PROPOSED HOUSE OF WORSHIP FOR:

# CONG TOREI ZAHAV ANSHEI CHESED

62 LIME KILN ,
VILLAGE OF WESLEY HILLS
ROCKLAND COUNTY, NEW YORK

INDEX



RELEASE DATE:

6/29/2023
11-2-2023 REVISED AS PER CLIENT
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THIRD PARTY PLANS NOTES:

**SPRINKLER**: A SPRINKLER PLAN SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT INCLUDING REQUIRED ROOM SIZE AND CLEARANCES (ENTIRE BUILDING TO BE SPRINKLED) AND SHALL BE APPROVED BY THE BUILDING DEPARTMENT PRIOR TO INSULATION

**HVAC & EMP**: A MECHANICAL PLAN WHICH INCLUDES HVAC, MECHANICAL, PLUMBING, PLUMBING RISER DETAIL, FUEL RISER DETAIL AND FUEL GAS RISER PLANS COMPLYING WITH THE INTERNATIONAL MECHANICAL, PLUMBING, FUEL GAS, AND BUILDING CODE SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND SHALL BE APPROVED BY THE BUILDING DEPARTMENT PRIOR TO INSULATION OF ANY MECHANICAL SYSTEMS.

MECHANICAL ENGINEER TO PROVIDE MAINTENANCE INFORMATION AND SYSTEM COMMISSIONING SPECIFICATIONS ACCORDING TO SECTION C408 OF THE ECCCNYS FOR ALL SPECIFIED MECHANICAL SYSTEM

**ELEVATOR**: A ELEVATOR PLAN SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND SHALL BE APPROVED BY THE BUILDING DEPARTMENT PRIOR TO INSULATION OF THE ELEVATOR

**STEEL**: PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL PROVIDE FABRICATION AND ERECTION DRAWINGS (SHOP DRAWINGS), SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK TO THE OWNER'S REPRESENTATIVE FOR APPROVAL. NO WORK SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS. CONTRACTOR TO HIRE A CERTIFIED THIRD PARTY TO DO THE STEEL ERECTION SPECIAL INSPECTION AND SHOULD CERTIFY THE STEEL WELDING AND BOLTING ACCORDING TO SECTION 1704 OF THE NYS BUILDING CODE

SIGNAGE NOTES:

PROVIDE SIGNAGE FOR SPRINKLERS, STANDPIPES, AND ELEVATORS ACCORDING TO THE INC AND THEE NFPA

HOISTWAY NOTES:

DOOR OR WINDOW OPENINGS TO A HOISTWAY OR SHAFTWAY FROM THE INTERIOR OF THE BUILDING SHALL BE PLAINLY MARKED WITH THE WORD SHAFTWAY IN RED LETTERS NOT LESS THAN 6 INCHES HIGH ON A WHITE BACKGROUND. SUCH WARNING SIGNS SHALL BE PLACED SO AS TO BE READILY DISCERNIBLE.

FIRE IDENTIFICATION NOTES:

FIRE PROTECTION EQUIPMENT SHALL BE IDENTIFIED IN AN APPROVED MANNER ACCORDING TO SECTION 509.1 OF THE NYSFC. ROOMS CONTAINING CONTROLS FOR AIR-CONDITIONING SYSTEMS, SPRINKLER RISERS AND VALVES, OR OTHER FIRE DETECTION, SUPPRESSION OR CONTROL ELEMENTS SHALL BE IDENTIFIED FOR THE USE OF THE FIRE DEPARTMENT. APPROVED SIGNS REQUIRED TO IDENTIFY FIRE PROTECTION EQUIPMENT AND EQUIPMENT LOCATION SHALL BE CONSTRUCTED OF DURABLE MATERIALS, PERMANENTLY INSTALLED AND READILY VISIBLE.

INSPECTION NOTES:

OWNER OR OWNER'S AGENT SHALL HIRE A THIRD PARTY TO DO THE SPECIAL INSPECTIONS AS SPECIFIED IN CHAPTER 17 OF THE NYS BUILDING CODE. INSPECTIONS SHALL INCLUDE BUT NOT BE LIMITED TO SOILS, REINFORCED CONCRETE, EXCAVATION AND FILLING,

REINFORCED CONCRETE

- SLUMP, AIR CONTENT, AND TEMPERATURE TEST OF DESIGN MIX
- SIZE AND PLACEMENT OF REBAR
- SIZE AND PLACEMENT OF ANCHORS CAST IN CONCRETE
- SHAPE AND PLACEMENT OF REBAR

SOILS

- SOIL BEARING CAPACITY (SHALL BE 4000 PSF)
- MATERIAL AND LIFT THICKNESS OF COMPACTED SOIL.
- CAPACITY TEST OF COMPACTED FILL

THE THIRD PARTY SHALL SUBMIT ALL REPORTS AFTER EACH INSPECTION TO THE LOCAL BUILDING DEPARTMENT

SOIL BEARING CAPACITY SHALL BE 4000 PSF. CONTRACTOR TO SUBMIT SOIL TEST REPORT PRIOR OF POURING OF ANY CONCRETE

1704.3.1 CONTENT OF STATEMENT OF SPECIAL INSPECTIONS

THE STATEMENT OF SPECIAL INSPECTIONS SHALL IDENTIFY THE FOLLOWING:

1. THE MATERIALS, SYSTEMS, COMPONENTS AND WORK REQUIRED TO HAVE SPECIAL INSPECTIONS OR TESTS BY THE BUILDING OFFICIAL OR BY THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR EACH PORTION OF THE WORK.
2. THE TYPE AND EXTENT OF EACH SPECIAL INSPECTION.
3. THE TYPE AND EXTENT OF EACH TEST.
4. ADDITIONAL REQUIREMENTS FOR SPECIAL INSPECTIONS OR TESTS FOR SEISMIC OR WIND RESISTANCE AS SPECIFIED IN SECTIONS 1705.11, 1705.12 AND 1705.13.
5. FOR EACH TYPE OF SPECIAL INSPECTION, IDENTIFICATION AS TO WHETHER IT WILL BE CONTINUOUS SPECIAL INSPECTION, PERIODIC SPECIAL INSPECTION OR PERFORMED IN ACCORDANCE WITH THE NOTATION USED IN THE REFERENCED STANDARD WHERE THE INSPECTIONS ARE DEFINED.

THE NET CLEAR OPENING AREAS SHALL BE NOT LESS THAN THE MINIMUM REQUIRED SIZE OR DIMENSIONS.

WINDOW NOTES

EMERGENCY ESCAPE & RESCUE OPENINGS

-BASEMENTS WITH HABITABLE SPACE & EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPENABLE EMERGENCY ESCAPE & RESCUE OPENING.

-SILL HEIGHT SHALL NOT BE MORE THAN 44" ABOVE FINISH FLOOR

-WINDOW WELL REQUIREMENT FOR BELOW GRADE EMERGENCY & RESCUE OPENING SHALL BE AS FOLLOWS. HORIZONTAL DIMENSIONS THAT ALLOW THE DOOR OR WINDOW TO BE FULLY OPENED, W/ A MINIMUM NET CLEAR AREA OF 9 SF & A MINIMUM HORIZ. PROJECTION & WIDTH OF 36" (A LADDER OR STEPS SHALL BE PERMITTED TO ENCROACH A MAXIMUM OF 6" INTO THE REQUIRED DIMENSIONS OF THE WINDOW WELL.)

-WINDOW WELLS WITH A VERTICAL DEPTH GREATER THAN 44" SHALL BE EQUIPPED W/A PERMANENTLY AFFIXED LADDER OR STEPS.

-MIN. OPENING AREA-5.7 SQ. FT.

-GRADE FLOOR OPENINGS-5.0 SQ. FT.

-MIN. OPENINGS HGHT-24" -MIN. OPENING WIDTH-20"

PROVIDE TEMPERED GLAZING IN THE FOLLOWING ...

ALL GLAZING IN DOORS
ALL WINDOWS WITH BOTTOM EDGE LESS THAN 18" A.F.F.
ALL WINDOWS OVER HOT TUBS, BATHS, ETC...
ALL WINDOWS IN STAIRWAYS OR STAIRWAY LANDINGS

CONTRACTOR TO CHECK WITH WINDOW MANUFACTURER REP. TO VERIFY WINDOWS THAT REQUIRE TEMPER GLASS. CONTRACTOR TO VERIFY WINDOW QUANTITY AND DESIGNATION BEFORE ORDERING WINDOWS.

## RAMP NOTES:

- ALL RAMPS TO COMPLY WITH SECTION 1012 OF BUILDING CODE.
- THE CLEAR WIDTH OF A RAMP SHALL BE MINIMUM 44 INCHES AND THE CLEAR WIDTH BETWEEN HANDRAILS SHALL BE MINIMUM 36 INCHES,
- RAMPS SHALL NOT REDUCE IN WIDTH IN THE DIRECTION OF EGRESS TRAVEL. PROJECTIONS INTO THE REQUIRED RAMP AND LANDING WIDTH ARE PROHIBITED. DOORS OPENING ONTO A LANDING SHALL NOT REDUCE THE CLEAR WIDTH TO LESS THAN 42 INCHES
- THE RAMP LANDING LENGTH SHALL BE 60 INCHES MINIMUM.
- ALL RAMPS SHALL BE BUILT OF MATERIALS CONSISTENT WITH THE TYPES PERMITTED FOR THE TYPE OF CONSTRUCTION OF THE BUILDING, EXCEPT THAT WOOD HANDRAILS SHALL BE PERMITTED FOR ALL TYPES OF CONSTRUCTION.
- THE SURFACE OF RAMPS SHALL BE OF SLIP-RESISTANT MATERIALS THAT ARE SECURELY ATTACHED.
- OUTDOOR RAMPS AND OUTDOOR APPROACHES TO RAMPS SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.
- RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL HAVE HANDRAILS ON BOTH SIDES.
- EDGE PROTECTION: CURB, RAIL, WALL OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4-INCH- DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 INCHES OF THE FLOOR OR GROUND SURFACE.
- THE FLOOR OR GROUND SURFACE OF THE RAMP RUN OR LANDING SHALL EXTEND 12 INCHES (305 MM) MINIMUM BEYOND THE INSIDE FACE OF A HANDRAIL

## BATHROOM NOTES:

- ALL BATHROOMS FINISH MATERIALS TO COMPLY WITH SECTION 1210 OF NYS BUILDING CODE
- ALL BATHROOMS, WATER CLOSETS, GRAB BARS, DISPENSERS, SINKS, MIRRORS, AND URINALS TO COMPLY WITH SECTION 1109 OF THE IBC AND SECTION 6 OF THE ICC A117.1-2009

## EGRESS NOTES:

- EXIT DOOR HARDWARE TO COMPLY WITH SECTION 1010 OF NYS BUILDING CODE

## TRUSS NOTES:

- TRUSS MANUFACTURER TO DESIGN AND PROVIDE TO BUILDING DEPARTMENT 3 SETS OF FLOOR TRUSS AND ROOF TRUSS DRAWINGS SIGNED AND SEALED BY MANUFACTURER'S NYS LICENSED ENGINEER. TRUSS PLANS TO ALSO INCLUDE THE OPENING FOR ATTIC HATCHES, SKYLIGHTS, ATTIC STAIRS, CANTILEVER FLOOR TRUSSES, OR/AND TRUSSES SUPPORTING LOAD FROM ABOVE (IF APPLICABLE) AND SHOULD BE APPROVED BY THE BUILDING DEPARTMENT PRIOR TO INSTALLATION
- ANY ALTERATIONS TO TRUSSES MUST BE APPROVED BY THE TRUSS MANUFACTURER
- A FULL TRUSS REPORT, CERTIFIED BY THE LICENSED DESIGN PROFESSIONAL, SHALL BE SUBMITTED STATING THE INSTALLATION CONFORMS TO TRUSS DESIGN DRAWINGS, TRUSSES ARE UNALTERED FROM DESIGN AND ALL BRACINGS AND ATTACHMENTS ARE INSTALLED ACCORDING TO THE DRAWINGS PRIOR TO SCHEDULING FRAMING INSPECTION.
- ALL FLOOR TRUSSES AND GIRDER TRUSSES TO BE INSTALLED @ 16" O.C AND SHOULD ALIGN WITH STUD UNDERNEATH TO BE DESIGNED BY MANUFACTURE'S NYS LICENSED ENGINEER AND SHOULD COMPLY WITH THE LATEST NYS BUILDING CODE.
- TRUSS MANUFACTURER TO DESIGN ROOF TRUSS LOAD ACCORDING TO THE DESIGN CRITERIA ON SHEET SP-01 AND TABLE ON A-103
- TRUSS MANUFACTURER TO DETERMINE ALL CONCENTRATED AND UNIFORM LOADS TO BE SUPPORTED BY TRUSSES AT EFFECTED LOCATIONS
- ALL LVL BEAMS SUPPORTING TRUSSES CAN BE SUBSTITUTED WITH A GIRDER TRUSS AND SHOULD BE DESIGNED BY MANUFACTURER'S NYS LICENSED ENGINEER AND SUBMITTED (3) COPIES TO THE BUILDING DEPARTMENT PRIOR OF ISSUANCE OF C OF O.

OCCUPANT LOAD CALCULATIONS PER ROOM

| ROOM | SQ FT. | OCCUPANT LOAD PER S.F. | OCCUPANT LOAD PER ROOM |
|---|---|---|---|
| BASEMENT FLOOR | | | |
| PARTY ROOM | 3212 | 15 SF NET | 215 OCCUPANTS |
| WARMING KITCHEN | 502 | 200 SF GROSS | 3 OCCUPANTS |
| TOTAL OCCUPANTS FOR BASEMENT LEVEL | | | 218 OCCUPANTS |
| FIRST FLOOR | | | |
| ASSEMBLY ROOM #3 | 701 | 15 SF NET | 47 OCCUPANTS |
| LIBRARY | 708 | 100 SF GROSS | 7 OCCUPANTS |
| ASSEMBLY ROOM #4 | 321 | 15 SF NET | 22 OCCUPANTS |
| OFFICE | 120 | 100 SF GROSS | 2 OCCUPANTS |
| ASSEMBLY ROOM #1 | 2460 | 15 SF NET | 165 OCCUPANTS |
| ASSEMBLY ROOM #2 | 540 | 15 SF NET | 36 OCCUPANTS |
| TOTAL OCCUPANTS FOR FIRST LEVEL | | | 279 OCCUPANTS |
| TOTAL OCCUPANTS FOR ALL LEVELS | | | 497 OCCUPANTS |

## APPLICABLE NYS CODES:

A) 2020 BUILDING CODE OF NEW YORK STATE (BCNYS)
B) 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE (ECCNYS)
C) 2020 NYS PLUMBING CODE, MECHANICAL CODE, FIRE CODE AND FUEL GAS CODE

## CLASSIFICATION OF WORK:

NEW CONSTRUCTION

## CHAPTER 3-BUILDING DATA

GROUP A-3 ASSEMBLY

## CHAPTER 5

TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE

| OCCUPANCY | SPRINKLER | TYPE OF CONSTRUCTION | MAX. HEIGHT | ACTUAL HEIGHT |
|---|---|---|---|---|
| GROUP A-3 | YES | TYPE 5-B | 60' | 29' |

TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE

| OCCUPANCY | SPRINKLER | TYPE OF CONSTRUCTION | MAX. STORIES | ACTUAL STORIES |
|---|---|---|---|---|
| GROUP A-3 | YES | TYPE 5-B | 2 | 2 |

TABLE 506.2 ALLOWABLE AREA IN SQUARE FEET

| OCCUPANCY | SPRINKLER | TYPE OF CONSTRUCTION | MAX. AREA | ACTUAL AREA |
|---|---|---|---|---|
| GROUP A-3 | YES | TYPE 5-B | 18,000 | 15,423 |

## CHAPTER 6 TYPES OF CONSTRUCTION

TABLE 601

| BUILDING ELEMENT | TYPE V B |
|---|---|
| STRUCTURAL FRAME | 0 |
| BEARING WALLS EXTERIOR INTERIOR | 0 |
| NONBEARING WALLS AND PARTITIONS EXTERIOR | SEE TABLE 602 |
| NONBEARING WALLS AND PARTITIONS INTERIOR | 0 |
| FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS | 0 |
| ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS | 0 |

SECTION 602 FIRE RESISTANCE RATING OF EXTERIOR WALL

| WALL | FIRE SEPARATION DISTANCE FROM INTERIOR LOT LINE, CENTERLINE OF STREET OR IMAGINARY LINE BETWEEN TWO BUILDINGS | FIRE RATING REQUIRED | FIRE RATING PROVIDED |
|---|---|---|---|
| RIGHT | MORE THAN 30' | 0 | 0 |
| REAR | MORE THAN 30' | 0 | 0 |
| LEFT | MORE THAN 30' | 0 | 0 |
| FRONT | MORE THAN 30' | 0 | 0 |

## CHAPTER 7

TABLE 716.5 OPENING FIRE PROTECTION ASSEMBLIES

| | |
|---|---|
| 1 HR WALL SHAFTS & STAIRWAYS | 60 MINUTE FIRE RATED DOOR |
| 1 HR WALL ALL OTHER | 40 MINUTE FIRE RATED DOOR |
| 1 HR WALL EXTERIOR | 40 MINUTE FIRE RATED DOOR |

## CHAPTER 8 INTERIOR FINISHES:

TABLE 803.11 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

| | GROUP A-3 |
|---|---|
| VERTICAL EXITS AND PASSAGE WAYS | B |
| EXIT ACCESS CORRIDORS AND OTHER EXIT WAYS | B |
| ROOMS AND ENCLOSED SPACES | C |

## CHAPTER 9-FIRE PROTECTION SYSTEMS :

| | | |
|---|---|---|
| (903) | SPRINKLER SYSTEM | -REQUIRED |
| (905) | STAND PIPE | -NOT REQUIRED |
| (906.1) | PORTABLE FIRE EXTINGUISHERS | -REQUIRED |
| (907) | SMOKE AND FIRE DETECTION SYSTEM | -REQUIRED |
| (907.2.1) | PULL STATIONS * | -REQUIRED |
| (907.2.1.1) | EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM | -REQUIRED |

* EXCEPTION: MANUAL FIRE ALARM BOXES ARE NOT REQUIRED WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 AND THE OCCUPANT NOTIFICATION APPLIANCES WILL ACTIVATE THROUGHOUT THE NOTIFICATION ZONES UPON SPRINKLER WATER FLOW.

