

PERMIT ISSUED

City of Portland, Maine - Building or Use Permit Application  
389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 010865	Issue Date: JUL 24 2001	CB#: 370A A003001
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Location of Construction: 500 Riverside Ind Pkwy	Owner Name: 500 Riverside Associates	Owner Address: Po Box 382 CITY OF PORTLAND	Phone: 207-773-7100
Business Name: n/a	Contractor Name: Maine Cottage Furniture	Contractor Address: 20 Downeast Drive Yarmouth	Phone: 2078461430
Lessee/Buyer's Name: n/a	Phone: n/a	Permit Type: Alterations - Commercial	Zone: I-M

Past Use: Comm. / Warehouse	Proposed Use: Same: Install A Fire Rated Roll-Up Door	Permit Fee: \$54.00	Cost of Work: \$3,125.00	CEO District: 1
Proposed Project Description: Install A Fire Rated Roll-Up Door		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: S-1 Type: 2C	

Signature: *[Handwritten Signature]*  
 PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)  
 Action:  Approved  Approved w/Conditions  Denied  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Permit Taken By: cjh	Date Applied For: 07/17/2001	<b>Zoning Approval</b>
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..	<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input checked="" type="checkbox"/> Date: <i>[Handwritten Signature]</i> 7/29	<b>Zoning Appeal</b> <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	<b>Historic Preservation</b> <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>[Handwritten Signature]</i>
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PERMIT ISSUED WITH REQUIREMENTS

CERTIFICATION

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

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

01-0365 Sam Higgins

# All Purpose 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: <sup>520-</sup> 500 Riverside Industrial Pkwy

Total Square Footage of Proposed Structure      Square Footage of Lot

Tax Assessor's Chart, Block & Lot <sup>30000</sup>  
Chart# 370A      Block# A      Lot# 02      Owner: Dunham Group      Telephone: 773-7100

Lessee/Buyer's Name (If Applicable)      Applicant name, address & telephone: 846-1430  
Maine Cottage Furniture  
20 Downeast Drive  
Yarmouth, ME 04096      Cost Of Work: \$ 3,125.00  
Fee: \$ ~~511.00~~

Current use: ~~Warehouse~~      \$ 54 ~~48~~  
If the location is currently vacant, what was prior use: Manufacturing      Will bring  
Approximately how long has it been vacant: 1 mon      in check.  
Proposed use: Warehouse  
Project description: Doorway between spaces, install a roll up fire rated door.

Contractor's name, address & telephone: Overhead Door 797-6734  
Who should we contact when the permit is ready: Charles Ferrara (846-1430) <sup>See permit</sup>  
Mailing address: Maine Cottage Furniture <sup>for address</sup>  
20 Downeast Drive  
Yarmouth, ME 04096      Phone: 846-1430

**IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.**

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 of applicant: Charles Ferrara      Date: 7/12/01

**This is not a permit, you may not commence ANY work until the permit is issued**

**BUILDING PERMIT REPORT**

DATE: 19 July 2001 ADDRESS: 500 Riverside Ind. Pkwy CBL: 370A-A-003

REASON FOR PERMIT: To install a Fire rated roll up door.

BUILDING OWNER: 500 Riverside Assoc.

PERMIT APPLICANT: \_\_\_\_\_ (CONTRACTOR Maine Cottage Furniture)

USE GROUP: S1 CONSTRUCTION TYPE: 2C CONSTRUCTION COST: 3,125.00 PERMIT FEES: 54.00

The City's Adopted Building Code (The BOCA National Building Code/1999 with City Amendments)  
The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)

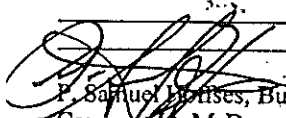
CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions shall be met: X / 2, 23, 24, 25, 43

