









NEW GARAGE FOR: 808 WEST WASHINGTON STREET

Charles Bultman
Architect

cbulletman • flash.net

734 223 1358
220 south huron street • ypsilanti, mi 48197

2' ARBORVITAE
SHRUBS

GENERAL NOTES

THE CONTRACTOR AND SUB-CONTRACTORS ARE TO PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND THE FINAL FINISHED PROJECT AS OUTLINED AND REQUIRED BY THE PLANS, SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS, AND SHALL BE SUPPLIED BY THE CONTRACTOR AS PER GOVERNING AND STATE AND LOCAL CODES AND ANY OTHER REGULATIONS AND CODES HAVING LOCAL JURISDICTION. THE WORK SHALL INCLUDE ALL SITE DEVELOPMENT AND ANY AND ALL WORK REQUIRED BY THE INSPECTION AGENCIES HAVING JURISDICTION.

THE CONTRACTORS ARE TO VERIFY ALL FIELD CONDITIONS BEFORE PROCEEDING WITH WORK. EACH SUB-CONTRACTOR IS TO FIELD VERIFY THE CONDITION OF THE SITE PRIOR TO COMMENCING THAT PORTION OF THE WORK AND IS TO BRING ANY DISCREPANCIES TO THE ATTENTION OF THE GENERAL CONTRACTOR AND THE ARCHITECT BEFORE PROCEEDING. SUB-CONTRACTORS PROCEEDING WITH THEIR PORTION OF THE WORK WITHOUT REPORTING ANY DEFECTS IN PRIOR WORK WILL BE JUDGED TO HAVE ACCEPTED THE WORKING CONDITIONS AND AGREE THAT THEIR NEW WORK CAN ACCEPTABLY BE CONSTRUCTED ON THE WORK THAT HAS PRECEDED THEM.

DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ARCHITECT AND THE OWNER ANY AND ALL EXISTING CONDITIONS THAT APPEARS TO BE SUBSTANDARD. ALL WORK AFFECTED BY SUCH CONDITIONS SHALL STOP UNTIL ALL DISCREPANCIES ARE RESOLVED. SUCH CONDITIONS SHALL NOT BE COVERED OR CONCEALED BY NEW CONSTRUCTION WITHOUT APPROVAL OF THE ARCHITECT.

THE CONTRACTOR, BY COMMENCING THE WORK, ACCEPTS THE CONDITIONS OF THE SITE AND THE COMPLETENESS OF THE CONTRACT DOCUMENTS. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE ACTUAL CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BEGINNING THE WORK. NO EXTRAS SHALL BE ALLOWED FOR DISCREPANCIES AFTER THE WORK HAS BEGUN.

ALL WORK IS TO BE COORDINATED WITH ALL DRAWINGS AND THE DESIGN-BUILD REQUIREMENTS FOR MECHANICAL, ELECTRICAL AND PLUMBING.

ANY MATERIALS AND / OR LABOR, NEITHER SHOWN ON THE DRAWINGS NOR SPECIFIED, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK OR TO COMPLY WITH LOCAL CODES SHALL BE SUPPLIED WITHOUT ADDITIONAL COST TO THE OWNER OR THE ARCHITECT.

THE CONTRACTOR IS RESPONSIBLE TO SECURE ANY AND ALL PERMITS, FEES, LABOR, EQUIPMENT, ETC. REQUIRED TO PROVIDE A COMPLETE PROJECT.

THE CONTRACTOR IS REQUIRED TO PROVIDE THE NECESSARY STEPS TO FULLY PROTECT THE PUBLIC FROM INJURY AS WELL AS ANY DAMAGE TO ADJACENT PROPERTIES DURING CONSTRUCTION AS REQUIRED BY LOCAL CODES. THE CONTRACTOR WILL ALSO PROVIDE FOR THE PROTECTION OF WORK TO DATE, ENSURING THAT NEW TRADES DO NOT DAMAGE FINISHED WORK BY OTHER TRADES.

THE OWNER SHALL OBTAIN 'ALL RISK' INSURANCE FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL OBTAIN THE CUSTOMARY STATUTORY INSURANCES, COMPREHENSIVE GENERAL LIABILITY, WORKMAN'S COMPENSATION, ETC. THE ARCHITECT AND THE OWNER SHALL BE NAMED AS AN INSURED PARTY TO THE 'ALL RISK' POLICY.

DIMENSIONS SHOWN OUTSIDE OF BUILDING ARE FROM FACE OF FINISH TO ROUGH OPENINGS, UNLESS NOTED OTHERWISE.

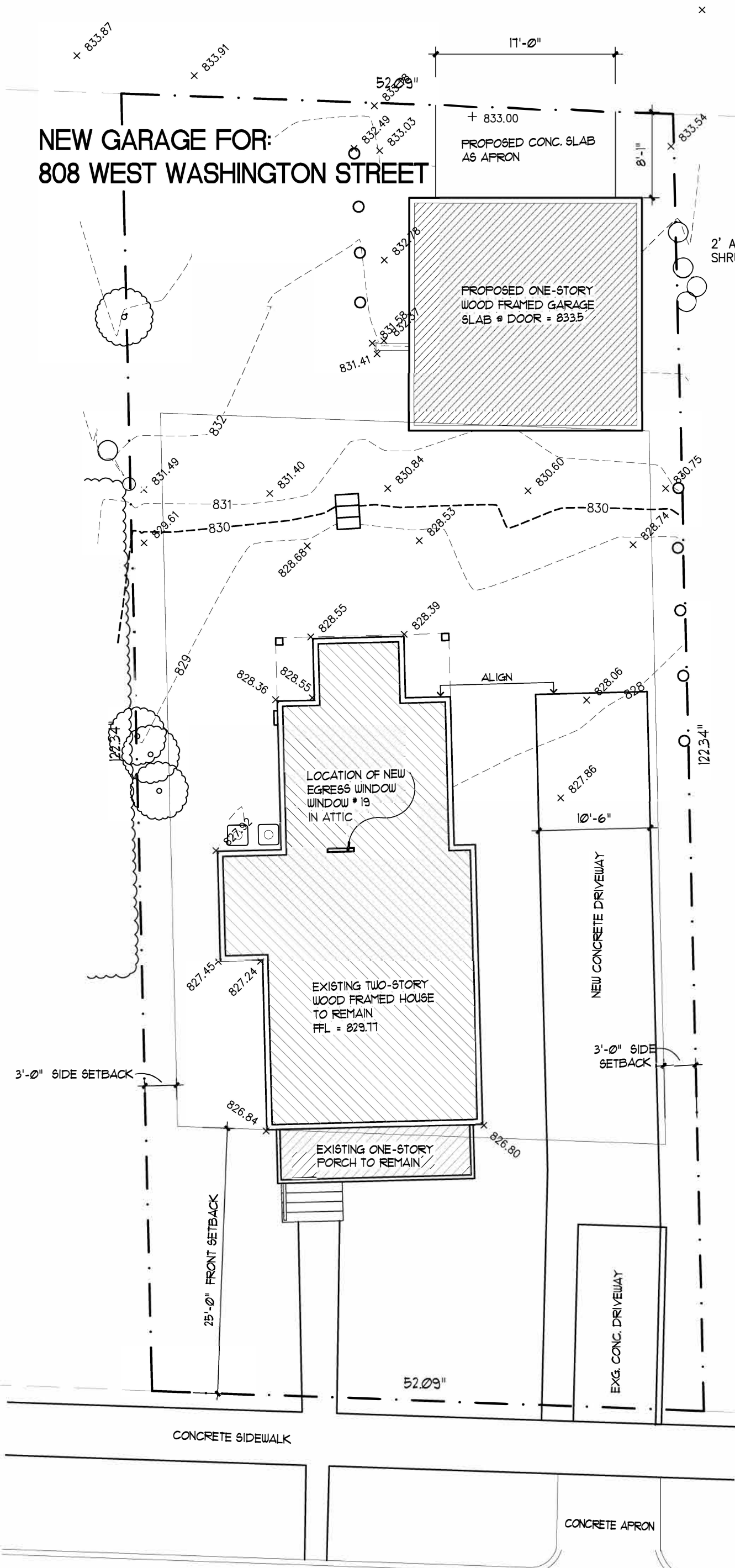
DIMENSIONS SHOWN INSIDE OF BUILDING ARE FROM FACE OF FINISH TO FACE OF FINISH, UNLESS NOTED OTHERWISE.

DRAWING INDEX

- 1 COVER SHEET, SITE PLAN & GENERAL NOTES
- 2 FOUNDATION PLAN and BUILDING SECTION
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- 6 ATTIC PLAN FOR NEW WINDOW
- 7 REAR ELEVATION FOR NEW WINDOW

DATE 4 MARCH 2024

SCALE 3/32" = 1'-0"



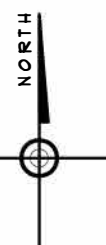
DESCRIPTION:
E 38.28 FT TO S 122.34 FT LOT 59 & W 13.86 FT OF S 122.34 FT
LOT 60 JEWETT'S ADDITION FT LOT 60 JEWETT'S ADDITION

DESIGN CRITERIA
BUILDING CODE - 2015 INTERNATIONAL
RESIDENTIAL CODE & MICHIGN
REHABILITATION SUBCODE
OCCUPANCY - RESIDENTIAL GROUP R-3
CONSTRUCTION TYPE - TYPE 5B
FIRE PROTECTION - NO SPRINKLER

BASEMENT PLAN - DEMOLITION

808 WEST WASHINGTON STREET
ANN ARBOR, MICHIGAN

W. WASHINGTON ST. - (66' WIDE, PUBLIC)



STRUCTURAL NOTES - GENERAL

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION TO ACCOUNT FOR ALL FORCES, INCLUDING BUT NOT LIMITED TO FORCES FROM GRAVITY, EARTH, WIND, AND UNBALANCED FORCES DUE TO CONSTRUCTION SEQUENCE.

THE STRUCTURAL INTEGRITY OF THE BUILDING SHOWN ON THESE PLANS IS DEPENDENT UPON COMPLETION ACCORDING TO PLANS AND SPECIFICATIONS. STRUCTURAL MEMBERS ARE NOT SELF-BRACING AND SHALL BE SHORED AND/OR BRACED BY THE CONTRACTOR AS NECESSARY UNTIL STABILIZED BY VIRTUE OF COMPLETED CONNECTIONS.

GENERAL REQUIREMENTS

FOOTINGS:
3000 PSI POURED CONCRETE 20" WIDE x 10" DEEP
w/ 2 - #4 REBAR CONT. THROUGH LENGTH OF FOOTING.

