Permit Information Package for Common Residential Projects (Excluding New Residences)





Building Code Enforcement Branch 1002 Washington Avenue, Houston, TX 77002 Phone: 832-394-9494

Revised 04-01-2022

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BUILDING CODE ENFORCEMENTRESIDENTIAL ONE-STOP GUIDELINE

☑ Planning

☐ Traffic

⊠ Storm

INTRODUCTION

This guideline lists the various requirements for plan submittal and review of residential construction projects. **Note**: Application and plans must be submitted electronically. For information about the electronic process, refer to the EPR User Guides at https://www.houstonpermittingcenter.org/our-services/eservices

GENERAL REQUIREMENTS

<u>jen</u>	IERAL REQUIREMENTS
All p	projects reviewed by this section shall have the following items prior to review:
	Application. Building Permit Application is completed via <u>iPermits</u> .
	Declaration in Support of Application for City of Houston Building Permit . Complete the appropriate form below and upload to iPermits when completing the building permit application.
	Individual Owner Business Entity Owner
	<u>Note</u> : The declaration must be signed by the property owner and will be validated against HCAD records. If ownership does not match HCAD, applicants must also upload proof of ownership.
	Project Number. The project number will be generated by iPermits once the plan review fee (if applicable) is paid.
	Plans. Plans shall be drawn to scale and clearly labeled with dimensions.

IMPORTANT NOTES

ADDITIONS

- Properties located in the floodplain are required to obtain approval from the Flood Plain Section on all projects.
- It is imperative that you verify if there are any deed restrictions in your subdivision. <u>Permits may be revoked for deed restriction violations.</u>

Other Reviews Required:

SPECIFIC REQUIREMENTS BY PROJECT TYPE

- Door and window schedule or plan with all dimensions clearly indicated.

location of purlins. (Professional Engineer designed plans may be required)

The following projects may be reviewed by the One-Stop group, if the review time is ≤ 30 minutes. All of the required documents and plans listed below must be uploaded to $\frac{\text{ProjectDox}}{\text{ProjectDox}}$ in the appropriate subfolder.

Grading for Excavation and Fill Worksheet (Form 1094) - The worksheet will determine if a Residential Grading for Excavation and Fill Permit is required.
If required, the "Residential Grading Permits for Excavations and Fill Application (Form 1084)" shall be submitted.
<u>Calculation of Impervious Percentage (Form 1207)</u> - For lots less than 15,000 sq. ft. to determine whether lot has 65% or more of impervious cover. Note: Lots over 15,000 sq. ft. shall be submitted for review by the Storm Section.
Complete plans including the following items:
- Texas registered survey or complete site plan showing existing property lines, easements, building setback lines, and showing the existing building, proposed addition and any other structures located on the site.
- Foundation plans showing pad location, concrete strength, beam details with dimensions, and the steel bar layout with sizes noted. (Professional Engineer designed plans may be required for concrete slabs)
- If block and base, indicate the size, spacing, grade, and species of floor joists.
- Floor plans that include the addition and footprint of the existing building showing in detail the adjacent areas of the existing building, with use of each room labeled, and the location of partitions, windows and doors identified.

- Plans shall indicate materials used.

or Appendix L of the IRC)

or IC3 Compliance Report.

- Roofing and Framing plans indicating size, spacing, grade, and species of ceiling joists and rafters, and if required, the

- Plans must include details showing how compliance with windstorm or strapping is achieved. (Reference Section 302

- Plans must show prescriptive compliance with the 2015 International Energy Conservation Code or include REScheck

- Wall section details indicating size, spacing, grade, and species of studs to determine the method of bracing.

