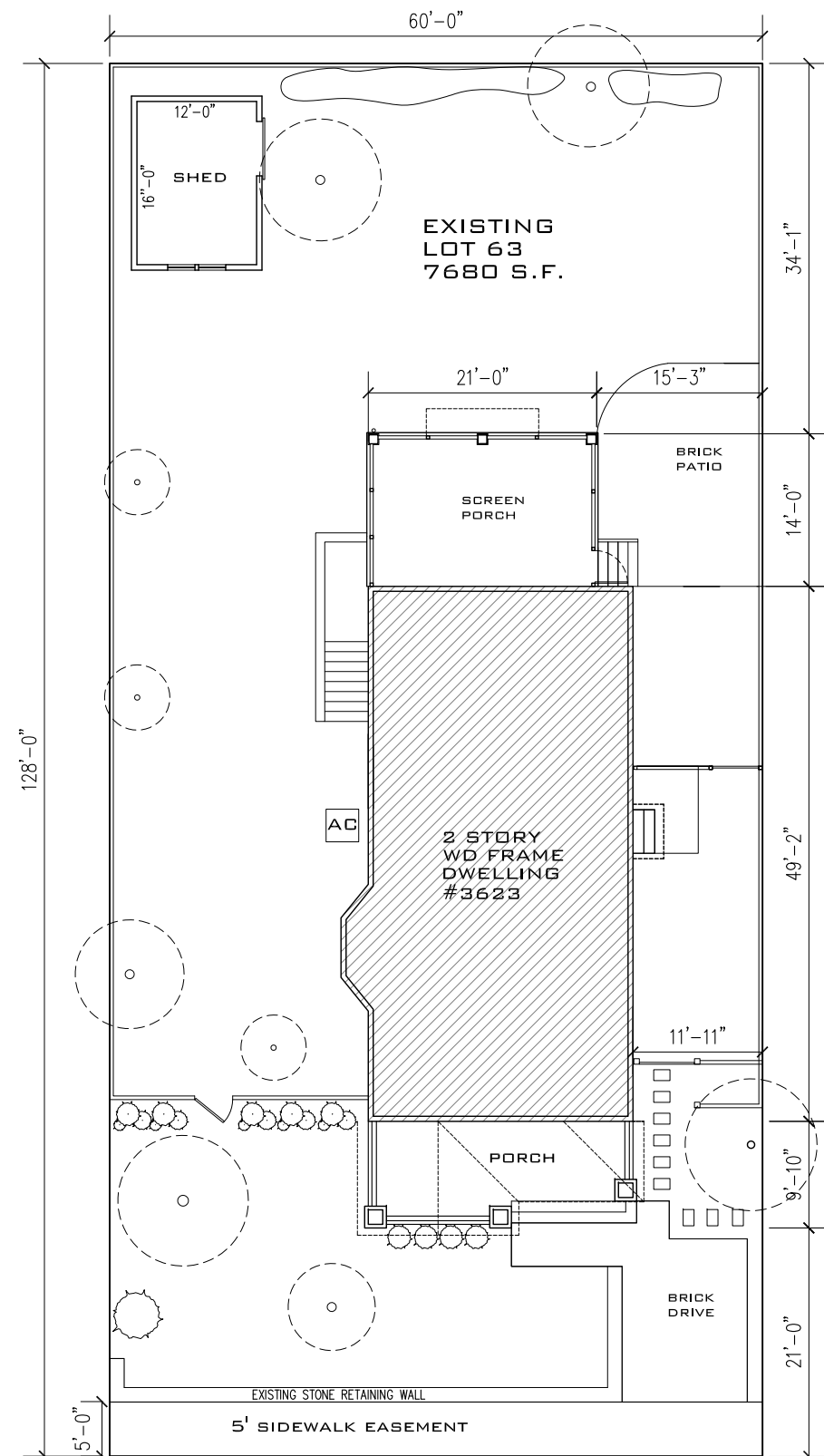


**21 ST AVENUE NORTH**

**EXISTING SITE PLAN**

Scale: 1/16" = 1'-0"



**21 ST AVENUE NORTH**

**EXISTING SITE PLAN**

Scale: 1/16" = 1'-0"



**FITZHARRIS RESIDENCE**

3623 North 21st Avenue  
Arlington, VA 22207

**RENOVATION & ADDITION**

Issue: DRC      Date: 2022.01.18

PLANS

**A001**



# FITZHARRIS DESIGNS

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## FITZHARRIS RESIDENCE

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Arlington, VA 22207

RENOVATION & ADDITION

Issue: Date:

DRC 2022.01.18

PHOTOGRAPHS

A00PH

**BUILDING PLANNING**

- DESIGN CRITERIA SHALL BE:  
GROUND SNOW LOAD 25 PSF  
WIND SPEED 90 MPH (3 SECOND GUST)  
SEISMIC ZONE: Ss=19%g S1=7%g  
MAXIMUM RAIN FALL 3.2 IN/HR  
FROST LINE DEPTH 24"
- MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS  
ATTICS W/STORAGE 20 PSF  
ATTICS W/O STORAGE 10 PSF  
DECKS 40 PSF  
EXTERIOR BALCONIES 60 PSF  
PASSENGER VEHICLE GARAGES (GRADE) 50 PSF  
ROOMS OTHER THAN SLEEPING 40 PSF  
SLEEPING ROOMS 30 PSF

**GENERAL CODE & PLANNING NOTES – 2015 IRC**

- GLAZING SHALL BE TEMPERED ACCORDING TO IRC 2015 R308.4 HAZARDOUS LOCATIONS. INCLUDES BATHROOMS WHEN GLAZING IS LESS THAN 60" VERTICALLY FROM FLOOR, STAIRS WHEN GLAZING IS LESS THAN 60" VERTICALLY AND HORIZONTALLY FROM ANY TREADS, AND ANY WINDOW WHERE THE GLAZING IS LESS THAN 18" ABOVE FINISHED FLOOR AND GREATER THAN 9 SF PANE OF GLASS.
- BATHROOM MIN. CLEARANCES AT FIXTURES:  
- WATER CLOSET AT 15" FROM C.L. TO WALL/TUB, 4" SIDE CLEARANCE TO LAVATORIES, AND 21" IN FRONT.  
- SHOWER MINIMUM DIMENSION IS 30"x30" WITH 24" CLEARANCE IN FRONT.  
- SINKS REQUIRE 15" FROM DRAIN CENTERLINE TO SIDE WALLS.
- STAIR SHALL BE CONSTRUCTED PER VIRGINIA USBC. 8-1/4" MAXIMUM RISER HEIGHT AND 9" MINIMUM TREAD DEPTH. HANDRAIL 34"-38" HEIGHT MEASURED VERTICALLY FROM NOSING OF THE TREAD. 6"-8" MINIMUM HEADROOM. 36" MINIMUM WIDTH ABOVE RAIL; HANDRAIL MAY PROJECT 4.5" ON EITHER SIDE.
- SLEEPING ROOMS AND HABITABLE BASEMENTS SHALL BE PROVIDED MEANS OF EGRESS THROUGH SIZED WINDOW/DOOR W/SILL LESS THAN 44" A.F.F.
- WOOD PROTECTION: WOOD JOISTS CLOSER THAN 18" OR GIRDERS CLOSER THAN 12" TO GROUND, ALL WOOD WITHIN 6" OF GROUND, AND ALL WOOD IN CONTACT W/CONCRETE/CMU MUST BE P.T. FOR DECAY. IRC R319.
- PLUMBING FIXTURES TO COMPLY WITH CODES. 1.6 GPF TOILET. SHOWER TO HAVE PRESSURE BALANCE FAUCET MINIMUM OR THERMOSTATIC CONTROL.
- SMOKE ALARMS SHALL BE INSTALLED IN ALL SLEEPING ROOMS, IMMEDIATE VICINITY OUTSIDE SLEEPING ROOMS, AND EACH LEVEL. HARDWARE AND INTERCONNECT. ONE CARBON MONOXIDE DETECTOR PER FLOOR.
- A FIRST FLOOR BEDROOM AND BATHROOM SHALL HAVE 34" WIDE DOORS FOR UNIVERSAL DESIGN.

**GENERAL DEMOLITION NOTES**

- REMOVE WALLS, DOORS, FIXTURES, AND CABINETS AS NOTED. SAVE FOR REUSE PER OWNER DIRECTION, OR SAVE FOR DONATION. REMOVE FINISHES, FRAMING, ROOFING, PIPES, ETC AND RECYCLE WITH RECEIPT. PREPARE FOR NEW WALL FRAMING PER NEW DESIGN INTENT AND FINISHES.
- TEMPORARILY BRACE AND REINFORCE STRUCTURE AS REQUIRED. INSTALL NEW BEAMS AND POSTS FOR NEW DESIGN INTENT – SEE STRUCTURAL DRAWINGS.
- RELOCATE MECHANICAL DUCTS AND VENTS AS REQUIRED FOR NEW DESIGN INTENT.
- RELOCATE PLUMBING AS REQUIRED FOR NEW DESIGN.
- SALVAGE MATERIALS, APPLIANCE, FIXTURES ETC FOR REUSE, DONATION, OR RECYCLING WHERE APPLICABLE.

