BUILDING CODE & GENERAL NOTES FOR PROJECT:

1. ---
2. THE ARCHITECT IS NOT BEING HIRED FOR PERIODIC FIELD INSPECTIONS OF THE CONSTRUCTION. THE ARCHITECT IS TO BE INFORMED OF ANY UNKNOWN CONDITIONS THAT HAVE BEEN DISCOVERED AND THAT MAY CONSTITUTE DISCREPANCIES BETWEEN THE PLANS & SPECIFICATIONS WITH THE EXISTING CONDITIONS.
3. CONTRACTOR SHALL PERFORM ALL WORK REQUIRED FOR THE COMPLETION OF THE PROJECT, WHETHER OR NOT ALL ASPECTS ARE INDICATED ON THE PLANS.
4. ALL WALLS AND FLOORS ARE TO BE ADEQUATELY BRACED & SHORED UNTIL ALL PERMANENT FRAMING & SUPPORTS ARE IN PLACE.
5. THE CONTRACTOR SHALL NOT CUT ANY STRUCTURAL MEMBERS WITHOUT THE ARCHITECTS CONSENT AND AS APPROVED BY THE BUILDING CODE.
6. TESTING LABORATORY SERVICES MAY BE REQUESTED BY THE ARCHITECT AND MAY INCLUDE, BUT NOT LIMITED TO: SOIL AND MATERIAL COMPACTION, AND MATERIALS TESTING.
7. ALL WORK MUST COMPLY WITH THE INTERNATIONAL RESIDENTIAL CODE OF 2015 AND NYS UNIFORM SUPPLEMENT CODE OF 2016.
8. ALL WORK MUST COMPLY WITH THE INTERNATIONAL ENERGY CONSERVATION CODE OF 2015 AND THE SUPPLEMENT TO THE NYS ENERGY CONSERVATION CONSTRUCTION CODE OF 2016.
9. ALL ELECTRICAL WORK MUST COMPLY WITH THE 2015 INTERNATIONAL ELECTRICAL CODE AND INTERNATIONAL RESIDENTIAL CODE, AND ALL APPLICABLE CODES AND REGULATIONS. WORK MUST BE INSPECTED AND APPROVED BY A LICENSED UNDERWRITER. INSPECTION STICKERS MUST BE MOUNTED TO THE ELECTRICAL PANEL BOX.
10. ALL PLUMBING AND MECHANICAL WORK MUST COMPLY WITH THE 2015 INTERNATIONAL RESIDENTIAL CODE, 2015 INTERNATIONAL MECHANICAL CODE AND ALL APPLICABLE CODES AND REGULATIONS.

INTERNATIONAL ENERGY CONSERVATION CODE - 2015

NOTE: NYS 2016 SUPPLEMENT HAS NO ADDITIONAL ENERGY REQUIREMENTS FOR SINGLE FAMILY HOMES.

REQUIRED	PROVIDED
GLAZING U FACTOR - 0.32	GLAZING U FACTOR - 0.32
CEILING R VALUE - R-49	CEILING R VALUE - R-49
EXTERIOR WALL R VALUE - R-20	EXT. WALL R VALUE - R-21
FLOOR R VALUE - R-30	FLOOR R VALUE - R-30
BASEMENT WALL R VALUE - R-19	BASEMENT WALL R VALUE - R-19