## CHAPTER 10 MEANS OF EGRESS:

SECTION 1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
2 EXITS REQUIRED >2 EXITS PROVIDED


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WRITTEN STATEMENT

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE AND THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AS CURRENTLY IN EFFECT.

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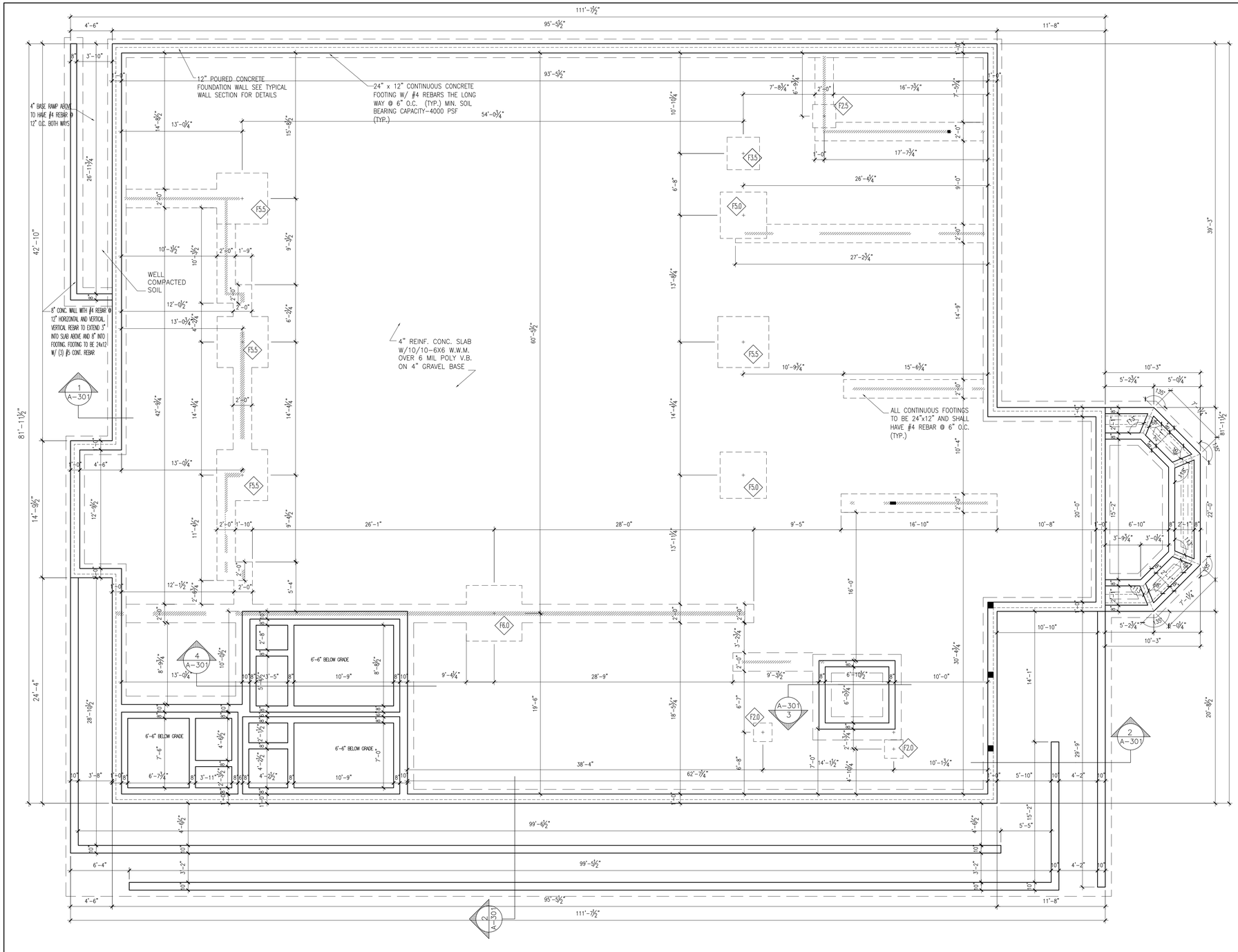
N-101

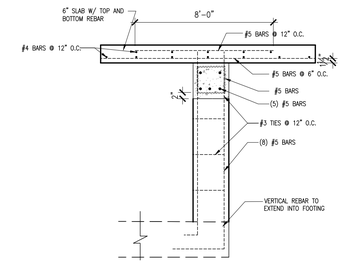



1 A-101 FOUNDATION PLAN

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

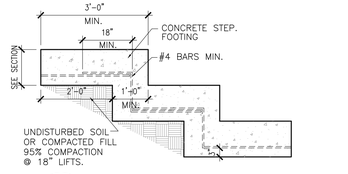
## FOOTING LEGEND

| | |
|---|---|
| F1.5 | 1'-6" x 1'-6" BY 12" THICK W/ #4 REBARS @ 6" O.C. BOTH WAYS BOTTOM |
| F2.0 | 2'-0" x 2'-0" BY 12" THICK W/ #4 REBARS @ 6" O.C. BOTH WAYS BOTTOM |
| F2.5 | 2'-6" x 2'-6" BY 12" THICK W/ #4 REBARS @ 6" O.C. BOTH WAYS BOTTOM |
| F3.0 | 3'-0" x 3'-0" BY 12" THICK W/ #4 REBARS @ 6" O.C. BOTH WAYS BOTTOM |
| F3.5 | 3'-6" X 3'-6" BY 12" THICK W/ #4 REBARS @ 6" O.C. BOTH WAYS BOTTOM |
| F4.0 | 4'-0" x 4'-0" BY 16" THICK W/ #4 REBARS @ 6" O.C. BOTH WAYS BOTTOM |
| F4.5 | 4'-6" x 4'-6" BY 16" THICK W/ #4 REBARS @ 6" O.C. BOTH WAYS BOTTOM |
| F5.0 | 5'-0" x 5'-0" BY 16" THICK W/ #4 REBARS @ 6" O.C. BOTH WAYS BOTTOM |
| F5.5 | 5'-6" x 5'-6" BY 16" THICK W/ #4 REBARS @ 6" O.C. BOTH WAYS BOTTOM |
| F6.0 | 6'-0" x 6'-0" BY 16" THICK W/ #4 REBARS @ 6" O.C. BOTH WAYS BOTTOM |




3 A-101 CONC. COLUMN DETAIL

SCALE: 1/2" =1'-0"




2 A-101 STEPPED FOOTING DETAIL

SCALE: 1/2" =1'-0"

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| | |
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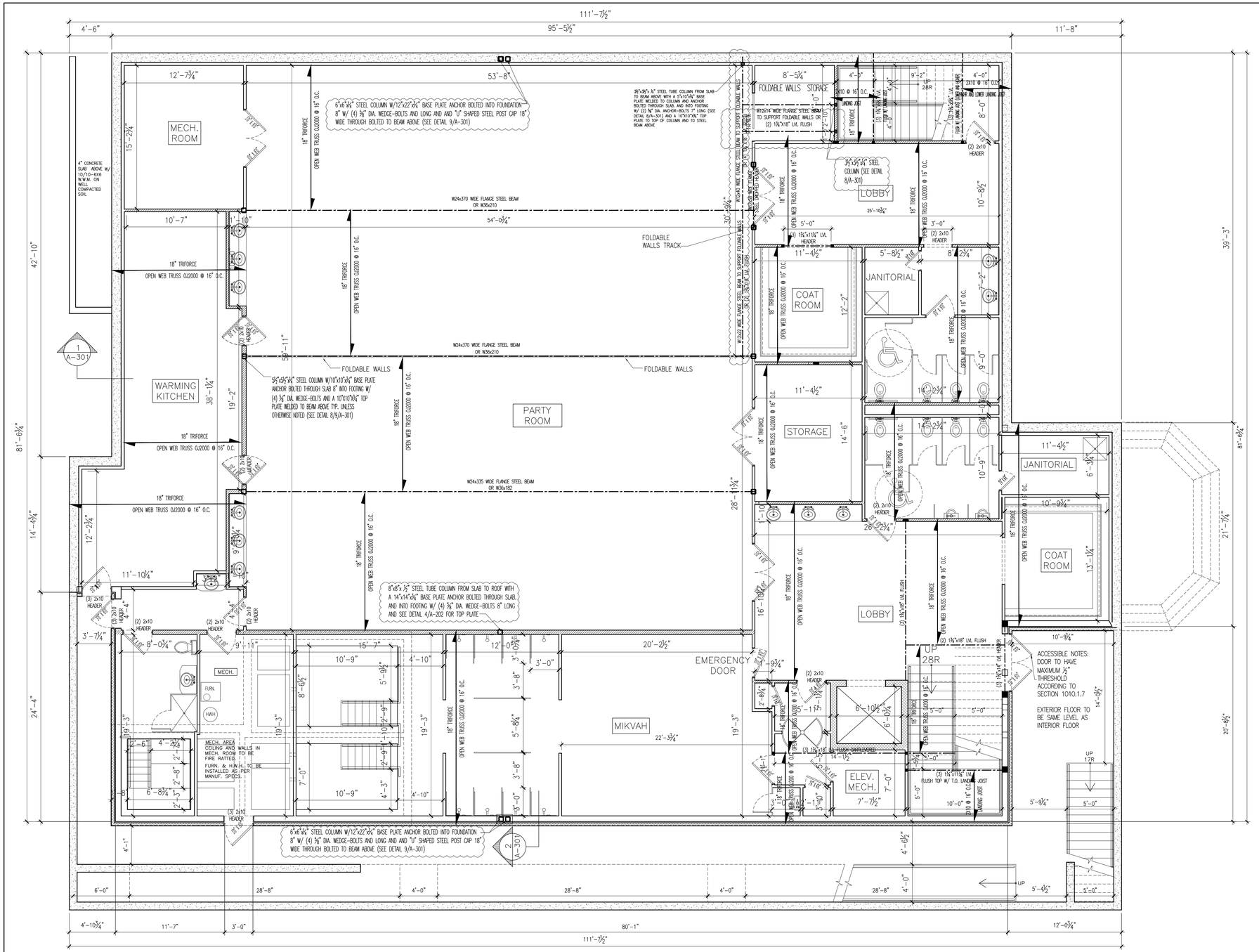
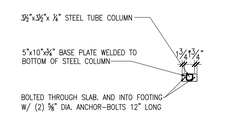



1 / A-102 BASEMENT PLAN
SCALE: 3/16" =1'-0"




2 / A-102 BOTTOM PLATE DETAIL
SCALE:1/4" =1'-0"

## WALL LEGEND

2x4 OR 2x6 WALL BEARING PARTITION

NEW 2X4 WALL FOR INTERIOR AND 2X8 FOR EXTERIOR

■ — WOOD POST IN A WALL

□ — POINT LOAD FROM ABOVE

— HARD WIRED SMOKE DETECTOR CEILING MOUNTED

— CARBON MONOXIDE DETECTOR CEILING MOUNTED

**BLOWER DOOR AND DUCT LEAKAGE NOTE:**

A CERTIFIED PROFESSIONAL THIRD PARTY SHALL PERFORM A BLOWER DOOR TEST AND DUCT LEAKAGE TEST AND A REPORT/ CERTIFICATION SHALL BE PROVIDED TO THE BUILDING DEPARTMENT PRIOR TO ISSUANCE OF A 'C' OF O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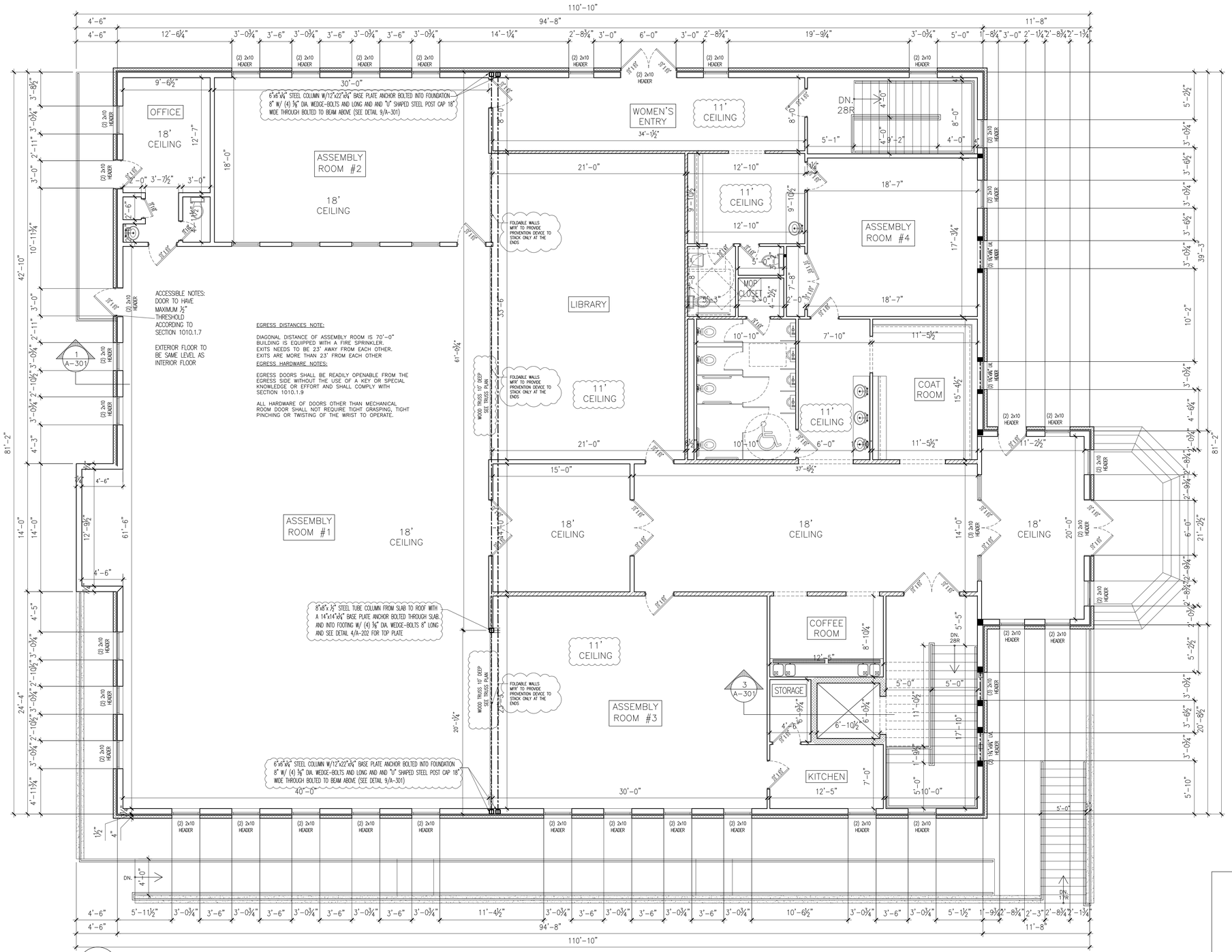


1 A-103 FIRST FLOOR PLAN

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

WALL LEGEND

2x4 OR 2x6 WALL BEARING PARTITION

NEW 2X4 WALL FOR INTERIOR AND 2X8 FOR EXTERIOR

■ — WOOD POST IN A WALL

□ — POINT LOAD FROM ABOVE

— HARD WIRED SMOKE DETECTOR CEILING MOUNTED

— CARBON MONOXIDE DETECTOR CEILING MOUNTED

SQUARE FOOTAGE:

| | |
|---|---|
| BASEMENT | 7,994 S.F. |
| FIRST | 7,994 S.F. |
| TOTAL | 15,988 S.F. |

FRAMING NOTES:

1. ALL POSTS WITHIN A WALL (NOT SPECIFIED ON PLAN THE AMOUNT OF STUDS) SUPPORTING A BEAM ABOVE TO HAVE AT LEAST A MIN. OF 3 2X, IF BEAM IS WIDER THAN 4.5" ADD 2X TO COVER FULL WIDE OF BEAM ABOVE
2. ALL BEARING WALLS TO HAVE BLOCKING WITH A MAX SPACING OF 4'-0".
3. ALL FLUSH BEAMS TO BE ATTACHED TO PERPENDICULAR BEAMS AND JOISTS WITH PROPER FULL HEIGHT SIMPSON STRONG-TIE HANGERS
4. PROVIDE DOUBLE JACK STUDS UNDER ALL HEADERS THAT ARE 48" LONG OR LONGER
5. ALL DECK LUMBER TO BE PRESSURE TREATED
6. ALL PRESSURE TREATED WOOD FASTENERS TO BE HOT DIP GALVANIZED OR STAINLESS STEEL
7. PROVIDE SOLID BLOCKING BETWEEN JOIST FOR ALL CONSECRATED LOADS FROM ABOVE CONTINUING DOWN IN WALL BELOW

