

DRAWING SHEET LIST

A.I: COVER SHEET

A.2: FOUNDATION PLAN

A.3: FIRST FLOOR PLAN

A.4: SECOND FLOOR PLAN

A.5: ROOF PLAN

A.6: ELEVATIONS

A.7: ELEVATIONS

A.S: SECTION, PLUM, RISER, DETAILS

A.9: STRAPPING DETAILS

A.IO: CONSTRUCTION SCHEDULES

A.II: CONSTRUCTION NOTES

A.12: SEALING DETAILS

A.13: TJI DETAILS

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH:

■ THE 2020 RESIDENTIAL CODE OF NYS

■ THE MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTERS 12-23 OF THE 2020 RESIDENTIAL CODE OF NYS

■ THE PLUMBING SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTERS 25-33 OF THE 2020 RESIDENTIAL CODE OF NYS

■ THE ELECTRICAL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTERS 34-42 OF THE 2020 RESIDENTIAL CODE OF NYS

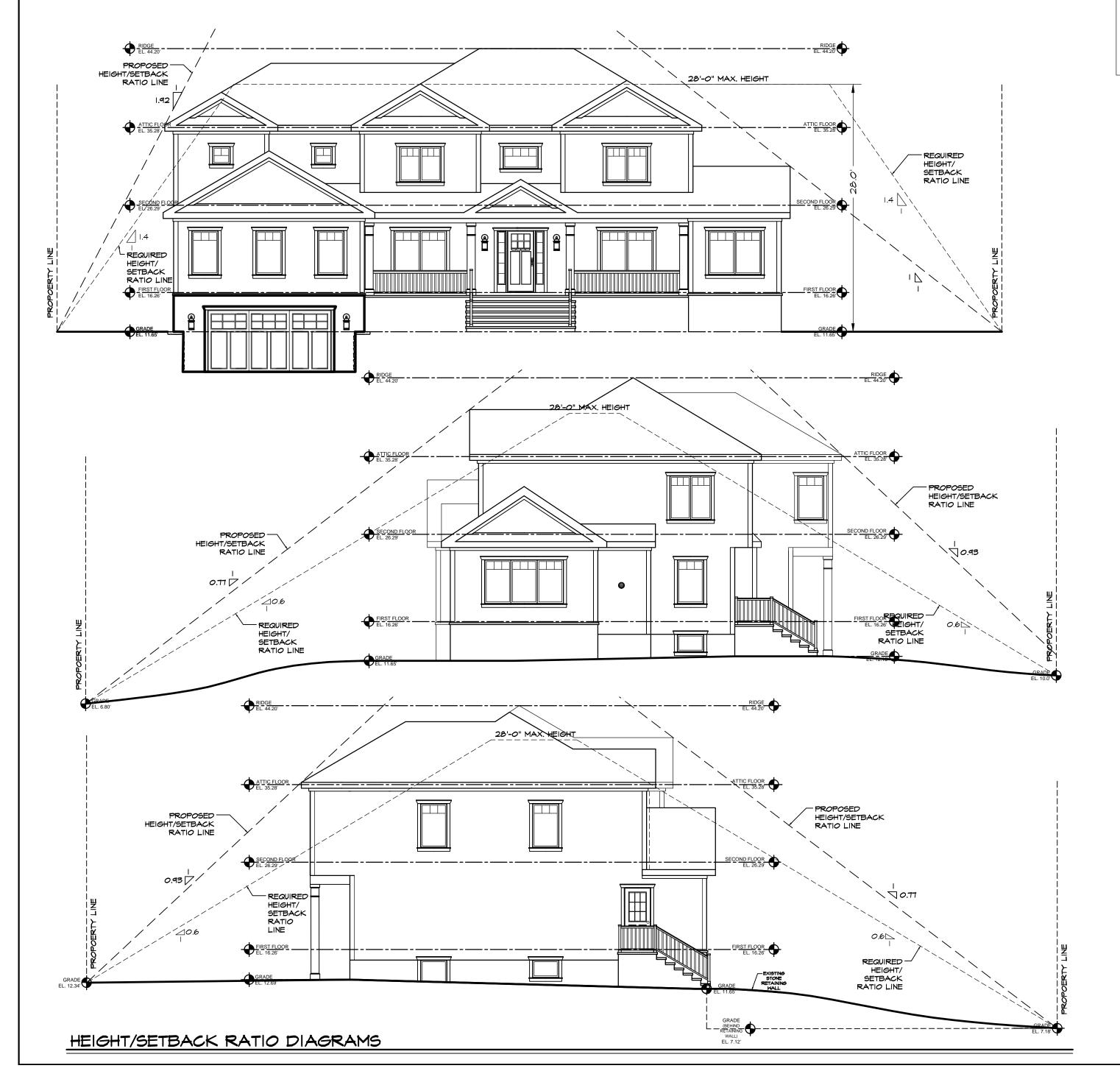
■ IN ACCORDANCE WITH 2018 IECC RESIDENTIAL ENERGY EFFICIENCY CODE

■ THE PROJECT COMPLIANCE METHOD CHOSEN IS TOTAL UA-ALTERNATIVE AND A

RESCHECK HAS BEEN SUBMITTED WITH THESE DRAWINGS.

FOUNDATIONS CHAPTER 4; DESIGN BASED UPON PRESUMPTIVE LOAD BEARING VALUES OF SANDY GRAVEL AND/OR GRAVEL AT 2000 LBS PER SQUARE FOOT. CONTRACTOR TO CONSULT ENGINEER IF DIFFERENT SOIL MATERIALS ARE FOUND UPON EXCAVATION OR TEST HOLE, FOR ALTERNATIVE FOOTING AND FOUNDATION WALL DESIGN

			WIND E	PESIGN			SUBJE	ECT TO DAMAG	SE					
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA TABLE R301.2(I)	GROUND SNOW LOAD		TOPOG RAPHIC EFFECTS k		BORN	SEISMIC DESIGN CATEGORY F	WEATHERING a	FROST LINE DEPTH 6	TERMITE ^C	WINTER DESIGN TEMP 2	ICE BARRIER REQUIRED ^b	FLOOD HAZARDS ⁹	AIR FREEZING INDEX ¹	MEAN ANNUAL TEMP J
2020 RESIDENTIAL CODE OF NYS	<u>25</u>	130vult	NO.	<u>NO</u>	L MILE FROM COAST	ΙŒ	SEVERE	BOF 3 FT BFG	MOD TO HEAVY	SEE BELOW	YES	N/A	<u>599</u>	<u>51</u>



ZONING INFORMATION

VILLAGE OF WOODSBURGH SECTION: 41 BLOCK: 45 LOT(S): 22

323113	N: 41 BLOCK: 4:	201(3). 22	
ZONE: RES. B	REQUIRED	EXISTING	PROPOSED
LOT AREA	14,500 SQ.FT.	12,352.6 SQ.FT.	NO CHANGE
FRONTAGE	100 FT.	119.72 FT.	NO CHANGE
FRONT YARD	35 FT.	39.7 FT.	NO CHANGE
REAR YARD	25 FT.	29.82 FT.	25.16 FT.
SIDE YARD (MIN)	15 FT.	13.2 FT.	NO CHANGE
BUILDING HEIGHT	28 FT./2.5 STRY	-	28 FT.
LOT COVERAGE	15 %	18.3 %	35.9 %
IMPERVIOUS COVERAGE	2995.2 SQ.FT.	2324 SQ.FT.	4189 SQ.FT.
FLOOR AREA	3,091.7 SQ.FT.	3,100 SQ.FT.	4,015 SQ.FT.
HT./STBK. RATIO (FRONT)	0.6	-	0.77
HT./STBK. RATIO (SIDE)	1.4	-	1.92

LOT COVERAGE

100.86

PLAT. I STORY N PLAT.

10.0

12" PERFORATED

550 LF PIPE TOTAL

× 6.80

38.2

PROPOSED

TWO STORY

RESIDENCE

NO. 811

F.F.EL.: 16.26'

32.9

100.32' (ACTUAL)

100.60' (TAX)

KEENE LANE

LOT COV.

2,072

1,943

232

28

165

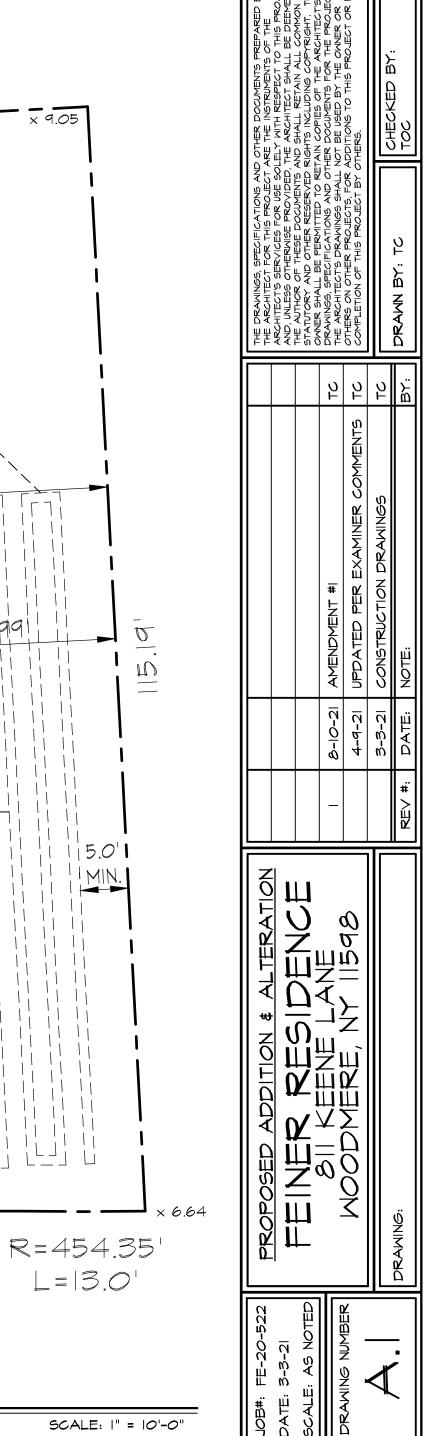
4440 SQ.FT.

35.9 %

DRIVEWAY FRONT WALKWAY SIDE WALKWAY BRICK PATIO SIDE LANDING/STEPS	352.6 SQ.F 775 225 310 348
FRONT WALKWAY SIDE WALKWAY BRICK PATIO	225 310
SIDE WALKWAY BRICK PATIO	310
BRICK PATIO	
	348
SIDE LANDING/STEPS	J-10
	28
SIDE WALKWAY/STEPS (FROM ABOVE LANDING)	34
REAR LANDING/STEPS	165
PROPOSED FRONT PORCH	232
FIRST FLOOR FOOTPRINT	2,072

FLOOR ARE	<u>A</u>
ONE: RES. B	LOT COV.
OT AREA	12,352.6 SQ.FT.
ROPOSED IST FLOOR	2,072
ROPOSED 2ND FLOOR	1,943
OTAL	4,015 SQ.FT.

FLOOR ARE	<u>A</u>
ONE: RES. B	LOT COV.
OT AREA	12,352.6 SQ.FT.
ROPOSED IST FLOOR	2,072
ROPOSED 2ND FLOOR	1,943
OTAL	4,015 SQ.FT.



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ZONE: RES. B DRAINAGE DESIGN CRITERIA: 12,352.6 SQ.FT.

17.8

GARAGE UNDER SLAB EL.: +6.9

12

LOT AREA

TOTAL

PROPOSED IST FLOOR

PROPOSED 2ND FLOOR

SIDE LANDING/STEPS

REAR LANDING/STEPS

PROPOSED FRONT PORCH

. ROOF & PAVEMENT RUNOFF COEFFICIENT = .167 2. PROVIDE STORAGE FOR 3" RAINFALL

3. 12" PIPE CAPACITY = 0.785 CF/ LF

4. ALL ROOF DRAINS SHALL BE A 4" P SDR 35 PVC AT

A MIN. SLOPE OF 1.0% UNLESS OTHERWISE NOTED

STORM WATER RUNOFF CALCULATION DRAINAGE REQUIRED

202.88

PLOT PLAN

TOTAL BUILDING AREA: 2500 XO.167 = 418 CF

12"Φ PIPE 550 LF X 0.785 CF/LF = 432 CF

TOTAL CAPACITY PROVIDED = 432 CF > 418 CF

STAIRS & GUARD NOTE:

(TO COMPLY WITH 2020 RESIDENTIAL CODE OF NYS -R3|| AND R3|2)

-STAIRWAYS SHALL NOT BE LESS THAN 36" IN CLEAR WIDTH ABOVE THE PERMITTED HANDRAIL HEIGHT AND BELOW THE REQUIRED HEADROOM HEIGHT

-MINIMUM HEADROOM HEIGHT TO BE 6'-8" -MAX. RISER SHALL NOT EXCEED 81/4" -MIN. TREAD SHALL NOT BE LESS THAN 9' -STAIR PROFILE: NOSINGS SHALL NOT BE LESS THAN ¾" NOT MORE THAN 以" -HANDRAILS SHALL BE PROVIDED ON AT

LEAST ONE SIDE OF EACH STAIRWAY WITH TWO OR MORE RISERS. TOP OF HANDRAIL SHALL NOT BE LESS THAN 34" AND NOT MORE THAN 38". ALL REQUIRED HANDRAILS SHALL BE CONTINUOUS TO THE FULL LENGTH OF THE STAIRS FROM DIRECTLY ABOVE THE TOP RISER OF A FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1/5" BETWEEN THE WALL AND THE HANDRAIL HANDRAILS SHALL NOT PROJECT MORE THAN 4/5" ON EITHER SIDE OF THE STAIRWAY. -GUARDS/RAILINGS ARE REQUIRED FOR ANY

-GUARDS/RAILINGS SHALL NOT HAVE A GAP OF PASSAGE OF MORE THAN 4" O.C. -BOTTOM RAIL TO TREADS SHALL NOT HAVE A GAP OF PASSAGE OF MORE THAN 6" SPHERE

SURFACE 30" ABOVE FLOOR OR GRADE

PROVIDE STAIRWAY LIGHTING AS PER SECTION R303.7 INTERIOR STAIRWAY ILLUMINATION: INTERIOR STAIRWAYS SHALL BE PROVIDED WITH AN ARTIFICIAL LIGHT SOURCE TO ILLUMINATE THE LANDINGS AND TREADS. THE LIGHT SOURCE SHALL BE CAPABLE OF ILLUMINATING TREADS AND LANDINGS TO LEVELS OF NOT LESS THAN I FOOT-CANDLE (II LUX) AS MEASURED AT THE ENTER OF TREADS AND LANDINGS. THERE SHALL BE A WALL SWITCH AT EACH FLOOR LEVEL TO CONTROL THE LIGHT SOURCE WHERE THE STAIRWAY HAS SIX OR MORE RISERS

R302.7. UNDER STAIR PROTECTION. ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS, UNDER STAIRS SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 5" GYPSUM BOARD

MAINTAIN 6'-8" CLEARANCE OVER STAIR PER CODE. (NOTE: 6'-4" PROJECTIONS INTO REQUIRED 6'-8" HEIGHT PERMITTED PER CODE)

WALL KEY

 $\equiv \equiv \equiv$ EXIST TO BE REMOVED EXIST TO REMAIN

NEW WOOD FRAME CNST NEW POURED CONCRETE

4"x4" POST UNLESS OTHERWISE NOTED

HOLD DOWN AS NOTED

BE INSTALLED IN BUILDINGS AS

GENERAL NOTES I. CARBON MONOXIDE ALARMS AND CARBON MONOXIDE DETECTORS SHALL

REQUIRED IN ACCORDANCE WITH SECTION 915.2 OF 2020 FIRE CODE OF NYS (CARBON MONOXIDE DETECTION SYSTEMS) FOR RESIDENTIAL BUILDINGS . INTER-WIRED FIRE/SMOKE AND CARBON MONOXIDE DETECTORS WITH BATTERY BACKUP AS PER NFPA 72 AND 2020 RESIDENTIAL CODE OF NYS CODE SEC. R314 AND R315 SHALL BE INSTALLED IN DWELLING UNITS OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE

VICINITY OF THE BEDROOMS. WHERE A FUEL-BURNING APPLIANCE IS LOCATED WITHIN A BEDROOM OR ITS ATTACHED BATHROOM, CARBON MONOXIDE DETECTION SHALL BE INSTALLED WITHIN THE BEDROOM.

2. ALL ELECTRIC WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C.

4. ALL CONDITIONS AND DIMENSIONS TO BE VERIFIED IN FIELD BY THE GENERAL CONTRACTOR AND REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO START OR CONTINUATION OF WORK

5. NO GALV. NAILS OR CONNECTORS IN ACQ. LUMBER ARE PERMITTED. ALL CONNECTORS AND FASTENERS FOR ACQ TO PROTECT AGAINST THE LUMBER MUST BE STAINLESS STEEL OR HOT DIPPED GALVANIZED G-185.

BATTERY BACK-UP AS PER SECT R314 2020 RESIDENTIAL CODE OF NYS AND NFPA 72 HARD WIRED CARBON MONOXIDE

HARD WIRED SMOKE DETECTOR W/

DETECTOR W/ BATTERY BACK-UP MIN 12" A.F.F. AS PER SECT. R315 2020 RESIDENTIAL CODE OF NYS AND SECTION 915 OF 2020 FIRE CODE OF

80 CFM FAN TO EXTERIOR

* DENOTES EGRESS WINDOW

6. AS PER 2020 RESIDENTIAL

CODE OF NYS SEC. R310 EACH

HABITABLE ROOM SHALL HAVE AT LEAST ONE OPERABLE WINDOW FOR EMERGENCY EGRESS WITH A MINIMUM

CLEAR OPENING OF 5.7 SQ. FT. (GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM CLEAR OPENING OF 5.0 SQ. FT.). THE MIN. HT. OF OPENINGS TO BE 24" AND MINIMUM WIDTH TO BE 20" AND THE BOTTOM OF OPENINGS NO HIGHER THAN 3'-8"

7. ALL WOOD POSTS SHALL BE BUILT UP WITH (2) 2X4'S NAILED TOGETHER W/ 10d NAILS @ 8" O.C. UNLESS OTHERWISE

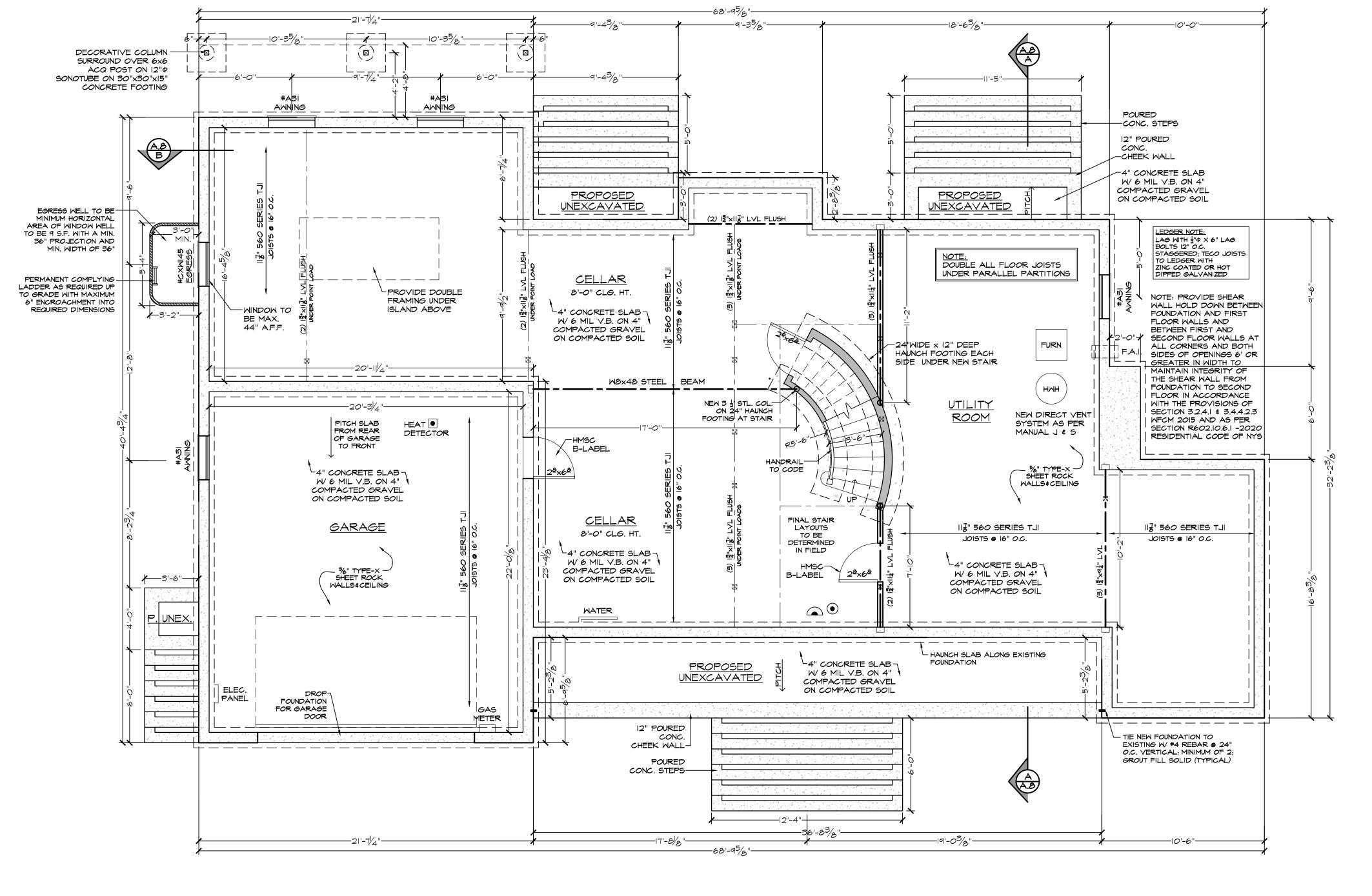
8. ALL FRAMING SHALL COMPLY WITH THE 2020 RESIDENTIAL CODE OF NYS

9. ALL EXTERIOR PORCH/DECK/ STAIR FRAMING TO BE ACQ LUMBER-U.O.N.

10. ALL ANCHORS, STRAPPING AND CONNECTORS AND HARDWARE TO BE SIMPSON STRONG TIE OR AN APPROVED MANUFACTURE AND TO BE INSTALLED AS PER MANUFACTURE WRITTEN

