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INNOVATIVE ENGINEERING SERVICES, LLC
MEP Consulting Engineers
 139 Middletown Avenue
 North Haven, CT 06473
 T: 203.234.8977

NOTES

REVISIONS

PRELIMINARY NOT FOR CONSTRUCTION
 THIS COMPUTER FILE/DRAWING IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT INTENDED FOR CONSTRUCTION. DO NOT START CONSTRUCTION WITHOUT A SEALED SET OF CONSTRUCTION DOCUMENTS FROM THE ARCHITECT.

FEASIBILITY STUDY FOR THE EXISTING FACILITY
RIDGEFIELD POLICE HEADQUARTERS
 76 EAST RIDGE AVENUE
 RIDGEFIELD, CT 06877

BASEMENT LEVEL EXISTING FLOOR PLAN

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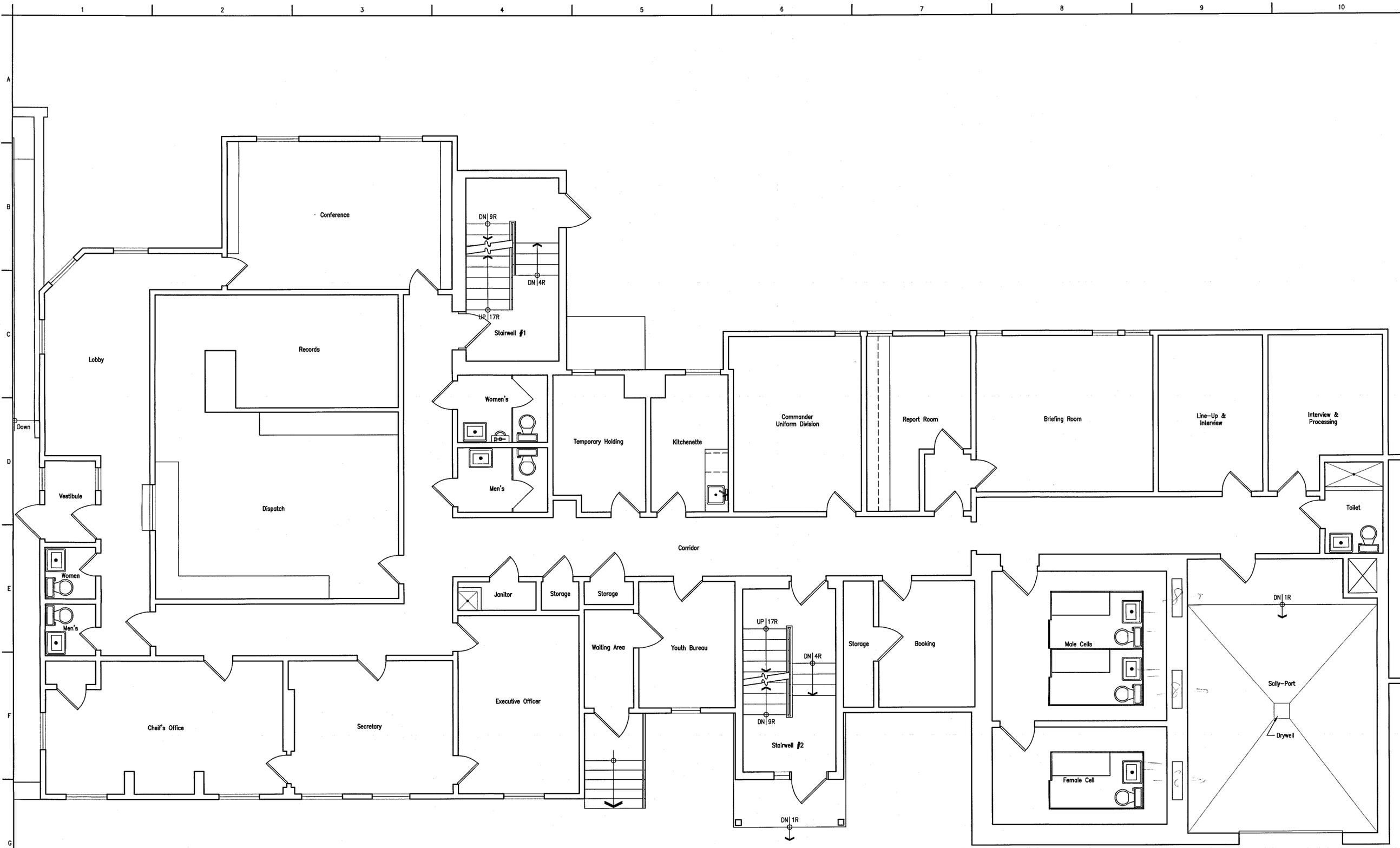
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SHEET

AX.1

H1
AX.1
BASEMENT LEVEL PLAN
 1/4" = 1'-0"





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FIRST FLOOR EXISTING FLOOR PLAN

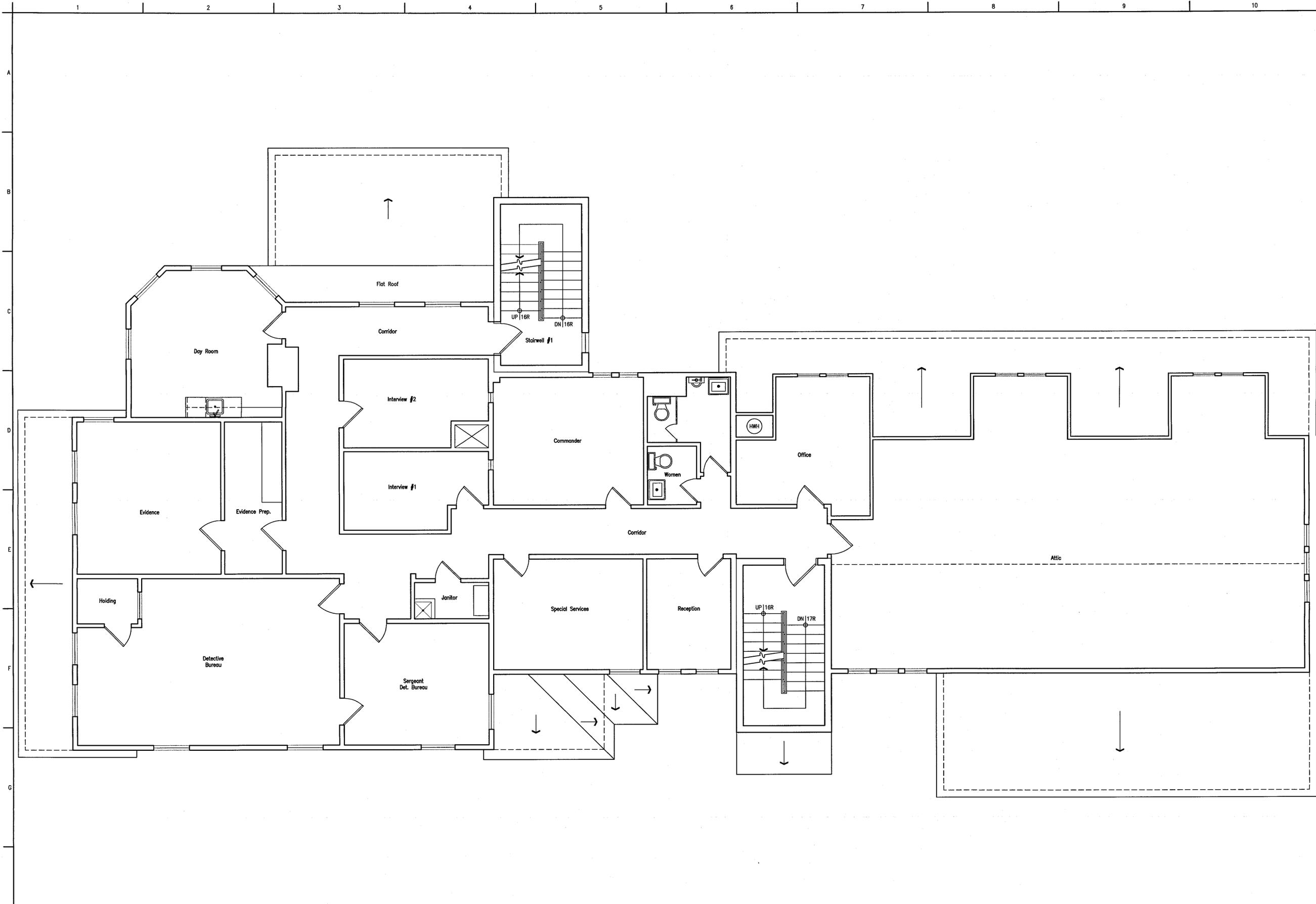
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SHEET
AX.2

H1
 AX.2
 FIRST FLOOR PLAN
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SECOND FLOOR EXISTING FLOOR PLAN

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SHEET



H1
 AX.3
 SECOND FLOOR PLAN
 1/4" = 1'-0"

AX.3

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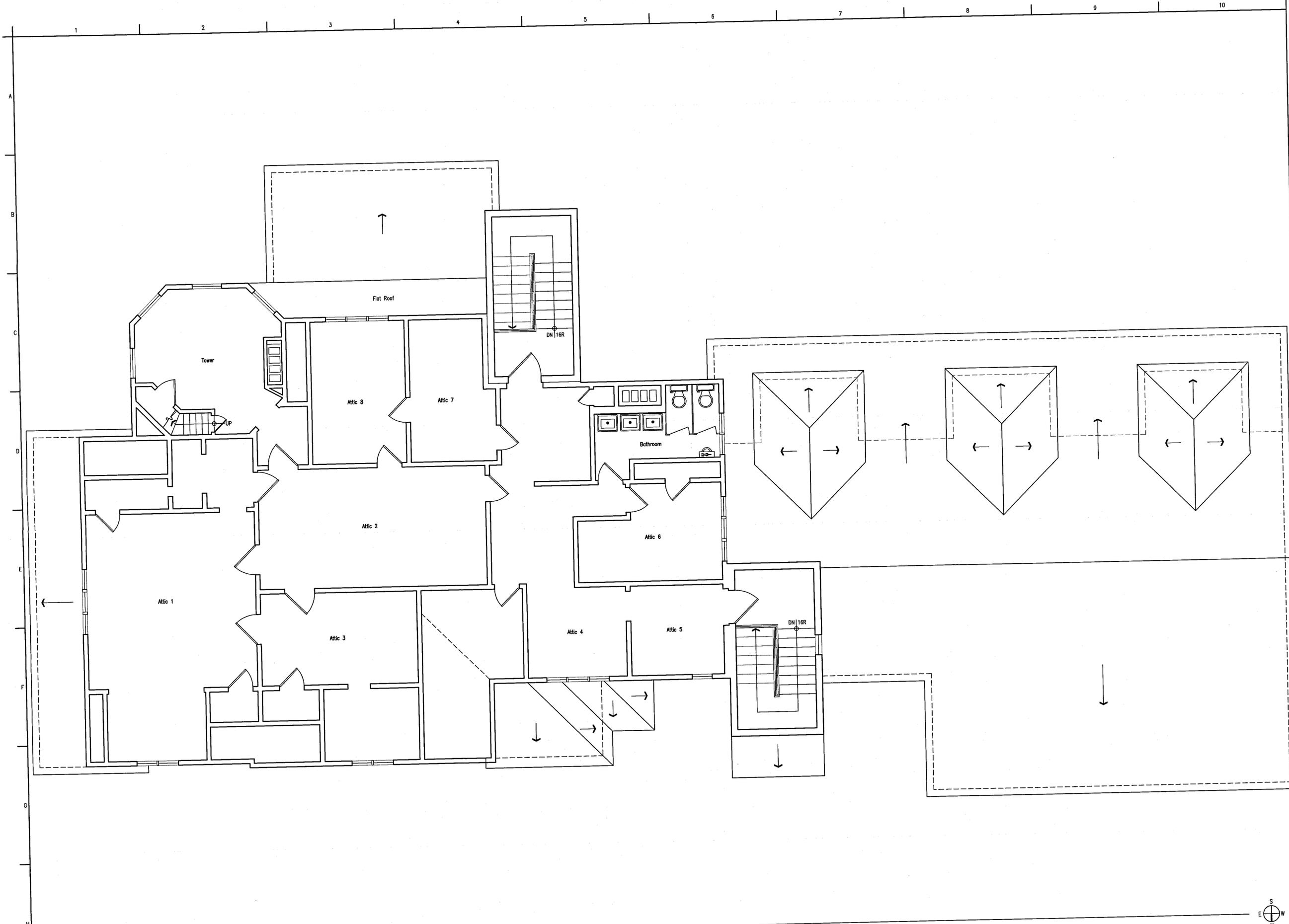
**FEASIBILITY STUDY
 FOR THE
 EXISTING FACILITY
 RIDGEFIELD POLICE
 HEADQUARTERS**
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**THIRD FLOOR
 EXISTING FLOOR PLAN**

