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FRONT ELEVATION

Currier Residence



CAOLA ENGINEERING LLC
 7 Tenney Court
 Wyandanch, New York 11798
 Tel: 631-763-8879 info@caola.com

VERSION	DATE	DESCRIPTION
001	10/20/20	FINAL CONSTRUCTION PLANS

ISSUANCE PLAN DATE: JANUARY 26, 2020

CURRIER RESIDENCE
 NEW CONSTRUCTION PLAN
 9 BLEAKLEY AVENUE
 TOWN OF PRINCEWICK
 RENSSELAER COUNTY

COVER SHEET
 ELEVATION VIEWS
 SHEET 1 OF 7

THESE PLANS DESIGNED TO CONFORM TO THE 2016 EDITION OF THE INTERNATIONAL RESIDENTIAL CODE (IRC), AS ADOPTED BY NEW YORK STATE.



REVISION	DATE	DESCRIPTION

CAOLA ENGINEERING
7 Thayer Court
Poughkeepsie, New York 12548
Tel: 845-384-2000
www.caolaeng.com

GENERAL NOTES

- THE PLANS CONTAINED HEREIN WERE DESIGNED TO CONFORM TO THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) AND ALL APPLICABLE LOCAL ORDINANCES AND REGULATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT ALL REGULATIONS, ORDINANCES AND CODES APPLICABLE TO THIS PROJECT ARE CURRENT AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCING WORK.

CONCRETE

- 1. ALL CONCRETE FOR WALLS, FOOTINGS AND FOUNDATIONS SHALL BE PLACED AND VIBRATED TO A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS.
- 2. ALL CONCRETE FOR SLABS SHALL BE PLACED AND VIBRATED TO A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS.
- 3. CONCRETE FORMING, STRIPPING AND CURING METHODS SHALL CONFORM TO ALL CURRENT PRACTICES ENDORSED BY THE AMERICAN CONCRETE INSTITUTE.
- 4. PATCHWORK SHALL BE DONE WITH A MINIMUM STRENGTH OF 3500 PSI AT 28 DAYS.
- 5. CONCRETE SHALL BE PLACED AGAINST FORMWORK THAT REMAINS UNTIL CURED.

GENERAL STRUCTURAL NOTES

- 1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER TRADES AND THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL DIMENSIONS, HEIGHTS AND LOCATIONS OF ALL ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL OTHER TRADES AND OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCING WORK.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCING WORK.

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MISCELLANEOUS

- 1. PLUMBING DRAWINGS OR DRAWINGS SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL DIMENSIONS, HEIGHTS AND LOCATIONS OF ALL ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCING WORK.
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SMOKE ALARMS

- 1. SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:
 - 1. IN EACH SLEEPING ROOM
 - 2. OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.
 - 3. ON EACH ADDITIONAL STORY OF THE DWELLING, INCLUDING BASEMENTS AND HABITABLE ATTICS OR OPENING OF A PATIO OR PORCH THAT CONTAINS A SLEEPING AREA.
- 2. SMOKE ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE DWELLING.
- 3. SMOKE ALARMS SHALL BE INTERCONNECTED TO A PERMANENTLY INSTALLED SMOKE APPLIANCE OR TO A BATTERY-OPERATED SMOKE ALARM.
- 4. PHOTOELECTRIC SMOKE ALARMS SHALL NOT BE INSTALLED LESS THAN 4 FT HORIZONTALLY FROM A PERMANENTLY INSTALLED SMOKE APPLIANCE.
- 5. PHOTOELECTRIC SMOKE ALARMS SHALL NOT BE INSTALLED LESS THAN 4 FT HORIZONTALLY FROM A PERMANENTLY INSTALLED SMOKE APPLIANCE.

WOOD FRAMING

- 1. ALL WOOD SHALL BE DRY-KILN DRIED TO A MAXIMUM MOISTURE CONTENT OF 19%.
- 2. ALL WOOD SHALL BE PROTECTED WITH AN APPLICABLE FIRE-RETARDANT TREATMENT.
- 3. ALL WOOD SHALL BE PROTECTED WITH AN APPLICABLE TERMITE TREATMENT.
- 4. ALL WOOD SHALL BE PROTECTED WITH AN APPLICABLE ROT TREATMENT.
- 5. ALL WOOD SHALL BE PROTECTED WITH AN APPLICABLE INSECT TREATMENT.
- 6. ALL WOOD SHALL BE PROTECTED WITH AN APPLICABLE STAIN TREATMENT.
- 7. ALL WOOD SHALL BE PROTECTED WITH AN APPLICABLE DISCOLORATION TREATMENT.
- 8. ALL WOOD SHALL BE PROTECTED WITH AN APPLICABLE CHECKING TREATMENT.
- 9. ALL WOOD SHALL BE PROTECTED WITH AN APPLICABLE CRACKING TREATMENT.
- 10. ALL WOOD SHALL BE PROTECTED WITH AN APPLICABLE WARPING TREATMENT.

