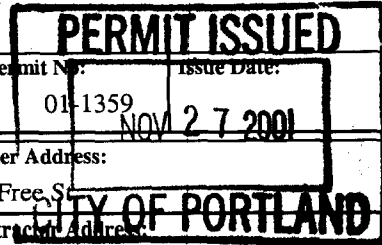


**City of Portland, Maine - Building or Use Permit Application**  
 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716



Permit No: 01-1359		Issue Date: NOV 27 2001		CBL: 037 E007001	
Location of Construction: 157 High St		Owner Name: Portland Hotel Associates Llc		Owner Address: 10 Free St	
Business Name: n/a		Contractor Name: Doten Construction		Contractor Address: 175 South Freeport Rd. Freeport	
Lessee/Buyer's Name: n/a		Phone: n/a		Permit Type: Alterations - Commercial	
Past Use: Commercial / Eastland Hotel		Proposed Use: Commercial / Eastland Hotel; Install structural steel, replace failing steel now (existing)		Permit Fee: \$138.00	
				Cost of Work: \$18,300.00	
				CEO District: 2	
Proposed Project Description: Install structural Steel		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: RI Type: N/A	
		Signature: [Signature]		Signature: [Signature]	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)			
		Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied			
		Signature:		Date:	

Permit Taken By: gg	Date Applied For: 10/31/2001	<b>Zoning Approval</b>		
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 type="checkbox"/> Date: 11/5/01	<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:	

**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 1359 2007 0295

# 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: Eastland Park Hotel, 157 High St., Portland 04101

Total Square Footage of Proposed Structure \_\_\_\_\_ Square Footage of Lot \_\_\_\_\_

Tax Assessor's Chart, Block & Lot  
Chart# 037 Block# E Lot# 007 Owner: Eastland Telephone: \_\_\_\_\_

Lessee/Buyer's Name (if Applicable) \_\_\_\_\_ Applicant name, address & telephone: Doten's Const  
175 South Freeport Rd  
Freeport, ME Cost Of Work: \$ 18,300.00  
Fee: \$ 138.00

Current use: Boiler Rm/Storage  
If the location is currently vacant, what was prior use: Same  
Approximately how long has it been vacant: \_\_\_\_\_  
Proposed use: \_\_\_\_\_  
Project description: Install structural steel, replace failing steel rnw (existing)  
plans provided.

Contractor's name, address & telephone: Doten's Construction 175 South Freeport Rd  
Freeport, ME 04032 865-4412  
Who should we contact when the permit is ready: office  
Mailing address: Same Phone: 865-4412

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: [Signature] Date: 10/28/01



This is not a permit, you may not commence ANY work until the permit is issued  
OCT 31 2001  
Gaye 10/31/01

DOTEN'S CONSTRUCTION  
175 SOUTH FREEPORT ROAD  
FREEPORT, MAINE 04032

October 31, 2001

City Hall  
389 Congress Street  
Portland, Maine 04101

RE: Eastland Park Hotel  
157 High Street  
Portland, Maine 04101

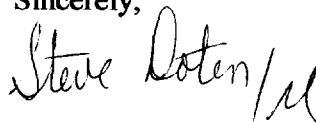
To Whom It May Concern:

Attached please find an All Purpose Building Permit Application, two (2) copies of Floor Plan/construction detail showing dimensions of each area and use to scale and a bank check in the amount of \$132.00 to cover the cost of a building permit.

The project description is as follows: Installation of structural steel replacing failing steel now existing in the Boiler/Storage Room. Installation start date will be between November 12<sup>th</sup> and 14<sup>th</sup>. The project will take approximately 6 working days.

Thank you.

Sincerely,

A handwritten signature in black ink that reads "Steve Doten" followed by a stylized flourish or initials.

Steve Doten

SD/rl  
Enclosures

389 Congress St.  
Portland, ME 04101  
Phone: (207) 874-8700  
Fax: (207)874-8716

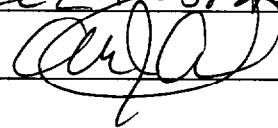
# facsimile transmittal

To: Mark Leasure  
From: Mike Nugent  
Fax: 799-5432  
Date: November 9, 2001  
Phone: 767-4830  
Pages: 4  
Re: ~~10 Free St. Repair~~ 157 HIGH ST.  
CC: [Click here and type name]

Urgent     For Review     Please Comment     Please Reply     Please Recycle

**Notes:** Please find enclosed a copy of section 1705.1 of the Building Code. It is required that a statement of special inspection be submitted prior to the issuance of the permit.

SPOKE w/ MARK LEASURE - THEY INTEND  
TO CERTIFY ALL STEEL INSTALLATIONS.



**1703.2.1 Research reports:** Supporting data, where necessary to assist in the approval of all materials or assemblies not specifically provided for in this code, shall consist of valid research reports from approved sources.

**1703.3 Evaluation and follow-up inspection services:** Prior to the approval of a closed prefabricated assembly, the permit applicant shall submit an evaluation report of each prefabricated assembly. The report shall indicate the complete details of the assembly, including a description of the assembly and the assembly's components, the basis upon which the assembly is being evaluated, test results and similar information, and other data as necessary for the code official to determine conformance to this code.

**1703.3.1 Evaluation service:** The code official shall review evaluation reports from approved sources for adequacy and conformance to the code.

**1703.3.2 Follow-up inspection:** The owner shall provide for *special inspections of fabricated items* in accordance with Section 1705.2.

**1703.3.3 Test and inspection records:** Copies of all necessary test and inspection records shall be filed with the code official.

**1703.4 Identification:** All required product identification shall be legible and shall be applied to the product or product packaging, as applicable, in a manner that will allow product verification at the time of a field inspection conducted by the code official or special inspector, as applicable, prior to the issuance of a certificate of occupancy by the code official.

For products where the required identification is on the product packaging, the part of the packaging containing the product identification shall be kept at the building site where it can be verified at the time of field inspection. For products where the required identification is concealed from view after the product is installed, the code official shall be notified before the product identification is concealed and the product identification shall not be concealed before approval

#### SECTION 1704.0 APPROVALS

**1704.1 Written approval:** Any material, appliance, equipment, system or method of construction meeting the requirements of this code shall be approved in *writing* within a reasonable time after satisfactory completion of all the required tests and submission of required test reports.

**1704.2 Approved record:** For any material, appliance, equipment, system or method of construction that has been approved, a record of such approval, including all of the conditions and limitations of the approval, shall be kept on file in the code official's office and shall be open to public inspection at all appropriate times.

**1704.3 Labeling:** Products and materials required to be *labeled* shall be *labeled* in accordance with the procedures set forth in Sections 1704.3.1 through 1704.3.3.

**1704.3.1 Testing:** An *approved agency* shall test a representative sample of the product or material being *labeled* to the relevant standard or standards. The *approved agency* shall maintain a record of all of the tests performed. The record

shall provide sufficient detail to verify compliance with the test standard.

**1704.3.2 Inspection and identification:** The *approved agency* shall periodically perform an inspection, which shall be in-plant if necessary, of the product or material that is to be *labeled*. The inspection shall verify that the *labeled* product or material is representative of the product or material tested.

**1704.3.2.1 Independent:** The *agency* to be approved shall be objective and competent. The *agency* shall also disclose all possible conflicts of interest so that objectivity can be confirmed.

**1704.3.2.2 Equipment:** An *approved agency* shall have adequate equipment to perform all required tests. The equipment shall be periodically calibrated.

**1704.3.2.3 Personnel:** An *approved agency* shall employ experienced personnel educated in conducting, supervising and evaluating tests.

**1704.3.3 Label information:** The *label* shall contain the manufacturer's or distributor's identification, model number, serial number, or definitive information describing the product or material's performance characteristics and *approved agency's* identification.

**1704.4 Heretofore-approved materials:** The use of any material already *fabricated* or of any construction already erected, which conformed to requirements or approvals heretofore in effect, shall be permitted to continue, if not detrimental to life, health or safety of the public.