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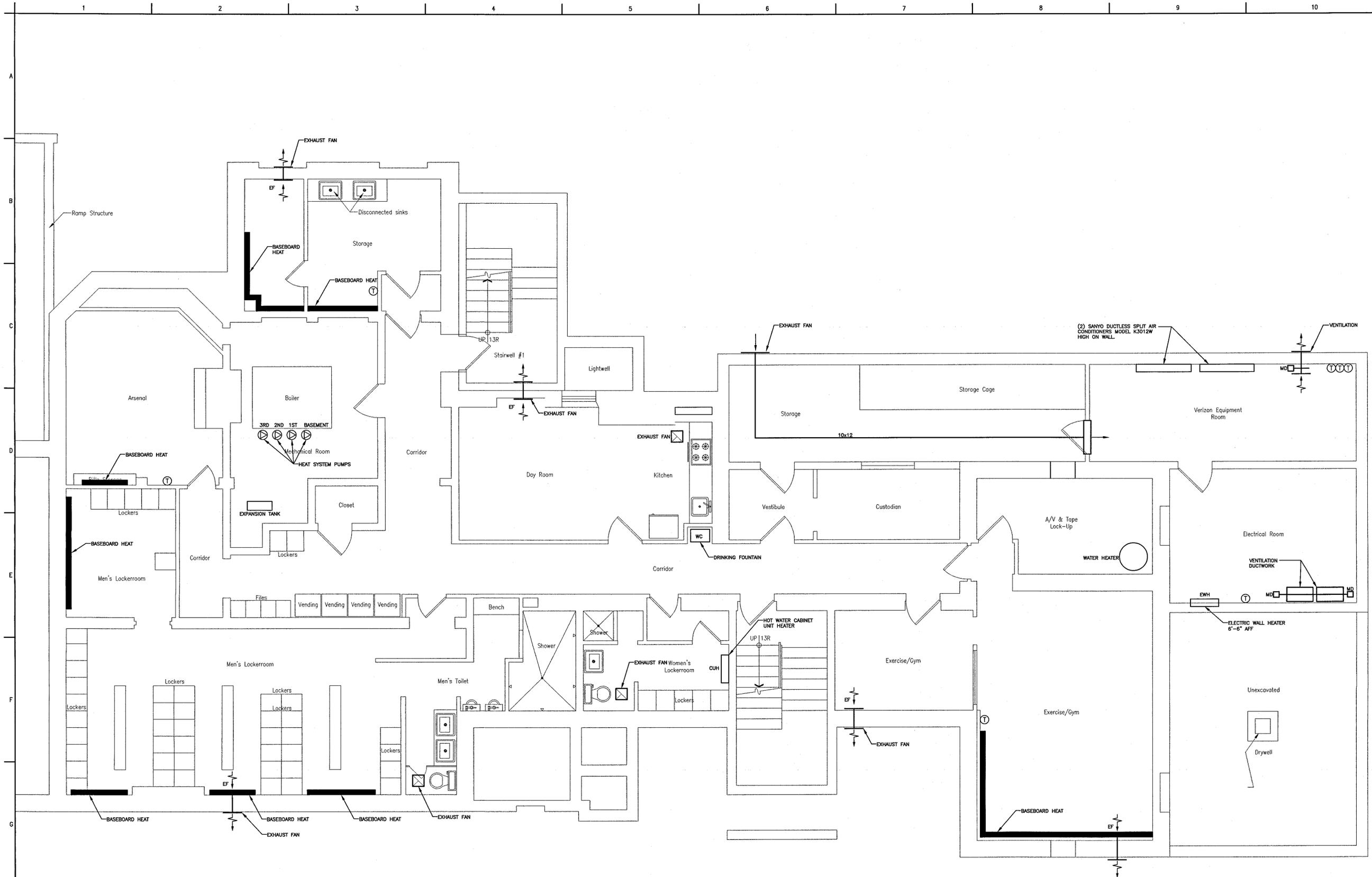
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SHEET	AX.4
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H1
 AX.4
THIRD FLOOR PLAN
 1/4" = 1'-0"





BASEMENT MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

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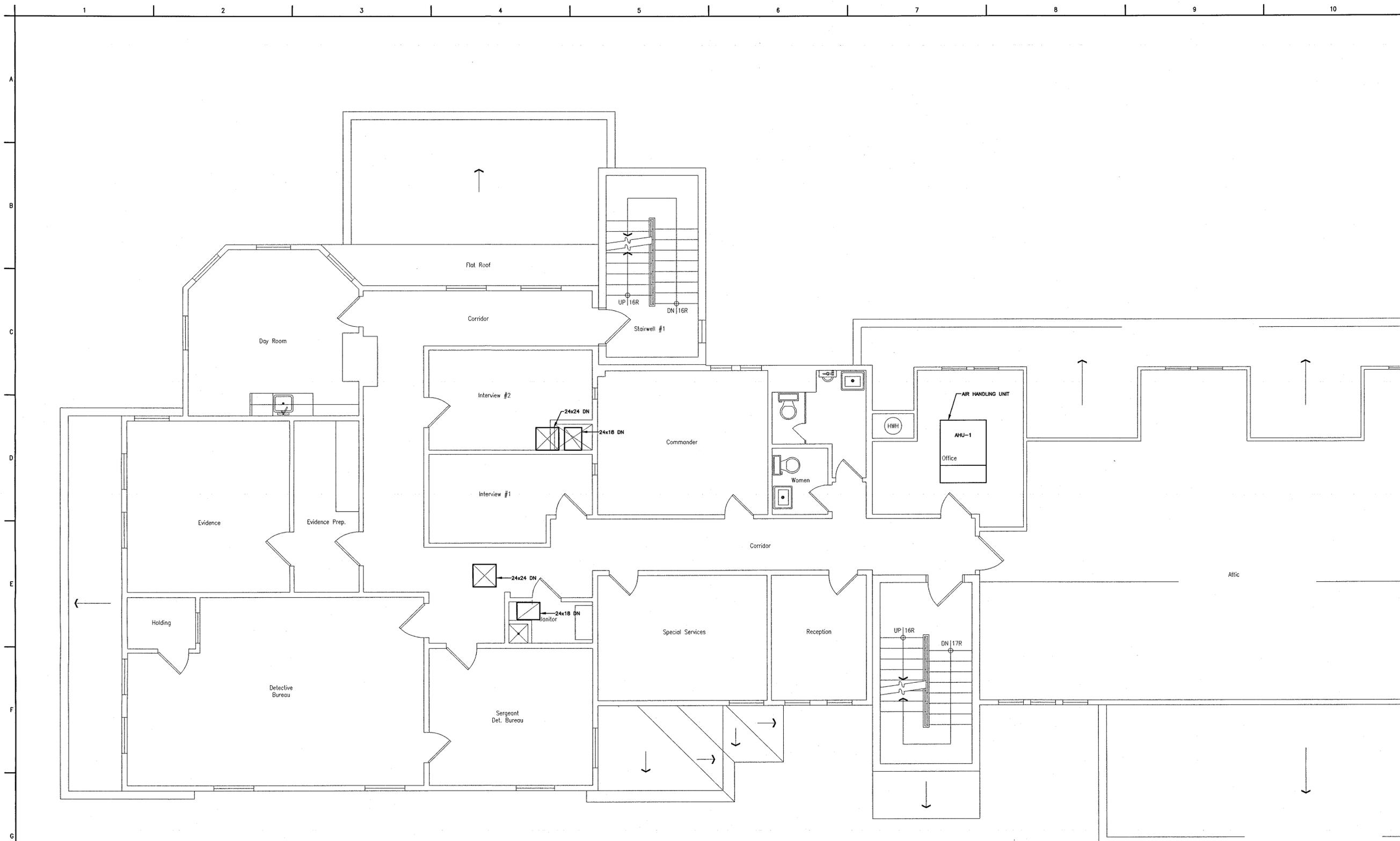
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BASEMENT MECHANICAL PLAN

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SHEET	
MX.1	



SECOND FLOOR MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

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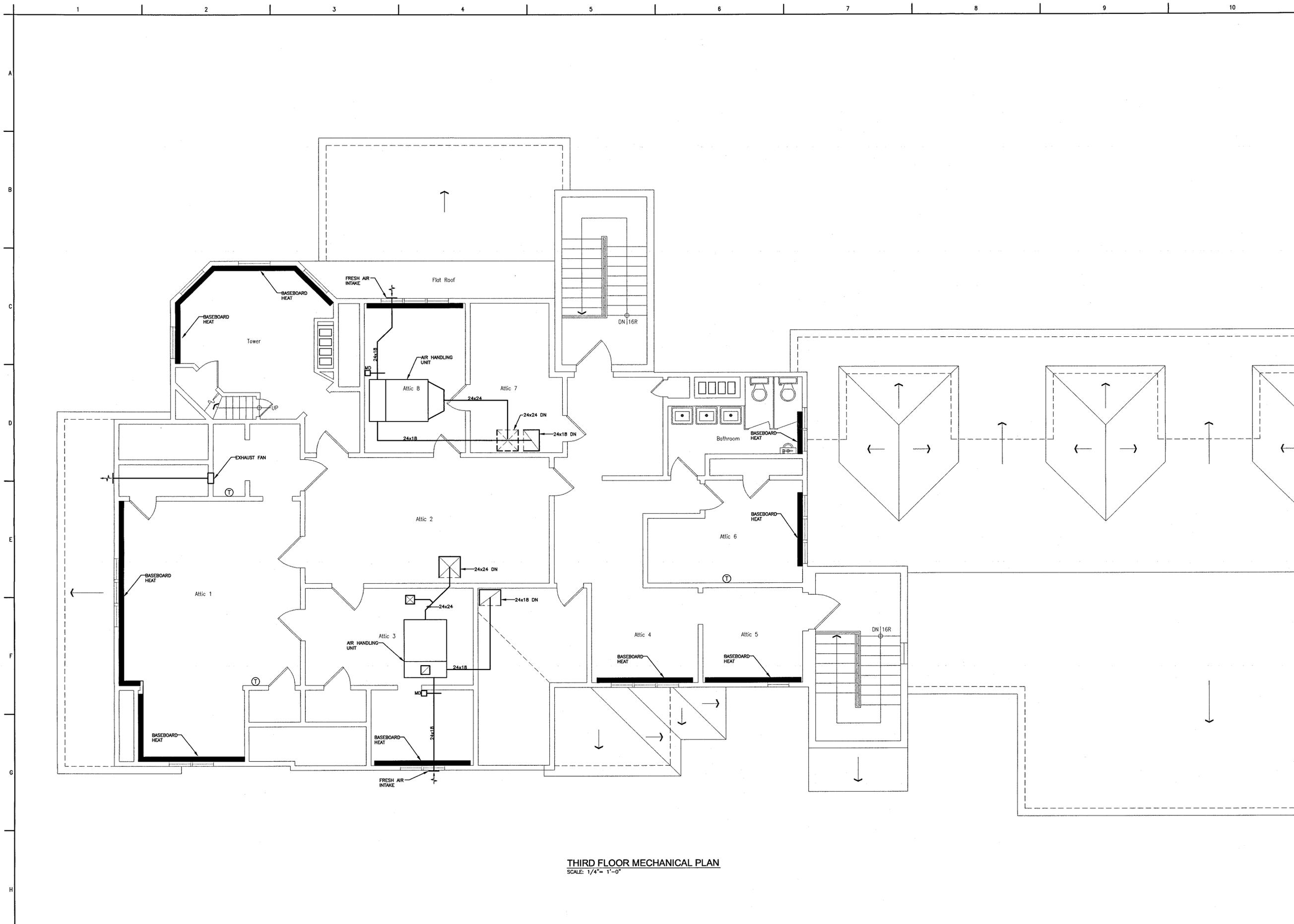
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SECOND FLOOR MECHANICAL PLAN