- X 1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection) **"ALL LOT LINES SHALL BE CLEARLY MARKED BEFORE CALLING."**
3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2
4. Foundations anchors shall be a minimum of 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' O.C. between bolts. Section 2305.17
5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
6. Precaution must be taken to protect concrete and masonry. Concrete Sections 1908.9-19.8.10/ Masonry Sections 2111.3-2111.4.
7. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
8. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4, Section 407.0 of the BOCA/1999)
9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993). Chapter 12 & NFPA 211
10. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
11. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42". In occupancies in Use Group A, B.H-4, I-1, I-2, M, R, public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. Handrails shall be a minimum of 34" but not more than 38". Exception: Handrails that form part of a guard shall have a height not less than 36 inches (914 mm) and not more than 42 inches (1067 mm). Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0). Handrails shall be on both sides of stairway. (Section 1014.7) **R-3 (ONE & TWO FAMILY DWELLINGS) GUARD HEIGHT IS 36" MINIMUM.**
12. Headroom in habitable space is a minimum of 7'6". (Section 1204.0)
13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 1/2" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise. (Section 1014.0)
14. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8") 1014.4
15. The Minimum required width of a corridor shall be determined by the most restrictive of the criteria under section 1011.3 but not less than 36".
16. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft. (Section 1010.4)
17. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units. (Section 1010.1)
18. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closure's. (Over 3 stories in height requirements for fire rating is two (2) hours. (Section 710.0)
19. The boiler shall be protected by enclosing with (1) hour fire rated construction including fire doors and ceiling, or by providing automatic extinguishment. (Table 302.1.1)

7/17

20. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 920.3.2 (BOCA National Building Code/1999), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
  - In the immediate vicinity of bedrooms
  - In all bedrooms
  - In each story within a dwelling unit, including basements
21. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type. (Section 921.0)
22. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard.
23. The Sprinkler System shall be installed and maintained to NFPA #13 Standard.
24. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1999)
25. Section 25 - 135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
26. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.
27. Ventilation and access shall meet the requirements of Chapter 12 Sections 1210.0 and 1211.0 of the City's Building Code. (Crawl spaces & attics).
28. All electrical, plumbing and HVAC permits must be obtained by Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.
29. All requirements must be met before a final Certificate of Occupancy is issued.
30. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code (The BOCA National Building Code/1996).
31. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical code (The BOCA National Mechanical Code/1993). (Chapter M-16)
32. Please read and implement the attached Land Use Zoning report requirements.
33. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code.
34. Bridging shall comply with Section 2305.16.
35. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
36. All flashing shall comply with Section 1406.3.10.
37. All signage shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).

  
 P. Samuel Boises, Building Inspector  
 Cc: M. McDougall, PFD  
 Marge Schmuckal, Zoning Administrator  
 Michael Nugent, Inspection Service Manager

PSH 10/1/00

**\*\*This permit is herewith issued, on the basis of plans submitted and conditions placed on these plans, any deviations shall require a separate approval.**

**\*\*\*THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD. ( You Shall Call for Inspections )**

**\*\*\*\*ALL PLANS THAT REQUIRE A PROFESSIONAL DESIGNER'S SEAL, (AS PER SECTION 114.0 OF THE BUILDING CODE) SHALL ALSO BE PRESENTED TO THIS DIVISION ON AUTO CAD LT. 2000, DXF FORMAT OR EQUIVALENT.**

