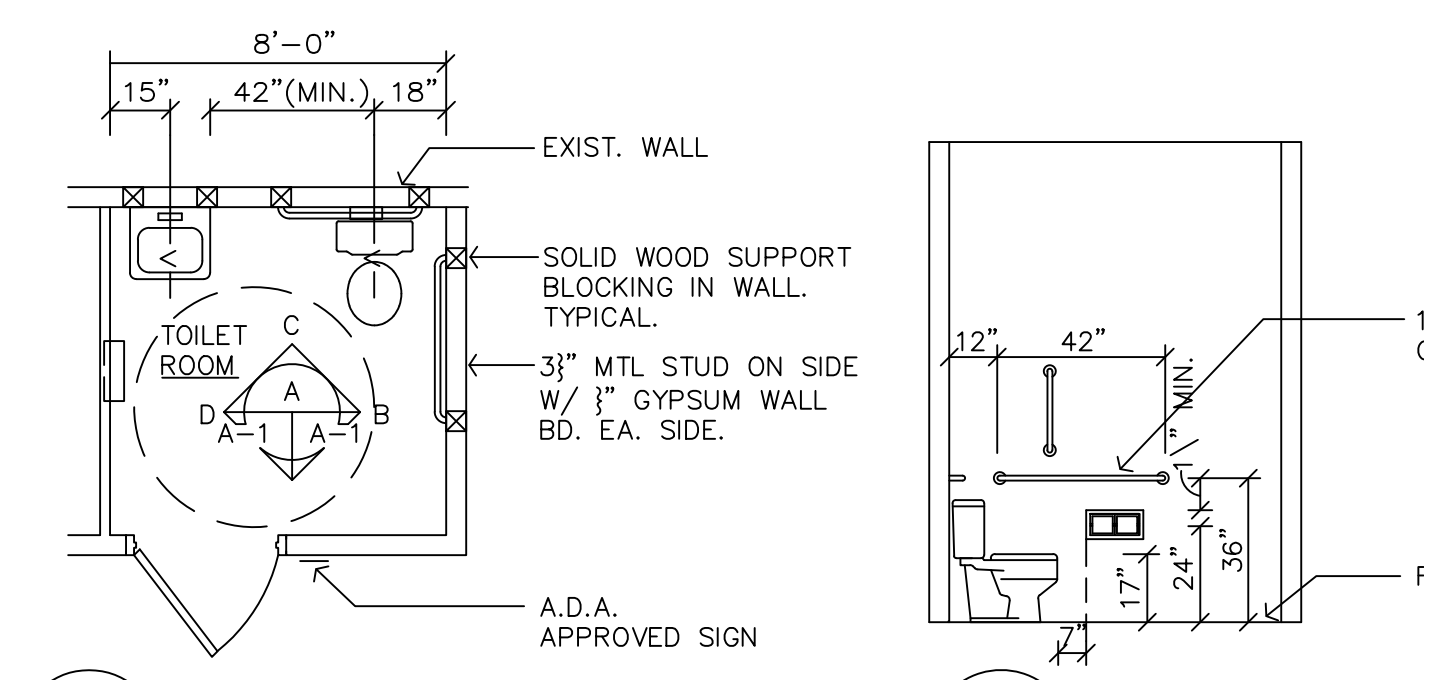
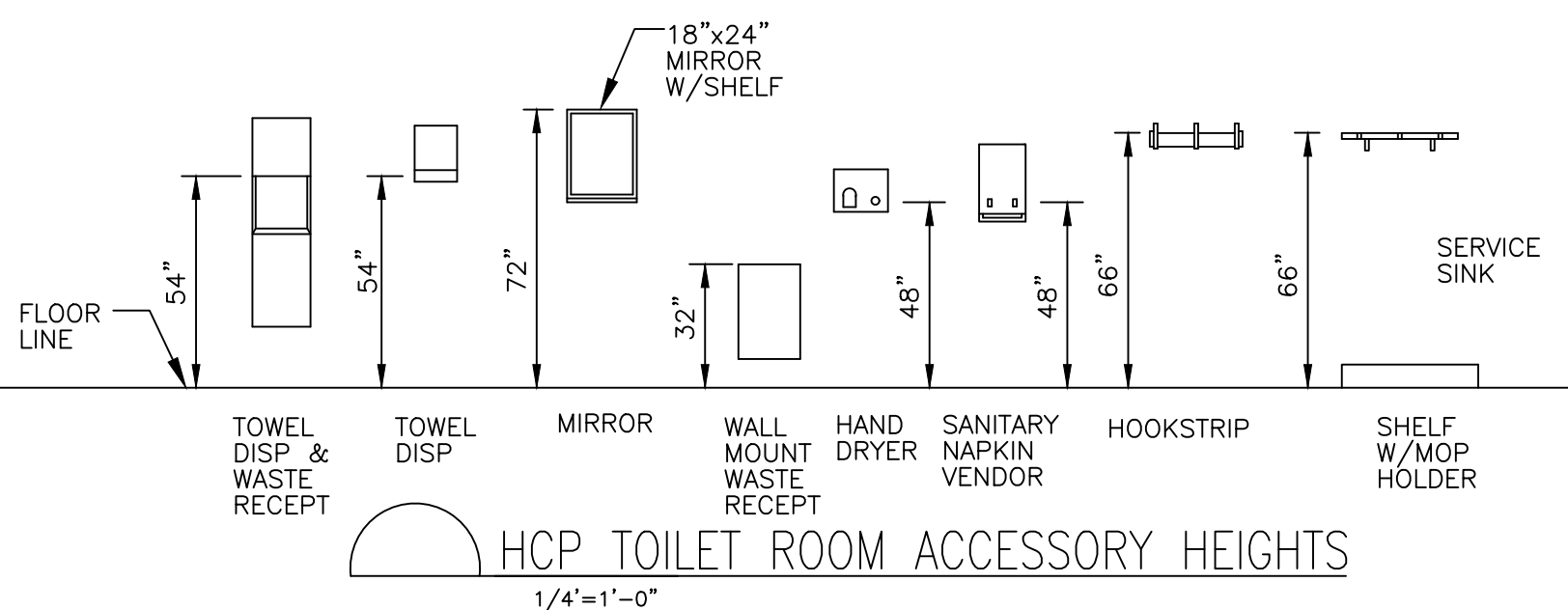
PROP. CEILING PLAN:  
SCALE: 3/16"=1'-0"

