



# General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>Riverside Industrial Parkway</u>		
Total Square Footage of Proposed Structure/Area	<u>54,813 SF</u>	
<u>192</u>		
Tax Assessor's Chart, Block & Lot Chart# Block# Lot#	Applicant * <b>must be owner, Lessee or Buyer*</b> Name US CUSTOMS AND BORDER PROTECTION c/o CFE Telecom 4544 S. Lamar Blvd. G-300 Austin, TX 78745	Telephone: <u>512 674-9484</u>
<u>330</u>	<u>5</u>	
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name <u>Ronald J. Dorier</u> Address <u>220 Riverside Industrial Pkwy.</u> <u>Portland, ME 04013</u>	Cost Of Work: <u>\$50,000</u> C of O Fee: \$ _____ Total Fee: \$ _____
Current legal use (i.e. single family) <u>Communications tower and supporting structures</u>		
If vacant, what was the previous use? _____		
Proposed Specific use: <u>Public safety communications facility</u>		
Is property part of a subdivision? <u>No</u> If yes, please name <u>N/A</u>		
Project description: <u>Addition of appurtenances to existing tower and construction of 12x16 equipment shelter</u>		
Contractor's name: <u>CFE Telecom</u>		
Address: <u>4544 South Lamar Blvd. G-300</u>		
City, State & Zip <u>Austin, TX 78745</u>		Telephone: <u>512-674-9484</u>
Who should we contact when the permit is ready: <u>Michael Neville*</u>		Telephone: <u>512-786-7578</u>
Mailing address: <u>Same as above</u> *POINT OF CONTACT		

**Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.**

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at [www.portlandmaine.gov](http://www.portlandmaine.gov), or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature:

Date: 4.4.11

This is not a permit; you may not commence ANY work until the permit is issue



# Certificate of Design Application

From Designer: Gene Patton CFE Telecom

Date: 4-4-11

Job Name: US Customs and Border Protection Public Safety Facility

Address of Construction: 225 Riverside Industrial Parkway

## 2003 International Building Code

Construction project was designed to the building code criteria listed below:

Building Code & Year: 2003 Use Group Classification(s): \_\_\_\_\_  
 Type of Construction: pre-cast telecommunications equipment shelter (concrete)  
 Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC: \_\_\_\_\_  
 Is the Structure mixed use? \_\_\_\_\_ If yes, separated or non separated (section 302.3) \_\_\_\_\_  
 Supervisory alarm System? \_\_\_\_\_ Geotechnical/Soils report required? (See Section 1802.2) \_\_\_\_\_

### Structural Design Calculations

\_\_\_\_\_ Submitted for all structural members (106.1 – 106.11)

### Design Loads on Construction Documents (1603)

Uniformly distributed floor live loads (7603.1.1, 1807)

#### Floor Area Use

#### Loads Shown

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_ Live load reduction  
 \_\_\_\_\_ Roof *live* loads (1603.1.2, 1607.11)  
 \_\_\_\_\_ Roof snow loads (1603.7.3, 1608)  
 \_\_\_\_\_ Ground snow load,  $P_g$  (1608.2)  
 \_\_\_\_\_ If  $P_g > 10$  psf, flat-roof snow load  $P_f$   
 \_\_\_\_\_ If  $P_g > 10$  psf, snow exposure factor,  $C_e$   
 \_\_\_\_\_ If  $P_g > 10$  psf, snow load importance factor,  $I_s$   
 \_\_\_\_\_ Roof thermal factor,  $C_t$  (1608.4)  
 \_\_\_\_\_ Sloped roof snowload,  $P_s$  (1608.4)  
 \_\_\_\_\_ Seismic design category (1616.3)  
 \_\_\_\_\_ Basic seismic force resisting system (1617.6.2)  
 \_\_\_\_\_ Response modification coefficient,  $R$  and deflection amplification factor  $C_d$  (1617.6.2)  
 \_\_\_\_\_ Analysis procedure (1616.6, 1617.5)  
 \_\_\_\_\_ Design base shear (1617.4, 16175.5.1)

### Wind loads (1603.1.4, 1609)

\_\_\_\_\_ Design option utilized (1609.1.1, 1609.6)  
 \_\_\_\_\_ Basic wind speed (1809.3)  
 \_\_\_\_\_ Building category and wind importance Factor,  $I_w$   
 \_\_\_\_\_ Wind exposure category (1609.4)  
 \_\_\_\_\_ Internal pressure coefficient (ASCE 7)  
 \_\_\_\_\_ Component and cladding pressures (1609.1.1, 1609.6.2.2)  
 \_\_\_\_\_ Main force wind pressures (7603.1.1, 1609.6.2.1)

### Flood loads (1803.1.6, 1612)

\_\_\_\_\_ Flood Hazard area (1612.3)  
 \_\_\_\_\_ Elevation of structure

### Earth design data (1603.1.5, 1614-1623)

\_\_\_\_\_ Design option utilized (1614.1)  
 \_\_\_\_\_ Seismic use group ("Category")  
 \_\_\_\_\_ Spectral response coefficients,  $S_D$ s &  $S_{D1}$  (1615.1)  
 \_\_\_\_\_ Site class (1615.1.5)

### Other loads

\_\_\_\_\_ Concentrated loads (1607.4)  
 \_\_\_\_\_ Partition loads (1607.5)  
 \_\_\_\_\_ Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404 table 1604.5, 1609.5)



# New Commercial Permit Application Checklist

All of the following information is required and must be submitted. Checking off each item as you prepare your application package will ensure your package is complete and will help to expedite the permitting process.

