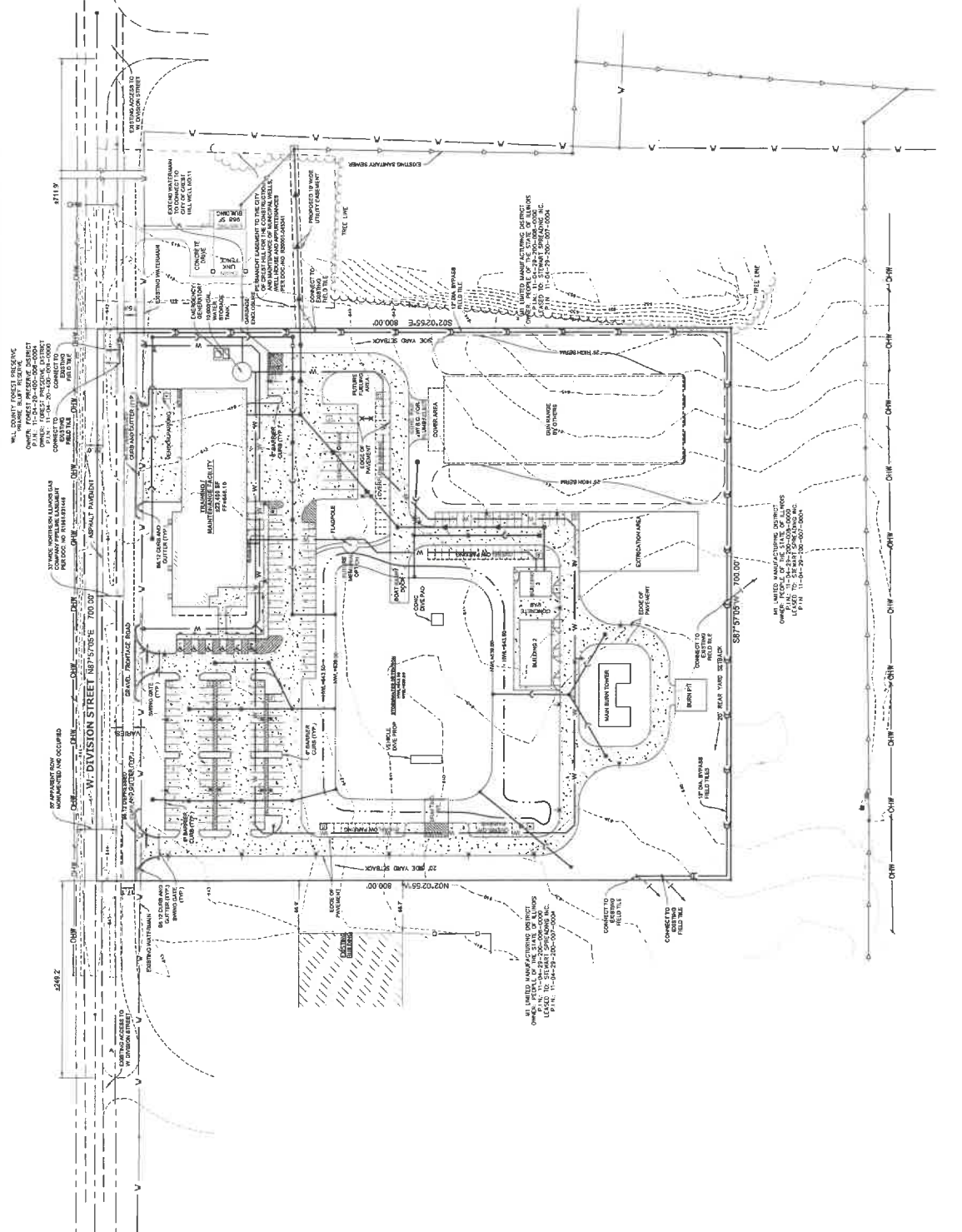
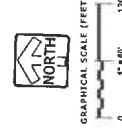
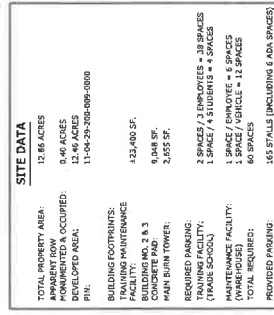
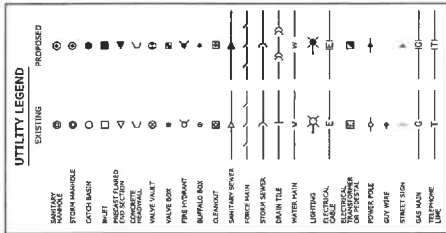
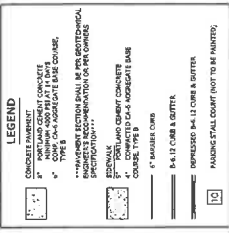


EXHIBIT 'A'