INSTRUCTIONS- UNLESS OTHERWISE NOTED

II. ALL ENGINEERED LUMBER TO BE CLADDED AND SEAL AS REQUIRED WEATHER ENVIRONMENT



PROPOSED FOUNDATION PLAN

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



STAIRS & GUARD NOTE: (TO COMPLY WITH 2020 RESIDENTIAL CODE OF NYS -R311 AND R312) -STAIRWAYS SHALL NOT BE LESS THAN 36" IN CLEAR WIDTH ABOVE THE PERMITTED HANDRAIL HEIGHT AND BELOW THE REQUIRED

HEADROOM HEIGHT -MINIMUM HEADROOM HEIGHT TO BE 6'-8" -MAX. RISER SHALL NOT EXCEED 81/41 -MIN. TREAD SHALL NOT BE LESS THAN 9' -STAIR PROFILE: NOSINGS SHALL NOT BE LESS THAN ¾" NOT MORE THAN ¼" -HANDRAILS SHALL BE PROVIDED ON AT LEAST ONE SIDE OF EACH STAIRWAY WITH TWO OR MORE RISERS. TOP OF HANDRAIL SHALL NOT BE LESS THAN 34" AND NOT MORE THAN 38". ALL REQUIRED HANDRAILS SHALL BE CONTINUOUS TO THE FULL LENGTH OF THE STAIRS FROM DIRECTLY ABOVE THE TOP RISER OF A FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1/5" BETWEEN THE WALL AND THE HANDRAIL HANDRAILS SHALL NOT PROJECT MORE THAN 4/5" ON EITHER SIDE OF THE STAIRWAY -GUARDS/RAILINGS ARE REQUIRED FOR ANY SURFACE 30" ABOVE FLOOR OR GRADE -GUARDS/RAILINGS SHALL NOT HAVE A GAP OF PASSAGE OF MORE THAN 4" O.C. -BOTTOM RAIL TO TREADS SHALL NOT HAVE A

PROVIDE STAIRWAY LIGHTING AS PER SECTION R303.7 INTERIOR STAIRWAY ILLUMINATION: INTERIOR STAIRWAYS SHALL BE PROVIDED WITH AN ARTIFICIAL LIGHT SOURCE TO ILLUMINATE THE LANDINGS AND TREADS. THE LIGHT SOURCE SHALL BE CAPABLE OF ILLUMINATING TREADS AND LANDINGS TO LEVELS OF NOT LESS THAN I FOOT-CANDLE (II LUX) AS MEASURED AT THE ENTER OF TREADS AND LANDINGS. THERE SHALL BE A WALL SWITCH AT EACH FLOOR LEVEL TO CONTROL THE LIGHT SOURCE WHERE THE STAIRWAY HAS SIX OR MORE RISERS

GAP OF PASSAGE OF MORE THAN 6" SPHERE

R302.7. UNDER STAIR PROTECTION. ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS, UNDER STAIRS SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 5" GYPSUM BOARD

MAINTAIN 6'-8" CLEARANCE OVER STAIR PER CODE. (NOTE: 6'-4" PROJECTIONS INTO REQUIRED 6'-8" HEIGHT PERMITTED PER CODE)

WALL KEY \equiv \equiv EXIST TO BE REMOVED HARD WIRED SMOKE DETECTOR W/ BATTERY BACK-UP AS PER SECT. R314 2020 RESIDENTIAL CODE OF EXIST TO REMAIN NYS AND NEPA 72 NEW WOOD FRAME CNST HARD WIRED CARBON MONOXIDE DETECTOR W/ BATTERY BACK-UP MIN NEW POURED CONCRETE 12" A.F.F. AS PER SECT. R315 2020 RESIDENTIAL CODE OF NYS AND 4"x4" POST UNLESS OTHERWISE SECTION 915 OF 2020 FIRE CODE OF NOTED 80 CFM FAN TO EXTERIOR

GENERAL NOTES

HOLD DOWN AS NOTED

DETECTION SHALL BE INSTALLED

2. ALL ELECTRIC WORK SHALL BE

TO BE VERIFIED IN FIELD BY THE

PERFORMED IN STRICT ACCORDANCE

4. ALL CONDITIONS AND DIMENSIONS

GENERAL CONTRACTOR AND REPORT

5. NO GALY. NAILS OR CONNECTORS IN

LUMBER MUST BE STAINLESS STEEL OR

ANY DISCREPANCIES TO ARCHITECT

PRIOR TO START OR CONTINUATION

ACQ. LUMBER ARE PERMITTED. ALL

HOT DIPPED GALVANIZED G-185.

WITH THE LATEST EDITION OF THE N.E.C.

WITHIN THE BEDROOM.

OF WORK

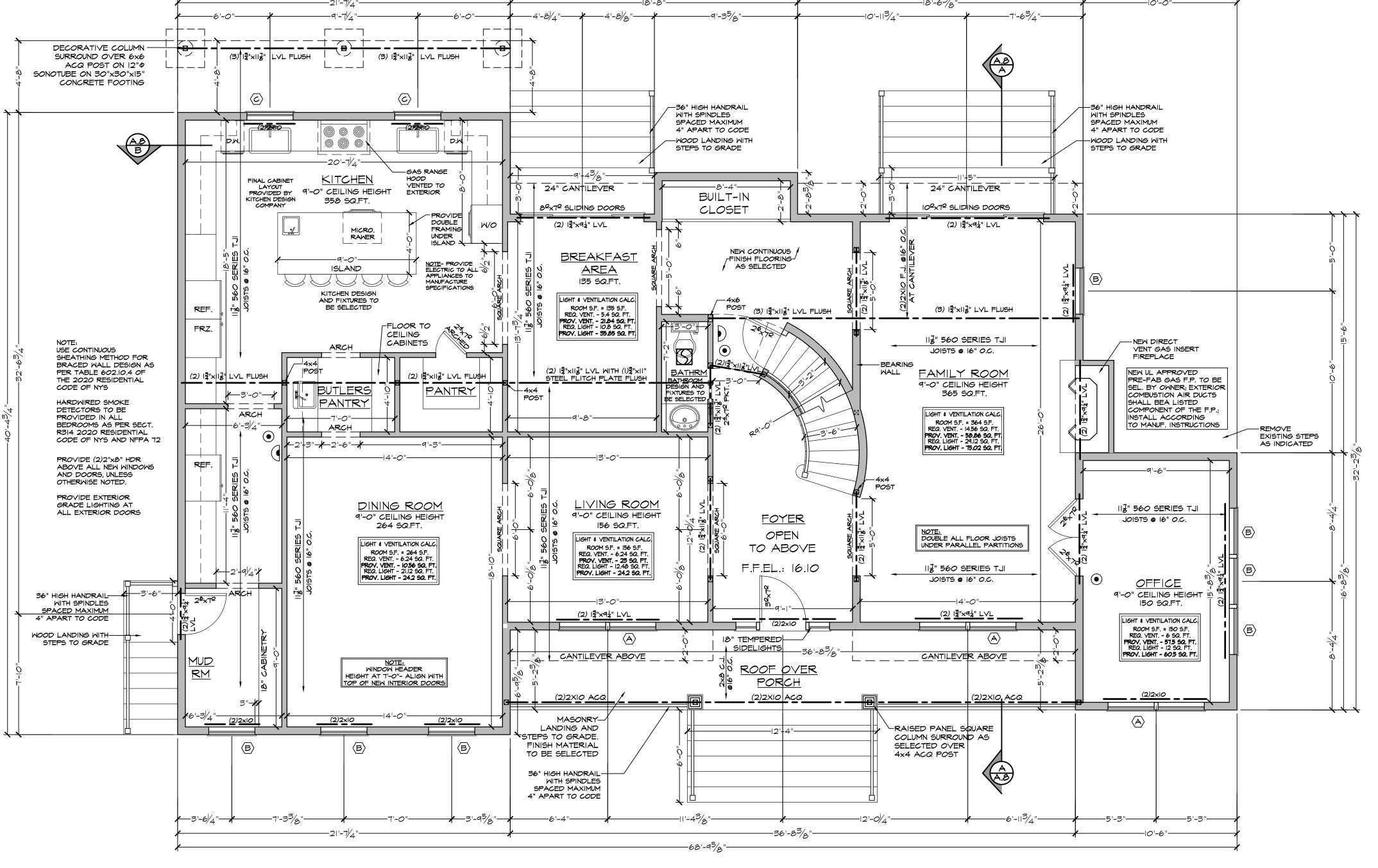
I. CARBON MONOXIDE ALARMS AND 6. AS PER 2020 RESIDENTIAL CARBON MONOXIDE DETECTORS SHALL BE INSTALLED IN BUILDINGS AS REQUIRED IN ACCORDANCE WITH SECTION 915.2 OF 2020 FIRE CODE OF NYS (CARBON MONOXIDE DETECTION SYSTEMS) FOR RESIDENTIAL BUILDINGS . INTER-WIRED FIRE/SMOKE AND CARBON MONOXIDE DETECTORS WITH BATTERY BACKUP AS PER NFPA 72 AND 2020 RESIDENTIAL CODE OF NYS CODE SEC. R314 AND R315 SHALL BE INSTALLED IN DWELLING UNITS OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE VICINITY OF THE BEDROOMS. WHERE A

FUEL-BURNING APPLIANCE IS LOCATED WITHIN A BEDROOM OR ITS ATTACHED BATHROOM, CARBON MONOXIDE

* DENOTES EGRESS WINDOW

10. ALL ANCHORS, STRAPPING AND

MEATHER ENVIRONMENT



PROPOSED FIRST FLOOR PLAN

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

			INDO	W S	CHEI	D U L E			
	MANUFACTURER	MINDOM TYPE	MODEL NUMBER	ROUGH OPENING	UNIT DIMENSION	COMMENTS	QUANTITY	U-FACTOR	SHGC
	ANDERSEN	CASEMENT	CXW25	6'-0 ½"x5'-0 ½"	5'- 5"x4'- 7"	EGRESS	3	0.24	0.21
	ANDERSEN	CASEMENT	CXMI5	3'-0 ½"x5'-0 ½"	2'- <u> 5</u> "×4'- 7 "	EGRESS	13	0.24	0.21
	ANDERSEN	CASEMENT	CXMI35	3'-0 ½"x3'-5 🗟"	2'- <u>5</u> "x3'-4 <u>5</u> "		2	0.24	0.21
	ANDERSEN	CASEMENT	CM24	4'-9"x4'-0 ½"	4'- 8 ½"x4'-0"	EGRESS TEMPERED IN WET AREA	2	0.24	0.21
	ANDERSEN	CASEMENT	CW25	4'-9"x5'-0 है"	4'- 8 ½"×4'- ½"	EGRESS	I	0.24	0.21
(D) (±)	ANDERSEN	CASEMENT	CI2	2'-0 5"x2'-0 5"	2'-0 ½"x2'-0 ½"	TEMPERED IN WET AREA	1	0.24	0.21
(H)	ANDERSEN	PICTURE	APW4028	4'-0"×2'-8"	3'-11 ¼"×2'-7 ¼"		I	0.24	0.21

NOTE: VERIFY ROUGH OPENING, AND UNIT DIMENSIONS WITH MANUFACTURE PRIOR TO ORDERING * THESE UNITS MEET OR EXCEED THE FOLLOWING DIMENSIONS: CLEAR OPENABLE AREA OF 5.7 SQ. FT., CLEAR OPENABLE WIDTH OF 20", AND A CLEAR OPENABLE HEIGHT OF 24"; SILL HEIGHT NOT TO EXCEED 44" A.F.F.

 $|\wp|$

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CODE OF NYS SEC. R310 EACH HABITABLE ROOM SHALL HAVE AT LEAST ONE OPERABLE WINDOW FOR 5.0 SQ. FT.). THE MIN. HT. OF

EMERGENCY EGRESS WITH A MINIMUM CLEAR OPENING OF 5.7 SQ. FT. (GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM CLEAR OPENING OF OPENINGS TO BE 24" AND MINIMUM WIDTH TO BE 20" AND THE BOTTOM OF OPENINGS NO HIGHER THAN 3'-8"

> 7. ALL WOOD POSTS SHALL BE BUILT UP WITH (2) 2X4'S NAILED TOGETHER W/ 10d NAILS @ 8" O.C. UNLESS OTHERWISE

8. ALL FRAMING SHALL COMPLY WITH THE 2020 RESIDENTIAL CODE OF NYS

9. ALL EXTERIOR PORCH/DECK/ STAIR FRAMING TO BE ACQ LUMBER-U.O.N.

CONNECTORS AND HARDWARE TO BE SIMPSON STRONG TIE OR AN APPROVED MANUFACTURE AND TO BE INSTALLED AS PER MANUFACTURE WRITTEN INSTRUCTIONS- UNLESS OTHERWISE NOTED

II. ALL ENGINEERED LUMBER TO BE CONNECTORS AND FASTENERS FOR ACQ TO PROTECT AGAINST THE CLADDED AND SEAL AS REQUIRED STAIRS & GUARD NOTE:

(TO COMPLY WITH 2020 RESIDENTIAL CODE OF NYS

-R3|| AND R3|2)
-STAIRWAYS SHALL NOT BE LESS THAN 36" IN CLEAR WIDTH ABOVE THE PERMITTED HANDRAIL HEIGHT AND BELOW THE REQUIRED HEADROOM HEIGHT

-MINIMUM HEADROOM HEIGHT TO BE 6'-8"
-MAX. RISER SHALL NOT EXCEED 8\(\frac{1}{4}\)"
-MIN. TREAD SHALL NOT BE LESS THAN 9"
-STAIR PROFILE: NOSINGS SHALL NOT BE LESS
THAN 3\(\frac{3}{4}\)" NOT MORE THAN 1\(\frac{1}{4}\)"

-HANDRAILS SHALL BE PROVIDED ON AT LEAST ONE SIDE OF EACH STAIRWAY WITH TWO OR MORE RISERS. TOP OF HANDRAIL SHALL NOT BE LESS THAN 34" AND NOT MORE THAN 38". ALL REQUIRED HANDRAILS SHALL BE CONTINUOUS TO THE FULL LENGTH OF THE STAIRS FROM DIRECTLY ABOVE THE TOP RISER OF A FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1/2" BETWEEN THE WALL AND THE HANDRAIL.

TERMINATE IN NEWEL POSTS OR SAFETY
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4/2" ON EITHER SIDE OF THE STAIRWAY.
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GYPSUM BOARD

MAINTAIN 6'-8" CLEARANCE OVER STAIR PER CODE. (NOTE: 6'-4" PROJECTIONS INTO REQUIRED 6'-8" HEIGHT PERMITTED PER CODE)

MALL KEY

= = EXIST TO BE REMOVED

NEW WOOD FRAME CNST

4"x4" POST UNLESS OTHERWISE NOTED

HOLD DOWN AS NOTED

I. CARBON MONOXIDE ALARMS AND

CARBON MONOXIDE DETECTORS SHALL
BE INSTALLED IN BUILDINGS AS
REQUIRED IN ACCORDANCE WITH
SECTION 915.2 OF 2020 FIRE
CODE OF NYS (CARBON MONOXIDE
DETECTION SYSTEMS) FOR
RESIDENTIAL BUILDINGS . INTER-WIRED
FIRE/SMOKE AND CARBON MONOXIDE
DETECTORS WITH BATTERY BACKUP AS
PER NFPA 72 AND 2020 RESIDENTIAL
CODE OF NYS CODE SEC. R314 AND
R315 SHALL BE INSTALLED IN
DWELLING UNITS OUTSIDE OF EACH
SEPARATE SI FEPING AREA IN THE

DWELLING UNITS OUTSIDE OF EACH
SEPARATE SLEEPING AREA IN THE
VICINITY OF THE BEDROOMS. WHERE A
FUEL-BURNING APPLIANCE IS LOCATED
WITHIN A BEDROOM OR ITS ATTACHED
BATHROOM, CARBON MONOXIDE
DETECTION SHALL BE INSTALLED
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2. ALL ELECTRIC WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C.

4. ALL CONDITIONS AND DIMENSIONS

TO BE VERIFIED IN FIELD BY THE
GENERAL CONTRACTOR AND REPORT
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5. NO GALV. NAILS OR CONNECTORS IN ACQ. LUMBER ARE PERMITTED. ALL CONNECTORS AND FASTENERS FOR ACQ LUMBER MUST BE STAINLESS STEEL OR HOT DIPPED GALVANIZED G-185.