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MX.2	



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THIRD FLOOR MECHANICAL PLAN

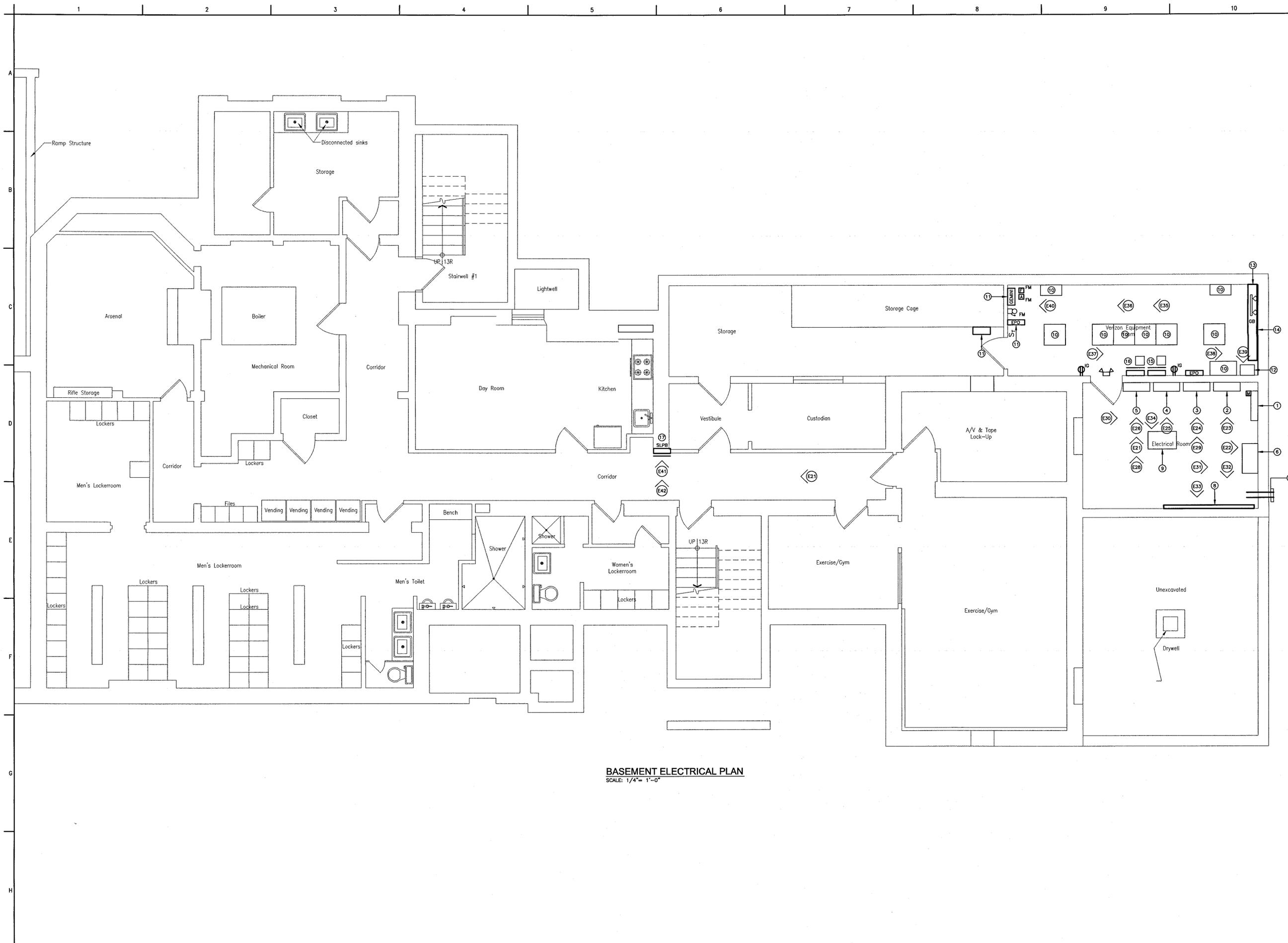
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SHEET

MX.3

THIRD FLOOR MECHANICAL PLAN
 SCALE: 1/4" = 1'-0"



BASEMENT ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

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BASEMENT ELECTRICAL PLAN

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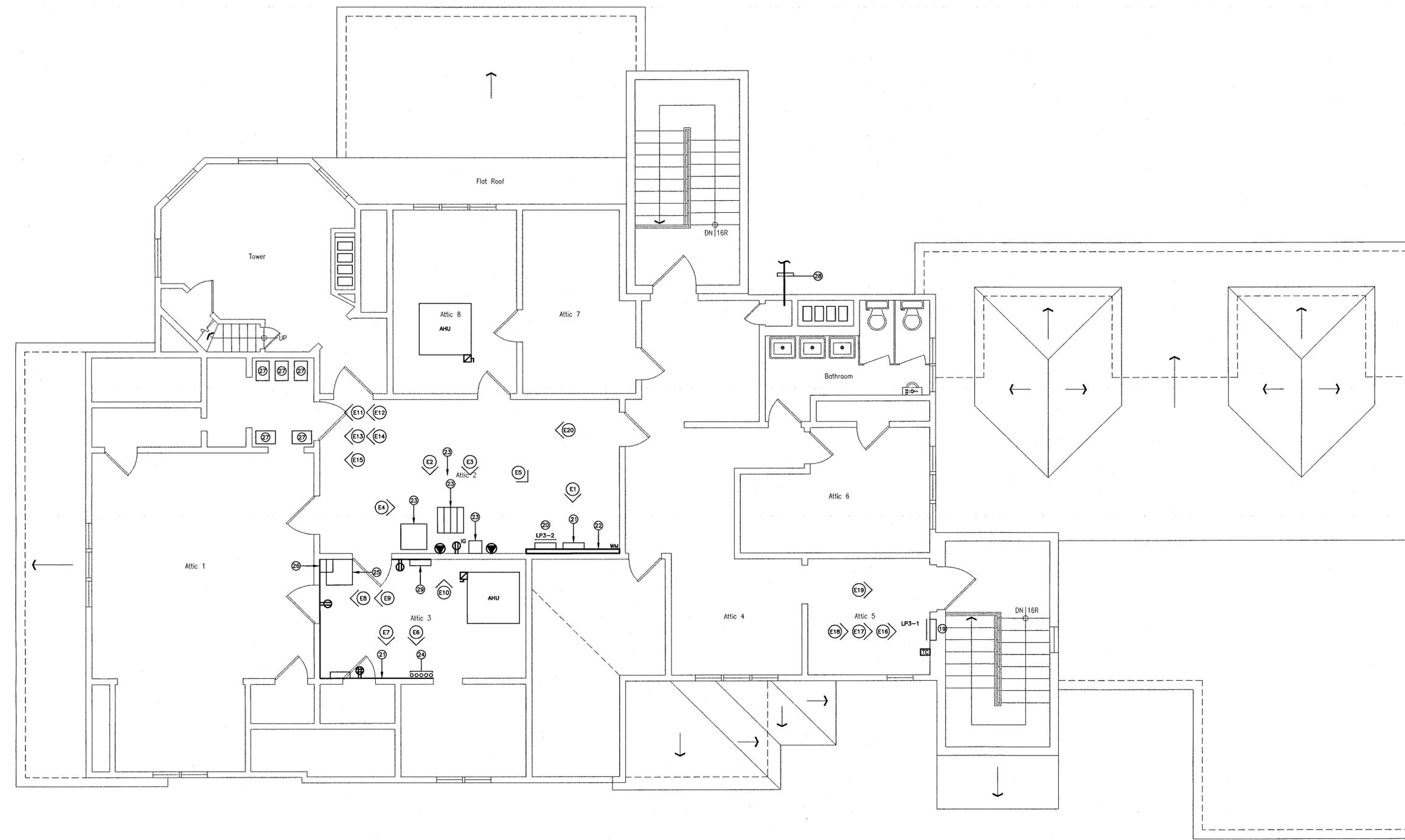
THIRD FLOOR ELECTRICAL PLAN

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EX.2



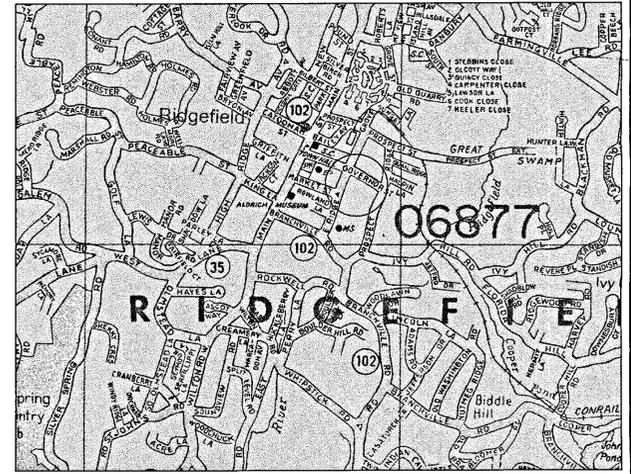
THIRD FLOOR ELECTRICAL PLAN
 SCALE: 1/4" = 1'-0"

FEASIBILITY STUDY

for the

RIDGEFIELD POLICE HEADQUARTERS

76 EAST RIDGE AVENUE
RIDGEFIELD, CONNECTICUT 06877



EXISTING CONDITION DRAWINGS

JANUARY 31, 2007



ARCHITECTS / PLANNERS

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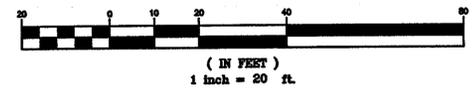
DRAWING LIST