**\*\*\*\*\*CERTIFICATE OF OCCUPANCY FEE \$50.00**

2"X6" JACK STUDS  
2"X6" STUD

EXISTING  
6" STEEL STUDS

DOUBLE  
5/8" SHEET ROCK  
ON DOOR JAM

DOUBLE 5/8" SHEET ROCK

EXISTING  
METAL  
STUDS

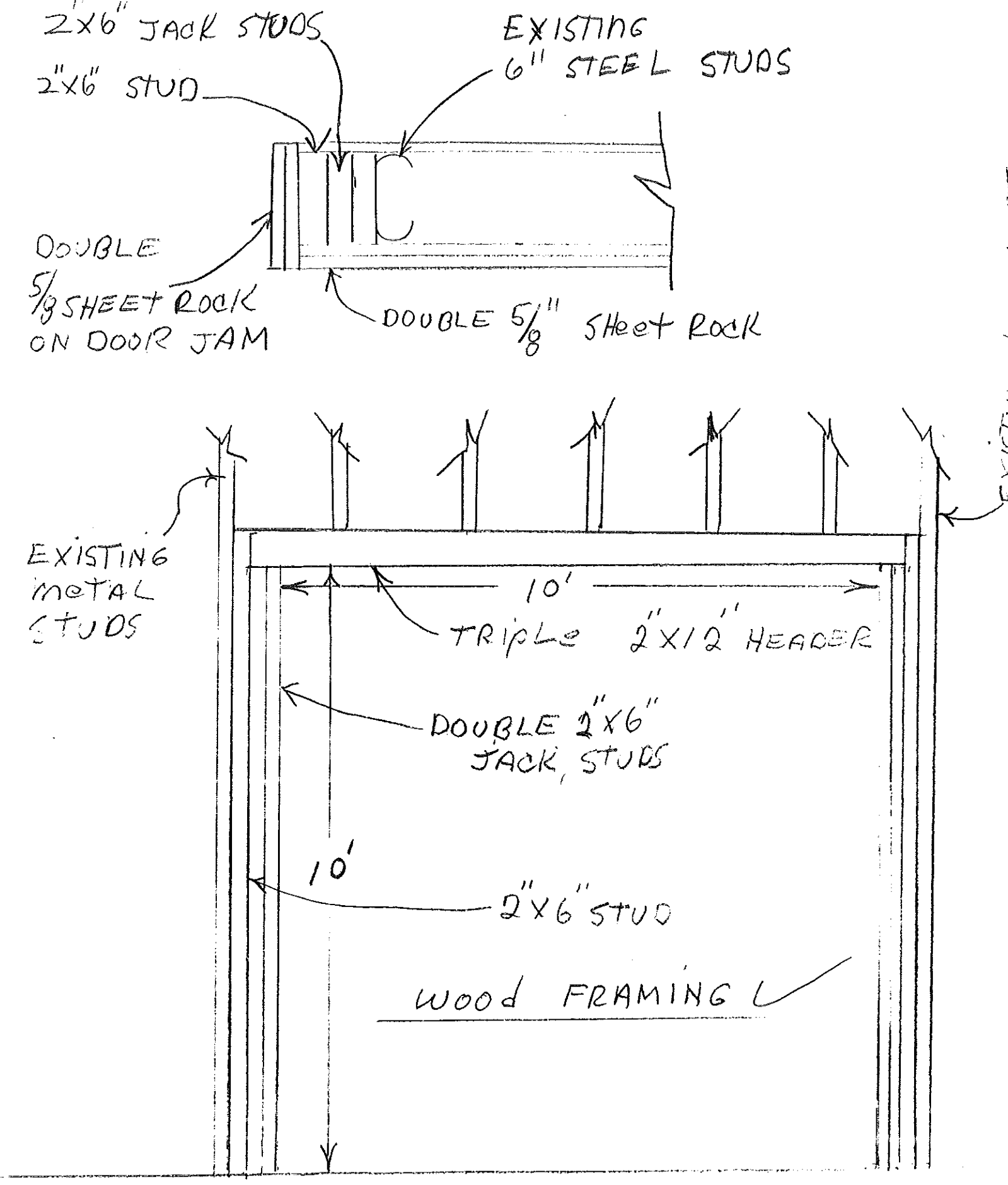
EXISTING METAL STUDS

10'  
TRIPLE 2"X12" HEADER

DOUBLE 2"X6"  
JACK STUDS

10'  
2"X6" STUD

WOOD FRAMING ✓

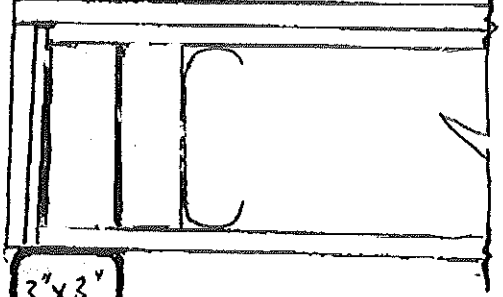


