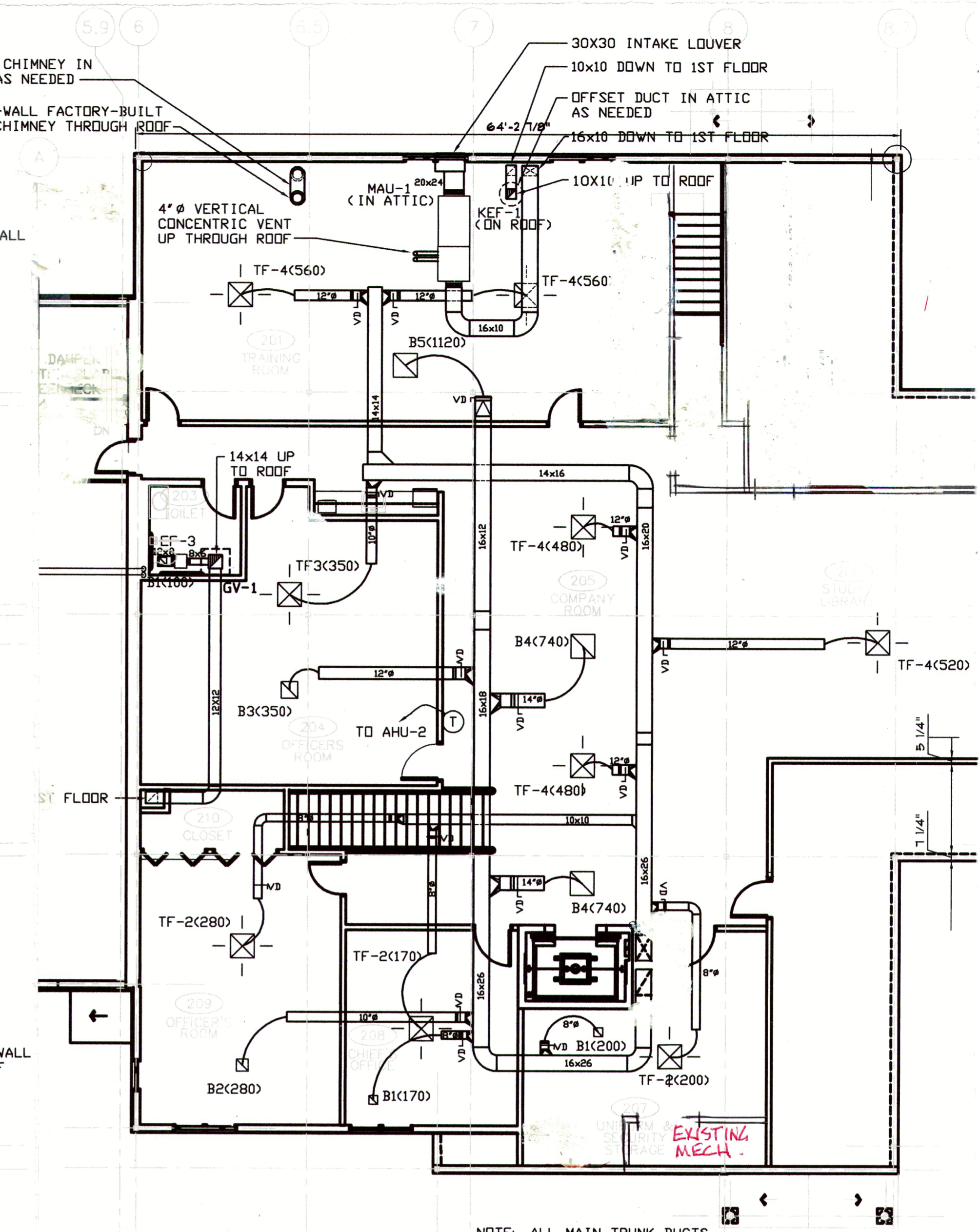
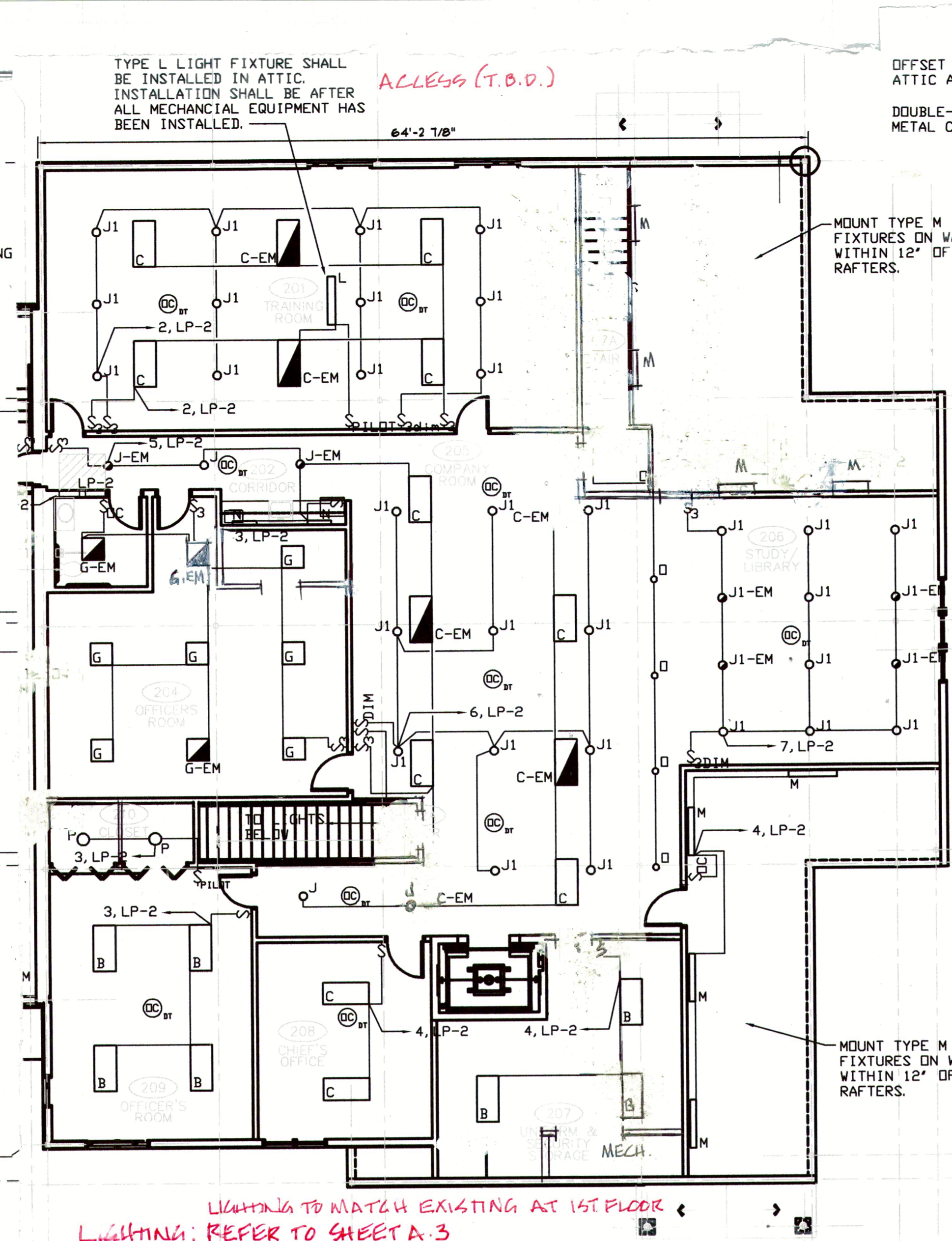
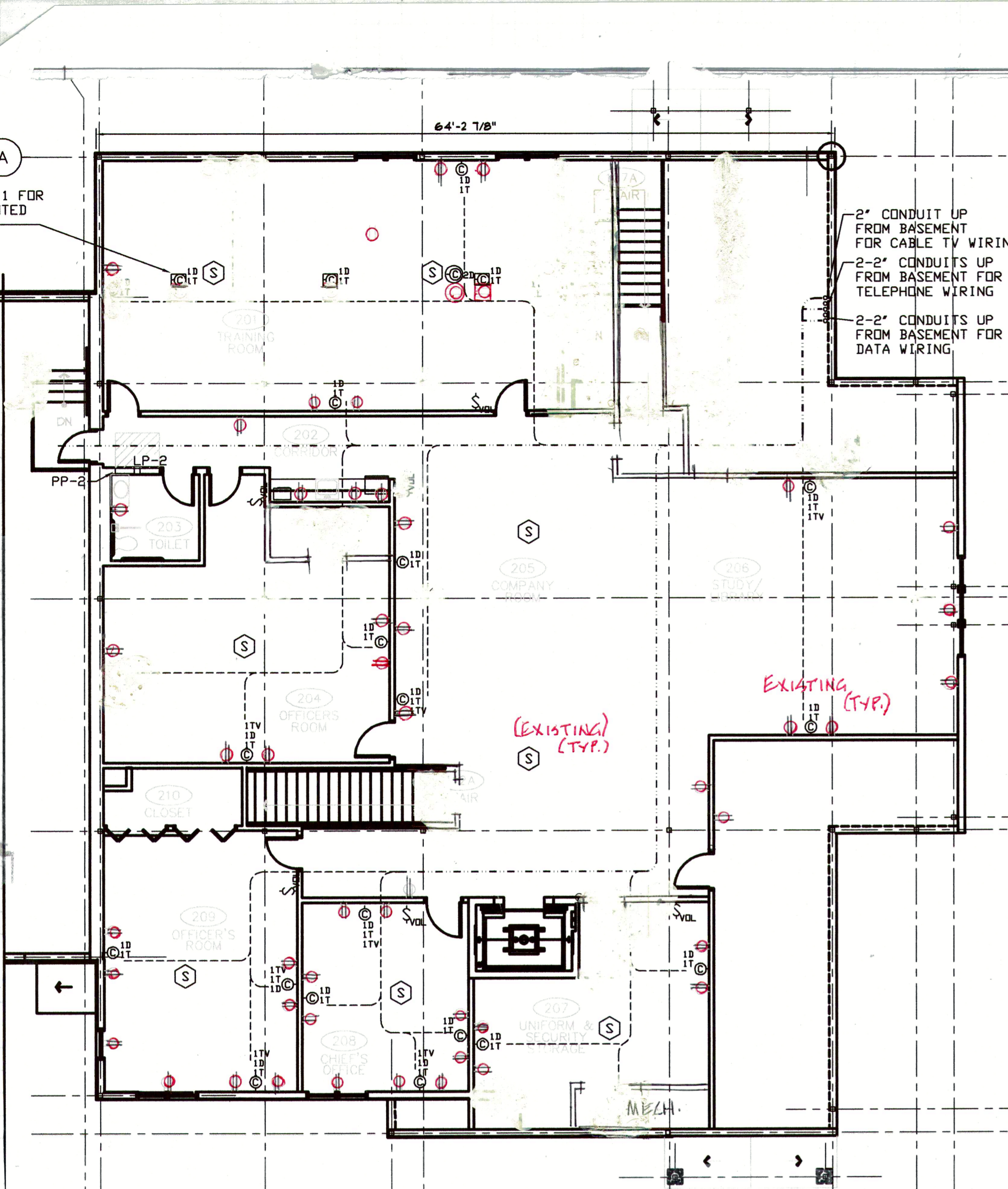


