

**Town of Vernon
Design Review Commission (DRC)
Wednesday, September 1, 2021
7:00 P.M.
Council Chambers
Vernon Town Hall
14 Park Place, 3rd floor
Vernon, CT**

MEETING AGENDA

1. Call to Order & Roll Call
2. Approval of the Minutes from the June 2, 2021 meeting
3. Referral from Town Planner

Application **PZ 2021-08** is an application of A. Vets Real Estate, LLC requesting a modification to an approved site plan and a special permit pursuant to section 4.10.4.11.6 to permit lot coverage in excess of 40% for a 1.19-acre parcel located at 965 Hartford Tpke (Assessor ID 26, Block 72, Parcel 0031H) and a .43-acre portion of a parcel located at 933 Hartford Tpke (Assessor ID 26, Block 72, Parcel 0031J).

4. Other Business
5. Adjournment

Shaun Gately on behalf of,
Design Review Commission

Town of Vernon
Design Review Commission (DRC)
Wednesday, June 2, 2021, 7:00 p.m.
Via Zoom Audio Teleconference

RECEIVED
VERNON TOWN CLERK
21 JUN -7 PM 4:01

DRAFT MINUTES

1. Call to Order and Roll Call

Chairperson Holt called the meeting to order at 7:00 p.m. Also in attendance were Commission Members Stephen Ransom, and Eva Perrina. Staff member present was Shaun Gately, Economic Development Director.

2. Approval of the Minutes from the April 7, 2021, meeting
Stephen Ransom made a motion seconded by Chairperson Holt to accept the minutes as presented from the April 7, 2021 meeting. Motion carried unanimously.

3. Referral from Town Planner

Application [**PZ-2021-07**] of Pave Tool Innovators for a modification to an existing site plan of development in order to construct two buildings (totaling +-11,525 sq. ft.), a temporary accessory structure and parking areas at 190 Tunnel Rd. (Assessor's ID: 29 Block 134 Parcel 11C). The property is zoned Industrial (I).

Shaun Gately gave an overview of 190 Tunnel Road regarding the addition to the existing building plus the additional building.

Rachel Dearborn and Phil Bahler, owner, discussed the building plans, landscaping, lighting, and pavement for the addition and the new building.

*Stephen Ransom made a motion seconded by Eva Perrina to approve the plans for Application [**PZ-2021-07**] with landscaping and buffer plantings to replace any that are removed. Motion passed unanimously.*

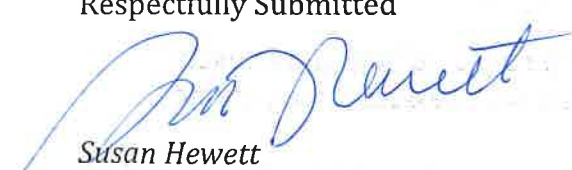
4. Other Business

Discussion took place regarding building at 4 Park Street, new condo complex, and update on Golf Center.

5. Adjournment

Stephen Ransom made a motion seconded by Chairperson Holt to adjourn at 7:23pm. Motion carried unanimously.

Respectfully Submitted



Susan Hewett

Recording Secretary

GARDNER & PETERSON ASSOCIATES, LLC

PROFESSIONAL ENGINEERS • LAND SURVEYORS

178 HARTFORD TURNPIKE

TOLLAND, CONNECTICUT 06084

LETTER OF TRANSMITTAL

TELEPHONE: (860) 871-0808
info@GardnerPeterson.com
www.GardnerPeterson.com

Mr. George McGregor
Town of Vernon

DATE 8/3/2021 JOB NO. 10711

RE: A. Vets Real Estate

WE ARE ENCLOSING: <input checked="" type="checkbox"/> PRINTS <input type="checkbox"/> COPY OF CORRESPONDENCE <input checked="" type="checkbox"/> OTHER			
COPIES	MAP NUMBER	DATED	DESCRIPTION
2 sets	10711S	Rev. 7/28/21	Site Plan Prepared for A. Vets Real Estate, LLC 965 Hartford Turnpike
1			PZC Application
1			Abutter List
1			Check #44541

☐ For Approval ☐ For your Use ☐ For Review & Comment ☐ Approved as Submitted ☐ As Requested

Signed: Mark A. Peterson, P.E.

