# FIRE STATION NEEDS ASSESSMENT

**Updated October 20, 2022**

**West Haven Fire Department**
**366 Elm St, West Haven, CT 06516**

Below is a critical evaluation of the existing fire station to determine its operational efficiency, condition, and suitability to meet the needs of the community and firefighting personnel. It aims to identify any deficiencies, safety concerns, or improvements required to enhance the firehouse's functionality and better support the firefighting operations. The fire station needs assessment is an ongoing process governed by State and Federal statutes and influenced by the needs of a growing community.

| *Assessment* | *Recommendation* | *Funding Source* |
|---|---|---|
| Undersized parking lot | Parking lot expansion | ARPA |
| Insufficient parking spaces | Add additional parking spaces | ARPA |
| Insufficient storage space | Add additional storage shed | State/Federal Grants |
| Insufficient office space for admin | Add additional office space | State/Federal Grants |
| Updated fuel pumps | Replace fuel pumps | State/Federal Grants |
| Roof ventilation training | Construct roof ventilation prop | Budget |
| Extraction training | Add an area for extraction training | State/Federal Grants |
| Oil apparatus upgrade | Upgrade oil apparatus | State/Federal Grants |
| Mechanic needs updated tools | Purchase updated tools | Budget |
| Mechanic needs lift for safer and more efficient repairs | Purchase and install a truck lift | Budget |

# FIRE STATION NEEDS ASSESSMENT

| *Assessment* | *Recommendation* | *Funding Source* |
|---|---|---|
| Upgraded rescue equipment | Purchase upgraded high-angle rescue and confined space equipment | Closed (Grant) |
| New pumper truck | Purchase new pumper truck | Closed (Grant) |
| Core rescue training | Train for core rescue | Closed (Grant) |
| Confined space, trench, and swift water rescue training | Train for confined space, trench, and swift water rescue | Closed (Grant) |
| Education and development | Education and development for offices | Closed (Grant) |

# CITY of WEST HAVEN FIRE DEPARTMENT

*Allingtown*

**Fire Station Facility**-Needs Assessment for the

**State of Connecticut Municipal Accountability Review Board**

# Overall Station Facility Deficiencies
# 20 Admiral Street

**Station Deficiencies – 20 Admiral Street**

**Built in 1928 – ESCI report POOR Condition**

- Administrative Offices on Second Floor, non compliant with ADA for public access due to no elevator.
- Station has in adequate parking facility for even limited administrative staff
- Reduced efficacy for operations /response
- Station used only by AVFA volunteer force, Administrative staffing, and Fire Commission meeting and office rooms. Fire Commission meetings are open to the public, however, without an elevator, we do not meet ADA requirements.
- Building condition, and Arrangement beyond it useful life, and efficacy as an Operating Emergency Response Facility

**Recommended Deficiency Abatements**

- Combine this station with the 2nd Station into one new combined facility located effectively to cover the entire district according to NFPA 1710. A joint project is planned with the Allingtown Library for a combined fire station and public library

# Overall Station Facility Deficiencies
# 318 Fairfax Street- Minor Park Station

## Station Deficiencies – 318 Fairfax St.

## Built in 1968 – ESCI report Fair to Poor

1. Lack of space to adequately provide appropriate facilities for women
2. Needs significant updates to accommodate for modern fire apparatus (ESCI report)
3. Lack of provision for reasonable working, living, and privacy conditions for firefighters and staff. (ESCI report)
4. Does not meet current ADA requirements and will need to complete significant upgrades to meet ADA guidelines (ESCI report).
5. Inability to limit FF's exposure to products of combustion and cancer causing by products through off-gassing. (ESCI report)
6. Less than ideal location within residential neighborhood increasing hazard during emergency responses
7. Inadequate storage of vehicles, equipment, and lack of area for PPE gear extractor (washer dryer) installation. (Noted in the ESCI report that there were gear washers and extractors at the West Haven Headquarters, Meloy Road, and West Shore Fire Stations.)
8. Feasibility Study and Location for New Station

## Recommended and Desired Deficiency Abatement

1. Addressed by new combined station
2. Addressed by new combined station
3. Addressed by new combined Station
4. Addressed by new combined Station
5. Addressed by relocated new combined Fire Station
6. Addressed by relocated new combined Fire Station
7. ARPA Funding Allocation
8. ARPA Funding Allocation

# EMERGENCY SERVICES CONSULTING INTERNATIONAL 2019

# West Haven Study

## *Cited Excerpts for station Deficiencies*

- *All stations are in need of significant updates to accommodate for modern fire apparatus (significantly heavier, larger, and taller than apparatus of a generation or more ago), and to provide for reasonable working, living, and privacy conditions for firefighters and staff.*
- *As is common across the United States, female firefighters were not part of the fire departments when the facilities were constructed. As a result, no fire station adequately provides appropriate facilities for women, although in several stations the firefighters demonstrated their ingenuity by attempting to provide some level of accommodation for female colleagues.*
- *While these attempts at "work arounds" are commendable, the leadership of each fire department has an obligation to provide upgraded facilities for all of its firefighters, both female and male.*
- *Additionally, none of the fire stations meet current ADA requirements. It will be necessary to complete significant upgrades to each facility to meet ADA guidelines.*
- *The fire service has become increasingly concerned with the issue of firefighter cancer, and cancer-prevention practices. Firefighters have been provided with training, extra hoods, wipes, and protocols for both cancer prevention and decontamination.*
- *An additional practice that could be put in place within the City of West Haven would be to limit firefighter exposure to products of combustion, as well as minimizing/eliminating exposure to diesel fumes/soot (from fire apparatus). One preventative measure is to limit/reduce firefighter exposure to toxic products of combustion which occur after the fire (aka, off-gassing).*
- *This can be done by storing turnout gear in a well-ventilated room to prevent additional firefighter exposure to off-gassing of chemicals absorbed into turnout gear during a fire.*
- *To this end, regardless of this study's implementation by the parties involved, it is recommended the agencies continue to incorporate effective cancer prevention measures into current practices, and to consider cancer prevention strategies in future fire station renovation projects.*
- *During the visit, it was noted that there were gear washers and extractors at the West Haven Headquarters, Meloy Road, and West Shore Fire Stations.*