ARCHITECTURE AND GRAPHICS
BOE STUDIO
 19 Tioga Street Tarrington, CT 06790
 e-mail: michael.boe@snet.net
 860-489-3771 FAX 860-489-8331

PROPOSED ADDITION FLOOR PLANS AND BUILDING ELEVATIONS
 ADDITION TO THE LITCHFIELD FIRE COMPANY
 258 WEST STREET, LITCHFIELD, CT

Fire House



Clifford
A. Cooper
Architecture
41 Westover Lane
Litchfield, CT
06759
Tel. 860.309.0712

NORTHFIELD VOLUNTEER
FIRE DEPARTMENT, INC.
12 KNIFE SHOP ROAD,
NORTHFIELD, CT 06778

OCTOBER 4, 2019

TELECOMMUNICATIONS LEGEND	
	COMMUNICATIONS OUTLET (16" AFF UNLESS OTHERWISE NOTED) NUMBER ADJACENT TO SYMBOL INDICATES NUMBER AND TYPE OF DROPS D = CATEGORY 6 DATA TV = COAX TELEVISION T = CATEGORY 6 TELEPHONE
	SPEAKER VOLUME CONTROL
	SURFACE MOUNTED SPEAKER ON WALL
	RECESSED CEILING MOUNTED SPEAKER
----	PATH OF LOW VOLTAGE CABLING - TYPE 1 CABLE SUPPORT
----	PATH OF LOW VOLTAGE CABLING - TYPE 2 CABLE SUPPORT

Lighting to match existing at 1st floor
ELECT. SUB TO REVIEW & PROVIDE SUBMITTAL

Type B - 2' x 4' Recessed Fluorescent fixture
Mounting - Recessed - T-Grid
Lens - Acrylic Prismatic
Lamps - 3 - T8 fluorescent
Ballast - 1 electronic octron
120 volts

Metalux - 2GR8-332A-120-EB81
Columbia - J24-332G-FSA12-EB8120
LSI Lighting - GA-332-SD-SSD-120

Type B-EM shall be same as Type B but have high lumen emergency fluorescent power supply remote mounted above suspended ceiling. High lumen emergency fluorescent power supply shall be as specified in specification 16535.

Type C - 2' x 4' Recessed fluorescent fixture
Mounting - Recessed - T-Grid
Lens - Acrylic Prismatic
Lamps - 4 - T8 fluorescent
Ballast - 1 electronic octron
120 volts

Metalux - 2GR8-432A-120-EB81
Columbia - J24-432G-FSA12-EB8120
LSI Lighting - GA-432-SD-SSD-120

Type C-EM shall be same as Type C but have high lumen emergency fluorescent power supply remote mounted above suspended ceiling. High lumen emergency fluorescent power supply shall be as specified in specification 16535.

Type G - 4' x 4' Recessed fluorescent fixture
Mounting - Recessed - T-Grid
Lens - Acrylic Prismatic
Lamps - 2 - T8 fluorescent U-tube
Ballast - 1 electronic octron
120 volts

Metalux - 2GR8-2U1-S/BA-120-EB81
Columbia - J22-231U1-FSA12-EB8120
LSI Lighting - 2T-GA-2U31-SD-SSD-120

Type G-EM shall be same as Type G but have high lumen emergency fluorescent power supply remote mounted above suspended ceiling. High lumen emergency fluorescent power supply shall be as specified in specification 16535.

Type G1-EM same as Type G-EM except mounting shall be in gyp ceiling.

Type J - 8" diameter open downlight
Mounting - Recessed
Lamps - 2 - 26 watt PL
Ballast - Electronic, End of Life
Low Irrescent, Specular Clear, White Flange, 120 volts

Portfolio - C7226E-7251LI-WF
Prescolite - CFR826U120V-WT492A
Indy - 708R-61E-SA

Type J-EM shall be equal to Type J but have emergency ballast power supply BATT as specified above.

Type J1 shall be equal to Type J but have Lutron Compact SE dimmable ballast.

Type J1-EM shall be equal to Type J1 but have emergency ballast power supply BATT as specified above.

Type M - 4' long Surface Fluorescent fixture
Mounting - Surface
Lens - Opal/Acrylic
Lamps - 1 - T8 fluorescent
Ballast - 1 electronic octron
120 volts

Metalux - BC-132-120-EB81
Columbia - W-4-132-EB8-120
LSI Lighting - W44-4-132-SSD-120