TOWN OF VERNON PLANNING & ZONING COMMISSION (PZC)

APPLICATION

This form is to be used to apply to the Vernon Planning & Zoning Commission (PZC) for a change of zoning district, amendment of the Zoning Regulations, Site Plan of Development (POD), Special Permit(s), amendment of the Subdivision Regulations, and/or approval of a (re) subdivision, or DMV location approval. **Provide all the information requested.**

The applicant must be the property owner, the property owner's agent, the Town of Vernon, or someone with a direct financial interest in the subject property; said interest shall be explained and written permission for this application must be obtained from the property owner and submitted with this application if the applicant is not the property owner (ZR Section 2.3).

The list of approvals and the references to sections of the Regulations are for informational purposes only to assist with preparation of the PZC application and are not a definitive statement of the sole requirements that may apply to a specific project.

The applicant understands that the application is complete only when all information and documents required by the PZC have been submitted and, further, that any approval by the PZC relies upon complete and accurate information being provided by the applicant. **Incorrect information provided by the applicant may make the approval invalid.** The PZC may require additional information to be provided by the applicant in the course of reviewing the application and during the monitoring of the project.

Provide all the information requested:

I. APPLICANT:

Name: A. Vets Real Estate, LLC

Title: c/o Mark Peterson

Company: Gardner & Peterson Associates, LLC

Address: 178 Hartford Turnpike
Tolland, CT 06084

Telephone: 860-871-0808 Fax:

E-mail mpeterson@gardnerpeterson.com

II. PROPERTY OWNER (S): - Property #1

965 Hartford Tpke.

Name: A. Vets Real Estate, LLC

Title: Attn: Ana Ciotto

Company:

Address: 965 Hartford Turnpike
Vernon, CT 06066

Telephone: 860-922-9724 Fax

E-mail: ana@american-vets.com

TOWN OF VERNON PLANNING & ZONING COMMISSION (PZC)

APPLICATION

This form is to be used to apply to the Vernon Planning & Zoning Commission (PZC) for a change of zoning district, amendment of the Zoning Regulations, Site Plan of Development (POD), Special Permit(s), amendment of the Subdivision Regulations, and/or approval of a (re) subdivision, or DMV location approval. **Provide all the information requested.**

The applicant must be the property owner, the property owner's agent, the Town of Vernon, or someone with a direct financial interest in the subject property; said interest shall be explained and written permission for this application must be obtained from the property owner and submitted with this application if the applicant is not the property owner (ZR Section 2.3).

The list of approvals and the references to sections of the Regulations are for informational purposes only to assist with preparation of the PZC application and are not a definitive statement of the sole requirements that may apply to a specific project.

The applicant understands that the application is complete only when all information and documents required by the PZC have been submitted and, further, that any approval by the PZC relies upon complete and accurate information being provided by the applicant. **Incorrect information provided by the applicant may make the approval invalid.** The PZC may require additional information to be provided by the applicant in the course of reviewing the application and during the monitoring of the project.

Provide all the information requested:

I. APPLICANT:

Name: _____

Title: _____

Company: _____

Address: _____

Telephone: _____ Fax: _____

E-mail: _____

II. PROPERTY OWNER (S): - Property #2

Name: JAJL, LLC NE Portion of
965 Hartford Tpke.

