

LOCATION MAP

**GENERAL NOTES:**

- RECORD OWNER OF PROPERTY IS MERRILL INDUSTRIES, INC. WHOSE MAILING ADDRESS IS 601 DANFORTH STREET, PORTLAND, MAINE 04102, AND IS RECORDED BY DEED BOOK 2288, PAGE 319 IN THE CUMBERLAND COUNTY REGISTRY OF DEEDS.
- THE LOCUS PROPERTY IS SHOWN ON THE CITY OF PORTLAND TAX MAP 12, LOTS 3A, 7A, AND 15A.
- TOPOGRAPHIC SURVEY WAS PERFORMED BY SEBAGO TECHNICS, INC. JUNE, 1991. ELEVATIONS ARE RELATED TO MEAN LOW WATER (MLW + 0).
- PROPERTY IS LOCATED WITHIN THE (WFDZ) WATERFRONT PORT DEVELOPMENT ZONE.  
 DIMENSION REQUIREMENTS:  
 MINIMUM LOT SIZE ..... NONE  
 MINIMAL FRONTAGE ..... NONE  
 SETBACK REQUIREMENTS ..... NONE  
 MAXIMUM LOT COVERAGE ..... 100%  
 MAXIMUM BUILDING HEIGHT ..... 45' (UNLESS SUBJECT TO EXCEPTIONS)
- PLAN REFERENCE  
 A. PLAN OF PROPERTY IN PORTLAND, MAINE MADE FOR MERRILL'S MARINE TERMINAL, EXISTING CONDITIONS PLAN BY H.I. AND E.C. JORDAN - SURVEYORS, DATED DECEMBER 19, 1989 AND STAMPED BY JOHN P. MCGONIGLE, JR., P.L.S. 356.  
 B. PLAN AND PROFILE OF 120' MAN UNDER VETERAN'S BRIDGE AT MERRILL'S COAL CO.' PLAN BY PORTLAND WATER DISTRICT, 225 DOUGLASS STREET, PORTLAND, MAINE 04104. LAST REV. DATE 3/20/89. THE EASEMENT FOR THE PORTLAND WATER DISTRICT WATER MAIN IS RECORDED AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN BOOK 803, PAGE 12.
- PRIOR TO BEGINNING ANY CONSTRUCTION THE OWNER SHALL ACQUIRE ALL THE NECESSARY PERMITS FROM THE CITY OF PORTLAND AND NOTIFY DGS 24 HOURS IN ADVANCE OF COMMENCING EXCAVATION ACTIVITIES, TO VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES.
- UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE.
- CONTRACTOR OR EXCAVATOR TO FIELD VERIFY INVERTS OF EXISTING STRUCTURES TO BE ALTERED PRIOR TO EXCAVATION ACTIVITIES.
- THE ADDITIONAL EXISTING CONDITIONS DATA REFERENCED IN REVISION 'C' WAS FIELD LOCATED BY INSTRUMENT SURVEY ON 12-14-01 & 1-23-02.

**PRELIMINARY**  
NOT FOR CONSTRUCTION

N/F  
CIAMBRO CORPORATION  
328 WEST COMMERCIAL ST.  
PORTLAND, MAINE 04102

D	DTM	3-04-02	REMOVE NOTE 10 & HYDROGRAPHIC SURVEY
C	DRL	1-30-02	ADD ADDITIONAL EXISTING CONDITIONS SURVEY DATA & NOTES 9&10
B	DTM	11/22/00	MODS REQUESTED BY CLIENT
A	DTM	06-28-00	SUBMITTED TO CLIENT FOR REVIEW
REV:	BY:	DATE:	STATUS:

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

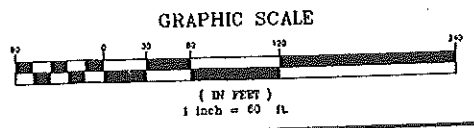
**MASTER SITE PLAN**  
OF:  
**MERRILL'S MARINE TERMINAL**  
DANFORTH AND WEST COMMERCIAL STREETS  
PORTLAND, MAINE  
FOR:  
**MERRILL INDUSTRIES, INC.**  
601A DANFORTH STREET  
PORTLAND, MAINE 04102



DESIGN BY:	BRF/DRL
DRAWN BY:	BRF/DRL
CHECKED BY:	DTM
DATE:	06-24-00
SCALE:	1"=60'
FIELD BK:	370&435a
PROJ. NO.:	00139
DRAWING:	00139msp
<b>SHEET 1 OF 1</b>	

**LEGEND**

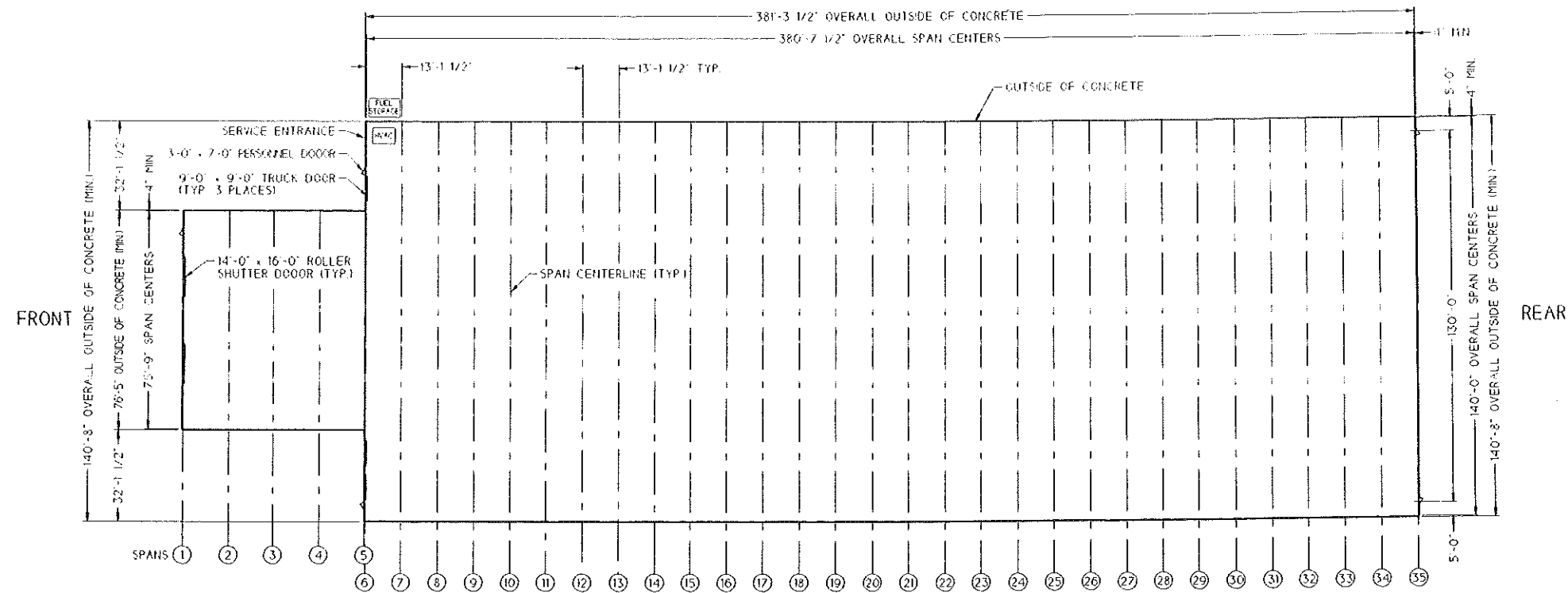
EXISTING	DESCRIPTION	PROPOSED	EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY/ROW	---	—O—	OVERHEAD ELEC. & TEL.	---
▭	BUILDING	▭	⊗	GATE VALVE	---
---	EDGE PAVEMENT	---	⊕	UTILITY POLE	---
---	GRAVEL ROAD	---	⊕	HYDRANT	---
---	CURBLINE	---	⊕	CATCH BASIN	---
---	CONTOURS	---	⊕	MANHOLE	---
---	WATER	---	---	CULVERT	---
---	SEWER	---	---	RAILROAD	---
---	STORM DRAIN	---	⊕	BENCHMARK	---