HARD WIRED SMOKE DETECTOR W/BATTERY BACK-UP AS PER SECT.
R314 2020 RESIDENTIAL CODE OF NYS AND NFPA 72

HARD WIRED CARBON MONOXIDE
DETECTOR W/ BATTERY BACK-UP MIN
12" A.F.F. AS PER SECT. R315 2020
RESIDENTIAL CODE OF NYS AND
SECTION 915 OF 2020 FIRE CODE OF
NYS

80 CFM FAN TO EXTERIOR

* DENOTES EGRESS WINDOW

6. AS PER 2020 RESIDENTIAL

CODE OF NYS SEC. R310 EACH HABITABLE ROOM SHALL HAVE AT LEAST ONE OPERABLE WINDOW FOR EMERGENCY EGRESS WITH A MINIMUM CLEAR OPENING OF 5.7 SOLET

EMERGENCY EGRESS WITH A MINIMUM CLEAR OPENING OF 5.7 SQ. FT. (GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM CLEAR OPENING OF 5.0 SQ. FT.). THE MIN. HT. OF OPENINGS TO BE 24" AND MINIMUM WIDTH TO BE 20" AND THE BOTTOM OF OPENINGS NO HIGHER THAN 3'-8"

7. ALL WOOD POSTS SHALL BE BUILT UP WITH (2) 2X4'S NAILED TOGETHER W/ IOd NAILS @ 8" O.C. UNLESS OTHERWISE NOTED

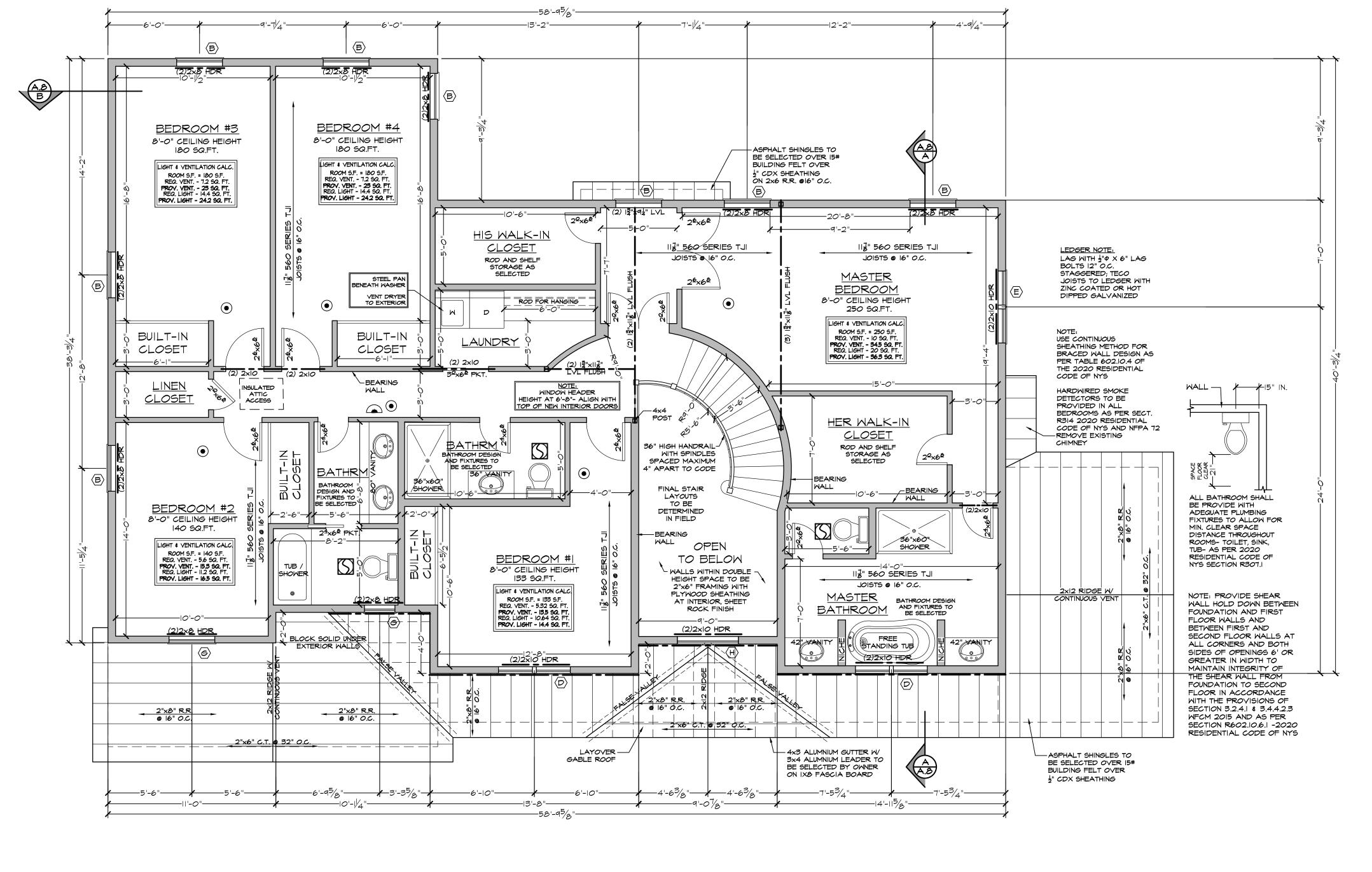
8. ALL FRAMING SHALL COMPLY WITH THE 2020 RESIDENTIAL CODE OF NYS

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IO. ALL ANCHORS, STRAPPING AND CONNECTORS AND HARDWARE TO BE SIMPSON STRONG TIE OR AN APPROVED MANUFACTURE AND TO BE INSTALLED AS PER MANUFACTURE WRITTEN INSTRUCTIONS- UNLESS OTHERWISE NOTED

II. ALL ENGINEERED LUMBER TO BE CLADDED AND SEAL AS REQUIRED TO PROTECT AGAINST THE

MEATHER ENVIRONMENT



PROPOSED SECOND FLOOR PLAN

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

		<u> </u>	N N D C) W 5	CHEI	D U L E			
	MANUFACTURER	WINDOW TYPE	MODEL NUMBER	ROUGH OPENING	UNIT DIMENSION	COMMENTS	QUANTITY	U-FACTOR	SHGC
$\langle \mathbb{A} \rangle$	ANDERSEN	CASEMENT	CXM25	6'-0 ½"x5'-0 3"	5'- 충"×4'- 경"	EGRESS	3	0.24	0.21
	ANDERSEN	CASEMENT	CXWI5	3'-0 ½"x5'-0 ½"	2'- 5 ×4'- 7	EGRESS	13	0.24	0.21
≅∖[ANDERSEN	CASEMENT	CXWI35	3'-0 ½"x3'-5 🐉	2'- II <u> 5</u> "x3'-4 <u> 8</u> "		2	0.24	0.21
ᆰ	ANDERSEN	CASEMENT	CW24	4'-9"×4'-0 ½"	4'- 8 ½"×4'-0"	EGRESS TEMPERED IN WET AREA	2	0.24	0.21
	ANDERSEN	CASEMENT	CM25	4'-9"×5'-0 है"	4'- 8 ½"×4'- 7"	EGRESS	I	0.24	0.21
(b) (c) (d)	ANDERSEN	CASEMENT	CI2	2'-0 \$"x2'-0 \$"	2'-0 ½"×2'-0 ½"	TEMPERED IN WET AREA	I	0.24	0.21
$ \langle H \rangle $	ANDERSEN	PICTURE	APW4028	4'-0"x2'-8"	3'-11 ¼"×2'-7 ¼"		I	0.24	0.21

NOTE: VERIFY ROUGH OPENING, AND UNIT DIMENSIONS WITH MANUFACTURE PRIOR TO ORDERING

* THESE UNITS MEET OR EXCEED THE FOLLOWING DIMENSIONS: CLEAR OPENABLE AREA OF

5.7 SQ. FT., CLEAR OPENABLE WIDTH OF 20", AND A CLEAR OPENABLE HEIGHT OF 24";

SILL HEIGHT NOT TO EXCEED 44" A.F.F.

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| 8-IO-2| AMENDMENT #| TC | 4-9-2| UPDATED PER EXAMINER COMMENTS TC | 3-3-2| CONSTRUCTION DRAMINGS | TC |

PROPOSED ADDITION & ALTERATIC FEINER RESIDENCE SII KEENE LANE MOODMERE, NY 11598



STAIRS & GUARD NOTE:

(TO COMPLY WITH 2020 RESIDENTIAL CODE OF NYS -R311 AND R312)

-STAIRWAYS SHALL NOT BE LESS THAN 36" IN CLEAR WIDTH ABOVE THE PERMITTED HANDRAIL HEIGHT AND BELOW THE REQUIRED HEADROOM HEIGHT

-MINIMUM HEADROOM HEIGHT TO BE 6'-8" -MAX. RISER SHALL NOT EXCEED 81/4" -MIN. TREAD SHALL NOT BE LESS THAN 9" -STAIR PROFILE: NOSINGS SHALL NOT BE LESS THAN ¾" NOT MORE THAN 以"

-HANDRAILS SHALL BE PROVIDED ON AT LEAST ONE SIDE OF EACH STAIRWAY WITH TWO OR MORE RISERS. TOP OF HANDRAIL SHALL NOT BE LESS THAN 34" AND NOT MORE THAN 38". ALL REQUIRED HANDRAILS SHALL BE CONTINUOUS TO THE FULL LENGTH OF THE STAIRS FROM DIRECTLY ABOVE THE TOP RISER OF A FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE

FLIGHT. ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1/5" BETWEEN THE WALL AND THE HANDRAIL HANDRAILS SHALL NOT PROJECT MORE THAN 4/2" ON EITHER SIDE OF THE STAIRWAY. -GUARDS/RAILINGS ARE REQUIRED FOR ANY

OF PASSAGE OF MORE THAN 4" O.C. -BOTTOM RAIL TO TREADS SHALL NOT HAVE A GAP OF PASSAGE OF MORE THAN 6" SPHERE

-GUARDS/RAILINGS SHALL NOT HAVE A GAP

SURFACE 30" ABOVE FLOOR OR GRADE.

PROVIDE STAIRWAY LIGHTING AS PER SECTION R303.7 INTERIOR STAIRWAY ILLUMINATION: INTERIOR STAIRWAYS SHALL BE PROVIDED WITH AN ARTIFICIAL LIGHT SOURCE TO ILLUMINATE THE LANDINGS AND TREADS. THE LIGHT SOURCE SHALL BE CAPABLE OF ILLUMINATING TREADS AND LANDINGS TO LEVELS OF NOT LESS THAN I FOOT-CANDLE (II LUX) AS MEASURED AT THE ENTER OF TREADS AND LANDINGS. THERE SHALL BE A WALL SWITCH AT EACH FLOOR LEVEL TO CONTROL THE LIGHT SOURCE WHERE THE STAIRWAY HAS SIX OR MORE RISERS

R302.7. UNDER STAIR PROTECTION. ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS, UNDER STAIRS SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 5" GYPSUM BOARD

MAINTAIN 6'-8" CLEARANCE OVER STAIR PER CODE. (NOTE: 6'-4" PROJECTIONS INTO REQUIRED 6'-8" HEIGHT PERMITTED PER CODE)

WALL KEY

 $\equiv \equiv \equiv$ EXIST TO BE REMOVED EXIST TO REMAIN

NEW WOOD FRAME CNST NEW POURED CONCRETE

4"x4" POST UNLESS OTHERWISE NOTED

HOLD DOWN AS NOTED

GENERAL NOTES

I. CARBON MONOXIDE ALARMS AND CARBON MONOXIDE DETECTORS SHALL BE INSTALLED IN BUILDINGS AS REQUIRED IN ACCORDANCE WITH SECTION 915.2 OF 2020 FIRE CODE OF NYS (CARBON MONOXIDE DETECTION SYSTEMS) FOR RESIDENTIAL BUILDINGS . INTER-WIRED

FIRE/SMOKE AND CARBON MONOXIDE DETECTORS WITH BATTERY BACKUP AS PER NFPA 72 AND 2020 RESIDENTIAL CODE OF NYS CODE SEC. R314 AND R315 SHALL BE INSTALLED IN DWELLING UNITS OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE VICINITY OF THE BEDROOMS. WHERE A FUEL-BURNING APPLIANCE IS LOCATED WITHIN A BEDROOM OR ITS ATTACHED BATHROOM, CARBON MONOXIDE DETECTION SHALL BE INSTALLED WITHIN THE BEDROOM.

2. ALL ELECTRIC WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C.

4. ALL CONDITIONS AND DIMENSIONS TO BE VERIFIED IN FIELD BY THE GENERAL CONTRACTOR AND REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO START OR CONTINUATION OF WORK

5. NO GALV. NAILS OR CONNECTORS IN ACQ. LUMBER ARE PERMITTED. ALL CONNECTORS AND FASTENERS FOR ACQ TO PROTECT AGAINST THE LUMBER MUST BE STAINLESS STEEL OR HOT DIPPED GALVANIZED G-185.

DETECTOR W/ BATTERY BACK-UP MIN 12" A.F.F. AS PER SECT. R315 2020 RESIDENTIAL CODE OF NYS AND SECTION 915 OF 2020 FIRE CODE OF

HARD WIRED CARBON MONOXIDE

HARD WIRED SMOKE DETECTOR W/

BATTERY BACK-UP AS PER SECT. R314 2020 RESIDENTIAL CODE OF

NYS AND NFPA 72

80 CFM FAN TO EXTERIOR

* DENOTES EGRESS WINDOW

6. AS PER 2020 RESIDENTIAL CODE OF NYS SEC. R310 EACH HABITABLE ROOM SHALL HAVE AT LEAST ONE OPERABLE WINDOW FOR EMERGENCY EGRESS WITH A MINIMUM CLEAR OPENING OF 5.7 SQ. FT. (GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM CLEAR OPENING OF 5.0 SQ. FT.). THE MIN. HT. OF OPENINGS TO BE 24" AND MINIMUM WIDTH TO BE 20" AND THE BOTTOM OF OPENINGS NO HIGHER THAN 3'-8"

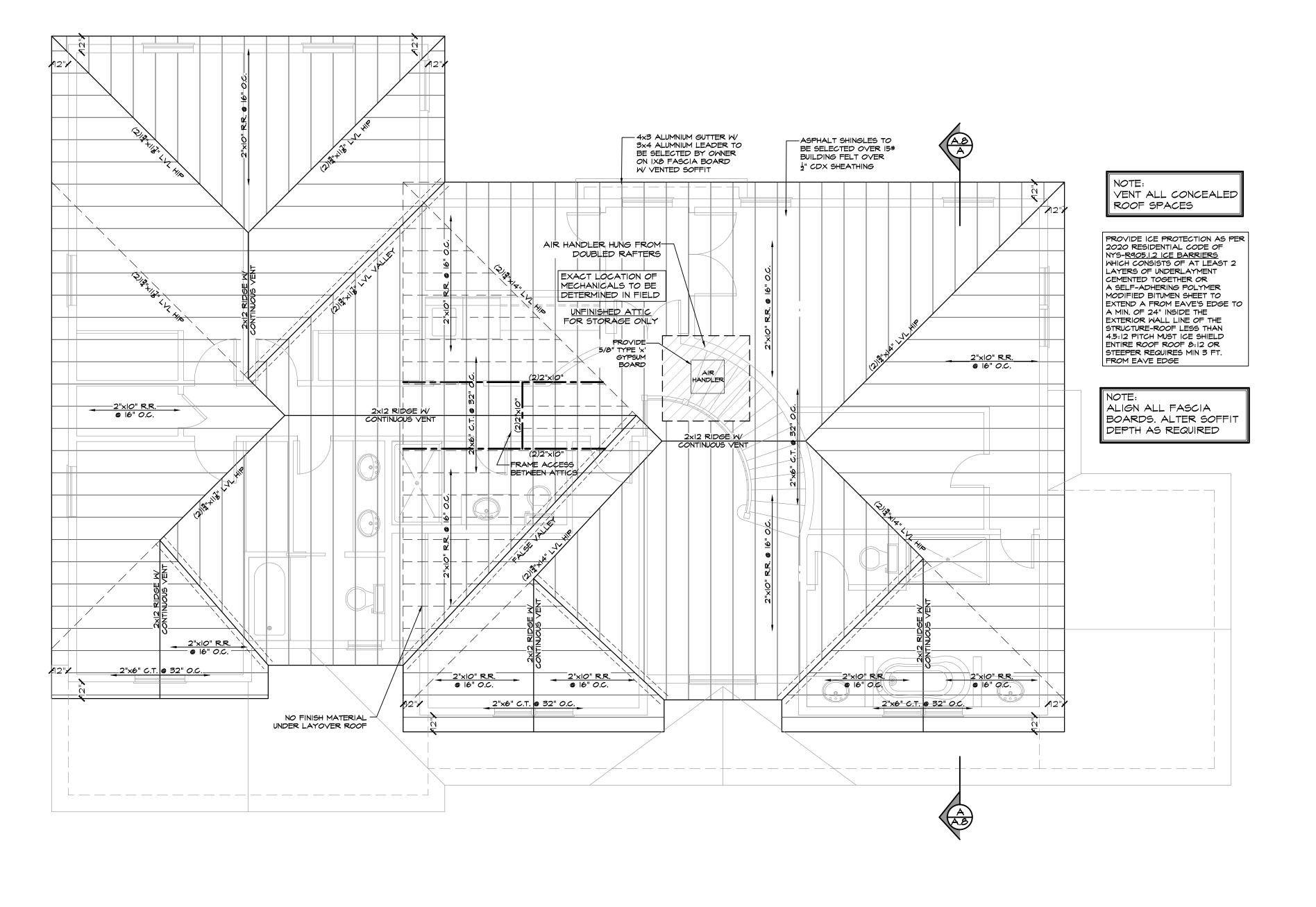
7. ALL WOOD POSTS SHALL BE BUILT UP WITH (2) 2X4'S NAILED TOGETHER W/ 10d NAILS @ 8" O.C. UNLESS OTHERWISE

8. ALL FRAMING SHALL COMPLY WITH THE 2020 RESIDENTIAL CODE OF NYS

9. ALL EXTERIOR PORCH/DECK/ STAIR FRAMING TO BE ACQ LUMBER-U.O.N.

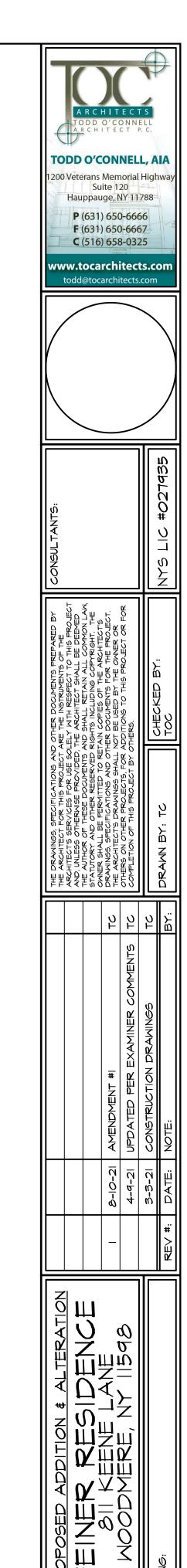
10. ALL ANCHORS, STRAPPING AND CONNECTORS AND HARDWARE TO BE SIMPSON STRONG TIE OR AN APPROVED MANUFACTURE AND TO BE INSTALLED AS PER MANUFACTURE WRITTEN INSTRUCTIONS- UNLESS OTHERWISE NOTED