*** CHAPTER 4 OF THE 2015 ENERGY CODE OF NYS - TABLE 402.1.2 - PRESCRIPTIVE COMPLIANCE

*** CHAPTER 4 OF THE 2015 ENERGY CODE OF NYS - TABLE 402.1.2 - RESCHECK METHOD BY COMPONENT DID NOT WORK

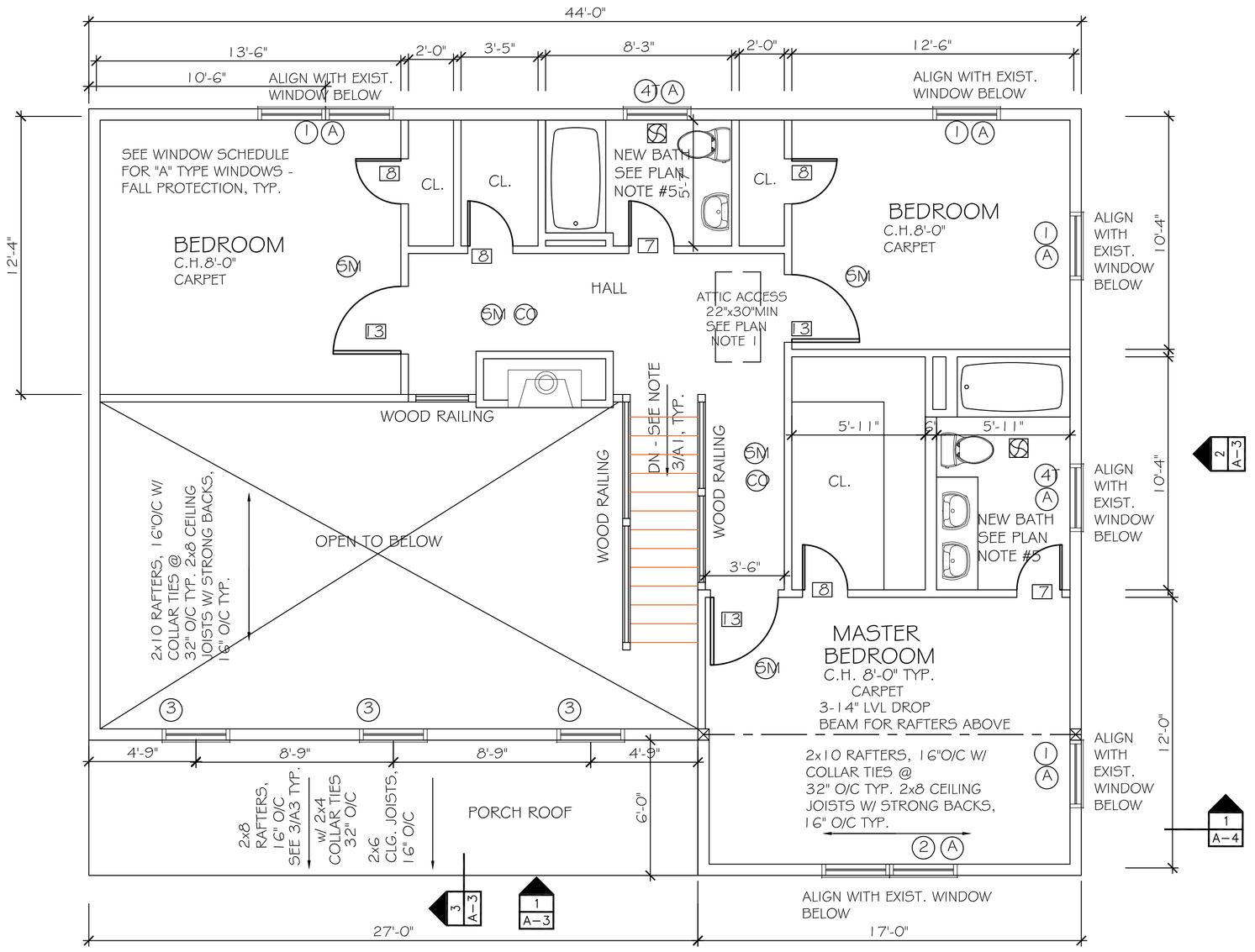
INSULATION MUST MEET DOOR BLOWER TEXT AND AIR LEAKAGE TEST PER THE CODE REQUIREMENTS FOR EACH.
SEAL AND CAULK ALL JOINTS AND PENETRATIONS.
DUCTWORK IN UNCONDITIONED SPACE MUST BE SEALED AND TESTED FOR LEAKAGE PER THE CODE.