FOUNDATION

- 1. FOUNDATION WALLS SHALL BE PLACED AND VIBRATED TO A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS.
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DIMENSIONS

- 1. ALL DIMENSIONS SHALL BE AS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED.
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ERRORS AND OMISSIONS

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCING WORK.
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DESIGN LOADS

- 1. DEAD LOAD: 10 PSF
- 2. LIVE LOAD: 40 PSF
- 3. WIND LOAD: AS PER LOCAL CODES
- 4. SNOW LOAD: AS PER LOCAL CODES
- 5. SEISMIC LOAD: AS PER LOCAL CODES

CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

- 1. THE DESIGN SHALL BE BASED ON THE CLIMATIC AND GEOGRAPHIC DATA FOR THE PROJECT LOCATION.
- 2. THE DESIGN SHALL BE BASED ON THE CLIMATIC AND GEOGRAPHIC DATA FOR THE PROJECT LOCATION.
- 3. THE DESIGN SHALL BE BASED ON THE CLIMATIC AND GEOGRAPHIC DATA FOR THE PROJECT LOCATION.
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ENERGY CONSERVATION CONSTRUCTION CODE
 THIS STRUCTURE HAS BEEN DESIGNED TO BE IN COMPLIANCE WITH THE PROVISIONS OF THE 2008 INTERNATIONAL ENERGY CONSERVATION CODE, AS ADOPTED BY NEW YORK STATE CODE. THE ENERGY CONSERVATION CODE (ECC) IS A MODEL CODE. A CERTIFICATE GENERATED USING THE "RESOURCES" SOFTWARE PROGRAM SHALL BE PROVIDED BY THE ENGINEER TO DEMONSTRATE COMPLIANCE WITH CODE REQUIREMENTS.

INSULATION & WEATHER SEALING
 IT MAY BE NECESSARY TO ALTER THE WIDTH OF FRAMING MEMBERS OR THE SIZE AND STYLE OF WALL SHEATHING ON EXTERIOR WALLS IN ORDER TO ACCOMMODATE INSULVANT INSULATION MATERIALS AS MAY BE REQUIRED BY LOCAL CODES OR CONDITIONS. INSULATE WITH THE FOLLOWING R VALUES, WITH VAPOR BARRIER INSTALLED ON THE WARMER-SIDE OF THE INSULATION.

- CEILING INSULATION (ATTIC SPACE) R-49
- EXTERIOR WALLS R-41
- FLOOR OVER UNCONDITIONED SPACE R-41

WINDOWS & DOOR REQUIREMENTS

1. ALL WINDOWS ARE NOTED BY WINDOW SCHEDULE IN PLAN AND ELEVATION WITH SPECIFIC MANUFACTURER, SELECTION BY OWNER AND/OR CONTRACTOR. CONTRACTOR MUST VERIFY ALL REQUIRED ROUGH FRAME OPENINGS.
2. WINDOW SUBSTITUTIONS MAY BE MADE PROVIDED THAT THE PROPOSED WINDOW MEETS THE 2008 INTERNATIONAL RESIDENTIAL CODE REQUIREMENT FOR NATURAL LIGHT, VENTILATION AND ENERGY EFFICIENCY.
3. OPERABLE AND GLAZED DOORS MUST HAVE AT LEAST ONE WINDOW WITH A GILL HEIGHT OF NOT MORE THAN 1/2" ABOVE THE FLOOR AND A WINDOW NET CLEAR OPENING OF 51.56" IT WHICH WILL MEET ENERGY REQUIREMENTS.
4. PENETRATION U-FACTORS AND STRESS REQUIREMENTS ARE PROVIDED HEREIN WITHIN THE WINDOW SCHEDULE PROVIDED AS PART OF THE CONSTRUCTION DOCUMENTATION.
5. ALL OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL BE EQUIPPED WITH A 45 MINUTE FIRE-RATED DOOR ASSEMBLY EQUIPPED WITH A SELF-CLOSING DEVICE.
6. EXTERIOR DOORS ARE TO BE POOR CORE INSULATED STEEL DOORS UNLESS OTHERWISE NOTED.

