



# DESIGN REVIEW REQUEST

- DOWNTOWN DESIGN (DK)
- HISTORIC ZONING (H)
- INFILL HOUSING (IH)

RAYMOND NORMAN

Applicant

7-B-20-DT

Date Filed

06/26/20

Meeting Date (if applicable)

07/22/20

File Number(s)

## CORRESPONDENCE

All correspondence related to this application should be directed to the approved contact listed below.

- Owner
- Contractor
- Engineer
- Architect/Landscape Architect

RAY NORMAN

Name

Company

211 PERIMETER CENTER PARKWAY NE, SUITE 210 ATLANTA GA

Address

City

State

Zip

30346

404-975-5834

Phone

RAY.NORMAN@EXP.COM

Email

cell 678-313-0028

## CURRENT PROPERTY INFO

AT&T JOSEPH ESTEP

Owner Name (if different from applicant)

Owner Address

502-582-1586

Owner Phone

410 WEST MAGNOLIA AVE - KNOXVILLE TN

Property Address

Parcel ID

094EK002

Neighborhood

## AUTHORIZATION

Lindsay Crockett

Staff Signature

Lindsay Crockett

Please Print

6/26/20

Date

Raymond A. Norman

Applicant Signature

RAYMOND A. NORMAN

Please Print

06/26/20

Date

# REQUEST

DOWNTOWN DESIGN

**Level 1:**

- Signs     Alteration of an existing building/structure

**Level 2:**

- Addition to an existing building/structure

**Level 3:**

- Construction of new building/structure     Site design, parking, plazas, landscape

*See required Downtown Design attachment for more details.*

- Brief description of work:

PLACE A GROUND MOUNTED AIR COOLED CHILLER OUTSIDE THE BUILDING WITH A 10 FOOT HIGH SOUNDWALL, SCREENED FENCING AND LANDSCAPING IMPROVMENTS. MODIFICATION OF AN APPROVED COA FILE # 2-B-20-DT WHICH HAD THE CHILLER ON A TRAILER.

HISTORIC ZONING

**Level 1:**

- Signs     Routine repair of siding, windows, roof, or other features, in-kind; Installation of gutters, storm windows/doors

**Level 2:**

- Major repair, removal, or replacement of architectural elements or materials     Additions and accessory structures

**Level 3:**

- Construction of a new primary building

**Level 4:**

- Relocation of a contributing structure     Demolition of a contributing structure

*See required Historic Zoning attachment for more details.*

- Brief description of work:

INFILL HOUSING

**Level 1:**

- Driveways, parking pads, access point, garages or similar facilities     Subdivisions

**Level 2:**

- Additions visible from the primary street     Changes to porches visible from the primary street

**Level 3:**

- New primary structure  
 Site built     Modular     Multi-Sectional

*See required Infill Housing attachment for more details.*

- Brief description of work:

STAFF USE ONLY

**ATTACHMENTS**

- Downtown Design Checklist  
 Historic Zoning Design Checklist  
 Infill Housing Design Checklist

