

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 02-0511	Issue Date: 6/10/02	CBL: 041 A001001
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Location of Construction: 252 Commercial St	Owner Name: City Of Portland	Owner Address: 389 Congress St	Phone:
Business Name: n/a	Contractor Name: AA Energy Service	Contractor Address: 4 Commercial Road, Po Box 908 Scar	Phone: 2077725719
Lessee/Buyer's Name n/a	Phone: n/a	Permit Type: Alterations - Commercial	Zone: WCZ
Past Use: Commercial / Ice Manufacturer	Proposed Use: Commercial / Install two new Teco Frost 16R22 freon compressons, located on third floor adjacent to existing compressons.	Permit Fee: \$1,885.00	Cost of Work: \$265,361.00
Proposed Project Description: Install two new Techo Frost 16R22 freon compressons.		CEO District: 2	FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied
		INSPECTION: Use Group: F-1 Type: 3B 6/10/02	Signature: <i>[Signature]</i>
		Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
		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: 06/03/2002	Zoning Approval	

- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- 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..

Special Zone or Reviews <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: <i>[Signature]</i> 6/17/02	Zoning Appeal <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	Historic Preservation <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>[Signature]</i>
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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

8/7/02 Steel beams, supports installed
9/4/02 completed
above

41-A-1

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.

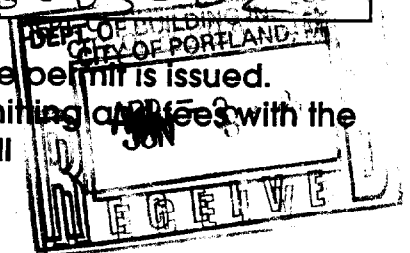
Location/Address of Construction: <u>One Portland Fish Pier, Portland ME 04101</u>			
Total Square Footage of Proposed Structure		Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Chart# <u>041</u> Block# <u>A</u> Lot# <u>001</u>		Owner: <u>Vessel Service, Inc</u>	Telephone: <u>(207) 772-5718</u>
Lessee/Buyer's Name (If Applicable)		Applicant name, address & telephone: <u>Ph 772-5718 David E Leeman % Vessel Services, Inc One Portland Fish Pier Portland, ME 04101</u>	Cost Of Work: <u>\$265,361.00</u> Fee: \$ <u>1,885.00</u>
Current use: <u>Ice manufacturer</u>			
If the location is currently vacant, what was prior use: _____ <u>To Mike Noyen</u>			
Approximately how long has it been vacant: _____			
Proposed use: <u>Ice manufacturer, upgrade</u>			
Project description: <u>I n stall two new Tecumseh 16 R22 freon compressors. Located on thine floor adjacent to existing compressors.</u>			
Contractor's name, address & telephone: <u>AAA Energy Service Co, 4 Commercial Road, PO Box 908 Scarborough, ME 04070-0908</u>			
Who should we contact when the permit is ready: <u>David E Leeman</u> <u>xx call</u>			
Mailing address: <u>One Portland Fish Pier Portland, ME 04101</u>			
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: <u>(207) 772-5718</u> <u>xx</u>			

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: David E Leeman Date: 06-03-02

This is NOT a permit, you may not commence ANY work until the permit is issued. If you are in a Historic District you may be subject to additional permitting app fees with the Planning Department on the 4th floor of City Hall



System Description

Table 1.1 General Specifications - TF 16S, 16L, 23MB, 23LB

Model	High Stage		Booster	
	16S	16L	23MB	23LB
Full Load Rating (HP)	158	158	158	158
<ul style="list-style-type: none"> • Packaged screw compressor, engine & oil separator • Variable speed drive controller • Engine heat recovery 	✓	✓	✓	✓
Natural Gas Fuel Supply:				
<ul style="list-style-type: none"> • Fuel Pressure (in wc)² [27.7 in wc = 1 psig] 	13-28	13-28	13-28	13-28
Maximum Heat Recovery & Rejection:²				
<ul style="list-style-type: none"> • Max. heat recovery rate (engine only)² (MBH) • Max. heat recovery rate (eng + exhaust)² (MBH) • Max. temperature (engine only)² (°F) • Max. temperature (eng + exhaust option)² (°F) • Recommended radiator pump flow rate (gpm) 	431 723 209 228 80	431 723 209 228 80	431 723 209 228 80	431 723 209 228 80
Electrical Requirements:				
<ul style="list-style-type: none"> • Control panel voltage • Pump voltage • Frequency (Hz) • Power requirement (KW) • Service • Starters for <ul style="list-style-type: none"> • 3HP compressor oil pump 480v-4.8amps • 1.5 HP engine coolant pump 480v-2.6amps • customer supplied coolant boost pump 	110/115 208-230/460 60 6 3 Ph. 3 Wire ✓ ✓ ✓	110/115 208-230/460 60 6 3 Ph. 3 Wire ✓ ✓ ✓	110/115 208-230/460 60 6 3 Ph. 3 Wire ✓ ✓ ✓	110/115 208-230/460 60 6 3 Ph. 3 Wire ✓ ✓ ✓
Ambient Condition Requirements:				
<ul style="list-style-type: none"> • Maximum temperature (°F) • Combustion air required³ (SCFM) • Ventilation air required³ (SCFM) 	115 275 3875	115 275 3875	115 275 3875	115 275 3875

1

Performance Notes:

¹ HP ratings at standard atmospheric conditions, higher ambient temperatures and/or high altitude sites require derating.

² Taken at rated horsepower.

³ Provisions should be taken to provide adequate ventilation into the room to maintain the maximum ambient temperature.

**ENERGY SERVICE CO.**

4 Commercial Road ● P.O. Box 908 ● Scarborough, ME 04070-0908 ● 207 / 883-1473 FAX 207 / 883-8371

Jay Allocca
Vessel Services Co
One Portland Fish Pier
Portland, ME 04101

April 8, 2002

RE: New Chiller Project

Dear Jay,

AAA Energy Service Co is quoting on the installation of (2) new 165 Tecofrost units.
The following is a summary of what we have included in our price:

- ✓ Rig into place (2) Tecofrost Compressors (Supplied By VSI)
- ✓ Rig into place (2) Air Cooled Radiators (Supplied By VSI)
- ✓ Refrigerant Piping
- ✓ Gas piping from VSI installed line
- ✓ Cooling Water Piping
- ✓ Control Valves
- ✓ Water Pumps
- ✓ Power and Control Wiring
- ✓ Roof work
- ✓ Insulation per Specification
- ✓ Exhaust Pipe for Gas Engines
- ✓ Cooling Water for Gas Engines
- ✓ Factory Start-up is included in the Cost of the Tecofrost Units
- ✓ Training
- ✓ Cad Drawings of New System
- ✓ Operating and Maintenance Manuals
- ✓ One Year Warranty on AAA Energy Service Co equipment

- The cost per pound of R-22 is: \$2.25
- The suction line size from the compressors is: 6"
- The Suction Header to Main Suction is: 8"
- The discharge line size from the compressors is: 4"
- The glycol piping to and from the Radiators is 2" Steel Pipe
- The engine water cooling pump is a Taco 1615-3/4 Hp
- The insulation on the refrigerant suction Line is Urethane with PV Jacket

The cost for Alternate # 1 is: \$2,000.00

AAA Energy Service Co. understands that this is a turnkey project and has to the best of our knowledge included all the labor and materials for a complete and functioning system.

The total cost for the above mentioned project is: \$ 48,769.00
(Forty-eight thousand seven hundred and sixty nine dollars)

If you have any questions on this project please feel free to call me at any time.

Yours truly,

Chris Gill



ENERGY SERVICE CO.

TYLIN INTERNATIONAL

To: David Leeman
Vessel Services, Inc.
One Portland Fish Pier
Portland, Maine 04101

From: Richard Hebert

Date: May 24, 2002

Subject: Vessel Services Building
Shed Roof Access Walkway and Equipment Support Details

Copy:

Job No: 1550.00

TRANSMITTAL

Reviewed Please find enclosed one set of stamped Design Plans and Construction Notes for the
For your use referenced work.
As per your request

Please call if you have any questions or comment on the enclosed.