NO.	DESCRIPTION
T.1	Cover Sheet
T.2	Project Data & Code Review
C.1	Existing Site Survey
AX.1	Basement Level, Existing Floor Plan
AX.2	Main Level, Existing Floor Plan
AX.3	Second Level, Existing Floor Plan
AX.4	Third Level, Existing Floor Plan
MX.1	Basement Level, Existing Mechanical
MX.2	Second Level, Existing Mechanical
MX.3	Third Level, Existing Mechanical
EX.1	Basement Level, Existing Electrical
EX.2	Third Level, Existing Electrical
EX.3	Electrical Notes, Legends, and Diagrams

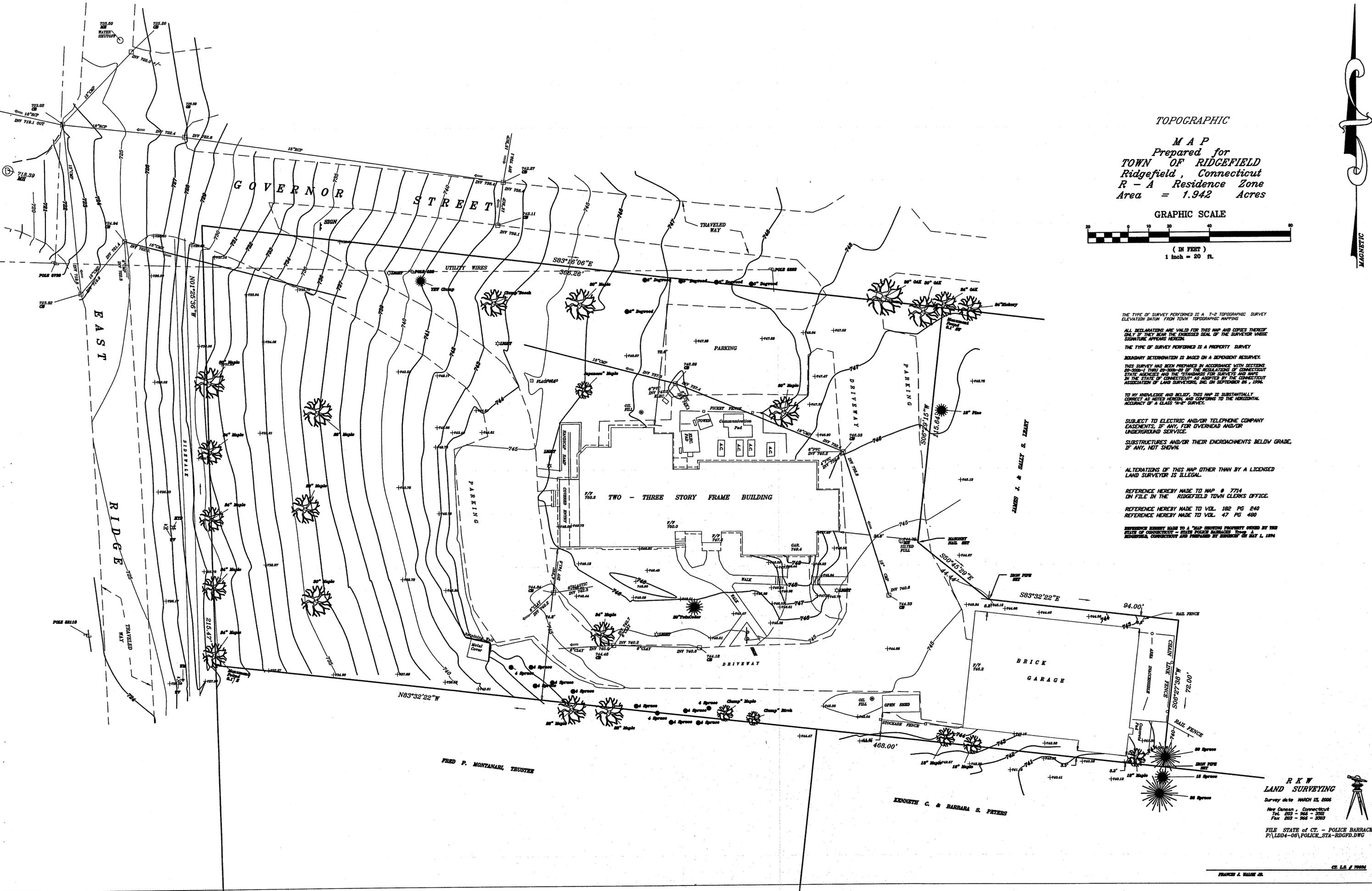
TOPOGRAPHIC

M A P
Prepared for
TOWN OF RIDGEFIELD
Ridgefield, Connecticut
R - A Residence Zone
Area = 1.942 Acres

GRAPHIC SCALE



MAGNETIC



THE TYPE OF SURVEY PERFORMED IS A 1-2 TOPOGRAPHIC SURVEY
ELEVATION DATUM FROM TOWN TOPOGRAPHIC MAPPING

ALL DECLARATIONS ARE VALID FOR THIS MAP AND COPIES THEREOF
ONLY IF THEY BEAR THE EXPRESSED SEAL OF THE SURVEYOR WHOSE
SIGNATURE APPEARS HEREON

THE TYPE OF SURVEY PERFORMED IS A PROPERTY SURVEY

BOUNDARY DETERMINATION IS BASED ON A DEPENDENT RESURVEY.

THIS SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS
20-30B-1 THRU 20-30B-20 OF THE REGULATIONS OF CONNECTICUT
STATE AGENCIES AND THE STANDARDS FOR SURVEYS AND MAPS
IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT
ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY
CORRECT AS NOTED HEREON, AND CONFORMS TO THE HORIZONTAL
ACCURACY OF A CLASS "A" SURVEY.

SUBJECT TO ELECTRIC AND/OR TELEPHONE COMPANY
EASEMENTS, IF ANY, FOR OVERHEAD AND/OR
UNDERGROUND SERVICE.

SUBSTRUCTURES AND/OR THEIR ENCRoACHMENTS BELOW GRADE,
IF ANY, NOT SHOWN.

ALTERATIONS OF THIS MAP OTHER THAN BY A LICENSED
LAND SURVEYOR IS ILLEGAL.

REFERENCE HEREBY MADE TO MAP # 7714
ON FILE IN THE RIDGEFIELD TOWN CLERKS OFFICE.

REFERENCE HEREBY MADE TO VOL. 182 PG 240
REFERENCE HEREBY MADE TO VOL. 47 PG 480

REFERENCE HEREBY MADE TO A "MAP SHOWING PROPERTY OWNED BY THE
STATE OF CONNECTICUT - STATE POLICE BARRACKS TRUCK &
RIDGEFIELD, CONNECTICUT AND PUBLISHED BY HERBERT" ON MAY 1, 1894

R K W
LAND SURVEYING

Survey date MARCH 15, 2005
New Canaan, Connecticut
Tel. 203 - 966 - 3300
Fax 203 - 966 - 3303

FILE STATE OF CT. - POLICE BARRACKS
P:\LD14-08\POLICE_STA-RDGFD.DWG



ZONING INFORMATION

TOWN OF RIDGFIELD ZONING REVIEW

A. Permitted Use: Police Facilities by Special Permit

B. Lot Size and Frontage: One-acre minimum, 100 ft. frontage

C. Lot Coverage: Total building coverage limited to 8% maximum

D. Floor Area Ratio: Total FAR limited to 0.11 maximum
11.95% Existing; 14.52% approved by Variance.

E. Setbacks: 25 feet from all property lines.

F. Building Height: Three stories maximum height.

G. Parking: Parking requirements shall be determined by the Town Planner.

H. Landscaping at Parking Areas:

- (1) tree of four inch caliper per ten spaces with 180 sq. ft. minimum
- Landscaped island at end of each row of parking spaces
- Landscaped island for every 15 spaces
- Islands to be 9 feet wide and 20 feet long with suitable curb

I. Sidewalks: When required, sidewalks are to be 5 feet wide minimum.

J. Lighting:

- Parking Area lighting to be full cut-off type fixtures, 14 foot maximum height.
- Building lighting shall be full cut-off or a shielded type fixture.
- High-pressure sodium lighting is not allowed.

K. Signs: Maximum Area: N/A
Maximum Height: 5 feet

SQUARE FOOTAGE DATA:

Basement Floor Level	5,226 sq. ft.
Main Floor Level	5,353 sq. ft.
Second Floor Level	4,228 sq. ft.
Third Floor Level	2,844 sq. ft.
TOTAL SQUARE FOOTAGE:	17,651 sq. ft.

NOTE:
On January 7, 2002, a variance was granted by the Town of Ridgefield Zoning Board of Appeals, that would permit the increased FAR and lot coverage. This variance allows for the addition of approximately 7,200 square feet at a minimum, to the existing Police Headquarters facility.

2005 CONNECTICUT FIRE SAFETY CODE

PART III - NEW CONSTRUCTION, RENOVATIONS, OR CHANGE OF USE

CHAPTER 6 - Emergency and Standby Power Systems Existing, Complies

CHAPTER 7 - Fire-Resistance Rated Construction - See Adjoining Building Code

CHAPTER 8 - Interior Finish, Decorative Materials, & Furnishings

Table 806.3 **SPRINKLERED (Proposed)**

Use Group	Vert. Exits & Exit Passageways	Exit Access Corridors & Exitways	Rooms & Enclosed Spaces
B	B	C	C
Section 903	Automatic Sprinkler Systems	Proposed	
Section 906	Portable Fire Extinguishers	Existing, Complies	
Section 907	Fire Alarm/Detection Systems	Not Required	

CHAPTER 9 - Fire Protection Systems

Section 903 Automatic Sprinkler Systems Proposed

Section 906 Portable Fire Extinguishers Existing, Complies

Section 907 Fire Alarm/Detection Systems Not Required

CHAPTER 10 - Means of Egress

Table 1004.1.2
Floor Calculation: 5,353 SF / 100 SF = 54 Persons

Table 1005.1
Calculation:
Stairway: 0.3" x 54 people = 16.2" Required; 48" Provided
Doors: 0.2" x 54 people = 10.8" Required; 32" Provided

Section 1006 Means of Egress Illumination Existing, Complies

Section 1007 Accessible Means of Egress Existing, Complies

Section 1008 Doors, Gates, & Turnstiles Existing, Complies

Section 1008.1 Minimum width shall be no less than 32" Complies

Section 1009 Stairways & Handrails Existing, Complies

Section 1011 Exit Signs Provided

Section 1014 Exit & Exit Access Doorways Existing, Complies

Section 1014.1 Exits Required Two required and provided Existing, Complies

Section 1014.2 Exit Arrangement Existing, Complies

Section 1015 Exit Access Travel Distance Table 1015.1 Exit Access Travel Distance 200' Permitted, Non-sprinklered Complies
300' Permitted, Sprinklered Proposed

Section 1016 Corridor 1018.2 Corridor Width Minimum width shall be no less than 44" Complies

BUILDING CODE INFORMATION: IBC 2003 WITH 2005 CT AMENDMENTS

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION

302.1 Use Classification: Business Group B Non-Separated Use

Table 302.1.1 Incidental Use Areas Separation

Furnace Room > 400,000 Btu/hour	1 hr or Sprinklers
Boiler Room > 15 psi & 10 Hp	1 hr or Sprinklers
Incinerator Rooms	2 hr and Sprinklers
Laundry Rooms > 100 sf	1 hr or Sprinklers
Storage Rooms > 100 sf	1 hr or Sprinklers
Waste & Linen Rooms > 100 sf	1 hr or Sprinklers

* See Table for other items not listed

Table 302.3.2 Separation Required between Use Groups N/A

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

Construction Type: Type V-B (Assumed)

Use Group: B

Tabular Height Allowed not applicable

Sprinkler Increase (504.2) Not Sprinklered, Proposed

Total Height Allowed 4 Stories, not to exceed 55'

Tabular Area Allowed per Floor 9,000 SF

Frontage Increase (506.2) not required

Sprinkler Increase (506.3) not applicable

Total Area Allowed per Floor 18,000 SF

Actual Maximum Area per Floor 5,353 SF

CHAPTER 6 - CONSTRUCTION CLASSIFICATION

602 Construction Classification: Type V-B (Assumed)

Type I Non-Combustible

Type II Non-Combustible

Type III Exterior Walls shall be Non-Combustible. Interior Building Elements may be Combustible.