**GENERAL SPECIFICATIONS**

- NEW INTERIOR AND EXTERIOR WALLS SHALL BE 2X4 WOOD STUDS AT 24" O.C. UNLESS OTHERWISE NOTED OR TO ALIGN. WALL FINISHES SHALL ALIGN WITH ADJACENT FINISH.
- IN AREAS FOR NEW FLOORING; REMOVE EXISTING FLOORING IF APPLICABLE, LEVEL JOISTS AND INSTALL NEW 3/4" PLYWOOD T&G SUBFLOOR GLUED & SCREWED. SEE PLANS FOR AREAS WITH RADIANT HEAT AND COORDINATE SUBFLOOR.
- WOOD FLOORING SHALL HAVE SOLID HARDWOOD T&G 3/4" THICK BY SPECIFIED WIDTH AND SPECIES. VARIOUS LENGTHS (4' MIN IN MAIN AREA). FIELD FINISH W/STAIN (TBD) AND VOC FREE WATER-BASED POLYURETHANE.
- GYPSON BOARD SHALL BE 1/2" THICK AT WALLS AND 5/8" THICK AT CEILINGS.
- TUB AND SHOWER FLOORS & WALLS SHALL BE FINISHED W/A NONABSORBENT SURFACE AT LEAST 6' ABOVE THE FLOOR PER R307.2. DUROCK CEMENT BOARD OR SCHLUTER AT WET SHOWER/BATH AREAS. MOISTURE RESISTANT BOARD FOR MOIST/HUMID AREAS. TYPICAL.
- SHOWER FLOOR TO HAVE CUSTOM PAN & LINER FOR TILE FLOOR. RAISED CURB W/STONE THRESHOLD.
- EXTERIOR FRAMED WALLS SHALL HAVE SPECIFIED SHEATHING, TYVEK, AND SPECIFIED SIDING.
- SHEATHING NAILING PATTERN PER CODE FOR SHEAR STRENGTH AND ENGINEER'S SPECIFICATIONS.
- ROOF FRAMING AT 24" O.C., 5/8" PLYWOOD EXTERIOR ROOF SHEATHING WITH 1/8" GAPS & CLIPS. ROOF MATERIAL PER ELEVATION INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- ALL EXTERIOR TRIM SHALL BE 5/4 AZEK UNLESS NOTED OTHERWISE. FRY REGLET CORNERS AND REVEALS AS NOTED.
- PRIME ALL SIDES/ENDS & CUTS OF EXTERIOR SIDING & TRIM. TWO COATS OF PAINT OR STAIN. SHERWIN WILLIAMS IN HARMONY OR EQUAL (OWNER TO SPECIFICATION).
- ALL NEW INTERIOR CASING, MOULDINGS, BASE MOULD, PLINTH BLOCKS, ETC THROUGHOUT SHALL BE SOLID WOOD WITH PROFILES AS NOTED.

**INSULATION ENERGY CODE**

- PROVIDE INSULATION TO MEET THE MINIMAL R VALUE IN AREA OF NEW WORK, TYPICAL EXCEPT AS NOTED ON DRAWINGS. MINIMUM VALUES ARE VIRGINIA'S USBC ENERGY CODE FOR CLIMATE ZONE 4:  
R-38 MIN FOR ROOF.  
\*INSTALL R-49 WHERE SPACE ALLOWS.  
\*\*ZONE 4 REQUIRES MIN R-15 AIR-IMPERMEABLE INSULATION DIRECTLY AGAINST DECK FOR CONDENSATION IF UNVENTED.  
R-22 FOR EXTERIOR 2X6 WALLS  
R-15 FOR EXTERIOR 2X4 WALLS  
R-25 FOR FLOORS OVER UNCONDITION AIR  
R-11 UNFACED FOR INTERIOR WALLS  
R-30 AT BAND JOIST  
R-15 FOR STUD CAVITY AT BASEMENT WALL  
R-10 FOR CONTINUOUS AT BASEMENT WALL  
R-10 RIGID UNDER CONCRETE SLAB & B/W FTG
- SEE WINDOW SCHEDULE FOR U-FACTORS.
- SEE DRAWINGS FOR SPECIFICATION OF INSULATION TYPE: FORMALDEHYDE FREE BATT INSULATION, CELLULOSE, RIGID, ZIP-R SHEATHING, CLOSED CELL SPRAY FOAM FOR AIR-IMPERMEABLE INSULATION, ETC.

**FINISH SPECIFICATIONS**

- SEE FINISH SPECIFICATIONS ON PLANS.
- SEE ELEVATIONS FOR TRIM PROFILE AND LOCATIONS, SIDING, ROOF MATERIAL, ETC.
- SEE FINISH SCHEDULE FOR CERAMIC AND STONE TILE, COUNTERS, PRICE PER SF, AND ESTIMATED SF.

**FIXTURE SPECIFICATIONS**

- SEE FIXTURE SCHEDULE FOR PLUMBING, HARDWARE, & LIGHTING SPECIFICATIONS FOR MANUF/MODEL OR ALLOW.
- SEE FIXTURE SCHEDULE FOR ITEMS DESIGNATED AS PROVIDED BY OWNER VESRUS GC. ALL FIXTURES SHALL BE INSTALLED BY GC.

**ABBREVIATIONS AND SYMBOLS**

- U.O.N – UNLESS OTHERWISE NOTED
- TYP – TYPICAL
- O.C. – ON CENTER
- A.F.F – ABOVE FINISH FLOOR
- A.F.S – ABOVE FINISH SURFACE
- CMU – CONCRETE MASONRY UNIT
- W/ – WITH
- SPEC – SPECIFICATION
- MANF – MANUFACTURER
- GC – GENERAL CONTRACTOR
- DEMO – DEMOLITION OR DEMOLISH
- EX. – EXISTING

CL CENTERLINE

ALIGN FINISH SURFACES

5' CHANGE IN FINISH FLOOR ELEVATION

RETURN AIR VENT AT WALL

MECHANICAL DUCT

THERMOSTAT

HOSEBIB – FROST PROOF W/QUICK SHUT OFF

SMOKE AND CARBON MONOXIDE DETECTOR W/ALARM

SM/CM

ROOF SLOPE

12

DN → STAIR DIRECTION OR SLOPE ON ROOF PLAN

CENTER LINE. ALIGN CENTER W/OTHER OBJECT

OVERHEAD CONDITION OR DEMOLITION

3680 DOOR SIZE IN INCHES. 36" WIDE X 80" HIGH

A WINDOW OR EXTERIOR DOOR SYMBOL

2 BUILDING OR WALL SECTION CUT SYMBOL

2 INTERIOR ELEVATION SYMBOL

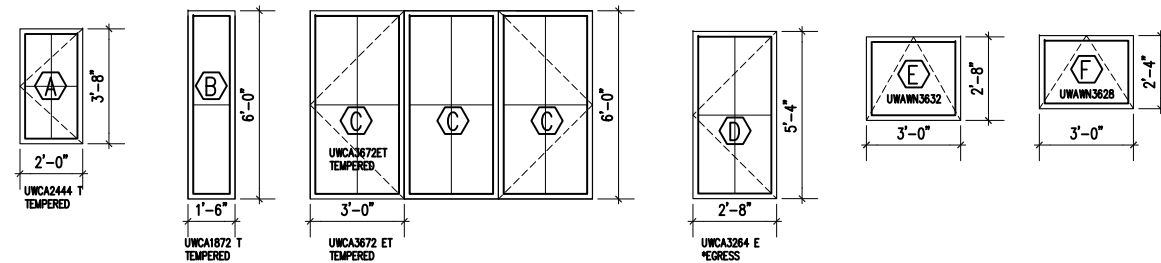
**EXTERIOR WINDOW & DOOR SCHEDULE**

	QUANTITY
ALL NEW WINDOWS AND PATIO DOORS SHALL BE WOOD WINDOWS. PRICE MARVIN ULTIMATE PINE WOOD INTERIORS (NATURAL WOOD AND FIELD CLEAR COATED) AND PRIMED EXTERIOR. LOW E DOUBLE GLAZING. U-VALUE .35 OR BETTER. SCREENS ON ALL OPERABLE UNITS. SIMULATED DIVIDED LITE (SDL) MUNTIN BARS AS SHOWN. HARDWARE FINISH TO BE OIL RUBBED BRONZE THROUGHOUT BUT FINALIZE WITH OWNERS. SELECT WINDOWS AND ALL GLASS DOORS ARE TEMPERED SAFETY GLAZING – SEE ELEVATIONS AND PLANS FOR LOCATIONS.	
A WINDOW TYPE PER DIAGRAM AND GENERAL SPECIFICATIONS.	
P1 FRENCH SLIDING GLASS DOOR WITH MULTI-POINT LOCK. SLIDING DOORS. MATCHING MANUFACTURER TO WINDOWS. HARDWARE FROM MAUFACTURER AS NORTHFIELD. FINALIZE FINISH. TEMPERED GLASS.	

\*WINDOWS IN MASONRY SHALL HAVE BRICKMOULD.  
\*\*GLAZING SHALL BE TEMPERED ACCORDING TO IRC R308.4 HAZARDOUS LOCATIONS. INCLUDES WINDOWS IN BATHROOM WHEN GLAZING IS LESS THAN 60" VERTICALLY FROM FLOOR, STAIRS WHEN GLAZING IS LESS THAN 60" VERTICALLY AND HORIZONTALLY FROM ANY TREADS, WITHIN 24" OF DOOR ARC, AND ANY WINDOW WHERE THE GLAZING IS LESS THAN 18" A.F.F. AND TOP EDGE IS MORE THEN 36" A.F.F. AND GREATER THAN 9 SF PANE OF GLASS AND WALKING SURFACE WITHIN 36".

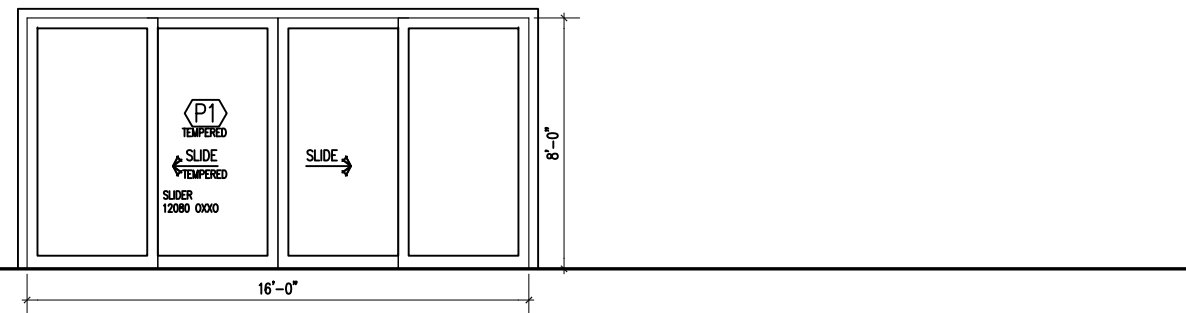
**NEW WINDOWS**

DIMENSIONS NOTED ARE UNIT FRAME SIZE. SEE MANUFACTURER FOR ROUGH OPENING SIZE. SEE SCHEDULE FOR MODEL NUMBERS AND DETAILS.  
\*\*SEE ELEVATIONS & PLANS FOR LOCATION REQUIRING TEMPERED SAFETY GLAZING.