# MAINE COTTAGE FURNITURE - FIRE DOOR

## TOP DOWN DETAIL

EXISTING SHEET ROCK WALL

FIRE RATED CHALKING AT OPENING



3" X 3" STEEL TUB

DOOR CURTAIN

DOOR TRACK

ATTACH AT TOP + BOTTOM

3" X 3" STEEL TUB W/AN EXISTING WALL

EXISTING SHEET ROCK WALL

EXISTING WALL

EXISTING WALL #530 RIVERSIDE INDUSTRIAL PARKWAY SIDE

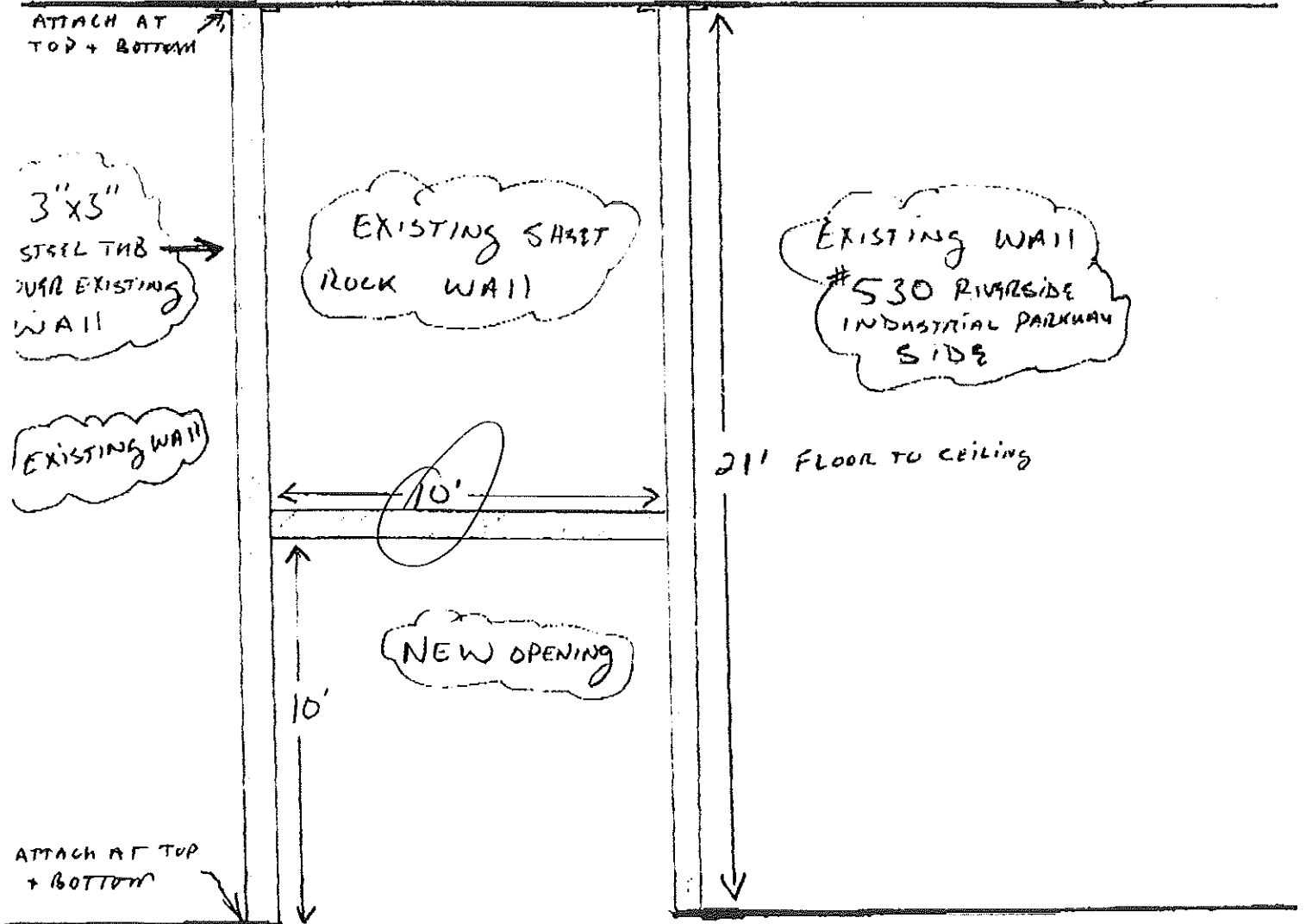
10'

21' FLOOR TO CEILING

NEW OPENING

10'

