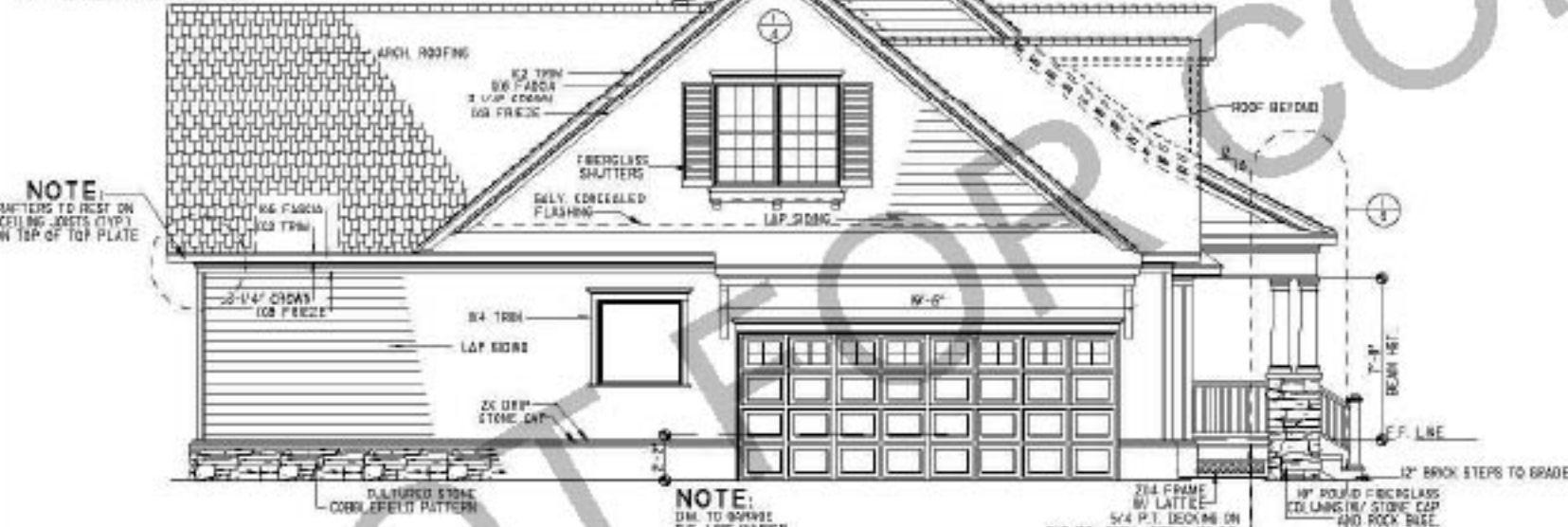


ELEVATION NOTES:

1. GUTTERS AND DOWNSPOUTS ARE NOT SHOWN FOR CLARITY. DOWNSPOUTS SHALL BE LOCATED TOWARD THE FRONT AND REAR OF THE HOUSE. LOCATE DOWNSPOUTS IN NEAR-VISUAL OR DISTANT LOCATIONS. FOR EXAMPLE, FRONT WALL OF HOUSE, BESIDE PORCH COLUMNS, ETC. GENERAL CONTRACTOR SHALL VERIFY EXISTING GRADES AND COORDINATE ANY NECESSARY ADJUSTMENTS TO HOUSE WITH OWNER.
2. PLUMBING AND HVAC VENTS SHALL BE GROUPED IN ATTIC TO LIMIT ROOF PENETRATIONS AND TO BE LOCATED AWAY FROM PUBLIC VIEW, I.E. AT THE REAR OF THE HOUSE AND SHALL BE PRIMED AND PAINTED TO MATCH ROOF COLOR.
3. PROVIDE ATTIC VENTILATION PER LOCAL CODE REQUIREMENTS.
4. EXTERIOR FLASHING SHALL BE CORRECTLY INSTALLED AT ALL CONNECTIONS BETWEEN ROOFS, WALLS, CHIMNEYS, PROJECTIONS AND PENETRATIONS AS REQUIRED BY APPROVED CONSTRUCTION PRACTICES.
5. CONTRACTOR SHALL PROVIDE ADEQUATE ATTIC VENTILATION / ROOF VENTS PER LOCAL GOVERNING CODE. INSTALL CONTINUOUS ROOF VENTILATION AND PAINT TO MATCH ROOF. PROVIDE APPROPRIATE SFFIT VENTILATION AT OVERHANGS.