**ADDITIONAL REQUIREMENTS**

- Property Owners / Option Holders

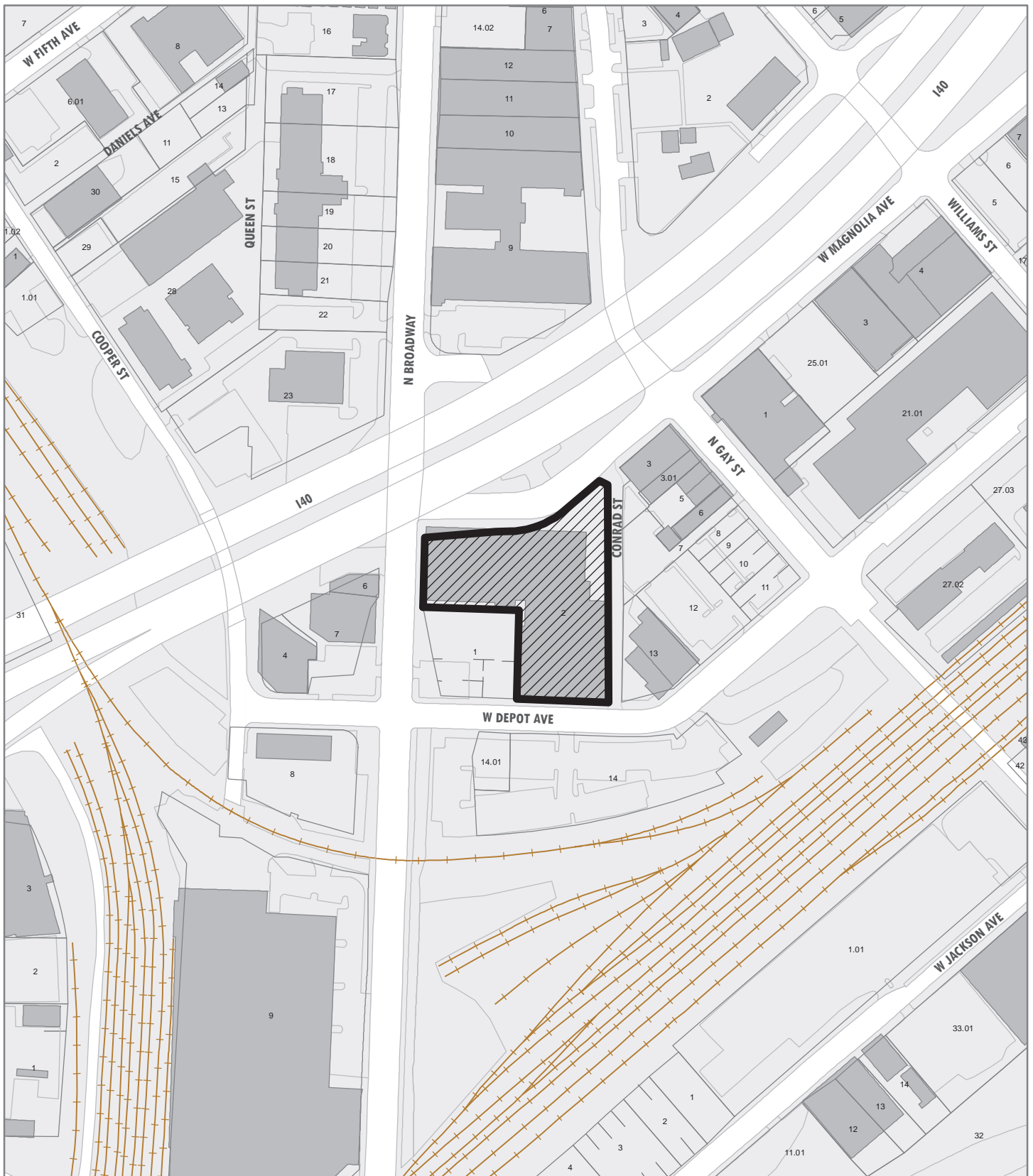
**Level 1: \$50 • Level 2: \$100 • Level 3: \$250 • Level 4: \$500**

FEE 1:

FEE 2:

FEE 3:

**TOTAL:**



**7-B-20-DT**

**APPLICATION FOR CERTIFICATE OF APPROPRIATENESS**

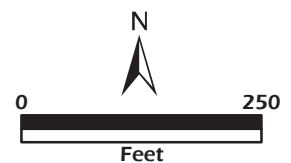
Petitioner: Raymond Norman / EXP

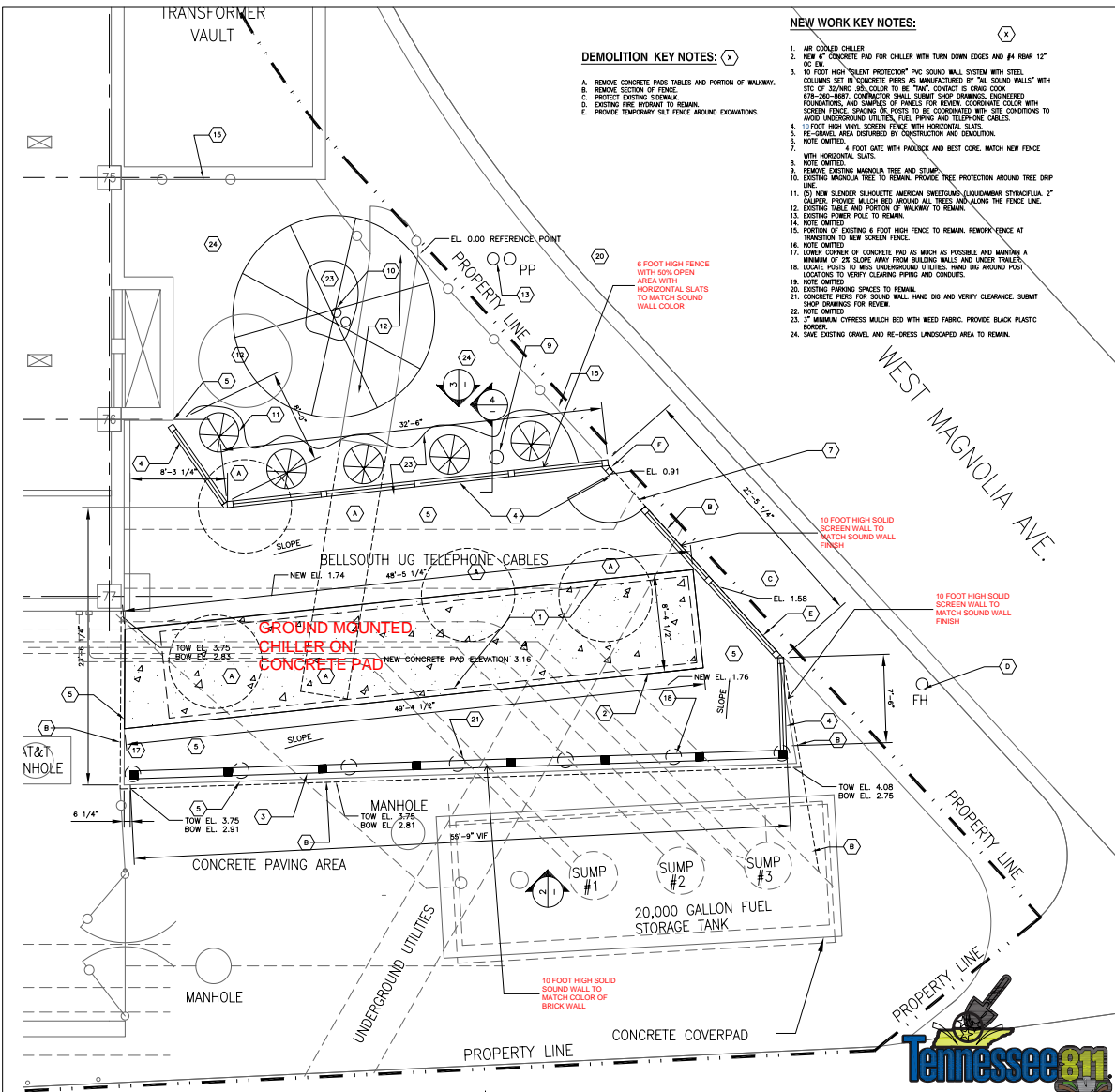
**DOWNTOWN  
DESIGN  
REVIEW  
BOARD**



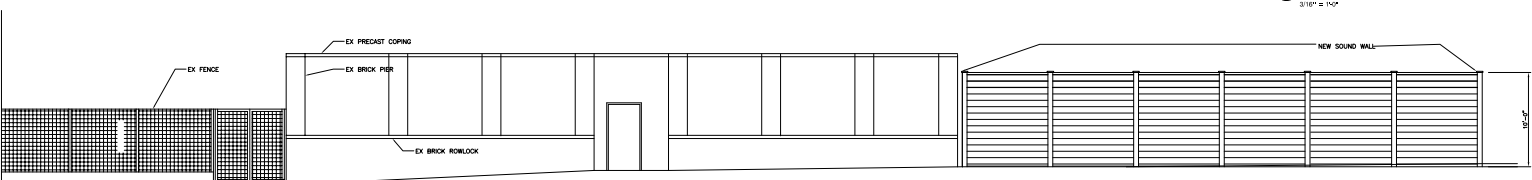
**410 W. Magnolia Ave.**  
Level 2: Addition to an existing  
building/structure

Original Print Date: 7/8/2020  
Revised:  
Knoxville/Knox County Planning · Downtown Design Review Board