**NEW DOORS**

DIMENSIONS NOTED ARE UNIT FRAME SIZE. SEE MANUFACTURER FOR ROUGH OPENING SIZE. SEE SCHEDULE FOR MODEL NUMBERS AND DETAILS. \*SEE ELEVATIONS & PLANS FOR LOCATION REQUIRING TEMPERED SAFETY GLAZING.



**FITZHARRIS  
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**FITZHARRIS RESIDENCE**

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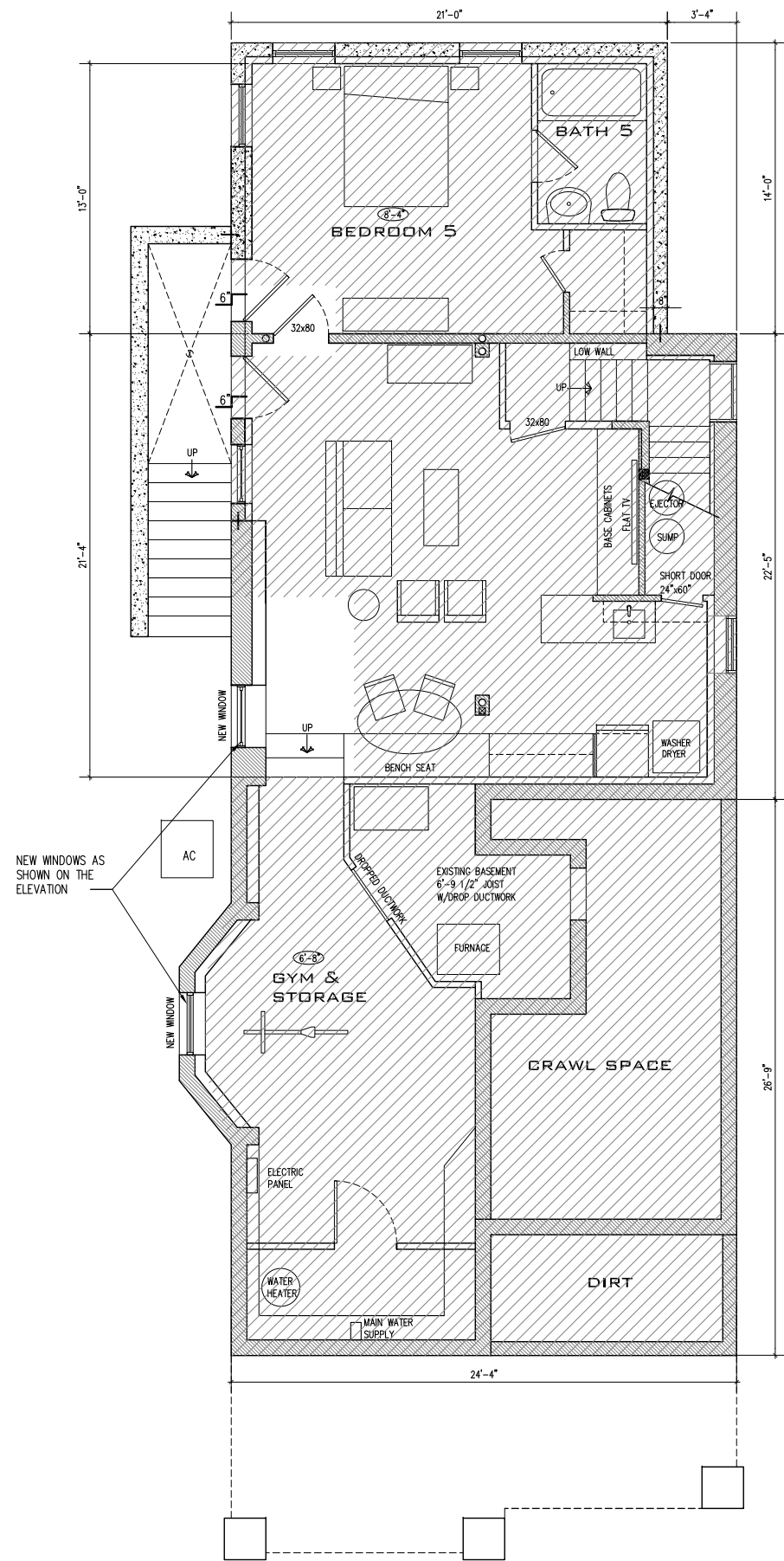
Arlington, VA 22207

RENOVATION & ADDITION

Issue: DRC Date: 2022.01.18

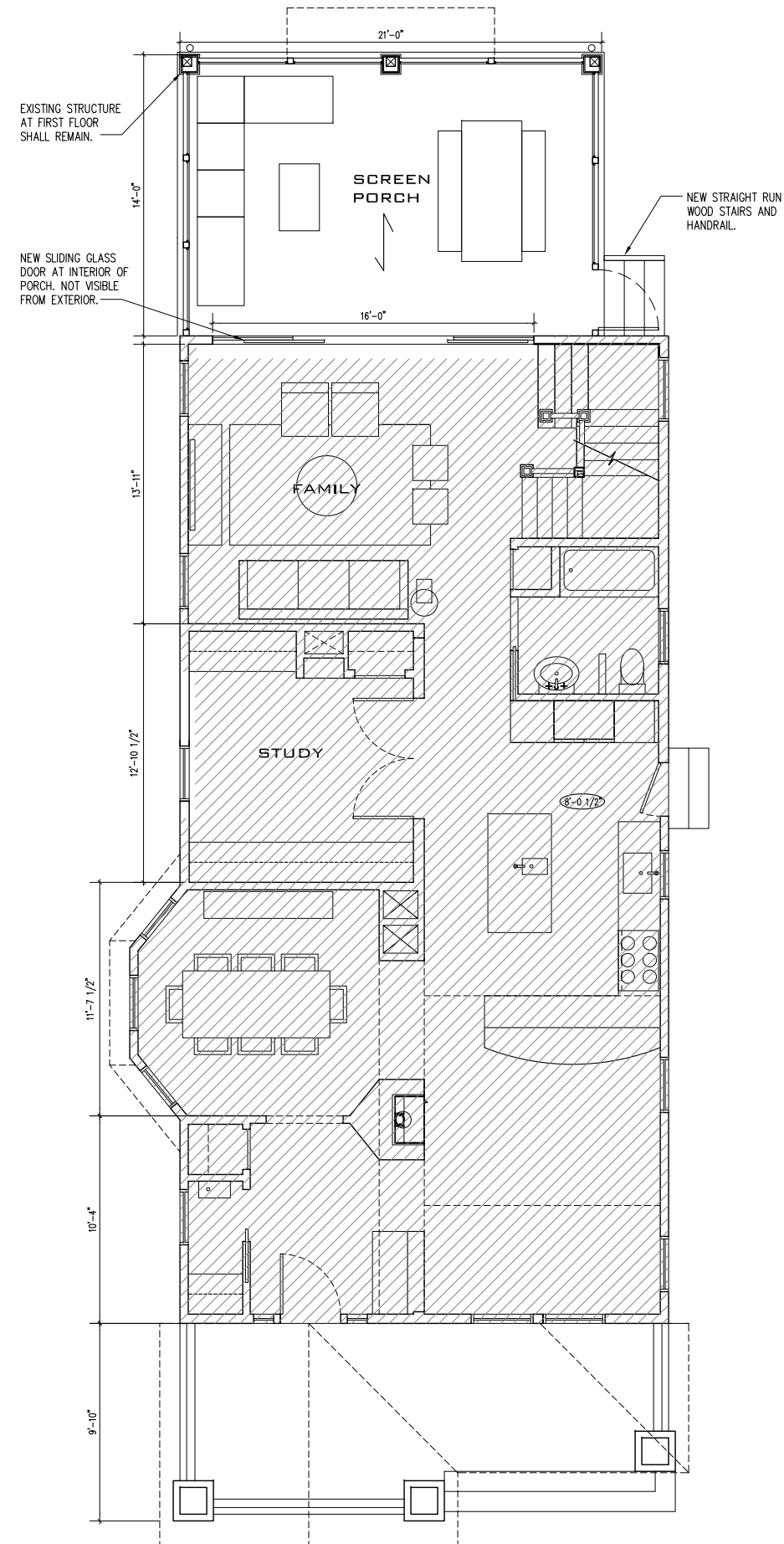
SCHEDULE

A003



**NEW BASEMENT FLOOR PLAN**

Scale: 1/8" = 1'-0"



**NEW FIRST FLOOR PLAN**

Scale: 1/8" = 1'-0"



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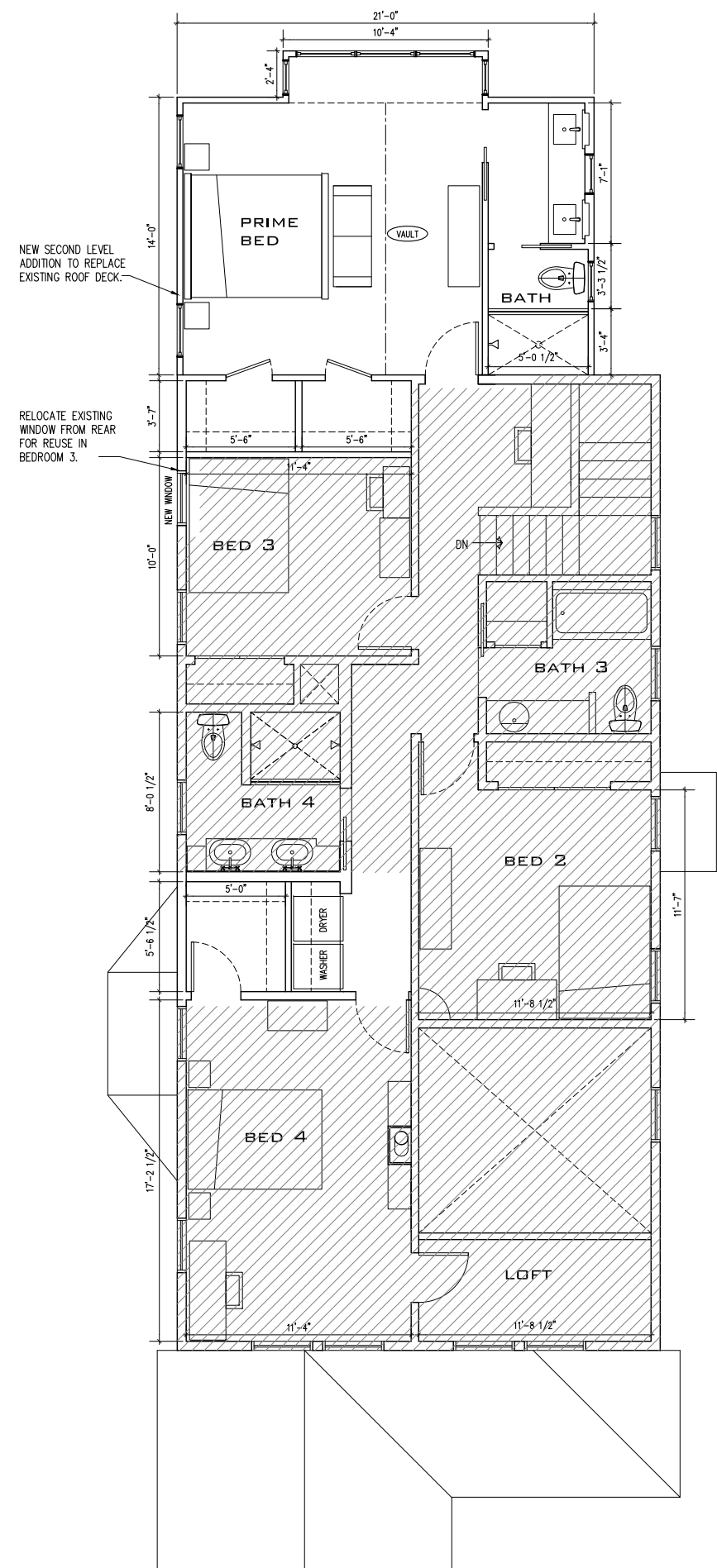
Arlington, VA 22207