NOTE:
RAFTERS TO REST ON
CEILING JOISTS (TYP)
ON TOP OF TOP PLATE

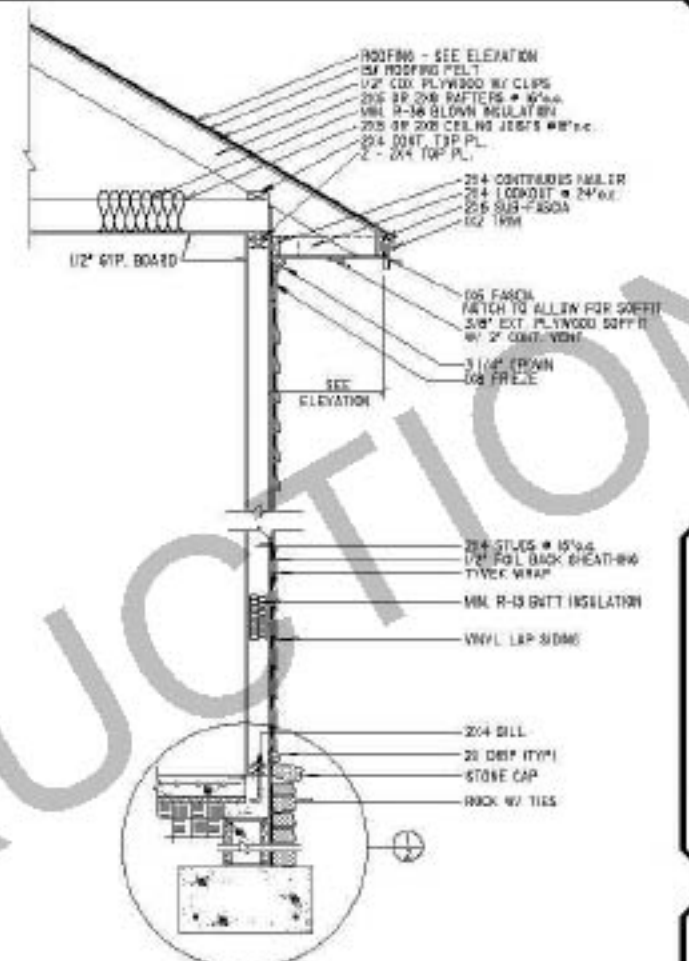


LEFT ELEVATION

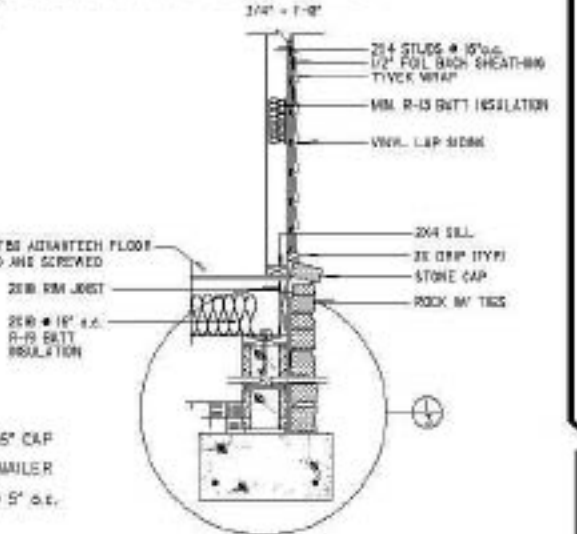
NOTE:
DIM. TO FINISH
F.F. LINE FINISH

2x4 FRAME W/ LATTICE
5/4 P.T. DECKING ON
2x4 P.T. DECK JOIST W/ 1/2\"/>

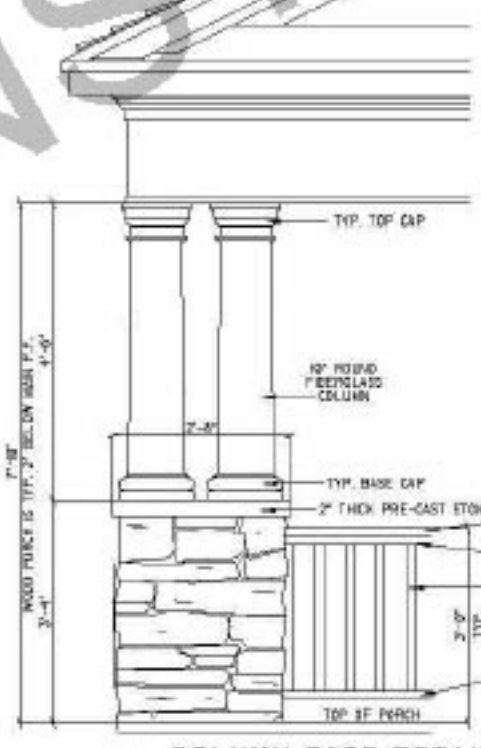
NOTE:
RAFTERS TO REST ON
CEILING JOISTS (TYP)
ON TOP OF TOP PLATE



SLAB FOUNDATION SECTIONAL DETAIL



CRAWL FOUNDATION SECTIONAL DETAIL



COLUMN BASE DETAIL

NOTICE: BY USE OF CONSTRUCTION DOCUMENTS, THE USER ASSUMES ALL LIABILITY FOR ANY DAMAGE RESULTING FROM THE USE OF THESE DOCUMENTS. THE DESIGNER AND ARCHITECT ASSUME NO LIABILITY FOR ANY DAMAGE RESULTING FROM THE USE OF THESE DOCUMENTS. THE USER ASSUMES ALL LIABILITY FOR ANY DAMAGE RESULTING FROM THE USE OF THESE DOCUMENTS. THE DESIGNER AND ARCHITECT ASSUME NO LIABILITY FOR ANY DAMAGE RESULTING FROM THE USE OF THESE DOCUMENTS.

ELEVATIONS / NOTES

NO. [REDACTED]

DATE [REDACTED]

CAD DESIGNED

DATE [REDACTED]

SCALE [REDACTED]

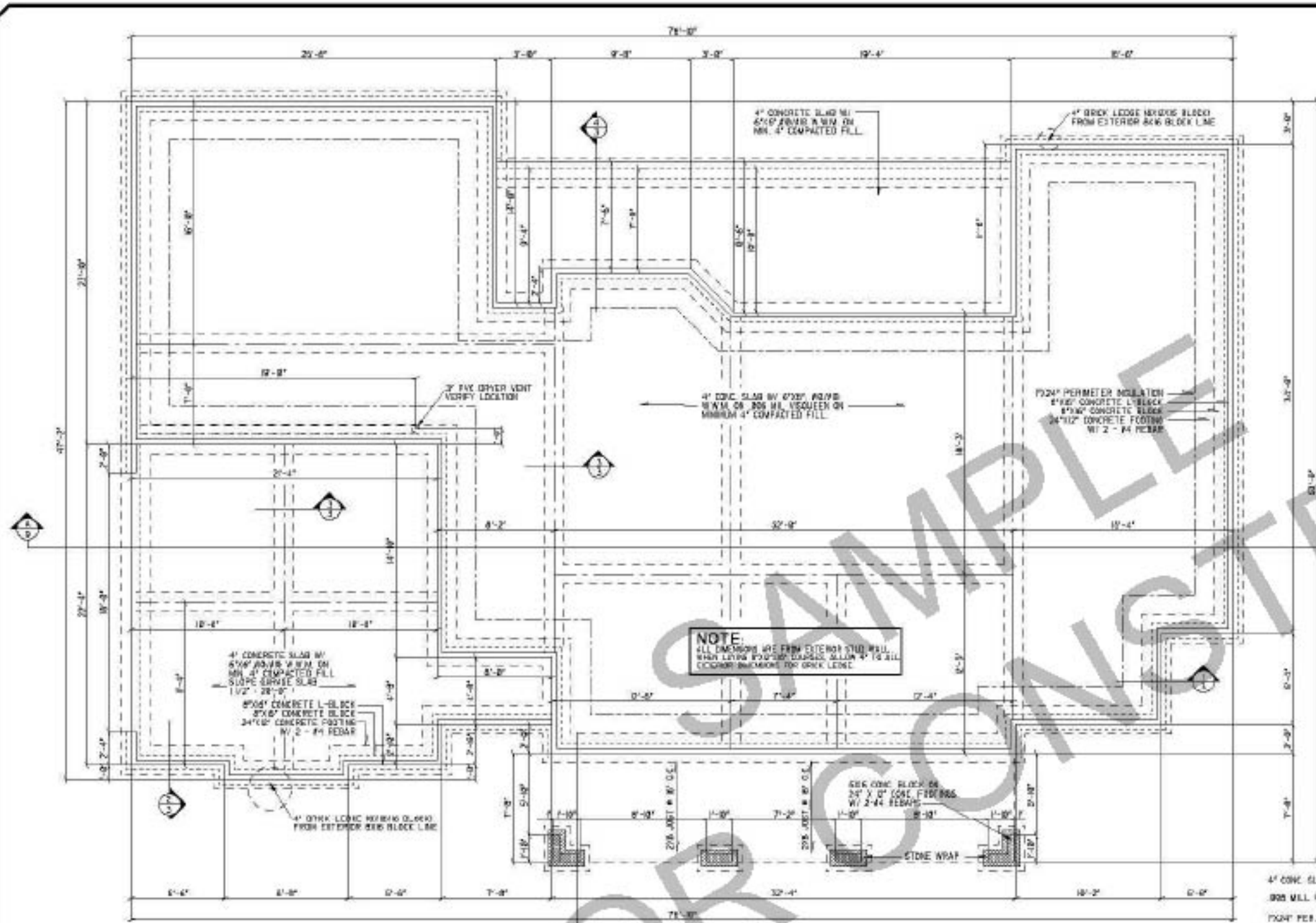
BUILDER [REDACTED]