#### SECTION 1705.0 SPECIAL INSPECTIONS

**1705.1 General:** The permit applicant shall provide *special inspections* where application is made for construction as described in this section. The special inspectors shall be provided by the permit applicant and shall be qualified and approved for the inspection of the work described herein.

##### Exceptions

1. *Special inspections* are not required for work of a minor nature or where warranted by conditions in the jurisdiction.
2. *Special inspections* are not required for building components unless the design involves the practice of professional engineering or architecture as defined by applicable state statutes and regulations governing the professional registration and certification of engineers or architects.
3. *Special inspections* are not required for occupancies in Use Group R-3 and occupancies in Use Group U that are accessory to a residential occupancy including, but not limited to, those listed in Table 312.1.

**1705.1.1 Building permit requirement:** The permit applicant shall submit a statement of *special inspections* prepared by the registered design professional in responsible charge in accordance with Section 114.2.1 as a condition for permit issuance. This statement shall include a complete list of materials and work requiring *special inspection* by this section, the *inspections* to be performed and a list of the

be tested by ultrasonic testing or other approved methods at a percentage rate established by the *registered design professional* responsible for the structural design. All partial penetration column splice welds designed for axial or flexural tension from seismic forces shall be tested.

**1705.3.3.2.3 Base metal testing:** Base metal having a thickness more than 1½ inches (38 mm) and subject to through-thickness weld shrinkage strains shall be ultrasonically tested for discontinuities behind and adjacent to the welds after joint welding. Any material discontinuities shall be evaluated based on the criteria established in the *construction documents* by the *registered design professional* responsible for the structural design.

**1705.3.3.3 Details:** The special inspector shall perform an *inspection* of the steel frame to verify compliance with the details shown on the approved *construction documents*, such as bracing, stiffening, member locations and proper application of joint details at each connection.

**1705.4 Concrete construction:** The *special inspections* for concrete elements of buildings and structures and concreting operations shall be as required by Sections 1705.4.1 through 1705.4.7.

**Exception:** *Special inspections* shall not be required for:

1. Concrete footings of buildings three stories or less in height which are fully supported on earth or rock.
2. Nonstructural concrete slabs supported directly on the ground, including prestressed slabs on grade, where the effective prestress in the concrete is less than 150 psi (0.11 kg/mm<sup>2</sup>).
3. Plain concrete foundation walls constructed in accordance with Table 1812.3.2.
4. Concrete patios, driveways and sidewalks, on grade.

**1705.4.1 Materials:** In the absence of sufficient data or documentation providing evidence of conformance to quality standards for materials in Chapter 3 of ACI 318 listed in Chapter 35, the code official shall require testing of materials in accordance with the appropriate standards and criteria for the material in Chapter 3 of ACI 318 listed in Chapter 35. Weldability of reinforcement, except that which conforms to ASTM A706 listed in Chapter 35, shall be determined in accordance with the requirements of Section 1906.5.2.

**1705.4.2 Installation of reinforcing and prestressing steel:** The location and installation details of reinforcing and prestressing steel shall be *inspected* for compliance with the approved *construction documents* and ACI 318 (such as Sections 7.4, 7.5, 7.6 and 7.7) listed in Chapter 35. Welding of reinforcing of the structural seismic-resisting system shall be inspected for buildings assigned to Seismic Performance Category C, D or E, in accordance with Section 1610.1.7.

**1705.4.3 Formwork:** Forms for concrete, if used, shall be *inspected* for compliance with Section 6.1 of ACI 318 listed in Chapter 35, and with any additional design requirements indicated on the approved *construction documents*. *Inspection* of form removal and reshoring shall be conducted to

verify compliance with Section 6.2 of ACI 318 listed in Chapter 35.

**1705.4.4 Concreting operations:** During placing and curing of concrete, the *special inspections* listed in Table 1705.4.4 shall be performed.

**Table 1705.4.4  
REQUIRED INSPECTIONS DURING CONCRETING**

Required inspection	Reference <sup>a</sup> for criteria
1. Evaluation of concrete strength, except as exempted by Section 1908.3.1(3) of this code.	ACI 318 Section 5.6
2. Inspection for use of proper mix proportions and proper mix techniques.	ACI 318 Chapter 4, Sections 5.2, 5.3, 5.4 and 5.8
3. Inspection during concrete placement, for proper application techniques.	ACI 318 Sections 5.9 and 5.10
4. Inspection for maintenance of specified curing temperatures and techniques.	ACI 318 Sections 5.11, 5.12 and 5.13

Note a. ACI 318 listed in Chapter 35.

**1705.4.5 Inspection during prestressing:** *Inspection* during the application of prestressing forces shall be performed to determine compliance with Section 18.18 of ACI 318 listed in Chapter 35.

**1705.4.5.1 Inspection during grouting:** In buildings assigned to Seismic Performance Category C, D or E, in accordance with Section 1610.1.7, inspection during the grouting of bonded prestressing tendons in the structural seismic-resisting system shall be performed.

**1705.4.6 Manufacture of precast concrete:** The manufacture of precast concrete, as required by Section 1705.2, shall be subject to a quality control program administered by an *approved agency*.

**1705.4.7 Erection of precast concrete:** Erection of precast concrete shall be *inspected* for compliance with the approved plans and erection drawings.

**1705.5 Masonry construction:** The *special inspections* listed in Table 1705.5 shall be required for masonry construction where masonry is designed in accordance with ACI 530/ASCE 5/TMS 402 listed in Chapter 35.

**1705.6 Wood construction:** *Special inspections* of the fabrication process of wood structural elements and assemblies shall be in accordance with Section 1705.2. *Special inspection* is required for nailing, bolting, structural gluing or other fastening of the structural seismic-resisting system of buildings assigned to Seismic Performance Category C, D or E, in accordance with Section 1610.1.7.

**1705.7 Prepared fill:** The *special inspections* for prepared fill shall be as required by Sections 1705.7.1 through 1705.7.3. The approved report, required by Section 1804.1, shall be used to determine compliance.

**1705.7.1 Site preparation:** Prior to placement of the prepared fill, the special inspector shall determine that the site has been prepared in accordance with the approved report.

**1705.12.3.1 Floor, roof and wall assemblies:** The thickness of the sprayed fireresistive material applied to the underside of floor and roof assemblies and to wall assemblies shall be determined by taking the average of four measurements in each 144-square-inch (0.093 m<sup>2</sup>) sample area, having a minimum width of 6 inches (152 mm), for each 1,000 square feet (93 m<sup>2</sup>) or part thereof of the sprayed area in each story.

**1705.12.3.2 Structural framing members:** The thickness of the sprayed fireresistive material applied to structural framing members shall be determined by taking nine measurements at a single cross section for beams and girders, seven measurements at a single cross section for joists and trusses, and 12 measurements at a single cross section for columns. Thickness measurements shall be performed on 25 percent of each type of structural framing members in each story.

**1705.12.4 Density:** The density of the cured sprayed fire-resistive material applied to structure elements shall not be less than the density specified in the approved fire-resistance design or 15 pounds per cubic foot (240 kg/m<sup>3</sup>), whichever is greater. Density of the sprayed fire-resistive material shall be determined by an approved method using the sampling rates specified in Sections 1705.12.3.1 and 1705.12.3.2.

**1705.12.5 Bond strength:** The cohesive/adhesive bond strength of the cured sprayed fire-resistive material applied to structure elements shall not be less than the cohesive/adhesive bond strength specified in the approved fire-resistance design or 150 pounds per square foot (732 kg/m<sup>2</sup>), whichever is greater. The cohesive/adhesive bond strength shall be determined by an approved method using the samples of the sprayed fire-resistive material selected in accordance with Sections 1705.12.5.1 and 1705.12.5.2.

