



RESIDENTIAL BUILDER'S INFORMATION PACKET





Permit No. _____

City of Rosenberg RESIDENTIAL BUILDING PERMIT APPLICATION

2220 4th Street, Rosenberg, Texas 77471

Telephone: 832-595-3500 | Fax: 832-595-3501 | www.rosenbergtx.gov

Inspection Request Line: 832-595-3401 - Before 5:30 pm will be next business day, after 5:30 pm will be two business days

Project Address: _____

Subdivision: _____ Lot: _____ Block: _____ Section Number: _____

Customer(s) Name: _____

Address: _____ City: _____ State/Zip: _____

Phone: _____ Fax: _____ E-mail: _____

Type of Work:

- | | |
|---|--|
| <input type="checkbox"/> New Residential – Total Sq. Footage: _____ | <input type="checkbox"/> Residential Remodel – Interior/Exterior |
| Total Heated/Cooled Sq. Footage: _____ | <input type="checkbox"/> Residential Addition – Sq. Footage: _____ |
| <input type="checkbox"/> Carport/Garage – Sq. Footage: _____ | <input type="checkbox"/> Demolition |
| <input type="checkbox"/> Driveway | <input type="checkbox"/> Fencing (Over 7 ft. height) |
| <input type="checkbox"/> Sidewalk | <input type="checkbox"/> Re-Roof |
| <input type="checkbox"/> Storage Building (larger than 200 sq. ft.) | <input type="checkbox"/> Foundation/Leveling |
| <input type="checkbox"/> Swimming Pool | <input type="checkbox"/> Other: _____ |

ALL RESIDENTIAL PERMIT APPLICATIONS MUST SUBMIT ONE HARD COPY AND ONE CD (IN PDF FORMAT) OF PLANS, APPLICATION AND ASSOCIATED DOCUMENTATION FOR PERMIT REVIEW!!!

Meter: For new/changed meter(s), impact fees will apply. See fee schedule attached for impact fees. Additional tap fees may apply.

Please indicate the following:

No. of new or changed water meters: _____

Type: Domestic Irrigation Size: _____

Type: Domestic Irrigation Size: _____

Description of Work: _____

Valuation of Project: \$ _____

Contractor Information*: ***Must be registered with the City of Rosenberg**

Company Name: _____

Primary Contact(s): _____ E-mail: _____

Address: _____ City: _____ State/Zip: _____

Office Phone #: _____ Fax#: _____ Cell#: _____

Permit Review Check-Off List: Single Family Residence

Address: _____ Total Sq Footage: _____

Heated/Cooled Sq Footage: _____ Bedrooms _____ Bathrooms _____

Requirements Are:

- Permit application with total square footage; heated/cooled sq footage; valuation of project
- Plans comply with 2018 International Residential Code and local amendments
- Plans comply with 2017 National Electrical Code
- Plans comply with 2015 National Energy Code
- Site plan:
 - With all building lines & easements
 - Flood plain information: elevation certificate if within flood plain or flood way (to be reviewed on Form Survey submitted prior to framing inspection)
 - Finish floor to be noted on plan: 12" above TOC/18" above natural grade/12" above BFE which are even higher (to be reviewed on Form and Final Survey)
- Engineered or Architect (Building Designer) set of plans with plan elevation type and all options to be constructed marked
- copies of an engineered foundation plan (show lot and block) with wet seal on one copy
- Provide a plan:
 - Framing
 - Plumbing layout
 - Electrical layout
 - HVAC layout/Manual J
- Provide a plumbing riser diagram and a gas riser diagram
- Provide an electrical load analysis
- Provide a Res-check calculation report. (Energy rough-in & final inspection performed by a code certified inspector and provided with Certificate of Occupancy paperwork)
- Provide attic ventilation calculations
- Provide type of termite treatment
- Provide windstorm design for 110 MPH 3-second gust

PLEASE NOTE: SEPARATE PERMITS ARE REQUIRED FOR ELECTRICAL, PLUMBING, MECHANICAL, AND IRRIGATION. A PENALTY FEE EQUAL TO 3X'S THE PERMIT FEE WILL BE ASSESSED IF WORK IS STARTED WITHOUT A VALID PERMIT. APPROVED PERMIT BECOMES VOID IF WORK OR CONSTRUCTION AUTHORIZED IS NOT COMMENCED WITHIN 180 DAYS.

City of Rosenberg

The City of Rosenberg must receive with your permit application, two (2) sets of detailed drawings of any new construction, alteration, or remodel project. A site plan is required with any new construction or addition. City setback requirements must be met. The City of Rosenberg codes are available online at www.municode.com (Click online library, Texas, and Rosenberg) or at www.rosenbergtx.gov.

The City of Rosenberg has adopted 2018 International Residential Code, 2015 National Energy Code, and 2017 National Electrical Code. All building construction plans should adhere to these building codes.

Insurance Requirements:

The City of Rosenberg general liability requirements for Building, Electrical, Plumbing, and Mechanical contractors is \$500,000. Should the insurance be terminated or expire, no inspections will be performed until valid insurance is received. This is a requirement for any permit that requires general liability insurance. The policy must show the City of Rosenberg as a certificate holder.