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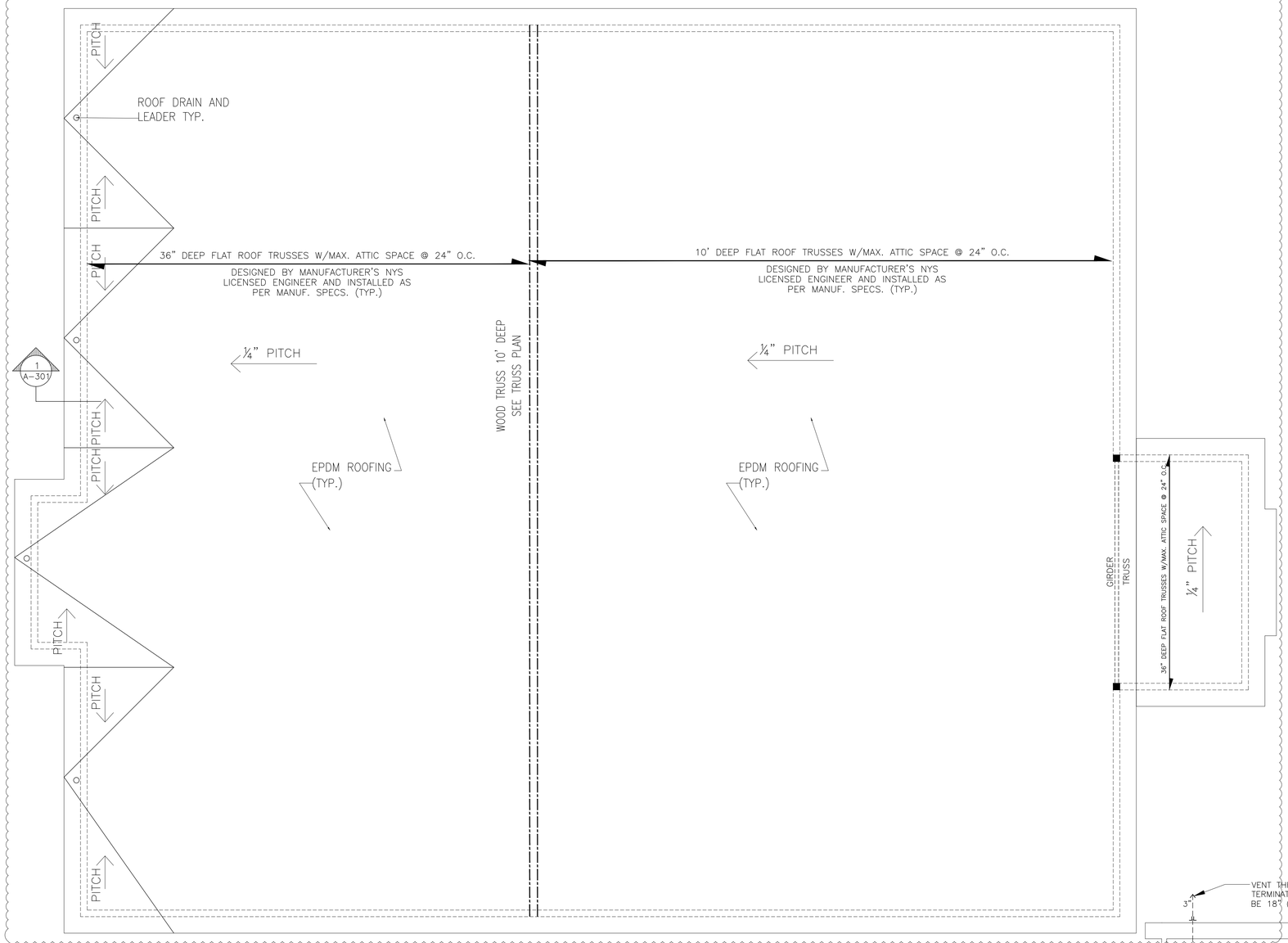
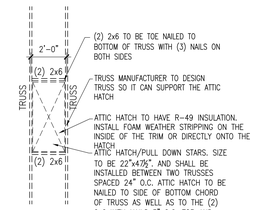



1 A-104 ROOF PLAN

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




2 A-104 ATTIC HATCH DETAIL

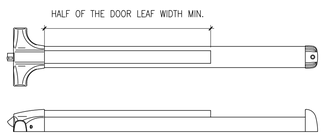
SCALE: 1/4" =1'-0"

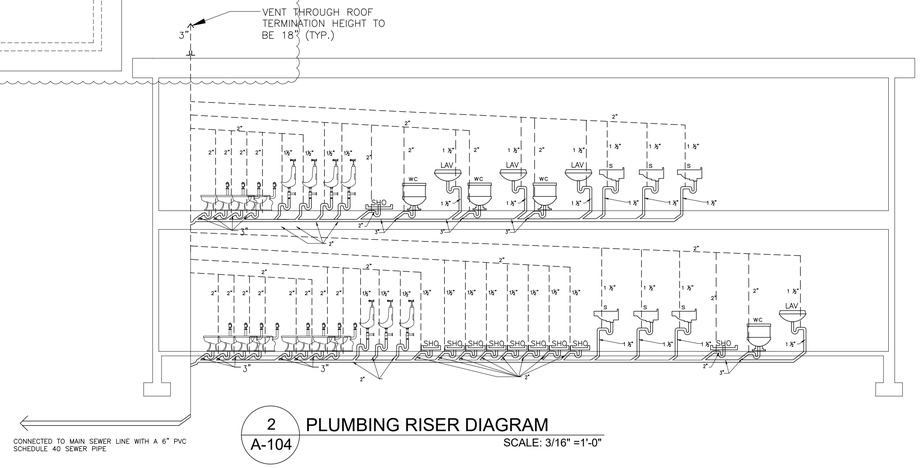
TRUSS NOTES:

- TRUSS MANUFACTURER TO DESIGN AND PROVIDE TO BUILDING DEPARTMENT 3 SETS OF ROOF TRUSS DRAWINGS SIGNED AND SEALED BY MANUFACTURER'S NYS LICENSED ENGINEER. TRUSS PLANS TO ALSO INCLUDE THE OPENING FOR ATTIC HATCHES, SKYLIGHTS, OR/AND STAIRS (IF APPLICABLE) AND SHOULD BE APPROVED BY THE BUILDING DEPARTMENT PRIOR OF ISSUANCE OF BUILDING PERMIT.
- ANY ALTERATIONS TO TRUSSES MUST BE APPROVED BY THE TRUSS MANUFACTURER
- A FULL TRUSS REPORT, CERTIFIED BY THE LICENSED DESIGN PROFESSIONAL, SHALL BE SUBMITTED STATING THE INSTALLATION CONFORMS TO TRUSS DESIGN DRAWINGS, TRUSSES ARE UNALTERED FROM DESIGN AND ALL BRACINGS AND ATTACHMENTS ARE INSTALLED ACCORDING TO THE DRAWINGS PRIOR TO SCHEDULING OF FRAMING INSPECTION.
- TRUSS MANUFACTURER TO DETERMINE ALL CONCENTRATED AND UNIFORM LOADS TO BE SUPPORTED BY TRUSSES AT AFFECTED LOCATIONS.
- ALL LVL BEAMS SUPPORTING TRUSSES CAN BE SUBSTITUTED WITH A GIRDER TRUSS AND SHOULD BE DESIGNED BY MANUFACTURER'S NYS LICENSED ENGINEER.

PANIC DOOR HARDWARE NOTES:

- ALL EXIT DOOR HARDWARE TO COMPLY WITH SECTION 1008 OF NYS BUILDING CODE
- THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEAST ONE-HALF OF THE DOOR LEAF WIDTH
- THE MAXIMUM UNLATCHING FORCE SHALL NOT EXCEED 15 POUNDS (67 N).
- HARDWARE DEVICES SHALL BE INSTALLED 34 INCHES (864 MM) MINIMUM AND 48 INCHES (1219 MM) MAXIMUM ABOVE THE FINISHED FLOOR.




2 A-104 PLUMBING RISER DIAGRAM

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

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LICENSE NO: 082844



PROPOSED HOUSE OF WORSHIP FOR:

**CONG. TOREI ZAHAV ANSHEI CHESED**

62 LIME KILN RD, VILLAGE OF WESLEY HILLS
ROCKLAND COUNTY, NEW YORK

WRITTEN STATEMENT

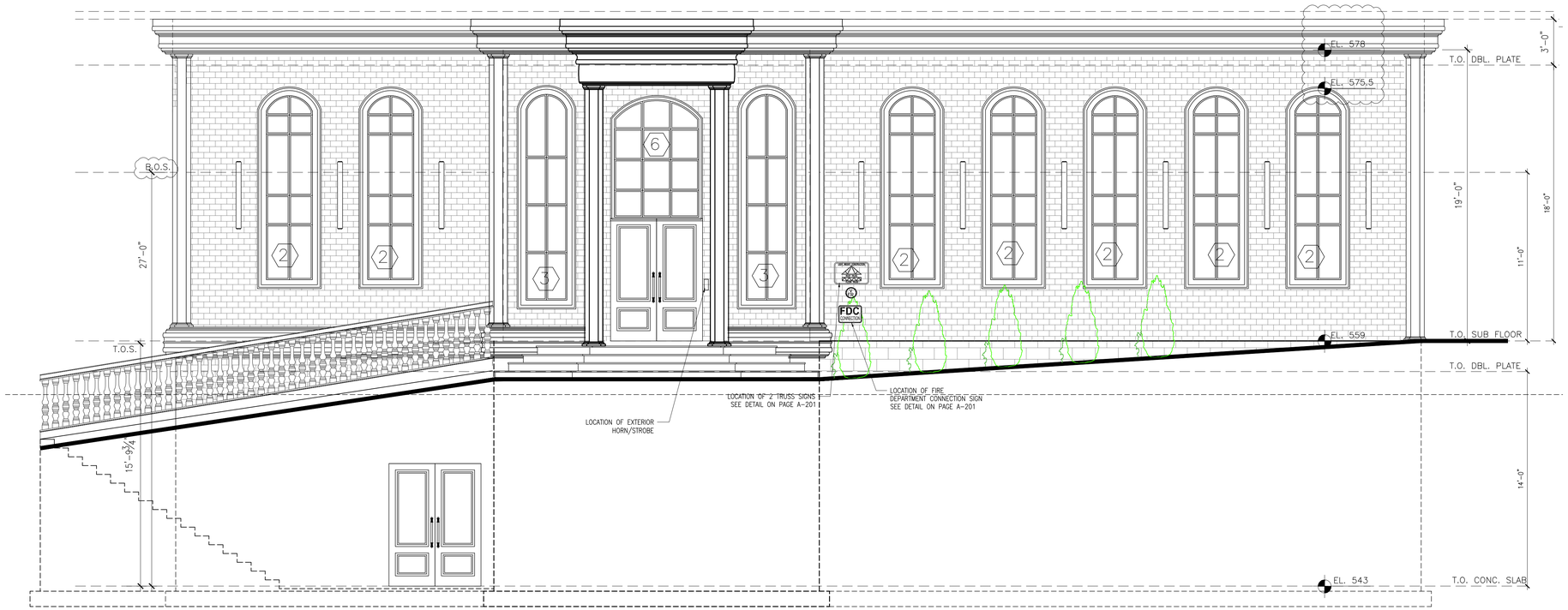
TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE AND THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AS CURRENTLY IN EFFECT.

| | |
|---|---|
| Project No. | YZ102 |
| Drawn By: | LH |
| Reviewed By: | JR |
| Date | JUN. 29, 2023 |

REVISIONS:

6/29/2023 RELEASED FOR PERMITS
11-2-2023 REVISED AS PER CLIENT
11-28-2023 REVISED AS PER CLIENT
12-27-2023 REVISED AS PER B.D.

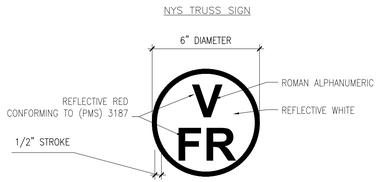
A-104



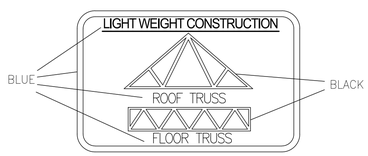

1 A-201 FRONT ELEVATION

SCALE: 1/4" =1'-0"

NYS TRUSS SIGN




TRUSS SIGN SHALL BE INSTALLED ACCORDING TO TITLE 19 (NYCRR) CHAPTER XXXIII, SUBCHAPTER C, PART 1264




12"x18" REFLECTIVE SIGN

TRUSS SIGN NOTES:

TRUSS SIGNS TO COMPLY WITH THE ROCKLAND COUNTY STANDARDS OF TRUSS SIGNS AND AS WELL AS THE NYS CODE STANDARDS OF TRUSS SIGNS


PROVIDE AN FDC SIGN AT THE FIRE DEPARTMENT CONNECTION

3 A-201 TRUSS SIGNS

SCALE: NTS

4 A-201 FDC CONNECTION

SCALE: NTS

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| | |
|---|---|
| Project No. | YZI02 |
| Drawn By: | LH |
| Reviewed By: | JR |
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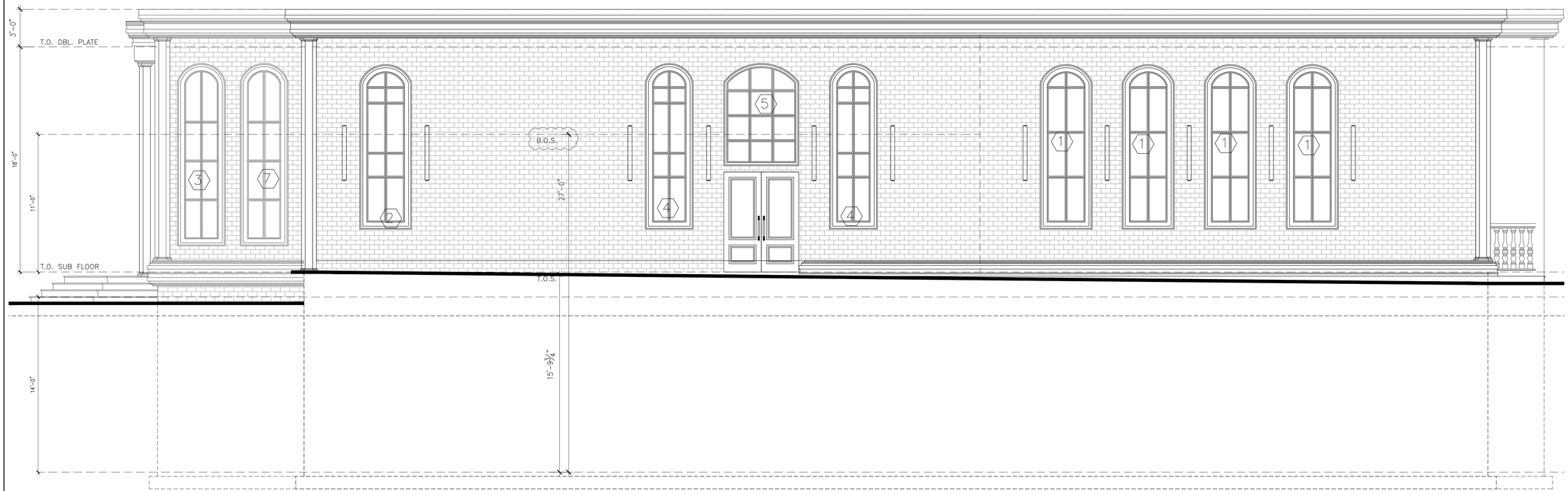
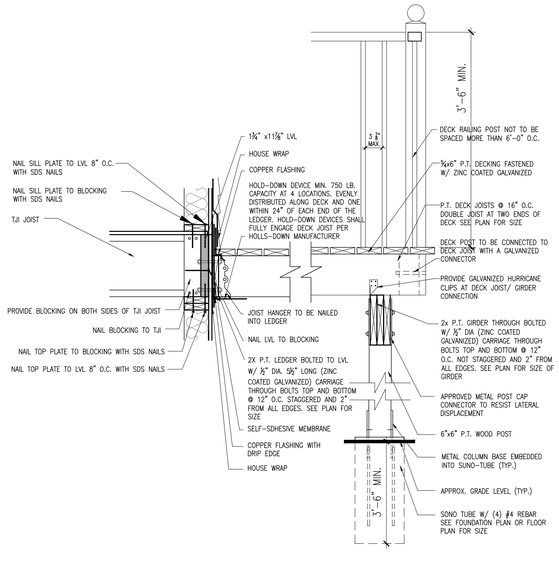
12-27-2023 REVISED AS PER B.D.

A-201



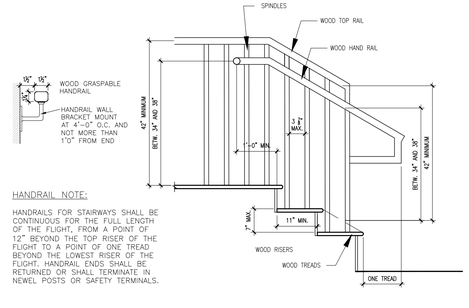

1 A-202 RIGHT ELEVATION

SCALE: 1/4" =1'-0"




2 A-202 DECK DETAIL

SCALE: 3/4" =1'-0"

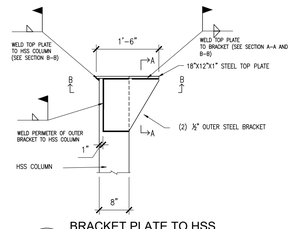



HANDRAIL NOTE:

HANDRAILS FOR STAIRWAYS SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE FLIGHT, FROM A POINT OF 12" BEYOND THE TOP RISER OF THE FLIGHT TO A POINT OF ONE TREAD BEYOND THE LOWEST RISER OF THE FLIGHT. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS.

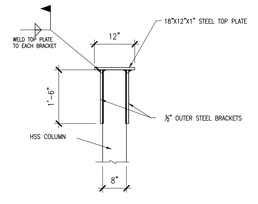
3 A-202 WOOD STAIR AND HANDRAIL DETAIL

SCALE: 3/4" =1'-0"

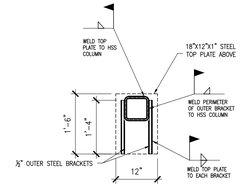



4 A-202 BRACKET PLATE TO HSS COLUMN CONNECTION DETAIL

SCALE: N.T.S.