**1705.12.5.1 Floor, roof and wall assemblies:** The samples used for determining the cohesive/adhesive bond strength of the sprayed fire-resistive materials shall be taken from each floor, roof and wall assembly at the rate of one sample for every 10,000 square feet (929 m<sup>2</sup>) or part thereof of the sprayed area in each story.

**1705.12.5.2 Structural framing members:** The samples used for determining the cohesive/adhesive bond strength of the sprayed fire-resistive materials shall be taken from beams, girders, joists, trusses, and columns at the rate of one sample for each type of structural framing member for each 10,000 square feet (929 m<sup>2</sup>) of floor area of part thereof in each story.

**1705.13 Exterior insulation and finish systems (EIFS):** Special inspections shall be based upon the information provided in the manufacturer's installation instructions and the construction documents. The manufacturer's installation instructions shall include criteria for: the conditions of the substrate; foam plastic material and application; mesh application; base coat application including thickness, ambient conditions and cure; sealant requirements; finish coat application; details for joints and flashing at windows, doors, joints in the system, eaves, corners, and penetrations; and any other criteria necessary for the proper installation of the EIFS.

**1705.14 Special cases:** *Special inspections* shall be required for proposed work which is, in the opinion of the code official, unusual in its nature, such as:

1. Construction of materials and systems which are alternatives to materials and systems prescribed by this code.
2. Unusual design applications of materials described in this code.
3. Materials and systems required to be installed in accordance with additional manufacturer's instructions that prescribe requirements not contained in this code or in standards referenced by this code.

#### SECTION 1706.0 DESIGN STRENGTHS OF MATERIALS

**1706.1 Conformance to standards:** The design strengths and permissible stresses of any structural material that is identified by a manufacturer's designation as to manufacture and grade by mill tests, or the strength and stress grade is otherwise confirmed to the satisfaction of the code official, shall conform to the specifications and methods of design of accepted engineering practice or the *approved rules* in the absence of applicable standards.

**1706.2 New materials:** For materials which are not specifically provided for in this code, the design strengths and permissible stresses shall be established by tests as provided for in Sections 1708.0 and 1709.0.

#### SECTION 1707.0 ALTERNATIVE TEST PROCEDURE

**1707.1 General:** In the absence of *approved rules* or other approved standards, the code official shall make, or cause to be made, the necessary tests and investigations; or the code official shall accept duly authenticated reports from *approved agencies* in respect to the quality and manner of use of new materials or assemblies as provided for in Section 106.0. The cost of all tests and other investigations required under the provisions of this code shall be borne by the permit applicant.

#### SECTION 1708.0 TEST SAFE LOAD

**1708.1 Where required:** Where proposed construction is not capable of being designed by approved engineering analysis, or where proposed construction design method does not comply with the applicable material design standard listed in Chapter 35, the system of construction or the structural unit and the connections shall be subjected to the tests prescribed in Section 1710.0. The code official shall accept certified reports of such tests conducted by an *approved testing agency*, provided that such tests meet the requirements of this code and approved procedures.

#### SECTION 1709.0 IN-SITU LOAD TESTS

**1709.1 General:** Whenever there is a reasonable doubt as to the stability or loadbearing capacity of a completed building, structure or portion thereof for the expected *loads*, an engineering assessment shall be required. The engineering assessment shall involve either a structural analysis or an in-situ load test, or both. The structural analysis shall be based upon actual material properties and other as-built conditions which affect stability or loadbearing capacity, and shall be conducted in accordance with the applicable design standard listed in Chapter 35. If the

**GENERAL NOTES:**

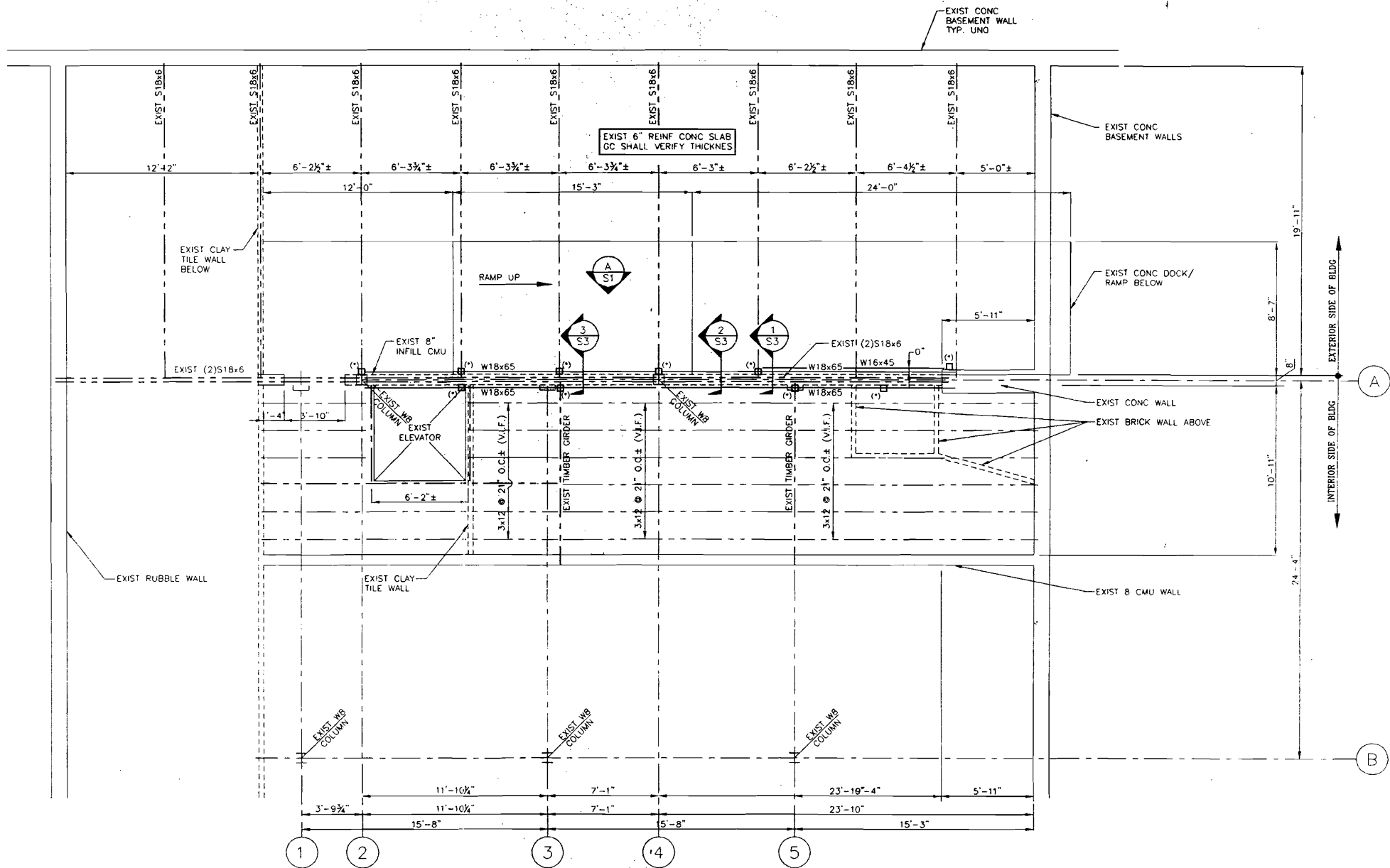
- Structural drawings shall be used in conjunction with job specifications and architectural, mechanical, electrical, plumbing, and site drawings. Consult these drawings for locations and dimensions of openings, chases, inserts, reglets, sleeves, depressions, and other details not shown on structural drawings.
- All dimensions and conditions must be verified in the field. Any discrepancies shall be brought to the attention of the engineer before proceeding with the affected part of the work.
- Do not SCALE plans.
- The structure is designed to be self supporting and stable after the Building is complete. It is the contractor's sole responsibility to determine erection procedures and sequencing to ensure the safety of the building and its components during erection. This includes the addition of necessary shoring, sheeting temporary bracing, guys or tiedowns. Such material shall remain the property of the contractor after completion of the project.
- Sections and details shown on any structural drawings shall be considered typical for similar conditions.
- All applicable federal, state, and municipal regulations shall be followed, including the federal department of labor occupational safety and health act.