General Information:

- Permits will only be issued for lots on approved subdivision plat, on file with the Planning Department.
- The City of Rosenberg collects water and wastewater impact fees in certain areas.
- Have your structure designed to meet 110 MPH-3 second gust wind speed.
- Approved plans with City Approved stamp must be available on site for the Building Inspectors to view when necessary.
- Address must be visible from the street.
- Plan check fees are due upon submittal of information. All fees of building, water, sewer, and impact fees are payable upon final approval of the building permit
- Standard turn around for Plan Review is 10-15 Business Days, non-cumulative. Resubmittals are subject to the same timeframe.

CITY OF ROSENBERG ACCEPTS CASH, CHECKS, AND MONEY ORDERS. VISA AND MASTERCARD ARE ALSO ACCEPTED WITH A 5% SURCHARGE.

I hereby certify I have read and examined this document and know the same to be true and correct. All provisions of law and ordinances governing this type of work will be complied with whether specified herein or not. I further understand that plans submitted for approval will be subjected to a comprehensive check against municipal ordinance and building code. Any set of plans that must be returned for modifications or corrections in order to come into compliance with ordinance or code will be subject to rechecking in order of submittal. **Under no circumstances will paid fees be refunded or transferred. Applications and plans will be held for 180 days. After 180 days this application and plans will be voided and disposed of unless a valid building permit is issued. All 3 pages must be filled in and submitted when making application for New Residential Permit.**

Signature of Owner or Authorized Agent

Date

FOR OFFICE USE ONLY	
PLAN CHECK FEE:	IMPACT FEE:
PERMIT FEE:	APPROVED BY:



RESIDENTIAL
BUILDING PERMIT & PLAN REVIEW FEE
CALCULATION FORM

ADDRESS: _____ TOTAL SQUARE FOOTAGE: _____

(A) RESIDENTIAL Building Permit fee:

(1) Fee: *TOTAL COVERED SQ. FT. _____ X \$0.32 = \$ _____

SUB-TOTAL BUILDING PERMIT FEES \$ _____

(B) RESIDENTIAL Plan Review Fee:

SUB-TOTAL BUILDING PERMIT FEE: \$ _____ /2 = \$ _____

TOTAL FEES:

(A) Building Permit fee + (B) Plan Review Fee = \$ _____

**IF WORK WAS STARTED BEFORE OBTAINING A VALID BUILDING PERMIT, FEES SHOWN
ARE TRIPLED**

Name of Person filling out this form: _____ Date: _____

* COVERED MEANS:

Garages[attached/detached] patios, porches, walkways, balconies, port-a-cohere,
accessory building, etc. Not attic storage unless the space is temperature controlled.