RESIDENTIAL ONE-STOP GUIDELINE

RE	EMODELS	Other Reviews Required: ☐ Planning ☐ Taps & Meters ☐ Traffic ☐ Storm							
	Complete plans including the following items:								
	 Provide floor plan of existing building and show in detail affected area. Wall section details to determine bearing and non-load bearing walls. Plans shall indicate materials used. 	 Demolition of any load bearing walls will require additional requirements to determine direction of ceiling joists, and the location of header and beam. Plans must show prescriptive compliance with the 2015 International Energy Conservation Code or include REScheck or IC3 Compliance Report. 							
NE	W GARAGES/CARPORTS/	Other Reviews Required: Planning Taps & Meters							
	ORAGES OVER 120 SQ. FT.	☐ Traffic ⊠ Storm							
	ORIGES OVER 120 SQ.11.								
	Grading for Excavation and Fill Worksheet (Form 1	094) - The worksheet will determine if a Residential							
	Grading for Excavation and Fill Permit is required.	-							
	If required, the "Residential Grading Permits for Excav	ations and Fill Application (Form 1084)" shall be submitted.							
		For lots less than 15,000 sq. ft. to determine whether lot							
_		15,000 sq. ft. shall be submitted for review by the Storm							
	Section.	12,000 sq. in shan so sachimod for to the way the sterin							
	Complete plans including the following items:								
J									
	- Texas registered survey or complete site plan showing existing property lines, easements, building setback lines, and the location of the residence and proposed garage/carport.								
	- Foundation plans if addition requires additional foundation, dimensions shall include beams and steel bars, and foundation conditions should be noted on plans. (Professional Engineer designed plans may be required for concrete slabs)								
	- If block and base, indicate the size, spacing, grade, and species of floor joists.								
	 Floor plan that includes the addition and footprint of the existing building showing in detail the adjacent areas of the existing building, with use of each room labeled, and the location of partitions, windows and doors identified. 								
	- Door and window schedule or plan with all dimensio	ns clearly indicated.							
	•								
	- Roofing and Framing plans indicating size, spacing, grade, and species of ceiling joists and rafters, and if required, the location of purlins. (Professional Engineer designed plans may be required)								
	- Wall section details indicating size, spacing, grade, at	nd species of studs to determine the method of bracing.							
	- Plans shall indicate materials used.								
	 Plans must show prescriptive compliance with the 2015 International Energy Conservation Code or include 								
	REScheck or IC3 Compliance Report.	-							
	DACE CONVERGIONS	Other Reviews Required: Planning Taps & Meters							
GA	ARAGE CONVERSIONS	☐ Traffic ☐ Storm							
	Complete plans including the following items:								
	- Texas registered survey or complete site plan showing existing property lines, easements, building setback lines, and showing the existing building, and any other structures located on the site to determine off-street parking. (Planning)								
	- Floor plan with use of each room labeled, and the location of partitions, windows and doors identified								
	- Door and window schedule or plan with all dimensions clearly indicated.								
	TTT 11	,							

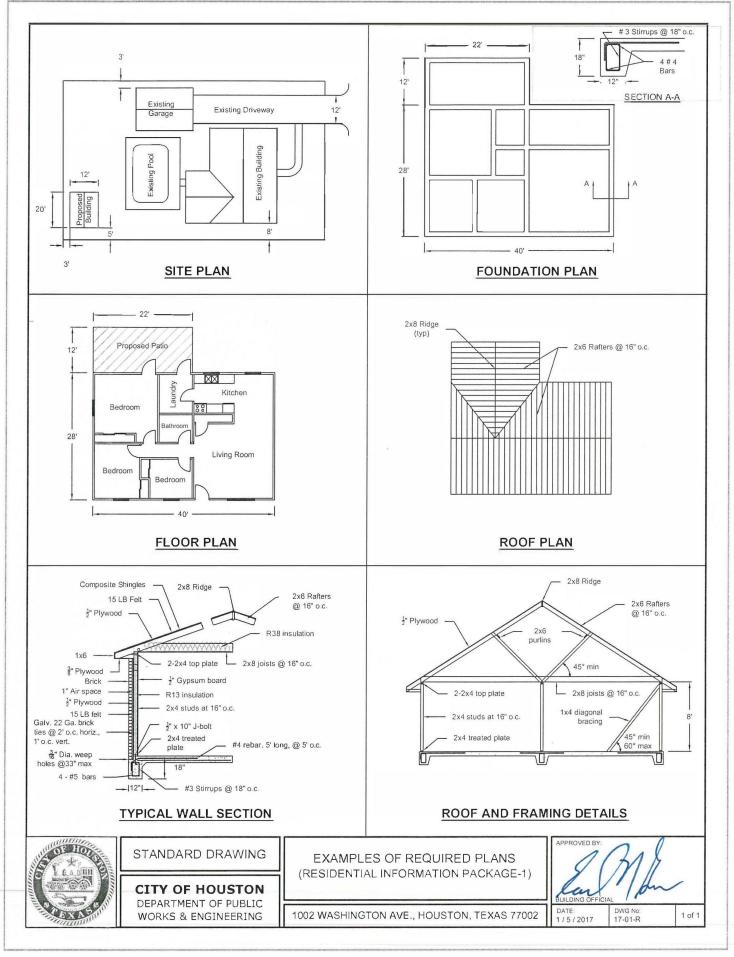
- Wall section details to determine bearing and non-load bearing walls.