II. ALL ENGINEERED LUMBER TO BE CLADDED AND SEAL AS REQUIRED WEATHER ENVIRONMENT



PROPOSED ROOF PLAN

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

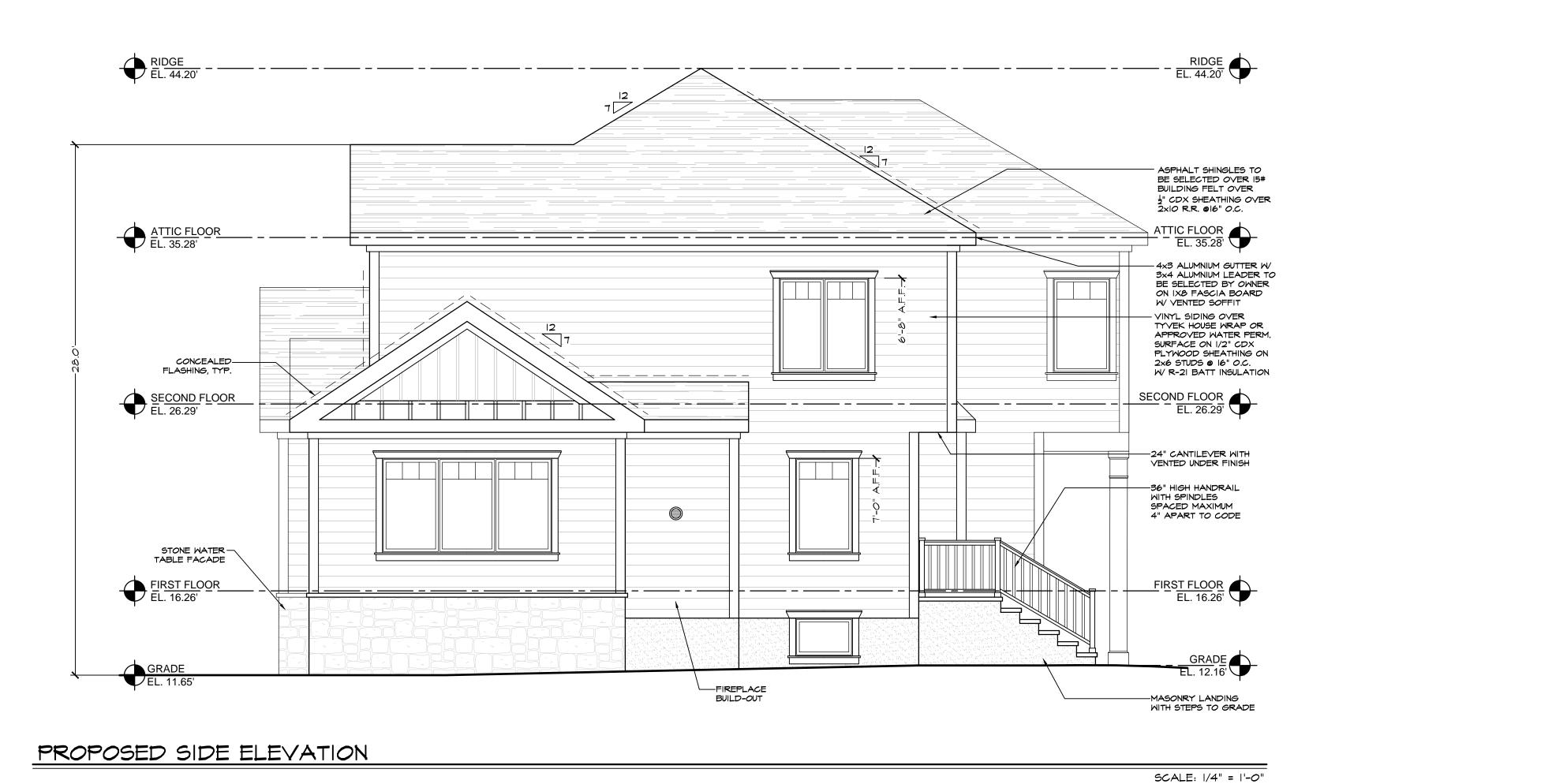




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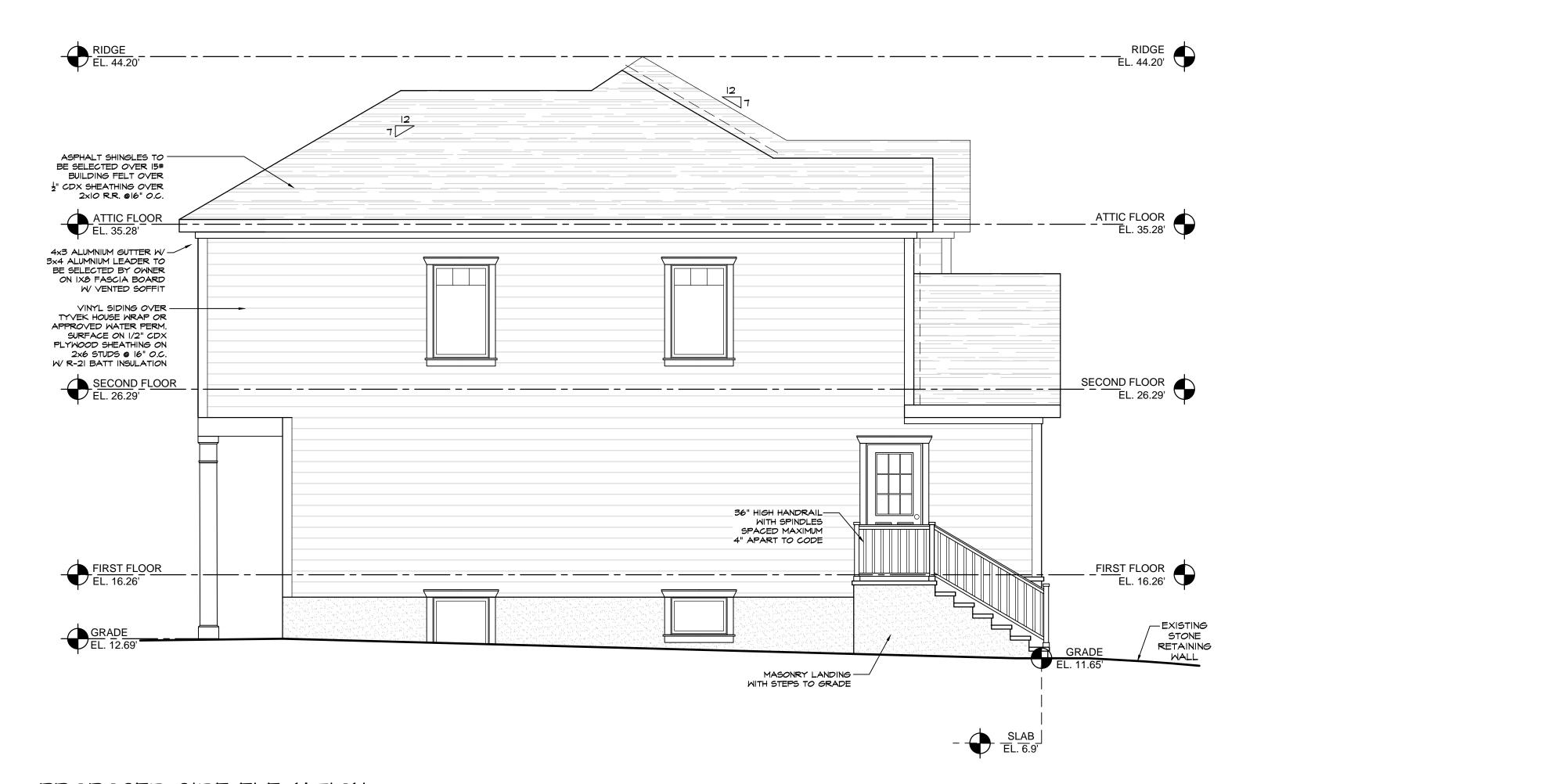
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PROPOSED REAR ELEVATION

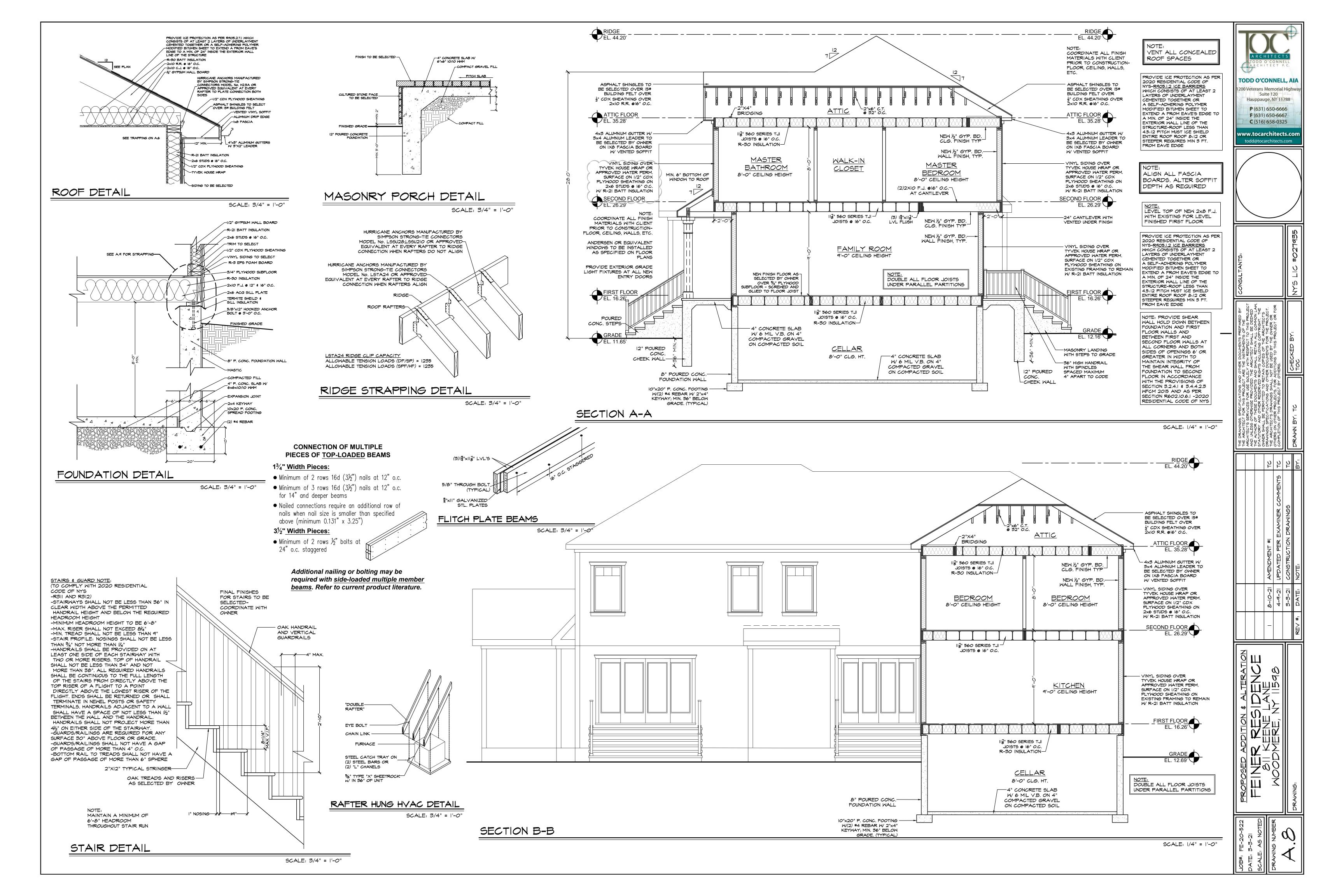
SCALE: 1/4" = 1'-0"

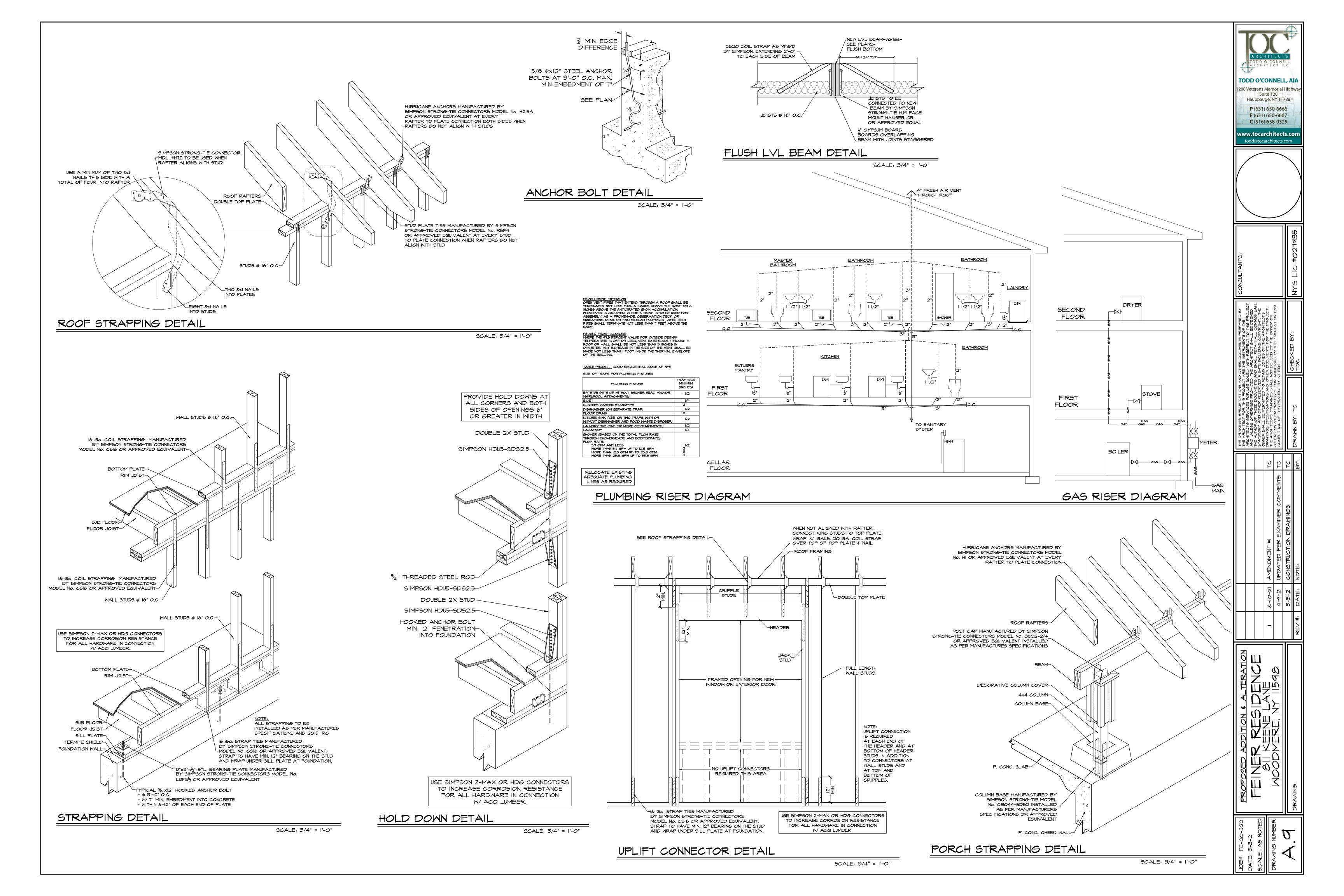


PROPOSED SIDE ELEVATION

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

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2020 RESIDENTIAL CODE OF NYS - TABLE R602.3(1)

TEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER a,b,c	SPACING AND LOCATION
	BLOCKING BETWEEN CEILING JOISTS OR RAFTERS TO TOP PLATE	ROOF 4-8d BOX (2 ½"XO.113") OR 3-8d COMMON (2 ½"XO.131"); OR 3-10d BOX (2 ½"XO.128"); OR 3-3"XO.131" NAIL5	TOE NAIL
2	CEILING JOISTS TO TOP PLATE	4-8d BOX (2 ½"XO.113") OR 3-8d COMMON (2 ½"XO.131"); OR 3-10d BOX (2 ½"XO.128"); OR 3-3"XO.131" NAILS	PER JOIST, TOE NAIL
3	CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS [see Sections R&02.3.1 , R&02.3.2 and Table R&02.5.1 (4)]	4-10d BOX (3"X0.113") OR 3-16d COMMON (3 ½"X0.162"); OR 4-3"X0.131" NAILS	FACE NAIL
4	CEILING JOIST ATTACHED TO PARALLEL RAFTER (HEEL JOINT), [see Sections R802.3.1 , R802.3.2 and Table R802.5.1 (9)]	TABLE R802.5.I(9)	FACE NAIL
5	COLLAR TIE TO RAFTER, FACE NAIL OR 1 以" X 20ga. RIDGE STRAP TO RAFTER	4-10d BOX (3"X0.128") OR 3-10d COMMON (3 ½"X0.148"); OR 4-3"X0.131" NAILS	FACE NAIL EACH RAFTER
6	RAFTER OR ROOF TRUSS TO PLATE	3-16d BOX NAILS (3 ½"XO.135") OR 3-10d COMMON NAILS (3"XO.148"); OR 4-10d BOX (3"XO.128"); OR 4-3"XO.131" NAILS	2 TOE NAILS ON ONE SIDE AND I TOE NAIL ON OPPOSITE SIDE OF EACH RAFTER OR TRUSS
7	ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS OR	4-16d (3 ½"XO.135") OR 3-10d COMMON (3"XO.148"); OR 4-10d BOX (3"XO.128"); OR 4-3"XO.131" NAILS	TOE NAIL
	ROOF RAFTERS TO MINIMUM 2" RIDGE BEAM	3-16d BOX (3 ½"XO.135") OR 2-16d COMMON (3 ½"XO.162"); OR 3-10d BOX (3"XO.126"); OR 3-3"XO.131" NAILS	TOE NAIL
8	STUD TO STUD (NOT AT BRACED WALL PANELS)	I6d COMMON (3 ½"X0.162") IOd (3"X0.128"); OR 3"X0.131") NAILS	24" O.C. FACE NAIL
9	STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)	16d BOX (3 ½"XO.135"); OR 3"XO.131" NAILS 16d COMMON (3 ½"XO.162")	12" O.C. FACE NAIL
10	BUILT-UP HEADER (2" TO 2" HEADER WITH ½" SPACER)	16d COMMON (3 ½"X0.162") 16d COMMON (3 ½"X0.162") 16d BOX (3 ½"X0.135")	16" O.C. FACE NAIL 16" O.C. EACH EDGE FACE NAIL 12" O.C. EACH EDGE FACE NAIL
П	CONTINUOUS HEADER TO STUD	5-8d BOX (2 ½"XO.113"); OR 4-8d COMMON (2 ½"XO.131"); OR 4-10d BOX (3"XO.128"	TOE NAIL
12	TOP PLATE TO TOP PLATE	I6d COMMON (3 1/2"XO.162") IOd BOX (3"XO.128"); OR 3"XO.131") NAILS	16" O.C. FACE NAIL
	DOUBLE TOP PLATE SPLICE FOR SDC'S A-D2 WITH SEISMIC BRACED WALL LINE SPACING < 25'	8-16d COMMON (3 ½"XO.162"); OR 12-16d BOX (3 ½"XO.135"); OR 12-10d BOX (3"XO.128"); OR 12-3"XO.131" NAILS	FACE NAIL ON EACH SIDE OF END JOINT (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF
13	DOUBLE TOP PLATE SPLICE SDC'S DO, DI, OR D2; AND BRACED WALL LINE SPACING > 25'	12-16d (3 ½"XO.135")	END JOINT)
14	BOTTOM PLATE TO JOINT, RIM JOIST, BAND JOIST OR	16d COMMON (3 ½"XO.162") 16d BOX (3 ½"XO.135"); OR	16" O.C. FACE NAIL
$\overset{\cdots}{\dashv}$	BLOCKING (NOT AT BRACED WALL PANELS)	3"XO.I3I") NAILS	12" O.C. FACE NAIL
15	BOTTOM PLATE TO JOINT, RIM JOIST, BAND JOIST OR BLOCKING (AT BRACED WALL PANELS)	3-16d BOX (3 ½"XO.135"); OR 2-16d COMMON (3 ½"XO.162"); OR 4-3"XO.131" NAILS 4-8d BOX (2 ½"XO.113"); OR	3 EACH 16" O.C. FACE NAIL 2 EACH 16" O.C. FACE NAIL 4 EACH 16" O.C. FACE NAIL
16	TOP OR BOTTOM PLATE TO STUD	3-16d BOX (3 ½"X0.135"); OR 4-8d COMMON (2 ½"X0.131"); OR 4-10d BOX (3"X0.128"); OR 4-3" X 0.131 NAILS	TOE NAIL
		3-16d BOX (3 ½"XO.135"); OR 2-16d COMMON (3 ½"XO.162"); OR 3-10d BOX (3"XO.126"); OR 3-3"XO.131" NAILS	END NAIL
דו	TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	3-IOd BOX (3"X0.128"); OR 2-I6d COMMON (3 ½"X0.162"); OR 3-3"X0.131" NAILS 3-8d BOX (2 ½"X0.113"); OR	FACE NAIL
18	I" BRACE TO EACH STUD AND PLATE	5-86 BOX (2 \(\frac{1}{2} \)	FACE NAIL
19	I" X 6" SHEATHING TO EACH BEARING	2-8d COMMOÑ (2 ½"XO.131"); OR 2-10d BOX (3"XO.128"); OR 2 STAPLES, 1"CROMN, 16ga.,1 ¾" LONG	FACE NAIL
20	I" X 8" AND WIDER SHEATHING TO EACH BEARING	3-8d BOX (2 ½"XO.113"); OR 3-8d COMMON (2 ½"XO.131"); OR 3-10d BOX (3"XO.128"); OR 3 STAPLES, I"CROWN, 16ga.,I ¾" LONG WIDER THAN I" X 8" 4-8d BOX (2 ½"XO.113"); OR 3-8d COMMON (2 ½"XO.131"); OR 3-10d BOX (3"XO.128"); OR 4 STAPLES, I"CROWN, 16ga.,I ¾" LONG	FACE NAIL
21	JOIST TO SILL, TOP PLATE OR GIRDER	FLOOR 4-8d BOX (2 ½"XO.113"); OR 3-8d COMMON (2 ½"XO.131"); OR 3-10d BOX (3"XO.128"); OR 3-3"XO.131" NALLS	TOE NAIL
22	RIM JOIST, BAND JOIST OR BLOCKING TO SILL OR TOP PLATE (ROOF APPLICATIONS ALSO)	8d BOX (2 ½"XO.113") 8d COMMON (2 ½"XO.131"); OR 10d BOX (3"XO.128"); OR 3"XO.131" NAILS	4" O.C. TOE NAIL
23	I" X 6" SUBFLOOR OR LESS TO EACH JOIST	3-8d BOX (2 ½"X0.113"); OR 2-8d COMMON (2 ½"X0.131"); OR 3-10d BOX (3"X0.128"); OR 2 STAPLES, 1"CROWN, 16ga.,1 ¾" LONG	FACE NAIL
24	2" SUBFLOOR TO JOIST OR GIRDER	3-16d BOX (3 ½'XO.135"); OR 2-16d COMMON (3 ½"XO.162")	BLIND AND FACE NAIL
25	2" PLANKS (PLANK & BEAM - FLOOR & ROOF)	3-16d BOX (3 ½'XO.135"); OR 2-16d COMMON (3 ½"XO.162")	AT EACH BEARING, FACE NAIL
-	BAND OR RIM JOIST TO JOIST	3-16d COMMON (3 ½"XO.162") 4-10 BOX (3"XO.128"); OR 4-3"XO.131" NAILS ; OR 4-3"X 14ga. STAPLES, ½" CROWN	END NAIL NAIL EACH LAYER AS FOLLOWS
26			NAIL A.C. A.C.
26 27	BUILT-UP GIRDERS AND BEAMS, 2-INCH LUMBER LAYERS	20d COMMON (4"X0.192"); OR 10d BOX (3"X0.128"); OR 3"X0.131" NAILS	AND STAGGERED 24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	BUILT-UP GIRDERS AND BEAMS, 2-INCH LUMBER LAYERS	10d BOX (3"X0.128"); OR	32" O.C. AT TOP AND BOTTOM AND STAGGERED 24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON

2020 RESIDENTIAL CODE OF NYS

TABLE R602.3(3)

WOOD PANEL WALL SHEATHING EASTENING SCHEDULE

NOOD									
MINIMU	M NAIL	MINIMUM WOOD STRUCTURAL	MINIMUM NOMINAL PANEL THICKNESS		PANEL NAIL	. SPACING		TE DESIGN ED V _{ULT} (M	
SIZE	PENETRATION	PANEL SPAN	(INCHES)	(INCHES)	EDGES		MIND EXF	POSURE C	ATEGORY
5121	(INCHES)	RATING			(INCHES O.C.)	(INCHES O.C.)	В	C	Δ
6d COMMON (2.0"XO.113")	1.5	24/0	3/8	16	6	12	140	115	<u>0</u>
8d COMMON	1.75	24/16	7/16	16	6	12	170	140	135
(2 E V (2 2 11)	1.75	2-7/10	1/10		,	2	140	111=	-

FOR SI: I inch = 25.4 mm, I MILE PER HOUR = 0.447 m/s a. PANEL STRENGTH AXIS PARALLEL OR PERPENDICULAR TO SUPPORT. THREE-PLY PLYWOOD SHEATHING WITH STUD SPACING MORE THAN 16" ON CENTER SHALL BE APPLIED WITH PANEL STRENGTH AXIS PERPENDICULAR TO SUPPORT.

b. TABLE BASED ON WIND PRESSURES ACTING TOWARD AND AWAY FROM BUILDING SURFACES IN ACCORDANCE WITH SECTION R301.2. LATERAL BRACING REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION RE02.10.

c. WOOD STRUCTURAL PANELS WITH SPAN RATINGS OF WALL-16 OR WALL-24 SHALL BE PERMITTED AS AN ALTERNATE TO PANELS WITH A 24/0 SPAN RATING. PLYWOOD SIDING RATED 16 O.C. OR 24 O.C. SHALL BE PERMITTED AS AN ALTERNATE TO PANELS WITH A 24/16 SPAN RATING. WALL-16 AND PLYWOOD SIDING 16 O.C. SHALL BE USED WITH STUDS SPACED NOT MORE THAN 16" ON CENTER.