**DESIGN LOADS:**

- Building code: BOCA Basic Building Code (1999)
- Design Live Loads:
  - Storage Rm roof ..... 42 PSF + drift
  - Storage ..... 125 psf
  - Parking/ delivery ..... 50 psf

**STRUCTURAL STEEL NOTES:**

- Structural steel fabrication, erection, and connection design shall conform to AISC "Specification for the design, fabrication, and erection of structural steel"—Ninth edition.
- Structural steel:
  - Structural steel shall conform to ASTM A-36
  - Structural tubing shall conform to ASTM A-500 GR B
  - Structural pipe shall conform to ASTM A-53, TYPE E or S
- All welding shall conform to AWS D1.1—Latest edition. Welding electrodes shall be E70XX.
- All bolted connections shall be performed using 3/4" A325 high strength bolts or as noted on the design drawings.
- Shop prime all structural steel with TNEDEC 10-99 rust inhibitive paint 3.0 to 6.0 mils dry thickness.
- Finish point after all bolting and welding using an epoxy based point per owners requirements.
- Complete shop drawings and schedules of all structural steel shall be prepared by the contractor and submitted to the engineer for review prior to commencement of that portion of work. All accessories must be shown on the shop drawings. Submit (3) blue line prints and (1) reproducible (sepia) to the Engineer



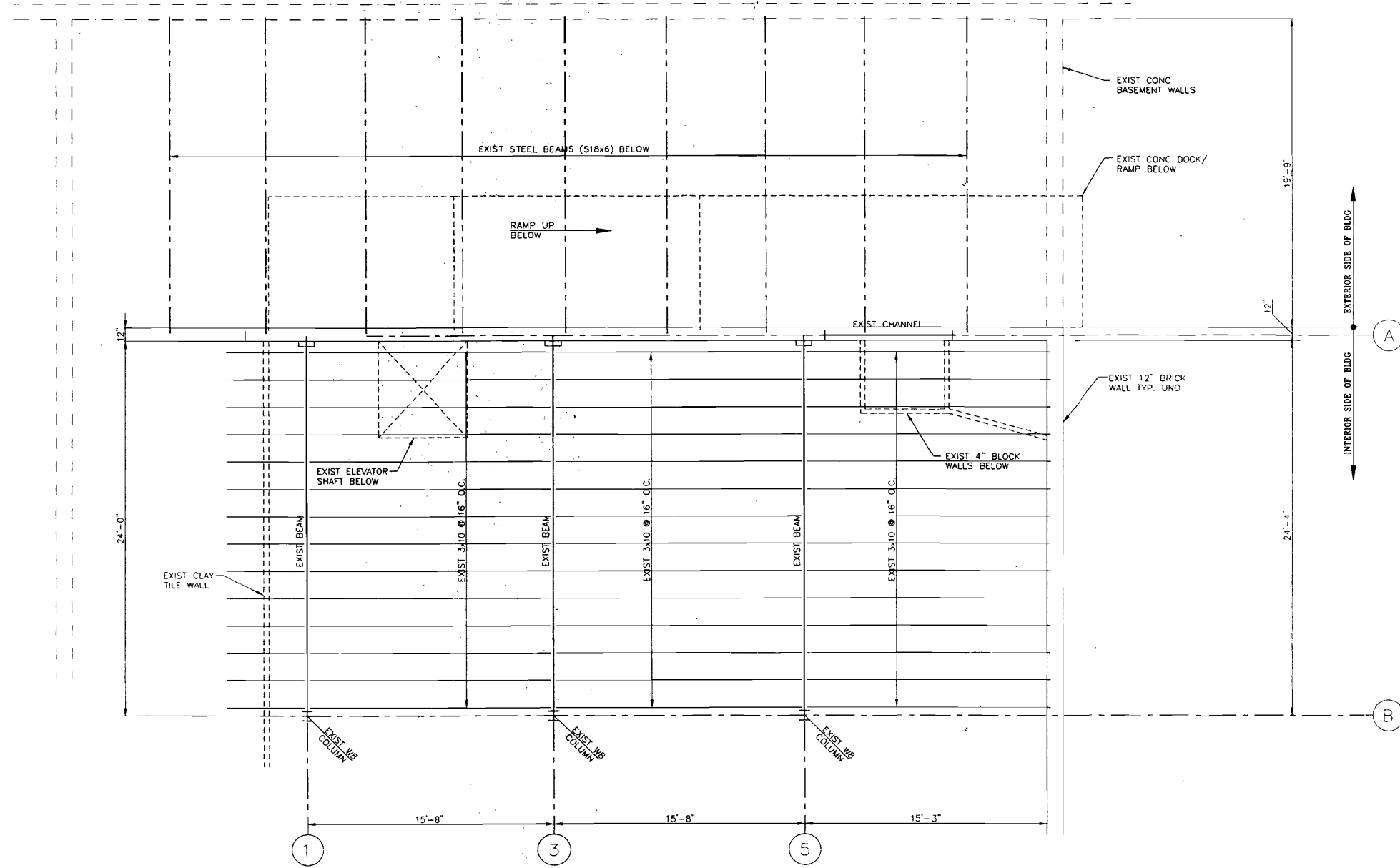
**PARTIAL STORAGE ROOM FLOOR/DELIVERY AREA FRAMING PLAN**

- 1/4" = 1'-0"
- NOTES:
- SEE GENERAL NOTES ON DWG S1.
  - T/EXIST (2)S18x6 ELEV = 100'-0" (REF).
  - (\*) - INDICATES TS5x5x3/8 STEEL COLUMN TYPICAL W/ PL3/4x7x0'-7" T&B WELDED TO EXIST/ NEW STEEL BEAMS



app'd	description	date	rev
	FOR CONSTRUCTION	08/23/01	B





**PARTIAL STORAGE ROOM ROOF FRAMING PLAN**

1/4" = 1'-0"  
 NOTES: 1. THIS DRAWING IS FOR INFORMATIONAL PURPOSES ONLY.  
 2. T/EXIST (2) S18x6 REFERENCE ELEV = 100'-0"

THESE DRAWINGS HAVE BEEN DEVELOPED BY L&L STRUCTURAL ENGINEERING SERVICES, INC. FOR THE STUDENT ONLY. THE DRAWING IS THE SOLE PROPERTY OF L&L STRUCTURAL ENGINEERING SERVICES, INC. AND SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF L&L STRUCTURAL ENGINEERING SERVICES, INC.

