

PROJECT DIRECTORY:

CLIENT:
MASJID AS-SAFAT
25 OXFORD STREET, TRENTON, NEW JERSEY
Tel : WWW.MASJIDASSAFFAT.ORG

SITE ENGINEER:
AWZ ENGINEERING, INC.
ADNAN KHAN, P.E., C.M.E., PROFESSIONAL ENGINEER
150 RIVER ROAD, SUITE B3, MONTVILLE, NJ 07045
Tel 973 588 7080 /Fax 973 588 7079 - E-Mail: info@awzengineering.com

ARCHITECT:
AMRARCH DESIGN STUDIO
ASHRAF M. RAGAB, AIA . ARCHITECT
2 DIVISION STREET, SOMERVILLE, NJ 08876
Tel 908 598 0067 /Fax 908 598 0068 - E-Mail: amrarchdesignstudio1@gmail.com



APPLICABLE CODES:

INTERNATIONAL BUILDING CODE 2021- NEW JERSEY EDITION
UNIFORM CONSTRUCTION CODE
NATIONAL ELECTRICAL CODE 2020
NATIONAL STANDARD PLUMBING CODE 2021
ENERGY SUBCODE: ASHRAE 90.1 - 2022
INTERNATIONAL MECHANICAL CODE 2021
INTERNATIONAL FUEL GAS CODE 2021
BARRIER FREE SUBCODE: ICC/ANSI A117.1 - 2021

CODE REVIEW:

- EXISTING & PROPOSED USE GROUP: MIXED USE: A-3 "HOUSE OF WORSHIP"
E "ISLAMIC SCHOOL."

- EXISTING & PROPOSED CONSTRUCTION TYPE: 2B

- GROSS AREA OF PROPOSED BUILDING:

	EXISTING	
BASEMENT :	2,236 SQ. FT.	USE GROUP "S-2"
FIRST FLOOR :	2,260 SQ. FT.	USE GROUP "A-3"
SECOND FLOOR :	2,144 SQ. FT.	USE GROUP "E"
THIRD FLOOR :	N.A.	N.A.
TOTAL :	6,640 SQ. FT.	

- TOTAL VOLUME OF PROPOSED BUILDING: 94,920 CU. FT.

- NUMBER OF PROPOSED EGRESS POINTS: 3 EXITS

- BUILDING SHALL BE FULLY EQUIPPED WITH SPRINKLER SYSTEM IN ACCORDANCE WITH N.F.P.A. 13

- MAX. ALLOWABLE TOTAL OCCUPANCY: 711 OCCUPANTS

- PROPOSED TOTAL OCCUPANCY: 439 OCCUPANTS

- TOTAL REQUIRED PARKING STALLS: 79 STALLS

PROPOSED SCOPE OF WORK:

- PROPOSED 3-STORY ADDITION TO EXISTING HOUSE OF WORSHIP.
- NEW PLUMBING FIXTURES & LINES
- NEW LIGHT & ELECTRICAL FIXTURES
- NEW HVAC SYSTEM
- NEW SPRINKLER SYSTEM
- ENTIRE BUILDING TO BE FULLY SPRINKLERED.

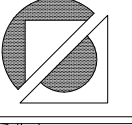
TABLE OF MAXIMUM OCCUPANCY FOR MOSQUE					
Floor	Room Name	Gross Room Area Sq. Ft.	Table 1004.1.1 Area per Occupant	Tabular Number of Occupants	Proposed Number of Occupants
Basement	Storage & Utility Spaces	1,250 sq ft	300 sq ft Gross	4	0
First Floor	Men's Prayer Hall	2,012 sq ft	10 sq ft Gross	201	140
Second Floor	Women's Prayer Hall	2,012 sq ft	10 sq ft Gross	201	140
Third Floor	Multipurpose Area	2,012 sq ft	15 sq ft Gross	134	134
	Office #1	70 sq ft	150 sq ft Gross	1	1
	Office #2	160 sq ft	150 sq ft Gross	1	1
	Kitchen	257 sq ft	200 sq ft Gross	1	2
TOTAL PROPOSED NUMBER OF OCCUPANTS					280

TABLE OF MAXIMUM OCCUPANCY FOR SCHOOL					
Floor	Room Name	Gross Room Area Sq. Ft.	Table 1004.1.1 Area per Occupant	Tabular Number of Occupants	Proposed Number of Occupants
Basement	Storage & Utility Spaces	2,594 sq ft	300 sq ft Gross	8	0
First Floor	Office #1	105 sq ft	150 sq ft Gross	1	1
	Office #2	119 sq ft	150 sq ft Gross	1	1
	Conference Room	269 sq ft	15 sq ft Gross	17	16
	Administration	224 sq ft	150 sq ft Gross	1	1
Second Floor	Reception	62 sq ft	150 sq ft Gross	1	1
	Lab Room	332 sq ft	20 sq ft Gross	16	16
	Classroom #1	169 sq ft	20 sq ft Gross	8	8
	Classroom #2	130 sq ft	20 sq ft Gross	6	6
	Classroom #3	205 sq ft	20 sq ft Gross	10	10
	Classroom #4	163 sq ft	20 sq ft Gross	8	8
	Classroom #5	160 sq ft	20 sq ft Gross	8	8
Third Floor	Classroom #6	160 sq ft	20 sq ft Gross	8	8
	Classroom #7	240 sq ft	20 sq ft Gross	12	12
	Classroom #8	211 sq ft	20 sq ft Gross	10	10
	Classroom #9	161 sq ft	20 sq ft Gross	8	8
	Classroom #10	210 sq ft	20 sq ft Gross	10	10
	Classroom #11	166 sq ft	20 sq ft Gross	8	8
	Classroom #12	162 sq ft	20 sq ft Gross	8	8
	Classroom #13	197 sq ft	20 sq ft Gross	9	9
	Hifz Classroom	219 sq ft	20 sq ft Gross	10	10
TOTAL PROPOSED No. OF OCCUPANTS					159

PROPOSED NUMBER OF TEACHERS & EMPLOYEES: 14+4 = 18

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LEGEND

EXISTING WALL TO REMAIN

NEW WALL

EXISTING WALL TO BE REMOVED

LINES ABOVE

LINES BELOW

ELECTRICAL SYMBOL LIST

\$

SINGLE WALL SWITCH (36" A.F.F TYP.)

100 CFM VENT ON SWITCH

RECESSED LIGHT FIXTURE

J-BOX CEILING LIGHT FIXTURE (BY OWNER).

DUPLEX OUTLET 15A / 110V.

G.F.I

W.P.