STEPPED FOOTINGS:
3000 PSI POURED CONCRETE 20" WIDE x 10" DEEP
w/ 2 - #4 REBAR CONTINUOUS THROUGH STEPPED FOOTING. STEP FOOTING 24" (MAX) VERTICALLY & 2x VERTICAL (MIN) HORIZONTALLY.

PADS FOR STEEL PIPE COLUMNS (INTERIOR):
3000 PSI POURED CONCRETE 2'-6" x 2'-6" x 12" DEEP w/ #4 REBAR @ 6" o. c. BOTH WAYS.

PIER FOOTINGS (EXTERIOR):
3000 PSI POURED CONCRETE 2'-0" x 2'-0" x 12" DEEP w/ #4 REBAR @ 6" o. c. BOTH WAY w/ 10" ϕ CONCRETE PIERS w/ 4 - #4 REBAR VERT.

FOUNDATION WALLS:
3000 PSI POURED CONCRETE 10'-0" HIGH x 10" THICK w/ 4" BRICK LEDGE AS REQ'D w/ 1/2" ANCHOR BOLTS @ 32" o. c. (MAX) & WITHIN 12" OF ALL CORNERS #4 REBAR @ 16" o. c. - HORIZ. (MAX) @ INSIDE FACE #4 REBAR @ 16" o. c. - VERT. (MAX) @ INSIDE FACE #4 FTG DOWELS @ 16" o. c. (MAX).

SLABS:
3000 PSI POURED CONCRETE
4" MINIMUM THICKNESS w/ 6 x 6 - W1.4 x W1.4 WELDED WIRE FABRIC ON 6 MIL VAPOR BARRIER ON 4" (MIN) GRAVEL BASE.

SOILS & BACK FILL:
VERIFY SOIL BEARING OF 3000 PSF (MIN) ON UNDISTURBED SOIL FOR ALL FOOTINGS & SLABS OR PROVIDE ENGINEERED FILL ON UNDISTURBED SOIL.
COMPACT GRAVEL & SAND BACK FILL IN 12" LIFTS (MAX). PROVIDE CRUSHED STONE @ FOOTING DRAINS.
ALL BACK FILL ADJACENT TO WALL IS TO BE FREE DRAINING GRANULAR MATERIAL. WALLS ARE TO BE BACK FILLED AFTER FLOOR DECK IS SECURED.

STEEL BEAMS:
SHIM & GROUT SOLID ALL BEAM POCKETS. ALL STEEL BEAMS & BEARING PLATES ARE TO HAVE HOLES FOR 1/2" THROUGH-BOLTS @ 32" o.c. (MAX) STAGGERED SIDE TO SIDE FOR PRESSURE TREATED SILLS

FOUNDATIONS

THE SLAB ON GRADE SHALL REST ON A MINIMUM OF 4" OF COMPACTED FILL.

ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL, HAVING A MINIMUM BEARING CAPACITY OF 3000 PSF.

THE BOTTOMS OF ALL EXTERIOR FOOTINGS SHALL BE 4'-0" MINIMUM BELOW FINISHED GRADE. IF THE BUILDING WILL BE UNDER CONSTRUCTION DURING FREEZING WEATHER, ALL INTERIOR FOUNDATIONS SHALL BE DEPRESSED 4'-0" BELOW CONSTRUCTION GRADE FOR FROST PROTECTION. IF SUCH ADDITIONAL FOOTING DEPTH WILL CAUSE UNDERMINING OF ADJACENT EXISTING FOOTINGS OR STRUCTURES, PROVIDE APPROPRIATE SHORING, BRACING, OR UNDERPINNING AS REQUIRED OR LEAVE FOOTING ELEVATION AS DESIGNED AND PROVIDE CONTINUED PROTECTION AND HEAT TO PREVENT FORMATION OF FROST BELOW FOOTING AND ADJACENT TO FOOTING.

CONCRETE

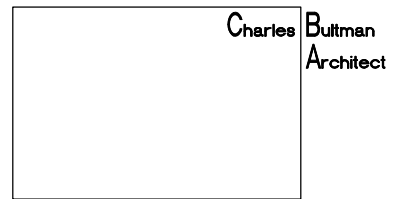
CONCRETE TO BE 3000 PSI AT 28 DAYS, WITH ASTM A-615 GRADE 60 REINFORCING BAR AND ASTM A-185 WELDED WIRE FABRIC.

ALL SLABS ON GRADE WHERE NOT OTHERWISE SPECIFIED, ARE TO BE 4" THICK WITH 6 x 6 - W1.4 x W1.4 WWF.

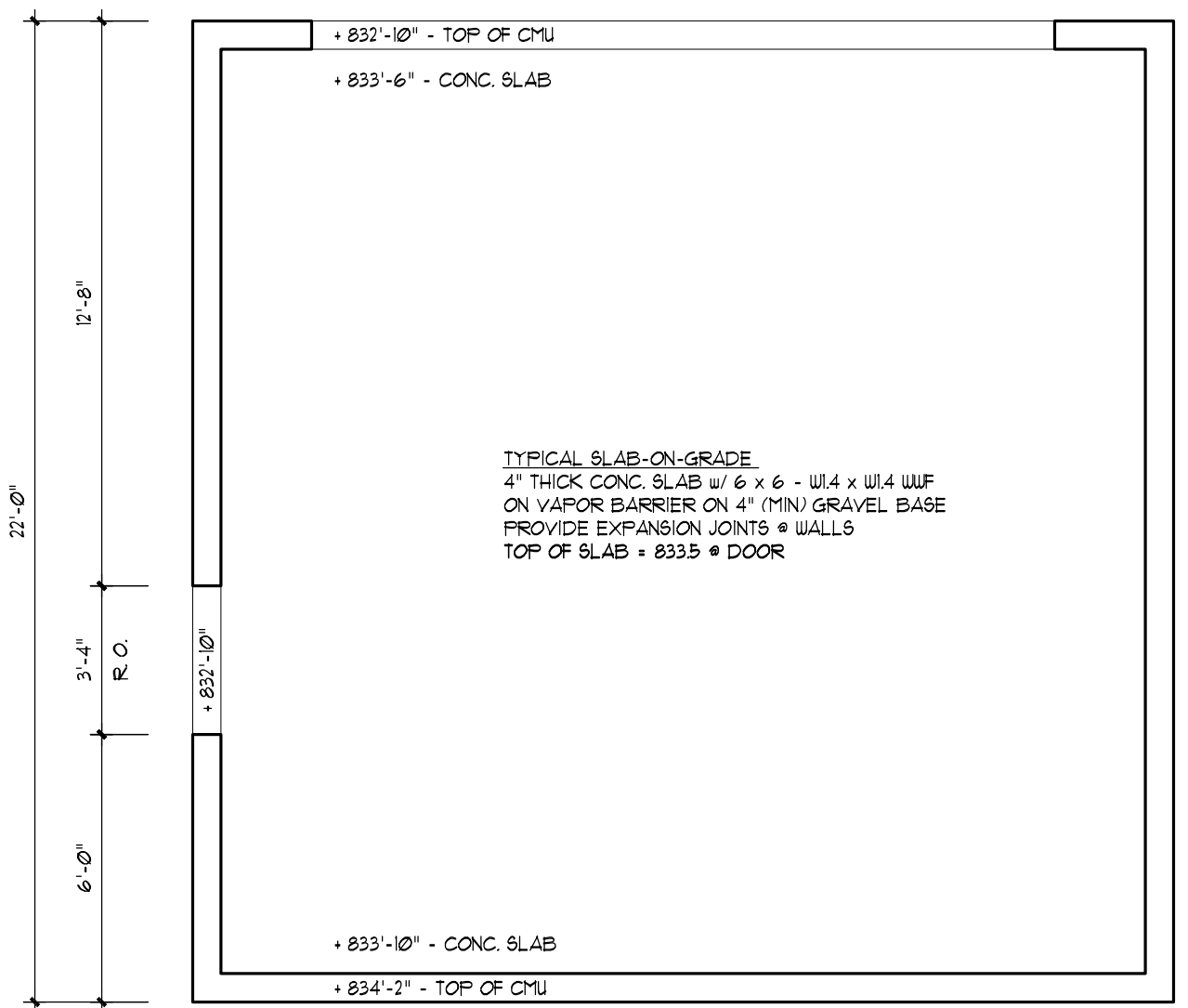
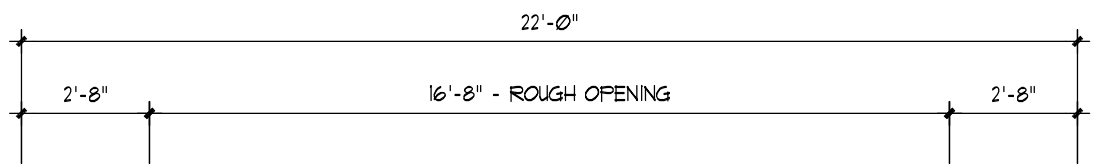
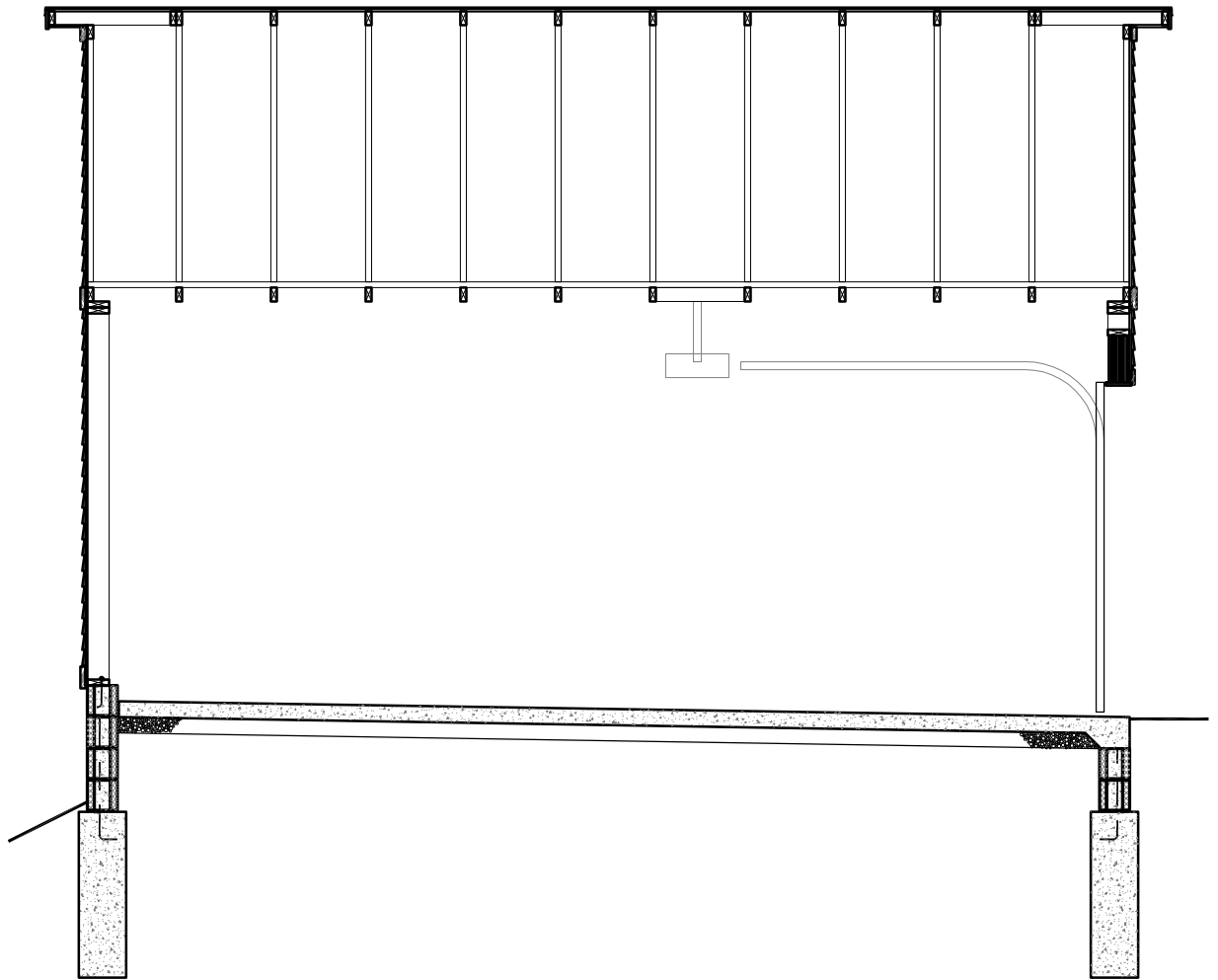
PROVIDE AIR-ENTRAINMENT (6% ± 1%) FOR CONCRETE EXPOSED TO WEATHER.