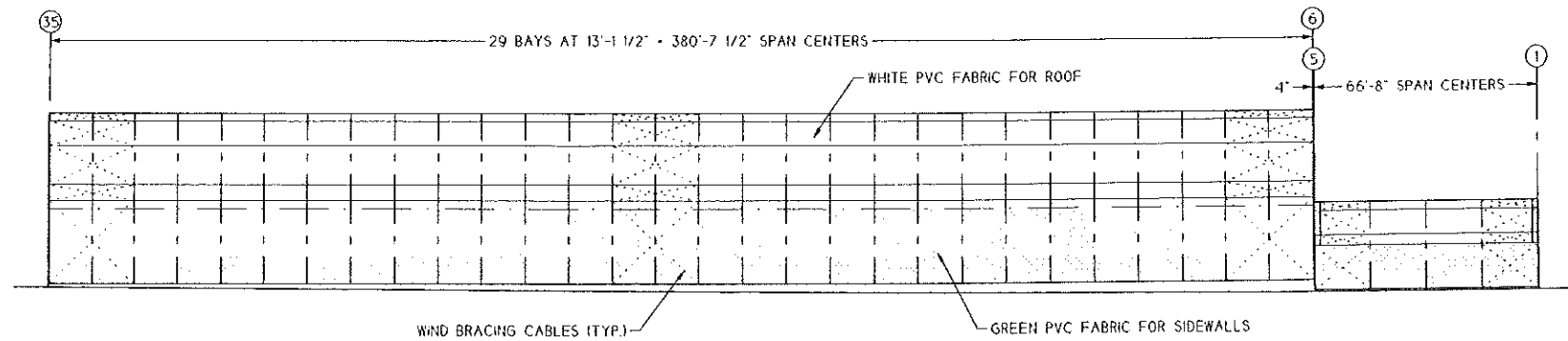
(SEE NOTE 12)