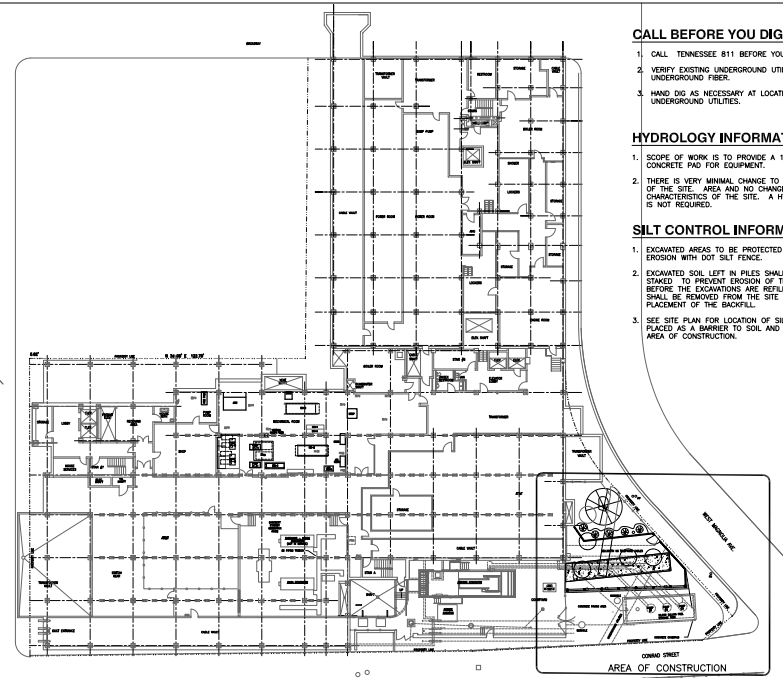
**1 (PHASE 1) COURT YARD PARTIAL NEW WORK PLAN**  
 1/8" = 1'-0"  
 north



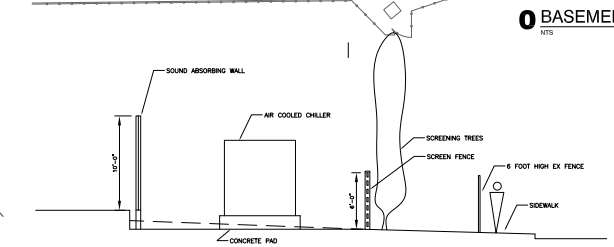
**2 (PHASE 1) SOUND WALL ELEVATION**  
 3/16" = 1'-0"

- NEW WORK KEY NOTES:**
- AIR COOLED CHILLER
  - NEW 4" CONCRETE PAD FOR CHILLER WITH TURN DOWN EDGES AND #4 REBAR 12" OC 18"
  - 10 FOOT HIGH "SILENT PROTECTOR" PVC SOUND WALL SYSTEM WITH STEEL COLUMNS SET IN CONCRETE PIERS AS MANUFACTURED BY "ALL SOUND WALLS" WITH SFC OF 25.0. COLOR TO BE TYP. CONTACT S. LONG COOK 878-260-8887. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, ENGINEERED FOUNDATIONS, AND COMPLETES OF PANELS FOR REVIEW. COORDINATE COLOR WITH SCREEN FENCE SHADING OR POSTS TO BE COORDINATED WITH SITE CONDITIONS TO AVOID UNDERGROUND UTILITIES, PIPES, PILING AND TELEPHONE CABLES.
  - 10 FOOT HIGH WIND SCREEN FENCE WITH HORIZONTAL SLATS.
  - RE-DRESS AREA DISTURBED BY CONSTRUCTION AND DEMOLITION.
  - NOTE OMITTED.
  - 4 FOOT GATE WITH PADLOCK AND BEST CORE. MATCH NEW FENCE WITH HORIZONTAL SLATS.
  - NOTE OMITTED.
  - REMOVE EXISTING MANGLIA TREE AND STUMP.
  - EXISTING MANGLIA TREE TO REMAIN. PROVIDE TREE PROTECTION AROUND TREE DRIP LINE.
  - NEW SLENDER SILKHOKE AMERICAN SWEETGUM (LIQUIDAMBAR STYRACIFLUA 2" CALIPER. PROVIDE MULCH BED AROUND ALL TREES AND ALONG THE FENCE LINE.
  - EXISTING SILENCE AND PORTION OF WALKWAY TO REMAIN.
  - EXISTING POWER POLE TO REMAIN.
  - NOTE OMITTED.
  - PORTION OF EXISTING 6 FOOT HIGH FENCE TO REMAIN. REWORK FENCE AT TRANSITION TO NEW SCREEN FENCE.
  - NOTE OMITTED.
  - LOWER CORNER OF CONCRETE PAD AS MUCH AS POSSIBLE AND MAINTAIN A MINIMUM OF 2% SLOPE AWAY FROM BUILDING WALLS AND UNDER TANKS.
  - LOCATE POSTS TO MISS UNDERGROUND UTILITIES. HAND DIG AROUND POST LOCATIONS TO VERIFY CLEARING PIPING AND CONDUITS.
  - NOTE OMITTED.
  - EXISTING SWAYING SPACES TO REMAIN.
  - CONCRETE PIERS FOR SOUND WALL. HAND DIG AND VERIFY CLEARANCE. SUBMIT SHOP DRAWINGS FOR REVIEW.
  - NOTE OMITTED.
  - 7" MINIMUM CYPRESS MULCH BED WITH WEED FABRIC. PROVIDE BLACK PLASTIC BORDER.
  - SAVE EXISTING GRAVEL AND RE-DRESS LANDSCAPED AREA TO REEEL.