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Issue:            Date:  
DRC                2022.01.18

PLANS

**A101**

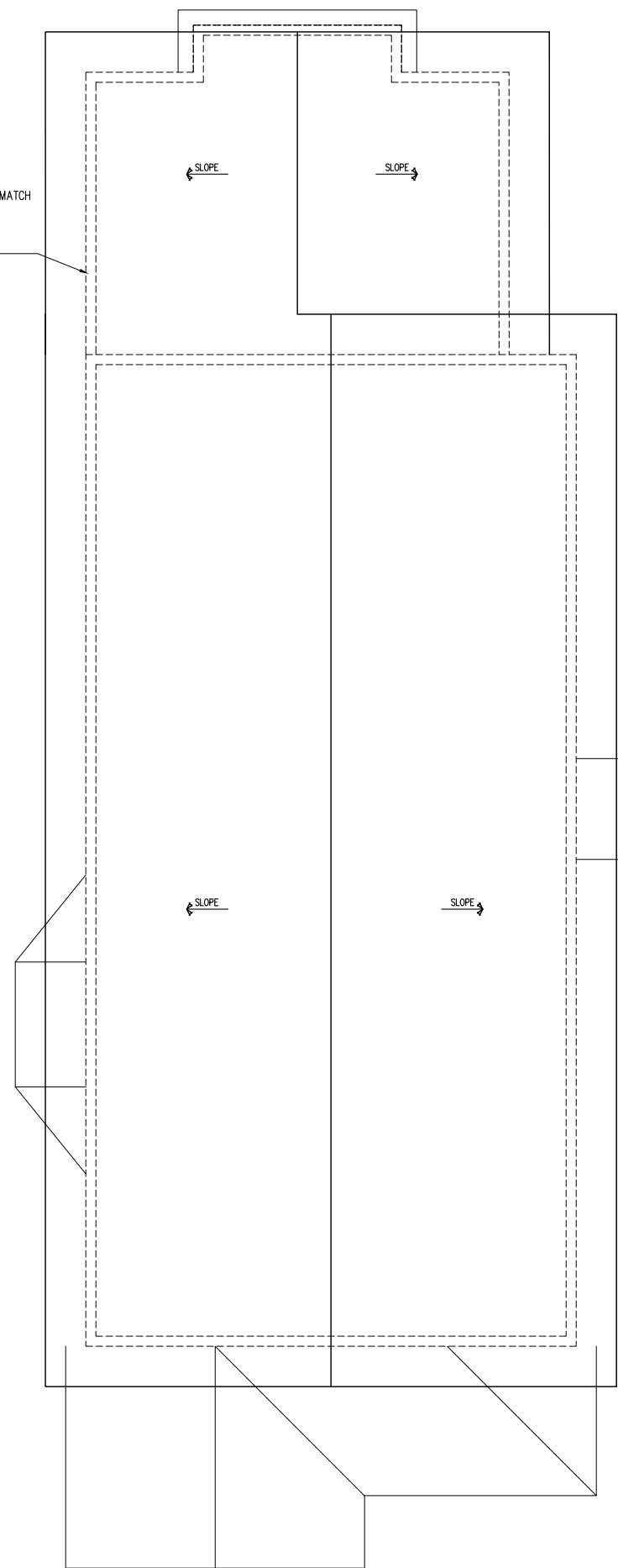


**NEW SECOND FLOOR PLAN**

Scale: 1/8" = 1'-0"



NEW ROOF TO MATCH EXISTING ROOF LANDMARK CERTAINTEED SHINGLES.



**NEW ROOF PLAN**

Scale: 1/8" = 1'-0"



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PLANS

**A102**



**EXISTING SOUTH FRONT ELEVATION**

Scale: 1/8" = 1'-0"



**EXISTING EAST SIDE ELEVATION**

Scale: 1/8" = 1'-0"

**FITZHARRIS RESIDENCE**

3623 North 21st Avenue  
Arlington, VA 22207

**RENOVATION & ADDITION**

Issue: DRC      Date: 2022.01.18

ELEVATIONS

**A201**

**FITZHARRIS  
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**EXISTING NORTH REAR ELEVATION**

Scale: 1/8" = 1'-0"



**EXISTING WEST SIDE ELEVATION**

Scale: 1/8" = 1'-0"

**FITZHARRIS RESIDENCE**

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Arlington, VA 22207

RENOVATION & ADDITION

Issue: DRC      Date: 2022.01.18

ELEVATIONS

**A202**



**NEW SOUTH FRONT ELEVATION**

Scale: 1/8" = 1'-0"



**NEW EAST SIDE ELEVATION**

Scale: 1/8" = 1'-0"

**FITZHARRIS RESIDENCE**

3623 North 21st Avenue  
Arlington, VA 22207

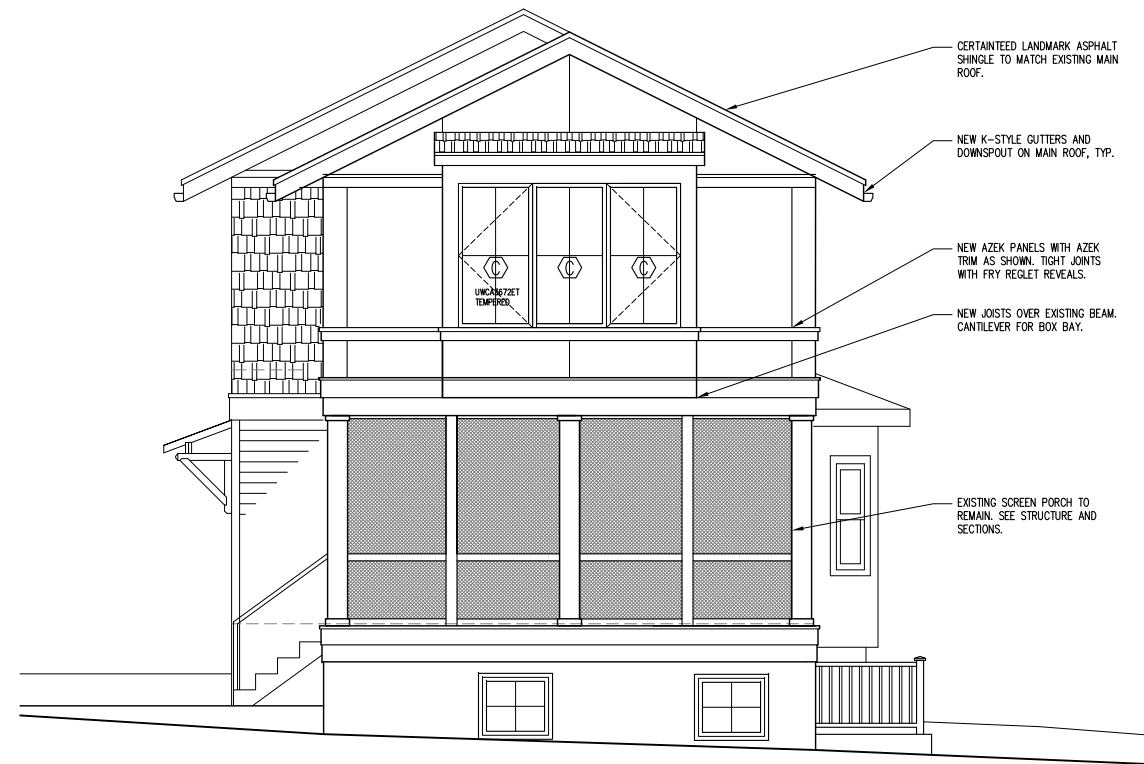
RENOVATION & ADDITION

Issue: DRC      Date: 2022.01.18

ELEVATIONS

**A203**





**NEW NORTH REAR ELEVATION**

Scale: 1/8" = 1'-0"



**NEW WEST SIDE ELEVATION**

Scale: 1/8" = 1'-0"