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TITLE  
FLOOR PLAN AND ELEVATION  
POLICE STATION ADDITIONS  
CITY OF LINCOLN PARK  
WAYNE COUNTY, MICHIGAN

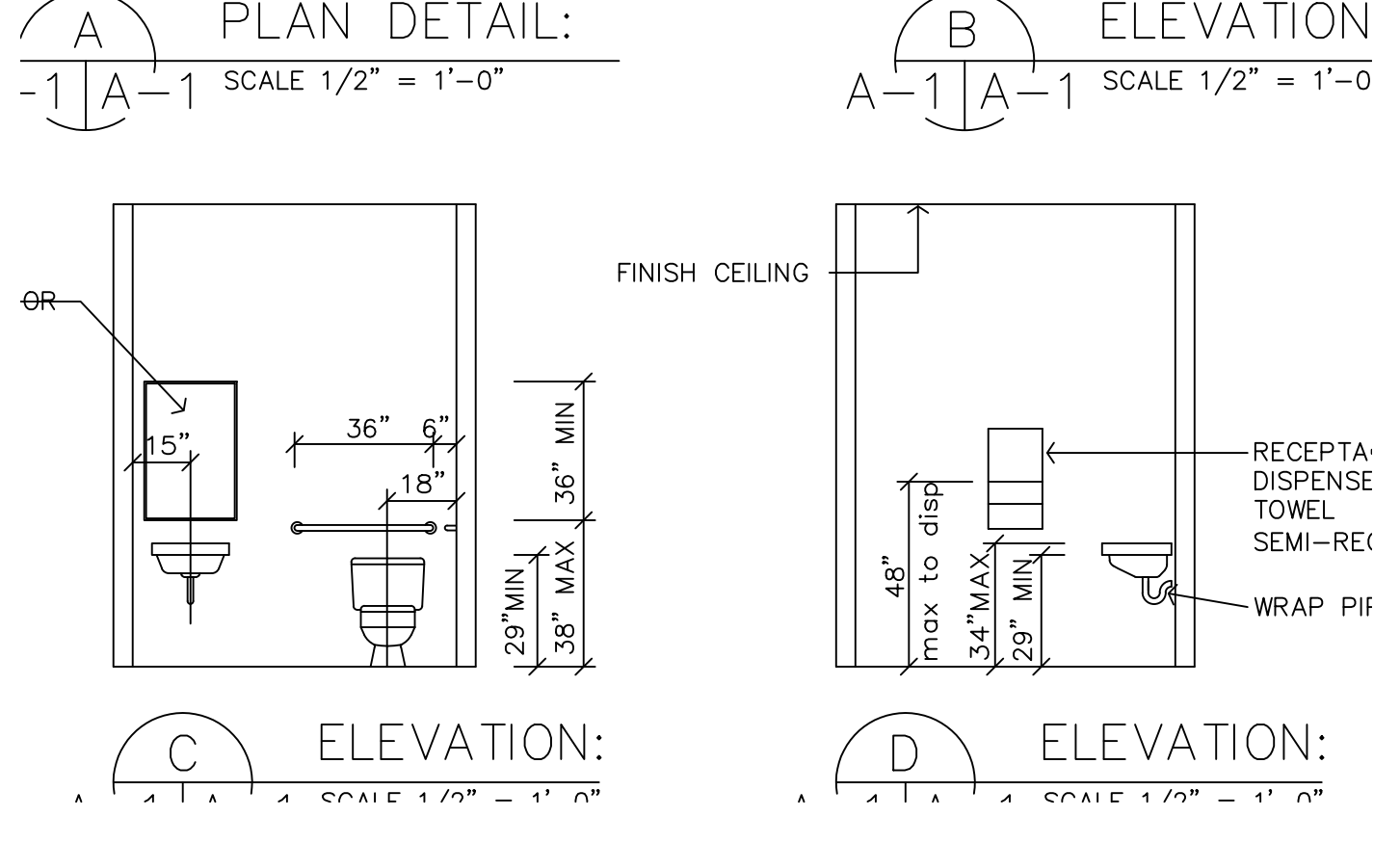
SHEET  
A-2



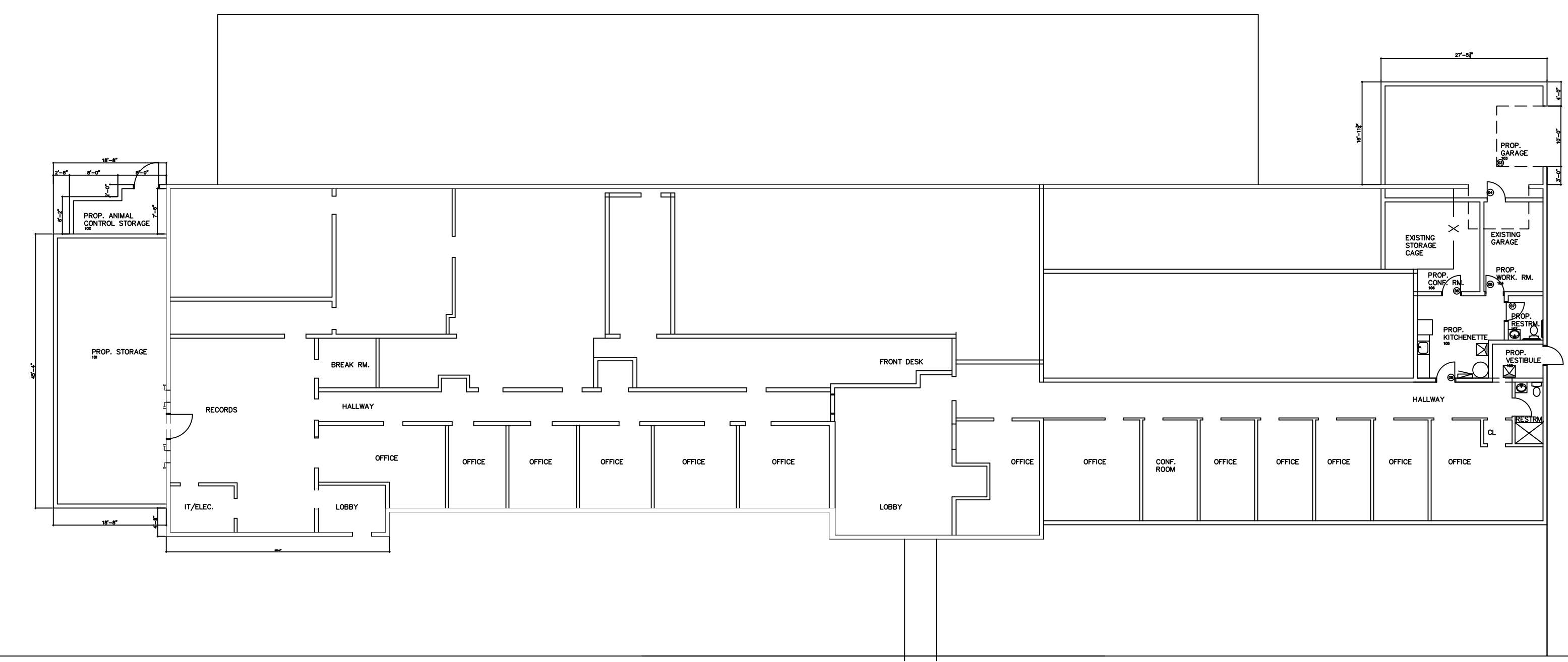
- FIXTURE SCHEDULE:**  
 EQUAL SUBSTITUTES MAY BE SUBMITTED FOR APPROVAL  
 ① ADA TOILET - AMERICAN STANDARD YORKVILLE VORMAX 209AA138 OR EQUAL TANK TOILET  
 ② ADA TOILET - KOHLER KINGSTON ULTRA TOP SPUD FLUSHMETER BOWL - SLOAN REGAL 111-1.6  
 ③ ADA WALL MOUNTED SINK - AMERICAN STANDARD LUCERNE 0355.012.020 - CHICAGO FAUCETS METERING FAUCET 802-335ABCP

- ACCESSORY SCHEDULE:**  
 EQUAL SUBSTITUTES MAY BE SUBMITTED FOR APPROVAL  
 (A) TOILET PAPER DISP. - BOBRICK, MODEL B-2740.  
 (B) GRAB BAR - BOBRICK, MODEL B-6806X42.  
 (C) GRAB BAR - BOBRICK, MODEL B-6806X36.  
 (D) GRAB BAR - BOBRICK, MODEL B-6806X18.VERTICAL  
 (E) SOAP DISPENSER - BOBRICK, MODEL B-2111.  
 (F) COAT HOOKS - BOBRICK, MODEL B-233.  
 (G) HAND DRYER - BOBRICK, MODEL B-7128-115A. SURFACE MOUNTED OR EQUAL.  
 (H) MIRROR - BOBRICK, MODEL B-2908 (TEMPERED) 36"W. X 38"H.  
 (I) TOILET PARTITION WALL  
 (J) URINAL SCREEN PARTITION WALL  
 (K) BABY CHANGING STATION - KOALA KARE KB200