PORT RIVER / PORTLAND BLVD

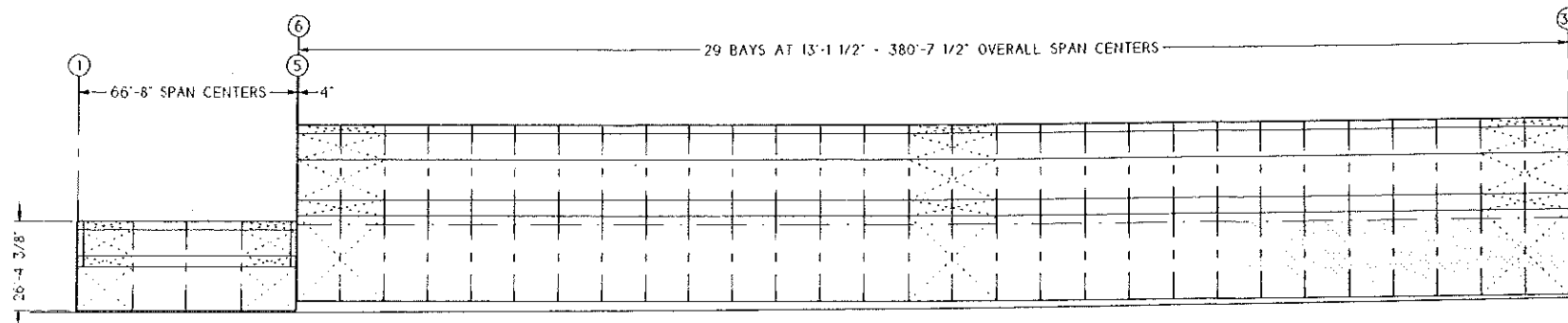
FLOW →



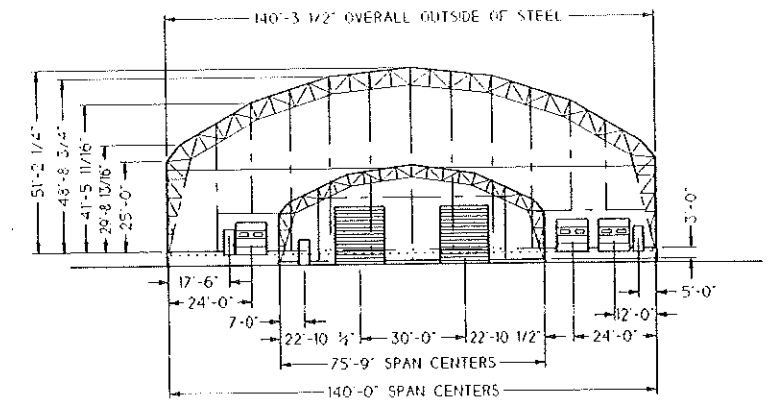
PLAN VIEW



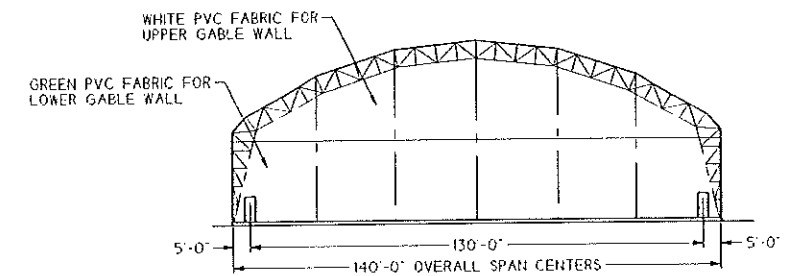
LEFT SIDE ELEVATION  
 NORTH SIDE FACING MERRILL'S ENTRANCE



RIGHT SIDE ELEVATION  
 SOUTH SIDE FACING WATER



FRONT ELEVATION  
 WEST SIDE

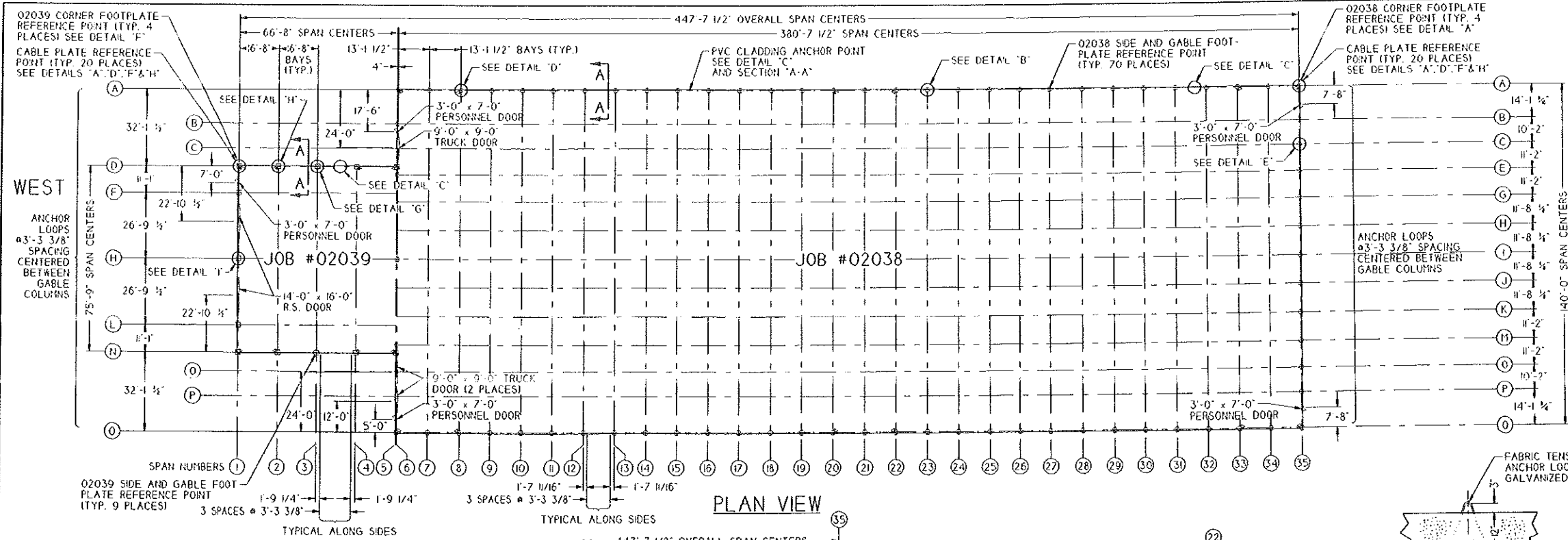


REAR ELEVATION  
 EAST SIDE FACING LEEN COMPANY

- NOTES:  
 1) COVERING MATERIAL IS A PVC IMPREGATED POLYESTER WEAVE FABRIC, SELF EXTINGUISHING TO FEDERAL TEST STANDARD 191 METHOD 5003 AND COMPLIES WITH NFPA STANDARD 701 UBC 55-1 AND CALIFORNIA STATE FIRE MARSHALL'S OFFICE.  
 2) STRUCTURAL FRAMEWORK IS GALVANIZED TUBULAR STEEL TRUSS FRAMES INTERCONNECTED WITH GALVANIZED TUBULAR STEEL PURLINS. STEEL PLATE AND SHAPES ARE A36. STEEL TUBING IS A500B.

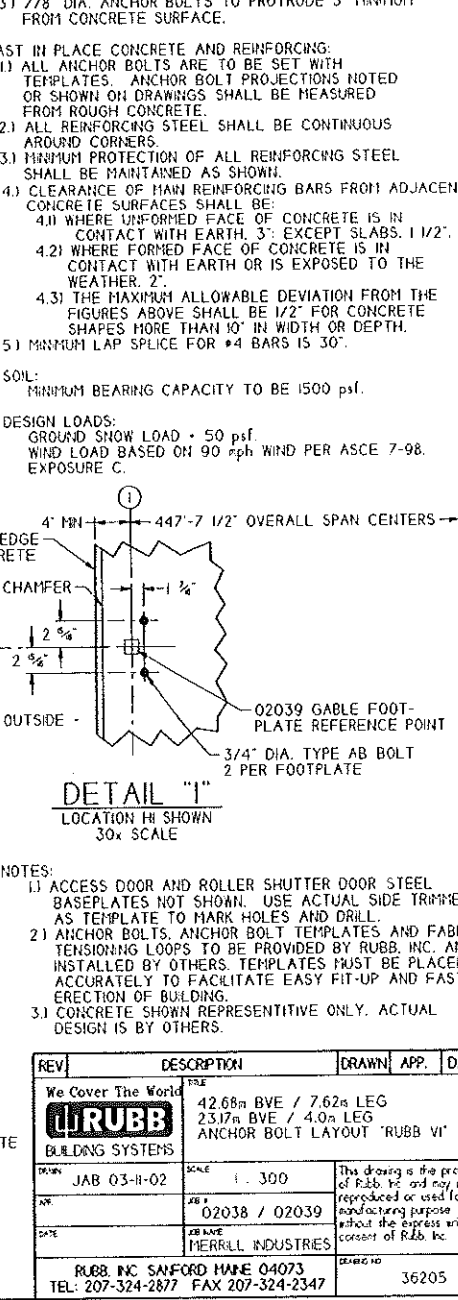
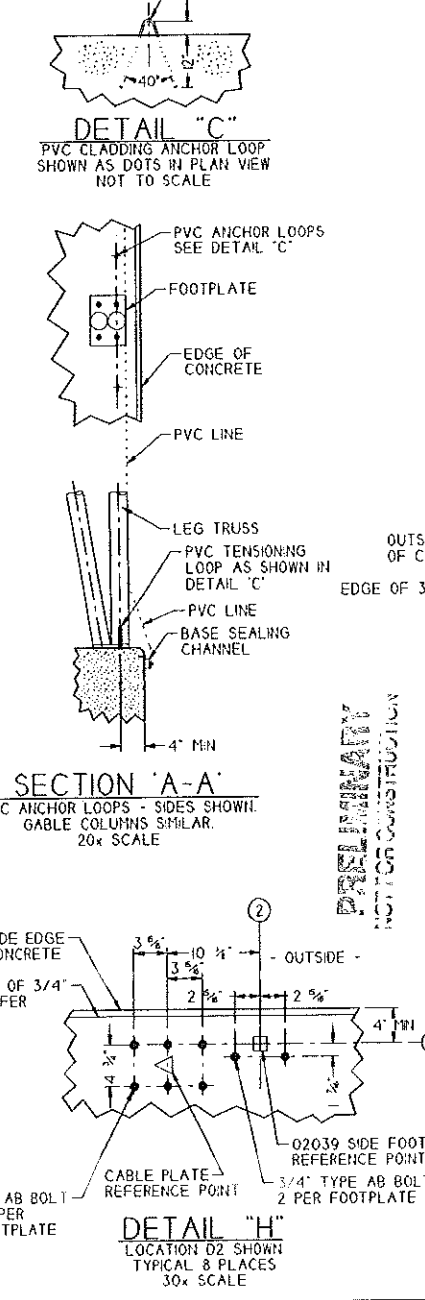
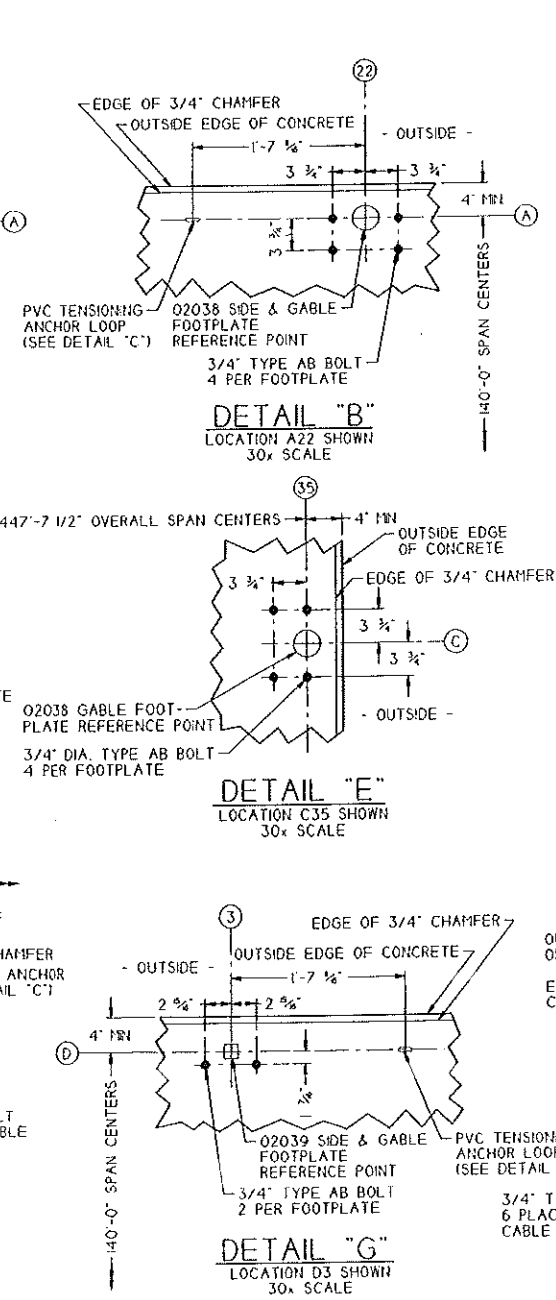
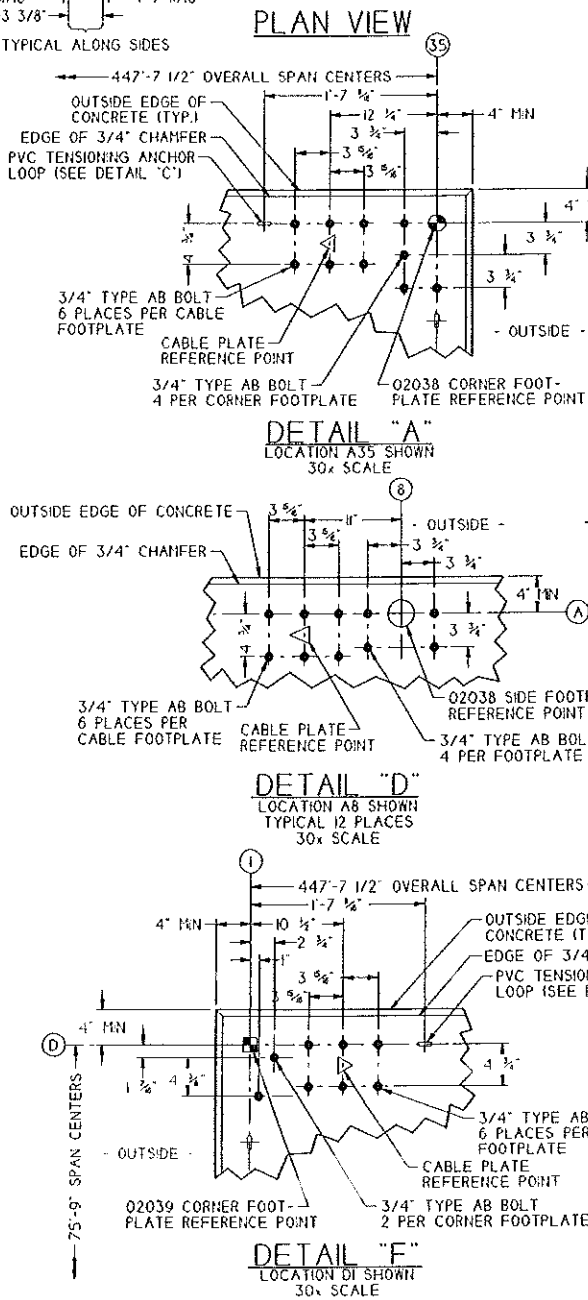
**PRELIMINARY**  
 NOT FOR CONSTRUCTION