**L & L STRUCTURAL ENGINEERING SERVICES, INC.**  
 SIX O STREET  
 SOUTH PORTLAND, MAINE 04106  
 PHONE: (207) 767-4830  
 FAX: (207) 799-5432  
 EMAIL: LLENG@AOL.COM



date	description	approved
08/24/01	FOR CONSTRUCTION	

**EASTLAND PARK HOTEL**  
 PORTLAND, MAINE  
 PARTIAL STORAGE ROOM ROOF FRAMING PLAN

**S2**

**L & L STRUCTURAL ENGINEERING SERVICES, INC.**  
 SIX O STREET  
 SOUTH PORTLAND, MAINE 04106  
 PHONE: (207) 767-4830  
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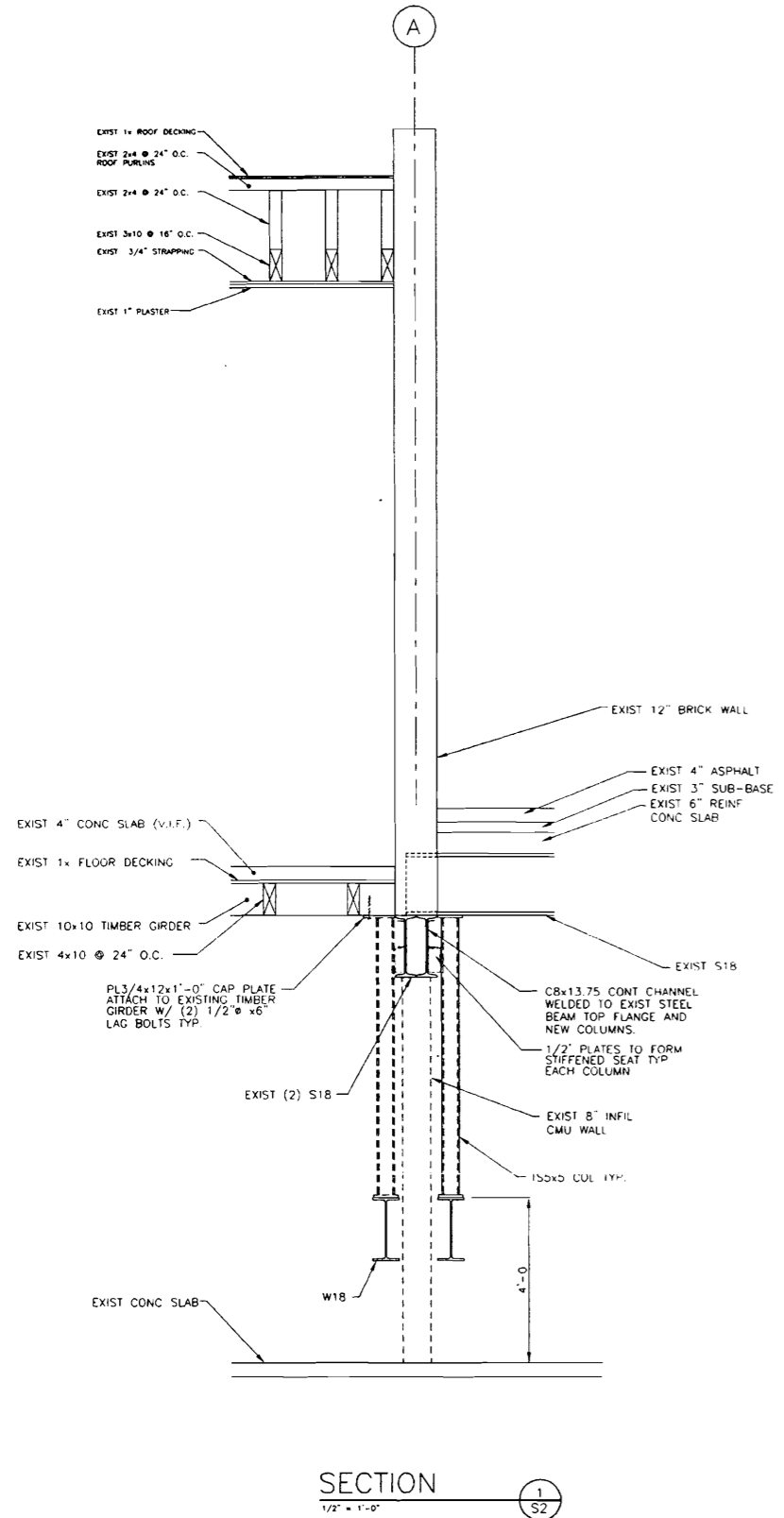
rev.	date	description
B	08/14/01	FOR CONSTRUCTION

designed by: MFL  
 drawn by: LJM  
 checked by: JHL  
 scale: 1/4" = 1'-0"  
 date: JULY 26, 2001  
 plot date: JULY 26, 2001  
 project #: 21056

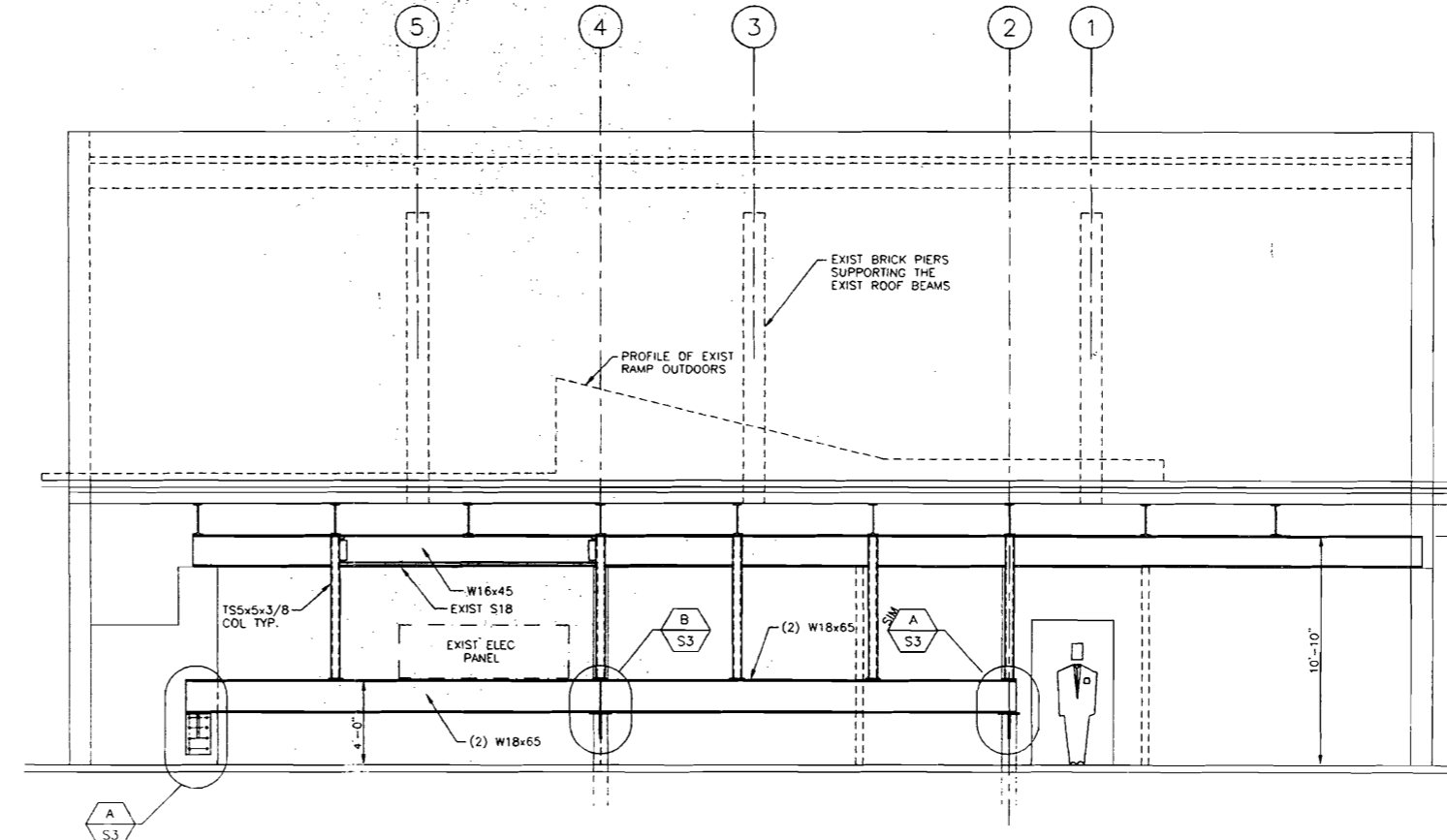
**EASTLAND PARK HOTEL**  
 PORTLAND, MAINE