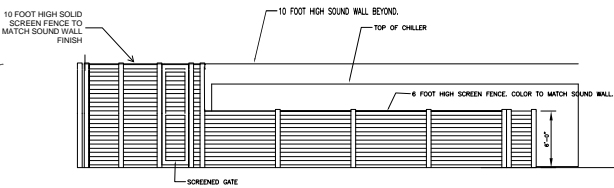
- DEMOLITION KEY NOTES:**
- REMOVE CONCRETE PAVES TABLES AND PORTION OF WALKWAY.
  - REMOVE SECTION OF FENCE.
  - PROTECT EXISTING SIDEWALK.
  - EXISTING FIRE HYDRANT TO REMAIN.
  - PROVIDE TEMPORARY SILT FENCE AROUND EXCAVATIONS.



**0 BASEMENT KEY PLAN**  
 north



**4 (PHASE 1) SECTION**  
 3/16" = 1'-0"



**3 (PHASE 1) SCREEN WALL ELEVATION**  
 3/16" = 1'-0"

- CALL BEFORE YOU DIG:**
- CALL TENNESSEE 811 BEFORE YOU DIG.
  - VERIFY EXISTING UNDERGROUND UTILITIES AND AT&T UNDERGROUND FIBER.
  - HAND DIG AS NECESSARY AT LOCATIONS OF UNDERGROUND UTILITIES.
- HYDROLOGY INFORMATION:**
- SCOPE OF WORK IS TO PROVIDE A 1,283 SF CONCRETE PAD FOR EQUIPMENT.
  - THERE IS VERY MINIMAL CHANGE TO THE HYDROLOGY OF THE SITE. AREA AND NO CHANGE TO THE FLOW CHARACTERISTICS OF THE SITE. A HYDROLOGY STUDY IS NOT REQUIRED.
- SILT CONTROL INFORMATION:**
- EXCAVATED AREAS TO BE PROTECTED FROM SOIL EROSION WITH DOT SILT FENCE.
  - EXCAVATED SOIL LEFT IN PILES SHALL BE STAKED AND STAKED TO PREVENT EROSION OF THE PLACED SOIL BEFORE THE EXCAVATIONS ARE REFILLED. EXCESS SOIL SHALL BE REMOVED FROM THE SITE IMMEDIATELY UPON PLACEMENT OF THE BACKFILL.
  - SEE SITE PLAN FOR LOCATION OF SILT FENCE TO BE PLACED AS A BARRIER TO SOIL AND TO DEFINE THE AREA OF CONSTRUCTION.

CONSULTANT STAMP

exp U.S. Services Inc.  
 211 ParkCenter Plaza NE  
 Atlanta, GA 30328  
 www.exp.com

REVISIONS / AUTHORIZATIONS

NO.	REVISION / AUTHORIZATION	DATE	BY

PROPRIETARY AT&T INFORMATION  
 NOT FOR GENERAL USE OR DISCLOSURE OUTSIDE OF AT&T  
 THIS INFORMATION MAY ONLY BE USED BY AUTHORIZED  
 PERSONNEL OF THE LOCAL GOVERNMENT AGENCY IN CONNECTION  
 WITH APPLICATION FOR PERMITS AND AUTHORIZATIONS FOR  
 BUILDINGS, CONSTRUCTION, AND/OR ZONING CHANGES.