Title: c/o Attorney John P. McHugh

Company: Cranmore, Fitzgerald & Meaney

Address: 1010 Wethersfield Ave., Suite 206

Hartford, CT 06114

Telephone: 860-522-9100 Fax 860-522-3379

E-mail: jmchugh@cfmlawfirm.com

III. PROPERTY

Address: 965 Hartford Turnpike

Assessor's ID Code: Map # ____ Block # ____ Lot/Parcel # ____ Tax ID# 26-0072-0031H

Land Record Reference to Deed Description: Volume: ²³⁹⁶____ Page 101

Does this site contain a watercourse and/or wetlands? (See the Inland Wetlands Map and IWR Section 2.14, 2.15, 2.23, 2.24, 3.11; 4)

☒ No

☐ Yes

☐ No work will be done in regulated area

☐ Work will be done in the regulated area

☐ IWC application has been submitted

☐ IWC application has not been submitted

Zoning District Industrial

Is this property located within five hundred (500) feet of a municipal boundary?

☒ No

☐ Yes:

- ☐ Bolton
- ☐ Coventry
- ☐ Ellington
- ☐ Manchester
- ☐ South Windsor
- ☐ Tolland

Check if Historic Status Applies: N/A

☐ Located in historic district:

- ☐ Rockville
- ☐ Talcottville

☐ Individual historic property

III. PROPERTY - #2

Northeasterly Portion

Address: 933 Hartford Turnpike

Assessor's ID Code: Map # ____ Block # ____ Lot/Parcel # ____ Tax ID# 26-0072-0031J

Land Record Reference to Deed Description: Volume: ¹³⁸⁶____ Page 327

Does this site contain a watercourse and/or wetlands? (See the Inland Wetlands Map and IWR Section 2.14, 2.15, 2.23, 2.24, 3.11; 4)

☐ No

☒ Yes

☐ No work will be done in regulated area

☒ Work will be done in the regulated area

IWC Application

Previously Approved

7/27/2021

☒ IWC application has been submitted

☐ IWC application has not been submitted

Zoning District Industrial

Is this property located within five hundred (500) feet of a municipal boundary?

☒ No

☐ Yes:

☐ Bolton
☐ Coventry
☐ Ellington
☐ Manchester
☐ South Windsor
☐ Tolland

Check if Historic Status Applies: N/A

☐ Located in historic district:

☐ Rockville
☐ Talcottville

☐ Individual historic property

IV. PROJECT

Project Name: A. Vets Real Estate, LLC

Project Contact Person:

Name: Mark Peterson

Title: _____

Company: Gardner & Peterson Associates, LLC

Address: 178 Hartford Turnpike

Tolland, CT 06084

Telephone: 860-871-0808 Fax: _____

E-mail: mpeterson@gardnerpeterson.com

V. PZC APPLICATION PROJECT SUMMARY

Describe the project briefly in regard to the purpose of the project and the activities that will occur. Attach to this application a complete and detailed description with maps and documentation as required by the "Town of Vernon Zoning Regulations" and "Town of Vernon Subdivision Regulations".

Purpose: Provide additional indoor storage of vehicles & equipment

General Activities: Removal of existing garage and
construction of larger garage and designated
parking areas.

VI. APPROVAL (S) REQUESTED

Subdivision or Resubdivision

- Subdivision (Sub. Sec. 4, 5, 6)
- Resubdivision (Sub. Sec. 4, 5, 6)
- Minor modification of subdivision or resubdivision (Sub. Sec. 4.6)
- Town acceptance of a road (Sub. Sec. 6.5-6.8 & 9)
- Amendment of Subdivision Regulations (Sub. Sec. II)

See Subdivision Regulations Sec. 4 for application fee schedules.