Exhibit "B"
Ordinance No. 2014-01
Adopted 1-21-2014

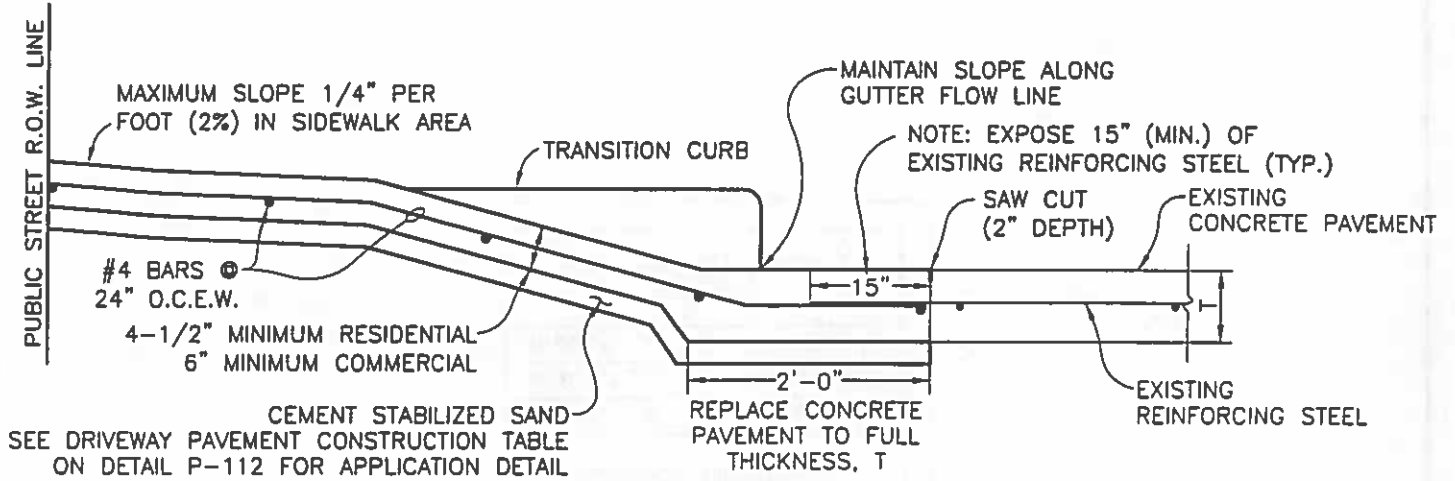
Table 14

***EFFECTIVE (COLLECTED) IMPACT FEES FOR VARIOUS WATER METER SIZES
 CITY OF ROSENBERG**

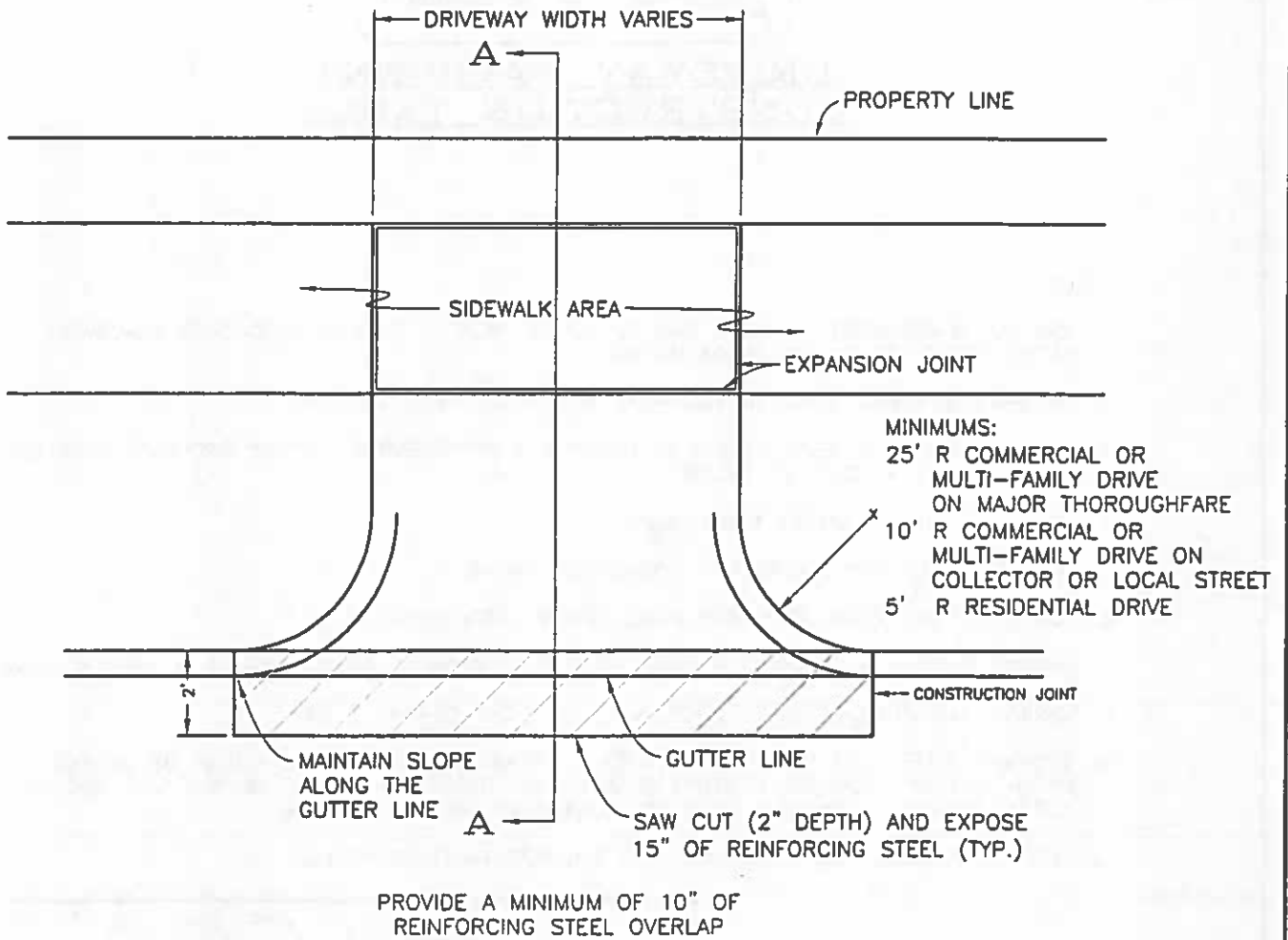
METER TYPE	METER SIZE	MULTIPLIER	EFFECTIVE (COLLECTED) IMPACT FEE		
			WATER	SEWER	BOTH
SIMPLE	5/8" X 3/4"	1.000	\$3,471.00	\$1,234.00	\$4,705.00
SIMPLE	3/4"	1.500	\$5,206.50	\$1,851.00	\$7,057.50
SIMPLE	1"	2.500	\$8,677.50	\$3,085.00	\$11,762.50
SIMPLE	1-1/2"	5.000	\$17,355.00	\$6,170.00	\$23,525.00
SIMPLE	2"	8.000	\$27,768.00	\$9,872.00	\$37,640.00
COMPOUND	2"	8.000	\$27,768.00	\$9,872.00	\$37,640.00
TURBINE	2"	10.000	\$34,710.00	\$12,340.00	\$47,050.00
COMPOUND	3"	16.000	\$55,536.00	\$19,744.00	\$75,280.00
TURBINE	3"	24.000	\$83,304.00	\$29,616.00	\$112,920.00
COMPOUND	4"	25.000	\$86,775.00	\$30,850.00	\$117,625.00
TURBINE	4"	42.000	\$145,782.00	\$51,828.00	\$197,610.00
COMPOUND	6"	50.000	\$173,550.00	\$61,700.00	\$235,250.00
TURBINE	6"	92.000	\$319,332.00	\$113,528.00	\$432,860.00
COMPOUND	8"	80.000	\$277,680.00	\$98,720.00	\$376,400.00
TURBINE	8"	160.000	\$555,360.00	\$197,440.00	\$752,800.00
COMPOUND	10"	115.000	\$399,165.00	\$141,910.00	\$541,075.00
TURBINE	10"	250.000	\$867,750.00	\$308,500.00	\$1,176,250.00
TURBINE	12"	330.000	\$1,145,430.00	\$407,220.00	\$1,552,650.00

