City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No:	Issue Date:	CBL:
06-1434		326 B009001

Location of Construction:	Owner Name:	Owner Address:	Phone:
50 INDUSTRIAL WAY	50 INDUSTRIAL WAY LLC	100 INDUSTRIAL WAY	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Langford & Low, Inc.	PO Box 662 Portland	2077975141
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		Commercial	

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
Vacant	Commercial 12,350 sf bldg Brewing Plant	$12,995.00	$1,289,102.00	5

FIRE DEPT: ☐ Approved ☐ Denied

Signature:

INSPECTION: Use Group Type

Signature:

Proposed Project Description:
12,350 sf bldg Brewing Plant

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action ☐ Approved ☐ Approved w/Condition ☐ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
dmartin	09/26/2006

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..

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland	☐ Variance	☐ Not in District or Landma
☐ Wetland	☐ Miscellaneou	☐ Does Not Require Revie
☐ Flood Zon	☐ Conditional Us	☐ Requires Review
☐ Subdivision	☐ Interpretati	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Condition
Ma ☐ Mino ☐ M ☐	☐ Denied	☐ Denied
Date:	Date:	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 APPLICAN ADDRESS DATE PHO

RESPONSIBLE PERSON IN CHARGE OF WORK, TIT DATE PHO

Location of Construction:	Owner Name:	Owner Address:	Phone:
50 INDUSTRIAL WAY	50 INDUSTRIAL WAY LLC	100 INDUSTRIAL WAY	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Langford & Low, Inc.	PO Box 662 Portland	2077975141
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		Commercial	

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 10/03/2006

Note: **Ok to Issue:** ☑

1) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
2) Separate permits shall be required for any new signage.

Dept: Building **Status:** Pending **Reviewer:** Mike Nugent **Approval Date:**

Note: **Ok to Issue:** ☐

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 10/04/2006

Note: **Ok to Issue:** ☐

2) Fire Alarm system shall comply with NFPA 72
3) Application requires State Fire Marshal approval.
4) All means of egress shall terminate at a public way

Comments:

10/3/2006-mes: need a stamped approved site - e-mailed Jean F.

10/11/2006-ldobson: Left message w/ design professional - Mike Hayes - need Geo report, statement of special inspections per MJN

10/30/2006-gg: Plans have issues:

Wood frame stairs not allowed in type 2 construction
open risers not allowed
need UL lsitings for fire separation assemblies
need "fire glass" info (ASTM Testing info)
Need Com Check
Need Steel AISC Cert.
Need Mechanical/Plumbing and electrical plans

Spoke with Both Langford and Lowe and Mike Hayes.

CERTIFICATION

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SIGNATURE OF APPLICAN ADDRESS DATE PHO

RESPONSIBLE PERSON IN CHARGE OF WORK, TIT DATE PHO

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50 INDUSTRIAL WAY	50 INDUSTRIAL WAY LLC	100 INDUSTRIAL WAY	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Langford & Low, Inc.	PO Box 662 Portland	(207) 797-5141
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Commercial	

10/30/2006-gg: Plans have issues:

Wood framje stairs not allowed in type 2 construction
open risers not allowed
need UL lsitings for fire separation assemblies
need "fire glas" info (ASTM Testing info)
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Spoke with Both Langford and Lowe and Mike Hayes.

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

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06-1434	09/26/2006	326 B009001

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Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Langford & Low, Inc.	PO Box 662 Portland	(207) 797-5141
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Commercial	

Proposed Use:	Proposed Project Description:
Commercial 12,350 sf bldg Brewing Plant	12,350 sf bldg Brewing Plant

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 10/03/2006

Note: **Ok to Issue:** ☑

1) Separate permits shall be required for any new signage.

2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building **Status:** Pending **Reviewer:** Mike Nugent **Approval Date:**

Note: **Ok to Issue:** ☐

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 10/04/2006

Note: **Ok to Issue:** ☐

1) All means of egress shall terminate at a public way

3) Application requires State Fire Marshal approval.

4) Fire Alarm system shall comply with NFPA 72

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 11/30/2005

Note: Condition is met. **Ok to Issue:** ☐

Revised plan received 5-10-06 show redesigned 20 ' access to north/ west side of structure. This condition is met.
Existing hydrant is adjacent to the access and has been shown on the plans revised 7.19.2006.

3) Fire Hydrant required with-in 500 feet

Dept: Planning **Status:** Approved with Conditions **Reviewer:** Jean Fraser **Approval Date:** 02/21/2006

Note: Condition re Landscape Plan met 5.8.06; plans stamped and circulated 5.8.06 **Ok to Issue:** ☐

1) Applicant must submit revised Landscape Plan to show adequate buffers, including treesaves and reinstatement tree planitng between the site and adjacent sites, and on SE corner near Industrial Way, for review and approval by the City Arborist.

Comments:

10/3/2006-mes: need a stamped approved site - e-mailed Jean F.

10/11/2006-ldobson: Left message w/ design professional - Mike Hayes - need Geo report, statement of special inspections per MJN

3263-9

FROM DESIGNER: Aaron S. Wilson P.E.

DATE:

Job Name: Iallagash Brewery 50 Ind Way

Address of Construction:

2003 International Building Code

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

Building Code and Year 2003 IBC Use Group Classification(s) Industrial & Business

Type of Construction II (000)

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC Y

Is the Structure mixed use? Y if yes, separated or non separated (see Section 302.3) Separated

Supervisory alarm system? Y Geotechnical/Soils report required?(See Section 1802.2) Y

STRUCTURAL DESIGN CALCULATIONS

____ Submitted for all structural members *(106.1, 106.1.1)*

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)

Uniformly distributed floor live loads *(1603.1.1, 1607)*

Floor Area Use	Loads Shown
INDUSTRIAL	125 psf
OFFICE	50 psf
MEZZ. STORAGE	200 psf

Wind loads *(1603.1.4, 1609)*

- 3 — Design option utilized *(1609.1.1, 1609.6)*
- 100 MPH — Basic wind speed *(1609.3)*
- 1.0 — Building category and wind importance factor, I_w *(Table 1604.5, 1609.5)*
- B — Wind exposure category *(1609.4)*
- +/- 0.18 — Internal pressure coefficient *(ASCE 7)*
- +/- 24 psf — Component and cladding pressures *(1609.1.1, 1609.6.2.2)*
- +/- 16 psf — Main force wind pressures *(1609.1.1, 1609.6.2.1)*

Earthquake design data *(1603.1.5, 1614 - 1623)*

- Simplified — Design option utilized *(1614.1)*
- I — Seismic use group ("Category") *(Table 1604.5, 1616.2)*
- 0.37/0.16 — Spectral response coefficients, S_{DS} & S_{D1} *(1615.1)*
- D — Site class *(1615.1.5)*

- N.A. — Live load reduction *(1603.1.1, 1607.9, 1607.10)*
- 20 psf — Roof live loads *(1603.1.2, 1607.11)*

Roof snow loads *(1603.1.3, 1608)*

- 60 psf — Ground snow load, P_g *(1608.2)*
- 42 psf — If P_g > 10 psf, flat-roof snow load, P_f *(1608.3)*
- 1.0 — If P_g > 10 psf, snow exposure factor, C_e *(Table 1608.3.1)*
- 1.0 — If P_g > 10 psf, snow load importance factor, I_s *(Table 1604.5)*
- 1.0 — Roof thermal factor, C_t *(Table 1608.3.2)*
- 42 psf — Sloped roof snowload, P_s *(1608.4)*
- C — Seismic design category *(1616.3)*
- CBF — Basic seismic-force-resisting system *(Table 1617.6.2)*
- 5/4.5 — Response modification coefficient, R_I and deflection amplification factor, C_d *(Table 1617.6.2)*
- S — Analysis procedure *(1616.6, 1617.5)*
- 37K — Design base shear *(1617.4, 1617.5.1)*

Flood loads *(1603.1.6, 1612)*

- N.A. — Flood hazard area *(1612.3)*
- N.A. — Elevation of structure

Other loads

- NA — Concentrated loads *(1607.4)*
- NA — Partition loads *(1607.5)*
- NA — Impact loads *(1607.8)*
- NA — Misc. loads *(Table 1607.8, 1607.8.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)*

CITY OF PORTLAND
BUILDING CODE CERTFICATE
389 Congress St., Room 315
Portland, Maine 04101

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
OCT - 2 2006
RECEIVED

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Service

FROM: MICHAEL F. HAYS / GRANT HAYS ASSOCIATES

RE: Certificate of Design

DATE: 9/21/06

These plans and / or specifications covering construction work on:

NEW FACILITY FOR ALLAGASH BREWERY - 50 INDUSTRIAL WAY - PORTLAND, MAINE - ARCHITECTURAL DRAWINGS ONLY

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

LICENSED ARCHITECT (SEAL) MICHAEL F. HAYS NO. 1724 STATE OF MAINE

As per Maine State Law:

$50,000.00 or more in new construction, repair expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.

Signature: Michael F. Hays

Title: PRINCIPAL

Firm: GRANT HAYS ASSOCIATES

Address: P.O. BOX 6179
FALMOUTH, ME 04105

CITY OF PORTLAND
BUILDING CODE CERTIFICATE
389 Congress St., Room 315
Portland, Maine 04101

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
OCT - 2 2006
RECEIVED

ACCESSIBILITY CERTIFICATE

Designer: MICHAEL F. HAYS

Address of Project: 350 INDUSTRIAL WAY, PORTLAND, MAINE

Nature of Project: NEW FACILITY FOR ALLAGASH BREWERY

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.

LICENSED ARCHITECT
MICHAEL F. HAYS
NO. 1724
STATE OF MAINE

Signature: Michael F. Hays

Title: PRINCIPAL

Firm: GRANT HAYS ASSOCIATES

Address: P.O. BOX 6179
FALMOUTH, MAINE 04105

Phone: 207-871-5900

NOTE: If this project is a new Multi Family Structure of 4 units or more, this project must also be designed in compliance with the Federal Fair Housing Act. On a separate submission, please explain in narrative form the method of compliance.

STATEMENT OF SPECIAL CONSTRUCTION MONITORING

PROJECT: **Allagash Brewery Facility**
Portland, Maine

PERMIT APPLICANT: **Langford and Low Inc.**
APPLICANT'S ADDRESS: **248 Warren Ave, Portland, ME 04104**

STRUCTURAL ENGINEER OF RECORD
Foundations: **Associated Design Partners, Inc**
Pre-Fabricated Steel Building: **Gulf States Manufacturers, Inc.**

CONTRACTOR: **Langford and Low Inc.**

This Statement of Special Construction Monitoring is submitted as a condition for building permit issuance in accordance with Section 1704.0 of the 2003 International Building Code. It includes the Schedule of Special Construction Monitoring and Testing as applicable to this project. Also included is a listing of agents and other approved agencies to be retained for conducting the monitoring and testing applicable to this project.

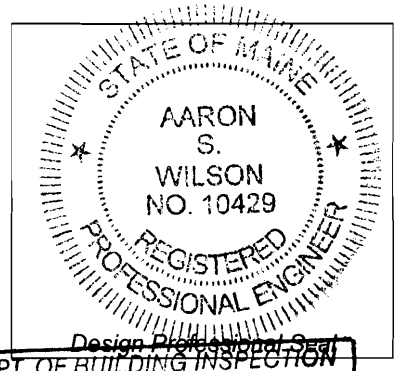
The Special Construction Monitoring Coordinator shall keep records of all observations listed herein, and shall furnish field reports to the Registered Design Professional of Record. All discrepancies shall be brought to the immediate attention of the Contractor for correction, and to the Registered Design Professional of Record. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Registered Design Professional of Record. Interim reports shall be submitted to the Registered Design Professional of Record monthly, unless more frequent submissions are requested.