 X Soil Erosion and Sediment Control Plan (ESCP) (ZR Sec. 2.117; 18) (Sub. 6.14)

 X Site Plan of Development (POD) (ZR Sec. 14)

- X POD approval (ZR Sec. 14.1.1.1; 14.1.2)
- Modification of an approved POD (ZR Sec. 14.1.1.1)
- Minor modification of a site POD (ZR Sec. 14.1.1.2)

Special Permit(s) (ZR Section 17.3)

- Special Permit in an aquifer area (ZR Sec. 2.4; 2.5; 2.119; 20)
- Special Permit for excavation (ZR Sec. 2.52; 2.79; 15)
- Special Permit for use in a district (ZR Sec. 1.2 & 4)
- X Special Permit for lot coverage (ZR Sec. 1.2; 2.61; 2.68; 4)
- Special Permit for signs (ZR Sec. 1.2; 2.106-115; 4; 16; 21.7)
- Special Permit for parking (ZR Sec. 4; 12; 21.4)
- Special Permit for elderly housing (ZR Sec. 2.60; 17.4)
- Special Permit for Bed & Breakfast (B & B) (ZR Sec. 2.9; 17.3.4)
- Special Permit for serving alcohol (ZR Sec. 2.103, 17.1)
- Special Permit for massage (ZR Sec. 2.76-78; 4)
- Special Permit for telecommunications (ZR Sec. 2.21; 3.23 & 23)
- Special Permit for dumps and/or incinerators (ZR Section 8)

____ Other Special Permit(s). Cite ZR Section and describe activity:

____ Special Permit modifications (ZR Sec. 17.3.2.2). Cite ZR Section and describe activity.

____ **Zoning:**

____ Site specific change of zoning district and map (ZR Sec. 1.2; 1.3; 4)

____ Amendment of Zoning Regulations (Sec. 1.2; 1.3; 4)

____ Site specific change to the Aquifer Protection Overlay Zone Map (ZR Sec. 20.3.2)

See Zoning Regulations Section 22 for application fee schedules.

____ Dealer or Repairer License (location approval for DMV)

VII. APPLICATION CONDITIONS / STIPULATIONS

The following provisions apply to all applications submitted to the Planning & Zoning Commission (PZC) and are incorporated as part of the application.

All information shall be submitted to the Town Planner and no application shall be considered as being filed if incomplete or if delivered to any other Town Official (Sub Sec.4).

If the area to be developed contains more than one-half (1/2) acre area that will be physically altered or disturbed, a completed erosion and sedimentation control plan (ESCP) in accordance with Zoning Regulations Section 18 and/or Subdivision Regulations Section 6.14, as applicable, must be submitted. The applicant shall be responsible for all costs associated with the certification of the ESCP.

By signing this application, permission is granted to Commission members, employees of the Town of Vernon, and persons assisting the Town Staff to go onto the subject property to make inspections pursuant to the application review, approval, bonding requirements, or obtaining information materially relevant to the application.

No application coming before a Commission may be withdrawn after it has been advertised for a public hearing unless the Chairman or Secretary of the Commission is notified in writing by the applicant or his representative not later than forty-eight (48) hours prior to the scheduled hearing before the Commission. All fees encumbered in the advertising and review of the application is non-refundable (ZR Section 1.5).

All applications must be submitted on drawings which are one of the following sizes: 8.5" x 11"; 12" x 18", 18" x 24"; 24" x 36". Subdivision and resubdivision maps must be 24" x 36".

The application shall include an 8.5" x 11" map showing the location of the site and an 8.5" x 11" general plan of development (POD) map showing the development proposed on the site.

A legal description of the subject property must be submitted with this PZC application. The legal description should bear the Volume number and Page number by which it is recorded in the land records.

Applications to the Planning & Zoning Commission (PZC) require notification of property owners within two hundred feet (200') of the subject property. A list of property owners and a complete set of mailing labels must be submitted with the application.

Applicants shall submit one copy of a brief narrative including a traffic impact statement, outlining the proposed activity and the reason for the application. The traffic impact statement shall provide sufficient data for the Vernon Traffic Authority and PZC to be able to access traffic conditions relative to the location, site design, and proposed activity.

