BLOCK 1170 LOT 18 QUALIFICATION CODE _____ ADDRESS (SITE) 425 Jack Martin PERMIT NO. 06-0929

CONSTRUCTION PERMIT APPLICATION

C06-0935

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: 425 Jack Martin Blvd
2. Name of Owner in Fee: OCEAN Medical Tel. ( ) _____
   Address _____ (street) (municipality) (zip code)
3. Ownership in fee: Public _____ Private _____
4. Principal Contractor: Supreme Construction Tel. (732) 738-8015
   Address 120 Franklin ST Keyport 07735
   License No. OR, if new home, Builder Reg. No. _____ Exp. Date _____
   Federal Employee No. 222-494-501/000 FAX: ( ) _____
5. Architect or Engineer NA Tel. ( ) _____
   Address _____ Contact _____
6. Responsible Person in Charge once Work has Begun John Sisto
   Tel. (732) 738-8015 FAX: 732 738-9850

Called 4/5/06 MP

Sound barrier

V. FEE SUMMARY (for office use only)

			Update	Update
1. Building	$	288		
2. Electrical				
3. Plumbing				
4. Fire Protection				
5. Elevator Devices				
6. Subtotal	$	116		
7. Less 20% for State Plan Review				
8. Subtotal	$			
9. State Permit Fee Surcharge				
10. Subtotal	$			
11. Cert. of Occupancy				
12. Other ZV		30		
13. TOTAL	$	334		

VI. BUILDING/SITE CHARACTERISTICS

	(office use only)
1. Number of Stories	
2. Height of Structure ft.	
3. Area — Largest Floor sq. ft.	
4. New Building Area sq. ft.	
5. Volume of New Structure cu. ft.	
6. Construction Classification	
7. Total Land Area Disturbed sq. ft.	
8. Flood Hazard Zone	
9. Base Flood Elevation ft.	
10. Wetlands yes	
no	
11. Max. Live Load	
12. Max. Occupancy Load	

OPTIONAL (for office use only)

I. PROPOSED WORK	Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Resubmission Dates Rejection	Re-viewer
1. ☐ Minor Work									
2. ☐ New Building		CAP	2/2/06						
3. ☐ Addition									
4. ☐ a. Repair									
☒ b. Alteration					04/12/06	MP	4/11/06		
☐ c. Renovation									
☐ d. Reconstruction									
5. ☐ Fire Protection									
6. ☐ Plumbing									
7. ☐ Electrical									
8. ☐ Elevator Devices									
9. ☐ Asbestos Abat. Subch. 8									
10. ☐ Lead Hazard Abatement									
11. ☐ Demolition		EWC	3/21/06		3/21/06	M			
TOTAL COSTS									

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL
1. State Specific Use:
2. Use Group:
3. Change in Use Group, Indicate Former:
4. No. of dwelling units:
   Before Construction _____
   After Construction _____
   Net Gain or Loss _____

B. NON-RESIDENTIAL
1. State Specific Use:
2. Use Group:
3. Change in Use Group, Indicate Former:

III. DO YOU WANT: (optional)

1. ☐ Partial Releases
2. ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. ☐ Elevators/Escalators/Lifts/ Dumbwaiters/Moving Walks
2. ☐ High Pressure Boilers
3. ☐ Pressure Vessels
4. ☐ Refrigeration Systems
5. ☐ Cross-Connections/Backflow Preventers
6. ☐ Hazardous Uses/Places of Assembly
7. ☐ Sprinklers
8. ☐ Smoke Control Systems in Open Wells
9. ☐ Underground Storage Tanks
10. ☐ Swimming Pools, Spas and Hot Tubs

LDS BR-B 10524724

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

A. ( ) I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

B. ( ) I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(e)1.vii:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

C. ( ) I further certify that I will perform or supervise the following work:
C.1. ( ) Building C.2. ( ) Fire Protection

I further certify that I will perform the following work:
C.3. ( ) Electrical C.4. ( ) Plumbing

D. ( ) I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:32-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

(✓) Check if contractor.

Agent Name Supreme Conditioning Inc

Address 120 Francis ST

Keyport NJ 07735

Telephone (732) 739-9015

Signature _____

III. ( ) LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.

OFFICE DATE RECEIVED: _____

VIII. PRIOR APPROVALS CHECKLIST (office use only)	LOCAL APPROVAL		COUNTY APPROVAL		REGIONAL APPROVAL		STATE APPROVAL		COMMENTS
	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	
☐ Zoning Officer									
☐ Planning Board									
☐ Zoning Board									
☐ Sewer Authority									
☐ Water Authority									
☐ Police Department									
☐ Health Department									
☐ Soil Conservation									
☐ N.J. Department of Community Affairs									
☐ N.J. Department of Transportation									
☐ N.J. Department of Environmental Protection									
☐ Utility Dig No.									
☐									
☐									

IX. SUBCODES AND SPECIAL REGULATIONS APPLICABLE (office use only—optional)

Name of Code & Edition		Name of Code & Edition			
Building	_____	Energy	_____	Other	_____
Electrical	_____	Barrier Free	_____		_____
Plumbing	_____	Flood Hazard	_____		_____
Fire Protection	_____	As Built Elevation Cert.	_____		_____
Mechanical	_____	Other	_____		_____

X. CERTIFICATES ISSUED (office use only)

		DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____		
☐ Certificate of Approval	No. _____	_____	_____		
☐ Lead Abatement Clearance Certificate	No. _____	_____	_____	_____	_____

IMPORTANT 3/21/06 No fee required for
A.H.B.T. - MANDATORY FEE - COMMERCIAL

FOR OFFICE USE ONLY

Constituent Contact Report

Date	Comments	Initials
2-27-6	LETTER OF ZONING DENIAL ISSUED	JK, ZO

□ Zoning Application deemed complete Initialed: _____ Date: _____

□ Zoning Application approved Initialed: _____ Date: _____

□ Zoning permit updates:

_____

_____

_____

Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued	07/13/2006
Tracking Number	C-06-0935
Permit Number	06-0929
Permit Issue Date	04/06/2006

Certificate

Construction Code Division

(Certificate of Approval)

Identification

Work Site Location: 425 JACK MARTIN BLVD. Brick Township, NJ Block: 1170 Lot: 18 Qual:

Owner in Fee: NORTHERN OCEAN HOSPITAL SYSTEM INC

Owner Address: 1350 CAMPUS PARKWAY NEPTUNE NJ 07753

Telephone:

Contractor SUPREME CONDITIONING INC

Address 120 FRANCIS STREET KEYPORT NJ 07735

Telephone: (732) 739-9015 Fax:

License Number or Builders Registration Number: Federal Emp. Number:

Home Warranty Number:

Type of Warranty Plan: ☐ State ☐ Private

Use Group: U Construction Classification:

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work Use:

ALTERATION INSTALL SOUND BATTIER FOR WATER TOWERS

Certificate Comments:

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☑ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than
or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

☐ Total removal of lead-based paint hazards in scope of work

☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

☐ Total removal of asbestos hazards in scope of work

☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than:
or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

Construction Official

Fee: $0.00

Check Number: 12794

Collected By: Stephanie Capozzi

Date Printed: 07/13/2006

CONSTRUCTION PERMIT

Date Issued 04/06/2006
Control # C-06-0935
Permit # 06-0929

IDENTIFICATION Block: 1170 Lot: 18 Qualifier
Work Site Location: 425 JACK MARTIN BLVD. Brick Township, NJ
Contractor SUPREME CONDITIONING INC
Address 120 FRANCIS STREET KEYPORT NJ 07735
Owner in Fee NORTHERN OCEAN HOSPITAL SYSTEM INC
Address 1350 CAMPUS PARKWAY NEPTUNE NJ 07753
Telephone: (732) 739-9015
Lic. No. or Bldrs. Reg. No.
Telephone:
Federal Employee. No.

Is hereby granted permission to perform the following work:

- [x] BUILDING
- [ ] PLUMBING
- [ ] LEAD HAZARD ABATEMENT
- [ ] ELECTRICAL
- [ ] FIRE PROTECTION
- [ ] DEMOLITION
- [ ] ELEVATOR DEVICES
- [ ] ASBESTOS ABATEMENT (Subchapter 8 only)
- [ ] OTHER

DESCRIPTION OF WORK:

ALTERATION INSTALL SOUND BATTIER FOR WATER TOWERS

Note: If constuction does not commence within one (1) year of date of issuance, or it construction ceases for a period of six (6) months, this permit is void.
Estimated Cost of Work $12,000

Construction Official

04/06/2006
Date

PAYMENTS (Office Use Only)

Building	$288
Electrical	$0
Plumbing	$0
Fire Protection	$0
Elevator Devices	$0
Other	$0.00
DCA Training Fee	$16
CO Fee	
Other	$30
Total	$334
Check No.	12794
Cash	$0
Credit	$0
Collected By	Stephanie Capozzi

U.C.C. F170
equiv (rev 8/03)
1 WHITE - INSPECTOR 2 CANARY - OFFICE 3 PINK - TAX ASSESSOR 4 GOLD - APPLICANT

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

- [ ] Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to back filling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

- [ ] Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

- [ ] A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

- [ ] A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.

BUILDING SUBCODE
TECHNICAL SECTION

Date Received 02/23/2006
Control # C-06-0935
Date Issued 5/6/06
Permit # 06-0929

A. IDENTIFICATION - APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

Block 1170 Lot 18 Qualification Code

Work Site Location: 425 JACK MARTIN BLVD. Brick Township, NJ

Owner in Fee: NORTHERN OCEAN HOSPITAL SYSTEM INC

Address 1350 CAMPUS PARKWAY NEPTUNE NJ

Tel.

Contractor: SUPREME CONDITIONING INC

Address 120 FRANCIS STREET KEYPORT NJ

Tel. (732) 739-9015 Fax.

Contractor License No. or, if new home, Bldrs Reg. No.

Federal Employee No.

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial
☐ No Plan Required		
☒ All	4/10/06	
☐ Footing		
☐ Foundation		
☐ Frame		
☐ Other		

Joint Plan Review Required
☐ Elec. ☐ Plumb. ☐ Fire ☐ Elevator

SUBCODE APPROVAL
☐ CO ☐ CCO ☐ CA
Date: 7-11-06
Approved by:

INSPECTIONS Type:	Failure	Dates (Month/Day) Failure	Approval	Initial
Footing		5-8-06		
Footing Bonding				
Foundation				
Slab				
Frame				
Truss Sys./Bracing				
Barrier-Free				
Insulation				
Finishes-Base Layer				
Finishes-Final				
Energy				
Mechanical				
TCO				
Other				
Final				
Barrier-Free		7-10-06		

B. BUILDING CHARACTERISTICS

Use Group Present 0 Proposed U
Constr. Class Present 0 Proposed 0
Number of Stories
Height of Structure Ft.
Area - Largest Floor Sq. Ft.
New Bldg. Area / All Floors Sq. Ft.
Volume of New Structure Cu. Ft.
Total Land Area Disturbed Sq. Ft.