Type IV Exterior Walls shall be Non-Combustible; Interior Building Elements may be Solid or Laminated Wood (Heavy Timber) without Concealed Spaces. See 602.4.

Type V All Building Elements may be Combustible.

Table 601 Fire-Resistance Rating Requirements (Hours)

Building Element	Type I		Type II		Type III		Type IV		Type V	
	A	B	A	B	A	B	A	B	A	B
Structural Frame	3*	2*	1	0	1	0	HT	1	0	0
Bearing Walls Exterior	3	2	1	0	2	2	2	1	0	0
Bearing Walls Interior	3	2	1	0	1	0	1/HT	1	0	0
Nonbearing Exterior Walls	See Table 602									
Nonbearing Interior Walls	0	0	0	0	0	0	*	0	0	0
Floor Construction	2	2	1	0	1	0	HT	1	0	0
Roof Construction	1.5*	1	1	0	1	0	HT	1	0	0

Table 602 Fire-Resistance Rating for Exterior Walls: Separation Distance

Fire Separation Distance (ft)	Construction Type	Use F-1, Use A, B, E, F-2, M, S-1, U	
		M, S-1	L, R*, S-2, U
< 5	All	3	2
5 - 10	IA	3	2
	Others	2	1
10 - 30	IA or IB	2	1
	IB or VB	1	0
	Others	1	1
> 30	All	0	0

CHAPTER 7 - FIRE-RESISTANCE RATED CONSTRUCTION

704.2.2 Projections from walls of Type II, IV or V shall be of any approved material.

704.5 Exterior walls shall be fire resistance rated in accordance with Tables 601 and 602.

704.8 Allowable Area of Openings: not applicable
Exception 1: less than 3 stories

Table 705.4 Fire Wall Fire-Resistance Ratings

Use/Occupancy Group	Fire-Resistance Rating (hours)
B	2

Table 706.3.7 Fire-Resistance Ratings for Fire Barriers

Use/Occupancy Group	Fire-Resistance Rating (hours)
B	2

706.4 Fire Barrier Walls shall extend to the underside of deck above.

706.7 Openings shall be protected & limited to 25% & 120sf.

707.4 Shafts shall have a fire resistance rating of not less than 2 hours where connecting 4 stories or more, and not less than 1 hour where connecting less than 4 stories.

707.12 A shaft enclosure shall extend to the underside of the roof deck or shall be enclosed at the top with the same fire-resistance rating as the topmost floor penetrated by the shaft, but not less than that required by the shaft enclosure.

707.13 Openings into chutes shall not be located in exit corridors. Chute access rooms shall have 1 hour fire resistance rating. Chute termination room shall have 1 hour fire resistance rating. Chutes shall not terminate in an incinerator room.

711.3 Horizontal Assemblies: Floors separating a single occupancy into different fire areas shall have a fire-resistance rating of not less than that required by Section 706.3.7.

712.1 Penetrations through fire-resistance rated assemblies shall be fire-stopped.

712.3.2 Steel electrical boxes on opposite sides of a fire barrier shall be separated by a horizontal distance of not less than 24".

712.4.3 Penetrations in non-rated horizontal assemblies shall be filled to resist the passage of flame & the products of combustion.

Table 715.3 Fire Door & Fire Shutter Opening Protection Ratings

Type of Assembly	Req'd Assembly Rating (hours)	Door Assembly Rating (hours)
Fire Walls & Fire Barriers with a fire-resistance rating > 1 hour	4	3
	3	3
	2	1 1/2
	1 1/2	1 1/2
Fire Barriers with a rating of 1 hour: Shafts & Exit Enclosures	1	1
Other Fire Barriers	1	3/4
Fire Partitions: Corridor Walls	1	3/4
Corridor Walls	1/2	3/4
Other Fire Partitions	1/2	3/4
Exterior Walls	3	1 1/2
	2	1 1/2
	1	3/4

715.3.5 Fire door assemblies shall be labeled by an approved agency. The labels shall comply with NFPA 80.

715.3.6 Fire protection-rated glazing conforming to the opening protection requirements in Section 715.3.

715.3.7 Fire doors shall be self-closing or automatic-closing.

716 Fire Dampers shall be installed as required.

716.5.3.1 Fire Dampers shall not penetrate exit enclosures.

716.6 Fire Dampers and Shaft Enclosure shall be installed as required at Horizontal Assemblies.

717 Fire blocking and draftstopping shall be installed in combustible concealed spaces as required: ceiling and floor levels, behind architectural trim, within floors including sleeper spaces, and as required to subdivide attics.

CHAPTER 8 - INTERIOR FINISHES

803.2 Interior Wall and Ceiling Finishes shall comply with NFPA 286.

Table 803.5 Interior Wall and Ceiling Finish Requirements by Occupancy

Use Group	SPRINKLERED (Proposed)			
	Vert. Exits & Exit Passageways	Exit Access Corridors & Exitways	Rooms & Enclosed Spaces	
B	B	C	C	
804.5	Interior Floor Finishes shall be Class I or II as required.			

CHAPTER 9 - FIRE PROTECTION SYSTEMS

903.2 Automatic Sprinkler Systems are Required: PROPOSED

NOTE: A Town of Ridgefield Ordinance requires all non-residential buildings greater than 7,500 sf, and multifamily buildings with more than three units to be sprinklered.

906.1 Portable Fire Extinguishers are Required: PROVIDED

907.2 Fire Alarm & Detection Systems are Required: PROVIDED

907.2.10 Smoke Alarms are Required: PROVIDED

907.3.1 Manual fire alarm shall be located not more than 5 feet from the entrance to each exit. Additional manual fire alarm boxes shall be located so that travel distance to the nearest box does not exceed 200 feet.

907.9.1 Visible alarm notification appliances shall be provided in public areas and employee work areas

907.9.2 Audible alarm notification appliances shall be provided.

CHAPTER 10 - MEANS OF EGRESS

1003.3 Minimum 80 inches headroom required. Horizontal projections shall not project more than 4" (excluding handrails).

1003.5 When there is a change of elevation of less than 12 inches, ramps shall be used. For req's & exceptions, see 1003.5.

1004.1 Occupant Load: Business = 100 gross
Floor Calculation: 5,353 SF / 100 SF = 54 Persons

Table 1005.1 Egress Width per Occupant Served

Occupancies	SPRINKLERED	
	Stairways	Other Egress
B	0.5	0.2

Calculation: Stairway: 0.3" x 54 people = 16.2" Required; 48" Provided
Doors: 0.2" x 54 people = 10.8" Required; 32" Provided

1005.2 Doors' swing shall not reduce the egress width to less than half during the course of the swing. When fully open, the door may project 7 inches maximum into the required width.

1006.1 Means of Egress shall be illuminated at least 1 foot-candle.

1007.1 Accessible spaces shall be served with not less than one Accessible Means of Egress. Where more than one (1) Means of Egress is required, each space shall be served by not less than two (2) Accessible Means of Egress.

1007.3 Enclosed exit stairways shall have a clear width of 48 inches between the handrails, and an area of refuge.
Exception 3: Not required in buildings equipped with sprinkler system.

1008.1.1 Door width shall be at least 32 inches clear between the door stop and the face of the door when open. Maximum door width is 48 inches. Height of doors shall not be less than 80 inches.

1008.1.4 There shall be a floor or landing on each side of the door, at the same level on each side of the door.

1008.1.5 Landings shall have a width not less than the width of the stair or the door. When a landing serves an occupant load of 50 or more, doors in any position shall not reduce the landing to less than half its of its required width. Landings shall not be less than 44 inches measured in the direction of travel.

1008.1.7 Space between doors in a series shall be 48 inches plus the width of the door swinging into the space.

1008.1.8 Hardware shall be lever-type, located between 34 inches min. and 48 inches max AFF. Panic Hardware shall be provided in Group A and E with an Occupant Load of more than 100.

1009.1 See 1007.1. Stairway width shall not be less than 44 inches (36 inches if serving an occupant load of less than 50).

1009.3 Risers shall be 7 inches maximum. Treads shall be 11 inches minimum.

1009.4 Landings shall not be less than the width of the stair they serve, or 48 inches in a straight run.

1009.5 Stairs shall be built of materials consistent with the building's Construction Classification, except that wood handrails shall be permitted at all types of construction.

1009.5.1 Exterior stairs shall be covered and shall pitch 2% max.

1009.6 A flight of stairs shall not have a vertical rise of greater than 12 feet between floor levels or landings.

1009.11 Stairways shall have handrails at each side. Handrails shall be located not less than 34 inches nor more than 38 inches above the nosing. Intermediate handrails are required so that all portions of the stair are within 30 inches of a handrail. Handrails shall have a circular cross-section of not less than 1 1/2 inch nor more than 2 inches diameter. Handrails shall extend horizontally 12 inches past the top riser, and continue to slope 1 tread depth past the bottom nosing. Clear space between the handrail and the wall or other surface shall be 1/2 inches minimum.

1010 Ramps shall not be steeper than 1:12. Maximum rise without a landing is 30 inches. Ramp width shall be as required for corridors. See 1016.2. Clear width shall be 36 inches between handrails. Doors opening into a landing shall not reduce the clear width to less than 42 inches. Landings shall be located at the top, bottom, turns, and doors. Landings shall be as wide as the adjoining ramp, except where changing direction of travel at the landing: these landings shall have a minimum turning area of 60 by 60 inches. Ramps shall be built of materials consistent with the building's Construction Classification, except that wood handrails shall be permitted at all types of construction.

1010.8 Ramps with rise greater than 6 inches shall have handrails.

1010.9 Curbs or barriers shall be provided at both sides of ramp.

1011 Exit Signs shall be internally or externally illuminated. Tactile exit signs shall be located at exits. See 1011.3. Floor proximity Exit signs req'd at some A (>300 occupants), I-2 and B Medical Occupancies. See 2005 CT Amendments. Accessible Exits shall be marked with 6" HC symbol.