REV.	DESCRIPTION	DRAWN	APP.	DATE
	We Cover The World <b>RUBB</b> BUILDINGS SYSTEMS			
	42.7m BVE / 7.6m LEG PLAN VIEW AND ELEVATIONS			
DRWN	AR 3-12-02	SCALE	1" = 300'	This drawing is the property of R. B. B. Inc. and may not be reproduced or used for any manufacturing purpose without the express written consent of R. B. B. Inc.
APP.		DATE	02038	
DATE		PROJECT NAME	MERRILL'S	
	RUBB, INC. SANFORD MAKE 04073 TEL: 207-324-2877 FAX 207-324-2347	DRAWING NO.		36206



- STRUCTURAL NOTES:**
- GENERAL:  
 DURING CONSTRUCTION, TEMPORARY BRACING AND/OR SHORING SHALL BE PROVIDED WHEREVER NECESSARY TO RESIST ALL LOADS TO WHICH THE STRUCTURE UNDER CONSTRUCTION AS WELL AS EXISTING STRUCTURES, MAY BE SUBJECTED TO. THESE LOADS SHALL INCLUDE, BUT NOT BE LIMITED TO, EQUIPMENT AND THE OPERATION OF SAME. ADEQUACY OF SHORING TO RESIST THESE LOADS IS THE CONTRACTOR'S RESPONSIBILITY.
- CODES AND SPECIFICATIONS (LATEST EDITIONS):  
 1) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318).  
 2) BUILDING CODE REQUIREMENTS FOR STRUCTURAL PLAIN CONCRETE (ACI 318.1).  
 3) AMERICAN INSTITUTE OF STEEL CONSTRUCTION - ALLOWABLE STRESS DESIGN (AISC-ASD).  
 4) MANUAL OF STANDARD PRACTICE, CONCRETE REINFORCEMENT STEEL INSTITUTE (CRSI).
- BASIS FOR ALLOWABLE DESIGN STRESSES:  
 1) CONCRETE 128 DAY COMPRESSIVE STRENGTH  
 11) ALL CAST IN PLACE CONCRETE UNLESS OTHERWISE NOTED:  $f'_c = 3000$  PSI MINIMUM  
 2) REINFORCING STEEL  
 21) MAIN REINFORCING STEEL: ASTM A615, GRADE 60.  
 22) TIES AND STIRRUPS: ASTM A615, GRADE 40 OR 60.  
 23) WELDED WIRE FABRIC (PLAN): ASTM A185.  
 3) STRUCTURAL STEEL  
 31) ROLLED SHAPES, PLATES AND BARS: ASTM A36.  
 32) ANCHOR BOLTS AND/OR THREADED FASTENERS: ASTM A325 OR B7.  
 33) BOLTS: ASTM A325 OR GRADE 2.  
 4) WELDING:  
 41) ALL WELDING ELECTRODES: AWS E70.
- ANCHOR BOLTS:  
 1) 5/8" DIA. ANCHOR BOLTS TO PROTRUDE A MINIMUM OF 2" FROM CONCRETE SURFACE.  
 2) 3/4" DIA. ANCHOR BOLTS TO PROTRUDE 2 1/2" MINIMUM FROM CONCRETE SURFACE.  
 3) 7/8" DIA. ANCHOR BOLTS TO PROTRUDE 3" MINIMUM FROM CONCRETE SURFACE.
- CAST IN PLACE CONCRETE AND REINFORCING:  
 1) ALL ANCHOR BOLTS ARE TO BE SET WITH TEMPLATES. ANCHOR BOLT PROJECTIONS NOTED OR SHOWN ON DRAWINGS SHALL BE MEASURED FROM ROUGH CONCRETE.  
 2) ALL REINFORCING STEEL SHALL BE CONTINUOUS AROUND CORNERS.  
 3) MINIMUM PROTECTION OF ALL REINFORCING STEEL SHALL BE MAINTAINED AS SHOWN.  
 4) CLEARANCE OF MAIN REINFORCING BARS FROM ADJACENT CONCRETE SURFACES SHALL BE:  
 4.1) WHERE UNFORMED FACE OF CONCRETE IS IN CONTACT WITH EARTH, 3" EXCEPT SLABS, 1 1/2".  
 4.2) WHERE FORMED FACE OF CONCRETE IS IN CONTACT WITH EARTH OR IS EXPOSED TO THE WEATHER, 2".  
 4.3) THE MAXIMUM ALLOWABLE DEVIATION FROM THE FIGURES ABOVE SHALL BE 1/2" FOR CONCRETE SHAPES MORE THAN 10" IN WIDTH OR DEPTH.  
 5) MINIMUM LAP SPLICE FOR #4 BARS IS 30".
- SOIL:  
 MINIMUM BEARING CAPACITY TO BE 1500 psf.
- DESIGN LOADS:  
 GROUND SNOW LOAD = 50 psf.  
 WIND LOAD BASED ON 90 mph WIND PER ASCE 7-98, EXPOSURE C.