ENERGY EFFICIENCY NOTES -

1. N1102.4 (R402.40) AIR LEAKAGE FOR BUILDING THERMAL MASS - TESTING WILL INCLUDE A DOOR BLOWER TEST AS PER CODE - 3ach50 VALUE TO BE MET.
2. N1102.4.1.2 FOR AIR LEAKAGE RATES.
3. SEAL AND CAULK ALL JOINTS AND PENETRATIONS FOR AIR LEAKAGE PREVENTION.
4. N1103 (R403) SYSTEMS TESTING
5. N1103.3.2 (R403.3.2) - SEALING OF DUCTWORK.
6. N1103.3.3 AND N1103.3.4 (R403.3.3) DUCT TESTING LEAKAGE REQUIREMENTS - 4% VALUE TO BE MET.

ENERGY NOTES:

1. A MINIMUM OF 75% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH EFFICIENCY LAMPS PER SECTION 1103.9 OF THE 2015 RESIDENTIAL CODE.
2. RECESSED LUMINARIES INSTALLED IN BUILDING THERMAL ENVELOPE SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING TO LIMIT AIR LEAKAGE BETWEENED CONDITIONED AND UNCONDITIONED SPACES PER SECTION 1102.4.5 OF THE 2015 RESIDENTIAL CODE.
3. CONTRACTOR SHALL PROVIDE PROGRAMMABLE THERMOSTATS TO CONTROL THE HVAC SYSTEMS PER 1103.12 OF THE 2015 RESIDENTIAL CODE.
4. ALL DUCTS, AIR HANDLERS, FILTER BOXES AND BUILDING CAVITIES USED AS DUCTS SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH M1601.3 OF THE 2015 RESIDENTIAL CODE. BUILDING FRAMING CAVITIES SHALL NOT BE USED AS SUPPLY DUCTS.
5. ALL MECHANICAL SYSTEM PIPING CAPABLE OF CARRYING FLUIDS ABOVE 105 DEGREES F OR BELOW 55 °F SHALL BE INSULATED TO A MINIMUM OF R-3.
6. ATTIC ACCESS SHALL BE INSULATED WITH THE SAME R-VALUE AS THE ATTIC, WEATHERSTRIPPED AND LATCHED AS PER SECTION 1102.2.3 OF THE
2015 RESIDENTIAL BUILDING CODE.
7. AIR TIGHTNESS AND INSULATION SHALL BE VERIFIED BY VISUAL INSPECTION PER 1102.4.3.2 OF THE 2010 RESIDENTIAL BUILDING CODE.
8. WINDOW AND DOOR JAMBS SHALL BE FOAM SEALED TO PREVENT AIR INFILTRATION.
9. ALL GAS PIPING TO BE GROUNDED TO A BUILDING GROUNDING ELECTRODE.
10. ALL ELECTRICAL OUTLETS MUST BE TAMPER PROOF.
11. ELECTRIC PANEL BREAKERS MUST BE ARC FAULT PROTECTED.