**FITZHARRIS RESIDENCE**

3623 North 21st Avenue

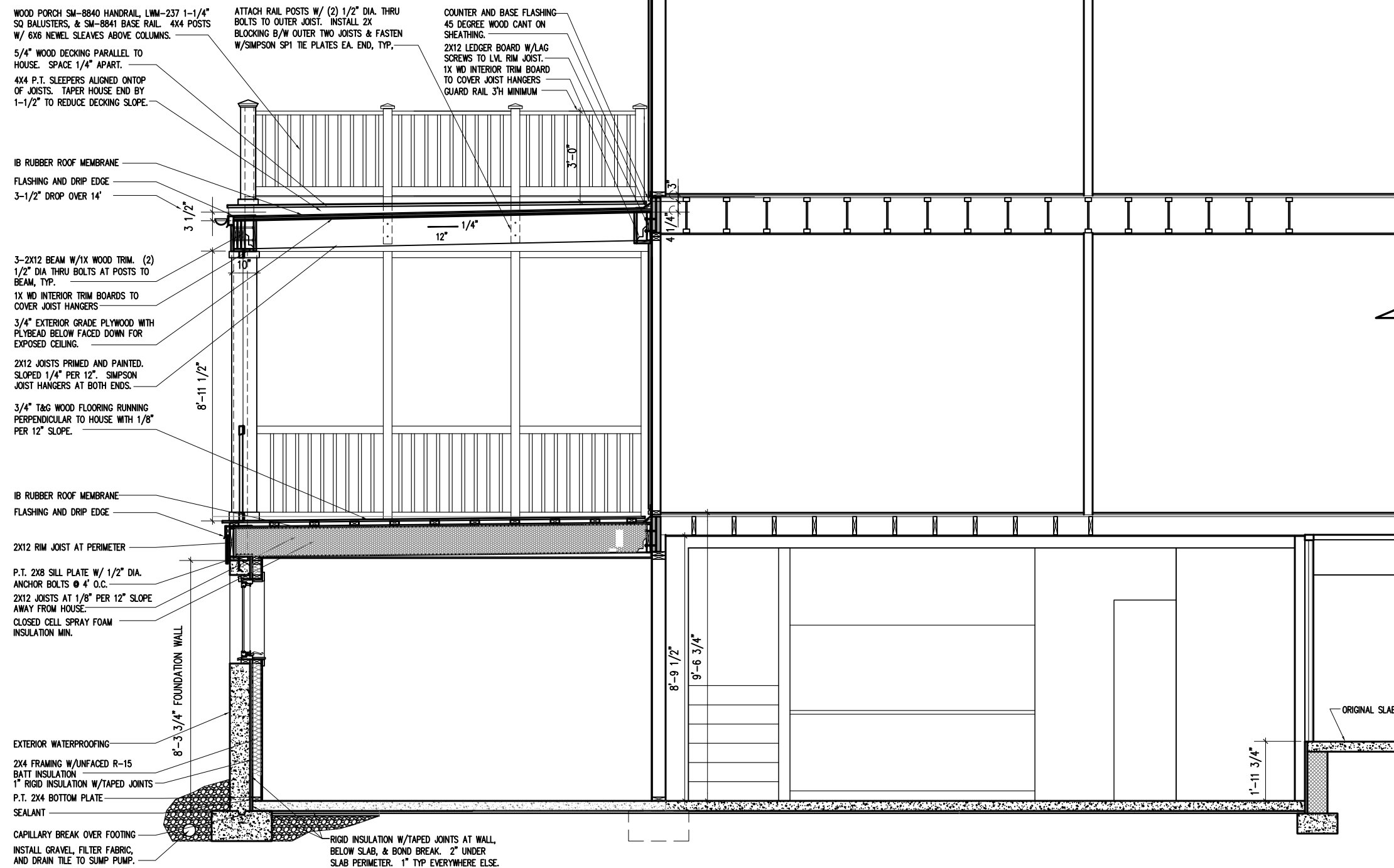
Arlington, VA 22207

RENOVATION & ADDITION

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Date: 2022.01.18

ELEVATIONS

**A204**



**EXISTING SECTION**

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

**FITZHARRIS RESIDENCE**

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Arlington, VA 22207

RENOVATION & ADDITION

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SECTION

**A205**

CLOSED CELL SPRAY FOAM  
INSULATION 11.25" THICK.

NEW 9 1/4" TJI CANTILEVER OVER  
EXISTING BEAM.

EX. 3-2X12 BEAM W/1X WOOD TRIM.  
(2) 1/2" DIA THRU BOLTS AT POSTS  
TO BEAM, TYP.

CLOSED CELL SPRAY FOAM  
INSULATION 9" THICK.

NEW T&G WOOD CEILING.

3/4" T&G IPE WOOD FLOORING.  
EXISTING TO REMAIN.

2X4 P.T. SLEEPERS. 90LB MINERAL  
ROOFING STRIPS UNDER EACH  
SLEEPER TO PROTECT MEMBRANE

FOUR-PLY ROOF MEMBRANE ON 3/4"  
EXTERIOR GRADE PLYWOOD  
FLASHING AND DRIP EDGE

2X12 RIM JOIST AT PERIMETER

P.T. 2X8 SILL PLATE W/ 1/2" DIA.  
ANCHOR BOLTS @ 4' O.C.

2X12 JOISTS AT 1/8" PER 12" SLOPE  
AWAY FROM HOUSE.

CLOSED CELL SPRAY FOAM  
INSULATION MIN.

8'-3 3/4" FOUNDATION WALL

8'-1 1/4"

8'-9 1/2"

9'-6 3/4"

ORIGINAL SLAB

8'-5"

6'-0"

1'-10"

10"

8'-11 1/2"

8'-0"

**NEW SECTION**

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

**FITZHARRIS RESIDENCE**

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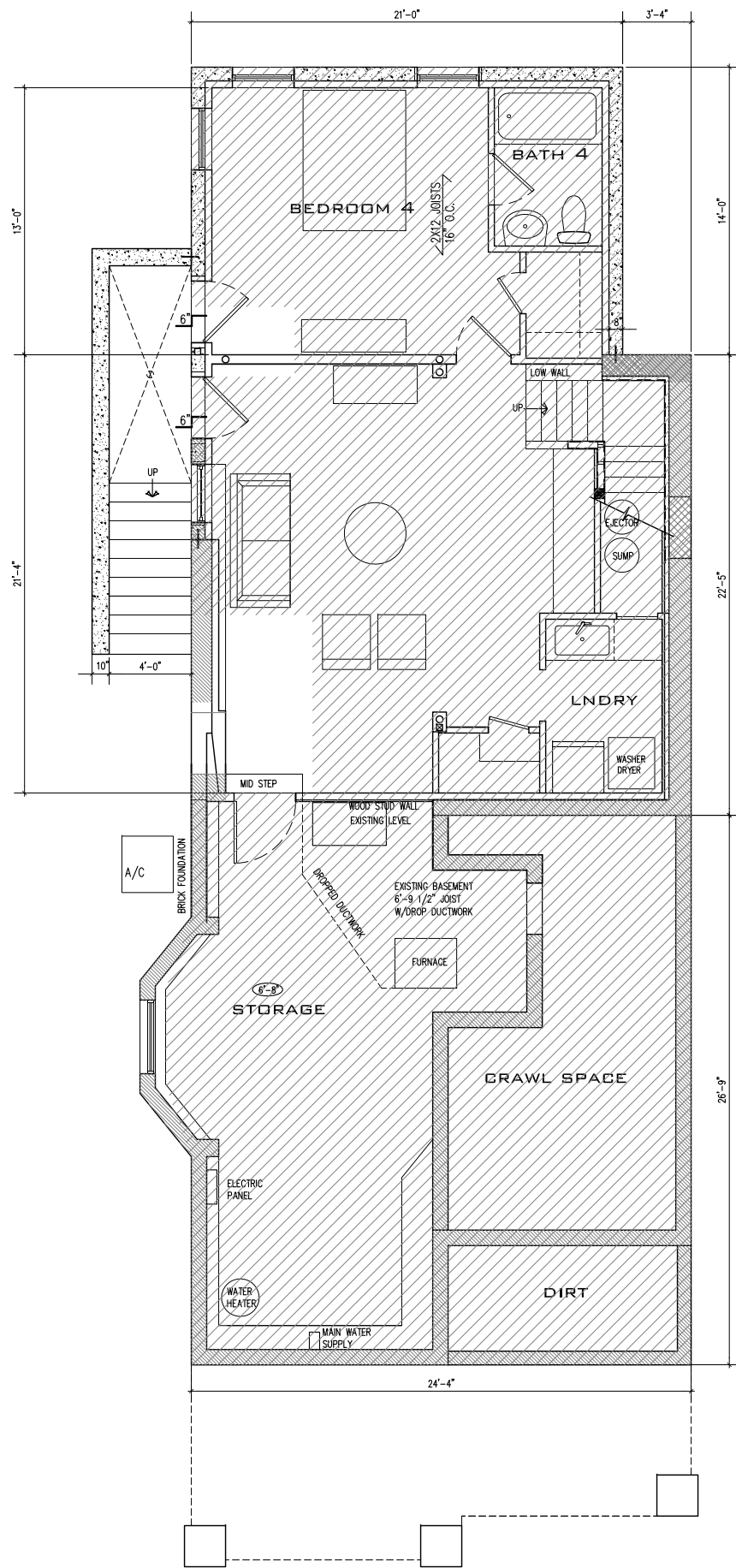
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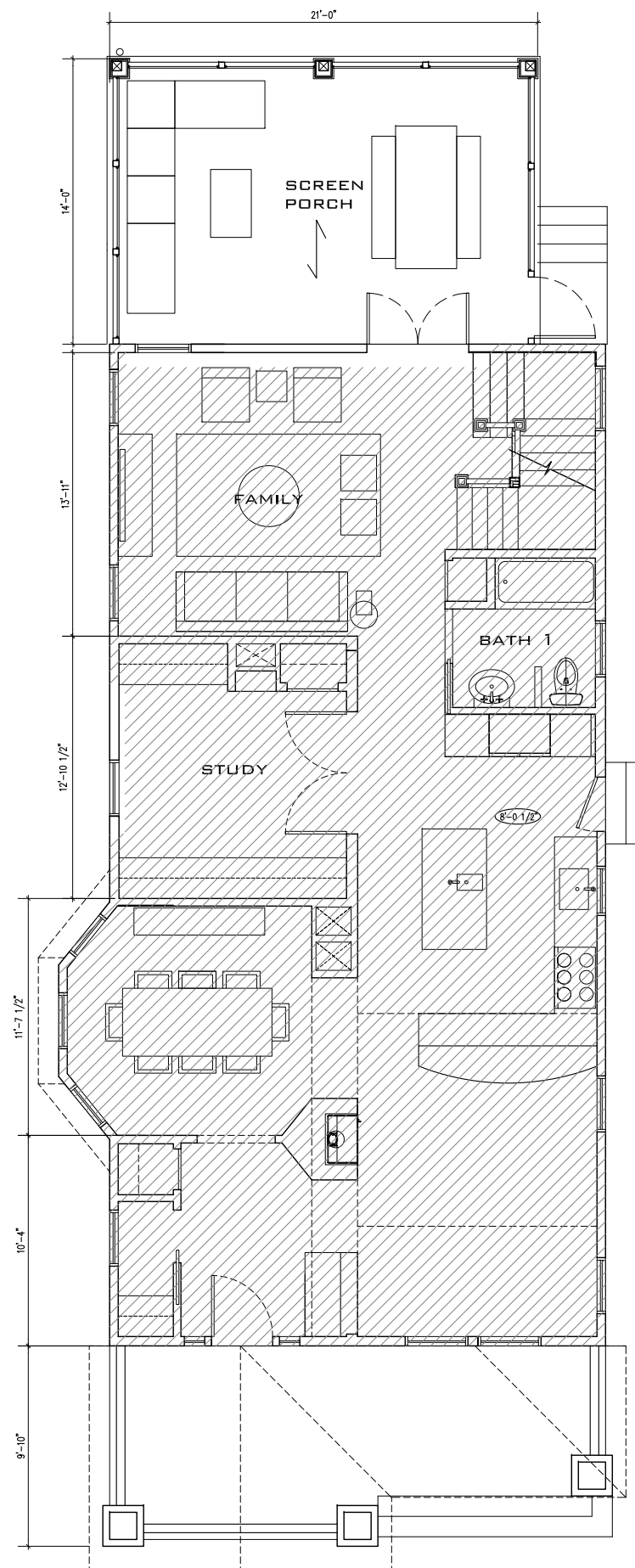
SECTION