2020 RESIDENTIAL CODE OF NEW YORK STATE

TABLE R802. II RAFTER OR TRUSS UPLIFT CONNECTION FORCES FROM WIND (ASD) (POUNDS PER CONNECTION) abcdefgh

) (POUNDS F		1112011011	4/			
			EXPOSI	URE B			
		ULTIMATE	DESIGN WII	ND SPEED	Vult (mph)		
RAFTER OR TRUSS SPACING	ROOF SPAN (FEET)	130) mph	140) mph		
1099 SFACING	(1 == 1)	ROOF	PITCH	ROOF	F PITCH		
		<5:l2	<u>≻</u> 5:12	<5:l2	<u>></u> 5:12		
	12	95	/ 88//	122	II3		
	18	122	//11,2/,	157	146		
	24	149	/ /37/	192	178		
12" O.C.	28	167	/ 53/ /	216	200		
	32	185	/ / 176 / /	240	222		
	36	203	/ 186 /	264	244		
	42	230	/ /2W /	300	278		
	48	258	236	336	311		
	12	126	1 / W / 1	162	150		
	18	162	/ /49 /	209	194		
16" O.C.	24	198	182/	255	237		
	28	222	263	287	266		
	32	246	226	319	295		
	36	270	241	351	325		
	42	306	281	399	370		
	48	343	314	<u> </u>	414		
	40	545	1 / 314/ / 1	441	1 414		
		EXPOSURE C					
	1		EXPOSI	UREC			
		ULTIMATE	DESIGN WIN		Vult (mph)		
RAFTER OR	ROOF SPAN			ND SPEED	Vult (mph) > mph		
RAFTER OR TRUSS SPACING	ROOF SPAN (FEET)	130	DESIGN WII	ND SPEED			
	(FEET)	130	DESIGN WIND MPh PITCH	ND SPEED 140 ROOF (5:12) mph = PITCH >5:12		
	(FEET)	30 ROOF <5: 2 6	DESIGN WIND mph PITCH 25:12	ND SPEED 140 ROOF <5:12	> mph = PITCH >5:12		
	(FEET)	30 ROOF <5: 2 6 208	DESIGN WIND MPh PITCH	ND SPEED 140 ROOF (5:12	> mph = PITCH >5:12 186 242		
	(FEET)	30 ROOF <5: 2 16 208 256	DESIGN WIND mph PITCH 25:12	ND SPEED 140 ROOF <5:12	> mph = PITCH >5:12		
TRUSS SPACING	(FEET) 12 18 24	30 ROOF <5: 2 16 208 256	DESIGN WIND mph PITCH >5:12 15 195 239	ND SPEED 140 ROOF <5:12 198 257 317	> mph = PITCH >5:12 186 242 298		
	(FEET) 12 18 24 28	30 ROOF <5: 2 16 208 256 289	DESIGN WIND mph = PITCH	ND SPEED 140 ROOF <5:12 198 257 317 358	> mph = PITCH >5:12 186 242 248 335		
TRUSS SPACING	(FEET) 12 18 24 28 32	30 ROOF <5: 2 16 208 256 289 32	DESIGN WIND P MPh P P T C H P T C H P T	ND SPEED 140 ROOF <5:12 198 257 317 358 398	2 mph = PITCH 25:12 186 242 298 335 373		
TRUSS SPACING	(FEET) 2 8 24 28 32 36	30 ROOF (5: 2 16 208 256 289 32 353	DESIGN WIND PMPh PITCH 25:12 151 195 239 269 299 329	ND SPEED 140 ROOF <5:12 198 257 317 358 398 438	mph FITCH 25:12 186 242 298 335 373 411		
TRUSS SPACING	(FEET) 12 18 24 28 32 36 42	30 ROOF (5: 2 6 208 256 289 32 353 402	DESIGN WIND P mph P PITCH P 5: 12 P 15 P 195 P 239 P 269 P 329 P 375	ND SPEED 140 ROOF <5:12 198 257 317 358 398 438 499	> mph = PITCH ≥5:12 186 242 298 335 373 411 468		
TRUSS SPACING	(FEET) 2 8 24 28 32 36 42 48	30 ROOF (5: 2 16 208 256 289 32 353 402 450	DESIGN WIND P mph P PITCH P	ND SPEED 40 ROOF (5: 2 198 257 317 358 398 438 499 560	> mph = PITCH ≥5:12 186 242 298 335 373 411 468 524		
TRUSS SPACING	(FEET) 2 8 24 28 32 36 42 48 12	30 ROOF (5: 2 6 208 256 289 32 353 402 450 2 4	DESIGN WIND P mph P PITCH P 5: 12 P 15 P 195 P 239 P 269 P 329 P 375 P 420 P 201	ND SPEED 140 ROOF <5:12 198 257 317 358 398 438 499 560 263	> mph = PITCH ≥5:12 186 242 298 335 373 411 468 524 247		
TRUSS SPACING	(FEET) 2 8 24 28 32 36 42 48 12 18	30 ROOF (5: 2 16 208 256 289 32 353 402 450 2 4 211	DESIGN WIND P mph P PITCH P 55:12 P 151 P 195 P 239 P 269 P 329 P 375 P 420 P 259	ND SPEED 40 ROOF (5: 2 198 257 317 358 398 438 499 560 263 342	> mph = PITCH ≥5:12 186 242 298 335 313 411 468 524 247 322		
TRUSS SPACING	(FEET) 2 8 24 28 32 36 42 48 12 18 24	30 ROOF (5: 2 6 208 256 289 32 353 402 450 2 4 211 340	DESIGN WIND mph PITCH 25:12 15 195 239 269 269 329 375 420 201 259 318	ND SPEED 140 ROOF <5:12 198 257 317 358 398 438 499 560 263 342 422	> mph = PITCH ≥5:12 186 242 298 335 313 411 468 524 247 322 396		
TRUSS SPACING	(FEET) 2 8 24 28 36 42 48 12 18 24 28	30 ROOF (5: 2 6 208 256 289 32 353 402 450 2 4 211 340 384	DESIGN WIND P mph P PITCH 25:12 15 195 239 269 269 275 420 20 259 318 358	ND SPEED 140 ROOF <5:12 198 257 317 358 398 438 499 560 263 342 422 476	mph PITCH >5:12 186 242 298 335 313 411 468 524 247 322 396 446		
TRUSS SPACING	(FEET) 2 8 24 28 36 42 48 12 18 24 28 32	30 ROOF (5: 2 6 208 256 289 32 353 402 450 2 4 211 340 384 421	DESIGN WIND Mph PITCH \$5:12 15 195 239 269 269 315 420 259 318 358 398	ND SPEED 140 ROOF <5:12 198 257 317 358 398 438 499 560 263 342 422 476 529	mph FPITCH >5:12 186 242 298 335 313 411 468 524 247 322 396 446 496		
TRUSS SPACING	(FEET) 2 8 24 28 36 42 48 12 18 24 28 32 36	30 ROOF (5: 2 16 208 256 289 32 353 402 450 2 4 277 340 384 427 469	DESIGN WIND Mph PITCH 25:12 15 195 239 269 299 315 420 201 259 318 358 398 438	ND SPEED 140 ROOF <5:12 198 257 317 358 398 438 499 560 263 342 422 476 529 583	mph FPITCH >5:12 186 242 298 335 373 411 468 524 247 322 396 446 496 547		
TRUSS SPACING	(FEET) 2 8 24 28 36 42 48 12 18 24 28 32	30 ROOF (5: 2 6 208 256 289 32 353 402 450 2 4 211 340 384 421	DESIGN WIND Mph PITCH \$5:12 15 195 239 269 269 315 420 259 318 358 398	ND SPEED 140 ROOF <5:12 198 257 317 358 398 438 499 560 263 342 422 476 529	mph FPITCH >5:12 186 242 298 335 313 411 468 524 247 322 396 446 496		

FOR SI: | INCH = 25.4 mm, | FOOT = 304.8mm, | MILE PER HOUR= 0.447 m/s. I POUND =0.454kg, I POUND PER SQUARE FOOT = 47.9 N/m², I plf 14.6 N/m

a. THE UPLIFT CONNECTION FORCES ARE BASED ON A MAXIMUM 33 FOOT MEAN ROOF HEIGHT AND WIND EXPOSURE CATEGORY B OR C. FOR EXPOSURE D, THE UPLIFT CONNECTION FORCE SHALL BE SELECTED FROM THE EXPOSURE C PORTION OF THE TABLE USING THE NEXT HIGHEST TABULATED ULTIMATE DESIGN WIND SPEED. THE ADJUSTMENT COEFFICIENTS IN TABLE R301.2(3) SHALL NOT BE USED TO MULTIPLY THE TABULATED FORCES FOR EXPOSURE C AND D OR FOR THE OTHER MEAN ROOF

b.THE UPLIFT CONNECTION FORCES INCLUDE AN ALLOWANCE FOR ROOF AND CEILING ASSEMBLY DEAD LOAD OF 15 PSF. c. THE TABULATED UPLIFT CONNECTION FORCES ARE LIMITED TO A MAXIMUM ROOF OVERHANG OF 24 INCHES. d. THE TABULATED UPLIFT CONNECTION FORCES SHALL BE PERMITTED TO BE

MULTIPLIED BY 0.75 FOR CONNECTIONS NOT LOCATED WITHIN & FEET OF BUILDING e. FOR BUILDINGS WITH HIP ROOFS WITH 5:12 AND GREATER PITCH, THE TABULATED UPLIFT CONNECTION FORCES SHALL BE PERMITTED TO BE MULTIPLIED BY 0.70. THIS REDUCTION SHALL NOT BE COMBINED WITH ANY OTHER REDUCTION IN TABULATED

FORCES. F. FOR WALL TO WALL AND WALL TO FOUNDATION CONNECTIONS, THE UPLIFT CONNECTION FORCE SHALL BE PERMITTED TO BE REDUCED BY 60 plf FOR EACH FULL WALL ABOVE q. LINEAR INTERPOLATION BETWEEN TABULATED ROOF SPANS AND WIND SPEEDS

SHALL BE PERMITTED. h. THE TABULATED FORCES FOR A 12-INCH ON CENTER SPACING SHALL BE PERMITTED TO BE USED TO DETERMINE THE UPLIFT LOAD IN POUNDS PER LINEAR FOOT.

TABLE R602.3(I) FASTENING SCHEDULE CONTINUED

EΜ	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER aba	SPACING OF FASTENERS		
	PESSINI HONOI BOILDING ELECTENTS	OF FASTENER abc	EDGES _h (INCHES)	INTERMEDIATE SUPPORTS C.C (INCHES)	
		AND INTERIOR WALL SHEATHING TO FRAMING AND OR WOOD STRUCTURAL PANEL EXTERIOR WALL SH			
30	3/8" - 1/2"	6d COMMON (2"XO.113") NAIL (SUBFLOOR, WALL) 8d COMMON (2 ½"XO.131")NAIL (ROOF)	6	12 [‡]	
31	¹⁹ 32" - "	8d COMMON NAIL (2 ½"XO.131")	6	12 [‡]	
32	1½" - 1½"	IOd COMMON (3"XO.148") NAIL; OR 8d (2 ½"XO.131") DEFORMED NAIL	6	12	
		OTHER WALL SHEATHING 9		,	
33	½" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	1½" GALVANIZED ROOFING NAIL, 76" HEAD DIAMETER, OR I" CROWN STAPLE 16 ga., 1½" LONG	3	6	
34	²⁵ / ₃₂ " STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	1 3/4" GALVANIZED ROOFING NAIL, 7/6" HEAD DIAMETER, OR I" CROWN STAPLE 16 ga., 1 1/4" LONG	3	6	
35	1/2" GYPSUM SHEATHING d	½" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, ½" LONG; ½" SCREWS, TYPE W OR S	7	٦	
36	d %" GYPSUM SHEATHING	¾" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, ½" SCREWS, TYPE W OR S	7	٦	
	WOOD STRUSTRUAL	PANELS, COMBINATION SUBFLOOR UNDERLAYMENT	TO FRAMING		
37	34" AND LESS	6d DEFORMED (2"XO.120") NAIL; OR 8d COMMON (2 ½"XO.131") NAIL	6	12	
38	7e" - 1"	8d COMMON (2"XO.I3I") NAIL; OR 8d DEFORMED (2½"XO.I2O") NAIL	6	12	
39	11/6" - 11/4"	IOd COMMON (3"XO.148") NAIL; OR 8d DEFORMED (2 ½"XO.120") NAIL	6	12	

a. NAILS ARE SMOOTH-COMMON, BOX OR DEFORMED SHANKS EXCEPT WHERE OTHERWISE STATED. NAILS USED FOR FRAMING AND SHEATHING CONNECTIONS SHALL HAVE MINIMUM AVERAGE BENDING YIELD STRENGTHS AS SHOWN: 80 KSI FOR SHANK DIAMETER OF 0.192 INCH (20d COMMON NAIL), 90 KSI FOR SHANK DIAMETERS LARGER THAN 0.142 INCH BUT NOT LARGER THAN 0.171 INCH, AND 100 KSI FOR SHANK DIAMETERS OF 0.142 INCH OR LESS.

b. STAPLES ARE 16 GAGE WIRE AND HAVE A MINIMUM 1/16-INCH ON DIAMETER CROWN WIDTH.
 c. NAILS SHALL BE SPACED AT NOT MORE THAN 6 INCHES ON CENTER AT ALL SUPPORTS WHERE SPANS ARE 48 INCHES OR GREATER.

d. FOUR-FOOT BY 8-FOOT OR 4-FOOT BY 9-FOOT PANELS SHALL BE APPLIED VERTICALLY. e. SPACING OF FASTENERS NOT INCLUDED IN THIS TABLE SHALL BE BASED ON TABLE R602.3 (2) F. WHERE THE ULTIMATE DESIGN WIND SPEED IS 130 MPH OR LESS, NAILS FOR ATTACHING WOOD STRUCTURAL PANEL ROOF SHEATHING TO GABLE END WALL FRAMING SHALL BE SPACED 6 INCHES ON CENTER. WHERE THE ULTIMATE DESIGN WIND SPEED IS GREATER THAN 130 MPH, NAILS FOR ATTACHING PANEL ROOF SHEATHING TO INTERMEDIATE SUPPORTS SHALL BE BE SPACED 6 INCHES ON CENTER FOR MINIMUM 48 INCH DISTANCE FROM RIDGES, EAVES AND GABLE END WALLS; AND 4 INCHES ON CENTER TO GABLE END WALL FRAMING. 3. GYPSUM SHEATHING SHALL CONFORM TO ASTM C 1396 AND SHALL BE INSTALLED IN ACCORDANCE WITH GA 253. FIBERBOARD SHEATHING SHALL CONFORM TO ASTM C 208 SHALL CONFORM TO ASTM C 205.

IN SPACING OF FASTENERS ON FLOOR SHEATHING EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS AND REQUIRED BLOCKING AND AT FLOOR PERIMETERS ONLY. SPACING OF FASTENERS ON ROOF SHEATHING PANEL EDGES APPLIES TO PANEL EDGES

SUPPORTED BY FRAMING MEMBERS AND REQUIRED BLOCKING. BLOCKING OF ROOF OR FLOOR SHEATHING PANEL EDGES PERPENDICULAR TO THE FRAMING MEMBERS NEED NOT BE PROVIDED EXCEPT AS REQUIRED BY OTHER PROVISIONS OF THIS CODE. FLOOR PERIMETER SHALL BE SUPPORTED BY FRAMING MEMBERS OR SOLID BLOCKING. I WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE. PROVIDE TWO TOE NAILS ON ONE SIDE OF THE RAFTER AND TOE NAILS FROM THE CEILING JOIST TO TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE. THE TOE NAIL ON THE OPPOSITE SIDE OF THE RAFTER SHALL NOT BE REQUIRED.

TABLE I: MINIMUM INSULATION THICKNESS FOR CIRCULATING HOT WATER PIPES					
INSULATION THICKNESS IN INCHES BY PIPE SIZES					
HEATED WATER	ATER NON-CIRCULATING RUNOUTS CIRCULATING MAINS AND RUNOUT				
TEMPERATURE (F)	EMPERATURE (F) UP TO 1" UP TO 1.25"		1.5" TO 2.0"	OVER 2"	
170-180	0.5	1.0	1.5 2.0		
140-160	0.5	0.5	1.0	1.5	
100-130	0.5	0.5	0.5	1.0	

PIPING SYSTEM	FLUID TEMP.	INSULATION	THICKNESS IN	INCHES BY	PIPE SIZ
TYPES	RANGE (F)	2" RUNOUTS	I" AND LESS	1.25" TO 2"	2.5" TO 4
HEATING SYSTEMS					
LOW PRESSURE/TEMPERATURE	201-250	1.0	1.5	1.5	2.0
LOW TEMPERATURE	120-200	0.5	1.0	1.0	1.5
STEAM CONDENSATE (FEED WATER)	ANY	1.0	1.0	1.5	2.0
COOLING SYSTEMS					
CHILLED WATER, REFRIGERANT	201-250	1.0	1.5	1.5	2.0
AND BRINE	120-200	0.5	1.0	0	1.5

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TABLE R602 3(5) SIZE HEIGHT AND SPACING OF WOOD STUDS 9

2X6 OR THE STUDS SHALL BE DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE.