A—A




B—B

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PROPOSED HOUSE OF WORSHIP FOR:

# CONG. TOREI ZAHAV ANSHEI CHESED

62 LIME KILN RD, VILLAGE OF WESLEY HILLS
ROCKLAND COUNTY, NEW YORK

WRITTEN STATEMENT

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| | |
|---|---|
| Project No. | YZIO2 |
| Drawn By: | LH |
| Reviewed By: | JR |
| Date | JUN. 29, 2023 |

REVISIONS:

6/29/2023 RELEASED FOR PERMITS
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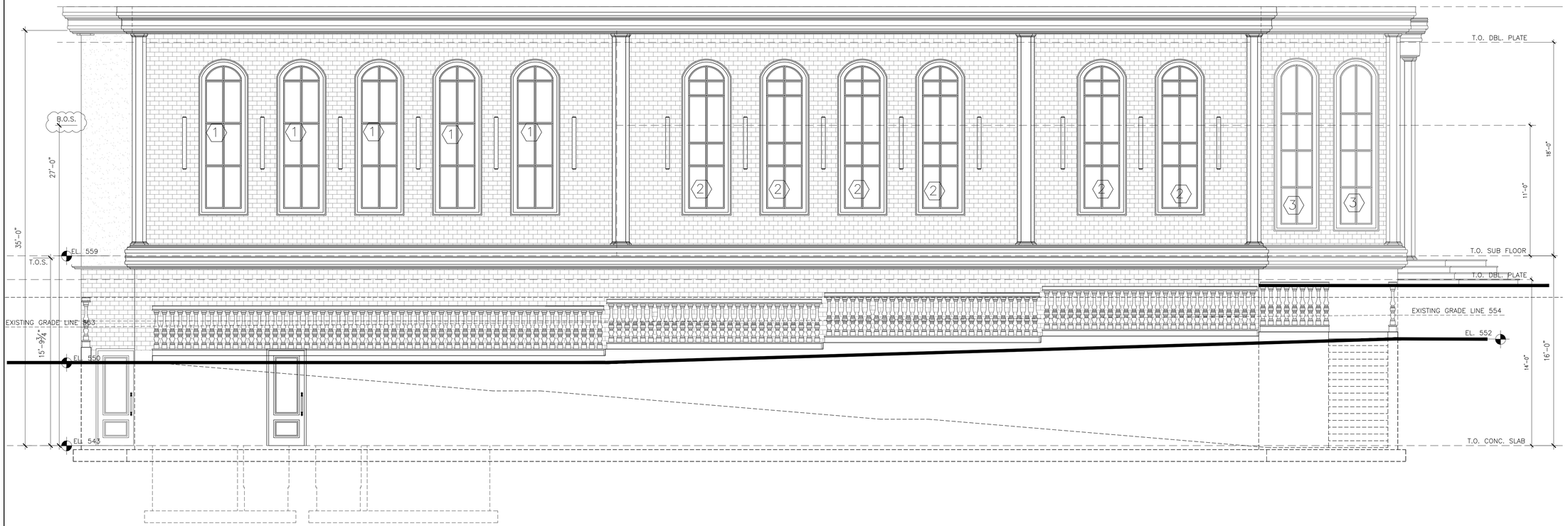
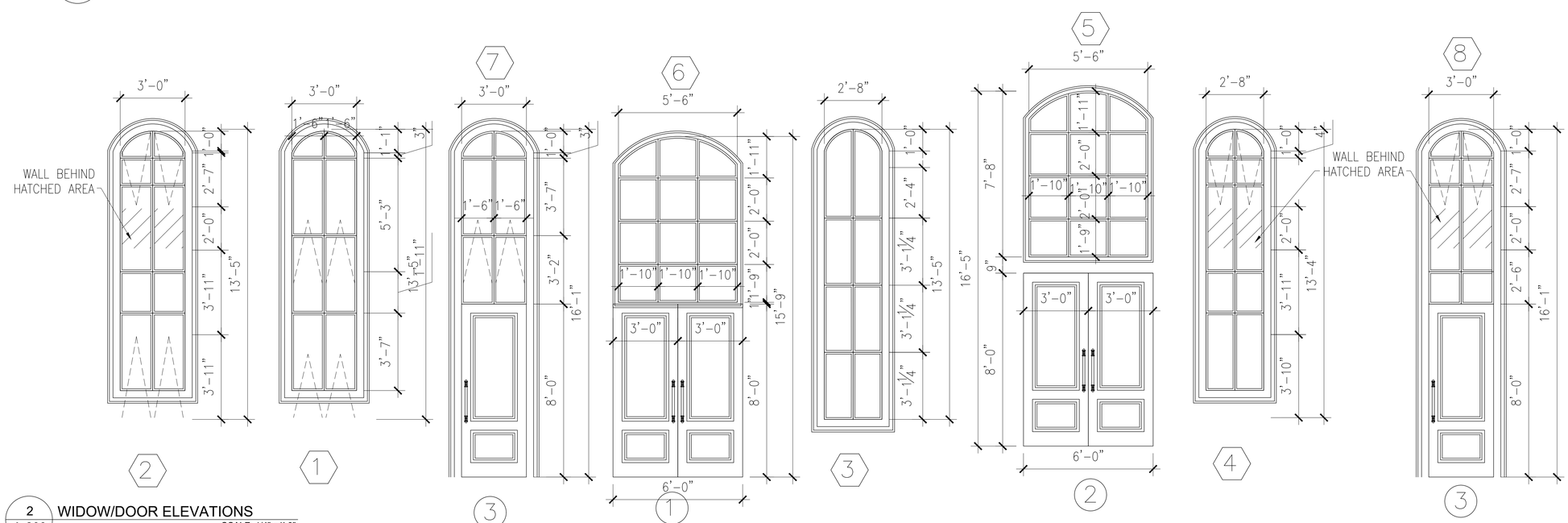
12-27-2023 REVISED AS PER B.D.

A-202




1 / A-203 LEFT ELEVATION

SCALE: N.T.S.




2 / A-203 WIDOW/DOOR ELEVATIONS

SCALE: 1/4" =1'-0"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| | |
|---|---|
| Project No. | YZI02 |
| Drawn By: | LH |
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11-2-2023 REVISED AS PER CLIENT
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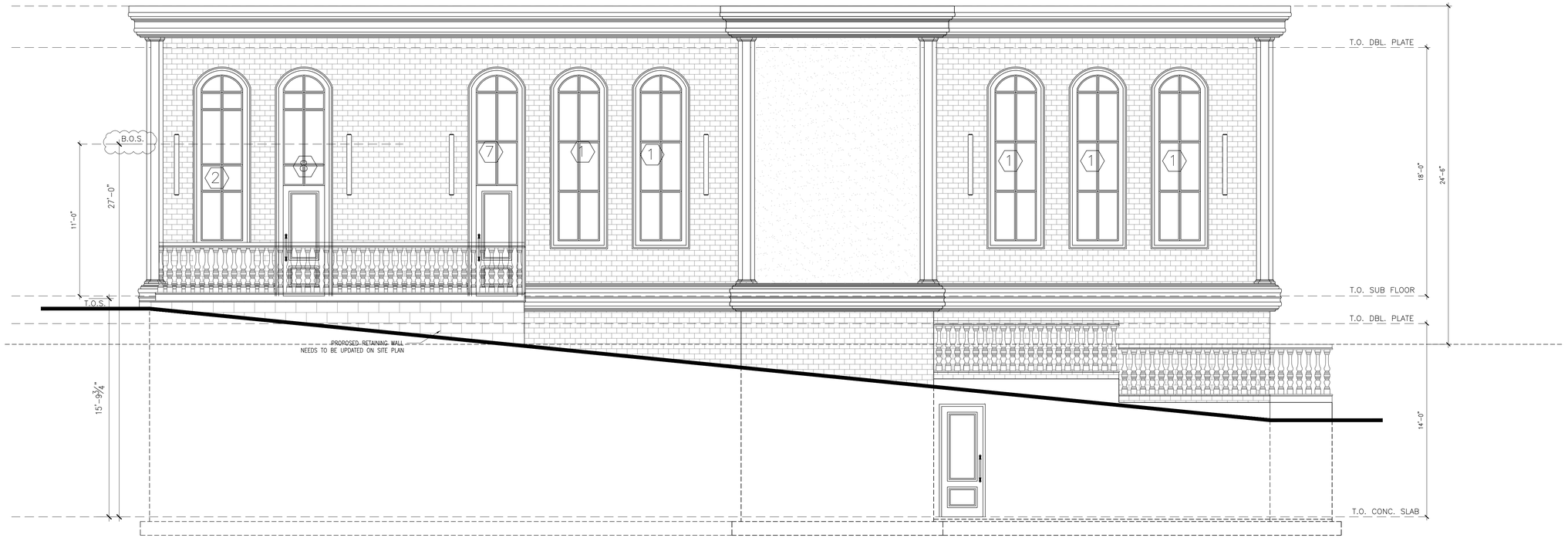
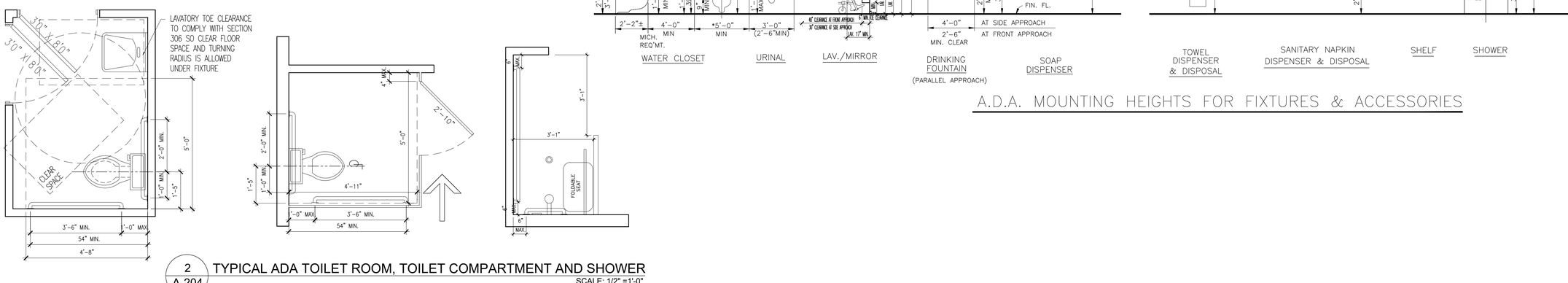
A-203




1 A-204 REAR ELEVATION

SCALE: 1/4" =1'-0"




A.D.A. MOUNTING HEIGHTS FOR FIXTURES & ACCESSORIES




2 A-204 TYPICAL ADA TOILET ROOM, TOILET COMPARTMENT AND SHOWER

SCALE: 1/2" =1'-0"

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PROPOSED HOUSE OF WORSHIP FOR:

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| | |
|---|---|
| Project No. | YZ102 |
| Drawn By: | LH |
| Reviewed By: | JR |
| Date | JUN. 29, 2023 |

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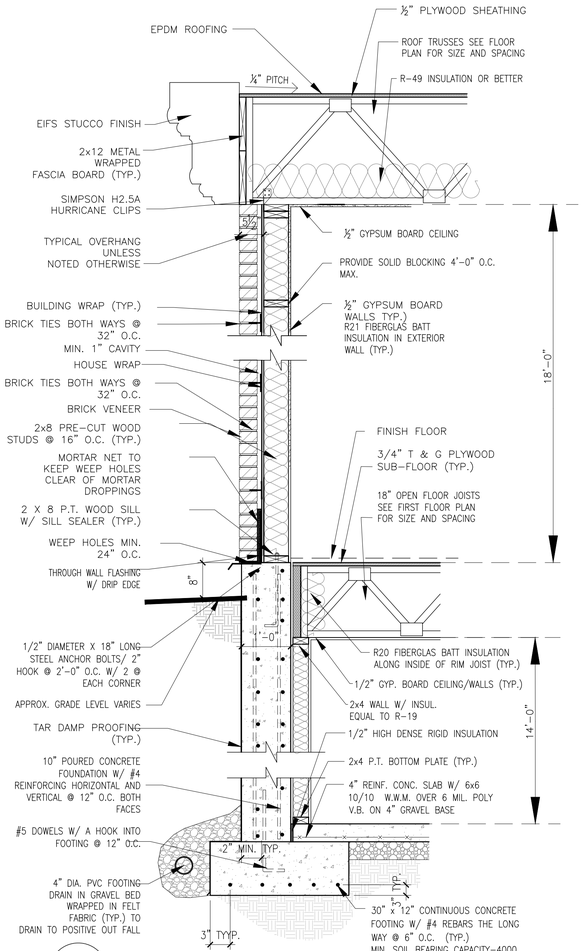
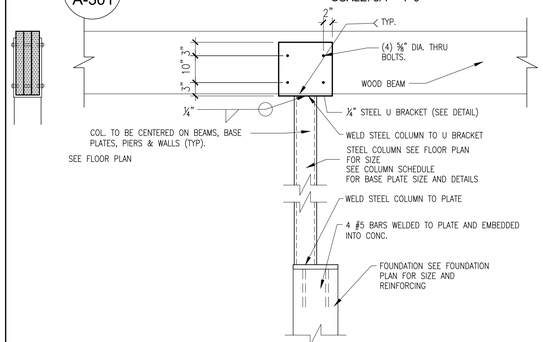
12-27-2023 REVISED AS PER B.D.

A-204



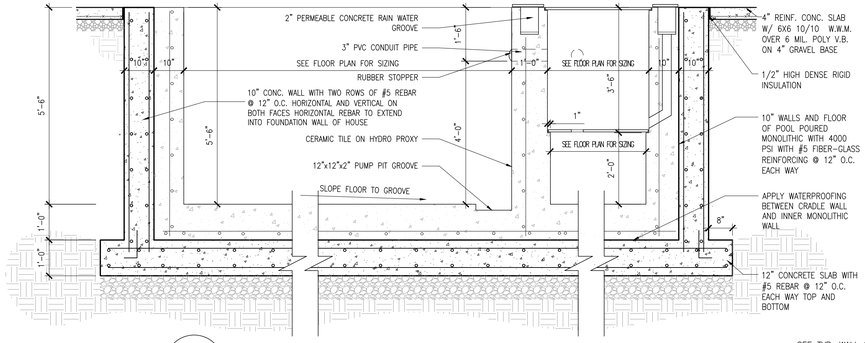

1 A-301 TYP. WALL SECTION

SCALE: 3/4" =1'-0"



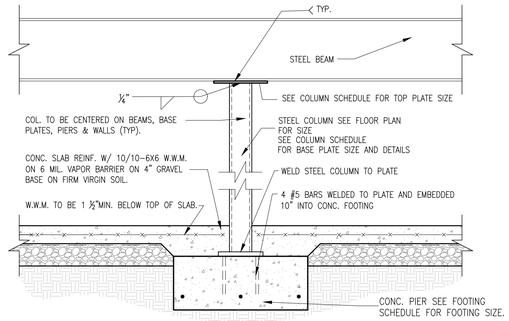

9 A-301 STEEL COLUMN/WOOD BEAM TO FOUNDATION DETAIL

SCALE: 3/4" =1'-0"



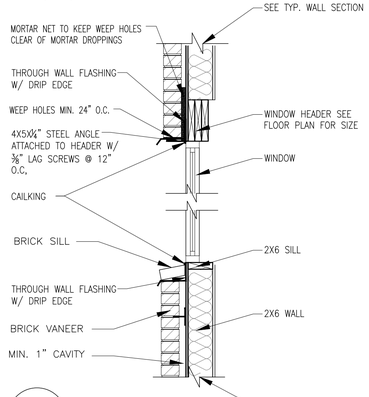

4 A-301 MIKVAH DETAIL

SCALE: 1/2" =1'-0"



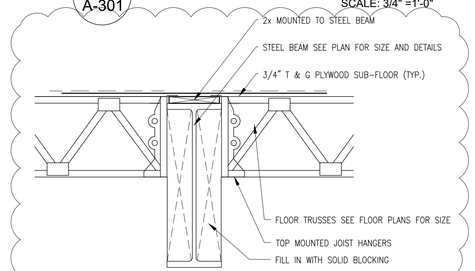

8 A-301 STEEL BEAM/COLUMN TO FOOTING DETAIL

SCALE: 3/4" =1'-0"



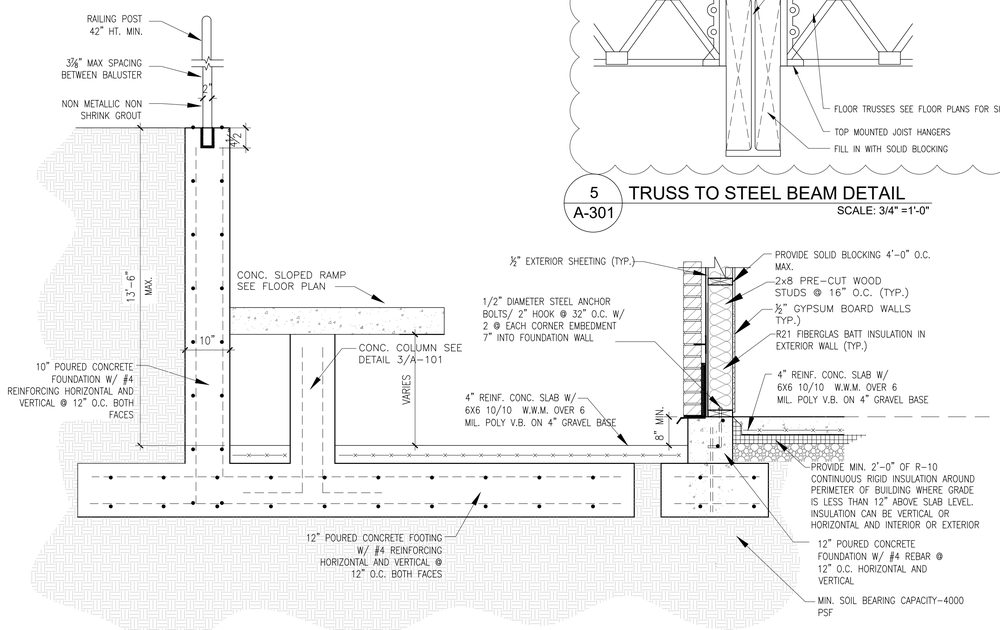

7 A-301 WINDOW DETAIL

SCALE: 3/4" =1'-0"