# WEST SHORE FIRE DISTRICT

## OFFICE OF THE FIRE CHIEF

860 Ocean Ave.
P.O Box 16763
West Haven, Ct 06516
(203) 933-8420
Fax: (203) 934-1222
*www.Westshorefd.com*


The West Shore Fire District plans to use ARPA funds to waterproof the Ocean Ave firehouse basement and create safe, gender-inclusive bunk rooms, bathrooms, and changing quarters at both firehouses.

First, we will waterproof the basement at Ocean Ave. This issue has been happening for decades, causing unsanitary conditions due to mold, mildew, and pungent odor. Despite previous attempts to control the leak with sandbags, the leak persists, threatens the mechanicals in the basement, and renders the basement useless for storage.

Furthermore, we plan on using the funds to create individual sleeping quarters, bathrooms, and changing spaces with air purification systems for firefighters, ensuring a safer living environment. In light of COVID-19 and how it decimated our staffing and strained our overtime budget, we recognize the need to prepare for future pandemics and other illnesses, such as the flu and the common cold. Additionally, separate sleeping quarters, bathrooms, and changing quarters will promote gender inclusivity by providing privacy for all individuals, including breastfeeding mothers, and aid in recruitment and retention efforts; moreover, demonstrate with actions that we are committed to providing a safe and sexist-free environment to all firefighters.

# Solargard® Hy-Build

## *Elastomeric roof and wall coating*

| FEATURES | BENEFITS |
|---|---|
| Single coat application | • Time and cost savings |
| Multiple applications | • Metal roof and wall surfaces<br>• Masonry, stucco, EIFS walls |
| Fibered formulation | • Bridges small roof and wall imperfections<br>• Coating reinforcement for high strength<br>• Accommodates building movement |

### DESCRIPTION

Solargard Hy-Build is a water-based, acrylic, elastomeric roof and wall coating formulated to provide a tough, durable, flexible, breathable film protection of metal roofs and previously painted or unpainted masonry walls.

### BASIC USES

Solargard Hy-Build waterproofs metal roofs as well as masonry, stucco, EIFS and metal wall surfaces.

### APPLICATION

**Preparation:** All surfaces are to be free of dirt, grease, oil, loose paint, loose rust, excess chalk, and other foreign matter which could prevent proper adhesion. This is best accomplished using a high-pressure power wash of at least 2,000 psi. A surface cleaner shall be used to remove all grease or oily deposits. If metal panel finish is Kynar 500 or the roof/wall was previously coated, please contact the Tremco Roofing Technical Department for surface preparation recommendations.

**Application:** Refer to application specifications for additional information.
**Walls:** Over porous concrete, brick, etc., surfaces where a prime coat is recommended use Solargard Masonry Primer. Solargard Hy-Build can be applied by brush, roller, or spray gun to specified coverage rates.

Refer to appropriate application specification for further information.

**Metal:** Prime all rust using Solargard Rust Primer WB. Solargard Hy-Build can be applied by brush, roller or spray gun to specified coverage rates.

Refer to appropriate application specification for further information.

### SPRAY EQUIPMENT RECOMMENDATIONS

**Pumps:** Graco King 45:1, Graco Bulldog 30:1 or gas powered equivalents. Graco GH733, HydraMax 350 or GMax 7900 or other manufacturers' equivalents.

**Hose/Pressure:** 50'–300' length (depending on spray rig pressure). When using hoses longer than 100' use the next larger hose ID every 50'. Every 50' of hose will reduce the spray pressure of the rig by 10% at the gun tip. i.e. 300' hose - 3/4" (50/100') to 5/8" (50/100') to 1/2" (50/100') to 3/8" (50')

**Tip Sizes:**

| Fan Width (in). | .039 | .041 | .043 | .045 | .047 | .049 |
|---|---|---|---|---|---|---|
| 10"–12" | 539 | 541 | 543 | 545 | 547 | 549 |
| 12"–14" | 639 | 641 | 643 | 645 | 647 | 649 |
| 14"–16" | 739 | 741 | 743 | | 747 | 749 |
| 16"–18" | 839 | 841 | 843 | | 847 | |
| Flow Rate gpm | 1.60 | 1.80 | 1.98 | 2.17 | 2.37 | 2.58 |

Good results are generally obtained @ 2000–3000 psi at spray tip.

# Solargard® Hy-Build

**SPRAY EQUIPMENT RECOMMENDATIONS** CONTINUED

**Gun:** Graco Contractor Gun, Graco Contractor FTx gun, Graco Silver Plus or equivalent. (Tip extrusions or pole guns can be used.)

For additional information, refer to appropriate application specification.

**CURE TIME**

1 hour to touch

**COVERAGE**

Porosity, texture of surface, and specified dry-film thickness will dictate coverage.
**Coverage rates are as follows:**
Walls 1-1/2 gal./100 sq. ft., 24 wet mils
Metal Roofs 2 gal./100 sq. ft., 32 wet mils

**CLEAN UP**

Soap and water

**LIMITATIONS**

- Application temperature shall be above 50°F.
- Protect from freezing.
- Not intended for use in areas subject to vehicular traffic or where water continuously ponds.
- Do not apply when rain is imminent.
- Do not apply over silicone or coal tar.