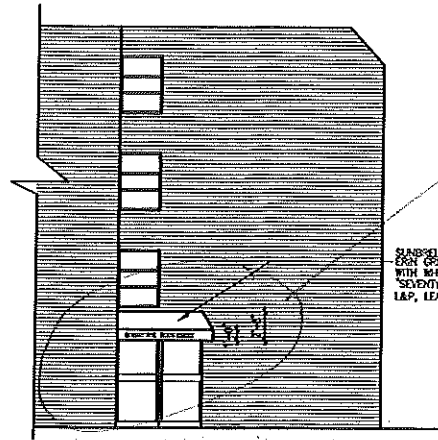
- FOUNDATION FORCES: (WORST CASES)**
- THE FOLLOWING ARE THE WORST CASE RESULTANT FORCES OUT OF ALL THE CODE REQUIRED LOAD CASE COMBINATIONS:
- 1999 BOCA BUILDING CODE  
 50 psf GROUND SNOW LOAD  
 90 mph WIND EXPOSURE C
- I) ALONG GRID LINES D & N**  
 DEAD + LIVE:  $F_x = 18.4k$  LATERAL  
 $F_y = 24.0k$  DOWN  
 DEAD + SIDE WIND:  $F_x = 3.3k$  LATERAL  
 $F_y = 7.9k$  NET UPLIFT
- $F_x$  - ACROSS SPANS  
 $F_y$  - VERTICAL  
 $F_z$  - ALONG BUILDING LENGTH
- II) AT GRID LOCATIONS DI, D2, D4, D5, NI, N2, N4, N5**  
 DEAD + GABLE WIND + LIVE:  $F_x = 10k$  LATERAL  
 $F_y = 4.8k$  NET UPLIFT  
 $F_z = 9.7k$  LATERAL  
 OR:  
 $F_x = 10k$  LATERAL  
 $F_y = 7.6k$  DOWN  
 $F_z = 0.0k$  LATERAL
- III) END WALL LOCATIONS AT GABLE COLUMNS FI, HI, LI**  
 WIND:  $F_z = 5.1k$  LATERAL (MAX)
- IV) ALONG GRID LINES A & O**  
 DEAD + LIVE:  $F_x = 19.8k$  LATERAL  
 $F_y = 31.8k$  DOWN  
 DEAD + SIDE WIND:  $F_x = 10.6k$  LATERAL  
 $F_y = 18.5k$  NET UPLIFT
- V) AT GRID LOCATIONS A6, A8, A20, A22, A33, A35, O6, Q8, Q20, Q22, Q33, Q35**  
 DEAD + GABLE WIND + LIVE:  $F_x = 0.4k$  LATERAL  
 $F_y = 12.2k$  NET UPLIFT  
 $F_z = 14.6k$  LATERAL  
 OR:  
 $F_x = 5.4k$  LATERAL  
 $F_y = 26.9k$  DOWN  
 $F_z = 0.4k$  LATERAL
- VI) END WALL LOCATIONS AT GABLE COLUMNS B6, B35, C35, E6, E35, G35, H35, I35, J35, K35, M6, M35, O35, P35**  
 WIND:  $F_z = 5.6k$  LATERAL (MAX)
- NOTES:**  
 1) THE FORCES IN I & IV ARE FOR ONE BAY LENGTH. THE LATERAL LOAD AND DOWNWARD LOAD IS A POINT LOAD AT EACH COLUMN. THE UPLIFT IS A DISTRIBUTED LOAD ALONG THE ENTIRE BAY LENGTH.  
 2) FORCES IN II, III, V & VI ARE ALL POINT LOADS AT SPAN OR COLUMN LOCATIONS INDICATED.



**ANCHOR BOLT SCHEDULE**

MARK	TYPE	BOLT DIA	D	A	B	C	E	MIN THREAD	T	MATL	QTY	LOCATION
3/4	AB	3/4"	18"	2.5"	-	STD	3	A36	120	CABLE PL		
3/4	AB	3/4"	12"	2.5"	-	STD	3	A36	322	LEG FT PL		

REV	DESCRIPTION	DRAWN	APP.	DATE
1	42.68n BVE / 7.62n LEG 23.17n BVE / 4.0n LEG ANCHOR BOLT LAYOUT 'RUBB VI'			
JAB 03-11-02	SCALE 1" = 300'			This drawing is the property of RUBB Inc. and may not be reproduced or used for any manufacturing purpose without the express written consent of RUBB Inc.
	PROJECT 02038 / 02039			
	DRAWN BY MERRILL INDUSTRIES			
RUBB INC SANFORD HARE 04073 TEL: 207-324-2877 FAX 207-324-2347				36205