ATTACH AT TOP + BOTTOM



# Fire Doors

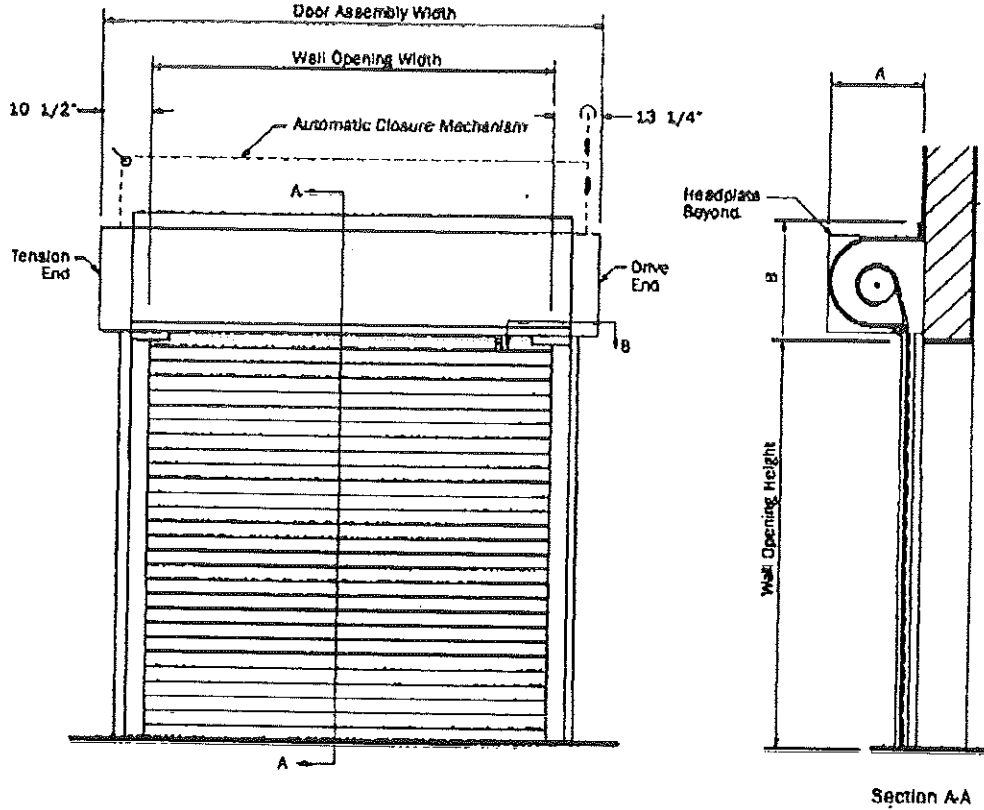
## 631 Series Face-of-Wall Mounted

631 Series

### Door Clearance Elevations

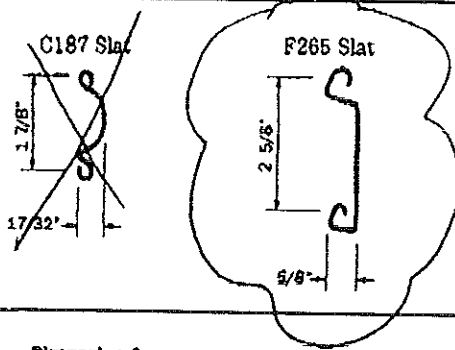
Operation: Push-up, chain hoist, crank or electric.

For clearance details on electrically operated doors, see Motor Operator section.



\* Add 7" for crank operation.

### Slat Data



Slat	Opening Width	Standard
C187	Thru 14'0"	24 ga.
F265	Thru 14'0"	24 ga.

Slats are galvanized and painted.

### Headroom Clearance Dimensions

Dimension A  
C187 and F265 Slats

Max. Wall Opening Height	C187 24 ga.		F265 24 ga.	
	A	B*	A	B*
Thru 8'0"	17 1/2"	20 1/8"	21 1/2"	24 1/8"
Thru 10'0"	17 1/2"	20 1/8"	21 1/2"	24 1/8"
Thru 11'6"	17 1/2"	20 1/8"	21 1/2"	24 1/8"
Thru 12'0"	19 1/2"	22 1/8"	21 1/2"	24 1/8"

\*Add 2" to "B" dimension when electrically operated.



# OVERHEAD DOOR COMPANY OF PORTLAND

MAIN OFFICE  
 533 Riverside Industrial Parkway  
 Portland, ME 04103  
 Tel - 1-800-287-6734 / 207-797-6734  
 Fax - 207-797-0642

BRANCH OFFICE:  
 Augusta, Maine 04330  
 Portsmouth, N. H. 03801  
 Londonderry, N. H. 03053  
 PME/MJT

Proposal #: 1-5448  
 Q 7588

PROPOSAL SUBMITTED TO: MAINE COTTAGE FURNITURE					Date 06/19/2001	Attention CHARLIE FERRARA				
STREET 20 DOWN EAST DRIVE					Job Name PORTLAND WAREHOUSE					
City YARMOUTH		State ME	Zip Code 04096		Job Location 520 RIVERSIDE IND. PKWY. PORTLAND ME.					
Phone Number 846-1430			Fax Number 846-0602		Job Phone CHARLIE @ 838-1569					
ITEM #	QTY	SERIES	DOOR WIDTH	DOOR HEIGHT	OPENING WIDTH	OPENING HEIGHT	OPERATION	MOUNTING	JAMB TYPE	
A	1	631	10' 0"	10' 0"	10' 0"	10' 0"	CHAIN HOIST	INTERIOR	WOOD	

**SCOPE OF WORK:**

FURNISH AND INSTALL (1) 10'X10' ROLLING STEEL FIRE DOOR AS DESCRIBED BELOW...

PROPOSAL PRICE INCLUDES: INSTALLATION, LABOR, AND TAX.....\$1,675.00

\*\*\*PLEASE NOTE: THE PROPOSAL PRICING ASSUMES THAT THE DOOR(S) WILL BE INSTALLED ON NEW OPENING (ON THE INSIDE WALL) THAT ARE TO BE DONE BY OTHERS...