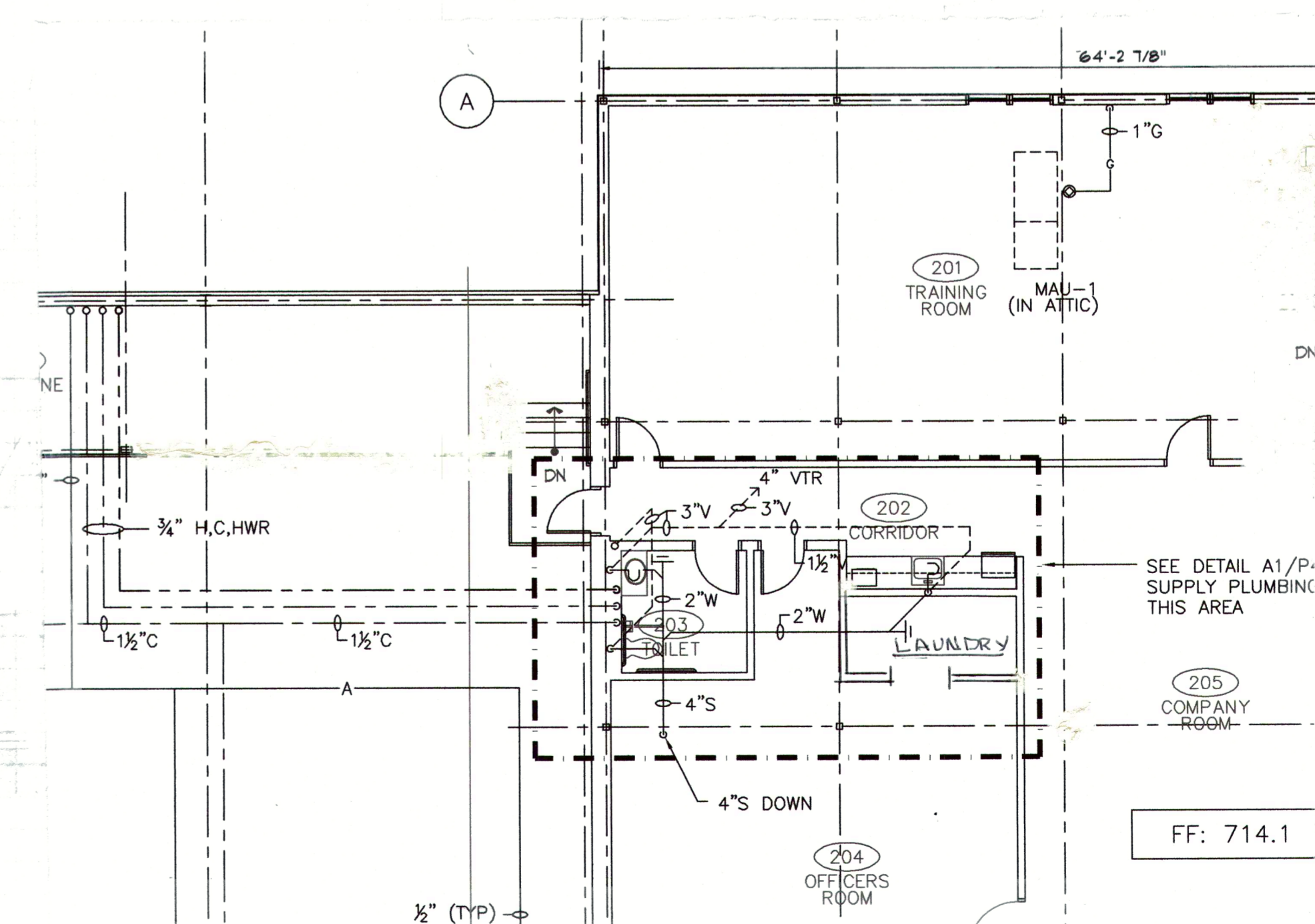
Type D - 6" diameter open downlight
Mounting - Recessed
Lamps - 2 - 18 watt PL
Ballast - Electronic, End of Life
Low Irrescent, Specular Clear, White Flange,
Lutron Compact SE dimmable ballast 120 volts

Portfolio - C6218E-6211LI-TRM6P
Prescolite - CFR618EB-WT372A
Indy - 706R-81H-SA

DUCT WORK LAYOUT:

HVAL SUB TO REVIEW & PROVIDE SUBMITTAL

REGISTERS TO MATCH EXISTING:



PLUMBING: WORK AS SHOWN APPEARS TO BE DONE
EXCEPT FOR LAUNDRY AREA/PROVIDE VENTING
PLUMBING SUB TO PROVIDE SUBMITTAL
FIXTURES/FITTINGS TO MATCH (E) AT 1ST FLOOR

DATE DESCRIPTION
REVISIONS

SEAL

TITLE

MEP

DATE SHEET

JOB# 21906

SCALE AS NOTED

DRAWN

CHECKED

2003 International Building Code
Portion of the 2005 State Building Code
State of Connecticut

Existing Building: Completion of the 2nd Floor
NFVD
12 Knife Shop Road
Northfield, Ct 06778

- Building Area & Height: 2nd floor of an existing building: 5820 Gross Sq. Feet
- Use & Occupancy Classification: A-3 Assembly: Additional uses: Business & Exercise
- Construction Type: Type 5 A, Protected Construction: Per Table 503: 2 stories & 11,500 sq ft allowed
- Fire Protection & Fire Alarm:
- Fire-Resistance Rating Requirements: Table 601: Structural Frame: 1 hour
Bearing Walls: Ext. 1 hour
Int. 1 hour
Non bearing: Int. 0 hour
Floor Const. 1 hour
Roof Const. 1 hour
- Means of Egress:
 - Occupant Load: Assembly: Rms 205/206: 1510 sq. ft. /15= 100 occupants
Rms 201: 968 sq. ft. /15= 64 occupants
(exercise) Rms 204: 412 sq. ft. /50= 8 occupants
(business) Rms 208/209: 615 sq. ft./100= 6 occupants
 - Number of Exits: Required (2); Provided (2)
 - Travel Distance: 200' maximum: proposed: 96' to Exit Stair

UL DESIGN NO. U419

FIRE RATING: 1 HOUR
STC: 100
SOUND TEST: 47dB
SYSTEM THICKNESS: 4 1/8"

1 HOUR EXT. & LOAD BEARING
INTERIOR WALLS

ASSEMBLY OPTIONS:

GYPSUM BOARD: ONE LAYER 5/8" THICK GYPSUM BOARD (UL TYPE U419)
STEEL STUDS: 3-5/8" STEEL STUDS (EQS (0.015"), SPACED 24" O.C.
INSULATION: 3-1/2" THICK GLASS FIBER BATT INSULATION
GYPSUM BOARD: ONE LAYER 5/8" THICK GYPSUM BOARD (UL TYPE U419)

UL DESIGN NO. P922

FIRE RATING: 1 HOUR
STC: N/A
SOUND TEST: N/A
SYSTEM THICKNESS: N/A

NOTES:
FOR THE MOST UP-TO-DATE INFORMATION OR ASSEMBLY OPTIONS,
REFER TO THE UL FIRE RESISTANCE DIRECTORY.
REFER TO THE UL FIRE RESISTANCE DIRECTORY FOR INFORMATION REGARDING
PRODUCT ORIENTATION AND FASTENING REQUIREMENTS.

ASSEMBLY
ROOFING SYSTEM: ANY UL CLASS A, B OR C ROOFING SYSTEM (TPO/FL OR PREPARED ROOF COVERING (TYP))
ROOF SHEATHING: NOM. 15/32" THICK WOOD STRUCTURAL PANELS, MIN. GRADE "C" OR "D" SHEATHING
TRUSSES: PITCHED OR PARALLEL CHORD WOOD TRUSSES, SPACED 24" MAX. O.C., FABRICATED FROM NOM. 2x4 LUMBER, ORIENTED VERTICALLY OR HORIZONTALLY. MIN. TRUSS DEPTH SHALL BE 5 1/4" WITH A MIN. ROOF SLOPE OF 8/12
AIR DUCT: ANY UL CLASS 0 OR CLASS 1 FLEXIBLE AIR DUCT
CEILING DAMPER: MAX. NOM. AREA 324 SQ. IN. MAX. SQUARE SIZE. 18" BY 18". RECTANGULAR SIZES NOT TO EXCEED 324 SQ. IN. WITH WIDTH OF 18"
Cavity INSULATION: MAX. DAMPER HEIGHT 14" MAX.
RESISTANT CHANNELS: 3-1/2" THICK MIN. BATT AND BLANKETS DRAPED OVER RESISTANT CHANNEL AND GYPSUM BOARD CEILING MEMBRANE
GYPSUM BOARD: 12" DEEP, .35 GA. INSTALLED PERPENDICULAR TO THE TRUSSES SPACED 18" MAX. O.C.
ONE LAYER 5/8" THICK GYPSUM BOARD (UL TYPE U419)

OPTION 2. 1 HOUR ROOF/CEILING (SIMILAR TO)

Deck Construction Type	UL Design Number	Concrete Thickness	Panel or Tile Size and Type	Minimum Panel or Tile Thickness	Maximum Fixture Penetration (per 100 SF)	Maximum Duct Penetration (per 100 SF)	Suspension Systems
Double-Plywood (or Plywood), 2" X 10" Wood Joists	U419	5/8"	24" x 48"	5/8"	16	12	4-2
1" Insul - Exposed Grid	U419	5/8"					

NO WORK REQUIRED

203 PLUMBING ROUGHING INSTALLED... PROVIDE FIXTURES VANITY HOC P ACCESSORIES FINISHED TO MATCH.

508/515/518
U419
N.A. U419
CONC. SLAB
OPTION 1. P. 922
OPTION 2. L. 210
SUSPENDED CEILING.