JOB [REDACTED]

DRAWN BY [REDACTED]

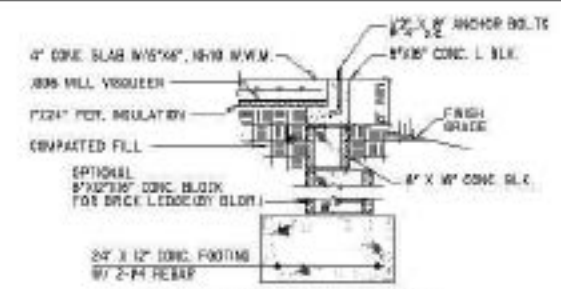
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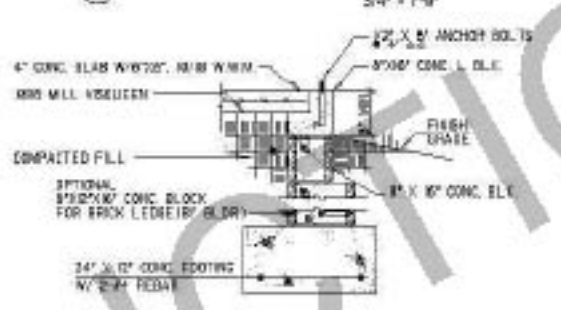


FOUNDATION NOTES:

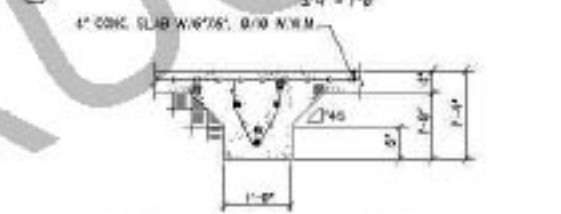
1. ALL FOOTINGS SHALL REST ON FIRM UNDISTURBED SOIL.
2. ASSUMED SOIL SHALL BE SAND OR GRAVEL WITH MINIMUM TENSILE OF 10% CLAY WITH A MINIMUM BEARING CAPACITY OF 2000 LB/SQ FT.
3. UNLESS OTHERWISE NOTED, ALL SLABS ON GRADE SHALL BE 4000 PSI UN CURE IMPROVED STRENGTH CONCRETE ON 2\"/>



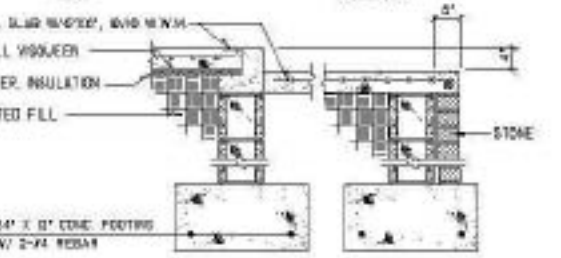
① FOUNDATION DETAIL
3/4\"/>



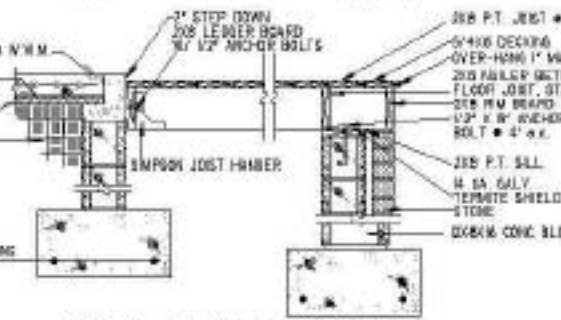
② GARAGE FOUNDATION DETAIL
3/4\"/>



③ BEARING FTG DETAIL
3/4\"/>



④ STEP DOWN DETAIL
3/4\"/>



⑤ STEP DOWN DETAIL
3/4\"/>

NOTICE BY CONTRACTOR

The undersigned hereby certifies that the contractor has read and understood the entire contents of these plans and specifications and that the contractor and the designer, design and construction team, shall be jointly and severally liable for any errors or omissions in the design and construction of the project. The contractor shall be responsible for any errors or omissions in the design and construction of the project. The contractor shall be responsible for any errors or omissions in the design and construction of the project. The contractor shall be responsible for any errors or omissions in the design and construction of the project.

FOUNDATION (SLAB) PLAN / NOTES

CAD DESIGNED

REV	BY



SCALE
3/4\"/>

Construction Specifications and Methodologies

IMPORTANT NOTE: THESE NOTES AND SPECIFICATIONS ARE PROVIDED BY THE CONTRACTOR AS A SERVICE TO THEIR CLIENTS... THE INFORMATION AND METHODOLOGIES PREPARED HEREIN ARE IN ACCORDANCE TO AND REFERENCED TO THE INTERNATIONAL RESIDENTIAL CODE...

IMPORTANT DISCLAIMER: THE EMPLOYED INFORMATION IS INTENDED TO ASSIST AND INFORM YOU THROUGH THE CONSTRUCTION OF YOUR HOME... YOU SHOULD HAVE ANY QUESTIONS REGARDING THE CONSTRUCTION PLANS AND/OR THE SUPPORTIVE DOCUMENTATION, PLEASE FEEL FREE TO CONTACT US AT: 1-800-568-0777

CHAPTER 9 - BUILDING PLANNING

SECTION R904 MINIMUM ROOM AREAS

ROOM MINIMUM AREA: HABITABLE ROOMS SHALL HAVE A FLOOR AREA OF NOT LESS THAN 70 SQUARE FEET (6.50 SQ. M). EXCEPTION: KITCHENS.

SECTION R905 CEILING HEIGHT

ROOM MINIMUM HEIGHT: HABITABLE SPACE, HALLWAYS AND PORTALS OF BASEMENTS CONTAINING THESE SPACES SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7 FEET (2.13 M).