Applicant shall submit twenty (20) copies of a map showing all information required in Zoning Regulations Section 14 Site Plans, and Section 17.3.2 Special Permits as may be required, and/or the Subdivision Regulations Section 4,5,7.

The map must be prepared by a licensed surveyor, if the application involves (a) exterior modification to the building or premises, such as off-street parking, which need dimensionally critical measurements to insure compliance with zoning or (b) the improvements involve disturbing more than one half acre of land.

Applicant shall submit the above-required information to the Town Planning Office accompanied by a check in the amount determined by the fees established by the State of Connecticut, Town of Vernon and/or the PZC with the application. The check, which is required as a filing fee, is to be payable to, "Town of Vernon". (See attached fee schedule).

THE APPLICATION WILL BE CONSIDERED INCOMPLETE IF ANY REQUIRED INFORMATION IS NOT SUBMITTED.

APPLICANT SHALL FILE A COPY OF ANY PROPOSED REGULATION AMENDMENT, ZONE CHANGE, OR WETLANDS REDESIGNATION WITH THE TOWN CLERK TEN (10) DAYS PRIOR TO THE HEARING AS PER SECTIONS 8-3(a) AND (d) AND 22a-42a (b) OF THE GENERAL STATUTES. CERTIFICATION OF THE FILING UNDER THESE SECTIONS BY THE APPLICANT MUST BE PRESENTED AT THE PUBLIC HEARING.

For Commission Order (Form 0000) Section 8.10. If an application submitted to the Planning & Zoning Commission (PZC) contains any activity or use regulated under the wetlands statute, the application for the activity must be filed with the Natural Wetlands Commission (NWC) on or before the day the Planning & Zoning Commission (PZC) application is filed by the applicant. (PZC Sec. 1.12)

Any activity Sec. 8.10. If the proposed activity is in this place within a watershed of a Water Company, the applicant is required to file a copy of the application with the Water Company no earlier and no later than 10 days of the date of the application. (PZC Sec. 1.12)

The applicant, undersigned, has reviewed the "Terms of Future Planning and Zoning Regulations and Natural Wetlands and Watersheds Regulations" and has prepared this application with complete and accurate information.

Property Owner, Applicant, or Applicant's Agent


Signature


Date

Signature

Date

TO BE FILED IN AT THE PLANNING DEPARTMENT

Date Application Received _____

Date Application Reviewed by Commission _____

PZC File _____

Per Connecticut General Statutes (CGS) Section 8-26: If an application submitted to the Planning & Zoning Commission (PZC) involves any activity or area regulated under the wetlands statutes, an application for this activity must be filed with the Inland Wetlands Commission (IWC) on or before the day the Planning & Zoning Commission (PZC) application is filed by the applicant. (IWR Sec. 3.11)

Per CGS Sec. 8-31: If the proposed activity is to take place within a watershed of a Water company, the applicant is required to file a copy of the application with the Water Company via certified mail within seven (7) days of the date of the application. (IWR Sec. 4.3.6).

The applicant, undersigned, has reviewed the "Town of Vernon Planning and Zoning Regulations and Inland Wetlands and Watercourses Regulations" and has prepared this application with complete and accurate information:

Property Owner, Applicant, or Applicant's Agent:



Signature

8/02/2021

Date

Signature

Date

TO BE FILLED IN BY THE PLANNING DEPARTMENT

Date Application Submitted _____

Date Application Received by Commission _____

PZC File: _____

USE THIS FORM ONLY IF THE REQUIREMENTS OF
8.3(a)/22-a-42a(b) OF THE C.G.S. MUST BE MET

RECEIPT FOR DOCUMENTS SUBMITTED FOR PUBLIC INSPECTION

TO: VERNON TOWN CLERK

FROM:

REFERENCE:

DATE"

