

2015 IECC 402.3 FENESTRATION. (PRESCRIPTIVE).

R402.3.1 U-FACTOR
AN AREA-WEIGHTED AVERAGE OF FENESTRATION PRODUCTS SHALL BE PERMITTED TO SATISFY THE U-FACTOR REQUIREMENTS.

R402.3.2 GLAZED FENESTRATION SHGC
AN AREA-WEIGHTED AVERAGE OF FENESTRATION PRODUCTS MORE THAN 50-PERCENT GLAZED SHALL BE PERMITTED TO SATISFY THE SHGC REQUIREMENTS.

DYNAMIC GLAZING SHALL BE PERMITTED TO SATISFY THE SHGC REQUIREMENTS OF TABLE R402.1.2 PROVIDED THE RATIO OF THE HIGHER TO LOWER LABELED SHGC IS GREATER THAN OR EQUAL TO 2.4, AND THE DYNAMIC GLAZING IS AUTOMATICALLY CONTROLLED TO MODULATE THE AMOUNT OF SOLAR GAIN INTO THE SPACE IN MULTIPLE STEPS. DYNAMIC GLAZING SHALL BE CONSIDERED SEPARATELY FROM OTHER FENESTRATION, AND AREA-WEIGHTED AVERAGING WITH OTHER FENESTRATION THAT IS NOT DYNAMIC GLAZING SHALL NOT BE PERMITTED.

EXCEPTION: DYNAMIC GLAZING IS NOT REQUIRED TO COMPLY WITH THIS SECTION WHEN BOTH THE LOWER AND HIGHER LABELED SHGC ALREADY COMPLY WITH THE U-FACTOR REQUIREMENTS.

R402.3.3 GLAZED FENESTRATION EXEMPTION
UP TO 15 SQUARE FEET OF GLAZED FENESTRATION PER DWELLING UNIT SHALL BE PERMITTED TO BE EXEMPT FROM U-FACTOR AND SHGC REQUIREMENTS.

R402.3.4 OPAQUE DOOR EXEMPTION
ONE SIDE-HINGED OPAQUE DOOR ASSEMBLY UP TO 24 SQUARE FEET IN AREA IS EXEMPTED FROM THE U-FACTOR REQUIREMENTS.

WINDOW INFORMATION

INSTALL WINDOWS PER MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. FOLLOW PROPER SEQUENCE OF INSTALLATION FOR FLASHING, SEALING, & DRAINAGE REQUIREMENTS.

ALL PRIME WINDOWS ON THE JOB SHALL BE BID AND PRICING REVIEWED WITH OWNER FOR FINAL DECISION

- EAGLE JELD WEN
- ANDERSEN PELLA
- MARVIN

ALL PATIO DOOR UNITS ON THE JOB SHALL BE

- EAGLE JELD WEN MARVIN
- ANDERSEN PELLA

FINISH AND COLOR OF PRIME WINDOWS TO BE

- EXTERIOR CLAD REVIEW BY OWNER & ARCHITECT
- GLAZING PACKAGE SHALL BE (SEE TEMPERED GLASS NOTE BELOW)

- DOUBLE GLAZED INSULATED GLASS LOW-E COATING

WINDOW MUTTONS SHALL BE

- SDL - GLUED TO INSIDE AND OUTSIDE FACE OF GLASS

WINDOW SIZES SHOWN ARE BASED UPON WINDOW ACCESSORIES TO BE PROVIDED

- NOMINAL DIMENSIONS IN INCHES SCREENS

WINDOW U-FACTOR TO BE 0.32 OR BETTER

WINDOWS AND SLIDING DOORS GLASS DOORS SHALL HAVE AN AIR INFILTRATION RATE OF NO MORE THAN 0.3 CFM PER S.F. AND SWINGING DOORS NO MORE THAN 0.5 CFM PER S.F. LEAVE ALL MANUFACTURERS STICKERS ON WINDOWS AND DOOR S UNTIL AFTER INSULATION INSPECTION