The Special Construction Monitoring program does not relieve the Contractor of his or her responsibilities. Job site safety is solely the responsibility of the Contractor. Materials and activities covered under the monitoring schedule are not to include the Contractor's equipment and methods used to erect or install the materials listed.

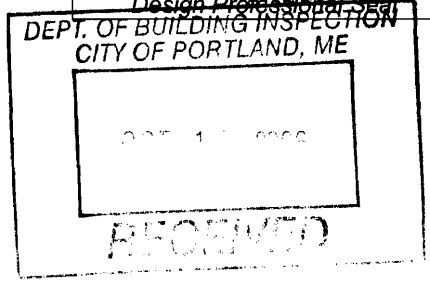
Prepared by:

Aaron S. Wilson
(type or print name)

10.12.06
Signature Date



Design Professional Seal



ASSOCIATED DESIGN PARTNERS INC.

Transmittal Note

No:

To:
City of Portland

Reply to:
Assoicated Design Partners, Inc
80 Leighton Road
Falmouth, Maine 04105
tel. (207) 878-1751 fax. (207) 878-1788
email. adp@adpengineering.com

These documents are issued to you for:	
Progress	
Comment	
Approval	x
Information	
Construction	
Records	
As noted	
Revision Purposes	
Progress	
Client Review	
Bidding	

Job Title:	**Allagash Brewery Facility**
ADP Job #	**06131**

Remarks: Statement of Special Construction Monitoring & Geotech Report

Drawing / Document No.	Revision	No. of Copies		Date	Title / Description	Comments
		Prints	Repros			

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
OCT 13 2006
RECEIVED

Copies have been forwarded for information as follows:

Complete Sets	No.	Transmittal Note Only
N/A		

Issued By: Aaron Wilson

Date 10/12/2006

From: Jay Reynolds
To: Jean Fraser
Date: 10/3/2006 12:54:45 PM
Subject: Re: Fwd: 50 Industrial Way - #2005-0249

Alligash has submitted completed all their standard conditions of approval and are currently working on-site clearing/construction. Ok to sign off on Building permit.....
Sorry I forgot to inform you.....
Jay

Jay Reynolds
Development Review Coordinator
City of Portland Planning Division
(207) 874-8632
jayjr@portlandmaine.gov

>>> Jean Fraser 10/03/2006 11:56:50 AM >>>
Jay,

I circulated the approved plans in July and I think the Performance Guarantee was outstanding at that time. Couldyoulet marge know re the Performance Guarantee...

(I sent them the forms)

Jean

>>> Marge Schmuckal 10/3/2006 11:32:51 AM >>>
Jean,
I have received a permit appliction for the Allagash Brewwing Co. - Can I get a stamped approved site plan? Can a building permit be issued?
Marge

CC: Marge Schmuckal

STATE OF MAINE
17 State House Station
Augusta, ME 04333

IN THE MATTER OF

ALLAGASH BREWING COMPANY
Portland, Cumberland County
Allagash Brewing Company
L-21059-TC-B-N (approval)

) NATURAL RESOURCES PROTECTION ACT
) FRESHWATER WETLAND ALTERATION
) WATER QUALITY CERTIFICATION
) FINDINGS OF FACT AND ORDER

Project Description: The applicant received prior Departmental approval for a Tier 1 application (L-21059-TC-A-N) to fill approximately 14,180 square feet of wetland. The project was not constructed and the permit expired on September 30, 2004. The applicant now proposes to alter 13,747 square feet of palustrine forested freshwater wetland to construct a new 18,200 square foot production, warehouse and office facility with associated parking and loading. A small stormwater detention pond will be constructed on the east side of the building. Allagash Brewing needs to build a new facility to accommodate the company's growth. They currently lease 10,000 square feet of space and are close to capacity. The applicant tried to avoid the wetland area by utilizing all of the upland area at the front of the lot. The new facility will be on land adjacent to their existing leased facility at 100 Industrial Park Way. The proposed project is shown on a plan entitled "Grading & Utility Plan, Lot 18, Turnpike Industrial Park" drawn by Sebago Technics and dated November 15, 2005.

Permit for:	[X]	Tier 1
DEP Decision:	[X]	Approved [ ] Denied (see attached letter)
CORPS Action:	[X]	The Corps has been notified of your application. The following are subject to Federal screening: (1) projects with previously authorized or unauthorized work, in combination with a Tier 1 permit for a single and complete project, which total more than 15,000 square feet of altered area; (2) projects with multiple state permits and/or state exemptions which apply to a single and complete project that total more than 15, 000 square feet of altered area; and (3) projects that may impact a vernal pool, as determined by the State of Maine or the Corps. If your activity is listed above, *Corps approval is required for your project.* For information regarding the status of your application contact the Corps' Maine Project Office at 623-8367.

Standard Conditions:

1) If construction or operation of the activity is not begun within two (2) years from the date signed, this permit shall lapse and the applicant shall reapply to the Department for a new permit. This permit is transferable only with prior approval from the Department. If the activity is associated with a larger project, starting any aspect of that project constitutes start of construction.
2) The project shall be completed according to the plans in the application. Any change in the project plans must be reviewed and approved by the Department.
3) Properly installed erosion control measures shall be installed prior to beginning the project, and all disturbed soil should be stabilized immediately upon project completion.
4) A copy of this approval will be sent to the City of Portland. Department approval of your activity does not supersede or substitute the need for any necessary local approvals.

Please note the attached sheet for guidance on appeal procedures.

THIS APPROVAL DOES NOT CONSTITUTE OR SUBSTITUTE FOR ANY OTHER REQUIRED STATE, FEDERAL OR LOCAL APPROVALS NOR DOES IT VERIFY COMPLIANCE WITH ANY APPLICABLE SHORELAND ZONING ORDINANCES.

DAVID P. LITTELL, ACTING COMMISSIONER

12/29/05
DATE

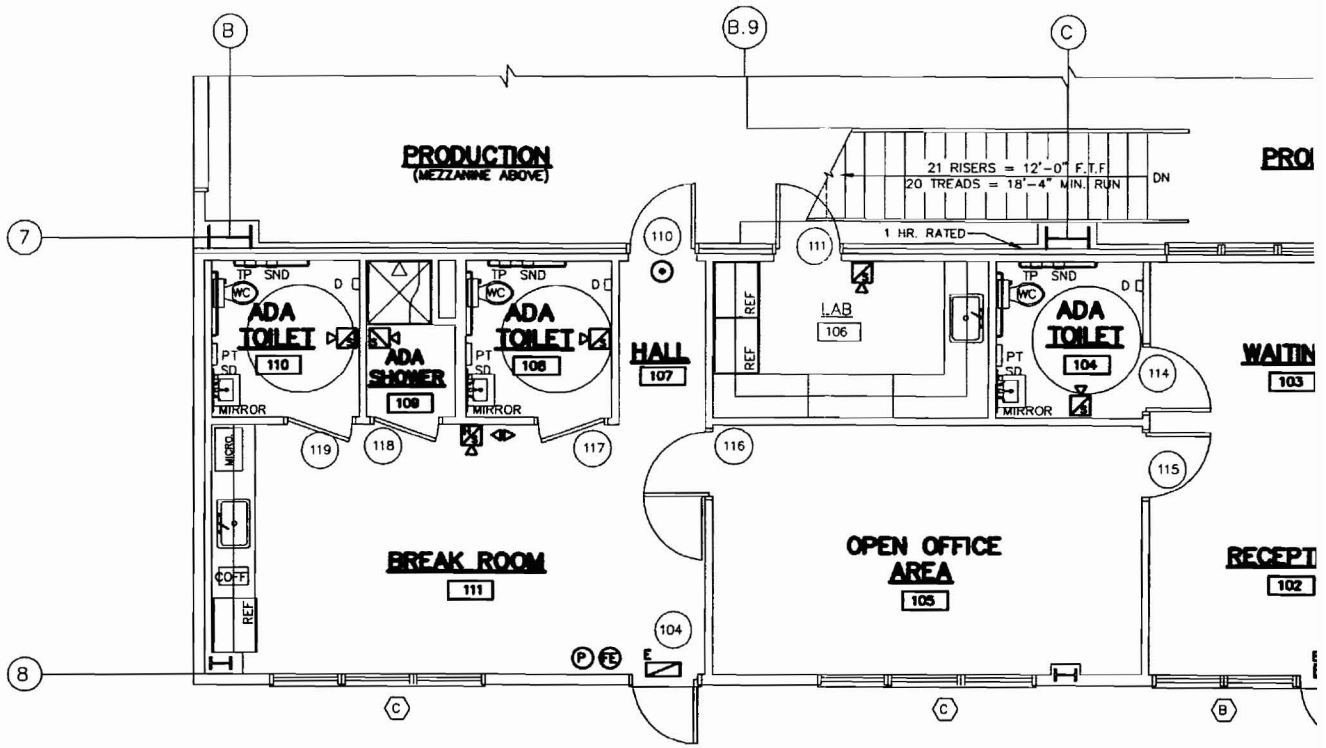
FILED
DEC 29 2005
BOARD OF ENVIRONMENTAL PROT.

Date of initial application November 16, 2005
Date application accepted for processing November 28, 2005
Date filed with Board of Environmental Protection December , 2005

NFPA 101 Life Safety Code - 2003 Edition

Building Classification:	Industrial – 11,950 sf & Business – 2,100 sf Future Storage – 5,200 sf
Hazard Classification:	Ordinary Hazard
Construction Type:	Type III (200)
Occupant Loads:	Industrial @ 100 sf/occupant = 120 occupants (30 actual) Ancilliary Business @ 100 sf/occupant = 21 occupants (5 actual) Ancilliary Future Storage - NA
Separation of Use Rating:	2 hour
Janitor, Mech, Stor Rating:	1 hour
Stair Rating:	2 hour (1 Hour)
Elevator Shafts:	2 hours (NA)
Area of Refuge:	1 hour
Minimum Stair width:	44" clear, 36" if less than 50 occupants
Maximum Riser height:	7"
Minimum Tread width:	11"
Minimum Headroom:	6'-8" at stairs, 7'-6" at occupied areas
Maximum ht between landings:	12'-0"
Handrail height:	34"-38" @ 42" guardrail
Handrail top extension:	12" horz.
Handrail bottom extension:	11" angled + 12" horz.
Handrail diameter:	1-1/4" O.D
Maximum ballustet open space:	less than 4"