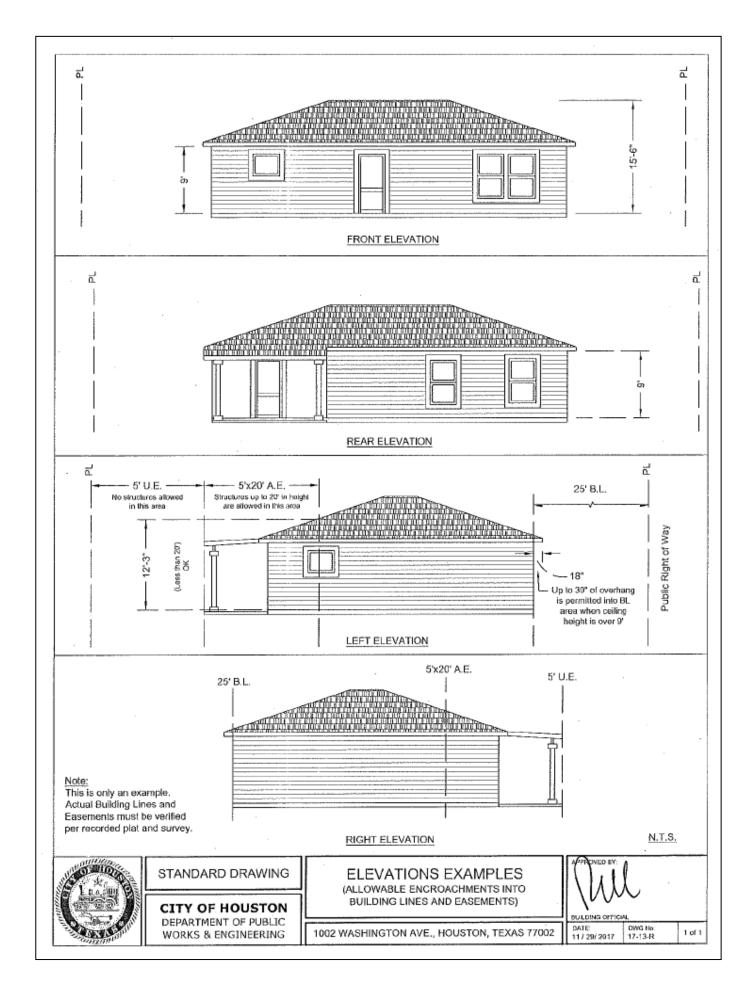
- Demolition of any load bearing walls will require additional requirements to determine direction of ceiling joists, and the location of header and beam.

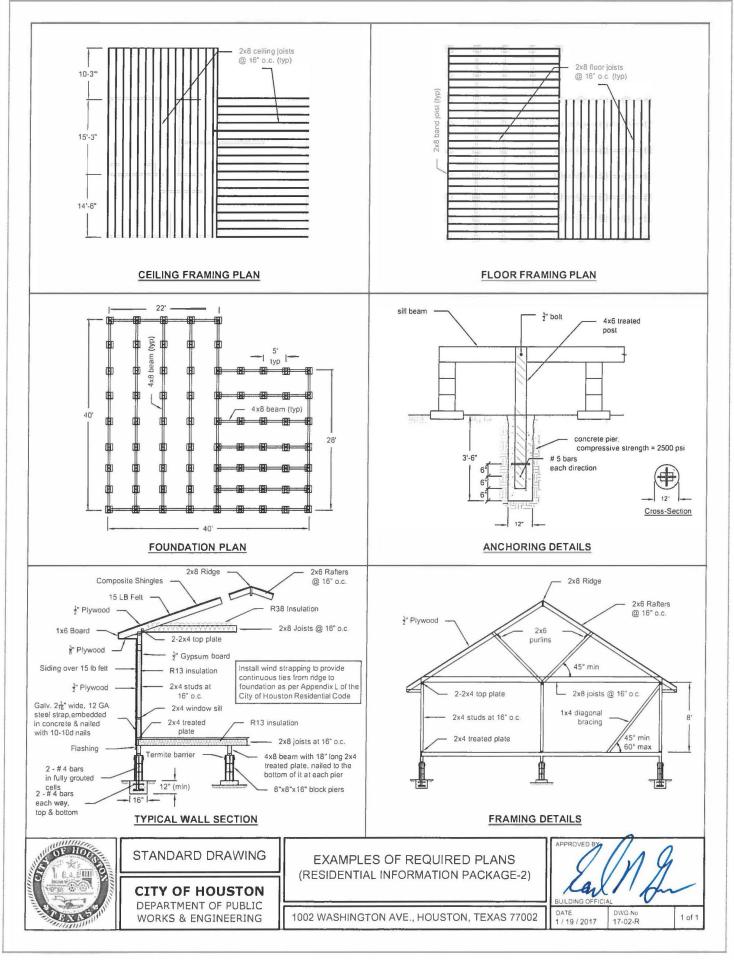
 Plans must show prescriptive compliance with the 2015 International Energy Conservation Code or include <u>REScheck</u> or <u>IC3</u> Compliance Report.

