

- Area surcharged by a minimum 30-foot height of the steel storage pile
 - Footings - none
 - Floor slab - 1.5 feet

- Areas below the edges of the steel storage pile that may not have been surcharged by a 30-ft height of the storage pile
 - Footings - 1.5 feet
 - Floor slab - 3 feet

- Other areas
 - Footings - 3 feet
 - Floor slab - 5 feet

The controlled fill should be a widely-graded sand and gravel with less than 30% silt and should not contain rubble, clay or organic material. If the existing onsite fill is reused, materials that do not fit this description should be separated out and should only be used outside the structure. The natural silty-clayey fine sand below the existing fill is not suitable for reuse as controlled fill below the structure. The fill should be compacted to at least 92% of the maximum dry density obtained from ASTM method D-1557. If the fill material is highly variable, it may be more appropriate to specify a suitable compaction procedure instead of performing field density testing.

We have assumed that the warehouse building will be heated. If it is not heated, a fill material that is not susceptible to frost heave must be placed within the depth of potential ground freezing below the structure. The freezing depth can be reduced by providing insulation below the floor slab and around the perimeter of the structure.

We recommend an allowable bearing pressure of 2 tsf for footings bearing on a minimum 3-foot thickness of compacted fill. The compacted fill below the footing should have a minimum width equal to the width of the footing plus three feet on each side of the footing. Exterior footings should bear at a minimum depth of 4 feet below exterior grade for frost protection.

For the floor slab design we recommend a Westergaard modulus of subgrade reaction of $k=100$ pounds per cubic inch in accordance with the design criteria in "Slab Thickness for Industrial Concrete Floors on Grade" by the Portland Cement Association. At least 9 inches of Structural Fill meeting the gradation and compaction requirements in Table 1 should be placed immediately below the floor slab. A vapor barrier should be provided below the floor slab and the slab should be provided with suitable joints for crack control.

Mr. P. D. Merrill

-6-

July 8, 2004

Please call David Shields at 781-721-4032 or Mike Yako at 781-721-4043 if you have any questions.

Sincerely,

GEI CONSULTANTS, INC.

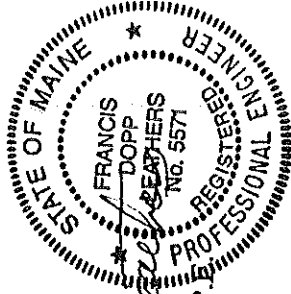
David R. Shields

David R. Shields, P.E.
Senior Technical Consultant

DRS:FDL/π

Attachment

M:\PROJECT\2004\04082\04082-2\Merrill Warehouse Rpr 2.doc



Francis D. Leathers
Francis D. Leathers, P.E.
Principal

Table 1 - Requirements for Structural Fill

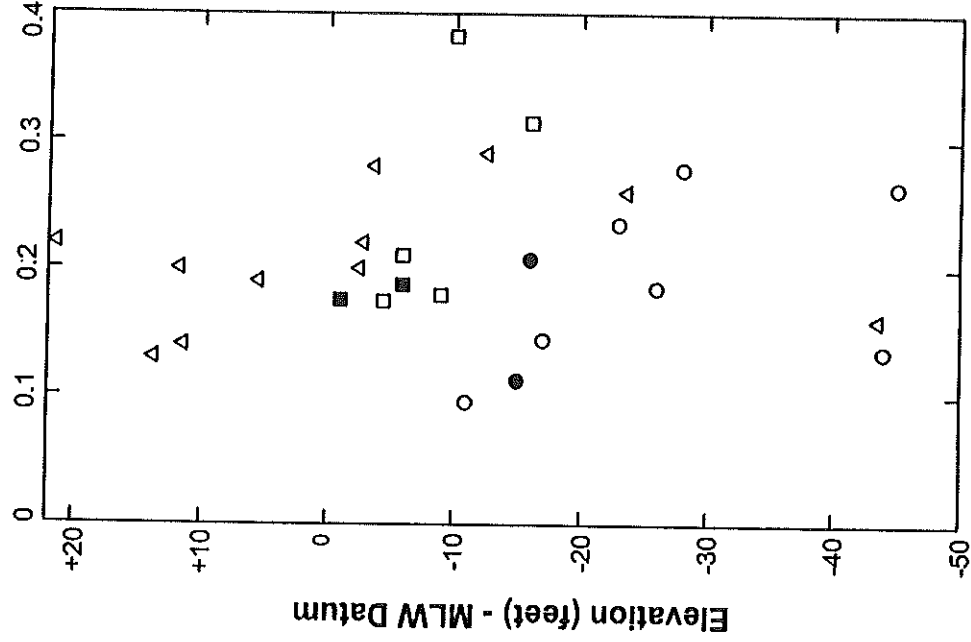
Rubb Warehouse No. 7
Merrill's Marine Terminal
Portland, Maine

Structural Fill shall consist of hard, durable sand and gravel, free of clay, organic matter, surface coatings, and other deleterious materials. Soil finer than the No. 200 sieve (the "fines") shall be nonplastic. Structural Fill shall meet the following gradation requirements:

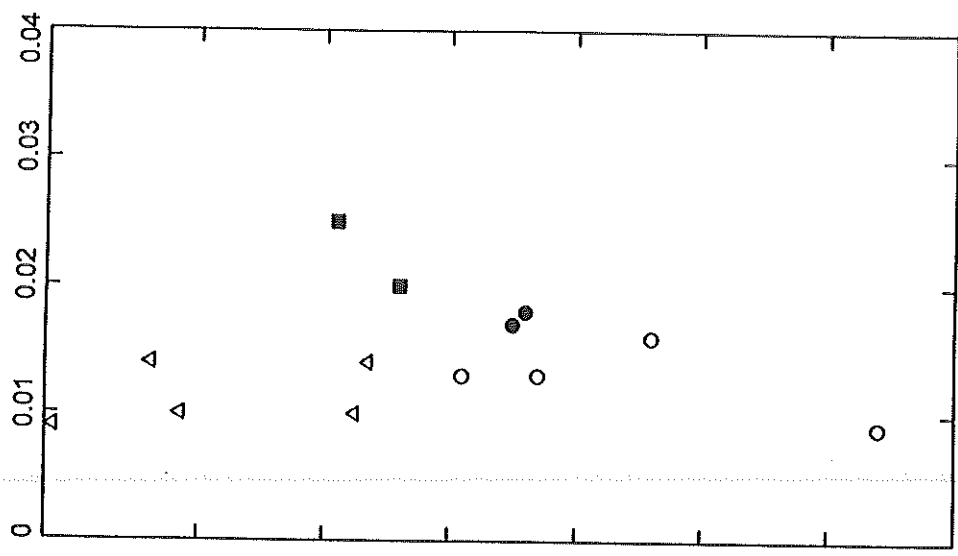
Sieve Size	Percent Passing by Weight
3 Inches	100
½ Inch	50 - 100
No. 4	35-85
No. 16	20 - 65
No. 50	5 - 40
No. 200 (fines)	0 - 8

Structural Fill shall be compacted in maximum 9-inch-thick, loose lifts to at least 95 percent of the maximum dry density determined in accordance with ASTM D1557 (Modified AASHTO Compaction).

Compression Ratio, CR



Recompression Ratio, RR



LEGEND:

- CLAY - MUDFLAT AREAS
- ORGANIC SILT - MUDFLAT AREAS
- △ CLAY - STORAGE AREA NORTH OF TERMINAL
- CLAY - B501 & B502
- ORGANIC SILT - B501

Merrill Marine Terminal
Services, Inc.
Portland, Maine

Rubb Warehouse No. 7
Merrill's Marine Terminal

COMPRESSION INDEX DATA



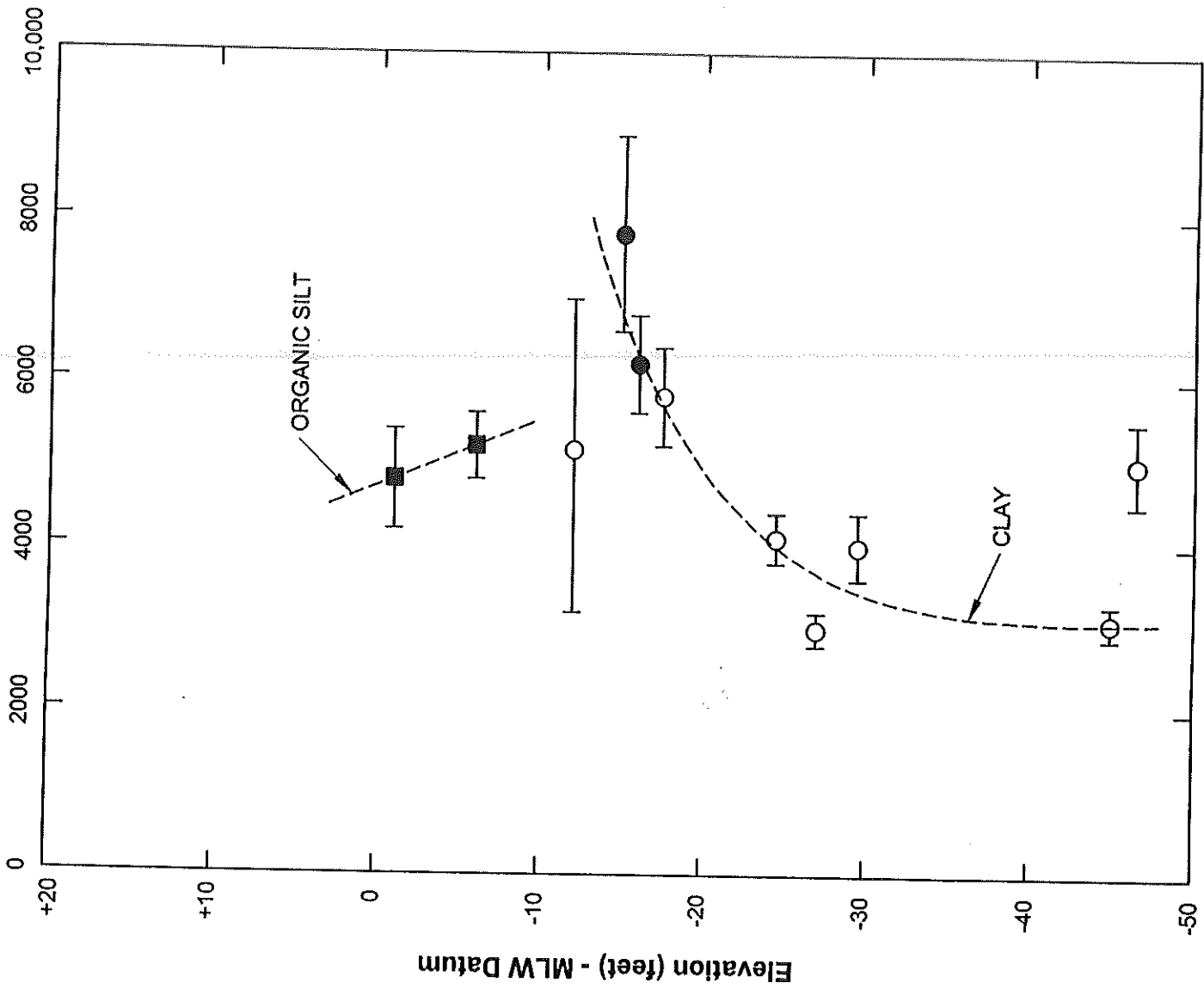
GEI Consultants, Inc.