Est. Cost of Bldg. Work:
1. New Bldg. $0
2. Rehabilitation $12,000
3. Total (1+2) $12,000

C. CERTIFICATION IN LIEU OF OATH

I hereby certifiy that I am the (agent of) owner of the record and am authorized to make this application.

Signature

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

ALTERATION, INSTALL SOUND BATTIER FOR WATER TOWERS

TYPE OF WORK

	FEE (Office Use Only)
☐ New Building	$0
☐ Addition	$0
☑ Rehabilitation	$288
☐ Roofing	$0
☐ Siding	$0
☐ Fence ____ Height (exceeds 6')	$0
☐ Sign ____ Sq. Ft.	$0
☐ Pool	$0
☐ Asbestos Abatement Subchapter 8	$0
☐ Lead Haz Abatement NJAC 5:17	$0
☐ Other	$0
☐ Demolition	$0
Administrative Surcharge	$0
Minimum Fee	$0
State Permit Surcharge Fee	$16
TOTAL FEE	$304

Applicant: When submitting this form to your Local Construction Code

BUILDING SUBCODE
TECHNICAL SECTION

Date Received
Control #

Date Issued
Permit #

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 1170 Lot 18 Qualification Code

Work Site Location 425 Jack Martin Blvd.

Owner in Fee Ocean Medical Center

Address

Tel. ( )

Contractor Soundtown Consulting Inc.

Address 120 Francis St

Kayco-T NJ 07731

Tel. (732) 739-9015 FAX (732) 739-9550

Contractor License No. or Builder Registration No.

Federal Emp. No 222-494-501

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Install Sound Barrier on Water Towers

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial
[ ] No Plans Required		
[ ] All		
[ ] Footing		
[ ] Foundation		
[ ] Frame		
[ ] Other		

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA

Date:

Approved by:

INSPECTIONS Type:	Failure	Dates (Month/Day) Failure	Approval	Initial
Footing				
Footing Bonding				
Foundation				
Slab				
Frame				
Truss Sys./Bracing				
Barrier-Free				
Insulation				
Finishes -Base Layer				
Finishes -Final				
Energy				
Mechanical				
TCO				
Other				
Final				
Barrier-Free				

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence _____ Height (exceeds 6')
[ ] Sign _____ Sq. Ft.
[ ] Pool
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[X] Other Sound Barrier
[ ] Demolition

FEE (Office Use Only)
$

Administrative Surcharge $
Minimum Fee $
State Permit Surcharge Fee $
TOTAL FEE $

B. BUILDING CHARACTERISTICS

Use Group Present Proposed
Constr. Class Present Proposed
No. of Stories
Height of Structure Ft.
Area — Largest Floor Sq. Ft.
New Bldg. Area/All Floors Sq. Ft.
Volume of New Structure Cu. Ft.
Total Land Area Disturbed Sq. Ft.

Est. Cost of Bldg. Work:
1. New Bldg. $
2. Rehabilitation $
3. Total (1+ 2) $ 12000.

U.C.C. F110
(rev. 07/03)

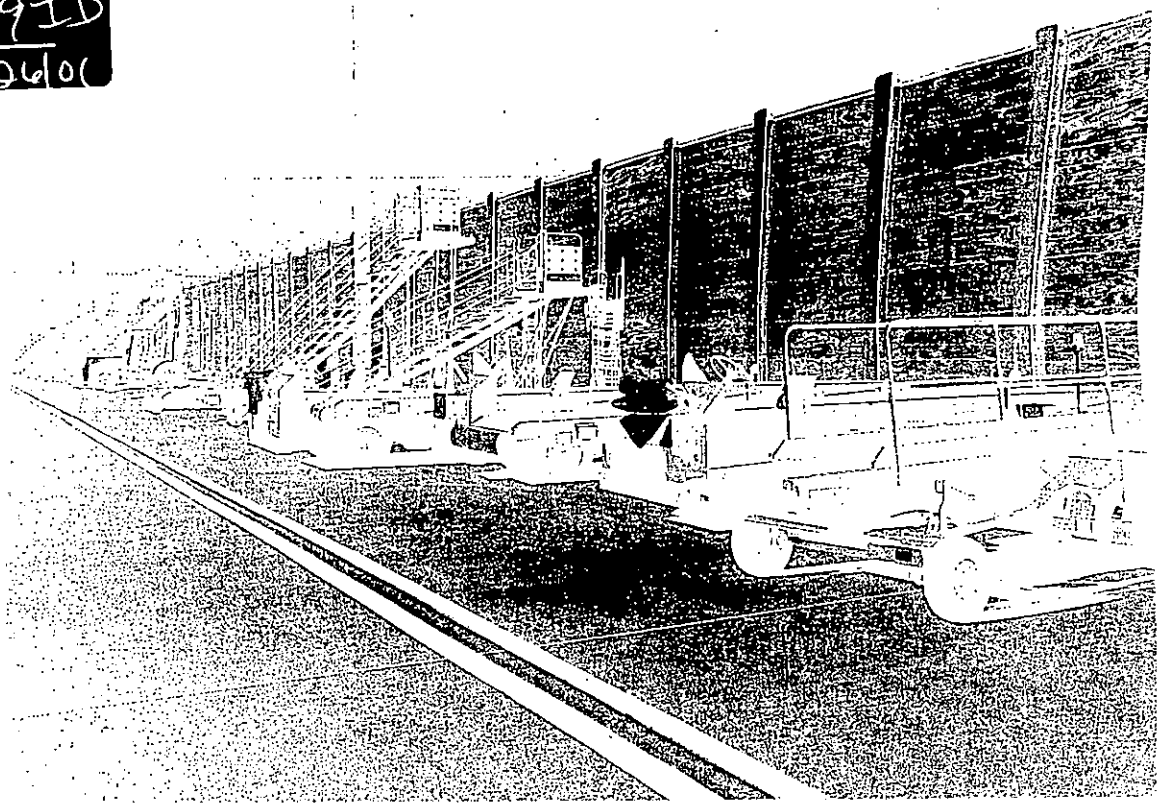
1 White = Inspector Copy
2 Canary = Office Copy
3 Pink = Office Copy
4 Gold = Applicant Copy

"The Sound Solution"

PLYWALL Post and Panel

Permanent Engineered Wood Sound Barriers

EXHIBIT
A-29 ID
CV 3526 01



This Plywall barrier doubles as a wind screen for the jetwash from taxiing cargo planes at the air terminal. A parking lot is just beyond the barrier and it would have been unusable without noise and wind protection. Due to the unusually high design wind load, 50 PSF, the barrier's posts are oversized and are set 13' deep in 36" diameter concrete foundations. The structural framing of the panels is also unusually heavy, with edgewise 2 x 4 framing at 12" c/c spacing instead of flatwise 2 x 4 framing at 16" c/c spacing.

HOOVER
TREATED WOOD PRODUCTS, INC.

IN ASSOCIATION WITH

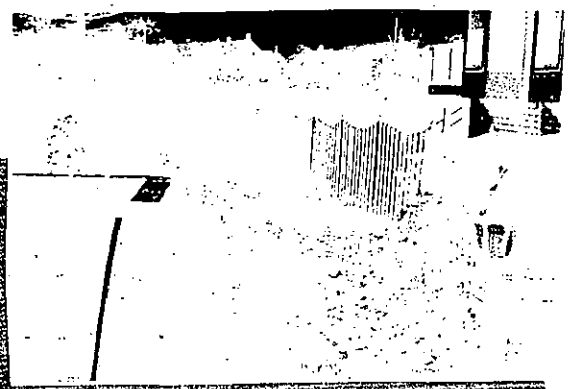
Trus Joist MacMillan™

A LIMITED PARTNERSHIP

"The Sound Solution"

PLYWALL

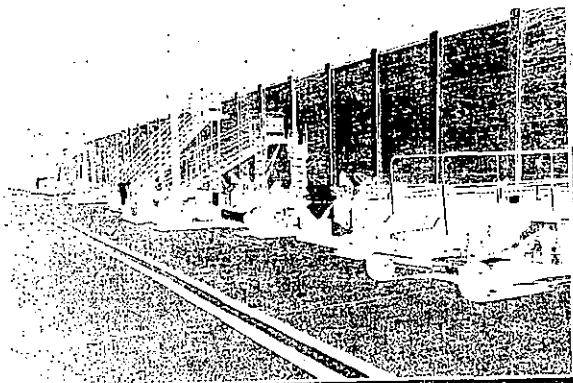
Permanent Engineered Wood Sound Barriers
Case Studies



Condominium Project

Location: Fairfax, VA
Dimensions: 8-10 feet high, 740 linear feet
Installed: 1989
Panel width: 8 feet wide, 1-piece

This project is on busy I-395 near Washington, D.C., and the site plan included a Plywall barrier along the right of way to mitigate the expressway noise and screen the expressway from view. Other barrier materials including concrete were considered but Plywall was deemed most compatible with the planned landscaping and the natural wooded surroundings of the site, as well as most cost-effective. The barrier was installed during condominium construction, and its relatively light weight and portability compared to precast concrete barrier systems minimized the construction equipment required on the crowded site.



Airport Noise Barrier/Jet Blast Fence

Location: Rockford, IL
Dimensions: 16 feet high, 360 linear feet
Installed: 1994
Panel width: 8 feet wide, 1-piece

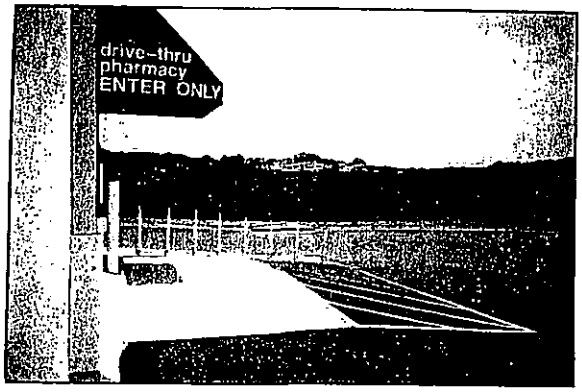
This Plywall barrier doubles as a wind screen for the jetwash from taxiing cargo planes at the air terminal. A parking lot is just beyond the barrier and it would have been unusable without noise and wind protection. Due to the unusually high design wind load, 50 PSF, the barrier's posts are oversized and are set 13' deep in 36" diameter concrete foundations. The structural framing of the panels is also unusually heavy, with edgewise 2 x 4 framing at 12" c/c spacing instead of flatwise 2 x 4 framing at 16" c/c spacing.

HOOVER
TREATED WOOD PRODUCTS, INC.