AIR BARRIER and INSULATION INSTALLATION REQUIREMENTS

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA
GENERAL REQUIREMENTS	A CONTINUOUS AIR BARRIER SHALL BE INSTALLED IN THE PLANNED ENVELOPE. ALL PENETRATION THROUGH THE AIR BARRIER SHALL BE SEALED. JOINTS IN THE AIR BARRIER SHALL BE SEALED.	ALL PENETRATION THROUGH THE AIR BARRIER SHALL NOT BE USED AS A SEALING MATERIAL.
CEILING/ ATTIC	THE AIR BARRIER IN ANY GARAGED CEILING/ GYPTUM SHALL BE SEALED WITH THE INSULATION. JOINTS IN THE AIR BARRIER SHALL BE SEALED. DOORS TO UNCONDITIONED ATTIC SPACE SHALL BE SEALED.	THE INSULATION IN ANY GARAGED CEILING/ GYPTUM SHALL BE ALIGNED WITH THE AIR BARRIER.
WALLS	THE SECTION OF THE FOUNDATIONING SHALL BE SEALED TO THE BOTTOM OF THE TOP PLATE AND THE TOP OF THE INSULATION SHALL BE SEALED.	CRACKS, GAPS, JOINTS AND PENETRATION THROUGH THE AIR BARRIER SHALL BE SEALED BY COMPLETELY FILLING THE GAPS WITH AN EQUAL OR BETTER INSULATION. EXTERIOR INTERNAL ENVELOPE INSULATION FOR FRAMED WALLS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S CONTINUOUS ALIGNMENT WITH THE AIR BARRIER.
WINDOWS, SCHEDULES and DOORS	THE GAPS BETWEEN THE WINDOW/ DOOR FRAME AND FRAME, AND SCHEDULES AND FRAMES SHALL BE SEALED.	ALL JOINTS SHALL BE SEALED.
DOORS INCLUDING DOOR GARAGE AND UNCONDITIONED TUNNELS	DOORS INCLUDING DOOR GARAGE AND UNCONDITIONED TUNNELS SHALL BE SEALED.	FLOOR FRAMING GYPTUM SHALL BE INSTALLED ON BOTH SIDES OF THE DOOR, OR LARGER FRAMING GYPTUM INSULATION SHALL BE INSTALLED ON BOTH SIDES OF THE DOOR. INSULATION SHALL BE INSTALLED ON THE UNDERSIDE OF FLOOR FRAMING AND EXTERIOR FROM FRAMING UNLESS NOTED.
CRACK, SPACE WALLS	EXPOSED EXTERIOR FINISHED CRACK SPACES SHALL BE SEALED. CRACKS SHALL BE SEALED WITH WATER RESISTANT GYPTUM.	WHERE PROVIDED BETWEEN FLOOR INSULATION INSULATION SHALL BE PERMANENTLY ATTACHED TO THE CONCRETE WALLS.
SHAFTS, PENETRATIONS	ALL PENETRATION THROUGH THE AIR BARRIER SHALL BE SEALED.	DOORS IN UNFINISHED SPACES SHALL BE SET TO FIT AS INDICATED BY THE MANUFACTURER. INSULATION SHALL BE INSTALLED ON INSULATION SUPPLY CONTAINERS TO THE AVAILABLE GYPTUM SPACE.
WINDOW CASINGS	THE AIR BARRIER SHALL BE INSTALLED AT ANY OPENED EDGE OF INSULATION.	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING ENVELOPE SHALL BE SEALED TO THE AVAILABLE GYPTUM SPACE.
SPACE RETENTION	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING ENVELOPE SHALL BE SEALED TO THE AVAILABLE GYPTUM SPACE.	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING ENVELOPE SHALL BE SEALED TO THE AVAILABLE GYPTUM SPACE.
RECESSED LIGHTING	THE AIR BARRIER SHALL BE INSTALLED AT ANY OPENED EDGE OF INSULATION.	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING ENVELOPE SHALL BE SEALED TO THE AVAILABLE GYPTUM SPACE.
PLUMBING and VENTS	THE AIR BARRIER SHALL BE INSTALLED AT ANY OPENED EDGE OF INSULATION.	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING ENVELOPE SHALL BE SEALED TO THE AVAILABLE GYPTUM SPACE.
SPENCER/ TUB ON EXTERIOR WALL	THE AIR BARRIER SHALL BE INSTALLED AT ANY OPENED EDGE OF INSULATION.	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING ENVELOPE SHALL BE SEALED TO THE AVAILABLE GYPTUM SPACE.
ELECTRICAL / PHONE BOX ON EXTERIOR WALL	THE AIR BARRIER SHALL BE INSTALLED AT ANY OPENED EDGE OF INSULATION.	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING ENVELOPE SHALL BE SEALED TO THE AVAILABLE GYPTUM SPACE.
RWAL ROSETER DOORS	THE AIR BARRIER SHALL BE INSTALLED AT ANY OPENED EDGE OF INSULATION.	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING ENVELOPE SHALL BE SEALED TO THE AVAILABLE GYPTUM SPACE.
CONCEALED SPRINKLERS	THE AIR BARRIER SHALL BE INSTALLED AT ANY OPENED EDGE OF INSULATION.	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING ENVELOPE SHALL BE SEALED TO THE AVAILABLE GYPTUM SPACE.