Project 04082-2

July 2004

Fig. 2

Preconsolidation Pressure, Pp (psf)



LEGEND:

- CLAY - MUDFLAT AREAS
- ORGANIC SILT - B501
- ORGANIC SILT - B502
- ERROR RANGE

Merrill Marine Terminal Services, Inc. Portland, Maine	Rubb Warehouse No. 7 Merrill's Marine Terminal	PRECONSOLIDATION DATA
	Project 04082-2	July 2004
GEI Consultants, Inc.		Fig. 3

GEI Consultants, Inc.
1021 Main Street
Winchester, MA 01890

Project: Rubb VII Warehouse
Merrill's Marine Terminal
Location: S. Portland, ME

Boring No.: B-501





Client: Merrill Marine Terminal Services, Inc.	Boring Location: See Plan	Drilling Method: CW8
Driller: Northeast Diamond Drilling, Inc.	Ground Elevation (ft): 16 (est.)	Auger ID/OD: N/A
Operator: J. O'Leary	Datum: MLW	Casing ID/OD: HW-4.0"/4.5"
Logged By: S. DiBarboto	Total Depth (ft): 49.6	Sampler: 2-1/2" O.D. Split Spoon
Date Start/Finish: 05/06/04-05/07/04	Water Level Depth (ft): NM	Hammer Wt/Fall: 1-40# Donut Hammer/ 30"

ABBREVIATIONS:
 S = Split Spoon Sample
 A = Auger Sample
 U = Thin Wall Tube Sample
 C = Rock Core Sample
 NV/SV = Rock Core Sample
 NA/NM = Not Applicable, not Measured

Legend:
 HSA = Hollow Stem Auger Boring
 SSA = Solid Stem Auger Boring
 CWB = Cased Wash Boring
 Open = Open Hole Boring
 Pen. = Penetration length
 Rec. = Recovery Length

WOC = weight of casing
WOR = weight of rods
WOH = weight of 300lb. hammer
ROD = Rock Quality Designation
CVM = Crippeau Vane Meter
 point = parts per million

Soils:
 S_u = Insitu Field Vane Shear Strength (psf)
 S_u(lab) = Lab Vane Shear Strength (psf)
 S_v = Pocket Torvane Shear Strength (tsf)
 Q_p = Pocket Penetrometer Unconfined Compressive Strength (tsf)

Elevation (ft.)	Casing Blow (ft/l)	Depth (ft.)	Sample No.	Pen/Rec. (in.)	Sample Depth (ft.)	Blows (6 in.) or ROD (%)	Top Elevation (ft.)	Water Level	Graphic Log	USCS Visual Descriptions and Remarks	Layer
-15	34	30	S7	24/24	29.0 - 31.0	WOR-WOR- WOH-3				gray Qp=0.0,0.25 tsf; Sv=2.2,2 tsf. Sv=2 tsf in bottom of U4	CLAY
-20	15	35	U4	24/23	31.0 - 33.0	PUSH	-15.0			S8: LEAN CLAY (CL), medium plasticity, <5% fine sand, gray Qp=0.0,0 tsf; Sv=1.1,1.1 tsf.	
-25	13	40	S9	24/24	34.0 - 36.0	WOH-WOH- WOH-3	-18.0			S9: INTERBEDDED LEAN CLAY (CL) & SILTY SAND (SM), layers of medium plasticity clay, layers of fine sand with 15% nonplastic silt, gray Qp=0 tsf; Sv=2 tsf.	CLAY AND SAND
-30	16	45	S10	24/22	44.0 - 46.0	3-12-13-29	-23.0			S10A (0-3'): LEAN CLAY (CL), medium plasticity, gray 44.3 FEET/ EL -23.3 FEET S10B (3-14'): CLAYEY SAND (SC), fine, low plasticity, gray 45.3 FEET/ EL -29.3 FEET	SAND TILL
-35	19	50	S11	5/3	49.2 - 49.6	64/5"	-33.2 -33.6			S10C (14-22'): CLAYEY SAND & GRAVEL (SC-GC), 40% fine to coarse sand, 35% gravel, 25% medium plasticity clay, dark gray (TILL) S11: Similar to S10C. BOTTOM OF BOREHOLE, 49.6 FEET/ EL -33.6 FEET.	

Remarks:

GEI Consultants, Inc.

1021 Main Street
Winchester, MA 01890

Project: Rubb VII Warehouse
Merrill's Marine Terminal

Boring
No.:

B-502

Location: S. Portland, ME

Client:	Merrill Marine Terminal Services, Inc.	Boring Location:	See Plan	Drilling Method:	CWB
Driller:	Northeast Diamond Drilling, Inc.	Ground Elevation (ft):	19 (est.)	Auger ID/OD:	N/A
Operator:	J. O'Leary	Datum:	MLW	Casing ID/OD:	HW 4.0"/4.5"
Logged By:	S. DiBarolo	Total Depth (ft):	72.4	Sampler:	2-1/2" O.D. Split Spoon
Date Start/Finish:	05/05/04-05/06/04	Water Level Depth (ft):	2.9	Hammer Wt./Fall:	140# Donut Hammer/ 30"

ABBREVIATIONS:
 S = Split Spoon Sample
 A = Auger Sample
 U = Thin Wall Tube Sample
 C = Rock Core Sample
 NV, BV = Rock Coring
 NA, NM = not applicable, not measured
 Rec. = Recovery Length
 HSA = Hollow Stem Auger Boring
 SSA = Solid Stem Auger Boring
 CWB = Cased Wash Boring
 Open = Open Hole Boring
 Pen. = Penetration length
 NA, NM = not applicable, not measured
 Rec. = Recovery Length
 WOC = weight of casing
 WOR = weight of rods
 WOH = weight of 300lb. hammer
 ROD = Rock Quality Designation
 OVM = Organic Vapor Meter
 ppm = parts per million
 Su = In situ Field Vane Shear Strength (psf)
 Su(1ab) = Lab Vane Shear Strength (psf)
 Sv = Pocket Torvane Shear Strength (tsf)
 Cp = Pocket Penetrometer Unconfined Compressive Strength (tsf)

Elevation (ft.)	Casing Blow (ft.)	Depth (ft.)	Sample No.	Pen/Rec. (in.)	Sample Depth (ft.)	Blows (6 in.) or ROD (%)	Top Elevation (ft.)	Water Level	USCS Visual Descriptions and Remarks	Layer
0	PUSH	0								
	PUSH									
15	38	38	S1	24/15	1.5 - 3.5	9-14-16-12	17.5		CONCRETE PAD 0.0 FEET/ EL. 19.0 FEET	CONCRETE FILL
	32								S1: WIDELY GRADED SAND (SW), fine to coarse, 5% nonplastic silt, 5% fine gravel, brown (FILL)	
	8	8	S2	24/8	4.0 - 6.0	7-13-14-6	15.0		S2: WIDELY GRADED SAND (SW), fine to coarse, 15% gravel, <5% nonplastic silt brown (FILL)	
10	24	24								
	12									
	17									
5	7	10	S3	24/6	9.0 - 11.0	4-3-2-3	10.0		S3: NARROWLY GRADED SAND (SP), medium to coarse, 5% fine gravel, <5% nonplastic silt, brown (FILL)	
	12									
	19									
	20									
0	5	5	S4	24/12	13.5 - 15.5	8-8-9-9	5.5		S4: NARROWLY GRADED SAND (SP), fine sand, 5% fine gravel, root fibers, trace brick, brown & gray (FILL)	SANDY CLAY
	7									
	5		S5	24/18	16.0 - 18.0	4-4-3-3	3.0		S5: SANDY LEAN CLAY (CL), low plasticity, 30% interbedded fine sand layers, gray Qp=0.5,0.25,0.0 tsf; Sv=3.0,2.0,2.0 tsf	
	7		U1	24/24	18.0 - 20.0	PUSH	1.0		Qp=0.5,0.75 tsf; Sv=2.5 tsf in bottom of U1	
0	12	20	S6	24/17	20.0 - 22.0	5-5-5-3	-1.0		S6: INTERBEDDED NARROWLY GRADED SAND (SP) & LEAN CLAY (CL), interbedded layers of low plasticity clay and fine sand, gray Qp=0.0,0.25 tsf; Sv=2.5,3.5 tsf	
	16									
	12									
	11									
	11									
-5	15	25	S7	24/24	24.0 - 26.0	WOR-WOR-WOR-WOH	-5.0		S7: LEAN CLAY (CL), low plasticity, pockets of organic material, dark gray Qp=0.25,0.0 tsf; Sv=2.0,5.0,5.0 tsf	
	15									
	12		U2	24/24	26.0 - 28.0	PUSH	-7.0		Qp=0.25,0.25 tsf; Sv=2.5 tsf in bottom of U2	
	11									
	13									
-10	18									

Remarks:
 Water level measured @ 0730hrs on 5/6/04.

GEI Consultants, Inc.

1021 Main Street
Winchester, MA 01890

Project: Rubb VII Warehouse
Merrill's Marine Terminal

Location: S. Portland, ME

Boring No.: B-502

Client: Merrill Marine Terminal Services, Inc.	Boring Location: See Plan	Drilling Method: CWB
Driller: Northeast Diamond Drilling, Inc.	Ground Elevation (ft): 19 (est.)	Auger ID/OD: N/A
Operator: J. O'Leary	Datum: MLW	Casing ID/OD: HW 4.07/4.5"
Logged By: S. DiBartolo	Total Depth (ft): 72.4	Sampler: 2-1/2" O.D. Split Spoon
Date Start/Finish: 05/05/04-05/06/04	Water Level Depth (ft): 2.9	Hammer Wt./Fall: 140# Donut Hammer 30"

ABBREVIATIONS:

- S = Split Spoon Sample
- A = Auger Sample
- U = Thin Wall Tube Sample
- C = Rock Core Sample
- NV.BV = Rock Coring
- NA.NM = not Applicable, not Measured

- HSA = Hollow Stem Auger Boring
- SSA = Solid Stem Auger Boring
- CWB = Cased Wash Boring
- Open = Open Hole Boring
- Pen = Penetration length
- Rec. = Recovery Length

- WOC = weight of casing
- WOR = weight of rods
- WCH = weight of 300lb. hammer
- RQD = Rock Quality Designation
- OVM = Organic Vapor Meter
- ppm = parts per million

- S_u = In situ Field Vane Shear Strength (psf)
- S_{u(lab)} = Lab Vane Shear Strength (psf)
- S_v = Pocket Torvane Shear Strength (tsf)
- Q_p = Pocket Penetrometer Unconfined Compressive Strength (tsf)

Elevation (ft.)	Casing Blow (ft.)	Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Information			Blows (6 in.) Drill Times (min)	or RQD (%)	Top Elevation (ft.)	Water Level	USCS Visual Descriptions and Remarks	Layer
					Sample Depth (ft.)	Blows (6 in.)	Drill Times (min)						
-15	18	-30											
	19												
	20												
	28		U3	24/23	33.0 - 35.0	PUSH			-14.0				
	22	-35											
	24		S8	24/21	35.0 - 37.0	3-4-11-19			-16.0				
	34												
	46												
	65												
	85	-40											
	81												
	87												
	70		S9	24/9	42.0 - 44.0	47-20-20-21			-23.0				
	65												
	67	-45											
	83												
	77												
	75												
	67												
	26	-50	S10	24/24	49.0 - 51.0	3-2-4-5			-30.0				
	28												
	49		U4	24/22	51.0 - 53.0	PUSH			-32.0				
	60												
	54												
	50	-55											
	52												
	50												
	51												
	45												
	62	-40							-40.0				

Remarks:

Water level measured @ 0730hrs on 5/6/04.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

GEI Consultants, Inc.