1012 Guards shall be provided at open-sided walking surfaces located more than 30 inches above the floor or level below.

1012.2 Guards shall be 42 inches above the walking surface.

1014.1 Two exit access doorways are required from each level, except spaces requiring only one means of egress:

Use/Occupancy Group Max. Occupant Load

Use/Occupancy Group	Max. Occupant Load
B	50

Table 1015.1 Maximum Travel Distance

Occupancy	Sprinklered (proposed)
B	300 feet

Calculation: 100 Feet = Complies

Section 1004.1 - Occupant Load Chart

Occupancy	Area (SF)	Area/Person	Occupant Load
Basement Floor Level	5,226 SF	100 SF	53 Persons
Basement Floor Level	5,353 SF	100 SF	54 Persons
Basement Floor Level	4,228 SF	100 SF	43 Persons
Basement Floor Level	2,844 SF	100 SF	29 Persons
TOTAL LOAD:			179 Persons

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Table 1015.1 Maximum Travel Distance

Occupancy	Sprinklered (proposed)
B	300 feet

Calculation: 100 Feet = Complies

CHAPTER 10 - MEANS OF EGRESS, continued

Table 1016.1 Corridor Fire Resistance Rating

Occupancy	Occ. Load Served	Sprinklered
H-1, H-2, H-3	All	1
H-4, H-5	>30	1
A, B, E, F, M, S, U	>30	0
R	>10	0.5
I-2, I-4	All	0
I-1, I-3	All	1

1016.2 Corridors shall be per 1005.1, but at least 44 inches min.

Table 1018.1 Minimum Number of Exits

Occupant Load	Min. Number of Exits
1-500	2
501-1000	3
More than 1,000	4

Calculation: Number of exits provided = 5

1019.1 Interior Stairways and Ramps shall be enclosed with Fire Barriers. Exit enclosures connecting four stories or more shall be rated 2 hours; connecting less than four stories shall be rated 1 hour. Number of stories shall include basements, but not mezzanines. Exit enclosure shall be used for egress only.

1019.1.2 Penetrations thru Vertical Enclosures are prohibited, except for services required by the enclosure: sprinklers, electrical raceways, pressurization ductwork, fire alarm equip, etc.

1019.1.3 Ventilation shall be independent from other building systems.

1019.1.4 Adjacent exterior walls shall be rated 1 hour within 10 feet, if walls are less than 180 degrees from exit enclosure wall.

1020.2 Exit Passageways shall be per 1005.1 or min. 44 inches wide. Passageways with < 50 occupants shall be 36 inches wide min.

1022.3 Exterior exit ramps & stairs serving as a means of egress shall be open on one side. The required opening shall be located not less than 42" above adjacent floor.

1022.6 Exterior Stairs and Ramps shall be separated from the inside of the building by fire-resistance rated construction.

1023.1 Exits shall discharge directly to the exterior. The exit discharge shall be at grade or shall provide direct access to grade.

1023.3 Exterior balconies, stairways & ramps shall be located at least 10 feet from property lines and other buildings, unless adjacent walls are protected per 704.

1023.6 Exits shall provide access to a public way.

1025.2 Emergency Escape and Rescue openings shall have a minimum clear opening of 5.7 SF; minimum clear height 24 inches; minimum clear width 20 inches. Opening shall be result of normal operation (no tilt-turn DH).

1025.3 Bottom of clear opening 44 inches above floor max.

1025.4 Window must operate without special tools or keys.

CHAPTER 10 - MEANS OF EGRESS, continued

Table 1016.1 Corridor Fire Resistance Rating

Occupancy	Occ. Load Served	Sprinklered
H-1, H-2, H-3	All	1
H-4, H-5	>30	1
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Use/Occupancy Group Max. Occupant Load

Use/Occupancy Group	Max. Occupant Load
B	50

Table 1015.1 Maximum Travel Distance

Occupancy	Sprinklered (proposed)
B	300 feet

Calculation: 100 Feet = Complies

CHAPTER 11 - ACCESSIBILITY

1103.1 All buildings must be Accessible. Exceptions: Existing Buildings. See 3409. Employee Work Areas. See 1103.2.3. Detached One and Two Family Dwellings. Most U Occupancies. See 1103.2.5. Construction Sites. (Guard Towers, etc). Limited Access Areas (Catalwalks). Equipment Spaces (Mechanical Rooms). Single-Occupant Structures (Toll Booths). Use R-1 with fewer than 5 sleeping rooms. Day Care within R - only the Day Care must be accessible. Correctional Facilities.

1104.1 Accessible Route shall be provided from public transportation stops, accessible parking spaces, passenger loading zones, and sidewalks and streets to the accessible building entrance.

1104.4 Accessible route shall connect all levels, including mezzanines.

1105.1 At least 50 percent of entrances shall be accessible.

1106 Coordinate Site Design with Civil Engineering.

1107.7 General Exceptions: See Section 1107.7 for Exceptions.

1109.2 Toilet and Bathing Facilities shall be located on the Accessible Route. One of each fixture and control shall be accessible.

1110 Signage shall be accessible.

CHAPTER 12 - INTERIOR ENVIRONMENT

1203.1 Buildings shall be naturally or mechanically ventilated.

1203.4 Natural Ventilation: the min. operable area to the outdoors shall be 8 percent of the floor area being ventilated.

1205.1 Buildings shall be naturally or mechanically ventilated.

1205.2 Natural Light: the min. net glazed area shall not be less than 8 percent of the floor area of the room served.

1206.1 Yards and courts used for light and ventilation shall meet the requirements of Section 1206.

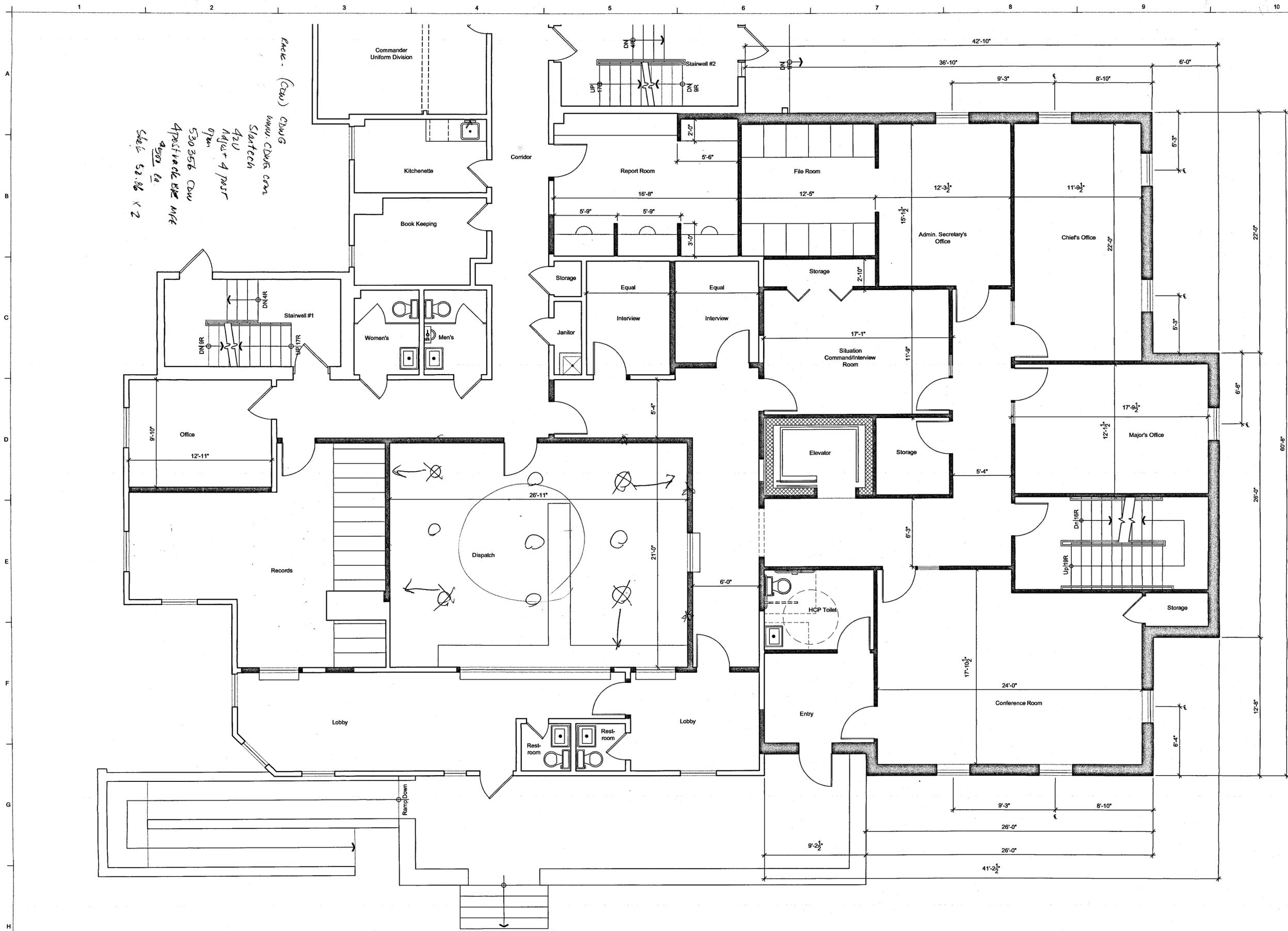
1207.2 Walls, floors and ceilings separating dwelling units shall have an STC rating of not less than 50 for airborne noise.

1208.1 Habitable Spaces, other than a kitchen, shall not be less than 7 feet in any direction. Kitchens shall have clear passage of 3 feet between counter fronts or appliances and walls.

1208.1 Occupiable spaces, habitable spaces and corridors shall have a ceiling height of not less than 7 feet 6 inches. Bathrooms, toilet rooms, and kitchens shall be permitted to be 7 feet.

1209.1 Crawl spaces shall be accessed by min. 18 x 24 inch opening.

1209.2 Attic spaces shall be accessed by min. 20 x 30 inch opening. Headroom shall be 30 inches min. at opening.



RACK - (COW)
 CWG
 WWWW, CDWS, CWA
 Slantech
 42U
 Adv + 4 part
 open
 530 556 CW
 APPOINTMENT MTE
 500 ca.
 Sals 52.86 x 2


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NOTES

Addition and Renovations to
 the
Ridgefield Police Headquarters
 76 East Ridge Avenue
 Ridgefield CT, 06877