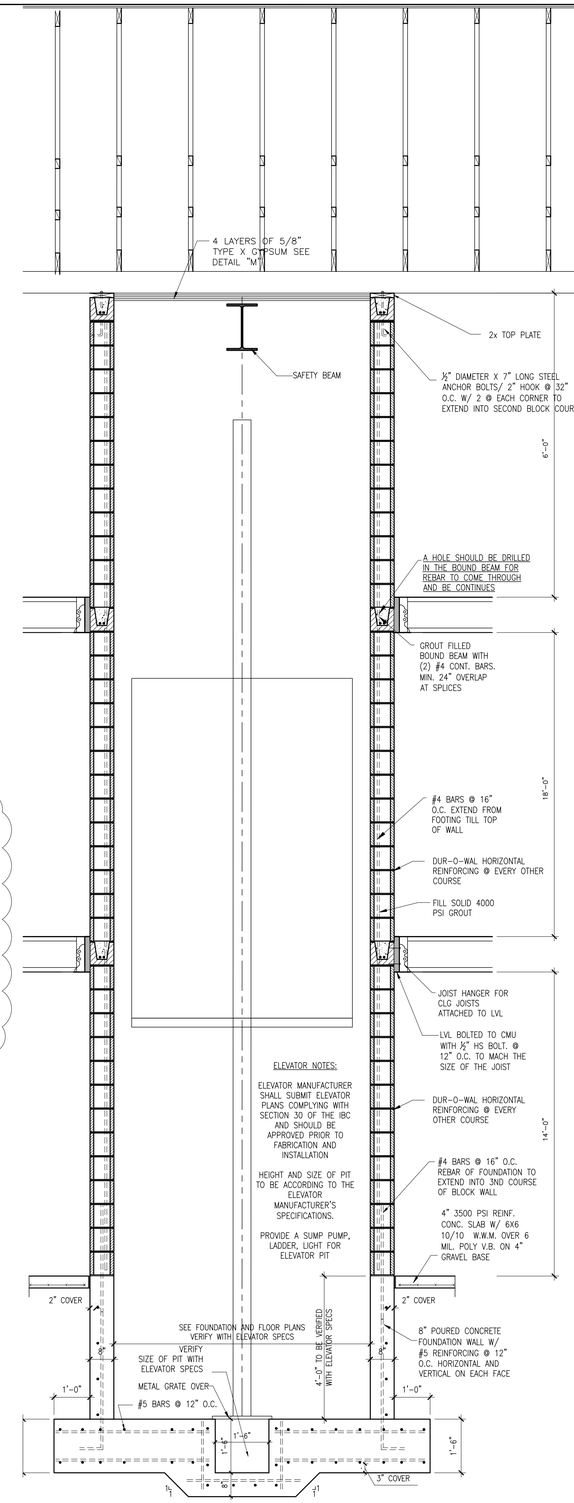

5 A-301 TRUSS TO STEEL BEAM DETAIL

SCALE: 3/4" =1'-0"




2 A-301 RETAINING WALL DETAIL

SCALE: 3/4" =1'-0"




3 A-301 ELEVATOR SHAFT

SCALE: 1/2" =1'-0"

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PROPOSED HOUSE OF WORSHIP FOR:
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Project No. YZI02
Drawn By: LH
Reviewed By: JR
Date JUN. 29, 2025

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11-2-2023 REVISED AS PER CLIENT
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12-27-2023 REVISED AS PER B.D.

A-301

WIND AND CLIMATIC DESIGN CRITERIA

| CLIMATE ZONE | GROUND SNOW LOAD | WIND SPEED (mph) | SEISMIC DESIGN CATEGORY | SUBJECT TO DAMAGE FROM: WEATHERING | FROST LINE DEPTH | TERMITE | DECAY | WINTER DESIGN TEMP | ICE SHIELD UNDERLAYMENT REQUIRED | FLOOD HAZARDS |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 30 | 115 | B | MODERATE | 42" | MODERATE TO HEAVY | SLIGHT TO MODERATE | 6 | YES | |

ROOF LIVE LOAD =21 LB / DEAD LOAD =15 LB
ROOF MEMBERS DEFLECTION LIMITS 360 / LIVE 240 TOTAL
WIND EXPOSURE =B
RAINFALL INTENSITY (IN/HR): 6.7
BASED ON RAINFALL AVERAGES IN NEW YORK CITY, NEW YORK (10 YEARS)

SECTION 303.4: GROUP A-3

ALL CONSTRUCTION MEANS AND METHODS SHALL CONFIRM TO TO THE LATEST EDITION OF THESE BUILDING CODES.

A) 2020 BUILDING CODE OF NEW YORK STATE (BCNYS)
B) 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE (ECCNYS)
C) 2020 NYS PLUMBING CODE, MECHANICAL CODE, FIRE CODE AND FUEL GAS CODE

## GENERAL NOTES

1. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE PRIOR TO COMMENCEMENT OF WORK.
2. THE STRUCTURES DEPICTED IN THESE PLANS ARE DESIGNED TO BE SELF-SUPPORTING ONLY WHEN FULLY ERECTED AND COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND PROVISION OF ALL REQUIRED TEMPORARY SUPPORTS, SHORING, BRACING, ETC.
3. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS.
4. CONTRACTOR TO COORDINATE THEIR WORK WITH ALL OTHER TRADES SO AS NOT TO CAUSE ANY UNNECESSARY DELAYS IN PROJECT.
5. CONTRACTOR TO BE RESPONSIBLE FOR APPROVALS AND FINAL INSPECTIONS OF HIS WORK BY LOCAL BUILDING INSPECTIONS.
6. CONTRACTOR SHALL PREPARE ALL SURFACES AND INSTALL ALL MATERIALS AS PER MANUFACTURERS RECOMMENDATIONS.
7. ALL HORIZONTAL DIMENSIONS ARE TO FACE OF FRAMING OR FACE OF FURRING. ALL VERTICAL DIMENSIONS ARE TO TOP OFF SUB-FLOOR OR FACE OF CEILING FRAMING.
8. STAIRS TO HAVE A MAXIMUM OF 7" RISERS AND A MINIMUM OF 11" TREAD DEPTH. (STAIRS WITHIN A UNIT CAN HAVE A MAXIMUM OF 7¾" RISERS AND A MINIMUM OF 10" TREAD DEPTH). NOISING SHALL BE PROVIDED FOR A THREAD LESS THAN 11" AND SHALL BE BETWEEN ¾" AND 1¼". MINIMUM STAIR HEAD ROOM TO BE 6'-8"
9. DO NOT CUT, DRILL, REMOVE, OR DAMAGE STRUCTURAL MEMBERS IN ANY WAY WITHOUT WRITTEN CONSENT OF THE ARCHITECT OR ENGINEER.
10. DRILL WOOD WHICH IS LIKELY TO SPLIT BEFORE NAILING. REPLACE ALL SPLIT PIECES.
11. ALL STUDS, SILL, AND POSTS SHALL BE SPRUCE-PINE-FIR ALLOWING 75% NO.1 AND 25% NO. 2 GRADE
12. ALL BEAMS, JOISTS, RAFTERS, AND HEADERS SHALL BE KD-NO. 1 DOUGLAS-FIR 19% MAXIMUM MOISTURE CONTENT. DENSE NO. 2 GRADE OR BETTER (UNLESS DRAWING CALLS FOR ENGINEERED LUMBER)
13. OTHER FRAMING LUMBER TO BE NO. 2 SPF
14. ALL INTERIOR DOOR HEADERS IN NON-BEARING WALLS TO BE BUILT WITH (2) 2x8 AND ALL DOOR HEADERS IN BEARING WALLS TO BE BUILT WITH (2) 2x10, UNLESS OTHERWISE NOTED
15. ALL JOIST UNDERNEATH ALL BATHTUBS TO BE DOUBLED
16. EXTERIOR WALLS TO BE 2x6 WOOD STUDS @ 16" O.C. UNLESS NOTED OTHERWISE
17. EXTERIOR SHEATHING TO BE 1/2" CDX EXTERIOR PLYWOOD UNLESS NOTED OTHERWISE
18. EXTERIOR SIDING SHALL BE (SELECTED BY OWNER) UNLESS NOTED OTHERWISE.
19. ALL INTERIOR WALLS TO BE 2x4 STUDS WITH 1/2" THICK GYPSUM WALL BOARD - UNLESS NOTED OTHERWISE.
20. ALL WET WALLS SHALL BE WATER RESISTANT GYPSUM WALL BOARD.
21. PROVIDE 5/8" TYPE "X" GYPSUM WALL BOARD WHERE INDICATED FOR FIRE RATING.
22. PROVIDE A MINIMUM OF ½" GYPSUM BOARD TO UNDERSIDE OF ALL FLOOR FRAMING MEMBERS (EVEN IN UNFINISHED SPACES) AS RUQUIRED BY CODE
23. ALL EXTERIOR DECKING AND POSTS SHALL BE PRESSURE TREATED (WOLMANIZED OR OSMOSE).
24. ALL WOOD IN CONTACT W/ CONC. OR GRADE TO BE NO. 2 GRADE SOUTHERN YELLOW PINE AND BE PRESSURE TREATED. (WOLMANIZED OR OSMOSE) TO PREVENT AGAINST TERMITES AND DECAY.
25. CABINETS/CASEWORK TO BE DESIGNED BY OTHERS. CABINET DESIGNER SHOULD FIELD MEASURE AREA OF WORK AFTER DRYWALL INSULATION FOR PROPER FITTING.
26. ALL SELECTIONS OF FINISHED MATERIALS, STAINS, COLORS, ETC. TO BE SELECTED BY OWNER UNLESS NOTED OTHERWISE.
27. ALL WALL AND CEILING FINISHES SHALL COMPLY WITH TABLE 803.13 OF THE 2020 BCNYS FOR FLAME SPREAD.
28. MOISTURE CONTROL IN ALL FRAMED WALLS, FLOORS AND ROOF/CEILINGS COMPRISING ELEMENTS OF THE BLDG. THERMAL ENVELOPE. A VAPOR RETARDER SHALL BE INSTALLED ON THE WARM IN WINTER SIDE OF THE INSULATION.
29. PROVIDE A HARD-WIRED SMOKE DETECTOR AT THE FOLLOWING LOCATIONS:
    A. IN EACH SLEEPING ROOM.
    B. OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOM.
    C. ON EACH ADDITIONAL STORY OF THE DWELLING INCLUDING BASEMENTS
30. PROVIDE A HARD-WIRED CARBON MONOXIDE ALARM OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN ALL DWELLINGS THAT CONTAIN A FUEL FIRED APPLIANCE OR IS ATTACHED TO A GARAGE THAT HAS AN OPENING TO THE DWELLING.
31. ALL HABITABLE ROOMS SHALL HAVE NATURAL LIGHT NOT LESS THAN 8 PERCENT OF THE FLOOR AREA OF SUCH ROOMS. AND NOT LESS THAN 4 PERCENT OF NATURAL VENTILATION.
32. SECTION 903.2.8 AN AUTOMATIC SPRINKLER SYSTEM INSTALLED ACCORDING TO SECTION 903.3 SHALL BE PROVIDED THROUGHOUT ALL BUILDINGS WITH A GROUP "R" FIRE AREA

## FOUNDATION NOTES

1. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE PRIOR TO COMMENCEMENT OF WORK.
2. CONCRETE MATERIAL . READY MIXED CONCRETE SHALL HAVE A 28 DAYS COMPRESSIVE STRENGTH (F'C) OF 4000 PSI UNLESS OTHERWISE NOTED
3. CONCRETE SLUMP SHALL BE NO MORE THAN 5" BEFORE ADDITION OF WATER REDUCING ADMIXTURES.
4. ALL FOOTINGS TO BE MIN. 3'-6" BELOW GRADE ON LEVEL UNDISTURBED SOIL OR ENGINEERED FILLS.
5. REINF. BARS SHALL BE OF DEFORMED BILLET STEEL NOT LESS THAN 60,000 P.S.I. (GRADE 60)
6. ALL SPLICES OF REINF. BARS SHALL NOT BE LAPPED LESS THAN 30 BAR DIAMETERS.
7. ALL SPLICES OF WELDED WIRE FABRIC SHALL BE LAPPED BY (2) SPACINGS OF CROSS WIRE. COVERING OF 2".
8. ALL W.W.F. SHALL CONFORM TO THE LATEST A.S.T.M. SPECIFICATIONS FOR WELDED WIRE FABRIC.
9. ALL REINF. STEEL SHALL HAVE A MIN. CONCRETE COVER OF 2".
10. PROVIDE INSULATION UNDER ALL SILL PLATES.
11. MIN. SOIL BEARING CAPACITY - 4000 P.S.F.
12. ALL CONCRETE FORMWORK IS TO REMAIN IN PLACE FOR A MINIMUM OF 24 HOURS AFTER POUR.
13. MAXIMUM UNBALANCED BACKFILL TO BE NO MORE THAN 6'-0" UNLESS NOTED OTHERWISE
14. FOOTING SHOULD BE STEPPED WHERE THE SLOPE OF THE BOTTOM SURFACE OF THE FOOTING WOULD EXCEED 10% (1 VERTICAL. 10 HORIZONTAL.)
15. SLAB THICKNESS TO BE MINIMUM 4"
16. SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WITH ANCHOR BOLTS AT 32" O.C. MIN. WITH A BOLT LOCATED WITHIN 12" OF THE END OF EACH PLATE SECTION. BOLTS SHOULD BE MIN. 1/2" DIAMETER AND SHALL EXTEND AT LEAST 12" INTO MASONRY/CONCRETE
17. ANCHOR STRAPS MAY BE USED IF THEY ARE SPACED APPROPRIATELY TO PROVIDE EQUIVALENT ANCHORAGE TO ANCHOR BOLTS
18. BRACE FOUNDATION WALL ADEQUATELY PRIOR TO BACK FILL
19. DRAINS SHALL BE PROVIDED AROUND ALL CONCRETE OR MASONRY FOUNDATIONS THAT RETAIN EARTH AND ENCLOSE HABITABLE OR USEABLE SPACE LOCATED BELOW GRADE. DRAINS SHALL BE INSTALLED AT OR BELOW THE AREA TO BE PROTECTED AND SHALL DISCHARGE BY GRAVITY OR MECHANICAL MEANS INTO AN APPROVED DRAINAGE SYSTEM. GRAVEL OR CRUSHED STONE DRAINS SHALL EXTEND AT LEAST 12" BEYOND THE OUTSIDE EDGE OF THE FOOTING AND 6" ABOVE THE TOP OF THE FOOTING AND BE COVERED WITH AN APPROVED FILTER MEMBRANE MATERIAL. (DRAINAGE SYSTEM IS NOT REQUIRED WHEN FOUNDATION IS INSTALLED ON WELL-DRAINED GROUND ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM , GROUP 1 SOILS.)

## FLOOR NOTES

1. STRUCTURAL STEEL TO BE A36 AND RECEIVE ONE COAT OF RUST INHIBITIVE PAINT. ALL PLATES AND CONNECTIONS TO BE DESIGNED BY FABRICATOR (SHOP DRAWINGS) AND SHALL HAVE A STAMP FROM AN ENGINEER. (UNLESS ALL THE STEEL COMPONENTS ARE SPECIFIED IN THIS PLAN, THAN NO SHOP DRAWINGS ARE REQUIRED)
2. ALL LUMBER MATERIALS SHALL BE NEW, SOUND, DRY MATERIAL FREE FROM DEFECTS AND IMPERFECTIONS WHERE BY THE STRENGTH MAY BE IMPAIRED AND SHALL BE OF THE SIZES INDICATED ON THE DRAWINGS.
3. FLOOR JOISTS TO BE DOUBLED BELOW ALL INTERIOR PARTITIONS RUNNING PARALLEL TO THE JOISTS FRAMING.
4. SUB FLOOR TO BE CDX PLYWOOD, OR OSB TONGUE-AND-GROVE, GLUED AND SCREWED. FLOOR AREAS SCHEDULED FOR CERAMIC TILE FINISH TO HAVE AN ADDITIONAL LAYER CEMENT BOARD
5. MINIMUM FLOOR JOISTS BEARING SHALL BE AT LEAST 1 1/2" ON WOOD AND AT LEAST 3" ON MASONRY OR CONCRETE. FLOOR JOIST FRAMING FROM OPPOSITE SIDES OVER A BEARING SUPPORT SHALL LAP NOT LESS THAN 3" AND SHOULD BE NAILED TOGETHER WITH A MINIMUM OF THREE 10D FACE NAILS
6. FLOOR JOISTS LARGER THAN 2X12 SHALL BE SUPPORTED LATERALLY BY SOLID BLOCKING OR DIAGONAL WOOD OR METAL BRIDGING AT INTERVALS NOT EXCEEDING 8 FEET.
7. WOOD TRUSSES SHALL NOT BE CUT, NOTCHED, SPLICED, OR OTHERWISE ALTERED. TRUSSES DESIGN DRAWING PREPARED BY A LICENSED ENGINEER SHALL BE PROVIDED TO CODE ENFORCEMENT OFFICER PRIOR TO INSULATION.
8. END JOISTS IN SUBFLOORING SHALL OCCUR OVER SUPPORTS.
9. PARTICLEBOARD USED FOR FLOOR UNDERLAYMENT SHALL BE MIN. ¼" THICK AND SHALL CONFORM TO TYPE PBU.
10. ALL ENGINEER LUMBER TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
11. ALL SIMPSON (OR OTHER) FASTENERS TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
12. DOUBLE THE JOIST UNDERNEATH BATH AREA