SECTION R906 SANITATION

ROOM TOILET FACILITIES: EVERY DWELLING UNIT SHALL BE PROVIDED WITH A WATER CLOSET, LAVATORY, AND A BATH OR SHOWER. ROOMS SERVING AS BATHS: PLUMBING FIXTURES SHALL BE CONNECTED TO A SANITARY SEWER OR TO AN APPROVED PRIVATE SEWAGE DISPOSAL SYSTEM.

SECTION R907 TOILET, BATH, AND SHOWER SPACES

ROOM SPACE REQUIREMENTS: TOILETS SHALL BE SPACED IN ACCORDANCE WITH REQUIREMENT 1, AND SHALL CONFORM WITH THE REQUIREMENTS OF SECTION P1001. BATHS AND SHOWERS: ROOMS AND BATHS SHALL BE FINISHED WITH A NON-SLIP SURFACE.

SECTION R908 GLAZING

ROOM HAZARDOUS EXPOSURE: GLAZING IN HAZARDOUS EXPOSURE LOCATIONS SHALL BE CONSIDERED TO BE A HAZARDOUS LOCATION FOR THE PURPOSES OF GLAZING. ROOMS GLAZING IN ROOMS: GLAZING IN ROOMS SHALL BE CONSIDERED TO BE A HAZARDOUS LOCATION.

SECTION R909 WINDOWS

GLAZING IN HAZARDOUS EXPOSURE: GLAZING IN HAZARDOUS EXPOSURE LOCATIONS SHALL BE CONSIDERED TO BE A HAZARDOUS LOCATION FOR THE PURPOSES OF GLAZING.

SECTION R910 EMERGENCY ESCAPE AND RESCUE OPENINGS

ROOM EMERGENCY ESCAPE AND RESCUE OPENING REQUIREMENTS: EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE PROVIDED IN EVERY SLEEPING ROOM AND IN EVERY OTHER ROOM WHERE A PERSON MAY BE SLEEPING.

SECTION R911 MEANS OF EGRESS

ROOM MEANS OF EGRESS: MEANS OF EGRESS SHALL BE PROVIDED FOR EACH DWELLING UNIT. MEANS OF EGRESS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R912 EGRESS DOORS

ROOM EGRESS DOORS: EGRESS DOORS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R913 EGRESS WINDOWS

ROOM EGRESS WINDOWS: EGRESS WINDOWS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R914 EGRESS DOORS

ROOM EGRESS DOORS: EGRESS DOORS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R915 EGRESS WINDOWS

ROOM EGRESS WINDOWS: EGRESS WINDOWS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R916 EGRESS DOORS

ROOM EGRESS DOORS: EGRESS DOORS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R917 EGRESS WINDOWS

ROOM EGRESS WINDOWS: EGRESS WINDOWS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R918 EGRESS DOORS

ROOM EGRESS DOORS: EGRESS DOORS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R919 EGRESS WINDOWS

ROOM EGRESS WINDOWS: EGRESS WINDOWS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R920 EGRESS DOORS

ROOM EGRESS DOORS: EGRESS DOORS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R921 EGRESS WINDOWS

ROOM EGRESS WINDOWS: EGRESS WINDOWS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R922 EGRESS DOORS

ROOM EGRESS DOORS: EGRESS DOORS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R923 EGRESS WINDOWS

ROOM EGRESS WINDOWS: EGRESS WINDOWS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R924 EGRESS DOORS

ROOM EGRESS DOORS: EGRESS DOORS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R925 EGRESS WINDOWS

ROOM EGRESS WINDOWS: EGRESS WINDOWS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R926 EGRESS DOORS

ROOM EGRESS DOORS: EGRESS DOORS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R927 EGRESS WINDOWS

ROOM EGRESS WINDOWS: EGRESS WINDOWS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R928 EGRESS DOORS

ROOM EGRESS DOORS: EGRESS DOORS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R929 EGRESS WINDOWS

ROOM EGRESS WINDOWS: EGRESS WINDOWS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R930 EGRESS DOORS

ROOM EGRESS DOORS: EGRESS DOORS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R931 EGRESS WINDOWS

ROOM EGRESS WINDOWS: EGRESS WINDOWS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R932 EGRESS DOORS

ROOM EGRESS DOORS: EGRESS DOORS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R933 EGRESS WINDOWS

ROOM EGRESS WINDOWS: EGRESS WINDOWS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R934 EGRESS DOORS

ROOM EGRESS DOORS: EGRESS DOORS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

SECTION R935 EGRESS WINDOWS

ROOM EGRESS WINDOWS: EGRESS WINDOWS SHALL BE PROVIDED FOR EACH ROOM AND SHALL BE PROVIDED FOR EACH FLOOR.

PROFESSIONAL SEAL

PROFESSIONAL SEAL: THE CONTRACTOR SHALL OBTAIN A PROFESSIONAL SEAL FROM A LICENSED ARCHITECT OR ENGINEER.

COPYRIGHTS

COPYRIGHTS: REPRODUCTION OF THESE CONSTRUCTION PLANS, EITHER IN WHOLE OR IN PART, IS STRICTLY PROHIBITED.

GENERAL SITE NOTES

GENERAL SITE NOTES: THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND CONNECTIONS BEFORE BEGINNING CONSTRUCTION.

NOTICE: THE CONTRACTOR ASSUMES NO LIABILITY FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY... THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

NOTICE: THE CONTRACTOR ASSUMES NO LIABILITY FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY... THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

Scale: 1/4" = 1'-0" BULDER. Job: [Blank]. Drawn By: [Blank]. 1 of 5. Includes CAD DESIGNED logo and a drawing of a computer monitor.

R011.1 STAIRWAYS - WHERE REQUIRED BY THE CODE OR PROVIDED, STAIRWAYS SHALL COMPLY WITH THIS SECTION.

OPTIONS:

- 1. STAIRWAYS NOT WITHIN OR CROSSING A BUILDING, PORCH OR DECK.
2. STAIRWAYS LEADING TO NONHABITABLE ATTICS.
3. STAIRWAYS LEADING TO SMALL SPACES.

R011.2 WIDTH - STAIRWAYS SHALL BE NOT LESS THAN 36 INCHES (914 MM) CLEAR WIDTH AT ALL POINTS ABOVE THE PERMITTED HEADRAMP HEIGHT AND BELOW THE REQUIRED HEADROOM HEIGHT. THE CLEAR WIDTH OF STAIRWAYS AT AND BELOW THE HANDRAIL HEIGHT, INCLUDING TREADS AND LANDINGS, SHALL BE NOT LESS THAN 32 INCHES (813 MM) WHERE A HANDRAIL IS INSTALLED ON ONE SIDE AND 37 INCHES (939 MM) WHERE HANDRAILS ARE INSTALLED ON BOTH SIDES.