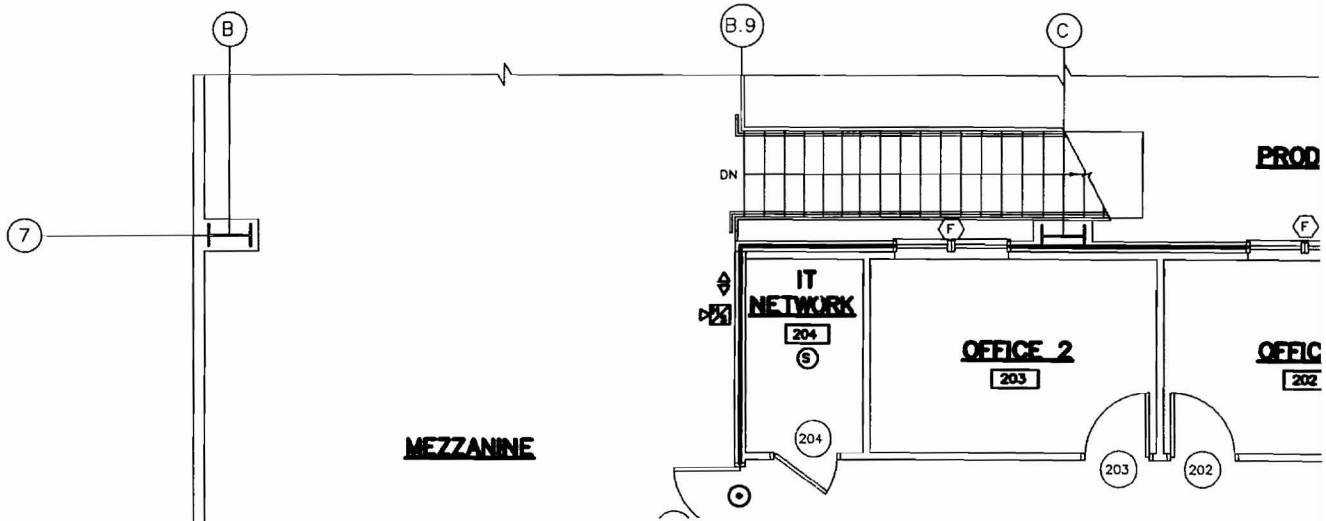
Building Uses "(s)" denotes if building is fully sprinkled	Industrial	Business
Max. Allowable Travel Distance:	200' (400')	200' (300')
Max. Allowable Common Path:	50' (100')	75' (100')
Max. Dead End Corridor Length:	50'	20' (50')
Minimum Egress Corridor Width:	44"/36" if >50 occ	44"/36" if >50 occ.
Minimum Number of Required Exits	2	2 (1 if less than 30 Occupants and less than 100' travel distance on egress floor level to exit)
Minimum Horz Egress Enclosure rating:	1 hr (none)	1 hr (none)
Minimum Separation of exits:	75' (50')	33' (22')
Fire Escapes as means of egress:	Allowed (NA)	Allowed (NA)
Minimum Egress Door Width:	36"	36"
Exit Lighting:	Required	Required
Emergency Lighting:	Required	Required
Fire Alarm System:	Required	Not Required
Fire Sprinkler System:	Not Required	Not Required
Portable Fire Extinguishers:	Required	Required
Exit Devices/Panic Hardware	Required	Required



FIRST FLOOR PLAN

NFPA LEGEND

- FE — FIRE EXTINGUISHER
- P — FIRE ALARM PULL
- EXIT SIGN/ LIGHT
- emergency light
- S — SMOKE DETECTOR
- HORN STROBE UNIT 110 cd/ 15db
- STROBE UNIT 110 cd
- K — KNOX BOX
- ALARM — NOTIFICATION PANEL
- "NOT AN EXIT" SIGN



2003 International Building Code
(All Storage is building is fully sprinkled)

Use Group Classification:	Factory – Use Group F2 Ancillary Business - Use Group B Ancillary Future Storage – Use Group S1
Construction:	Type IIIB – Non-Combustible, Unprotected
Occupant Loads:	F2 @ 100 sf/occupant = 120 occupants (30 actual) B @ 100 sf/occupant = 21 occupants (5 actual) Future S1 @ 500 sf/occupant = 11 occupants
Area Use Separation Ratings:	2 hour
Janitor, Mech & Storage Rooms:	1 hour

Building Limitations

Construction Type:	IIIB Unprotected
Maximum Height:	3 story ; 30' (+1 story/20') @ F2
Maximum Area - Floor:	18,000 sf (36,000 sf) @ F2

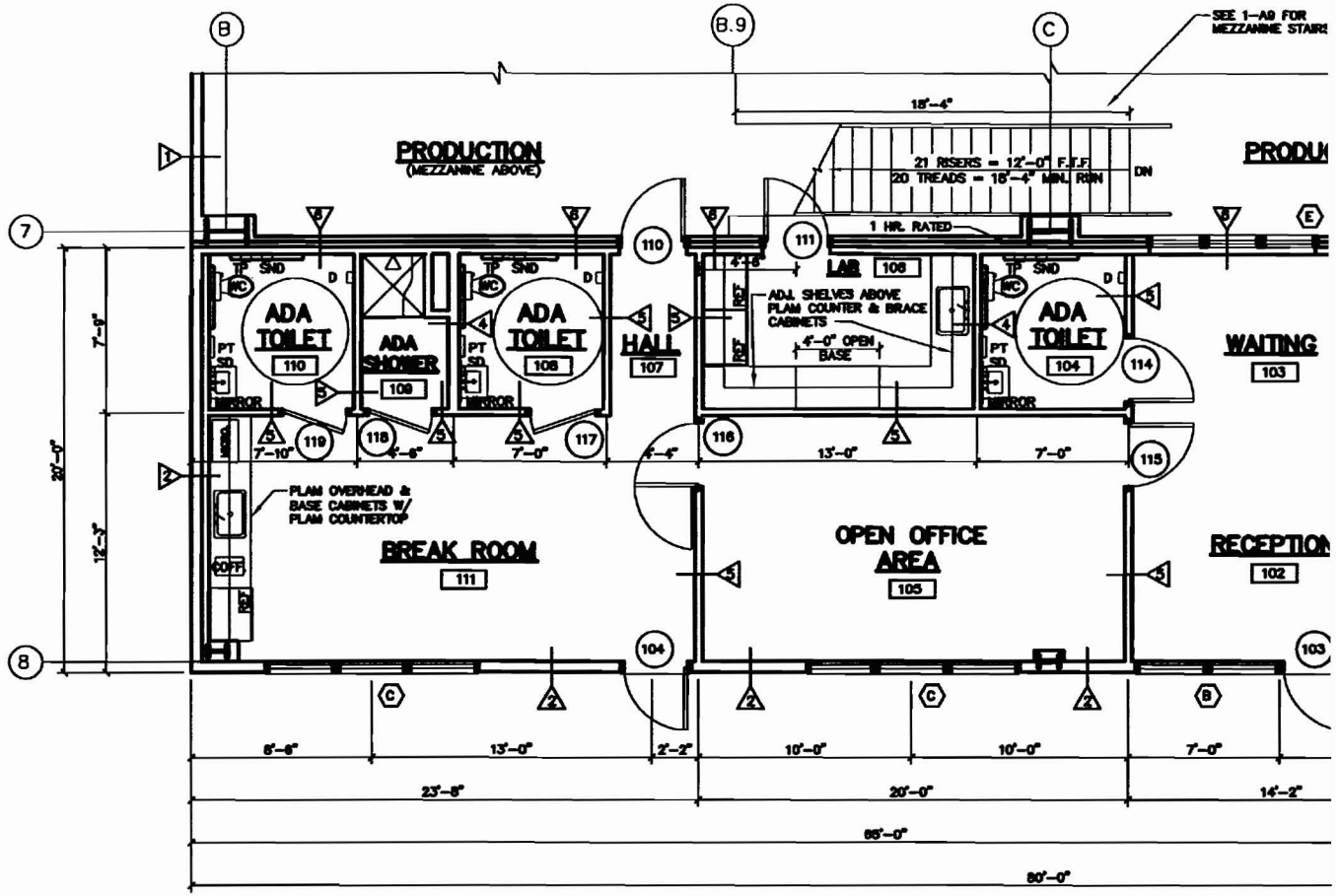
Fire Resistance Ratings

Load Bearing Exterior Walls:	2 Hours (NA)
Fire Separation Exits (Stairs):	2 hours (1 hour)
Fire Separation of Uses:	2 Hours (1 Hour @ ancillary)
Shafts & Elevator Hoistways:	2 hours
Other Assemblies:	1 hour
Exit Corridors:	1 hour (none)
Minimum Number of Exits:	2 per occupancy type, except 1 if fully sprinkled, single tenant, less than 30 occupants at one level above LED, less than 100' travel distance to separate exit.
Maximum Dead End Corridor Length:	20', 50' at system furniture under 6' high
Maximum Common Travel Path	75' (100')
Maximum Travel Distance:	200' (300') @ B; 300' (400') @ F1
Minimum Corridor Width:	44"/36" if ≤50 occupants
Minimum Stair Width:	44"/36" if ≤ 50 occupants
Maximum Riser Height:	7"
Minimum Tread Depth:	11"
Minimum Ramp Width:	44", 36" if ≤ 50 occupants
Maximum Ramp Pitch:	1:12
Handrails:	Same as NFPA 101
Minimum Ceiling Height:	7'-6"

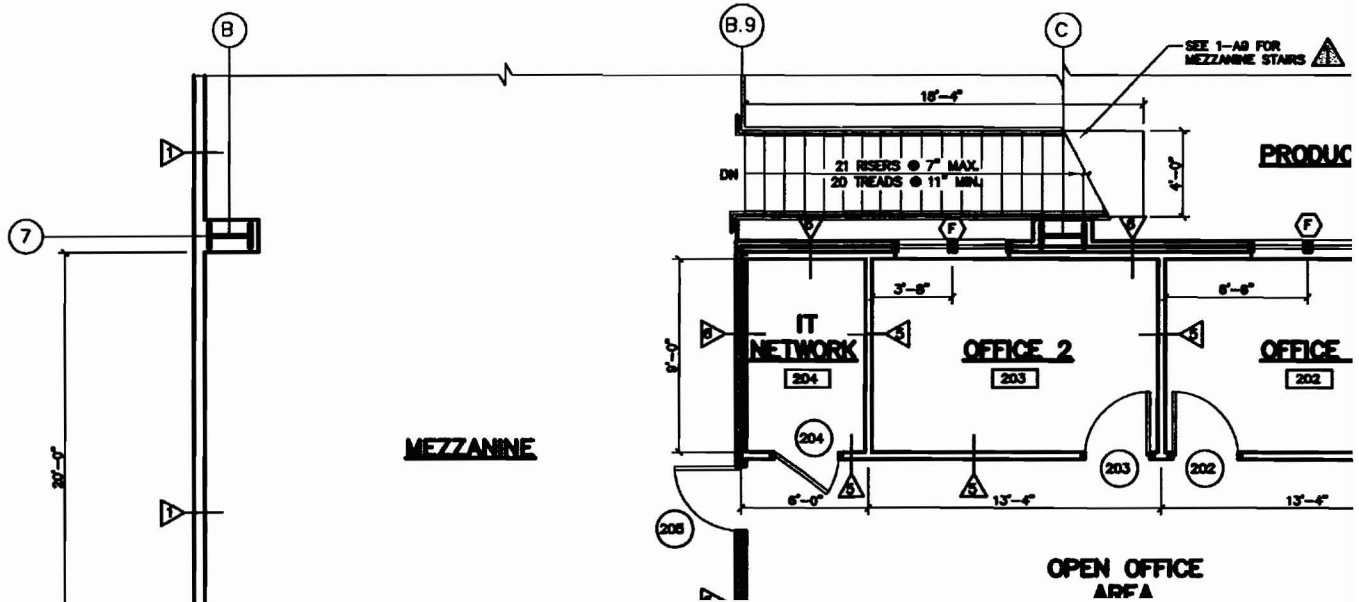
Fire Alarm System:	Not Required
Fire Sprinkler System:	Not Required
Portable Fire Extinguishers:	Required
Exit Lighting	Required
Emergency Lighting	Required