STEEL FRAMING

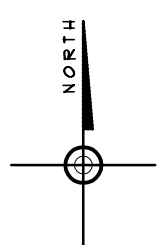
TYPICAL STRUCTURAL STEEL TO BE ASTM A36-36 KSI AND STEEL TUBES ASTM A500-46 KSI. BOLTS TO BE ASTM A325. WELDING ELECTRODES TO BE ASTM A233, E-70 SERIES. ANCHOR BOLTS TO BE ASTM A307 THREADED RODS, AND GROUT BELOW PLATES TO BE NON-SHRINK, NON-METALLIC GROUT (5000 PSI)



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TYPICAL SLAB-ON-GRADE
4" THICK CONC. SLAB w/ 6 x 6 - W1.4 x W1.4 WWF ON VAPOR BARRIER ON 4" (MIN) GRAVEL BASE
PROVIDE EXPANSION JOINTS @ WALLS
TOP OF SLAB = 833.5 @ DOOR



GENERAL NOTES - WOOD FRAMING

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION TO ACCOUNT FOR ALL FORCES, INCLUDING BUT NOT LIMITED TO FORCES FROM GRAVITY, EARTH, WIND, AND UNBALANCED FORCES DUE TO CONSTRUCTION SEQUENCE.

THE STRUCTURAL INTEGRITY OF THE BUILDING SHOWN ON THESE PLANS IS DEPENDENT UPON COMPLETION ACCORDING TO PLANS AND SPECIFICATIONS. STRUCTURAL MEMBERS ARE NOT SELF-BRACING AND SHALL BE SHORED AND/OR BRACED BY THE CONTRACTOR AS NECESSARY UNTIL STABILIZED BY VIRTUE OF COMPLETED CONNECTIONS.

CONTRACTOR IS TO USE AND FOLLOW ALL STANDARD USES, DETAILS, ETC. AS PROVIDED BY THE SPECIFIC MANUFACTURER OF THE FLOOR TRUSS SYSTEM. IF THESE DRAWINGS CONFLICT w/ ANY INFORMATION PROVIDED BY THE FLOOR TRUSS MANUFACTURER THE MORE STRINGENT SPECIFICATION WILL BE FOLLOWED.

GENERAL REQUIREMENTS

SILLS @ STEEL BEAMS & BEARING PLATES:
ALL STEEL BEAMS & BEARING PLATES ARE TO HAVE PRESSURE TREATED SILLS w/ 1/2" THROUGH-BOLTS @ 32" o.c. (MAX) STAGGERED SIDE TO SIDE.

FRAMING UNDER PARTITIONS:
PROVIDE 2 WOOD 1" JOISTS UNDER ALL PARTITIONS PARALLEL w/ JOISTS OR PROVIDE BLOCKING PANELS ACROSS JOIST BAY @ 16" o.c. (MAX). (THIS ITEM IS NOT SHOWN IN THE PLAN FOR CLARITY)

FLOOR FRAMING:
PROVIDE WOOD 1" JOISTS (TJI/PRO 150) FOR ALL SPANS UP TO 17'-0".
FOR ALL SPANS GREATER, PROVIDE WOOD 1" JOISTS (TJI/PRO 350).
PROVIDE SOLID BLOCKING @ 4'-0" o.c. IN THE FIRST THREE (3) JOIST BAYS FOR LOCATIONS WHERE THE JOISTS AREA PARALLEL TO THE FOUNDATION WALL. (THIS ITEM IS NOT SHOWN IN THE PLAN FOR CLARITY)

WOOD FRAMING

WOOD FRAMING TO BE HEM-FIR NO. 2 OR BETTER FOR 2x8 AND LARGER MEMBERS, AND SPF NO. 2 OR BETTER FOR 2x4 AND 2x6 MEMBERS.

ALL LUMBER IN CONTACT WITH MASONRY OR STEEL TO BE CCA TREATED.

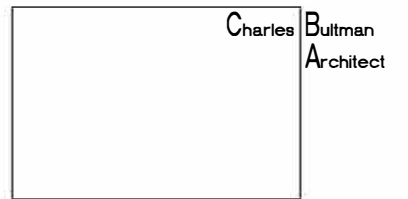
ALL FLUSH FRAMED CONNECTIONS ARE TO BE MADE USING JOIST HANGERS DESIGNED FOR THE SPECIFIC CONDITION UNLESS OTHER CONNECTIONS ARE PROVIDED. ANGLE BRACKETS ARE NOT ACCEPTABLE WITHOUT PRIOR APPROVAL. ALL JOIST HANGERS ARE TO BE INSTALLED PER MANUFACTURE'S RECOMMENDATIONS WITH MANUFACTURER RECOMMENDED NAILS.

WOOD TRUSSES SHALL BE SHOP FABRICATED TO THE REQUIREMENTS OF THE TRUSS PLATE INSTITUTE AND SHALL BE CAPABLE OF SUPPORTING THE LOADS INDICATED ON THE DRAWINGS. SHOP DRAWINGS SHALL INCLUDE ALL HEADERS AND GIRDER TRUSSES AND THEIR ASSOCIATED CONNECTIONS AND SHALL BEAR THE SEAL OF A P.E. REGISTERED IN MICHIGAN.

WOOD TRUSSES SHALL BE INSTALLED IN ACCORDANCE WITH THE HANDLING, INSTALLING & BRACING GUIDE HIB-91 BY THE TRUSS PLATE INSTITUTE.