**CONCEPTUAL PLANNED
UNIT DEVELOPMENT
SITE PLAN**

REVIEWS	
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

**LOCKPORT TOWNSHIP FPD
TRAINING & MAINTENANCE FACILITY
CREST HILL, ILLINOIS**

DESIGN FIRM 184.006289-0010

PINNACLE ENGINEERING GROUP

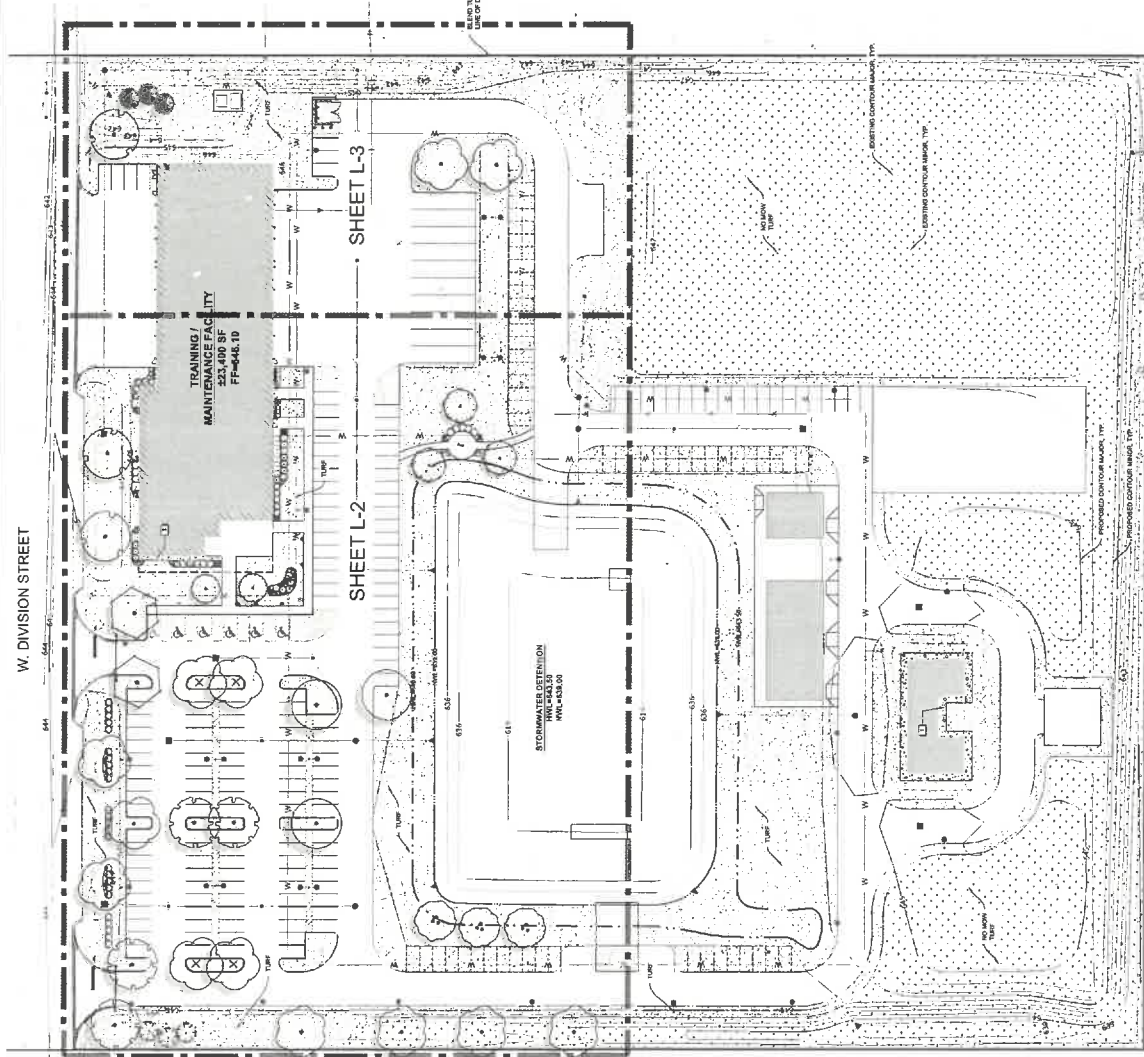
ENGINEERING • NATURAL RESOURCES SURVEYING

1051 E. MARKET STREET, SUITE 212
EAST RUMBLE, AL 37878
865/533-1900
C/O: 6020 WILLOWHURST, ALABAMA

CONTACT: JAMES
WWW.PINNACLE-ENG.COM

PLAN IT DESIGN IT DELIVER IT

W. DIVISION STREET



PLANT SCHEDULE				
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
TREES				
BH1	3	Acer rubrum 'Nimbus' dwarf	Nimbus Red Maple	1 1/2" cal.
BH2	3	Betula nana 'Nimbus' dwarf	Nimbus White Birch	7' ht.
BH3	3	Salix caprea 'Nimbus' dwarf	Nimbus Willow	50" T x 20" W
BH4	3	Salix purpurea 'Nimbus' dwarf	Nimbus Purple Willow	50" T x 20" W
BH5	3	Salix purpurea 'Nimbus' dwarf	Nimbus Purple Willow	50" T x 20" W
BH6	3	Salix purpurea 'Nimbus' dwarf	Nimbus Purple Willow	50" T x 20" W
BH7	3	Salix purpurea 'Nimbus' dwarf	Nimbus Purple Willow	50" T x 20" W
BH8	3	Salix purpurea 'Nimbus' dwarf	Nimbus Purple Willow	50" T x 20" W
BH9	3	Salix purpurea 'Nimbus' dwarf	Nimbus Purple Willow	50" T x 20" W
BH10	3	Salix purpurea 'Nimbus' dwarf	Nimbus Purple Willow	50" T x 20" W
EVERGREEN TREES				
BH11	3	Thuja occidentalis 'Nimbus' dwarf	Nimbus Blue Cedar	1 1/2" cal.
BH12	3	Thuja occidentalis 'Nimbus' dwarf	Nimbus Blue Cedar	1 1/2" cal.
BH13	3	Thuja occidentalis 'Nimbus' dwarf	Nimbus Blue Cedar	1 1/2" cal.
BH14	3	Thuja occidentalis 'Nimbus' dwarf	Nimbus Blue Cedar	1 1/2" cal.
BH15	3	Thuja occidentalis 'Nimbus' dwarf	Nimbus Blue Cedar	1 1/2" cal.
ORNAMENTAL TREES				
BH16	3	Quercus macrocarpa	White Oak	1 1/2" cal.
BH17	3	Quercus macrocarpa	White Oak	1 1/2" cal.
BH18	3	Quercus macrocarpa	White Oak	1 1/2" cal.
BH19	3	Quercus macrocarpa	White Oak	1 1/2" cal.
BH20	3	Quercus macrocarpa	White Oak	1 1/2" cal.
SHRUBS				
BH21	3	Hydrangea macrophylla 'Nimbus' dwarf	Nimbus Hydrangea	3 gal.
BH22	3	Hydrangea macrophylla 'Nimbus' dwarf	Nimbus Hydrangea	3 gal.
BH23	3	Hydrangea macrophylla 'Nimbus' dwarf	Nimbus Hydrangea	3 gal.
BH24	3	Hydrangea macrophylla 'Nimbus' dwarf	Nimbus Hydrangea	3 gal.
BH25	3	Hydrangea macrophylla 'Nimbus' dwarf	Nimbus Hydrangea	3 gal.
SOURCE TREES				
BH26	3	Quercus macrocarpa	White Oak	1 1/2" cal.
BH27	3	Quercus macrocarpa	White Oak	1 1/2" cal.
BH28	3	Quercus macrocarpa	White Oak	1 1/2" cal.
BH29	3	Quercus macrocarpa	White Oak	1 1/2" cal.
BH30	3	Quercus macrocarpa	White Oak	1 1/2" cal.
ORNAMENTAL SHRUBS				
BH31	3	Hydrangea macrophylla 'Nimbus' dwarf	Nimbus Hydrangea	3 gal.
BH32	3	Hydrangea macrophylla 'Nimbus' dwarf	Nimbus Hydrangea	3 gal.
BH33	3	Hydrangea macrophylla 'Nimbus' dwarf	Nimbus Hydrangea	3 gal.
BH34	3	Hydrangea macrophylla 'Nimbus' dwarf	Nimbus Hydrangea	3 gal.
BH35	3	Hydrangea macrophylla 'Nimbus' dwarf	Nimbus Hydrangea	3 gal.
ORNAMENTAL GRASSES				
BH36	3	Andropogon scoparius	Black Switchgrass	1 gal.
BH37	3	Andropogon scoparius	Black Switchgrass	1 gal.
BH38	3	Andropogon scoparius	Black Switchgrass	1 gal.
BH39	3	Andropogon scoparius	Black Switchgrass	1 gal.
BH40	3	Andropogon scoparius	Black Switchgrass	1 gal.
Turf				
BH41	3	Turf	Turf	1500 sq ft
BH42	3	Turf	Turf	1500 sq ft
BH43	3	Turf	Turf	1500 sq ft
BH44	3	Turf	Turf	1500 sq ft
BH45	3	Turf	Turf	1500 sq ft

REFERENCE NOTE SCHEDULE	
SYMBOL	DESCRIPTION
1	STONE WALL - #1 CLEAR STONE
2	STONE WALL - #1 CLEAR STONE



LOCKPORT TOWNSHIP FIRE PROTECTION DISTRICT
CREST HILL, ILLINOIS

PLANNING & DESIGN DELIVER

PINNACLE ENGINEERING GROUP

ENGINEERING | LANDSCAPE ARCHITECTURE | SURVEYING

154-086250-0010

ILL. DESIGN PERM 154-086250-0010

REVISIONS

NO.	DATE	DESCRIPTION
1	10/1/2020	ISSUED FOR PERMIT

LANDSCAPE OVERVIEW

154-086250-0010

SHEET

1-1

OF

1-4

LOCKPORT TOWNSHIP FIRE PROTECTION DISTRICT - LANDSCAPE OVERVIEW

GENERAL PLANTING NOTES

- [illegible]