## **One (1) complete Set of construction drawings must include:**

Note: Construction documents for costs in excess of \$50,000.00 must be prepared by a Design Professional and bear their seal.

- Cross sections w/framing details
- Detail of any new walls or permanent partitions
- Floor plans and elevations
- Window and door schedules
- Foundation plans with rebar specifications and required drainage and damp proofing (if applicable)
- Detail egress requirements and fire separations
- Insulation R-factors of walls, ceilings, floors and U-factors of windows as per the IECC 2003
- Complete the Accessibility Certificate and the Certificate of Design
- A statement of special inspections as required per the IBC 2003
- Complete electrical and plumbing layout.
- Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review.
- Reduced plans or electronic files in PDF format are required if originals are larger than 11" x 17".
- Per State Fire Marshall, all new bathrooms must be ADA compliant.

**Separate permits are required for internal & external plumbing, HVAC and electrical installations.**

**Nine (9) copies of the minor (< 10,000 sf) or major (> 10,000 sf) site plan application is required that includes:**

- A stamped boundary survey to scale showing north arrow, zoning district and setbacks to a scale of  $\geq 1" = 20'$  on paper  $\geq 11" \times 17"$
- The shape and dimension of the lot, footprint of the proposed structure and the distance from the actual property lines. Photocopies of the plat or hand draw footprints not to scale will not be accepted.
- Location and dimensions of parking areas and driveways, street spaces and building frontage
- Finish floor or sill elevation (based on mean sea level datum)
- Location and size of both existing utilities in the street and the proposed utilities serving the building
- Existing and proposed grade contours
- Silt fence (erosion control) locations

### **Fire Department requirements**

The following shall be submitted on a separate sheet: **SEE ATTACHMENT X**

- Name, address and phone number of applicant **and** the project architect.
- Proposed use of structure (NFPA and IBC classification)
- Square footage of proposed structure (total and per story)
- Existing and proposed fire protection of structure.
- Separate plans shall be submitted for
  - a) Suppression system
  - b) Detection System (separate permit is required)
- A separate Life Safety Plan must include:
  - a) Fire resistance ratings of all means of egress
  - b) Travel distance from most remote point to exit discharge
  - c) Location of any required fire extinguishers
  - d) Location of emergency lighting
  - e) Location of exit signs
  - f) NFPA 101 code summary
- Elevators shall be sized to fit an 80" x 24" stretcher.

**For questions on Fire Department requirements call the Fire Prevention Officer at (207) 874-8405.**

**Please submit all of the information outlined in this application checklist. If the application is incomplete, the application may be refused.**

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at [www.portlandmaine.gov](http://www.portlandmaine.gov), or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

**Permit Fee: \$30.00 for the first \$1000.00 construction cost, \$10.00 per additional \$1000.00 cost**

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**This is not a Permit; you may not commence any work until the Permit is issued.**



# Accessibility Building Code Certificate

Designer: Steve Potbury CFE Telecom  
 Address of Project: 225 Riverside Industrial Pkwy.  
 Nature of Project: Unmanned telecommunications  
equipment building  
(precast concrete on slab)

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act. Residential Buildings with 4 units or more must conform to the Federal Fair Housing Accessibility Standards. Please provide proof of compliance if applicable.

(SEAL)

Signature: [Signature]  
 Title: Project Mgr.  
 Firm: CFE Telecom  
 Address: 4544 S. Lamar Blvd. G-300  
Austin Tx 78745  
 Phone: (512) 674-9484

For more information or to download this form and other permit applications visit the Inspections Division on our website at [www.portlandmaine.gov](http://www.portlandmaine.gov)



# Certificate of Design

Date: 4.4.11

From: Steve Portney CFE telecom

These plans and / or specifications covering construction work on:

U.S. Customs and Border Protect Public Safety Communications Facility

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the **2003 International Building Code** and local amendments.

**(SEAL)**

Signature: [Handwritten Signature]

Title: Project Mgr

Firm: CFE telecom

Address: 4544 S. Lamar Blvd. G-300

Austin, TX 78745

Phone: (512) 674-9484

**For more information or to download this form and other permit applications visit the Inspections Division on our website at [www.portlandmaine.gov](http://www.portlandmaine.gov)**

ATTACHMENT X. FIRE DEPARTMENT REQUIREMENTS

PROJECT NAME: US Customs and Border Protection Communications Project

PROJECT ADDRESS: Riverside Industrial Parkway CHART/BLOCK/LOT: 330/--/5

CONTACT INFORMATION:

OWNER/APPLICANT

Name: US Customs and Border Protection

Address: 7501 Boston Blvd  
Springfield, VA 20229

Work #: (703) 921-7393

Cell #: (571) 241-1604

Fax #: \_\_\_\_\_

Home #: \_\_\_\_\_

E-mail: barry.k.bracken@  
cbp.dhs.gov

CONSULTANT/AGENT

Name: Steve Portnoy, CFE Telecom

Address: 4544 South Lamar Blvd. G-300  
Austin, TX 78745

Work #: 512-674-9484

Cell #: 512-415-5890

Fax #: \_\_\_\_\_

Home #: \_\_\_\_\_

E-mail: sportnoy@cfeamerica.com

This building permit application is for the addition of antenna and microwave dishes to an existing tower, a 16 X 12 (192 ft<sup>2</sup>) equipment shelter, and the installation of a 500 gallon propane tank. The NFPA classification is: unknown and the IBC classification is: unknown

On-site fire detection and suppression consists of: extinguisher inside the shelter.

The applicant respectfully requests an exemption from the Life Safety Plan requirements.