EXISTING 6x6 POSTS TYPICAL
EXISTING 6" METAL STUD WALL
EXISTING 2HR FIRE WALL
2 LAYERS 5/8" X 508 (VERIFY) W.B.D.

201 TRAINING ROOM

202 CORRIDOR

203A LAUNDRY
PROVIDE PLUMBING/VENT ELECT. FINISHES TO MATCH

204 FITNESS ROOM

210 DATA CLOSET

211 STORAGE

208 CHIEF'S OFFICE

209 OFFICER'S ROOM

207 UNIFORM & SECURITY STORAGE

212 STORAGE

206 LIBRARY

212A STORAGE

EXISTING MECHANICALS

EXISTING U419 (VERIFY)

213A NO WORK REQUIRED

PROVIDE EXIT SIGNAGE

213A

DN

AREA OF REFUGE

STEEL BEAM
1-2" UNDER SIDE
2 LAYERS 5/8" TYPE X
X 515" X 518"

Clifford
A. Cooper
Architecture

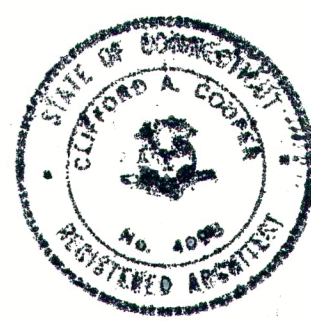
41 Westover Lane
Litchfield, CT
06759
Tel. 860.309.0712

NORTHFIELD VOLUNTEER
FIRE DEPARTMENT, INC.
12 KNIFE SHOP ROAD,
NORTHFIELD, Ct 06778

OCTOBER 4, 2019

DATE DESCRIPTION
REVISIONS

SEAL



TITLE

PROPOSED &
AS-BUILT SURVEY
SECOND FLOOR

DATE SHEET

JOB# 21906

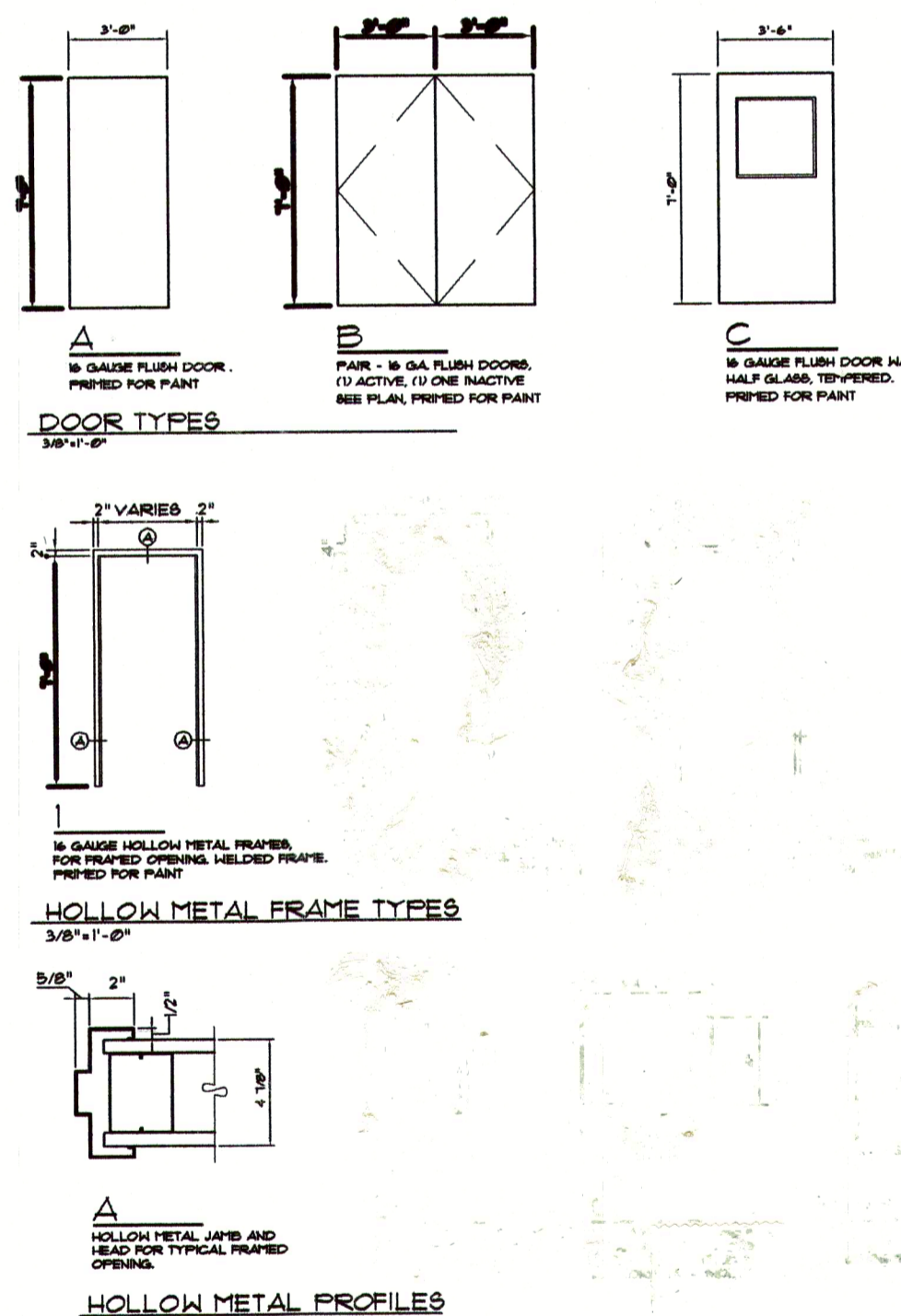
SCALE 1/4" = 1'-0"