* Landscape Irrigation Meters - No Impact Fee shall be collected for water taps exclusively for Landscape Irrigation systems.

Reference Ordinance No. 2014-03 - Section 29-269(e) Code of Ordinances adopted 1-24-14.



SECTION "A-A"



THE CITY OF ROSENBERG, FORT BEND COUNTY, TEXAS
DEPARTMENT OF PUBLIC WORKS

DRIVEWAY

DESIGN: CAK	CAD: STAFF	SCALE: NTS	DATE: 03/12	DRAWING: P-109
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CEMENT STABILIZED SAND <u>2-SK/C.Y.</u>	
RESIDENTIAL	4" MINIMUM
COMMERCIAL	6" MINIMUM
INDUSTRIAL	8" MINIMUM
REINFORCED CONCRETE PAVEMENT 3,000 PSI MIN.	
RESIDENTIAL	4" MINIMUM
COMMERCIAL	6" MINIMUM
INDUSTRIAL	8" MINIMUM

DRIVEWAY PAVEMENT CONSTRUCTION TABLE

NOTES:

1. SAW CUT & BREAKOUT NO MORE THAN 72 HOURS PRIOR TO PROPOSED CONCRETE PLACEMENT. NOTIFY CITY OF ROSENBERG PRIOR TO CUT.
2. UNSTABLE SUBGRADE SHALL BE EXCAVATED & REPLACED WITH CONCRETE.
3. IT IS CONTRACTOR'S RESPONSIBILITY TO NOTIFY CITY OF ROSENBERG OF ANY BIRD BATH PROBLEMS PRIOR TO CONSTRUCTION OF DRIVEWAY.
4. USE 1"x2" TREATED STAKES FOR HEADER.
5. EDGE ALL SIDES WITH EDGING TOOL AND BROOM FINISH.
6. FOR INDUSTRIAL DRIVES, PAVEMENT SHALL HAVE A DEPTH OF 8" (IN.).
7. EXPANSION JOINT AT PROPERTY LINE REQUIRED. 3/4" REDWOOD BOARD WITH NO. 4 DOWELS MINIMUM.
8. MAXIMUM ALLOWABLE DRIVEWAY GRADE IN PUBLIC RIGHT-OF-WAY IS 5%.
9. DRIVEWAY GRADE MUST MEET A.D.A. AND T.A.S. SIDEWALK SLOPE, SIDEWALKS MUST BE SCORED TO MATCH ADJACENT SIDEWALK. IF SLOPE IS CONTINUED THROUGH THE RIGHT-OF-WAY LINE, PROVIDE A 3/4" REDWOOD EXPANSION JOINT WITH DOWELS AT RIGHT-OF-WAY LINE.
10. REFER TO GENERAL, C.S.S., ASPHALT, AND CONCRETE PAVEMENT NOTES.

*THE CITY OF ROSENBERG, FORT BEND COUNTY, TEXAS
DEPARTMENT OF PUBLIC WORKS*

STANDARD DRIVEWAY CONSTRUCTION TABLE & NOTES

<i>DESIGN:</i> CAK	<i>CAD:</i> STAFF	<i>SCALE:</i> NTS	<i>DATE:</i> 12/10	<i>DRAWING:</i> P-112
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STRUCTURAL INSPECTION CHECKLIST

Inspection Checklist

Foundation

1. Prior to any inspection, a form survey must be submitted the day before inspection, reviewed and approved. The survey, prepared by a surveyor licensed by the State of Texas.
 - (a) Building setbacks - front, side and rear.
 - (b) Top of form elevation that complies with 12 inches above the top of curb of the front street or 12 inches above the base flood plain elevation or 18" above natural grade, **which ever is higher.**
 - (c) No foundation encroachment of any kind into easements, drainage easements or setbacks.
 - (d) A dropped thick brick ledge will be required if top of form is more than 18" above natural grade to maintain a 5% side yard slope to property line.