1021 Main Street
Winchester, MA 01890

Project: Rubb VII Warehouse
Merrill's Marine Terminal

Boring No.: B-502

Client: Merrill Marine Terminal Services, Inc.
Driller: Northeast Diamond Drilling, Inc.
Operator: J. O'Leary
Location: S. Portland, ME
Boring Location: See Plan
Ground Elevation (ft): 19 (est.)
Datum: MLW
Total Depth (ft): 72.4
Water Level Depth (ft): 2.9

Drilling Method: CWB
Auger ID/OD: N/A
Casing ID/OD: HW 4.0"/4.5"
Sampler: 2-1/2" O.D. Split Spoon
Hammer WL/Fall: 140# Donut Hammer/ 30"

Date Start/Finish: 05/05/04-05/06/04

ABBREVIATIONS:

- S = Split Spoon Sample
- A = Auger Sample
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- HSA = Hollow Stem Auger Boring
- SSA = Solid Stem Auger Boring
- CWB = Cased Wash Boring
- Open = Open Hole Boring
- Pen. = Penetration length
- Rec. = Recovery Length

- WOC = weight of casing
- WOR = weight of rods
- WOH = weight of 300lb. hammer
- RCD = Rock Quality Designation
- OVW = Organic Vapor Meter
- ppm = parts per million

- S_u = In situ Field Vane Shear Strength (psf)
- S_{u(lab)} = Lab Vane Shear Strength (psf)
- S_v = Pocket Torvane Shear Strength (tsf)
- Q_p = Pocket Penetrometer Unconfined Compressive Strength (tsf)

Elevation (ft.)	Casing Blow (ft/l)	Depth (ft.)	Sample No.	Pen./Rec. (ft.)	Sample Depth (ft.)	Blows (6 in) or RCD (%)	Top Elevation (ft)	Water Level	Graphic Log	USCS Visual Descriptions and Remarks	Layer
-60	55	60	S11	24/24	59.0 - 61.0	6-6-1-3					
-65	35						-42.0				
-65	4		U5	24/0	61.0 - 63.0	PUSH					
-65	59	65	S12	24/24	64.0 - 66.0	9-9-7-7	-45.0				
-70											
-75			S13	17/17	71.0 - 72.4	WOH-2-50/5"	-52.0				
-75											
-80											
-85											
-70											

Remarks:

Water level measured @ 0730hrs on 5/6/04.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

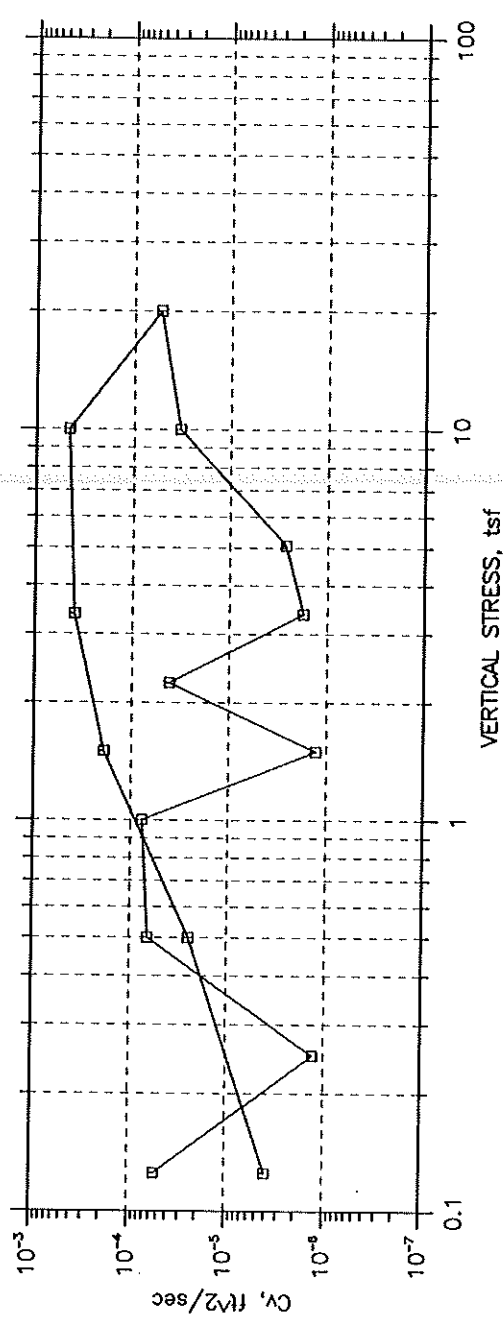
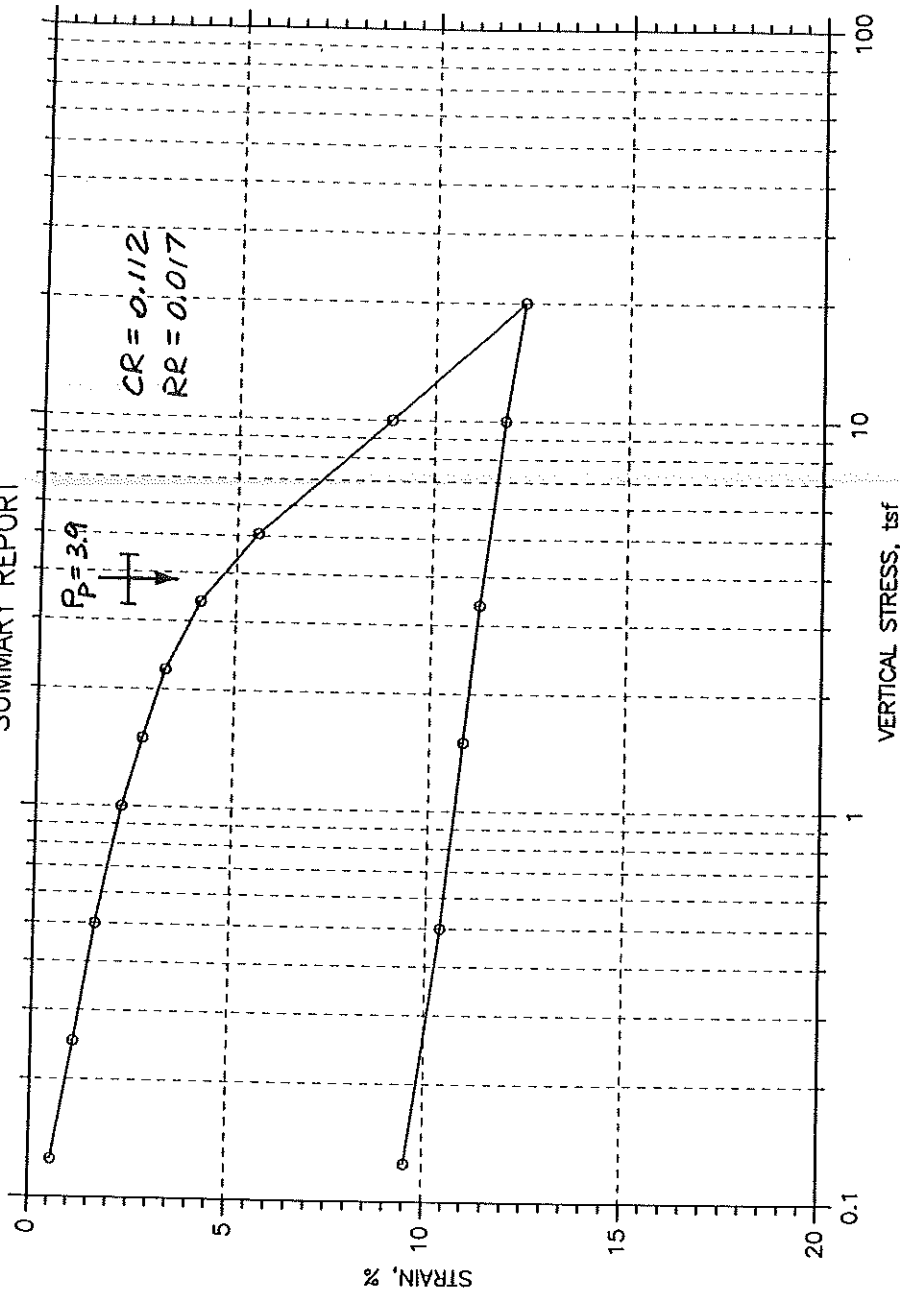
*Water level readings have been made at times and under conditions other than those present at the time measurements were made.