			BEARING WALLS			NON-BEAR	NG WALLS
STUD SIZE (INCHES)	LATERALLY UNSUPPORTED STUD HEIGHT ² (FEET)	MAXIMUM SPACING WHEN SUPPORTING A ROOF-CEILING ASSEMBLY OR A HABITABLE ATTIC ASSEMBLY, ONLY (INCHES)	MAXIMUM SPACING WHEN SUPPORTING ONE FLOOR, PLUS A ROOF-CEILING ASSEMBLY OR A HABITABLE ATTIC ASSEMBLY (INCHES)	MAXIMUM SPACING WHEN SUPPORTING TWO FLOORS, PLUS A ROOF-CEILING ASSEMBLY OR A HABITABLE ATTIC ASSEMBLY (INCHES)	MAXIMUM SPACING WHEN SUPPORTING TWO SUPPORTING ONE FLOOR HEIGHT ² (INCHES)	LATERALLY UNSUPPORTED STUD HEIGHT ^Q (FEET)	LATERALLY UNSUPPORTED STUD HEIGHT ² (FEET)
2X4	10	24 ^e	16°2		24	10	16

FOR SI: | INCH = 25.4 mm, | FOOT = 304.8mm a. LISTED HEIGHT ARE DISTANCES BETWEEN POINTS LATERAL SUPPORT PLACED PERPENDICULAR TO THE PLANE OF THE WALL. BEARING WALLS SHALL BE SHEATHED ON NOT LESS THAN ONE SIDE OR BRIDGING SHALL BE INSTALLED NOT GREATER THAN 4 FEET APART MEASURED VERTICALLY FROM EITHER END OF THE STUD. INCREASES IN UNSUPPORTED HEIGHT ARE PERMITTED WHERE IN COMPLIANCE WITH EXCEPTION 2 OF SECTION R602.3.1 OR DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE.

b. SHALL NOT BE USED IN EXTERIOR WALLS c. A HABITABLE ATTIC ASSEMBLY SUPPORTED BY 2X4 STUDS IS LIMITED TO A ROOF SPAN OF 32 FEET. WHERE THE ROOF SPAN EXCEEDS 32 FEET, THE WALL STUDS SHALL BE INCREASED TO

TARLE RACOLO 4 PRACING METHORS

M	ETHODG MATERIAL	SAININAINA TURKECC	LICIEL	CONNECTION	N CRITERIA ^a
ا۴ا	ETHODS, MATERIAL	MINIMUM THICKESS	FIGURE	FASTENERS	SPACING
	CS-WSP			EXTERIOR SHEATHING PER TABLE R602.3 (3)	6" EDGES 2" FIELD
D S	CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL	3/e"		INTERIOR SHEATHING PER TABLE R602.3 (I) or R602.3 (2)	VARIES BY FASTENER
SHEATHING METHODS	CS-G ^{bc} CONTINUOUSLY SHEATHED WOOD STRUCTURA PANEL ADJACENT TO GARAGE OPENINGS	3/8"		SEE METHOD CS-WSP	SEE METHOD CS-WSP
CONTINUOUS SHE	CS-PF CONTINUOUSLY SHEATHED PORTAL FRAME	7/6"		SEE SECTION R602.10.6.4 SEE SECTION R6	
Š	CS-SFB d CONTINUOUSLY SHEATHED STRUCTURAL FIBERBOARD	½" or ²⁵ /32" for maximum 16" stud spacing		I $\frac{1}{2}$ " long \times 0.12 dia. (for $\frac{1}{2}$ " thick sheathing) I $\frac{3}{4}$ " long \times 0.12 dia. (for $\frac{29}{52}$ " thick sheathing) galvanized roofing nails or $\frac{3}{2}$ 0 dommon (2 $\frac{1}{2}$ " long \times 0.131" dia.) nails	3" EDGES 6" FIELD

FOR SI: | INCH = 25.4 mm, | FOOT = 304.8mm, | degree = 0.0175 rad, | pound per square foot=47.8 N/m², | mile per hour = 0.447 m/s. a. Adhesive attachment of wall sheathing including Method GB, shall not be permitted in Seismic Design Categories C, Do, D_I and Do. b. Applies to panels next to garage door opening where supporting gable end wall or roof load only. Shall only be used on one wall of the garage. In Seismic Design Categories D_0 , \overline{D}_1 , and D_2 roof covering dead load shall not exceed 3 psf. c. Garage openings adjacent to a Method CS-G panel shall be provided with a header in accordance with Table R602.5 (1). A full height clear opening shall not be permitted to a Method CS-G panel.

d. Method CS-SFB does not apply in Seismic Design Categories Do, D, D e. Method applies to detached one and two-family dwellings in Seismic Design Categories Dothrough D $_2$ only.

STRUCTURAL MEMBER	ALLOWABLE DEFLECTION
RAFTERS HAVING SLOPES GREATER THAN 3/12 WITH NO FINISHED CEILING ATTACHED TO RAFTERS	L/180
INTERIOR WALLS AND PARTITIONS	H/180
FLOORS	L/360
CEILING WITH BRITTLE FINISHES (INCLUDING PLASTER AND STUCCO)	L/360
CEILINGS WITH FLEXIBLE FINISHES (INCLUDING GYPSUM BOARD)	L/240
ALL OTHER STRUCTURAL MEMBERS	L/240
EXTERIOR WALLS - WIND LOAD WITH PLASTER OR STUCCO FINISHES	H/360
EXTERIOR WALLS - WIND LOADS [®] WITH OTHER BRITTLE FINISHES	H/240
EXTERIOR WALLS - WIND LOADS WITH FLEXIBLE FINISHES.	H/I20 ^d
LINTELS SUPPORTING MASONRY VENEER WALLS	L/600
NOTE: L=SPAN LENGTH, H=SPAN HEIGHT a. FOR THE PURPOSE OF THE DETERMINING DEFLE	ECTION LIMITS

OBTAINED FROM THE TABLE R301.2(2). FOR CANTILEVER MEMBERS, L SHALL BE TAKEN AS TWICE

ROOFS OR WALLS OF SUNROOM ADDITIONS OR PATIO ALUMINUM STRUCTURAL MEMBERS SUPPORTING EDGE OF L/175 FOR EACH GLASS LITE OR L/60 FOR THE ENTIRE LENGTH OF THE MEMBER, WHICHEVER IS MORE STRINGENT. FOR SANDWICH PANELS USED IN ROOFS OR WALLS OF DEFLECTION SHALL NOT EXCEED L/120. DEFLECTION FOR EXTERIOR WALLS WITH INTERIOR GYPSUM

BOARD FINISH SHALL BE LIMITED TO AN ALLOWABLE

DEFLECTION OF H/180. REFER TO SECTION RT03.8.2.

EXCEPTION:

NOTE: WINDOW FALL PROTECTION TO BE PROVIDED ALLOWABLE DEFLECTION OF STRUCTURAL MEMBERS* AS PER TABLE R301.7 OF THE 2015 INTERNATIONAL RESIDENTIAL CODE FOR ALL WINDOWS AS PER

STRUCTURAL MEMBER	ALLOWABLE DEFLECTION
RAFTERS HAVING SLOPES GREATER THAN 3/12 WITH NO FINISHED CEILING ATTACHED TO RAFTERS	L/180
INTERIOR WALLS AND PARTITIONS	H/180
FLOORS	L/360
CEILING WITH BRITTLE FINISHES (INCLUDING PLASTER AND STUCCO)	L/360
CEILINGS WITH FLEXIBLE FINISHES (INCLUDING GYPSUM BOARD)	L/240
ALL OTHER STRUCTURAL MEMBERS	L/240
EXTERIOR WALLS - WIND LOAD ^a WITH PLASTER OR STUCCO FINISHES	H/360
EXTERIOR WALLS - WIND LOADS [®] WITH OTHER BRITTLE FINISHES	H/240
EXTERIOR WALLS - WIND LOADS ^a WITH FLEXIBLE FINISHES.	H/I20 ^d
LINTELS SUPPORTING MASONRY VENEER WALLS	L/600
NOTE I COAN LENGTH II COAN HEIGHT	•

FOR THE PURPOSE OF THE DETERMINING DEFLECTION LIMITS HEREIN, THE WIND LOAD SHALL BE PERMITTED TO BE TAKEN AS 0.7 TIMES THE COMPONENT AND CLADDING (ASD) LOADS

THE LENGTH OF THE CANTILEVER. FOR ALUMINUM STRUCTURAL MEMBERS OR PANELS USED IN COVERS, NOT SUPPORTING EDGE OF GLASS, THE CONTINUOUS GLASS, THE TOTAL LOAD DEFLECTION SHALL NOT EXCEED SUNROOM ADDITIONS OR PATIO COVERS, THE TOTAL LOAD

R301.2.2. PROTECTION OF OPENINGS. EXTERIOR GLAZING IN BUILDINGS LOCATED IN WINDBORNE DEBRIS REGIONS SHALL BE PROTECTED FROM WINDBORNE DEBRIS. GLAZED OPENING PROTECTION FOR WINDBORNE DEBRIS SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E 1996 AND ASTM E 1886 AS MODIFIED IN SECTION 301.2.1.2.1. GARAGE DOOR GLAZED OPENING PROTECTION FOR WINDBORNE DEBRIS SHALL MEET THE REQUIREMENTS OF AN IMPACT-RESISTING STANDARD OR ANSI/DASMA 115. (SEE TABLE BELOW)

WOOD STRUCTURAL PANELS WITH A THICKNESS OF NOT LESS THAN 1/6 INCH AND A SPAN OF NOT MORE THAN & FEET SHALL BE PERMITTED FOR OPENING PROTECTION. PANELS SHALL BE PRECUT AND ATTACHED TO THE FRAMING SURROUNDING THE OPENING CONTAINING THE PRODUCT WITH THE GLAZED OPENING. PANELS SHALL BE PREDRILLED AS REQUIRED FOR THE ANCHORAGE METHOD AND SHALL BE SECURED WITH THE ATTACHMENT HARDWARE PROVIDED. ATTACHMENTS SHALL BE DESIGNED TO RESIST THE COMPONET AND CLADDING LOADS DETERMINED IN ACCORDANCE WITH EITHER TABLE R301.2(2) OR ASCE 7, WITH THE PERMANENT CORROSION-RESISTANT ATTACHMENT HARDWARE PROVIDED AND ANCHORS PERMANENTLY INSTALLED ON THE BUILDING. ATTACHMENT IN ACCORDANCE WITH TABLE R301.2.1.2 IS PERMITTED FOR BUILDINGS WITH A MEAN ROOF HEIGHT OF 45 FEET OR LESS WHERE THE ULTIMATE DESIGN WIND SPEED, IS 180 MPH OR LESS.

TABLE R301.2.1.2: WINDBORNE DEBRIS PROTECTION FASTENING SCHEDULE FOR WOOD STRUCTURAL PANELS			
		FASTENER SPAC	ING
FASTENER TYPE	PANEL SPAN ≤4 FOOT	4 FOOT < PANEL SPAN ≤ 6 FOOT	6 FOOT < PANEL SPAN ≤8 FOOT
NO. 8 WOOD SCREW BASED ANCHOR WITH 2 INCH EMBEDMENT LENGTH	16	10	8
NO. IO WOOD SCREW BASED ANCHOR WITH 2 INCH EMBEDMENT LENGTH	16	12	9
1/4 INCH LAG SCREW BASED ANCHOR WITH 2 INCH EMBEDMENT LENGTH	16	16	16

THIS TABLE IS BASED ON 180 MPH ULTIMATE DESIGN WIND SPEED AND A 33 FOOT MEAN ROOF

b. FASTENERS SHALL BE INSTALLED AT OPPOSING ENDS OF THE WOOD STRUCTURAL PANEL. FASTENERS SHALL BE LOCATED NOT LESS THAN INCH FROM THE EDGE OF THE PANEL.

C. ANCHORS SHALL PENETRATE THROUGH THE EXTERIOR WALL COVERING WITH AN EMBEDMENT LENGTH OF NOT LESS THAN 2 INCHES INTO THE BUILDING FRAME. FASTENERS SHALL BE LOCATED NOT LESS THAN 2 1/2 INCHES FROM THE EDGE OF THE CONCRETE BLOCK OR CONCRETE.

PANELS ATTACHED TO MASONRY OR MASONRY/STUCCO SHALL BE ATTACHED USING VIBRATION-RESISTANT ANCHORS HAVING AN ULTIMATE WITHDRAWAL CAPACITY OF NOT LESS THAN 1,500 POUNDS.

308.4.4- GLAZING IN GUARDS AND RAILINGS

STAIRS OR RAMPS

2020 RESIDENTIAL CODE OF NYS SECTION R308- GLAZING - EXCEPT AS INDICATED IN SECTION R308.I.I EACH PANE OF GLAZING INSTALLED IN HAZARDOUS LOCATIONS AS DEFINED IN SECTION R308.4 SHALL BE PROVIDED WITH A MANUFACTURE'S DESIGNATION SPECIFYING WHO APPLIED THE DESIGNATION, DESIGNATING THE TYPE OF GLASS AND THE SAFETY GLAZING STANDARD WITH WHICH IT COMPLIES, WHICH IS VISIBLE IN THE FINAL INSTALLATION. THE DESIGNATION SHALL BE ACID ETCHED, SANDBLASTED, CERAMIC-FIRED, LASER ETCHED, EMBOSSED, OR BE A TYPE THAT ONCE APPLIED CANNOT BE REMOVED WITHOUT BEING DESTROYED. A LABEL SHALL BE PERMITTED IN LIEU OF THE MANUFACTURE'S DESIGNATION R308.4 HAZARDOUS LOCATIONS - THE LOCATIONS SPECIFIED IN SECTIONS R308.4.I THROUGH R308.4.7 SHALL BE CONSIDERED TO BE SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSE OF GLAZING R308.4.I- GLAZING IN DOOR- GLAZING IN FIXED AND OPERABLE PANEL OF SWINGING, SLIDING AND BIFOLD DOORS SHALL BE CONSIDERED TO BE A HAZARDOUS LOCATION R308.4.2- GLAZING ADJACENT TO DOOR- GLAZING IS LESS THAN 60 INCHES ABOVE

- GLAZING IS WITH 24" OF EITHER SIDE OF THE DOOR -GLAZING IS ON A WALL PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION AND WITHIN 24" OF THE HINGED SIDE OF AN IN-SWING DOOR R308.4.3- GLAZING IN WINDOW

- EXPOSED AREA OF AN INDIVIDUAL PANE IS LARGER THAN 9 SQ.FT. -BOTTOM EDGE OF GLAZING IS LESS THAN 18" ABOVE THE FLOOR - TOP EDGE OF GLAZING IS MORE THAN 36 " ABOVE FLOOR AND ONE OR MORE WALKING SURFACES ARE WITHIN 36", MEASURED HORIZONTALLY AND IN A STRAIGHT LINE OF GLAZING

THE FLOOR OR WALKING SURFACE AND IT MEETS EITHER OF THE FOLLOWING-

R308.4.5- GLAZING AND WET SURFACES- BATHTUBS, SHOWERS WHERE THE BOTTOM EXPOSED EDGE OF GLAZING IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE - R308.4.6 GLAZING ADJACENT TO STAIRS AND RAMPS- GLAZING WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 36" ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAY, LANDING BETWEEN FLIGHTS OR

-GLAZING 36" OR LESS MEASURED HORIZONTALLY FROM THE WALKING SURFACE R308.4.7 GLAZING ADJACENT TO THE BOTTOM STAIR LANDING - WHERE GLAZING IS LESS THAN 36" ABOVE THE LANDING AND WITHIN A 60" HORIZONTAL ARE LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING

- IN DWELLING UNITS WHERE THE TOP OF THE SILL OF AN OPERABLE WINDOW OPENING IS LOCATED LESS THAN 24 INCHES ABOVE THE

FODD O'CONNELL, AIA

FINISH FLOOR AND GREATER THAN 72 INCHES ABOVE FINISH GRADE 00 Veterans Memorial Highw OPERABLE WINDOW THAT ARE PROVIDED WITH WINDOW

2020 RESIDENTIAL CODE OF NYS SECTION R312.2

OR SURFACE BELOW THE EXTERIOR OF THE BUILDING

LESS THAN THE AREA REQUIRED BY SECTION R310.2.1

2020 RESIDENTIAL CODE OF NYS SECTION R305.1

BEING USED FOR ITS INTENDED PURPOSE

OPENING CONTROL DEVICES THAT COMPLY WITH SEC. R312.2.2

MINIMUM HEIGHT- CEILING- HABITABLE SPACE, HALLWAYS AND

CEILING HEIGHT OF NOT LESS THAN 7 FEET. BATHROOMS, TOILET ROOMS, LAUNDRY ROOMS SHALL HAVE A CEILING HEIGHT OF NOT

I. FOR ROOMS WITH SLOPED CEILINGS THE REQUIRED FLOOR

AREA OF THE ROOM SHALL HAVE A CEILING HEIGHT OF NOT

LESS THAN 5 FEET AND NOT LESS THAN 50 PERCENT OF THE

2. THE CEILING HEIGHT ABOVE BATHROOM AND TOILET ROOM

FIXTURES SHALL BE SUCH THAT THE FIXTURE IS CAPABLE OF

REQUIRED FLOOR AREA SHALL HAVE A CEILING HEIGHT OF NOT

R312.2.2 WINDOW OPENING CONTROL DEVICES- SHALL COMPLY WITH

THE WINDOW OPENING DEVICE AFTER OPERATION TO RELEASE THE

CONTROL DEVICE ALLOWING THE WINDOW TO FULLY OPEN, SHALL NOT REDUCE THE NET CLEAR OPENING AREA OF THE WINDOW UNIT TO

-THE OPERABLE WINDOW SHALL COMPLY WITH:

ASTM F2090

LESS THAN 6 FEET 8 INCHES

LESS THAN 7 FEET

EXCEPTION:

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PORTION OF BASEMENTS CONTAINING THESE SPACES SHALL HAVE A

SENERAL CONDITIONS UNLESS OTHERWISE NOTED, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AIA DOCUMENT-201 4/87 SHALL APPLY. THE CONTRACTOR PROVIDE OUTSIDE COMBUSTION AIR SHALL OBTAIN CERTIFICATE OF OCCUPANCY. SUBSTITUTIONS SHOULD NOT BE MADE WITHOUT WRITTEN AUTHORIZATION BY THE ARCHITECT. THE PREMISES SHALL BE KEPT REASONABLY CLEAN AT ALL TIMES. AT THE COMPLETION OF WORK, THE CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS, TOOLS, RUBBISH, ETC., CLEAN GLASS AND LEAVE WORK 8" FIREPLACE WALL THICKNESS WITH BROOM CLEAN UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL CARRY WORKMAN'S COMPENSATION AND GENERAL LIABILITY INSURANCE. ALL SHALL COMPLY WITH STATE AND LOCAL CODES AND ORDINANCES. THE CONTRACTOR SHOULD FULLY GUARANTEE HIS WORK AND THE WORK OF HIS SUBCONTRACTORS FOR A PERIOD OF ONE YEAR AFTER COMPLETION OF THE PROJECT UNLESS OTHERWISE SPECIFIED. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GOOD BUILDING PRACTICES. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER, ARCHITECT, AND THEIR AGENTS AND EMPLOYEES FROM AND

AGAINST ALL CLAIMS, DAMAGES, LOSES AND EXPENSES, INCLUDING ATTORNEYS FEES ARISING OUT OF OR PROVIDE FIRE BLOCKING IN RESULTING FROM THE PERFORMANCE OF THE WORK PROVIDED THAT ANY SUCH CLAIM, DAMAGE, LOSS OR EXPENSE (A) IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE OR DEATH OR TO INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY EXCEEDING IO FEET. (OTHER THAN THE WORK ITSELF NCLUDING THE LOSS OR USE RESULTING THERE FROM). (B) IS CAUSED IN WHOLE OR IN PART BY ANY SUPPLY AND SANITARY SYSTEM AS NEGLIGENT ACT OR OMISSION OF THE INDICATED. PROVIDE HOT AND COLD CONTRACTOR, ANY SUBCONTRACTOR, ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM, OR ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE REGARDLESS OF WHETHER OR NOT IT IS CAUSED IN PART BY A PARTY INDEMNIFIED HEREUNDER. ALL MATERIALS, ASSEMBLIES, AND METHOD OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO FORM-WORK, BLOCK-WORK, FRAMING, NAILING, PLACING OF CONCRETE, ETC. ARE TO BE CAREFULLY SUPERVISED BY THE CONTRACTOR TO BE SURE THEY ARE IN ACCORDANCE WITH THE DRAWINGS,

<u>SITE WORK</u> STAKEOUT IS TO BE PERFORMED BY A LICENSED SURVEYOR. STAKING AND LAYOUT ARE TO ESTABLISH ALL LINES AND BENCHMARKS. VERIFY ALL GIVEN DATA ON DRAWINGS. IN CASE OF DISCREPANCY, RECEIVE

SPECIFICATIONS, APPLICABLE CODES

AND GOOD PRACTICE. DEVIATIONS

AUTHORIZATION OF THE ARCHITECT.

DRAWINGS WHICH MAY BE NEEDED

ALL DIMENSIONS AND CONDITIONS

EXISTING WORK WHICH INTERFERES

FROM THE DRAWINGS AND

SPECIFICATIONS WILL NOT BE

PERMITTED WITHOUT WRITTEN

THE CONTRACTOR SHALL BE

RESPONSIBLE FOR THE SHOP

ARE TO BE FIELD VERIFIED.

CONTRACTOR TO REMOVE &

WITH NEW CONSTRUCTION.