GROUND FAULT CIRCUIT INTERRUPTER OUTLET

EXIT SIGN

EMERGENCY LIGHT

HOT-WIRED BATTERY BACK-UP SMOKE & CARBON MONOXIDE DETECTOR IN ACCORD.W/NFPA-720

2'-0"x2'-0" HVAC SUPPLY REGISTER

2'-0"x2'-0" HVAC RETURN REGISTER

2'-0"x2'-0" FLUORESCENT LIGHT FIXTURE

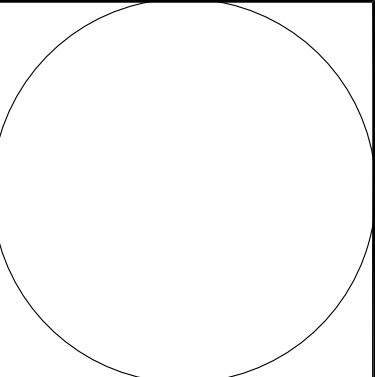
100 CFM VENT FANS CONNECTEC TO 4"O VENT PIPE TO OUTSIDE

LED LINEAR LIGHTING

REV.	DATE	ISSUE	REMARK
	02/03/2024		Client Review
	10/03/2024		Zoning Review
	11/12/2024		Zoning Review

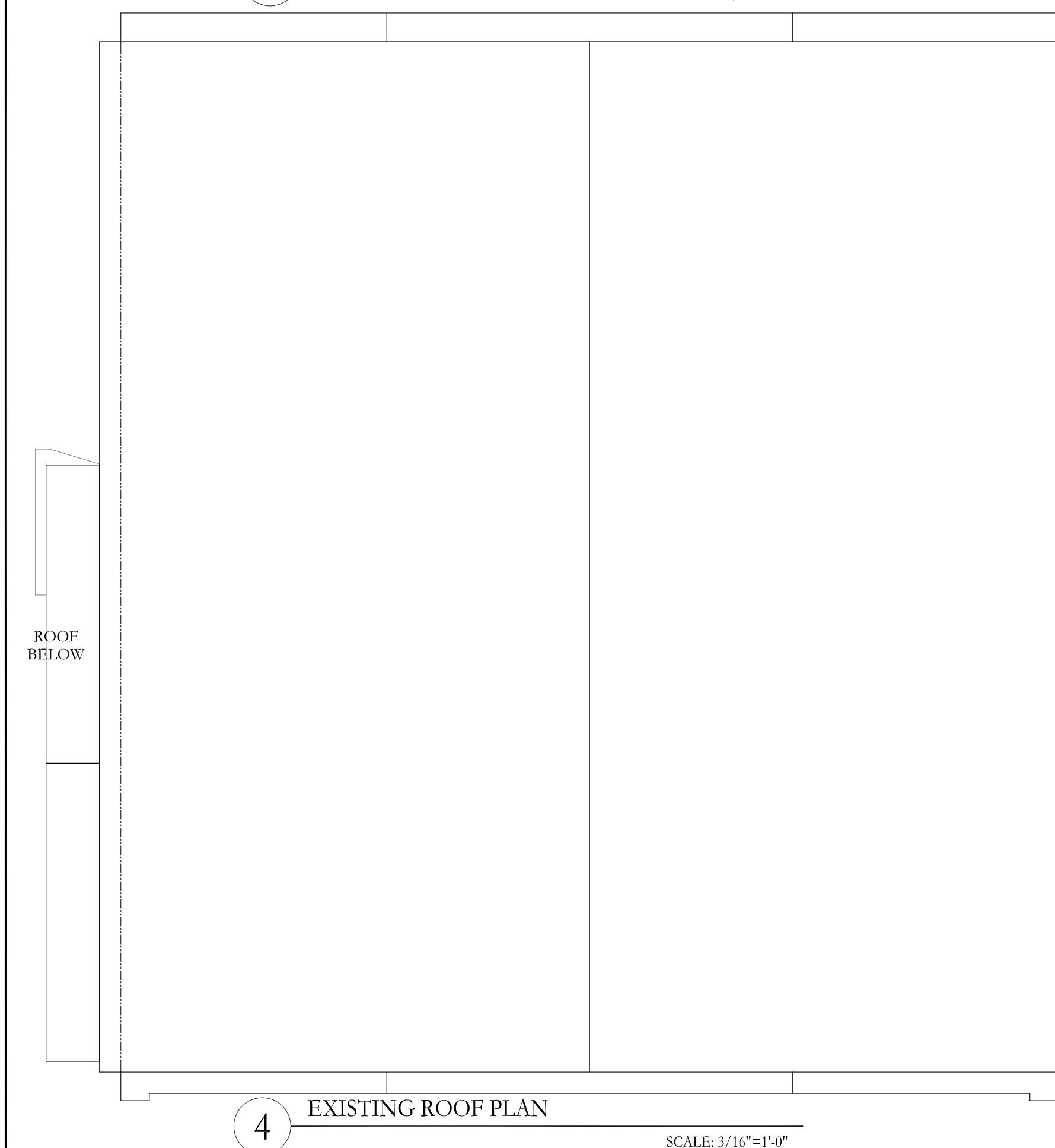
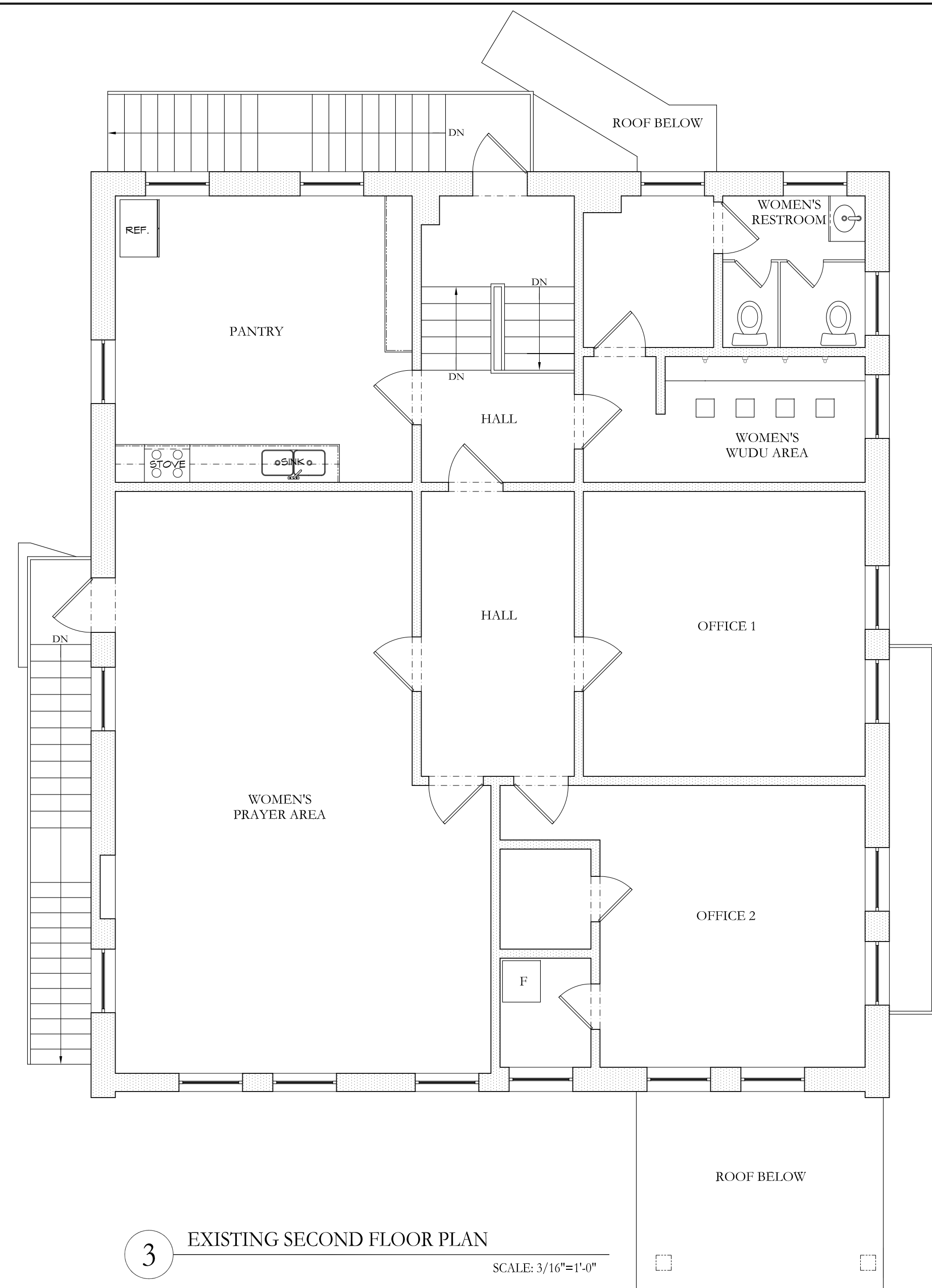
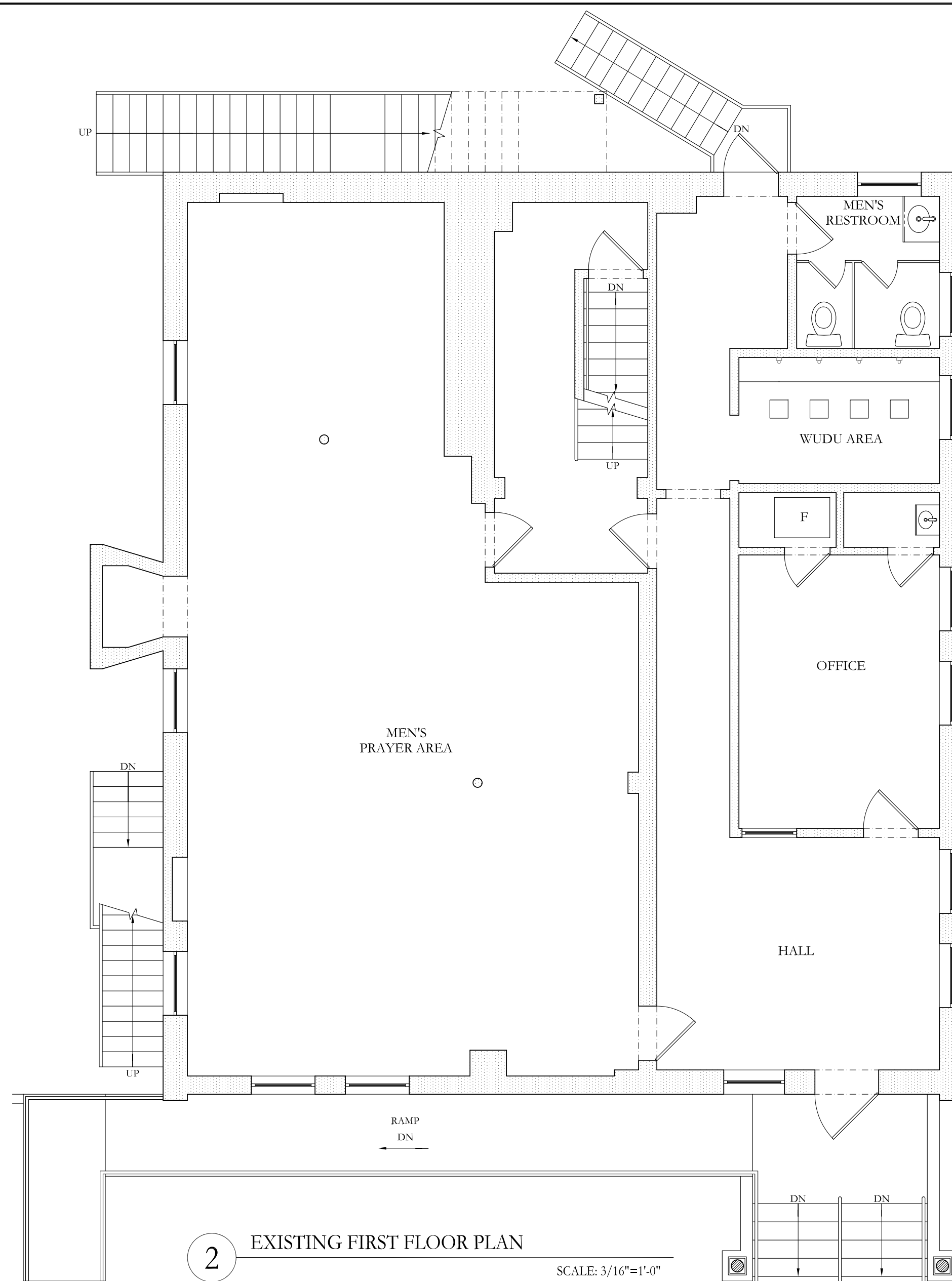
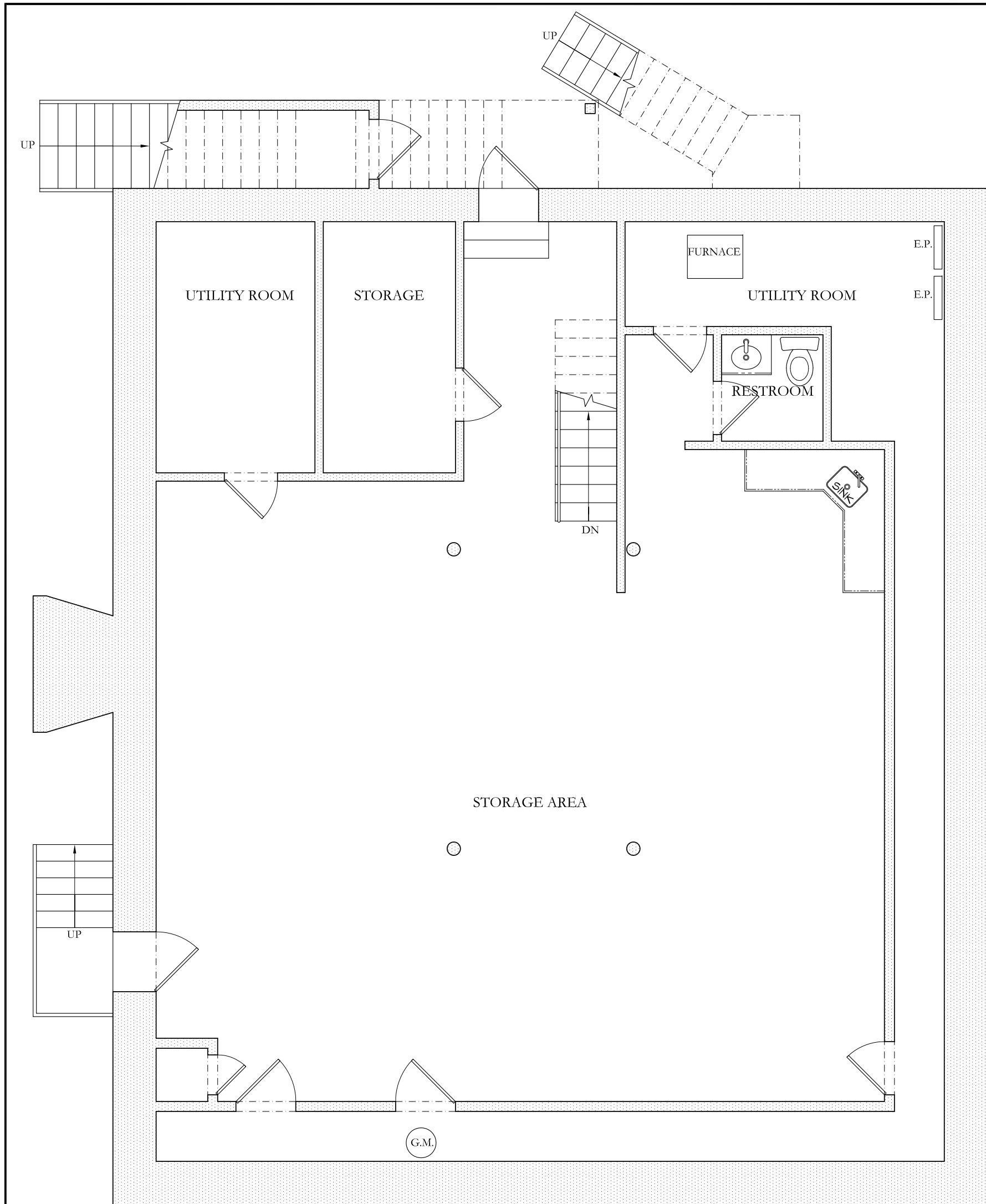
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SHEET TITLE:
PROJECT INFORMATION