Appendix B

Consolidation Tests

Appendix B
Consolidation Tests

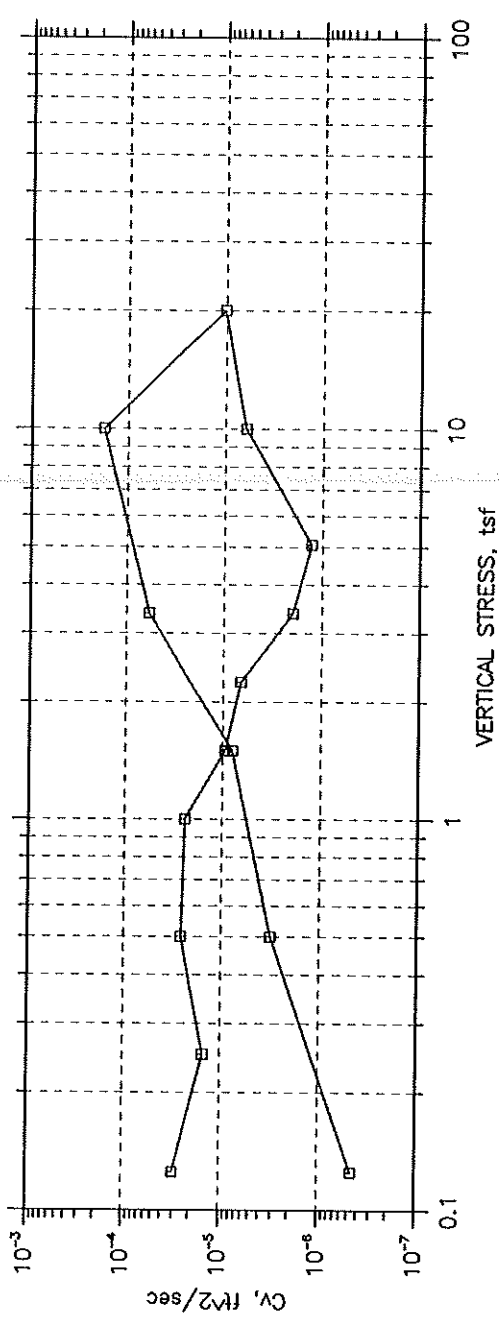
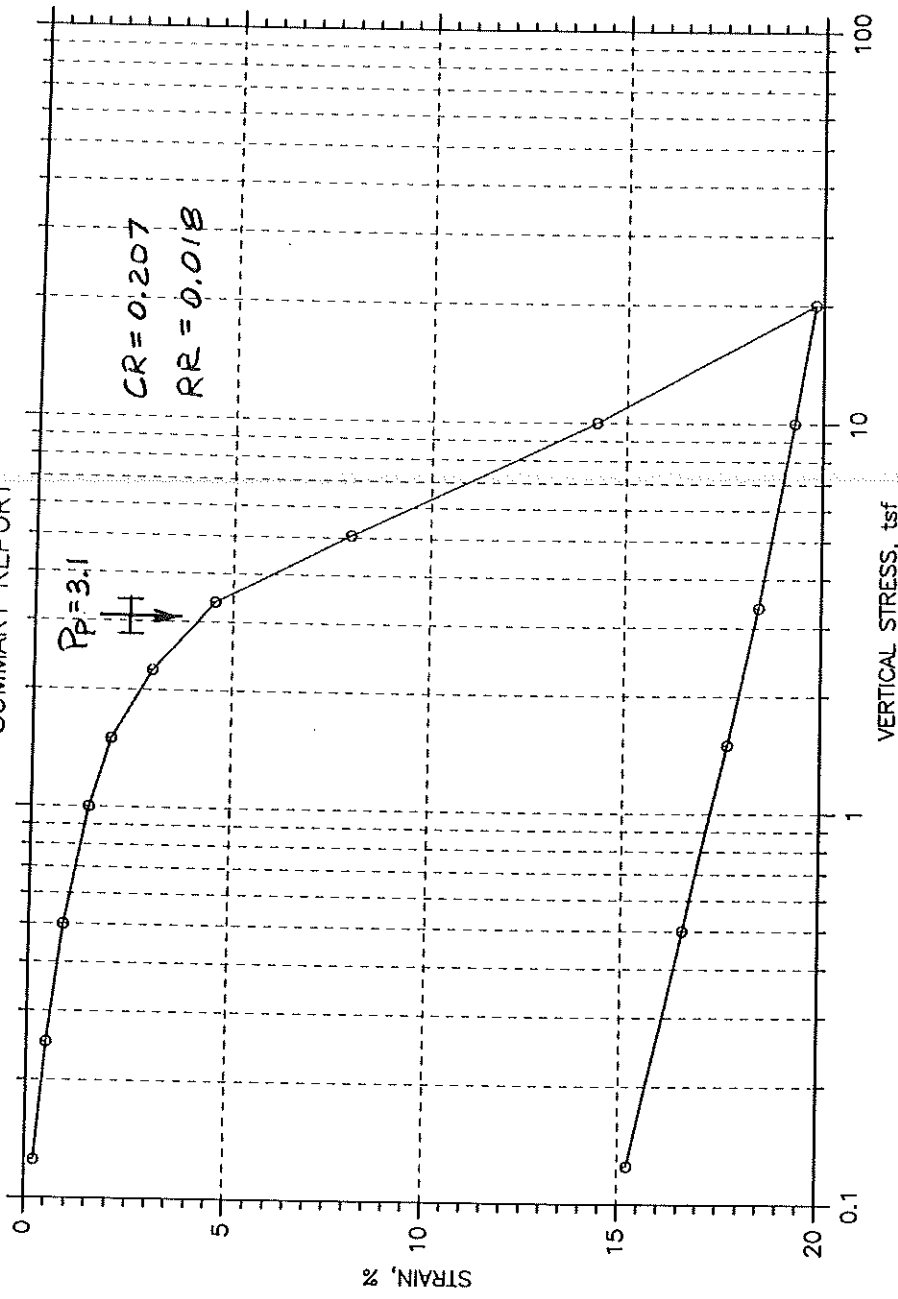
CONSOLIDATION TEST DATA SUMMARY REPORT



Project: Merrill Marine Terminal	Location: RUBB VII Warehouse	Project No.: 04082-2
Boring No.: B-502	Tested By: D. Aghjayan	Checked By:
Sample No.: U3	Test Date: 05/14/04	Depth: 33.4 ft
Test No.: C2	Sample Type: Tube	Elevation: -14.4
Description: Lean CLAY, some fine sand, dark gray		
Remarks: <i>Initial water content = 22.4%</i>		

CONSOLIDATION TEST DATA

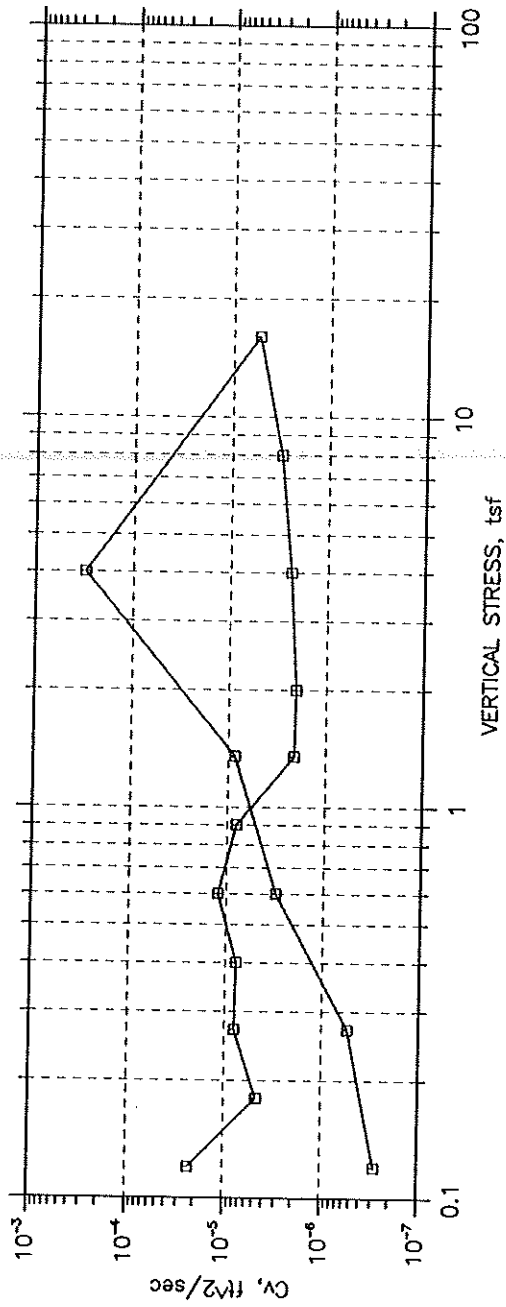
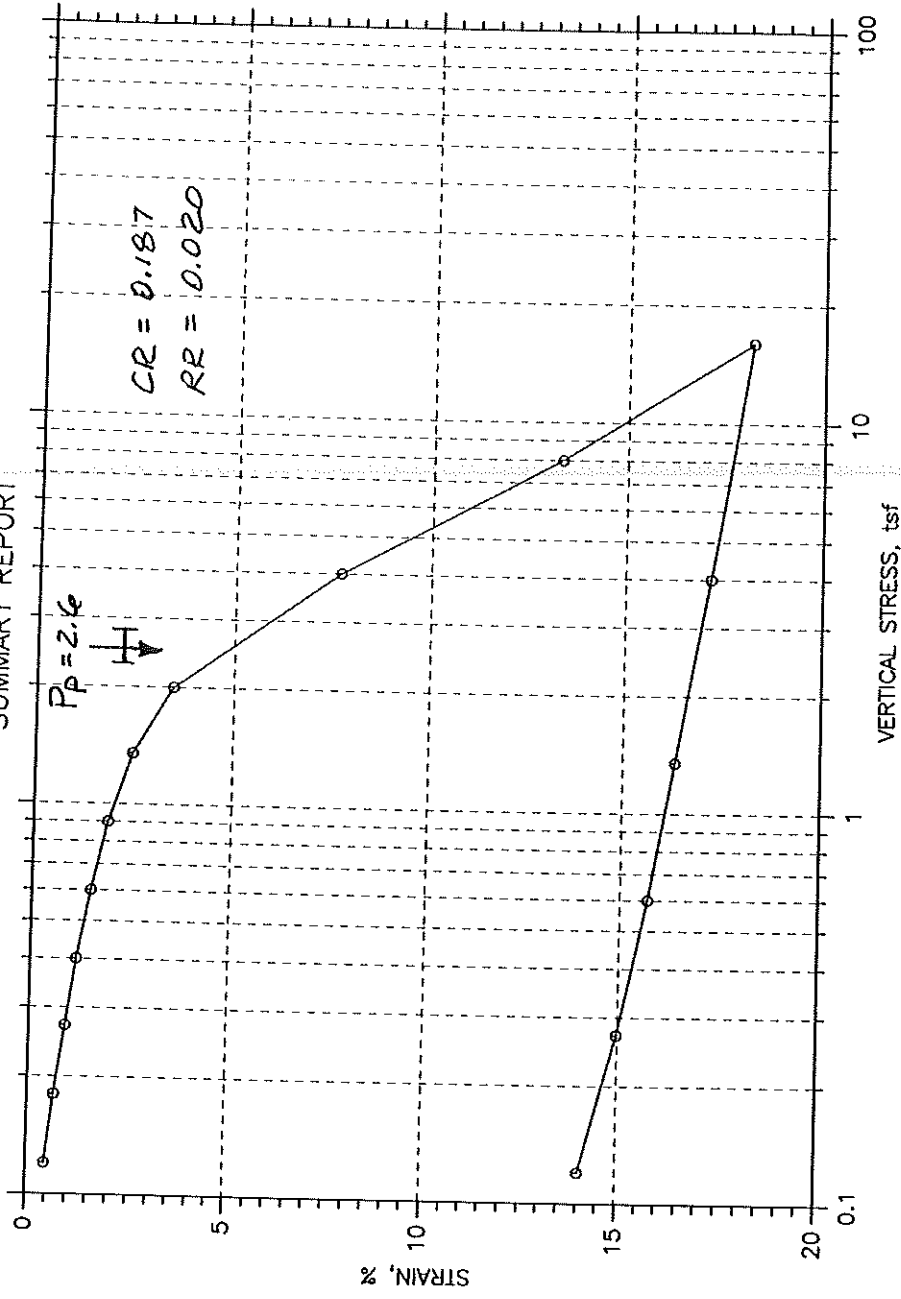
SUMMARY REPORT