DRAWN

CHECKED

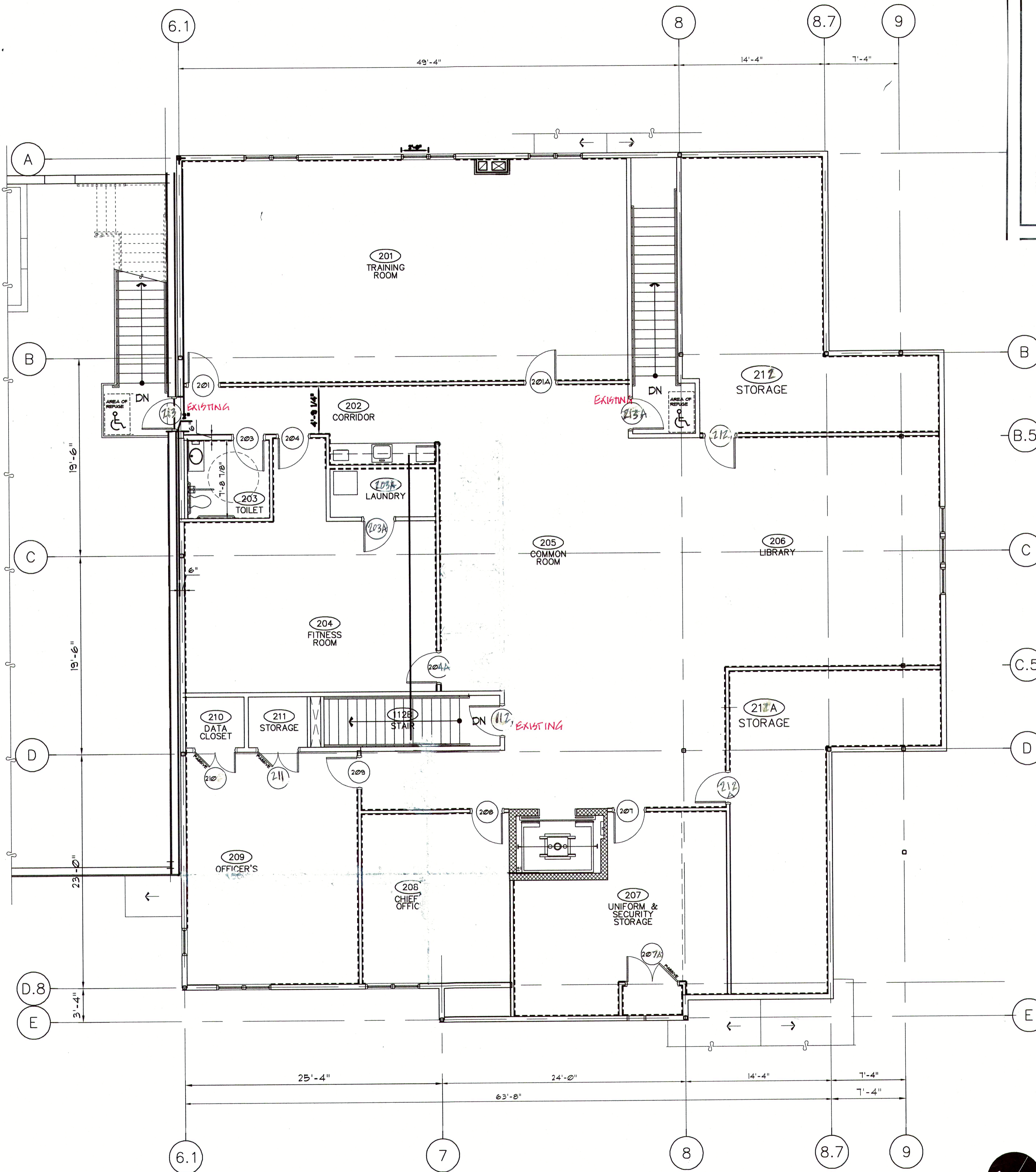
1

DOOR SCHEDULE													
NUMBER	ROOM	TYPE	MAT.	FIRE RATING MINUTES	SIZE (W. X H. X T.)	HARDWARE	FRAMES					REMARKS	
							TYPE	MAT.	THROAT WIDTH	SECTIONS HEAD	JAMB	BILL	
200	TRAINING ROOM	C	SOLID CORE WOOD w/ VISION LITE	-	3'-0" X 7'-0" X 1 3/4"	POSITIVE LATCHING, LEVER HANDLES, KICK PLATES, LOCKING HARDWARE	HM	HM	-	-	-	-	
200A	TRAINING ROOM	C	SOLID CORE WOOD w/ VISION LITE	-	3'-0" X 7'-0" X 1 3/4"	POSITIVE LATCHING, LEVER HANDLES, KICK PLATES, LOCKING HARDWARE	HM	HM	-	-	-	-	
213	112B	EXISTING	HOLLOW METAL	-	3'-0" X 7'-0" X 1 3/4"	POSITIVE LATCHING, LEVER HANDLES, KICK PLATES, LOCKING HARDWARE	HM	HM	-	-	-	-	
213A	112B	EXISTING TO REPAIR	HOLLOW METAL	-	3'-0" X 7'-0" X 1 3/4"	EXISTING	HM	HM	-	-	-	-	
112	112B	EXISTING TO REPAIR	HOLLOW METAL	-	3'-0" X 7'-0" X 1 3/4"	EXISTING	HM	HM	-	-	-	-	
203	TOILET	A	S.C. WOOD	-	3'-0" X 7'-0" X 1 3/4"	TO MATCH	HM	HM	-	-	-	-	
203A	LAUNDRY	A	S.C. WOOD	-	3'-0" X 7'-0" X 1 3/4"	EXISTING	HM	HM	-	-	-	-	
204A	FITNESS	C	S.C. WOOD	-	3'-0" X 7'-0" X 1 3/4"	EXISTING	HM	HM	-	-	-	-	
207	UNIFORM	C	S.C. WOOD	-	3'-0" X 7'-0" X 1 3/4"	1ST FLOOR	HM	HM	-	-	-	-	
208	CHIEF	C	S.C. WOOD	-	3'-0" X 7'-0" X 1 3/4"		HM	HM	-	-	-	-	
209	OFFICER	C	S.C. WOOD	-	3'-0" X 7'-0" X 1 3/4"		HM	HM	-	-	-	-	
210	DATA	B	HOLLOW METAL	-			HM	HM	-	-	-	-	
211	STOR.	B	HOLLOW METAL	-			HM	HM	-	-	-	-	
212	STOR	A	S.C. WOOD	-			HM	HM	-	-	-	-	
212A	STOR	A	S.C. WOOD	-			HM	HM	-	-	-	-	
202A	MECH.	B	HOLLOW METAL	-	2'-3" X 7'-0" X 1 3/4"	TO MATCH	HM	HM	-	-	-	-	
NUMBER		TYPE	MAT.		SIZE (W. X H. X T.)	HARDWARE	FRAMES					REMARKS	
							TYPE	MAT.	THROAT WIDTH	SECTIONS HEAD	JAMB	BILL	



Room #	Walls	Floor	Base	Ceiling	Remarks
Stair 213					Existing...No work required
Stair 213A					Existing...No Work required
Stair 112B					Existing...Provide handrail & guard, verify: paint to match
Training Room 201	G.B.	VCT	Vinyl	Suspended	To match existing
Common Room 205	G.B.	VCT	Vinyl	Suspended	To match existing
Library 206	G.B.	VCT	Vinyl	Suspended	To match existing
Fitness 204	G.B.	VCT	Vinyl	Suspended	To match existing
Corridor 202	G.B.	VCT	Vinyl	Suspended	To match existing
Toilet 203	C.T./G.B.	Q.T.	N.A.	Suspended	To match existing toilet rooms at 1st floor
Laundry 203A	C.T./G.B.	Q.T.	N.A.	Suspended	similar to 203
Uniform 207	G.B.	VCT	Vinyl	Suspended	To match existing
Chief's 208	G.B.	VCT	Vinyl	Suspended	To match existing
Officer's 209	G.B.	VCT	Vinyl	Suspended	To match existing
Data Closet/Storage/Mech./Storage	G.B.	Conc.	N.A.	G.B.	To match existing

Finish painting to match existing materials at 1st floor
Vanity at 203 & Cabinet at 202A to match vanity at 1st floor
Suspended ceiling /grilles/lighting.....to match to existing at 1st floor
Submittals to be provided.



Clifford A. Cooper
Architecture
41 Westover Lane
Litchfield, CT 06759
Tel. 860.309.0712



DATE - 06-14-2019
REVISED -

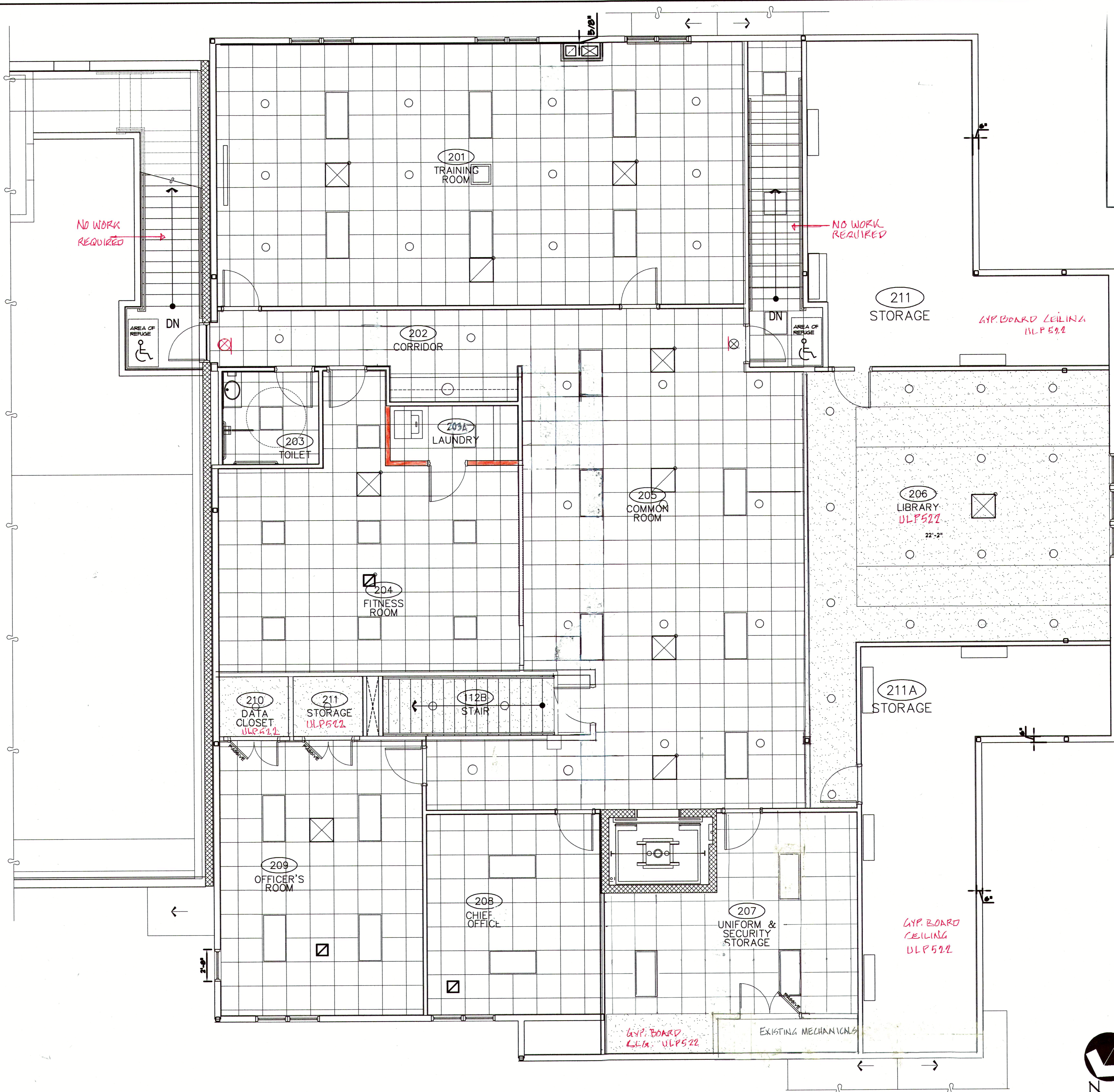
Proposed Renovations to the 2nd Floor
of the Administrative Wing at:
Northfield Volunteer Fire Department, Inc.
12 Knife Shop Road, Northfield, CT 06778