VIA:

Personal Delivery Respectfully submitted,
Special Delivery
Messenger
U.S. Mail
U.S. Express Mail
Overnight Express *Richard Hebert*
UPS Richard Hebert, P.E.
Separate Cover
Fax
Modem

ACORD. CERTIFICATE OF LIABILITY INSURANCE		CSR SC VESSE-1	DATE (MM/DD/YY) 04/30/02
PRODUCER Morse, Payson & Noyes Ins. P.O. Box 406 Portland ME 04112-0406 Phone: 207-775-6000 Fax: 207-775-0339		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
INSURED Vessel Services, Inc. One Portland Fish Pier Portland ME 04101		INSURERS AFFORDING COVERAGE	
		INSURER A: ONEBEACON INSURANCE GROUP	
		INSURER B:	
		INSURER C:	
		INSURER D:	
		INSURER E:	

COVERAGES

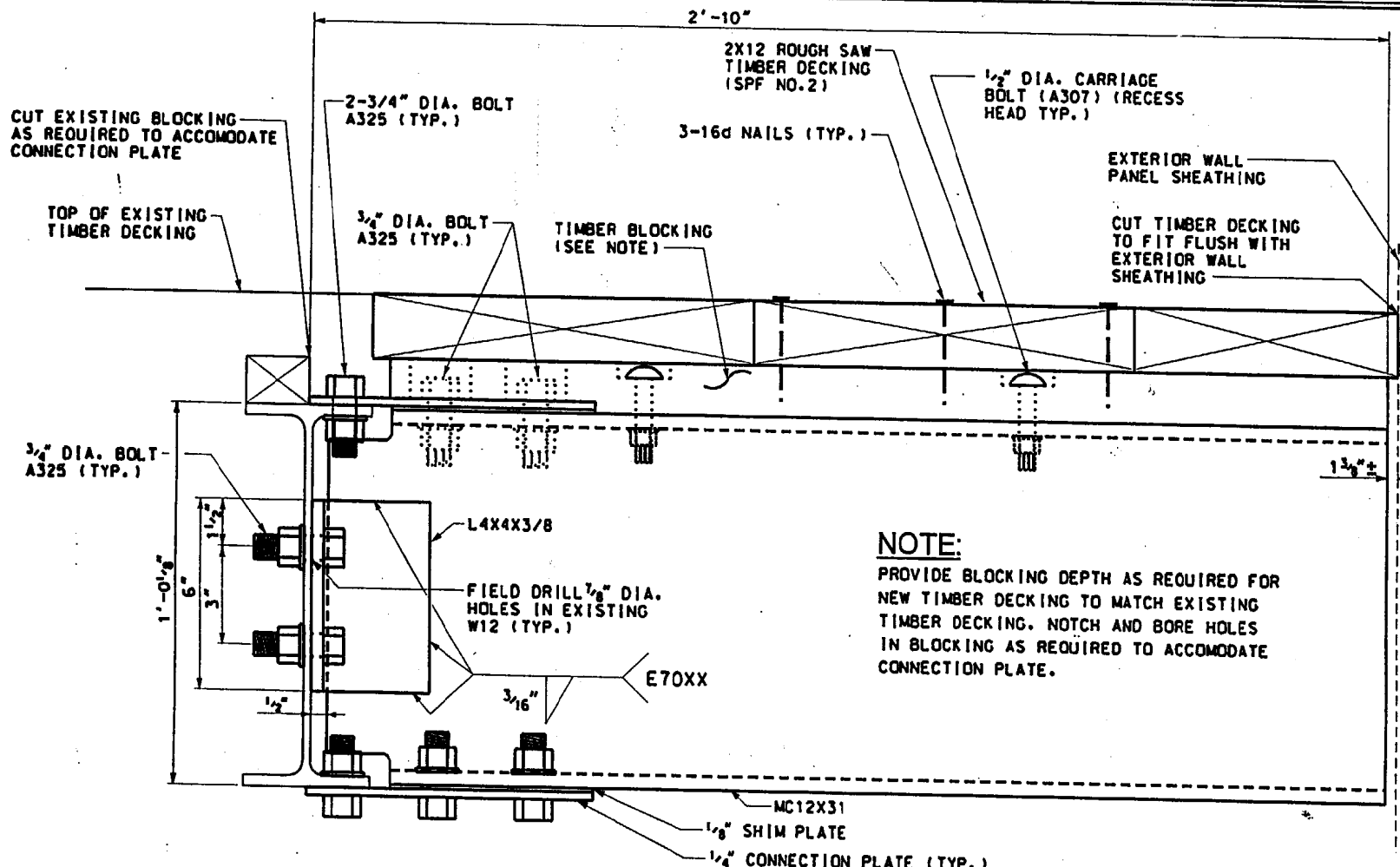
THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

NSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO. JECT <input type="checkbox"/> LOC	YMR412092	07/26/01	07/26/02	EACH OCCURRENCE \$ 1,000,000
	FIRE DAMAGE (Any one fire) \$ 250,000				
	MED EXP (Any one person) \$ 5,000				
	PERSONAL & ADV INJURY \$ 1,000,000				
	GENERAL AGGREGATE \$ 2,000,000				
	PRODUCTS - COM/PROP ASS \$ 2,000,000				
AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS					COMBINED SINGLE LIMIT (Ea accident) \$
					BODILY INJURY (Per person) \$
					BODILY INJURY (Per accident) \$
					PROPERTY DAMAGE (Per accident) \$
GARAGE LIABILITY <input type="checkbox"/> ANY AUTO					AUTO ONLY - EA ACCIDENT \$
					OTHER THAN AUTO ONLY: EA ACC \$ AGG \$
EXCESS LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$					EACH OCCURRENCE \$
					AGGREGATE \$
					\$
					\$
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY					WC STATUTORY LIMITS OTHER
					E L EACH ACCIDENT \$
					E L DISEASE - EA EMPLOYEE \$
OTHER A Special Property	YMR412092	07/26/01	07/26/02		E L DISEASE - POLICY LIMIT \$
					Building & Content

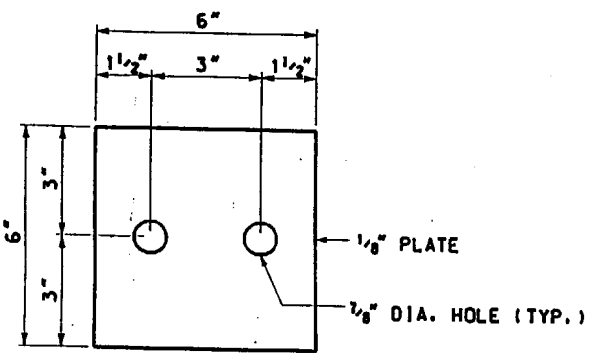
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

Certificate holder is named as loss payee and mortgage on business assets and new equipment

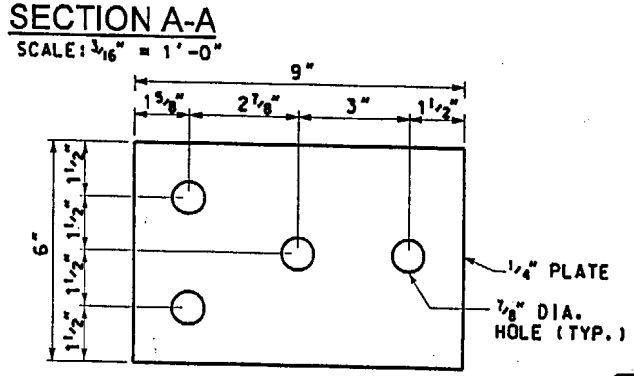
CERTIFICATE HOLDER	N	ADDITIONAL INSURED; INSURER LETTER	CANCELLATION
Fleet National Bank ISAOA ATIMA Mail Code CT EH 4151MP P. O. Box 2984 Hartford CT 06101-2984		FLEET02	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>10</u> DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE Charles Healey



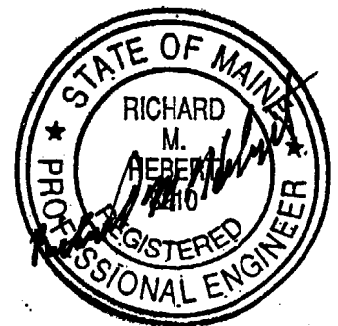
NOTE:
 PROVIDE BLOCKING DEPTH AS REQUIRED FOR NEW TIMBER DECKING TO MATCH EXISTING TIMBER DECKING. NOTCH AND BORE HOLES IN BLOCKING AS REQUIRED TO ACCOMMODATE CONNECTION PLATE.