Project: Merrill Marine Terminal	Location: RUBB VII Warehouse	Project No.: 04082-2
Boring No.: B-501	Tested By: C. Wheeler	Checked By:
Sample No.: U4	Test Date: 05/18/04	Depth: 32.4 ft
Test No.: C3	Sample Type: Tube	Elevation: -16.4
Description: Lean gray CLAY		
Remarks: <i>Initial water content = 35.21 %</i>		

CONSOLIDATION TEST DATA

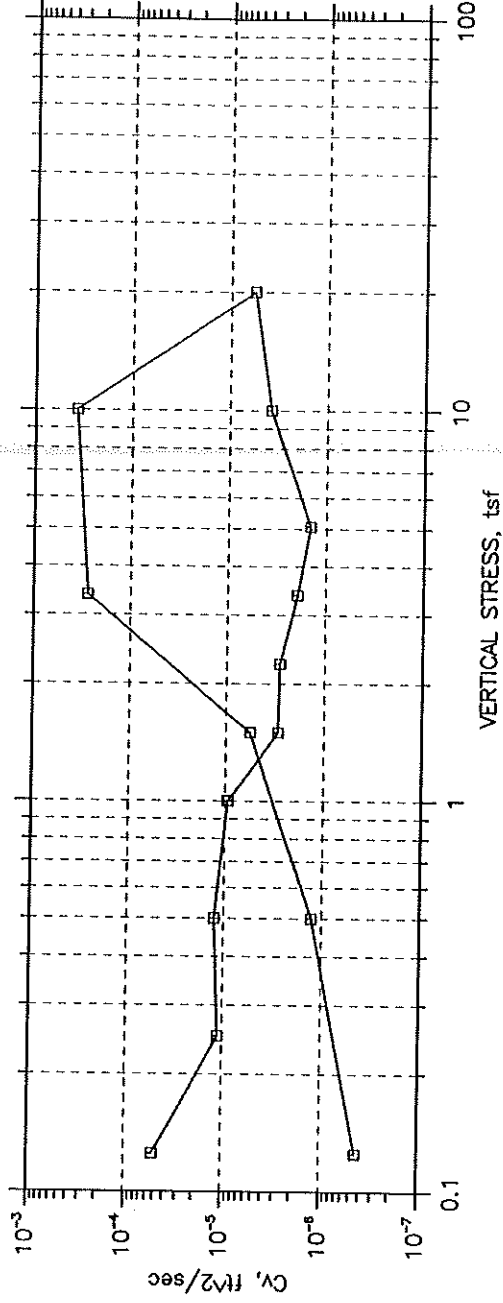
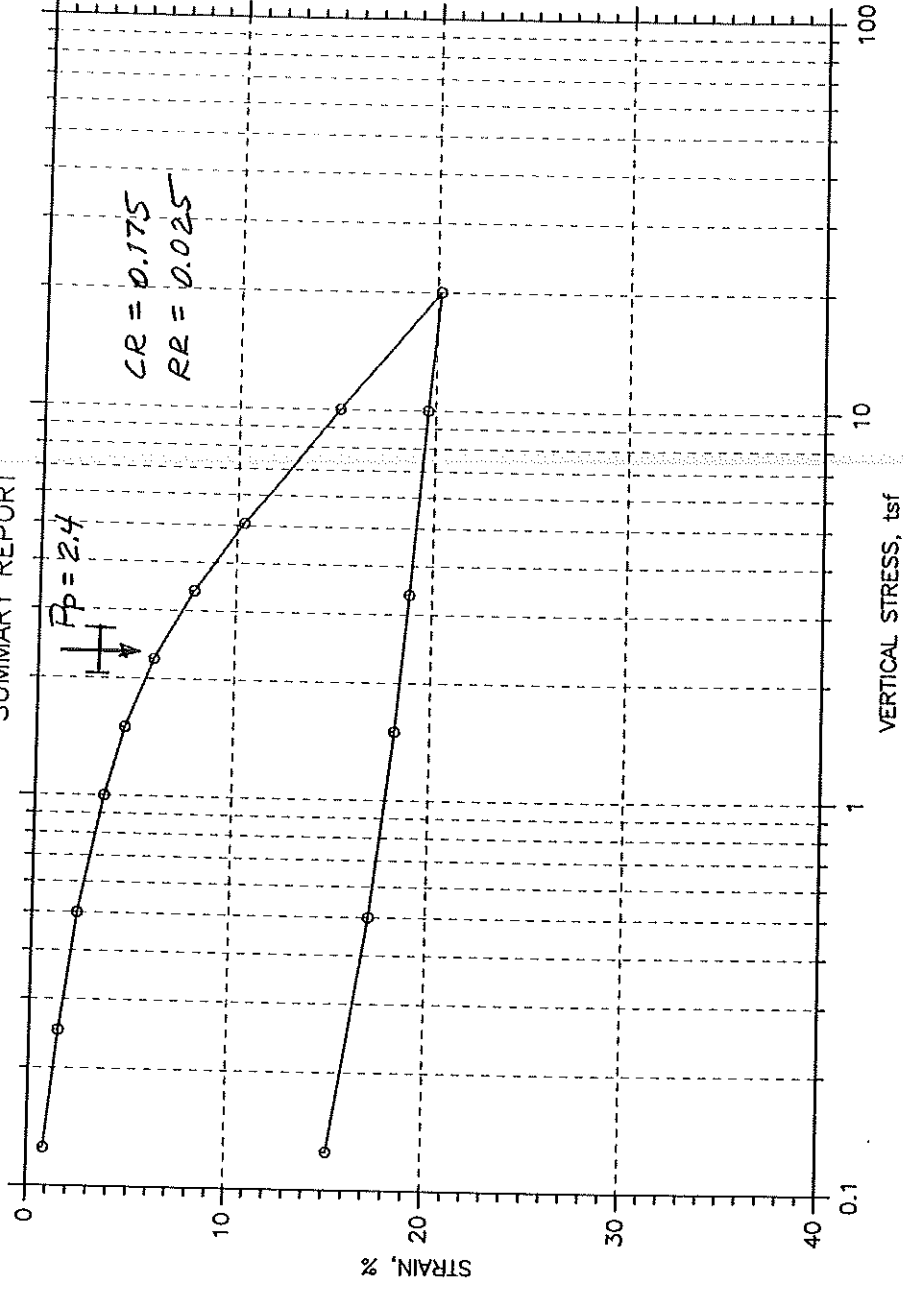
SUMMARY REPORT



Project: Merrill Marine Terminal	Location: RUBB VII Warehouse	Project No.: 04082-2
Boring No.: B-501	Tested By: D. Agrijayan	Checked By:
Sample No.: U2	Test Date: 05/19/04	Depth: 21.7 ft
Test No.: C4	Sample Type: Tube	Elevation: -5.7
Description: Organic SILT, trace fine sand, dark gray		
Remarks: <i>Initial water content = 31.33 %</i>		

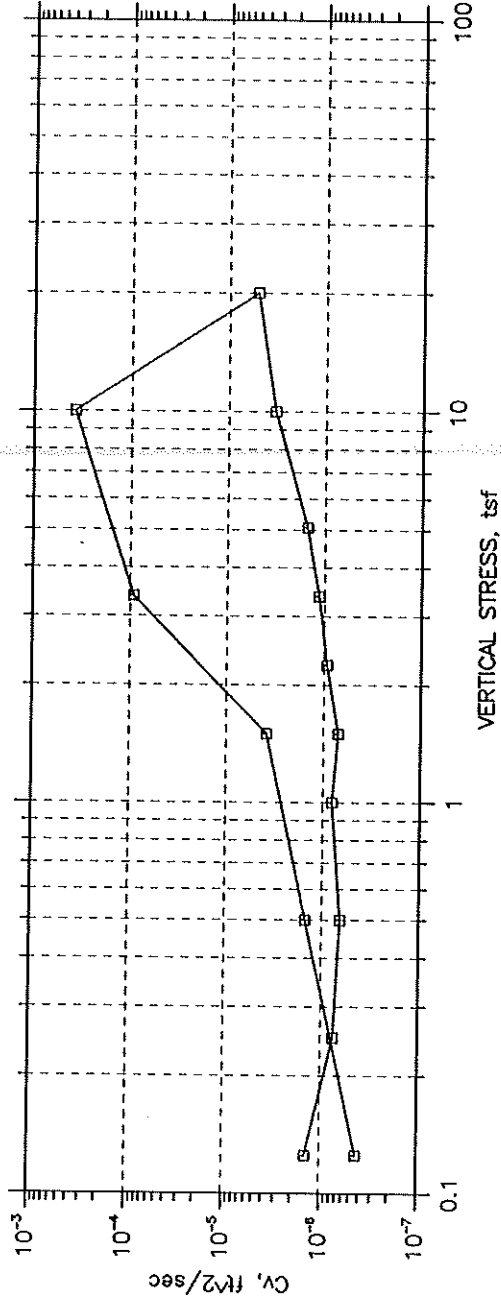
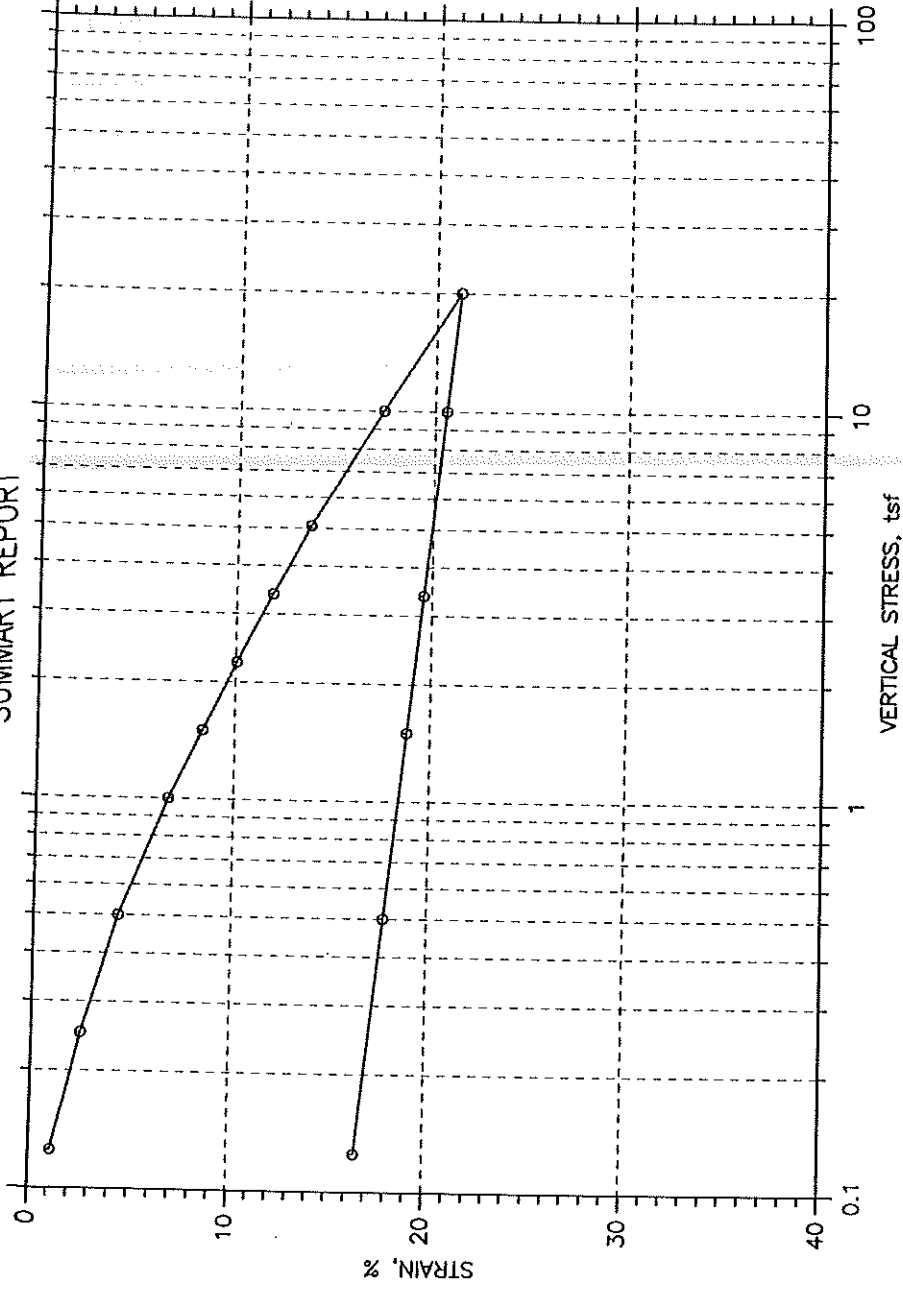
CONSOLIDATION TEST DATA