INSULATION and FENESTRATION REQUIREMENTS BY COMPONENT

COMPONENT	INSULATION TYPE	U-FAC TOR	R-VALUE	U-FAC TOR	R-VALUE	U-FAC TOR	R-VALUE	U-FAC TOR	R-VALUE
CEILING	R-49	0.013	77.0	0.013	77.0	0.013	77.0	0.013	77.0
WALLS	R-41	0.024	41.7	0.024	41.7	0.024	41.7	0.024	41.7
FLOOR OVER UNCONDITIONED SPACE	R-41	0.024	41.7	0.024	41.7	0.024	41.7	0.024	41.7

MECHANICAL SYSTEMS

HOT-WATER FURNACE - LIQUID PROPANE 80,000 BTU MIN. GREATER THAN 240 AFUE
 HOT-WATER HEATER - ELECTRIC, GREATER THAN 240 ENERGY FACTOR (EF)

SYSTEM INSULATION

SUPPLY AND RETURN DUCTS IN ATTICS SHALL BE INSULATED TO A MINIMUM OF R-6 WHERE 3" DIAMETER AND GREATER AND R-4 WHERE LESS THAN 3" DIAMETER. SUPPLY AND RETURN DUCTS IN UNFINISHED BARS SHALL BE INSULATED TO A MINIMUM OF R-4 WHERE 3" DIAMETER OR GREATER AND R-3.2 WHERE LESS THAN 3" DIAMETER.

SYSTEM SEALING

DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH EITHER THE INTERNATIONAL MECHANICAL CODE OR MINIMUM OF THE ASH RA.

TESTING

MANUFACTURER POWER DOOR TESTING
 THE STRUCTURE SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE OF NOT EXCEEDING THREE AIR CHANGES PER HOUR. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E779 OR ASTM E911 AND REPORTED AT A PRESSURE OF 0.25 W.S. A WRITTEN REPORT OF THE RESULTS OF THE TEST SHALL BE SEALED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE OWNER.

MANDATORY DUCT TESTING

MANDATORY DUCT TESTING
 TESTING TO DETERMINE AIR LEAKAGE BY EITHER CONDUCTING A PRESSURE DIFFERENTIAL OF 0.25 W.S. A WRITTEN REPORT OF THE RESULTS OF THE TEST SHALL BE SEALED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE OWNER. TESTING SHALL BE CONDUCTED WITHIN THE BUILDING THERMAL ENVELOPE.

ELECTRICAL POWER AND LIGHTING SYSTEMS

NOT LESS THAN 75 PERCENT OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICIENCY LAMPS OR NOT LESS THAN 75 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH-EFFICIENCY LAMPS.

FLUO RES LIGHTING SYSTEMS SHALL NOT HAVE CONTINUOUSLY BURNING FLUO RES LIGHTS.



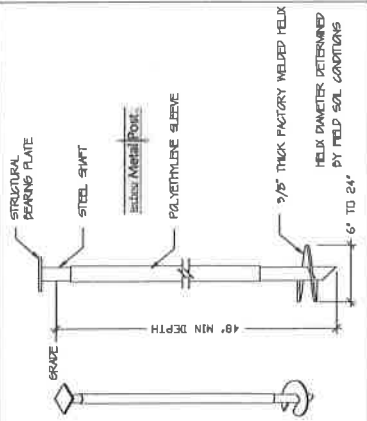
CAOLA ENGINEERING, LLC
 71 Tenney Court
 Westbury, New York 11591
 Tel: 516-336-7870 info@caolaeng.com