RESIDENTIAL ONE-STOP GUIDELINE

FENCES		Other Review	ws Required:			
Fences 8 feet or less, other than masonry or concrete, a		⊠ Planning	☐ Taps & Meters			
not electrically energized do not require a building per	mit.	☐ Traffic	□ Storm			
☐ Complete plans including the following items:						
- Texas Registered survey or complete site plan show	ing - Plaı	ns shall indicat	e materials for fencing and			
existing property lines, easements, building setback	-	ımns.	Č			
line and location of proposed fence layout to determ	ine - Sho	w height eleva	tion			
visibility.		•	gate(s) and method of operation			
- Structural section plan designed by a Professional			ol, manual, keypad)			
Engineer design is required.	(8	, ,	, , , ,			
Note: Drilled piers are not allowed on easements.						
MINOR REPAIRS (LIKE-FOR-LIKE CONST)	Other Review	ws Required:	☐ Planning ☐ Taps & Meters ☐ Traffic ☐ Storm			
□ Residential Repair Spec List (Form 1059)						
DRIVEWAY/SIDEWALK	Other Review	ws Required:	☐ Planning ☐ Taps & Meters ☐ Traffic ☐ Storm			
☐ Sidewalk-Driveway Curb & Gutter-Culvert Parkin	g Lot Permit A	application (Fo	orm 1023)			
Texas Registered survey or complete site plan indica						
and showing the proposed driveway, curbs and/or sid			, 5			
Notes: ✓ Only a <u>bonded</u> contractor will be able to purchase	e this permit.					
✓ The homeowner may purchase the permit when c	urb cut is not inve	olved.				
✓ If the work involves replacing sidewalk panels	only for existin	g residential sid	dewalks (excludes any commercial			
property, new residential construction and sidewalks through driveways) refer to the Sidewalk Panel Replacement						
Guide for information about the requirements.						
CULVERTS	Other Review	ws Required:	☐ Planning ☐ Taps & Meters ☐ Storm			
☐ Sidewalk-Driveway Curb & Gutter-Culvert Parkin	g Lot Permit A	application (Fo	orm 1023)			
☐ Site plan indicating location and width of driveway.						
Notes: ✓ Must be a minimum of 24" diameter and not le	ess than the neare	st unstream culv	ert nine			
✓ Only the homeowner or a bonded contractor m		•	ert pipe.			
Only the homeowner of a bonded contractor in	ay purchase ans	permit.				
CONTACT INFORMATION						
One-Stop Plan Review Section						
Hours: 8:00 am – 4:30 pm	Location: 1	002 Washington	Ave. 3 rd Floor, Houston, TX 77002			
Phone Number: (832) 394-8820	Email: C	OneStop.PlanRev	view@houstontx.gov			
Other Sections & Departments						
	332) 394-9494	mcaco	d@houstontx.gov			
Development Services (Planning)	332) 394-8849	⊠ <u>pd.site</u>	planreview@houstontx.gov			
1 .	332) 394-8854	⊠ fmo@l	houstontx.gov			
- · · · · · · · · · · · · · · · · · · ·	332) 394-8851	S				
1	332) 394-8888	⊠ taptech	ns@houstontx.gov			
·	32) 394-9164 32) 394-8840	⋈ atmt	and inspections@havetenty acre			
1	32) 394-8840 332) 393-6333	structu	aral.inspections@houstontx.gov			
· · · · · · · · · · · · · · · · · · ·	(13) 274-8600	⊠ ccinfo	@cco.hctx.net			
201 Caroline 3 rd Floor, Houston, TX 77002	2, =					







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City of Houston Building Inspection

CODE WORD 2012

INTERPRETATIONS AND APPLICATIONS OF THE HOUSTON ADOPTED CODES 2012 IBC, 2012 IRC, 2014 NEC, 2012 UMC, 2012 UPC, 2015 IECC and ASHRAE 90.1-2013

CW No:	2012-R10	Page:	1	of	1		
PUBLICATION:	Revision December 10, 201	13					
SUBJECT: Block and Base Foundations							
CODE(S):	Residential & Building						
SECTION(S)	R403.1 & R403.2 (IRC) an	nd 1809.9(IBC)					

This policy is an acceptable alternate as per Section 104.11 of the Building Code for existing buildings when performing maintenance or repair of existing block and base foundations. This alternative shall apply to conventional light-frame construction designed with girders and supported on blocks and bases in such a manner that the building can be easily leveled any time after the full load has been applied. For repair of existing block and base foundations the following apply:

- 1. All loose material and vegetation must be removed to ensure solid bearing beneath bases.
- 2. End joints of girders shall occur over supports.
- 3. Minimum thickness of concrete bases shall be 4 inches.
- 4. The minimum width of the structure shall not be less than the overall height.
- 5. Girders shall not be placed further than the depth of the joist from the exterior wall.

For new and relocated buildings, as well as additions, block and base foundations shall be designed by a Texas registered Professional Engineer to comply with the applicable code sections, or in accordance with Code Enforcement Drawing #13-05-R

This interpretation is applicable to all building plans submitted on or after March 1, 2014.

Approved:

Earl N. Greer, Building Official



BUILDING CODE ENFORCEMENTREQUIREMENTS FOR ENGINEER SEALS

The Texas Engineering Practice Act, Section 1001.402, states that a public official of this state, or of a political subdivision of this state, who is responsible for enforcing laws, ordinances, codes or regulations that affect the practice of engineering may accept plans, specifications and other related documents only if those plans, specifications and other related documents were prepared by registered professional engineers, as evidenced by the seal of the engineer.

Section 1001.056 exempts the following from the provisions of the Act:

- A private dwelling, one story apartment buildings not exceeding eight units, two story apartment buildings not exceeding four units, garages or other structures pertinent to such buildings;
- 2. Private buildings used exclusively for farm, ranch or agricultural purposes, or used exclusively for storage of raw agricultural commodities; or
- 3. Other one-story buildings, except public buildings, containing no clear span between supporting structures greater than 24 feet on the narrow side and having a floor area of 5,000 square feet or less.