SUMMARY REPORT



Project: Merrill Marine Terminal	Location: RUBB VII Warehouse	Project No.: 04082-2
Boring No.: B-501	Tested By: D. Aghjayan	Checked By:
Sample No.: U1	Test Date: 05/24/04	Depth: 16.7 ft
Test No.: C5	Sample Type: Tube	Elevation: -0.7
Description: Organic SILT, trace fine sand, dark gray		
Remarks: <i>Initial water content = 33.30 %</i>		

CONSOLIDATION TEST DATA SUMMARY REPORT



Project: Merrill Marine Terminal	Location: RUBB VII Warehouse	Project No.: 04082-2
Boring No.: B-502	Tested By: D. Aghjayan	Checked By:
Sample No.: U4	Test Date: 05/17/04	Depth: 51.7 ft
Test No.: C1	Sample Type: Tube	Elevation: -32.7 ft
Description: Lean Silty CLAY, gray		
Remarks: Tube cutting edge damaged. Specimen appeared to be disturbed.		
<i>Initial water content = 33.85%</i>		

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read
Application And
Notes, if Any,
Attached

BUILDING INSPECTION PERMIT

This is to certify that MERRILL INDUSTRIES II Owner
has permission to install a new 54' x 8' sign
AT 601 DANFORTH ST

PERMIT ISSUED

Permit Number: 051352
OCT 21 2005

CITY OF PORTLAND

072-A003001

provided that the person or persons
of the provisions of the Statutes of
the construction, maintenance and
this department.

Apply to Public Works for street line
and grade if nature of work requires
such information.

Inspection must be made
when permit is issued or
before work is started. If
work is to be done in a
public place, a permit is
required. If work is to be
done in a private place,
a permit is not required.

A certificate of occupancy must
be procured by owner before this
building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. _____
Health Dept. _____
Appeal Board _____
Other _____

Department Name

Director - Building & Inspection Services

[Signature]
10/21/05

PENALTY FOR REMOVING THIS CARD

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



Permit No: 05-1352 Issue Date: 072 A003001

Location of Construction: 601 DANFORTH ST
 Business Name: MERRILL INDUSTRIES INC
 Lessee/Buyer's Name: Owner
 Phone: 601 DANFORTH ST
 Contractor Name: Contractor Address: Phone
 Permit Type: Signs - Permanent Zone: 03D7

Past Use: Commercial/ Merrill IND
 Proposed Use: Commercial/ install a new 54' x 8' sign
 Permit Fee: \$894.00 Cost of Work: \$894.00 CEO District: 3

FIRE DEPT: Approved Denied
 INSPECTION: Use Group: U Type: Sign
 Signature: N/A IBC 2003

Signature: PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)
 Action: Approved Approved w/Conditions Denied
 Signature: Date:

Permit Taken By: Idobson Date Applied For: 09/16/2005

Zoning Approval

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: 10/03/05	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
---	---	--

- 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.

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 _____ PHONE _____
 DATE _____
 RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ DATE _____ PHONE _____

City of Portland, Maine - Building or Use Permit

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

Location of Construction:		Permit No: 05-1352	Date Applied For: 09/16/2005	CBL: 072 A003001
601 DANFORTH ST	Owner Name: MERRILL INDUSTRIES INC	Owner Address: 601 DANFORTH ST		
Business Name:	Contractor Name:	Contractor Address:		
Lessee/Buyer's Name	Owner	Permit Type: Signs - Permanent		
	Phone:	Phone:		
Proposed Use:	Proposed Project Description:			
Commercial/ install a new 54' x 8' sign	install a new 54' x 8' sign			
Dept: Zoning	Status: Approved with Conditions	Reviewer: Ann Machado	Approval Date: 10/03/2005	Ok to Issue: <input checked="" type="checkbox"/>
Note:	1) It is our understanding that the new sign is replacing the old sign which will be taken down.			
Dept: Building	Status: Approved with Conditions	Reviewer: Tammy Munson	Approval Date: 10/21/2005	Ok to Issue: <input checked="" type="checkbox"/>
Note:	1) Signage Installation to comply with Chapter 31 of the IBC 2003 building code.			



TELEFAX

COMPANY:	City of Portland / Inspection Office
ATTN:	Ms. Tammy Munson
FROM:	Jim Chadbourne
FAX NO:	1-207-874-8716
NO. SHEETS:	6
REF:	Merrill Marine Sign Permit Application
DATE:	October 20, 2005

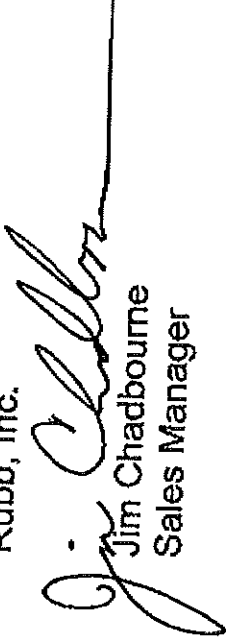
RUBB INC.
 One Rubb Lane
 P.O. Box 711
 Sanford, ME 04073
 Tel: (207) 324-2877
 Fax: (207) 324-2347
 E-mail:
 jchadbourne@rubbusa.com

Dear Tammy,

It was nice speaking with you this afternoon regarding the proposed sign for Merrill's Marine Terminal. As we discussed, the sign material is a thin film and the attachment method is actually a peel and stick application. In essence, it is an applied logo to the building's sidewall cladding.

I have sent all the test material from 3M that pertains to the Scotchcal 220 material. The pertinent flammability data can be found on page 4 of the document. Should you have any questions, please feel free to contact me at 1-207-324-2877.

Best regards,
Rubb, Inc.


 Jim Chadbourne
 Sales Manager

Cc: P.D. Merrill



3M[™] Scotchcal[™] Film Series 220

Product Bulletin 220

Release H, Effective June, 2001

Black bar in margin indicates a change

Description

Advantages

- Designed for electronic cutting
- Gerber EDGE READY[™]
- Durable, dimensionally-stable, cast vinyl film
- Withstands severe weather and handling conditions
- Wide range of glossy colors
- 3M[™] Scotchcal[™] Film 220-114 (clear) is enamel paint receptive
- Matte finish available in white, black, red and blue
- Clear, pressure sensitive adhesive

Applications and End Uses

Film series 220 is a custom-formulated, cast vinyl film. It is available exclusively through Gerber Scientific Products and its network of distributors worldwide. This film is intended for making permanent, durable graphics when used with the listed Compatible Products in the following applications. These applications are warranted by the 3M[™] MCS[™] Warranty.

- Pre-spaced, electronically-cut graphics
- Commercial and industrial applications, including emblems, vehicle graphics, labels, striping, general signage, two way signage
- Graphics applied to flat surfaces with and without rivets, or simple curved surfaces

Limitations of End Uses

We do not normally warrant other applications, but please contact us to discuss your needs or let us suggest other 3M products.

Specifically, we do not warrant this film for the following:

- Application to corrugated surfaces or surfaces with compound curves
- Markings subjected to gasoline vapors or spills
- Backlit signage (use 3M[™] Scotchcal[™] Translucent Film Series 230 instead)
- Thermoforming
- Graphics made for automotive Original Equipment Manufacturers (OEM); contact 3M Automotive Division 444 4th 4891-828-008 for alternatives

Compatible Products

- 3M[™] Panaflex[™] Awning and Sign Facing Series 945 GPS
- 3M[™] Panaflex[™] Enhanced Image Sign Facing Series 645EI

Product Line

This information is subject to change. Be sure this is the most current Product Bulletin. See 3M Related Literature at the end of this bulletin.

Property	Description
Film	2 mil, opaque (except 220-114) cast vinyl
Colors	See page 2
Thickness (film and adhesive)	2.5 to 3.5 mil (0.063 to 0.09 mm)
Adhesive	Clear, pressure sensitive
Liner	78 pound white kraft liner
Minimum application temperature	40°F (4°C)
Application surfaces	For flat surfaces with and without rivets, or simple curved surfaces
Application substrates	Flexible signage, glass, metal, acrylic, polycarbonate, fiberglass, painted surfaces
Removability	Permanent

Note: Films with clear adhesive have less hiding power, which should be considered when selecting and preparing a substrate.