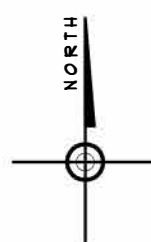
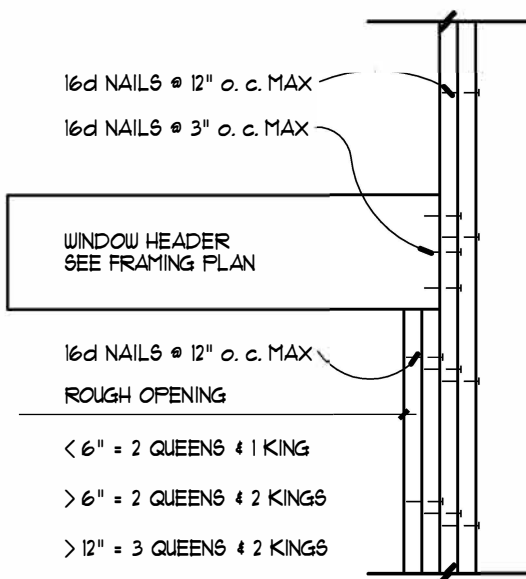
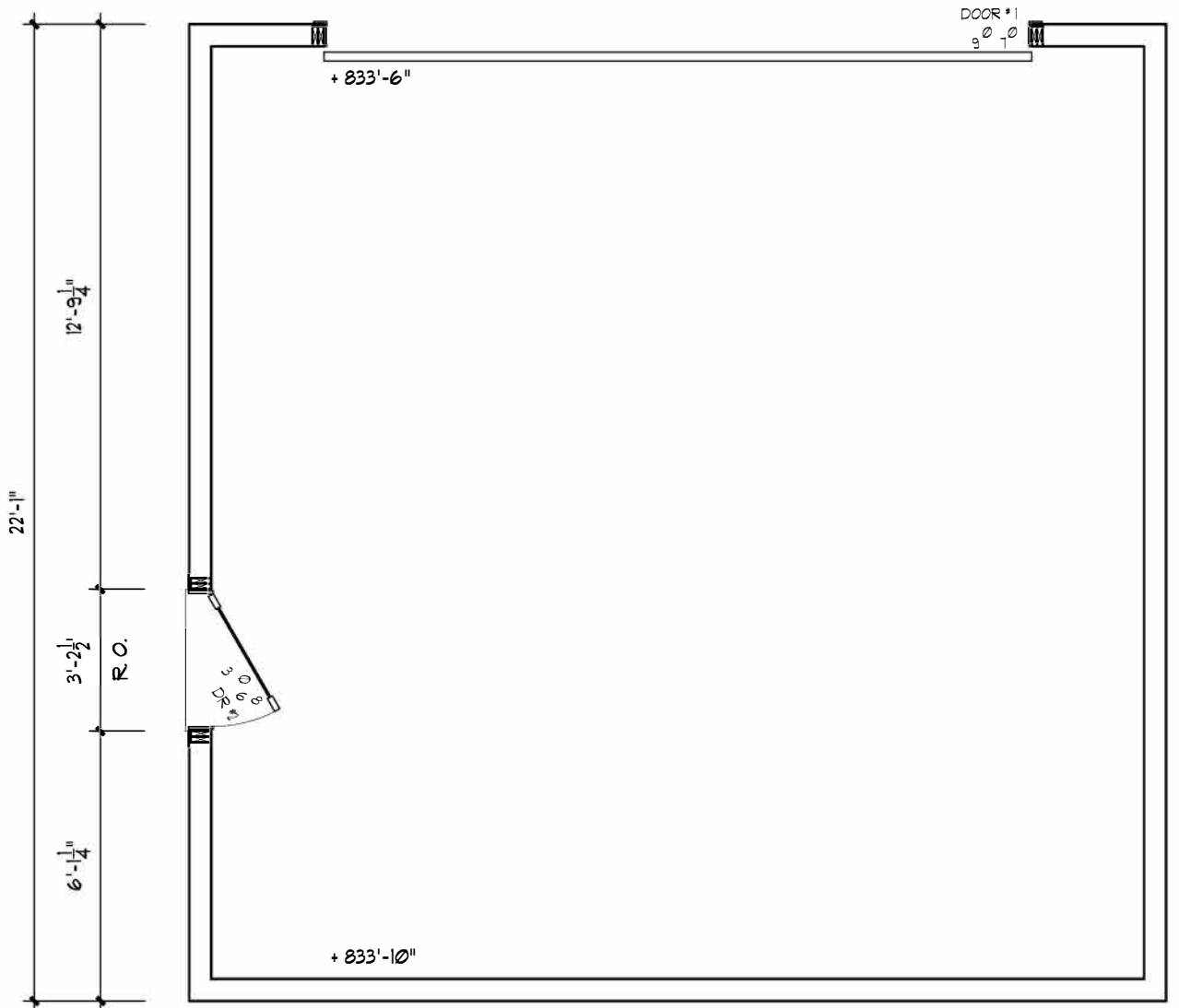
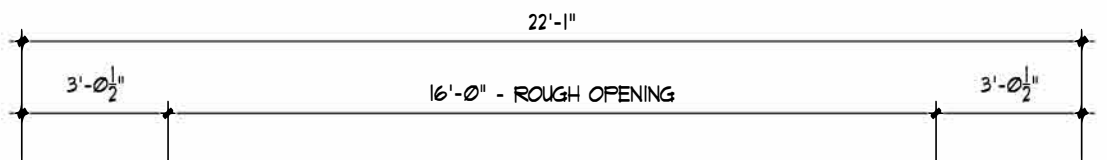
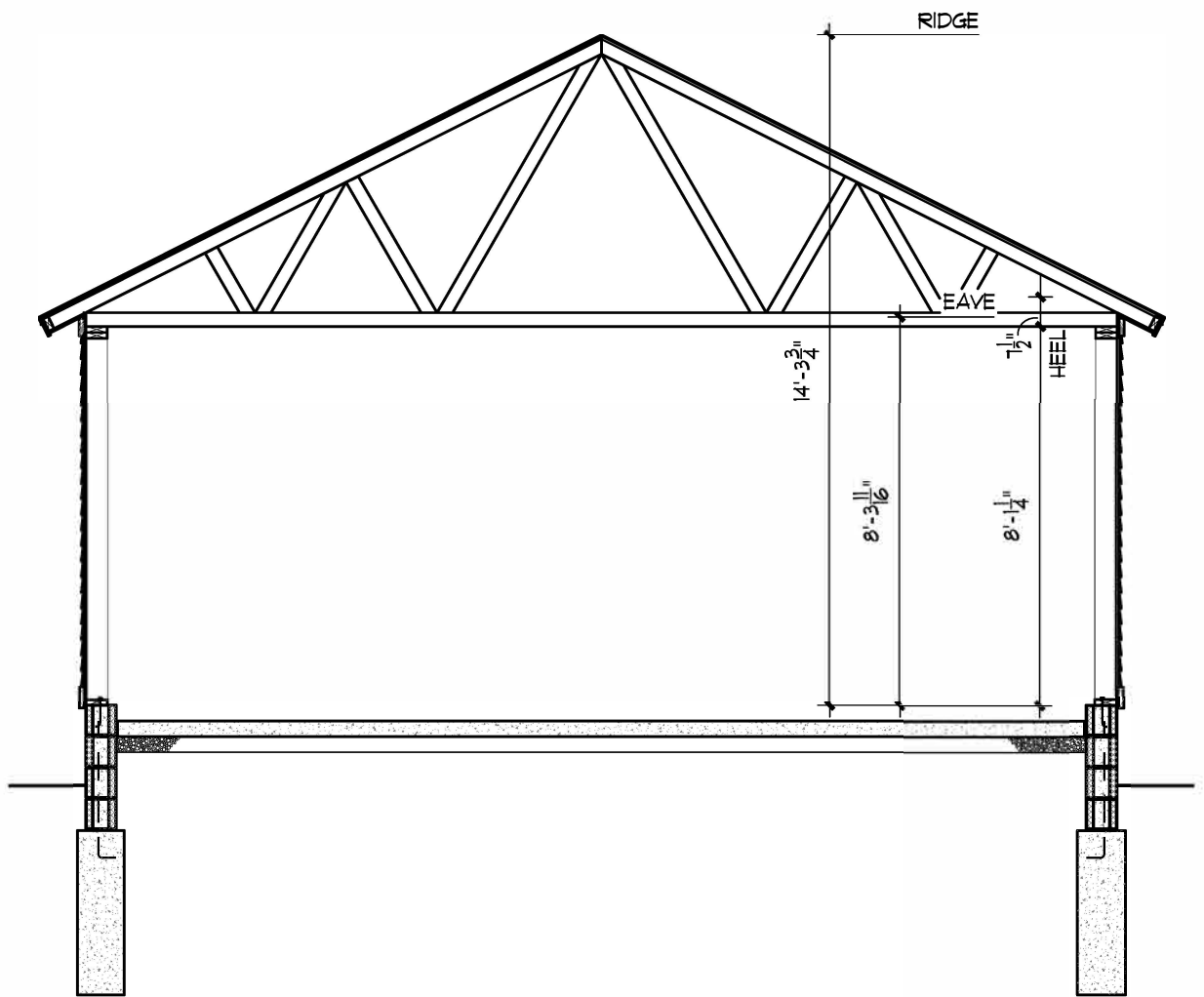
LAMINATED VENEER LUMBER AND PLYWOOD JOIST CHORDS ARE TO VALUES OF Fb NOT LESS THAN 2800 PSI AND Fc PERPENDICULAR OF NOT LESS THAN 150 PSI AND Fc PARALLEL OF NOT LESS THAN 2800 PSI.

ALL FLOOR, ROOF, AND WALL SHEATHING TO BE STRUCTURAL 1 PLYWOOD OR OSB, WITH MINIMUM CHARACTERISTICS AND ATTACHMENT AS FOLLOWS: FLOORS- 3/4" T&G, GLUED AND NAILED w/ 10d @ 6". WALLS- 7/16" NAILED w/ 10d @ 6". ROOFS- 5/8" w/ H-CLIPS AND NAILED w/ 10d @ 6".



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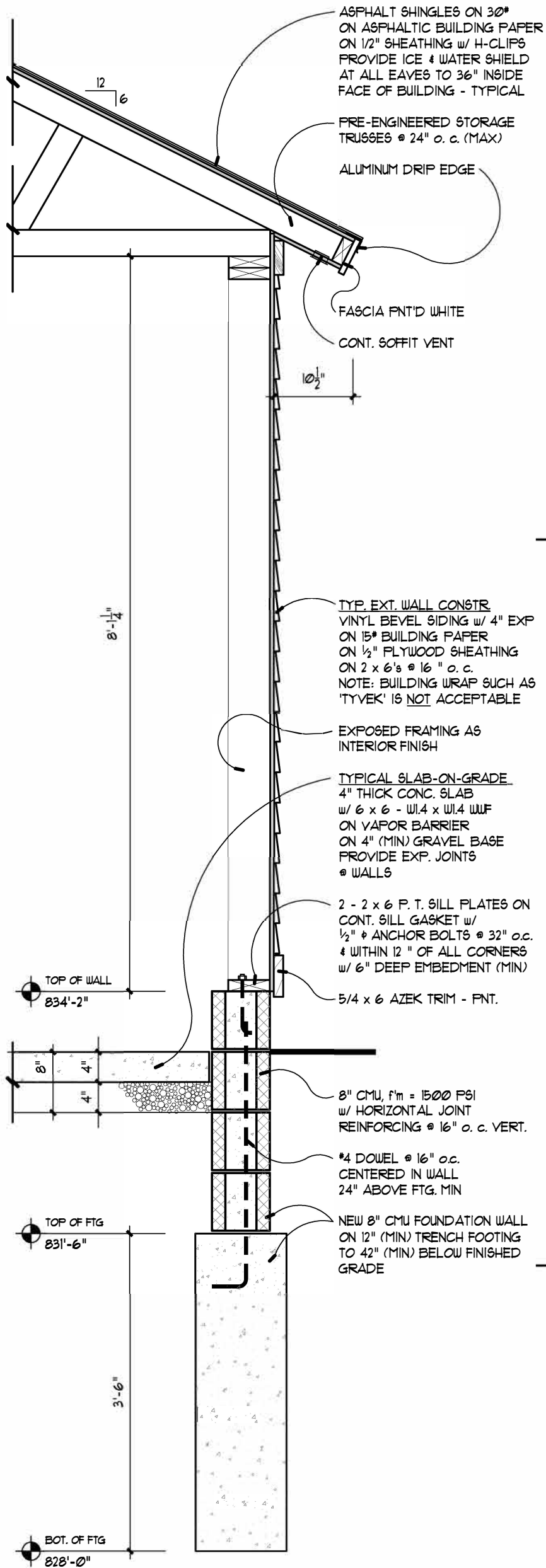