REVISION	DATE	DESCRIPTION
000	1/28/17	FINAL CONSTRUCTION PLAN

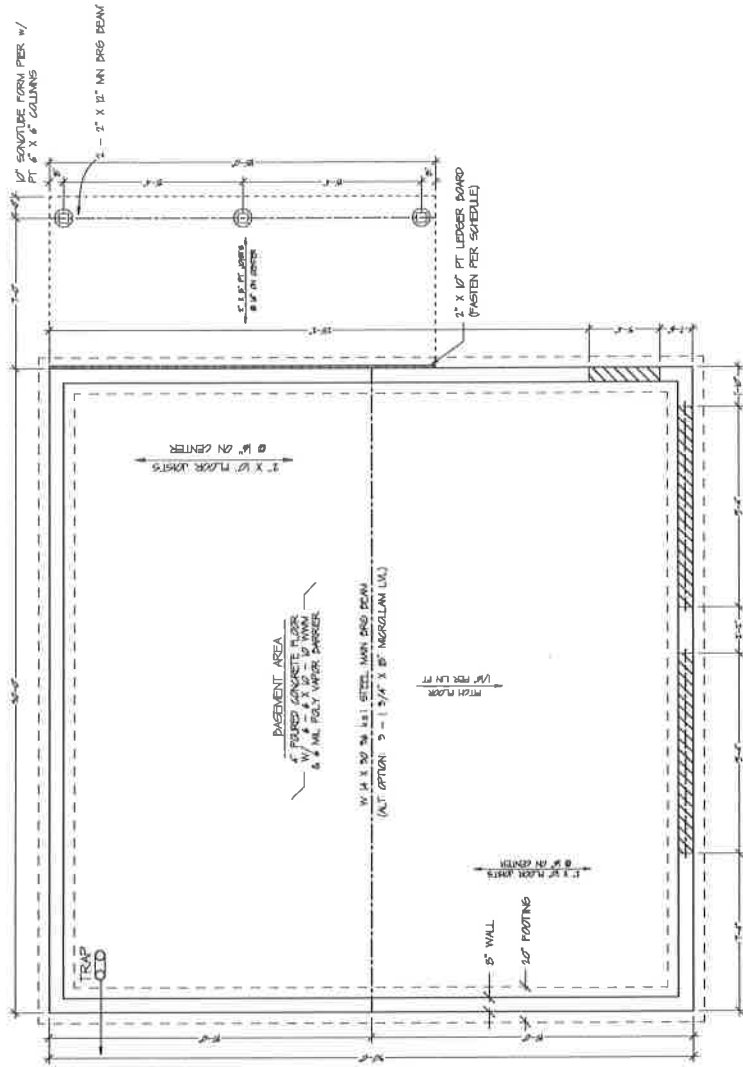
CARRIER RESIDENCE
 NEW CONSTRUCTION PLAN
 9 BLEAKLEY AVENUE
 TOWN OF BRUNSWICK
 RENSSELAER COUNTY

GENERAL PLAN DATE: JANUARY 19, 2017

SCANTLE ALTERNATE:
P1-86 HELICAL PIER



WHOLE WOOD TRAP PROVIDED BY CODE. EACH RUNNING FUTURE SHALL BE SEPARATELY TRAPPED BY A LID-SEAL TRAP. TRAP SHOWN ON PLAN TO RESERVE GENERAL AREA FOR FOUNDATION PENETRATION.



FOUNDATION PLAN
1/4" = 1' - 0"

LEDGER FASTENING SCHEDULE

ATTACH PRESSURE-TREATED LEDGER TO EXISTING ICM BOARD WITH FASTENMASTER LEDGERLAK FASTENERS. SPACE PER DIAGRAM PROVIDED BELOW.



CONTRACTOR TO BE PROVIDED WITH AMERICAN WOOD COUNCIL (AWC) APPROVED FASTENERS. ALL SUBMITTALS FOR SUBMITTALS, CONNECTIONS, PLANNING, ETC. NOT SPECIFICALLY IDENTIFIED HEREIN.

BUILDERS NOTE

THIS FOUNDATION WALL HAS BEEN ENGINEERED TO WITHSTAND LATERAL SOIL PRESSURE APPLIED TO A WALL HEIGHT OF 3'-10". IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH FINAL GRADES AND ENSURE A MINIMUM OF 6" SEPARATION BETWEEN WOOD AND SOIL INTERFACE WHILE MAINTAINING A MINIMUM DEPTH OF 48" FROM BOTTOM-OF-FOOTING TO FINISH GRADE. MAX BACKFILL HEIGHT OF 3'-6"



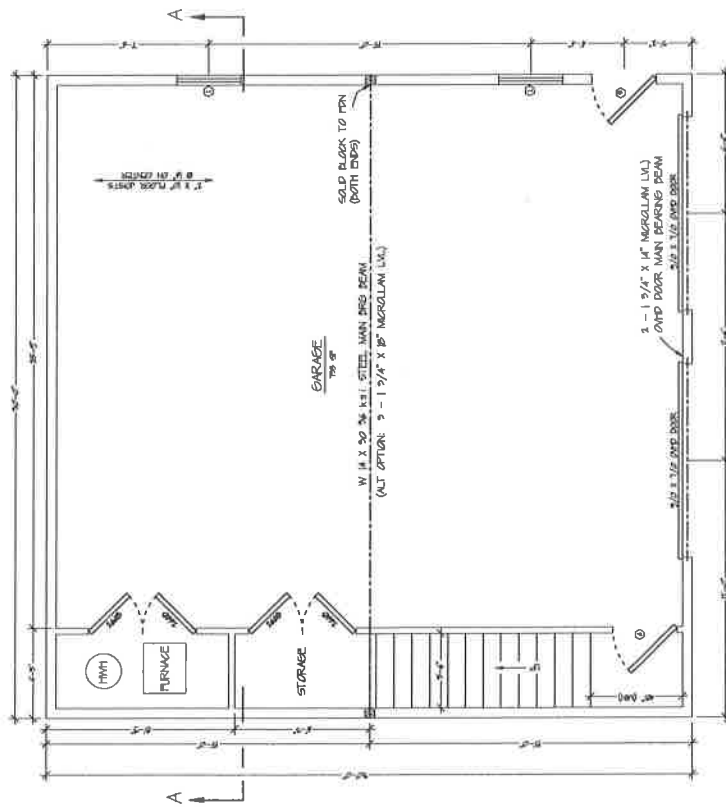
CAOLA ENGINEERING LLC
77 Thruway Court
Wyandham, New York 12108
Tel: 518-839-4444