SHIM PLATE DETAIL
 SCALE: 3/16" = 1'-0"



CONNECTION PLATE DETAIL
 SCALE: 3/16" = 1'-0"



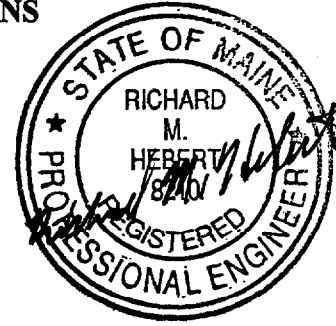
TYLIN INTERNATIONAL	Date: 5/21/02
SECTION A-A	
Vessel Services Building Framing Modifications	

**Project: VESSEL SERVICES BUILDING FRAMING MODIFICATIONS
- ACCESS WALKWAY & FLUID COOLER SUPPORTS**

Job No.: 1550.00

Prepared By: T.Y. Lin International

Date: May 24, 2002



NOTES:

General:

1. All existing building information referenced from original building design plans titled "Vessel Services Building" prepared by Hunter Ballew Associates, Falmouth, Maine, dated January 26, 1983, prepared for Cianbro and plans titled "Cianbro Corp. Vessel Services Building" prepared by The Sheridan Corporation, Fairfield - South Portland, Maine dated February, 1983.
2. The Contractor is responsible for field checking any and all dimensions and elevations applicable to this work prior to commencing work or ordering materials.
3. Design Loads:
 - Ground Snow Load: 60 psf ($C_e = 0.7, I = 1.0$)
 - Basic Wind Speed : 85 mph ($I = 1.1$; Exposure Category = D)
 - New Mechanical Equipment Roof Load: See "Access Walkway Roof Plan".
4. Structural steel and timber decking designed using the Allowable Strength Design method (Working Stress Design).
5. During the construction phase of the project the Contractor shall review design loads to limit and control construction loading, including but not limited to material stock piling and construction equipment.
6. It is the responsibility of the Contractor to provide adequate shoring and bracing to safely support the building during construction. Any approval by the Engineer will not relieve the Contractor of full responsibility for shoring and/or bracing.
7. Silicone sealant shall conform to ASTM C834.

Structural Steel:

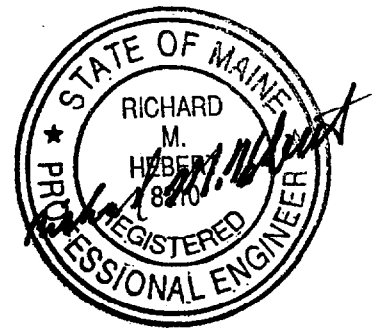
1. Structural steel work shall conform to the latest edition of the "Manual of Steel Construction" of the American Institute Of Steel Construction as revised to date.
2. All structural steel shall conform to ASTM A36 and shall have a minimum yield strength, $F_y = 36$ ksi.
3. Welding and preparation of surfaces for welding shall be done in accordance with the requirements of the "Structural Welding Code - Steel" of the American National Standards Institute (ANSI/AWS D1.1), as revised to date.
4. Field welding shall use E70XX electrode.
5. Structural steel connections shall be made by welding, ASTM A325 high strength bolts, or ASTM A309 bolts as indicated on the Plans. Nuts shall conform to ASTM A194 and washers shall conform to ASTM F436. All bolts, nuts, and washers shall be galvanized in accordance with ASTM A153.
6. Galvanized structural and miscellaneous steel shall be galvanized in accordance with ASTM A123.

**Project: VESSEL SERVICES BUILDING FRAMING MODIFICATIONS
- ACCESS WALKWAY & FLUID COOLER SUPPORTS**

Job No.: 1550.00

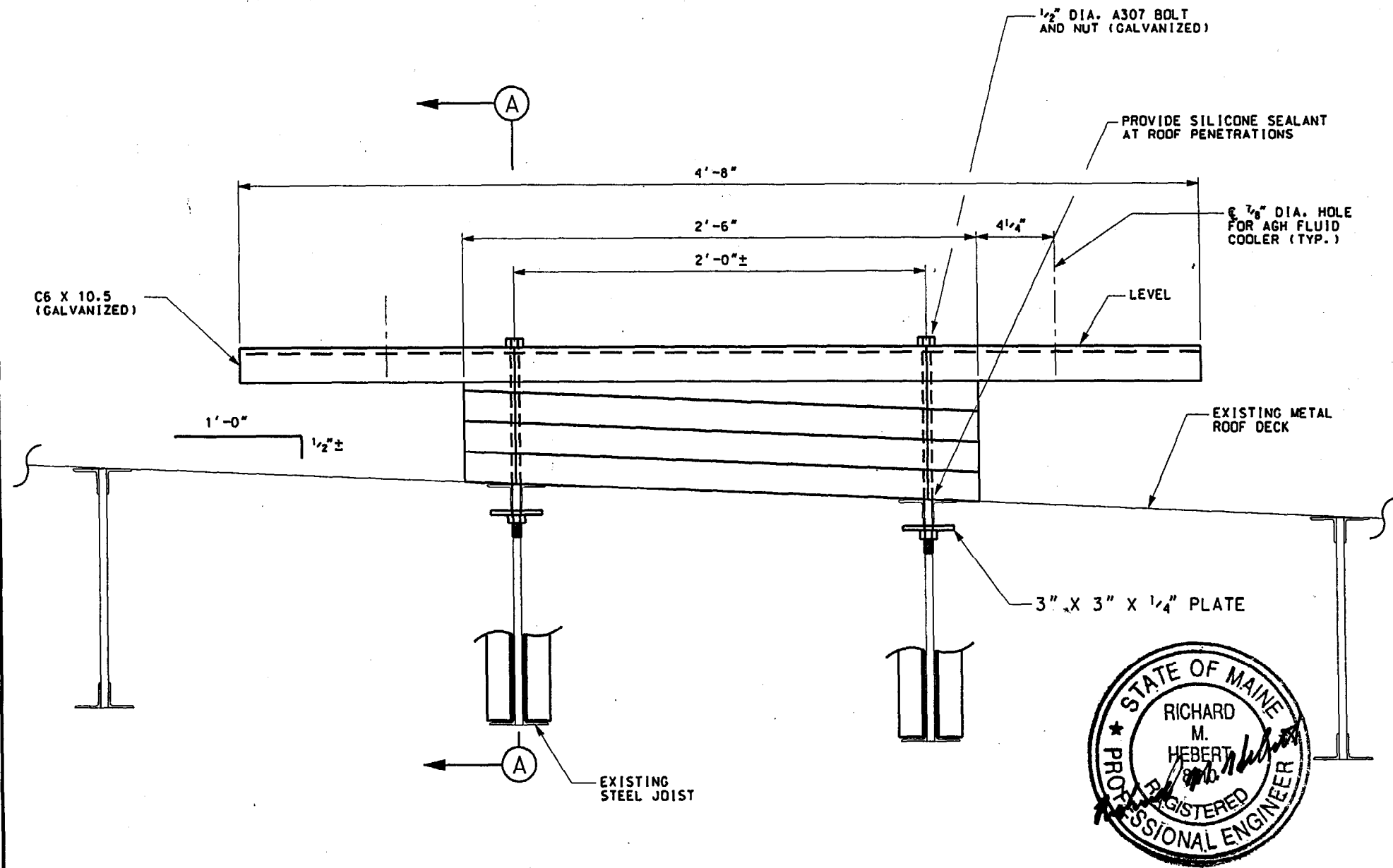
Prepared By: T.Y. Lin International

Date: May 24, 2002



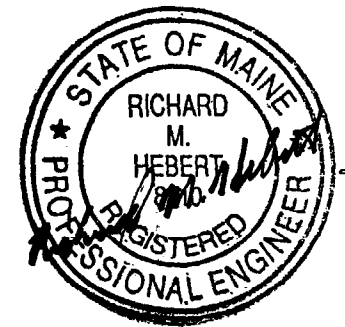
Timber:

1. Timber deck work shall conform to the latest edition of the "National Design Specification for Wood Construction" of the American Forest & Paper Association (ANSI/AF&PA NDS) as revised to date.
2. All framing timber shall be Pressure treated Southern Pine Grade No. 1 or better. Timber decking shall be pressure treated Southern Pine Commercial Grade (surfaced dry) or better.
3. All timber shall be pressure treated using the waterborne preservative Chromated Copper Arsenate (CCA) to a retention level of 0.40 lbs/cf in accordance with the American Wood Preservers Association Standard (AWPA Standard) C2.
4. All timber deck framing connections shall use a minimum of 3 -16d galvanized common wire nails, and all timber decking (5/4 x 6) shall be attached to support framing using a minimum 3 -8d galvanized common wire nails at each framing support. Common wire nails shall conform to the requirements of the NDS.



AGH FLUID COOLER SUPPORT DETAIL

SCALE: 1 1/2" = 1'-0"

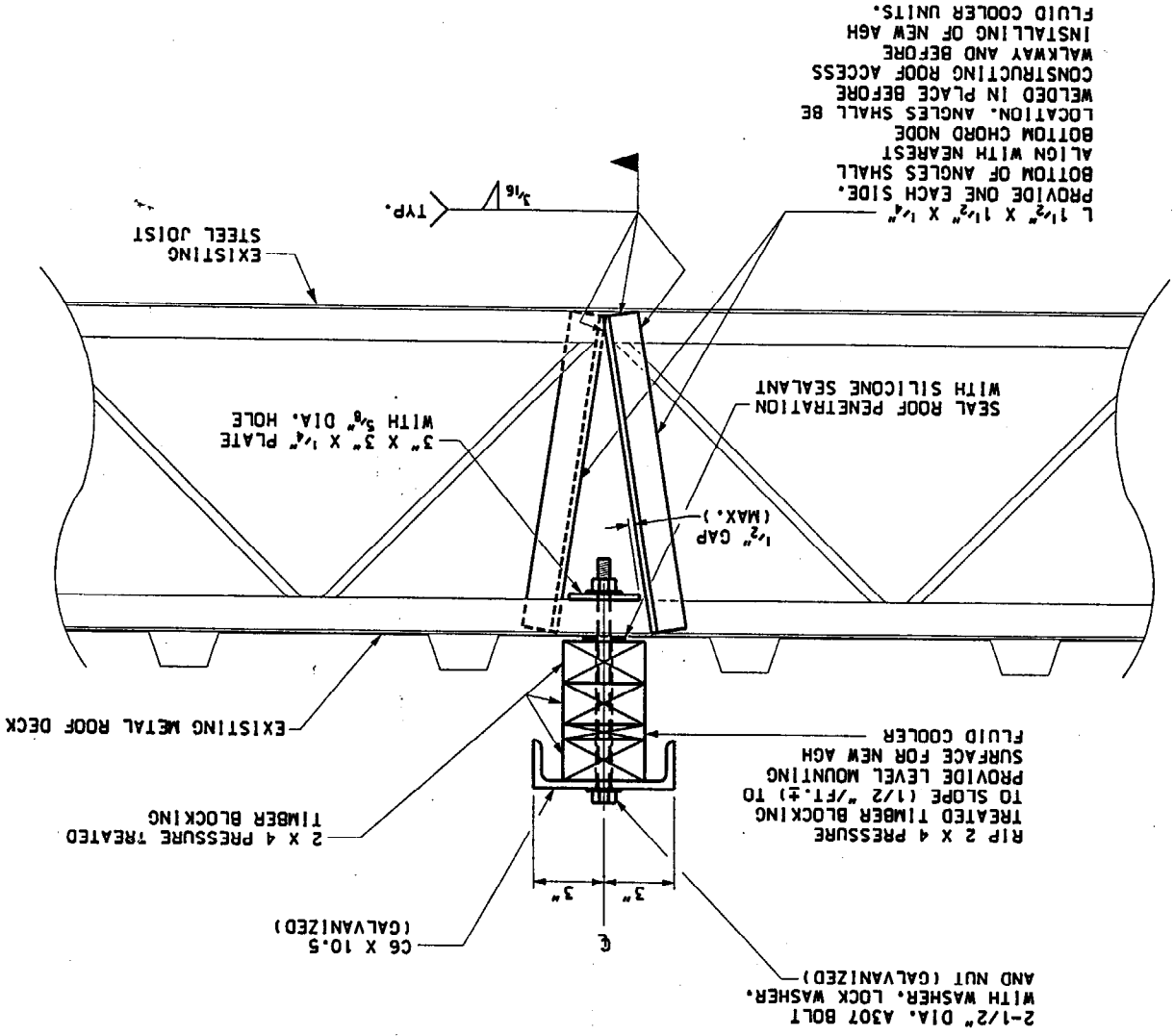


TYLINTERNATIONAL	Date: 5/24/02
COOLER SUPPORT DETAIL	
1 OF 2	
Vessel Services Building Framing Modifications	

Vessel Services Building Framing Modifications
 COOLER SUPPORT DETAIL
 2 OF 2
 TPL INTERNATIONAL
 Date: 5/24/02