PROJECT: NFVFD
NUMBER: 1904
FILE:
SCALE: 3/8"=1'-0"
SHEET:

A2

RCP LEGEND:

- 2X4 LIGHT FIXTURE IN 2X2 SUSPENDED ACOUSTIC
- 2X2 LIGHT FIXTURE IN 2X2 SUSPENDED ACOUSTIC
- 1X4 LIGHT FIXTURE SURFACE MOUNTED
- 2X4 LIGHT FIXTURE SURFACE MOUNTED
- 2X2 LIGHT FIXTURE SURFACE MOUNTED
- DOWN LIGHT FIXTURE
- DIRECTIONAL EXIT SIGN
- DOORWAY EXIT SIGN
- 8'-0" A.F.F. CEILING HEIGHT
- GYPSUM CEILING
- N.C. NO CEILING
- CENTER LINE
- SUPPLY DIFFUSER
- RETURN DIFFUSER



Clifford
A. Cooper
Architecture

41 Westover Lane
Litchfield, CT 06759
Tel. 860.309.0712



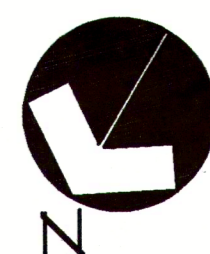
OCTOBER 4, 2019

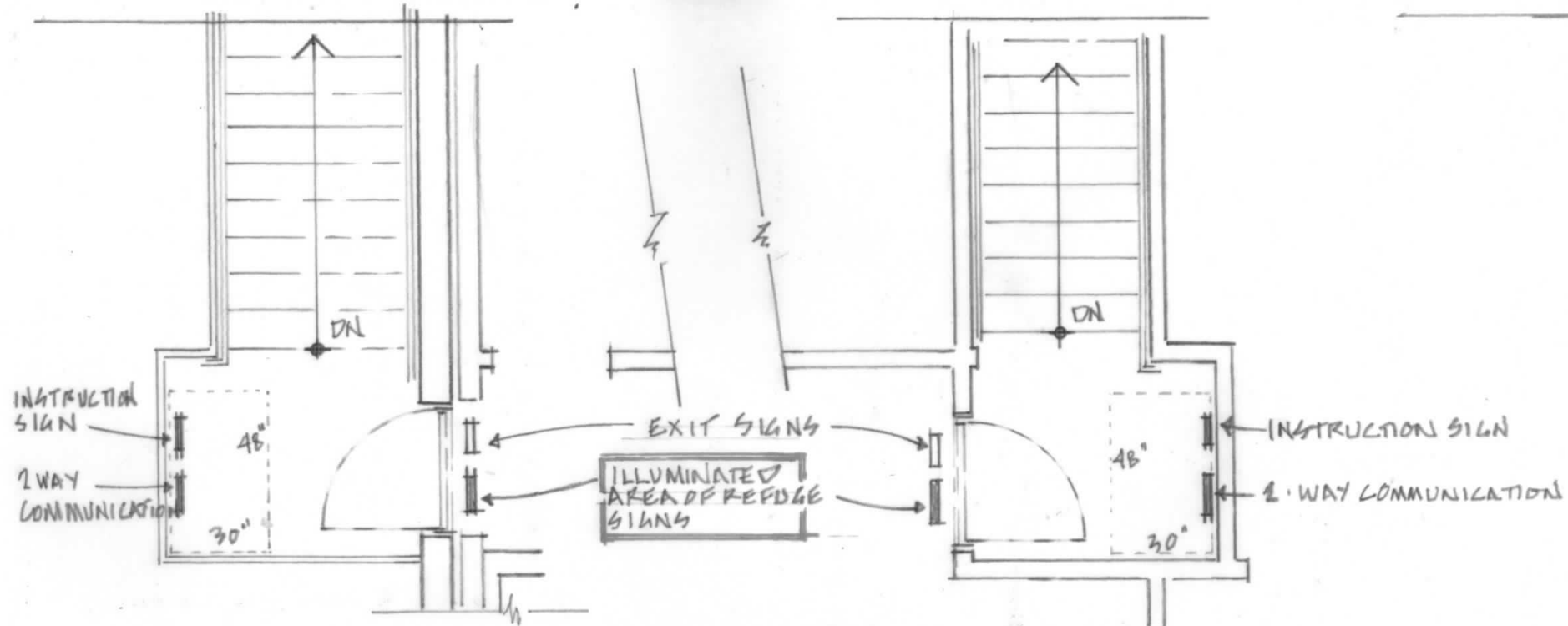
DATE	10/4/19
REVISED	

Renovations to the 2nd Floor
of the Administrative Wing at:
Northfield Volunteer Fire Department, Inc.
12 Knife Shop Road, Northfield, CT 06778

**SECOND FLOOR PLAN
REFLECTED CEILING**

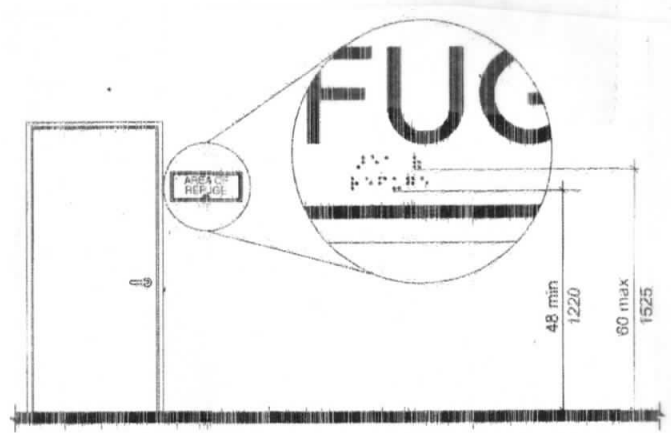
PROJECT: NFVD
NUMBER: 21906
FILE:
SCALE: 1/4" = 1'-0"
SHEET: A-3





- NOTES:**
1. SIGNAGE & LOCATIONS TO BE REVIEWED BY F.M. & BO
 2. SUBMITTAL REQUIRED FOR APPROVAL
 3. EQUIPMENT SHOWN: CONTACT HOUSING DEVICES INC. 781.395.5200

FLOOR PLAN OF AREA OF REFUGE 1/4" = 1'-0"



Note: For raised character mounting height see Section 703.3.10

FIG. 703.4.5

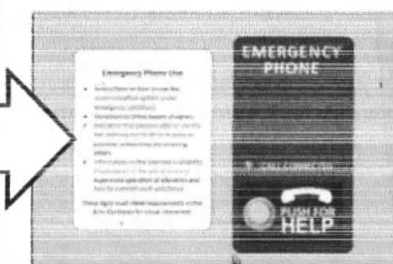
HEIGHT OF BRAILLE CHARACTERS ABOVE FLOOR

HEIGHT OF SIGNAGE (TYPICAL)

Instructions [IBC §1007.6.4 (2003), §1003.2.13.5.4 (2000)]
 The IBC requires signs in areas of refuge with two-way communication that provide:

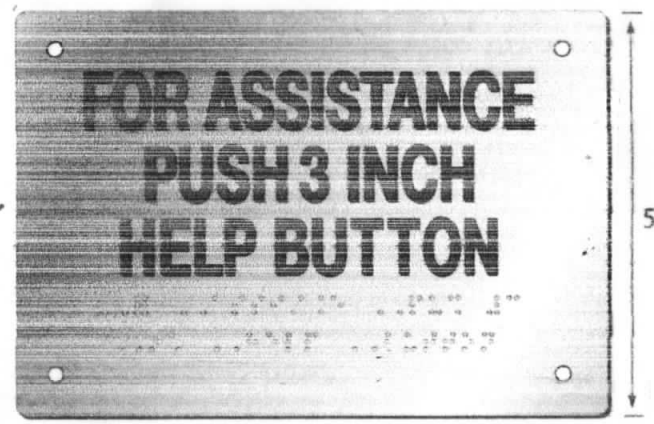
- Instructions on how to use the communication system under emergency conditions
- Directions to other means of egress
- Indication that persons able to use the exit stairway are to do so as soon as possible, unless they are assisting others
- Information on the planned availability of assistance in the use of stairs or supervised operation of elevators and how to summon such assistance

These signs must meet requirements in the ABA Standards, for visual characters (§F216.4.2)

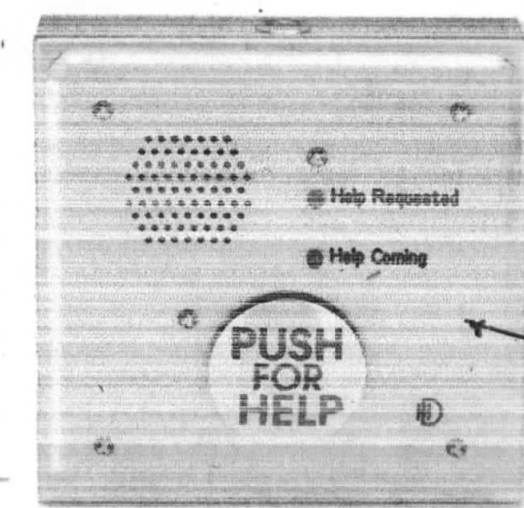


GENERAL INSTRUCTIONS

INSTRUCTION SIGN
 "ADA-135"
 OR SIMILAR.



7.25"



ILLUMINATED SIGN AT EXIT

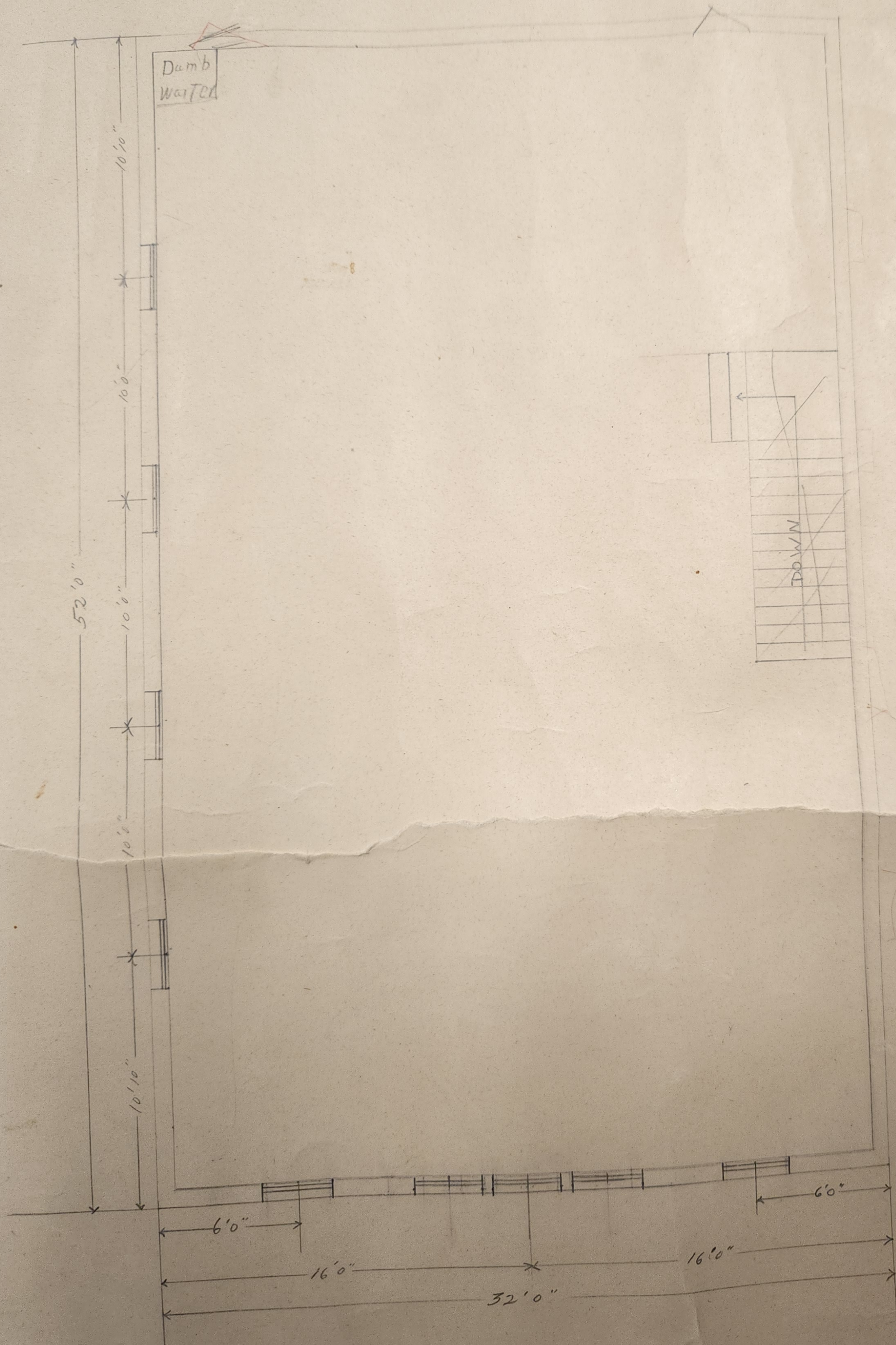
ADA-15-UL
 OR SIMILAR.
 (CANOPY MOUNT)

2-WAY COMMUNICATION
 "ADA 100 SYSTEM"
 OR SIMILAR

Clifford A. Cooper
 ARCHITECTURE
 Residential • Commercial
 Clifford A. Cooper
 Principal Architect
 Stacie Farrell Kavle
 Associate Architect
 860.309.0712

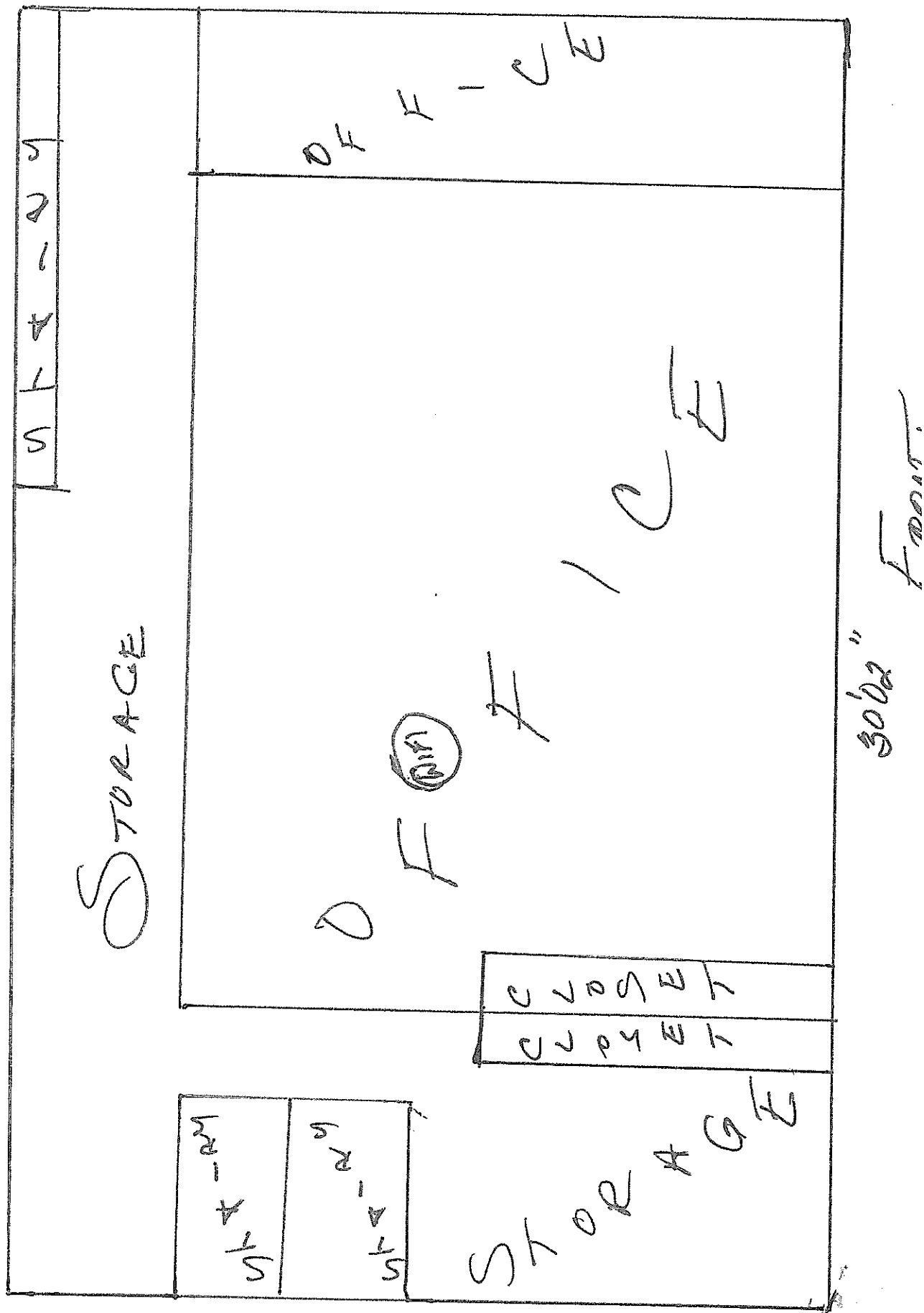
NORTHFIELD
 FIRE DEPT.
 2ND FLOOR
 07.14.2022