AT&T CORPORATE REAL ESTATE  
**PROJECT DRAWING**

410 MAGNOLIA AVE  
 KNOXVILLE, TN 37683.01 81250

ARCHITECTURAL  
**PARTIAL BASEMENT PLAN PHASE 1**

AT&T PROJECT NUMBER: 1000976  
 DATE: 01-11-2011  
 SCALE: AS NOTED

AT&T AUTHORIZATION: JOSEPH ESTEP  
 DATE: 01-11-2011  
 SHEETS: 01 - 10  
 SHEET NO: 1000976A4B101  
 SHEET NO: 4B101

**WARNING**

- ASBESTOS AND/OR POLLUTANTS
- ARE HAZARDOUS TO YOUR HEALTH
- PORTIONS OF THIS PROJECT MAY CONTAIN ASBESTOS AND/OR OTHER POLLUTANTS. VERIFICATION OF OTHER CAN BE ACCOMPLISHED ONLY BY LABORATORY TESTING. DO NOT TOUCH OR SWEEP NEAR SUSPECTED HAZARDS. BUT REPORT THEIR PRESENCE TO YOUR AT&T PROJECT REPRESENTATIVE FOR TESTING AND VERIFICATION. RETURN TO WORK IN SUCH AREAS ONLY AFTER TESTING VERIFIES THAT IT IS SAFE TO DO SO.





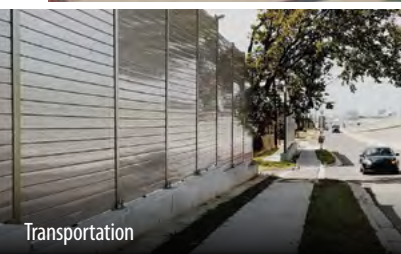
Existing fence



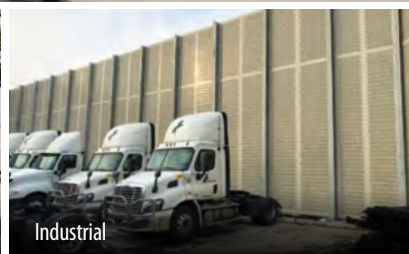
Proposed fence (example)

# AIL SOUND WALLS

- ▶ PVC Sound Barrier Wall Systems
- ▶ Lightweight and easy-to-install
- ▶ Lower installed costs
- ▶ Sustainable and maintenance-free



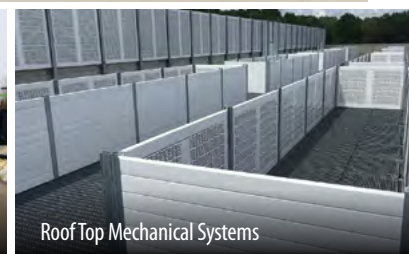
Transportation



Industrial



Commercial



RoofTop Mechanical Systems

ENGINEERED SOUND MITIGATION SOLUTIONS

[ailsoundwalls.com](http://ailsoundwalls.com)

1-866-231-7867



### Silent Protector® (Absorptive)

- ▶ PVC absorptive sound barrier wall system with acoustical mineral wool
- ▶ Noise Reduction Coefficient (NRC) rating of 0.95
- ▶ Absorbs unwanted noise
- ▶ Silent Protector Plus® offers STC 39 and NRC 0.90, ask for details

NOISE REDUCTION  
COEFFICIENT RATING  
**NRC 0.95**

SOUND TRANSMISSION  
CLASS RATINGS UP TO  
**STC 39**  
WITH SILENT PROTECTOR PLUS®

ALL Sound Walls are made from long-lasting, UV-resistant PVC,  
with the highest percentage of recycled content available.



### Tuf-Barrier® (Reflective)

- ▶ PVC reflective sound barrier wall system
- ▶ Blocks and reflects unwanted noise
- ▶ Tongue and groove interlocking connection
- ▶ Textured finishes available

**EASY-OFF  
GRAFFITI  
AND TAGGING**

## Industrial, Commercial and Institutional

### RECOMMENDED FOR

- ▶ Commercial Developments ▶ Hospitals ▶ Schools and Universities
- ▶ Loading Docks ▶ Distribution Facilities ▶ Manufacturing Plants

Noise from large commercial or industrial developments and their associated traffic is one of the most contentious environmental problems for surrounding communities.