FLOOR PLAN and BUILDING SECTION

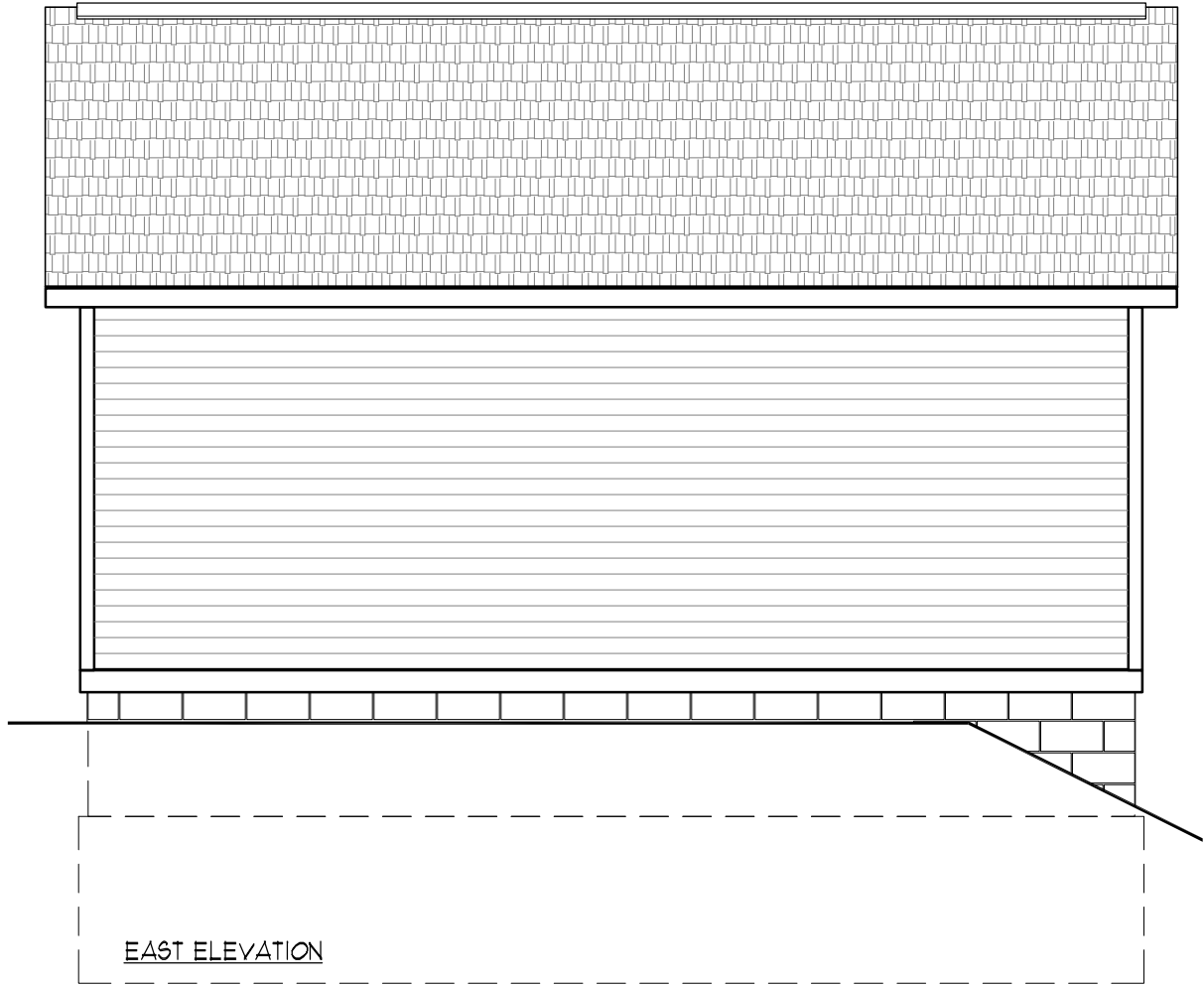
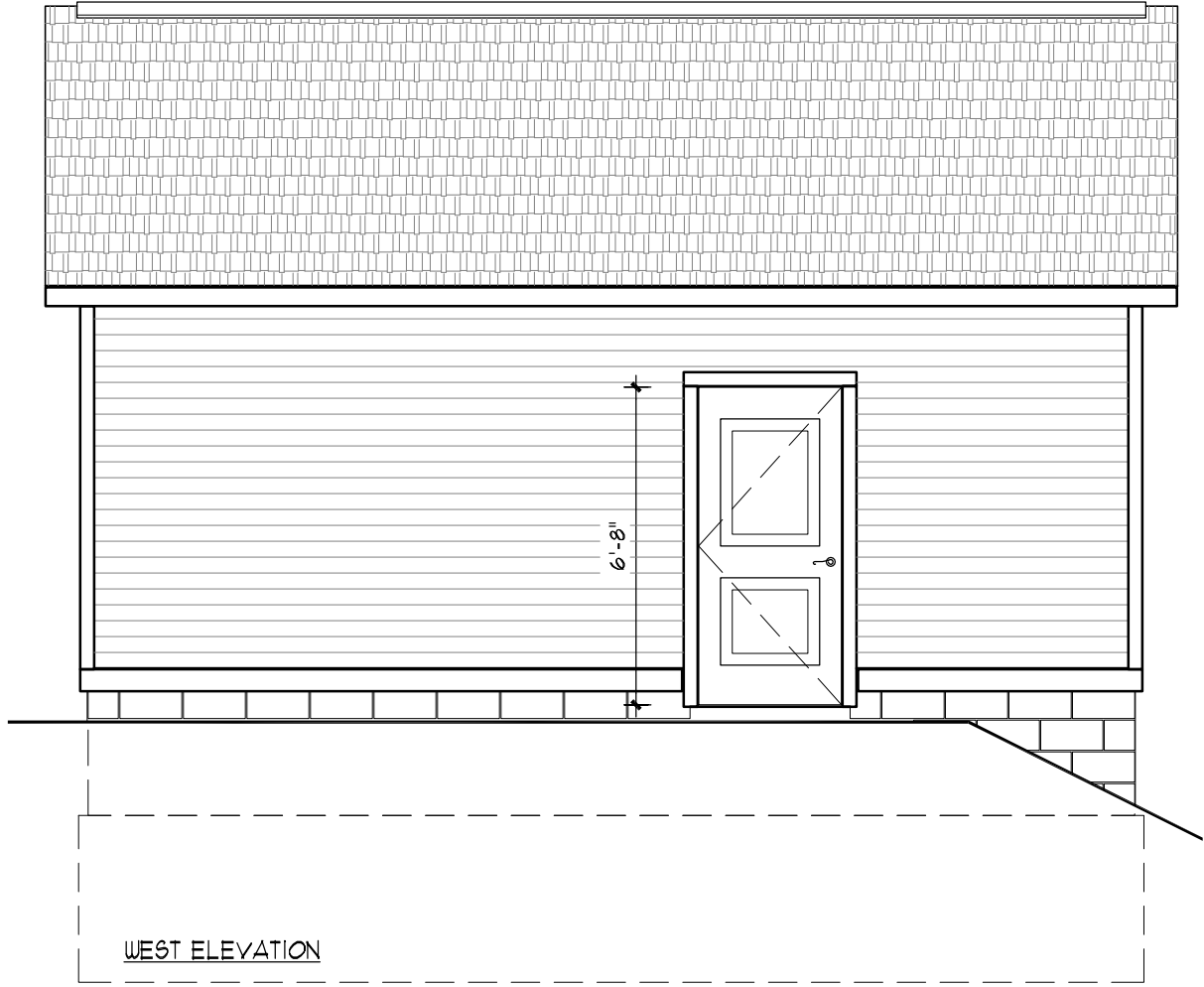
808 WEST WASHINGTON STREET
ANN ARBOR, MICHIGAN

DATE 4 MARCH 2024

SCALE 1/4" = 1'-0"



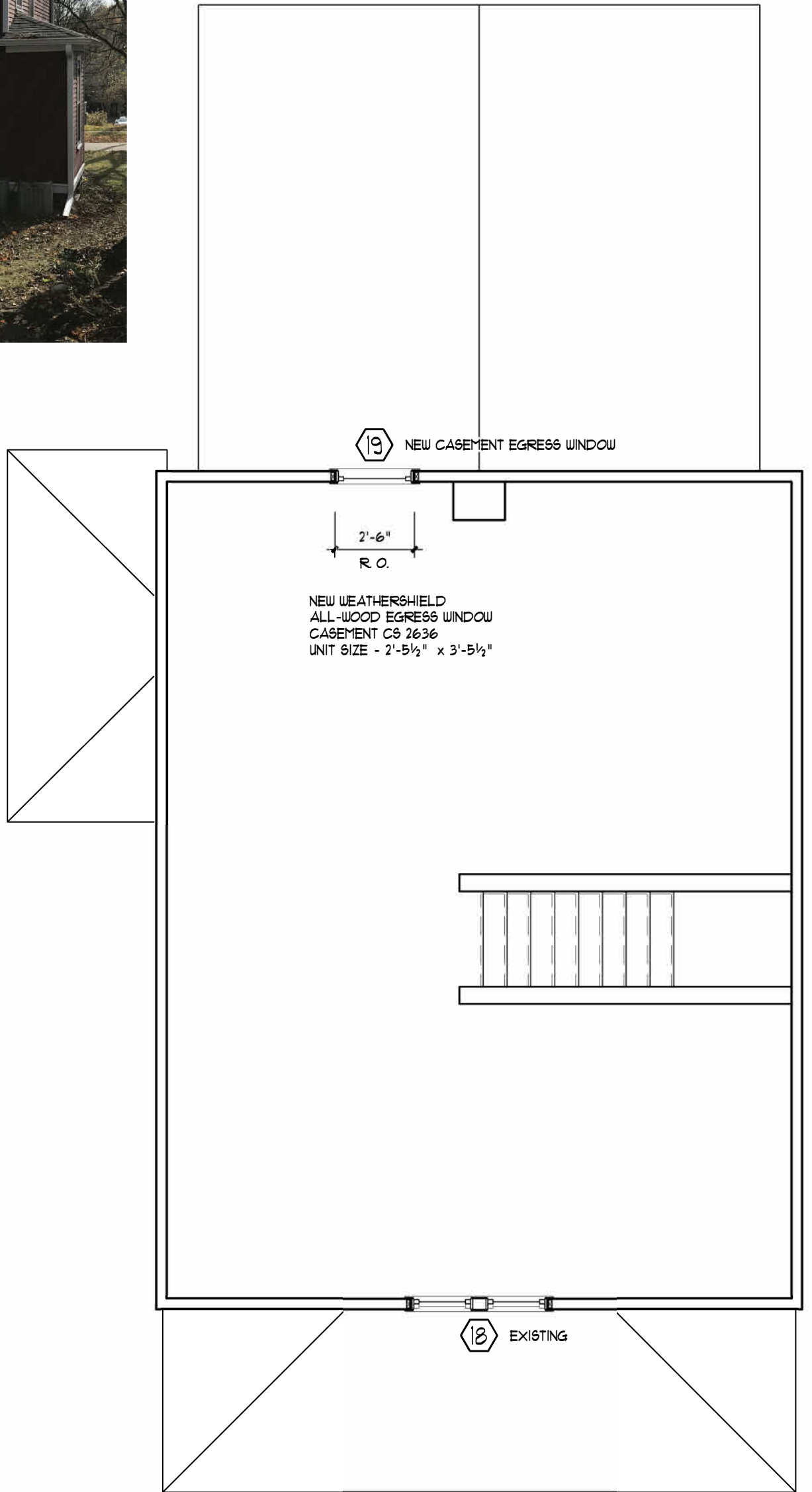
BUILDING ELEVATIONS and TYPICAL WALL SECTION