## ELECTRICAL

1. ALL WORK TO COMPLY WITH THE N.E.C. AS WELL AS CHAPTER 27 OF THE 2020 BUILDING CODE OF NYS (BCNYS)

## WALL CONSTRUCTION

1. ALL STUDS SHALL BE 16" O.C. AND SHALL BE TOE NAILED UNLESS OTHERWISE NOTED
2. DOUBLE TOP PLATES SHALL BE LAPPED AT CORNERS WITH END JOINTS BEING OFFSET AT LEAST 24"
3. STUDS MAY BE NOTCHED MAX 25% OF ITS WIDTH IN A BEARING WALL, MAX 40% OF ITS WIDTH IN A NON-BEARING WALL.
4. ANY STUD MAY BE DRILLED/BORED TO A MAX OF 40% OF ITS WIDTH IF A MIN. OF 5/8" IS MAINTAINED FROM STUD FACE, AND HOLE IS NOT LOCATED IN THE SAME SECTION AS A NOTCH/CUT
5. FIREBLOCKING SHALL BE PROVIDED IN WOOD-FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:
   A). IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS:
      A.1) VERTICALLY AT THE CEILING AND FLOOR LEVELS.
      A.2) HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET
   B) AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.
   C) IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH SECTION 718.2.4
   D) AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E 136 REQUIREMENTS.
   E) FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, SEE SECTION 718.2.5
6. FIRE BLOCKING SHALL CONSIST OF 2X LUMBER OR UNFACED FIBERGLASS BATT INSULATION USED AS FIRE BLOCKING SHALL FILL THE ENTIRE CROSS SECTION OF THE WALL CAVITY TO A MINIMUM HEIGHT OF 16 INCHES (406 MM) MEASURED VERTICALLY. WHEN PIPING, CONDUIT OR SIMILAR OBSTRUCTIONS ARE ENCOUNTERED, THE INSULATION SHALL BE PACKED TIGHTLY AROUND THE OBSTRUCTION.
7. DRAFTSTOPPING SHALL BE PROVIDED WHERE CEILING IS SUSPENDED UNDER THE FLOOR FRAMING OR FLOORS FRAMING IS CONSTRUCTED OF TRUSS-TYPE OPEN-WEB AND THERE IS A USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE.
8. DRAFTSTOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1,000 SQUARE FEET. DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS. WHERE THE ASSEMBLY IS ENCLOSED BY A FLOOR MEMBRANE ABOVE AND A CEILING MEMBRANE BELOW,
7. EXTERIOR SHEATHING SHALL BE EITHER 1/2" APA-RATED PLYWOOD SHEATHING OR 1/2" STRUCTURAL FIBERBOARD SHEATHING
8. BRACED WALL PANELS SHALL BEGIN NO MORE THAN 12 1/2 FEET FROM EACH END OF THE BRACED WALL LINE
9. WOOD STRUCTURAL PANEL WALL SHEATHING MARKED "EXPOSURE 1" OR "EXTERIOR" ARE CONSIDERED WATER REPELLENT SHEATHING UNDER THE CODE
10. CORROSION-RESISTANT FLASHING SHALL BE INSTALLED TO ENSURE PROPER RUNOFF AND WATERPROOFING AT THESE LOCATIONS
    A) VALLEYS, MIN. 24" UP BOTH SLOPES
    B) ALL ROOF/WALL INTERSECTIONS MIN. 12" VERT.
    C) ALL ROOF PENETRATIONS
    D) WINDOW/DOOR HEADS
    E) SILLS AND THRESHOLDS
    F) MASONRY/FRAME WALL INTERSECTING
    G) OTHER AREAS AS PER PROPER CONSTRUCTION PRACTICE

## PLUMBING

1. ALL WORK TO COMPLY WITH THE CHAPTER 29 OF THE 2020 BUILDING CODE OF NEW YORK STATE (BCNYS) AND THE 2020 PLUMBING CODE OF NEW YORK STATE (PCNYS)
2. WATER HEATERS WITH VERTICAL PIPE RISERS SHALL HAVE A HEAT TRAP ON BOTH THE INLET & OUTLET OF THE WATER HEATER UNLESS THE WATER HEATER HAS AN INTEGRAL HEAT TRAP OR IS PART OF CIRCULATING SYSTEM.
3. PLUMBING AND DRAINAGE SYSTEM TO BE TESTED AS PER CODE.
4. ALL PLUMBING LINES IN EXTERIOR WALLS OR IN CONCEALED AREAS OR EXPOSED UNHEATED AREA TO BE INSULATED WITH R=5 BATTS MIN.

## ENERGY NOTES

BUILDING TO COMPLY WITH

- CHAPTER 13 OF THE 2020 BUILDING CODE OF NEW YORK STATE (BCNYS)
- COMMERCIAL PROVISIONS OF THE 22020 ENERGY CONSERVATION CODE OF NEW YORK STATE (ECCCNYS)

**SECTION 402 BUILDING THERMAL ENVELOPE**

BUILDING ENVELOPE TO COMPLY WITH SECTION C402 OF THE ENERGY CONSERVATION CODE OF NEW YORK STATE (ECCCNYS)

BUILDING ENVELOPE TO BE ACCORDING TO ATTACHED COMCHECK

THE THERMAL ENVELOPE OF BUILDINGS SHALL COMPLY WITH SECTIONSC402.5.1 THROUGH C402.5.8, OR THE BUILDING THERMAL ENVELOPE SHALL BE TESTED IN ACCORDANCE WITH ASTM E 779 AT A PRESSURE DIFFERENTIAL OF 0.3 INCH WATER GAUGE (75 PA) OR AN EQUIVALENT METHOD APPROVED BY THE CODE OFFICIAL AND DEEMED TO COMPLY WITH THE PROVISIONS OF THIS SECTION WHEN THE TESTED AIR LEAKAGE RATE OF THE BUILDING THERMAL ENVELOPE IS NOT GREATER THAN 0.40 CFM/FT2 (0.2 L/S · M2). WHERE COMPLIANCE IS BASED ON SUCH TESTING, THE BUILDING SHALL ALSO COMPLY WITH SECTIONS C402.5.5, C402.5.6 AND C402.5.7.

**SECTION C403 SYSTEMS**

BUILDING MECHANICAL SYSTEMS SHALL COMPLY WITH SECTION C403 OF THE ENERGY CONSERVATION CODE OF NEW YORK STATE (ECCCNYS)

HEAT PUMPS HAVING SUPPLEMENTARY ELECTRIC-RESISTANCE HEAT SHALL HAVE CONTROLS THAT, EXCEPT DURING DEFROST, PREVENT SUPPLEMENTAL HEAT OPERATION WHEN THE HEAT PUMP COMPRESSOR CAN MEET THE HEATING LOAD.

SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES AND WHERE LOCATED OUTSIDE THE BUILDING WITH A MINIMUM OF R-12 INSULATION (WHERE LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-12 INSULATION

SEALING: DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH EITHER THE INTERNATIONAL BUILDING CODE OR INTERNATIONAL RESIDENTIAL CODE, AS APPLICABLE.

MECHANICAL SYSTEMS AND EQUIPMENT SERVING THE BUILDING HEATING, COOLING OR VENTILATING NEEDS SHALL COMPLY WITH SECTIONS C403.2.1 THROUGH C403.2.16.

THE OUTPUT CAPACITY OF HEATING AND COOLING EQUIPMENT SHALL BE NOT GREATER THAN THE LOADS CALCULATED IN ACCORDANCE WITH SECTION C403.2.1. A SINGLE PIECE OF EQUIPMENT PROVIDING BOTH HEATING AND COOLING SHALL SATISFY THIS PROVISION FOR ONE FUNCTION WITH THE CAPACITY FOR THE OTHER FUNCTION AS SMALL AS POSSIBLE, WITHIN AVAILABLE EQUIPMENT OPTIONS.

DESIGN LOADS ASSOCIATED WITH HEATING, VENTILATING AND AIR CONDITIONING OF THE BUILDING SHALL BE DETERMINED IN ACCORDANCE WITH ANSI/ASHRAE/ACCA STANDARD 183 OR BY AN APPROVED EQUIVALENT COMPUTATIONAL PROCEDURE USING THE DESIGN PARAMETERS SPECIFIED IN CHAPTER 3. HEATING AND COOLING LOADS SHALL BE ADJUSTED TO ACCOUNT FOR LOAD REDUCTIONS THAT ARE ACHIEVED WHERE ENERGY RECOVERY SYSTEMS ARE UTILIZED IN THE HVAC SYSTEM IN ACCORDANCE WITH THE ASHRAE HVAC SYSTEMS AND EQUIPMENT HANDBOOK BY AN APPROVED EQUIVALENT COMPUTATIONAL PROCEDURE.

**SECTION C405 ELECTRICAL POWER AND LIGHTING SYSTEMS**

ALL ELECTRIC POWER AND LIGHTING TO COMPLY WITH SECTION C405 OF THE IECC

BUILDING TO HAVE TIME-SWITCH CONTROLS FOR ALL THE ROOMS ACCORDING TO SECTION C405.2.2 OF THE ICCC

EACH SPACE PROVIDED WITH TIME-SWITCH CONTROLS SHALL ALSO BE PROVIDED WITH A MANUAL CONTROL FOR LIGHT REDUCTION IN ACCORDANCE WITH SECTION C405.2.2.2. TIME-SWITCH CONTROLS SHALL INCLUDE AN OVERRIDE SWITCHING DEVICE THAT COMPLIES WITH THE FOLLOWING:

- HAVE A MINIMUM 7-DAY CLOCK.
- BE CAPABLE OF BEING SET FOR SEVEN DIFFERENT DAY TYPES PER WEEK.
- INCORPORATE AN AUTOMATIC HOLIDAY "SHUTOFF" FEATURE, WHICH TURNS OFF ALL CONTROLLED LIGHTING LOADS FOR AT LEAST 24 HOURS AND THEN RESUMES NORMALLY SCHEDULED OPERATIONS.
- HAVE PROGRAM BACKUP CAPABILITIES, WHICH PREVENT THE LOSS OF PROGRAM AND TIME SETTINGS FOR AT LEAST 10 HOURS, IF POWER IS INTERRUPTED.
- INCLUDE AN OVERRIDE SWITCH THAT COMPLIES WITH THE FOLLOWING:

1.1. THE OVERRIDE SWITCH SHALL BE A MANUAL CONTROL.
1.2. THE OVERRIDE SWITCH, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR NOT MORE THAN 2 HOURS.
1.3. ANY INDIVIDUAL OVERRIDE SWITCH SHALL CONTROL THE LIGHTING FOR AN AREA NOT LARGER THAN 5,000 SQUARE FEET (465 M2).

BUILDING TO BE EQUIPPED WITH LIGHT-REDUCTION CONTROLS ACCORDING TO SECTION C405.2.2.2

BUILDING TO BE EQUIPPED WITH DAYLIGHT RESPONSIVE CONTROLS ACCORDING TO SECTION C405.2.3 OF THE ECCCNYS

INTERNALLY ILLUMINATED EXIT SIGNS SHALL NOT BE MORE THAN 5 WATTS PER SIDE.

INTERIOR LIGHTING POWER SHALL BE ACCORDING TO SECTION C405.4 OF THE ICCC

EXTERIOR LIGHTING POWER SHALL BE ACCORDING TO SECTION C405.5 OF THE ICCC

## LOAD DESIGN

TABLE 1607.1
MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS AND CONCENTRATED LOADS
(In pounds per square foot)

| USE | LIVE LOAD | DEAD LOAD | LIVE DEFLECTION | DEAD DEFLECTION |
|---|---|---|---|---|
| ALL ROOMS NOT NOTED | 100 | 20 | L/480 | L/240 |
| ASSEMBLY (MOVEABLE SEATS) AND LOBBIES | 100 | 20 | L/600 | L/360 |
| DECKS | 100 | 20 | L/480 | L/240 |
| STAIRS [F] | 100 | 20 | L/480 | L/240 |
| GUARDRAILS AND HANDRAILS [Z] | 200 | | | |
| UNINHABITABLE ATTICS WITHOUT STORAGE [I] | 10 | 15 | L/360 | L/240 |
| UNINHABITABLE ATTICS WITH STORAGE [I,J,K] | 20 | 15 | L/360 | L/240 |

F. THE MINIMUM CONCENTRATED LOAD OF 300LB ON STAIR TREADS SHALL BE APPLIED ON AN AREA OF 2 INCHES BY 2 INCHES. THIS LOAD NEED NOT BE ASSUMED TO ACT CONCURRENTLY WITH THE UNIFORM LOAD.

H. SEE SECTION 1604.8.3 FOR DECKS ATTACHED TO EXTERIOR WALLS.

I. UNINHABITABLE ATTICS WITHOUT STORAGE ARE THOSE WHERE THE MAXIMUM CLEAR HEIGHT BETWEEN THE JOISTS AND RAFTERS IS LESS THAN 42 INCHES, OR WHERE THERE ARE NOT TWO OR MORE ADJACENT TRUSSES WITH WEB CONFIGURATIONS CAPABLE OF ACCOMMODATING AN ASSUMED RECTANGLE 42 INCHES IN HEIGHT BY 24 INCHES IN WIDTH, OR GREATER, WITHIN THE PLANE OF THE TRUSSES. THIS LIVE LOAD NEED NOT BE ASSUMED TO ACT CONCURRENTLY WITH ANY OTHER LIVE LOAD REQUIREMENTS.

J. UNINHABITABLE ATTICS WITH STORAGE ARE THOSE WHERE THE MAXIMUM CLEAR HEIGHT BETWEEN THE JOISTS AND RAFTERS IS 42 INCHES OR GREATER, OR WHERE THERE ARE TWO OR MORE ADJACENT TRUSSES WITH WEB CONFIGURATIONS CAPABLE OF ACCOMMODATING AN ASSUMED RECTANGLE 42 INCHES IN HEIGHT BY 24 INCHES IN WIDTH, OR GREATER, WITHIN THE PLANE OF THE TRUSSES.

THE LIVE LOAD NEED ONLY BE APPLIED TO THOSE PORTIONS OF THE JOISTS OR TRUSS BOTTOM CHORDS WHERE BOTH OF THE FOLLOWING CONDITIONS ARE MET:

I. THE ATTIC AREA IS ACCESSIBLE FROM AN OPENING NOT LESS THAN 20 INCHES IN WIDTH BY 30 INCHES IN LENGTH THAT IS LOCATED WHERE THE CLEAR HEIGHT IN THE ATTIC IS NOT LESS THAN 30 INCHES.
II. THE SLOPES OF THE JOISTS OR TRUSS BOTTOM CHORDS ARE NOT GREATER THAN TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL.

THE REMAINING PORTIONS OF THE JOISTS OR TRUSS BOTTOM CHORDS SHALL BE DESIGNED FOR A UNIFORMLY DISTRIBUTED CONCURRENT LIVE LOAD OF NOT LESS THAN 10 POUNDS PER SQUARE FOOT.

Z. HANDRAILS AND GUARDS SHALL BE DESIGNED TO RESIST A LINEAR LOAD OF 50 POUNDS PER LINEAR FOOT (PLF) (0.73 KN/M) IN ACCORDANCE WITH SECTION 4.5.1.1 OF ASCE 7. GLASS HANDRAIL ASSEMBLIES AND GUARDS SHALL COMPLY WITH SECTION 2407.

HANDRAILS AND GUARDS SHALL BE DESIGNED TO RESIST A CONCENTRATED LOAD OF 200 POUNDS (0.89 KN) IN ACCORDANCE WITH SECTION 4.5.1.1 OF ASCE 7.

INTERMEDIATE RAILS (ALL THOSE EXCEPT THE HANDRAIL), BALUSTERS AND PANEL FILLERS SHALL BE DESIGNED TO RESIST A CONCENTRATED LOAD OF 50 POUNDS (0.22 KN) IN ACCORDANCE WITH SECTION 4.5.1.1 OF ASCE 7.

## GENERAL NOTES:

- ALL EGRESS COMPONENTS TO COMPLY WITH CHAPTER 10 OF THE NYS FIRE CODE
- PROVIDE AN APPROVED TYPE KNOX BOX LISTED IN ACCORDANCE WITH UL 1037. KNOX BOX TO COMPLY WITH SECTION 506 OF THE NYS IFC

## FRAMING NOTES:

- ALL POSTS WITHIN A WALL TO HAVE AT LEAST 1 2x FOR EACH LVL IN BEAM ABOVE AND A MIN. OF 3
- ALL LVL SIZES ARE ON THE PLANS. LVL SHOULD BE MIN. 1.9E GRADE WITH A TENSION STRESS OF 1,555 PSI
- ALL 2X4 BEARING WALLS THAT SUPPORT MORE THAN 1 FLOOR OR ATTIC TO HAVE (2) ROWS OF BLOCKING (⅜" SPAN AND ⅔" SPAN). ALL 2x6 BEARING WALLS OR 2x4 WALLS THAT SUPPORT ONLY ONE FLOOR OR ATTIC TO HAVE (1) ROW OF BLOCKING (MID-SPAN)
- ALL FLUSH BEAMS TO BE ATTACHED TO PERPENDICULAR BEAMS AND JOISTS WITH PROPER FULL HEIGHT SIMPSON STRONG-TIE HANGERS
- PROVIDE DOUBLE JACK STUDS UNDER ALL HEADERS THAT ARE 48" LONG OR LONGER
- ALL DECK LUMBER TO BE PRESSURE TREATED
- ALL PRESSURE TREATED WOOD FASTENERS TO BE ZINC COATED GALVANIZED

## STAIRS NOTES:

- ALL STAIRWAYS TO COMPLY WITH SECTION 1011 OF BUILDING CODE.
- ALL STAIRWAYS SHALL BE BUILT OF MATERIALS CONSISTENT WITH THE TYPES PERMITTED FOR THE TYPE OF CONSTRUCTION OF THE BUILDING, EXCEPT THAT WOOD HANDRAILS SHALL BE PERMITTED FOR ALL TYPES OF CONSTRUCTION.
- THE WALKING SURFACE OF TREADS AND LANDINGS OF A STAIRWAY SHALL NOT BE SLOPED STEEPER THAN ONE UNIT VERTICAL IN 48 UNITS HORIZONTAL (2-PERCENT SLOPE) IN ANY DIRECTION. STAIRWAY TREADS AND LANDINGS SHALL HAVE A SOLID SURFACE. FINISH FLOOR SURFACES SHALL BE SECURELY ATTACHED.
- OUTDOOR STAIRWAYS AND OUTDOOR APPROACHES TO STAIRWAYS SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.