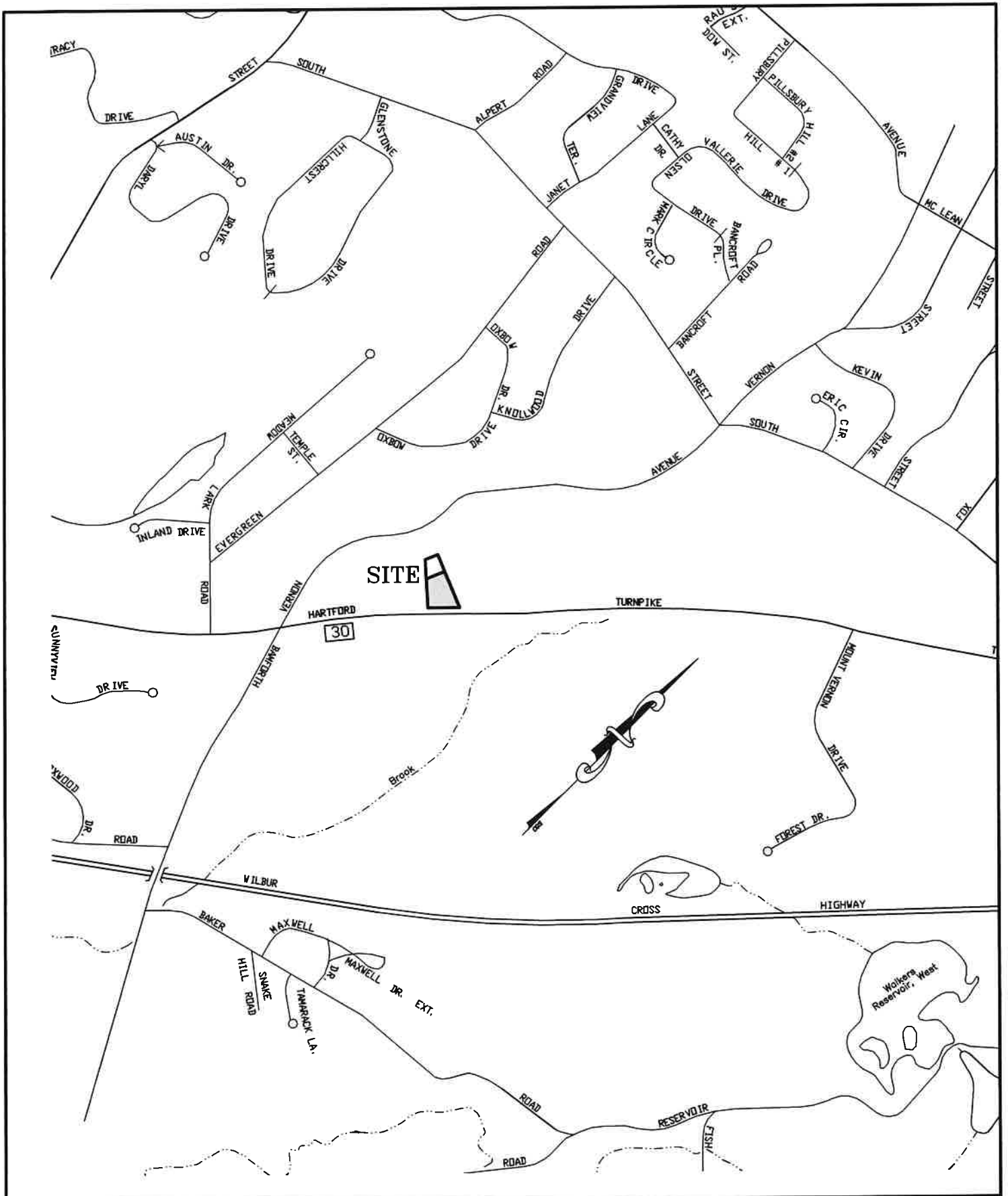
The attached documents, consisting of:

Are being submitted for public inspection under CGS 8-3(a)/22a-42a (b).