SOIL PLACEMENT NOTES

1. LOOSEN SUBGRADE TO A MINIMUM DEPTH INDICATED IN PLANTING NOTED UNDER A CULMATERIAL OR SIMILAR EQUIPMENT, AND REMOVE STONES MEASURING OVER 4 INCHES IN ANY DIMENSION. REMOVE ALL EXISTING ROOTS AND STUMP REMAINS OF TREES AND PAVEMENT MATERIALS TO A MINIMUM DEPTH OF 12 INCHES. REMOVE ALL EXISTING ASPHALT, CONCRETE, AND PAVING MATERIALS SO AS TO PROVIDE AN UNINTERRUPTED CROSS SECTION OF SOIL. INTERNAL PAVING ISLANDS SHALL BE LOOSENED TO A DEPTH OF 12 INCHES.
2. THOROUGHLY BLEND PLANTING SOIL MIX FOR PLANTING BED AREAS. (1 PART EXISTING SOIL, 1 PART TOPSOIL, 1 PART ORGANIC SOIL AMENDMENT, 2.8 POUNDS PER CUBIC YARD OF 4-44 ANALYSIS SLOW RELEASE FERTILIZER)
3. TREE AND SHRUB HOLES SHALL BE FILLED WITH A PREPARED PLANTING MIXTURE OF TOPSOIL, SUBGRADE, 3 PARTS PLANTING SOIL MIX.
4. PLANTING BEDS SHALL BE GRADUALLY SLOPED TO PREVENT POOR DRAINAGE, BUT NOT LESS THAN REQUIRED TO MEET FISH BEDS BELOW AN UPRAL BUILT ELEVATION. FINISH GRADE OF PLANTING BEDS SHALL BE 3" BELOW ALL ADJACENT SURFACES. FINISH GRADE OF TURF SEEDING AREAS SHALL BE 1" BELOW ALL ADJACENT HARD SURFACES.
5. PLACE APPROXIMATE 1/2 OF TOTAL AMOUNT OF SOIL REQUIRED W/IN TOP OF LOOSENED SUBGRADE TO CREATE A TRANSITION LAYER, THEN PLACE REMAINDER OF THE SOIL. SOIL TRANSITION LAYER SHALL BE TILLED TO A MINIMUM DEPTH OF 12 INCHES. FINISH GRADE OF PLANTING BEDS SHALL BE 3" BELOW ALL ADJACENT SURFACES. SOIL SHALL BE GROWN TO A HEIGHT OF 8" TO PROVIDE PROPER DRAINAGE UNLESS OTHERWISE NOTED.
6. DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
7. DO NOT SPREAD IF PLANTING SOIL IS NOT TO A SMOOTH, UNIFORM SURFACE PLANE WITH A LOOSE, UNIFORM FINE TEXTURE.
8. ROLL AND COMPACT, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.
9. RESTORE PLANTING BEDS IF FROZEN OR OTHERWISE DISTURBED AFTER FINISH GRADING AND BEFORE PLANTING.

**LANDSCAPE ENLARGEMENT
& NOTES**

[illegible]

**LOCKPORT TOWNSHIP FIRE
PROTECTION DISTRICT**
CREST HILL, ILLINOIS

DESIGN FIRM 184-006289-2010

PINNACLE ENGINEERING GROUP

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CHRYSTOPHER@PENG-GRUP.COM

CONTRACTORS

PLANT DESIGN/DELIVER
www.pinnacle-engineer.com


PINNACLE ENGINEERING GROUP
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 CHICAGO, IL 60610
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 FAX: 312.551.2002
 WWW.PINNACLE-PE.COM

EXHIBIT 'C'

fgma

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630.574.1070 Fax
FIRM PROFESSIONAL DESIGN
FIRM #14000310

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FIRM #14000310

STRUCTURAL
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ELECTRICAL
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www.fgma.com
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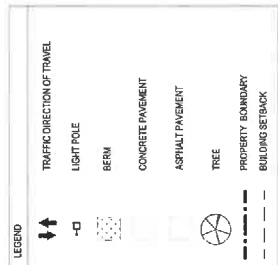
DATE: 10/24/2024
BY: J. HENNING
PROJECT: LOCKPORT TOWNSHIP FPD
SHEET: 1 OF 1

LOCKPORT TOWNSHIP FPD
TRAINING GROUNDS
LOCKPORT FIRE PROTECTION DISTRICT
W DIVISION ST, LOCKPORT, ILLINOIS 60441

OVERALL
ARCHITECTURAL SITE
PLAN
SHEET NO.
AS-0.1

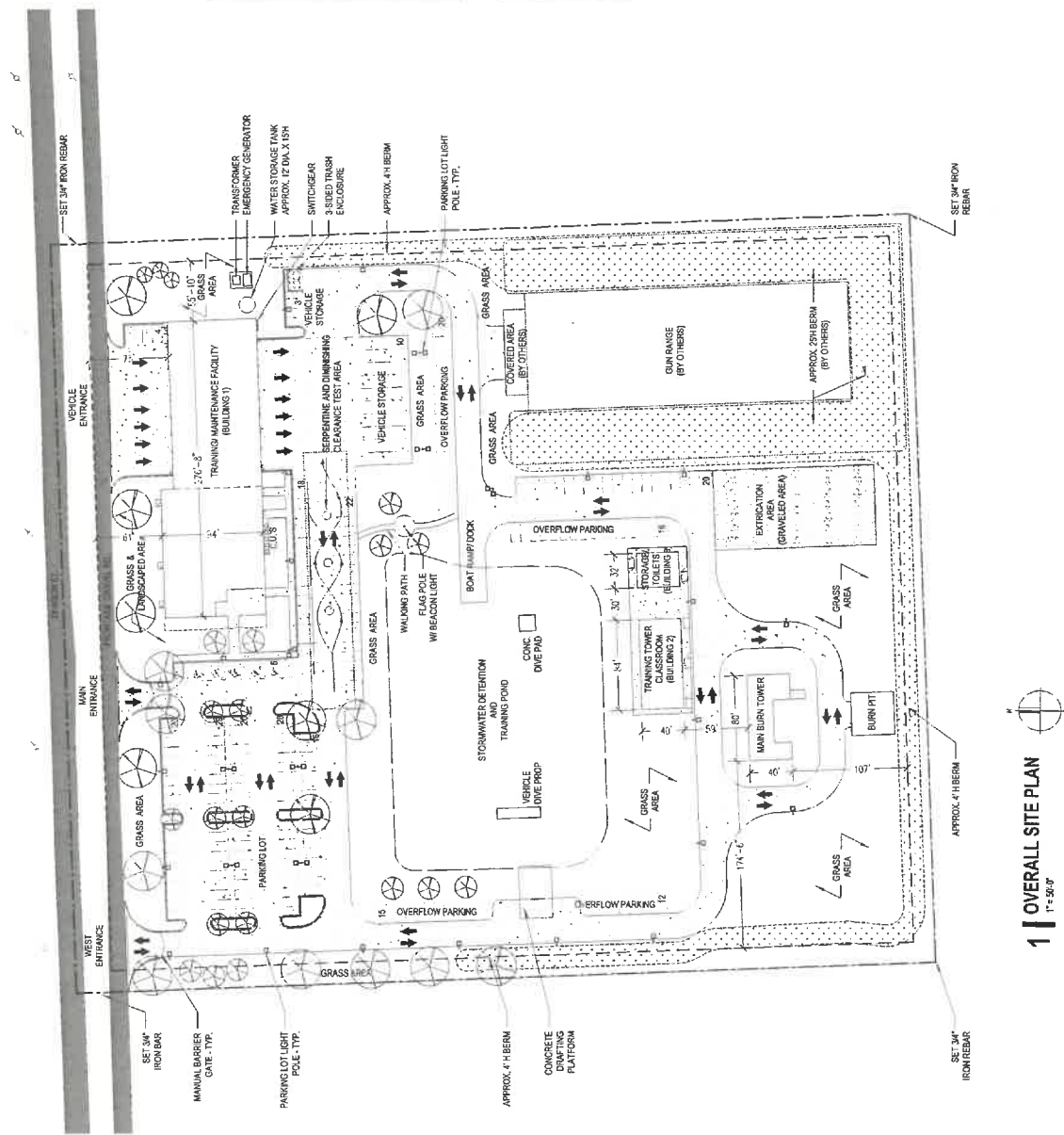
JOB NO. 21-3640-02
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- GENERAL NOTES
1. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
 2. REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
 3. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 4. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 5. BUILDINGS ON SITE:
 - 5.1. BUILDING 1 (TRAINING MAINTENANCE FACILITY, 23,100 USF)
 - 5.2. BUILDING 2 (TOILETS, 1,000 USF)
 - 5.3. BUILDING 3 (CLASSROOM, 3,300 USF)
 - 5.4. MAIN BURN TOWER, 7,800 USF
 - 5.5. IMPROVISED AREA, 14,100 USF
 6. IMPROVISED AREA, 14,100 USF:
 - 6.1. IMPROVISED AREA, 14,100 USF
 - 6.2. IMPROVISED AREA, 14,100 USF
 - 6.3. ACTUAL (2024), 3.86 ACRES (168,128 SF)