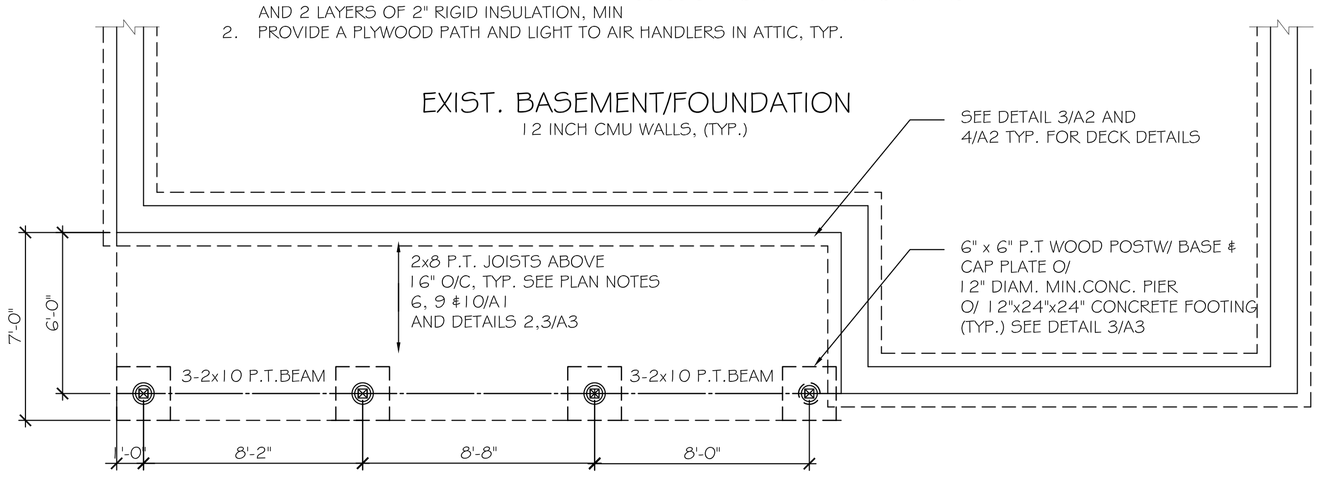


1 / A2 SECOND FLOOR PLAN

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

PROJECT DESCRIPTION
1. ALL CONSTRUCTION FOR THE SECOND FLOOR IS NEW.
2. SEE BEARING NOTE THIS PAGE, TYP.

PLAN NOTES
1. MAINTAIN INSULATION BARRIER OVER ATTIC ACCESS STAIRS WITH WEATHERSTRIPPING AND 2 LAYERS OF 2" RIGID INSULATION, MIN
2. PROVIDE A PLYWOOD PATH AND LIGHT TO AIR HANDLERS IN ATTIC, TYP.



2 / A2 FRONT PORCH DECK FOUNDATION PLAN

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

NOTE 1 IF EARTH IS DISTURBED AND/OR THE OVER EXCAVATION AREAS WITHIN THE GARAGE, INSTALL STRUCTURAL FILL AND TAMP IN 8 INCH LIFTS TO 95% COMPACTION, TYP.

FOUNDATION GENERAL NOTES:

1. CONCRETE FOUNDATION WALLS, PIERS, AND FOOTINGS SHALL BE 3,000 PSI, 28 DAY COMPRESSIVE STRENGTH MIN.
2. WINTER CONCRETE DESIGN MIX SHALL HAVE 4,000 PSI 28 DAY COMPRESSIVE STRENGTH.
3. SOIL CLASSIFICATION IS ASSUMED TO BE GRADE 1, GM AND SM TYPE - 2000 PSF. OWNER TO VERIFY.
4. FOUNDATION CONFORMS TO TABLE R404.1.1(1-4) MAX. UNBALANCED BACKFILL HEIGHT OF 7 FEET.
5. EXTERIOR CONCRETE SHALL HAVE AN EXTERIOR APPLICATION DESIGN MIX WITH THE APPROPRIATE AIR CONTENT AND SLUMP.
6. WRAP ALL FOUNDATION WALL OPENINGS WITH 2-#4s ALL AROUND AND EXTEND BEYOND OPENING 2'-0" ALL AROUND MIN.
7. PROVIDE ADDITIONAL 4-#4 VERTICAL FULL HEIGHT AND TIED TOGETHER AT EACH BEAM POCKET.
8. POCKETS FOR BEAMS SHALL HAVE ½" CLEARANCE ALL AROUND. FLASH AREAS OF BEAM IN POCKET AND SHIM BEAM AS NEEDED WITH METAL.
9. "STEP FOOTINGS" SHALL CONFORM WITH DETAILS.
10. ALL LALLY COLUMNS SHALL BE INSTALLED PER CODE WITH TOP AND BOTTOM PLATES AND LVL TO CONNECTORS

WINDOW & PATIO DOOR SCHEDULE

NO.	UNIT WIDTH	UNIT HEIGHT	MATERIAL	CLEAR OPENING SF	VISIBLE GLASS SF	REMARKS
1	3'-0"	4'-6"	VINYL	6.75	12.79	EGRESS DOUBLE HUNG WINDOW
2	(2) 3'-0"	4'-6"	VINYL	13.5	25.58	DOUBLE WINDOW FACTORY MULLED, EGRESS WINDOW
3	3'-0"	3'-0"	VINYL	5.33	10.16	CASEMENT
3T	3'-0"	3'-0"	VINYL	5.33	10.16	TEMPERED GLASS CASEMENT
4	2'-0"	3'-2"	VINYL	5.06	5.87	DOUBLE HUNG WINDOW
5	9'-0"	4'-6"	VINYL			2-3046 OPERABLE WITH 3046 PICTURE WINDOW
6	5'-0"	4'-0"	VINYL	FIXED	17.6	FIXED PICTURE WINDOW
7	6'-0"	6'-8"	VINYL	PATIO DOORS	17.6	SLIDING UNIT, SERIES 5500 THERMA-TRU
9	(3)2'-0"	3'-0"	VINYL	5.33	10.16	CASEMENT
10	3'-0"	4'-2"	VINYL	6.00	12.00	DOUBLE HUNG