REVISIONS	
Floor Plan Revisions	02/13/08

PRINCIPAL PTC P.A. RAZ

SCHEMATIC DESIGN
**Main Level
 Floor Plan**

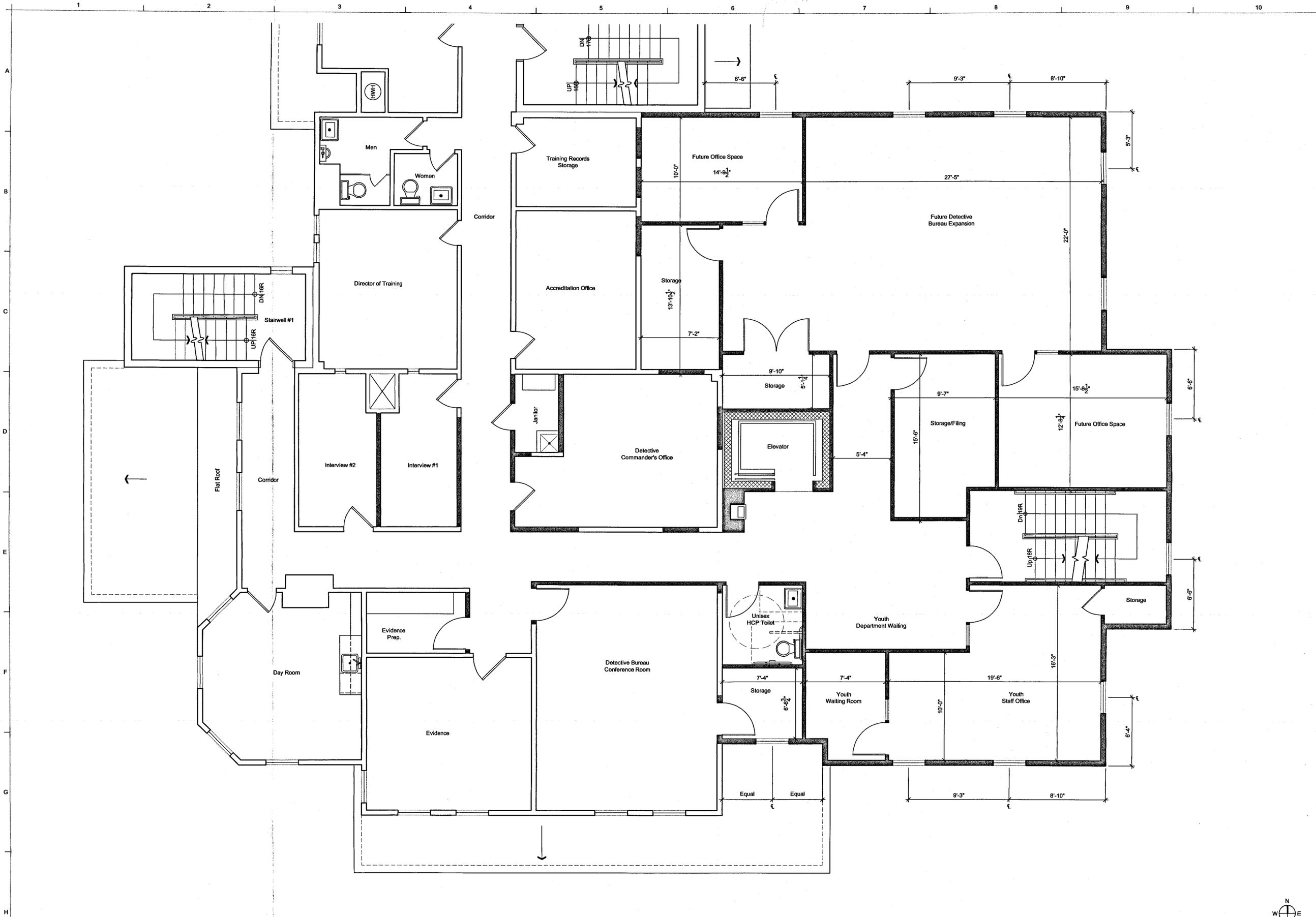
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Addition and Renovations to
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Ridgefield Police Headquarters
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REVISIONS	
Floor Plan Revisions	02/13/08

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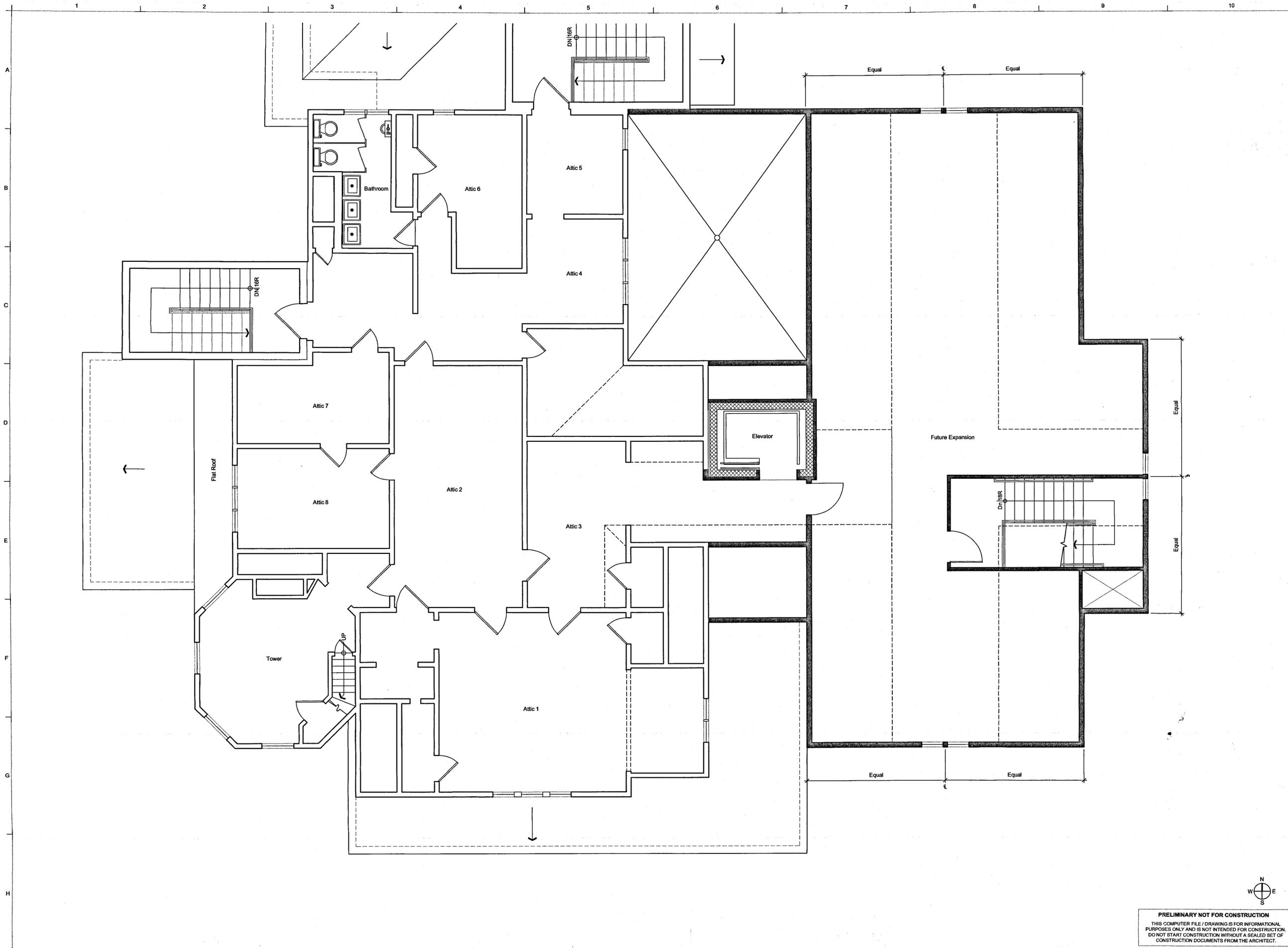
SCHEMATIC DESIGN
**Second Level
Floor Plan**

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REVISIONS

Floor Plan Revisions	02/13/08
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SCHEMATIC DESIGN

**Third Level
Floor Plan**

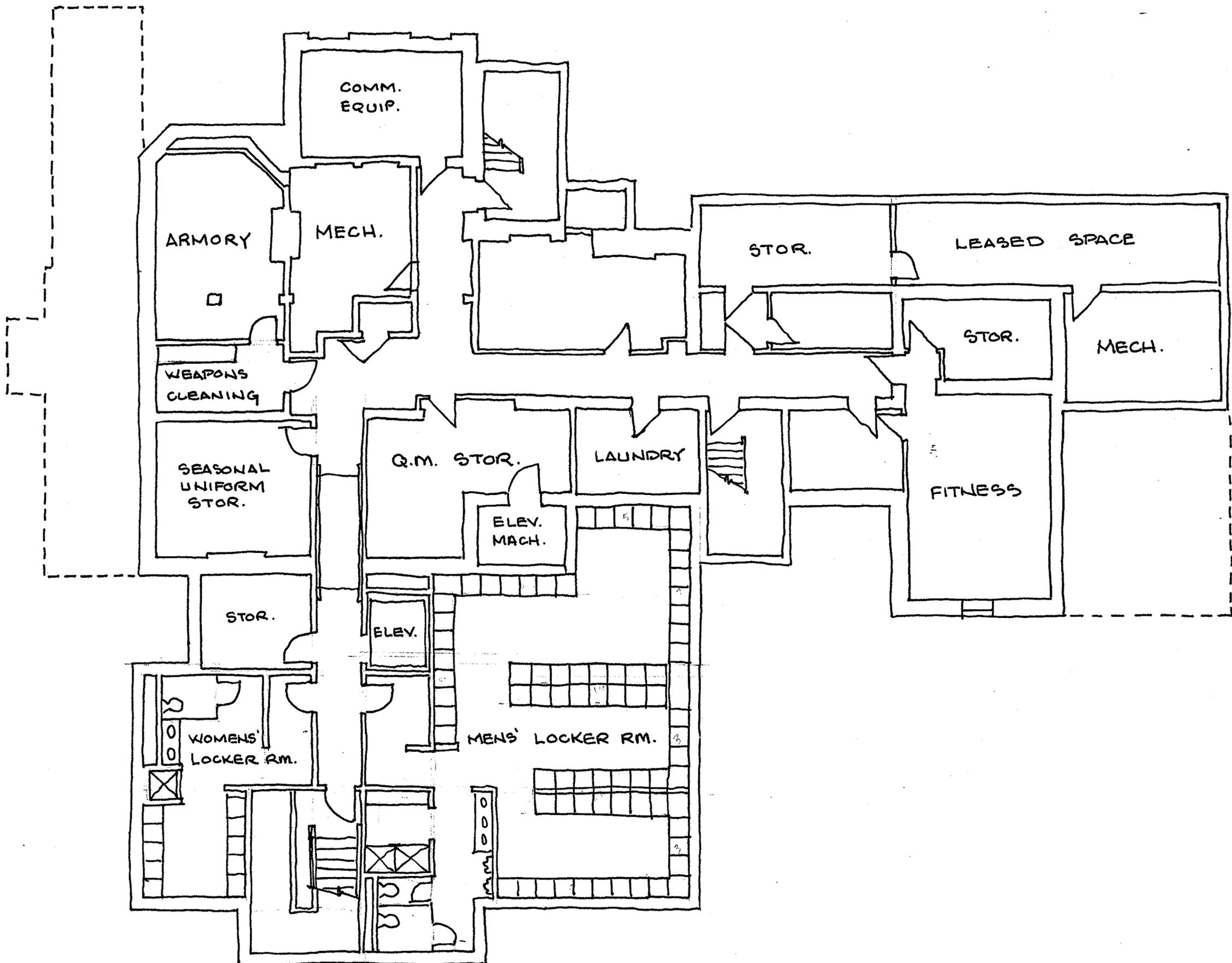
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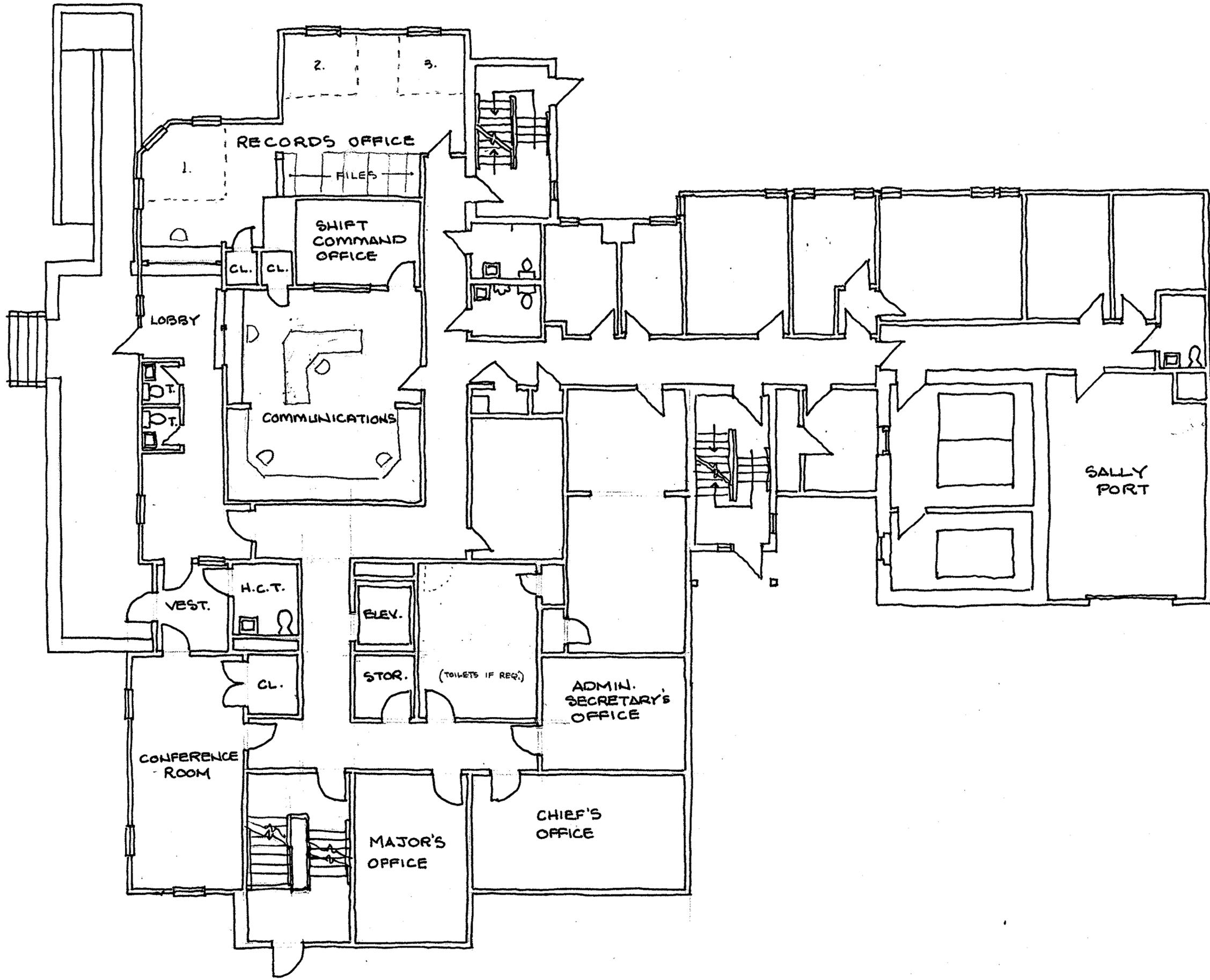
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 AND
 RENOVATIONS
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 STATION
 RIDGEFIELD, CT