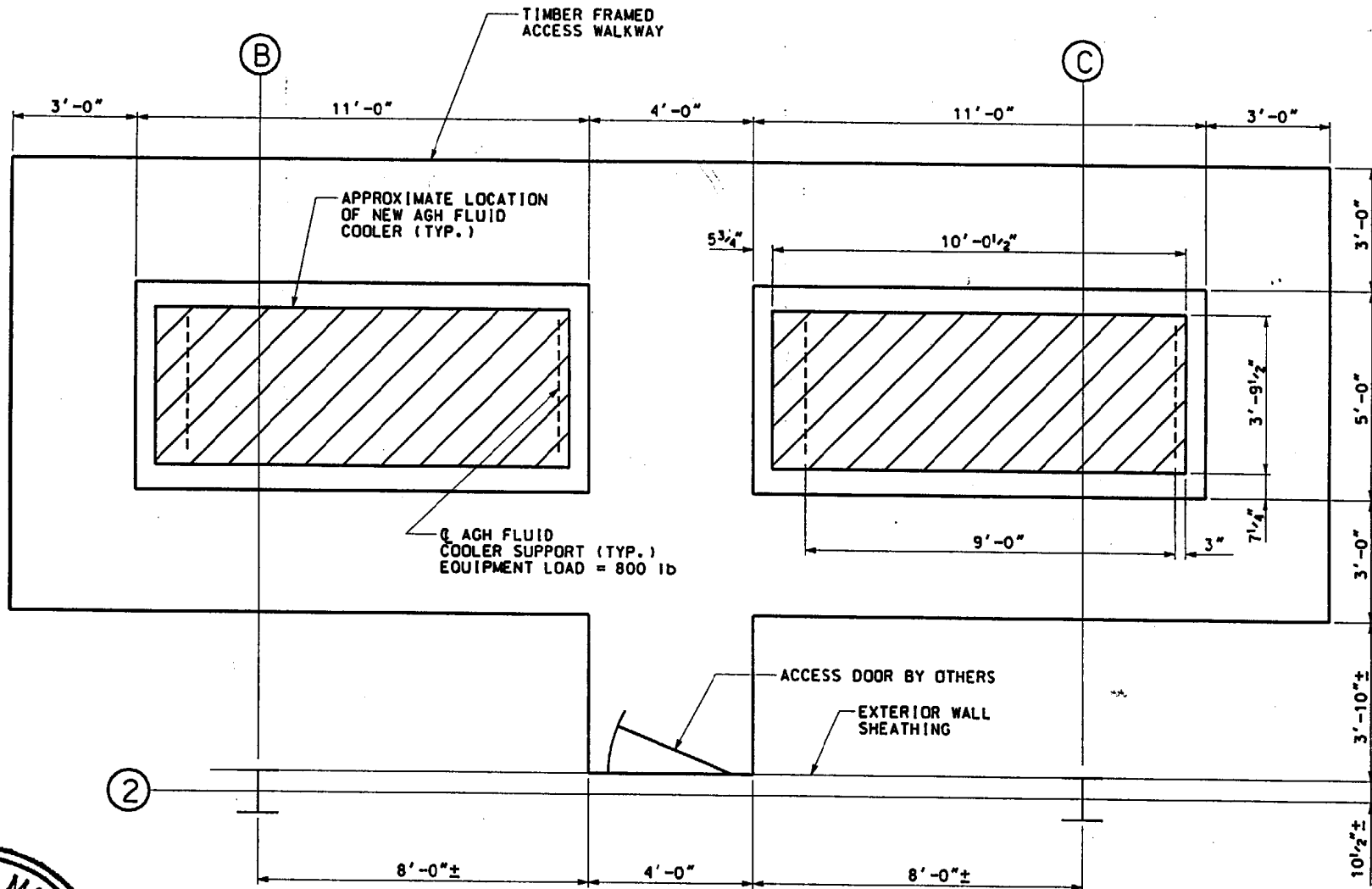


SECTION A-A
 SCALE: 1 1/2" = 1'-0"



FLUID COOLER SURFACE FOR NEW AGH PROVIDE LEVEL MOUNTING TO SLOPE (1/2" / FT. ±) TO RIP 2 X 4 PRESSURE TREATED TIMBER BLOCKING

L 1 1/2" X 1 1/2" X 1/4" PROVIDE ONE EACH SIDE. BOTTOM OF ANGLES SHALL ALIGN WITH NEAREST BOTTOM CHORD NODE LOCATION. ANGLES SHALL BE WELDED IN PLACE BEFORE CONSTRUCTING ROOF ACCESS WALKWAY AND BEFORE INSTALLING OF NEW AGH FLUID COOLER UNITS.



APPROXIMATE LOCATION OF NEW AGH FLUID COOLER (TYP.)

TIMBER FRAMED ACCESS WALKWAY

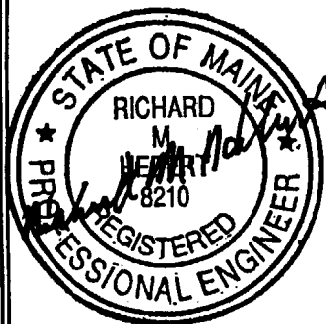
AGH FLUID COOLER SUPPORT (TYP.) EQUIPMENT LOAD = 800 lb

ACCESS DOOR BY OTHERS

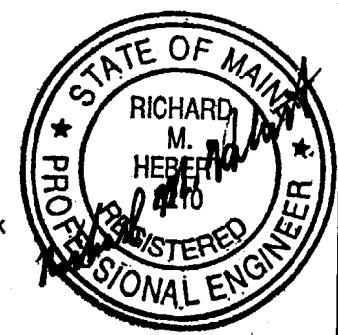
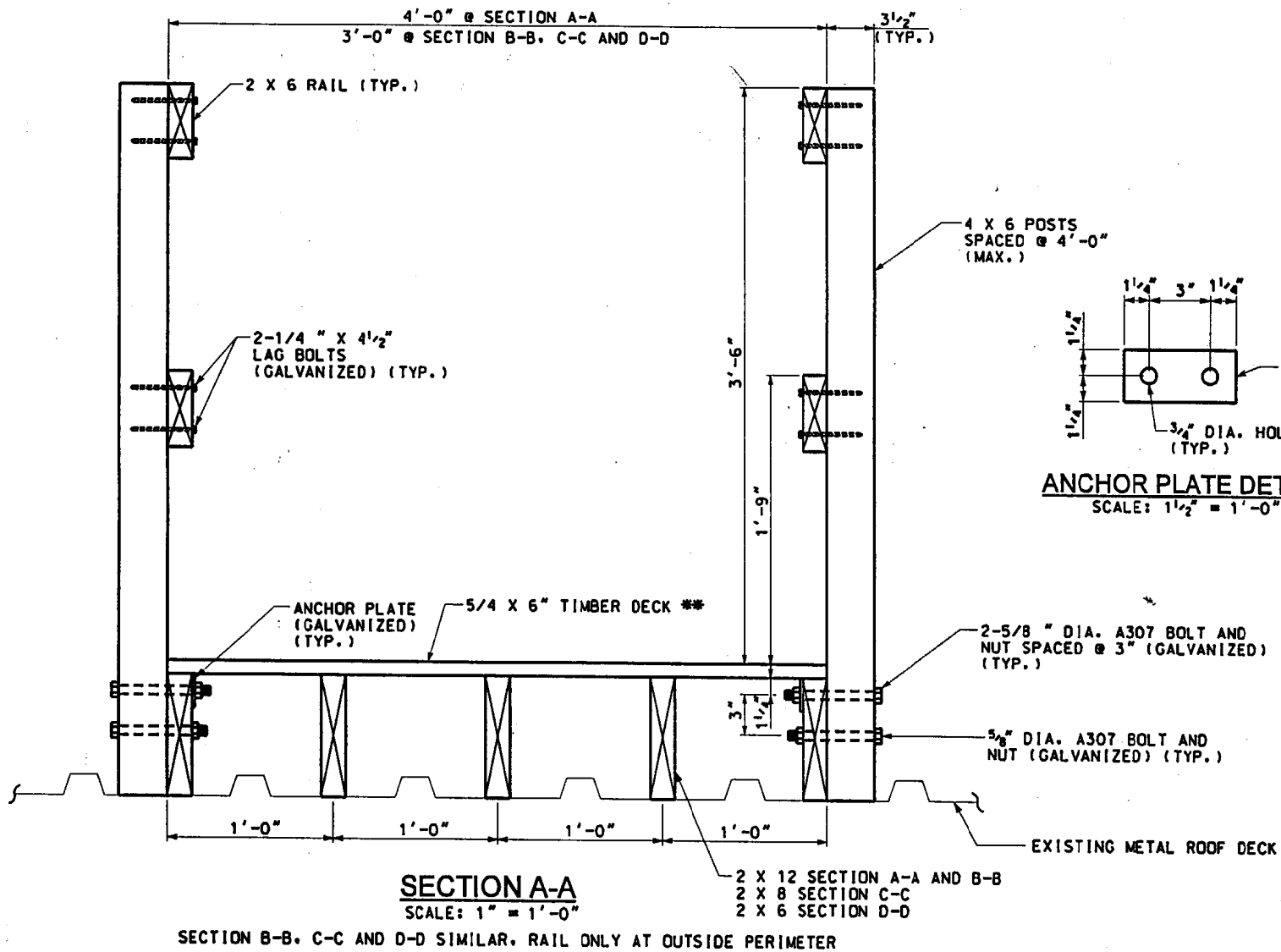
EXTERIOR WALL SHEATHING

ACCESS WALKWAY PLAN

SCALE: 1/4" = 1'-0"