Colors		
220-10	White	
220-11	Pearl Gray	
220-12	Black	
220-13	Tomato Red	
220-14	Bright Orange	
220-15	Bright Yellow	
220-17	Vivid Blue	
220-19	Deep Mahogany Brown	
220-20	Matte White	
220-21	Palm Oyster	
220-22	Matte Black	
220-24	Terra Cotta	
220-25	Sunflower	
220-27	Navy	
220-29	Russet Brown	
220-31	Medium Gray	
220-37	Sapphire Blue	
220-38	Royal Purple	
220-39	Tan	
220-41	Dark Gray	
220-46	Kelly Green	
220-47	Intense Blue	
220-48	Purple	
220-49	Beige	
220-53	Cardinal Red	
220-55	Light Orange	
220-56	Dark Green	
220-57	Olympic Blue	
220-58	Burgundy	
220-63	Geranium	
220-64	Apricot	
220-66	Forest Green	
220-68	Dark Burgundy	
220-69	Duranodic	
220-77	Peacock Blue	
220-86	Robin Egg Blue	
220-87	Royal Blue	
220-88	Violet	
220-89	Sandstone	
220-90	Antique White	
220-94	Coral	
220-96	Teal	
220-98	Dark Violet	
220-99	Fawn	
220-100	Oyster	
220-101	Nimbus Gray	
220-103	Magenta	
220-104	Dark Coral	
220-105	Imitation Gold	
220-114	Clear Enamel Receptive	
220-130	Eggshell	
220-133	Raspberry	
220-134	Intense Orange	
220-135	Primrose Yellow	
220-138	Pale Lavender	
220-139	Saddle Brown	
220-145	Chrome Yellow	
220-151	Traffic Gray	
220-163	Dark Magenta	
220-173	Salmon Pink	
220-176	Aqua	
220-177	Shadow Blue	
220-186	Bright Green	
220-187	Wedgewood Blue	
220-193	Maize	
220-196	Apple Green	
220-197	Light Navy	
220-223	Matte Red	
220-253	Warm Red	
220-263	Perfect March Red	
220-266	Cactus Green	
220-275	Process Magenta	
220-276	Bottle Green	
220-283	Cranberry	
220-286	Jade Green	
220-293	Atomic Red	
220-296	Eucalyptus	
220-307	Dark Aqua	
220-347	Powder Blue	
220-357	Bermuda Blue	
220-367	Celestial Blue	
220-377	Blue Bird	
220-387	Periwinkle	
220-397	Dark Blue	
220-407	Matte Blue	
220-417	Sky Blue	
Metallic Colors		
220-120	Silver	
220-131	Gold	
220-201	Slate	
220-206	Fine Green	
220-208	Burgundy	
220-209	Dark Brown	
220-211	Charcoal	
220-216	Sage Green	
220-217	Dark Blue	
220-218	Light Rose	
220-227	Bright Blue	
220-229	Copper	
220-231	Light Gold	
220-237	Silver Blue	

Note: For the full product names of the 3M products listed on this page, please see page 1.

Effective Performance Life

The effective performance life for film series 220 is based on field experience and exposure tests conducted throughout the United States. When the graphics are processed and used according to 3M recommendations, they should have the performance life shown in the charts below. The actual performance depends on the following conditions.

- Selection and preparation of the substrate
- Application methods
- Exposure conditions
- Cleaning methods

Warranted Durability

Scotchcal Film Series	Vertical Exposure face of graphic is vertical 90° ± 10°	
	U.S. 1, 4 years	S.W. 2, 4 years
Signs Only		
Solid colors, except metallic colors and clear		
Unprinted, applied to first surface	7	5
Unprinted, applied to second surface	7	5
Vehicles Only		
Solid colors, except metallic colors and clear		
Unprinted, applied to first surface	8	5
Unprinted, applied to second surface	8	5
Signs and Vehicles		
Metallic colors 220-120, -131, -201, -206, -208, -209, -211, -216, -217, -218, -227, -229, -231, -237		
Clear 220-114		
Unprinted, applied to first surface	5	3
Unprinted, applied to second surface	5	3

Scotchcal Film Series 220	Non-Vertical Exposure ³ face of graphic is greater than 10° from vertical	
Solid colors 220-10, -12, -20, -22 and -11, -13, -14, -15, -53	U.S. 1, 4 years	S.W. 2, 4 years
Unprinted, applied to first surface	5	0

- 1 For the warranty periods outside the United States, contact Gierber Scientific Products.
- 2 The United States Desert Southwest area includes Arizona, New Mexico, and the desert areas of California, Nevada, Utah, and Texas. A detailed map is available by request.
- 3 Non-vertical applications can be used to identify commercial vehicles from the air. Non-vertical applications expose the film to the maximum effect from sunlight and the environment. There are ink and film restrictions for horizontal applications. The film may change color, lose gloss, and chalk. The following performance statements assume that only legibility is required.
- 4 Unprinted films 220-20, -163, -263, -273, and -286 may chalk with age. This is considered normal and acceptable wear.

Fabrication

This Bulletin does not contain detailed processing or application procedures. Refer to the 3M Related Literature on page 4 section for further information.

Minimum Cutting Heights

Based on cutting and weeding evaluations that used Helvetica medium upper case, the recommended minimum cutting height for text is 0.375 inch (0.95 cm). Because of the differences in electronically-controlled cutting equipment and font characteristics, users should determine their own cutting and weeding capability.

These factors can affect cutting quality and ability:

- Sharpness of the knife blade. Dull blades create a serrated look to the cut edge of the film.
- Weight on the knife blade. The ideal weight slightly scores the liner. Too little weight does not cut completely through the film and the adhesive. Excessive weight cuts the liner. It also causes the blade to drag, accelerating wear and eventually creating a serrated cut edge on the film.
- Temperature and relative humidity are minor considerations, but avoid extreme or rapidly fluctuating conditions.
- Store the film in the same environment as the cutting equipment.
- Consider the stroke width of characters, style of serifs or extensions, and small details of scanned or digitized artwork.
- The minimum recommended stroke width is 0.040 inch (mm) (mm 0.1) cut other physical stress.

Note: For the full product names of the 3M products listed on this page, please see page 1.

Printing

Film series 220 is designed for use with the Gerber Digital Imaging systems and is compatible with GerberColor™, GCP (Process); GCS (Spot); GCT (Transparent); GCM (Medal); GCX (Special Effects); and GCF (Finishing) Series Foils.

Application Tape

The application tape to use depends on the type of graphic produced. See Instruction Bulletin 4.3 for details.

- For graphics that have a large amount of exposed liner, and/or small letters and/or narrow stroke width, use 3M™ Prespacing Tape SCPS-2.
- For graphics that have very little exposed liner, and/or large letters, and/or wide stroke width, use 3M™ Pre-marking Tape SCPM-3.

Shelf Life, Storage, and Shipping

Follow these guidelines to store and ship film series 220 and the processed graphics.

- Unprocessed film has a shelf life of 2 years after receipt from 3M. Processed film has a shelf life of 1 year. However, the total shelf life of a graphic before and after processing cannot exceed 2 years.
- Store the film in a clean, dry area, out of the direct sunlight, and at less than 100°F (38°C).
- Ship the finished graphic lying flat or in a roll. To roll the graphic, wrap it film-side out onto a core that is 5 inches (13 cm) or larger in diameter. These methods prevent the liner from wrinkling or graphics from popping off.

Product Data

The values given are typical for film series 220 and are not for use in specifications. The data given below are for film as purchased from 3M.

Physical Properties

Property	English Units	Metric Units
Tensile strength (minimum)	5 pound/inch at 73°F	0.9 kg/cm at 23°C
Applied shrinkage	0.008 inch	0.2 mm
Service temperature range	-40° to +225°F	-40° to +107°C
Reverse impact resistance	No cracking at 52°F or 40°F	No cracking at 23°C or 4°C

Adhesive Characteristics

(24 hours after application)

Material	English Units pounds/inch	Metric Units kg/cm
Acrylic	4	0.7
Acrylic enamel	4	0.7
Alodine aluminum	8	1.4
Chrome plating	5	0.9
Fuehauf preprinted panels	4	0.7
Polycarbonate	4	0.7
Urethane paints	4	0.7

Chemical Resistance Characteristics

- Resists mild acids, alkalis, and salts
- Excellent water resistance

Flammability

Film 220-10 has been tested for flame spread per ASTM E84-95, "Surface Burning Characteristics of Building Materials," and meets the requirements of National Fire Protection Association Class A (1) (most fire-resistant class) as defined in NFPA 101, "Life Safety Code."

Health and Safety

⚠ Caution

When handling any chemical products, read the manufacturers' container labels and the Material Safety Data Sheets (MSDS) for important health, safety and environmental information.

To obtain MSDS sheets for 3M products:

- By fax, call 1-800-364-0768 in the US and Canada or 1-650-556-8417 for all other locations.
- Electronically, visit us at <http://www.3m.com>, then select MSDS search.
- By mail, or in case of an emergency, call 1-800-364-3577 or 1-651-757-6501.

When using any equipment, always follow the manufacturers' instructions for safe operation.

Warranty and Limited Remedy

The following is made in lieu of all other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose. Film Series 220 is warranted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in this Product Bulletin. 3M will replace or refund the price of any 3M materials that do not meet this warranty within the specified time periods. See the worldwide 3M™ MCS™ Warranty bulletin, which gives the terms and limitations of the warranty.

These remedies are exclusive. In no case shall 3M be liable for any direct, indirect, or consequential damages, including any labor or non-3M materials charges.

3M Related Literature

Listed below is related 3M technical literature that may be of interest. You may view and print these Bulletins from our website at www.scotchprintinggraphics.com, or order them via our Fax-on-Demand (FOD) system. Call one of these phone numbers to order the desired bulletins, and specify the FOD document number provided in the chart.

United States or Canada: 1-800-564-0768
International: 1-651-191-9059-262

Subject	Bulletin No.	FOD No.
3M™ Panaflex™ Enhanced Image Sign Facing 645E1	645	4001
3M™ Panaflex™ Awning and Sign Facing 945 GPS	945	4006
3M™ Scotchcal™ Translucent Film Series 230	230	3002
Design of graphics	2.1	5501
Using 3M application tapes, premasking and prespacing for films and sheetings	4.3	6503
Application, substrate selection, preparation and substrate-specific application	5.1	7001
Application, general procedures for interior and exterior dry applications	5.5	7005
Storage, handling, maintenance, removal	6.5	8505
Worldwide 3M™ MCS™ Warranty Packet (includes all Commercial Graphics MCS Warranties)		9503
Worldwide 3M™ MCS™ Warranty Overview-Folder		9504
3M™ MCS™ Graphics Warranty for Panaflex Awning and Sign Facings (includes overview)		9507

EDGE READY and GerberColor are trademarks of Gerber Scientific Products.



