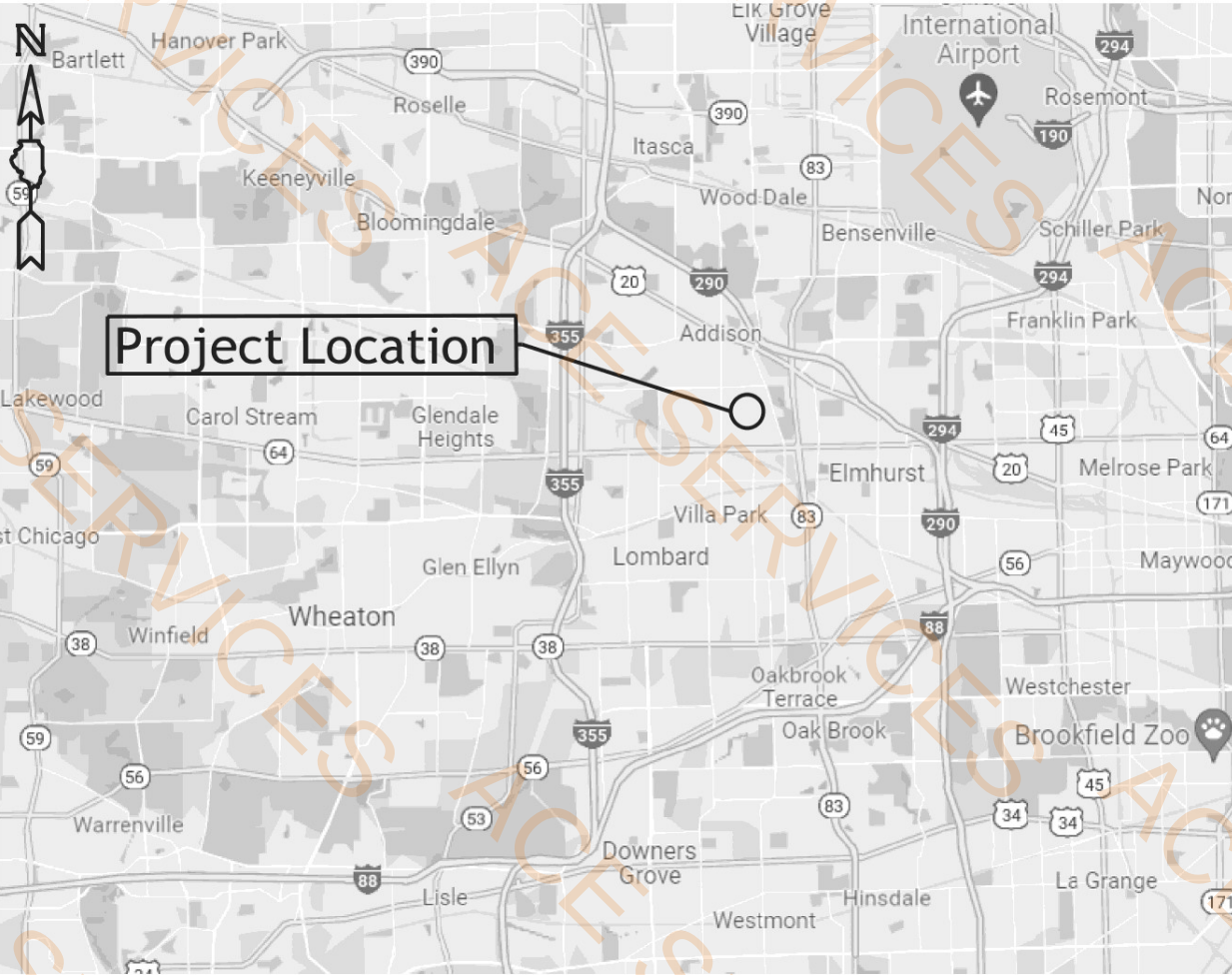


Proposed Improvement

Islamic Foundation Addition

330 W Highridge Rd., Villa Park
Illinois, DuPage County, 60181

VILLA PARK



Civil Engineer:
Val Lykholap
Fluenta Consulting
201 E. Lakeside Dr.
Vernon Hills, IL 60061
Tel: (773)-349-5881

Client:
Islamic Foundation.
330 W Highridge Rd.,
Villa Park IL 60181
Tel: (630) 941-8800

- a.) Utility data other than physical evidence visible on the ground is shown as per records obtained from private and public sources as indicated and should be assumed to be approximate.
- b.) Compare all points before building by same and at once report any difference. For building and easement lines and other restrictions not shown hereon, refer to your abstract, deed contract or zoning ordinance.

SITE BENCH MARK (BM)
Existing Top of Foundation
ELEV. = **705.57'** NAVD88

DUPAGE BENCH MARK (BM)
Benchmark # YK03001
ELEV. = **679.61'** NAVD88

By 
August 27, 2025
Illinois Professional Engineer
Certificate No. 062.067021
Expiration date: 11-30-2025

Index of sheets:

- C1 - Cover Sheet
- C2 - Existing Conditions Plan
- C3 - Proposed Conditions Plans
- C4 - General Notes
- L1 - Landscaping Plan

No.	Revision/Issue	Date
FLUENTA CONSULTING		
Firm Name and Address: Fluenta Consulting 201 E. Lakeside Dr., Vernon Hills, IL 60061 Tel: 773-349-5881		
Client Name and Address: Islamic Foundation. 330 W Highridge Rd., Villa Park IL 60181 Tel: (630) 941-8800		
Project		
Date		
Scale 1" = 20'		
Sheet		
C1		

Existing Conditions Plan



LEGEND

- 671.57 EXISTING ELEVATION
- CONSTRUCTION ENTRANCE
- TREE REMOVAL
- SILT FENCE
- CONSTRUCTION FENCE
- PAVEMENT REMOVAL
- STRUCTURE REMOVAL
- CONSTRUCTION ENTRANCE
- INLET BASKET

- Remove Cast Iron Fence 87.9 FT
- Remove Pavement 413.4 SQ FT
- Proposed Siltfence 85.3 FT
- Inlet Basket 1.0 EA



NOTES:

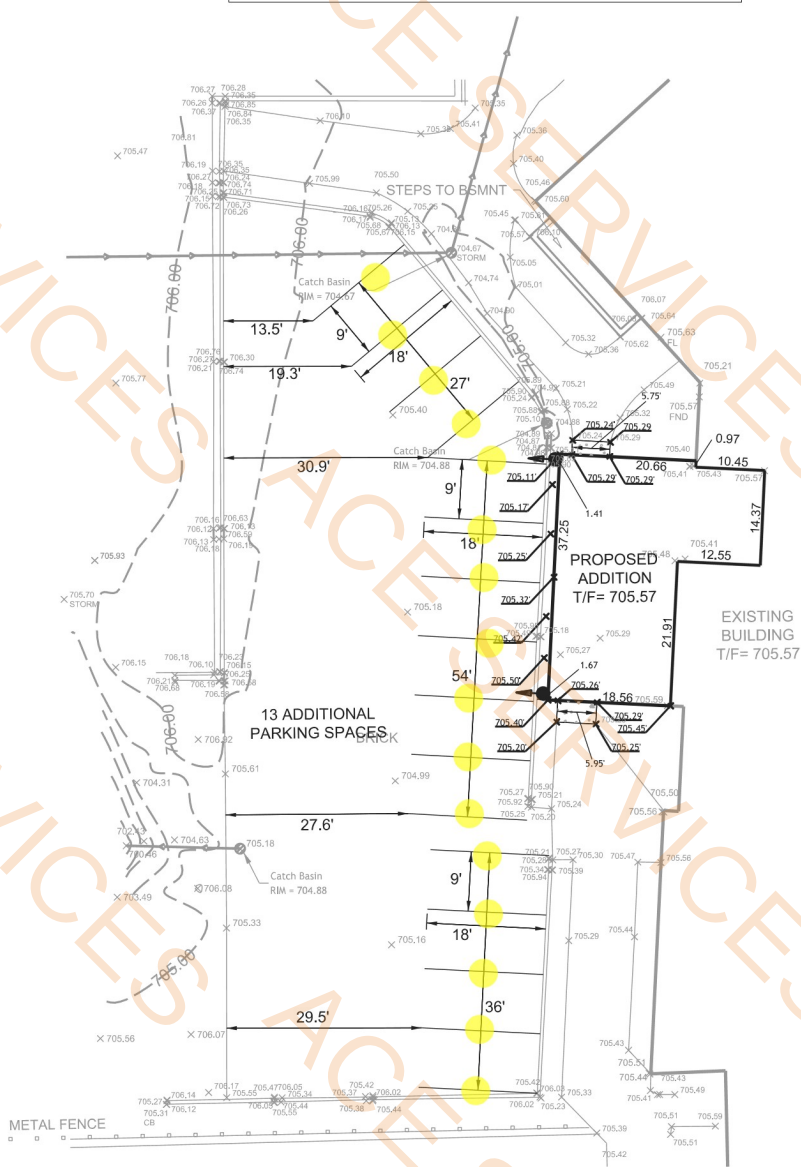
- a.) Utility data other than physical evidence visible on the ground is shown as per records obtained from private and public sources as indicated and should be assumed to be approximate.
- b.) Compare all points before building by same and at once report any difference. For building and easement lines and other restrictions not shown hereon, refer to your abstract, deed contract or zoning ordinance.

C2	Sheet	Scale 1" = 20'	Project Date	Client Name and Address:		Firm Name and Address:			No.	Revision/Issue	Date
				Islamic Foundation, 330 W Highridge Rd., Villa Park IL 60181 Tel: (630) 941-880		Fluenta Consulting 201 E. Lakeside Dr., Vernon Hills, IL 60061 Tel: 773-349-5881					

Proposed Conditions Plan

N

18'L Parking Strips 16.0 EA



- LEGEND
- 671.57 EXISTING ELEVATION
 - 609 EXISTING CONTOUR
 - 98.41 PROPOSED ELEVATION
 - 97.5 PROPOSED CONTOUR
 - POWER POLE
 - TREE
 - AIR CONDITION
 - BUSH
 - EXISTING DRAINAGE PIPE
 - FIRE HYDRANT
 - DRAIN INLET
 - STORMWATER INLET
 - EXISTING MANHOLE
 - B-BOX
 - SUMP PUMP
 - CLEANOUT
 - ELECTRIC METER
 - GAS METER
 - DOWNSPOUT
 - B/S BOTTOM OF STEPS
 - B/P BOTTOM OF PIPE
 - T/P TOP OF PIPE
 - AC AIR CONDITION
 - DRAINAGE FLOW
 - CONSTRUCTION ENTRANCE
 - TREE REMOVAL
 - SILT FENCE
 - CONSTRUCTION FENCE
 - TREE FENCE
 - PROPOSED MOUNTABLE CURB
 - PROPOSED CONCRETE
 - PROPOSED B-6.12 CURB

IMPERVIOUS AREA CALCULATIONS:

	EXISTING	PROPOSED
HOUSE AREA	0.00 SF	871.20 SF
PARKING AREA	6198.74 SF	6198.74 SF
SIDEWALK AREA	1978.28 SF	1597.49 SF
WINDOW WELL AREA	86.63 SF	86.63 SF
IMPERVIOUS TOTAL	8263.65 SF	8754.06 SF
ADDITIONAL IMPERVIOUS = 490.41 SF		

TOTAL IMPERVIOUS: 290023 SF
ADDITIONAL IMPERVIOUS PERCENTAGE:
490.41/290023.00=0.17%

AREA:
GROSS AREA = 318,264 SQ. FT. = 7.306 ACRES
AREA IN HIGH RIDGE ROAD PER DEDICATION PER DOC. # R67-4339 = 10,076 SQ. FT. = 0.231 ACRES
NET AREA = 308188 SQ. FT. = 7.075 ACRES

Building Area: Existing: 59,922.9 sq ft Proposed: 60,794.1 sq
Parking Lot: Existing: 117,229.5 sq ft Proposed: 117,229.5 sq
Sidewalks: Existing: 27,847.8 sq ft Proposed: 27,661.6 sq
Total Existing: 205,100.2 sq ft Proposed: 205,785.2 sq
Lot Coverage: Existing: 66.55 % Proposed: 66.77 %

IN-LIEU FEE CALCULATION:
0.581 CFS/AC x 490.41 SF/43560 = 0.00654 CFS
0.00654 x 43560 x 3.00 \$ = 854.78 \$

C3	Sheet	Scale 1" = 20'	Project	Date	Client Name and Address: Islamic Foundation, 330 W Highridge Rd., Villa Park IL 60181 Tel: (630) 941-880	Firm Name and Address: Fluenta Consulting 201 E. Lakeside Dr., Vernon Hills, IL 60061 Tel: 773-349-5881	FLUENTA CONSULTING	No.	Revision/Issue	Date

Landscaping Plan

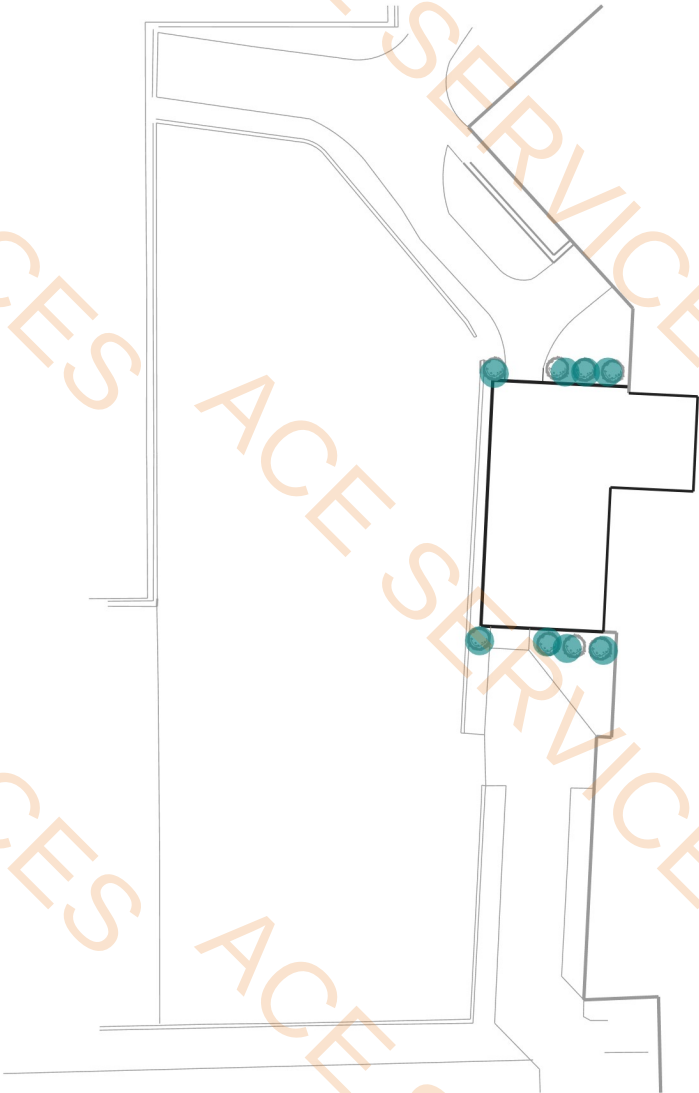
N



LEGEND

Buxus sempervirens

Buxus Sempervirens 8.0 EA



Sheet L1	Scale 1" = 20'	Project Date	Client Name and Address:		Firm Name and Address:		No.	Revision/Issue	Date
			Islamic Foundation, 330 W Highridge Rd., Villa Park IL 60181 Tel: (630) 941-880		Fluenta Consulting 201 E. Lakeside Dr., Vernon Hills, IL 60061 Tel: 773-349-5881				



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MECHANICALLY FASTENED
SINGLEPLY RUBBER ROOFING
GAF- EVERGUARD TPO
SINGLEPLY ROOFING MEMBRANE
R-30 RIGID INSULATION BOARDS
3/4" CDX PLYWOOD DECK

SUSPENDED CLG WITH
T BAR SYSTEM

5/8" DRYWALL ON 3 1/2" METAL
AND R-13
INSULATION

TYPICAL:
4"CMU+4" BRICK W/
2"-#5 VERTICAL
@ 48"O.C.-FULL HEIGHT
GROUT SOLID
MASONRY-
MINIMUM 1450psi

TYP 5" CONCRETE SLAB WITH 6X6,
10 GA W/M OVER 6MIL VAPOR BARRIER
AND MIN.4" GRAVEL OVER COMPACTED SOIL

1/2" PREMOLED
EXPANSION JOINT AND
FILLER

TYP. CONC. FDN. & FTG.
SEE DET.1,SI

CONT ALUMINUM CAP
MATCH EXISTING

STONE HEADER TO
MATCH EXISTING

CONT BOND BEAM WITH #5
WITH 3000 PSI GROUT

TYPICAL
9ga LADDER TYPE
HORIZONTAL JOINT
RE-INFORCEMENT WITH
EYE & PINTLE
VENEER ANCHORS
@ 16"O.C., VERTICALLY

#5X36" DOVELS @ 32"O.C.
W/ 2" HOOK AND 18" INTO
CONCRETE

CONT. FLASHING WITH
WEEP HOLES @ 24" O.C.

MIN 3'-6"

ROOM FINISH SCHEDULE

ROOM NAME	FLOOR	BASE COVER	WALLS	CEILING	REMARKS
VIEWING ROOM	V.T.	VYNI COVER	D.W./GL	A.C.2	
BODY WASH	C.T.	C.T. COVER	D.W.	A.C.2	FRP/C.T. ON WALLS TO 6'
WASHROOM	C.T.	C.T. COVER	D.W.	A.C.2	FRP/C.T. ON WALLS TO 6'

FINISH LEGEND:

AC1= SMOOTH PLASTIC TILES
AC2= ACUSTICAL CLG TILES
D.W.= DRY WALL-GYPSUM BBS
CT= CERAMIC TILES
QT= QUARY TILES
PTD= PAINTED
VT= VYNI- TILES
WR= WATER RESISTANT
FRP= FIBER REINFORCED PANELS
ALL VINYL TILES & BASE TO BE COMMERCIAL GRADE
MINIMUM 1/4" THICKNESS

ROOM FINISH NOTES

1. INSTALL WR TYPE DRYWALL AT ALL LOCATIONS WHERE MOISTURE MAY BE PRESENT
2. ALL DRYWALLS TO BE PAINTED. COLOR TO BE SELECTED BY OWNERS.
PAINT TO BE OIL BASE-ENAMEL ONLY
3. PROVIDE A MIN OF 4" COVING BASE AT ALL FLOOR AND WALL JUNCTURES.
ALL INTERIOR WALLS TO BE W/ METAL STUDS @ 16" O.C.,
AND 1/2" DRYWALL(WND).
4. PROVIDE A MIN. OF 6" COVING BASE AT ALL FLOOR AND WALL JUNCTURES.
5. FLAME SPREAD RATING FOR ALL INTERIOR FINISHES TO BE 16-20.