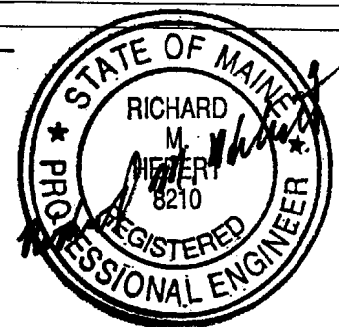
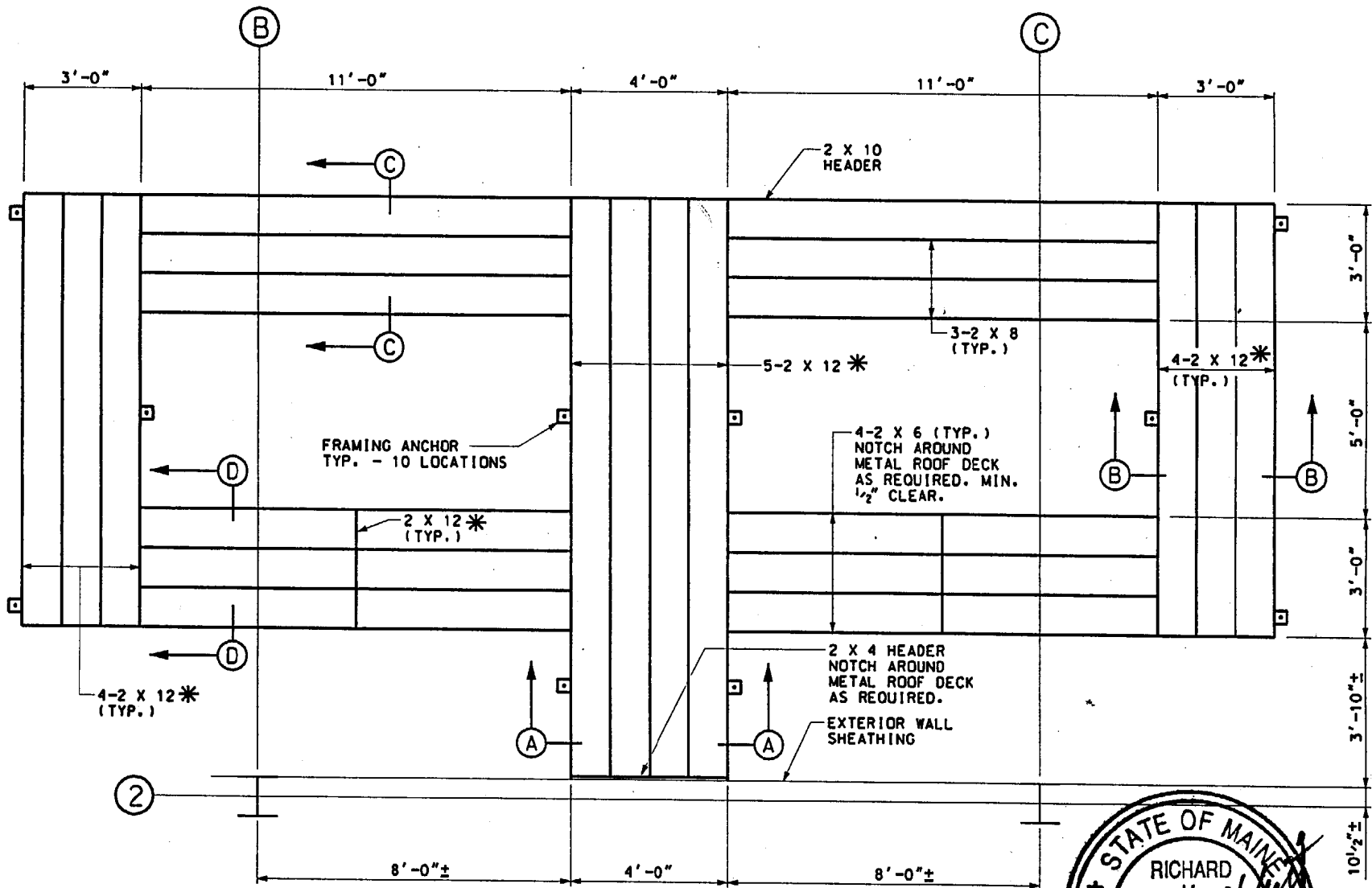
TYLIN INTERNATIONAL	Date: 5/24/02
ACCESS WALKWAY ROOF PLAN	
Vessel Services Building Framing Modifications	



NOTE:

** PROVIDE 1/4" GAP BETWEEN DECK BOARDS.

TYLIN INTERNATIONAL	Date: 6/24/02
ACCESS WALKWAY SECTION A-A	
Vessel Services Building Framing Modifications	

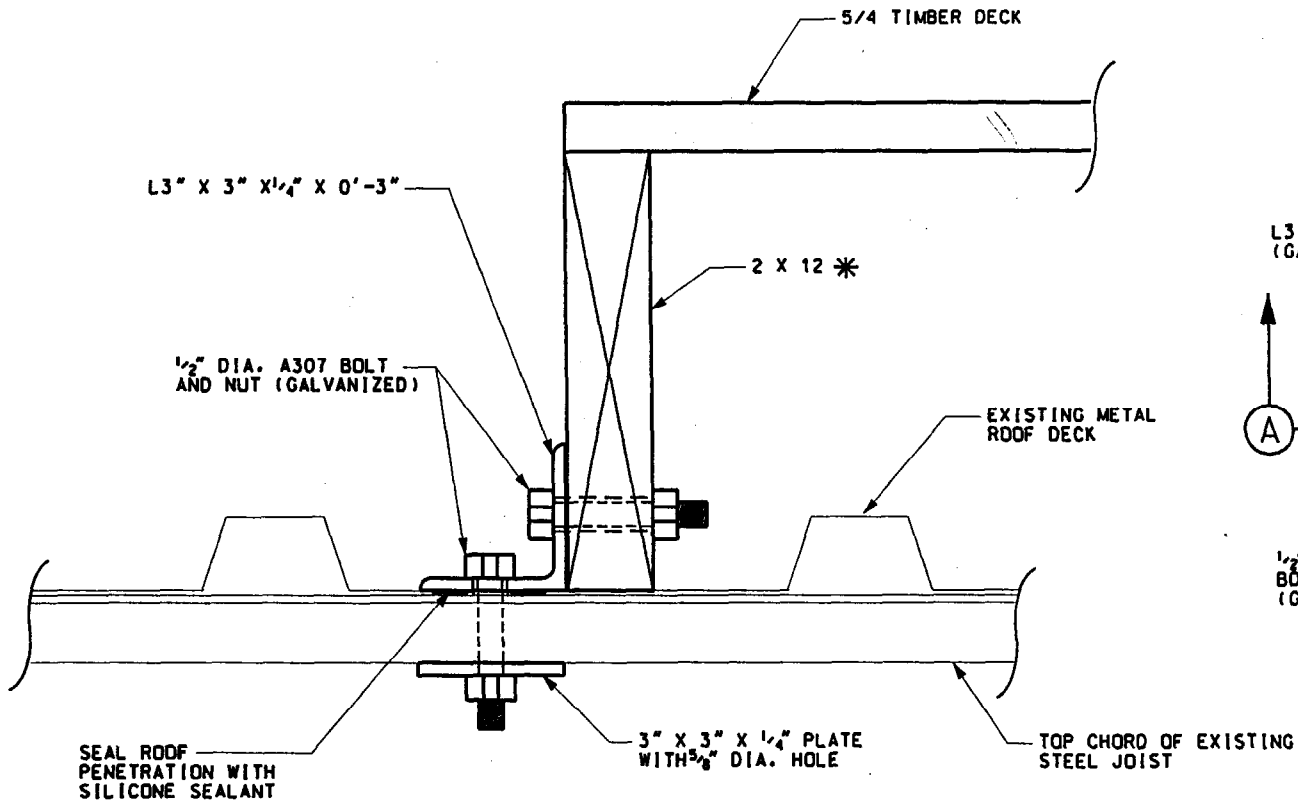


FRAMING PLAN
SCALE: 1/4" = 1'-0"