Exception: Foundation piers (an inspection lab shall inspect all fdn. piers & submit an approval report to the permit office) & in-ground plumbing may be installed and inspected at builders risk prior to form survey.
2. Drainage easements shall not be enclosed by fencing.
3. Foundation shall comply with engineering drawings.
4. Water shall be in building drain pipes throughout. If it is not full a leak will be assumed.
5. No plumbing/electrical/mechanical shall interfere with the structural integrity of the foundation.
6. No construction shall begin until concrete has reached 70% of its strength (fourth day) or until approved by engineer.
7. Plumbing pipes shall be sleeved as required and have mastic protecting PVC piping where in contact with concrete.

Wood Framing

Framing

1. All rough-ins (plumbing, electrical, HVAC) must have passed inspection.
2. All framing (walls, joists, rafters, headers, stairs, beams, lentals) must comply with approved plans. All walls with DWV are recommended to be 2"x6" size minimum. Utility grade lumber has limited use, be careful on installing utility grade lumber.
3. All framing members must comply with the Boring and Notching Standard.

Note: Should natural cracks in framing exceed what would be allowed in the Boring and Notching Standards, additional bracing shall be required.
4. Blocking is not allowed – joist hangers shall be used as designed (fill all holes) or ledger strips.
5. Emergency escape windows have a maximum height above floor of 44" to the bottom of the clear opening and size of egress windows.
6. Anchor bolts and spacing – 12" from openings and corners, then 4' on centers or as engineered.
7. Any spliced rafter shall have ½" plywood nailed and glued on both sides and shall be vertically supported from bearing wall or beam.
8. Purlin and braces installed properly.
9. Rafters and joist shall form a continuous tie from one side of structure to the other.
10. Collar ties upper third.
11. Ridge boards shall support full cut length of attaching rafters
12. Rafters shall be opposite each other along the ridge.

Note: Should improper angles be cut, additional bracing may be required for structural support.
13. Should studs be cut to plumb a wall, a brace 24" long shall be nailed to side for reinforcement – load bearing only. If double stud, both sides shall be braced.
14. Draft stopping, fire blocking as required - i.e. fireplaces, furr downs, midwall roof attachments, horizontal to vertical.
15. Wind bracing for 110 MPH, 3-second gust. Clips & Straps and shear-walls.
16. No masonry supported by wood unless in compliance with the engineer's design or IRC figures 703.7.2.1 & 703.7.2.2. Masonry must weigh less than 40 psf. This support must be installed and inspected with brick tie inspection.
17. Roof sheathing and roof covering.
18. Prefer to have brick ties in place at this time. No masonry shall be installed prior to framing inspection being approved.
19. Attic access, with folding stairs supporting 350 lbs.

STRUCTURAL INSPECTION CHECKLIST

STRUCTURAL STEEL

Framing

1. All metal, steel structural framing shall be inspected by the City of Rosenberg and by an independent inspection lab. The lab shall submit a report to the City of Rosenberg stating the structure, all required bolting, and welding and structural elements are in compliance with the approved plans & Engineers design.

IMPORTANT PROCEDURAL NOTE

FOR ANY COMMERCIAL PERMIT REQUIRING A CERTIFICATE OF COMPLIANCE APPROVAL FROM THE FIRE MARSHAL, THIS MUST BE RECEIVED IN THE PERMIT OFFICE BEFORE FINAL INSPECTIONS WILL BE SCHEDULED.

Call 832-595-3600 to schedule the Fire Marshal's inspection

****ALL FINAL INSPECTIONS ARE PERFORMED AT THE SAME TIME****

Final

1. Structure is complete i.e.,

- Paint,
- Siding,
- Floor covering,
- Driveway and sidewalks, off-street parking, paving,
- Water meter box is at grade, level undamaged and water meter in wholly contained within the box,
- Patio,
- All exiting requirements,
- Garage doors,
- Attic access and ventilation,
- Water and sewer,
- Yard graded type A or per approved plan (if on site detention was required, a letter from the Engineer stating compliance to approved plans),
- Landscaping, sod, trees, etc.,
- Permanent address visible from the street 4" numbers and on the rear if a public way,
- Safety/tempered glass where required,
- Stair and guard rails,
- Appliances,
- Termite treatment letter, if in access of treated sill plate,
- Any and All Engineer's compliance letters signed and sealed,
- All independent lab inspection reports and compliance reports,
- Fire sprinkler (approved by Fire Marshal)
- Sealing exterior penetrations

2. Final survey*, including finished floor elevation and setbacks.

***The final survey must be presented the day before final inspections are requested.**

Note: Prior to final inspection the electrical & plumbing contractors shall have had inspections passed for temporary cut in and gas turn on respectfully and services active.