SHEET NUMBER:
A-01



5 IMAGES OF EXISTING CONDITIONS

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LEGEND	
EXISTING WALL TO REMAIN	
NEW WALL	
EXISTING WALL TO BE REMOVED	
LINES ABOVE	
LINES BELOW	
ELECTRICAL SYMBOL LIST	
\$	SINGLE WALL SWITCH (36" A.F.F TYP.)
	100 CFM VENT ON SWITCH
	RECESSED LIGHT FIXTURE
	J-BOX CEILING LIGHT FIXTURE (BY OWNER).
	DUPLEX OUTLET 15A / 110V.
G.F.I	GROUND FAULT CIRCUIT INTERRUPTER
W.P.	W.P.
EXIT	EXIT SIGN
	EMERGENCY LIGHT
SD	HOT-WIRED BATTERY BACK-UP SMOKE & CARBON MONOXIDE DETECTOR IN ACCORD.W/NFPA-720
CO	
	2'-0"x2'-0" HVAC SUPPLY REGISTER
	2'-0"x2'-0" HVAC RETURN REGISTER
	2'-0"x2'-0" FLUORESCENT LIGHT FIXTURE
F	100 CFM VENT FANS CONNECTEC TO 4"Ø VENT PIPE TO OUTSIDE
	LED LINEAR LIGHTING

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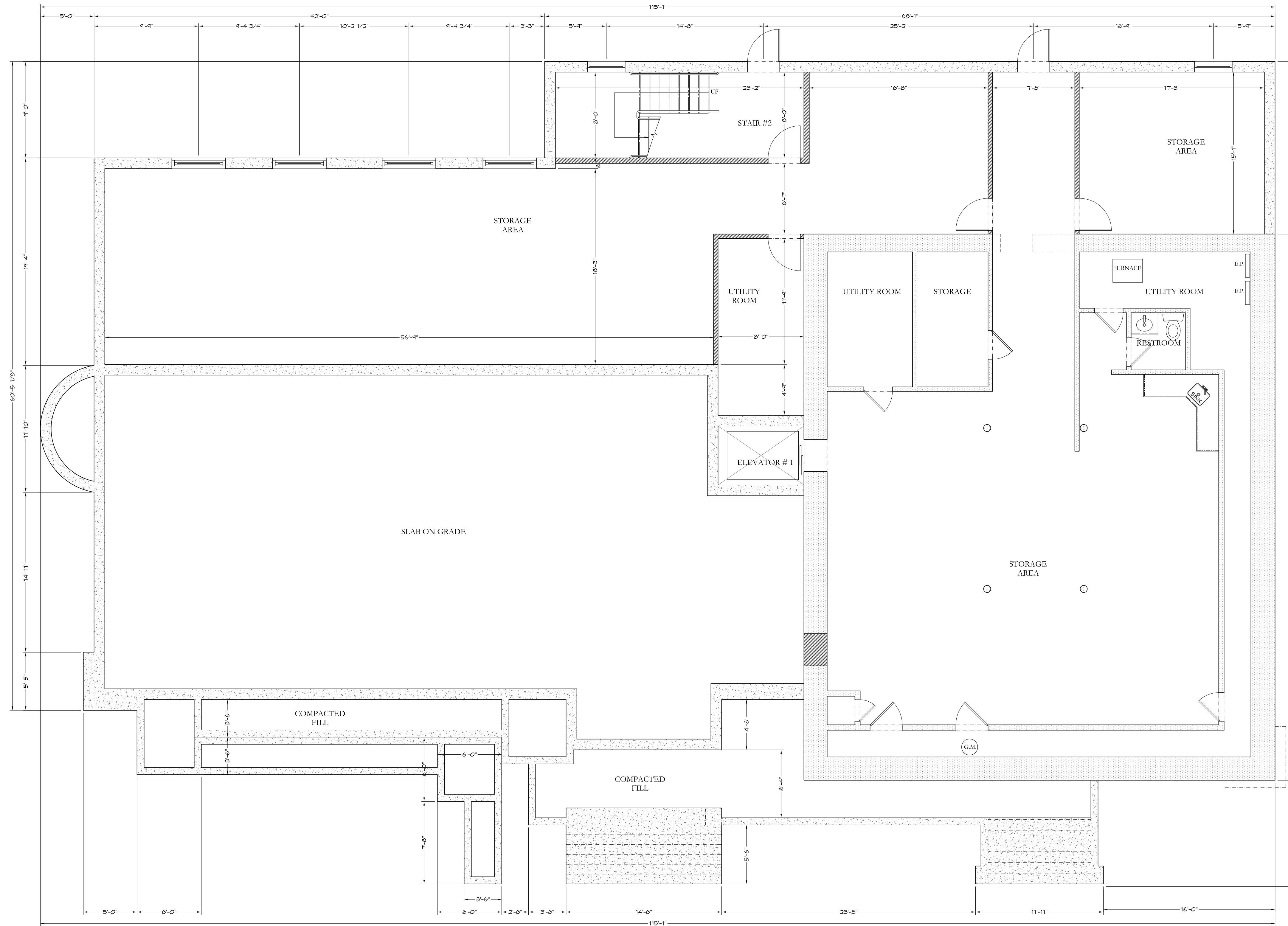
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SHEET TITLE:
EXISTING FLOOR PLANS & IMAGES OF EXISTING CONDITIONS

SHEET NUMBER:

A-02



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

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LEGEND

EXISTING WALL TO REMAIN
NEW WALL
EXISTING WALL TO BE REMOVED
LINES ABOVE
LINES BELOW

ELECTRICAL SYMBOL LIST

\$ SINGLE WALL SWITCH (36" A.F.F.TYP.)
100 CFM VENT ON SWITCH
RECESSED LIGHT FIXTURE
J-BOX CEILING LIGHT FIXTURE (BY OWNER).
DUPLX OUTLET 15A / 110V.
G.F.I
W.P. GROUND FAULT CIRCUIT INTERRUPTER OUTLET
EXIT
EXIT SIGN
EMERGENCY LIGHT
HOT-WIRED BATTERY BACK-UP SMOKE & CARBON MONOXIDE DETECTOR IN ACCORD.W/NFPA-720
2'-0"x2'-0" HVAC SUPPLY REGISTER
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SHEET TITLE:
PROPOSED BASEMENT PLAN

SHEET NUMBER:

A-03

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NEW WALL

EXISTING WALL TO BE REMOVED

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DUPLX OUTLET 15A / 110V.