Residents are demanding better noise abatement solutions from facilities like shopping centers, manufacturing plants, distribution hubs and utility stations.

AIL Sound Walls provide superior performance for all noise sensitive projects.



Lightweight AIL Sound Walls are perfect for roof top applications. Man-doors and gates are easily integrated.

## Roof Top, Equipment and Machinery Enclosures

### RECOMMENDED FOR

- ▶ HVAC Units ▶ Generators ▶ Chillers ▶ Cooling Towers
- ▶ Oil & Gas ▶ Hydro ▶ Compressors ▶ Petro Chemical
- ▶ Sub Stations ▶ Water/Wastewater

The lighter weight of AIL Sound Walls makes them ideal for roof top applications where sound mitigation is needed. The enclosure support system integrates easily with roof structures of both existing and new buildings to deliver effective sound mitigation.

Excessive noise is one of the most common occupational health hazards in today's heavy industrial or manufacturing environments. AIL Sound Walls are often used to mitigate unwanted noise caused by equipment in these types of applications. Transparent panels, utility ports and man-doors can also be integrated to allow access for routine maintenance or emergency repairs with reduced exposure to noise.



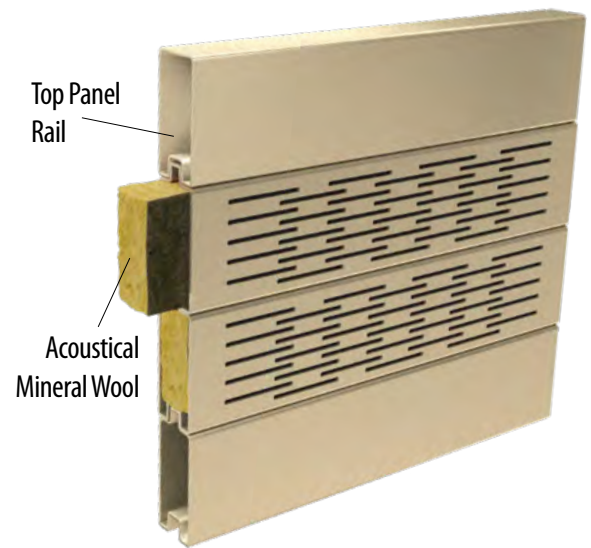


## Easy to install with local crews and reduced need for lifting equipment.

All Sound Walls are constructed with tongue and groove PVC panels. Panels are stacked and placed within standard steel posts to the required height and capped with a top panel. A standard panel is 10 ft. (3.0 m) in length and weighs only 21 lbs. (9.5 kg).