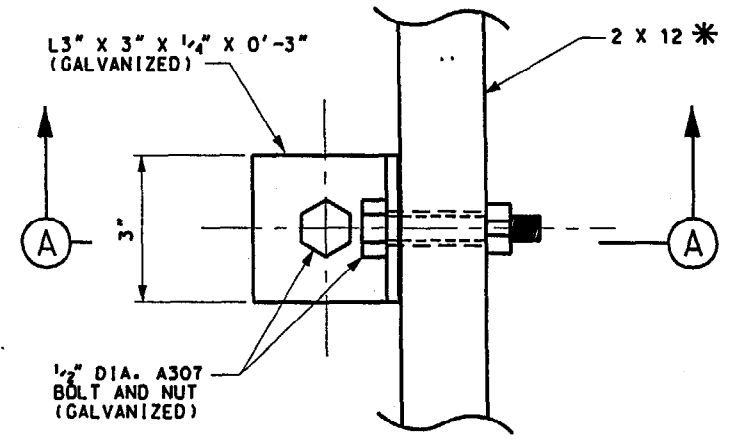
NOTE:

* RIP 2 X 12 PRESSURE TREATED TIMBER FRAMING TO SLOPE (1/2"/ft) TO PROVIDE LEVEL ACCESS WALKWAY DECK

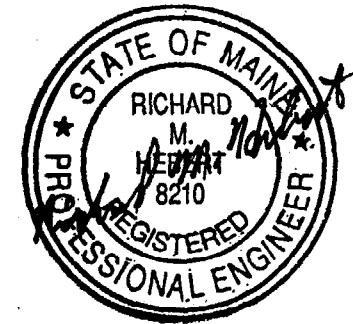
TYL INTERNATIONAL	Date: 5/24/02
ACCESS WALKWAY FRAMING PLAN	
Vessel Services Building Framing Modifications	



SECTION A-A
SCALE: 3" = 1'-0"



PLAN
SCALE: 3" = 1'-0"



TYLIN INTERNATIONAL	Date: 5/24/02
FRAMING ANCHOR DETAIL	
Vessel Services Building Framing Modifications	

TYLIN INTERNATIONAL

To: David Leeman
Vessel Services, Inc.
One Portland Fish Pier
Portland, Maine 04101

From: Richard Hebert

Date: May 20, 2002

Subject: Vessel Services Building
Equipment Penthouse Structural Design Modifications

Copy:

Job No: 1550.00

TRANSMITTAL

Reviewed Please find enclosed one set of stamped Design Plans and Construction Notes for the
For your use referenced work.
As per your request

Please call if you have any questions or comment on the enclosed.

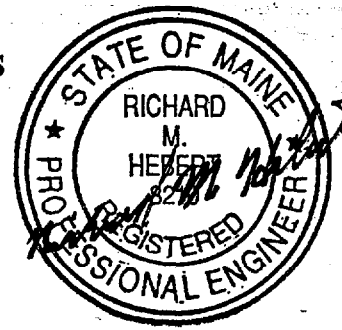
VIA:

Personal Delivery Respectfully submitted,
Special Delivery
Messenger
U.S. Mail
U.S. Express Mail
Overnight Express
UPS
Separate Cover
Fax
Modem

Richard Hebert

Richard Hebert, P.E.

Project: VESSEL SERVICES BUILDING FRAMING MODIFICATIONS
Job No.: 1550.00
Prepared By: T.Y. Lin International
Date: May 21, 2002



NOTES:

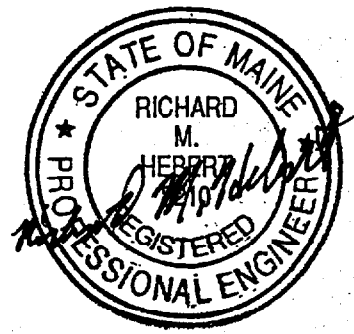
General:

1. All existing building information referenced from original building design plans titled "Vessel Services Building" prepared by Hunter Ballew Associates, Falmouth, Maine, dated January 26, 1983, prepared for Cianbro and plans titled "Cianbro Corp. Vessel Services Building" prepared by The Sheridan Corporation, Fairfield - South Portland, Maine dated February, 1983.
2. The Contractor is responsible for field checking any and all dimensions and elevations applicable to this work prior to commencing work or ordering materials.
3. Design Loads (Unless Noted Otherwise)
 - Live Floor: 100 psf per original design plans
 - New Mechanical Equipment Floor Load: See "Partial Equipment Penthouse Floor Plan".
4. Structural steel and timber decking designed using the Allowable Strength Design method (Working Stress Design).
5. During the construction phase of the project the Contractor shall review design loads to limit and control construction loading, including but not limited to material stock piling and construction equipment.
6. It is the responsibility of the Contractor to provide adequate shoring and bracing to safely support the building during construction. Any approval by the Engineer will not relieve the Contractor of full responsibility for shoring and/or bracing.

Structural Steel:

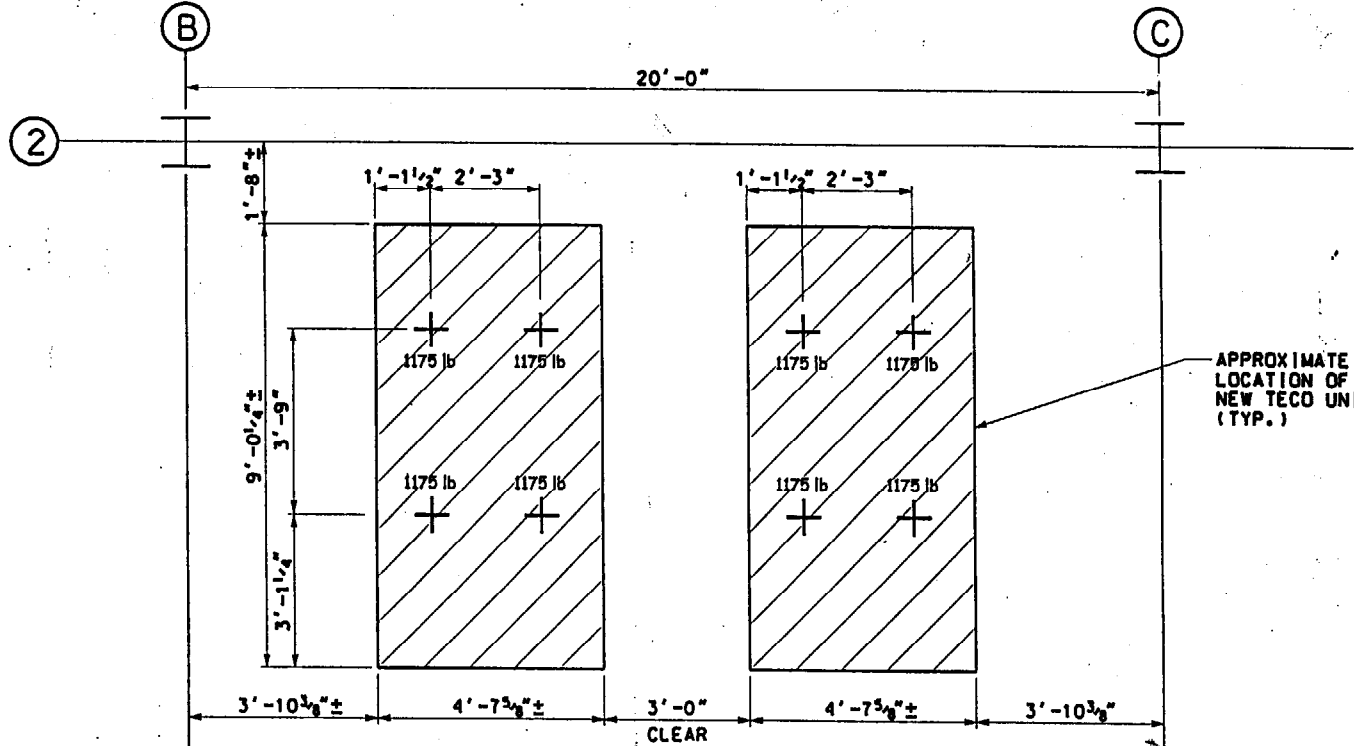
1. Structural steel work shall conform to the latest edition of the "Manual of Steel Construction" of the American Institute Of Steel Construction as revised to date.
2. All structural steel shall conform to ASTM A36 and shall have a minimum yield strength, $F_y = 36$ ksi.
3. Welding and preparation of surfaces for welding shall be done in accordance with the requirements of the "Structural Welding Code - Steel" of the American National Standards Institute (ANSI/AWS D1.1), as revised to date.
4. Structural steel shop connections shall be made by welding or with $\frac{3}{4}$ inch diameter ASTM A325 high strength bolts. All structural steel field connections shall be made with $\frac{3}{4}$ inch diameter ASTM A325 high strength bolts. A minimum of two bolts shall be provided at each connection. Nuts shall conform to ASTM A194 and washers shall conform to ASTM F436.
5. All connections shall be designed and constructed to resist loads shown on the plans unless noted otherwise. [*.*] indicates vertical load in kips needed to be designed for at connections.
6. All steel shall be primed red oxide.
7. Top of proposed steel shall match underside of existing timber floor decking, unless noted otherwise. Existing timber floor decking may be removed to allow access for placement of new structural steel framing. Any timber decking removed for placement of structural steel shall be replaced.