Section 1001.053 exempts the following public works from the provisions of the Act:

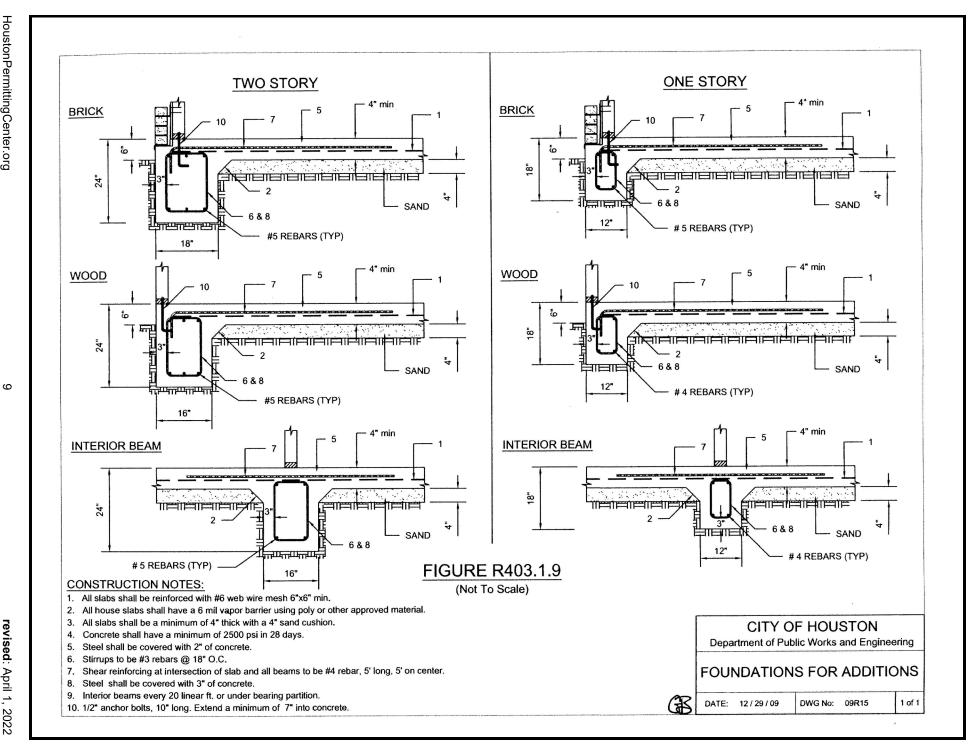
- 1. A public work that involves electrical or mechanical engineering, if the contemplated expense for the completed project is \$8000.00 or less.
- 2. A public work that does not involve electrical or mechanical engineering, if the contemplated expense for the completed project is \$20,000.00 or less.

Plans submitted for permits will require engineer seals in accordance with state law unless specifically exempt.

The Office of the Attorney General of the State of Texas has determined that the design of air conditioning systems that licensed air conditioning contractors are permitted to perform under the Air Conditioning Contractor License Law (Article 8861 of V.T.C.S), serves as an exception to the Engineering Practice Act (Article 3271a of V.T.C.S.).

Similarly, the design of electrical and plumbing systems that licensed electrical and plumbing contractors are permitted to perform serves as an exception to the Engineering Practice Act.

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APPENDIX L

CONVENTIONAL LIGHT-FRAME WOOD CONSTRUCTION FOR SINGLE FAMILY RESIDENTIAL CONSTRUCTION IN HIGH-WIND AREAS

SECTION AL101 GENERAL

AL101.1 Scope. This chapter applies to regular-shaped single family residential buildings that are not more than three stories in height and are of conventional light-frame construction.

Exception: Detached carports and garages not exceeding 700 square feet (65 m²) and accessory to Group R 3 occupancies need only comply with the roof-member-to-wall-tie requirements of Section AL 103.8.

SECTION AL102 DEFINITION

CORROSION RESISTANT or NONCORROSIVE. Refers to a material having a corrosion resistance equal to or greater than a hot-dipped galvanized coating of 1.5 ounces of zinc per square foot (4 g/m²) of surface area. When an element is required to be corrosion resistant or noncorrosive, all of its parts, such as screws, nails, wire, dowels, bolts, nuts, washers, shims, anchors, ties and attachments, shall also be corrosion resistant or noncorrosive.

SECTION AL103 COMPLETE LOAD PATH AND UPLIFT TIES

AL103.1 General. Blocking, bridging, straps, approved framing anchors or mechanical fasteners shall be installed to provide continuous ties from the roof to the foundation system. Tie straps shall be 1 1/8 inch (28.6 mm) by 0.036 inch (0.91 mm) (No. 20 gauge) sheet steel and shall be corrosion resistant as herein specified. All metal connectors and fasteners used in exposed locations or in areas otherwise subject to corrosion shall be of corrosion-resistant or noncorrosive material. The number of common nails specified is the total required and shall be equally divided on each side of the connection. Nails shall be spaced to avoid splitting of the wood.

Exception: Pre-manufactured connectors that provide equal or greater tie-down capacity may be used, provided that they are installed in compliance with all the manufacturer's specifications.