The above sized 631 series rolling door(s) as manufactured by the Overhead Door Corporation. Door standard features to include the following:

Curtain slats will be galvanized steel. Curtain will be provided with steel endlocks up to 12'0" wide, malleable iron endlocks over 12'0". Guides will be three structural steel angles. Brackets will be hot rolled steel plate to support the barrel, counterbalance and hood. Counterbalance will be helical torsion springs housed in a steel pipe and adjustable by means of an external tension wheel. All non-galvanized, exposed, ferrous surfaces will receive one coat of rust inhibitive primer. Automatic closure will be thermally controlled by means of fusible links melting at 165 degrees; operation mechanism will be disengaged during automatic closing. Automatic closing will have a rate of descent controlled by a governor. Doors(s) to have UL listing approved for application and installation on 3 hour masonry fire walls and 1-1/2 hour non-masonry walls Class A, B, C, D, & E. FM label is not available.

We hereby propose to complete in accordance with above specification, for the sum of: AS NOTED ABOVE

Signature *Dave Lenox*  
 DAVE LENOX / SALES ENGINEER

Direct Dial: 1-800-287-6734

**TERMS AND CONDITIONS**

Payment to be made as follows: NET 10 DAYS WITH P.O. #

Prices subject to change if not accepted in 30 days.

BY OTHERS: Jambs, spring pads, all wiring to motors and control stations, unless otherwise stated above, are not included. Purchaser agrees that doors shall remain in Seller's possession until paid in full. In the event Purchaser breaches or defaults under the terms and provisions of this Agreement, the Purchaser shall be responsible for the costs of collection, including reasonable attorneys' fees. The Seller shall be entitled to full and final payment on the Purchase Order. There shall be a 1 1/2% service charge per month for all payments due and owing after 30 days. (Agreements are contingent upon strikes, accidents, or delays beyond our control.)

ACCEPTANCE: Terms, Price, and specifications on all pages of this proposal are hereby accepted and the work authorized.

Purchaser: *Charlie Ferrara*  
 Signature

*Operations Mgr*  
 Title

6/20/01  
 Date of Acceptance

\* PLEASE FAX BACK Signed \*



# OVERHEAD DOOR COMPANY OF PORTLAND

MAIN OFFICE  
 533 Riverside Industrial Parkway  
 Portland, ME 04103  
 Tel - 1-800-287-6734 / 207-797-8734  
 Fax - 207-797-0842

BRANCH OFFICE:  
 Augusta, Maine 04330  
 Portsmouth, N. H. 03801  
 Londonderry, N. H. 03053  
 PME/MJT

Proposal #: 1-5748  
 Q 7588

PROPOSAL SUBMITTED TO: MAINE COTTAGE FURNITURE			Date 07/12/2001	Attention CHARLIE FERRARA
STREET 20 DOWN EAST DRIVE			Job Name PORTLAND WAREHOUSE	
City YARMOUTH	State ME	Zip Code 04096	Job Location 520 RIVERSIDE IND. PKWY. PORTLAND ME.	
Phone Number 846-1430	Fax Number 846-0602	Job Phone CHARLIE @ 838-1589		

ITEM #	QTY	SERIES	DOOR WIDTH	DOOR HEIGHT	OPENING WIDTH	OPENING HEIGHT	OPERATION	MOUNTING	JAMB TYPE
A	1	631	10' 0"	10' 0"	10' 0"	10' 0"	CHAIN HOIST	INTERIOR	WOOD

**SCOPE OF WORK:**

**CHANGE ORDER # 1 PROPOSAL:**

FURNISH AND INSTALL 3"X3" STEEL TUBS FOR FIRE DOOR INSTALLATION OVER THE EXISTING SHEET ROCK WALL... WE WILL USE A FIRE RATED CAULKING TO SEAL THE TUBS TO THE EXISTING SHEET ROCK WALL (AT THE 10'X10' OPENING)...

PROPOSAL PRICE INCLUDES: INSTALLATION, LABOR, AND TAX.....\$950.00

\*\*\*PLEASE NOTE: ALL WALL PREPARATION, ELECTRICAL REMOVAL AND FINISH SHEET ROCK WORK AND FINISHING OF ROUGH OPENING IN THE EXISTING WALL BY OTHERS...

\*\*\*PLEASE NOTE: ALL PERMITS AND ZONING APPROVALS BY OTHERS...