**PHYSICAL PROPERTIES**

| PROPERTY | TYPICAL VALUE | TEST METHOD |
|---|---|---|
| Weight per Gallon | 11.0 ± 0.2 lbs. | ASTM D 1475 |
| Specific Gravity | 1.32 ± 0.2 | ASTM D 1475 |
| Solids by Weight | 63% ± 1% | ASTM D- 1353 |
| Solids by Volume | 52% ± 1% | ASTM D 5201 |
| Elongation @ 77°F | 215% ± 25% | ASTM D 2370 |
| Flexibility @ -15°F | Passes 1/2 inch mandrel bend | ASTM D 522 |
| Tensile Strength @ 77°F | 375 ± 50 psi | |
| Tear Resistance | 138 lbf/in | ASTM D 522 |
| | | ASTM D 2370 |
| Dry Time | 1 hour to touch | ASTM D 1640 |
| Flashpoint | None | ASTM D 3278 |
| Permeance Rating | 12 | |

**MAINTENANCE**

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

**PRECAUTIONS**

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

**TECHNICAL SUPPORT**

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.

TREMCO™
*Roofing & Building Maintenance*
**www.tremcoroofing.com**
3735 Green Road
Beachwood, Ohio 44122
1.800.852.6013

50 Beth Nealson Drive
Toronto, Ontario M4H 1M6
1.800.668.9879

Tremco Roofing & Building Maintenance is a part of the Tremco Construction Products Group

# Hydroshed™

## *Water Based, Penetrating Water Repellent for Concrete and Masonry Surfaces*

### FEATURES/BENEFITS

- Low VOC content
- Breathable
- Non film-forming; leaves no gloss or shine

### PRIMARY APPLICATIONS

- Concrete and Masonry Walls

### DESCRIPTION

Hydroshed™ is a ready-to-use, water-based siloxane/silane penetrating water repellent sealer.

### BASIC USES

Hydroshed soaks into the substrate and forms a water and chloride barrier that protects concrete and masonry from the damaging effects of water and salts, especially in freeze-thaw climates and marine environments. Hydroshed is a breathable sealer that does not alter the appearance or texture of the substrate.

### PACKAGING

1 gal (3.8 L) pail
5 gal (18.9 L) pail
55 gal (208 L) drum

### STORAGE LIFE

12 months shelf life in unopened containers when properly stored. Shelf life could be affected if the product is not stored properly.

DO NOT FREEZE PART B

Recommended storage conditions are indoors in a ventilated, dry area removed from heat, open flame, ignition sources, and direct sunlight. Storage temperatures should range from 60-70°F (15-21°C) and must not drop below 32°F (0°C) or exceed 110°F (43°C).

On the job site, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.

### APPLICATION

**Surface Preparation:** New concrete should have a minimum of 3 days cure time prior to application of Hydroshed. Surface must be cleaned, dry and structurally sound. Substrate should also be free of all curing compounds and other contaminants, this could prevent proper penetration of Hydroshed. Moving joints or cracks must be properly sealed with an elastomeric joint sealant prior to application. Allow all repairs exceeding a width of 1/64" (0.4 mm) to cure a minimum of 24 hours prior to application. Surroundings such as grass, plants, shrubs and asphalt should be protected from drips or overspray prior to application. A small (6' x 6') test area is strongly recommended prior to starting full application, in order to ensure desired performance results, aesthetics, and coverage rates. Allow 5 to 7 days for product to fully react before evaluating.

**Mixing:** Hydroshed does not require mixing.

**Approximate Coverage:** Hydroshed should be applied at approximately 100 to 150 ft2/gal (2.45 to 3.68 m2/L). This can be used in a one or two coat application depending on surface density. When two coats are applied, use the "wet on wet" technique for best results. The profile of the application surface may affect the necessary coverage rate.

**Application:** Low pressure airless spray equipment is the preferred method of application, although for smaller areas, application with brush or rollers may also be acceptable. Application should be from the bottom up to ensure uniform product distribution. Apply a saturation coat with a 6 to 8 in (15 cm to 20 cm) controlled rundown. For dense surfaces, one saturation coat of Hydroshed is normally required. For porous surfaces two or more saturation coats of Hydroshed may be required, applied using a "wet on wet" technique.

# Hydroshed™

## TEMPERATURE / WEATHER RECOMMENDATIONS

Min Ambient & Surface Temperature: 40°F (4°C)
Max Ambient & Surface Temperature: 120°F (48°C)

- Minimum temperatures must be rising following application
- Do not apply when precipitation is expected within 12 hours of application.

## CURE TIMES

**Dry Time:** 1-2 hours @ 70°F (21°C) / 50% RH
*Note: Cure times can be effected by a number of weather and jobsite conditions including but not limited to exposure to sunlight and wind, humidity, precipitation, and temperature.*

## CLEAN UP

Clean drips, runs, and overspray residue while still wet, using detergent and water. Dried material may require mechanical abrasion for removal. Clean application and spray equipment with detergent and water immediately following use.

## LIMITATIONS

- Product comes pre-diluted, do not add water to current mixture.
- Hydroshed can be applied to pH neutral surfaces; however, longer cure times may be required o develop full repellency.
- Hydroshed is non-flammable and non-hazardous.
- Hydroshed may exhibit minor settling upon storage. Agitation prior to use may be necessary.