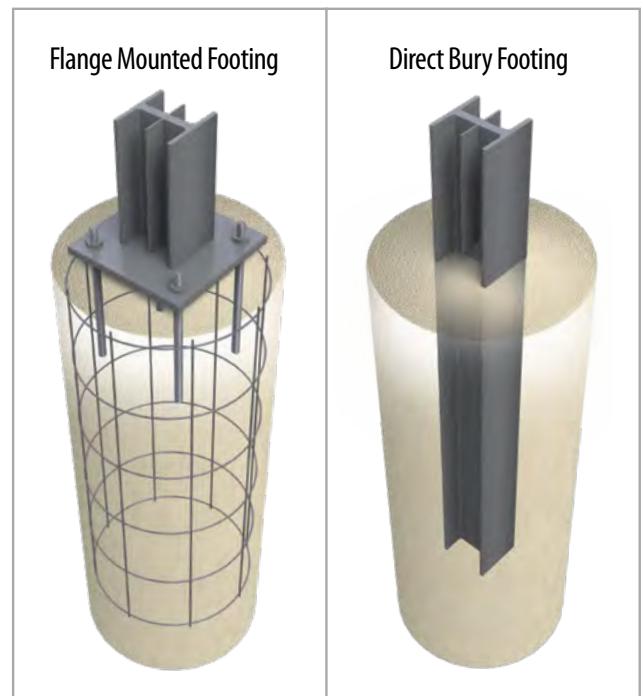


Typical Installation



Top Panel Rail

Acoustical Mineral Wool



Flange Mounted Footing

Direct Bury Footing





### Product Specifications

### Silent Protector® (Absorptive)

### Tuf Barrier® (Reflective)

Span <sup>1</sup>	8 ft - 12 ft (2.44 m - 3.66 m)	8 ft - 14 ft (2.44 m - 4.27 m)
Panel Width	2.70 in (68.58 mm)	2.70 in (68.58 mm)
Panel Height	5.96 in ± .10 in (151.38 mm ± 0.25 mm)	5.96 in ± .10 in (151.38 mm ± 0.25 mm)
Weight	4.30 lbs/ft <sup>2</sup> (21 kg/m <sup>2</sup> ) <sup>4</sup>	Min. 4.10 lbs/ft <sup>2</sup> (20 kg/m <sup>2</sup> )
Wall Height	Greater than 30' / 9 m	Greater than 30' / 9 m
STC Rating	up to 39 <sup>2</sup>	up to 31
NRC Rating	0.95 <sup>3</sup>	n/a

For product technical specifications visit [ailsoundwalls.com](http://ailsoundwalls.com)

1. Span is governed by wind loads and varies on code requirements. Contact AIL Sound Walls for recommended panel spans for your project.
2. Standard Silent Protector has an STC rating of 32. Silent Protector Plus can achieve STC of 39.
3. Standard Silent Protector NRC 0.95. Silent Protector Plus NRC is 0.90.
4. Weight of Silent Protector Plus is 7.30 lbs/ft<sup>2</sup> (36kg/m<sup>2</sup>)

### Sound Transmission Loss ASTM E90 / E413

Octave Band Number	2	3	4	5	6	7	STC
Center Frequency (Hz)	125	250	500	1000	2000	4000	—
Silent Protector®	23	21	28	42	48	49	
Silent Protector® Plus	30	28	34	43	45	49	
Tuf-Barrier®	23	19	30	45	45	54	

### Sound Absorption Coefficients ASTM C423/E795

Octave Band Number	2	3	4	5	6	7	NRC
Center Frequency (Hz)	125	250	500	1000	2000	4000	—
Silent Protector®	0.29	0.80	1.13	1.00	0.96	0.72	0.95
Silent Protector® Plus	0.28	0.71	1.06	0.97	0.94	0.78	0.90

### STC – Sound Transmission Class

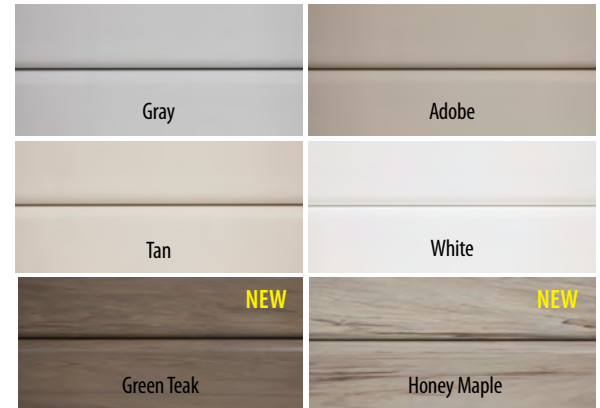
STC is an integer rating used to measure the decibel reduction through a partition. It states the number of decibels lost through that partition in a laboratory environment.

### NRC – Noise Reduction Coefficient

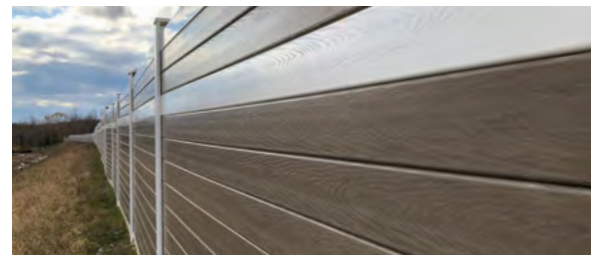
NRC is a rating between 0 and 1 to index how absorptive a material is. An NRC of 0 means no sound waves are absorbed whereas a rating of 1 means all of the sound waves are absorbed.

[ailsoundwalls.com](http://ailsoundwalls.com)

AIL Sound Walls are available in a variety of attractive colors and textured finishes. Custom colors are also available.



Add an optional embossed woodgrain texture to any flat color.



Color reproduction in this brochure is subject to limitations of the printing process. Please ask for actual PVC color samples.

### NRC

### Qualitative

0.4 or less	Poor
0.5 to 0.6	Mediocre
0.6 to 0.7	Good
0.7 to 0.85	Very Good
> 0.85	Excellent
0.95	AIL Silent Protector®