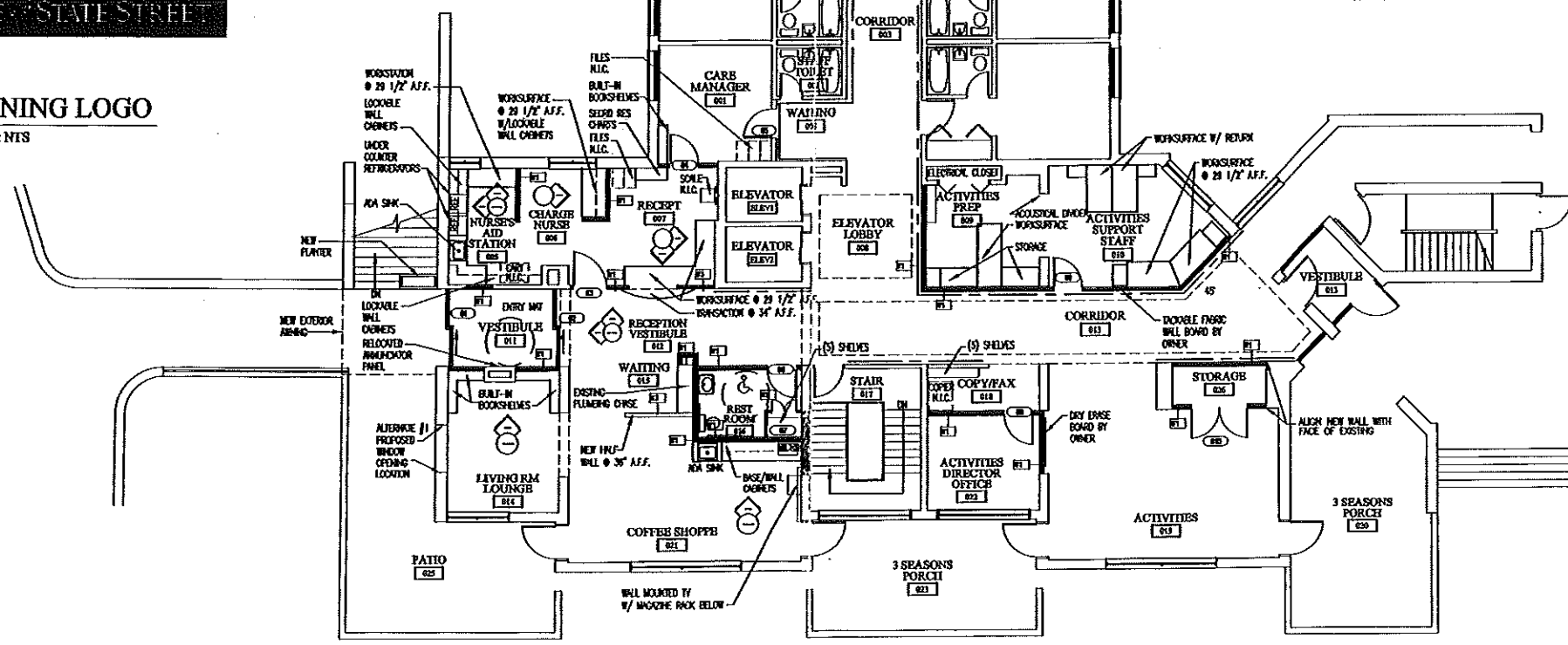


MATERIAL TO BE CONSTRUCTED OF SUNBELLA - SOLUTION DYES ACRYLIC WOVEN ABRASIVE FABRIC CONTACT LAP, LEIGHT AND PARRIS, INC. FOR DETAILS

**4 ELEVATION AT ENTRANCE**  
A-100 SCALE: 1/8" = 1'-0"

SEVENTY-FIVE STATE STREET

**3 AWNING LOGO**  
A-100 SCALE: NTS



**2 FLOOR PLAN**  
A-100 SCALE: 1/8" = 1'-0"

*Separate permit required for signage*

**ALTERNATES:**

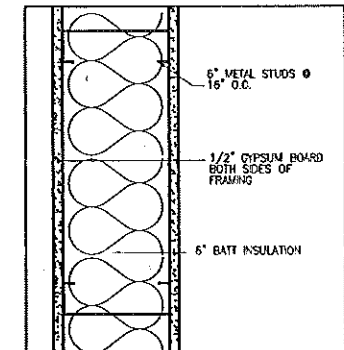
ALT. #1. REMOVE 5'-0" OF EXTERIOR WALL FOR NEW WINDOW IN LIVING ROOM LOUNGE 014.

**NOTES:**

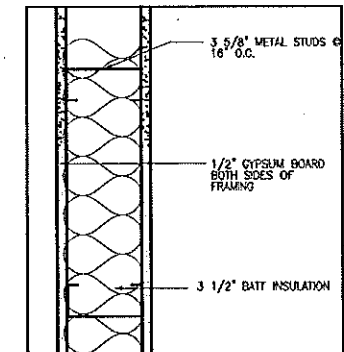
1. PREPARE CORRIDOR 003 FOR NEW PAINT, CARPET VINYL BASE AND CEILING.
2. C.C. TO VERIFY ALL DIMENSIONS.

**PARTITION LEGEND**

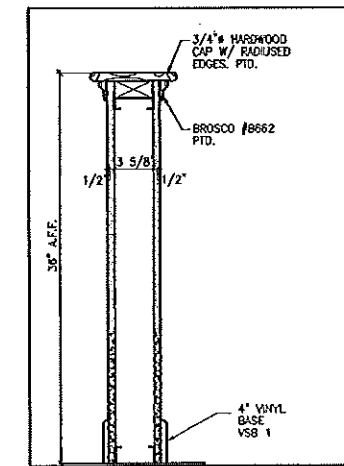
- EXISTING PARTITIONS TO REMAIN
- NEW PARTITIONS
- CHAIR RAIL LOCATION



**1 WALL TYPE** SCALE: NTS



**2 WALL TYPE** SCALE: NTS



**3 WALL TYPE** SCALE: NTS

**1 WALL TYPES**  
A-100 SCALE: NTS

**GAWRON ARCHITECTS**  
29 Black Point Road  
Scarborough, MB 04074  
www.gawron.com  
Tel. 207.883.6307  
Fax. 207.883.0361

SEVENTY-FIVE STATE STREET  
Portland, Maine  
South Commons

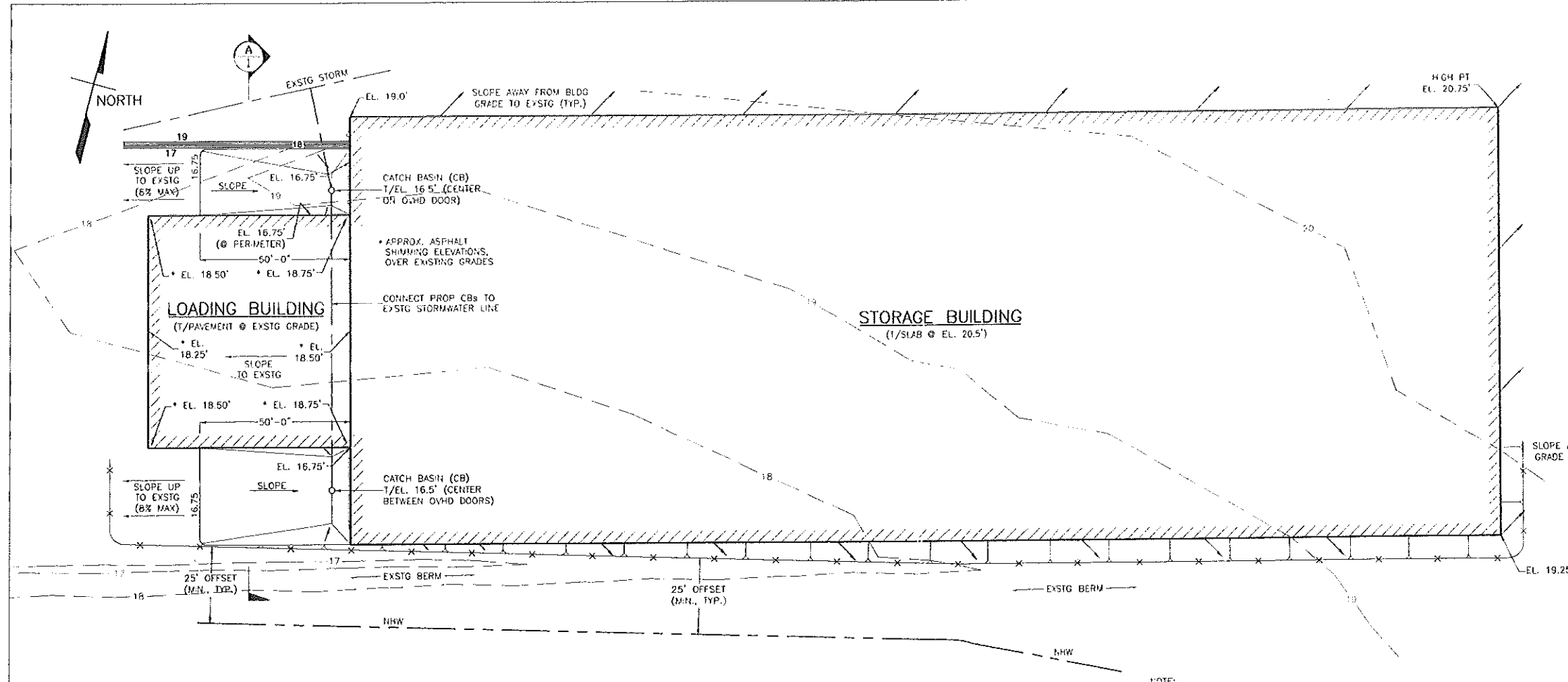
REVISIONS		
#	DATE	DESCRIPTION

DATE	05.03.02
PROJECT #	011600.05
DRAWN BY:	DEPLAA
CHECKED BY:	MBT
DRAWING SCALE	1/8" = 1'-0"