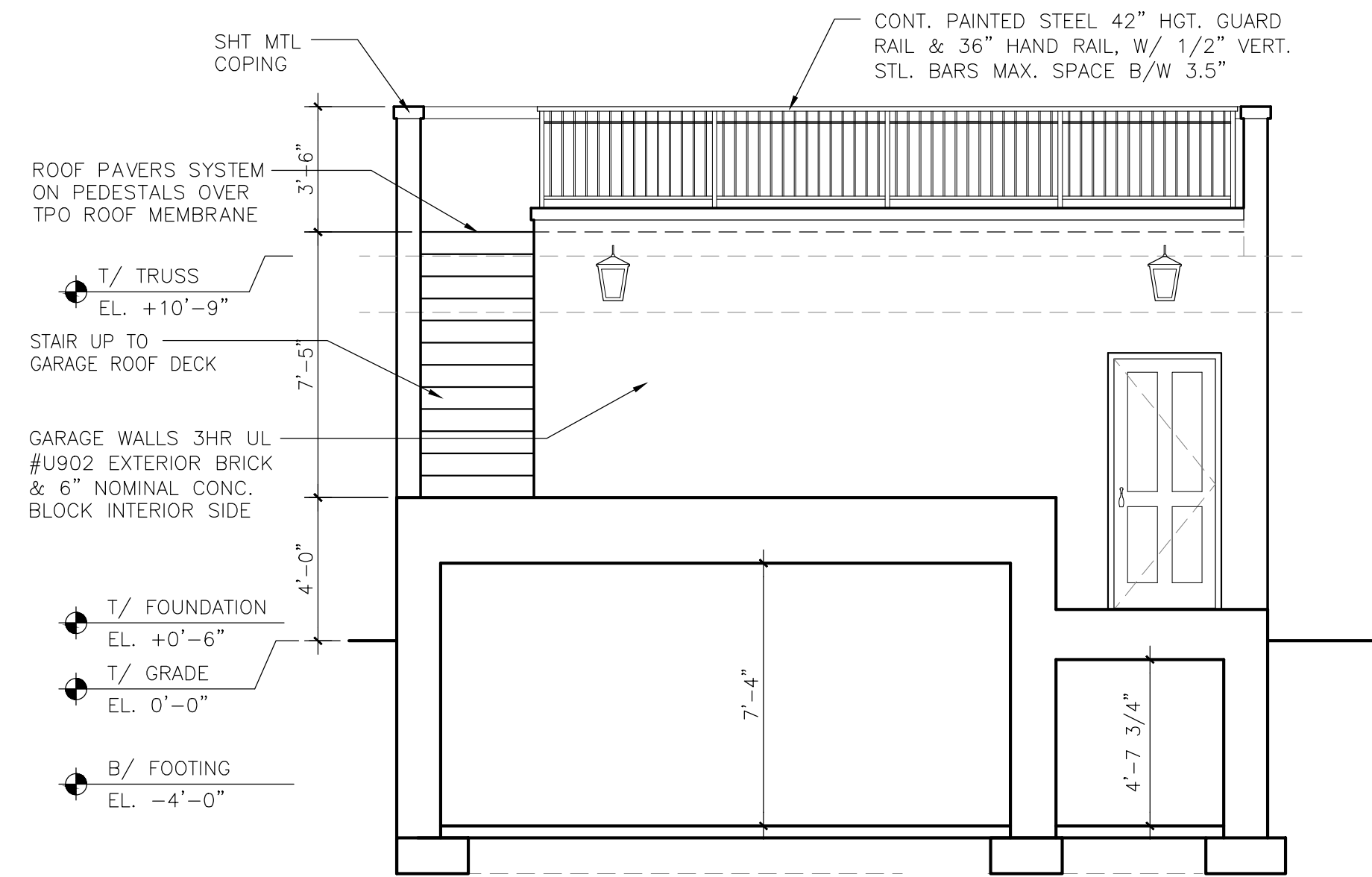
GLAZING IN HAZARDOUS LOCATION NOTES:

GLAZING TO FOLLOW THE LOCAL CODES AND ORDINANCES TEMPERED / SAFETY GLASS MUST BE PROVIDED IN THE FOLLOWING LOCATIONS :

- GLAZING IN ALL FIXED AND OPERABLE PANELS OF SWINGING, SLIDING, AND BI-FOLD DOORS
- GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE OF THE GLAZING IS WITHIN A 24-INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE.
- GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
 1. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQUARE FEET;
 2. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18 INCHES ABOVE THE FLOOR;
 3. THE TOP EDGE OF THE GLAZING IS GREATER THAN 36 INCHES ABOVE THE FLOOR; AND
 4. ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36 INCHES, MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING.
- GLAZING IN GUARDS AND RAILINGS, INCLUDING STRUCTURAL BALUSTER PANELS AND NONSTRUCTURAL IN-FILL PANELS, REGARDLESS OF AREA OR HEIGHT ABOVE A WALKING SURFACE
- GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE. THIS SHALL APPLY TO SINGLE GLAZING AND ALL PANES IN MULTIPLE GLAZING.
- GLAZING WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS, LANDINGS BETWEEN FLIGHTS OF STAIRS, AND RAMPS.
- GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF A STAIRWAY WHERE THE GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN 60 INCHES HORIZONTALLY OF THE BOTTOM TREAD.