Building Live Loads

Office:	50 psf
Lobbies:	100 psf
Corridors:	80 psf
Storage:	125 psf @ light; 250 psf @ heavy



FIRST FLOOR PLAN



PARTITION TYPES	
NO.	DETAIL

NFPA 101 Life Safety Code - 2003 Edition

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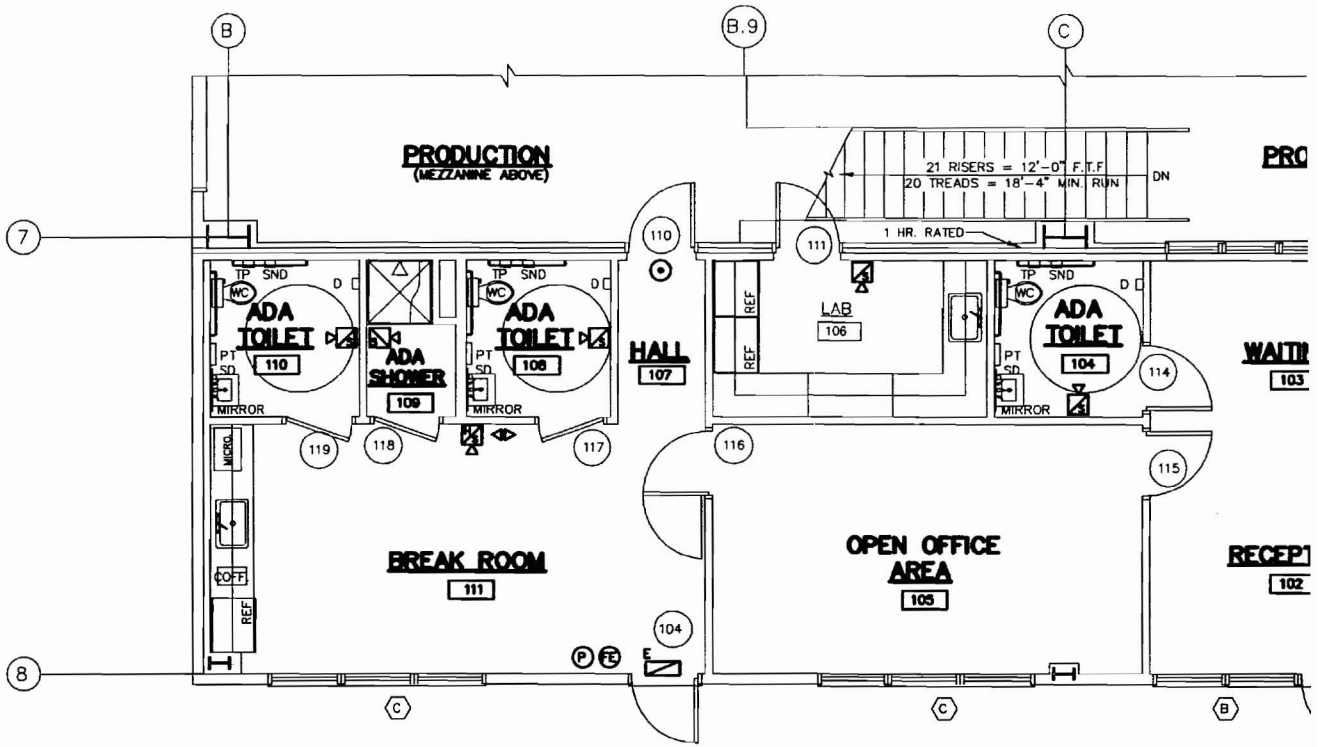
Separation of Use Rating:	2 hour
Janitor, Mech, Stor Rating:	1 hour
Stair Rating:	2 hour (1 Hour)
Elevator Shafts:	2 hours (NA)
Area of Refuge:	1 hour
Minimum Stair width:	44" clear, 36" if less than 50 occupants
Maximum Riser height:	7"
Minimum Tread width:	11"
Minimum Headroom:	6'-8" at stairs; 7'-6" at occupied areas
Maximum ht between landings:	12'-0"
Handrail height:	34"-38" @ 42" guardrail
Handrail top extension:	12" horz.
Handrail bottom extension:	11" angled + 12" horz.
Handrail diameter:	1-1/4" O.D
Maximum balluster open space:	less than 4"

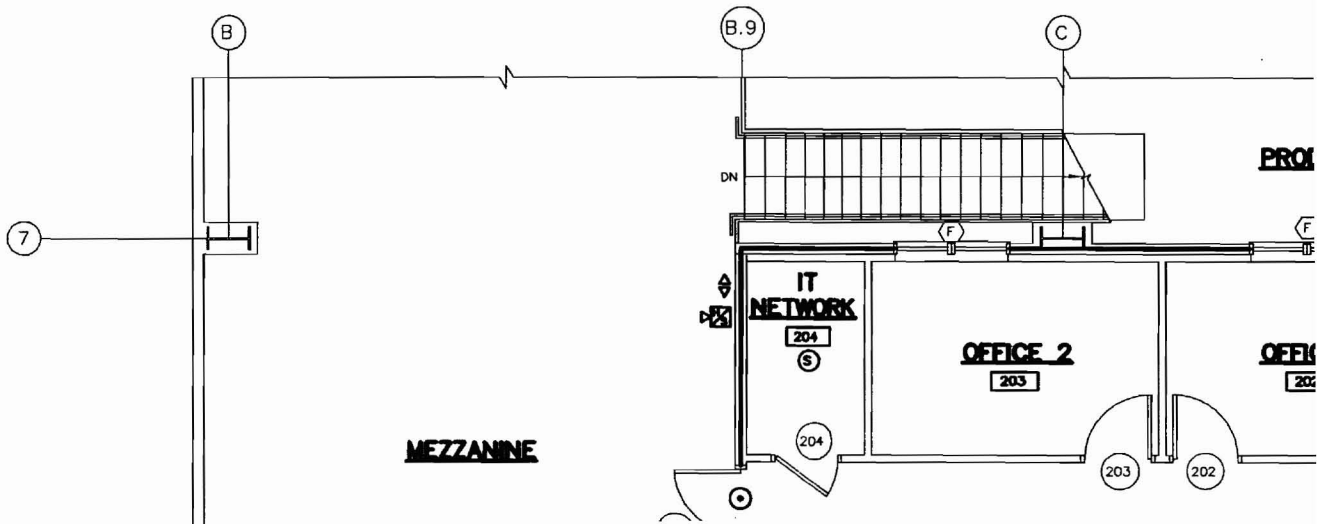
Building Uses "(x)" denotes if building is fully sprinkled	Industrial	Business
Max. Allowable Travel Distance:	200' (400')	200' (300')
Max. Allowable Common Path:	50' (100')	75' (100')
Max. Dead End Corridor Length:	50'	20' (50')
Minimum Egress Corridor Width:	44"/36" if >50 occ	44"/36" if >50 occ.
Minimum Number of Required Exits	2	2 (1 if less than 30 Occupants and less than 100' travel distance on egress floor level to exit)
Minimum Horz Egress Enclosure rating:	1 hr (none)	1 hr (none)
Minimum Separation of exits:	75' (50')	33' (22')
Fire Escapes as means of egress:	Allowed (NA)	Allowed (NA)
Minimum Egress Door Width:	36"	36"
Exit Lighting:	Required	Required
Emergency Lighting:	Required	Required
Fire Alarm System:	Required	Not Required
Fire Sprinkler System:	Not Required	Not Required
Portable Fire Extinguishers:	Required	Required
Exit Devices/Panic Hardware	Required	Required



FIRST FLOOR PLAN

NFPA LEGEND

FE	FIRE EXTINGUISHER
P	FIRE ALARM PULL
	EXIT SIGN/ LIGHT
	emergency light
S	SMOKE DETECTOR
	HORN STROBE UNIT 110 cd/ 15db
	STROBE UNIT 110 cd
K	KNOX BOX
ALARM	NOTIFICATION PANEL
	"NOT AN EXIT" SIGN



2000 International Building Code
"(x)" denotes if building is fully sprinkled

Use Group Classification:	Factory – Use Group F2 Acilliary Business - Use Group B Ancilliary Future Storage – Use Group S1
Construction:	Type IIIB – Non-Combustible, Unprotected
Occupant Loads:	F2 @ 100 sf/occupant = 120 occupants (30 actual) B @ 100 sf/occupant = 21 occupants (5 actual) Future S1 @ 500 sf/occupant = 11 occupants
Area Use Separation Ratings:	2 hour
Janitor, Mech & Storage Rooms:	1 hour

Building Limitations

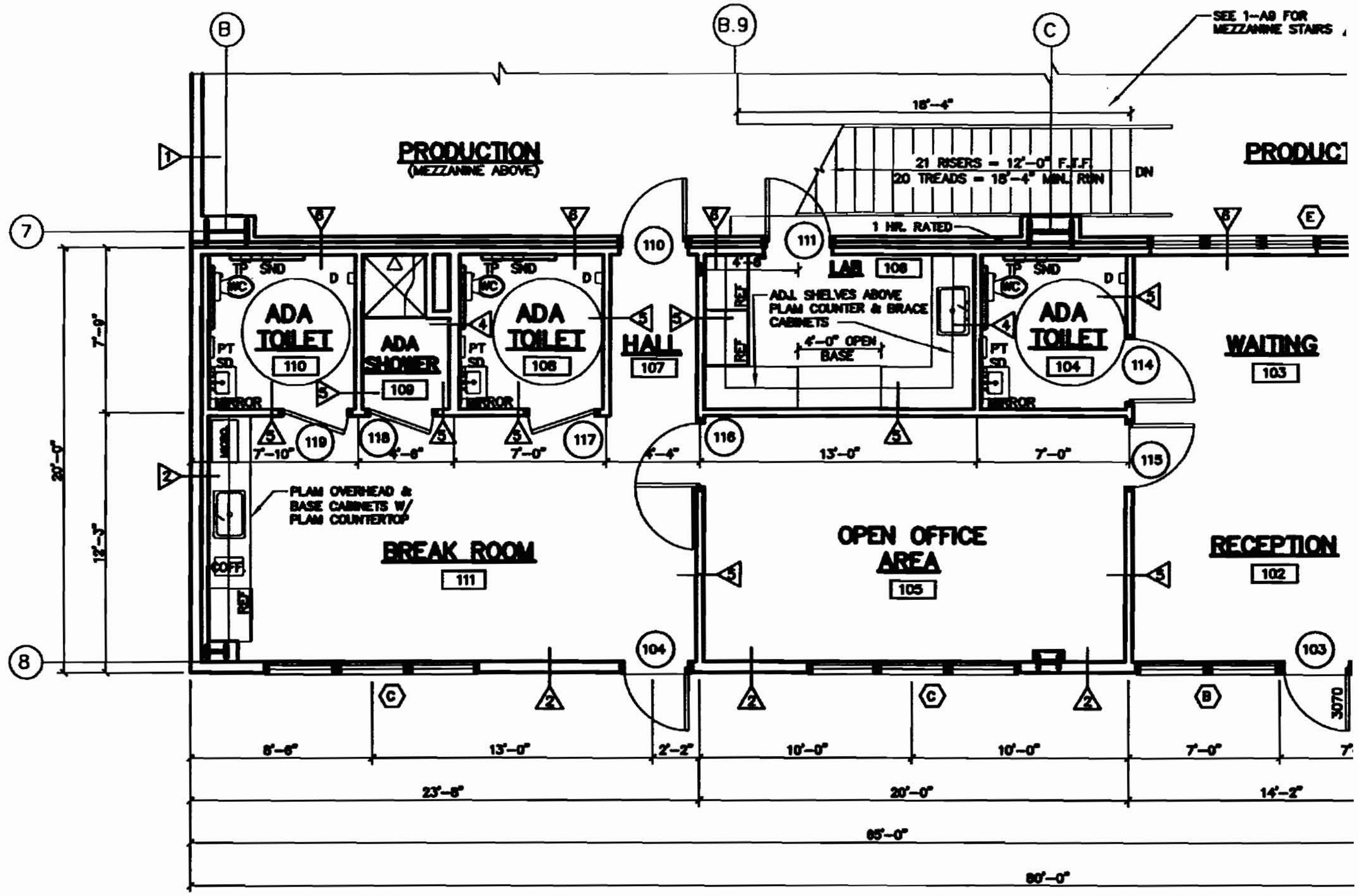
Construction Type:	IIIB Unprotected
Maximum Height:	3 story / 30' (+1 story/20') @ F2
Maximum Area – Floor:	18,000 sf (36,000 sf) @ F2