SHEET TITLE  
FLOOR PLAN AND EXT. ELEVATION

A-100

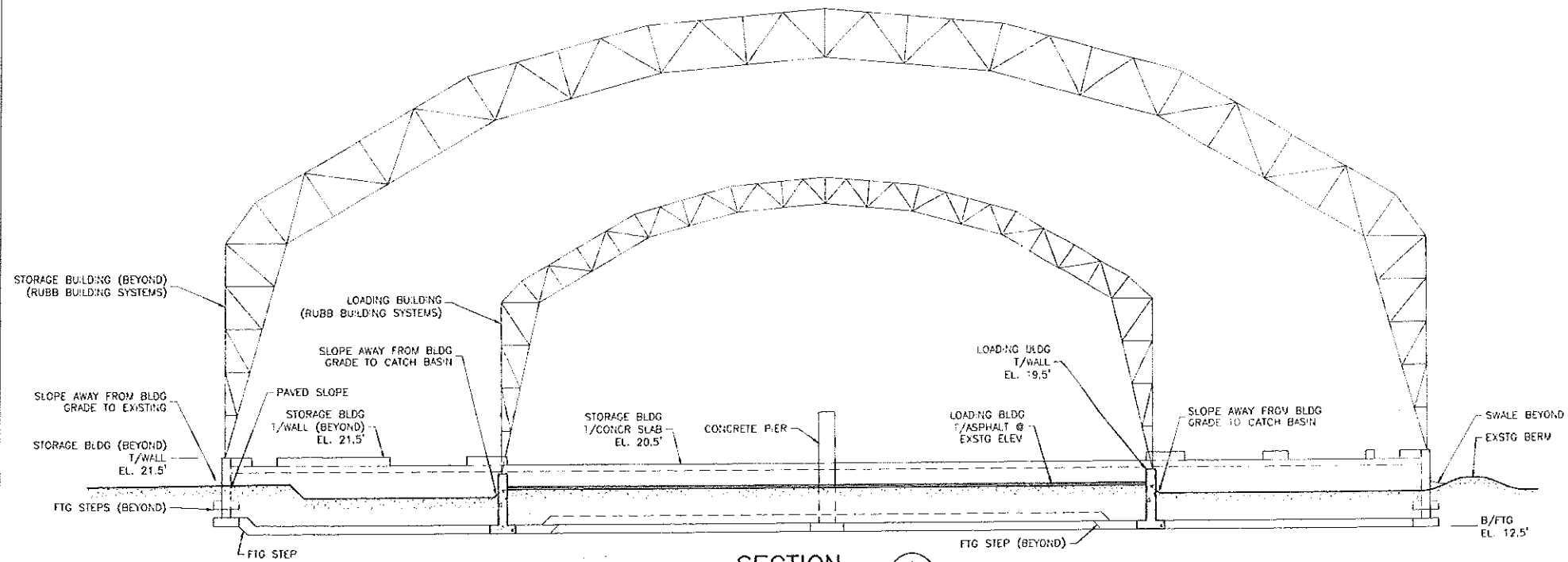
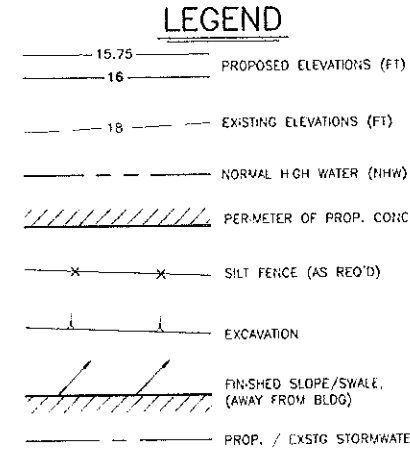
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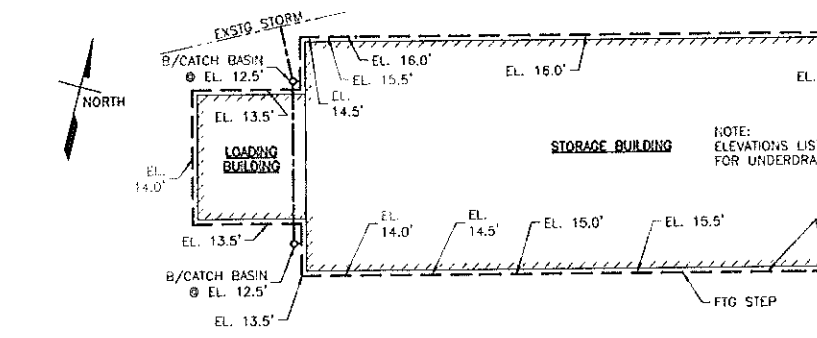
**SITE PLAN**  
SCALE: 1" = 20'-0"

NOTE: EXISTING ELEVATIONS AND CONTOURS WERE APPROXIMATED FROM "MERRILL SITE PLAN - MERRILL MARINE TERMINAL" BY SEBAGE TECHNIQS, WESTBROOK, MAINE, DATED JANUARY 4, 2002.

- EARTHWORK NOTES:**
1. Maintain minimum 25 ft offset from Normal High Water (Tide). Install Silt Fences as required to Excavate for Foundations North of the 25 ft offset distance.
  2. Excavate to the bottom of footing Elevations, designated on the Plans. After excavating, notify the Engineer so that he can inspect and approve the excavation subgrade prior to the installation of footings (including forms). Do not over-excavate, do not install crushed stone, filter fabric, gravel, concrete fill or other materials except as directed by the Engineer.
  3. Soil Cement Slab Removal. Remove all hardened soil cement slabs within 10 ft of finished floor level (Fin. 20.50 ft) in the Storage Building. Remove the soil cement in way of foundation work, and designated Truck Docking Areas North & South of the Loading Building, as shown on the Plans. Excavate Soil Cement separate from other soils, for recycling.
  4. Clean Soil Cement, uncontaminated by fine or dirty soils, may be crushed and recycled for backfill provided it is clean, and compacted to 93% (with moisture of ASTM D1557 (or approved equal), and that, by gradation testing, generally the specifications for MDOT "Gravel Borrow" (MDOT 703.20). Use as follows:  
 Inside Storage Building: 12 inches below finished Slab (Floor) level.  
 Paved & Traffic Areas: 12 inches below finished pavement  
 Other Areas: 6 inches below finished grade
  5. Subgrade Gravel. Install clean compact gravel that (as a minimum) meets requirements of MDOT "Aggregate for Sub-base, Type D" (MDOT 703.06, T) Compact with moisture control to 95% of ASTM D1557.
  6. Crushed Stone. One inch nominal size, MDOT 703.22 Type B or Type C.
  7. Filter Fabric. Woven or Non-woven "Stabilization" Geotextile (MDOT 722.01).