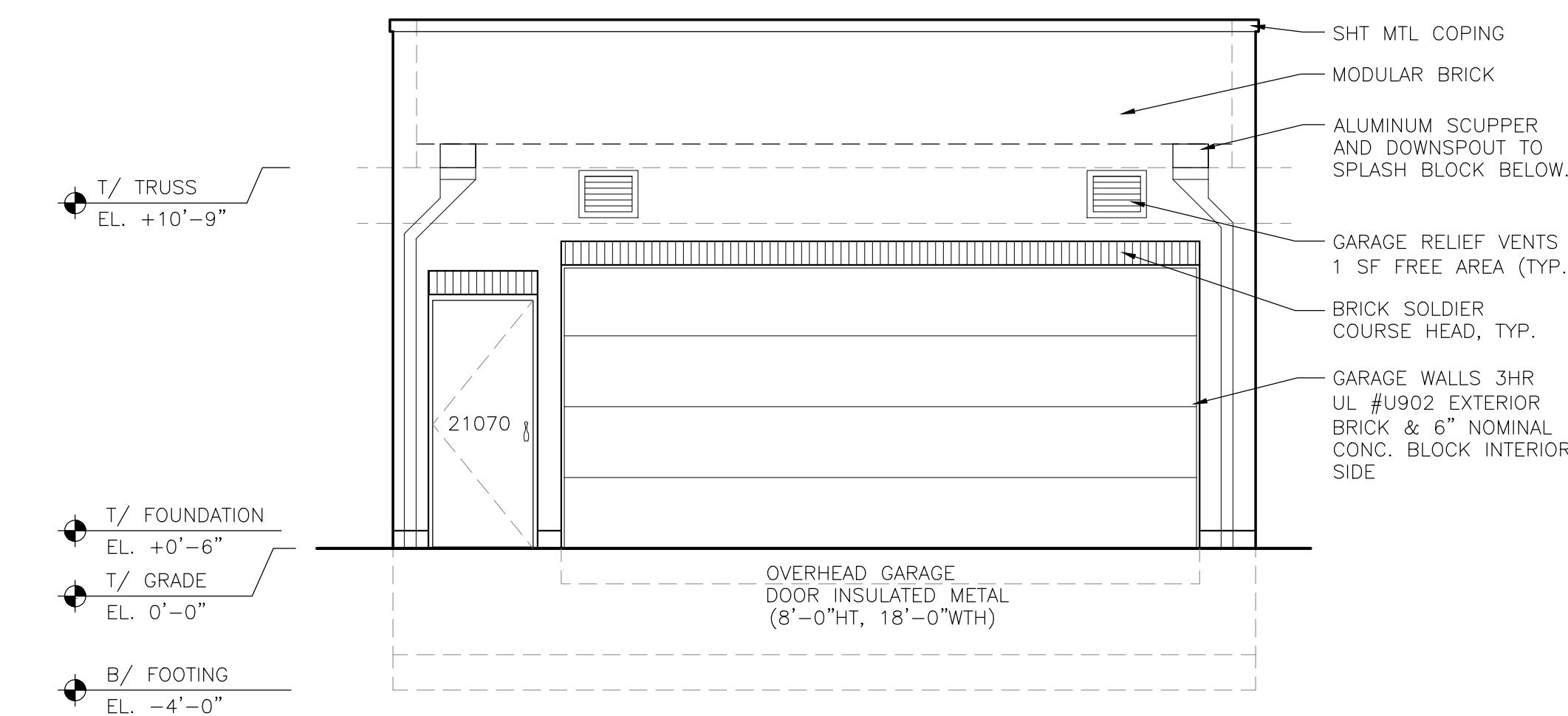
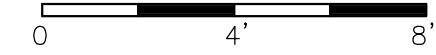
COORDINATE WINDOW JAMB DEPTH WITH DEPTH OF EXTERIOR WALL

"T" SEE ELEVATIONS FOR LOCATIONS OF WINDOWS THAT ARE REQUIRED TO HAVE TEMPERED GLASS, INDICATED BY A "T" IN THE LOWER CORNER



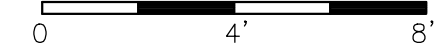
3 EAST ELEVATION

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



2 WEST ELEVATION

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



1 WEST ELEVATION

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



ISSUE DATE:	DATE	REMARKS
	08-10-2018	ISSUED FOR PERMIT & CONSTRUCTION
	04-11-2019	FOR REVIEW
	08-28-2019	FOR REVIEW
	09-30-2019	ISSUED FOR PERMIT & CONSTRUCTION

PATRICK PLUNKETT
architectural design ltd
patrickplunkett.com
630.789.8100
19 north grant street
hinsdale, il 60521

EXTERIOR ELEVATIONS
SINGLE FAMILY RESIDENCE
3346 N. LAKEWOOD AVE.
CHICAGO, ILLINOIS