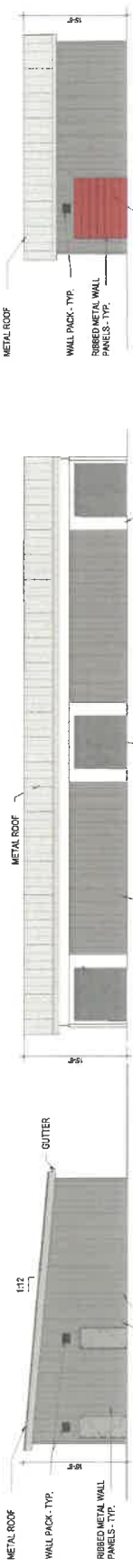
USE	REQUIRED PKG.	ACTUAL PKG.
BUSINESS (ZONING ORD. 11.2-6)	38 (CLASSROOMS)	4 (EMPLOYEES)
WAREHOUSE (ZONING ORD. 11.2-4)	4 (EMPLOYEES)	12 VEHICLES
TOTAL	50	169

- PARKING NOTES
1. THREE (3) IC PARKING REQUIRED, SIX (6) ARE PROVIDED.
 2. TEN (10) LARGE VEHICLE (FIRE TRUCK) STORAGE SPACES ARE PROVIDED.
 3. THREE (3) STANDARD VEHICLE STORAGE PARKING SPACES ARE PROVIDED.
- OVERFLOW PARKING OF 80 IS PROVIDED IN ADDITION TO OVERFLOW LISTED IN TABLE ABOVE.



1 OVERALL SITE PLAN
1" = 50'-0"

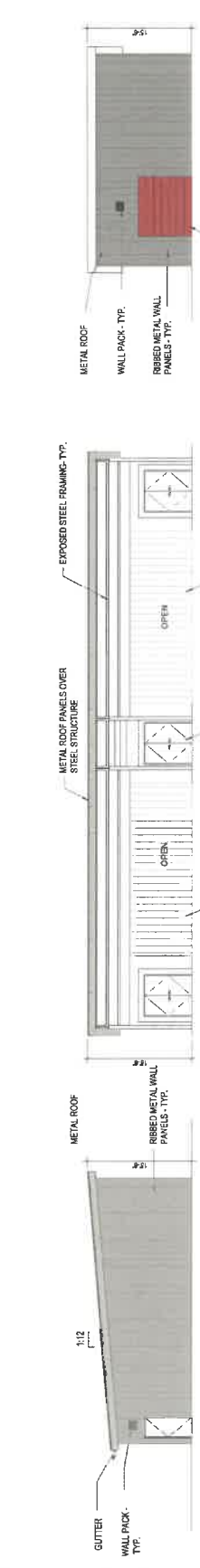
EXHIBIT 'E'



6 EAST ELEVATION - BUILDING 3
1:12
18' = 1'-0"

7 NORTH ELEVATION - BUILDING 3
1:12
18' = 1'-0"

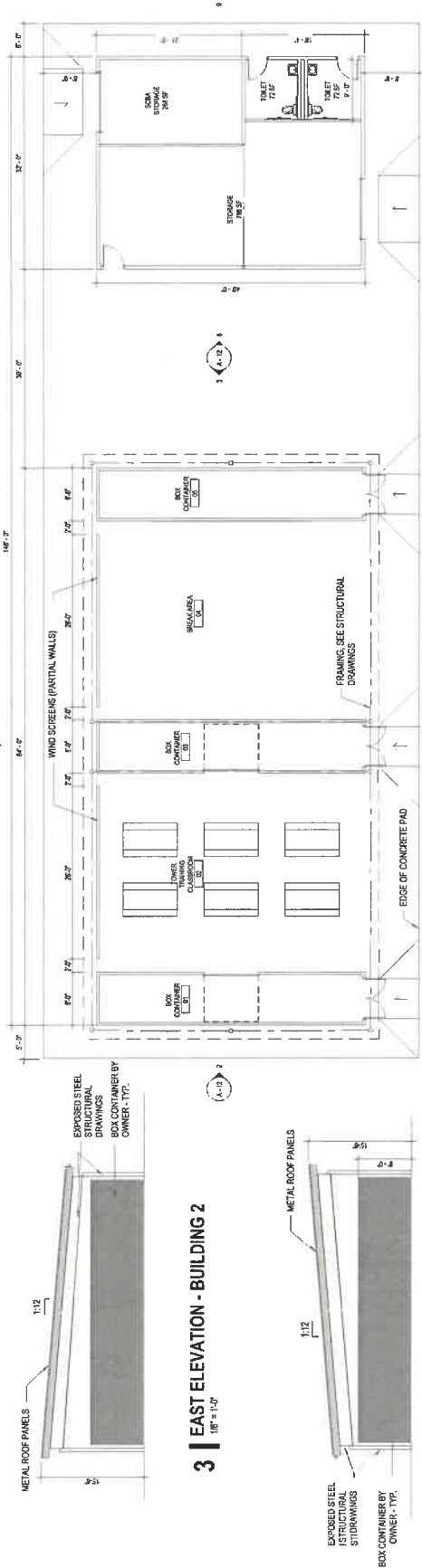
4 SOUTH ELEVATION - BUILDING 3
1:12
18' = 1'-0"



6 WEST ELEVATION - BUILDING 3
1:12
18' = 1'-0"

5 NORTH ELEVATION - BUILDING 2
1:12
18' = 1'-0"

5 SOUTH ELEVATION - BUILDING 2
1:12
18' = 1'-0"



3 EAST ELEVATION - BUILDING 2
1:12
18' = 1'-0"

1A FLOOR PLAN - BUILDING 2
1:12
18' = 1'-0"

1 FLOOR PLAN - BUILDING 3
1:12
18' = 1'-0"

2 WEST ELEVATION - BUILDING 2
1:12
18' = 1'-0"

fgma

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NO	DATE	DESCRIPTION
1	08/01/2024	PUD SUBMITTAL

LOCKPORT TOWNSHIP FPD
TRAINING GROUNDS
LOCKPORT FIRE PROTECTION DISTRICT
W DIVISION ST, LOCKPORT, ILLINOIS 60441

BUILDINGS 2 (TOWER TRAINING CLUSTER) & BUILDING 3 (TOILET/STORAGE)

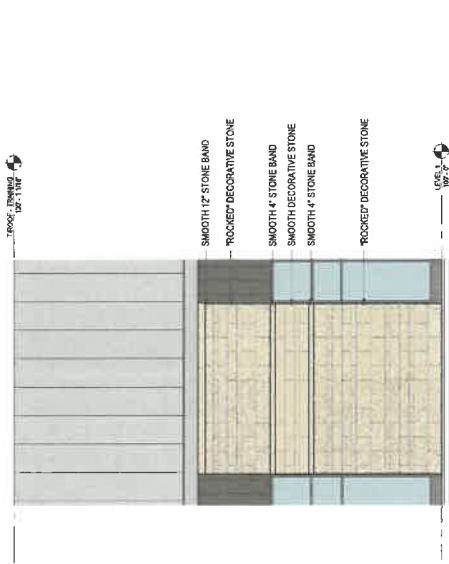
A - 12
SHEET NO.
PDR NO. 23-000402
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LOCKPORT TOWNSHIP FPD TRAINING GROUNDS