NOTE: SEE SECTION 0117 FOR EXCEPTION.

R011.2 HEADROOM

THE HEADROOM IN STAIRWAYS SHALL BE NOT LESS THAN FEET 8 INCHES (2439 MM) MEASURED VERTICALLY FROM THE SLOPED LINE ADJOINING THE TREAD NOSE OR FROM THE FLOOR SURFACE OF THE LANDING OR PLATFORM ON THAT PORTION OF THE STAIRWAY.

NOTE: SEE SECTION 0117 FOR EXCEPTION.

R011.3 VERTICAL RISE - A FLIGHT OF STAIRS SHALL NOT HAVE A VERTICAL RISE GREATER THAN 12 FEET 7 INCHES (3839 MM) BETWEEN FLOOR LEVELS OR LANDINGS.

R011.4 WALK LINE

THE WALK LINE IS THE CLEAR WIDTH TREAD AND LANDING SHALL BE COINCIDENT TO THE TURN AND PARALLEL TO THE DIRECTION OF TRAVEL. THE WALK LINE DURING THE TURN, THE WALK LINE SHALL BE LOCATED 12 INCHES (305 MM) FROM THE INSIDE OF THE TURN. THE 12 INCH (305 MM) INDENTION SHALL BE MEASURED FROM THE WALK LINE TO THE CLEAR STAIR WIDTH AT THE WALKING SURFACE. WHERE WALKERS ARE ADJACENT WITHIN A FLIGHT, THE POINT OF THE WALK LINE SHALL BE WITHIN THE ADJACENT WALKERS SHALL BE 32 INCHES (813 MM).

R011.5 START TREADS AND RISERS

START TREADS AND RISERS SHALL MEET THE REQUIREMENTS OF THIS SECTION FOR THE PURPOSES OF THE SECTION, DIMENSIONS AND FINISHING SURFACES SHALL BE AS SPECIFIED IN PARTS 0117 AND 0118.

R011.6 RISERS

THE RISER HEIGHT SHALL BE NOT MORE THAN 7 INCHES (178 MM). THE RISER HEIGHT SHALL BE MEASURED VERTICALLY BETWEEN LEADING EDGES OF THE ADJACENT TREADS. THE GREATEST RISER HEIGHT WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 1/8 INCH (3 MM). RISERS SHALL BE VERTICAL OR SLOPED UP FROM THE UNDERSIDE OF THE NOSING OF THE TREAD. ABOVE AN INCLINATION MORE THAN 30 DEGREES FROM VERTICAL AT OPEN RISERS, OPENINGS LOCATED MORE THAN 20 INCHES (508 MM) AS MEASURED VERTICALLY, TO THE FLOOR OR GRADE BELOW SHALL NOT PERMIT THE PASSAGE OF 4 INCH (102 MM) DIAMETER.

NOTE: SEE SECTION 0115.1 FOR EXCEPTION.

R011.7 TREADS

THE TREAD DEPTH SHALL BE NOT LESS THAN 10 INCHES (254 MM). THE TREAD DEPTH SHALL BE MEASURED HORIZONTALLY BETWEEN THE VERTICAL PLANE OF THE FOREMOST PROJECTION OF AN OPEN TREAD AND AT A RIGHT ANGLE TO THE TREAD'S LEADING EDGE. THE GREATEST TREAD DEPTH WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8 INCH (9.5 MM).

R011.8.1 WIND UP TREADS

WIND UP TREADS SHALL HAVE A TREAD DEPTH OF NOT LESS THAN 10 INCHES (254 MM) MEASURED BETWEEN THE VERTICAL PLANES OF THE FOREMOST PROJECTION OF AN OPEN TREAD AT THE INTERSECTION WITH THE WALK LINE. WIND UP TREADS SHALL HAVE A TREAD DEPTH OF NOT LESS THAN 10 INCHES (254 MM) AT ANY POINT WITHIN THE CLEAR WIDTH OF THE STAIR, WITHIN ANY FLIGHT OF STAIRS, THE LARGEST WIND UP TREAD BOTH AT THE WALK LINE SHALL NOT EXCEED THE SMALLEST WIND UP TREAD BY MORE THAN 3/8 INCH (9.5 MM). CONSULT WITH SHARD MANUFACTURER AT THE WALKING SURFACE TO DETERMINE THE WALKING SURFACE OF STAIRS AT RECTANGULAR TREADS AND SHALL NOT BE REQUIRED TO BE WITHIN 1/8 INCH (3.2 MM) OF THE RECTANGULAR TREAD DEPTH.

NOTE: SEE SECTION 0117.8.2 FOR EXCEPTION.

R011.9.1 RISINGS

RISINGS AT TREADS, LANDINGS AND TREADS OF STAIRWAYS SHALL HAVE A PROJECTION OF 1/4 INCH (6.4 MM) AT THE INSIDE NOT GREATER THAN 1/8 INCH (3.2 MM) OR A LEVEL NOT GREATER THAN 1/8 INCH (3.2 MM). A NOSING PROJECTION NOT LESS THAN 3/8 INCH (9.5 MM) AND NOT MORE THAN 1/4 INCH (6.4 MM) SHALL BE PROVIDED ON STAIRWAYS. THE GREATEST PROJECTION SHALL NOT EXCEED THE SMALLEST RISING PROJECTION BY MORE THAN 3/8 INCH (9.5 MM) WITHIN A STAIRWAY.

NOTE: SEE SECTION 0117.8.3 FOR EXCEPTION.

R011.9.2 EXTERIOR PLASTIC COMPOSITE START TREADS

PLASTIC COMPOSITE EXTERIOR START TREADS SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION AND SECTION 0118.1.1.

R011.2.1 UNIFORM STAIRWAYS - THERE SHALL BE A FLOOR OR LANDING AT THE TOP AND BOTTOM OF EACH STAIRWAY. THE WIDTH OF EACH STAIRWAY AT THE TOP AND BOTTOM OF EACH STAIRWAY SHALL BE NOT LESS THAN THE WIDTH OF THE FLIGHT SERVING. FOR LANDINGS OF STAIRS OF 800 SQ. FT. OR MORE, THE WIDTH OF THE CLEAR WALK LINE AND THE TOTAL AREA SHALL BE NOT LESS THAN THAT OF A QUARTER CIRCLE WITH A RADIUS EQUAL TO THE REQUIRED LANDING WIDTH. WHERE THE STAIRWAY HAS A STRAIGHT FLIGHT, THE DEPTH OF THE FLIGHT OF TRAVEL SHALL BE NOT LESS THAN 36 INCHES (914 MM).

NOTE: SEE SECTION 0117 FOR EXCEPTION.