Project: VESSEL SERVICES BUILDING FRAMING MODIFICATIONS
Job No.: 1550.00
Prepared By: T.Y. Lin International
Date: May 21, 2002

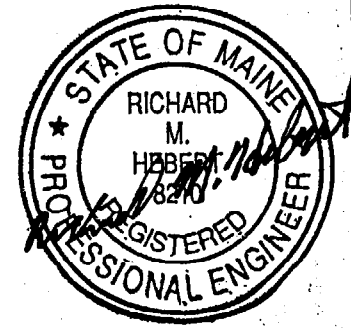


Timber:

1. Timber deck work shall conform to the latest edition of the "National Design Specification for Wood Construction" of the American Forest & Paper Association (ANSI/AF&PA NDS) as revised to date.
2. All timber shall be Spruce-Pine-Fir No. 2 or better.

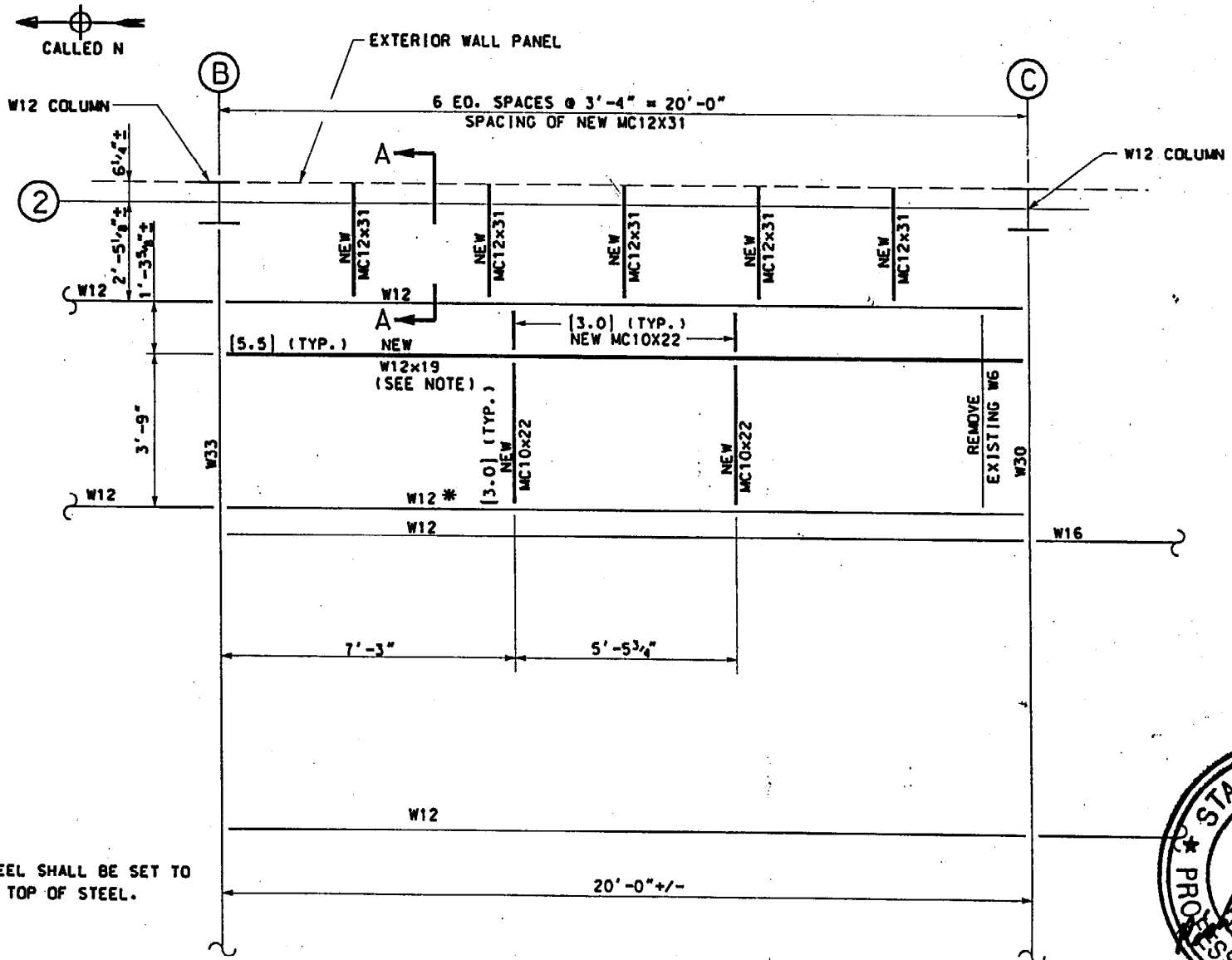


APPROXIMATE
LOCATION OF
NEW TECO UNIT
(TYP.)



**PARTIAL EQUIPMENT PENTHOUSE
FLOOR PLAN**
SCALE: 1/4" = 1'-0"

TYL INTERNATIONAL	Date: 5/21/02
FLOOR PLAN	
Vessel Services Building Framing Modifications	

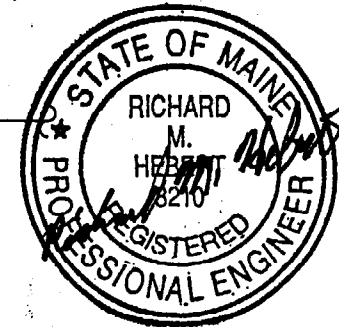


NOTE:

NEW W12X19 TOP OF STEEL SHALL BE SET TO MATCH EXISTING W12* TOP OF STEEL.

**PARTIAL EQUIPMENT PENTHOUSE
FRAMING PLAN**

SCALE: 1/4" = 1'-0"



TYLIN INTERNATIONAL	Date: 5/21/02
FRAMING PLAN	
Vessel Services Building Framing Modifications	

TY LIN INTERNATIONAL**FINAL REPORT OF SPECIAL INSPECTIONS**

Project: Vessel Services Building Modification

Location: Portland, Maine

Permit Applicant: Vessel Services, Inc.

Applicant's Address: One Portland Fish Pier

Portland, ME 04101

Structural Engineer of Record: Richard Hebert

Firm: T.Y. Lin International

General Contractor: Vessel Services, Inc.

To the best of my information, knowledge, and belief, the Special Inspections required for this project, as described in Section 1705 of the 1999 BOCA National Building Code, have been completed.


All discrepancies have been brought to the attention of the Contractor for correction. All discrepancies have been corrected, and the construction is in accordance with the design requirements.

Job site safety is solely the responsibility of the Contractor. Materials and activities inspected do not include the Contractor's equipment and methods used to erect or install the materials.

Submitted By:

Special Inspector

Richard Hebert


Signature

9/9/02
Date