ADDENDUM
 AREA OF
 REFUGE
 AD. 1



2ND FLOOR

ASSEMBLY



1st FLOOR FRONT

28' 06"

12' 02"

GARAGE

BAYS

(101 F1)

STORAGE

+

LAUNDRY AREA

STAIRS

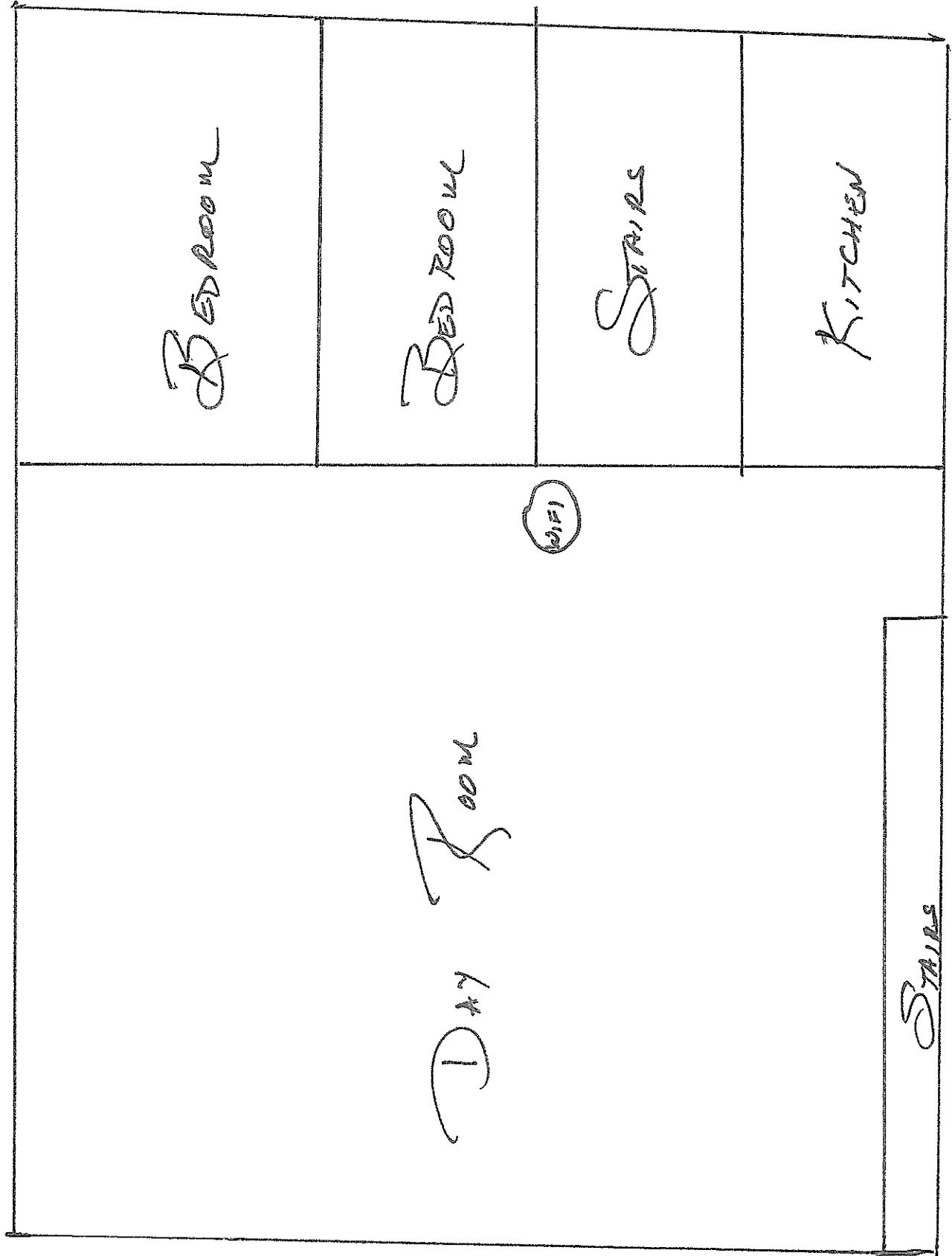
SHOWER

STAIRS

BATHROOM

28' 00"

2nd floor
Front



28'0"

31'05"



Town of Litchfield, CT

Property Listing Report

Map Block Lot

206-036-054

Building # 1

Section # 1

Account

030009

Property Information

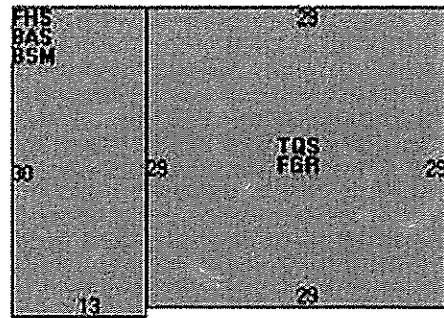
Property Location	11 EAST ST
Owner	BERKSHIRE HILLS AMBULANCE ASSOC
Co-Owner	na
Mailing Address	PO BOX 651 LITCHFIELD CT 06759-0651
Land Use	920 Exempt Comm
Land Class	E
Zoning Code	3
Census Tract	1

Street Index	160
Acreage	0.69
Utilities	UNKNOWN
Lot Setting/Desc	UNKNOWN UNKNOWN
Additional Info	

Photo



Sketch



Primary Construction Details

Year Built	1989
Stories	1.75
Building Style	Other Municip
Building Use	Comm/Ind
Building Condition	A
Interior Floors 1	Hardwood
Interior Floors 2	Carpet
Total Rooms	0
Basement Garages	
Occupancy	1.00
Building Grade	

Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Bath Style	NA
Kitchen Style	NA
Roof Style	Gable
Roof Cover	Arch Shingles
AC Type	None
Fireplaces	0

Exterior Walls	Clapboard
Exterior Walls 2	NA
Interior Walls	Drywall
Interior Walls 2	NA
Heating Type	Forced Hot Air
Heating Fuel	Propane
Sq. Ft. Basement	
Fin BSMT Quality	
Extra Kitchens	



Town of Litchfield, CT

Property Listing Report

Map Block Lot

206-036-054

Building #

1

Section #

•

Account

030009

Valuation Summary (Assessed value = 70% of Appraised Value)

Sub Areas

Item	Appraised	Assessed	Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Buildings	196390	137470	First Floor	390	390
Extras	0	0	Basement	390	0
Improvements			Garage	841	0
Outbuildings	2030	1420	Finished Half Story	390	195
Land	112500	78750	Three Quarter Story	841	589
Total	310920	217640			

Outbuilding and Extra Features

[illegible]

Total Area	2852	1174

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
BERKSHIRE HILLS AMBULANCE ASSOC	0154/0423	1975-05-20	0