## PHYSICAL PROPERTIES

**Material Properties @ 75 °F (24 °C)**

| | |
|---|---|
| Flash Point | > 200 °F (93 °C) |
| Weight/gal | 8.4 lbs |
| VOC Content | 50 g/L |
| Active Content (by weight) | 10% |
| Viscosity | 50 cp |
| Drying Time at 70 °F (21 °C) | 1 to 2 hours |
| Average Depth of Penetration (substrate dependent) | 3/8" (9.5 mm) |
| Absorption Reduction Federal Specification SS-W-110C | 88% |
| Permeance Rating (ASTM E96) | 1.6% Reduction |

**NCHRP Report No. 244**

| | |
|---|---|
| Reduction in Chloide Ion Content | 21 days: 89% |
| Reduction in Water Absorption | 21 days: 85% |

# Hydroshed™

## SPECIFICATIONS AND COMPLIANCES

- Hydroshed meets the performance standards of NCHRP 244
- Federal specification SS-W-110C
- Complies with all U.S. EPA and local VOC regulations, including OTC, LADCO, Maricopa County, and California (CARB and SCAQMD)
- Canadian MTQ

## MAINTENANCE

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

## PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

## TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.

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Tremco Roofing & Building Maintenance is part of Tremco Construction Products Group

TREMCO

# TECHNICAL DATA SHEET

# DYMONIC® 100

High-Performance, High-Movement, Single-Component, Polyurethane Sealant

## PRODUCT DESCRIPTION

Dymonic® 100 is a single-component, medium-modulus, non-sag polyurethane sealant. Dymonic 100 offers a high-performance, high-movement, durable, flexible seal that performs excellently in moving joints and exhibits tenacious adhesion to substrates once fully cured.

## BASIC USES

Typical applications for Dymonic 100 include expansion and control joints, precast concrete panel joints, perimeter caulking (windows, doors, and panels), aluminum, masonry, and vinyl siding. Dymonic 100 is also an excellent choice as a fluid applied flashing material in rough opening perimeters for fenestration/window, door and curtain wall applications. Dymonic 100 is suitable for water immersion applications and will not out gas.

## FEATURES & BENEFITS

Dymonic 100 has been formulated with an innovative polymer technology, similar to TREMproof® 250GC and Vulkem® 45SSL, that allows it to be highly versatile and grants its unique capability to adhere to damp or green concrete without outgassing. The skin time of Dymonic 100 is 2 hours and the tack-free time is 6 to 8 hours. This significantly reduces dirt attraction and improves the overall asthetic look.

Dymonic 100 has a movememnt capability of +100/-50% in typical field conditions with excellent performance in moving joints. The formula is low-VOC and UV-stable, meaning Dymonic 100 will not crack, craze, or yellow under extreme UV exposure. Additionally, Dymonic 100 is jet fuel-resistant and compatible with many common construction substrates.

- Compatible with and can be coated over with Tremco's Vulkem Deck Coatings, ExoAir® Air Barrier products and the cold, fluid-applied TREMproof® line of below-grade waterproofing products
- Accepted for use over Nudura Insulated Concrete Forms (ICF)

There are 21 standard color options available for Dymonic 100, with the option of painting over the sealant.

Dymonic 100 meets or exceeds the requirements of the following specifications:

- ASTM C920 Type S, Grade NS, Class 50, Use NT, T, M, A, O, I
- U.S. Federal Specification TT-S-00230C, Class A, Type II
- CAN/CGSB-19,13-M87
- International Code Council (ICC) Section R703.8 Flashing
- AAMA 714-15 Specification for Liquid-Applied Flashing
- NFPA 285 Listed Component

Accepted fire rated systems: FF-D-1186, FW-D-1117, HW-D-1122, WW-D-1200, and BW-S-0006


## AVAILABILITY

Immediately available from your local Tremco Sales Representative, Tremco Distributor, or Tremco Warehouse in 10.1 oz (300 mL) cartridges and 20 oz (600 mL) sausages.

## COLORS

Available in Almond, Aluminum Stone, Anodized Aluminum, Beige, Black, Bronze, Buff, Dark Bronze, Gray, Gray Stone, Hartford Green, Ivory, Light Bronze, Limestone, Natural Clay, Off White, Precast White, Redwood Tan, Sandalwood, Stone, and White.

## LIMITATIONS

Use with adequate ventilation. Always utilize the accompanying SDS for information on Personal Protective Equipment (PPE) and Health Hazards. Not recommended for use in chlorinated, potable, heavy or waste water. Although Dymonic 100 is paintable, this does not imply adhesion to and compatibility with all paints. Consult Tremco Technical Bulletin No. S-09-05 or Tremco Technical Services for more information.

## WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit https://www.tremcosealants.com/warranties/ for details.

**TYPICAL PHYSICAL PROPERTIES**

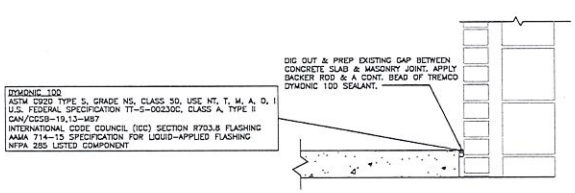
| PROPERTY | TEST METHOD | TYPICAL RESULTS |
|---|---|---|
| Rheological Properties | ASTM C639 | Non-sag (NS), 0" of sag in channel |
| Hardness Properties | ASTM C661 | 40 ± 5 |
| Weight Loss | ASTM C1246 | Pass |
| Skin Time | ASTM C679 | 2 to 3 hr |
| Tack Free Time | 73.4°F (23°C) 50% RH | 6 to 8 hr |
| Stain and Color Change | ASTM C510 | Pass |
| Adhesion to Concrete | ASTM C794 | 35 pli |
| Adhesion to Concrete After Immersion | ASTM C794 | 30 pli |
| Adhesion to Green Concrete | ASTM C794 | >25 pli |
| Adhesion to Damp Concrete | ASTM C794 | >20 pli |
| Effects of Accelerated Aging | ASTM C793 | Pass |
| Movement Capability | ASTM C719 | ± 50% |
| Movement Capability | ASTM C719 *(Modified)* | +100/-50% |
| Tensile Strength | ASTM D412 | 350 to 450 psi |
| % Elongation | ASTM D412 | 800 to 900% |
| Modulus at 100% | ASTM D412 | 75 to 85 psi |
| Tear Strength | ASTM D412 | 65 to 75 psi |
| Service Temperature | | -40 to 180 °F (-40 to 82 °C) |
| Application Temperature | | 40 to 100 °F (4 to 37 °C) * |
| Smoke Development, Fire Spread | ASTM E84 | 5, 5 |
| Smoke Development, Fire Spread | CAN S102 | 10, 10 |
| Fire Resistance of Assembly | NFPA 285 | Pass |
| Crack Bridging | ASTM C1305 | Pass |
| Nail Seal Ability | ASTM D1970 Section 7.9 | Pass |