**A206**



**EXISTING BASEMENT FLOOR PLAN**

Scale: 1/8" = 1'-0"



**EXISTING FIRST FLOOR PLAN**

Scale: 1/8" = 1'-0"



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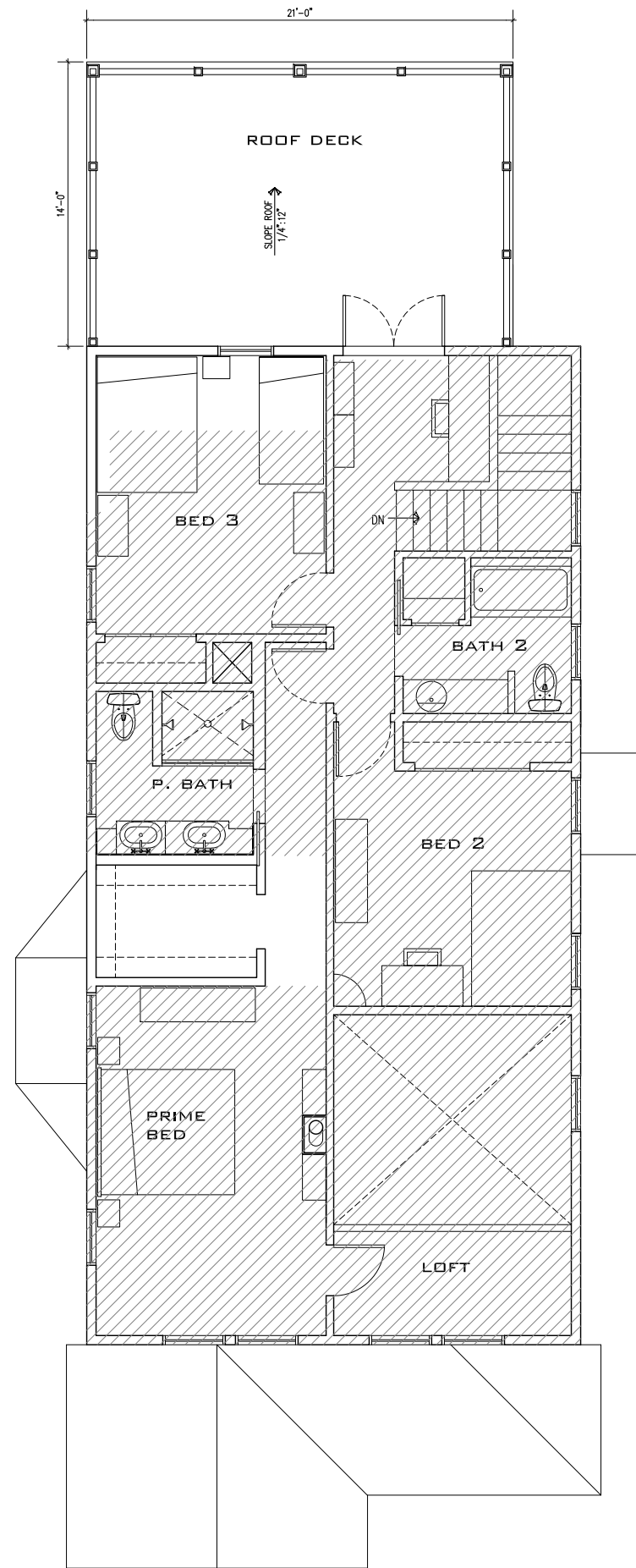
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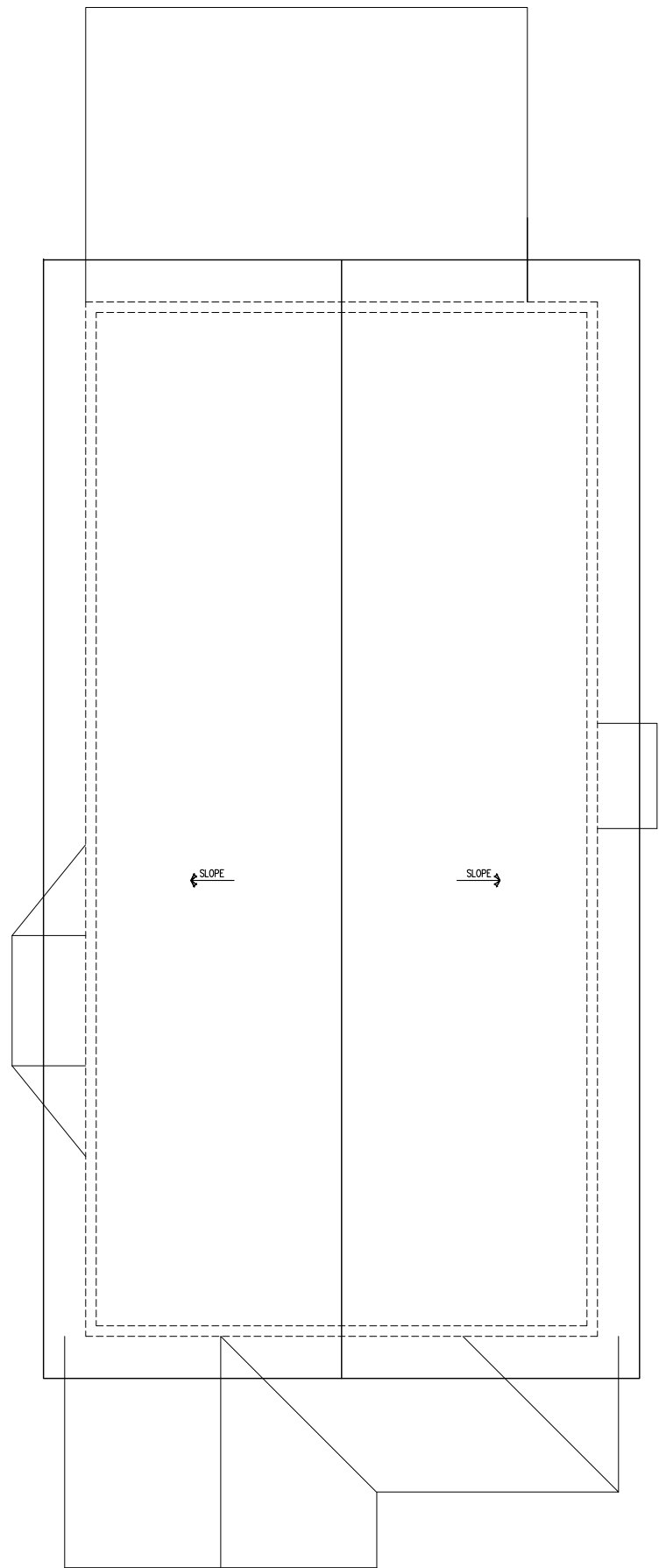
PLANS

**AD101**



**EXISTING SECOND FLOOR PLAN**

Scale: 1/8" = 1'-0"



**EXISTING ROOF PLAN**

Scale: 1/8" = 1'-0"



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PLANS

**AD102**



**EASE AND EFFICIENCY IN WIDE APPLICATION**

Save time and money on installation on applications over 16' wide. Conveniently cover an area with a single sheet instead of installing multiple trim boards. Use for bay windows, dormers and raised panels. AZEK Sheets leave the constant maintenance of wood behind with the same high-quality and lasting performance of AZEK Trim. AZEK Sheets resist moisture and insect damage. They will not cup, rot, or split and keep a like-new appearance that withstands the tests of time and weather.

Enjoy the beauty and benefits of AZEK Sheets:

- Cover a wide area with a single piece
- Stands up to harsh weather
- Resists stains, scratches and fading
- Resists mold, mildew and moisture damage
- No cupping, rotting or splitting
- Suitable for ground contact applications
- UV protection inside and out
- Does not require paint for protection but easily accepts paint
- Same color, look, feel and durability as AZEK Trim
- Covered by a lifetime limited warranty

**DOWNLOAD BIM/REVIT**

Share:



Shown: Traditional

Finish Options

TRADITIONAL

PREMIER



**SIZING**

TRADITIONAL SHEET

ACTUAL	8'	10'	12'	18'	20'
3/8" x 4"	•	•	•	•	
1/2" x 4"	•	•	•	•	
5/8" x 4"	•	•	•	•	
3/4" x 4"	•	•	•	•	
1" x 4"	•	•	•	•	•

\*3/8" and 1/2" sheets are not intended to be cut into trim pieces. These profiles must be glued to a substrate and mechanically fastened. Contact an AZEK Sales Rep with questions.