ALL COOLING/FREEZING UNITS MUST HAVE ACCURATE THERMOMETERS.

ALL TOILETS, URINALS,HAND SINKS, MOP SINKS, PREP SINKS AND
PERMANENT COUNTER/ CABINETS MUST BE SEALED TO FLOORS AND WALLS WITH A SILICONE
CAULK SEALANT.

INSTALL ANTI-SIPHON DEVICES ON ALL TOILET TANKS, URINALS, AND FAUCETS WITH HOSE CONNECTIONS.
INSTALL SOAP AND PAPER TOWEL DISPENSER AND DISPOSAL FOR ALL HAND SINKS.

IF SINKS ARE PROVIDED WITH SPRING- LOADED FAUCETS, THE FAUCETS MUST REMAIN RUNNING FOR
A MINIMUM OF 15 SECONDS.

DOOR SCHEDULE

	SIZE	MATERIAL	FRAME	HDWR	REMARKS
1	3'-0" X 7'-0"	ALUMINUM AND TEMP GLASS	ALUMINUM	2 3 5 6 7	TO MEET EXIT AND HANDICAP REQUIREMENTS.
2	PAIR 3'-0" X 7'-0"	SOLID CORE WOOD VIEW PANEL	HOLLOW METAL	2 3	TO MEET EXIT AND HANDICAP REQUIREMENTS.
3	3'-0" X 6'-8"	SOLID CORE WOOD	HOLLOW METAL	1 3	TO MEET HANDICAP REQUIREMENTS.
4	3'-0" X 6'-8"	SOLID CORE WOOD	HOLLOW METAL	1 3	TO MEET HANDICAP REQUIREMENTS.
5	PAIR 3'-0" X 7'-0"	ALUMINUM AND TEMP GLASS	ALUMINUM	2 3 5 6 7	TO MEET EXIT AND HANDICAP REQUIREMENTS.

DOOR HARDWARE NOTES

- 1 PRIVACY LATCH SET
- 2 KEYED ENTRY LOCK
- 3 PUSH & PULL
- 4 KICK PLATE
- 5 AUTOMATIC CLOSER
- 6 ALUMINUM THRESHOLD
- 7 WEATHERSTRIP-PERIMETER

ALL EGRESS DOORS SHALL BE READILY OPERABLE FROM THE INSIDE
WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE.

SWINGING DOORS SERVING ROOMS OR SPACES WITH OCCUPANT LOAD OF
50 OR MORE IN A GROUP A OCCUPANCY SHALL NOT BE PROVIDED WITH
A LATCH OR LOCK OTHER THAN PANIC HARDWARE OR FIRE EXIT HARDWARE.

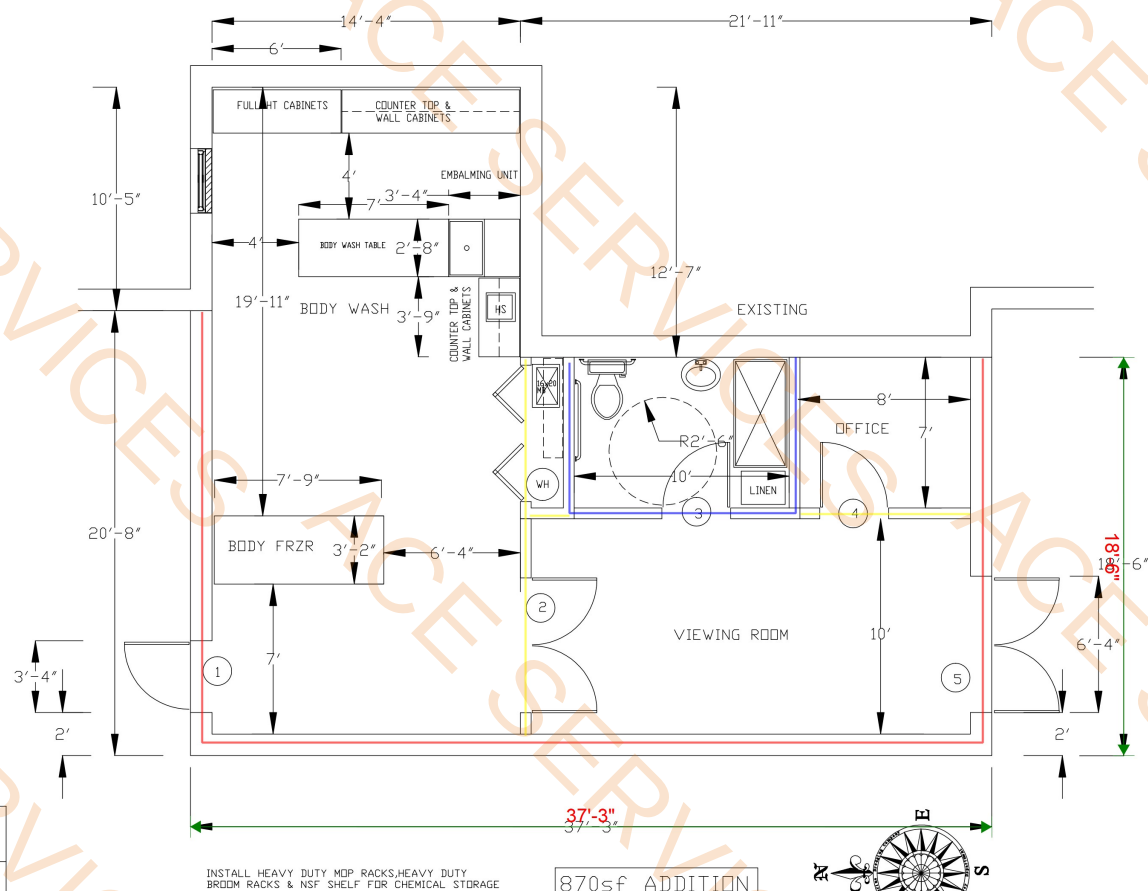
DOOR HANDLES, PULLS,LATCHES, LOCKS AND OTHER OPERATING
DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE
TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.

ALL HARDWARE TO BE COMMERCIAL TYPE, HEAVY DUTY
INSTALL ALL HARDWARE ITEMS AS REQUIRED

HINGES- ALL DOORS MIN 1-1/2" PAIR HAGER
LOCKSETS- SCHLAGE -HEAVY DUTY,COMMERCIAL
ADUTOMATIC CLOSERS-LCN 1481 ALUMINUM
FLOOR STOPS-HAGER 241,US28
ALL GLASS WITHIN 48" OF ANY DOORS TO BE SAFETY GLASS
PAINT ALL FRAMES TO MATCH DOORS.
PULL PLATES-HAGER 4X16,H33E,US28
PUSH PLATES-HAGER, 4X16,305,US28
PROVIDE POSITIVE LATCH SET
ALL H/C REQUIRED DOORS TO COMPLY WITH IAC 400.310(J)(B).

- 4" Exterior CMU Wall w/ 4" Brick Veneer & 3-1/2" Interior Stud Wall @ 12'H
- 3-5/8" Interior Metal Stud Wall @ 10'H
- 3-5/8" Interior Metal Stud Wall @ 10'H One Side Moisture Resistant

74.2 FT
27.2 FT
24.8 FT

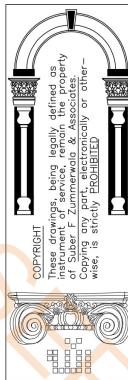


FLOOR PLAN



SCALE: 1/4"=1'

1 TYP DETAIL SECTION NTS



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333 W. Irving Park Road, Suite 7 202
R O S C I L L E - I L L I N O I S
DESIGN FIRM LIC. NO. 184-004460

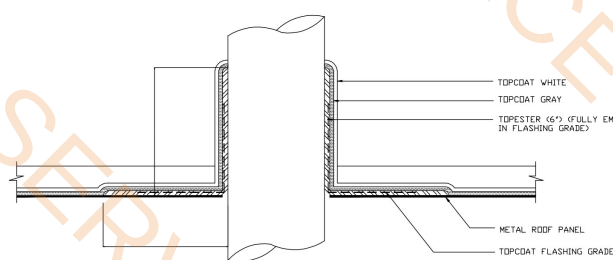
ROOM ADDITION
ISLAMIC FOUNDATION
300 W. HIGH RIDGE ROAD
VILLA PARK, ILLINOIS 60181

NO.	REVISION	DATE

DRAWN BY: MK
CHECKED BY: SZ
PROJECT NO.: 25338
DATE: 03/01/25

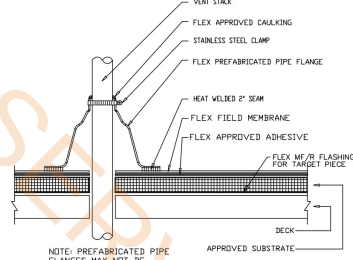
A2

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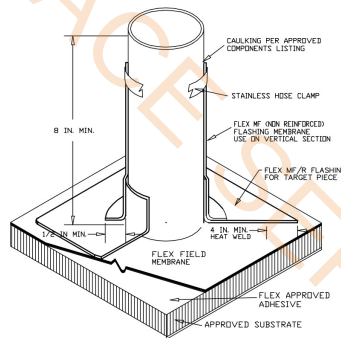
PIPE FLASHING DETAIL

N.T.S.

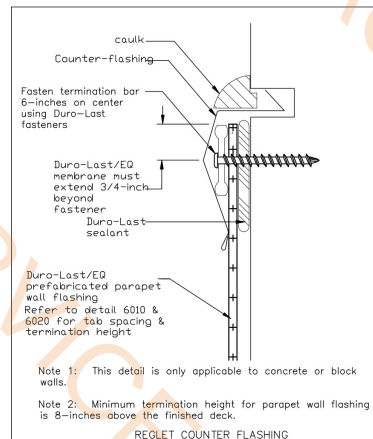


PREFAB VENT PIPE FLASHING

N.T.S.

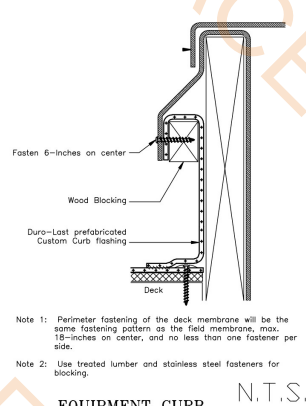


FIELD FLASHING VENT PIPE



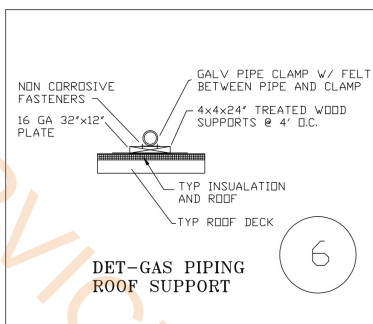
DETAIL @ CANTED WALL

Note: Minimum termination height for parapet wall flashing is 8-inches above the finished deck.

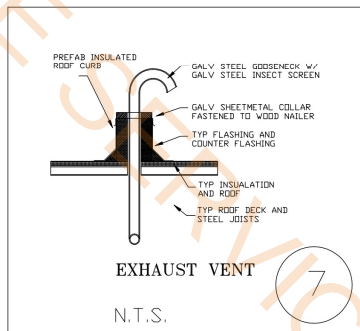


EQUIPMENT CURB

Note 1: Perimeter fastening of the deck membrane will be the same fastening pattern as the field membrane, max. 18-inches on center, and no less than one fastener per side.
Note 2: Use treated lumber and stainless steel fasteners for blocking.

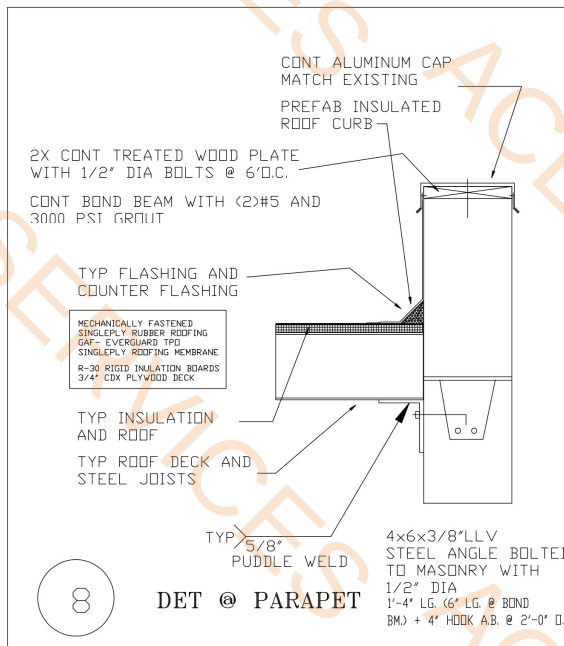


DET-GAS PIPING ROOF SUPPORT

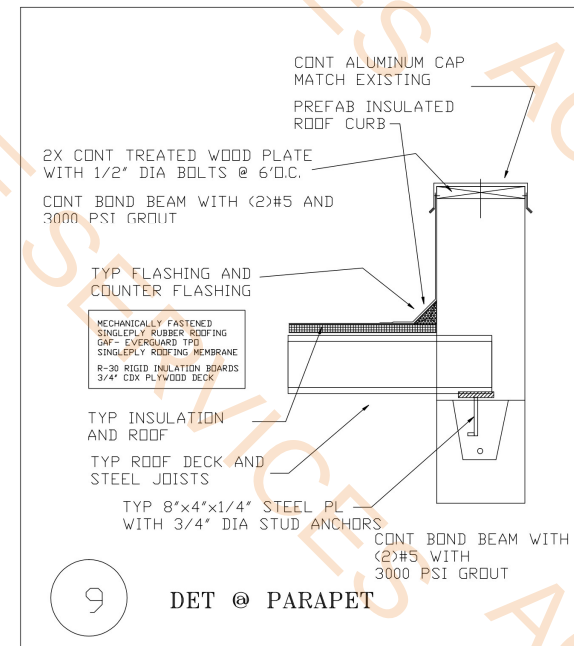


EXHAUST VENT

N.T.S.



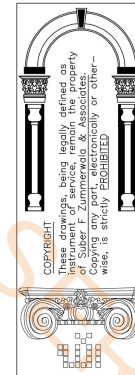
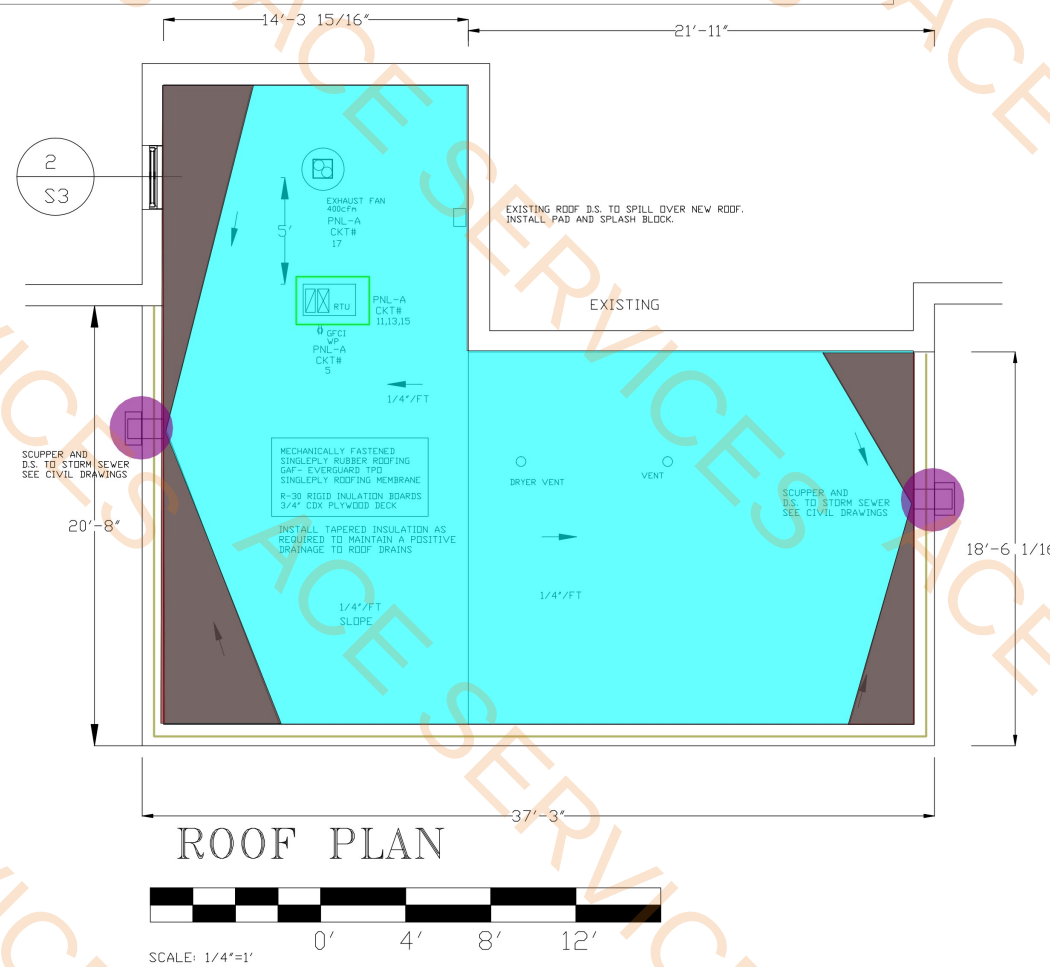
DET @ PARAPET



DET @ PARAPET

- TPO Roofing Membrane
- Roof Cricket
- 1'W Aluminum Parapet Cap
- 1'x1' Downspout w/1'x1'-6"W Scupper @ 10'H-Relocate
- Duro Last Curb Flashing

793.4 SQ FT
108.7 SQ FT
74.4 FT
2.0 EA
11.4 FT



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Roselle, IL 60017-2
DESIGN FIRM LIC. NO. 184.004407

ROOM ADDITION
ISLAMIC FOUNDATION
300 W. HIGH RIDGE ROAD
VILLA PARK, ILLINOIS 60181

NO.	REVISION	DATE

DRAWN BY: MK
CHECKED BY: SZ
PROJECT NO.: 25338
DATE: 03/01/25



ALL GROUND OVER WHICH FOOTINGS AND SLABS ON GRADE ARE TO BE PLACED SHALL BE FREE FROM EXPANSIVE OR COMPRESSIBLE DEBRIS AND ORGANIC MATERIALS. EXCAVATE TO CLAY AND FILL WITH GRAVEL ONLY.

BACKFILL SHALL BE FREE DRAINING, NON EXPANSIVE, PREDOMINANTLY GRANULAR MATERIAL, FREE OF ANY DEBRIS AND ORGANIC MATTERS.