**For temperatures below 40 °F, please refer to the Technical Bulletin, Cold Temperature Sealant Application Recommendations.*

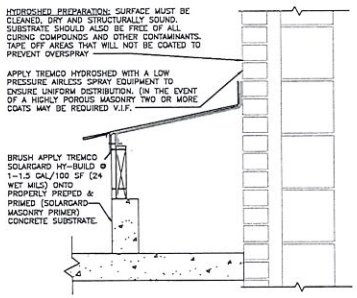
Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

D100-DS/1122



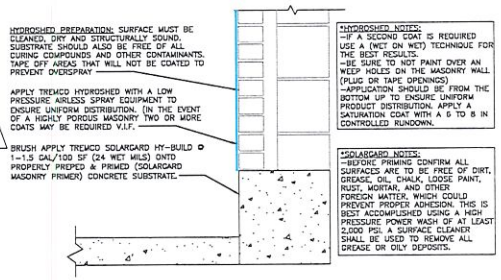

3 A2.1 MASONRY JOINT DETAIL
N.T.S.




2 A2.1 CONCRETE & MASONRY DETAILING
N.T.S.

| SOLARGARD MASONRY PRIMER | |
|---|---|
| WEIGHT PER GALLON 12.1±0.2 LBS. | ASTM D 1475 |
| SOLIDS BY VOLUME 41% ± 1% | |
| SOLIDS BY WEIGHT 59% ± 1% | |
| VISCOSITY @ 77°F 75 KU ± 1KU | ASTM D 562 |
| ABRASION RESISTANCE EXCELLENT | |
| FLEXIBILITY PASS 1/8" MANDREL BEND | ASTM D 1737 |
| FLASHPOINT NONE | ASTM D 3278 |

| SOLARGARD HY-BUILD | |
|---|---|
| WEIGHT PER GALLON 11.0 ± 0.2 LBS. | ASTM D 1475 |
| SPECIFIC GRAVITY 1.32 ± 0.2 | ASTM D 1475 |
| SOLIDS BY WEIGHT 63% ± 1% | ASTM D- 1353 |
| SOLIDS BY VOLUME 52% ± 1% | ASTM D 5201 |
| ELONGATION @ 77°F 213% ± 25% | ASTM D 2370 |
| FLEXIBILITY @ -15°F PASSES 1/2 INCH | ASTM D 522 |
| TENSILE STRENGTH @ 77°F 375 ± 50 PSI | |
| TEAR RESISTANCE 138 LBF/IN | ASTM D 522 |
| | ASTM D 2370 |
| DRY TIME 1 HOUR TO TOUCH | ASTM D 1640 |
| FLASHPOINT NONE | ASTM D 3278 |




*HYDROSHED NOTES:
-IF A SECOND COAT IS REQUIRED USE A (WET ON WET) TECHNIQUE FOR THE BEST RESULTS.
-BE SURE TO NOT PAINT OVER AN WEEP HOLES ON THE MASONRY WALL (PLUG OR TAPE OPENINGS)
-APPLICATION SHOULD BE FROM THE BOTTOM UP TO ENSURE UNIFORM PRODUCT DISTRIBUTION. APPLY A SATURATION COAT WITH A 6 TO 8 IN CONTROLLED RUNDOWN.

*SOLARGARD NOTES:
-BEFORE PRIMING CONFIRM ALL SURFACES ARE TO BE FREE OF DIRT, GREASE, OIL, CHALK, LOOSE PAINT, RUST, MORTAR, AND OTHER FOREIGN MATTER, WHICH COULD PREVENT PROPER ADHESION. THIS IS BEST ACCOMPLISHED USING A HIGH PRESSURE POWER WASH OF AT LEAST 2,000 PSI. A SURFACE CLEANER SHALL BE USED TO REMOVE ALL GREASE OR OILY DEPOSITS.

1 A2.1 CONCRETE & MASONRY DETAILING
N.T.S.

TREMCO

West Shore Fire Department

PROJECT: 860 Ocean Ave. Details

LOCATION: 860 Ocean Ave, West Haven, CT 06516

| DATE | No. | REVISIONS |
|---|---|---|
| | | |

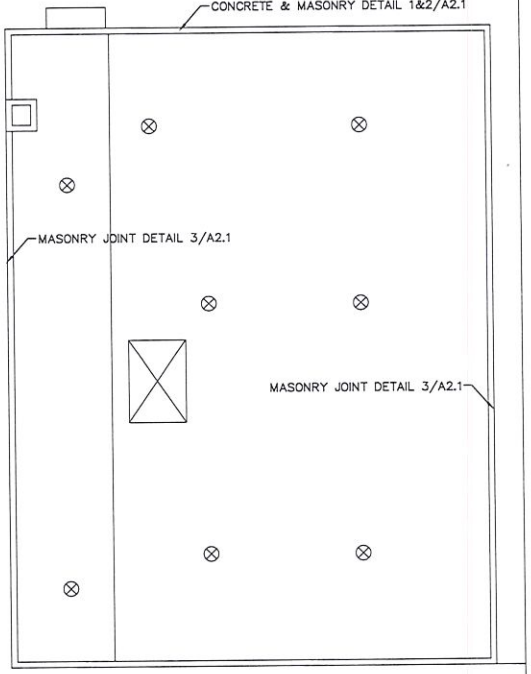
| DRAWN BY | APPROVED | DATE |
|---|---|---|
| CGS | A HALL | 24 JAN 2023 |