Fire Resistance Ratings

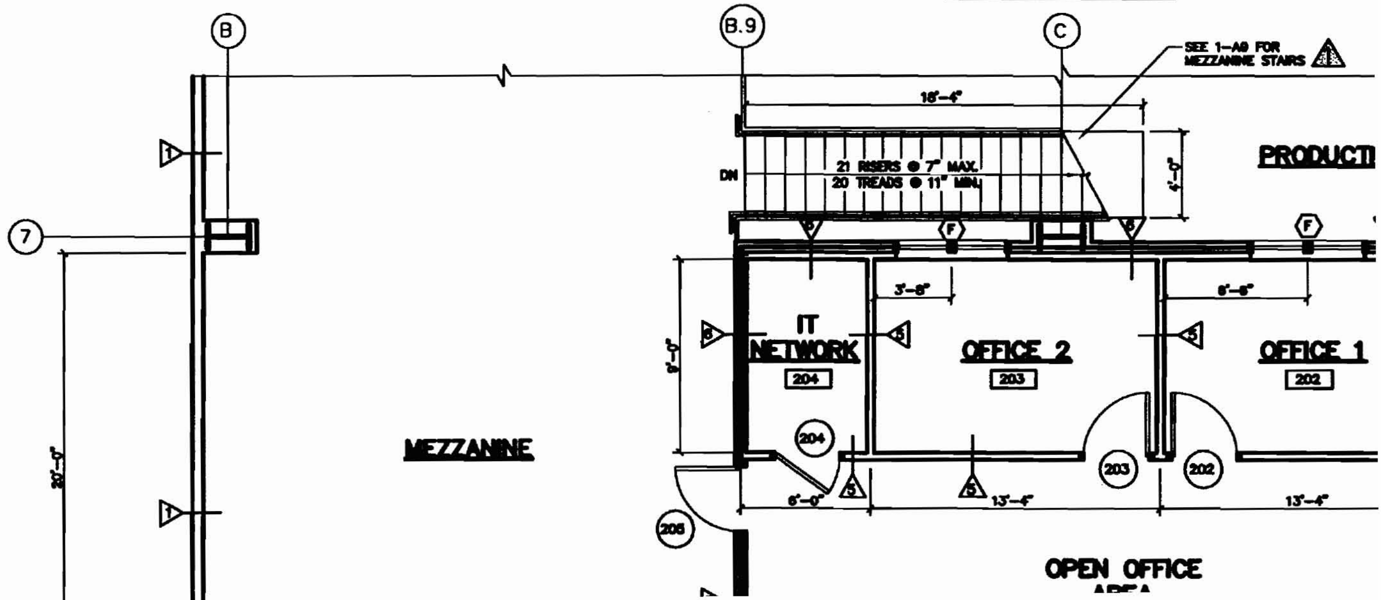
Load Bearing Exterior Walls:	2 Hours (NA)
Fire Separation Exits (Stairs):	2 hours (1 hour)
Fire Separation of Uses:	2 Hours (1 Hour @ ancillary)
Shafts & Elevator Hoistways:	2 hours
Other Assemblies:	1 hour
Exit Corridors:	1 hour (none)
Minimum Number of Exits:	2 per occupancy type; except 1 if fully sprinkled, single tenant, less than 30 occupants at one level above LED, less than 100' travel distance to separate exit.
Maximum Dead End Corridor Length:	20'; 50' at system furniture under 6' high
Maximum Common Travel Path:	75' (100')
Maximum Travel Distance:	200' (300') @ B; 300' (400') @ F1
Minimum Corridor Width:	44"/36" if >50 occupants
Minimum Stair Width:	44"/36" if < 50 occupants
Maximum Riser Height:	7"
Minimum Tread Depth:	11"
Minimum Ramp Width:	44"/36" if > 50 occupants
Maximum Ramp Pitch:	1:12
Handrails:	Same as NFPA 101
Minimum Ceiling Height:	7'-6"
Fire Alarm System:	Not Required
Fire Sprinkler System:	Not Required
Portable Fire Extinguishers:	Required
Exit Lighting:	Required
Emergency Lighting:	Required

Building Live Loads

Office:	50 psf
Lobbies:	100 psf
Corridors:	80 psf
Storage:	125 psf @ light; 250 psf @ heavy



FIRST FLOOR PLAN



PARTITION TYPES	
NO.	DETAIL

GULF STATES MANUFACTURERS
RIGID FRAME STRUCTURAL DESIGN CALCULATIONS

JOB40753-0; BLDG00; FRM01; DTL00; DES REV00; REV DATE10/17/06; REV TIME1642.
COMMENT BSW=LEFT
COLUMN LINES:7
SYMMETRY NOT FORCED

VER R-92606

5059-sh

D I M E N S I O N S

BUILDING WIDTH	150.00	FEET
BAY SPACING	40.00	FEET

	LEFT SIDE	RIGHT SIDE	
ROOF PLANE WIDTH	150.00	0.00	FEET
COLUMN ELEVATION	0.00	0.00	FEET
EAVE HEIGHT	23.00	26.12	FEET
ROOF SLOPE	0.25	-0.25	/12.0
COLUMN OFFSET	8.00	8.00	INCHES
RAFTER OFFSET	2.50	0.00	INCHES
GIRT DEPTH	8.00	8.00	INCHES

L O A D I N G D A T A

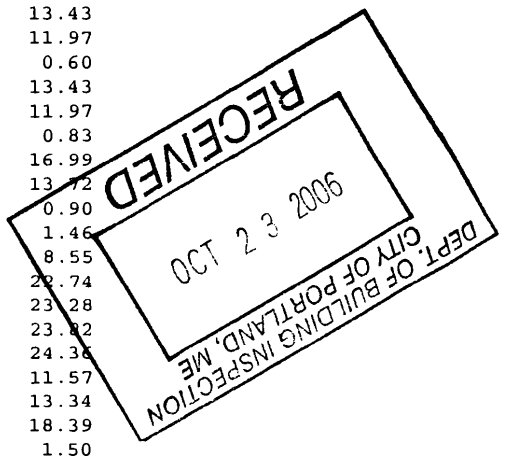
DEAD LOAD	2.0	LBS/SQ FT
LIVE LOAD	20.0	LBS/SQ FT
SNOW LOAD	56.0	LBS/SQ FT
WIND LOAD	13.5	LBS/SQ FT
COLL LOAD	10.0	LBS/SQ FT

INTERIOR COLUMNS

NUMBER	DISTANCE FROM LEFT SIDE (FEET)	BASE ELEVATION (FEET)
1	26.00	-0.67
2	52.00	-0.67
3	78.00	-0.67
4	104.00	-0.67
5	130.00	-0.67

S E G M E N T D A T A
JOB40753-0; BLDG00; FRM01; DTL00; DES REV00; REV DATE10/17/06; REV TIME1642.

	SEGMENT NUMBER	SEGMENT TYPE	NEAR JOINT	FAR JOINT	END CONDITION NEAR JOINT	END CONDITION FAR JOINT	NOMINAL WEB HEIGHTS NEAR (IN)	NOMINAL WEB HEIGHTS FAR (IN)	YOUNG'S MODULUS E (KSI)	YIELD POINT FY (KSI)	COLUMN /RAFTR OFFSET (IN)	OUTER FLANGE WIDTH (IN)	OUTER FLANGE THICK. (IN)	WEB THICK. (IN)	INNER FLANGE WIDTH (IN)	INNER FLANGE THICK. (IN)	ANALYSIS LENGTH (FEET)
LRFC	1	VARI	1	2	PIN	FIX	9.75	35.75	29000.0	55.00	8.00	8.00	0.3750	0.1650	8.00	0.3750	21.60
LRFR	1	PRIS	2	6	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	14.85
LRFR	2	PRIS	6	20	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	8.97
LRFR	3	PRIS	20	7	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	0.60
LRFR	4	PRIS	7	8	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	13.43
LRFR	5	PRIS	8	22	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	11.97
LRFR	6	PRIS	22	9	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	0.60
LRFR	7	PRIS	9	10	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	13.43
LRFR	8	PRIS	10	24	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	11.97
LRFR	9	PRIS	24	11	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	0.60
LRFR	10	PRIS	11	12	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	13.43
LRFR	11	PRIS	12	26	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	11.97
LRFR	12	PRIS	26	13	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	0.60
LRFR	13	PRIS	13	14	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.2500	13.43
LRFR	14	PRIS	14	28	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.3750	11.97
LRFR	15	PRIS	28	15	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.3750	0.83
LRFR	16	PRIS	15	3	FIX	FIX	29.75	29.75	29000.0	55.00	2.50	6.00	0.2500	0.2500	6.00	0.3125	16.99
RRFC	1	VARI	3	30	FIX	FIX	35.75	21.89	29000.0	55.00	8.00	10.00	0.3750	0.1650	10.00	0.5000	13.72
RRFC	2	VARI	30	4	FIX	FIX	21.89	20.89	29000.0	55.00	8.00	10.00	0.3750	0.1650	10.00	0.5000	0.90
RRFC	3	VARI	4	16	FIX	FIX	20.89	19.27	29000.0	55.00	8.00	10.00	0.3750	0.1350	10.00	0.5000	1.46
RRFC	4	VARI	16	5	FIX	PIN	19.27	9.75	29000.0	55.00	8.00	10.00	0.3750	0.1350	10.00	0.5000	8.55
INTC	1 1	8" PIPE	19	20	PIN	PIN	8.62	8.62	29000.0	36.00	0.00	*	*	0.3220	*	*	22.74
INTC	2 1	8" PIPE	21	22	PIN	PIN	8.62	8.62	29000.0	36.00	0.00	*	*	0.3220	*	*	23.28
INTC	3 1	8" PIPE	23	24	PIN	PIN	8.62	8.62	29000.0	36.00	0.00	*	*	0.3220	*	*	23.82
INTC	4 1	8" PIPE	25	26	PIN	PIN	8.62	8.62	29000.0	36.00	0.00	*	*	0.3220	*	*	24.36
INTC	5 1	PRIS	27	29	PIN	FIX	11.00	11.00	29000.0	55.00	0.00	10.00	0.3750	0.1200	10.00	0.5000	11.57
INTC	5 2	PRIS	29	28	FIX	FIX	11.00	11.00	29000.0	55.00	0.00	10.00	0.3750	0.1200	10.00	0.5000	13.34
FLRB	1 1	PRIS	29	30	PIN	PIN	23.00	23.00	29000.0	55.00	2.50	6.00	0.3125	0.2150	6.00	0.2500	18.39
RCPR	1	PRIS	16	17	FIX	FIX	9.00	9.00	29000.0	55.00	0.00	5.00	0.2500	0.1200	5.00	0.2500	1.50