ALL FOOTINGS SHALL BE PLACED ON UNDISTURBED, SOUND SOIL.
SOIL BEARING CAPACITY OF 1500 psf.-(ASSUMED)

CONCRETE CONSTRUCTION SHALL CONFORM TO "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI301), "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK" (ACI347) AND RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING OF CONCRETE"(ACI304).

CONCRETE SHALL BE READY-MIX CONCRETE TYPE AND SHALL CONFORM TO ASTM 94.

CONCRETE WHEN PLACED SHALL HAVE A TEMPERATURE BETWEEN 50 DEGREE F., AND 70 F. TEMPERATURE OF CONCRETE DURING MIXING OR TRANSPORTING SHALL NEVER BE LOWER THAN 40 DEGREE F OR HIGHER THAN 90 DEG F.

DURING HOT WEATHER (AMBIANT TEMPERATURE ABOVE 80 DEGREE F), FOLLOW RECOMMENDATIONS FOR HOT WEATHER CONCRETING AS PER ACI 305R TO MINIMIZE TEMPERATURE AND SHRINKAGE CRACKING OF CONCRETE.

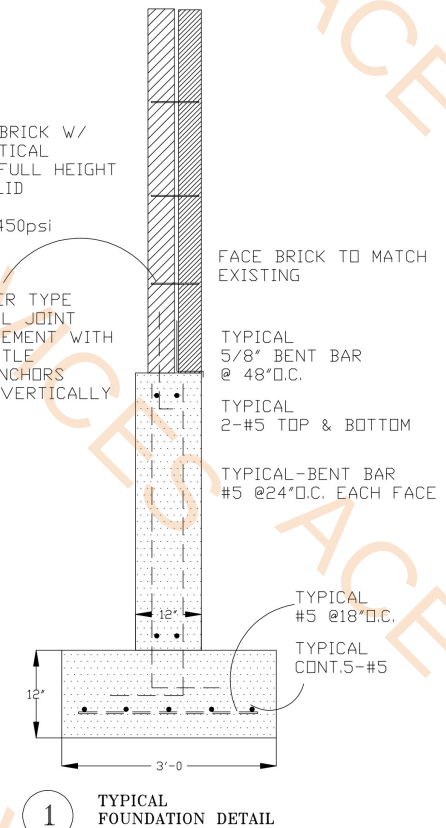
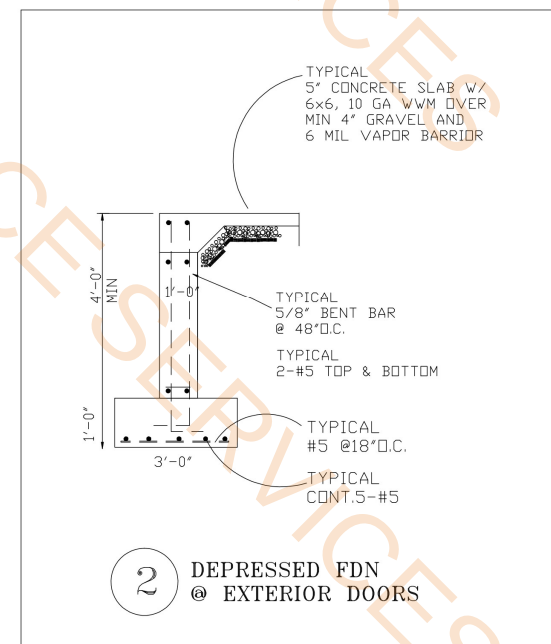
REINFORCEMENT STEEL SHALL CONFORM TO ASTM A615, GRADE 60.

ALL BARS MUST BE LAPPED MINIMUM 24 x DIAMETERS(MIN 18").

PROVIDE MINIMUM 3" OF CONCRETE COVER WHERE BELOW GRADE.



SCALE: 1/4"=1'



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ROOM ADDITION
ISLAMIC FOUNDATION
300 W. HIGH RIDGE ROAD
VILLA PARK, ILLINOIS 60181

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CHECKED BY	SZ
PROJECT NO.	25338
DATE:	03/01/25

S1

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- 4" Thick Concrete Slab-3000PSI
- Section 2/S1
- Section 1/S1
- Section 3/S1 Corner Reinforcement
- 4"HW Steel Pipe Column @ 12'H

878.9 SQ FT
10.1 FT
65.5 FT
2.0 EA
1.0 EA

ALL GROUND OVER WHICH FOOTINGS AND SLABS ON GRADE ARE TO BE PLACED SHALL BE FREE FROM EXPANSIVE OR COMPRESSIBLE DEBRIS AND ORGANIC MATERIALS. EXCAVATE TO CLAY AND FILL WITH GRAVEL ONLY.

BACKFILL SHALL BE PLACED IN SIX INCHES MAXIMUM LIFTS AND COMPACTED TO A MINIMUM DENSITY OF 95%.

BACKFILL SHALL BE FREE DRAINING, NON EXPANSIVE, PREDOMINANTLY GRANULAR MATERIAL, FREE OF ANY DEBRIS AND ORGANIC MATTERS.

FINAL THREE INCHES OF EXCAVATING SHALL BE DONE BY HAND TOOL OPERATIONS
IN ORDER TO INSURE UNDISTURBED BEARING SURFACES.

ALL FOOTINGS SHALL BE PLACED ON UNDISTURBED, SOUND SOIL.
SOIL BEARING CAPACITY OF 1500 psf.-(ASSUMED)

FOOTINGS AND OTHER CONCRETE WORK SHALL NOT BE PLACED ON FROZEN OR MUDDY GROUND.

CONCRETE CONSTRUCTION SHALL CONFORM TO "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI301), "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK" (ACI347) AND RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING OF CONCRETE"(ACI304).

CONCRETE SHALL ACHIEVE A 28 DAY, FIELD CURED, COMPRESSIVE STRENGTH OF MINIMUM 3000 PSI.

CONCRETE SHALL BE READY-MIX CONCRETE TYPE AND SHALL CONFORM TO ASTM 94.

CONCRETE SHALL BE THOROUGHLY CONSOLIDATED DURING PLACEMENT USING A MECHANICAL VIBRATOR.

CONCRETE WHEN PLACED SHALL HAVE A TEMPERATURE BETWEEN 50 DEGREE F., AND 70 F. TEMPERATURE OF CONCRETE DURING MIXING OR TRANSPORTING SHALL NEVER BE LOWER THAN 40 DEGREE F OR HIGHER THAN 90 DEG F.

DURING COLD WEATHER, (AMBIANT TEMPERATURE BELOW 40DEGREE F), CONCRETE MUST BE MAINTAINED AT A MINIMUM 50 DEGREE F FOR AT LEAST THREE DAYS. FOLLOW ACI 306 FOR COLD WEATHER CONCRETING.

DURING HOT WEATHER (AMBIANT TEMPERATURE ABOVE 80 DEGREE F), FOLLOW RECOMMENDATIONS FOR HOT WEATHER CONCRETING AS PER ACI 305R TO MINIMIZE TEMPERATURE AND SHRINKAGE CRACKING OF CONCRETE.

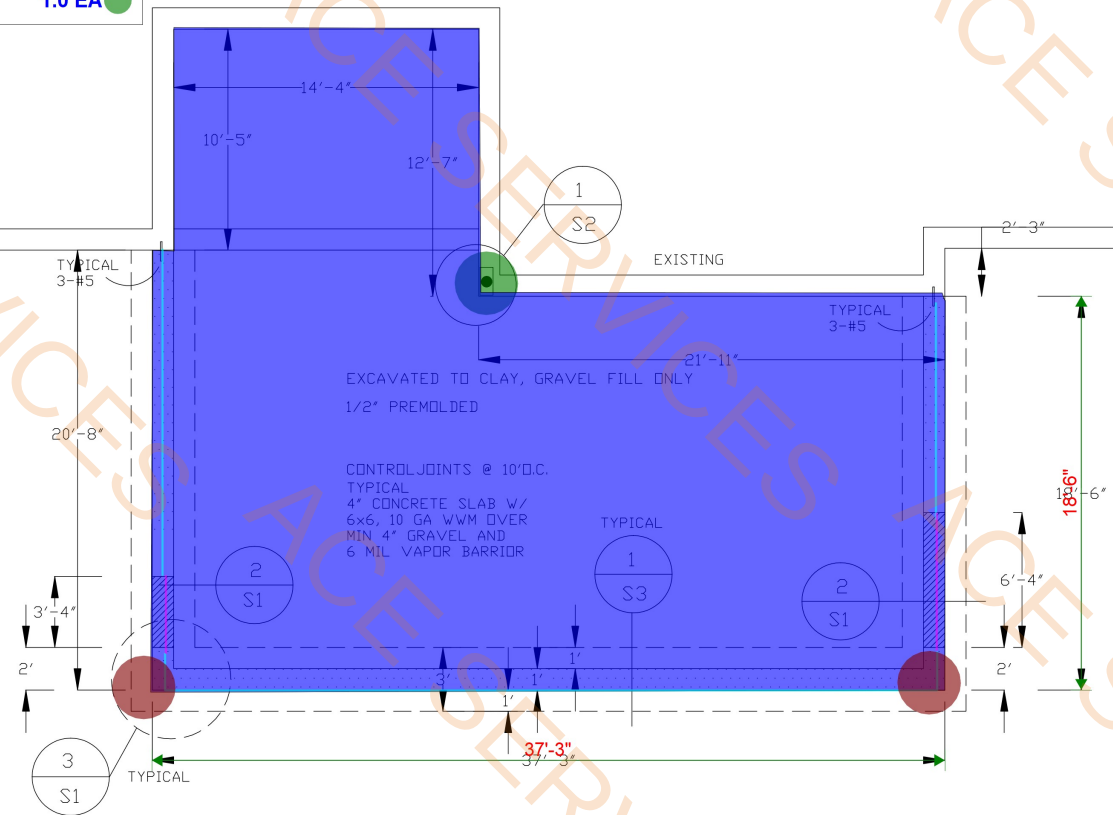
CONCRETE SHALL BE CONVEYED AND DEPOSITED IN ACCORDANCE WITH RECOMMENDATIONS OF ACI 304.

REINFORCEMENT STEEL SHALL CONFORM TO ASTM A615, GRADE 60.

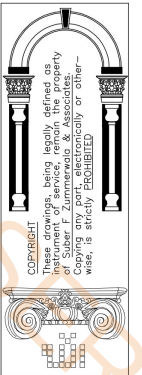
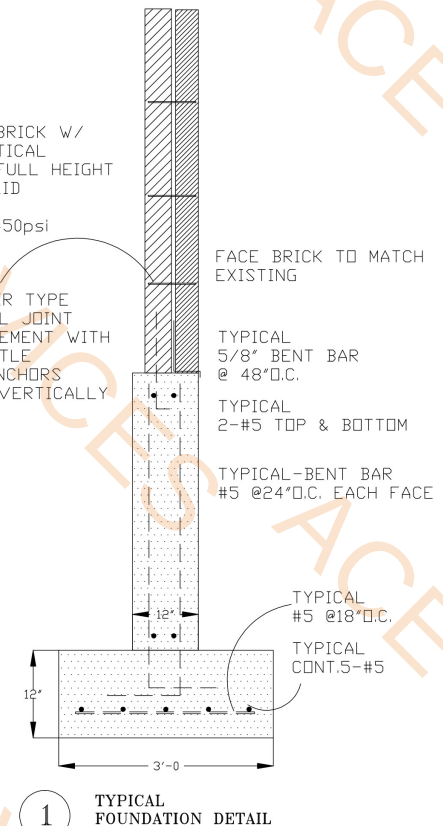
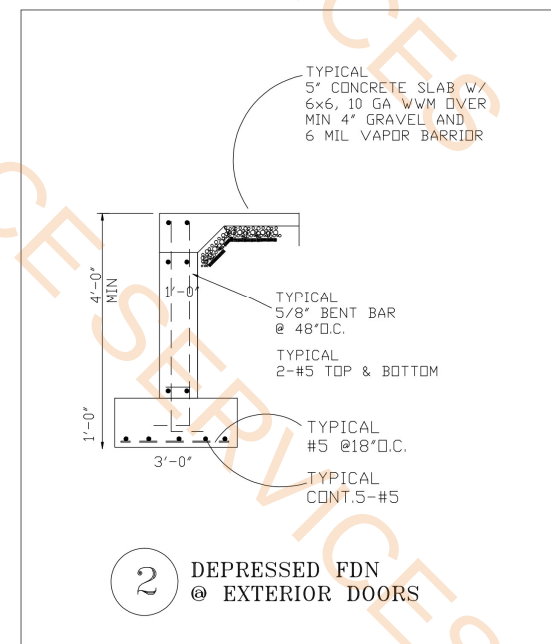
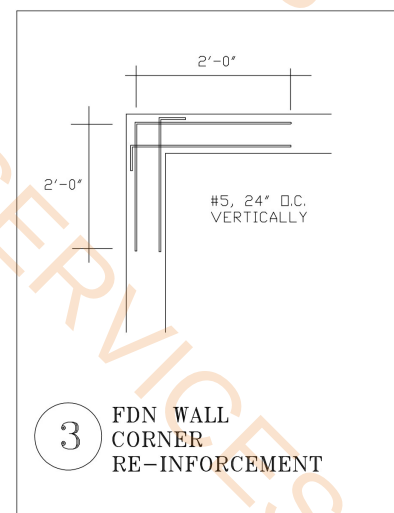
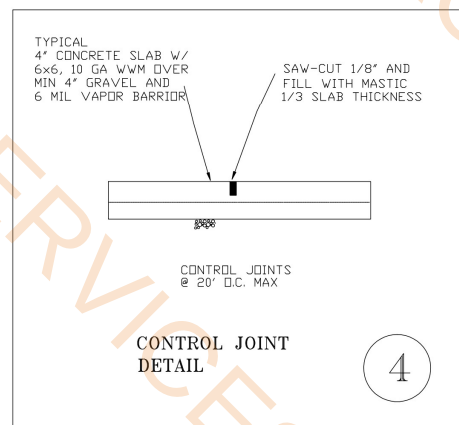
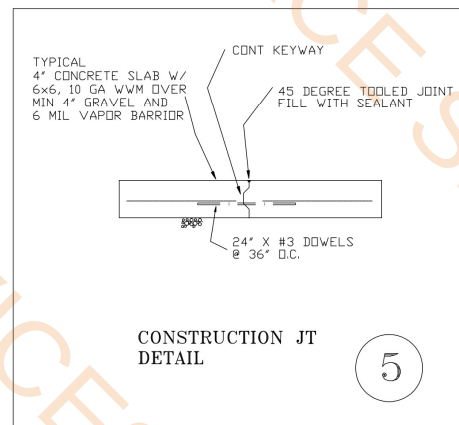
ALL DETAILING, FABRICATION AND PLACEMENT OF STEEL BARS AND SUPPORTS SHALL BE AS PER ACI MANUAL.

WELDED WIRE FABRIC MUST BE LAPPED A MINIMUM 12".

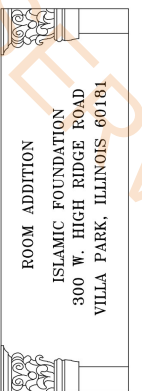
PROVIDE MINIMUM 3" OF CONCRETE COVER WHERE BELOW GRADE.



SCALE: 1/4"=1'



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ARCHITECTS & PLANNERS
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Roselle, IL 60172
DESIGN FIRM LIC. NO. 184.004407

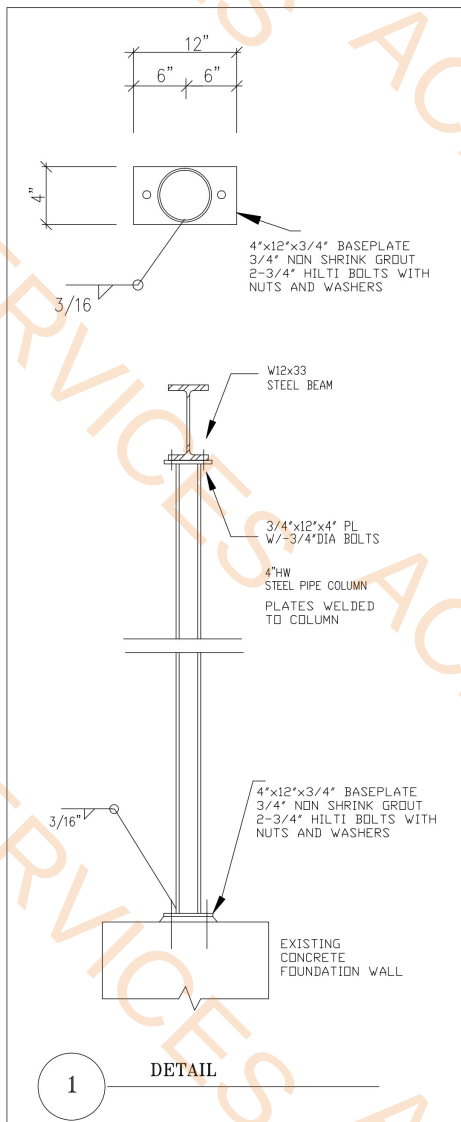


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CHECKED BY	SZ
PROJECT NO.	25338
DATE:	03/01/25

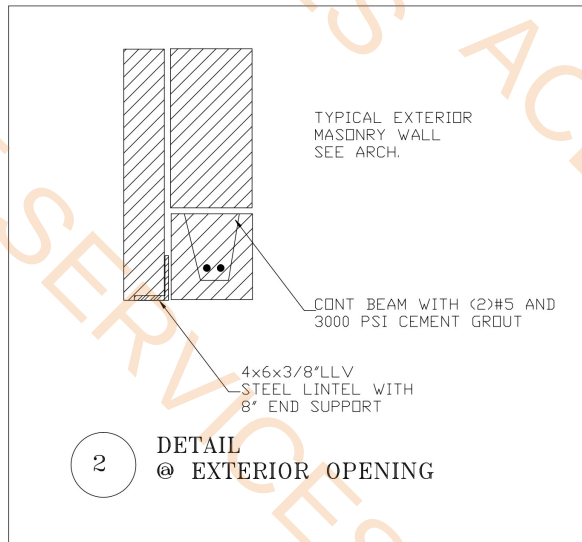
S1

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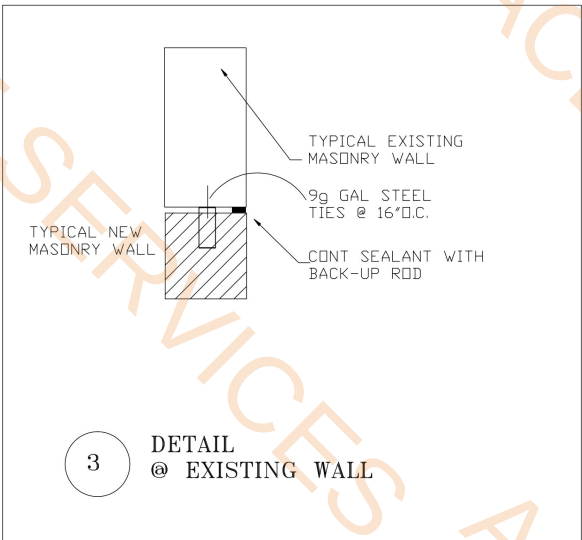
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DETAIL