Received: _____

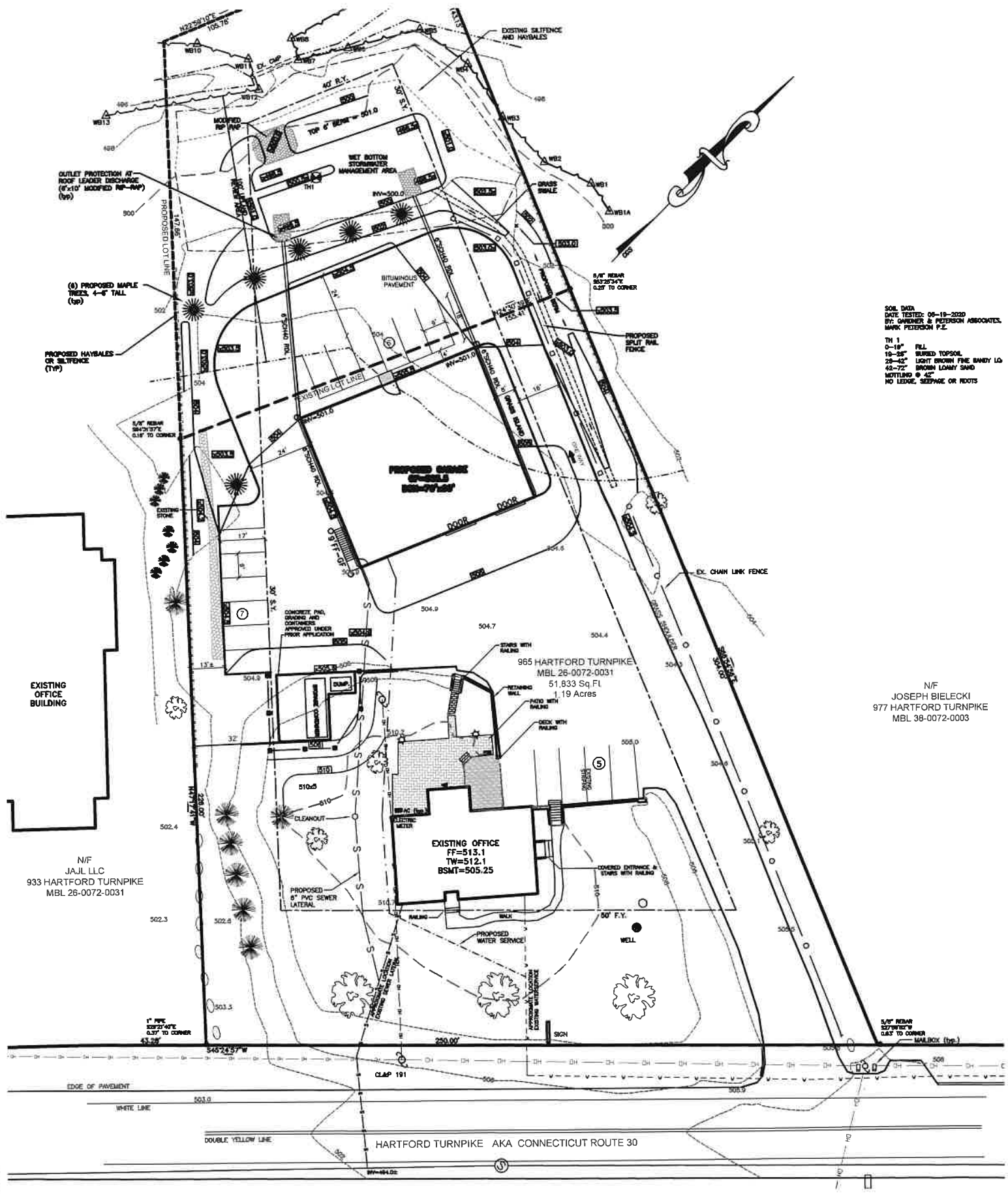
Vernon Town Clerk _____
Signature

Date: _____



KEY MAP

SCALE: 1" = 1000'



SOL DATA
DATE TESTED: 05-19-2020
BY: GARDNER & PETERSON ASSOCIATES
MARK PETERSON P.E.