W DIVISION ST, LOCKPORT, ILLINOIS 60441

EXHIBIT 'F'

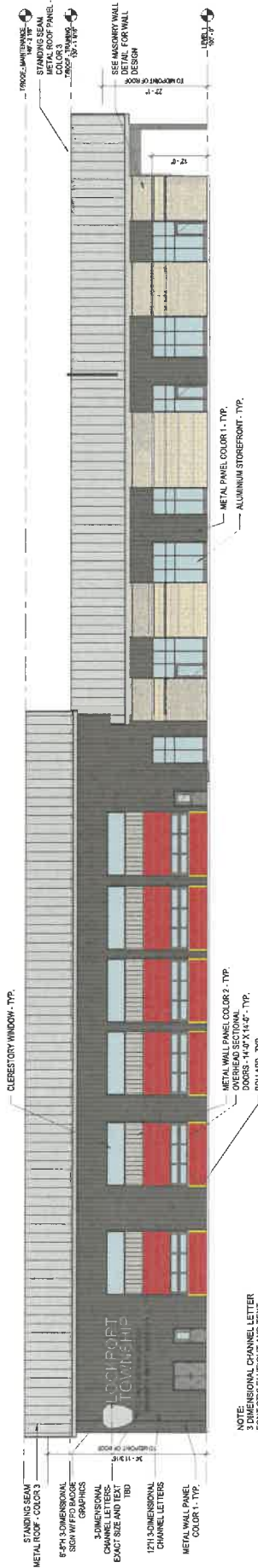
PG. 1



WEST ELEVATION

NOTE:
3 DIMENSIONAL CHANNEL LETTER
FONT STYLE, HEIGHT AND TEXT
TO BE DETERMINED.
BOTTOM OF LOWEST LETTER WILL
BE GREATER THAN 10 FT. ABOVE
FINISH FLOOR.

MASONRY WALL DETAIL



NORTH ELEVATION

NOTE:
3 DIMENSIONAL CHANNEL LETTER
FONT STYLE, HEIGHT AND TEXT
TO BE DETERMINED.
BOTTOM OF LOWEST LETTER WILL
BE GREATER THAN 10 FT. ABOVE
FINISH FLOOR.

BUILDING 1 - ELEVATIONS

SCALE: 3/32" = 1'-0"

LOCKPORT FIRE PROTECTION DISTRICT

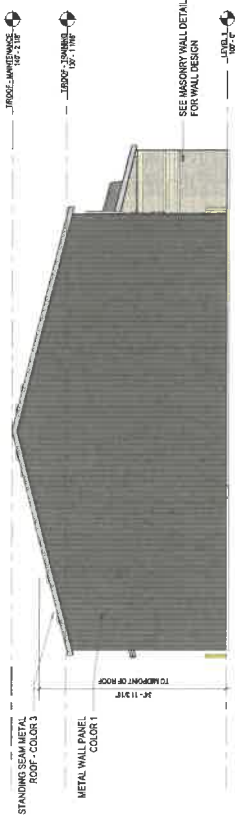
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EXHIBIT 'F'
PG. 2



EAST ELEVATION



SOUTH ELEVATION

BUILDING 1 - ELEVATIONS

LOCKPORT FIRE PROTECTION DISTRICT
Job No. 23-3640.02

Published 08/05/2024

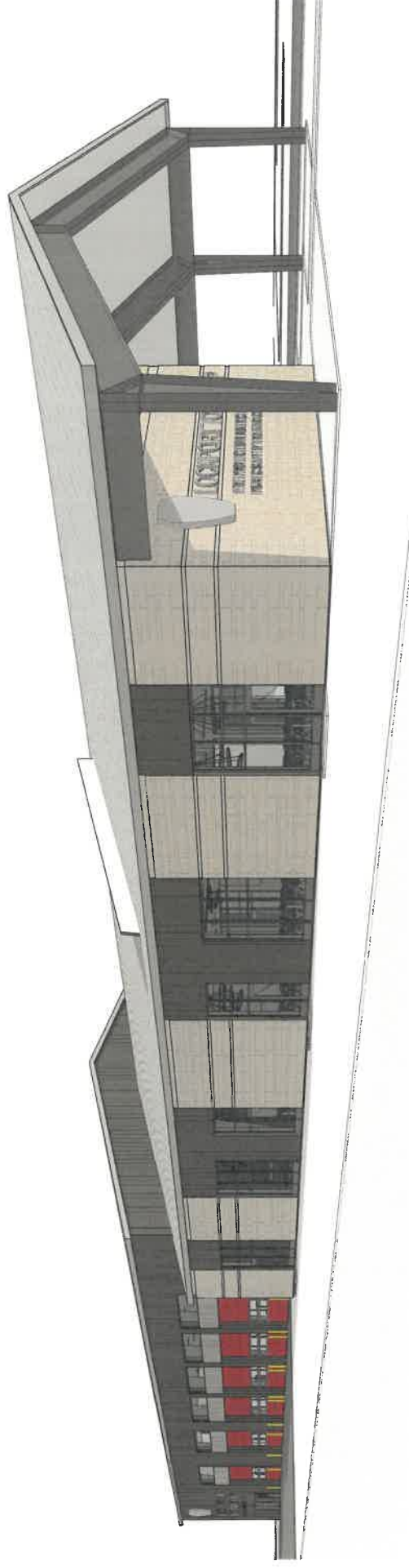
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EXHIBIT 'F'
PG. 3



VIEW LOOKING SOUTH EAST

PERSPECTIVE

LOCKPORT FIRE PROTECTION
DISTRICT
Job No. 23-3640.02

Published 07/25/24

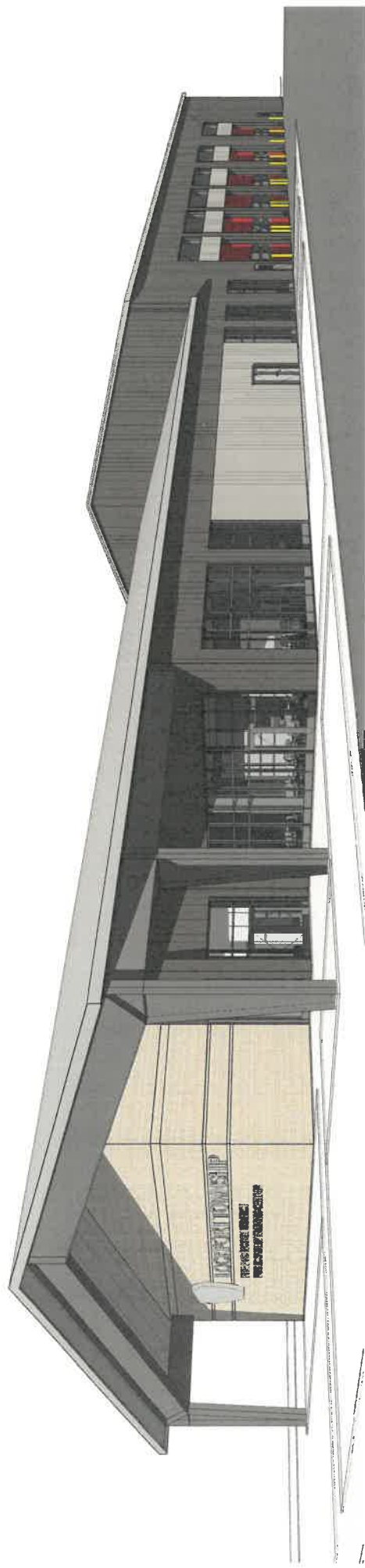
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EXHIBIT 'F'
PG. 4