Bagel Plant Expansion

Location: Eatontown, NJ
Dimensions: 14 feet high, 550 linear feet
Installed: 1997
Panel width: 12 feet wide, 2-piece stacking

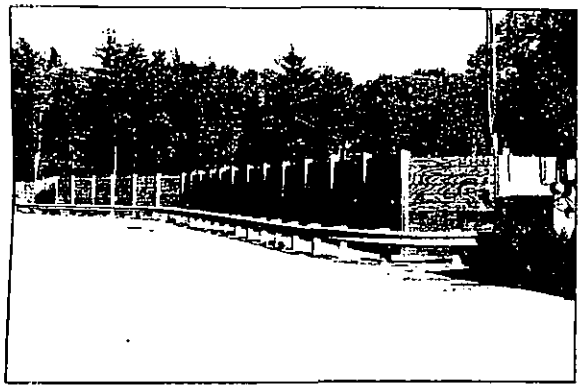
When this plant applied for a permit to expand, there was concern about its effect on adjoining residences so a 14-foot high Plywall barrier was proposed. It was installed early in the project to screen the construction noise and activity. Response has been very favorable. Neighbors say it is nicer-looking than the concrete highway barriers in the area. 12-foot wide panels were used to reduce the number of posts and foundations. Panels were stacked, with 8-foot high panels on the bottom and 6-foot high panels on top.



Grocery Superstore / Shopping Center

Location: Alpharetta, GA
Dimensions: 8-10 feet high, 1,100 feet long
Installed: 1996
Panel width: 8 feet wide, 1-piece

A new grocery superstore anchors this strip shopping center in trendy north Atlanta. It backs up to an upscale residential area and the owners wanted to be good neighbors so the Plywall system was installed just beyond the service area at the rear of the buildings, much of which is at the crest of a high embankment. The wall serves as a visual screen and glare screen, as well as a noise screen. The rear face of the wall was stained driftwood grey to make it blend in with the rear of the buildings

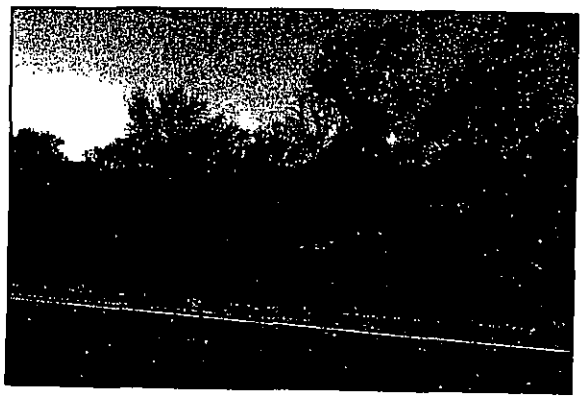


Municipal Operations Headquarters

Location: Concord, NH
Dimensions: 8-10 feet high, 1300 linear feet total
Installed: 1989
Panel width: 8 feet wide, 1-piece

This facility houses the new public works headquarters for the City of Concord. Construction plans included Plywall barriers to screen the facility from nearby homes. Soon after the facility opened, it also became the base for the buses of the Concord Public Schools. The bus parking area is adjacent to neighboring houses but the 10-foot high Plywall has proven effective at mitigating the noise of diesel bus engines cranking up before dawn, as well as blocking the glare of their headlights. The Plywall barrier made it possible to park the buses there

Rich Wolinski
508 · 380 · 4325



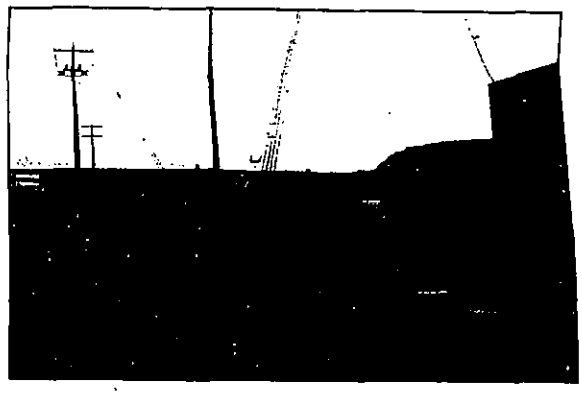
Highway Noise Barrier

Location: Lincoln, NE
Dimensions: 8-13 feet high, 1400 linear feet total
Installed: 1988
Panel width: 8 feet wide, 1-piece

When the Lincoln West Bypass was widened the Nebraska Department of Roads chose Plywall to protect a stretch of residences adjoining the right of way. This barrier varies from 8 to 13 feet high.

Temporary Barrier at Waste Water Treatment Plant

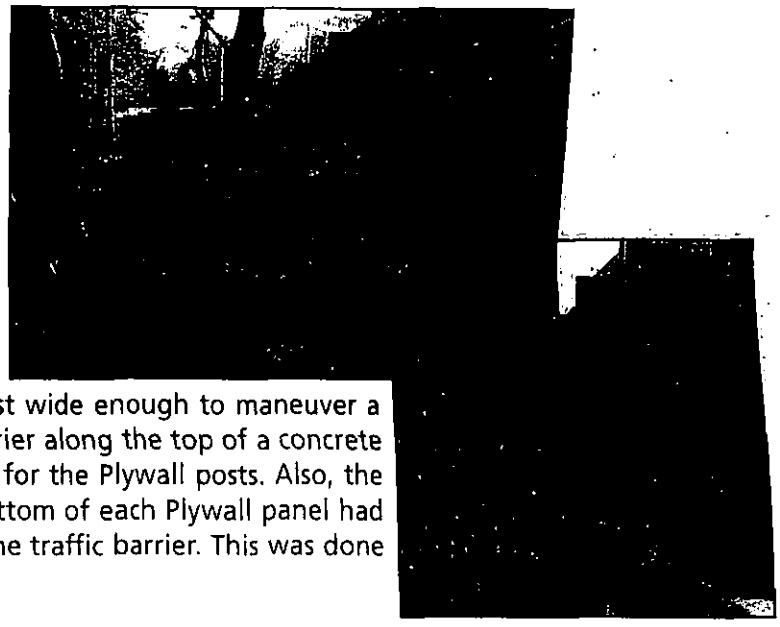
Location: New Bedford, MA
Dimensions: 15 feet high, 500 linear feet total
Installed: 1993
Panel width: 8 feet wide, 1-piece



This Plywall barrier was installed as a temporary construction screen for a new multi-million dollar treatment plant in this historic port city. The site adjoins a Navy School and a residential area and it was necessary to screen them from the heavy construction activity. The barrier was erected early in the project and was removed after completion. The cleats were attached to the posts with lag screws for easy removal, and the posts were backfilled with soil for easy removal (stone backfill is preferred, however, because it is more stable).

Highway Noise Barrier

Location: Baltimore, MD
Dimensions: 8 feet high, 2,800 linear feet
Installed: 1993
Panel width: 8 feet wide, 1-piece



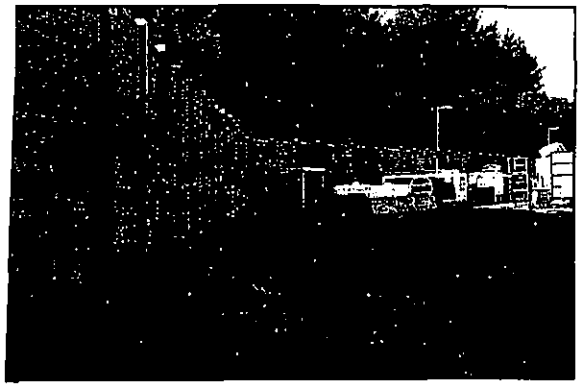
This project was along I-95 in a wooded area where the State Highway Administration wanted to preserve as many trees as possible. Crushed stone was used to backfill the posts to avoid concrete. The contractor was allowed to zig-zag the barrier to avoid individual trees, and the access road was just wide enough to maneuver a skid loader. One segment required placing the barrier along the top of a concrete traffic barrier. Sockets were cast into the concrete for the Plywall posts. Also, the traffic barrier followed a grade incline and the bottom of each Plywall panel had to be field-trimmed at an angle to fit the top of the traffic barrier. This was done with an ordinary carpenters' power saw.

For More Information Call:
(800)TEC-WOOD

Residence

Location: Atlanta, GA
Dimensions: 6-16 feet high, 300 linear feet
Installed: 1984
Panel width: 12 feet and 8 feet

The peace and tranquility of the picturesque stone home on this site was interrupted in the early 1960's when I-285, the Atlanta perimeter road, was built right beside it. Later, the expressway was widened and a noise barrier was installed to reduce the noise level for the occupants. This is the oldest Plywall barrier and as such it demonstrates the treatment's longevity. There is no deterioration at the groundline which is the area of severest decay and termite hazard. Noise measurements were taken before and after to confirm its acoustical effectiveness.



Bottling Plant

Location: Manchester, NH
Dimensions: 15 feet high x 480 feet long
Installed: 1988
Panel width: 8 feet wide, 1-piece

This plant had been in operation for some time and had been receiving complaints from residential neighbors about noise and headlights. The owners decided to erect a screening wall/noise wall along the back of the plant which included the loading dock area. Response from the neighbors was positive.

For More Information Call:
(800) TEC WOOD (832-9663) Ext. 207
FAX 706/595-1326
http://www.frtw.com
email: plywall@frtw.com

HOOVER
TREATED WOOD PRODUCTS, INC.
P.O. Box 746 • Thomson, GA 30824

framing is sandwiched between the plywood faces to provide a stiff structural "skin" to enable the panels to resist high wind loads.

Fabricated height of the 1-piece panels is variable, depending on job requirements and panel width. Pressure treated Parallam® PSL engineered timber posts support the panels at exposed heights to 30 feet or more.

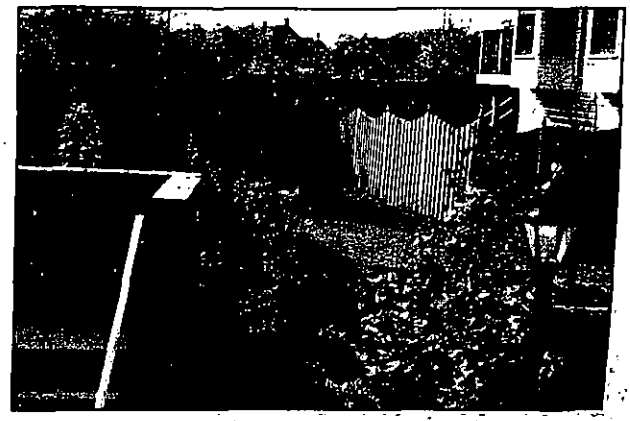
Posts are embedded in the ground to a depth of at least half the exposed height of the barrier and back-filled with crushed stone or concrete.

Benefits to Installers and Residents

The PLYWALL Post and Panel system is user-friendly, both for the residents as well as for the installers.

Residents appreciate PLYWALL's warm, natural appearance. Unlike concrete or masonry walls, there is no "prison wall" feeling. PLYWALL is "neighborly" because it is identical in appearance and attractiveness from either side with no unsightly back side. In spite of its lighter weight, PLYWALL's installed noise reduction is just as good as solid concrete or masonry.

Installers like its complete prefabrication, relatively light weight, minimal skilled labor requirements, and its simplicity.