WINDOW NOTES:

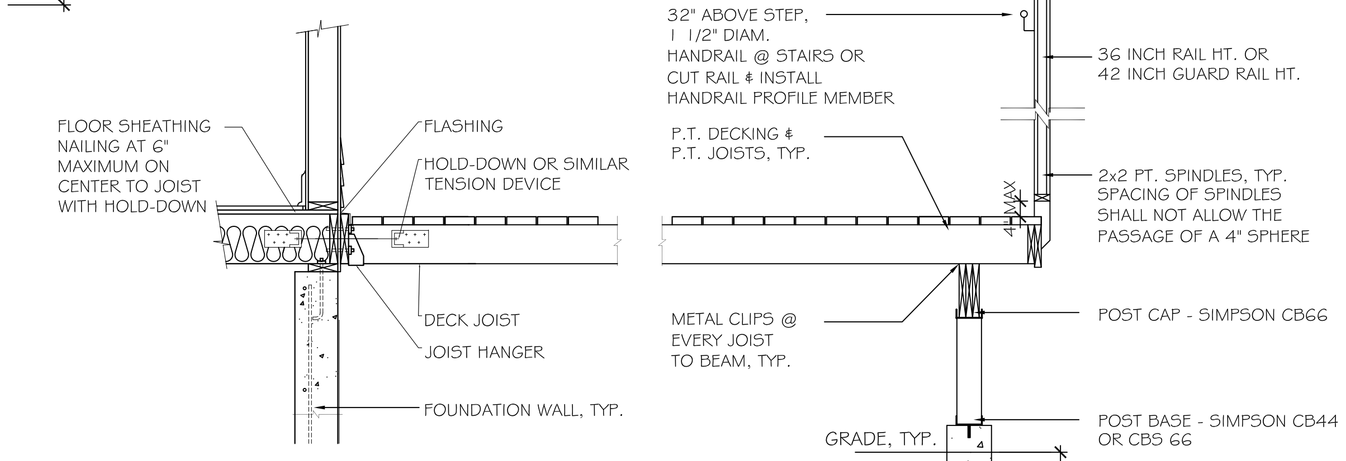
1. BASIS OF DESIGN FOR WINDOWS ARE SILVERLINE BY ANDERSEN 3000 SERIES
2. CONFIRM ROUGH OPENING DIMENSIONS WITH MANUFACTURER. DIMENSIONS PROVIDE ARE UNIT DIMENSIONS.
3. SEE ELEVATIONS FOR WINDOW CONFIGURATION AND HEAD HEIGHTS.
4. WINDOW SILLS SHALL BE A MINIMUM OF 24" ABOVE FINISHED FLOOR. SEE NOTE #6 BELOW.

5. WINDOWS ARE SILVERLINE BRAND BY ANDERSEN WINDOWS, 3000 SERIES, DOUBLE HUNG, LOW "E", INSULATED, DOUBLE GLAZED, TILT WASH, VINYL FRAME WITH "GRILLE" PANES - GLAZING U FACTOR: 0.32 SIZES NOTED BELOW ARE NOMINAL.

6. WINDOWS ON THE FLOOR PLANS OR ELEVATIONS WITH AN "A" DESIGNATION OR HAVE A SILL HEIGHT LESS THAN 24 INCHES A.F.F. AND GREATER THAN 72 INCHES ABOVE THE FINISHED GRADE OR OTHER SURFACE BELOW ON THE EXTERIOR SHALL HAVE FALL PROTECTION PER SECTION R312, TYP. PROTECTION CAN INCLUDE:
   1. OPERABLE WINDOWS SHALL NOT ALLOW A 4 INCH SPHERE TO PASS THROUGH
   2. OPERABLE WINDOWS SHALL HAVE FALL PROTECTION COMPLYING WITH ASTM F2090
   3. OPERABLE WINDOWS SHALL HAVE CONTROL DEVICES THAT COMPLY WITH ASTM F2090 AND NOT REDUCE THE CLEAR OPENING WIDTH SPECIFIED.