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ATTIC PLAN FOR NEW WINDOW

808 WEST WASHINGTON STREET
ANN ARBOR, MICHIGAN

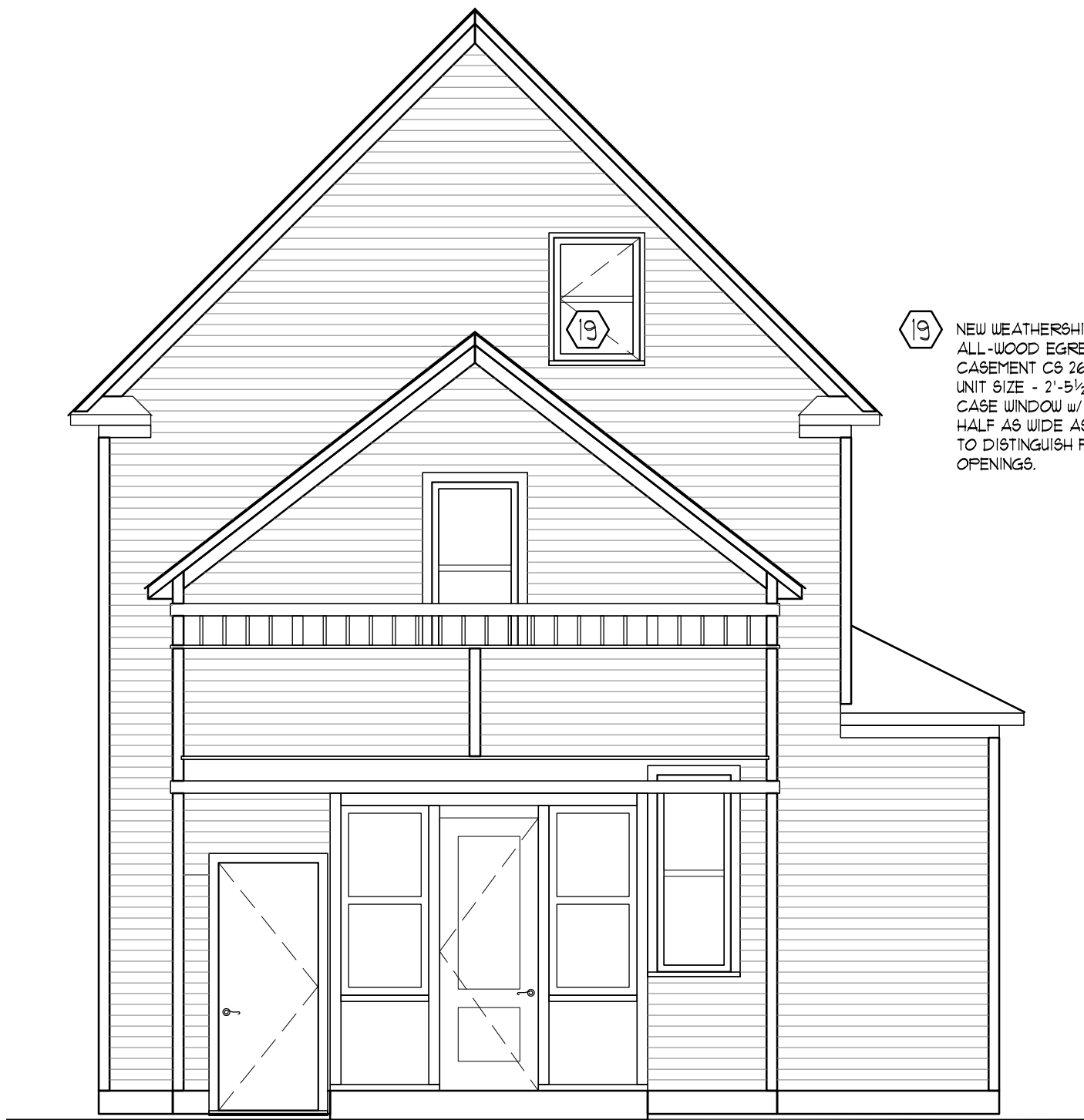
DATE 4 MARCH 2024

SCALE 1/4" = 1'-0"



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19 NEW WEATHERSHIELD
ALL-WOOD EGRESS WINDOW
CASEMENT CS 2636
UNIT SIZE - 2'-5½" x 3'-5½"
CASE WINDOW w/ 64S WOOD TRIM
HALF AS WIDE AS EXISTING
TO DISTINGUISH FROM HISTORIC
OPENINGS.

REAR ELEVATION FOR NEW WINDOW

808 WEST WASHINGTON STREET
ANN ARBOR, MICHIGAN

DATE 4 MARCH 2024

SCALE 1/4" = 1'-0"

CASEMENT WINDOWS

WINDOWS SHOWN:

Configuration: Casement

Interior Finish: Pine with Fruitwood Stain

Features: 7/8" Simulated Divided Lite

Glass: Insulated Low-E with Argon

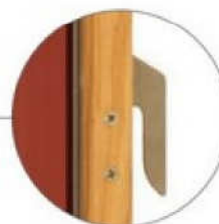
THE ELEGANT BEAUTY OF CLASSIC DESIGN

Our casement windows are a marriage of great looks and uncompromising performance. Hinged on the side to open with a hand crank, casements are a flexible option for use alone, in series, or in combination with awning or specialty shape windows.



Unmatched Performance

Tricore™ Frame Technology features extruded aluminum exterior cladding that's easy to maintain and stands up to the harshest elements. With corners welded to prevent water penetration, the multi-chambered composite sub-frame is not only impervious to moisture, but also acts as a thermal barrier.



Refined Security

The **concealed lock system** provides a clean appearance with a single lever lock that engages all lock points on the sash.



Effortless Operation

European engineered **premium hardware** makes opening and closing even the largest units feel effortless. Also available in our sleek, contemporary hardware option.

Push-Out Casement Windows

Our **push-out casement** windows offer unique design options as an alternative to operator casement windows. It operates easily with just a turn of the handle featuring the latest technology with traditional and minimalist look and feel. View hardware options on page 38.



ARCHITECTURALLY INSPIRED, TECHNOLOGICALLY ADVANCED

Our double hung windows represent a one-of-a-kind approach to a popular choice in home design. With the versatility to open from the top or bottom, a breath of fresh air is never out of reach. From robust ventilation to energy efficiency and ease of use, double hung windows are a timeless classic.



Natural Finish

A **wood jamb liner** covers all mechanical balance systems to create a **tailored aesthetic**.



Tilt and Release

With **concealed tilt release latches**, nothing comes between you and the view. Recessed into the lock rail, this design element leaves the sash clear of all visible latch hardware.



Single Handed Ease

The **single dual action lock** allows the sash to be unlocked and tilted easily with one hand – so you can save your energy for the things that really matter.

All-Wood Double Hung Windows

Our **all-wood products** not only offer excellent durability, but they also offer a level of elegance and historical accuracy that only wood windows and doors can provide. Available in a variety of wood species capable of matching any decor. See full product details at weathershield.com.





DOUBLE HUNG WINDOWS

WINDOWS SHOWN:

Configuration: Double Hung

Interior Finish: White Poly

Features: 5/8" Simulated Divided Lite

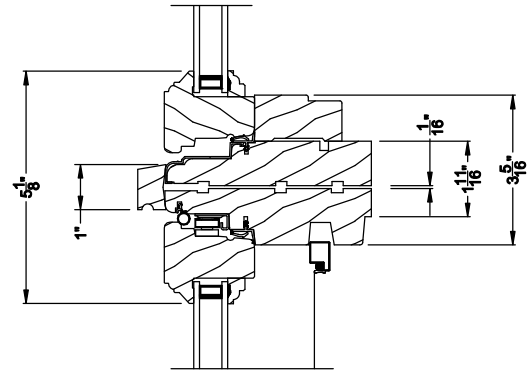
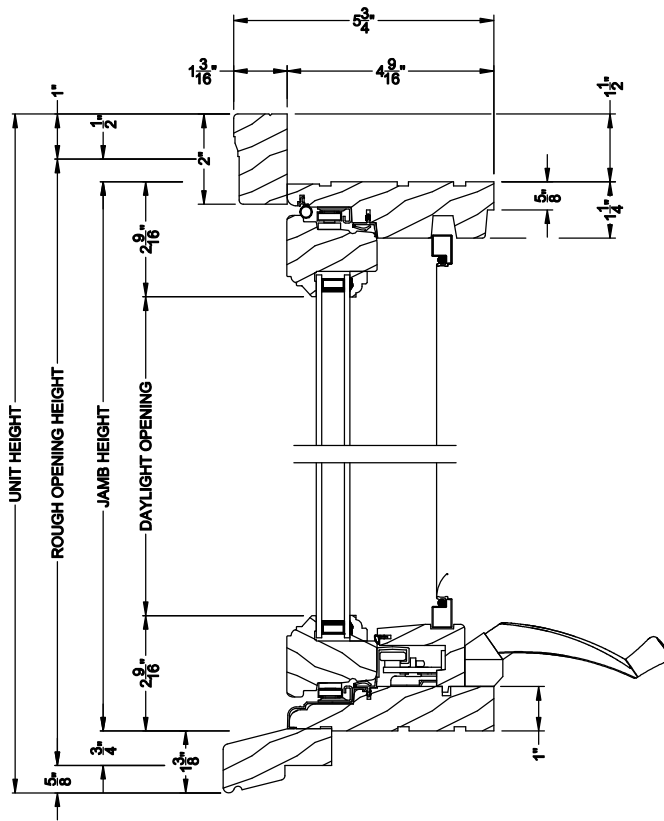
Glass: Insulated Low-E with Argon