REVISION	DATE	DESCRIPTION
001	1/24/25	FINAL CONSTRUCTION PLAN

GENERAL PLAN DATE: JANUARY 23, 2025

CARRIER RESIDENCE
NEW CONSTRUCTION PLAN
9 BLEAKLEY AVENUE
TOWN OF BRUNSWICK
RENSSELAER COUNTY

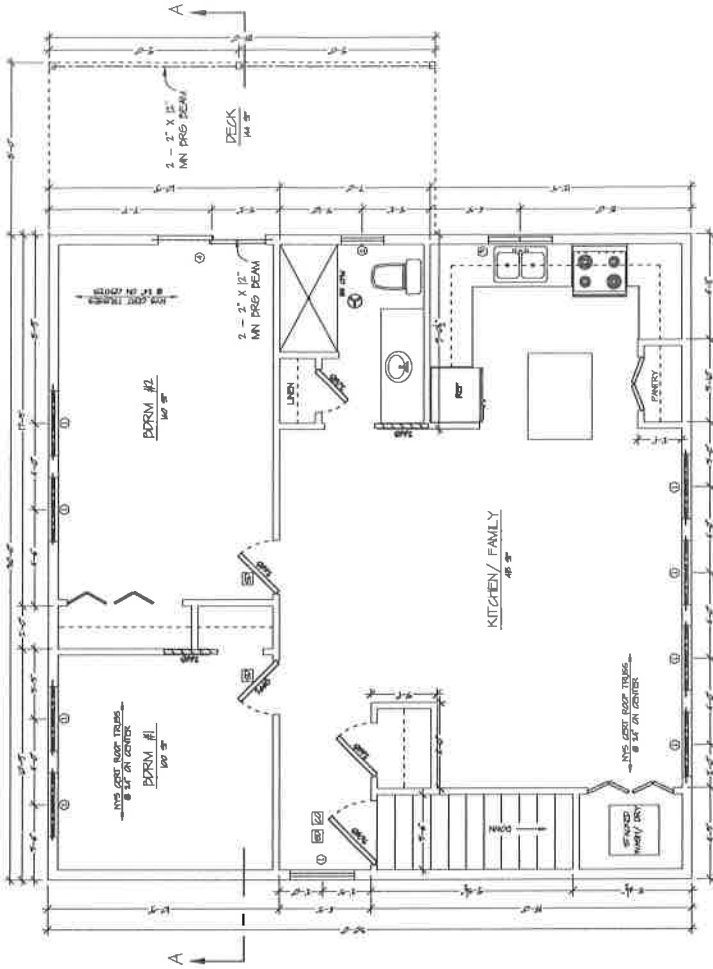
ALL OPENING HEADERS SHALL BE SIZED AS 2" X 2" X 10"
UNLESS OTHERWISE NOTED IN PLAN.
ALL EXTERIOR WALLS SHALL BE FRAMED AS 2" X 6" @ 16" O.C.
ALL INTERIOR WALLS SHALL BE FRAMED AS 2" X 4" @ 16" O.C.



FIRST FLOOR PLAN

1/4" = 1' - 0"

50 A/C POWERED SMOKE & CO DETECTOR W/ BATTERY
PACK-UP. ALL DETECTORS SHALL BE WIRED TOGETHER.
52 ALL UNITS SOUND ALARM SIMULTANEOUSLY.



SECOND FLOOR PLAN

1/4" = 1' - 0"



WINDOW AND DOOR DESIGNATIONS WERE OBTAINED FROM THE ANDERSEN AND THERMA-TRU WINDOW COMPANIES. SUBSTITUTIONS MAY BE MADE PROVIDED THAT THE PROPOSED WINDOW MEETS THE NYS BUILDING CODE REQUIREMENT FOR NATURAL LIGHT, VENTILATION AND EGRESS.