Permit No.: _____

City of Rosenberg PLUMBING PERMIT APPLICATION

2220 4th Street, Rosenberg, Texas 77471
 Telephone: 832-595-3500 Fax: 832-595-3501
www.rosenbergtx.gov

Inspection Request Line: 832-595-3401 - Before 5:30 pm will be next business day, after 5:30 pm will be two business days

Project Address: _____

Project Name: _____

Customer(s): _____ **Phone:** _____

Contractor Information*: ***Must be registered with the City of Rosenberg**

Company Name: _____

Master Plumber: _____ **Master License No.:** _____

Address: _____ **City:** _____ **State/Zip:** _____

Office Phone #: _____ **Fax#:** _____ **Cell#:** _____

Type of Work:

- | | | | | | |
|---|-------------------------------------|-----------------------------------|---------------------------------|-------------------------------------|----------------------------------|
| <input type="checkbox"/> Residential | <input type="checkbox"/> Commercial | <input type="checkbox"/> Addition | <input type="checkbox"/> Repair | <input type="checkbox"/> Alteration | <input type="checkbox"/> Replace |
| <input type="checkbox"/> New Installation | | | | | |

Description of Work: _____

Qty	Item	Amount (per fixture)	Subtotal
	Small Fixtures (Water closets, Lavatories, Tubs, Showers, Disposals, Dishwashers, Urinals, Drinking Fountains, Sinks, Washing Machines, Water Heater, Floor Drain, A/C Drain, Vacuum Breakers, Ice Maker, Backflow Device, Gas Range Top, Gas Oven, Gas Water Heater, Gas Bath Heaters, Miscellaneous)	\$2.50	
	Large Fixtures (Water Piping, Sewer Line, Grease Trap)	\$5.00	
	Gas Test Only	\$2.50	
	Gas Piping with 1-4 Openings	\$10.00	
	Over 4 Gas Openings (PER Opening)	\$1.00	
	Gas Repair & Gas Test	\$5.00	

A Penalty Fee of 3x's the Permit Fee will be assessed if work begins before the issuance of a valid permit. Under no circumstance will paid fees be refunded or transferred.

Subtotal: _____

Permit Issuance Fee: +10.00

PERMIT TOTAL: _____

Master Plumber Signature

Date

PLUMBING INSPECTION CHECKLIST

Inspection Checklist

In ground

1. Static water test: 20-minute test with no drop in DWV with a "supported" 10 foot head tested with 4" stack filled to top.
2. If PVC, schedule 40 only – no co-extruded cellular core – Must use purple primer.
3. 4" size Schedule 40 sewer line with two-way cleanout 18 " from foundation,
4. Sleeve all DWV passing through beams with schedule 40 or SDR 26, 2 sizes larger than the DWV [ex. 2" pipe sleeve with 4", 3" pipe sleeve with 6"],
5. Water line under slab to be sleeved continuously with .025" thick radial wall polyethylene sleeve terminating 6" above finished floor. Material should be copper type L or other approved material.
6. Water looped under slab to have line pressure or an air test at 75 PSI,
7. Leave water in DWV until after concrete is placed. Should the test stack have no water a leak will be assumed and no concrete shall be placed.
8. Use proper bedding, all fittings should be exposed and all material labels visible.

Top out

1. Static test: Run riser from lavatory to above highest top plate and fill to top – no leaks,
2. Nail plates: Inside/outside if closer than 1 1/2" to surface and install code nail plates on top & bottom plates,
3. Check floor/ceiling joists for location of bored or notched holes (see Boring and Notching Standard),
4. Proper gradient of DWV,
5. Water line: insulated 3' from outside walls/roof and all exposed lines,
6. Water line to house 12" deep – Schedule 40 PVC or Type "L" copper,
7. Location of water heater for support, elevation (18" in garage) and clearance per manufacturer instructions,
8. Water service: Seal sleeve at entrance to building,
9. Vent through roof (VTR) location and height (6" minimum), none within 10' of operable window or fresh air intake,
10. Gas lines:
 - 40 PSI minimum,
 - Proper support,
 - Boring and Notching Standard requires 5/8" wood between the edge of the hole and the edge of the framing member.
11. CSST - see checklist,
12. Gas sleeve to island – proper venting and each end sealed, see city detail.

Gas Turn On (GTO)

- 4" diameter gauge 5 psig maximum tested at 3 psig min. for 10 minutes with no drop.
- All fixtures and equipment shall be completely ready for operation. The only exception is a cook top or range which can be installed at the final; however a gas stop valves and capped appliance connectors shall be installed.

****ALL FINAL INSPECTIONS ARE PERFORMED AT THE SAME TIME****

Final

1. Roof jacks and appliance vents - storm collars,
2. Hose bibb back siphon preventors (locked),
3. Water meter box: Correct height to grade and cleaned out.
4. Sewer cleanouts: Accessible, caps and collars glued on,
5. All fixtures: Proper operation with no leaks,
6. Exposed water lines in attic: insulated,
7. All gas lines supported properly,
8. A/C condensation lines properly connected to active trap,
9. Access panels: Tubs, main water valve, gas valves,
10. Approved water protection device, certified & tested when required by code for any hazardous occupancy, lawn irrigation and fire sprinkler systems.