DRAWING STATUS
Issued for Pricing:
24 JAN 2023

DRAWING NAME:
Roof Details

DRAWING NUMBER:
A2.1

## SITE LOCUS PLAN




1 / A1.0 WORK PLAN
NTS

TREMCO

Project Owner: West Shore Fire Department

PROJECT: 860 Ocean Ave. Site Plan

LOCATION: 860 Ocean Ave. West Haven, CT 06516

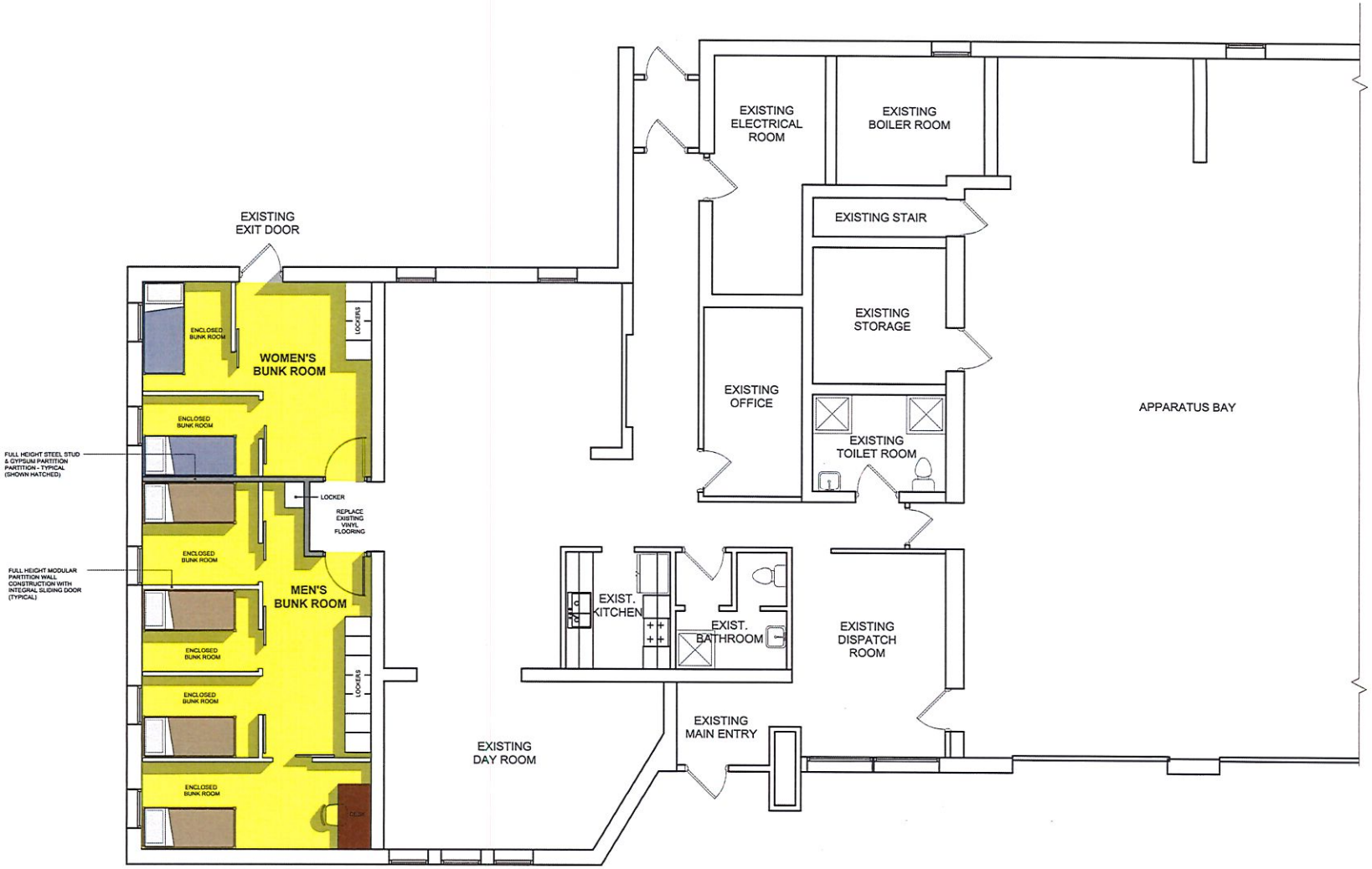
| DATE | No. | REVISIONS |
|---|---|---|
| | | |