G.F.I.

GROUND FAULT CIRCUIT INTERRUPTER OUTLET W.P.

EXIT

EXIT SIGN

EMERGENCY LIGHT

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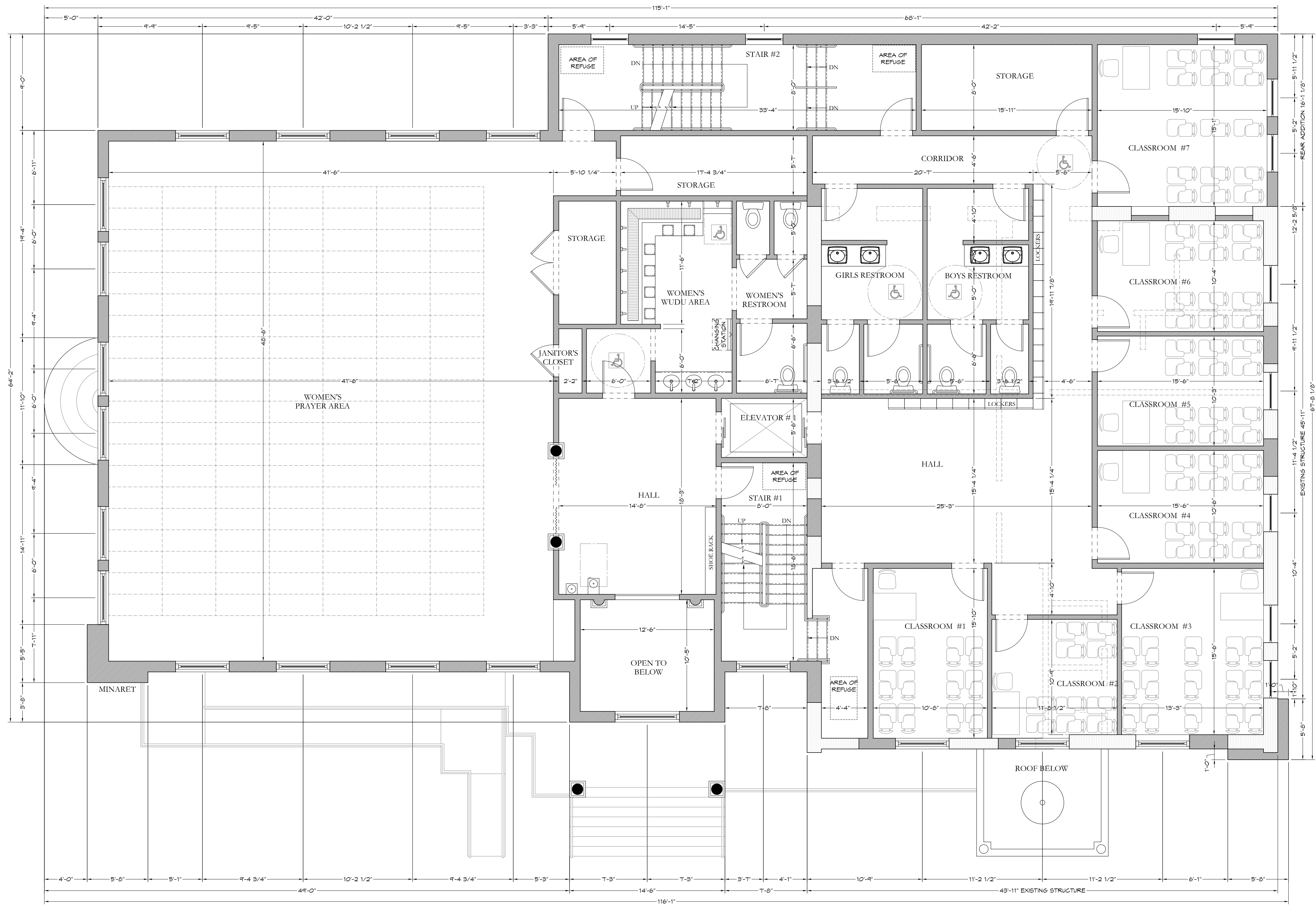
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SHEET TITLE:
PROPOSED FIRST FLOOR PLAN

SHEET NUMBER:

A-04

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



1 PROPOSED SECOND FLOOR PLAN

SCALE: 3/16"=1'-0"

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LEGEND

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LINES BELOW

ELECTRICAL SYMBOL LIST

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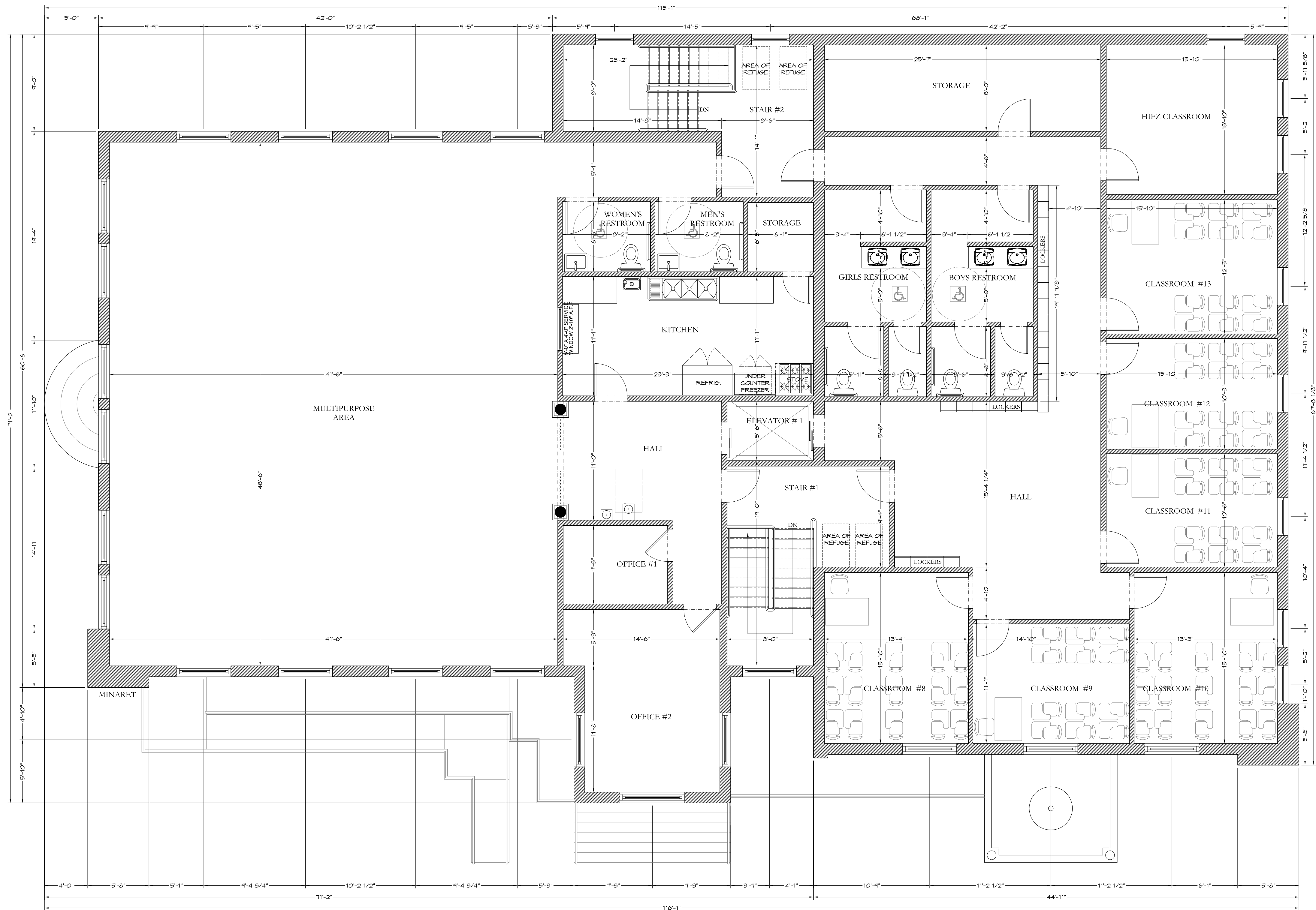
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SHEET TITLE:
PROPOSED SECOND FLOOR PLAN