We hereby propose to complete in accordance with above specification, for the sum of:

**AS NOTED ABOVE**

Signature *Dave Lenox*  
 DAVE LENOX / SALES ENGINEER Direct Dial: 1-800-287-6734

**TERMS AND CONDITIONS**

Payment to be made as follows: NET 10 DAYS WITH P.O. #

Prices subject to change if not accepted in 30 days.

BY OTHERS: Jamb, spring pads, all wiring to motors and control stations, unless otherwise stated above, are not included. Purchaser agrees that doors shall remain in Seller's possession until paid in full. In the event Purchaser breaches or defaults under the terms and provisions of this Agreement, the Purchaser shall be responsible for the costs of collection, including reasonable attorneys' fees. The Seller shall be entitled to full and final payment on the Purchase Order. There shall be a 1 1/2% service charge per month for all payments due and owing after 30 days. (Agreements are contingent upon strikes, accidents, or delays beyond our control.)

ACCEPTANCE: Terms, Price, and specifications on all pages of this proposal are hereby accepted and the work authorized.

Purchaser: *Charlie Ferrara*  
 Signature *Charlie Ferrara* Title *Operations Mgr* Date of Acceptance *7/12/01*

# Fire Doors

# 631 Series Specifications

*Chain KINMA  
Lock H&C  
DAD  
Lock H&C  
E*

~~N. Automatic Closure:  
(See Fire Sentinel specification for time delay release device.)  
(See Fire Minuteman specification for test and reset hoist.)  
Locking: (Interior bottom bar slide bolt.) (Interior slide lock for electric operation with interlock switch.) (Cylinder locking bottom bar with mortise cylinders.)  
Wall Mounting Condition: Face-of-wall mounting (Between jamb mounting.)~~

## PART 8 - EXECUTION 3.01 PREPARATION

- A. Take field dimensions and examine conditions of substrates, supports, and other conditions under which this work is to be performed. Do not proceed with work until unsatisfactory conditions are corrected.

## 3.02 INSTALLATION

- A. Strictly comply with manufacturer's installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and allow for maintenance.
- B. Install rolling fire doors in compliance with requirements of NFPA 80. Test fire-release system and reset components after testing.
- C. Instruct Owner's personnel in proper operating procedures and maintenance schedule.

## 3.03 ADJUSTING AND CLEANING

- A. Test rolling fire doors for proper operation and adjust as necessary to provide proper operation without binding or distortion.
- B. Touch-up damaged coatings and finishes and repair minor damage. Clean exposed surfaces using non-abrasive materials and methods recommended by manufacturer of material or product being cleaned.

631 Series

Specifications

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# Fire Doors



# 631 Series Specifications

SECTION 08332  
FIRE DOORS  
631 Series Rolling Fire Doors

## PART 1 - GENERAL

### 1.01 RELATED DOCUMENTS

- A. All of the Contract Documents, including General and Supplementary Conditions, and Division 1 General Requirements, apply to the work of this Section.

### 1.02 SUMMARY

- A. The work of this Section includes rolling fire doors.
- B. Related Sections: Other specification sections which directly relate to the work of this Section include, but are not limited to, the following:
  1. Section 08710 - Finish Hardware; key cylinders for locks.
  2. Section 16100 - Electrical; wiring.

### 1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each type of rolling fire door. Include both published data and any specific data prepared for this project.
- B. Shop Drawings: Submit shop drawings for approval prior to fabrication. Include detailed plans, elevations, details of framing members, required clearances, anchors, and accessories. Include relationship with adjacent materials.

### 1.04 QUALITY ASSURANCE

- A. Manufacturer: Rolling fire doors shall be manufactured by a firm with a minimum of five years experience in the fabrication and installation of rolling fire doors. Manufacturers proposed for use, which are not named in these specifications, shall submit evidence of ability to meet performance and fabrication requirements specified, and include a list of five projects of similar design and complexity completed within the past five years.
- B. Installer: Installation of rolling fire doors shall be performed by an authorized representative of the manufacturer.
- C. Single-Source Responsibility: Provide doors, guides, motors, and related primary components from one manufacturer for each type of door. Provide secondary components from source acceptable to manufacturer of primary components.
- D. Pre-Installation Conference: Schedule and convene a pre-installation conference just prior to commencement of field operations, to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work.

### 1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials and products in labeled protective packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage from weather, excessive temperatures and construction operations.

## PART 2 - PRODUCTS

### 2.01 ACCEPTABLE MANUFACTURER

- A. Provide rolling fire doors by Overhead Door Corporation, Pennsylvania Division; Telephone 800-929-2553 or 717-248-0131; Fax 800-929-1274.