RELOCATE AS REQUIRED ALL

CLARIFICATION FROM ARCHITECT PRIOR TO PROCEEDING. EXCAVATE AND BACK FILL FOR WORK INDICATED ON DRAWINGS. STOCKPILE TOPSOIL OBTAINED FROM STRIPPING DRIVEWAY AND BUILDING SITE. STOCKPILE ALL EXCAVATED MATERIAL. NEW AND EXISTING BACK FILL MATERIAL AND TOPSOIL ARE TO BE FREE OF WEEDS, TREE ROOTS, ROCKS AND DEBRIS. ALL SURPLUS MATERIAL THAT IS UNSUITABLE FOR BACK FILL MATERIAL WITH MASONRY SHALL BE ACQ. ALL SHALL BE REMOVED FROM THE SITE. PROTECT ALL TREES WITHIN EIGHT FEET OF THE BUILDING. PROPER APPROVALS MUST BE OBTAINED BEFORE COVERING ANY EXCAVATED BE COVERED WITH "TYVEK" HOUSE WORK.

ALL CONCRETE BLOCK IS TO HAVE "DUR-O-WALL" REINFORCING EVERY THIRD COURSE. FILL TOP COURSE SOLID. MORTAR MIX TO BE ONE PART SOLID BLOCKING UNDER ALL PORTLAND CEMENT, ONE PART LIME PUTTY, AND SIX PARTS SAND, OR ONE ALL CAP PLATES TO BE DOUBLED PART MASONRY CEMENT AND THREE PARTS SAND.

NO CONCRETE OR MASONRY WORK SHALL BE DONE DURING TEMPERATURES OF 40 DEGREES F. AND FALLING. NO CONCRETE SHALL SHALL BE MINIMUM 2/2X6 UNLESS BE PLACED ON FROZEN SURFACES. NO NOTED ON PLANS. MINIMUM BEARING ADDITIVES SHALL BE ALLOWED WITHOUT WRITTEN PERMISSION OF THE BE 3 1/2". USE DOUBLE JACK STUDS ARCHITECT ALL CONCRETE IS TO BE FOR HEADERS OVER FIVE FEET IN MIN. 3,500 P.S.I. AT 28 DAYS \$ 4,000 LENGTH. PSI FOR GARAGE SLAB. PROVIDE ALL SLEEVES AND FOUNDATION VENTS AS REQUIRED BY NYS CODE. UNLESS INDICATED, ALL FOUNDATION FOOTINGS ARE TO BE A MIN. 8" DEEP PROJECTING 6" ON EACH SIDE OF THE FOUNDATION WALL. PROVIDE TWO #4 DEFORMED BARS CONTINUOUS IN THE FOOTING. ALL 4" THICK CONCRETE SLABS TO HAVE 6X6 10/10 WELDED WIRE REINFORCING. ANCHOR BOLTS IN CONCRETE SHALL BE HOOKED 5/8" X NOTE: ALL NON-ENGINEERED LUMBER 12" AT MAX. 3' O.C. PROVIDE BITUMEN TO BE DOUGLAS FIR #2 OR BETTER EXPANSION JOINTS BETWEEN SLABS

AND FOUNDATION WALLS.

FIREPLACE OPENING AND FLUE SIZE TO BE AS INDICATED ON DRAWINGS. FOR A TOTAL RECOVERY CAPACITY OF 150 CFM MIN. MAINTAIN MAXIMUM 20 CFM INFILTRATION THROUGH THE FLUE WHEN NOT IN USE PROVIDE FIREPLACE OPENING WITH GLASS DOORS TO CONFORM TO THE 2015 IECC. FIREBOX TO BE COMPLETELY LINED WITH FIREBRICK. PROVIDE MIN. 4" NON COMBUSTIBLE FIRE STOPPING BETWEEN COMBUSTIBLE WOOD FRAME

FOUNDATION WATERPROOFING NSTALL TWO LAYERS OF TOWELED ON OWNER'S APPROVAL, PRIOR TO FIBERGLASS MASTIC. (FED. SPEC. S.S.C. 153 TYPE-I) MEMBRANE TO BE CONTINUOUS FROM TOP OF FOUNDATION AND EXTEND TO LAP EDGE OF FOOTING.

CONSTRUCTION.

FIRE BLOCKING FIRE BLOCKING SHALL BE PROVIDED, AS PER SECTION R502.13 OF THE RESIDENTIAL CODE OF NEW YORK STATE, TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL).

CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AT THE CEILING AND FLOOR LEVELS. CONCEALED HORIZONTAL FURRED SPACES SHALL ALSO BE FIRE BLOCKED AT INTERVALS NOT

CONTRACTOR SHALL INSTALL WATER SHUT-OFF VALVES AT ALL FIXTURES ALL WATER PIPING TO HAVE CLEANOUTS AT ALL CHANGES OF DIRECTION AND AT BASE OF VERTICAL WASTES. USE 4" CAST IRON THROUGH FOUNDATION WALL PITCHED MIN. I/8" PER FOOT. TRAP/WASTE SIZES FOR FIXTURES SHALL BE AS FOLLOWS: DISH WASHER KITCHEN SINK 1 1/2" LAVATORY 1 1/4"

ALL SYSTEMS TO HAVE ONE 3" MAIN VENT STACK INCREASED TO 4" THROUGH THE ROOF. PROVIDE FROST PROOF HOSE-BIBS AS INDICATED ON PLANS WITH EASILY ACCESSIBLE DRAIN DRAIN-COCKS. THE WATER SUPPLY AND SEWAGE DISPOSAL SYSTEM SHALL COMPLY TO THE APPLICABLE COUNTY DEPARTMENT OF HEALTH STANDARDS AND REGULATIONS. APPROVAL OF ALL PLUMBING MUST BE OBTAINED FROM APPROPRIATE LOCAL AUTHORITIES PRIOR TO CONCEALMENT, PRIOR TO ORDERING, CONTRACTOR SHALL SUPPLY CUTS OF FIXTURES FOR OWNERS APPROVAL. IN THE EVENT

SHOWER

SUBCONTRACTORS COST FOR THE CHANGED UNIT. SYSTEM TO BE DESIGNED BY OTHERS. PROVIDE PROPER SUPPLY TO ALL

THAT THE OWNER CHANGES, THE

OWNER FOR THE FULL

CONTRACTOR SHALL CREDIT THE

ROOMS & CONFORM WITH ALL STATE AND LOCAL CODES.

FRAMING AND ROUGH CARPENTRY JOISTS RAFTERS AND STUDS SHALL BE CONSTRUCTION GRADE DOUGLAS FIR-SOUTH SELECT STRUCTURAL. ALL WOOD SILLS AND WOOD IN CONTACT EXTERIOR SHEATHING SHALL BE 1/2 CDX DOUGLAS FIR PLYWOOD. SUB-FLOORS TO BE 3/4" CDX PLYWOOD EXTERIOR SHEATHING TO FOR ARCHITECT'S AND/OR OWNERS APPROVAL. WRAP OR APPROVED EQUAL. BLOCK STUD WALLS AT 1/2 STORY HEIGHTS AND AT ALL UNSUPPORTED EDGES OF INSTALLED AS PER SECTION R702.3.2.

PLYWOOD. PROVIDE SOLID BLOCKING AND DIAGONAL BRACING OF FLOOR JOISTS AT 8' O.C. MAXIMUM AND UNSUPPORTED EDGES OF PLYWOOD. AND NAILED BOTTOM CAP PLATED TO END OF STUDS. LAP CAP PLATES AT CORNERS. WHERE FLUSH FRAMING OCCURS, USE MIN. 16GA SHEET METAL JOIST HANGERS BY "TECO" OR APPROVED EQUAL. ALL CORNERS TO BE MINIMUM 3/2X4 STUDS. HEADERS CORNERS AND AROUND ALL FOR STUDS, JOISTS AND BEAMS SHALL OPENINGS.

FIXTURES.

ASPHALT ROOF SHINGLES INSTALLED AS PER SECTION R905.2 OF THE INTERNATIONAL RESIDENTIAL CODE ALL SLOPED ROOF SHINGLES WITH 6" DUCT AND DAMPER EACH SIDE SHALL BE GAF-CLASS-A ASPHALT ROOF SHINGLES OR APPROVED EQUAL. SHINGLES SHALL BE APPLIED OVER 15# ASPHALT FELT WITH GAF-WEATHER-WATCH ICE AND WATER BARRIER APPLIES AT EAVES, VALLEYS AND FLASHING. ROOFING CONTRACTOR TO PROVIDE ALL FLASHING NECESSARY FOR A WATERTIGHT, WEATHERPROOF JOB. ROOFING IS TO BE APPLIED IN STRICT ACCORDANCE WITH THE MANUFACTURES SPECIFICATIONS CONTRACTOR SHALL SUPPLY COLOR SAMPLES OF THE SHINGLES FOR INSTALLATION.

> <u>NSULATION</u> ALL EXTERIOR WALLS AND ROOFS SHALL BE INSULATED WITH FOIL FACED FIBERGLASS BATT INSULATION BY JOHN MANVILLE OR APPROVED EQUAL, FOIL TO BE PLACED TOWARD WARM SIDE. PROVIDE 11/2" RIGID FOAM INSULATION ON ALL EXTERIOR FOUNDATION WALLS FROM FOOTING TO 6"BELOW FINISHED GRADE UNLESS OTHERWISE SPECIFIED. CARE SHOULD BE TAKEN NOT TO DAMAGE FOUNDATION WATERPROOFING.

GLASS WINDOWS AND DOORS TO BE INSTALLED AS PER SECTION R308 OF THE RESIDENTIAL CODE OF N.Y.S. ALL GLASS IS TO BE INSULATED LOW-E UNLESS OTHERWISE SPECIFIED. GLASS SUBCONTRACTOR SHALL NOT INSTALL GLASS UNTIL PROPER CLEARANCES ARE PROVIDED. ALL SLIDING GLASS DOORS, SKYLIGHTS AND/OR WINDOWS AS REQUIRED BY CODE, SHALL BE INSULATED TEMPERED GLASS. ALL GLASS DOORS AND WINDOWS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURES SPECIFICATIONS. ALL WINDOWS ARE TO BE CAULKED AND SEALED AS PER 2015 IECC REQUIREMENTS. PROVIDE FLASHING PANS UNDER ALL SLIDER, DOORS, AND WINDOWS WITHIN A 6" OF AN EXTERIOR DUCT CONSTRUCTION: SURFACE. ALL EXTERIOR DOORS ARE -ALL JOINTS, SEAMS, AND TO BE FULLY WEATHER-STRIPPED. PROVIDE ALL SCREENS AND HARDWARE AS REQUIRED. ALL GLASS IS TO BE FREE OF SCRATCHES AND IMPERFECTIONS AND GUARANTEED BY THE MANUFACTURER FOR A PERIOD OF NO LESS THAN 5 YEARS. ALL WINDOWS TO BE ANDERSEN UNLESS INDICATED

PAINTING AND STAINING THE FOLLOWING IS INCLUDED FOR THE CONVENIENCE OF THE PAINTING CONTRACTORS AND ONLY AS AN INDICATION OF THE TYPES OF PAINTS REQUIRED FOR VARIOUS SURFACES. IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE A COMPLETE FINISH. ALL PAINTED SURFACES MUST BE FULLY COVERED IN A UNIFORM MANNER TO BE **ACCEPTABLE** INTERIOR WOOD SURFACES-APPLY TO LIGHTLY SANDED SURFACES, WALLS, DOORS, FRAMES, TRIM, AND BASES, ONE COAT WOOD FILLER OR STAIN AND TWO COATS MCKLUSKY'S

OTHERWISE.

EGGSHELL FINISH NON-YELLOWING POLYURETHANE. GYPSUM BOARD- MINIMUM ONE COAT PRIMER AND TWO COATS FLAT PAINT. EXTERIOR WOOD SURFACES- TWO COATS EXTERIOR GRADE STAIN. EXTERIOR EXPOSED METAL- MINIMUM ONE COAT ZINC CHROMATE AND TWO COATS EXTERIOR ENAMEL. ALL MATERIAL SHALL BE OF BEST QUALITY PITTSBURGH, PRATT \$ LAMBERT, DUTCH BOY. CABOTS, MCKLUSKYS, OR APPROVED EQUAL. CONTRACTOR IS TO PROVIDE SAMPLES OF ALL PAINTS AND STAINS

GYPSUM WALL BOARD THROUGH R702.3.6 OF THE INTERNATIONAL RESIDENTIAL CODE. GYPSUM WALLBOARD APPLICATION SHALL BE TAPE JOINT SYSTEM. ALL GYPSUM BOARD TO BE 1/2" ON WALLS AND 1/2" ON CEILINGS UNLESS OTHERWISE INDICATED. FINISH JOINTS, PIPES TO THE LEVELS ON TABLE I. J-BEADS. NAIL DIMPLES, CORNERS AND EDGES SHALL BE TAPED AND RECEIVE THREE COATS OF JOINT COMPOUND. ALLOW 24 HOURS TO DRY PIPES TO THE LEVELS ON TABLE I. BETWEEN COATS. FINAL COAT TO BE SANDED SMOOTH. METAL CORNER BEAD TO BE USED ON ALL OUTSIDE

ELECTRICAL ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE AND ALL I. OBTAIN ALL PERMITS PRIOR TO STATE, LOCAL, AND UTILITY COMPANY CODES AND REGULATIONS. ALL CIRCUITS SHALL BE MINIMUM 15 AMP. POWER WIRING SHALL BE MINIMUM 14 AMG. CONVENIENCE OUTLETS SHALL BE LOCATED 12" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED. ALL SWITCHED TO BE LOCATED 36" ABOVE THE FINISHED FLOOR UNLESS OTHERWISE INDICATED. SUPPLY RECOMMENDED LAMPS IN ALL

<u>2020 ECC OF NEW YORK STATE</u> (2018 IECC)

-AIR LEAKAGE: -JOINTS, PENETRATIONS, AND ALL OTHER SUCH OPENINGS IN THE BUILDINGS ENVELOPE THAT ARE SOURCES OF AIR LEAKAGE MUST BE SEALED.

-RECESSED LIGHTS MUST BE TYPE IC RATED AND INSTALLED WITH NO PENETRATIONS, OR TYPE IC OR NON-IC RATED INSTALLED INSIDE AN APPROPRIATE AIR-TIGHT ASSEMBLY WITH 0.5" CLEARANCE FROM COMBUSTIBLE MATERIALS AND 3" CLEARANCE FROM INSULATION

VAPOR RETARDER: -REQUIRED ON THE WARM-IN-WINTER SIDE OF ALL NON-VENTED FRAMED CEILINGS, WALLS, AND FLOORS.

MATERIALS IDENTIFICATION: -MATERIALS AND EQUIPMENT MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. -MATERIALS AND EQUIPMENT MUST IDENTIFIED SO THAT THE COMPLIANCE CAN BE DETERMINED. -MANUFACTURER MANUALS FOR ALL INSTALLED HEATING AND COOLING EQUIPMENT AND SERVICE WATER HEATING EQUIPMENT MUST BE

PROVIDED. -INSULATION R-VALUES AND GLAZING U-FACTORS MUST BE CLEARLY MARKED ON THE BUILDING PLANS OR SPECIFICATIONS.

DUCT INSULATION: -SUPPLY DUCTS IN UNCONDITIONED ATTICS OR OUTSIDE THE BUILDING MUST BE INSULATED TO R-8. -RETURN DUCTS IN UNCONDITIONED ATTICS OR OUTSIDE THE BUILDING MUST BE INSULATED TO R-4. -SUPPLY DUCTS IN UNCONDITIONED SPACES MUST BE INSULATED TO R-8 -RETURN DUCTS IN UNCONDITIONED SPACES (EXCEPT BASEMENTS) MUST BE INSULATED TO R-2. -INSULATION IS NOT REQUIRED ON RETURN DUCTS IN BASEMENTS.

CONNECTIONS MUST BE SECURELY FASTENED WITH WELDS, GASKETS, MASTICS (ADHESIVES) MASTIC-PLUS-EMBEDDED-FABRIC, OR TAPES. DUCT TAPE IS NOT EXCEPTION: CONTINUOUSLY WELDED

AND LOCKING-TYPE LONGITUDINAL

JOINTS AND SEAMS ON DUCTS

OPERATING AT LESS THAN 2" w.g. (500 PA.) -DUCTS SHALL BE SUPPORTED EVERY MANUFACTURER'S INSTRUCTIONS. -COOLING DUCTS WITH EXTERIOR INSULATION MUST BE COVERED WITH A VAPOR RETARDER. -AIR FILTERS ARE REQUIRED IN THE RETURN AIR SYSTEM.

-THE HVAC SYSTEM MUST PROVIDE A

WATER SYSTEMS. TEMPERATURE CONTROLS: -EACH DWELLING UNIT HAS AT LEAST ONE THERMOSTAT CAPABLE OF AUTOMATICALLY ADJUSTING THE SPACE TEMPERATURE SET POINT OF THE LARGEST ZONE.

MEANS FOR BALANCING AIR AND

ELECTRIC SYSTEMS: -SEPARATE ELECTRIC METERS ARE REQUIRED FOR EACH DWELLING UNIT.

FIREPLACES:

-FIREPLACES MUST BE INSTALLED WITH TIGHT FITTING NON-COMBUSTABLE PARTY. FIREPLACE DOORS -FIREPLACES MUST BE PROVIDED WITH A SOURCE OR COMBUSTION AIR, AS REQUIRED BY THE FIREPLACE CONSTRUCTION PROVISIONS OF THE BUILDING CODE OF NEW YORK STATE, AND THE RESIDENTIAL CODE OF NEW YORK OUTSIDE STATE OR THE NEW YORK CITY BUILDING CODE, AS APPLICABLE.

SERVICE WATER HEATING: -WATER HEATERS WITH VERTICAL ON BOTH THE INLET AND THE OUTLET UNLESS THE WATER HEATER HAS AN INTEGRAL HEAT TRAP OR IS PART OF A CIRCULATING SYSTEM. -INSULATE CIRCULATING HOT WATER

CIRCULATING HOT WATER SYSTEMS: -INSULATE CIRCULATING HOT WATER HEATING AND COOLING PIPING

INSULATION: -HVAC PIPING CONVEYING FLUIDS ABOVE 105°F OR CHILLED FLUIDS BELOW 55°F MUST BE INSULATED TO THE LEVELS IN TABLE 2.

THE START OF WORK.

2. ALL BEDROOM TO BE PROVIDED WITH ROD & SHELF, ALL LINEN CLOSETS TO BE PROVIDED WITH 5 ROWS OF SHELVES.

3. DOOR TRIM AND BASE MOLDING TO BE SELECTED 4. ALL BATHROOM FIXTURES AND FAUCETS TO BE SUPPLIED BY OWNER

AND INSTALLED BY CONTRACTOR 5. FINISHES TO BE SUPPLIED BY OWNER

MINIMUM DESIGN DEAD LOADS* AS PER ASCE 7-05

COMPONENT	LOAD (psf)			
CEILINGS				
GYPSUM BOARD (1/2-in.)	7.	.0		
GYPSUM BOARD (5/8-in.)	9	.0		
SUSPENDED STEEL CHANNEL SYSTEM	2	.0		
COVERINGS, ROOF, AND W	ALL			
ASPHALT SHINGLES	2	.0		
GYPSUM SHEATHING, 1/2-in.	2	.0		
PLYW00D (per 1/2-in.)	1.	6		
RIGID INSULATION, 1/2-in.	0.	75		
SINGLE-PLY SHEET WATERPROOFING MEMBRANE	0	.7		
BITUMINOUS, SMOOTH SURFACE WATERPROOFING MEMBRANE		5		
FLOORS AND FLOOR FINIS	HES			
CERAMIC OR QUARRY TILE (3/4-in.) ON 1/2-in. MORTAR BED	16	.0		
HARDWOOD FLOORING, 7/7-in. 4.0				
LINOLEUM OR ASPHALT TILE, 1/4-in.	1.1	0		
SUBFLOORING, 3/4-in.	3	.0		
FLOORS, WOOD JOIST (no plaster) JOIST SIZES (in.)	12-in. 0.C.	16-in 0.C.		
2×6	6	5		
2×8	6	6		
2xI0	7	6		
2xl2	8	7		
FRAME PARTITIONS				
WOOD OR STEEL STUDS, 1/2-in. GYP. BOTH SIDES	8	.0		
FRAME WALLS	_			
EXTERIOR STUD WALLS:				
2x4 @ 16-in., 5/8-in. GYPSUM, INSULATED, 3/8-in. SIDING	11.	0		
2x6 @ 16-in., 5/8-in. GYPSUM, INSULATED, 3/8-in. SIDING	12	.0		
EXTERIOR STUD WALLS WITH BRICK VENEER	48	30		

PLASTER, ADD 5 ib/ft2 FOR EACH FACE PLASTERED. VALUES GIVEN REPRESENT AVERAGES. IN SOME CASES THERE IS A CONSIDERABLE RANGE OF WEIGHT FOR THE SAME CONSTRUCTION.