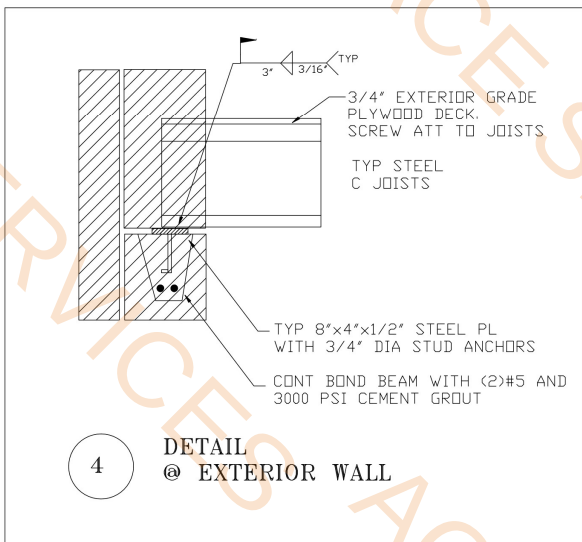
2

DETAIL
@ EXTERIOR OPENING



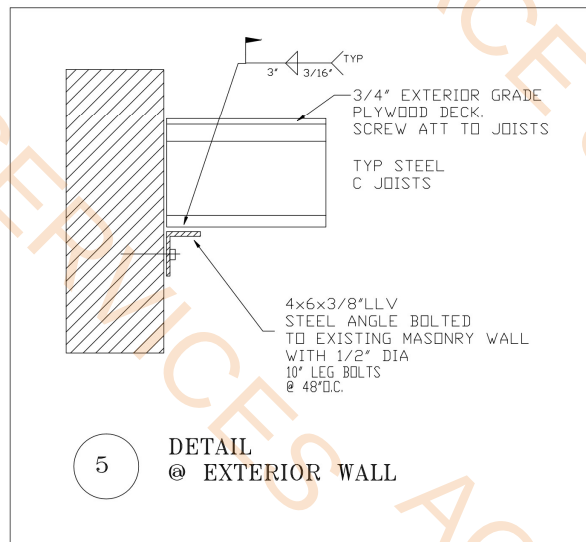
3

DETAIL
@ EXISTING WALL



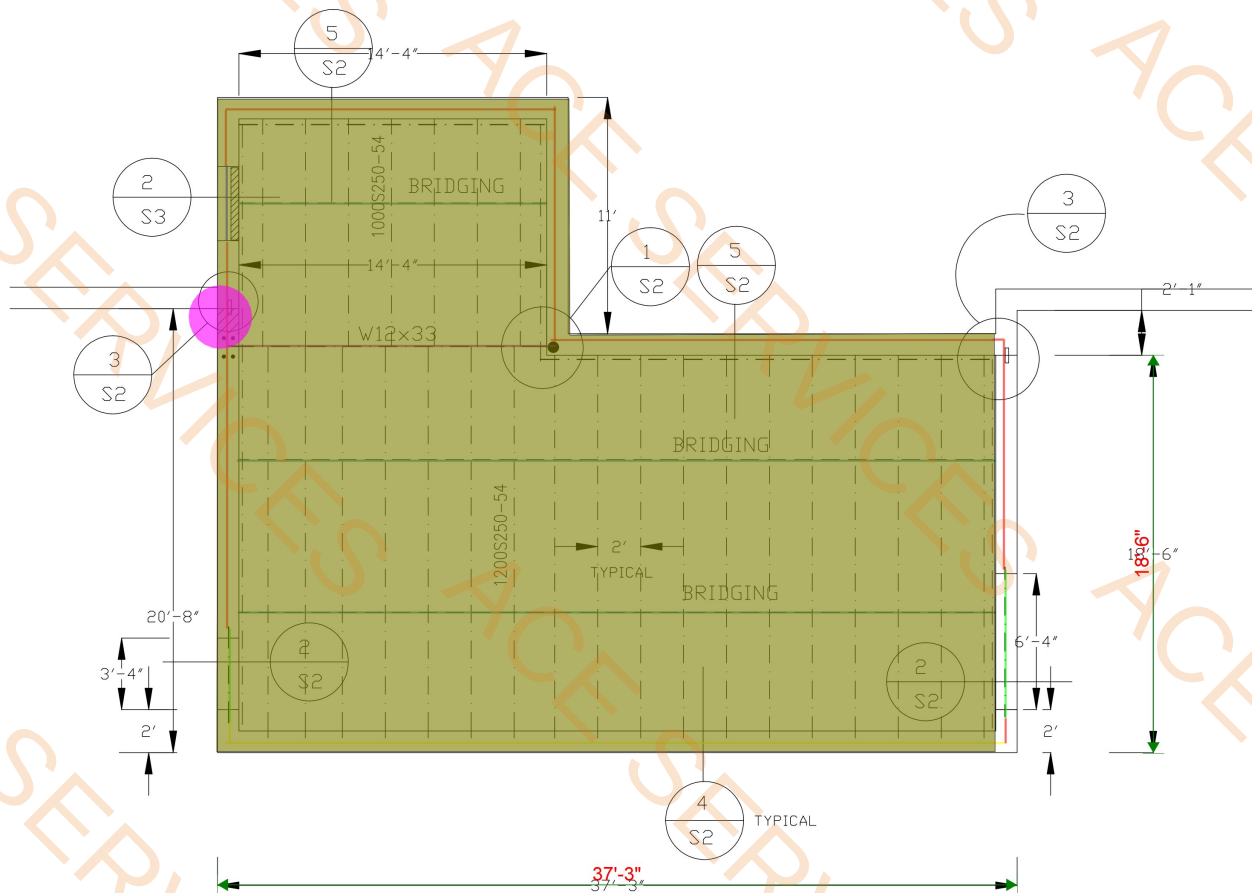
4

DETAIL
@ EXTERIOR WALL



5

DETAIL
@ EXTERIOR WALL



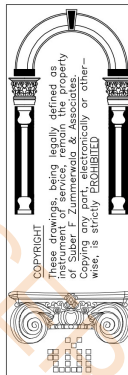
1200S250-54 Metal Joist @ 24"O.C w/3/4" Plywoo...	881.4 SQ FT
W12x33 Beam	15.3 FT
1000S250-54 Bridging	85.0 FT
Section 5/S2	79.9 FT
Section 2/S2	11.2 FT
Section 4/S2	37.2 FT
Section 2/S2	3.5 FT
Detail 3/S2	1.0 EA

STRUCTURAL STABILITY AND CONSTRUCTION

INDIVIDUAL STRUCTURAL COMPONENTS ARE DESIGNED TO SUPPORT LOADS IN THEIR FINAL ERECTED POSITION AS PART OF THE TOTAL COMPETED STRUCTURE. CONTRACTOR TO PROVIDE TEMPORARY GUYING, SUPPORTS AND BRACING AS REQUIRED UNTILL ALL CONSTRUCTION AFFECTING LATERAL STABILITY IS COMPLETED.

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR STABILITY OF STRUCTURE, ITS PARTS AND JOB SITE SAFETY BY USE OF GUYING, BRACING, SHORING, BARRICADES, SAFETY RAILINGS AND DEVICES DURING ENTIRE PERIOD OF CONSTRUCTION.

ALL STEEL JOISTS FRAMING AS PER MANUFACTURER'S PRINTED INSTRUCTIONS.



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DESIGN FIRM LIC. NO. 184.00407

ROOM ADDITION
ISLAMIC FOUNDATION
300 W. HIGH RIDGE ROAD
VILLA PARK, ILLINOIS 60181

NO.	REVISION	DATE

DRAWN BY: MK
CHECKED BY: SZ
PROJECT NO.: 25338
DATE: 03/01/25



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ROOM FINISH SCHEDULE

ROOM NAME	FLOOR	BASE COVED	WALLS	CEILING	REMARKS
VIEWING ROOM	V.T.	VYNI COVED	D.W./GL	A.C.2	
BODY WASH	C.T.	C.T. COVED	D.W.	A.C.2	FRP/CT. ON WALLS TO 6'
WASHROOM	C.T.	C.T. COVED	D.W.	A.C.2	FRP/CT. ON WALLS TO 6'

FINISH LEGEND:

AC1= SMOOTH PLASTIC TILES
AC2= ACUSTICAL CLG TILES
D.W.= DRY WALL-GYPSUM BDS
CT= CERAMIC TILES
QT= QUARY TILES
PTD= PAINTED
VT= VYNI TILES
WR= WATER RESISTANT
FRP= FIBER REINFORCED PANELS
ALL VINYL TILES & BASE TO BE COMMERCIAL GRADE
MINIMUM 1/4" THICKNESS

ROOM FINISH NOTES

1. INSTALL WR TYPE DRYWALL AT ALL LOCATIONS WHERE MOISTURE MAY BE PRESENT
2. ALL DRYWALLS TO BE PAINTED. COLOR TO BE SELECTED BY OWNERS.
PAINT TO BE OIL BASE-ENAMEL ONLY
3. PROVIDE A MIN. OF 4" COVING BASE AT ALL FLOOR AND WALL JUNCTURES.
ALL INTERIOR WALLS TO BE W/ METAL STUDS @ 16" O.C.,
AND 1/2" DRYWALL (W.D.).
4. PROVIDE A MIN. OF 6" COVING BASE AT ALL FLOOR AND WALL JUNCTURES.
5. FLAME SPREAD RATING FOR ALL INTERIOR FINISHES TO BE 16-20.

ALL COOLING/FREEZING UNITS MUST HAVE ACCURATE THERMOMETERS.
ALL TOILETS, URINALS, HAND SINKS, MOP SINKS, PREP SINKS, AND
PERMANENT COUNTER/ CABINETS MUST BE SEALED TO FLOORS AND WALLS WITH A SILICONE
CAULK SEALANT.
INSTALL ANTI-SIPHON DEVICES ON ALL TOILET TANKS, URINALS, AND FAUCETS WITH HOSE CONNECTIONS.
INSTALL SOAP AND PAPER TOWEL DISPENSER AND DISPOSAL FOR ALL HAND SINKS.
IF SINKS ARE PROVIDED WITH SPRING- LOADED FAUCETS, THE FAUCETS MUST REMAIN RUNNING FOR
A MINIMUM OF 15 SECONDS.

DOOR SCHEDULE

	SIZE	MATERIAL	FRAME	HDWR	REMARKS
1	3'-0" X 7'-0"	ALUMINUM AND TEMP GLASS	ALUMINUM	2 3 5 6 7	TO MEET EXIT AND HANDICAP REQUIREMENTS.
2	PAIR 3'-0" X 7'-0"	SOLID CORE WOOD VIEW PANEL	HOLLOW METAL	2 3	TO MEET EXIT AND HANDICAP REQUIREMENTS.
3	3'-0" X 6'-8"	SOLID CORE WOOD	HOLLOW METAL	1 3	TO MEET HANDICAP REQUIREMENTS.
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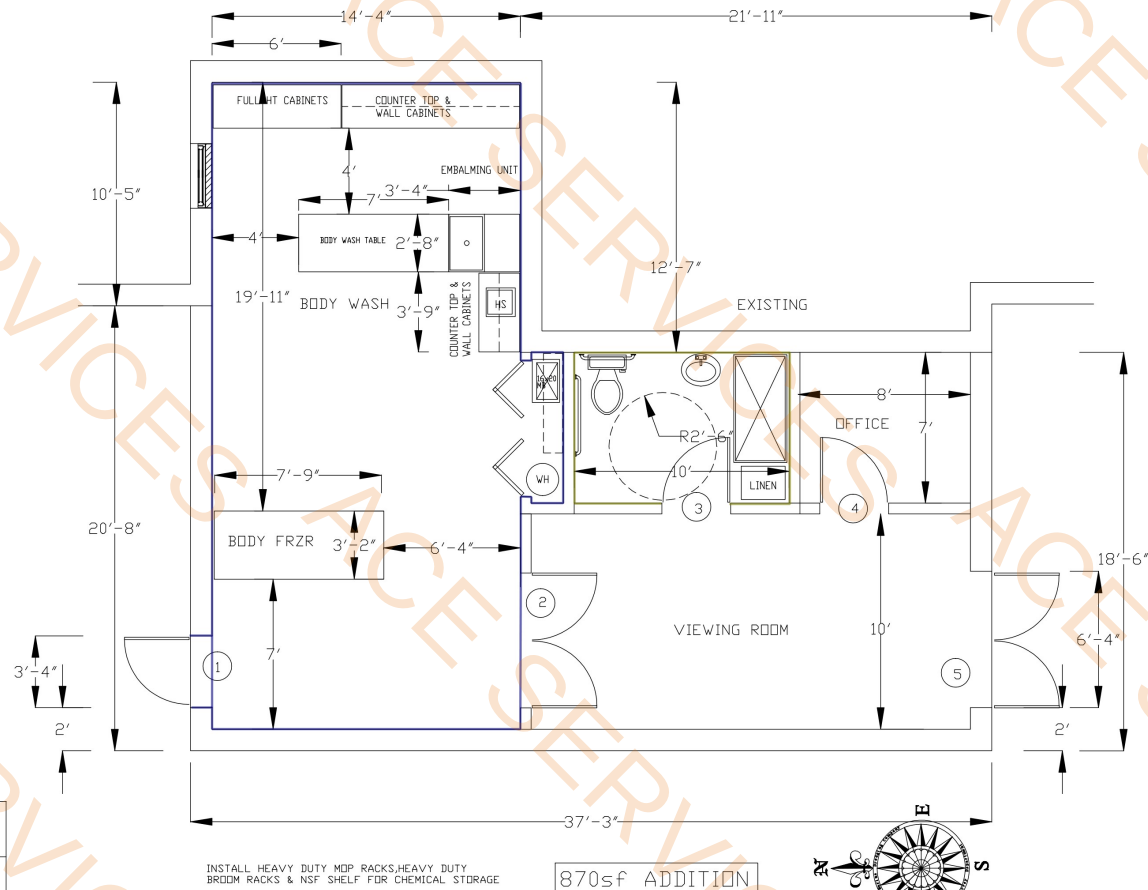
DOOR HARDWARE NOTES

- 1 PRIVACY LATCH SET
- 2 KEYED ENTRY LOCK
- 3 PUSH & PULL
- 4 KICK PLATE
- 5 AUTOMATIC CLOSER
- 6 ALUMINUM THRESHOLD
- 7 WEATHERSTRIP-PERIMETER

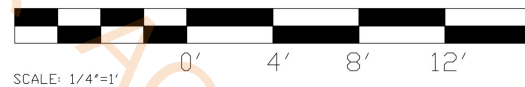
ALL HARDWARE TO BE COMMERCIAL TYPE, HEAVY DUTY
INSTALL ALL HARDWARE ITEMS AS REQUIRED
HINGES- ALL DOORS MIN 1-1/2" PAIR HAGER
LOCKSETS- SCHLAGE -HEAVY DUTY, COMMERCIAL
AUTOMATIC CLOSERS-LCN 1481 ALUMINUM
FLOOR STOPS-HAGER 241, US28
ALL GLASS WITHIN 48" OF ANY DOORS TO BE SAFETY GLASS
PAINT ALL FRAMES TO MATCH DOORS.
PULL PLATES-HAGER 4X16, H33E, US28
PUSH PLATES-HAGER, 4X16, 305, US28
PROVIDE POSITIVE LATCH SET
ALL H/C REQUIRED DOORS TO COMPLY WITH IAC 400.310(J)(8).

ALL EGRESS DOORS SHALL BE READILY OPERABLE FROM THE INSIDE
WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE.
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50 OR MORE IN A GROUP A OCCUPANCY SHALL NOT BE PROVIDED WITH
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DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING
DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE
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FLOOR PLAN



MECHANICALLY FASTENED
SINGLEPLY RUBBER ROOFING
GAF- EVERGUARD TPO
SINGLEPLY ROOFING MEMBRANE
R-30 RIGID INSULATION BEARDS
3/4" CDX PLYWOOD DECK

SUSPENDED CLG WITH
T BAR SYSTEM

5/8" DRYWALL ON 3 1/2" METAL
AND R-13
INSULATION

TYPICAL:
4"CMU+4" BRICK W/
2-#5 VERTICAL
@ 48"O.C.-FULL HEIGHT
GROUT SOLID
MASONRY-
MINIMUM 1450psi

TYP 5" CONCRETE SLAB WITH 6X6,
10 GA WWM OVER 6MIL VAPOR BARRIER
AND MIN.4" GRAVEL OVER COMPACTED SOIL

1/2" PREMOIDED
EXPANSION JOINT AND
FILLER

TYP. CONC. FDN. & FTG.
SEE DET.1,SI

TYPICAL
9ga LADDER TYPE
HORIZONTAL JOINT
RE-INFORCEMENT WITH
EYE & PINTLE
VENEER ANCHORS
@ 16"O.C., VERTICALLY

#5X36" DOVELS @ 32"O.C.
W/ 2" HOOK ANCH 18" INTO
CONCRETE
CONT. FLASHING WITH
WEEP HOLES @ 24" O.C.