**FRAMING SECTIONS/ ELEVATIONS & DETAILS**

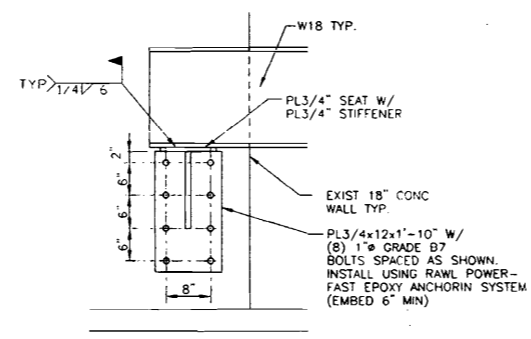
**S3**



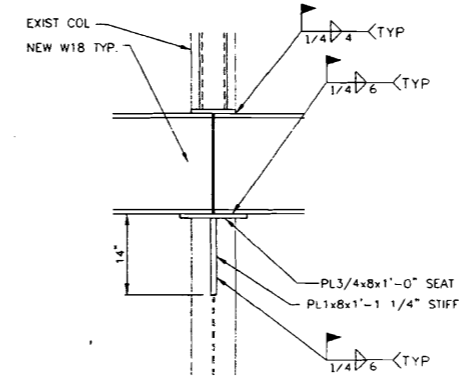
**SECTION**  
 1/2" = 1'-0"



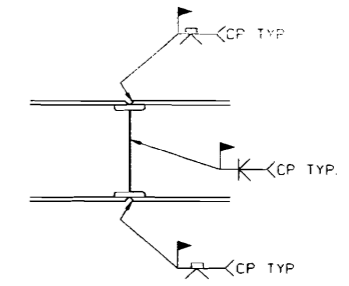
**ELEVATION**  
 1/4" = 1'-0"



**DETAIL**  
 3/4" = 1'-0"



**DETAIL**  
 3/4" = 1'-0"



**TYP. WELDED MOMENT CONN**  
 3/4" = 1'-0"  
 NOTE: 1. AT THE CONTRACTORS OPTION THE BEAMS MAY BE FIELD SPICED TO FACILITATE ACCESS INTO THE BOILER ROOM.

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**GENERAL NOTES:**

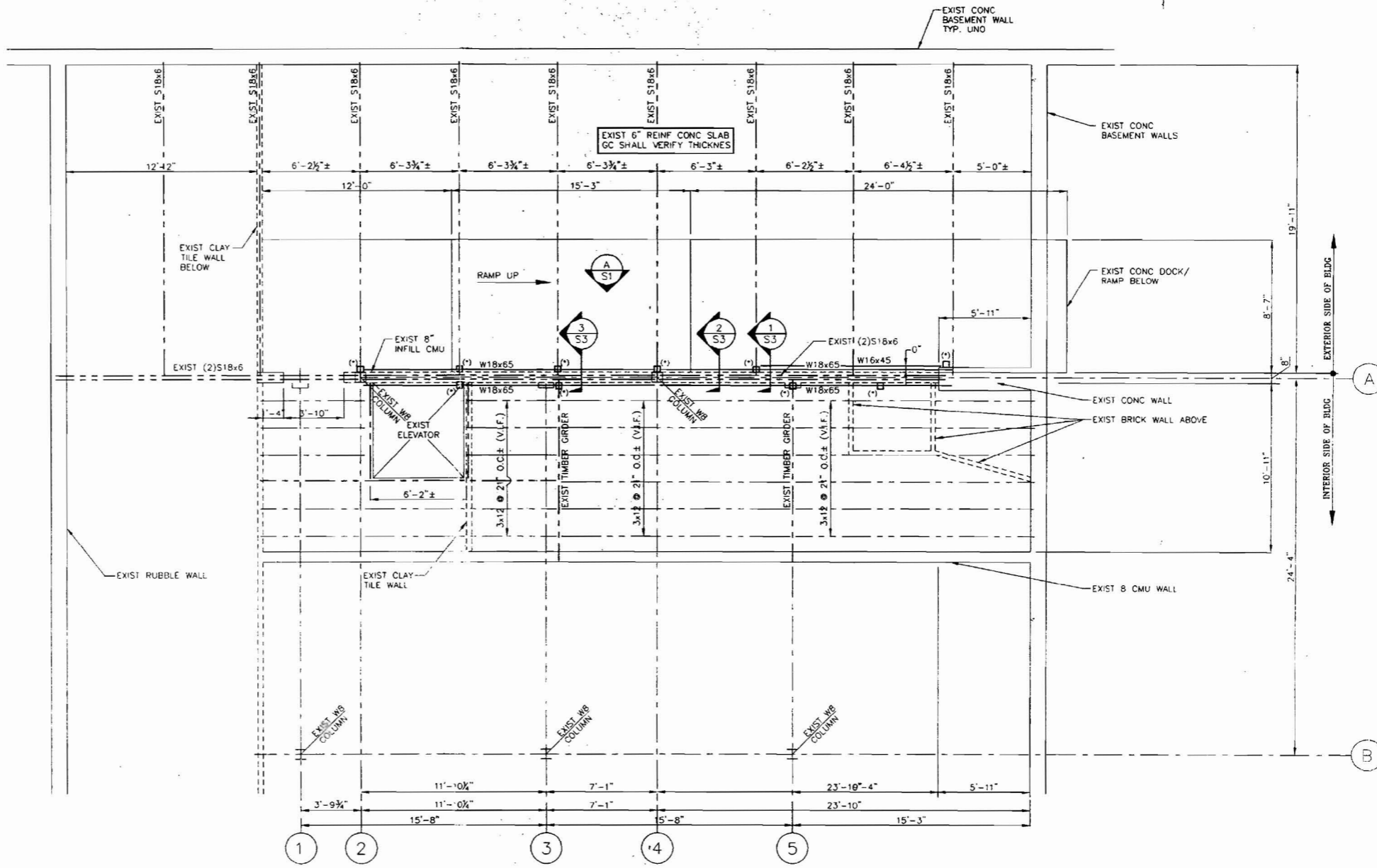
- Structural drawings shall be used in conjunction with job specifications and architectural, mechanical, electrical, plumbing, and site drawings. Consult these drawings for locations and dimensions of openings, chases, inserts, reglets, sleeves, depressions, and other details not shown on structural drawings.
- All dimensions and conditions must be verified in the field. Any discrepancies shall be brought to the attention of the engineer before proceeding with the affected part of the work.
- Do not SCALE plans.
- The structure is designed to be self supporting and stable after the Building is complete. It is the contractor's sole responsibility to determine erection procedures and sequencing to ensure the safety of the building and its components during erection. This includes the addition of necessary shoring, sheeting temporary bracing, guys or tiedowns. Such material shall remain the property of the contractor after completion of the project.
- Sections and details shown on any structural drawings shall be considered typical for similar conditions.
- All applicable federal, state, and municipal regulations shall be followed, including the federal department of labor occupational safety and health act.

**DESIGN LOADS:**

- Building code: BOCA Basic Building Code (1999)
- Design Live Loads:
  - Storage Rm roof ..... 42 PSF + drift
  - Storage ..... 125 psf
  - Parking/ delivery ..... 50 psf

**STRUCTURAL STEEL NOTES:**

- Structural steel fabrication, erection, and connection design shall conform to AISC "Specification for the design, fabrication, and erection of structural steel"-Ninth edition.
- Structural steel:
  - Structural steel shall conform to ASTM A-36
  - Structural tubing shall conform to ASTM A-500 GR B.
  - Structural pipe shall conform to ASTM A-53, TYPE E or S
- All welding shall conform to AWS D1.1-Latest edition. Welding electrodes shall be E70XX.
- All bolted connections shall be performed using 3/4"Ø A325 high strength bolts or as noted on the design drawings.
- Shop prime all structural steel with TNEDEC 10-99 rust inhibitive paint 3.0 to 6.0 mils dry thickness.
- Finish point after all bolting and welding using an epoxy based paint per owners requirements.
- Complete shop drawings and schedules of all structural steel shall be prepared by the contractor and submitted to the engineer for review prior to commencement of that portion of work. All accessories must be shown on the shop drawings. Submit (3) blue line prints and (1) reproducible (sepia) to the Engineer.