This bottling plant had received noise complaints from nearby homes. The complaints stopped after installation of this 15-foot high PLYWALL barrier

Engineering

PLYWALL is engineered for any specified wind load, expressed as pounds per square foot. Typical design wind loads range from 20 to 40 PSF. This value, along with the exposed height of the barrier, determines the required post size as shown in the table below.

Noise Reduction

The effectiveness of any noise barrier is determined by many factors. Two of the most important are noise leaks (openings), and mass (weight). PLYWALL panels

Height	Wind Load (PSF)						
	20	25	28	30	33	35	40
6'	3.5 x 9.75	3.5 x 9.75	3.5 x 9.75	3.5 x 9.75	3.5 x 9.75	3.5 x 9.75	3.5 x 9.75
8'	3.5 x 9.75	3.5 x 9.75	3.5 x 9.75	3.5 x 9.75	3.5 x 9.75	3.5 x 9.75	3.5 x 9.75
10'	3.5 x 9.75	3.5 x 9.75	5.25 x 9.75	5.25 x 9.75	5.25 x 9.75	5.25 x 9.75	5.25 x 9.75
12'	5.25 x 9.75	5.25 x 9.75	5.25 x 12	5.25 x 12	5.25 x 12	5.25 x 12	5.25 x 12
14'	5.25 x 12	5.25 x 12	5.25 x 12	5.25 x 12	5.25 x 12	5.25 x 12	5.25 x 14
16'	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	7 x 14
18'	7 x 14	7 x 14	7 x 14	7 x 14	7 x 14	7 x 14	7 x 14
20'	7 x 14	7 x 14	7 x 14	7 x 14	7 x 14	7 x 16	7 x 16
22'	7 x 16	7 x 16	7 x 16	7 x 16	7 x 16	7 x 16	11 x 14
24'	11 x 12	11 x 12	11 x 14	11 x 14	11 x 14	11 x 14	11 x 16
26'	11 x 16	11 x 16	11 x 16	11 x 16	11 x 16	11 x 16	11 x 19
28'	11 x 19	11 x 19	11 x 19	11 x 19	11 x 19	11 x 19	11 x 19
30'	11 x 19	11 x 19	11 x 19	11 x 19	11 x 19	11 x 19	

The design for post heights 6' through 12' assumes embedment in soil or gravel. Posts 14' or greater in height are assumed to be embedded in concrete. Post embedment depth to be determined by local engineer. Panel width 8'.

are free of noise leaks because of their 2-sided covering of dimensionally stable pressure treated 4' by 8' Texture 1-11 siding with shiplapped joints backed up by pressure treated internal 2x4 framing.

In addition to being free of noise leaks, PLYWALL panels have sufficient mass to produce the same field noise reduction as much heavier and more expensive concrete and masonry barriers. The minimum panel

PLYWALL can be mounted on traffic barriers and bridges. These posts were inserted into cast-in-place sockets which extended down the footing of this traffic barrier.

mass to assure good acoustical performance is 4 pounds per square foot. PLYWALL panels weigh 6 to 8 pounds per square foot, assuring good acoustical performance.

PLYWALL panels have been tested in accordance with ASTM E-90, resulting in a measured Sound Transmission Class (STC) of 38.

Laboratory sound transmission tests show a direct relationship between mass and noise reduction, but this is in a sealed test apparatus where there is no diffracted noise. In actual field installations diffracted noise is far greater than the insignificant amount of transmitted noise that actually passes through a barrier.

Diffracted noise "bends" around corners and is the reason why noise can be heard even though there is no direct "line of sight" to its source. This is why a noise barrier must be high enough and long enough to "break the line of sight", and then some, in order to produce satisfactory noise reduction.

Pressure Treatment

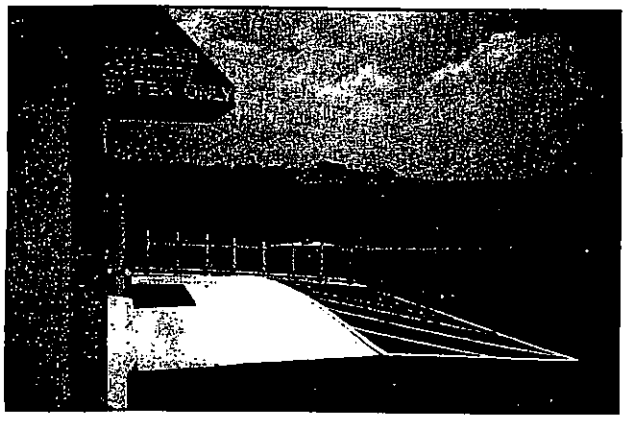
All of the components used in PLYWALL are pressure treated to American Wood Preservers Association Standards with CCA waterborne preservative, which has been used safely and effectively for 60 plus years to permanently protect wood from termites and decay. CCA is EPA-approved and it's widely used for playground equipment, decks, fences, utility poles, docks, sign posts, foundations, pole structures and many other uses.

CCA treated wood is odorless and it's harmless to plants, animals and humans. In addition to permanent protection, CCA provides permanent coloration which gradually ages during the first year or two from light green to gray.

The pressure treatment process at Hoover is computer controlled, and it takes place inside large pressure cylinders containing tram cars loaded with seasoned wood.

A vacuum is drawn first and held for a period of time, after which the waterborne preservative solution

When this plant applied for a permit to expand, there was concern about its effect on adjoining residences so a 14-foot high Plywall barrier was proposed. It was installed early in the project to screen the construction noise and activity. Response has been very favorable. Neighbors say it is nicer-looking than the concrete highway barriers in the area. 12-foot wide panels were used to reduce the number of posts and foundations. Panels were stacked, with 8-foot high panels on the bottom and 6-foot high panels on top.



A new grocery superstore anchors this strip shopping center in trendy north Atlanta. It backs up to an upscale residential area and the owners wanted to be good neighbors so the Plywall system was installed just beyond the service area at the rear of the buildings, much of which is at the crest of a high embankment. The wall serves as a visual screen and glare screen, as well as a noise screen. The rear face of the wall was stained driftwood grey to make it blend in with the rear of the buildings.

fills the cylinder. Pumps then pressurize the wood to 150 PSI until the required uptake has been achieved, then the pressure is released, followed by a final vacuum period.

In addition to precise computer control of the treating process, Hoover excercises extensive quality control to assure proper depth of penetration of the preservative into the wood, and to assure proper retention of preservative in pounds of preservative (dry basis) per cubic foot of wood.

Hoover's quality control department is equipped with sophisticated equipment to analyze borings for proper penetration and retention.

The lumber, plywood and posts used in PLYWALL are all treated to a retention of .60 pounds of CCA per cubic foot of wood, which is the same retention required for the Permanent Wood Foundation, utility poles, and highway uses.

Southern Pine

All of the lumber, plywood siding and Parallam® PSL posts used in PLYWALL is southern pine, because of its superior strength and treatability. Southern pine's unique cell structure allows excellent penetration of CCA preservative for protection against termites and decay. Furthermore, Hoover uses state-of-the-art computerized processing and extensive quality control procedures to assure good results from the treatment process.

Fabrication And Shipment

Fabrication takes place in Hoover's all-weather indoor facilities.

All nails are double hot dip galvanized per ASTM A-153, ring shank, for decades of rust protection and maximum holding power. Panels are bundled in flat stacks. These stacks are loaded by Hoover's large forklifts equipped with 8-foot-long forks.

PLYWALL is shipped economically throughout the United States by truck from Thomson, Georgia. Shipping is included in the selling price. Unlike concrete or masonry, several thousand square feet of ready-to-install PLYWALL materials can be shipped on one truck.

PLYWALL easily accommodates existing trees or other obstacles. Site disturbance is minimized with lightweight materials and elimination of concrete.

Posts and panels can be shipped together, or staggered shipments can be made consisting of posts on the early loads and panels on the later loads. Materials are unloaded at the job site or at a storage yard where they can be shuttled to the job as needed. Unloading of panels requires a large forklift with 6-foot or 8-foot long forks, or a crane and slidings.

Installation

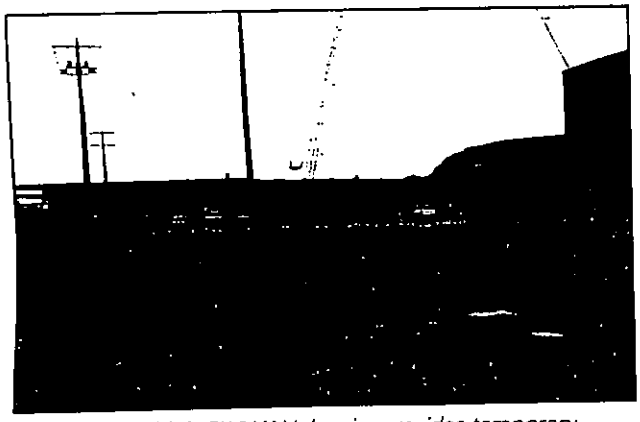
PLYWALL is shipped complete and ready-to-install, including posts, panels, cleats and spikes (or lag bolts). Installation is done by a local contractor, often a

When the Lincoln West Bypass was widened the Nebraska Department of Roads chose Plywall to protect a stretch of residences adjoining the right of way. This barrier varies from 8 to 13 feet high.

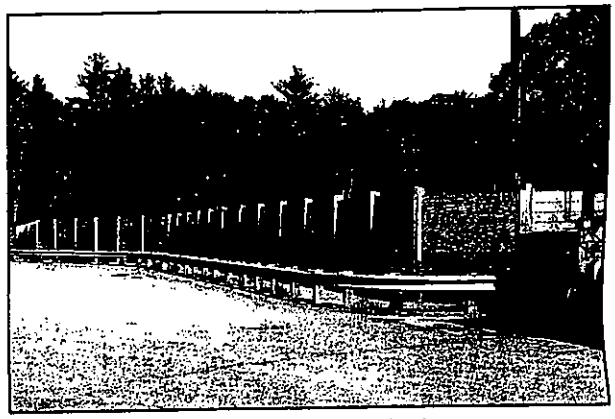
commercial fence contractor. PLYWALL is also well suited for installation by general contractors or maintenance personnel. No special skills are required.

A truck mounted auger often works well for digging the post holes. Hole diameters can be as large as 24 inches or greater for the largest posts. Recommended backfill is crushed stone, which provides excellent lateral support and allows easy removal for future relocation. Concrete footings are not required at lower heights.

Parallam® posts are set on clear spacings, or between posts of a panel width plus 1/2 inch erection tolerance. The unique panel-to-post attachment method, using spiked or lagged 4x4 cleats to create a channel, provides an expansion joint and utilizes the exposed post face to add extra linear coverage per panel.



This 15-foot high PLYWALL barrier provides temporary screening for a wastewater project under construction.



PLYWALL's installation creates very little site disturbance. This barrier was installed a few months earlier with no damage to the trees or overhanging limbs. Sloping ground is easily accommodated.