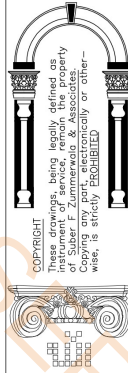
1 TYP DETAIL SECTION

NTS

Ceramic Tiles @6'H
Frp Panels @6'H

30.9 FT

96.0 FT



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DESIGN FIRM LIC. NO. 184.004407

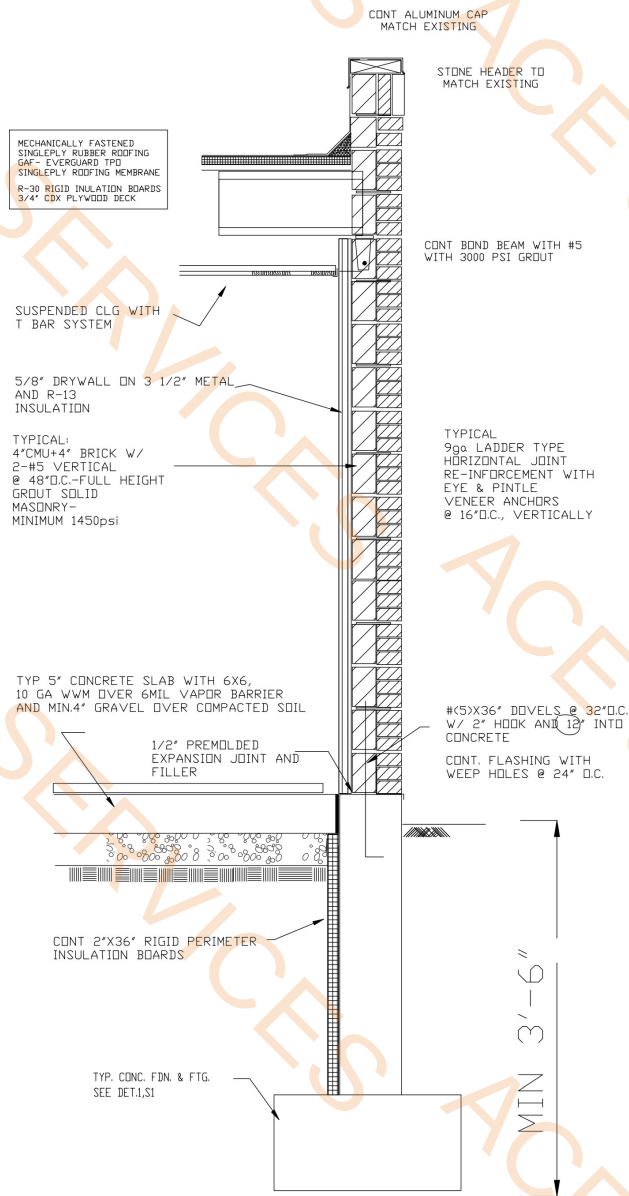
ROOM ADDITION
ISLAMIC FOUNDATION
300 W. HIGH RIDGE ROAD
VILLA PARK, ILLINOIS 60181

NO.	REVISION	DATE

DRAWN BY: MK
CHECKED BY: SZ
PROJECT NO: 25338
DATE: 03/01/25

A2

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1 TYP DETAIL SECTION
NTS

- Countertop solid surface
- 1' deep Wall Cabinets
- 2' Deep Full Height Cabinet
- Backsplash
- Linen
- 5'x2'-5' Shower Enclosure
- Body FREEZER
- Door Threshhold Strips

23.5 SQ FT
11.9 FT
6.0 FT
11.9 FT
1.0 EA
1.0 EA
1.0 EA
9.7 FT

ROOM FINISH SCHEDULE

ROOM NAME	FLOOR	BASE COVED	WALLS	CEILING	REMARKS
VIEWING ROOM	V.T.	VYNIL COVED	D.W./GL	A.C.2	
BODY WASH	C.T.	C.T. COVED	D.W.	A.C.2	FRP/C.T. ON WALLS TO 6'
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FINISH LEGEND:

AC1= SMOOTH PLASTIC TILES
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FRP= FIBER REINFORCED PANELS
ALL VINYL TILES & BASE TO BE COMMERCIAL GRADE
MINIMUM 1/4" THICKNESS

ROOM FINISH NOTES

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	SIZE	MATERIAL	FRAME	HDWR	REMARKS
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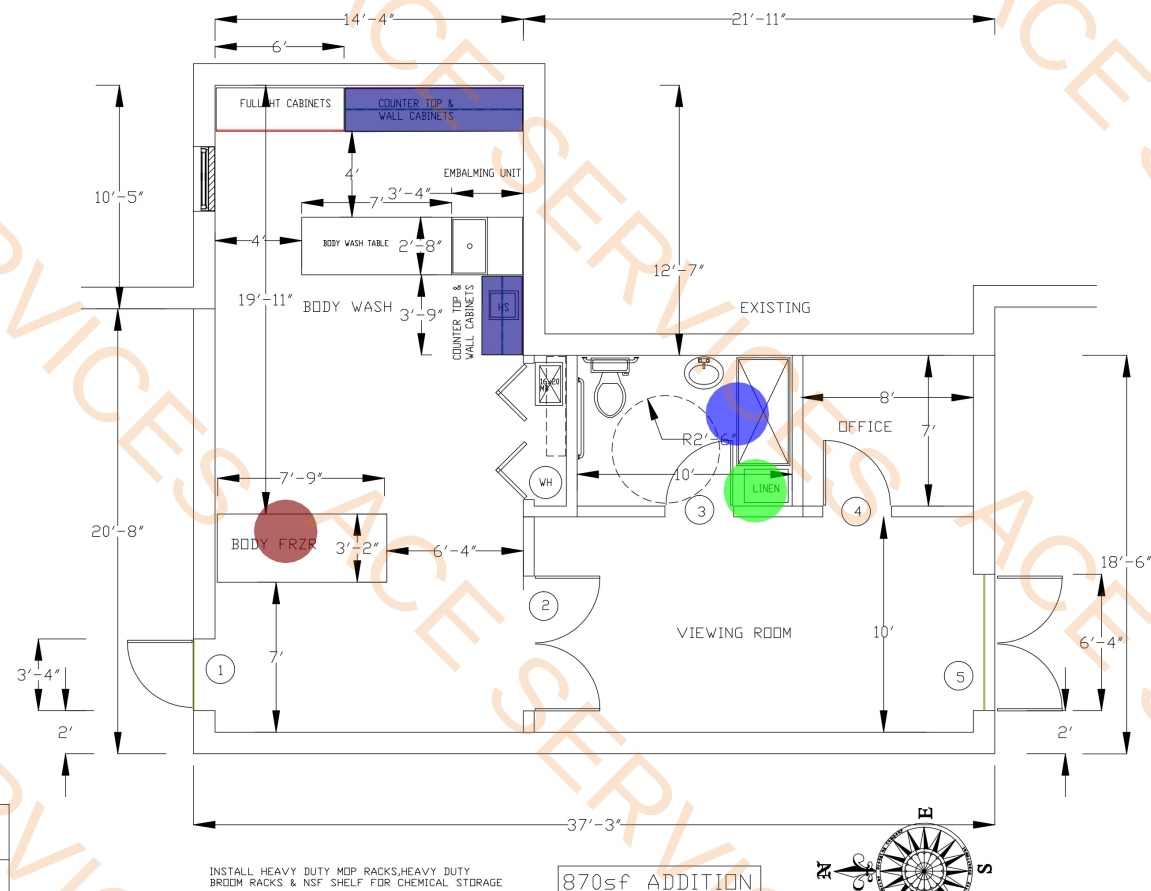
DOOR HARDWARE NOTES

- PRIVACY LATCH SET
- KEYED ENTRY LOCK
- PUSH & PULL
- KICK PLATE
- AUTOMATIC CLOSER
- ALUMINUM THRESHOLD
- WEATHERSTRIP-PERIMETER

ALL HARDWARE TO BE COMMERCIAL TYPE, HEAVY DUTY
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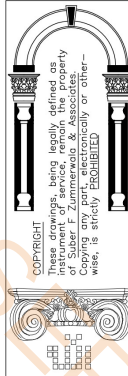
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FLOOR PLAN

SCALE: 1/4"=1'
0' 4' 8' 12'



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R O S C I L L E - I L L I N O I S
DESIGN FIRM LIC. NO. 184-004467

ROOM ADDITION
ISLAMIC FOUNDATION
300 W. HIGH RIDGE ROAD
VILLA PARK, ILLINOIS 60181

NO.	REVISION	DATE

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SINGLEPLY RUBBER ROOFING
GAF- EVERGUARD TPO
SINGLEPLY ROOFING MEMBRANE
R-30 RIGID INSULATION BEAMS
3/4" CDX PLYWOOD DECK

SUSPENDED CLG WITH
T BAR SYSTEM

5/8" DRYWALL ON 3 1/2" METAL
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INSULATION

TYPICAL:
4"CMU+4" BRICK W/
2-#5 VERTICAL
@ 48"O.C.-FULL HEIGHT
GROUT SOLID
MASONRY-
MINIMUM 1450psi

TYP 5" CONCRETE SLAB WITH 6X6,
10 GA W/M OVER 6MIL VAPOR BARRIER
AND MIN.4" GRAVEL OVER COMPACTED SOIL

1/2" PREMOIDED
EXPANSION JOINT AND
FILLER

TYP. CONC. FDN. & FTG.
SEE DET.1.S1

CONT ALUMINUM CAP
MATCH EXISTING

STONE HEADER TO
MATCH EXISTING

CONT BOND BEAM WITH #5
WITH 3000 PSI GROUT

TYPICAL
9ga LADDER TYPE
HORIZONTAL JOINT
RE-INFORCEMENT WITH
EYE & PINTLE
VENEER ANCHORS
@ 16"O.C., VERTICALLY

MIN 3'-6"

ROOM NAME	FLOOR	BASE COVER	WALLS	CEILING	REMARKS
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	SIZE	MATERIAL	FRAME	HDWR	REMARKS
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DOOR HARDWARE NOTES

- 1 PRIVACY LATCH SET
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- 4 KICK PLATE
- 5 AUTOMATIC CLOSER
- 6 ALUMINUM THRESHOLD
- 7 WEATHERSTRIP-PERIMETER

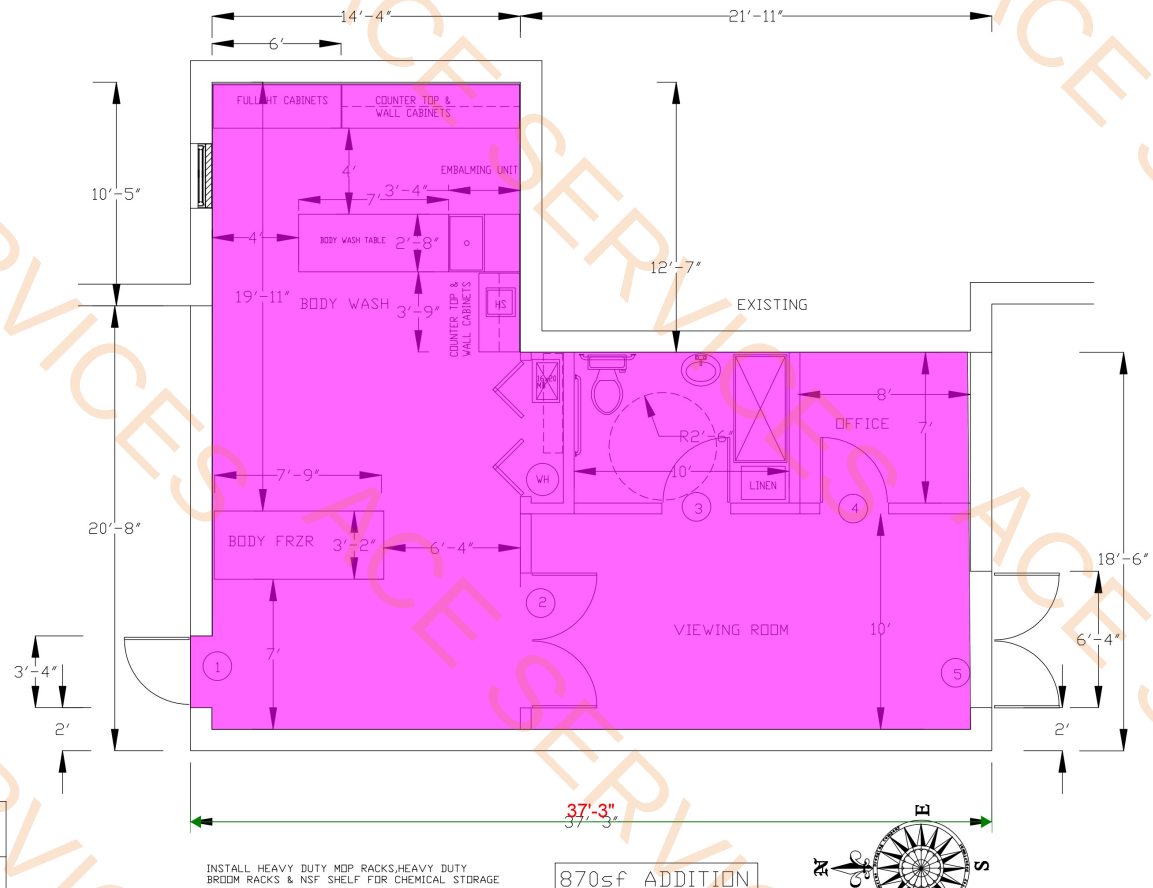
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WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE.

SWINGING DOORS SERVING ROOMS OR SPACES WITH OCCUPANT LOAD OF
50 OR MORE IN A GROUP A OCCUPANCY SHALL NOT BE PROVIDED WITH
A LATCH OR LOCK OTHER THAN PANIC HARDWARE OR FIRE EXIT HARDWARE.

DOOR HANDLES, PULLS,LATCHES, LOCKS AND OTHER OPERATING
DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE
TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.



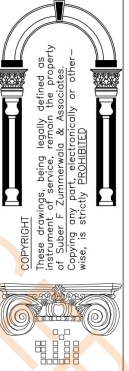
FLOOR PLAN

1 TYP DETAIL SECTION

NTS

A.C.2 Ceiling

798.7 SQ FT



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ROOM ADDITION
ISLAMIC FOUNDATION
300 W. HIGH RIDGE ROAD
VILLA PARK, ILLINOIS 60181

NO.	REVISION	DATE

DRAWN BY: MK
CHECKED BY: SZ
PROJECT NO: 25338
DATE: 03/01/25

A2

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MECHANICALLY FASTENED
SINGLEPLY RUBBER ROOFING
GAF- EVERGUARD TPO
SINGLEPLY ROOFING MEMBRANE
R-30 RIGID INSULATION BEAMS
3/4" CDX PLYWOOD DECK

SUSPENDED CLG WITH
T BAR SYSTEM

5/8" DRYWALL ON 3 1/2" METAL
AND R-13
INSULATION

TYPICAL:
4"CMU+4" BRICK W/
2-#5 VERTICAL
@ 48"O.C.-FULL HEIGHT
GROUT SOLID
MASONRY-
MINIMUM 1450psi

TYP 5" CONCRETE SLAB WITH 6X6,
10 GA W/M OVER 6MIL VAPOR BARRIER
AND MIN.4" GRAVEL OVER COMPACTED SOIL

1/2" PREMOULDED
EXPANSION JOINT AND
FILLER

TYP. CONC. FDN. & FTG.
SEE DET.1.S1

CONT ALUMINUM CAP
MATCH EXISTING

STONE HEADER TO
MATCH EXISTING

CONT BOND BEAM WITH #5
WITH 3000 PSI GROUT

TYPICAL
9ga LADDER TYPE
HORIZONTAL JOINT
RE-INFORCEMENT WITH
EYE & PINTLE
VENEER ANCHORS
@ 16"O.C., VERTICALLY

#5X36" DOVELS @ 32"O.C.
W/ 2" HOOK ANCH 18" INTO
CONCRETE
CONT. FLASHING WITH
WEEP HOLES @ 24" O.C.

MIN 3'-6"

ROOM FINISH SCHEDULE

ROOM NAME	FLOOR	BASE COVER	WALLS	CEILING	REMARKS
VIEWING ROOM	V.T.	VYNIL COVER	D.W./GL	A.C.2	
BODY WASH	C.T.	C.T. COVER	D.W.	A.C.2	FRP/C.T. ON WALLS TO 6'
WASHROOM	C.T.	C.T. COVER	D.W.	A.C.2	FRP/C.T. ON WALLS TO 6'

FINISH LEGEND:

AC1= SMOOTH PLASTIC TILES
AC2= ACOUSTICAL CLG TILES
D.W.= DRY WALL-GYPSUM BDS
CT= CERAMIC TILES
QT= QUARY TILES
PTD= PAINTED
VT= VYNIL TILES
WR= WATER RESISTANT
FRP= FIBER REINFORCED PANELS
ALL VINYL TILES & BASE TO BE COMMERCIAL GRADE
MINIMUM 1/4" THICKNESS

ROOM FINISH NOTES

1. INSTALL WR TYPE DRYWALL AT ALL LOCATIONS WHERE MOISTURE MAY BE PRESENT
2. ALL DRYWALLS TO BE PAINTED. COLOR TO BE SELECTED BY OWNERS.
PAINT TO BE OIL BASE-ENAMEL ONLY
3. PROVIDE A MIN OF 4" COVING BASE AT ALL FLOOR AND WALL JUNCTURES.
ALL INTERIOR WALLS TO BE W/ METAL STUDS @ 16" O.C.,
AND 1/2" DRYWALL(WAND).
4. PROVIDE A MIN OF 6" COVING BASE AT ALL FLOOR AND WALL JUNCTURES.
5. FLAME SPREAD RATING FOR ALL INTERIOR FINISHES TO BE 16-20.

ALL COOLING/FREEZING UNITS MUST HAVE ACCURATE THERMOMETERS.
ALL TOILETS, URINALS,HAND SINKS, MOP SINKS, PREP SINKS AND
PERMANENT COUNTER/ CABINETS MUST BE SEALED TO FLOORS AND WALLS WITH A SILICONE
CAULK SEALANT.

INSTALL ANTI-SIPHON DEVICES ON ALL TOILET TANKS, URINALS, AND FAUCETS WITH HOSE CONNECTIONS.
INSTALL SOAP AND PAPER TOWEL DISPENSER AND DISPOSAL FOR ALL HAND SINKS.

IF SINKS ARE PROVIDED WITH SPRING- LOADED FAUCETS, THE FAUCETS MUST REMAIN RUNNING FOR
A MINIMUM OF 15 SECONDS.

DOOR SCHEDULE

	SIZE	MATERIAL	FRAME	HDWR	REMARKS
1	3'-0 X 7'-0	ALUMINUM AND TEMP GLASS	ALUMINUM	2 3 5 6 7	TO MEET EXIT AND HANDICAP REQUIREMENTS.
2	PAIR 3'-0 X 7'-0	SOLID CORE WOOD VIEW PANEL	HOLLOW METAL	2 3	TO MEET EXIT AND HANDICAP REQUIREMENTS.
3	3'-0 X 6'-8"	SOLID CORE WOOD	HOLLOW METAL	1 3	TO MEET HANDICAP REQUIREMENTS.
4	3'-0 X 6'-8"	SOLID CORE WOOD	HOLLOW METAL	1 3	TO MEET HANDICAP REQUIREMENTS.
5	PAIR 3'-0 X 7'-0	ALUMINUM AND TEMP GLASS	ALUMINUM	2 3 5 6 7	TO MEET EXIT AND HANDICAP REQUIREMENTS.