Weather Shield®

Premium Wood Series™

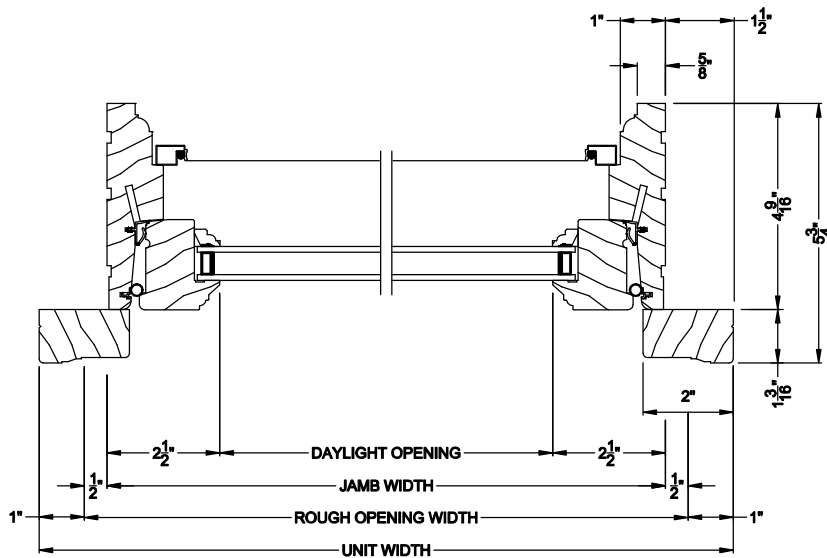
Casement Windows

CROSS SECTION DETAILS

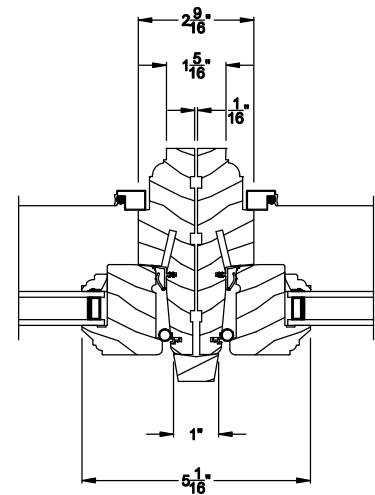


PREMIUM WOOD CASEMENT WINDOW
Horizontal Stack Section - Transom Stack over Casement

PREMIUM WOOD CASEMENT WINDOW (6204)
Vertical Section



PREMIUM WOOD CASEMENT WINDOW (6204)
Horizontal Section



PREMIUM WOOD CASEMENT WINDOW
Vertical Mull Section

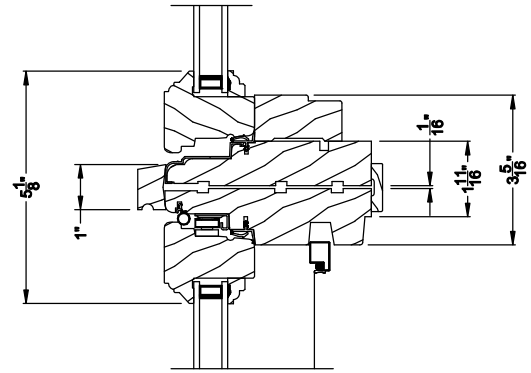
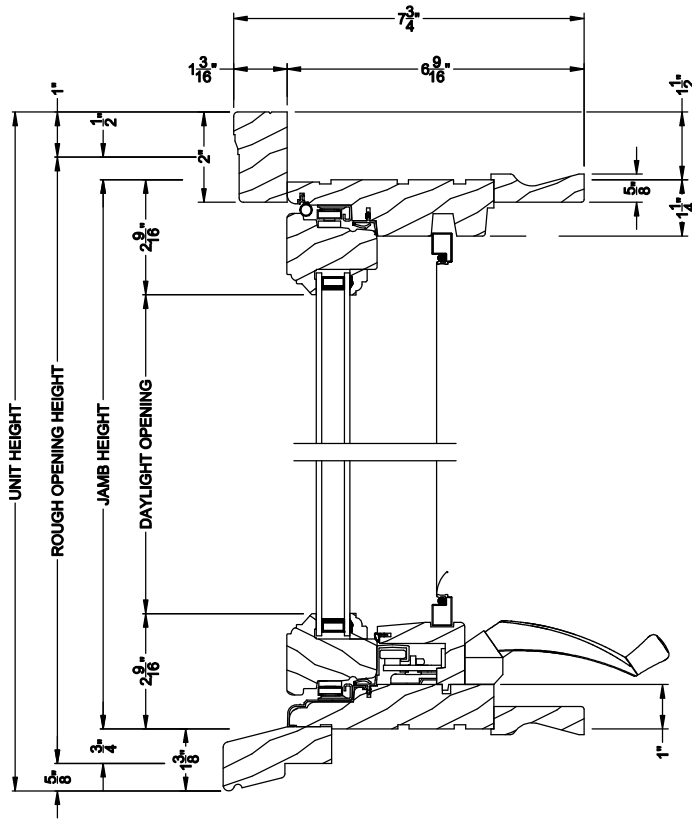
Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.

Weather Shield®

Premium Wood Series™

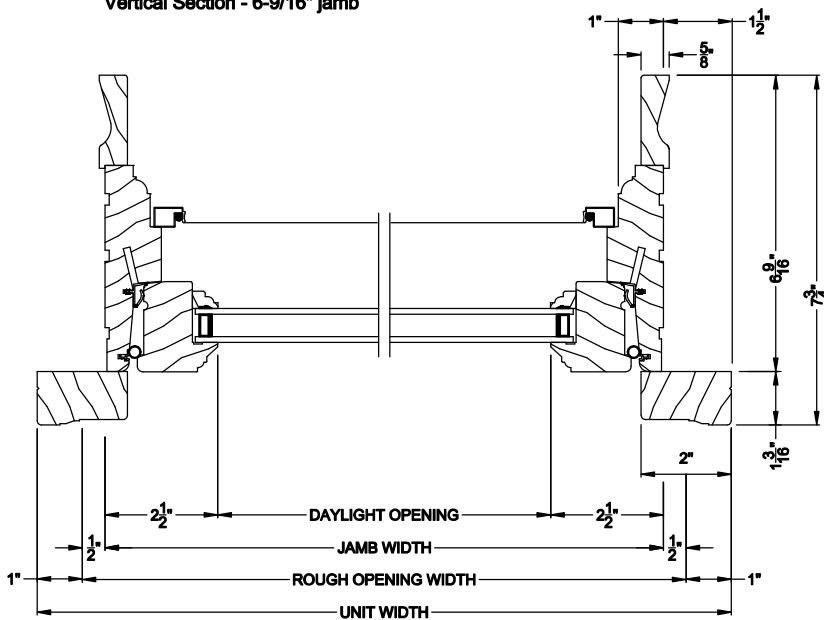
Casement Windows

CROSS SECTION DETAILS

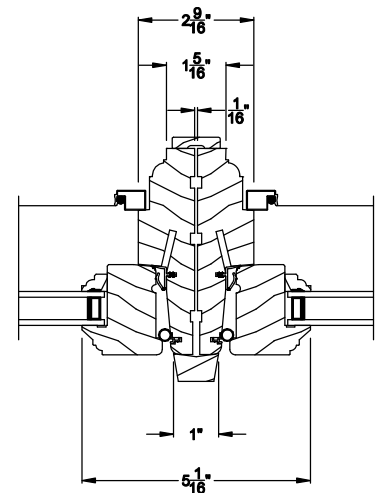


PREMIUM WOOD CASEMENT WINDOW
Horizontal Stack Section - Transom Stack over Casement

PREMIUM WOOD CASEMENT WINDOW (6204)
Vertical Section - 6-9/16" jamb



PREMIUM WOOD CASEMENT WINDOW (6204)
Horizontal Section - 6-9/16" jamb



PREMIUM WOOD CASEMENT WINDOW
Vertical Mull Section

Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.

Premium Wood Series™

Opening Specifications

Casement Windows (6204)

Revised 10/12/23

WEATHER SHIELD.