SHEET NUMBER:

A-05



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

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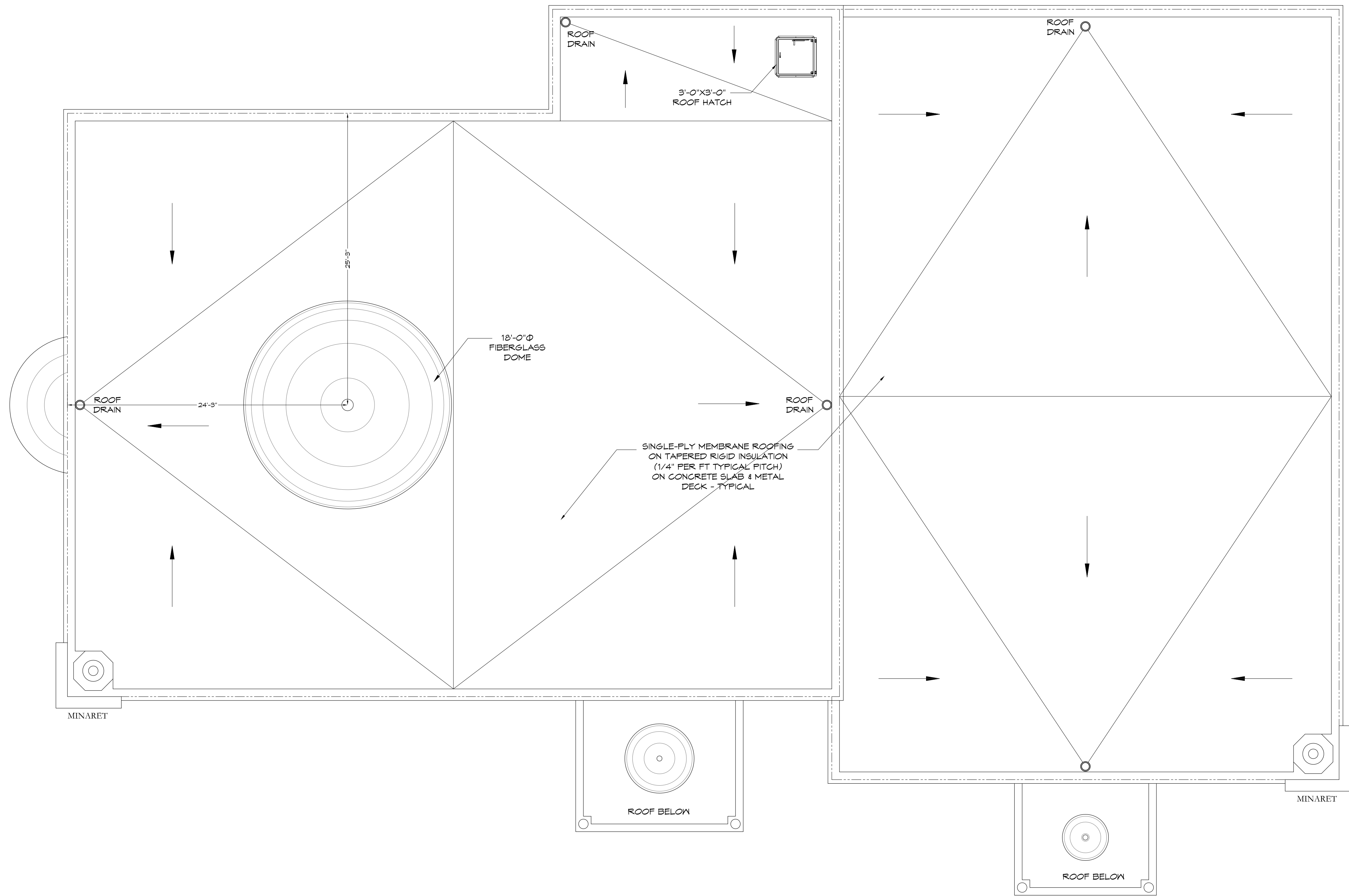
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SHEET TITLE:
PROPOSED THIRD FLOOR PLAN

SHEET NUMBER:

A-06



1 PROPOSED ROOF PLAN
SCALE: 3/16"=1'-0"

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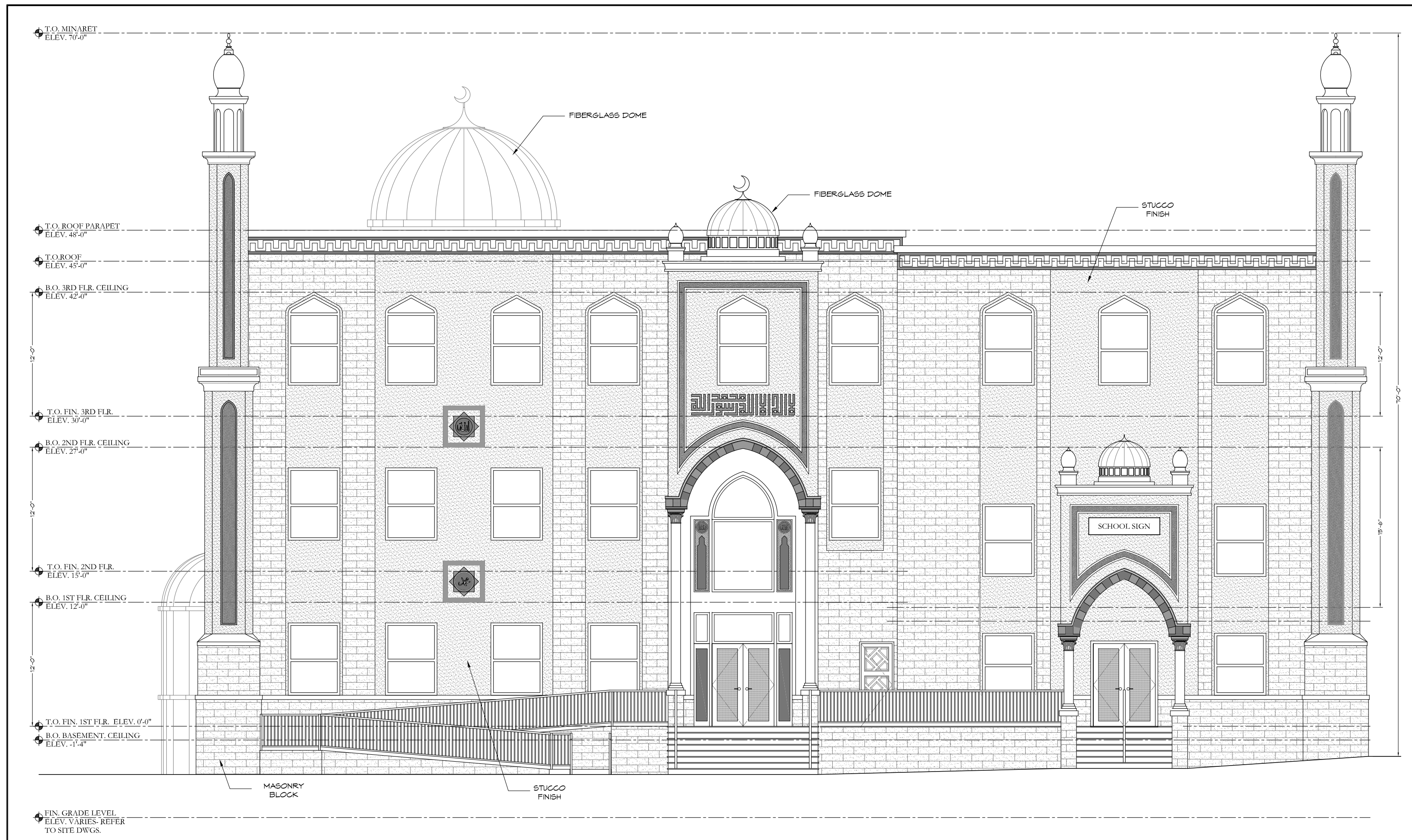
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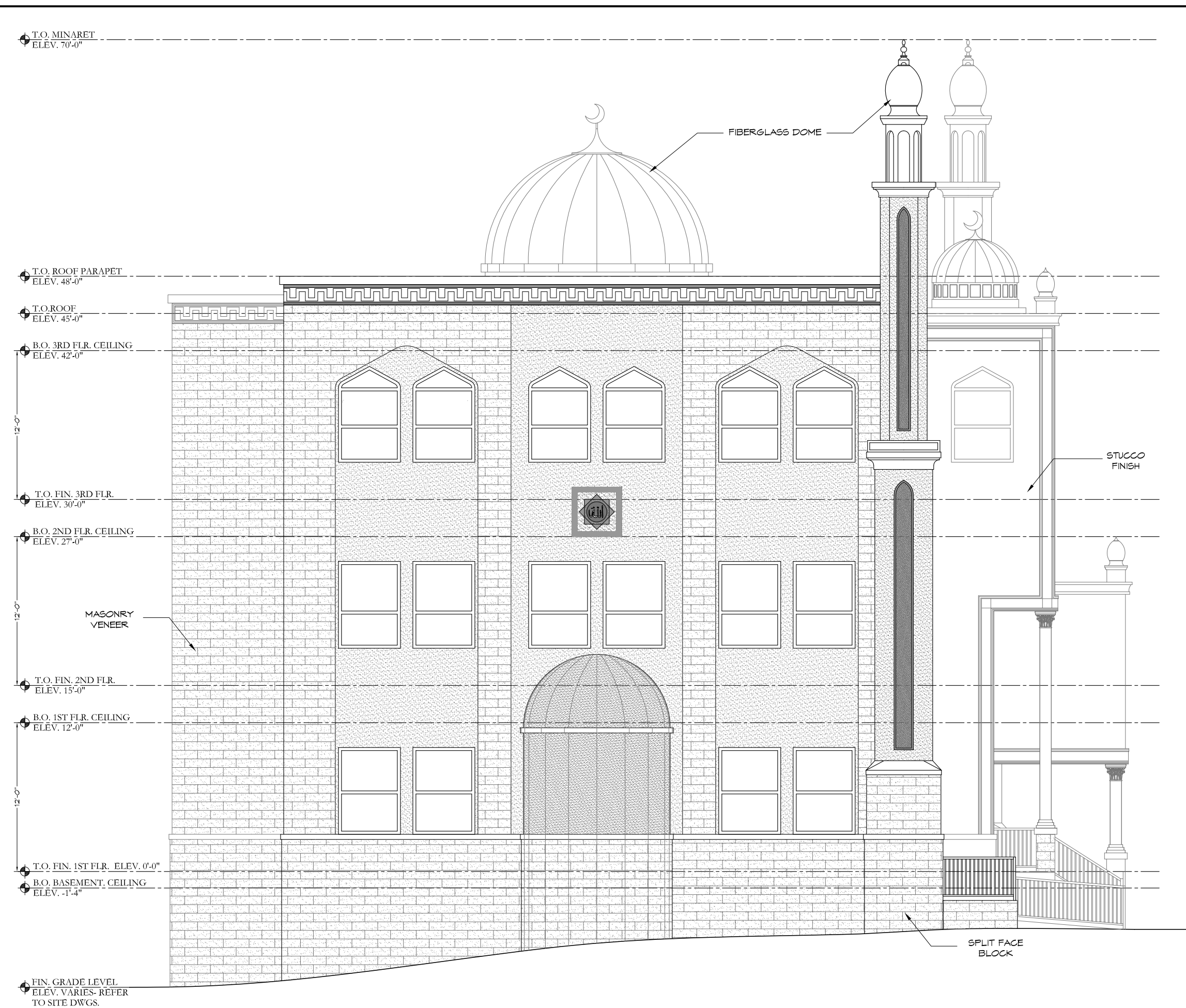
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PROPOSED ROOF PLAN