Individual panels are lifted into position by a crane using the built-in loops at the top of each panel. One cleat is spiked or lagged to each post with the provided hot dipped ring shank spikes or lag bolts, and then the panel is swung into position and fixed by attachment of the opposing cleat. Panels do not have to be lowered from the top of the posts. Holes are predrilled in each cleat for the spikes or lag bolts. The finishing touches are added by simply sawing off the excess post tops and cutting off the nylon web lifting loops with a utility knife.

Field cuts and modifications are easily made to PLYWALL panels to accommodate odd span widths or other field conditions where a standard panel will not fit.

Maintenance and Finishing

PLYWALL is maintenance-free. Permanent coloration and UV resistance is provided by the CCA preservative, which also provides decades of protection against decay and termites.

If a special finish is desired, the rough texture enhances finish adhesion. Neither staining or painting

The peace and tranquility of the picturesque stone home on this site was interrupted in the early 1960's when I-285, the Atlanta perimeter road, was built right beside it. Later, the expressway was widened and a noise barrier was installed to reduce the noise level for the occupants. This is the oldest Plywall barrier and as such it demonstrates the treatment's longevity. There is no deterioration at the groundline which is the area of severest decay and termite hazard. Noise measurements were taken before and after to confirm its acoustical effectiveness.

is required, however, due to the permanent protection and coloration provided by treatment.

Relocation and Reuse

One of PLYWALL Post and Panel's major advantages is its complete relocatability. This feature has been utilized on construction projects where the barrier was moved as the work progressed, and it is an advantage on highway projects where future widening may require the barrier to be moved.

Attachments of cleats with hot dipped galvanized lag bolts instead of spikes allows damage-free removal of cleats and panels. Parallam® posts, when set in crushed stone, can be pulled without damage for re-use. None of the components are damaged or destroyed during removal.

Repairs

Vehicle damage can be readily repaired. Entire replacement panels can be provided or minor repairs can be done with unassembled components (lumber, plywood and nails) shipped LTL. In either case, local carpenters can make the repairs.

Pricing and Availability

PLYWALL prices are quoted for individual jobs and are subject to some variability due to fluctuations in the cost of untreated wood. Lead time is approximately 60 days for most orders.

For More Information Contact PLYWALL SALES:

1-800-531-5558

FAX 706/595-8462

WEB Address • FRTW.com E-mail • hoover@FRTW.com

HOOVER
TREATED WOOD PRODUCTS, INC.
P.O. Box 746 • Thomson, GA 30824

Township of Brick
Zoning Permit

Approved: Monday, March 13, 2006 **Number:** 229

Block 1170 **Lot** 18 **Zone:** H-S, Hospital Supp.

Property Address: 425 Jack Martin Boulvard

Applicant: John Sisto; Supreme Conditioning, Inc.

Property Owner Northern Ocean Hospital System, Inc.

Existing Use: Ocean Medical Center

Proposed Use: Ocean Medical Center

Proposed Construction: Sound barrier wall, 72 feet long, 12 feet high.

Conditions: Abridged site plan appproved by the Planning Board.
Case No. ABTR-236-A-12/05.
Lewtetr dated January 12, 2006.

This permit shall be null, void and of no effect if any of the facts contained in the application upon the basis that this permit was granted are false or untrue in any material respect. This permit shall expire one (1) year after the date of issuance if the use or substantial construction has not been commenced.

Michael P. Fowler, AICP/PP
Principal Planner

Sean Kinnevy
Zoning Officer

FEB 23 2006

MAR 10 2006

TOWNSHIP OF BRICK ZONING PERMIT APPLICATION

(Please Type or Print Neatly in Ink, Not Pencil)

Applications missing any of the following information will delay processing and may be returned to you.

BLOCK 1170 LOT 18 QUALIFIER _____

PROPERTY ADDRESS 425 Jack Martin Blvd.

PERSONAL NAME OF APPLICANT John Sisto

BUSINESS NAME OF APPLICANT Supreme Contracting Inc

MAILING ADDRESS OF APPLICANT PO Box 206 Harvey NJ 07730

PROPERTY OWNER'S FULL NAME Ocean Medical Center

PRESENT USE OF PROPERTY (check all that apply)

☐ Vacant Lot ☐ Single-family dwelling ☐ Multi-family dwelling
☒ Commercial (please describe) Ocean Medical C

PROPOSED USE OF PROPERTY (check all that apply)

☐ Vacant Lot ☐ Single-family dwelling ☐ Multi-dwelling
☒ Commercial (please describe) Ocean Medical C

PROPOSED CONSTRUCTION (check all that apply)

☐ New Building (please describe) _____ Height _____
☐ Addition - Height _____
☐ Alteration
☐ Porch or deck - Height _____
☐ Shed - Height 1 Existing
☒ Fence - Type 12'x 72' Long Sound Wall Height 12'
☐ Swimming Pool ☐ in-ground ☐ above-ground
☐ Other (please describe) _____

CHECKLIST

☐ All information completed above
☐ Two (2) copies of a plot plan containing:
☑ All existing and proposed structures
☐ All dimensions of the lot and structures
☑ All setbacks from the structures to the property lines
☐ All adjacent streets and waterways
☐ If applicable, include a copy of the Zoning Board of Adjustment Resolution, the date that the map was signed, and/or the date that the subdivision map was filed with the Ocean County Clerk, along with the file map and number.

Note: No partial, taped, faxed, reduced or enlarged copies can be accepted.

The applicant certifies that all statements and information made and provided as part of this application are true to the best of the applicant's knowledge, information and belief. The applicant further states that the applicant will comply with all other Municipal approvals and ordinances, and all County, State, and Federal Regulations.

SIGNATURE OF APPLICANT _____ Date 1/24/06

Reviewed by Zoning Office _____ Date 2/27/06 (☐ Approved ☒ Denied

STC 3/13/6

LB 1/23/06

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

Department of Engineering
Office of the Municipal Engineer
(732) 262-1040
Fax: (732) 262-8954
http://www.twp.brick.nj.us

February 27, 2006

John Sisto
Supreme Conditioning, Inc.
PO Box 206
Hazlet, NJ 07730

Re: Block 1170, Lot 18
425 Jack Martin Boulevard
Zoning Permit Application

Dear Mr. Sisto:

Your zoning permit application for a fence/wall on the referenced property cannot be approved because your application is incomplete, as noted.

Please complete and resubmit your application to the Division of Inspections office.

Very truly yours,

Sean Kinnevy

Sean Kinnevy
Zoning Officer

C: Scott MacFadden, Business Administrator
Michael Fowler, Principal Planner
Daniel Newman, Jr., Construction Official
Kim Bogan, Land Use Secretary

3/9/06 - Resilence - KT

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

Department of Engineering
Office of the Municipal Engineer
(732) 262-1038
Fax: (732) 262-8954
http://www.twp.brick.nj.us

Date:_____

Block: 1170 Lot: 18

Property Address: 425 J M Blvd

I,_____ of _____
(name) (address)

request to be exempt from the plot plan requirement for an addition, fence, shed, deck, pool, retaining wall, ect. as outlined in the Brick Land Use Book, Chapter 190.31, Part B.

_____
Applicant's Signature

The following shall be submitted with this request:

1. Submit surveys locating existing dwelling and proposed addition. Dimensions of the addition should be included.

2. Proof that the property is not located in a Flood Hazard Area.

Note: Prior to approval a site inspection by the Engineering Department will be performed to verify that the proposed addition will not create a drainage problem.

FOR OFFICE USE ONLY

Approved on: 3/21/06 Signed: _____

Rejected on: _____ Signed: _____

Comments:

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

Planning Board

(732) 262-1045
Fax: (732) 262-8954
http://www.twp.brick.nj.us

January 12, 2006

Supreme Conditioning, Inc.
120 Francis Street
Keyport, NJ 07735

Re: ABR-236-A-12/05
Supreme Conditioning, Inc,
Block 1170, Lot 18
(Ocean Medical Center)

Dear Mr. Sisto:

The Planning Board discussed your request for an abridged site plan approval at a work session meeting on January 4, 2006 for an addition under 1,000 SF to construct a twelve foot high seventy two foot long sound wall to be placed adjacent to the cooling towers at the Ocean Medical Center. Attached is a copy of the report from Michael P. Fowler, Municipal Planner which was adopted at the public meeting on January 11, 2006.

During discussion, the Planning Board strongly recommended the proposed wall to be constructed with greater sound protection than the proposed fence type wall submitted with your application (information enclosed).

Your request for abridged site plan is approved conditioned upon compliance with the attached Fire Safety Report. All other necessary approvals must be obtained.

Yours truly,

Judith Fox Nelson

Judith Fox Nelson, Secretary

Cc: Daniel Kelly, Chairman
Michael P. Fowler, AICP/PP
Dan Newman, Construction Official
James Priolo, P.E., C.M.E., Municipal Engineer
Sean Kinnevy, Zoning Officer
Kevin Batzel, Bureau of Fire Safety
Mike Jahoda, Ocean Medical Center

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

Department of Administration & Finance
Division of Land Use Management
Michael P. Fowler, AICP/PP
Municipal Planner
(732) 262-1042
Tara B. Paxton, AICP/PP
Assistant Municipal Planner
(732) 262-4783
Fax: (732) 262-8954
http://www.twp.brick.nj.us

TO: Brick Township Planning Board

FROM: Michael P. Fowler, AICP/PP
Office of Land Use & Planning

DATE: January 4, 2006

RE: Abridged Site Plan
ABR-236-A-12/05
Supreme Air Conditioning Systems
Brick Hospital
Block 1170, Lot 18

We are in receipt of the above application for an Addition under 1000 sq ft and in reviewing same offer the following comments for your consideration.

Existing Conditions:

The subject site contains Ocean Medical Center (Brick Hospital). For a number of years, the Township and the Hospital have received complaints from adjacent residential neighbors concerning noise from the Hospital's cooling towers.

Proposal:

The Applicant proposes to construct a 12 foot high seventy-two foot long sound wall between the cooling towers and the closest residents, whose rear property lines are approximately eighty feet from the proposed sound wall. The sound wall will be placed adjacent to the cooling towers. Although the towers are over twenty-five feet high, there is noise being generated below twelve feet, which will be muffled by the sound wall, according to the Applicant.

Ordinance Compliance:

Item	Required	Proposed
Addition Size	Must be under 1,000 sq ft	Less than 1,000 sq ft
Variance	None may be required	None required
Parking	No additional may be required	No additional spaces required
Internal Driveways	No alteration required, no intrusion	No alteration or intrusion
Drainage	No alteration to existing drainage	No alteration to drainage
Landscaping	No reduction or Intrusion	No reduction no intrusion
Property Maintenance	Must be fully adhered to	Code adhered to as per Code Enforcement inspection conducted on 12/12/05
Taxes	Taxes must be paid to date	Exempt from Taxes
Prior Approvals	Must be in full compliance	In compliance

Based upon the above information, the application for an Abridged Site Plan for an addition less than 1,000 sq ft, for a 12 foot high, 74 foot long sound wall, is recommended for approval. The approval is limited the sound wall depicted on the site plan prepared by Yorkanis and White, Inc. dated 12/5/05.