R011.2.2 STAIRWAY WALKING SURFACE

THE WALKING SURFACE OF TREADS AND LANDINGS OF STAIRWAYS SHALL BE SLOPED NOT GREATER THAN ONE UNIT VERTICAL IN 48 UNITS HORIZONTAL (2 PERCENT SLOPE).

NOTE: SEE SECTION 0117 FOR EXCEPTION.

R011.2.3 HANDRAILS

HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF EACH FLIGHT OF STAIRS WITH FOUR OR MORE RISERS.

R011.2.4 HEIGHT

HANDRAIL HEIGHT, MEASURED VERTICALLY FROM THE SLOPED PLANE ADJOINING THE TREAD NOSE OR FROM THE SURFACE OF RAMP SLOPE, SHALL BE NOT LESS THAN 36 INCHES (914 MM) AND NOT MORE THAN 38 INCHES (965 MM).

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.2.5 CONTINUITY

HANDRAILS SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RAIL OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RAIL OF THE FLIGHT. A HANDRAIL JOINT SHALL BE RETURNED TOWARD A WALL, A HANDRAIL JOINT SHALL BE RETURNED TOWARD A WALL, OR TERMINATE TO A POST.

R011.2.6 GRIP SURFACE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.2.7 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.2.8 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.2.9 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.2.10 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.2.11 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.2.12 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.2.13 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.2.14 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.2.15 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3 UNIFORM SLOPE - RAMP SLOPES SHALL BE NOT GREATER THAN ONE UNIT VERTICAL IN 48 UNITS HORIZONTAL (2 PERCENT SLOPE). OTHER RAMP SLOPES SHALL HAVE A MAXIMUM SLOPE OF 1 UNIT VERTICAL IN 48 UNITS HORIZONTAL (2 PERCENT SLOPE).

EXCEPTION: WHERE IT IS TECHNICALLY INFEASIBLE TO COMPLY WITH THE REQUIREMENTS OF THIS SECTION, RAMP SLOPES SHALL BE NOT GREATER THAN ONE UNIT VERTICAL IN 48 UNITS HORIZONTAL (2 PERCENT SLOPE).

R011.3.1 HANDRAILS REQUIRED

WHERE A RAMP IS REQUIRED, HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF EACH FLIGHT OF RAMP WITH FOUR OR MORE RISERS.

R011.3.2 HEIGHT

HANDRAIL HEIGHT, MEASURED VERTICALLY FROM THE SLOPED PLANE ADJOINING THE TREAD NOSE OR FROM THE SURFACE OF RAMP SLOPE, SHALL BE NOT LESS THAN 36 INCHES (914 MM) AND NOT MORE THAN 38 INCHES (965 MM).

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3.3 GRIP SURFACE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3.4 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3.5 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3.6 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3.7 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3.8 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3.9 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3.10 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3.11 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3.12 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3.13 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

R011.3.14 GRIP SIZE

REQUIRED HANDRAILS SHALL BE ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRIPABILITY.

NOTE: SEE SECTION 0117.5.1 FOR EXCEPTION.

SECTION R010 AUTOMATIC FIRE SPRINKLER SYSTEMS

R010.1 TOWNHOUSE AUTOMATIC FIRE SPRINKLER SYSTEMS

AN AUTOMATIC RESIDENTIAL FIRE SPRINKLER SYSTEM SHALL BE INSTALLED IN TOWNHOUSES.

NOTE: SEE SECTION 0111 FOR EXCEPTION.

R010.2 DESIGN AND INSTALLATION

DESIGN AND INSTALLATION OF AUTOMATIC FIRE SPRINKLER SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION 0111 AND 0112.

R010.3 ONE AND TWO FAMILY DWELLING AUTOMATIC FIRE SPRINKLER SYSTEMS

AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED IN ONE AND TWO FAMILY DWELLINGS.

NOTE: SEE SECTION 0111 FOR EXCEPTION.

R010.4 DESIGN AND INSTALLATION

DESIGN AND INSTALLATION OF AUTOMATIC FIRE SPRINKLER SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION 0111 AND 0112.

SECTION R014 SMOKE ALARMS

R014.1 GENERAL

SMOKE ALARMS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:

R014.1.1 LISTING

SMOKE ALARMS SHALL BE LISTED IN ACCORDANCE WITH THE LISTING AGENCY'S LISTING AND SHALL BE LISTED IN ACCORDANCE WITH UL 203A AND UL 203B.

R014.1.2 WHERE REQUIRED

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

R014.1.3 NEW CONSTRUCTION

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

R014.1.4 EXISTING

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

R014.1.5 EXISTING

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

R014.1.6 EXISTING

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

R014.1.7 EXISTING

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

R014.1.8 EXISTING

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

R014.1.9 EXISTING

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

R014.1.10 EXISTING

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

R014.1.11 EXISTING

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

R014.1.12 EXISTING

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

R014.1.13 EXISTING

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

R014.1.14 EXISTING

SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

SECTION R015 COMBINATION ALARMS

R015.1 COMBINATION ALARMS

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS.

R015.2 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.3 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.4 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.5 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.6 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.7 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.8 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.9 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.10 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.11 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.12 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.13 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.14 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.15 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.16 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.17 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.18 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.19 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

R015.20 GENERAL

COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R014.1 THROUGH R014.7.

SECTION R016 CARBON MONOXIDE DETECTION SYSTEMS

R016.1 CARBON MONOXIDE DETECTION SYSTEMS

CARBON MONOXIDE DETECTION SYSTEMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS.

R016.2 GENERAL

CARBON MONOXIDE DETECTION SYSTEMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R01

PROVIDE BASE.
A 4 INCH HIGH 105 MPA BASE COURSE CONSISTING OF CLEAN GRADE SAND, BRICK OR CRUSHED STONE, GRADED CONCRETE OR CRUSHED BLAST-FURNACE SLAG PAVING 3.0 INCH OR MORE SAND SHALL BE PLACED ON THE PREPARED SURFACE WHERE THIS IS NOT BELOW GRADE.

NOTE: SEE SECTION 902.1 FOR DETAIL.

PROVIDE REINFORCING BARS.
A 30 MPA REINFORCING BARS (OR RETARDER) CONFORMING TO ASTM D 4854 CLASS 1 REQUIREMENTS WITH ONE LAPTED NOT LESS THAN 6 BAR SPACES SHALL BE PLACED BETWEEN THE CONCRETE SURFACE AND THE BASE COURSE OF THE PREPARED SURFACE WHERE A BASE COURSE DOES NOT EXIST.

NOTE: SEE SECTION 902.1 FOR DETAIL.