## RAMP NOTES:

- ALL RAMPS TO COMPLY WITH SECTION 1012 OF BUILDING CODE.
- THE CLEAR WIDTH OF A RAMP SHALL BE MINIMUM 44 INCHES AND THE CLEAR WIDTH BETWEEN HANDRAILS SHALL BE MINIMUM 36 INCHES,
- RAMPS SHALL NOT REDUCE IN WIDTH IN THE DIRECTION OF EGRESS TRAVEL. PROJECTIONS INTO THE REQUIRED RAMP AND LANDING WIDTH ARE PROHIBITED. DOORS OPENING ONTO A LANDING SHALL NOT REDUCE THE CLEAR WIDTH TO LESS THAN 42 INCHES
- THE RAMP LANDING LENGTH SHALL BE 60 INCHES MINIMUM.
- ALL RAMPS SHALL BE BUILT OF MATERIALS CONSISTENT WITH THE TYPES PERMITTED FOR THE TYPE OF CONSTRUCTION OF THE BUILDING, EXCEPT THAT WOOD HANDRAILS SHALL BE PERMITTED FOR ALL TYPES OF CONSTRUCTION.
- THE SURFACE OF RAMPS SHALL BE OF SLIP-RESISTANT MATERIALS THAT ARE SECURELY ATTACHED.
- OUTDOOR RAMPS AND OUTDOOR APPROACHES TO RAMPS SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.
- RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL HAVE HANDRAILS ON BOTH SIDES.
- EDGE PROTECTION: CURB, RAIL, WALL OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4-INCH-DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 INCHES OF THE FLOOR OR GROUND SURFACE.
- THE FLOOR OR GROUND SURFACE OF THE RAMP RUN OR LANDING SHALL EXTEND 12 INCHES (305 MM) MINIMUM BEYOND THE INSIDE FACE OF A HANDRAIL

## BATHROOM NOTES:

- ALL BATHROOMS FINISH MATERIALS TO COMPLY WITH SECTION 1209 OF NYS BUILDING CODE
- ALL BATHROOMS, WATER CLOSETS, GRAB BARS, DISPENSERS, SINKS, MIRRORS, AND URINALS TO COMPLY WITH SECTION 1109 OF THE NYS BUILDING CODE AND SECTION 6 OF THE ICC A117.1-2009

## EGRESS NOTES:

- EXIT DOOR TO COMPLY WITH SECTION 1010. DOOR HARDWARE TO COMPLY WITH SECTION 1010.1.9 OF NYS BUILDING CODE

## FIRE ALARM NOTES

- MANUAL FIRE ALARM BOXES SHALL BE LOCATED NOT MORE THAN 5 FEET (1524 MM) FROM THE ENTRANCE TO EACH EXIT. IN BUILDINGS NOT PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2, ADDITIONAL MANUAL FIRE ALARM BOXES SHALL BE LOCATED SO THAT THE DISTANCE OF TRAVEL TO THE NEAREST BOX DOES NOT EXCEED 200 FEET (60 960 MM).
- THE HEIGHT OF THE MANUAL FIRE ALARM BOXES SHALL BE NOT LESS THAN 42 INCHES (1067 MM) AND NOT MORE THAN 48 INCHES (1372 MM) MEASURED VERTICALLY, FROM THE FLOOR LEVEL TO THE ACTIVATING HANDLE OR LEVER OF THE BOX.
- A FIRE ALARM SYSTEM SHALL BE INSTALLED AND MONITORED IN ACCORDANCE WITH SECTIONS 907.6.1 THROUGH 907.6.6.2 AND NFPA 72.
- WIRING SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 70 AND NFPA 72. WIRELESS PROTECTION SYSTEMS UTILIZING RADIO-FREQUENCY TRANSMITTING DEVICES SHALL COMPLY WITH THE SPECIAL REQUIREMENTS FOR SUPERVISION OF LOW-POWER WIRELESS SYSTEMS IN NFPA 72.
- THE PRIMARY AND SECONDARY POWER SUPPLY FOR THE FIRE ALARM SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 72.
  EXCEPTION: BACK-UP POWER FOR SINGLE-STATION AND MULTIPLE-STATION SMOKE ALARMS AS REQUIRED IN SECTION 907.2.10.6.
- EACH FLOOR SHALL BE ZONED SEPARATELY AND A ZONE SHALL NOT EXCEED 22,500 SQUARE FEET (2090 M2). THE LENGTH OF ANY ZONE SHALL NOT EXCEED 300 FEET (91 440 MM) IN ANY DIRECTION.
  EXCEPTION: AUTOMATIC SPRINKLER SYSTEM ZONES SHALL NOT EXCEED THE AREA PERMITTED BY NFPA 13.
- A ZONING INDICATOR PANEL AND THE ASSOCIATED CONTROLS SHALL BE PROVIDED IN AN APPROVED LOCATION. THE VISUAL ZONE INDICATION SHALL LOCK IN UNTIL THE SYSTEM IS RESET AND SHALL NOT BE CANCELED BY THE OPERATION OF AN AUDIBLE-ALARM SILENCING SWITCH.
- FIRE ALARM SYSTEMS REQUIRED BY THIS CHAPTER OR BY THE FIRE CODE OF NEW YORK STATE SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72.
  EXCEPTION: MONITORING BY A SUPERVISING STATION IS NOT REQUIRED FOR:
1. SINGLE- AND MULTIPLE-STATION SMOKE ALARMS REQUIRED BY SECTION 907.2.10.
2. SMOKE DETECTORS IN GROUP I-3 OCCUPANCIES.
3. AUTOMATIC SPRINKLER SYSTEMS IN ONE- AND TWO-FAMILY DWELLINGS.

## FIRE DAMPERS NOTES

717.2 INSTALLATION
FIRE DAMPERS, SMOKE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS AND CEILING RADIATION DAMPERS LOCATED WITHIN AIR DISTRIBUTION AND SMOKE CONTROL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SECTION, THE MANUFACTURER'S INSTRUCTIONS AND THE DAMPERS' LISTING.

717.2.1 SMOKE CONTROL SYSTEM
WHERE THE INSTALLATION OF A FIRE DAMPER WILL INTERFERE WITH THE OPERATION OF A REQUIRED SMOKE CONTROL SYSTEM IN ACCORDANCE WITH SECTION 909, APPROVED ALTERNATIVE PROTECTION SHALL BE UTILIZED. WHERE MECHANICAL SYSTEMS INCLUDING DUCTS AND DAMPERS UTILIZED FOR NORMAL BUILDING VENTILATION SERVE AS PART OF THE SMOKE CONTROL SYSTEM, THE EXPECTED PERFORMANCE OF THESE SYSTEMS IN SMOKE CONTROL MODE SHALL BE ADDRESSED IN THE RATIONAL ANALYSIS REQUIRED BY SECTION 909.4.

717.2.2 HAZARDOUS EXHAUST DUCTS
FIRE DAMPERS FOR HAZARDOUS EXHAUST DUCT SYSTEMS SHALL COMPLY WITH THE MECHANICAL CODE OF NEW YORK STATE.

FIRE DAMPERS MUST COMPLY WITH THE REQUIREMENTS OF UL 555
SMOKE DAMPERS MUST COMPLY WITH THE REQUIREMENTS OF UL 555S AND CEILING RADIATION DAMPERS MUST COMPLY WITH THE REQUIREMENTS OF UL 555C.
THE HOURLY FIRE-PROTECTION RATING OF THE FIRE DAMPERS TO BE 1.5 HOUR

## DOOR NOTES

DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34 INCHES 864(MM) MINIMUM AND 48 INCHES 1219(MM) MAXIMUM ABOVE THE FINISHED FLOOR.

ALL DOORS SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT AND THAT THE UNLATCHING OF ANY LEAF MUST NOT REQUIRE MORE THAN ONE OPERATION.

THE FORCE FOR PUSHING OR PULLING OPEN INTERIOR SWINGING EGRESS DOORS, OTHER THAN FIRE DOORS, SHALL NOT EXCEED 5 POUNDS (22 N). THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION. FOR OTHER SWINGING DOORS, AS WELL AS SLIDING AND FOLDING DOORS, THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15-POUND (67 N) FORCE. THE DOOR SHALL BE SET IN MOTION WHEN SUBJECTED TO A 30-POUND (133 N) FORCE. THE DOOR SHALL SWING TO A FULL-OPEN POSITION WHEN SUBJECTED TO A 15-POUND (67 N) FORCE.

ALL DOORS REQUIRED TO BE ACCESSIBLE MUST NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.

ALL THRESHOLDS DO NOT EXCEED -0.5INCH IN HEIGHT. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES GREATER THAN 1/4 INCH (6.4 MM) AT DOORWAYS SHALL BE BEVELED WITH A SLOPE NOT GREATER THAN ONE UNIT VERTICAL IN TWO UNITS HORIZONTAL (50-PERCENT SLOPE).

DOORS FROM INDIVIDUAL DWELLING UNITS ARE EQUIPPED WITH A NIGHT LATCH, DEAD BOLT OR SECURITY CHAIN, PROVIDED SUCH DEVICES ARE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR TOOL.

SIDE-HINGED AND PIVOTED SWINGING FIRE DOOR ASSEMBLIES SHALL BE TESTED IN ACCORDANCE WITH NFPA (252USING POSITIVE PRESSURE METHOD AS SPECIFIED IN THE STANDARD) OR UL 10C.

## THERMAL- AND SOUND-INSULATING MATERIALS

720.1 GENERAL
INSULATING MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION. WHERE A FLAME SPREAD INDEX OR A SMOKE-DEVELOPED INDEX IS SPECIFIED IN THIS SECTION, SUCH INDEX SHALL BE DETERMINED IN ACCORDANCE WITH ASTM E84 OR UL 723. ANY MATERIAL THAT IS SUBJECT TO AN INCREASE IN FLAME SPREAD INDEX OR SMOKE-DEVELOPED INDEX BEYOND THE LIMITS HEREIN ESTABLISHED THROUGH THE EFFECTS OF AGE, MOISTURE OR OTHER ATMOSPHERIC CONDITIONS SHALL NOT BE PERMITTED. INSULATING MATERIALS, WHEN TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SECTION, SHALL INCLUDE FACINGS, WHEN USED, SUCH AS VAPOR RETARDERS, VAPOR PERMEABLE MEMBRANES AND SIMILAR COVERINGS, AND ALL LAYERS OF SINGLE AND MULTILAYER REFLECTIVE FOIL INSULATION AND SIMILAR MATERIALS.
EXCEPTIONS:
- FIBERBOARD INSULATION SHALL COMPLY WITH CHAPTER 23.
- FOAM PLASTIC INSULATION SHALL COMPLY WITH CHAPTER 26.
- DUCT AND PIPE INSULATION AND DUCT AND PIPE COVERINGS AND LININGS IN PLENUMS SHALL COMPLY WITH THE MECHANICAL CODE OF NEW YORK STATE.
- ALL LAYERS OF SINGLE AND MULTILAYER REFLECTIVE PLASTIC CORE INSULATION SHALL COMPLY WITH SECTION 2614.

720.2 CONCEALED INSTALLATION
INSULATING MATERIALS, WHERE CONCEALED AS INSTALLED IN BUILDINGS OF ANY TYPE OF CONSTRUCTION, SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450.

EXCEPTION: CELLULOSIC FIBER LOOSE-FILL INSULATION COMPLYING WITH THE REQUIREMENTS OF SECTION 720.6 SHALL NOT BE REQUIRED TO MEET A FLAME SPREAD INDEX REQUIREMENT BUT SHALL BE REQUIRED TO MEET A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 WHEN TESTED IN ACCORDANCE WITH CAN/ULC S102.2.

720.2.1 FACINGS
WHERE SUCH MATERIALS ARE INSTALLED IN CONCEALED SPACES IN BUILDINGS OF TYPE III, IV OR V CONSTRUCTION, THE FLAME SPREAD AND SMOKE-DEVELOPED LIMITATIONS DO NOT APPLY TO FACINGS, COVERINGS, AND LAYERS OF REFLECTIVE FOIL INSULATION THAT ARE INSTALLED BEHIND AND IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, WALL OR FLOOR FINISH.

EXCEPTION: ALL LAYERS OF SINGLE AND MULTILAYER REFLECTIVE PLASTIC CORE INSULATION SHALL COMPLY WITH SECTION 2614.

720.3 EXPOSED INSTALLATION
INSULATING MATERIALS, WHERE EXPOSED AS INSTALLED IN BUILDINGS OF ANY TYPE OF CONSTRUCTION, SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450.

EXCEPTION: CELLULOSIC FIBER LOOSE-FILL INSULATION COMPLYING WITH THE REQUIREMENTS OF SECTION 720.6 SHALL NOT BE REQUIRED TO MEET A FLAME SPREAD INDEX REQUIREMENT BUT SHALL BE REQUIRED TO MEET A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 WHEN TESTED IN ACCORDANCE WITH CAN/ULC S102.2.

720.3.1 ATTIC FLOORS
EXPOSED INSULATION MATERIALS INSTALLED ON ATTIC FLOORS SHALL HAVE A CRITICAL RADIANT FLUX OF NOT LESS THAN 0.12 WATT PER SQUARE CENTIMETER WHEN TESTED IN ACCORDANCE WITH ASTM E970.

720.4 LOOSE-FILL INSULATION
LOOSE-FILL INSULATION MATERIALS THAT CANNOT BE MOUNTED IN THE ASTM E84 OR UL 723 APPARATUS WITHOUT A SCREEN OR ARTIFICIAL SUPPORTS SHALL COMPLY WITH THE FLAME SPREAD AND SMOKE-DEVELOPED LIMITS OF SECTIONS 720.2 AND 720.3 WHEN TESTED IN ACCORDANCE WITH CAN/ULC S102.2.

EXCEPTION: CELLULOSIC FIBER LOOSE-FILL INSULATION SHALL NOT BE REQUIRED TO MEET A FLAME SPREAD INDEX REQUIREMENT WHEN TESTED IN ACCORDANCE WITH CAN/ULC S102.2, PROVIDED THAT SUCH INSULATION HAS A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 AND COMPLIES WITH THE REQUIREMENTS OF SECTION 720.6.

720.5 ROOF INSULATION
THE USE OF COMBUSTIBLE ROOF INSULATION NOT COMPLYING WITH SECTIONS 720.2 AND 720.3 SHALL BE PERMITTED IN ANY TYPE OF CONSTRUCTION PROVIDED THAT INSULATION IS COVERED WITH APPROVED ROOF COVERINGS DIRECTLY APPLIED THERETO.

720.6 CELLULOSIC FIBER LOOSE-FILL INSULATION AND SELF-SUPPORTED SPRAY-APPLIED CELLULOSIC INSULATION
CELLULOSIC FIBER LOOSE-FILL INSULATION AND SELF-SUPPORTED SPRAY-APPLIED CELLULOSIC INSULATION SHALL COMPLY WITH CPSC 16 CFR PARTS 1209 AND 1404. EACH PACKAGE OF SUCH INSULATING MATERIAL SHALL BE CLEARLY LABELED IN ACCORDANCE WITH CPSC 16 CFR PARTS 1209 AND 1404.

720.7 INSULATION AND COVERING ON PIPE AND TUBING
INSULATION AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450.
EXCEPTION: INSULATION AND COVERING ON PIPE AND TUBING INSTALLED IN PLENUMS SHALL COMPLY WITH THE MECHANICAL CODE OF NEW YORK STATE.

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PACKAGES AND CONTAINERS OF FOAM PLASTIC INSULATION AND FOAM PLASTIC INSULATION COMPONENTS DELIVERED TO THE JOB SITE SHALL BEAR THE LABEL OF AN APPROVED AGENCY SHOWING THE MANUFACTURER'S NAME, PRODUCT LISTING, PRODUCT IDENTIFICATION AND INFORMATION SUFFICIENT TO DETERMINE THAT THE END USE WILL COMPLY WITH THE CODE REQUIREMENTS.

UNLESS OTHERWISE INDICATED IN THIS SECTION, FOAM PLASTIC INSULATION AND FOAM PLASTIC CORES OF MANUFACTURED ASSEMBLIES SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 75 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 WHERE TESTED IN THE MAXIMUM THICKNESS INTENDED FOR USE IN ACCORDANCE WITH ASTM E84 OR UL 723. LOOSE FILL-TYPE FOAM PLASTIC INSULATION SHALL BE TESTED AS BOARD STOCK FOR THE FLAME SPREAD AND SMOKE-DEVELOPED INDICES.