DOOR HARDWARE NOTES

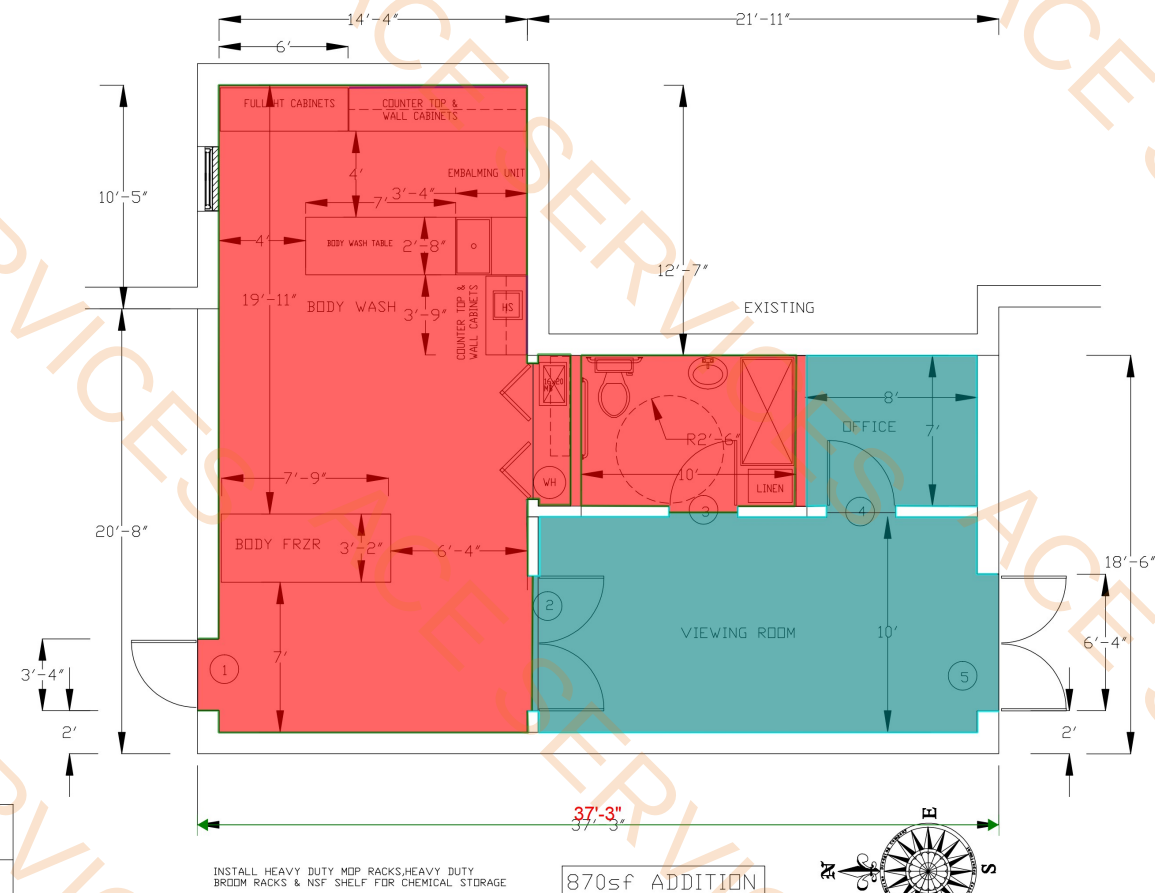
- 1 PRIVACY LATCH SET
- 2 KEYED ENTRY LOCK
- 3 PUSH & PULL
- 4 KICK PLATE
- 5 AUTOMATIC CLOSER
- 6 ALUMINUM THRESHOLD
- 7 WEATHERSTRIP-PERIMETER

ALL HARDWARE TO BE COMMERCIAL TYPE, HEAVY DUTY
INSTALL ALL HARDWARE ITEMS AS REQUIRED

HINGES- ALL DOORS MIN 1-1/2 PAIR HAGER
LOCKSETS- SCHLAGE -HEAVY DUTY,COMMERCIAL
AUTOMATIC CLOSERS-LCN 1481 ALUMINUM
FLOOR STOPS-HAGER 241,US28
ALL GLASS WITHIN 48" OF ANY DOORS TO BE SAFETY GLASS
PAINT ALL FRAMES TO MATCH DOORS.
PULL PLATES-HAGER 4X16,H33E,US28
PUSH PLATES-HAGER, 4X16,305,US28
PROVIDE POSITIVE LATCH SET
ALL H/C REQUIRED DOORS TO COMPLY WITH IAC 400.310(JX8).

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FLOOR PLAN

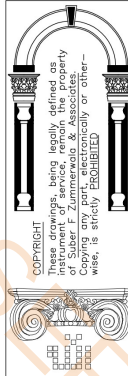


1 TYP DETAIL SECTION

NTS

- Vynil Tiles Floor
- Ceramic Tiles Floor
- Vynil Coved Wall Base
- Ceramic Tiles Coved Wall Base
- Backsplash
- Transition Strips

269.6 SQ FT
527.7 SQ FT
73.4 FT
117.4 FT
12.0 FT
9.4 FT



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ROOM ADDITION
ISLAMIC FOUNDATION
300 W. HIGH RIDGE ROAD
VILLA PARK, ILLINOIS 60181

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A2

- 18" Min Verical Grab bar
- Mirror
- H/c SIGN
- 3'-6" Horizontal Grab bar
- 2'-6" Horizontal Grab bar
- Hand dryer

1.0 EA 

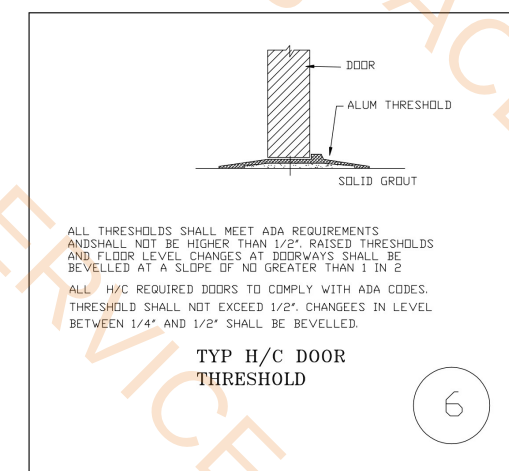
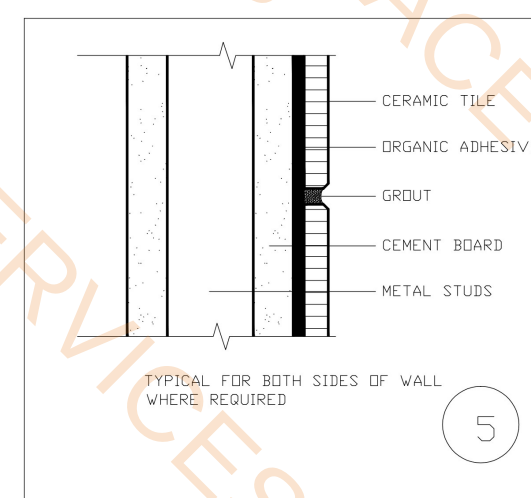
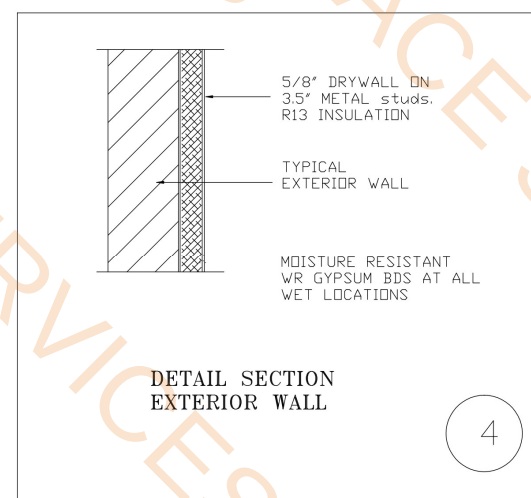
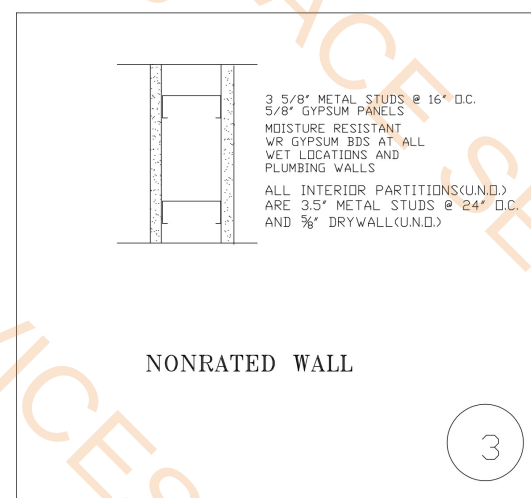
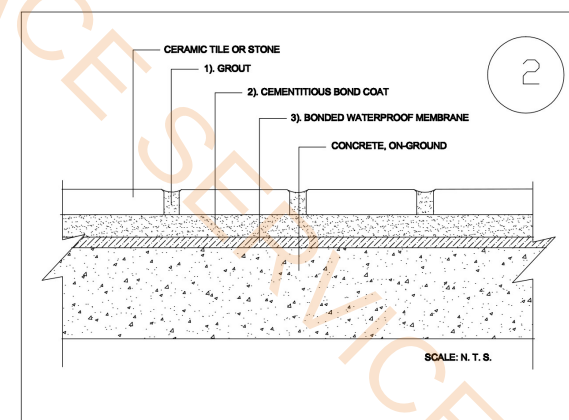
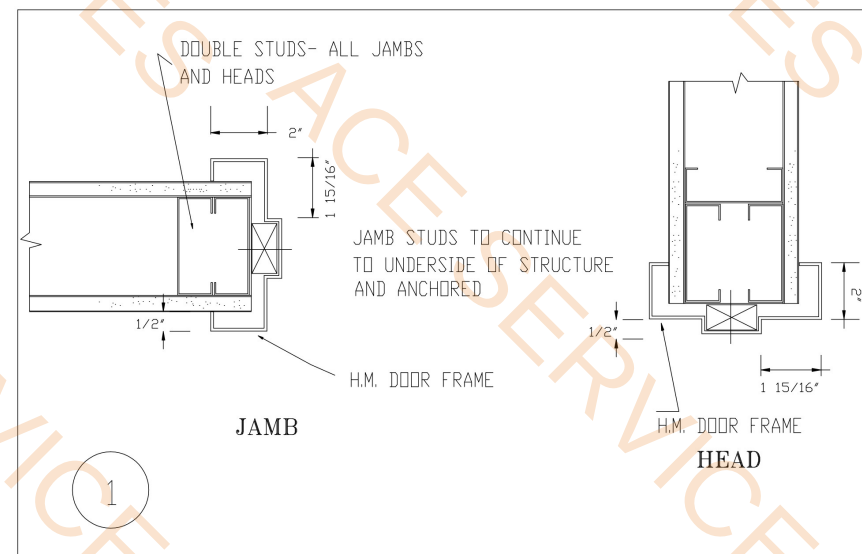
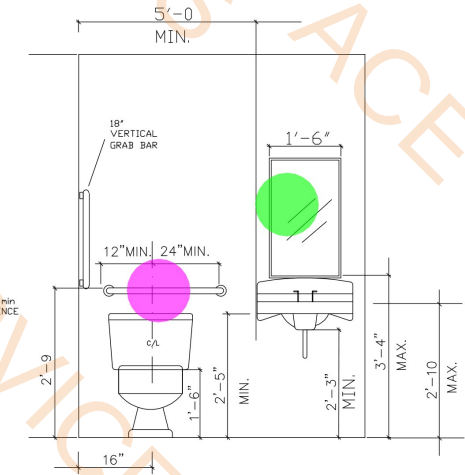
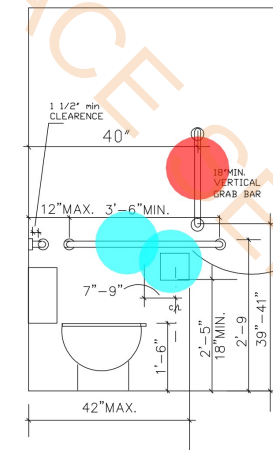
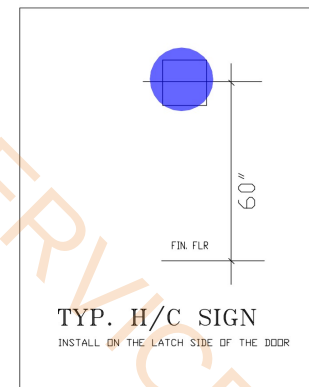
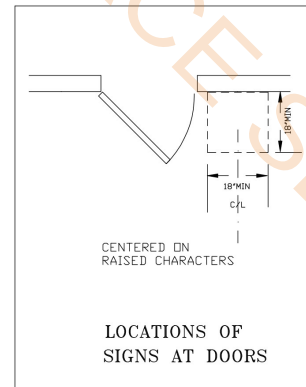
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1.0 EA 



TOILET RM ELEVATIONS

HANDICAP TOILET REQUIREMENTS

MUST MEET ALL STATE ACCESSIBILITY REQUIREMENTS

INSULATE HOT WATER PIPES UNDER SINK.

ANY OPERABLE ACCESORIES TO BE MOUNTED NOT HIGHER THAN 48' ABOVE FIN FLOOR AND NO LOWER THAN 15' AFF.

LAVATORY WITH GOOSE NECK AND LEVER TYPE HANDLES. INSTALL NON SCALDING VALVE ON FAUSET WITH WATER TEMPERATURE NOT TO EXCEED 110 DEGREE F.

GRAB BARS TO WITHSTAND MIN 300LBS STATIC WEIGHT
FOR A PERIOD OF 5 MINUES, WITH FULL RECOVERY.

MIN 1 1/2" CLEARANCE FOR HANDRAILS BETWEEN WALL AND RAIL
THRESHOLD AT THE DOOR TO BE MAX 1/2" HIGH, ANY LEVEL
CHANGE IN FLOORS TO BE SLOPED AT NO GREATER THAN 1 IN 12.

MAXIMUM DEPTH OF ALL ACCESSIBLE
SINKS AND LAVATORIES TO BE
SIX AND ONE-HALF (6 $\frac{1}{2}$ ') INCHES.

WATER DISPENSER CONTROLS SHALL BE USABLE WITH ONE HAND AND WITHOUT TIGHT GRASPING, PINCHING, TWISTING OF THE WRIST OR MORE THAN FIVE POUND FORCE.

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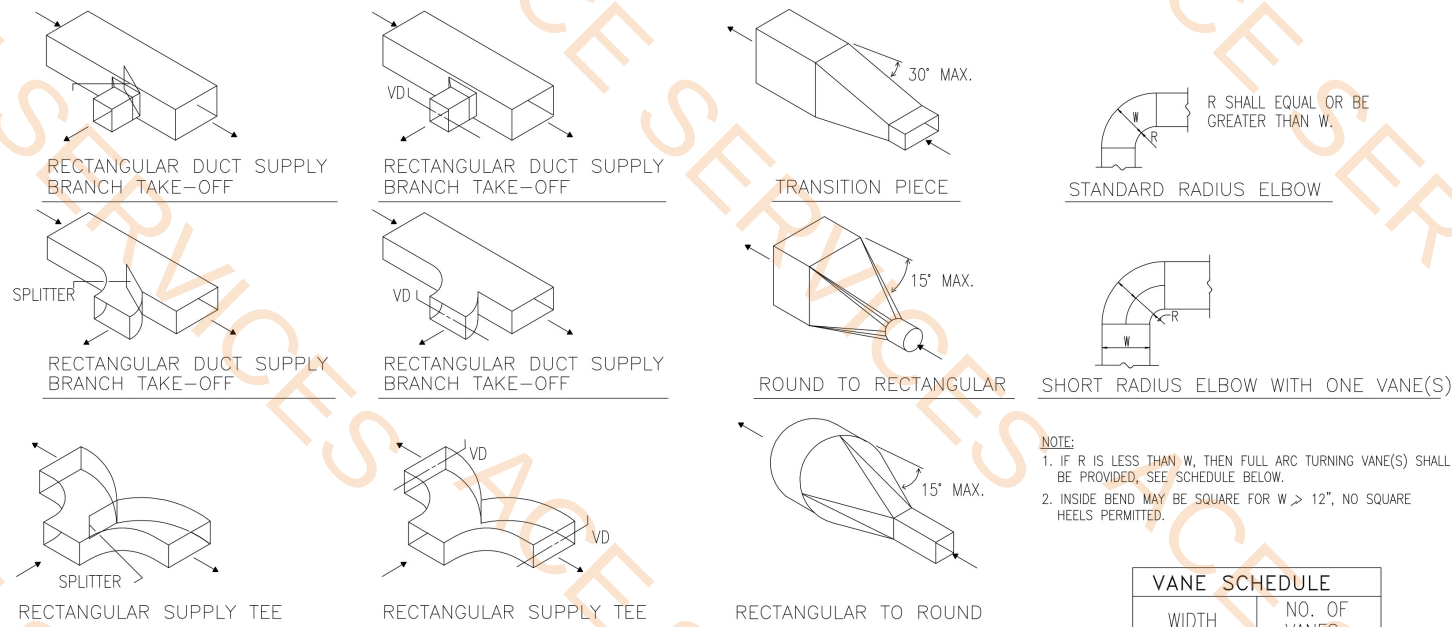
ROOM ADDITION
ISLAMIC FOUNDATION
300 W. HIGH RIDGE ROAD
VILLA PARK, ILLINOIS 60181

NO.		REVISION		DATE	

DRAWN BY		MK	
CHECKED BY		SZ	
PROJECT NO.		25338	
DATE:		03/01/25	

A4

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TYPICAL DUCT DETAILS
NOT TO SCALE

• 200CFM (1'-10" x 1'-10") Diffuser	3.0 EA
• 100CFM (1'-3" x 8") Diffuser	2.0 EA
• (1'-10" x 1'-10") RA Grill	1.0 EA
• 400 CFM (1'-3" x 1'-3") Exhaust Grill	1.0 EA
• 75 CFM (1'-3" x 1'-3") Exhaust Grill	1.0 EA
• 8" Dia Duct	27.8 FT
• 12" Dia Duct	2.0 FT
• 10" Dia Duct	20.9 FT
• 6" Dia Duct	1.8 FT
• RTU	1.0 EA
• (1'-5" x 8") RA Grill	2.0 EA
• Volume Dampers	10.0 EA
• 8" Dia RA Duct Pipe	35.6 FT

VENTILATION SCHEDULE

ROOM NAME	FLOOR AREA SQ.FT	OCC. LOAD	NATURAL VENTILATION	MECHANICAL VENTILATION		REMARKS
				ORDINANCE REQUIREMENT SUPPLY (CFM)	PLAN REQUIREMENT SUPPLY (CFM)	
VIEWING ROOM	170	12		170	200	400 CFM EXH.
BODY WASH AREA	400	2		400	400	
OFFICE	60	1		60	100	
WASHROOM	90	-		90	100	75 CFM EXH.