RCPR 2 PRIS 17 18 FIX PIN 9.00 9.00 29000.0 55.00 0.00 5.00 0.2500 0.1200 5.00 0.2500 5.99

P U R L I N, G I R T A N D J O I S T L O A D P O I N T S **

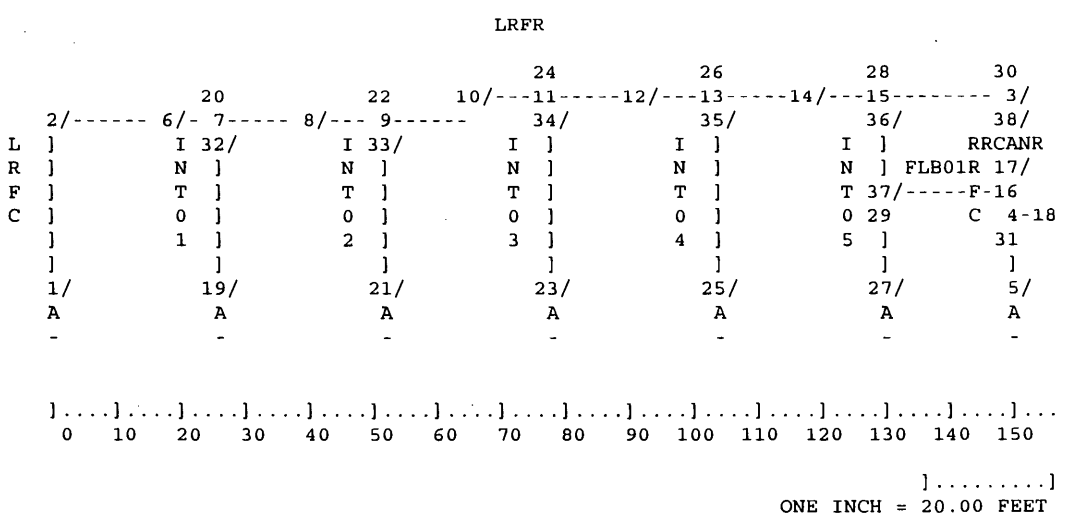
LRFC	0.0000*	2.0000L	7.2917	14.0000*	20.0000	23.0000				
LRFR	0.0000	4.9968*	9.9978	14.9989*	20.0000*	25.0011*	30.0022*	35.0033	40.0044	45.0054*
	50.0065*	55.0076*	60.0087	65.0098*	70.0109*	75.0119*	80.0130*	85.0141	90.0152*	95.0163*
	100.0174*	105.0184*	110.0195	115.0206*	120.0217*	125.0228	130.0239*	135.0249*	140.0260	145.0271*
	150.0282									
RRFC	0.0000*	7.2917L	14.0000*	20.0000	22.2083	26.1250				
FLRB 1	0.0000	5.0000	10.0000	15.0000	20.0000					
RCPR	0.0000*	2.6821	5.3806*							

* - ONE 2x2x11ga FLANGE BRACE AT THIS LOCATION
** LOCATIONS ARE GIVEN FROM COLUMN BASES AND FROM EAVE TO PEAK.

JOB40753-0; BLDG00; FRM01; DTL00; DES REV00; REV DATE10/17/06; REV TIME1642.

BUILDING WIDTH 150.00; BAY SPACING 40.00; EAVE HEIGHT 23.00; ROOF SLOPE 0.25; DEAD LOAD 2 PSF; LIVE LOAD 20 PSF; WIND LOAD 13 PSF

F R A M E D I A G R A M



C L E A R A N C E S

	LEFT END VERTICAL	RIGHT END VERTICAL	MINIMUM VERTICAL	HORIZONTAL
LEFT RIGID FRAME RAFTER	20.35	11.23	10.89	21.93
FLOOR BEAM 1	9.91	9.91	9.91	17.11
RIGHT CANOPY	8.12	8.00	8.00	5.98

JOB40753-0; BLDG00; FRM01; DTL00; DES REV00; REV DATE10/17/06; REV TIME1642.

R E A C T I O N S F O R L O A D C O M B I N A T I O N S

REACTIONS AT X=		0.00	26.00	52.00	78.00	104.00	130.00	150.00
D+L+C	VERT	17.9	34.6	35.0	34.6	35.8	61.6	50.4
	HORI	2.5	0.0	0.0	0.0	0.0	0.6	-3.2
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+S+C	VERT	35.4	73.5	72.2	72.0	74.0	93.3	71.8
	HORI	4.0	0.0	0.0	0.0	0.0	0.4	-4.4
	MOMN	0.	0.	0.	0.	0.	0.	0.
D*.6+WND1	VERT	-6.1	-8.4	-10.4	-9.9	-10.1	-10.7	-4.7
L-R	HORI	-3.1	0.0	0.0	0.0	0.0	-0.4	-4.4
	MOMN	0.	0.	0.	0.	0.	0.	0.
D*.6+WND1	VERT	0.4	-9.3	-4.6	-5.7	-5.9	1.1	-11.5
R-L	HORI	5.0	0.0	0.0	0.0	0.0	0.5	4.2
	MOMN	0.	0.	0.	0.	0.	0.	0.
D*.6+WND2	VERT	-3.3	-3.6	-5.3	-4.9	-4.9	-7.1	-2.1
L-R	HORI	-4.7	0.0	0.0	0.0	0.0	-0.2	-3.1
	MOMN	0.	0.	0.	0.	0.	0.	0.
D*.6+WND2	VERT	3.1	-4.4	0.5	-0.7	-0.7	4.7	-8.9
R-L	HORI	3.4	0.0	0.0	0.0	0.0	0.8	5.5
	MOMN	0.	0.	0.	0.	0.	0.	0.
D*.6+LONG	VERT	-4.7	-10.3	-10.0	-10.0	-10.2	-6.4	-7.8
WIND	HORI	3.1	0.0	0.0	0.0	0.0	-0.3	-2.4
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+.75(L+W	VERT	9.8	21.4	20.3	20.4	21.2	42.8	38.2
1LR)+C	HORI	-0.3	0.0	0.0	0.0	0.0	0.2	-5.9
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+.75(L+W	VERT	14.7	20.8	24.7	23.6	24.4	51.6	33.0
1RL)+C	HORI	5.8	0.0	0.0	0.0	0.0	0.9	0.5
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+.75(L+W	VERT	11.9	25.1	24.1	24.1	25.1	45.5	40.1
2LR)+C	HORI	-1.4	0.0	0.0	0.0	0.0	0.4	-4.9
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+.75(L+W	VERT	16.7	24.4	28.5	27.3	28.2	54.4	35.0
2RL)+C	HORI	4.6	0.0	0.0	0.0	0.0	1.1	1.5
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+.75(L+L	VERT	5.8	9.4	10.3	10.0	10.5	37.0	31.9
WIND)	HORI	3.8	0.0	0.0	0.0	0.0	0.3	-3.9
	MOMN	0.	0.	0.	0.	0.	0.	0.

R E A C T I O N S F O R L O A D C O M B I N A T I O N S

REACTIONS AT X=		0.00	26.00	52.00	78.00	104.00	130.00	150.00
D+.75(S+W	VERT	23.0	50.6	48.2	48.4	49.9	66.5	54.3
1LR)+C	HORI	0.8	0.0	0.0	0.0	0.0	0.0	-6.8
	MOMN	0.	0.	0.	0.	0.	0.	0.

D+.75(S+W 1RL)+C	VERT	27.8	50.0	52.6	51.6	53.0	75.4	49.1
	HORI	6.9	0.0	0.0	0.0	0.0	0.8	-0.4
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+.75(S+W 2LR)+C	VERT	25.0	54.3	52.0	52.2	53.7	69.2	56.2
	HORI	-0.3	0.0	0.0	0.0	0.0	0.2	-5.8
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+.75(S+W 2RL)+C	VERT	29.9	53.6	56.4	55.3	56.9	78.1	51.1
	HORI	5.7	0.0	0.0	0.0	0.0	0.9	0.6
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+.75(S+L WIND)	VERT	19.0	38.6	38.2	38.0	39.1	60.7	48.0
	HORI	4.9	0.0	0.0	0.0	0.0	0.1	-4.8
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+	VERT	-4.3	19.2	5.8	8.9	9.4	5.3	31.2
	HORI	-7.2	0.0	0.0	0.0	0.0	-1.4	-13.6
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+	VERT	13.5	-2.9	11.2	7.8	8.0	34.0	3.7
	HORI	8.7	0.0	0.0	0.0	0.0	1.9	11.6
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+	VERT	18.9	70.4	54.8	58.0	59.8	60.8	73.7
	HORI	-5.3	0.0	0.0	0.0	0.0	-1.5	-17.1
	MOMN	0.	0.	0.	0.	0.	0.	0.
D+	VERT	38.0	46.7	60.6	56.9	58.4	91.6	44.2
	HORI	11.8	0.0	0.0	0.0	0.0	2.1	9.9
	MOMN	0.	0.	0.	0.	0.	0.	0.

** THE FRAME WEIGHT WAS ADDED TO THE SPECIFIED DEAD LOAD
** THE REACTIONS HAVE BEEN INCREASED BY 0 PERCENT

JOB40753-0; BLDG00; FRM01; DTL00; DES REV00; REV DATE10/17/06; REV TIME1642.

CONNECTION 1 AT JOINT 1 4 0.750" DIAM ASTM A 36 BOLTS
BASE PLATE IS 0.500 INCHES THICK X 8.0 " WIDE X 12.0000 " LONG

CONNECTION 4 AT JOINT 5 4 0.750" DIAM ASTM A 36 BOLTS
BASE PLATE IS 0.500 INCHES THICK X 10.0 " WIDE X 12.0000 " LONG

CONNECTION 11 AT JOINT 19 4 0.750" DIAM ASTM A 36 BOLTS
BASE PLATE IS 1.500 INCHES THICK X 12.0 " WIDE X 12.0000 " LONG

CONNECTION 12 AT JOINT 21 4 0.750" DIAM ASTM A 36 BOLTS
BASE PLATE IS 1.500 INCHES THICK X 12.0 " WIDE X 12.0000 " LONG

CONNECTION 13 AT JOINT 23 4 0.750" DIAM ASTM A 36 BOLTS
BASE PLATE IS 1.500 INCHES THICK X 12.0 " WIDE X 12.0000 " LONG

CONNECTION 14 AT JOINT 25 4 0.750" DIAM ASTM A 36 BOLTS
BASE PLATE IS 1.500 INCHES THICK X 12.0 " WIDE X 12.0000 " LONG

CONNECTION 15 AT JOINT 27 4 0.750" DIAM ASTM A 36 BOLTS
BASE PLATE IS 1.000 INCHES THICK X 10.0 " WIDE X 12.0000 " LONG

□

GULF STATES MANUFACTURERS
RIGID FRAME STRUCTURAL DESIGN CALCULATIONS

JOB40753-0; BLDG00; FRM03; DTL00; DES REV00; REV DATE10/02/06; REV TIME1041.
COMMENT PORTAL FRAME ALONG CL J
COLUMN LINES:99 VER R-82506
SYMMETRY NOT FORCED

D I M E N S I O N S				L O A D I N G D A T A		
BUILDING WIDTH	22.58	FEET		DEAD LOAD	2.0	LBS/SQ FT
BAY SPACING	0.50	FEET		LIVE LOAD	12.0	LBS/SQ FT
				SNOW LOAD	0.0	LBS/SQ FT
	LEFT SIDE	RIGHT SIDE		WIND LOAD	10.0	LBS/SQ FT
ROOF PLANE WIDTH	22.58	0.00	FEET	COLL LOAD	0.0	LBS/SQ FT
COLUMN ELEVATION	0.00	0.00	FEET			
EAVE HEIGHT	23.79	23.79	FEET			
ROOF SLOPE	0.00	0.00	/12.0			
COLUMN OFFSET	0.00	0.00	INCHES			
RAFTER OFFSET	0.00	0.00	INCHES			
GIRT DEPTH	0.00	0.00	INCHES			

S E G M E N T D A T A
JOB40753-0; BLDG00; FRM03; DTL00; DES REV00; REV DATE10/02/06; REV TIME1041.