NOTES:
1. VERIFY NEW WINDOWS COMPLY WITH WINDOW NOTES ON PLAN A2 FOR FALL PROTECTION - SILL HEIGHT AND GRADE OR OTHER EXTERIOR SURFACE HEIGHTS, TYP.

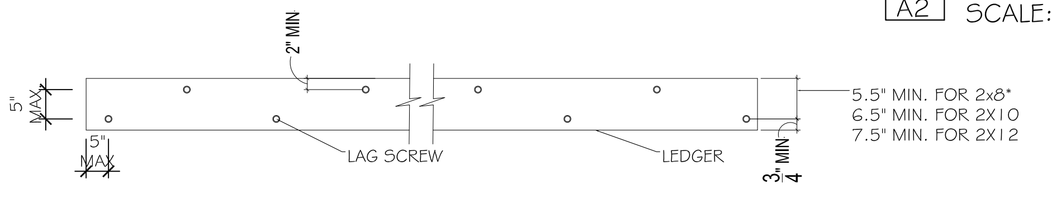
BEARING NOTE:
1. VERIFY SECOND FLOOR POSTS AND HEADERS CONTINUE TO BEARING THROUGH FIRST FLOOR FRAMING, TYP.



DECK NOTES (SEE PLAN A-1 ALSO)
1. FASTEN 2x10 LEDGER BOARD TO BOX BEAM W/ ⅜" x 4" GALVANIZED LAG BOLTS @ 16" O/C.
2. INSTALL FLASHING ALONG THE LEDGER AS PER CODE AND AT THE THRESHOLD OF ALL EXTERIOR DOORS AND DECKS.
3. DECK STAIR STRINGERS TO BE SOLID 2x12s.
4. DECK STAIRS SHALL HAVE A "HANDRAIL PROFILE" MEMBER AT 32" TO 36", DECK TO HAVE A GUARD RAIL PROFILE.
5. INSTALL GALVANIZED JOIST HANGERS @ EVERY JOIST ALONG THE LEDGER, TYP. FOR ALL EXTERIOR DECKS.
6. INSTALL GALVANIZED CLIPS AT EVERY JOIST ALONG THE SUPPORTING BEAM.
7. INSTALL TOP CAP PLATES AND BOTTOM BASE PLATES AT EVERY SUPPORTING POST/PIER CONNECTION.
8. 2" SPINDLES SHALL NE SPACED A MAX. OF 4 INCHES, TYP.

3 / A2 DECK DETAIL

SCALE: NTS



*DISTANCES SHALL BE PERMITTED TO BE REDUCED TO 4.5" IF LAG SCREWS ARE USED

4 / A2 FASTENING PATTERN FOR LEDGER BOARDS

SCALE: NTS FIGURE R602.6(2)

No.	DATE	REVISION
1	4-16-18	OWNER REVIEW
2	5-01-18	OWNER REVIEW
	5-11-18	BD SUBMISSION
	6-6-18	BD SUBMISSION
		FIRST FLOOR CONST., NEW WINDOWS, FOAM INSULATION

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NOTE
FOR AUTHENTICITY SEAL MUST BE ORIGINAL AND SIGNATURE MUST BE IN COLOR - BOTH CANNOT BE COPIED

SHEET TITLE: SECOND-FLOOR-PLAN-DETAILS
SECOND-FLOOR-ADDITION
203-RIDGE-ROAD
MARLBORO,-NY-12542

OWNERS: FRANCIS-&-DONNA-DWYER
203-RIDGE-ROAD
MARLBORO,-NY-12542

SCALE: AS_NOTED
DRFM:
CAD #
JOB # JOB
PLOT DATE: 4-16-18

SHEET No.
A-2
PAGE-2-OF-5