| DRAWN BY | APPROVED | DATE |
|---|---|---|
| CGS | A HALL | 24 JAN 2023 |

DRAWING STATUS:
Issued for Review:
24 JAN 2023

DRAWING NAME:
Site Work Plan
& General Notes

DRAWING NUMBER:
A1.0




1 BENHAM HILL FIRE STATION - GROUND FLOOR PLAN

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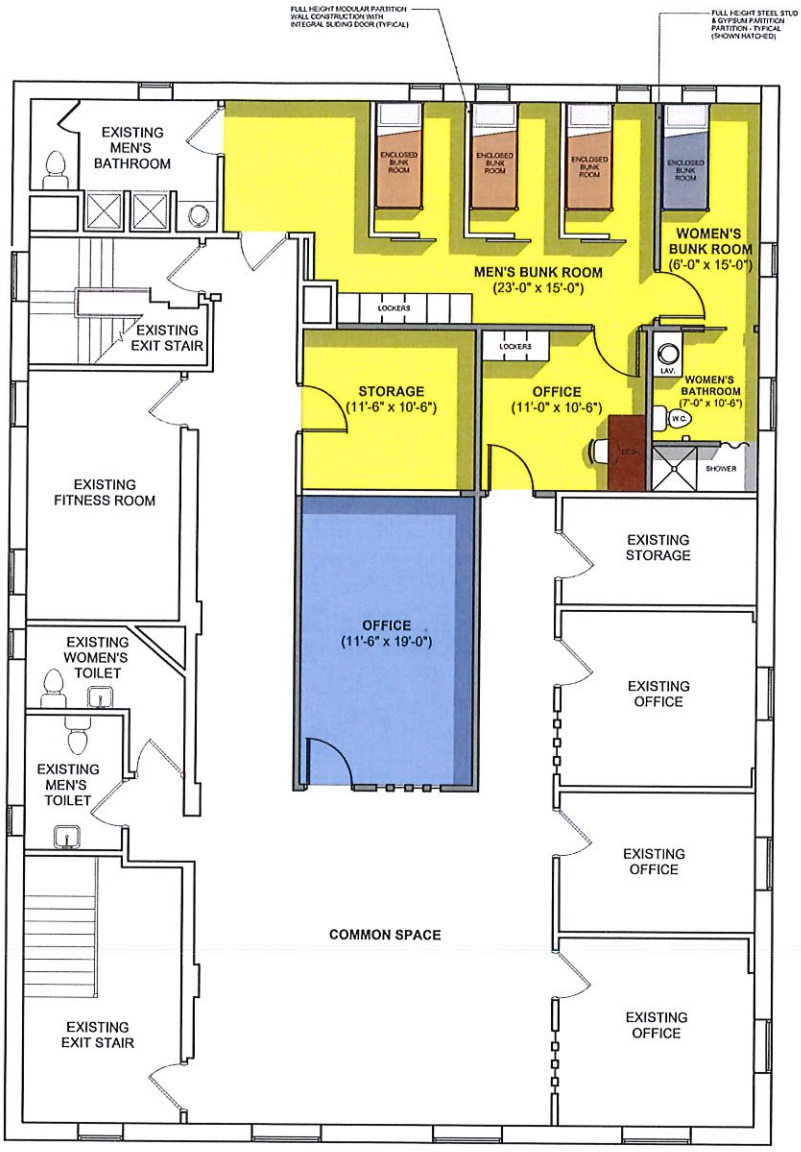
BENHAM HILL FIRE STATION | WEST HAVEN, CONNECTICUT | 6 FEBRUARY 2023 | #22074

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS




1 WEST SHORE FIRE STATION - SECOND FLOOR PLAN

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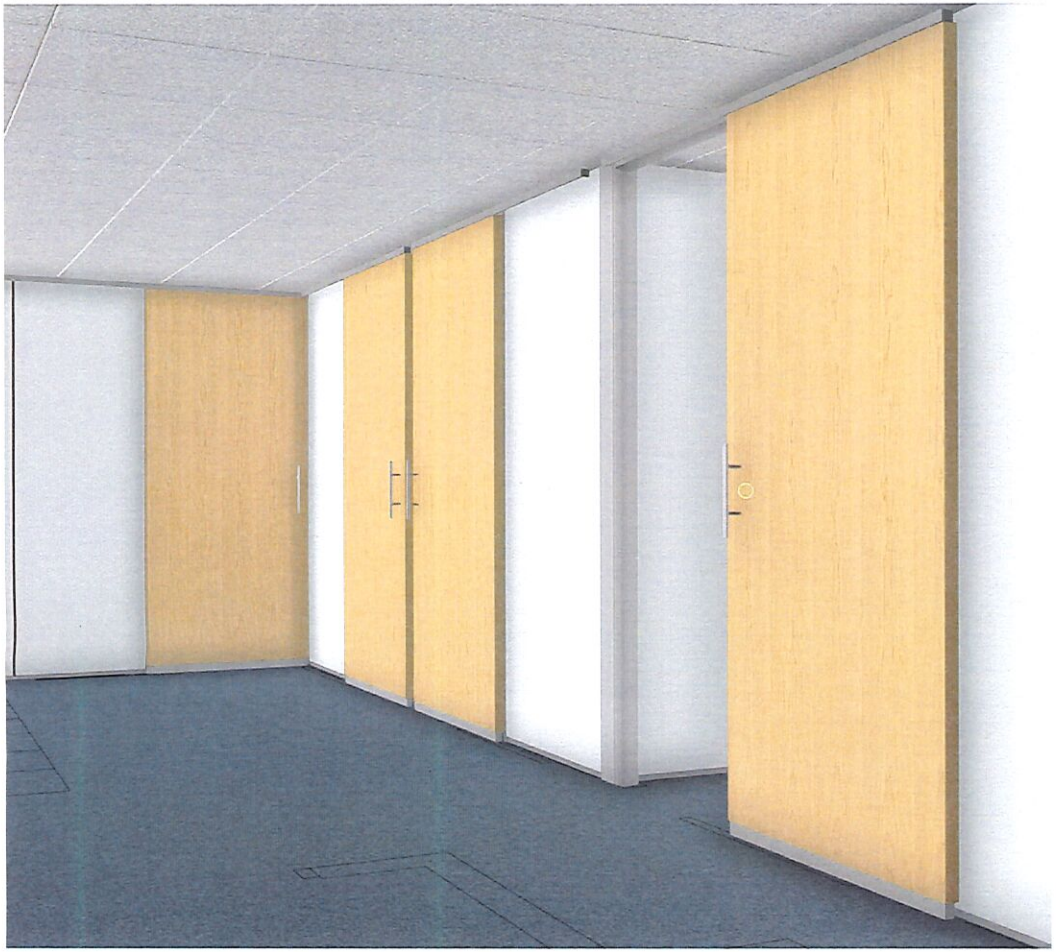
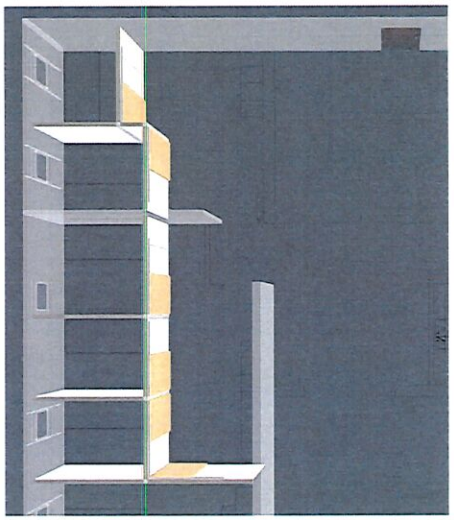
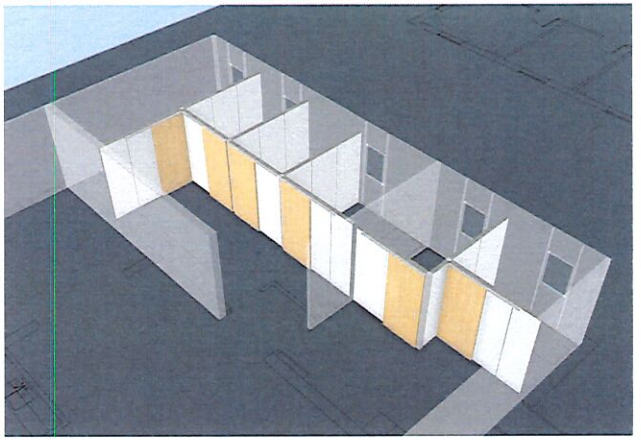
ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS





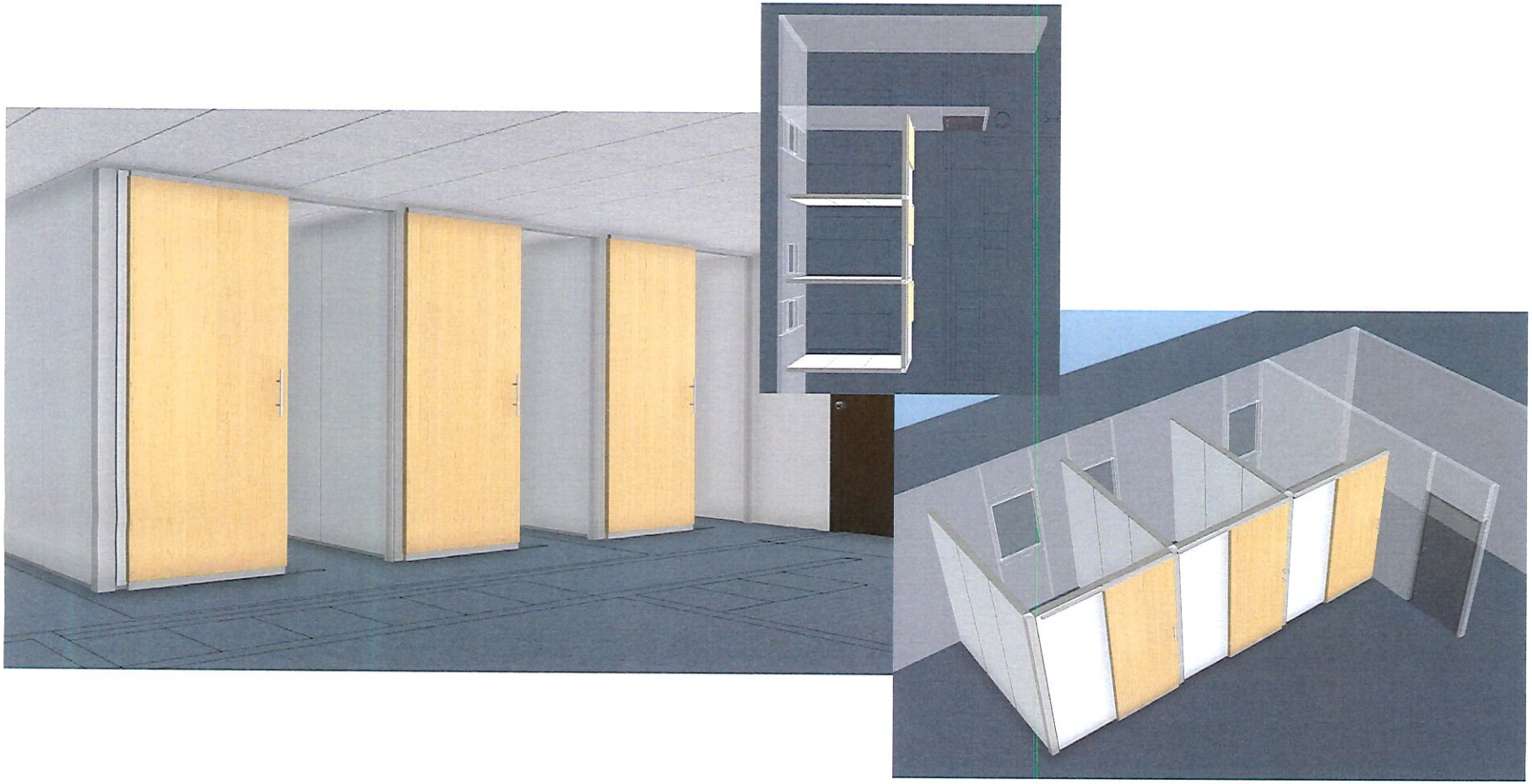


greenbox-is INTERIOR SOLUTIONS

DIRTT

Benham Hill Fire Station - West Haven, CT

RD-1



greenbox-is INTERIOR SOLUTIONS

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West Shore Fire Station - West Haven, CT

RD-2