VIEW LOOKING NORTH EAST

PERSPECTIVE

LOCKPORT FIRE PROTECTION
DISTRICT
Job No. 23-3640.02

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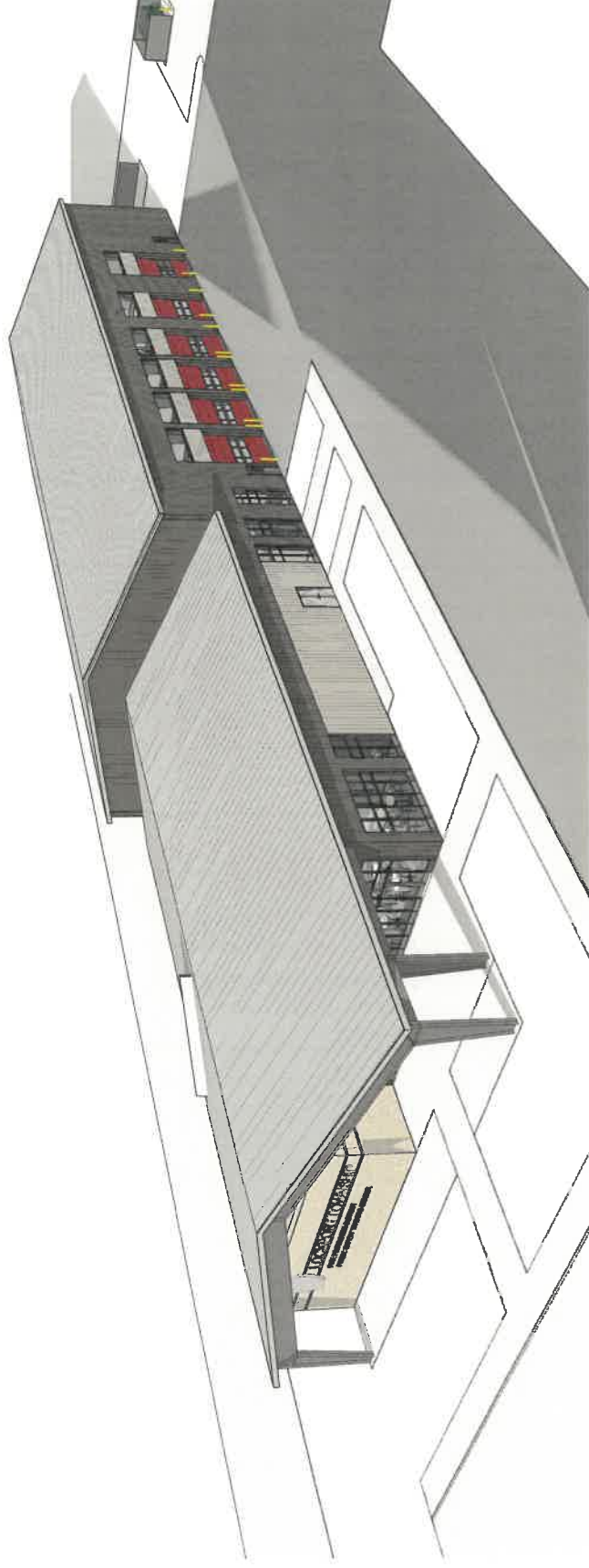
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EXHIBIT 'F'
PG. 5



VIEW LOOKING NORTH EAST

AERIAL IMAGE

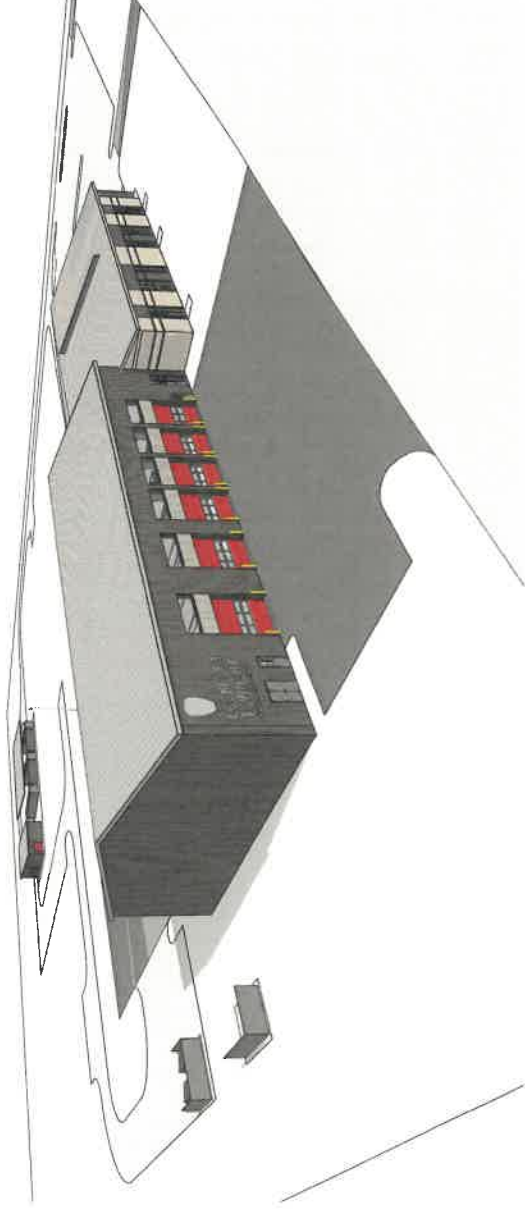
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EXHIBIT 'F'
PG. 8