MPF/kb

BRICK TOWNSHIP
BUREAU OF FIRE SAFETY

500 Herbertsville Road
Brick Township, New Jersey 08724
(732) 458-4100
FAX: (732) 458-4153

December 12, 2005
District 2

Office of the Planning Board
401 Chambers Bridge Road
Brick, New Jersey 08723

BLOCK: 1170 LOT: 18

A.B.R. #: 236

ENGINEER/FILE #: n/a.

SITE PLAN FEE: Received

APPLICANT: Supreme Conditioning Inc.
120 Francis St.
Key Port, NJ 07735

OWNER: Ocean Medical Center
425 Jack Martin Blvd.
Brick, NJ 08724
Morristown, NJ 07960

LOCATION: 425 Jack Martin Boulevard (Ocean Medical Center)

PROPOSED USE/DESCRIPTION: Existing hospital site requesting to install a new sound barrier around existing water towers approximately 74 foot long. No other changes proposed.

The above referenced abridged site plan has been reviewed and accepted with the following notation.

1. All existing fire lanes, zones, fire signs, and striping, to be maintained on site.

Very truly yours,

Kevin C. Batzel
Bureau Chief/Fire Marshal

KCB/mt

INSITE
Engineering • Surveying • Planning

FOUNDATION DESIGN CALCULATIONS

for the

PROPOSED POST AND PANEL SOUND BARRIER SYSTEM

at

OCEAN MEDICAL CENTER

OCEAN COUNTY, NJ

has been prepared by

InSite Engineering, LLC
1205 State Route 35
Ocean, N.J. 07712
732-531-7100
CERT OF AUTHORIZATION 24GA28083200

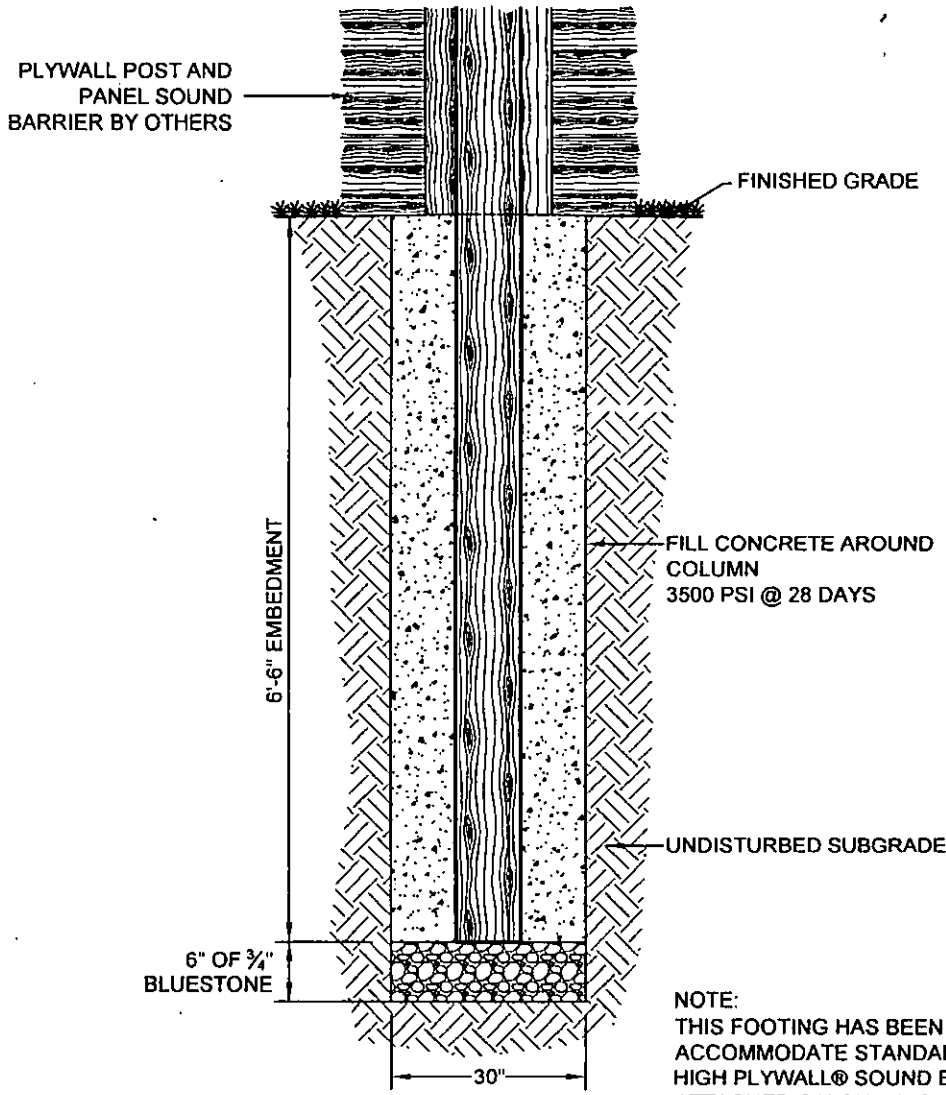
on

February 15, 2006

OFFICE COPY

Jonathan W. Ker

Jonathan W. Ker, P.E.
NJPE 43834



NOTE:
THIS FOOTING HAS BEEN DESIGNED TO ACCOMMODATE STANDARD 30 PSF 8' WIDE BY 12' HIGH PLYWALL® SOUND BARRIER. SEE ATTACHED CALCULATIONS FOR ADDITIONAL INFORMATION.

DETAIL: CONCRETE POST FOOTING

NTS

CONCRETE POST FOOTING DETAIL

INSITE
Engineering • Surveying • Planning

CERT. OF AUTHORIZATION
24GA28083200
1205 STATE ROUTE 35
OCEAN, NJ 07712
732-531-7100 (Ph)
732-531-7344 (Fx)
InSite@insiteeng.net

Site Location:
Ocean Medical Center

InSite Project No.
06-066-02

Drawing No.
06-066-02r0

Date
FEBRUARY 15, 2006

Revisions

CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL AND MAY HAVE BEEN ALTERED.

NJPE LIC. NO. 43834

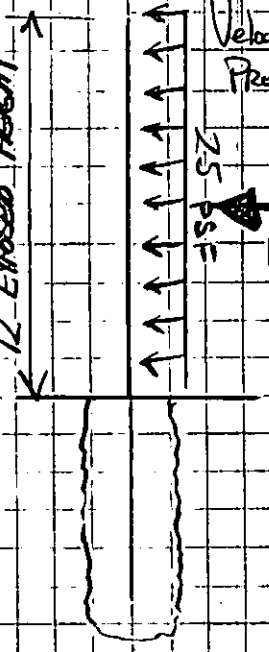
JONATHAN KER, PE

FOUNDATION DESIGN FOR PLYWALL POST & PANEL SOUND BARRIER

DESIGN CRITERIA: 72' WALL LENGTH; 8' PANELS

CONFIRM WIND LOADING:

$$F = P_V I K_z G_h C_f A_F$$



P_V = 18.5 psf (85 MPH BASIC WIND SPEED)

I = 1.1

K_z = .37 (0-15') EXPOSURE B

G_h = 1.65 EXPOSURE B

C_F = 2.0

WIND FORCE ON POLE:

$$F = 18.5(1.1)(.37)(1.65)(2.0)A_F$$

$$F = 25 \text{ psf } A_F$$

A_F = 8' (Col. spacing) x 12' (Exp. Height)

= 96 ft²

ACTUAL SPACING PER DETAIL PROVIDED BY MANUFACTURER

104.25" = 8.7'

A_F = 8.7' x 12' = 104.4 ft²

F = 2610 lbs

FOOTING DESIGN

UNCONSTRAINED AT GROUND SURFACE

LATERAL BEARING = 150 $^{lb}/_{ft^2}/ft$

TABLE No 29-B

b = DIAMETER OF ROUND FOOTING = 30" = 2.5'

$$S_1 = 150\ ^{lb}/_{ft^2}/ft \left(\frac{6.5}{3}\right)(2) = 650$$

$\left(\frac{1}{3}\text{ DEPTH EMBED}\right)\left(\frac{1}{2}\text{ MOUE WIND}\right)$

$$A = \frac{2.34P}{S_1 b}$$

$$= \frac{2.34(2610)}{650(2.5)} = 3.75$$

$$d = \frac{A}{2}\left(1 + \sqrt{1 + \frac{1.36h}{A}}\right)$$

$$= \frac{3.75}{2}\left(1 + \sqrt{1 + \frac{1.36(6)}{3.75}}\right)$$

$$= 7.17 \approx 6.5'$$

($d = 4.45$ CONSTRAINED @ GRADE SURFACE)

MANUFACTURER'S REC. $d = \frac{1}{2}$(EXPOSED WALL HEIGHT) = 6

USE 6.5

EMBEDMENT OF POSTS SUBJECTED TO OVERTURNING FORCES

INPUT:

P = 2610 lbs Applied lateral force in pounds

b= 2.5 ft Diameter of round post or diagonal dimension of square post (feet)
h= 6 ft Distance in feet from ground surface to point of "P"

Lateral Bearing Factors	150	psf/ft	= Lateral Bearing (psf/ft of depth below natural grade)
	2		= Increase Factor in Lateral Force due to Wind, 1/2" movement, etc.
	6.9	ft	= Assumed depth for Lateral Bearing Calculation

S1= Lateral Bearing x 1/3(Embedment) x Increase Factor

S1= 690 psf Allowable soil-bearing pressure based on one third depth of embedment

Required for Constrained at Ground Surface:

S3= psf Allowable lateral soil-bearing pressure based on depth equal to the depth of embedment

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A= 3.54

Depth of embedment required to resists lateral loads w/ no constraint at ground surface

d= 6.90 ft

EMBEDMENT OF POSTS SUBJECTED TO OVERTURNING FORCES

INPUT:

P =	2610	lbs	Applied lateral force in pounds
b=	2.5	ft	Diameter of round post or diagonal dimension of square post (feet)
h=	6	ft	Distance in feet from ground surface to point of "P"

Lateral Bearing Factors	150	psf/ft	= Lateral Bearing (psf/ft of depth below natural grade)
	2		= Increase Factor in Lateral Force due to Wind, 1/2" movement, etc.
	4.4	ft	= Assumed depth for Lateral Bearing Calculation

S1= Lateral Bearing x 1/3(Embedment) x Increase Factor

S1= [ ] psf Allowable soil-bearing pressure based on one third depth of embedment

Required for Constrained at Ground Surface:

S3= 1320 psf Allowable lateral soil-bearing pressure based on depth equal to the depth of embedment