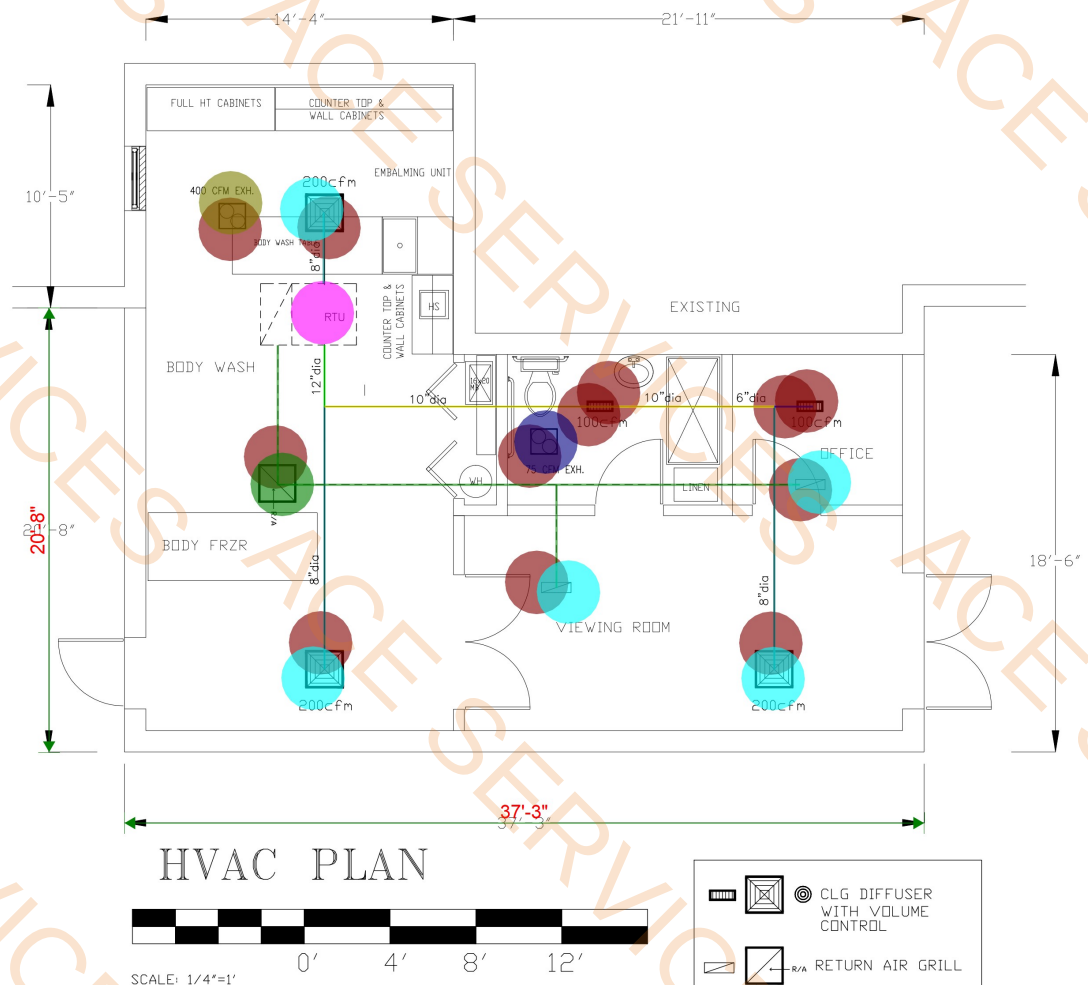
DUCTS SHALL BE SUPPORTED WITH APPROVED HANGERS AT INTERVALS NOT EXCEEDING 10 FEET OR BY OTHER APPROVED DUCT SUPPORT SYSTEMS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE. FLEXIBLE AND OTHER FACTORY-MADE DUCTS SHALL BE SUPPORTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

THE HVAC SYSTEM SHALL BE PROVIDED WITH AUTOMATIC CONTROLS, WHICH SETBACK THE HEAT TO 55 DEGREES AND THE COOLING TO 85 DEGREES; HAVE A SEVEN DAY CLOCK, HAVE A TWO HOUR OCCUPANT OVERRIDE AND A TEN HOUR BATTERY BACK-UP.

LONGITUDINAL SEAMS OF RIGID DUCTS AND TRAVERSE SEAMS ON ALL DUCTS SHALL BE SEALED WITH TAPES OR MASTICS IN ACCORDANCE WITH UL 181A OR UL 181B.

BOTH MECHANICAL FASTENERS AND SEALANTS SHALL BE USED TO CONNECT DUCTWORK TO THE AIR DISTRIBUTION EQUIPMENT.

PRIOR TO FINAL INSPECTION, AN AIR BALANCE REPORT MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL. THE REPORT MUST INCLUDE OUTSIDE AIR BROUGHT INTO THE BUILDING AS WELL AS THE EXHAUST AIR REMOVED FROM THE BUILDING.



ALL AIR HANDLING UNITS WITH A RETURN DESIGN CAPACITY OF 2000CFM OR GREATER SHALL HAVE SMOKE DETECTORS INSTALLED IN THE RETURN PLENUM TO SHUTDOWN THE AIR DISTRIBUTION SYSTEM UPON ACTIVATION. THE SMOKE DETECTION SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM.

TEST AND BALANCE ALL THE HVAC SYSTEMS! A COPY OF TEST AND BALANCE REPORT, PERFORMED BY A THIRD PARTY, CERTIFIED TEST BALANCE CONTRACTOR, SHALL BE SUBMITTED TO THE VILLAGE PRIOR TO THE FINAL INSPECTION.

DUCTS SHALL BE SUPPORTED WITH APPROVED HANGERS AT INTERVALS NOT TO EXCEED 10' OR BY OTHER APPROVED DUCT SUPPORT SYSTEMS DESIGNED IN ACCORDANCE WITH THE BUILDING CODES.

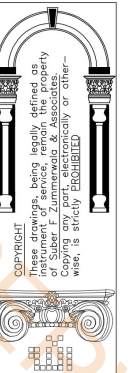
ALL MECHANICAL DUCTWORK, SUPPLY AND RETURN AIR DUCTS AND PLENUMS, INSTALLED IN AN UNCONDITIONAL SPACE AND WHERE LOCATED OUTSIDE OF THE BUILDING, SHALL BE INSULATED WITH MATERIALS HAVING A MINIMUM THERMAL RESISTANCE RATING OF R-12.

PROVIDE AN AUTOMATIC DAMPER ON OUTSIDE AIR INTAKE DESIGNED TO OPERATE WHILE BUILDING IS OCCUPIED.

PROVIDE 20% OUTDOOR FRESH AIR

DUCT SIZES CHART

AIR QUANTITY	ROUND DUCT	RECTANGLE DUCT
100cfm	6"dia	8"x6"
125-175cfm	8"dia	8"x8"
200cfm	8"dia	8"x8"
225-250cfm	9"dia	8"x8"
300-350cfm	10"dia	8"x10"
400cfm	10"dia	8"x12"-10"x10"
450-500cfm	12"dia	8"x14"-10"x10"
600cfm	12"dia	8"x14"-10"x12"
700cfm	12"dia	8"x16"-10"x14"
800cfm	14"dia	8"x20"-10"x16"
900cfm	14"dia	8"x22"-10"x18"
1000cfm	16"dia	8"x24"-10"x20"
1200cfm	16"dia	8"x28"-10"x22"
1400cfm	18"dia	12"x22"-10"x26"
1600cfm	18"dia	12"x24"-10"x28"
1800cfm	20"dia	12"x26"-10"x32"
2000cfm	20"dia	12"x28"-10"x34"
2500cfm	22"dia	12"x32"-10"x40"
3000cfm	24"dia	12"x36"-14"x32"
3500cfm	26"dia	12"x42"-14"x38"
4000cfm	28"dia	14"x44"-16"x38"



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ROOM ADDITION
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- WHEREVER CIRCUIT CONDUCTORS ARE SPliced IN A BOX, ANY EQUIPMENT GROUNDING CONDUCTORS ASSOCIATED WITH THESE CIRCUITS MUST BE BONDED ("PIGTAINED") TO THE BOX PER NEC250.148.
- ARC-FLASH HAZARD WARNING MARKINGS SHALL BE PROVIDED ON ELECTRICAL EQUIPMENT LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE WHILE ENERGIZED TO WARN QUALIFIED PERSON OF POTENTIAL ELECTRIC ARC FLASH HAZARDS IN ACCORDANCE WITH NEC110.16.
- ILLUMINATION SHALL BE PROVIDED FOR ALL WORKING SPACES ABOUT ELECTRICAL EQUIPMENT AND THAT THE ILLUMINATION SHALL NOT BE CONTROLLED BY AUTOMATIC MEANS ONLY PER NEC110.26(D).
- ALL SERVICE DISCONNECT SHALL BE PERMANENTLY MARKED TO IDENTIFY IT AS THE SERVICE DISCONNECT.
- ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRICAL EQUIPMENT AND THAT REQUIRED WORKING SPACE SHALL NOT BE USED FOR STORAGE PER NEC110.26(A),(B),(C).
- THE PANEL DIRECTORIES SHALL HAVE SUFFICIENT DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS AND THE PANEL LABEL(S) SHALL INCLUDE THE SOURCE OF FEED PER NEC408.4

GROUNDING ELECTRODE CONDUCTOR TO BE 3/0 AS PER 2011 NEC.

- Duplex Outlet GFCI Ground Fault Interrupter
- Wall Switch
- Lighted Exit Sign

- Emergency Lights w/ Battery Back-up w/ Auto Charge
- 2 x 2 Floor Light Fixture w/ Diffuser Lense LED Lamps
- Occupancy Sensor Switch

- Exterior Lights Damp Proof LED Lamps
- 20/1 Circuit Breaker
- 40/3 Circuit Breaker

- Exhaust Fan
- Exterior Lights Damp Proof LED Lamps/GFCI

ALL EMERGENCY AND EXIT SIGNS SHALL BE WITH 90 MIN. BATTERY BACK-UP PER CODE. STORAGE BATTERIES USED AS A SOURCE OF POWER FOR EMERGENCY SYSTEMS SHALL BE SUITABLE RATING AND CAPACITY TO SUPPLY AND MAINTAIN THE FLOOR LOAD FOR A PERIOD OF 90 MIN.

RENEWABLE FUSES SHALL NOT BE PERMITTED.

THE MINIMUM SIZE CONDUCTOR SHALL BE 12.

VERIFY AN ELECTRICAL DISCONNECT FOR THE RTU UNIT WITHIN 25' OF THE ROOF TOP HVAC EQUIPMENT.

ALL ELECTRICAL EQUIPMENTS SHALL BE LISTED OR LABELED BY THE UNDERWRITERS LABORATORIES.

EMERGENCY LIGHTING SHALL BE WIRED ON LOCAL CIRCUITS AHEAD OF ANY SWITCHING DEVICES.

ALL RECEPTACLES IN THE FOOD PREP AREAS SHALL BE GROUND FAULT PROTECTED(GFI).

ALL CONDUITS CONTAINING BRANCH CIRCUITS OR FEEDERS SHALL HAVE AN EQUIPMENT GROUND WIRE. EMERGENCY POWER SYSTEM SHALL AUTOMATICALLY PROVIDE SECONDARY POWER WITHIN 10 SECONDS AFTER PRIMARY IS LOST. SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR.

EMERGENCY LIGHTING SHALL HAVE 2 HEADS(2-LAMPS, 2-LED DRIVER, ETC) AND ALL EMERGENCY LIGHTING SHALL BE INSTALLED ON THE SAME BRANCH CIRCUIT THAT SUPPLIES NORMAL LIGHTING IN THE AREA OF THE EMERGENCY LIGHTING, AHEAD OF ANY LOCAL LIGHTING IN ACCORDANCE WITH THE 2017 NEC 700.12(F) AND 408.4.

EXIST SIGN SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED AND SHALL BE ILLUMINATED AT ALL TIMES.

EXIT SIGN SHALL HAVE LETTERS AND CHEVRONS IN UNIFORM COLOR THROUGHOUT THE ENTIRE BUILDING.

EXIT SIGN PLACEMENT SHALL BE SUCH THAT ANY POINT OF EGRESS PATH IS WITHIN 100 FEET OR THE LISTED VIEWING DISTANCE OF THE SIGN, WHICHEVER IS LESS, FROM THE NEAREST VISIBLE EXIT SIGN.

ALL LAY-IN CEILING FIXTURES SHALL BE SECURELY FASTENED TO THE SUSPENDED CEILING GRID PER 2017 NEC SECTION 410.36(B).

ELECTRICAL CONTRACTOR TO VERIFY EXISTING SERVICE AND UPGRADE IF REQUIRED FOR THE ADDED SUB-PANEL LOAD.

ELECTRICAL KEY

⊕ DUPLEX OUTLET GFCI
GROUND FAULT INTERRUPTER

⊗ WALL SWITCH

⊗3 THREE-WAY SWITCH

⊕ EXHAUST FAN

⊕ DUPLEX OUTLET
GROUND FAULT INTERRUPTER

PANEL 100A
PANEL BOX

VERIFY
GROUND AS PER NEC
& LOCAL CODES

- EXHAUST FAN
- LIGHTED EXIT SIGN
- LED LIGHTED EXIT SIGN COMBO
EMERGENCY LIGHTS WITH
BATTERY BACK-UP W/ AUTO CHARGE
PER NEC12
- EMERGENCY LIGHTS WITH
BATTERY BACK-UP W/ AUTO CHARGE
PER NEC12
- 2X4 FLUOR LIGHT FIXTURE
W/ DIFFUSER LENSE
LED LAMPS
- 2X2 FLUOR LIGHT FIXTURE
W/ DIFFUSER LENSE
LED LAMPS
- OCCUPANCY SENSOR SWITCH
- EXTERIOR LIGHTS
DAMP PROOF
LED LAMPS

NOTES:

IN ORDER TO MEET 2021 IECC ADOPTED ENERGY CONSERVATION CODE, THE FOLLOWING MINIMUM REQUIREMENTS, AND ALSO ALL COM-CHECK REQUIREMENTS:

EACH ROOM SHALL HAVE A MINIMUM OF TWO SWITCHES OR AN OCCUPANCY SENSOR WHERE MULTIPLE FIXTURES WITH MULTIPLE LAMPS ILLUMINATE THE AREA TO PROVIDE UNIFORM LIGHT REDUCTION CAPABILITIES.

AN AIR ECONOMISER SHALL BE INCLUDED FOR ALL ROOFTOP HVAC UNITS EXCEEDING 135,000 btu/hr.

ALL LIGHTING FIXTURES SHALL BE 120 VOLT (V.M.O.)

ALL LIGHTING FIXTURES SHALL BE FURNISHED W/ ENERGY EFFICIENT(LED) LAMPS.

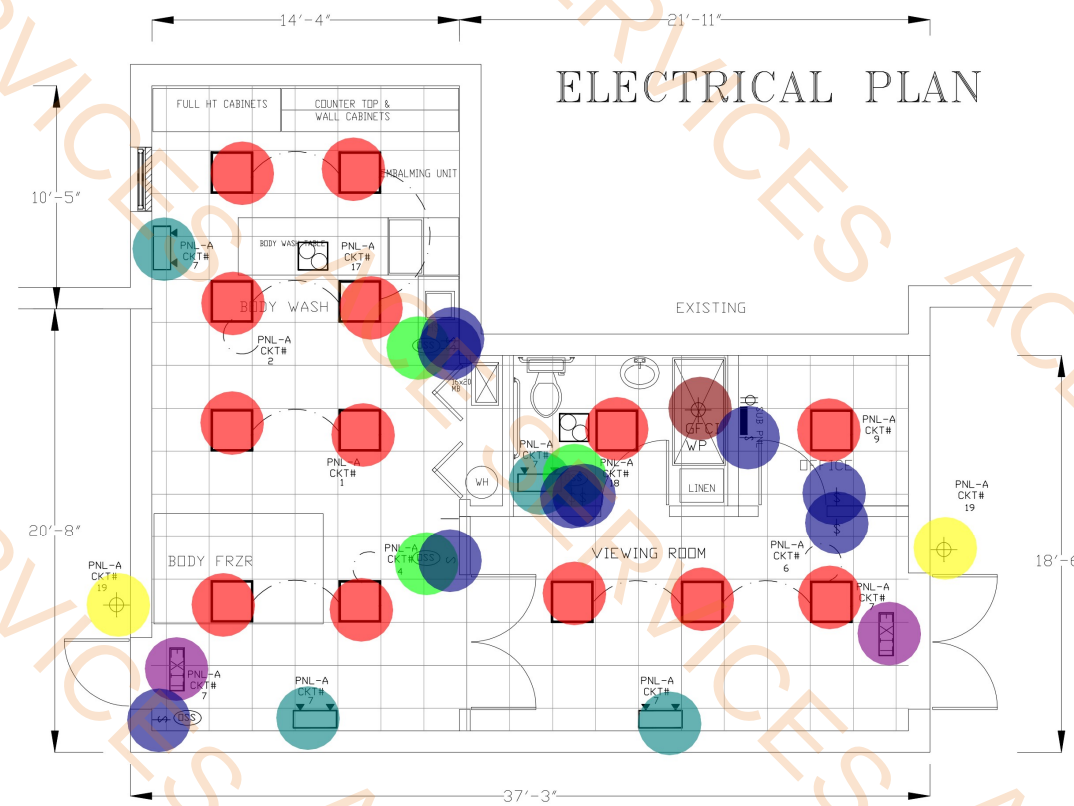
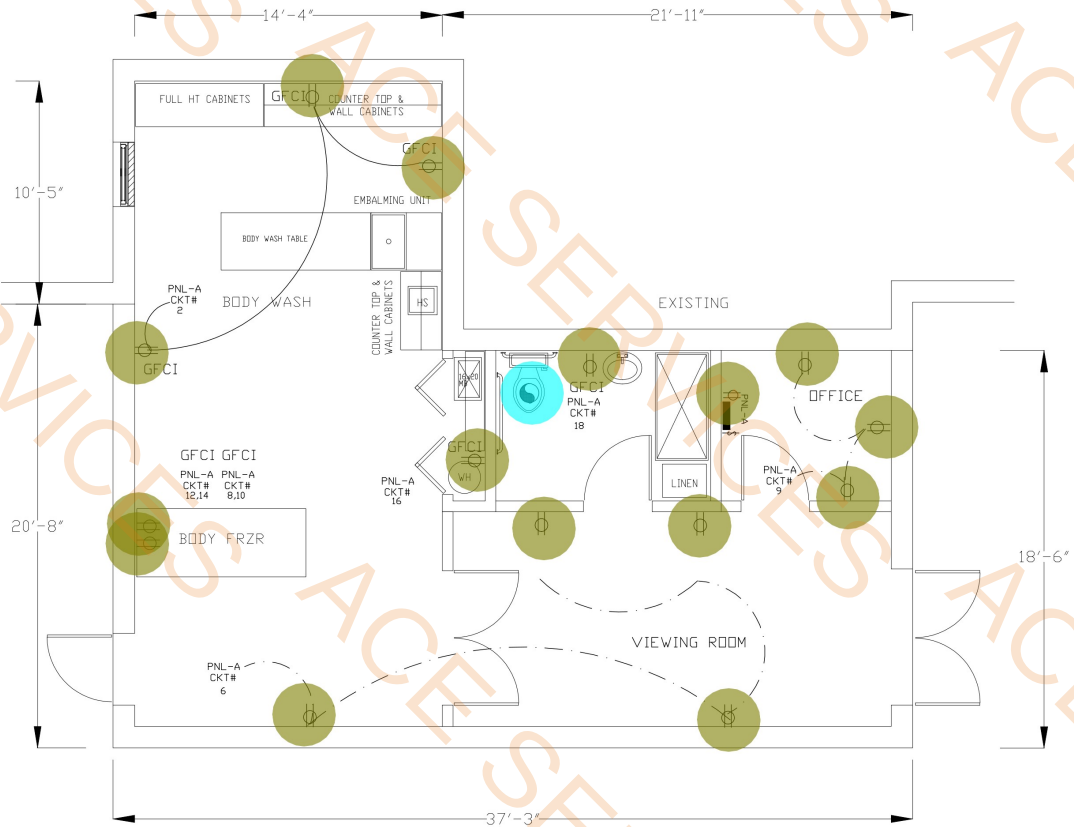
ALL EXTERIOR FIXTURES SHALL BE RATED FOR EXTERIOR DAMP LOCATIONS