CAOLA ENGINEERING LLP
7 Tennyson Court
Wyandham, New York 13158
Tel: 315.836.7300
www.caola-engineering.com

REVISION	DATE	DESCRIPTION
001	10/27/22	FINAL CONSTRUCTION PLAN

CARRIER RESIDENCE
NEW CONSTRUCTION PLAN
9 BLEAKLEY AVENUE
TOWN OF DRUMWICK
RENEGLAER COUNTY

FIRST FLOOR PLAN
SECOND FLOOR PLAN
WINDOW SCHEDULE
SHEET 5 OF 7

WINDOW / EXTERIOR DOOR SCHEDULE

WINDOW INFO	REMARKS	MODEL	OPERATION	GLASS TYPE	GLASS AREA (SQ. FT.)	GLASS PERCENTAGE	GLASS U-VALUE (BTU/HR/FT ² /°F)	GLASS SHADING COEFFICIENT (SC)	COMMENTS	
1	ANDERSEN	400	TRIMARK	DL 1000	11.70	25.2%	0.92	0.45	57E	LOWE GLASS W/SHIELD FILLED
2	ANDERSEN	400	TRIMARK	DL 1000	11.70	25.2%	0.92	0.45	57E	LOWE GLASS W/SHIELD FILLED
3	ANDERSEN	400	TRIMARK	DL 1000	11.70	25.2%	0.92	0.45	57E	LOWE GLASS W/SHIELD FILLED
4	ANDERSEN	400	TRIMARK	DL 1000	11.70	25.2%	0.92	0.45	57E	LOWE GLASS W/SHIELD FILLED
5	THERMA-TRU	5000	SLIGHTLY OPERABLE	N1 5000	79.14	79.14%	0.70	0.56	N/A	5'-0" X 4'-0"
6	THERMA-TRU	5000	SLIGHTLY OPERABLE	N1 5000	79.14	79.14%	0.70	0.56	N/A	5'-0" X 4'-0"



CURRIER RESIDENCE
 NEW CONSTRUCTION PLAN
 9 BLEAKLEY AVENUE
 TOWN OF BRUNSWICK
 RENSSELAER COUNTY

CROSS SECTION VIEW
 LIGHT & VENT PLAN
 SHEET 6 OF 7

REVISION	DATE	DESCRIPTION
001	10/25/10	FINAL CONSTRUCTION PLAN

CAOLA ENGINEERING, LLC
 7 Tanager Court
 Westfield, New York 12188
 Tel: 518-852-2222 Fax: 518-852-2223
 www.caola-engineering.com

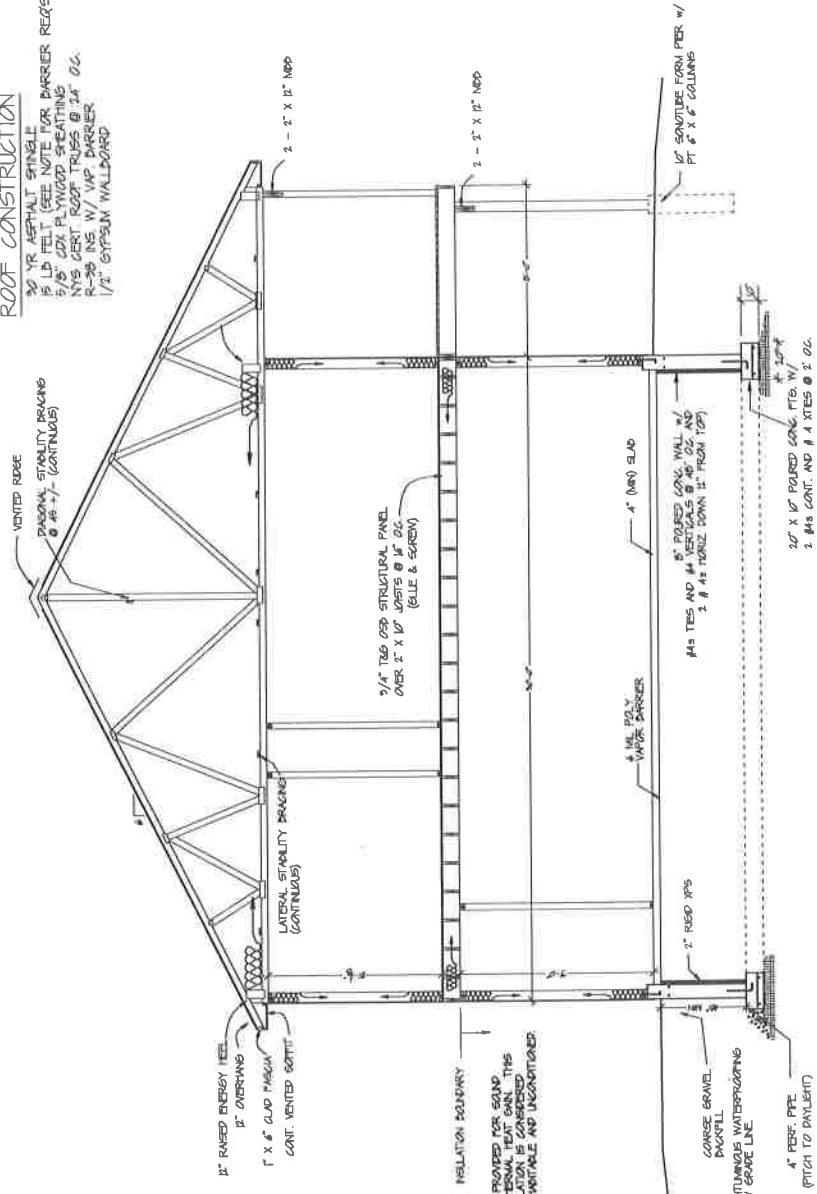
ROOM	AREA (SQ. FT.)	NATURAL LIGHT (SQ. FT.) REQUIRED	VENTILATION (CFM) REQUIRED	NATURAL LIGHT (SQ. FT.) ACTUAL	VENTILATION (CFM) ACTUAL	MEETS LIGHT/VENT. CODE REQUIREMENTS	MEETS RESSES. CODE REQUIREMENTS
KITCHEN/	48	92.1	92.2	166	252	YES	YES
DORM #1	100	209	209	144	144	YES	YES
DORM #2	140	229	229	144	144	YES	YES