	SEGMENT NUMBER	SEGMENT TYPE	NEAR JOINT	FAR JOINT	END CONDITION NEAR JOINT	END CONDITION FAR JOINT	NOMINAL WEB HEIGHTS NEAR (IN)	NOMINAL WEB HEIGHTS FAR (IN)	YOUNG'S MODULUS E (KSI)	YIELD POINT FY (KSI)	COLUMN /RAFTR OFFSET (IN)	OUTER FLANGE WIDTH (IN)	OUTER FLANGE THICK. (IN)	WEB THICK. (IN)	INNER FLANGE WIDTH (IN)	INNER FLANGE THICK. (IN)	ANALYSIS LENGTH (FEET)
LRFC	1	PRIS	1	6	PIN	FIX	17.00	17.00	29000.0	55.00	0.00	12.00	0.3750	0.3125	12.00	0.5000	10.90
LRFC	2	PRIS	6	2	FIX	FIX	17.00	17.00	29000.0	55.00	0.00	12.00	0.3750	0.3125	12.00	0.5000	11.91
LRFR	1	PRIS	2	5	FIX	FIX	23.00	23.00	29000.0	55.00	0.00	8.00	0.2500	0.1350	8.00	0.2500	10.26
LRFR	2	PRIS	5	3	FIX	FIX	23.00	23.00	29000.0	55.00	0.00	8.00	0.2500	0.1350	8.00	0.2500	10.83
RRFC	1	PRIS	3	7	FIX	FIX	17.00	17.00	29000.0	55.00	0.00	12.00	0.5000	0.3125	12.00	0.5000	11.91
RRFC	2	PRIS	7	4	FIX	PIN	17.00	17.00	29000.0	55.00	0.00	12.00	0.5000	0.3125	12.00	0.5000	10.90
FLRB	1	PRIS	6	7	FIX	FIX	23.00	23.00	29000.0	55.00	2.50	10.00	0.3750	0.1900	10.00	0.3750	21.09

P U R L I N, G I R T A N D J O I S T L O A D P O I N T S **

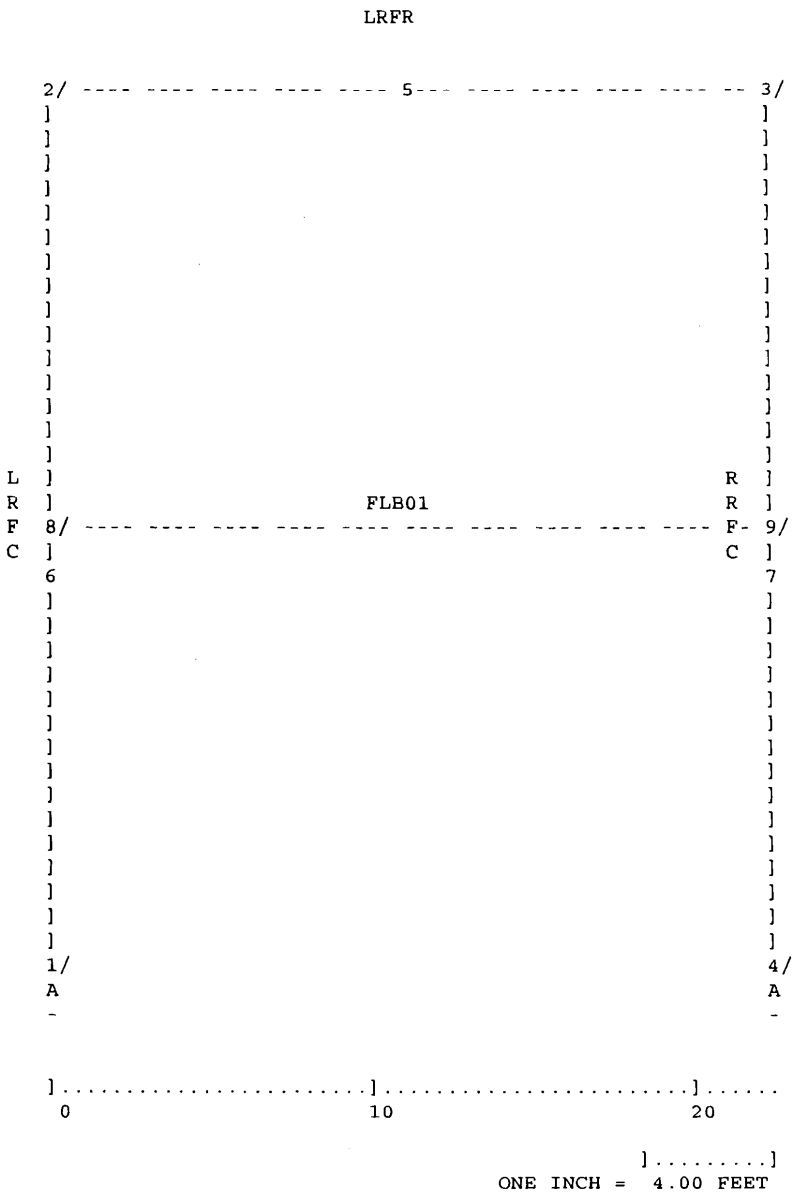
LRFC	0.0000*	23.7917				
LRFR	0.0000*	22.5833				
RRFC	0.0000*	23.7917				
FLRB 1	0.0000	5.0000L	10.0000L	15.0000L	20.0000L	22.5833

* - ONE 2x2x11ga FLANGE BRACE AT THIS LOCATION
** LOCATIONS ARE GIVEN FROM COLUMN BASES AND FROM EAVE TO PEAK.

JOB40753-0; BLDG00; FRM03; DTL00; DES REV00; REV DATE10/02/06; REV TIME1041.

BUILDING WIDTH 22.58; BAY SPACING 0.50; EAVE HEIGHT 23.79; ROOF SLOPE 0.00; DEAD LOAD 2 PSF; LIVE LOAD 12 PSF; WIND LOAD 10 PSF

F R A M E D I A G R A M



JOB40753-0; BLDG00; FRM03; DTL00; DES REV00; REV DATE10/02/06; REV TIME1041.

C L E A R A N C E S

	LEFT END VERTICAL	RIGHT END VERTICAL	MINIMUM VERTICAL	HORIZONTAL
LEFT RIGID FRAME RAFTER	9.75	9.75	9.75	19.59
FLOOR BEAM 1	9.90	9.90	9.90	19.68

R E A C T I O N S F O R L O A D C O M B I N A T I O N S

REACTIONS AT X=		0.00	22.58
D+L	VERT	5.3	5.4
	HORI	0.4	-0.4
	MOMN	0.	0.
D*.6+WND1	VERT	-9.4	12.9
L-R	HORI	-4.7	-5.2
	MOMN	0.	0.
D*.6+WND1	VERT	12.8	-9.3
R-L	HORI	4.8	5.0
	MOMN	0.	0.
D	VERT	-23.6	27.3
	HORI	-14.6	-16.3
	MOMN	0.	0.
D	VERT	27.2	-23.5
	HORI	15.1	15.7
	MOMN	0.	0.

** THE FRAME WEIGHT WAS ADDED TO THE SPECIFIED DEAD LOAD
** THE REACTIONS HAVE BEEN INCREASED BY 0 PERCENT

CONNECTION 1 AT JOINT 1 4 0.750" DIAM ASTM A 36 BOLTS
BASE PLATE IS 0.500 INCHES THICK X 12.0 " WIDE X 18.0000 " LONG

CONNECTION 4 AT JOINT 4 4 0.750" DIAM ASTM A 36 BOLTS
BASE PLATE IS 0.500 INCHES THICK X 12.0 " WIDE X 18.0000 " LONG

GULF STATES MANUFACTURERS
RIGID FRAME STRUCTURAL DESIGN CALCULATIONS

JOB40753-0; BLDG00; FRM05; DTL00; DES REV00; REV DATE10/01/06; REV TIME2034.
COMMENT USE LT ONLY
COLUMN LINES:99 VER R-82506
SYMMETRY NOT FORCED

D I M E N S I O N S				L O A D I N G D A T A		
BUILDING WIDTH	50.00	FEET		DEAD LOAD	6.2	LBS/SQ FT
BAY SPACING	11.00	FEET		LIVE LOAD	20.0	LBS/SQ FT
				SNOW LOAD	56.0	LBS/SQ FT
	LEFT SIDE	RIGHT SIDE		WIND LOAD	13.5	LBS/SQ FT
ROOF PLANE WIDTH	25.00	25.00	FEET	COLL LOAD	10.0	LBS/SQ FT
COLUMN ELEVATION	0.00	0.00	FEET			
EAVE HEIGHT	20.00	20.00	FEET			
ROOF SLOPE	0.25	0.25	/12.0			
COLUMN OFFSET	8.00	8.00	INCHES			
RAFTER OFFSET	8.00	8.00	INCHES			
GIRT DEPTH	8.00	8.00	INCHES			

S E G M E N T D A T A
JOB40753-0; BLDG00; FRM05; DTL00; DES REV00; REV DATE10/01/06; REV TIME2034.