AL103.2 Wall-to-foundation tie. Exterior walls shall be tied to a continuous foundation system or an elevated foundation system in accordance with Section AL105

AL103.3 Sills and foundation tie. Foundation plates resting on concrete or masonry foundations shall be bolted to the foundation with not less than ½ inch diameter (13 mm) anchor bolts with 7inch (178 mm) minimum embedment into the foundation and spaced not more than 4 feet (1,219 mm) on center.

AL103.4 Floor-to-foundation tie. The lowest level exterior wall studs shall be connected to the foundation sill plate or an approved elevated foundation system with bent tie straps spaced not more than 32 inches (813 mm) on center. Tie straps shall be nailed with a minimum of 4 ten penny nails.

AL103.5 Wall framing details. The spacing of studs in exterior walls shall be in accordance with Chapter 23. Mechanical fasteners complying with this chapter shall be installed at a maximum of 32 inches (813 mm) on center as required to connect studs to the sole plates, foundation sill plate and top plates of the wall. The fasteners shall be nailed with a minimum of 8 eight penny nails.

Where openings exceed 4 feet (1,219 mm) in width, the required tie straps shall be secured at each edge of the opening and connected to a doubled full-height wall stud. When openings exceed 12 feet (3,658 mm) in width, two ties or a manufactured fastener designed to prevent uplift shall be provided at each connection.

AL103.6 Wall sheathing. All exterior walls and required interior main cross-stud partitions shall be sheathed in accordance with Chapter 6.

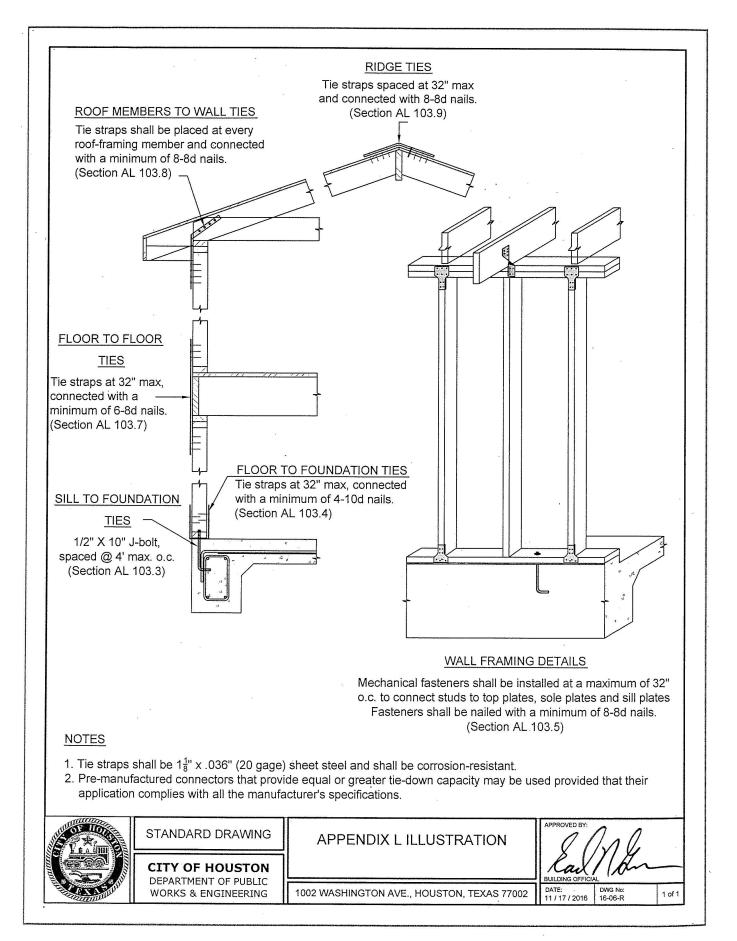
- **AL103.7 Floor-to-floor tie.** Upper level exterior wall studs shall be aligned and connected to the wall studs below with tie straps placed a minimum of 32 inches (813 mm) on center and connected with a minimum of 6 eight penny nails per strap.
- **AL103.8 Roof-members-to-wall tie**. Tie straps shall be provided from the side of the roof-framing member to the supporting member below the roof. Tie straps shall be placed at every roof framing member and connected with a minimum of 8 eight penny nails.
- **AL103.9 Ridge ties**. Opposing common rafters shall be aligned at the ridge and be connected at the rafters with tie straps spaced a maximum of 32 inches (813 mm) on center and connected with 8 eight penny nails.
- **AL103.10 Gable end walls**. Gable end wall studs shall be continuous between points of lateral support that are perpendicular to the plane of the wall. Gable end wall studs shall be attached with approved mechanical fasteners at the top and bottom. 8 eight penny nails shall be required for each fastener. Fasteners shall be spaced a maximum of 32 inches (813 mm) on center.