# CertainTeed

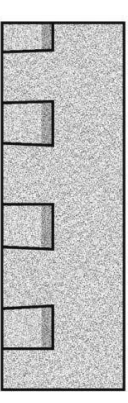
SAINT-GOBAIN

# Technical Data Sheet

**Landmark®, Landmark® Premium, Landmark® Pro Shingles, Landmark® Pro/Architect 80 (NW Region Only) Shingles**

**PRODUCT INFORMATION**

Landmark shingles reflect the same high manufacturing standards and superior warranty protection as the rest of CertainTeed's line of roofing products. Landmark Premium (and Algae Resistant-AR), Landmark PRO (and AR) and Landmark (and AR) are built with the industry's toughest fiber glass mat base, and their strict dimensional tolerance assures consistency. Complex granule color blends and subtle shadow lines produce a distinctive color selection. Landmark is produced with the unique NailTrak® nailing feature. **Please see the installation instruction section below for important information regarding NailTrak.**



In the Northwest Region Landmark PRO (AR) is double-branded as Landmark PRO/Architect 80 (AR).

Landmark algae-resistant (AR) shingles are algae-resistant and help protect against dark or black discoloration, sometimes called staining or streaking, caused by blue-green algae. AR shingles are not available in all regions.

**Colors:** Please refer to the product brochure or CertainTeed website for the colors available in your region.

**Limitations:** Use on roofs with slopes greater than 2" per foot. Low-slope applications (2:12 to < 4:12) require additional underlayment. In areas where icing along eaves can cause the back-up of water, apply CertainTeed WinterGuard® Waterproofing Shingle Underlayment, or its equivalent, according to application instructions provided with the product and on the shingle package.

**Product Composition:** Landmark Series shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. Two pieces of the shingle are firmly laminated together in a special, tough asphaltic cement. All Landmark shingles have self-sealing adhesive strips.

**Applicable Standards**

- |                                    |                                     |
|------------------------------------|-------------------------------------|
| ASTM D3018 Type I                  | ICC-ES ESR-1389 and ESR-3537        |
| ASTM D3462                         | CSA Standard A123.5 (Regional)      |
| ASTM E108 Class A Fire Resistance  | Miami-Dade Product Control Approved |
| ASTM D3161 Class F Wind Resistance | Florida Product Approval # FL5444   |
| ASTM D7158 Class H Wind Resistance | Meets TDI Windstorm Requirements    |
| UL 790 Class A Fire Resistance     |                                     |

**Technical Data:**

	Landmark (and AR)	Landmark PRO* (and AR)	Landmark Premium (and AR)
Weight/Square (approx.)	219 to 238 lb **	240 to 267 lb **	300 lb
Dimensions (overall)	13 1/4" x 38 3/4"	13 1/4" x 38 3/4"	13 1/4" x 38 3/4"
Shingles/Square (approx.)	66	66	66
Weather Exposure	5 5/8"	5 5/8"	5 5/8"

\*Includes Landmark PRO AR/Architect 80  
 \*\*Dependent on manufacturing location

**WOOD CASEMENT / WOOD CASEMENT PUSH OUT**

MO (mm)	1 - 7 5/8 (498)	1 - 9 5/8 (549)	1 - 11 5/8 (600)	2 - 3 5/8 (702)	2 - 5 5/8 (752)	2 - 7 5/8 (803)	2 - 9 5/8 (854)	2 - 11 5/8 (905)	3 - 3 5/8 (1006)	3 - 7 5/8 (1108)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
FS (mm)	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)	3 - 0 (914)	3 - 4 (1016)
DLO (mm)	0 - 10 3/16 (259)	1 - 0 3/16 (310)	1 - 2 3/16 (360)	1 - 6 3/16 (462)	1 - 8 3/16 (513)	1 - 10 3/16 (564)	2 - 0 3/16 (614)	2 - 2 3/16 (665)	2 - 6 3/16 (767)	2 - 10 3/16 (868)
6 - 1 7/8 (1878)										
6 - 9/16 (1843)										
6 - 11/16 (1830)										
5 - 5 21/64 (1659)										
6 - 7 7/8 (2029)										
6 - 6 9/16 (1995)										
6 - 6 1/16 (1983)										
5 - 1 21/64 (1812)										
7 - 1 7/8 (2181)										
7 - 9/16 (2148)										
7 - 1/16 (2135)										
6 - 5 21/64 (1964)										
7 - 9 7/8 (2384)										
7 - 8 9/16 (2351)										
7 - 8 1/16 (2338)										
7 - 1 21/64 (2167)										
8 - 1 7/8 (2486)										
8 - 9/16 (2453)										
8 - 1/16 (2440)										
7 - 5 21/64 (2269)										

**WOOD CASEMENT / WOOD CASEMENT PUSH OUT**

MO (mm)	1 - 7 5/8 (498)	1 - 9 5/8 (549)	1 - 11 5/8 (600)	2 - 3 5/8 (702)	2 - 5 5/8 (752)	2 - 7 5/8 (803)	2 - 9 5/8 (854)	2 - 11 5/8 (905)	3 - 3 5/8 (1006)	3 - 7 5/8 (1108)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
FS (mm)	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)	3 - 0 (914)	3 - 4 (1016)
DLO (mm)	0 - 10 3/16 (259)	1 - 0 3/16 (310)	1 - 2 3/16 (360)	1 - 6 3/16 (462)	1 - 8 3/16 (513)	1 - 10 3/16 (564)	2 - 0 3/16 (614)	2 - 2 3/16 (665)	2 - 6 3/16 (767)	2 - 10 3/16 (868)
3 - 5 7/8 (1064)										
3 - 4 9/16 (1030)										
3 - 4 1/16 (1018)										
2 - 9 21/64 (847)										
3 - 9 7/8 (1165)										
3 - 8 9/16 (1132)										
3 - 8 1/16 (1119)										
3 - 1 21/64 (848)										
4 - 1 7/8 (1267)										
4 - 9/16 (1233)										
4 - 1/16 (1221)										
3 - 5 21/64 (1050)										
4 - 7 7/8 (1419)										
4 - 6 9/16 (1386)										
4 - 6 1/16 (1373)										
3 - 11 21/64 (1202)										
4 - 9 7/8 (1470)										
4 - 8 9/16 (1437)										
4 - 8 1/16 (1424)										
4 - 1 21/64 (1253)										
5 - 1 7/8 (1572)										
5 - 9/16 (1538)										
5 - 1/16 (1526)										
4 - 5 21/64 (1355)										
5 - 5 7/8 (1673)										
5 - 4 9/16 (1640)										
5 - 4 1/16 (1627)										
4 - 9 21/64 (1456)										

Details and Elevations not to scale.

- Marvin exclusive wash mode is not available on Ultimate Awnings, Ultimate Casement Round Tops or Ultimate Casement Windows less than 20" in width.
- For units with a tall bottom rail, reduce the DLO height by 1 1/2".

E These windows meet national Egress codes for fire evacuation. Local codes may differ.

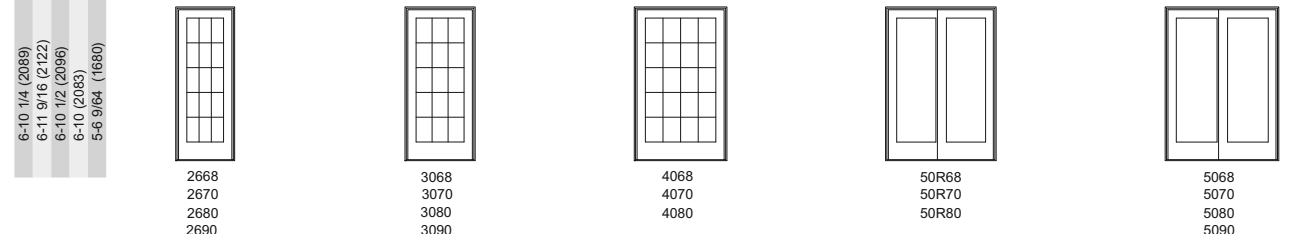
T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/16" or larger and units with a frame size of 25.2 ft² and larger.

Please consult your local Marvin representative for more information. For further details and drawings visit the 'Tools and Documents' section at Marvin.com.

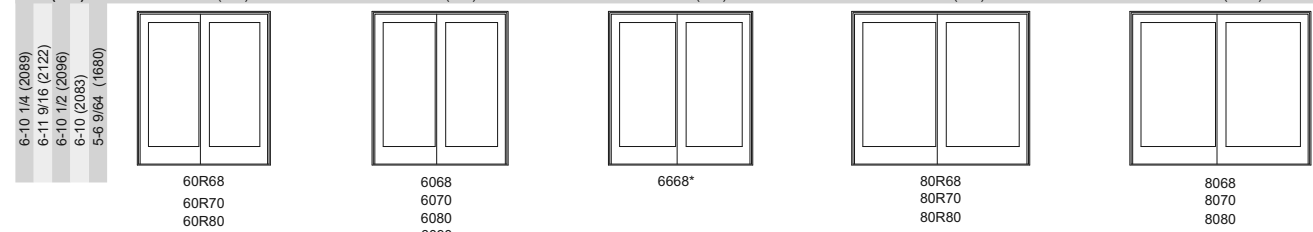
# WOOD SLIDING FRENCH DOOR

6-8 HEIGHT (7-0, 8-0 AND 9-0 HEIGHT SEE BELOW)

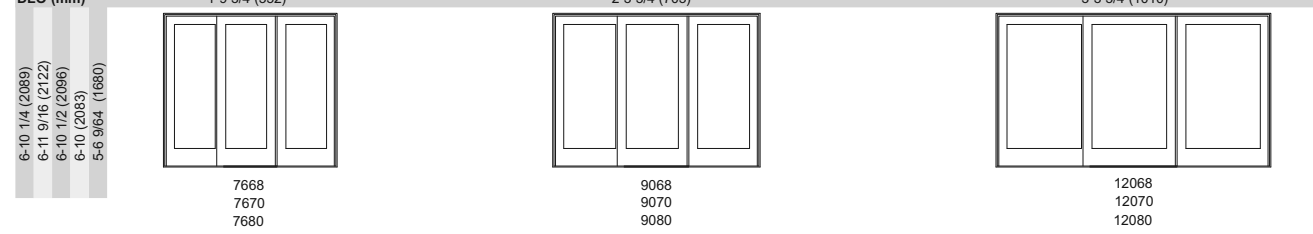
<b>Clad MO (mm)</b>	2-7 15/16 (811)	3-1 15/16 (964)	4-1 15/16 (1268)	4-11 1/2 (1511)	5-1 1/8 (1553)
<b>Wood MO (mm)</b>	2-10 9/16 (878)	3-4 9/16 (1030)	4-4 9/16 (1335)	5-2 1/8 (1578)	5-3 3/4 (1619)
<b>RO (mm)</b>	2-8 7/16 (824)	3-2 7/16 (976)	4-2 7/16 (1281)	5-0 (1524)	5-1 5/8 (1565)
<b>FS (mm)</b>	2-7 7/16 (799)	3-1 7/16 (951)	4-1 7/16 (1256)	4-11 (1499)	5-0 5/8 (1540)
<b>DLO (mm)</b>	1-7 19/32 (498)	2-1 19/32 (650)	3-1 19/32 (955)	1-8 15/16 (832)	1-9 3/4 (552)