WINDOWS & DOORS

Call Size	Sq. Ft. Clear Opening		Clear Opening			Sq. Ft. Daylight Opening	Sq. Ft. Vent	Floor to Bottom of Clear Opening ^a	Sq. Ft. Overall Unit Area ^b
	Std Hinges	Egress Hinges	Width - Std Hinges	Width - Egress Hinges	Height				
1620	1.30	1.66	9.44	12.02	19.89	1.60	1.80	60.86	2.86
1626	1.70	2.16	9.44	12.02	25.89	2.12	2.34	54.86	3.59
1630	2.09	2.66	9.44	12.02	31.89	2.64	2.88	48.86	4.31
1636	2.48	3.16	9.44	12.02	37.89	3.16	3.42	42.86	5.04
1640	2.88	3.66	9.44	12.02	43.89	3.68	3.96	36.86	5.77
1646	3.27	4.16	9.44	12.02	49.89	4.20	4.50	30.86	6.50
1650	3.67	4.66	9.44	12.02	55.89	4.72	5.05	24.86	7.23
1656	4.06	5.16	9.44	12.02	61.89	5.24	5.59	18.86	7.96
1660	5.68	-	12.04	-	67.89	5.76	6.13	36.86	8.69
1666	6.18	-	12.04	-	73.89	6.28	6.67	30.86	9.42
1670	6.68	-	12.04	-	79.89	6.80	7.21	24.86	10.15
1676	7.18	-	12.04	-	85.89	7.32	7.75	18.86	10.88
1820	1.58	1.94	11.44	14.02	19.89	1.85	2.07	60.86	3.19
1826	2.06	2.52	11.44	14.02	25.89	2.45	2.70	54.86	3.99
1830	2.53	3.10	11.44	14.02	31.89	3.06	3.32	48.86	4.81
1836	3.01	3.69	11.44	14.02	37.89	3.66	3.95	42.86	5.62
1840	3.49	4.27	11.44	14.02	43.89	4.27	4.57	36.86	6.43
1846	3.96	4.86	11.44	14.02	49.89	4.87	5.20	30.86	7.24
1850	4.44	5.44	11.44	14.02	55.89	5.48	5.82	24.86	8.06
1856	4.92	6.02	11.44	14.02	61.89	6.08	6.45	18.86	8.87
1860	5.39	6.61	11.44	14.02	67.89	6.68	7.07	36.86	9.68
1866	7.06	-	13.76	-	73.89	7.29	7.70	30.86	10.49
1870	7.63	-	13.76	-	79.89	7.89	8.32	24.86	11.31
1876	8.21	-	13.76	-	85.89	8.50	8.95	18.86	12.12
2020	2.13	2.49	15.44	18.02	19.89	2.36	2.62	60.86	3.84
2026	2.78	3.24	15.44	18.02	25.89	3.13	3.42	54.86	4.81
2030	3.42	3.99	15.44	18.02	31.89	3.90	4.21	48.86	5.79
2036	4.06	4.74	15.44	18.02	37.89	4.67	5.00	42.86	6.77
2040	4.71	5.49	15.44	18.02	43.89	5.44	5.79	36.86	7.75
2046	5.35	6.24	15.44	18.02	49.89	6.21	6.58	30.86	8.73
2050	5.99	6.99	15.44	18.02	55.89	6.99	7.37	24.86	9.71
2056	6.64	7.74	15.44	18.02	61.89	7.76	8.17	18.86	10.69
2060	7.28	8.49	15.44	18.02	67.89	8.53	8.96	36.86	11.67
2066	8.82	-	17.20	-	73.89	9.30	9.75	30.86	12.65
2070	9.54	-	17.20	-	79.89	10.07	10.54	24.86	13.63
2076	10.26	-	17.20	-	85.89	10.84	11.33	18.86	14.61
2420	2.69	3.04	19.44	22.02	19.89	2.87	3.18	60.86	4.49
2426	3.50	3.96	19.44	22.02	25.89	3.81	4.14	54.86	5.63
2430	4.31	4.88	19.44	22.02	31.89	4.75	5.09	48.86	6.78
2436	5.12	5.79	19.44	22.02	37.89	5.68	6.05	42.86	7.93
2440	5.93	6.71	19.44	22.02	43.89	6.62	7.01	36.86	9.07
2446	6.74	7.63	19.44	22.02	49.89	7.56	7.97	30.86	10.22
2450	7.55	8.55	19.44	22.02	55.89	8.50	8.93	24.86	11.36
2456	8.36	9.46	19.44	22.02	61.89	9.43	9.89	18.86	12.51
2460	9.17	10.38	19.44	22.02	67.89	10.37	10.84	36.86	13.65
2466	10.59	-	20.64	-	73.89	11.31	11.80	30.86	14.80
2470	11.45	-	20.64	-	79.89	12.25	12.76	24.86	15.95
2476	12.31	-	20.64	-	85.89	13.18	13.72	18.86	17.09
2620	3.10	3.46	22.44	25.02	19.89	3.25	3.59	60.86	4.98
2626	3.86	4.32	21.44	24.02	25.89	4.15	4.49	54.86	6.04
2630	4.75	5.32	21.44	24.02	31.89	5.17	5.54	48.86	7.27
2636	5.64	6.32	21.44	24.02	37.89	6.19	6.58	42.86	8.50
2640	6.54	7.32	21.44	24.02	43.89	7.21	7.62	36.86	9.73
2646	7.43	8.32	21.44	24.02	49.89	8.23	8.66	30.86	10.96
2650	8.32	9.32	21.44	24.02	55.89	9.25	9.70	24.86	12.19
2656	9.22	10.32	21.44	24.02	61.89	10.27	10.74	18.86	13.42
2660	10.11	11.32	21.44	24.02	67.89	11.29	11.79	36.86	14.65
2666	11.47	-	22.35	-	73.89	12.31	12.83	30.86	15.88
2670	12.40	-	22.35	-	79.89	13.33	13.87	24.86	17.11
2676	13.33	-	22.35	-	85.89	14.36	14.91	18.86	18.34

Shaded sizes meet or exceed egress opening requirements per 2015 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44".

^a Floor to bottom of clear opening dimensions are based on 82" jamb height of a 6-10 door.

All units over 66" RO height are based off 106" jamb height for floor to clear opening dimension

^b Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

^c These windows meet or exceed emergency escape and rescue opening requirements if installed lower in the wall so the "Floor to Bottom of Clear Opening Height" does not exceed 44".

All units over 71.125" jamb height are manufactured with butt hinges and do not open 90 degrees. Clear opening width values for these are calculated parallel to the sash and with a 4-9/16" jamb depth. Check with your local building inspector to verify allowance

Premium Wood Series™

Opening Specifications

Casement Windows (6204)

Revised 10/12/23

WEATHER SHIELD.

WINDOWS & DOORS

Call Size	Sq. Ft. Clear Opening		Clear Opening			Sq. Ft. Daylight Opening	Sq. Ft. Vent	Floor to Bottom of Clear Opening ^a	Sq. Ft. Overall Unit Area ^b
	Std Hinges	Egress Hinges	Width - Std Hinges	Width - Egress Hinges	Height				
2820	2.97	-	21.48	-	19.89	3.38	3.73	60.86	5.14
2826	3.86	-	21.48	-	25.89	4.49	4.85	54.86	6.45
2830	4.76	-	21.48	-	31.89	5.59	5.98	48.86	7.77
2836	5.65	-	21.48	-	37.89	6.69	7.10	42.86	9.08
2840	6.55	-	21.48	-	43.89	7.80	8.23	36.86	10.39
2846	7.44	-	21.48	-	49.89	8.90	9.35	30.86	11.70
2850	8.34	-	21.48	-	55.89	10.01	10.48	24.86	13.02
2856	9.23	-	21.48	-	61.89	11.11	11.60	18.86	14.33
2860	10.13	-	21.48	-	67.89	12.21	12.73	36.86	15.64
2866	12.35	-	24.07	-	73.89	13.32	13.85	30.86	16.95
2870	13.36	-	24.07	-	79.89	14.42	14.98	24.86	18.27
2876	14.36	-	24.07	-	85.89	15.53	16.10	18.86	19.58
3020	3.52	-	25.48	-	19.89	3.89	4.28	60.86	5.79
3026	4.58	-	25.48	-	25.89	5.16	5.57	54.86	7.27
3030	5.64	-	25.48	-	31.89	6.43	6.87	48.86	8.75
3036	6.71	-	25.48	-	37.89	7.70	8.16	42.86	10.23
3040	7.77	-	25.48	-	43.89	8.98	9.45	36.86	11.71
3046	8.83	-	25.48	-	49.89	10.25	10.74	30.86	13.19
3050	9.89	-	25.48	-	55.89	11.52	12.03	24.86	14.67
3056	10.95	-	25.48	-	61.89	12.79	13.32	18.86	16.15
3060	12.01	-	25.48	-	67.89	14.06	14.62	36.86	17.63
3066	14.12	-	27.51	-	73.89	15.33	15.91	30.86	19.11
3070	15.26	-	27.51	-	79.89	16.60	17.20	24.86	20.59
3076	16.41	-	27.51	-	85.89	17.87	18.49	18.86	22.06

The requirements outlined above for the major US building codes can be modified by local jurisdictions. Therefore, it is important to check local codes in the areas in which the product is to be installed.

WEATHER SHIELD.

WINDOWS & DOORS

Quick Spec Guide

Premium Wood Series™ Casement (6204)

SPECIFICATION	STANDARD FEATURES	OPTIONAL FEATURES
EXTERIOR FINISH	<ul style="list-style-type: none"> • Primed 	<ul style="list-style-type: none"> • 8 Standard Colors • 47 Designer Colors • Custom Color • No Prime/ No Fingerjoint
EXTERIOR TRIM	<ul style="list-style-type: none"> • Standard Brickmould • Standard Subsill 	<ul style="list-style-type: none"> • Washington K Style • Flat Casing (9 Back Bands) • Franklin Casing • Beaded Casing (9 Back Bands) • Stucco Mould • Staff Bead • No Exterior Casing • New England Subsill • No Subsill • Subsill (9519) • Subsill (9521) • Subsill (9524)
INTERIOR FINISH	<ul style="list-style-type: none"> • Natural 	<ul style="list-style-type: none"> • Stained & Sealed – 5 Standard / 10 Designer • Primed • Prefinished White & Black • Poly – 12 Standard / 45 Designer
INTERIOR SPECIES	<ul style="list-style-type: none"> • Pine 	<ul style="list-style-type: none"> • Oak • Maple • Alder (Character) • White Oak • Cherry • Mahogany • Mixed Grain Fir • Vertical Grain Fir
SIZE	<ul style="list-style-type: none"> • Width Casements and Casement Pictures 1-6, 1-8, 2-0, 2-4, 2-6, 2-8, 3-0 Casement Pictures 4-0, 4-6, 5-0, 5-6, 6-0, 6-6, 7-0, 7-6, 8-0 • Height Casements and Casement Pictures 2-0, 2-6, 3-0, 3-6, 4-0, 4-6, 5-0, 5-6, 6-0, 6-6 7-0, 7-6 	<ul style="list-style-type: none"> • Casements: Any jamb width: 16" to 36" • Casement Picture Units: Any jamb width: 12" to 120" • Casements: Any jamb height: 20-1/8" to 90-1/8" • Casement Picture Units: Any jamb height: 12-1/8" to 119-3/8"
GLAZING	<ul style="list-style-type: none"> • Insulated Low E 	<ul style="list-style-type: none"> • Clear IG • Insulated Low E 240 • Zo-E Shield 5 • Zo-E Shield 5 Extreme • Zo-E Shield 6 (laminated) • Zo-E Shield 7 (triple insul) • Single Glaze • Gray or Bronze Tint • Obscure • Tempered
GRILLES		<ul style="list-style-type: none"> • GBG: 5/8" Flat or 11/16" Sculptured • SDL: 5/8", 7/8", 1-1/8", 2" • Wood Grille: 7/8"
HARDWARE	<ul style="list-style-type: none"> • Folding Crank Handle • Sash Locks • Handle Ship Separately 	<ul style="list-style-type: none"> • Seacoast hardware • Handle Applied • Reinforced Keeper • Sash Snubber • Limit Stops
HARDWARE COLOR	<ul style="list-style-type: none"> • Goldtone 	<ul style="list-style-type: none"> • Bright Brass • White • Brushed Copper Nickel • Brushed Chrome • Adobe • Rustic Bronze
JAMB	<ul style="list-style-type: none"> • 4-9/16" 	<ul style="list-style-type: none"> • 4-9/16" Min • 12" Max
SCREENS	<ul style="list-style-type: none"> • W/ Screen • No-See-um Mesh 	<ul style="list-style-type: none"> • No Screen • Aluminum Non-Glare
SCREEN FRAME COLOR	<ul style="list-style-type: none"> • Goldtone 	<ul style="list-style-type: none"> • Bright Brass • White • Adobe • Champagne Anodized • Dark Bronze Anodized • Clear Anodized • Craftsman Bronze • Wood Wrapped

WEATHER SHIELD.
WINDOWS & DOORS