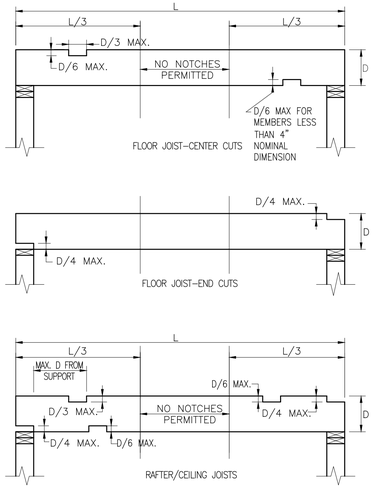
TABLE 2304.10.1 FASTENING SCHEDULE

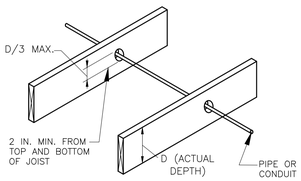
| DESCRIPTION OF BUILDING ELEMENTS | NUMBER AND TYPE OF FASTENER | SPACING AND LOCATION |
|---|---|---|
| **Roof** | | |
| 1. Blocking between ceiling joists, rafters or trusses to top plate or other framing below | 3-8d common (21/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3"14 gage staples, 7/16" crown | Each end, toenail |
| Blocking between rafters or truss not at the wall top plate, to rafter or truss | 2-8d common (21/2" × 0.131") 2-3" × 0.131" nails 2-3" 14 gage staples | Each end, toenail |
| | 2-16 d common (31/2" × 0.162") 3-3" × 0.131" nails 3-3" 14 gage staples | End nail |
| Flat blocking to truss and web filler | 16d common (31/2" × 0.162") @ 6" o.c. 3" × 0.131" nails @ 6" o.c. 3" × 14 gage staples @ 6" o.c | Face nail |
| 2. Ceiling joists to top plate | 3-8d common (21/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown | Each joist, toenail |
| 3. Ceiling joist not attached to parallel rafter, laps over partitions (no thrust) (see Section 2308.7.3.1, Table 2308.7.3.1) | 3-16d common (31/2" × 0.162"); or 4-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown | Face nail |
| 4. Ceiling joist attached to parallel rafter (heel joint) (see Section 2308.7.3.1, Table 2308.7.3.1) | Per Table 2308.7.3.1 | Face nail |
| 5. Collar tie to rafter | 3-10d common (3" × 0.148"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown | Face nail |
| 6. Rafter or roof truss to top plate (See Section 2308.7.5, Table 2308.7.5) | 3-10 common (3" × 0.148"); or 3-16d box (31/2" × 0.135"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131 nails; or 4-3" 14 gage staples, 7/16" crown | Toenailc |
| 7. Roof rafters to ridge valley or hip rafters; or roof rafter to 2-inch ridge beam | 2-16d common (31/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown; or | End nail |
| | 3-10d common (3" × 0.148"); or 4-16d box (31/2" × 0.135"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown | Toenail |
| **Wall** | | |
| 8. Stud to stud (not at braced wall panels) | 16d common (31/2" × 0.162"); | 24" o.c. face nail |
| | 10d box (3" × 0.128"); or 3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown | 16" o.c. face nail |
| 9. Stud to stud and abutting studs at intersecting wall corners (at braced wall panels) | 16d common (31/2" × 0.162"); or | 16" o.c. face nail |
| | 16d box (31/2" × 0.135"); or | 12" o.c. face nail |
| | 3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown | 12" o.c. face nail |
| 10. Built-up header (2" to 2" header) | 16d common (31/2" × 0.162"); or | 16" o.c. each edge, face nail |
| | 16d box (31/2" × 0.135") | 12" o.c. each edge, face nail |
| 11. Continuous header to stud | 4-8d common (21/2" × 0.131"); or 4-10d box (3" × 0.128") | Toenail |
| 12. Top plate to top plate | 16d common (31/2" × 0.162"); or | 16" o.c. face nail |
| | 10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown | 12" o.c. face nail |
| 13. Top plate to top plate, at end joints | 8-16d common (31/2" × 0.162"); or 12-10d box (3" × 0.128"); or 12-3" × 0.131" nails; or 12-3" 14 gage staples, 7/16" crown | Each side of end joint, face nail (minimum 24" lap splice length each side of end joint) |
| 14. Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels) | 16d common (31/2" × 0.162"); or | 16" o.c. face nail |
| | 16d box (31/2" × 0.135"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown | 12" o.c. face nail |
| 15. Bottom plate to joist, rim joist, band joist or blocking at braced wall panels | 2-16d common (31/2" × 0.162"); or 3-16d box (31/2" × 0.135"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown | 16" o.c. face nail |
| 16. Stud to top or bottom plate | 4-8d common (21/2" × 0.131"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown; or | Toenail |
| | 2-16d common (31/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown | End nail |
| 17. Top plates, laps at corners and intersections | 2-16d common (31/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown | Face nail |
| 18.1" brace to each stud and plate | 2-8d common (21/2" × 0.131"); or 2-10d box (3" × 0.128"); or 2-3" × 0.131" nails; or 2-3" 14 gage staples, 7/16" crown | Face nail |
| 19.1" × 6" sheathing to each bearing | 2-8d common (21/2" × 0.131"); or 2-10d box (3" × 0.128") | Face nail |
| 20.1" × 8" and wider sheathing to each bearing | 3-8d common (21/2" × 0.131"); or 3-10d box (3" × 0.128") | Face nail |
| **Floor** | | |
| 21. Joist to sill, top plate, or girder | 3-8d common (21/2" × 0.131"); or floor 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown | Toenail |
| 22. Rim joist, band joist, or blocking to top plate, sill or other framing below | 8d common (21/2" × 0.131"); or 10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown | 6" o.c., toenail |
| 23.1" × 6" subfloor or less to each joist | 2-8d common (21/2" × 0.131"); or 2-10d box (3" × 0.128") | Face nail |
| 24.2" subfloor to joist or girder | 2-16d common (31/2" × 0.162") | Face nail |
| 25. 2" planks (plank & beam — floor & roof) | 2-16d common (31/2" × 0.162") | Each bearing, face nail |
| 26. Built-up girders and beams, 2" lumber layers | 10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown | 24" o.c. face nail at top and bottom staggered on opposite sides |
| | And; 2-20d common (4" × 0.192"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown | Ends and at each splice, face nail |
| 27. Ledger strip supporting joists or rafters | 3-16d common (31/2" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown | Each joist or rafter, face nail |
| 28. Joist to band joist or rim joist | 3-16d common (31/2" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown | End nail |
| 29. Bridging or blocking to joist, rafter or truss | 2-8d common (21/2" × 0.131"); or 2-10d box (3" × 0.128"); or 2-3" × 0.131" nails; or 2-3" 14 gage staples, 7/16" crown | Each end, toenail |

Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framinga

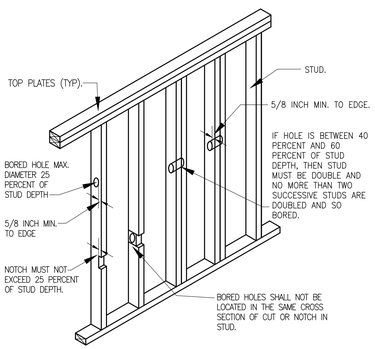
| | | Edges (inches) | Intermediate supports (inches) |
|---|---|---|---|
| 30. 3/8" — 1/2" | 6d common or deformed (2" × 0.113") (subfloor and wall) | 6 | 12 |
| | 8d common or deformed (21/2" × 0.131") (roof) or RSRS-01 (23/8" × 0.113") nail (roof)d | 6 | 12 |
| | 23/8" × 0.113" nail (subfloor and wall) | 6 | 12 |
| | 13/4" 16 gage staple, 7/16" crown (subfloor and wall) | 4 | 8 |
| | 23/8" × 0.113" nail (roof) | 4 | 8 |
| | 13/4" 16 gage staple, 7/16" crown (roof) | 3 | 6 |
| 31. 19/32" — 3/4" | 8d common (21/2" × 0.131"); or 6d deformed (2" × 0.113") (subfloor and wall) | 6 | 12 |
| | 8d common or deformed (21/2" × 0.131") (roof) or RSRS-01 (23/8" × 0.113") nail (roof)d | 6 | 12 |
| | 23/8" × 0.113" nail, or 2" 16 gage staple, 7/16" crown | 4 | 8 |
| 32. 7/8" — 1 1/4" | 10d common (3" × 0.148"); or 8d deformed (21/2" × 0.131") | 6 | 12 |
| **Other exterior wall sheathing** | | | |
| 33. 1/2" fiberboard sheathing b | 11/2" galvanized roofing nail (7/16" head diameter); or 1 1/4" 16 gage staple with 7/16" or 1" crown | 3 | 6 |
| 34. 25/32" fiberboard sheathing b | 13/4" galvanized roofing nail (7/16" diameter head); or 11/2" 16 gage staple with 7/16" or 1" crown | 3 | 6 |
| **Wood structural panels, combination subfloor underlayment to framing** | | | |
| 35. 3/4" and less | 8d common (21/2" × 0.131"); or 6d deformed (2" × 0.113") | 6 | 12 |
| 36. 7/8" — 1" | 8d common (21/2" × 0.131"); or 8d deformed (21/2" × 0.131") | 6 | 12 |
| 37. 1 1/8" — 1 1/4" | 10d common (3" × 0.148"); or 8d deformed (21/2" × 0.131") | 6 | 12 |
| **Panel siding to framing** | | | |
| 38. 1/2" or less | 6d corrosion-resistant siding (1?8" × 0.106"); or 6d corrosion-resistant casing (2" × 0.099") | 6 | 12 |
| 39. 5/8" | 8d corrosion-resistant siding (23/8" × 0.128"); or 8d corrosion-resistant casing (21/2" × 0.113") | 6 | 12 |
| Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framinga Interior paneling | | | |
| 40. 1/2" | 4d casing (11/2" × 0.080"); or 4d finish (11/2" × 0.072") | 6 | 12 |
| 41. 3/8" | 6d casing (2" × 0.099"); or 6d finish (Panel supports at 24 inches) | 6 | 12 |

For SI: 1 inch = 25.4 mm.
a. Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. For nailing of wood structural panel and particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.
b. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked).
c. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the rafter shall be permitted to be reduced by one nail.
d. RSRS-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.

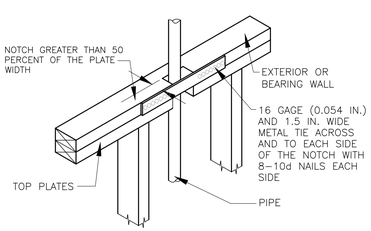



1 A-103 NOTCHING DETAILS
SCALE : 1/2" = 1'-0"




2 A-103 EXTERIOR WALL PENETRATION
SCALE : N.T.S.




3 A-103 TOP PLATE PENETRATION
SCALE: N.T.S.


Hartman Design
COMMERCIAL - RESIDENTIAL
412 N. MAIN STREET, SUITE 301
MONROE NY 10950 845-781-4222
LARRY@HARTMANDESIGN.COM


SEAL

LICENSE NO: 082844



PROPOSED HOUSE OF WORSHIP FOR:
**CONG. TORAS EMOREI ZAHAV**
**ANSHEI CHESED**
62 LIME KILN RD, VILLAGE OF WESLEY HILLS
ROCKLAND COUNTY, NEW YORK

WRITTEN STATEMENT

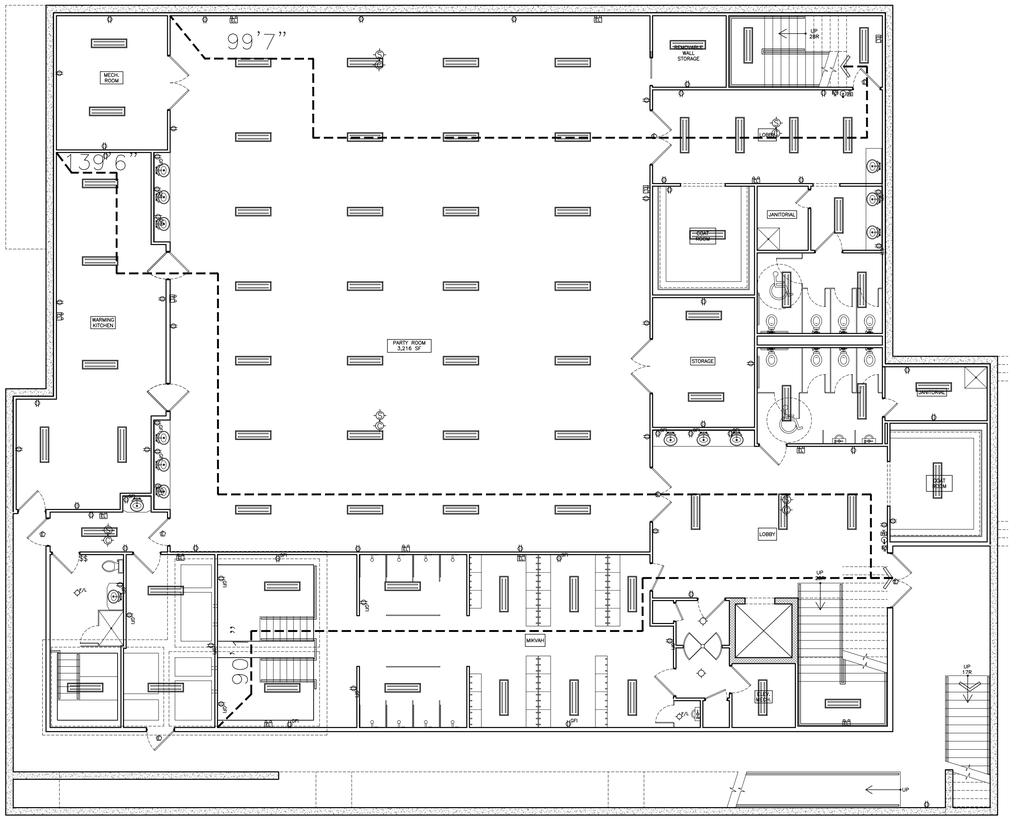
TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE AND THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AS CURRENTLY IN EFFECT.

Project No. YZI02
Drawn By: LH
Reviewed By: JR
Date JUN. 29, 2025

REVISIONS:

6/29/2023 RELEASED FOR PERMITS
11-2-2023 REVISED AS PER CLIENT
11-28-2023 REVISED AS PER CLIENT
12-27-2023 REVISED AS PER B.D.

SP-02

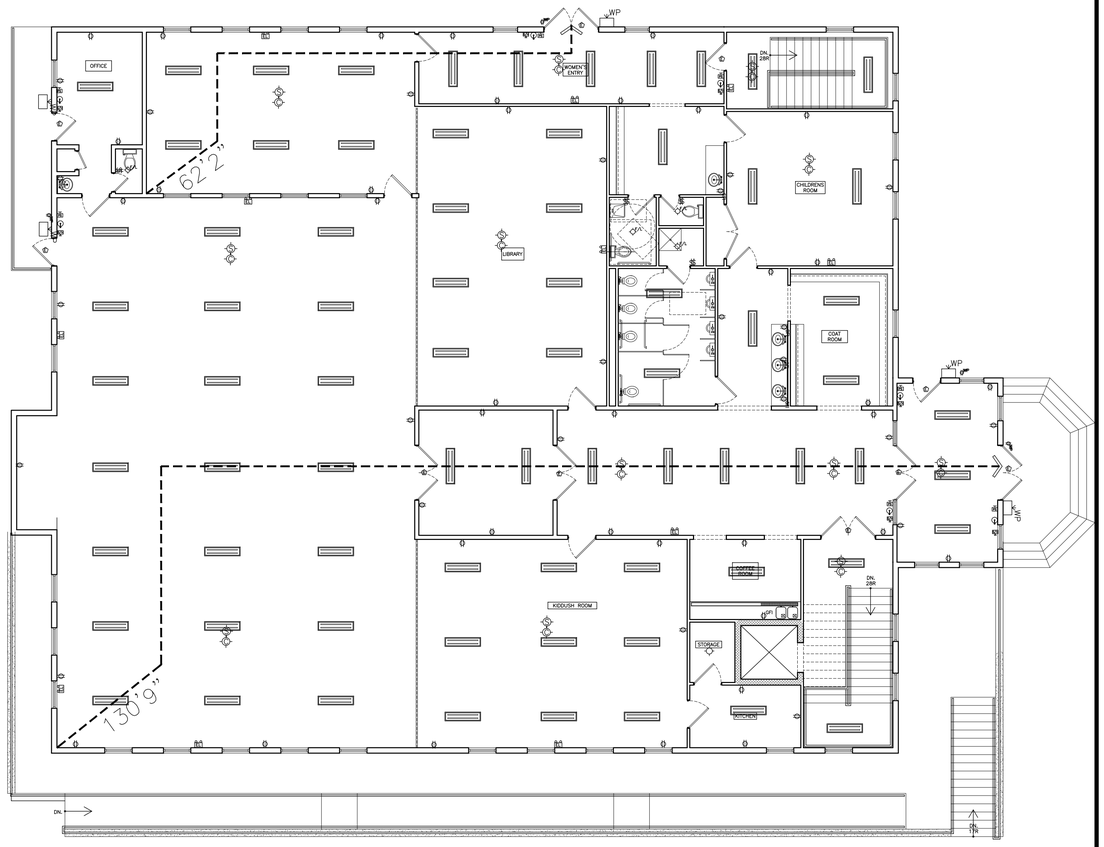



1 E-101 BASEMENT FLOOR ELECTRICAL PLAN

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

## ELECTRICAL SYMBOLS

- $ — SINGLE POLE SWITCH
- $^3$ — 3 WAY SWITCH
- ⌽ — DUPLEX OUTLET
- — EXTERIOR OUTLET IN WATERPROOF BOX W/ LID
- $⌽^{GFI}$ — GROUND FAULT INTERRUPT OUTLET
- EL — BATTERY POWERED EMERGENCY LIGHTS
- WP EL — WATERPROOF BATTERY POWERED EMERGENCY LIGHTS
- E — SELF-LUMINATION SIGN WITH SELF-CONTAINED BATTERY BACK-UP POWER SOURCE
- WP — EXTERIOR WALL MOUNTED SURFACE INCANDESCENT LIGHT FIXTURE W/ WATERPROOF COVER
- — CEILING MOUNTED SURFACE INCANDESCENT LIGHT FIXTURE AS SELECTED BY OWNER
- WP — CEILING MOUNTED WATERPROOF AND VAPOR TIGHT LINEAR FLUORESCENT 4 BULB 48" LONG T8 32W FIXTURE
- — CEILING MOUNTED LINEAR FLUORESCENT 4 BULB 48" LONG T8 32W FIXTURE
- F/L — CEILING MOUNTED DUCTED EXHAUST FAN W/ LIGHT FIXTURE
- — HARD WIRED INTERCONNECTED SMOKE DETECTOR— CEILING MOUNTED SMOKE DETECTOR TO BE AUDIO AND VISUAL
- — INTERCONNECTED CARBON MONOXIDE DETECTOR CEILING MOUNTED CARBON MONOXIDE DETECTOR TO BE AUDIO AND VISUAL




2 E-101 FIRST FLOOR ELECTRICAL PLAN

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

- D — DUST DETECTORS SMOKE
- WP — EXTERIOR WALL MOUNTED SURFACE INCANDESCENT LIGHT FIXTURE W/ WATERPROOF COVER
- R — CEILING MOUNTED RECESSED LED LIGHT FIXTURE AS SELECTED BY OWNER
- WP R — CEILING MOUNTED WATERPROOF RECESSED LED LIGHT FIXTURE AS SELECTED BY OWNER
- H/S — HORN/STROBE
- STB — HORN/STROBE
- PS — PULL STATION
- ANN — ANNUNCIATOR PANEL


Hartman Design
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LARRY@HARTMANDESIGN.COM


SEAL

LICENSE NO: 082844



PROPOSED HOUSE OF WORSHIP FOR:

# CONG. TOREI ZAHAV ANSHEI CHESED

62 LIME KILN RD, VILLAGE OF WESLEY HILLS
ROCKLAND COUNTY, NEW YORK

WRITTEN STATEMENT

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE AND THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AS CURRENTLY IN EFFECT.

Project No. YZI02
Drawn By: LH
Reviewed By: JR
Date JUN. 29, 2025

REVISIONS:

6/29/2023 RELEASED FOR PERMITS
11-2-2023 REVISED AS PER CLIENT
11-28-2023 REVISED AS PER CLIENT
12-27-2023 REVISED AS PER B.D.

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