VIEW LOOKING SOUTH WEST

AERIAL IMAGE

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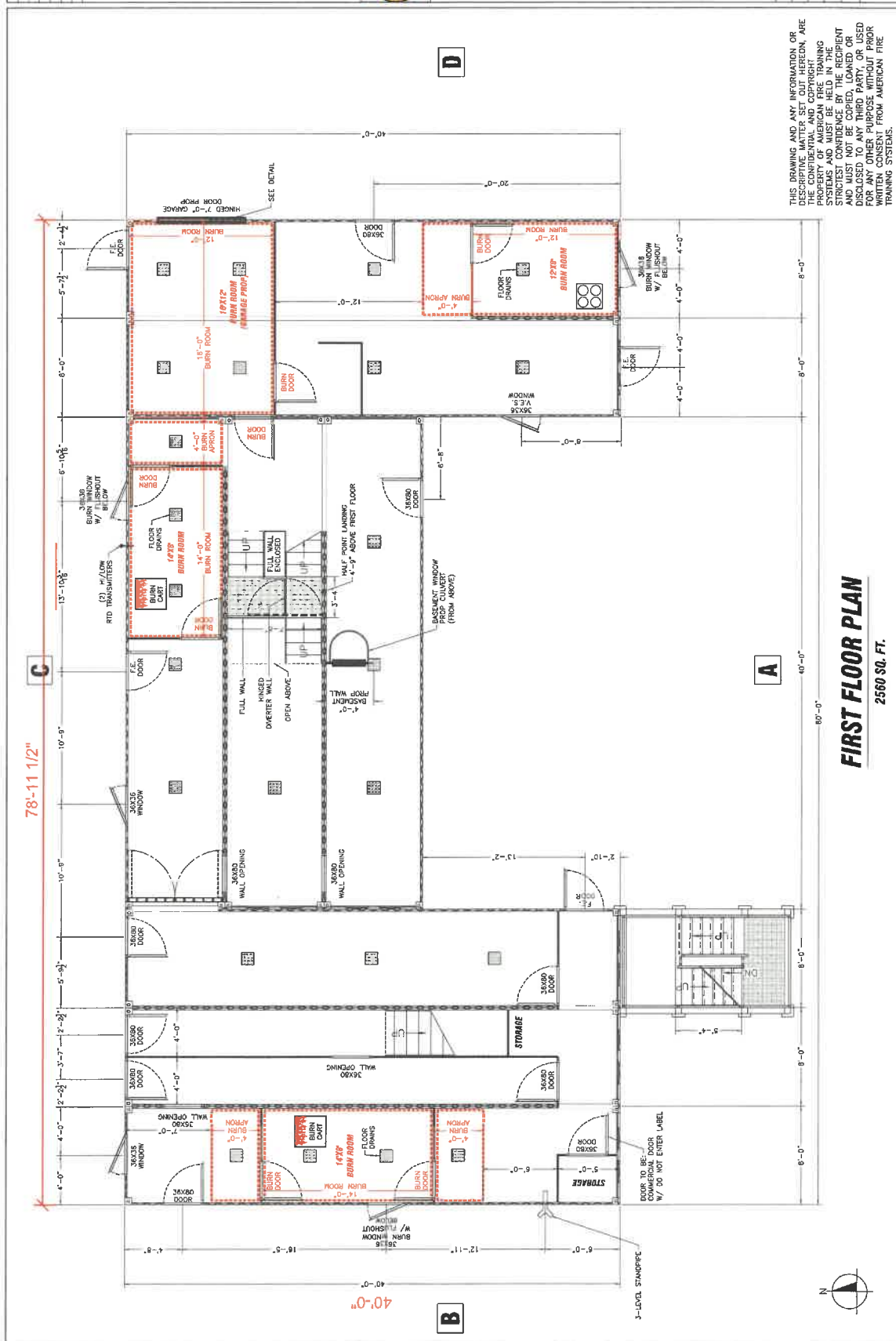
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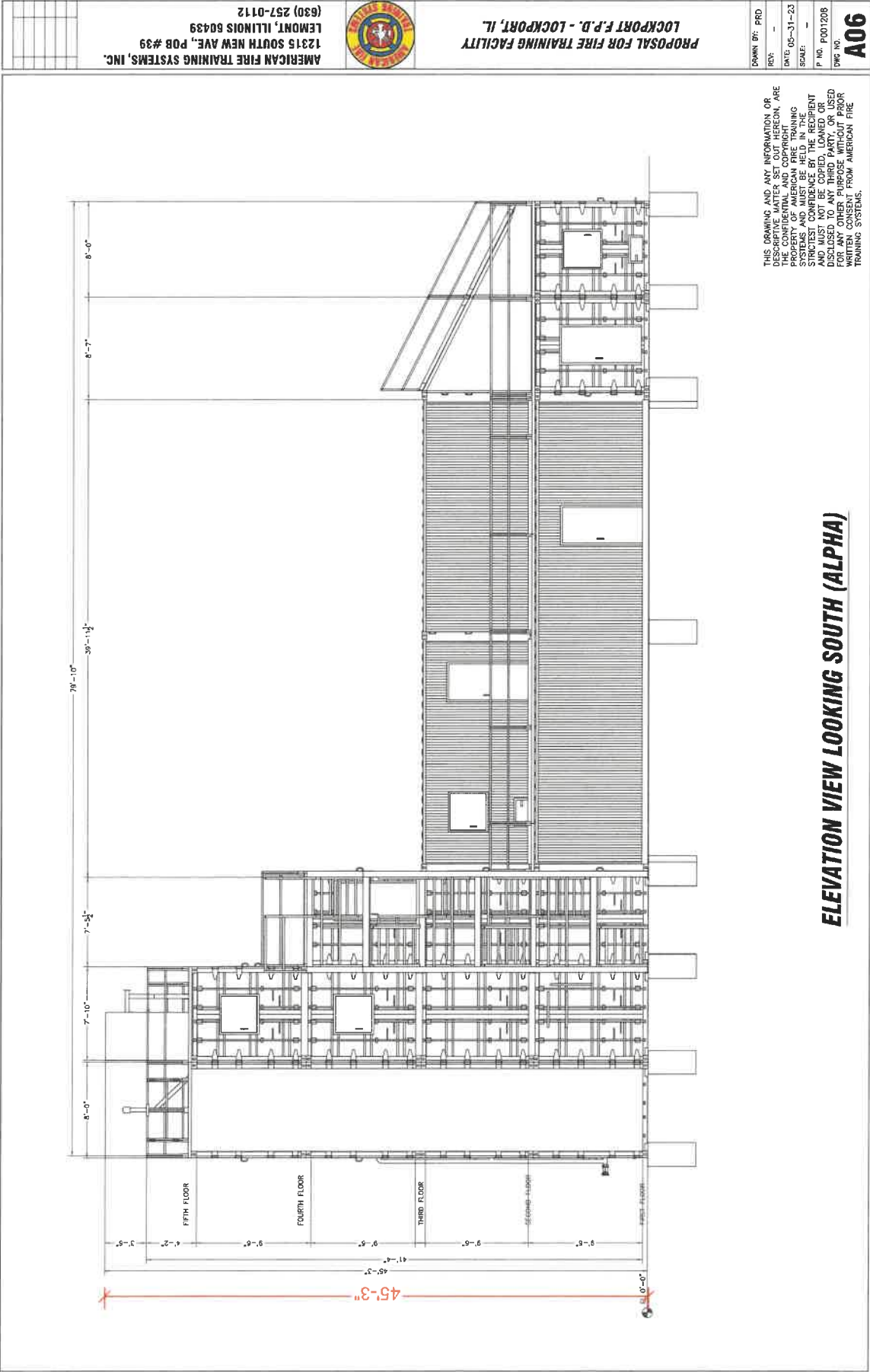
AMERICAN FIRE TRAINING SYSTEMS, INC.
12315 SOUTH NEW AVE., POB #39
ELEMONT, ILLINOIS 60439
(630) 257-0112

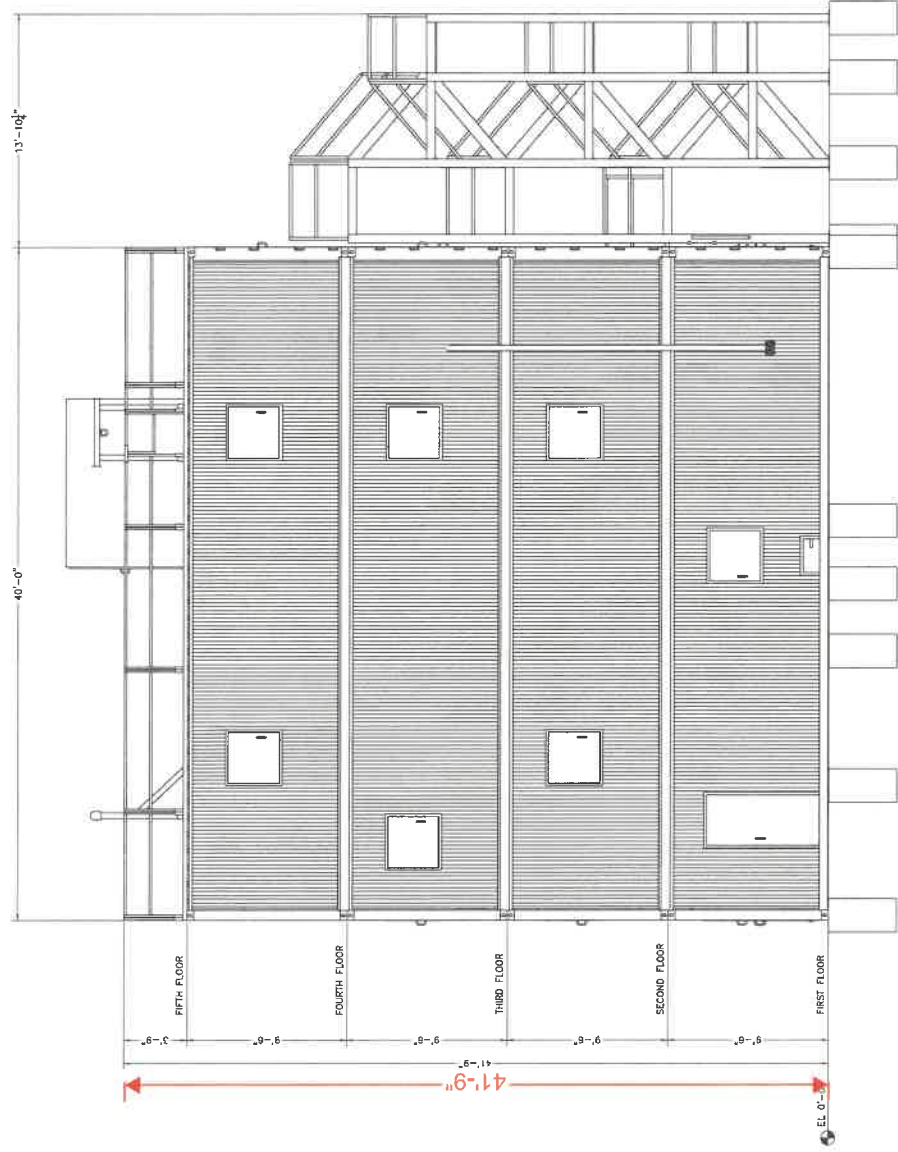


**PROPOSAL FOR FIRE TRAINING FACILITY
LOCKPORT F.P.D. - LOCKPORT, IL**

2560 SQ. FT.







ELEVATION VIEW LOOKING WEST (BRAVO)

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ELEVATION VIEW LOOKING NORTH (CHARLIE)

DWG NO.