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LOWER LEVEL FLOOR PLAN

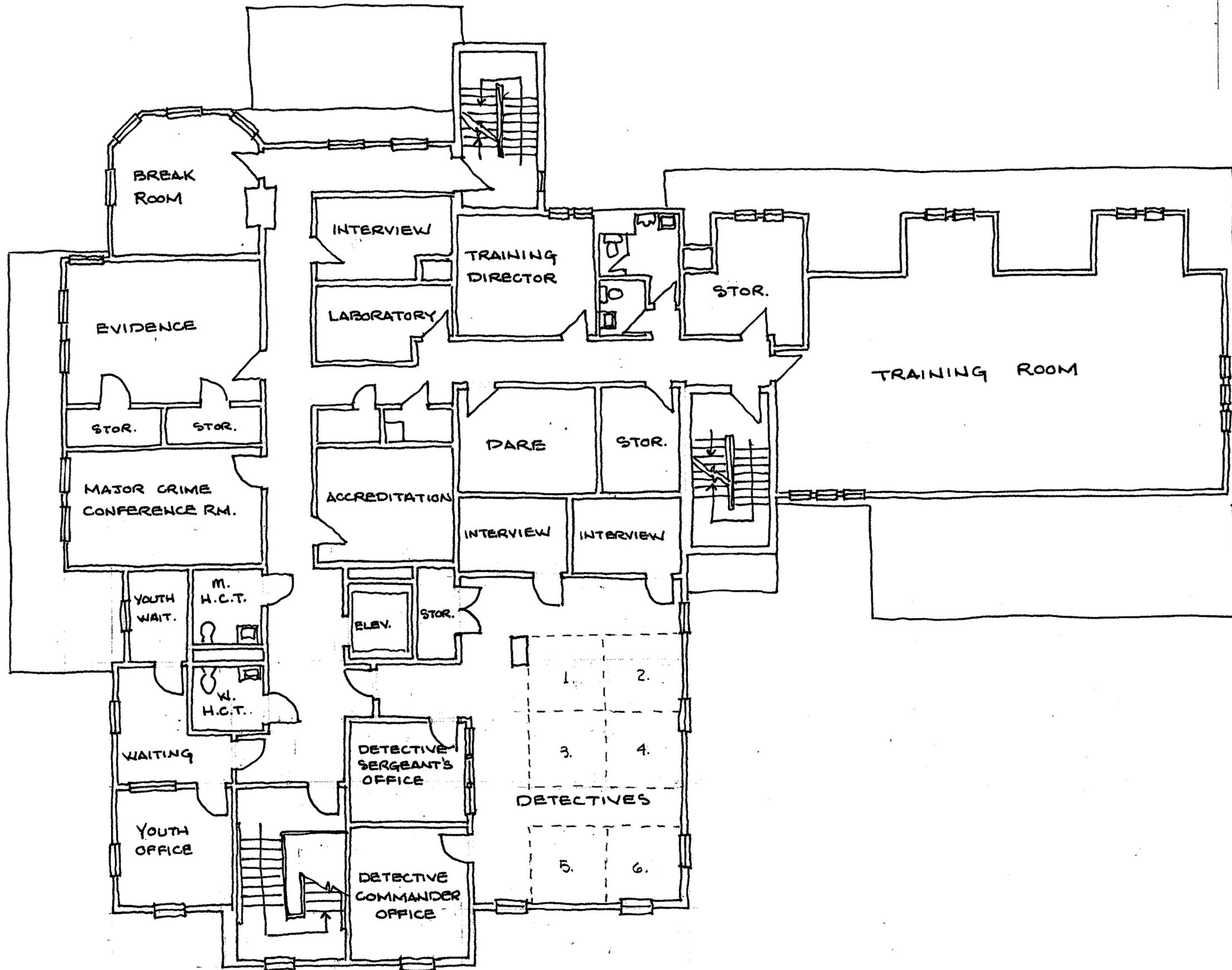
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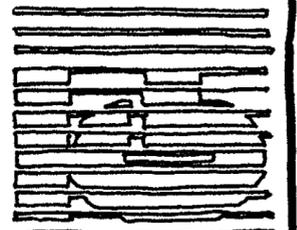
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 AND
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MAIN LEVEL FLOOR PLAN
 SCALE: 1/8" = 1'-0"



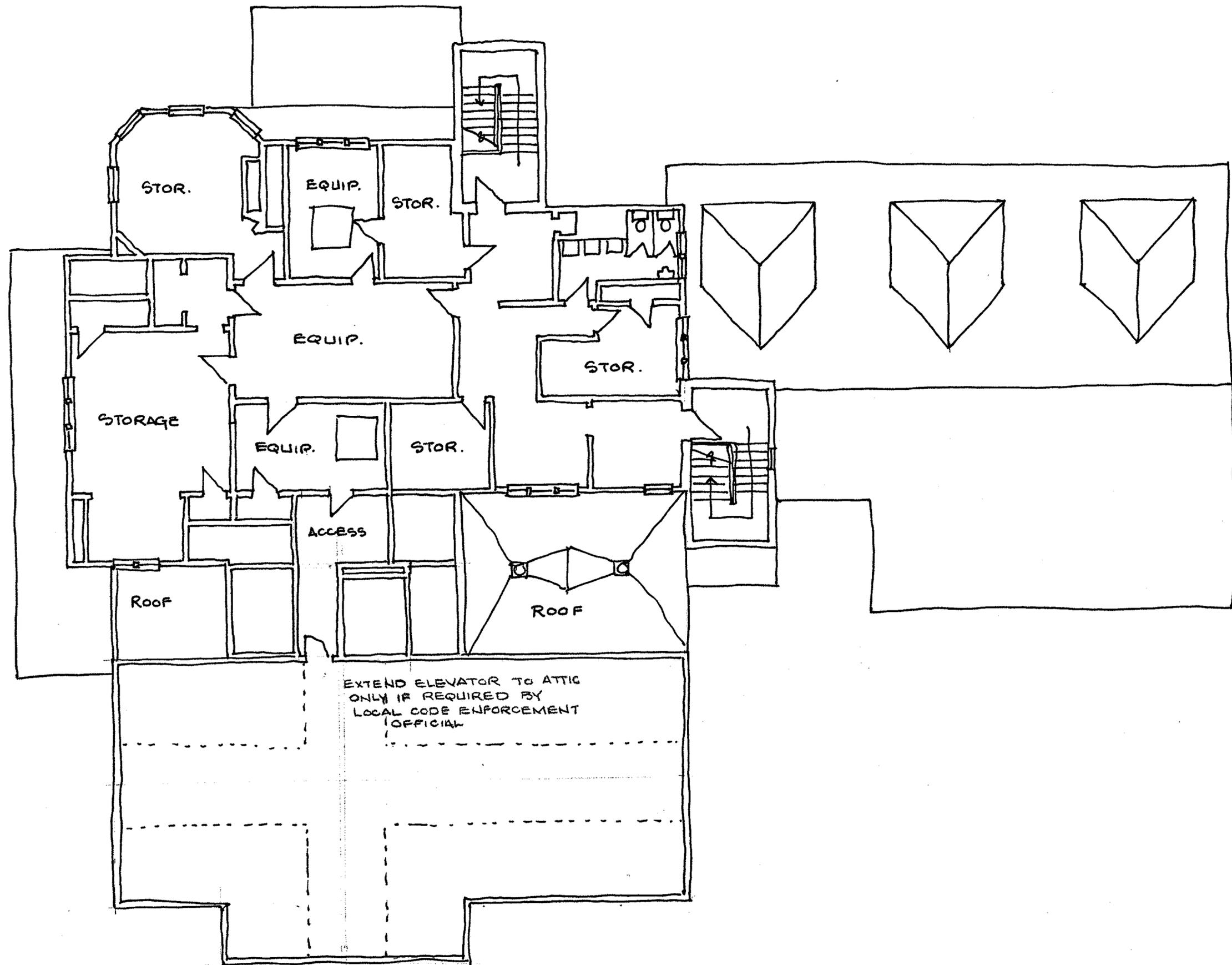
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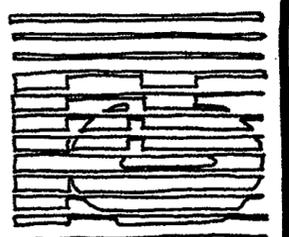
SECOND LEVEL FLOOR PLAN

SCALE: 1/8" = 1'-0"



PROPOSED
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 AND
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ATTIC LEVEL FLOOR PLAN

SCALE: 1/8" = 1'-0"