**SECTION A-A**  
SCALE: 1/8" = 1'-0"  
**BUILDING & FOUNDATION PROFILE**  
(ELEVATION VIEW - LKG E/W)



REV	DATE	BY	DESCRIPTION
1	5/13/02	BCM	UNDERDRAIN LAYOUT & FOOTING

**CIANBRO CORPORATION**  
MERRILL INDUSTRIES, RUBB BUILDING

**GAGNON ENGINEERING INC.**  
198 MAIN STREET  
GORHAM, MAINE 04039

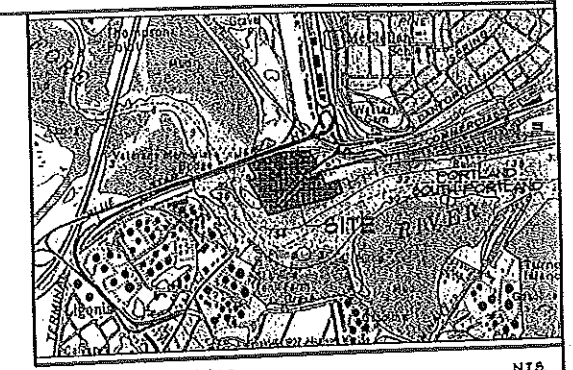


NOTE: UNCERTIFIED (MAINE P.E.) PLANS ARE FOR INFORMATION ONLY.



LIGHTING  
FENCING

(2)



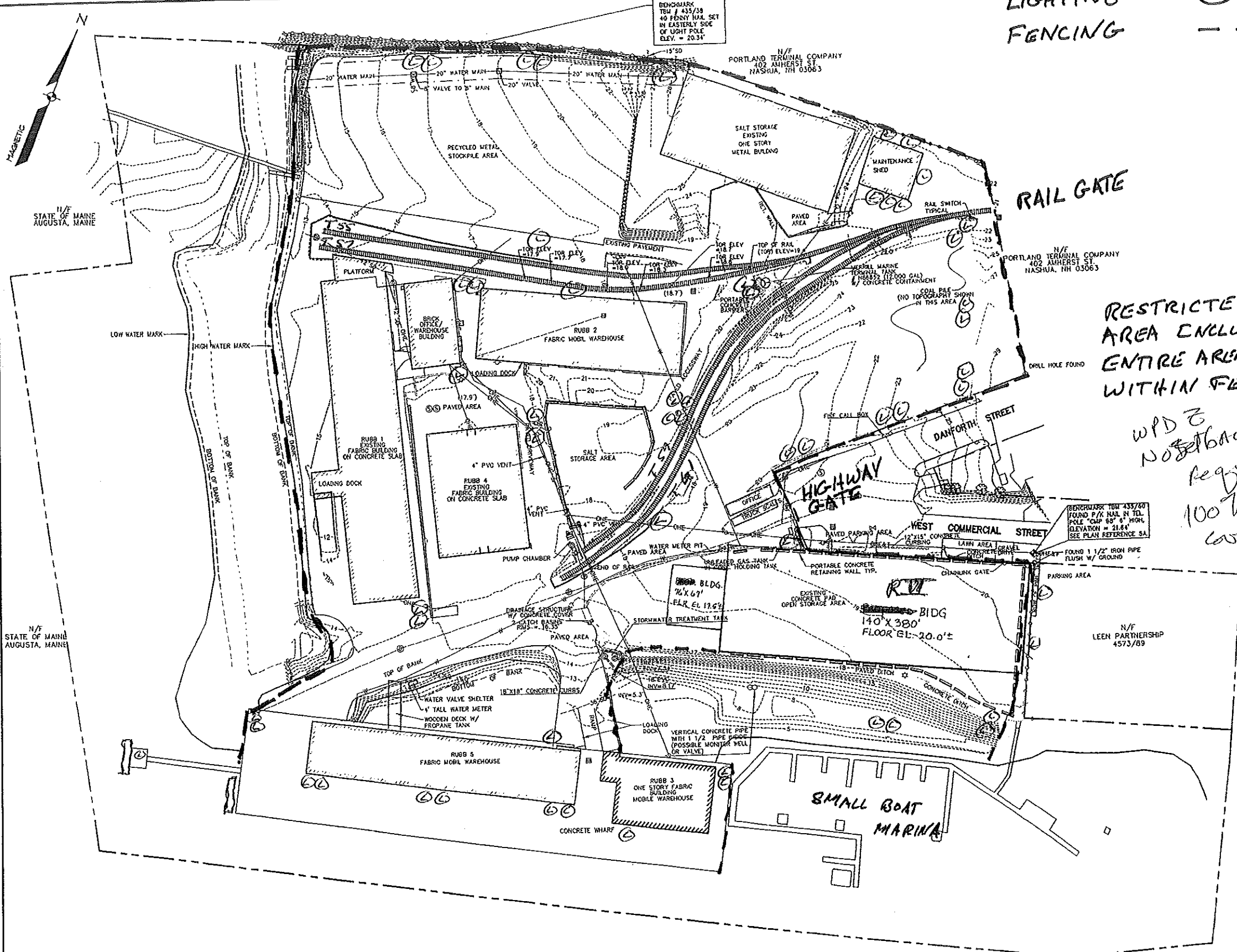
LOCATION MAP

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RESTRICTED  
AREA ENCLOSED  
ENTIRE AREA  
WITHIN FENCE

WPD Z  
NO setbacks  
required  
100% lot  
coverage



PRELIMINARY  
NOT FOR CONSTRUCTION

N/F  
CIAMBRO CORPORATION  
328 WEST COMMERCIAL ST.  
PORTLAND, MAINE 04102

REV.	BY	DATE	STATUS
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B	DTM	11/22/00	MODS REQUESTED BY CLIENT
A	DTM	08-28-00	SUBMITTED TO CLIENT FOR REVIEW

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**FSP**  
33 CFR  
105

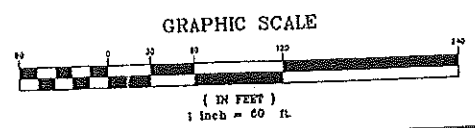
MASTER SITE PLAN  
OF:  
MERRILL'S MARINE TERMINAL  
DANFORTH AND WEST COMMERCIAL STREETS  
PORTLAND, MAINE  
FOR:  
MERRILL INDUSTRIES, INC.  
601A DANFORTH STREET  
PORTLAND, MAINE 04102

DESIGN BY: BRF/DRL  
DRAWN BY: BRF/DRL  
CHECKED BY: DTM  
DATE: 08-24-00  
SCALE: 1"=60'  
FIELD BK: 370&435a  
PROJ NO: 00139  
DRAWING: 00139msp  
SHEET 1 OF 1

**Sebago Technics**  
Engineering & Planning for the Future  
ONE CHABOT STREET  
WESTBROOK, ME 04098-1339  
TEL (207) 856-0277

LEGEND

EXISTING	DESCRIPTION	PROPOSED	EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY/ROW	---	—○—	OVERHEAD ELEC. & TEL.	—○—
▭	BUILDING	▭	⊗	GATE VALVE	⊗
---	EDGE PAVEMENT	---	⊕	UTILITY POLE	⊕
---	GRAVEL ROAD	---	⊙	HYDRANT	⊙
---	CURBLINE	---	⊞	CATCH BASIN	⊞
---	CONTOURS	---	⊚	MANHOLE	⊚
---	8" W. WATER	---	⊚	CULVERT	⊚
---	6" S. SEWER	---	⊚	RAILROAD	⊚
---	12" S. STORM DRAIN	---	⊚	BENCHMARK	⊚



(SEE NOTE 10)  
PORTAL RITES/ PORTLAND HARBOR