Commercial Graphics Division
3M Center, Building 220-6W-06
PO Box 33220
St Paul, MN 55132-0220 USA
General Info: 1-800-574-6772
Technical Support: 1-951-191-9059
Fax-on-Demand: 1-800-000-3233

1-800-564-0768 US/Canada or 1-651-191-9059 International
Fax-on-Demand document: 3019
www.scotchprintinggraphics.com

3M México, S.A. de C.V.
Av. Santa Fe No. 55
Col. Santa Fe, Del. Álvaro Obregón
México, D.F. 01210
Fax 52-5-525-270-0400
Fax 52-5-25-270-2277

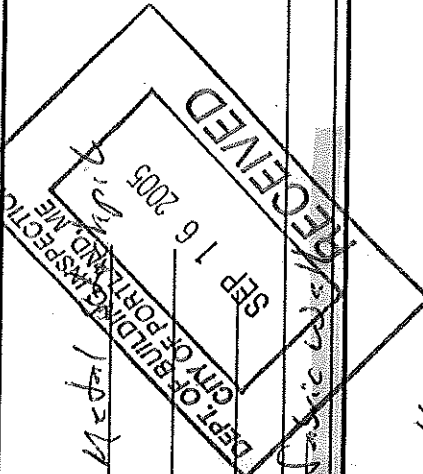
3M Puerto Rico, Inc.
Puerto Rico Industrial Park
P.O. Box 100
Carolina, PR 00989-0100
87-829-020-3000
Fax 787-750-3035

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Signage/Awning Permit Application

If you or the property owner owns 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>93 Cassidy Drive</u>		Square Footage of Lot <u>1,263 240</u>	Telephone: <u>846-0100</u>
Total Square Footage of Proposed Structure <u>54,400</u>	Owner: <u>72 Lot# 34 7A RA Merrill Industries Etc</u>		
Tax Assessor's Chart, Block & Lot Chart# <u>072A-003</u> Block# <u>M</u> 72 Lot# <u>34 7A RA</u>	Applicant name, address & telephone: <u>RD. Merrill</u> <u>114 E 3rd Hill RI</u> <u>Yarmouth, ME 04090</u>		Total s.f. of signage x \$2.00 per s.f. plus \$30.00/\$65.00 for H.D. signage = Total Fee: \$ <u>894</u> Awning Fee = Cost Of Work: \$ <u>-</u> Total Fee: \$ <u>894</u>
Lessee/Buyer's Name (if Applicable) <u>SPRAGUE ENERGY</u> <u>93 Cassidy Drive</u> <u>Portland, ME 04090</u>	Current use: <u>CARCO STORAGE SHED</u>		
If the location is currently vacant, what was prior use: <u>Recycle Metal</u>			
Approximately how long has it been vacant: <u>-</u>			
Proposed use: <u>Paper Corp Shop</u>			
Project description: <u>Workhouse</u> <u>PVC Fabric connected to PVC Fabric etc.</u>			
Contractor's name, address & telephone: Whom should we contact when the permit is ready: <u>P.D. Merrill</u> Mailing address: <u>114 E 3rd Hill RI</u> <u>Yarmouth, ME 04090</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>846 0100</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: [Signature] Date: 15 September 2005

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

SIGNAGE/AWNING PRE-APPLICATION QUESTIONNAIRE

PLEASE COMPLETE ALL INFORMATION

ADDRESS: 93 Cassidy Drive ZONE: WD

CBL: _____

SINGLE TENANT LOT? YES NO _____ MULTI TENANT LOT? YES _____ NO _____
MORE THAN ONE SIGN TOTAL WITH PROPOSED SIGN? YES NO _____

TENANT/ALLOCATED BUILDING SPACE FRONTAGE (FEET):

Length: _____ Height: _____

INFORMATION ON PROPOSED SIGN(S):

FREESTANDING (e.g., pole) SIGN? YES _____ NO DIMENSIONS PROPOSED: ~~8x8~~
BLDG. WALL SIGN? (attached to bldg) YES NO _____ DIMENSIONS PROPOSED: 8 x 54 = 432 sf

INFORMATION ON ALREADY EXISTING AND PERMITTED SIGN(S):

FREESTANDING (e.g., pole) SIGN? YES _____ NO DIMENSIONS: _____
BLDG. WALL SIGN(attached to bldg)? YES NO _____ DIMENSIONS: 316 sf
AWNING? YES _____ NO DIMENSIONS: _____
LOT FRONTAGE (FEET): 5000 ft

AWNING YES _____ NO IS AWNING BACKLIT? YES _____ NO _____

HEIGHT OF AWNING: _____ LENGTH OF AWNING: _____ DEPTH: _____

IS THERE ANY COMMUNICATION, MESSAGE, TRADEMARK OR SYMBOL ON IT? YES _____ NO _____

IF YES, TOTAL S.F. OF PANELS WITH COMMUNICATIONS/MESSAGE/TRADEMARK/SYMBOL? _____ s.f.

A SITE SKETCH AND BUILDING SKETCH SHOWING EXACTLY WHERE EXISTING AND NEW SIGNAGE IS LOCATED MUST BE PROVIDED. SKETCHES AND/OR PICTURES OF PROPOSED SIGNAGE ARE ALSO REQUIRED.

SIGNATURE OF APPLICANT: [Signature] DATE: 8/15/08

6% of wall area
***** FOR OFFICE USE ONLY *****
6% is 448 sq ft - sign 432 sq ft

CHECKLIST FOR SIGN/AWNING APPLICATION

Applicants for a sign or awning permit are required to submit the following information to the Code Enforcement Office at the time of application:

Certificate of Liability listing the City as additional insured if any portion of the sign abuts or encroaches on any public right of way, or can fall into any public right of way. Amount must equal \$400,000.00.

Letter of permission from the owner indicating the permissions granted and the tenant/space building frontage.

A sketch plan of lot, indicating location of buildings, driveways, and any abutting streets or rights of way, lengths of building frontages, street frontages, and all existing setbacks. Indicate on the plan all existing and proposed signs with their dimensions and specific locations. Be sure to include distance from the ground and building facade dimensions for any signage attached to a building.

A sketch or photo of any proposed sign(s) indicating content, dimensions, materials, source of illumination, and construction method, as well as specifics of installation/attachment.

Certificate of Flammability required for awning or canopy at time of application.

UL# required for lighted signs at the time of Final Inspection. Failure to provide this information will invalidate the Sign Permit.

Pre-Application Questionnaire completed and attached. Photos of existing signage attached.

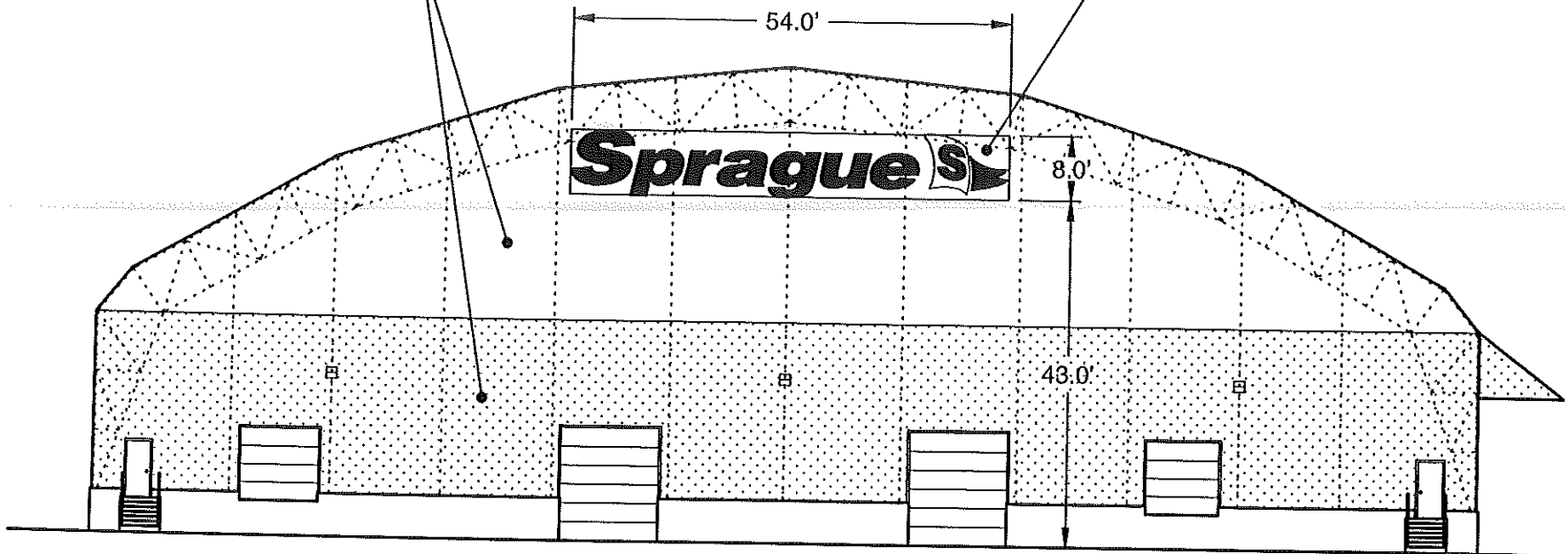
**Permit Fee for signage or awning-with-signage:
\$30.00 plus \$2.00 per square foot of sign.**


**Permit Fee for awning-without-signage is based on cost of work:
\$30.00 for the first \$1,000.00, plus \$9.00 for each additional \$1,000.00.**

Base Application Fee for any Historic District signage is \$65.00 instead of \$30.00

TOTAL GABLE AREA = 7476 SQ. FT.
 6% OF GABLE AREA = 448 SQ. FT.

SIGN AREA = 432 SQ. FT.



REV.	DESCRIPTION	DRAWN	APP.	DATE
	We Cover The World  BUILDING SYSTEMS			
	TITLE SIGN LAYOUT			
				<i>WJ</i> <i>10/19</i>
	GLJ 9-2-05	SCALE 1 : 250	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.	
		JOB # 05014		
		JOB NAME SPRAGUE		
RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347				DRAWING NO. 40697

Sidewalk Signs

Design, Location, and Construction Standards

Quantity

One sign per establishment for each street frontage having a public entrance, provided that all dimension and location standards are met. When standards would not otherwise permit a sign, a sign may consist of multiple listings.

Sign Dimensions

Single Listing: Maximum width is 24 inches or such lesser width sufficient to retain 4 ½ feet of unobstructed sidewalk width perpendicular to major flows. Maximum height is 40 inches to top of sign in place. Minimum height is 30 inches to top of sign in place.

Multiple: Maximum width is 30 inches or such lesser width sufficient to retain 4 ½ feet of unobstructed sidewalk width perpendicular to major flows. Maximum height is 40 inches to top of sign in place. Minimum height is 30 inches to top of sign in place.

Location

Minimum distance between signs is 20 feet. Maximum distance of sign from public entrance of advertiser is 20 feet. The City may vary these distances for exceptional physical circumstances where public safety and streetscape aesthetics will be maintained. However, under no circumstances shall signs obstruct vehicular stops, benches, fire hydrants, or other street visual amenities. Signs shall be located near the curb rather than the building face.

Materials and Graphics

All signs shall be of an A-Frame type design, shall be constructed of durable, weather-resistant materials and finish, shall have no moving parts, and shall be non-electrified. All signs shall be maintained in a clean and original appearance. Sign materials, graphics, and finish shall be of a unified design and shall be compatible with the local streetscape. All signs shall have horizontal braces spanning each side of the sign to assure rigid support. Lettering shall be legible and consistent.

Sign Removal

All signs shall be removed when the business is closed or while any snow or ice exists on the walk within eight feet of the sign in any direction.

Insurance

No permit shall be issued unless the applicant has posted in advance with the City a Certificate of Liability listing the City as additional insured in the amount of \$400,000.00.

Enforcement

A sign may be removed after notice to the owner and the permit, if issued, may be revoked if the sign does not conform to the standards herein.

For a sidewalk sign permit, come to City Hall, 389 Congress Street, Room 315, with:

Certificate of Liability Insurance

Drawing of sign showing dimensions and design work

Payment of \$30.00 plus \$2.00 per s.f. of signage.

Complete application with pre-application questionnaire and checklist completed.