Permit No.: _____

City of Rosenberg HVAC PERMIT APPLICATION

2220 4th Street, Rosenberg, Texas 77471
Telephone: 832-595-3500 Fax: 832-595-3501
www.rosenbergtx.gov

Inspection Request Line: 832-595-3401; Before 5:30 pm will be scheduled next business day, after 5:30pm will be two business days

Project Address: _____

Customer(s): _____ Phone: _____

Contractor Information*: **Must be registered with the City of Rosenberg*

Company Name: _____ License No.: _____

Primary Contact(s): _____

Address: _____ City: _____ State/Zip: _____

Office Phone #: _____ Fax#: _____ Cell#: _____

Type of Work:

- Residential Commercial
- New Replacement Alteration/Repair

Description of Work: _____

- Heating System
 - Gas – BTU _____ Electric – KW _____
- Unit Heater (Suspended Heaters, Wall Heaters) BTU _____
- Air Conditioning System Electric – Ampere _____
- Refrigeration Systems BTU _____
- Heat & A/C Combo Systems BTU _____
- Vent Hood Systems Coolers Broilers BTU _____ HP _____

****PROJECT VALUATION:** _____

Permit Issuance Base Fee 10.00

\$10.00 for the first \$1,000 +10.00

Balance of value divided by \$1,000	=	
(Rounded up to the nearest whole number)		+
x \$2.00		_____

TOTAL PERMIT FEE \$ _____

Contractor Signature

Date

**Under no circumstances will paid fees be refunded or transferred.
A Penalty Fee of 3x's the Permit Fee will be assessed if work begins before the issuance of a valid permit.**

CHAPTER 11

REFRIGERATION

SECTION 1101 GENERAL

1101.1 Scope. This chapter shall govern the design, installation, construction and repair of refrigeration systems that vaporize and liquefy a fluid during the refrigerating cycle. Refrigerant piping design and installation, including pressure vessels and pressure relief devices, shall conform to this code. Permanently installed refrigerant storage systems and other components shall be considered as part of the refrigeration system to which they are attached.

1101.2 Factory-built equipment and appliances. *Listed and labeled* self-contained, factory-built *equipment* and appliances shall be tested in accordance with UL 207, 412, 471 or 1995. Such *equipment* and appliances are deemed to meet the design, manufacture and factory test requirements of this code if installed in accordance with their listing and the manufacturer's installation instructions.

1101.3 Protection. Any portion of a refrigeration system that is subject to physical damage shall be protected in an *approved* manner.

1101.4 Water connection. Water supply and discharge connections associated with refrigeration systems shall be made in accordance with this code and the *International Plumbing Code*.

1101.5 Fuel gas connection. Fuel gas devices, *equipment* and appliances used with refrigeration systems shall be installed in accordance with the *International Fuel Gas Code*.

1101.6 General. Refrigeration systems shall comply with the requirements of this code and, except as modified by this code, ASHRAE 15. Ammonia-refrigerating systems shall comply with this code and, except as modified by this code, ASHRAE 15 and IIAR 2.

1101.7 Maintenance. Mechanical refrigeration systems shall be maintained in proper operating condition, free from accumulations of oil, dirt, waste, excessive corrosion, other debris and leaks.

1101.8 Change in refrigerant type. The type of refrigerant in refrigeration systems having a refrigerant circuit containing more than 220 pounds (99.8 kg) of Group A1 or 30 pounds (13.6 kg) of any other group refrigerant shall not be changed without prior notification to the code official and compliance with the applicable code provisions for the new refrigerant type.

[F] **1101.9 Refrigerant discharge.** Notification of refrigerant discharge shall be provided in accordance with the *International Fire Code*.

1101.10 Locking access port caps. Refrigerant circuit access ports located outdoors shall be fitted with locking-type tamper-resistant caps or shall be otherwise secured to prevent unauthorized access.

SECTION 1102 'SYSTEM REQUIREMENTS

1102.1 General. The system classification, allowable refrigerants, maximum quantity, enclosure requirements, location limitations, and field pressure test requirements shall be determined as follows:

1. Determine the refrigeration system's classification, in accordance with Section 1103.3.
2. Determine the refrigerant classification in accordance with Section 1103.1.
3. Determine the maximum allowable quantity of refrigerant in accordance with Section 1104, based on type of refrigerant, system classification and *occupancy*.
4. Determine the system enclosure requirements in accordance with Section 1104.
5. Refrigeration *equipment* and *appliance* location and installation shall be subject to the limitations of Chapter 3.
6. Nonfactory-tested, field-erected *equipment* and appliances shall be pressure tested in accordance with Section 1108.

1102.2 Refrigerants. The refrigerant shall be that which the *equipment* or *appliance* was designed to utilize or converted to utilize. Refrigerants not identified in Table 1103.1 shall be *approved* before use.

1102.2.1 Mixing. Refrigerants, including refrigerant blends, with different designations in ASHRAE 34 shall not be mixed in a system.