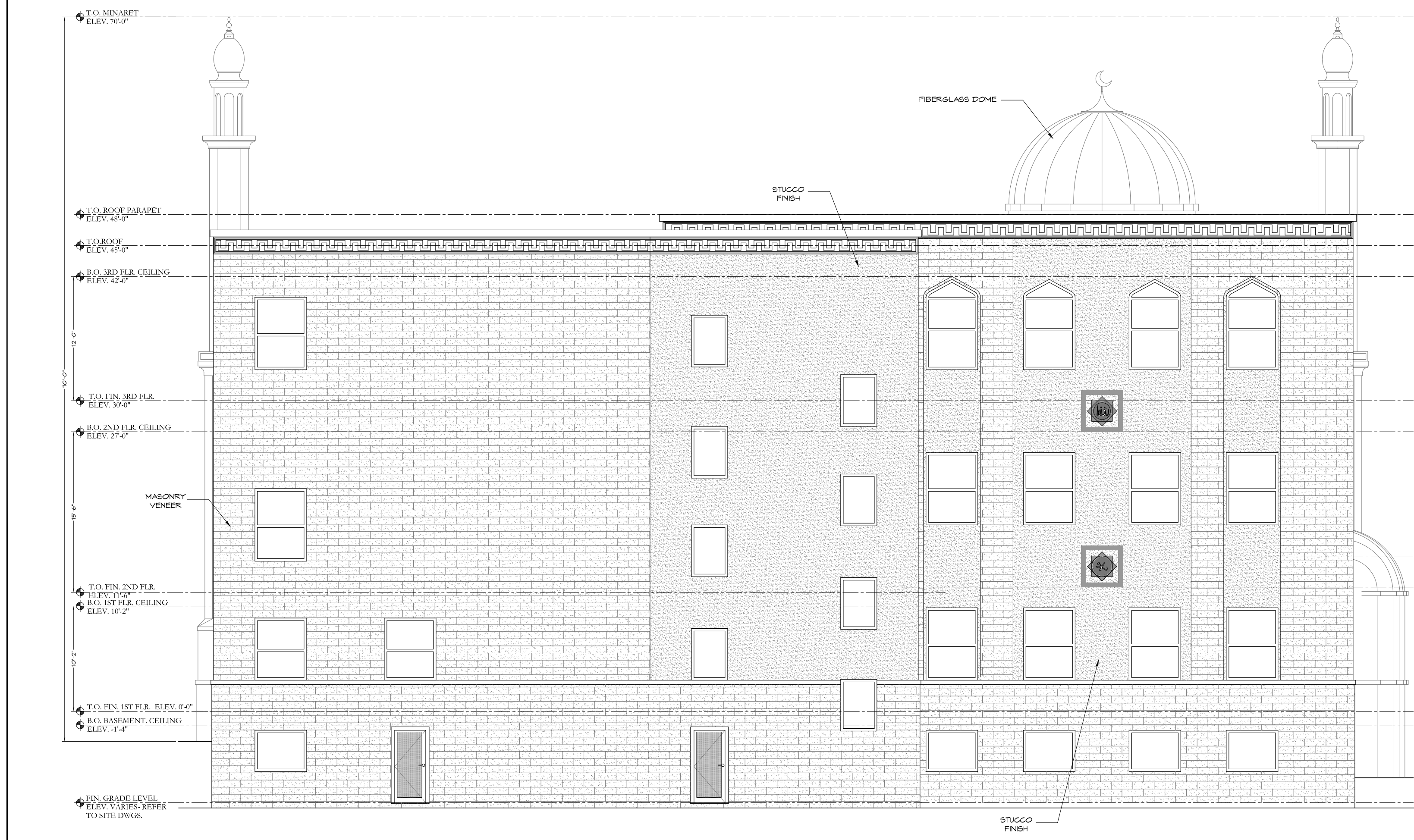
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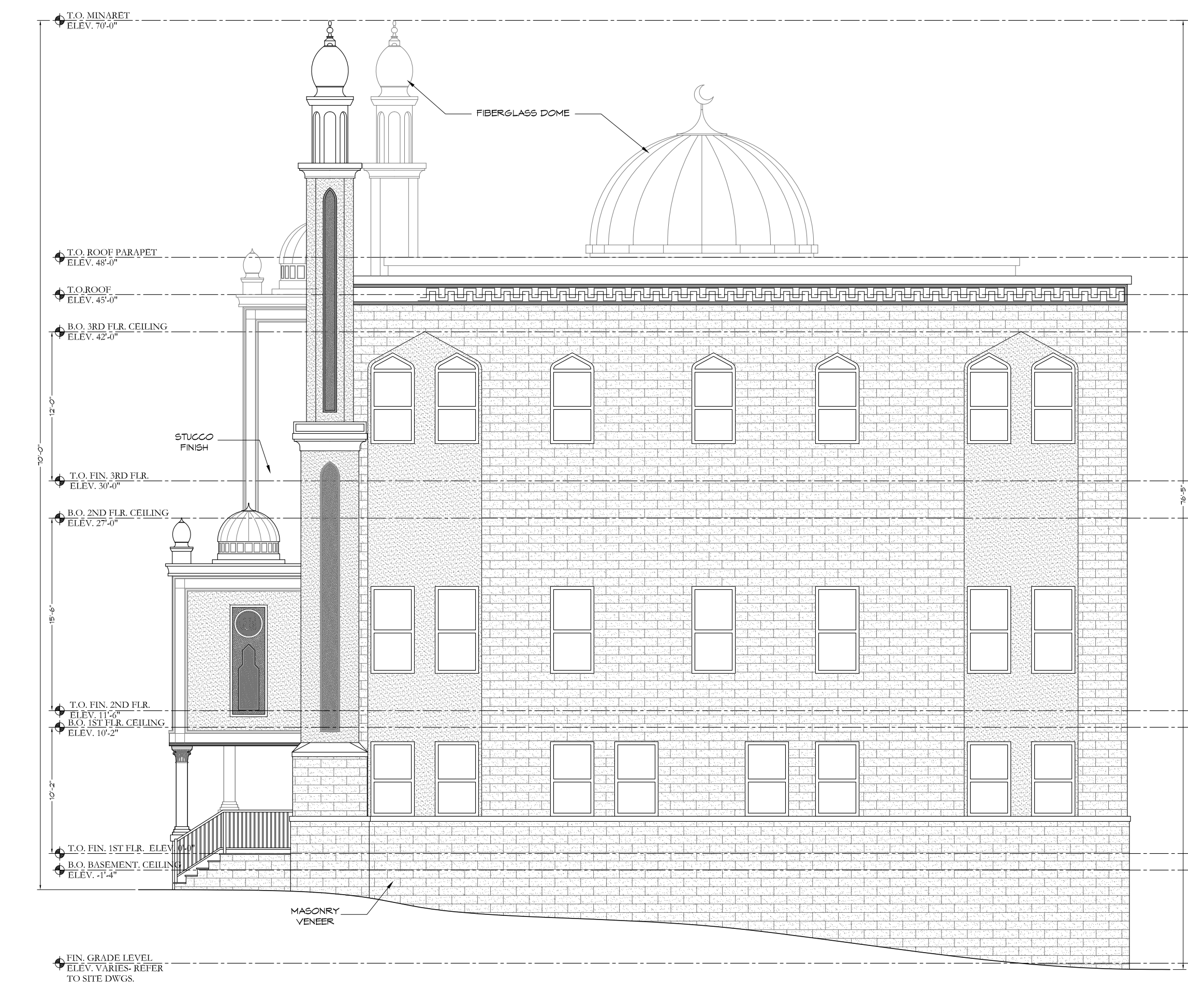
1 PROPOSED FRONT ELEVATION
SCALE: 1/8"=1'-0"



2 PROPOSED LEFT SIDE ELEVATION
SCALE: 1/8"=1'-0"



3 PROPOSED REAR ELEVATION
SCALE: 1/8"=1'-0"



4 PROPOSED RIGHT SIDE ELEVATION
SCALE: 1/8"=1'-0"

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SHEET TITLE:
PROPOSED ELEVATIONS

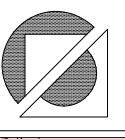
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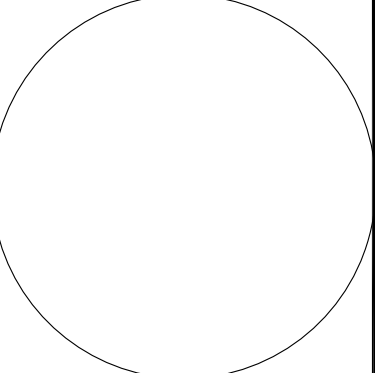
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SHEET TITLE:
PROPOSED COLORED
RENDERINGS

SHEET NUMBER:
A-09