631 Series

Specifications





### 2.02 ROLLING FIRE DOORS

- A. Trade Reference: Series 631 Fire Doors by Overhead Door Corporation.
- B. Label: Provide fire doors certified with the following listing.
1. Rolling fire doors up to 144 sq. ft. and 12' in width or height shall bear the UL 3-Hour Class A Label and UL 1-1/2 Hour Class B Label for non-masonry fire walls.
  2. Rolling fire doors over 144 sq. ft. shall receive the UL Oversize Fire Door Label. Maximum authorized wall opening 14'0" wide x 12'0" high.
- C. Curtain: Interlocking roll-formed slats as specified following. Endlocks shall be attached to each end of alternate slats to prevent lateral movement.
1. Curved profile type C-187 for doors thru 14'0" wide, fabricated of 24 gauge galvanized steel.
  2. Flat profile type F-266 for doors thru 14'0" wide, fabricated of 24 gauge galvanized steel.
- ~~D. Glazing: Not Required. (Fire-rated vision panels, four glazing panels 9" by 5/8", FireLite glazing as manufactured by Nippon Electric Glass Co. and distributed by Technical Glass Products.)~~
- E. Finish:
1. Galvanized Steel: Slats and hood shall be galvanized steel in accordance with ASTM A 525 and receive rust-inhibitive, roll coating process, including bonderizing, 0.2 mils thick baked-on prime paint, and 0.6 mils thick baked-on polyester (powder coated) top coat. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer.
  2. Stainless Steel: Slats shall be stainless steel with (2B mill finish.) (No. 4 satin finish.)
- ~~F. Color: Gray polyester top coat. (Tan polyester top coat.) (Powder coating finish in color as selected by Architect from manufacturer's standard colors.)~~
- G. Bottom Bar: Two (galvanized) structural steel angles 1-1/2" by 1-1/2" by 1/8" minimum. (Single angle for conveyor applications.)
- H. Guides: Roll-formed steel shapes attached to continuous steel wall angle for doors thru 12' wide. Three structural steel angles with minimum thickness of 3/16" for doors over 12' wide. Guides for between jamb doors shall be structural angles.
1. Fastening Guides to Masonry Fire Walls: UL listed expansion anchors, or by through-bolts on soft brick or hollow block walls, or by bolts on steel jambs, or welded in accordance with manufacturer's listing.
  2. Fastening Guides to Non-Masonry Fire Walls: Comply with the manufacturer's listing.
- I. Brackets: Steel plate to support counterbalance, curtain and hood.
- J. Counterbalance: Helical torsion spring type. Counterbalance shall be housed in a steel tube or pipe barrel, supporting the curtain with deflection limited to 0.03" per foot of span. Counterbalance shall be adjustable by means of an adjusting tension wheel.
- K. Hood: 24 gauge galvanized primed steel. Provide one intermediate support bracket for wall openings over 13'6" wide.
- L. Manual Operation: ~~Manual push-up (Chain hoist.) (Crank.)~~
- ~~M. Electric Motor Operation: Provide UL listed electric operator, size as recommended by manufacturer to move door in either direction at not less than 2/3 foot nor more than 1 foot per second.~~
1. Sensing Edge Protection: (Pneumatic sensing edge.) (Electric sensing edge.)
  2. Operator Controls: Push-button (Key) (Push-button and key) operated control stations with open, close, and stop buttons for surface (flush) mounting, for interior (exterior) (both interior and exterior) location.
  3. Special Operation: (Vehicle detector operation), (radio control operation), (card reader control), (photocell operation), (door timer operation), (commercial light package), (explosion and dust ignition proof control wiring.)





**CITY OF PORTLAND, MAINE**  
Department of Building Inspection

July 15 2001

Received from Maime George fee

of paper /100 Dollars \$ 54.00

for permit to install  
erect  
alter install fire rated door

at 500 Riverside move  
demolish 3,105.00  
Est. Cost \$

Check # 27408  
CBL 370AA003

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Inspector of buildings  
Per Hayb

**THIS IS NOT A PERMIT**

No work is to be started until PERMIT CARD is actually posted upon the premises. Acceptance of fee is no guarantee that permit will be granted. PRESERVE THIS RECEIPT. In case permit cannot be granted the amount of the fee will be refunded upon return of the receipt less \$5.00 or 10% whichever is greater.

WHITE - Applicant's Copy  
YELLOW - Office Copy  
PINK - Auditors Copy