PROVIDE REINFORCING BARS.
WHERE PROVIDED IN SLABS ON GROUND, REINFORCEMENT SHALL BE SUPPORTED TO REMAIN IN PLACE FROM THE CENTER TO UPPER ONE-HALF INCH OF THE SLAB FOR THE DURATION OF THE CONCRETE PLACEMENT.

SECTION 907 DECKS

PROVIDE DECK.
WOOD-FRAMED DECKS SHALL BE IN ACCORDANCE WITH THIS SECTION. DECKS SHALL BE DESIGNED FOR THE LIVE LOAD REQUIRED IN SECTION 907.1 FOR THE GRADE-LEVEL LOAD INDICATED IN TABLE 907.1.2, AND OVERSILL OR OTHER LOADS MAY BE ADDED AND CONNECTIONS NOT PROVIDED IN THIS SECTION. REFER TO SECTION 907.1.

PROVIDE MATERIALS.
MATERIALS USED FOR THE CONSTRUCTION OF DECKS SHALL COMPLY WITH THIS SECTION.

PROVIDE WOOD MATERIALS.
WOOD MATERIALS SHALL BE NO. 2 GRADE OR BETTER LUMBER PRESERVATIVELY TREATED IN ACCORDANCE WITH SECTION 907.1.1, OR APPROVED, NATURALLY DURABLE LUMBER AND TREATED PROTECTED WHERE REQUIRED IN ACCORDANCE WITH SECTION 907.1.2. WHERE DESIGN IS IN ACCORDANCE WITH SECTION 907.1.3, PROVIDE WOOD STRUCTURAL MEMBERS SHALL BE GRADED USING THE NET SERVICE FACTOR DETERMINED IN ACCORDANCE WITH THIS SECTION. ALL WOOD MEMBERS SHALL BE TREATED IN ACCORDANCE WITH SECTION 907.1.1. ALL PRESERVATIVELY TREATED WOOD PRODUCTS IN CONTACT WITH THE GROUND SHALL BE LABELED FOR SUCH USAGE.

PROVIDE ENGINEERED WOOD PRODUCTS.
ENGINEERED WOOD PRODUCTS SHALL BE IN ACCORDANCE WITH SECTION 907.1.

PROVIDE PLASTIC COMPOSITE DECK BOARDS, STARTER JOISTS, GUARDS, OR HANDRAILS.
PLASTIC COMPOSITE EXTERIOR DECK BOARDS, STARTER TRAILS, GUARDS, AND HANDRAILS SHALL COMPLY WITH THE REQUIREMENTS OF ASTM D 2898 AND SECTION 907.1.3. SEE SECTION 907.1.3 THROUGH 907.1.3.5 AND SECTION 907.1.3.5 THROUGH 907.1.3.5 FOR FURTHER SPECIFICATIONS.

PROVIDE PATTERNS AND CONNECTIONS.
METAL PATTERNS AND CONNECTIONS USED FOR ALL DECKS SHALL BE IN ACCORDANCE WITH SECTION 907.1.3 AND TABLE 907.1.3.

PROVIDE FOOTING.
DECKS SHALL BE SUPPORTED ON CONCRETE FOOTINGS OR OTHER APPROVED STRUCTURAL SYSTEMS DESIGNED TO ACCOMMODATE ALL LOADS IN ACCORDANCE WITH SECTION 907.1.3. DECK FOOTINGS SHALL BE SIZED TO CARRY THE IMPOSED LOADS FROM THE DECK STRUCTURE TO THE GROUND AS SHOWN IN FIGURE 907.1.3.

NOTE: SEE SECTION 907.1 FOR DETAIL.

PROVIDE DECK POSTS.
POSTS IN LEVEL DECKS, WOOD POST JOISTS SHALL BE IN ACCORDANCE WITH TABLE 907.1.4.

PROVIDE BECK POST TO FOOTING CONNECTION.
WHERE POSTS BEAR ON CONCRETE FOOTINGS IN ACCORDANCE WITH SECTION 907.1.3 AND FIGURE 907.1.4, LATERAL RESTRAINT SHALL BE PROVIDED BY MANUFACTURED CONNECTORS OR A MINIMUM 100 LB DOWEL BARS OF 1/2 INCH DIA MIN IN SURROUNDING JOBS OR CONCRETE EPRES. OTHER FOOTING SYSTEMS SHALL BE PERMITTED.

NOTE: SEE SECTION 907.1 FOR DETAIL.

PROVIDE BEAM.
NONMINIMUM ALLOWABLE SPACING FOR WOOD DECK BEAMS, AS SHOWN IN FIGURE 907.1.5, SHALL BE IN ACCORDANCE WITH TABLE 907.1.5. THROUGH 907.1.5.4. BEAMS SHALL BE FASTENED TOGETHER WITH TWO ROWS OF 1/2 INCH DIA X 1 1/2 INCH DIA MINIMUM AT 16 INCH DIA MIN ON CENTER ALONG EACH EDGE. BEAMS SHALL BE PERMITTED TO CONTACT AT EACH END UP TO ONE-FIFTH OF THE ACTUAL BEAM DEPTH. BEAM ENDS OF OTHER MATERIALS SHALL BE PERMITTED WHERE DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES.

PROVIDE DESIGN.
NONMINIMUM ALLOWABLE SPACING FOR JOISTS SUPPORTING WOOD DECKING, EXCEPT FOR STAIRWAYS, SHALL BE IN ACCORDANCE WITH TABLE 907.1.5. WOOD DECKING SHALL BE AT LEAST 1/4 INCH SUPPORTING MEMBER WITH NOT LESS THAN TWO INCH THICKNESS OR TWO INCH WOOD GIRDERS. NONMINIMUM ALLOWABLE SPACING FOR JOISTS SUPPORTING PLASTIC COMPOSITE DECKING SHALL BE IN ACCORDANCE WITH SECTION 907.1.2. OTHER APPROVED DESIGN OR MANUFACTURER'S INSTRUCTIONS SHALL BE INSTALLED. MATERIALS USED FOR THE MANUFACTURE OF METAL LATHING REQUIREMENTS.

PROVIDE DESIGN AND LATERAL SUPPORTS.
WHERE SUPPORTED BY ATTACHMENT TO AN EXTERIOR WALL, DECKS SHALL BE FASTENED TO THE PRIMARY STRUCTURE AND DESIGNED FOR BOTH VERTICAL AND LATERAL LOADS. SUCH ATTACHMENT SHALL NOT BE ACCOMPLISHED BY THE USE OF DOWELS OR WALLS SUBJECT TO WITHDRAWAL FOR DECKS WITH ONE-SIDED FRAMING. IN OTHER CASES, CONNECT TO EXISTING WALL OR OTHER FRAMING MEMBERS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST UPSET RESULTING FROM THE FULL LIVE LOAD SPECIFIED IN TABLE 907.1.3.2. FASTENING ON THE CASTLE-TYPE PORTION OF THE DECK, WHERE POSITIVE CONNECTION TO THE PRIMARY BUILDING STRUCTURE CANNOT BE VERIFIED DURING INSPECTION, DECKS SHALL BE SELF-SUPPORTING.