**PARTIAL STORAGE ROOM FLOOR/DELIVERY AREA FRAMING PLAN**

- 1/4" = 1'-0"
- NOTES:
- SEE GENERAL NOTES ON DWG S1.
  - T/EXIST (2)S18x6 ELEV = 100'-0" (REF)
  - (\*) - INDICATES T55x53/8 STEEL COLUMN TYPICAL W/ PL3/4x7x0'-7" T&B WELDED TO EXIST/ NEW STEEL BEAMS

**L & L STRUCTURAL**  
 ENGINEERING SERVICES, INC.  
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 FAX: (207) 799-5432  
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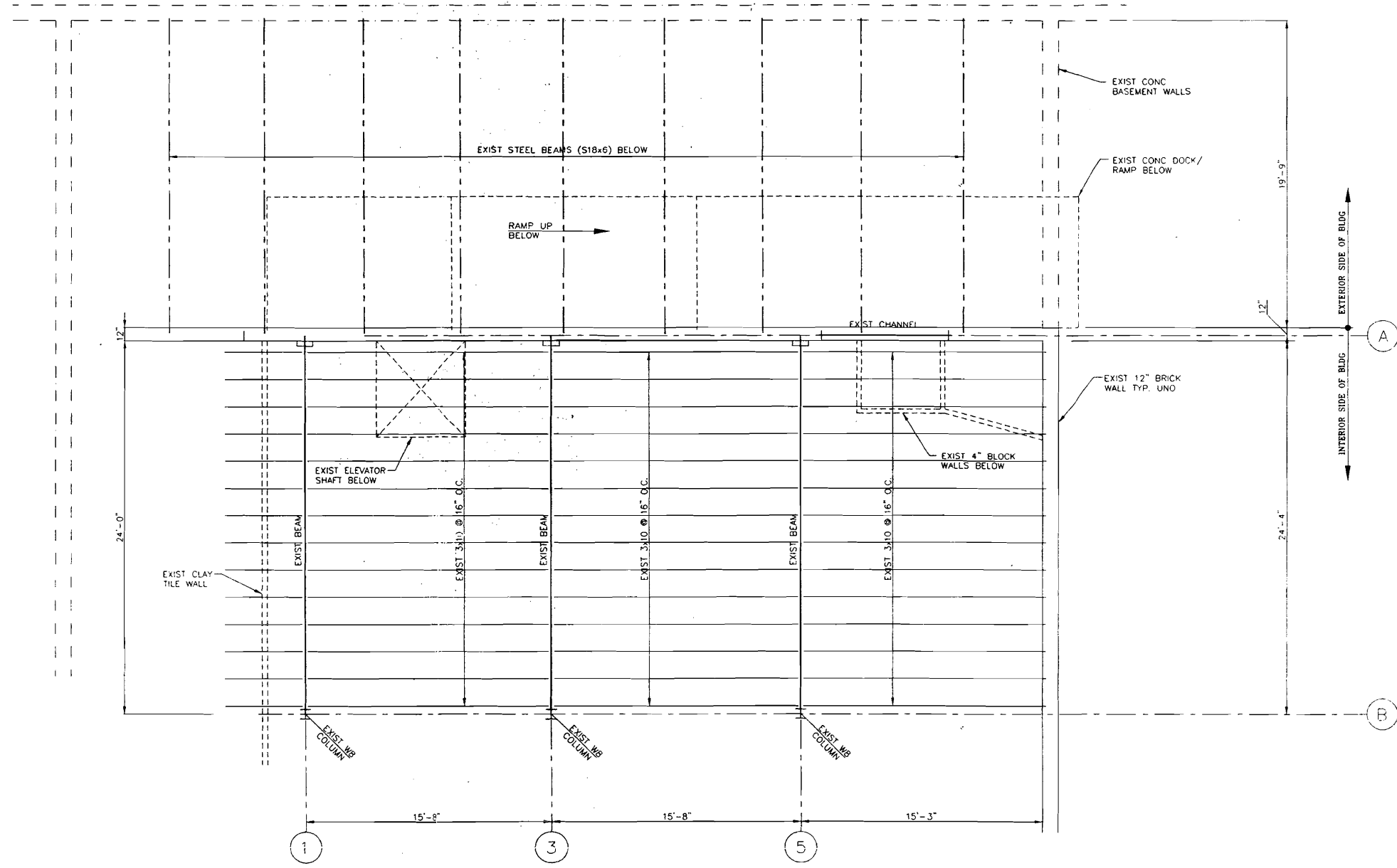


designed by	MFL
drawn by	LJK
checked by	JHL
scale	1/4" = 1'-0"
date	JULY 25, 2001
plot date	AUGUST 24, 2001
project #	71056

**EASTLAND PARK HOTEL**  
 PORTLAND, MAINE  
 PARTIAL FRAMING PLAN/  
 BEAM REINFORCEMENT PLAN

**S1**

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**PARTIAL STORAGE ROOM ROOF FRAMING PLAN**

- 1/4" = 1'-0"  
 NOTES: 1. THIS DRAWING IS FOR INFORMATIONAL PURPOSES ONLY.  
 2. T/EXIST (2) S18x6 REFERENCE ELEV = 100'-0"

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 E-MAIL: LLEN@AOL.COM



designed by: MFL	association:
drawn by: L&L	1/4" = 1'-0" FOR CONSTRUCTION
checked by: JML	
date: JUL 26 2001	
plot date: AUGUST 24 2001	
project #: 21056	