**DESIGN INTENT:**  
 -

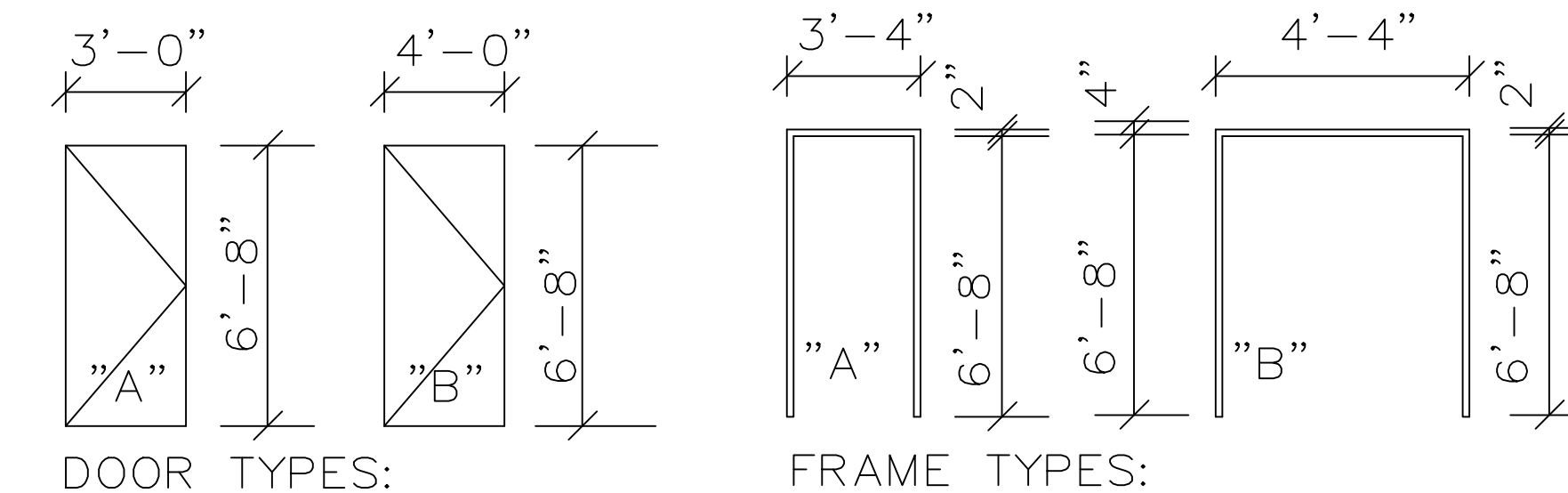


RM NO.	ROOM NAME	BASE	FLOOR	WALLS				FIN.	CEILING		REMARKS
				NORTH	EAST	SOUTH	WEST		MAT.	HT.	
101	PROP. STORAGE	NONE	EPOXY	CMU-1	CMU-1	CMU-1	CMU-1	P-1	GWB	-	PAINT WALLS, & GWB CEILINGS
102	PROP. ANIMAL ST	NONE	EPOXY	CMU-1	CMU-1	CMU-1	CMU-1	P-1	GWB	-	PAINT WALLS, & GWB CEILINGS
103	PROP. GARAGE	NONE	CONC	CMU-1	CMU-1	CMU-1	CMU-1	P-1	GWB	-	PAINT WALLS, & GWB CEILINGS
104	PROP. WORK AREA	NONE	CONC	CMU-1	CMU-1	CMU-1	CMU-1	P-1	GWB	-	PAINT WALLS, & GWB CEILINGS
105	PROP. KITCHENETTE	NONE	VCT	CMU-1	CMU-1	CMU-1	CMU-1	P-1	GWB	-	PAINT WALLS, & GWB CEILINGS
106	PROP. CONF. RM	NONE	CARPET	CMU-1	CMU-1	CMU-1	CMU-1	P-1	GWB	-	PAINT WALLS, & GWB CEILINGS
107	PROP. RESTROOM	NONE	VCT	CMU-1	CMU-1	CMU-1	CMU-1	P-1	GWB	-	PAINT WALLS, & GWB CEILINGS
108	PROP. VESTIBULE	NONE	VCT	CMU-1	CMU-1	CMU-1	CMU-1	P-1	GWB	-	PAINT WALLS, & GWB CEILINGS