	SEGMENT NUMBER	SEGMENT TYPE	NEAR JOINT	FAR JOINT	END CONDITION NEAR JOINT	END CONDITION FAR JOINT	NOMINAL WEB HEIGHTS NEAR (IN)	NOMINAL WEB HEIGHTS FAR (IN)	YOUNG'S MODULUS E (KSI)	YIELD POINT FY (KSI)	COLUMN /RAFTR OFFSET (IN)	OUTER FLANGE WIDTH (IN)	OUTER FLANGE THICK. (IN)	WEB THICK. (IN)	INNER FLANGE WIDTH (IN)	INNER FLANGE THICK. (IN)	ANALYSIS LENGTH (FEET)
LRFC	1	PRIS	1	2	PIN	FIX	9.75	9.75	29000.0	55.00	8.00	5.00	0.2500	0.1200	5.00	0.2500	18.93
LRFR	1	PRIS	2	5	FIX	FIX	9.75	9.75	29000.0	55.00	8.00	5.00	0.2500	0.1200	5.00	0.2500	9.93
LRFR	2	PRIS	5	6	FIX	FIX	9.75	9.75	29000.0	55.00	8.00	5.00	0.2500	0.1200	5.00	0.2500	13.98
RRFR	1	PRIS	6	7	FIX	FIX	9.75	9.75	29000.0	55.00	8.00	5.00	0.2500	0.1200	5.00	0.2500	13.98
RRFR	2	PRIS	7	3	FIX	FIX	9.75	9.75	29000.0	55.00	8.00	5.00	0.2500	0.1200	5.00	0.2500	9.93
RRFC	1	PRIS	3	8	FIX	FIX	9.75	9.75	29000.0	55.00	8.00	5.00	0.2500	0.1200	5.00	0.2500	3.88
RRFC	2	PRIS	8	4	FIX	PIN	9.75	9.75	29000.0	55.00	8.00	5.00	0.2500	0.1200	5.00	0.2500	15.05
RLTR	1	PRIS	8	9	FIX	FIX	9.75	9.75	29000.0	55.00	8.00	5.00	0.2500	0.1200	5.00	0.2500	1.09
RLTR	2	PRIS	9	10	PIN	PIN	9.75	9.75	29000.0	55.00	8.00	6.00	0.3125	0.1200	6.00	0.3750	17.67
RLTC	1	PRIS	10	11	FIX	PIN	7.50	7.50	29000.0	55.00	0.00	5.00	0.2500	0.1200	5.00	0.2500	14.66

P U R L I N, G I R T A N D J O I S T L O A D P O I N T S **

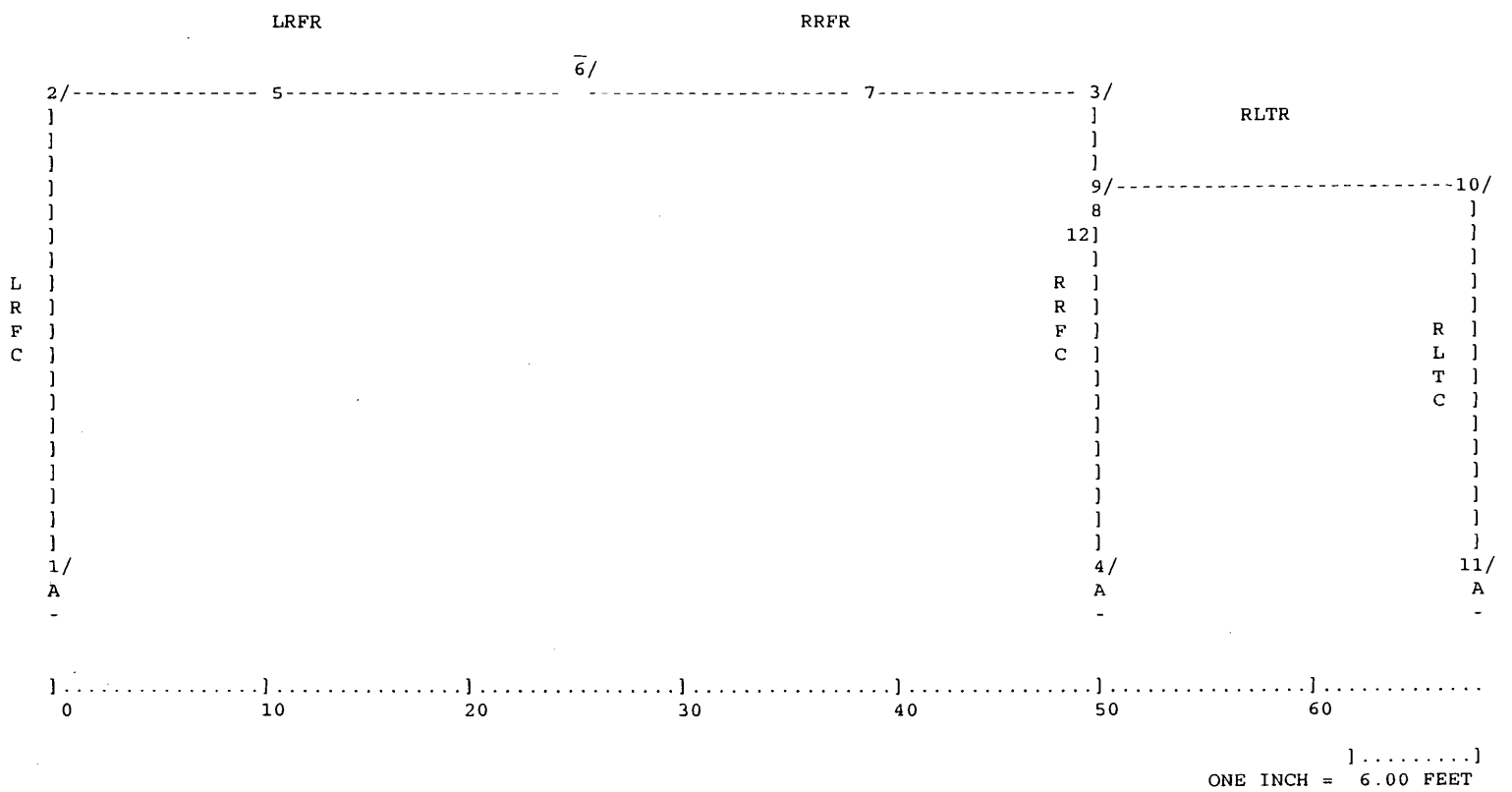
LRFC	0.0000*	7.2917	12.5000	20.0000						
LRFR	0.0000	4.9872*	9.9883*	14.9894*	19.9905	23.9913*				
RRFR	0.0000	4.9872*	9.9883*	14.9893*	19.9904	23.9913*				
RRFC	0.0000*	7.2917	12.5000*	20.0000						
RLTR	0.0000	1.9865	3.9870	5.9874	7.9878	9.9883	11.9887	13.9891	15.9896	16.7397
	17.2398*									
RLTC	0.0000*	15.7500								

* - ONE 2x2x11ga FLANGE BRACE AT THIS LOCATION
** LOCATIONS ARE GIVEN FROM COLUMN BASES AND FROM EAVE TO PEAK.

JOB40753-0; BLDG00; FRM05; DTL00; DES REV00; REV DATE10/01/06; REV TIME2034.

BUILDING WIDTH 50.00; BAY SPACING 11.00; EAVE HEIGHT 20.00; ROOF SLOPE 0.25; DEAD LOAD 6 PSF; LIVE LOAD 20 PSF; WIND LOAD 13 PSF

F R A M E D I A G R A M



C L E A R A N C E S

	LEFT END VERTICAL	RIGHT END VERTICAL	MINIMUM VERTICAL	HORIZONTAL
LEFT RIGID FRAME RAFTER	18.51	19.00	18.51	46.96
RIGHT RIGID FRAME RAFTER	19.00	18.51	18.51	46.96
RIGHT LEAN-TO RAFTER	14.60	14.23	14.23	17.33

JOB40753-0; BLDG00; FRM05; DTL00; DES REV00; REV DATE10/01/06; REV TIME2034.

R E A C T I O N S F O R L O A D C O M B I N A T I O N S

REACTIONS AT X=		0.00	50.00	68.00
D+L+C	VERT	0.5	4.4	4.0
	HORI	0.0	0.0	-0.1
	MOMN	0.	0.	0.
D+S+C	VERT	0.4	14.5	10.7
	HORI	-0.2	0.4	-0.2
	MOMN	0.	0.	0.
D*.6+WND1 L-R	VERT	0.2	-0.5	-1.0
	HORI	-0.2	-0.5	-0.5
	MOMN	0.	0.	0.
D*.6+WND1 R-L	VERT	0.4	-1.2	-1.4
	HORI	0.2	0.0	0.3
	MOMN	0.	0.	0.
D*.6+WND2 L-R	VERT	0.3	-0.6	-1.0
	HORI	0.0	-0.2	-0.1
	MOMN	0.	0.	0.
D*.6+WND2 R-L	VERT	0.6	-1.3	-1.4
	HORI	0.4	0.3	0.7
	MOMN	0.	0.	0.
D*.6+LONG WIND	VERT	0.1	0.0	-0.6
	HORI	-0.3	-0.6	-0.7
	MOMN	0.	0.	0.
D+.75(L+W1LR)+C	VERT	0.4	2.9	2.3
	HORI	-0.1	-0.3	-0.4
	MOMN	0.	0.	0.
D+.75(L+W1RL)+C	VERT	0.6	2.3	2.0
	HORI	0.1	0.0	0.1
	MOMN	0.	0.	0.
D+.75(L+W2LR)+C	VERT	0.5	2.8	2.3
	HORI	0.0	-0.1	-0.1
	MOMN	0.	0.	0.
D+.75(L+W2RL)+C	VERT	0.7	2.2	2.0
	HORI	0.3	0.2	0.4
	MOMN	0.	0.	0.
D+.75(L+L WIND)	VERT	0.4	2.2	1.6
	HORI	-0.2	-0.4	-0.5
	MOMN	0.	0.	0.

R E A C T I O N S F O R L O A D C O M B I N A T I O N S

REACTIONS AT X=		0.00	50.00	68.00
D+.75(S+W1LR)+C	VERT	0.3	10.5	7.3
	HORI	-0.3	-0.1	-0.5
	MOMN	0.	0.	0.

D+.75(S+W 1RL)+C	VERT	0.5	10.0	7.0
	HORI	0.0	0.3	0.0
	MOMN	0.	0.	0.
D+.75(S+W 2LR)+C	VERT	0.4	10.4	7.3
	HORI	-0.1	0.1	-0.2
	MOMN	0.	0.	0.
D+.75(S+W 2RL)+C	VERT	0.6	9.9	7.0
	HORI	0.1	0.5	0.3
	MOMN	0.	0.	0.
D+.75(S+L WIND)	VERT	0.2	9.9	6.6
	HORI	-0.3	-0.2	-0.6
	MOMN	0.	0.	0.

** THE FRAME WEIGHT WAS ADDED TO THE SPECIFIED DEAD LOAD
** THE REACTIONS HAVE BEEN INCREASED BY 0 PERCENT

JOB40753-0; BLDG00; FRM05; DTL00; DES REV00; REV DATE10/01/06; REV TIME2034.

CONNECTION 1 AT JOINT 1 4 0.750" DIAM ASTM A 36 BOLTS
BASE PLATE IS 0.500 INCHES THICK X 8.0 " WIDE X 12.0000 LONG

CONNECTION 4 AT JOINT 4 4 0.750" DIAM ASTM A 36 BOLTS
BASE PLATE IS 0.500 INCHES THICK X 8.0 " WIDE X 12.0000 " LONG

CONNECTION 8 AT JOINT 11 4 0.750" DIAM ASTM A 36 BOLTS
BASE PLATE IS 0.500 INCHES THICK X 8.0 " WIDE X 8.0000 " ONG

ASSOCIATED DESIGN PARTNERS INC.

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e-mail: adp@adpengineering.com
web: www.adpengineering.com

80 Leighton Road ▪ Falmouth, Maine 04105

March 19, 2007 06131

Ms. Jeanie Bourke
Zoning and Code Enforcement Officer
389 Congress St
Portland, ME 04101

Re: Allagash Brewing Facility, Industrial Way, Portland, ME
Statement of Special Inspections – Final Report

Dear Jeanie,

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved.

Sincerely,

Aaron S. Wilson, P.E.
Structural Engineer
Associated Design Partners, Inc.

STATE OF MAINE
AARON S. WILSON
NO 10429
LICENSED
PROFESSIONAL ENGINEER