CHAPTER 6: WALL CONSTRUCTION

SECTION 9001 GENERAL

PROVIDE APPLICATION.
THE PROVISIONS OF THIS CHAPTER SHALL CONTROL THE DESIGN AND CONSTRUCTION OF WALLS AND PARTITIONS FOR BUILDINGS.

PROVIDE DESIGN REQUIREMENTS.
WALL CONSTRUCTION SHALL BE DESIGNED TO ACCOMMODATE ALL LOADS IMPOSED IN ACCORDANCE WITH SECTION 9001.1 AND TO TRANSMIT THE RESULTS TO LOADS TO THE SUPPORTING STRUCTURAL ELEMENTS.

SECTION 9002 WOOD WALL FRAMING

PROVIDE GENERAL.
WOOD AND WOOD-BASED PRODUCTS USED FOR LOAD-SUPPORTING PURPOSES SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THIS SECTION. SEE SECTION 9001.1 THROUGH 9001.1.1 FOR FURTHER SPECIFICATIONS.

PROVIDE DESIGN.
STILES SHALL BE A MINIMUM 1 1/2 INCH DIA OR 2 INCH GRADE LUMBER.

NOTE: SEE SECTION 902.1 FOR DETAIL.

PROVIDE DESIGN AND CONSTRUCTION.
EXTERIOR WALLS OF WOOD-FRAME CONSTRUCTION SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THIS CHAPTER AND FIGURES 9002.1.1 AND 9002.1.2, OR IN ACCORDANCE WITH FIGURE 9002.1.3. CONNECTIONS OF EXTERIOR WALLS SHALL BE FASTENED TO FOUNDATION WITH TABLE 9002.1.3 THROUGH 9002.1.3.4. WALL FASTENING SHALL BE FASTENED DIRECTLY TO FOUNDATION MEMBERS AND, WHEN FASTENED ON THE EXTERIOR SIDE OF EXTERIOR WALL, SHALL BE CAPABLE OF RESISTING THE WIND PRESSURE LISTED IN TABLE 9002.1.3.1. WALLS ADJUSTED FOR HEIGHT AND EXPOSURE USING TABLE 9002.1.3.2 AND SHALL CONFORM TO THE REQUIREMENTS OF TABLE 9002.1.3. WALLS FASTENING USED ONLY FOR EXTERIOR WALL COVERING PURPOSES SHALL COMPLY WITH SECTION 9002.1.3.5. STILES SHALL BE CONTINUOUS FROM SUPPORT AT THE SOLE PLATE TO AS SUPPORT AT THE TOP PLATE TO RESIST LOADS PERPENDICULAR TO THE WALL. THIS SUPPORT SHALL BE FOUNDATION OR FLOOR, CEILING OR ROOF (SHEATHING OR SHALL BE DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE.

NOTE: SEE SECTION 902.1 FOR DETAIL.

SEE SECTION 902.1 THROUGH 902.1.3 FOR FURTHER SPECIFICATIONS.

REFER TO THE RC FOR FURTHER INFORMATION ON THE FOLLOWING AREAS:

9002.1 INTERIOR LOAD-BEARING WALLS.
9002.1 INTERIOR NON-BEARING WALLS.
9002.1 EXTERIOR AND INTERIOR STILES.
9002.1 HEADERS.
9002.1 FLOORING REQUIRED.
9002.1 RAFTERS REQUIRED.

PROVIDE WALL BRACKETS.
BRACKETS SHALL BE INSTALLED IN ACCORDANCE WITH THE SECTION OR, WHEN APPLICABLE, SECTION 9002.1.3.5. WHERE A BUILDING OR PORTION THEREOF, DOES NOT COMPLY WITH ONE OR MORE OF THE BRACKING REQUIREMENTS IN THIS SECTION, THESE REQUIREMENTS SHALL BE DESIGN AND CONSTRUCTED IN ACCORDANCE WITH SECTION 9001.1.

REFER TO SECTION 902.1 THROUGH 902.1.3 FOR BRACKED WALL PANELS, DESIGN AND DETAIL.

REFER TO THE RC FOR THE FOLLOWING SECTIONS:

9002.1.3.1 COLD-FORMED STEEL WALL FRAMING.
9002.1.3.2 WOOD-FRAME EXTERIOR WALLS.
9002.1.3.3 WOOD-FRAME INTERIOR WALLS.
9002.1.3.4 EXTERIOR MASONRY CONSTRUCTION.
9002.1.3.5 EXTERIOR MASONRY CONSTRUCTION.
9002.1.3.6 EXTERIOR CONCRETE WALL CONSTRUCTION.
9002.1.3.7 EXTERIOR INSULATED PANEL WALL CONSTRUCTION.

SECTION 9003 EXTERIOR WINDOWS AND DOORS.

PROVIDE GENERAL.
THIS SECTION PREScribes PERFORMANCE AND CONSTRUCTION REQUIREMENTS FOR EXTERIOR WINDOWS AND DOORS INSTALLED IN WALLS. WINDOWS AND DOORS SHALL BE INSTALLED IN ACCORDANCE WITH THE FASTENING MANUFACTURER'S WRITTEN INSTRUCTIONS. WINDOW AND DOOR OPERATORS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION 9003.1. WRITTEN INSTALLATION INSTRUCTIONS SHALL BE PROVIDED BY THE MANUFACTURER FOR EACH WINDOW OR DOOR.

PROVIDE PERFORMANCE. EXTERIOR WINDOWS AND DOORS SHALL BE CAPABLE OF RESISTING THE DESIGN WIND LOADS SPECIFIED IN TABLE 9003.1.1. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.1. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.2. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.3. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.4. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.5. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.6. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.7. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.8. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.9. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.10. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.11. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.12. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.13. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.14. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.15. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.16. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.17. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.18. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.19. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.20. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.21. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.22. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.23. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.24. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.25. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.26. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.27. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.28. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.29. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.30. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.31. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.32. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.33. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.34. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.35. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.36. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.37. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.38. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.39. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.40. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.41. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.42. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.43. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.44. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.45. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.46. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.47. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.48. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.49. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.50. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.51. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.52. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.53. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.54. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.55. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.56. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.57. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.58. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.59. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.60. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.61. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.62. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.63. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.64. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.65. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.66. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.67. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.68. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.69. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.70. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.71. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.72. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.73. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.74. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.75. DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 9003.1.1.76. 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