LIGHT / VENTILATION SCHEDULE

ROOF:
 AN ICE BARRIER SHALL BE INSTALLED UNDER ASPHALT SHINGLES. THE ICE BARRIER SHALL CONSIST OF NOT FEWER THAN TWO LAYERS OF UNDERLAYMENT. SHINGLES SHALL BE INSTALLED OVER A 1/2" MINIMUM GYPSEUM WALLBOARD. THE LOWEST EDGE OF ALL ROOF SERVICES TO A POINT NOT LESS THAN 24" ABOVE THE EXTERIOR WALL LINE OF THE BUILDING.

ROOF CONSTRUCTION

- 30 YR ASPHALT SHINGLE
- 1/8" LB FELT (SEE NOTE FOR BARRIER REQ(S))
- 3/8" GYP PLASTER BOARD
- 1/2" GYP WALLBOARD
- 1/2" GYP INS W/ VAP BARRIER
- 1/2" GYP INS WALLBOARD



WALL CONSTRUCTION

- VENT SPONGE
- WATER RESISTANT BARRIER
- 2\"/>

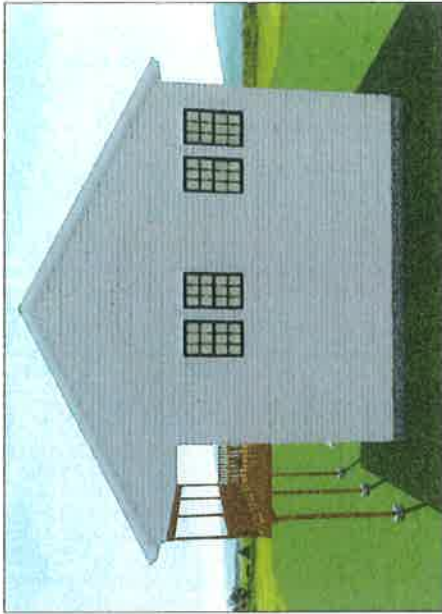
INSULATION SUGGESTED BELOW THE PLUMB IS PROVIDED FOR SOUND ATTENUATION AND MINIMUM INSULATION. THIS PORTION OF STRUCTURE IS UNHABITABLE AND UNCONDITIONED.

SECTION A - A
 1/4" = 1' - 0"

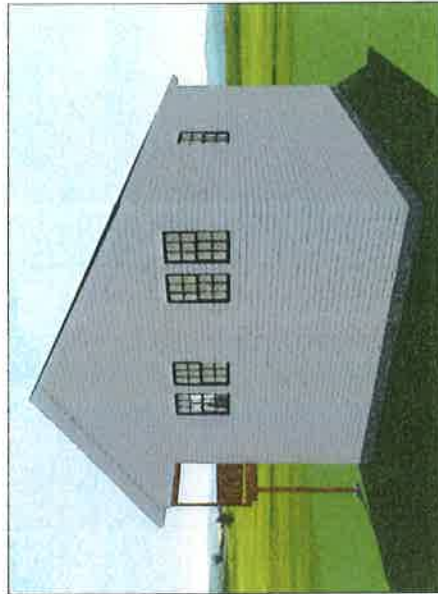
BOTTOM OF ALL FOOTINGS ARE TO BE MAINTAINED A MINIMUM OF 48" BELOW GRADE. ALL CONCRETE IS TO BE PLACED OVER UNDISTURBED EARTH. MECHANICALLY COMPACT EXCAVATIONS AS NECESSARY TO AVOID SETTLING.



FRONT-RIGHT ELEVATION



REAR ELEVATION



REAR-LEFT ELEVATION



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REVISION	DATE	DESCRIPTION
000	11/25/20	FINAL CONSTRUCTION PLANS

ISSUED FOR PERMIT DATE: JANUARY 28, 2020

CARRIER RESIDENCE
 NEW CONSTRUCTION PLAN
 9 BLEAKLEY AVENUE
 TOWN OF PRINCEWICK
 RENSSELAER COUNTY