SECTION AL104 ROOFS

- **AL104.1 Roof sheathing**. Solid roof sheathing shall be nailed to roof framing in an approved manner and shall consist of a minimum 1 inch thick (25.4 mm) nominal lumber applied diagonally or a minimum 15/32 inch thick (11.9 mm) wood structural panel or particle board (OSB) or other approved sheathing applied with the long dimension perpendicular to supporting rafters. The end joints of wood structural panels or particle board shall be staggered and shall occur over blocking, rafters, or other supports.
- **AL104.2 Roof covering**. Roof coverings shall be approved and shall be installed and fastened in accordance with Chapter 9 or with the manufacturer's instructions, whichever is most restrictive.
- **AL104.3 Roof overhang**. The roof eave overhang shall not exceed 3 feet (914 mm) unless an analysis is provided showing that the required resistance is provided to prevent uplift. The roof overhang at gabled ends shall not exceed 2 feet (610 mm) unless an analysis showing that the required resistance to prevent uplift is provided.

SECTION AL105 ELEVATED FOUNDATION

- **AL105.1 General**. When approved, elevated foundations supporting not more than one story and meeting the provisions of this section may be used. A foundation investigation may be required by the building official.
- **AL105.2 Material**. All exposed wood framing members shall be treated wood. All metal connectors and fasteners used in exposed locations shall be corrosion-resistant or noncorrosive steel.
- **AL105.3 Wood piles**. The spacing of wood piles shall not exceed 8 feet (2,438 mm) on center. Square piles shall not be less than 10 inches (254 mm) and tapered piles shall have a tip of not less than 8 inches (203 mm). Eight inch square (5,161 mm²) piles shall have a minimum embedment length of 5 feet (1,524 mm) and shall project not more than 8 feet (2,438 mm) above undisturbed ground surface. Eight inch (203 mm) taper piles shall have a minimum embedment length of 6 feet (1,828 mm) and shall project not more than 7 feet (2,134 mm) above undisturbed ground surface.
- **AL105.4 Girders**. Floor girders shall consist of solid sawn timber, built up 2 inch thick (51 mm) lumber, or trusses. Splices shall occur over wood piles. The floor girders shall span in the direction parallel to the potential floodwater and wave action.
- **AL105.5 Connections**. Wood piles may be notched to provide a shelf for supporting the floor girders. The total notching shall not exceed 50 percent of the pile cross section. Approved bolted connections with $\frac{1}{4}$ inch (6.4 mm) corrosion-resistant or noncorrosive steel plates and $\frac{3}{4}$ inch diameter (19 mm) bolts shall be provided. Each end of the girder shall be connected to the piles using a minimum of two $\frac{3}{4}$ inch diameter (19 mm) bolts



Compliance Path Overview

There are four (4) ways to show compliance to the 2015 International Energy Conservation Code (IECC):

- 1. **Prescriptive Method** (3 options)
 - a. *R-Value Computation (R402.1.2)*.
 - b. *U-Factor Alternative (R402.1.4)*
 - c. *Total UA Alternative* (R402.1.5)
- 2. **Performance Method** (Section R405.3)
- 3. ERI Energy Rating Index (Section R406.2)
- 4. **Above Code Programs**, such as Energy Star are allowed per the Texas Health and Safety Code

Prescriptive Method: R-Value Computation

To show energy conservation compliance using the R-Value Computation Compliance Method (*Section R402.1.2 of the 2015 IECC*) specify the following required insulation and fenestration values for Climate Zone 2:

- Maximum Fenestration U-Factor: 0.40 (0.65 for Skylights*)
- Maximum Glazed Fenestration SHGC: 0.25
- Minimum Ceiling R-Value: 38
- Minimum Wall R-Value: 13
- Minimum Floor R-Value: 13
- * Skylights may be excluded from glazed fenestration SHGC requirements in climate zones 1 through 3 where the SHGC for such skylights does not exceed 0.30.





Building Code Enforcement Branch 1002 Washington Avenue, Houston, TX 77002 Phone: 832-394-9494

Revised 04-01-2022



BUILDING CODE ENFORCEMENT GRADING PERMITS FOR EXCAVATION AND FILL WORKSHEET

Appendix J of the Houston Adopted 2015 International Building Code as Amended specifies permit requirements for grading a lot of any size on private property. Section 1 – Identifies when a separate "Grading Permit" is required. Section 2 – Identifies the type of grading permit required, "Engineered Grading or Regular Grading", when a "Geotechnical Report" is required in the plans, and when a "Storm Availability Letter" is required to be attached to the submittal documents.

Grading and/or excavation permits is required for any proposed work that includes excavations, grading, or fill, or combination thereof, and includes but is not limited to the following permit types:

- Excavation Permit(s) Work proposing the mechanical removal or relocation of earth material.
- Fill Permit(s) Work proposing deposit(s) and/or relocation of earth material placed by artificial means.