DOOR NO.	DOOR SIZE	DOOR		FRAME		DET. NO.	LABEL	HWDR NO.	REMARKS
		TYPE	MAT'L	TYPE	MAT'L				
01	4'-0" X 7'-0" X 1 3/4"	B	HM	B	HM	-	-	-	NEW DOOR, FRAME & HARDWARE
02	4'-0" X 7'-0" X 1 3/4"	B	HM	B	HM	-	-	-	NEW DOOR, FRAME & HARDWARE
03	8'-0" X 7'-0" O.H.	OVHD	STL	-	-	-	-	-	NEW INSULATED OVERHEAD SECTIONAL DOOR
04	3'-0" X 7'-0" X 1 3/4"	A	HM	A	HM	-	-	-	NEW DOOR, FRAME & HARDWARE
05	3'-0" X 7'-0" X 1 3/4"	A	HM	A	HM	-	-	-	NEW DOOR, FRAME & HARDWARE
06	3'-0" X 7'-0" X 1 3/4"	A	HM	A	HM	-	-	-	NEW DOOR, FRAME & HARDWARE
07	3'-0" X 7'-0" X 1 3/4"	A	HM	A	HM	-	-	-	NEW DOOR, FRAME & HARDWARE
08	3'-0" X 7'-0" X 1 3/4"	A	HM	A	HM	-	-	-	NEW DOOR, FRAME & HARDWARE

- HARDWARE SETS**  
 1) HINGES: CONTINUOUS BY MFR.  
 PANIC HARDWARE  
 CLOSER: HEAD TYPE  
 LOCK: CYLINDER TYPE  
 ELECTROMECHANICAL OPENER  
 ADA ACTUATOR EACH SIDE  
 ADA PUSH/PULL HANDLES (EXTERIOR)  
 ADA ALUM. THRESHHOLD  
 INTERIOR - PRIVACY  
 2) HINGES: CONTINUOUS BY MFR.  
 CLOSER: HEAD TYPE  
 LOCK: IN HANDLE  
 ADA PUSH/PULL HANDLES EACH SIDE  
 ADA ALUM. THRESHHOLD  
 EXTERIOR - PRIVACY  
 3) HINGES: CONTINUOUS BY MFR.  
 CLOSER: HEAD TYPE  
 LOCK: CYLINDER  
 ADA PUSH/PULL HANDLES EACH SIDE  
 ADA ALUM. THRESHHOLD  
 STORAGE  
 4) HINGES: CONTINUOUS BY MFR.  
 CLOSER: HEAD TYPE  
 LOCK: CYLINDER  
 LEVER HANDLES



PROP. OVERALL PLAN:  
 SCALE: 1/8"=1'-0"  
 NORTH

PROJECT NUMBER: 73137  
 DATE: 10/24/22  
 SCALE: AS NOTED  
 DESIGNED BY: RDP  
 DRAWN BY: RDP  
 CHECKED BY:  
 APPROVED BY:  
**REVISIONS**

**ENGINEERING FOR RESULTS**  
 13500 REECK ROAD  
 SOUTHGATE, MI 48195  
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**FLOOR PLAN AND SCHEDULES**  
**POLICE STATION ADDITION**  
 CITY OF LINCOLN PARK  
 WAYNE COUNTY, MICHIGAN

TITLE SHEET  
**A-3**