2020 ECC OF NEW YORK STATE (2018 IECC) R401.3: PERMANENT CERTIFICATE - SHALL BE COMPLETED BY THE BUILDER OR REGISTERED DESIGN PROFESSIONAL AND IO FEET OR IN ACCORDANCE WITH THE POSTED IN THE UTILITY ROOM OR OTHER APPROVED LOCATION INSIDE THE BUILDING.

> R402.2.4: ATTIC OR CRAWL SPACE ACCESS - SHALL BE WEATHER-STRIPPED AND INSULATED TO A LEVEL EQUIVALENT TO THE INSULATION ON THE SURROUNDING SURFACES.

R402.4: AIR LEAKAGE - BUILDING THERMAL ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE TO < 3 AIR CHANGES PER HOUR.

R402.4.1.1: INSTALLATION - THE COMPONENTS OF THE BUILDING THERMAL ENVELOPE SHALL BE INSTALLED IN ACCORDANCE WITH THE CRITERIA LISTED IN TABLE 402.4.1.1. WHERE REQUIRED BY CODE OFFICIAL, AN APPROVED THIRD PARTY SHALL INSPECT ALL COMPONENTS AND VERIFY COMPLIANCE

R402.4.1.2: TESTING - BUILDING OR DWELLING UNIT SHALL BE TESTED AND VERIFIED AS HAVING (3 ACH50 IN CZ4A, 5, A6A. TESTING SHALL BE CONDUCTED BY AN APPROVED THIRD

R402.4.4: COMBUSTION CLOSETS - ROOMS CONTAINING FUEL-BURNING APPLIANCES REQUIRE SPECIAL CARE EXCEPTION: DIRECT VENT APPLIANCES WITH BOTH INTAKE EXHAUST PIPES INSTALLED CONTINUOUS TO THE

R403.3.2: DUCT SEALING - DUCTS, AIR HANDLERS, AND FILTER BOXES SHALL BE SEALED.

PIPE RISERS MUST HAVE A HEAT TRAP R403.3.3: DUCT TESTING - DUCTS SHALL BE PRESSURE TESTED TO DETERMINE AIR LEAKAGE

EXCEPTION: DUCT LEAKAGE TEST IS NOT REQUIRED WHERE THE DUCTS AND AIR HANDLERS ARE LOCATED THERMAL ENVELOPE. ENTIRELY WITHIN THE BUILDING

R403.3.5: BUILDING CAVITIES - SHALL NOT BE USED AS DUCTS OR PLENUMS

R403.4: MECHANICAL SYSTEM PIPING INSULATION - CARRYING FLUIDS >105°F OR <55°F, INSULATE TO R-3 MIN.

R403.6: MECHANICAL VENTILATION - THE BUILDING SHALL BE PROVIDED WITH VENTILATION THAT MEETS THE REQUIREMENTS OF IRC/IMC.

THE MECHANICAL VENTILATION RATE SHALL BE NO GREATER THAN 0.01 X CFA + 7.5 X (# OF BEDROOMS + 1)

*CFA = CONDITIONED FLOOR AREA

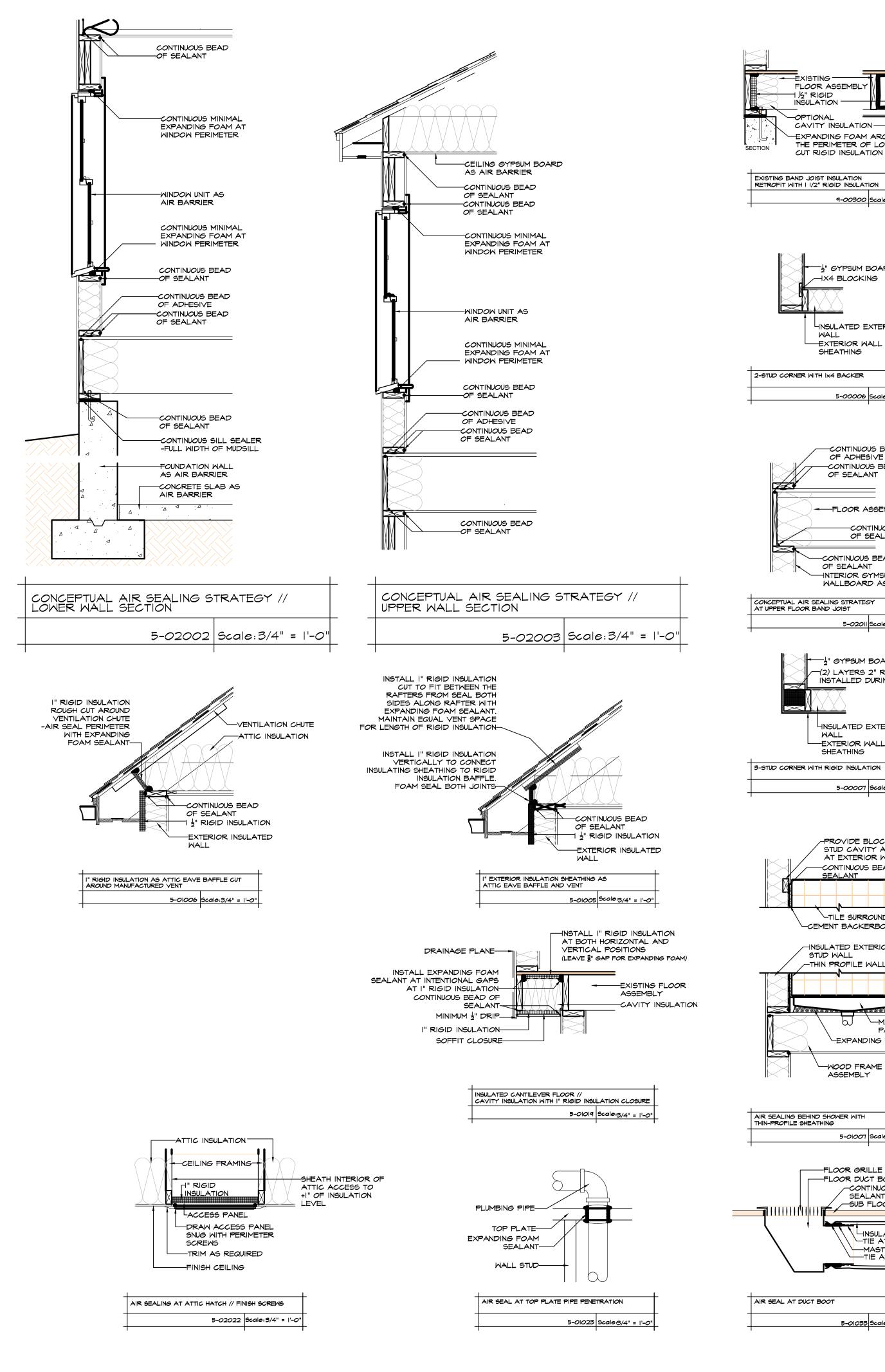
R403.7: EQUIPMENT SIZING - PER ACCA MANUEL S, BASED ON LOADS CALCULATED PER ACCA MANUEL J

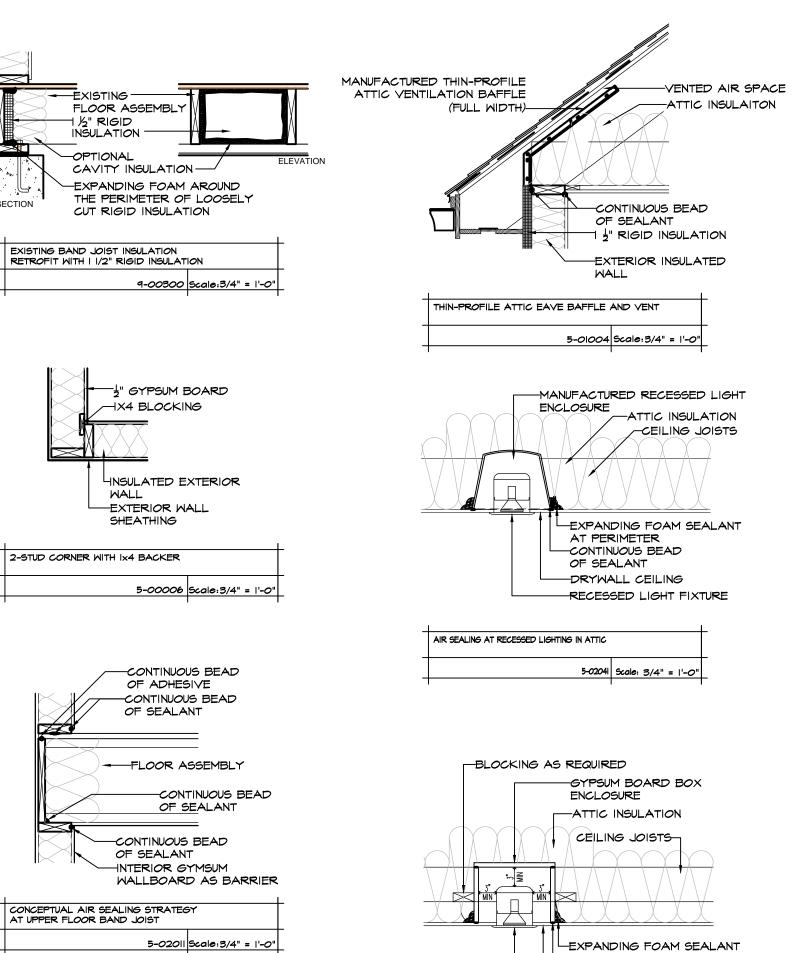
R404.1: LIGHTING - A MINIMUM OF 90% OF PERMANENTLY INSTALLED FIXTURES MUST HAVE HIGH-EFFICANCY LAMPS LOW-VOLTAGE LIGHTING EXEMPT

TABLE 1: MINIMUM INSULATION THICKNESS FOR CIRCULATING HOT WATER PIPES				
INSULATION THICKNESS IN INCHES BY PIPE SIZES				
HEATED WATER	NON-CIRCULATING RUNOUTS CIRCULATING MAINS AND RUNOUT			
TEMPERATURE (F)	MPERATURE (F) UP TO 1" UP TO 1.25"		1.5" TO 2.0"	OVER 2"
170-180	0.5	1.0	1.5	2.0
140-160	0.5	0.5	1.0	1.5
100-130	0.5	0.5	0.5	1.0

PIPING SYSTEM	FLUID TEMP.	INSULATION	THICKNESS IN	INCHES BY	PIPE SIZE
TYPES	RANGE (F)	2" RUNOUTS	I" AND LESS	1.25" TO 2"	2.5" TO 4
HEATING SYSTEMS					
LOW PRESSURE/TEMPERATURE	201-250	1.0	1.5	5	2.0
LOW TEMPERATURE	120-200	0.5	1.0	1.0	1.5
STEAM CONDENSATE (FEED WATER)	ANY	1.0	1.0		2.0
COOLING SYSTEMS					
CHILLED WATER, REFRIGERANT	201-250	1.0	1.5	1.5	2.0
AND BRINE	120-200	0.5	1.0	1.0	1.5

1200 ww	Vete Hau P F C	O'C	Memite 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1:	NEL norial 20 NY 11 0-660 0-660 3-03	L, Hi 78 56 57 25	A gh	way
	\	_				/	
CONSULTANTS:							NYS LIC #027935
OTHER DOCUMENTS PREPARED BY RE THE INSTRUMENTS OF THE	ARCHITECT'S SERVICES FOR USE SOLELY WITH RESPECT TO THIS PROJECT AND, UNLESS OTHERWISE PROVIDED, THE ARCHITECT SHALL BE DEEMED	THE AUTHOR OF THESE DOCUMENTS AND SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS INCLUDING COPYRIGHT. THE OWNER SHALL BE PERMITTED TO RETAIN COPIES OF THE ARCHITECTS.	TER DOCUMENTS FOR THE PROJECT. OT BE USED BY THE OWNER OR	ADDITIONS TO THIS PROJECT OR FOR THERS.		ראביט אביט שביט	100
THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS PREPARED BY THE ARCHIECT FOR THIS PROJECT ARE THE INSTRUMENTS OF THE	ARCHITECT'S SERVICES FOR USE SOLELY WITH RESPECT TO THIS PROJE AND, UNLESS OTHERWISE PROVIDED, THE ARCHITECT SHALL BE DEEMED	THE AUTHOR OF THESE DOCUMENTS AND SHALL RETAIN ALL COMMON LA STATUTORY AND OTHER RESERVED RIGHTS INCLUDING COPPRIGHT. THE CONNER SHALL BE PERSHITTED TO RETAIN COPIES, OF THE ARCHITECTS.	DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS FOR THE PROJECT. THE ARCHITECT'S DRAWINGS SHALL NOT BE USED BY THE ONNER OR	OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS.			DRAMN BY: TC
			70	77	Ļ)	BY:
			8-10-21 AMENDMENT #1	4-9-21 UPDATED PER EXAMINER COMMENTS TO			NOTE:
			8-10-21	4-9-21	ממ	17-0-0	DATE:
			_				REV #:
SED ADDITION & ALTERATION			OF ATTENT LANT				





1 GYPSUM BOARD

MALL

-EXTERIOR WALL

(2) LAYERS 2" RIGID INSULATION

INSTALLED DURING FRAMING

5-00007 | Scale:3/4" = 1'-0"

PROVIDE BLOCKING AT STUD CAVITY AT SHOWER

TILE SURROUND FINISH

THIN PROFILE WALL SHEATHING

-EXPANDING FOAM

-WOOD FRAME FLOOR

5-01007 | Scale:3/4" = 1'-0"

-CONTINUOUS BEAD OF

UNSULATED FLEXIBLE DUCT

-MASTIC AT INNER LINER

TIE AT OUTER LINER

5-01033 Scale:3/4" = 1'-0"

ASSEMBLY

-FLOOR GRILLE

-FLOOR DUCT BOOT

SEALANT

-SUB FLOOR

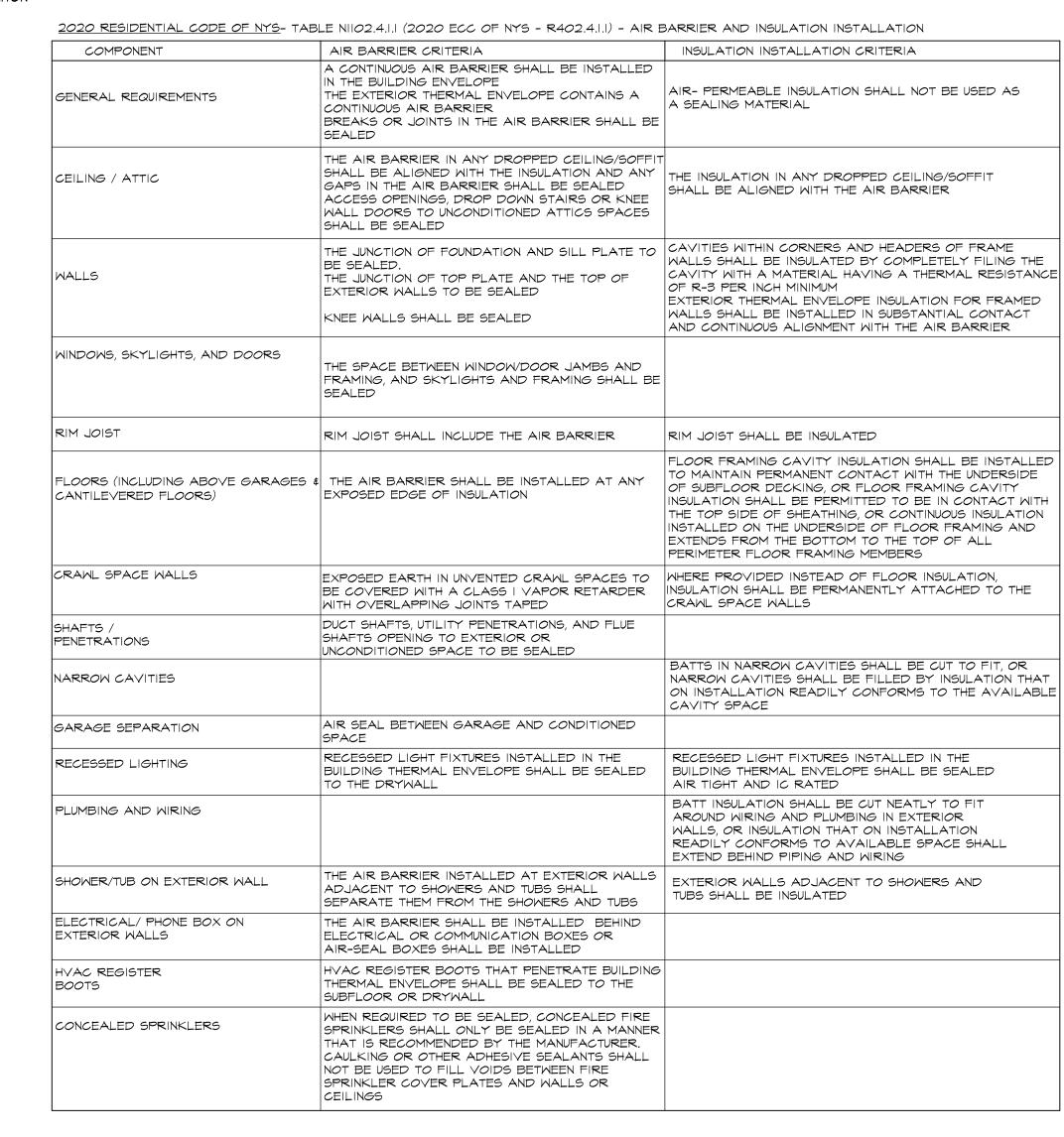
MANUF. SHOWER

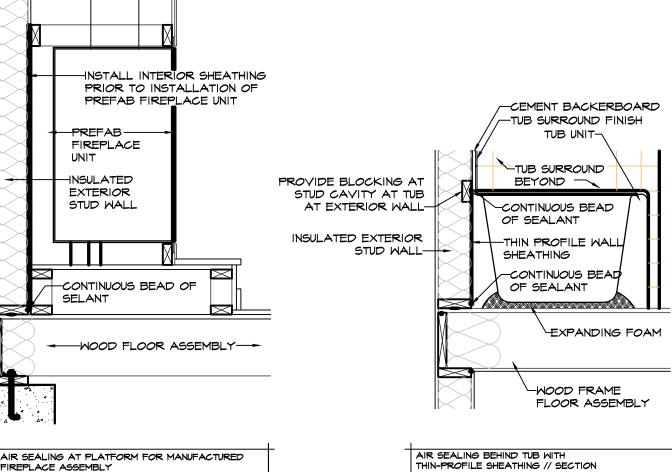
-CEMENT BACKERBOARD

HNSULATED EXTERIOR

STUD WALL

AT EXTERIOR WALL -CONTINUOUS BEAD OF





5-01009 Scale:3/4" = 1'-0"

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AIR SEALING AT PLATFORM FOR MANUFACTURED FIREPLACE ASSEMBLY
5-01012 Scale:3/4" = 1'-0"
TOP PLATE EXPANDING FOAM SEALANT WALL STUD
AIR SEAL AT TOP PLATE ELECTRICAL PENETRATION
5-01024 Scale:3/4" = 1'-0"

AT PERIMETER

-CONTINUOUS BEAD OF

-RECESSED LIGHT FIXTURE

5-02040 | Scale: 3/4" = 1'-0"

DRYWALL CEILING

AIR SEALING AT RECESSED LIGHTING IN ATTIC

MATERIAL	R-VALUE		
BUILDING BOARD			
	0.45		
GYPSUM WALL BOARD (1/2")	0.5625		
GYPSUM WALL BOARD (5/6")	0.562		
PLYWOOD (½") PLYWOOD (¾")	0.02		
SIDING			
ALUMINUM/ VINYL SIDING (NOT INSULATED)	0.61		
ALUMINUM/ VINYL SIDING (1/2" INSULATION)	1.80		
FLOORING			
HARDWOOD FLOORING (3/4")	0.68		
TILE	0.05		
CARPET WITH FIBER PAD	2.08		
CARPET WITH RUBBER PAD	1.23		
AIR SPACE (1/2" UP TO 4")	1.00		
ROOFING			
ASPHALT SHINGLES	0.44		
WOOD SHINGLES	0.97		
DOORS			
WOOD, SOLID CORE (I $\frac{3}{4}$ ")	2.17		
INSULATED METAL DOOR (2")	15.00		
	0.08		

MATERIALS R-VALUES

			8-10-21 AMEND	4-9-21 DPDATE	3-3-21 CONSTR	NOTE
			12-01-8	4-9-21	3-3-2	DATE
						REV #.
PROPOSED ADDITION & ALTERATION				$\parallel \parallel$ MOOUMERE, NY 11598		DRAMING:
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