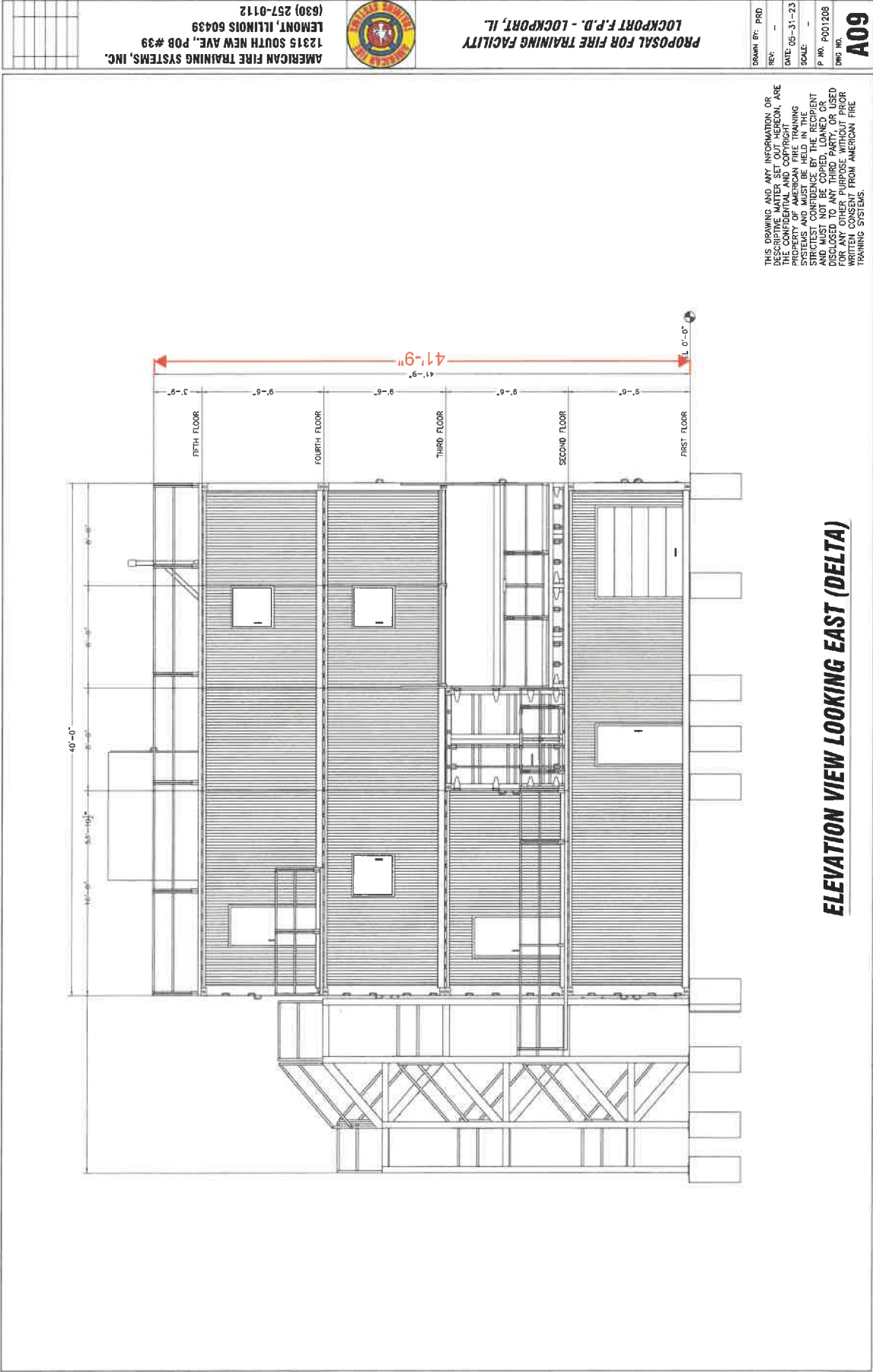


DATE: 05-11-03

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AMERICAN FIRE TRAINING SYSTEMS, INC.
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Richard Harang
Chief of Police

LOCKPORT POLICE DEPARTMENT

1212 S. Farrell Road
Lockport, IL 60441
(815) 838-2132
Fax: (815) 838-9233
www.lockportpolice.info

August 1, 2024

Chief John O'Connor
Lockport Township Fire Protection District
19623 Renwick Rd.
Lockport, IL 60441

Chief O'Connor,

On July 9, 2024, the Lockport Police Department firearms training staff conducting noise level testing at the Illinois Department of Corrections firing range, located on Caton Farm Rd., to determine the impact that the placement of noise dampening berms would have on the decibel levels generated by gunshots. All the testing was conducted using a decibel meter located 25 yards from the firearm at the time of the shot.

These tests resulted in the following data:

- With no berm in place and behind the shooter, the average decibel level recorded was 88 dB.
- When recorded behind a 12 ft berm and behind the shooter, the average decibel level recorded was 62 dB.
- When recorded behind a 12 ft berm and in front of the shooter, the average decibel level recorded was 72 dB.

The first two tests were to determine the sound impact of adding a fourth berm to the proposed range project. By installing a berm behind the firing line, the testing showed that we can expect a 18% reduction in the sound level produced. For comparison, 62 dB is the equivalent of a normal conversation being conducted by two people three feet apart (See the attached Decibel Level Comparison Chart from Yale University <https://ehs.yale.edu/sites/default/files/files/decibel-level-chart.pdf>). Additionally, this reading was taken at 25 yards; the noise level will continue to drop as the distance between the gunshot and the person hearing it increases.

The final test was to determine the noise level being generated by the existing Illinois Department of Corrections and Illinois State Police Ranges. This test showed that by orienting the range so that the firing line faces away from residences, there would be a 20% decrease in the level of noise being generated by the use of the range.



Richard Harang
Chief of Police

LOCKPORT POLICE DEPARTMENT

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If you have any questions regarding this testing or the test results, please do not hesitate to reach out.

Sincerely,

A handwritten signature in black ink, appearing to read "Ron Huff".

Ron Huff
Deputy Chief of Police

Decibel Level Comparison Chart

Environmental Noise	<i>dBA</i>
Jet engine at 100'	140
Pain Begins	<i>125</i>
Pneumatic chipper at ear	120
Chain saw at 3'	110
Power mower	107
Subway train at 200'	95
Walkman on 5/10	94
<i>Level at which sustained exposure may result in hearing loss</i>	<i>80-90</i>
City Traffic	85
Telephone dial tone	80
Chamber music, in a small auditorium	75-85
Vacuum cleaner	75
Normal conversation	60-70
Business Office	60-65
Household refrigerator	55
Suburban area at night	40
Whisper	25
Quiet natural area with no wind	20
Threshold of hearing	0

Note: dBA = Decibels, A weighted