NOTE: THERE SHALL BE NO FILL LOCATED WITHIN A PUBLIC RIGHT-OF-WAY

		NOTE: THERE SHALL BE NO FILL LOCATED WITHIN A PUBLIC RIGHT-OF-WAY
SECTION 1:	Are	Permits and Plans Required?
A Grading Ex	cavat	ion permit and plans is required if "Yes" is answered to any question 1 through 4.
	(1)	Does the excavation work affect the lateral support or increase the stresses in, or pressure upon any adjacent or contiguous property?
	(2)	When excavating below finish grade for basements and footings of a building, retaining wall or other structures authorized by a valid building permit, will there be an unsupported excavation height greater than 5-feet after completion of such structure?
	(3)	Will there be any excavation greater than 5-feet in depth?
	(4)	Will the excavation create a cut slope 2-feet or more in height but less than 5-feet, with a slope steeper than 1-unit vertical in 1.5-units horizontal? (66.7% slope)
		nit and plans is required if "Yes" is answered to any question 5 through 10. ,350 square feet @ 1-foot depth)
	(5)	Does the fill work affect the lateral support or increase the stresses in, or pressure upon any adjacent, or contiguous property?
	(6)	Does the scope of work include fill that is 3-feet or more in depth?
	(7)	Does the scope of work include fill greater than 1-foot but less than 3-feet, with a slope that is equal to or greater than 1-unit vertical in 5-units horizontal? (20% slope)
	(8)	Does the scope of work include fill that is greater than 50 cubic yards on any one lot?
	(9)	Does the proposed fill obstruct any natural and/or previously constructed drainage course?
	(10)	Is proposed fill greater than 1-foot in depth and intended to support a structure, "now or in the future"?
SECTION 2:	Wh	at Type of Permits and Plans Are Required?
NOTE: When	n the	building official has cause to believe that site geologic factors exist, grading will be required to conform to ng, inspection, and testing by a <i>Texas Professional Engineer</i> .
by a Texas pr	ofess	g plans are required if "Yes" is answered to question 11. Plans shall be designed, sealed, signed, and dated ional engineer. These grading permits shall be designated as <i>"Engineered Grading".</i> = 27,000 square feet, @ 1-foot depth)
	(11)	Does the proposed project include an aggregate grading in excess of 1,000 cubic yards?
Grading plan	s shal	I be designated "Regular Grading" if "Yes" is answered on question 12: (no engineered plans required.) Is the grading less than or equal to 1,000 cubic yards?
A Geotechnic		port is required if "Yes" is answered to any one of questions 13, 14 or 15: Will there be any cut slopes steeper than 1-unit vertical in 2-units horizontal (50% slopes)?
	(14)	Is there any grading that requires an engineered design? (Reference item 11 above and Chapter 19 of the City Code.)
	(15)	Does the site include any special geological features and/or considerations?
	(16)	Is the property located in the 100- or 500-year flood plain? Review by Flood Department required!
A Stormwate 16 or 17:	r info	rmation form is required to be included with the submitted documents if "Yes" is answered to questions
	(17)	Does the scope of work to lots exceeding 15,000 square feet, include any new impervious cover?
	(18)	Does the project include connection to the city's public storm sewer system?
ADDRESS		PROJECT # DATE

NAME OF APPLICANT

PRINT



BUILDING CODE ENFORCEMENT CALCULATION OF IMPERVIOUS PERCENTAGE

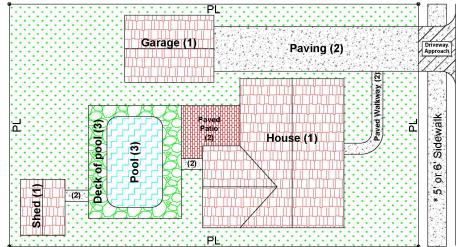
Right of Way

PROJECT INFORMATION

City Project Number:	Date:
Address:	
Applicant's Printed Name:	Applicant's Signature:

CALCULATION OF IMPERVIOUS AREA PERCENTAGE

A. Total area of impervious cover located on private property.



This diagram is to assist in identifying the various items considered impervious.

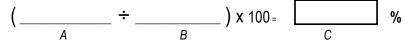
IMPORTANT NOTES

- If > 65%, refer the Infrastructure Design Manual (IDM), Chapter 9, Section H for additional provisions and provide calculation in the submitted plans for review.
- 2. Permeable Paver/Pavement System must be considered impervious in the table below.
- 3. Stormwater Quality Permit is requested (according to IDM, Ch. 9) for using these Low Impact Development (LID) techniques.
- 4. All drainage plans will be reviewed by the Storm Review team.

	Existing Sq. Ft.	Proposed Sq. Ft.		Final Sq. Ft.	Disturbed Sq. Ft.
Building(s) (e.g., house, garage, shed, carport)	+	⇒	=	Φ+	⊕+
2. Paving (e.g., driveway, sidewalk, patio. etc.)	+	⇒	=	Û+	Û+
3. Detention Ponds, etc.	+	. ⇒	=	Û+	Û+
4. Swimming Pool	+	. ⇒	=	Û+	Û+
5. Others	+	· ⇒	=	Û+	Û+
Totals	+		=	sq. ft. (A)	sq. ft.

1

- B. Total Area of Lot: _____ sq. ft.
- C. Percentage Impervious Area Calculation



^{* 6&#}x27; sidewalk for major thoroughfare