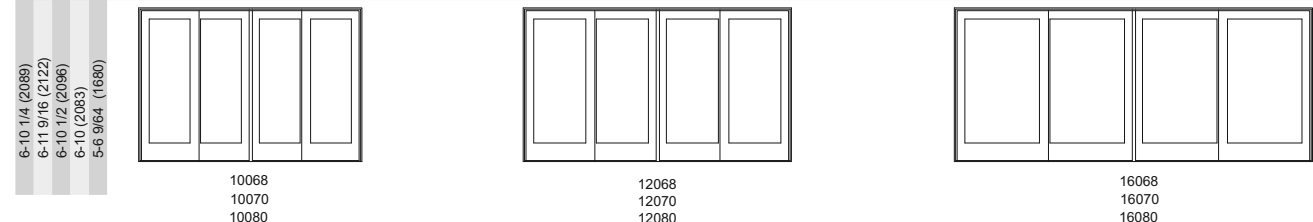
<b>Clad MO (mm)</b>	5-11 1/2 (1816)	6-1 1/8 (1857)	6-5 1/2 (1969)	7-11 1/2 (2426)	8-1 1/8 (2467)
<b>Wood MO (mm)</b>	6-2 1/8 (1883)	6-3 3/4 (1924)	N/A	8-2 1/8 (2492)	8-3 3/4 (2534)
<b>RO (mm)</b>	6-0 (1829)	6-1 5/8 (1870)	6-6 (1981)	8-0 (2438)	8-1 5/8 (2480)
<b>FS (mm)</b>	5-11 (1803)	6-0 5/8 (1845)	6-5 (1956)	7-11 (2413)	8-0 5/8 (2454)
<b>DLO (mm)</b>	2-2 15/16 (684)	2-3 3/4 (705)	2-5 15/16 (760)	3-2 15/16 (989)	3-3 3/4 (1010)



<b>Clad MO (mm)</b>	7-9 1/4 (2368)	9-3 1/4 (2825)	12-3 1/4 (3739)
<b>Wood MO (mm)</b>	7-11 7/8 (2434)	9-5 7/8 (2892)	12-5 7/8 (3806)
<b>RO (mm)</b>	7-9 3/4 (2380)	9-3 3/4 (2838)	12-3 3/4 (3852)
<b>FS (mm)</b>	7-8 3/4 (2355)	9-2 3/4 (2813)	12-2 3/4 (3727)
<b>DLO (mm)</b>	1-9 3/4 (552)	2-3 3/4 (705)	3-3 3/4 (1010)



<b>Clad MO (mm)</b>	9-11 1/2 (3035)	11-11 1/2 (3645)	15-11 1/2 (4864)
<b>Wood MO (mm)</b>	10-2 1/8 (3102)	12-2 1/8 (3712)	16-2 1/8 (4931)
<b>RO (mm)</b>	10-0 (3048)	12-0 (3658)	16-0 (4877)
<b>FS (mm)</b>	9-11 (3023)	11-11 (3632)	15-11 (4851)
<b>DLO (mm)</b>	1-9 3/4 (552)	2-3 3/4 (705)	3-3 3/4 (1010)



Details and Elevations not to scale.  
 O: STATIONARY X: OPERATING L: LEFT HAND R: RIGHT HAND  
 R = Retro Size  
 \* Clad Only

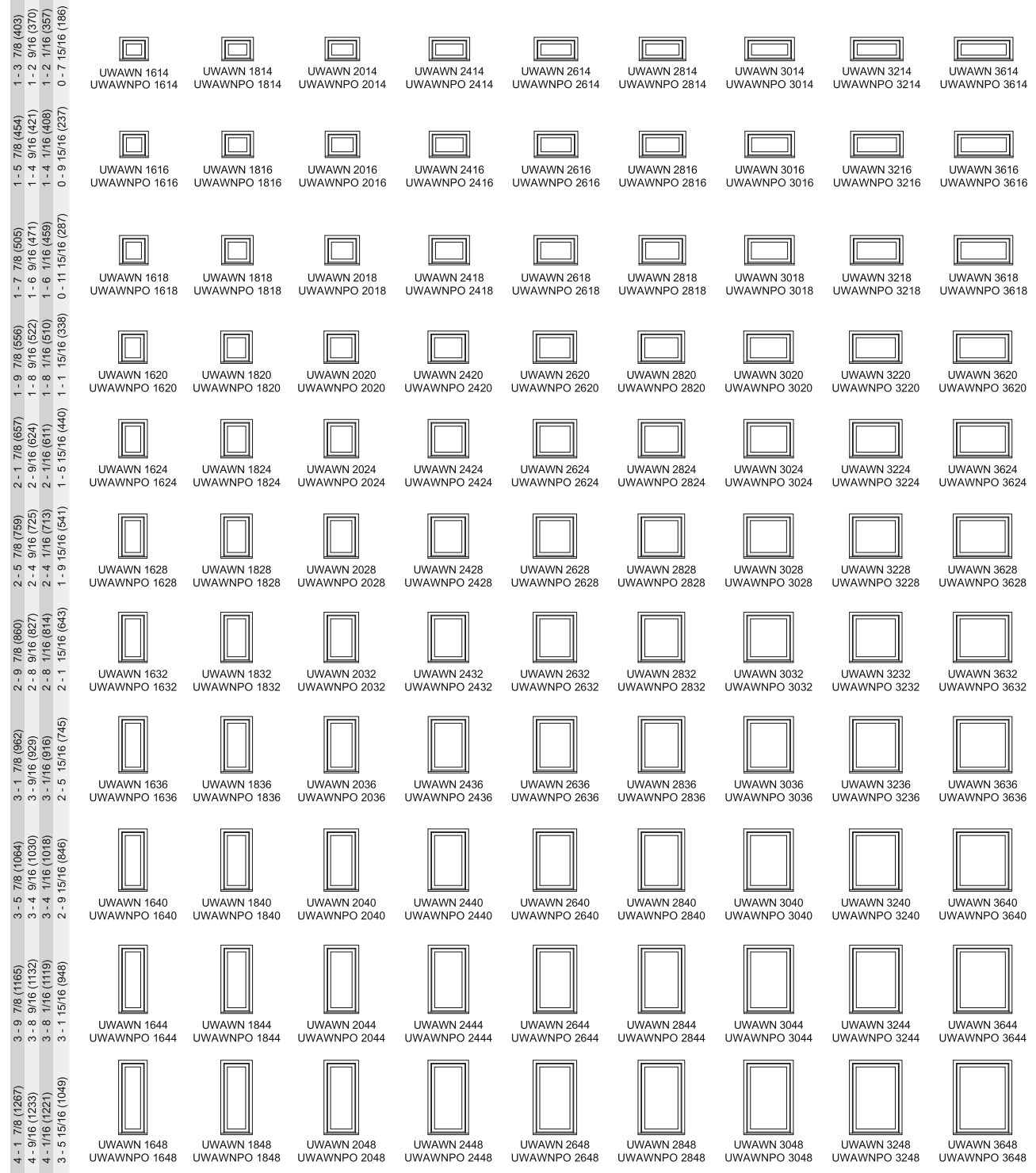
- Lite patterns shown are for standard, SDL and ADL in 6-6 and 6-8 heights. The standard lite pattern for 8-0 height is a 6 high lite cut. Standard lite cut for 9-0 height is a 7 high lite cut.
  - All glass is tempered.
  - Right or left hand operation is determined by the direction the door panel travels to open position, as viewed from exterior. OXXO can be ordered Left active or Right active.
  - CN 9-0 heights are limited to 1 and 2 wide configurations using CN2-6 and 3-0 panels.
  - Available in clad 6-8 height only.
- Please consult your local Marvin representative for masonry openings that include casings and subsills.

For further details and drawings visit the 'Tools and Documents' section at Marvin.com.

7-0, 8-0 AND 9-0 HEIGHTS:			
	7-0 Height	8-0 Height	9-0 Height
Clad MO (mm)	7-2 1/4 (2191)	7-11 3/4 (2432)	8-11 3/4 (2737)
Wood MO (mm)	7-3 9/16 (2224)	8-1 1/16 (2465)	N/A
RO (mm)	7-2 1/2 (2197)	8-0 (2438)	9-0 (2743)
FS (mm)	7-2 (2184)	7-11 1/2 (2426)	8-11 1/2 (2731)
DLO (mm)	5-10 9/64 (1781)	6-7 41/64 (2023)	7-7 41/64 (2328)

# WOOD AWNING / WOOD AWNING PUSH OUT

<b>MO (mm)</b>	1 - 7 5/8 (498)	1 - 9 5/8 (549)	1 - 11 5/8 (600)	2 - 3 5/8 (702)	2 - 5 5/8 (752)	2 - 7 5/8 (803)	2 - 9 5/8 (854)	2 - 11 5/8 (905)	3 - 3 5/8 (1006)
<b>RO (mm)</b>	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)
<b>FS (mm)</b>	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)	3 - 0 (914)
<b>DLO (mm)</b>	0 - 11 19/64 (287)	1 - 1 19/64 (338)	1-3 19/64 (388)	1 - 7 19/64 (490)	1 - 9 19/64 (541)	1 - 11 19/64 (592)	2 - 1 19/64 (642)	2 - 3 19/64 (693)	2 - 7 19/64 (795)



Ultimate Wood Awning: UWAWN  
 Ultimate Wood Awning Push Out: UWAWNPO

- Details and Elevations not to scale.
- Ultimate Wood Awning Push Out not available in frame size heights greater than 48 1/16".
  - For units with a tall bottom rail, reduce the DLO height by 1 1/2".