ALL WINDOWS AND GLASS DOORS GLAZING, U 0.32 OR LESS

PANEL-A 100A 100A/240V 3P-4W 20 POLE

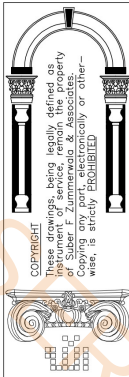
ITEM	BRKR	CRCT	A	B	C	CRCT	BRKR	ITEM
LIGHTS	20/1	1	●			2	20/1	LIGHTS
SPARE		3		●		4	20/1	LIGHTS
RTU-GFI		5			●	6	20/1	LIGHTS
EMERG/NITE LT		7	●			8	20/1	BODY FREEZER
OFFICE		9		●		10	20/1	BODY FREEZER
RTU		11			●	12	20/1	BODY FREEZER
		13	●			14	20/1	WATER HEATER
		15		●		16	20/1	WASHROOM
EXH FAN	20/1	17			●	18	20/1	SPARE
EXTERIOR LITES		19	●			20	20/1	SPARE

* EMERG LIGHTS-PROVIDE LOCKABLE BREAKER



LIGHTING PLAN

SCALE: 1/4"=1'
0' 4' 8' 12'



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Roseville, IL 60172
DESIGN FIRM LIC. NO. 184-004407

ROOM ADDITION
ISLAMIC FOUNDATION
300 W. HIGH RIDGE ROAD
VILLA PARK, ILLINOIS 60181

NO.	REVISION	DATE

DRAWN BY: MK
CHECKED BY: SZ
PROJECT NO: 25338
DATE: 03/01/25

E1

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ALL SEATS AND WATER CLOSETS SHALL BE OF OPEN -END TYPE.
THE TOILET ROOM DOOR SHALL BE WITH AUTOMATIC SELF CLOSING.
ACRYLIC NAILS SHALL NOT BE USED.
SANITIZING OF PEDICURE STATIONS AS PER HEALTH DEPARTMENT REQUIREMENTS.

ALL FIXTURES AND FLOOR DRAINS MUST BE VENTED PER CODE SECTION 890.510
STACK TEST WITH AIR OR WATER IS REQUIRED ON ALL ROUGH AND UNDERGROUND PLUMBING

ALL NEW PLUMBING MUST MEET STATE AND LOCAL CODES
ISOLATION VALVES REQUIRED ON WATER PIPE AS PER STATE CODE SECTION 890.1190
SHT-OFF VALVES MUST BE INSTALLED ON BOTH STREET SIDE AND THE HOUSE SIDE OF THE METER

WET VENTING,STACK VENTING AND CIRCUIT AND LOOP VENTING ARE NOT ALLOWED
FIXTURE SUPPLIES TO BE OF METALLIC MATERIAL ONLY
WATER HEATER TO BE HARD PIPED, NO FLEXIBLE CONNECTIONS

MATERIAL SPECIFICATIONS:

UNDERGROUND W & V

4" CAST IRON.

ABOVEGROUND W & V

PVC SCHEDULE 40- NO CELL CORE OR COPPER M,L,K

ABOVEGROUND STORM

PVC SCHEDULE 40, OR GALVANIZED PIPE

UNDERGROUND WATER

COPPER K

ABOVEGROUND WATER

COPPER K,L

MINIMUM UNDERGROUND WASTE=4"

MINIMUM UNDERGROUND VENT= 2"

VERIFY PLUMBING REQUIREMENTS FOR ALL EQUIPMENTS AND FIXTURES.
ALL EQUIPMENTS AND FIXTURES MUST BE INSTALLED STRICTLY FOLLOWING MANUFACTURER'S PRINTED INSTRUCTIONS.
USE MANFR TEMPLATES TO VERIFY EXACT LOCATIONS AND CONNECTIONS.

COVERED WASTE CANS ARE REQUIRED IN ALL REST ROOMS.
ALL TOILETS PERMANENT COUNTER/ CABINETS MUST BE SEALED TO FLOORS AND WALLS WITH A SILICONE SEALANT.
INSTALL ANTI-SIPHON DEVICES ON TOILET TANKS.
INSTALL SOAP AND PAPER TOWEL DISPENSER AND DISPOSAL FOR HAND SINK.

IF SINKS ARE PROVIDED WITH SPRING- LOADED FAUCETS, THE FAUCETS MUST REMAIN RUNNING FOR A MINIMUM OF 15 SECONDS.

ALL WATER(AIR) LINES, WASTE AND VENT(STACK) PIPING AND GAS(PRESSURE) LINES SHALL BE TESTED TO ENSURE THEY ARE IN PROPER CONDITION.

VERIFY COMPATIBILITY OF PIPING, FITTINGS ETC MATERIALS TO AVOID GALVANIC CORROSION. DISSIMILAR METALS MAY NOT BE USED IN THE SAME PLUMBING SYSTEM WITHIN CLOSE PROXIMITY, ESPECIALLY TOUCHING EACH OTHER.

ALL PVC PIPING IN THE BUILDING SHALL BE SCHEDULE 40 PURPLE PRIMER REDUCED AT ALL CONNECTIONS.

ALL NEW PLUMBING FIXTURES SHALL BEAR THE "WATER SENSE" LABEL (PER THE U.S. ENVIRONMENTAL AGENCY)WHERE SAID FIXTURES ARE ELIGIBLE FOR SUCH LABEL.

ALL SEATS FOR WATER CLOSETS PROVIDED FOR PUBLIC USE SHALL BE AN ANTIMICROBIAL PLASTIC MATERIAL AND AN OPEN-FRONT STYLE, EXCEPT THAT CLOSED FRONT SEAT MAY BE PROVIDED IF THE SEAT IS ENCASED WITH A CONTINUOUS PLASTIC SLEEVE ENSURING A CLEAN SURFACE FOR EVERY USER. NO WATER CLOSET SEAT SHALL BE MORE THAN 1-1/2" THICK OR HAVE A LID.

ALL LAVATORY FAUCETS FOR PUBLIC USE SHALL BE PROVIDED WITH AN AUTOMATIC SAFETY WATER MIXING DEVICE ADJUSTED TO MAXIMUM SETTING OF 110 DEGREES FAHRENHEIT, AT THE TIME OF INSPECTION.

UNUSED SECTIONS OF WATER SERVICE OR WATER DISTRIBUTION PIPING ("DEAD ENDS"), WHERE THE WATER IN THE PIPING MAY BECOME STAGNANT, ARE PROHIBITED. A DEVELOPED LENGTH OF MORE THAN 2 FEET SHALL BE CONSIDERED AS "DEAD END."

DEAD ENDS SHALL BE AVOIDED IN A DRAINAGE SYSTEM, EXCEPT WHERE NECESSARY TO EXTEND THE SYSTEM TO INSTALL A CLEAN-OUT IN AN ACCESSIBLE LOCATION. A DEAD END INTENDED FOR FUTURE CONNECTION EXTENDING THAT IS MORE THAN 2 FEET ABOVE A FLOOR OR MORE THAN 10 FEET HORIZONTALLY FROM THE NEAREST VENTED CONNECTION SHALL HAVE A VENTED CONNECTION TO OUTSIDE ATMOSPHERE.

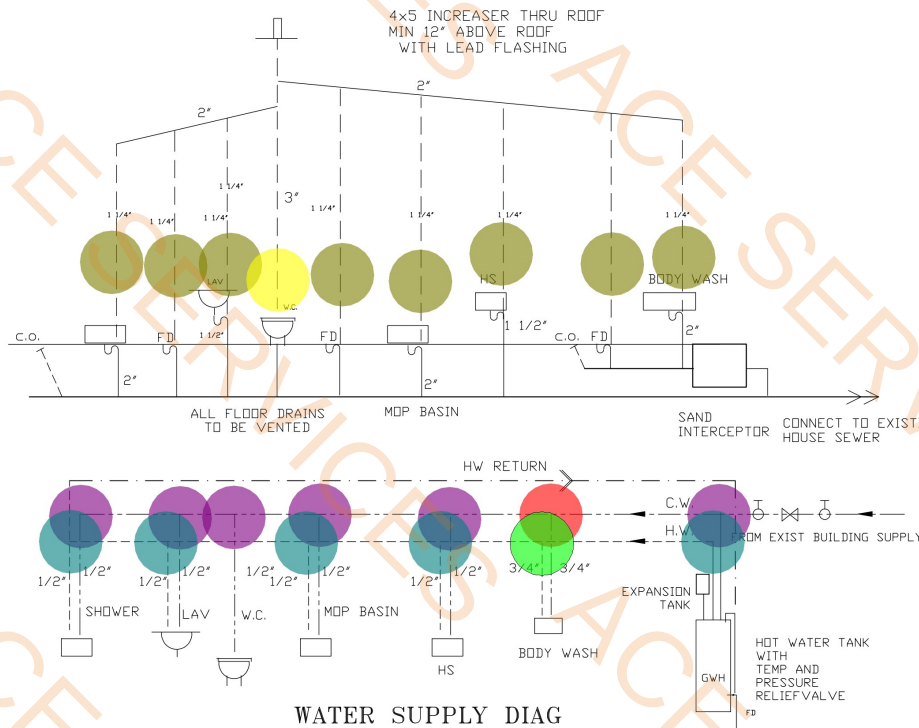
ABOVE GROUND WATER PIPING SHALL BE TYPE M OR L COPPER, OR CVPC.

UNDERGROUND VENT SHALL BE A MINIMUM OF 2 INCHES(3 INCHES AT EJECTOR PIT), AND UNDERGROUND WASTE SHALL BE A MINIMUM OF 4 INCHES.

CLEANOUTS ON CONCEALED PIPING SHALL BE EXTENDED THROUGH AND TERMINATE FLUSH WITH THE FINISHED FLOOR OR WALL, OR FITS AND CHASES MAY BE LEFT IN THE WALL OR FLOOR, PROVIDED THEY ARE OF SUFFICIENT SIZE TO PERMIT REMOVAL OF THE PLUG AND CLEANING OF THE SYSTEM.

WATER CLOSET BOWLS FOR PUBLIC USE SHALL BE THE ELONGATED TYPE, AND SEAT SHALL BE AN ANTIMICROBIAL PLASTIC OPEN FRONT SEAT WITH NO LID.

APPROVED BACKFLOW PREVENTERS OR VACUUM BREAKERS SHALL BE INSTALLED WITH ALL PLUMBING FIXTURES AND EQUIPMENT THAT MAY HAVE A SUBMERGED POTABLE WATER SUPPLY OUTLET AND THAT ARE NOT PROTECTED BY A MINIMUM FIXED AIR GAP.



WATER SUPPLY DIAG

BODY WASH SINK WITH A SEPARATE HAND-HELD FLEXIBLE SPRAY. INSTALL WALL HOOK.
THERMOSTATIC MIXING VALVE AND VACCUUM BREAKER

INSTALL MOP SINK WITH A DRAIN AND A HOT & COLD WATER CONNECTION,WITH BACK FLOW PROTECTION.
INSTALL MOP HANGER, SERVICE FAUCET WITH VACCUUM BREAKER AT 7'-6" AFF
INSTALL SEALANT RAOUND THE WALL, AND PROVIDE VINYL COATED SHELF FOR SUPPLIES

RESTROOM FAUCETS TO BE LEVER TYPE OR, IF AUTOMATIC WITH LOW VOLTAGE OR DIRECT HARDWIRED UNITS. BATTERY OPERATED OR METERED FAUCETS WILL NOT BE APPROVED

INSTALL VACCUUM BREAKER FOR MOP SINK @ 7'-6" AFF.

ALL NEW FIXTURES AND FAUCETS SHALL HAVE THE "WATER SENSE" LABEL.

PVC DRAIN AND VENT PIPING SHALL BE SCHEDULE 40 PVC ASTM 2665(NO CELLULAR CORE) PIPE.

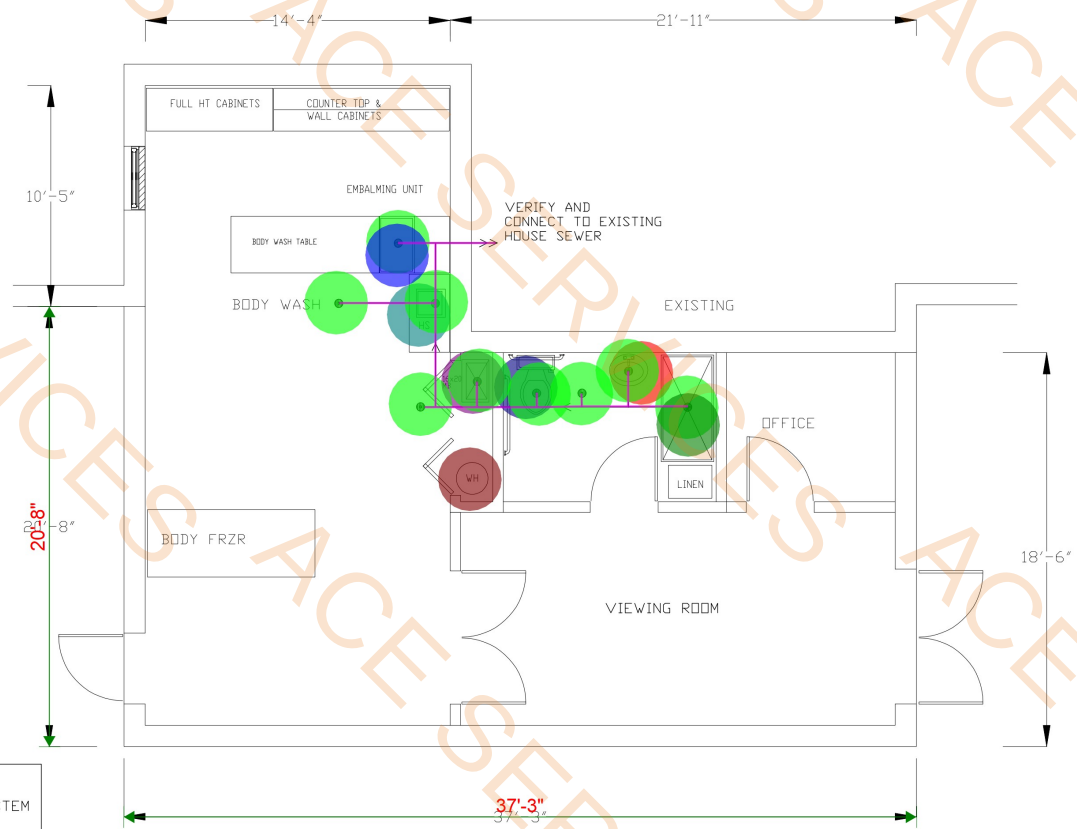
NEW PUBLIC LAVATORY FAUCETS SHALL HAVE THE THERMOSTATIC MIXING VALVES ASSE 1017 COMPLIANT SET TO A MAXIMUM OF110 DEGREES AND A MINIMUM OF 85 DEGREES.

120 DEGREE MINIMUM HOT WATER SHALL BE SUPPLIED TO THE DISHWASHER,PRE-RINSE SINK, THREE COMPARTMENT SINK, PREP SINKS, SERVICE SINK, AND ANY OTHER SINKS THAT REQUIRES HOT WATER FOR SANITIZING.

INSTALL ISOLATION VALVES TO EACH BRANCH LINE OF WATER SUPPLY, AS PER 2014 ILLINOIS PLUMBING CODE SECTION 890.1190(F), NO MORE THAN TWO ADJOINING ROOMS SHALL BE SERVED WITH ONLY ONE SET OF LINE VALVES.

INSTALL DEDICATED WATER SUPPLIES WITH RPZs COMPLYING WITH ASSE 1013-2011 FOR CHEMICAL/SDAP FEEDER SYSTEMS IF UTILIZED AT THE SERVICE SINK.

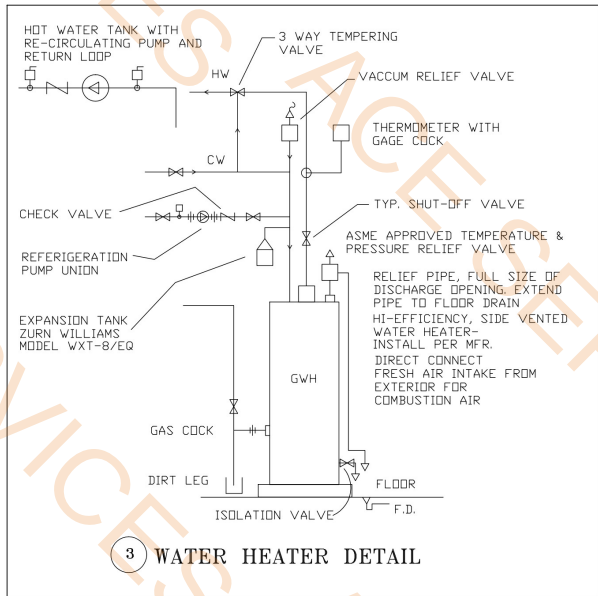
INSTALL SHUT-OFF VALVES TO ALL FIXTURES.



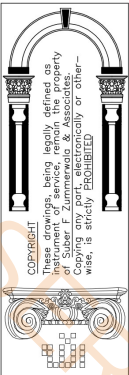
PLUMBING PLAN



SCALE: 1/4"=1'



- WC
- 16 x 20 MB, Mop Basin
- HS
- Lavatory
- Floor Drain
- Basin
- 4" Dia Waste Water Pipes
- Water Heater + Expansion Tank
- Bath Tub
- Waste/Vent Risers
- 1/2" Cold Water Risers
- 1/2" Hot Water Risers
- 3/4" Cold Water Riser
- 3/4" Hot Water Riser
- 3" Vent Riser/Waste Riser



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