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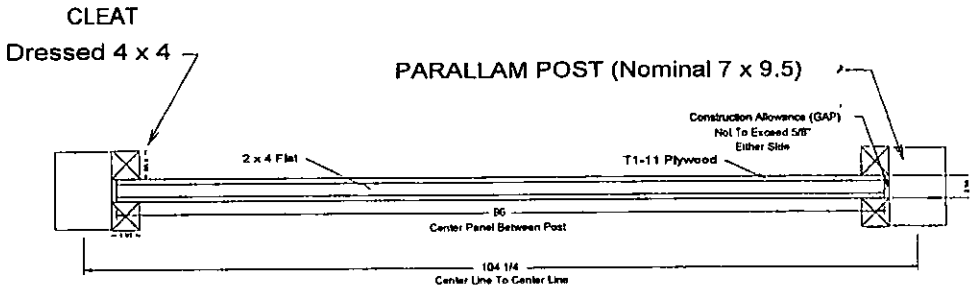
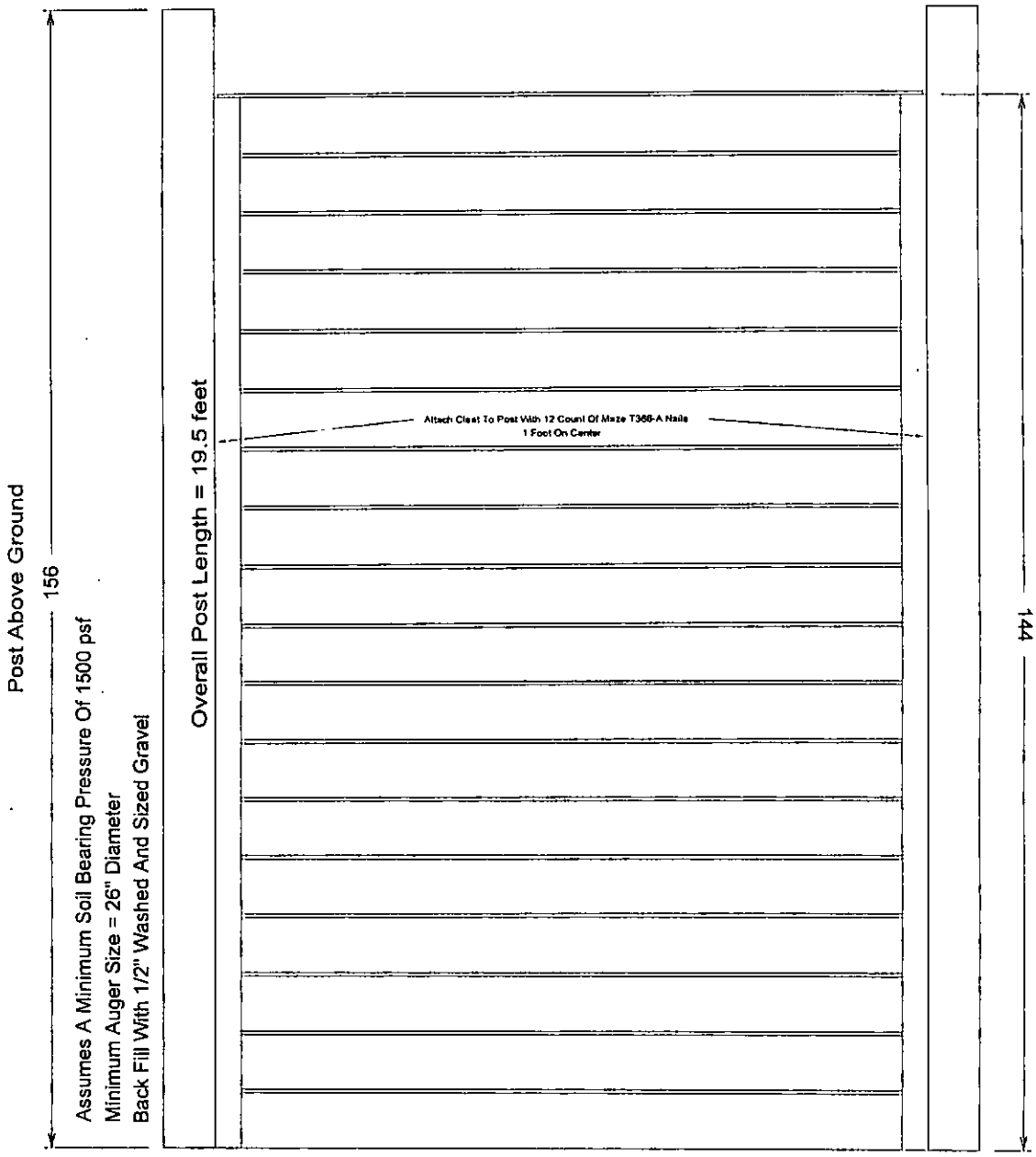
Depth of embedment required to resists lateral loads with constraint at ground surface

d= 4.4909

PLYWALL®

WALL SECTION DETAIL





STANDARD 30 psf 8' Wide X 12' High rev: 02-7-05

HOOVER
TREATED WOOD PRODUCTS, INC.

154 Wire Road, Thomson, GA 30824
Phone: (706) 595-1264 or 1-800-531-5558
Fax: (706) 595-6600 Web: www.plywall.com

TECHNICAL NOTE

PLYWALL®

THE SOUND SOLUTION

FOR ADDITIONAL INFORMATION: 1-800-TEC-WOOD (832-9663)

PLYWALL SOUND BARRIER SAMPLE SPECIFICATION

1. **DESCRIPTION:** This work shall consist of the construction of sound barrier consisting of Plywall panels as manufactured by Hoover Treated Wood Products, Inc., supported by Parallam® PSL posts as manufactured by Trus Joist *A Weyerhaeuser Business*. Sound Barrier shall be designed to withstand a wind load of (20 to 40 psf) (0.958 to 1.915 kN/sm).

2. **MATERIALS:** Materials shall conform to the following:

2.1 **SOUND BARRIER PANELS** – Panels shall be fabricated as (one) (two) (three) piece "Plywall" panels (6 to 24 ft./1.8 to 7.3m) high by (8ft./2.44m OR 12ft./3.66m OR 16ft./4.88m) wide, as manufactured by Hoover Treated Wood Products, Inc. Panels design shall have been tested in accordance with ASTM E-90 and ASTM E-413 and shall result in a sound transmission class of 38 or better. Panels shall consist of a structurally sound frame of 2" by 4"/51mm by 102mm or 2" by 6"/51mm by 153mm (nominal) Southern Yellow Pine lumber, surfaced four sides, covered on both panel faces by shiplap-jointed, APA-303 specialty siding, Southern Pine, exposure durability classification Exterior, Texture 1-11, 5-ply, 19/32"/15mm thick, grooves 8"/200mm o.c., wood patches. All wood used in panel construction shall be pressure preservative treated with CCA preservative to a minimum net retention of (0.40 pcf) (6.4 kg/m^3) in accordance with American Wood Preservers Association C-2 and C-9. All plywood siding and 2"/50mm (nominal) lumber shall be kiln dried after treatment to a moisture content of 19% or less. All panel sections shall be fabricated prior to shipment. All panels shall have two nylon lifting webs, securely attached along the top.

2.2 **SUPPORT POSTS** – Posts shall be ____"/____mm x ____"/____mm x ____ft/____m long (from wind load/height chart), Parrallam® PSL Southern Pine Parallel Strand Lumber, 2.0 E, as manufactured by Trus Joist *A Weyerhaeuser Business*. Minimum net retention of preservative shall be 0.40 pcf/9.6kg/m^3 of CCA. Posts shall be bundled so that each layer is separated by wood spacers to allow air drying after treatment. The length of the post may vary from Hoover's standard chart if owner's engineer so determines. This length change would be required to conform to hole/foundation requirements.

2.3 **CLEATS** – Vertical cleats for attaching panels to posts shall be 4" x 4" /102mm x 102mm (nominal) Southern Pine timbers, surfaced four sides. Minimum net retention shall be (0.40 pcf/6.4 kg/m^3) of CCA preservative.

2.4 **FASTENERS** – All nails, spikes (or lag bolts, if applicable) shall be hot dip galvanized zinc coated per ASTM A-153.

2.5 **SOURCING** – All Wood Sound Barrier System Materials, including posts, panels and cleats shall be treated and fabricated at one location. The following is a list of known suppliers:

Hoover Treated Wood Products, Inc., 1-800-531-5558.

3. **CONSTRUCTION**

3.1 **MATERIAL UNLOADING AND STORAGE** – Contractor shall provide suitable unloading equipment and storage space for Sound Barrier Materials. Sound Barrier Materials shall be kept off the ground and shall be protected from mud, splattering, staining, vandalism or physical damage.

3.2 **POST HOLES** – Post holes shall be augered to the require diameter and depth, which shall be determined by the owner's engineer (Hoover provides standard recommendations based on assumed soil properties). Spacing shall allow post to be centered within the hole and allow the post to be installed to the center-to-center required measurement which is dependant on the post size and panel width (see center-to-center chart). Posts may shrink slightly after erection. The contractor shall take all measures and precautions necessary to prevent collapse of the holes sides. Actual post width shall be checked at delivery. Actual panel width shall also be verified at delivery.

3.3 **POST SETTING** – Posts shall be set plumb and in precise position to accept panels and shall be braced in such a manner as to remain plumb and in the required lateral position during backfilling. Post spacing shall allow clear spans between posts equal to the panel width plus a maximum one and one quarter inch/31.8mm tolerance. In no case shall the erection tolerance between posts exceed 1-1/4 inch.

3.4 **BACKFILLING** – (Crushed stone) Backfill consisting of washed and well graded ½" gravel shall be placed around the posts in six-inch/153mm maximum lifts and shall be compacted between lifts. Compaction shall be achieved by making a minimum of three passes per lift with a flat faced mechanical tamper. After backfilling is complete the gravel must be covered with an earthen berm at least three inches in height. This berm should extend slightly past the gravel and should slope away from the post. This berm is intended to help slow down rain intrusion of water to the soil surrounding the gravel.

3.5 **BACKFILLING** – (concrete) (per engineer)

3.6 **BACKFILLING** – (reinforced concrete) (per engineer)

3.7 **ATTACHMENT OF REAR CLEATS** – Prior to setting panels, the rear cleats shall be fully attached to each post to support the Sound Barrier panels during placement. Cleats shall be placed at an elevation that will insure support of the panel over the entire height. The rear edge of the cleat shall be placed such that the panel end's center-line is aligned with the presented post face's center-line. The cleats shall be attached with properly sized hot dip galvanized zinc coated (spikes) (lag bolts) as shown. **Note:** Contractor may attach rear cleats prior to setting posts.

3.8 **SETTING PANELS** – Sound Barrier panels shall be lifted by the provided lift straps and seated firmly against the prefixed rear cleats in a manner which maintains panel plumb and level and equally divides the construction gap to each side (center panel between post – do not place panel all the way to one side against the post). The panel will then be secured by attaching the front cleats to the posts along the unsecured panel face. Nails shall not be driven into the panel. **Note:** Front cleats shall be firmly and securely fixed to the post at both ends before releasing lifting straps.

3.9 **PANEL BOTTOM EMBEDMENT** – Bottom of panels shall be (embedded in the earth per_____ to prevent the passage of sound) (backfilled with crushed stone per _____to prevent the passage of sound and to provide drainage).