Exception: Addition of a second refrigerant is allowed where permitted by the *equipment* or *appliance* manufacturer to improve oil return at low temperatures. The refrigerant and amount added shall be in accordance with the manufacturer's instructions.

1102.2.2 Purity. Refrigerants used in refrigeration systems shall be new, recovered or *reclaimed refrigerants* in accordance with Section 1102.2.2.1, 1102.2.2.2 or 1102.2.2.3. Where required by the *equipment* or *appliance* owner or the code official, the installer shall furnish a signed declaration that the refrigerant used meets the requirements of Section 1102.2.2.1, 1102.2.2.2 or 1102.2.2.3.

Exception: The refrigerant used shall meet the purity specifications set by the manufacturer of the *equipment* or *appliance* in which such refrigerant is used where such specifications are different from that specified in Sections 1102.2.2.1, 1102.2.2.2 and 1102.2.2.3.

1102.2.2.1 New refrigerants. Refrigerants shall be of a purity level specified by the *equipment* or *appliance* manufacturer.



Permit No.: _____

City of Rosenberg ELECTRICAL PERMIT APPLICATION

2220 4th Street, Rosenberg, Texas 77471
 Telephone: 832-595-3500 Fax: 832-595-3501
 www.rosenbergtx.gov

Inspection Request Line: 832-595-3401 - Before 5:30 pm will be next day, after 5:30 pm will be two business days

Project Address: _____

Customer Name: _____ **Phone:** _____

Contractor Information ****Must be registered with the City of Rosenberg**

Company Name: _____ **License No:** _____

Address: _____ **City:** _____ **State/Zip:** _____

Office Phone #: _____ **Fax #:** _____ **Cell #:** _____

- | | | |
|---|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> Residential | <input type="checkbox"/> Commercial | Meter Service Amperage: _____ |
| <input type="checkbox"/> New Installation | <input type="checkbox"/> Addition | <input type="checkbox"/> Repair |
| | | <input type="checkbox"/> Alteration |

Description of Work: _____

Permit Fees			
Qty	Item	Amount	Subtotal
	Meter Loop & Service	10.00	
	110 Volt Outlets: <small>Outlets, Light Fixtures, Plugs</small>	0.40	
Domestic Electrical Appliances			
	220 Volt Outlet	2.00	
	Clothes Dryer	2.00	
	Ovens	2.00	
	Range Unit	2.00	
	Garbage Disposals	2.00	
	Dishwashers	2.00	
	Elec Water Heaters	2.00	
	Bath Heater	2.00	
	Window A/C	3.50	
Motors; Permanently Installed			
	Motor < ½ HP	1.00	
	Mtr ½ HP < 10 HP	4.00	
	Mtr 10 HP < 50 HP	7.00	
	Mtr 50 HP < 100 HP	10.50	
	Mtr 100 HP < 150 HP	14.00	
	Mtr 150 HP and Over	17.50	

Miscellaneous			
Qty	Item	Amount	Subtotal
	Motion Picture Mach	6.00	
	Comm Sound Equip	6.00	
	X-Ray Machines	5.00	
	Incandescent Elec Sign	5.00	
	Incandescent Gas/Vac Tube	5.00	
	Temporary Service Pole	15.00	
	Sign Install per Circuit	6.00	
	Streamer/Festoon Circuit	3.00	
	Miscellaneous	2.50	
Permanent – Appliances not otherwise specified			
	0 to 5 KW each	1.00	
	Over 5 KW per KW	0.45	
Temporary or similar installations			
	10 KVA or Less	20.00	
	Above 10 KVA per KVA	1.00	
Other			
	Temporary Cut In (TCI)	15.00	
	Connect MH w Meter Loop	15.00	
	Permit Issuance Fee		10.00
	PERMIT TOTAL:		_____

Under no circumstances will paid fees be refunded or transferred. A Penalty Fee equal to 3x's the Permit Fee will be assessed if work begins before the issuance of a valid permit.

 Master Electrician Signature
Rev. 110916-JL

 Date



**City of Rosenberg
RESIDENTIAL CERTIFICATE OF
OCCUPANCY APPLICATION**

2220 4th Street, Rosenberg, Texas 77471
Telephone: 832-595-3500 Fax: 832-595-3501

All items listed are required for issuance of a Certificate of Occupancy
and must be submitted together once all finals have been scheduled and/or approved.

Residential Address: _____

Applicant/Builder Name: _____

Address of Applicant/Builder: _____

City: _____ **State:** _____ **Zip:** _____

Phone No.: _____ **Email:** _____

***MUST SUBMIT ALL REQUIRED REPORTS TOGETHER
Incomplete applications will not be accepted***

Permit Type	Permit No.	Approved/Denied
<i>Building and (Public Works)</i>		
<i>Electrical</i>		
<i>Plumbing</i>		
<i>Mechanical</i>		
Description	Date Received	Approved By
Original Final Survey		
<i>Energy Report</i>		
<i>Rough-In</i>		
<i>Final</i>		
<i>Engineer's Letter</i> <i>Cable Elongation Report</i>		

Signature

Date