**EASTLAND PARK HOTEL**  
 PORTLAND, MAINE  
 PARTIAL STORAGE ROOM ROOF FRAMING PLAN

**S2**

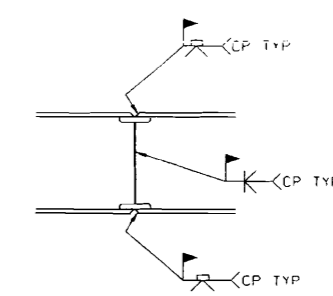
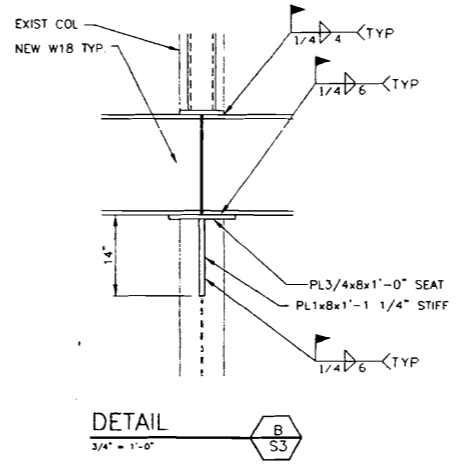
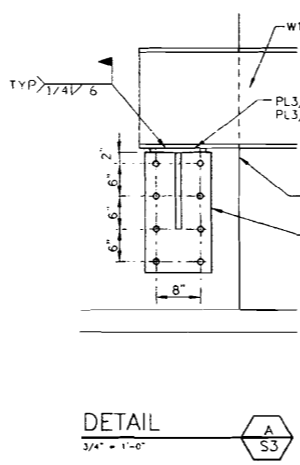
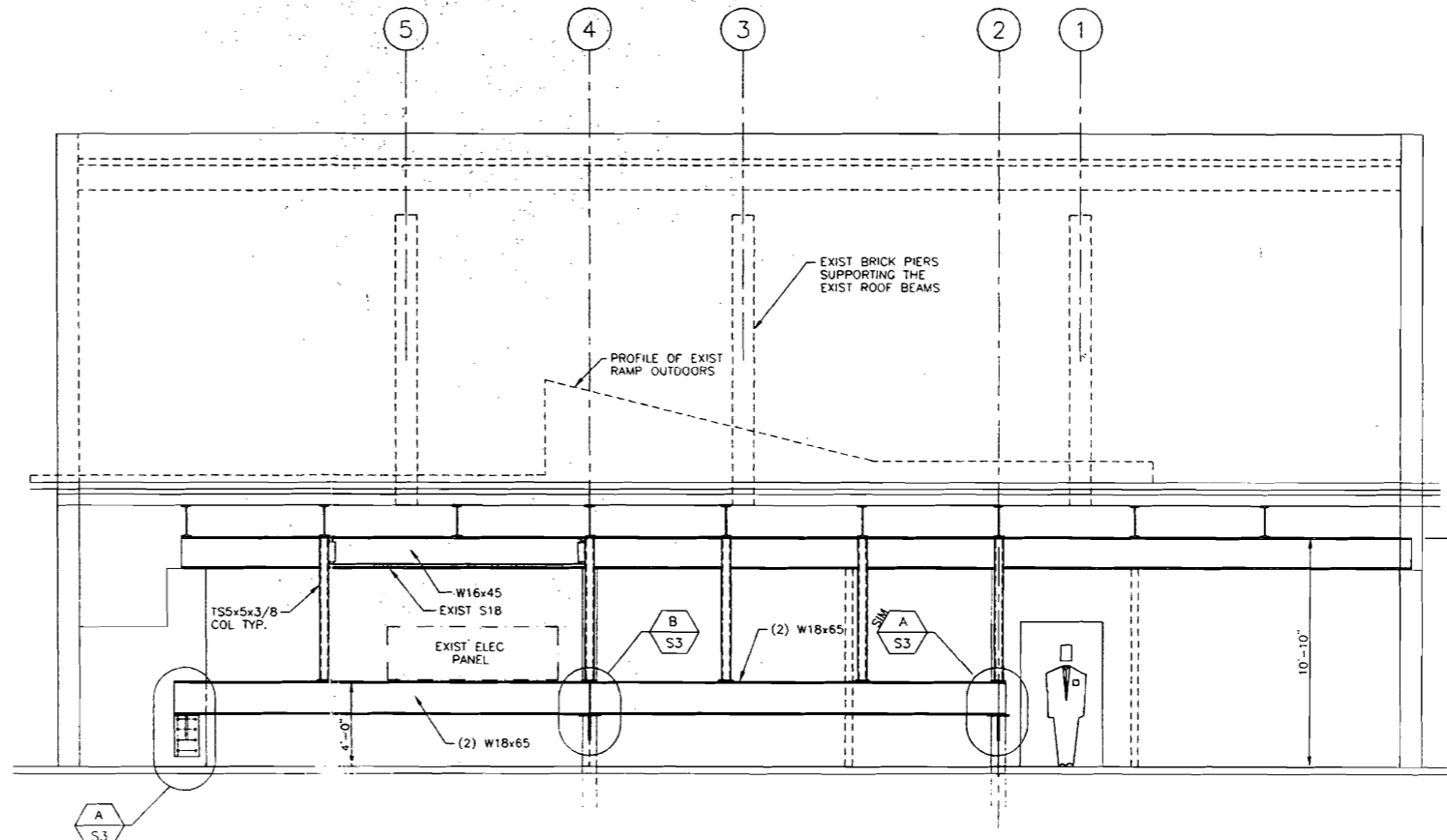
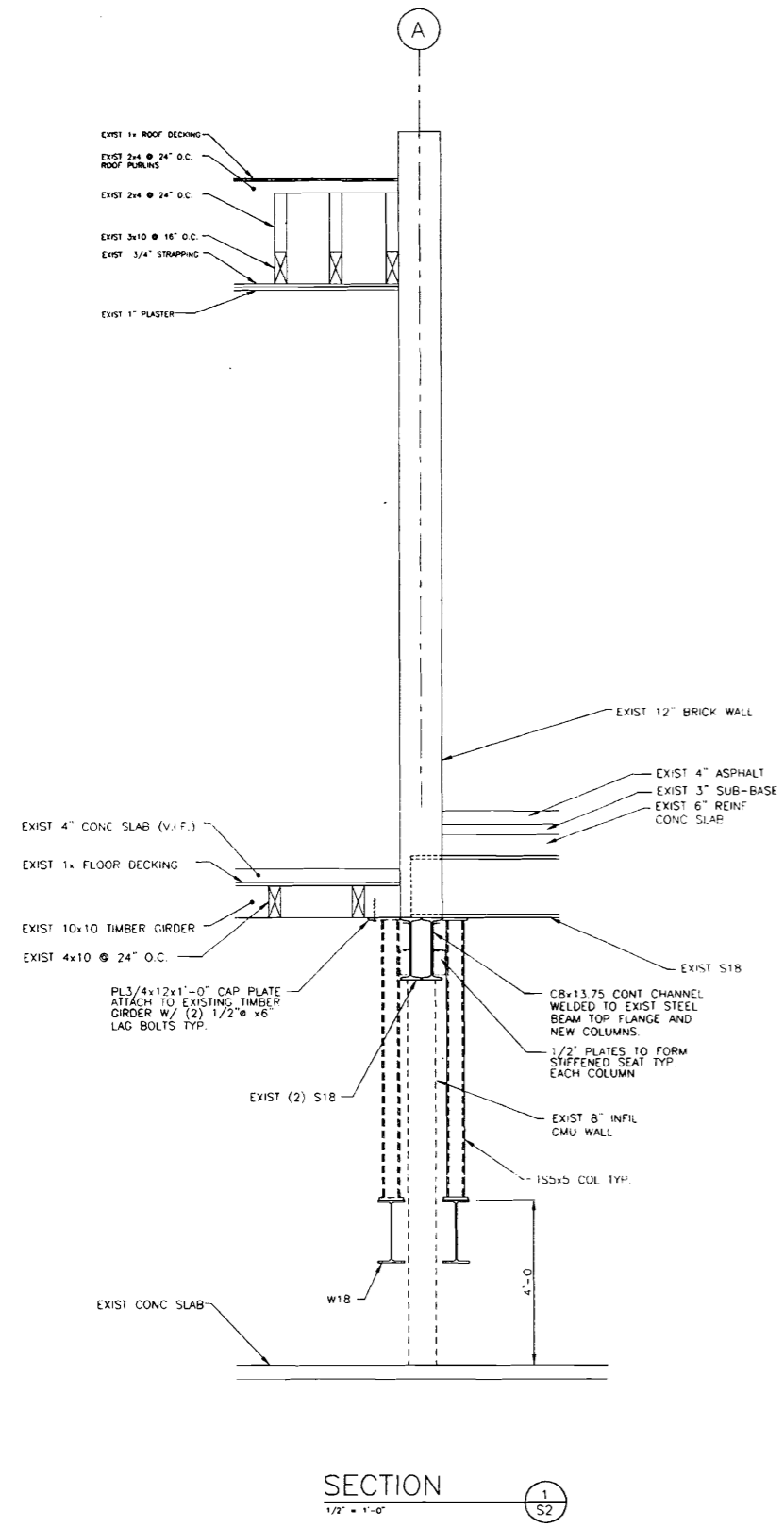


date	description
08/24/01	FOR CONSTRUCTION

designed by: JFL	checked by: JLN
scale: 1/4" = 1'-0"	date: JULY 26, 2001
plot date: JULY 26, 2001	project #: 21056

**EASTLAND PARK HOTEL**  
 PORTLAND, MAINE  
 FRAMING SECTIONS/ ELEVATIONS & DETAILS



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GENERAL RECEIPT

# CITY OF PORTLAND, MAINE

DEPARTMENT Inspections DATE 10/31/01

RECEIVED FROM Deter's Construction

ADDRESS 157 High Street

UNIT	ITEM	REVENUE CODE	DOLLAR AMOUNT
	Building		13500
	Check # 1990		
	CBT: 037 F 009		

CASH  CHECK  OTHER

TOTAL 13500

RECEIVED BY [Signature]