3.10 **FIELD TRIMMING OF POST TOPS** – After panels have been set, the post tops shall be rough trimmed (with a square cut 3"/74mm above the top of the panel) (with a peaked cut per _____) (with a beveled cut per _____).

3.11 **DISPOSAL OF TREATED WOOD SCRAPS** – Do not burn scraps. Dispose of scraps as ordinary trash. Land-filling is acceptable for CCA treated wood.

3.12 **WOOD FINISH** – (No finish is required) OR (Stain shall be applied per _____.)

Plywall-spec: 2/03

1803.4 Compacted fill material. Where footings will bear on compacted fill material, the compacted fill shall comply with the provisions of an approved report. The report shall contain the following:

1. Specifications for the preparation of the site prior to placement of compacted fill material.
2. Specifications for material to be used as compacted fill.
3. Test method to be used to determine the maximum dry density and optimum moisture content of the material to be used as compacted fill.
4. Maximum allowable thickness of each lift of compacted fill material.
5. Field test method for determining the in-place dry density of the compacted fill.
6. Minimum acceptable in-place dry density expressed as a percentage of the maximum dry density determined in accordance with Item 3.
7. Number and frequency of field tests required to determine compliance with Item 6.

Exception: Compacted fill material less than 12 inches (305 mm) in depth need not comply with an approved report, provided it has been compacted to a minimum of 90 percent Modified Proctor in accordance with ASTM D 1557. The compaction shall be verified by a qualified inspector approved by the building official.

SECTION 1804
ALLOWABLE LOAD-BEARING VALUES OF SOILS

1804.1 Design. The presumptive load-bearing values provided in Table 1804.2 shall be used with the allowable stress design load combinations specified in Section 1605.3.

1804.2 Presumptive load-bearing values. The maximum allowable foundation pressure, lateral pressure or lateral sliding resistance values for supporting soils at or near the surface shall not exceed the values specified in Table 1804.2 unless data to substantiate the use of a higher value are submitted and approved.

Presumptive load-bearing values shall apply to materials with similar physical characteristics and dispositions.

Mud, organic silt, organic clays, peat or unprepared fill shall not be assumed to have a presumptive load bearing capacity unless data to substantiate the use of such a value are submitted.

Exception: A presumptive load-bearing capacity is permitted to be used where the building official deems the load-bearing capacity of mud, organic silt or unprepared fill is adequate for the support of lightweight and temporary structures.

1804.3 Lateral sliding resistance. The resistance of structural walls to lateral sliding shall be calculated by combining the values derived from the lateral bearing and the lateral sliding resistance shown in Table 1804.2 unless data to substantiate the use of higher values are submitted for approval.

For clay, sandy clay, silty clay and clayey silt, in no case shall the lateral sliding resistance exceed one-half the dead load.

1804.3.1 Increases in allowable lateral sliding resistance. The resistance values derived from the table are permitted to be increased by the tabular value for each additional foot (305 mm) of depth to a maximum of 15 times the tabular value.

Isolated poles for uses such as flagpoles or signs and poles used to support buildings that are not adversely affected by a $^1/_2$-inch (12.7 mm) motion at the ground surface due to short-term lateral loads are permitted to be designed using lateral-bearing values equal to two times the tabular values.

TABLE 1804.2
ALLOWABLE FOUNDATION AND LATERAL PRESSURE

CLASS OF MATERIALS	ALLOWABLE FOUNDATION PRESSURE (psf)[d]	LATERAL BEARING (psf/ft below natural grade)[d]	LATERAL SLIDING	
			Coefficient of friction[a]	Resistance (psf)[b]
1. Crystalline bedrock	12,000	1,200	0.70	—
2. Sedimentary and foliated rock	4,000	400	0.35	—
3. Sandy gravel and/or gravel (GW and GP)	3,000	200	0.35	—
4. Sand, silty sand, clayey sand, silty gravel and clayey gravel (SW, SP, SM, SC, GM and GC)	2,000	150	0.25	—
5. Clay, sandy clay, silty clay, clayey silt, silt and sandy silt (CL, ML, MH and CH)	1,500[c]	100	—	130

For SI: 1 pound per square foot = 0.0479 kPa, 1 pound per square foot per foot = 0.157 kPa/m.

a. Coefficient to be multiplied by the dead load.

b. Lateral sliding resistance value to be multiplied by the contact area, as limited by Section 1804.3.

c. Where the building official determines that in-place soils with an allowable bearing capacity of less than 1,500 psf are likely to be present at the site, the allowable bearing capacity shall be determined by a soils investigation.

d. An increase of one-third is permitted when considering load combinations, including wind or earthquake loads, as permitted by Section 1605.3.2.

(e) **Footing Design.** Except for special provisions of Section 2909 covering the design of piles, all portions of footings shall be designed in accordance with the structural provisions of this code and shall be designed to minimize differential settlement.

(f) **Foundation Plates or Sills.** Foundation plates or sills shall be bolted to the foundation or foundation wall with not less than ½-inch nominal diameter steel bolts embedded at least 7 inches into the concrete or reinforced masonry or 15 inches into unreinforced grouted masonry and spaced not more than 6 feet apart. There shall be a minimum of two bolts per piece with one bolt located within 12 inches of each end of each piece. Foundation plates and sills shall be the kind of wood specified in Section 2516 (c).

(g) **Designs Employing Lateral Bearing.** 1. **General.** Construction employing posts or poles as columns embedded in earth or embedded in concrete footings in the earth may be used to resist both axial and lateral loads. The depth to resist lateral loads shall be determined by means of the design criteria established herein or other methods approved by the building official.

2. **Design criteria:** A. **Nonconstrained.** The following formula may be used in determining the depth of embedment required to resist lateral loads where no constraint is provided at the ground surface, such as rigid floor or rigid ground surface pavement.

$$d = \frac{A}{2}\left(1 + \sqrt{1 + \frac{4.36h}{A}}\right)$$

WHERE:

$$A = \frac{2.34P}{S_1 b}$$

P = Applied lateral force in pounds.

S_1 = Allowable lateral soil-bearing pressure as set forth in Table No. 29-B based on a depth of one third the depth of embedment.

S_3 = Allowable lateral soil-bearing pressure as set forth in Table No. 29-B based on a depth equal to the depth of embedment.

b = Diameter of round post or footing or diagonal dimension of square post or footing (feet).

h = Distance in feet from ground surface to point of application of "P."

d = Depth of embedment in earth in feet but not over 12 feet for purpose of computing lateral pressure.

B. **Constrained.** The following formula may be used to determine the depth of embedment required to resist lateral loads where constraint is provided at the ground surface, such as a rigid floor or pavement.

$$d^2 = 4.25\frac{Ph}{S_3 b}$$

C. **Vertical load.** The resistance to vertical loads is determined by the allowable soil-bearing pressure set forth in Table No. 29-B.

3. **Backfill.** The backfill in the annular space around columns not embedded in poured footings shall be by one of the following methods:

A. Backfill shall be of concrete with an ultimate strength of 2000 pounds per square inch at 28 days. The hole shall be not less than 4 inches larger than the diameter of the column at its bottom or 4 inches larger than the diagonal dimension of a square or rectangular column.

B. Backfill shall be of clean sand. The sand shall be thoroughly compacted by tamping in layers not more than 8 inches in depth.

4. **Limitations.** The design procedure outlined in this subsection shall be subject to the following limitations:

The frictional resistance for retaining walls and slabs on silts and clays shall be limited to one half of the normal force imposed on the soil by the weight of the footing or slab.

Posts embedded in earth shall not be used to provide lateral support for structural or nonstructural materials such as plaster, masonry or concrete unless bracing is provided that develops the limited deflection required.

(h) **Grillage Footings.** When grillage footings of structural steel shapes are used on soils, they shall be completely embedded in concrete with at least 6 inches on the bottom and at least 4 inches at all other points.

(i) **Bleacher Footings.** Footings for open-air seating facilities shall comply with Chapter 29.

EXCEPTIONS: Temporary open-air portable bleachers as defined in Sections 3323 and 3324 may be supported upon wood sills or steel plates placed directly upon the ground surface, provided soil pressure does not exceed 1200 pounds per square foot.

TABLE NO. 29-B—ALLOWABLE FOUNDATION AND LATERAL PRESSURE

CLASS OF MATERIALS[2]	ALLOWABLE FOUNDATION PRESSURE LBS. SQ. FT.[3]	LATERAL BEARING LBS./SQ. FT./ FT. OF DEPTH BELOW NATURAL GRADE[4]	LATERAL SLIDING[1]	
			COEFFICIENT[5]	RESISTANCE LBS./SQ. FT.[6]
1. Massive Crystalline Bedrock	4000	1200	.79	
2. Sedimentary and Foliated Rock	2000	400	.35	
3. Sandy Gravel and/or Gravel (GW and GP)	2000	200	.35	
4. Sand, Silty Sand, Clayey Sand, Silty Gravel and Clayey Gravel (SW, SP, SM, SC, GM and GC)	1500	150	.25	
5. Clay, Sandy Clay, Silty Clay and Clayey Silt (CL, ML, MH and CH)	1000[7]	100		130

[1]Lateral bearing and lateral sliding resistance may be combined.

[2]For soil classifications OL, OH and PT (i.e., organic clays and peat), a foundation investigation shall be required.

[3]All values of allowable foundation pressure are for footings having a minimum width of 12 inches and a minimum depth of 12 inches into natural grade. Except as in Footnote 7 below, increase of 20 percent allowed for each additional foot of width and/or depth to a maximum value of three times the designated value.

[4]May be increased the amount of the designated value for each additional foot of depth to a maximum of 15 times the designated value. Isolated poles for uses such as flagpoles or signs and poles used to support buildings which are not adversely affected by a ½-inch motion at ground surface due to short-term lateral loads may be designed using lateral bearing values equal to two times the tabulated values.

[5]Coefficient to be multiplied by the dead load.

[6]Lateral sliding resistance value to be multiplied by the contact area. In no case shall the lateral sliding resistance exceed one half the dead load.

[7]No increase for width is allowed.

Conditions and Certification

This report was prepared on the basis of certain information provided by the manufacturer (Hoover Treated Wood Products) and the Client. InSite Engineering accepts no responsibility for the accuracy of this information. The analysis assumes that the wall will be constructed properly in accordance with manufacturer's specifications and maintained. This report is for the conditions and dimensions described herein and is not valid for any other conditions or arrangement. The report is for the foundation only. Design and/or evaluation of the noise barrier is beyond the scope of this report. InSite Engineering accepts no liability for any work or services performed by any person or entity employed by the Client or others in connection with the implementation of recommendations in this report. All such persons or entities shall be solely responsible to whom employed or contracted with them. All work shall conform to the requirements of the International Building Code (IBC) 2000. The design assumes that all construction will be above the groundwater elevation. Contractor shall verify that the groundwater elevation is below proposed construction. The design assumes a conservative value for allowable lateral soil bearing pressure of 150 lbs./sq. ft./ ft. of depth (silty sand).