TH 1
0-18" FILL
18-25" BURIED TOPSOIL
25-42" LIGHT BROWN FINE SANDY LO
42-72" BROWN LOAMY SAND
NOTTING @ 42"
NO LEAK, SEEPAGE OR ROOTS

N/F
JOSEPH BIELECKI
977 HARTFORD TURNPIKE
MBL 38-0072-0003

N/F
JAIL LLC
933 HARTFORD TURNPIKE
MBL 26-0072-0031

EXISTING OFFICE
FF=513.1
TW=512.1
BSMT=505.25

965 HARTFORD TURNPIKE
MBL 26-0072-0031
51,833 Sq Ft
1.19 Acres

HARTFORD TURNPIKE AKA CONNECTICUT ROUTE 30

965 Hartford Turnpike

Schedule "A"

A piece or parcel of land known as Parcel "A" on a map entitled Property of William B and Helen M. Kania, Vernon, Connecticut, Scale 1" = 50', July 8, 1987, Revised August 4, 1997 To Delimits Parcel "A", Revised October 3, 1997 Parcel "A", Stanley W. Szesztowicz, 623 Talpoctville Road, Vernon, Connecticut, which map of plan is on file or to be filed in the office of Vernon Town Clerk which piece or parcel is more particularly described as follows

Beginning at a point in the Westerly line of Connecticut Route 30 (Hartford Turnpike) which point is marked by an iron pin marking the Northeast corner of the parcel herein conveyed, thence running S 56° 18' 03" W along the Westerly line of Hartford Turnpike a distance of Two Hundred Fifty (250.00') feet to a point, which point is located Forty-three and 28/100 (43 28") feet from a CHD monument in the Westerly line of Hartford Turnpike, thence turning and running N 36° 27' 00" W along land now or formerly of the Grantors a distance of Two Hundred Twenty-six (226.00') feet to a point, thence turning and running N 35° 34' 20" E along land now or formerly of the Grantors a distance of One Hundred Fifty-five and 41/100 (155 41') feet to a point marking the Northwest corner of the parcel herein conveyed, thence turning and running S 36° 01' 50" E along land now or formerly of Belscak, a distance of Three Hundred Four (304.00') feet to the point or place of beginning

Said parcel conveyed herein contains One and 19/100 (1 19) acres

This parcel is conveyed along with the right to drain storm water as it exists at the time of this conveyance

RECORDED IN
VERNON LAND RECORDS
Barnes K. Dixon
VERNON TOWN CLERK
ON APR 23, 2015 AT 10:26A

Portion of 933 Hartford Turnpike

The piece or parcel of land shown as "Land of JAJL LLC To Be Conveyed To And Combined With Land of A. Vets Real Estate LLC 0.42" on a map or plan entitled, "Data Accumulation Plan Zone Change Map From Commercial To Industrial Zone Prepared For A.Vets Real Estate LLC 933 & 965 Hartford Turnpike Vernon, Connecticut Gardner & Peterson, LLC Tolland, Connecticut Date 4-15-2020 Sheet No. 1 of 1."

The premises is a portion of the property shown on the Fiduciary's Deed recorded at Volume 1386, Page 327 of the Vernon Land Records.

GARDNER & PETERSON ASSOCIATES, LLC

PROFESSIONAL ENGINEERS • LAND SURVEYORS

178 HARTFORD TURNPIKE
TOLLAND, CONNECTICUT 06084

KENNETH R. PETERSON, L.S.
ERIC R. PETERSON, P.E., L.S.
MARK A. PETERSON, P.E.

TELEPHONE: (860) 871-0808

info@GardnerPeterson.com
www.GardnerPeterson.com

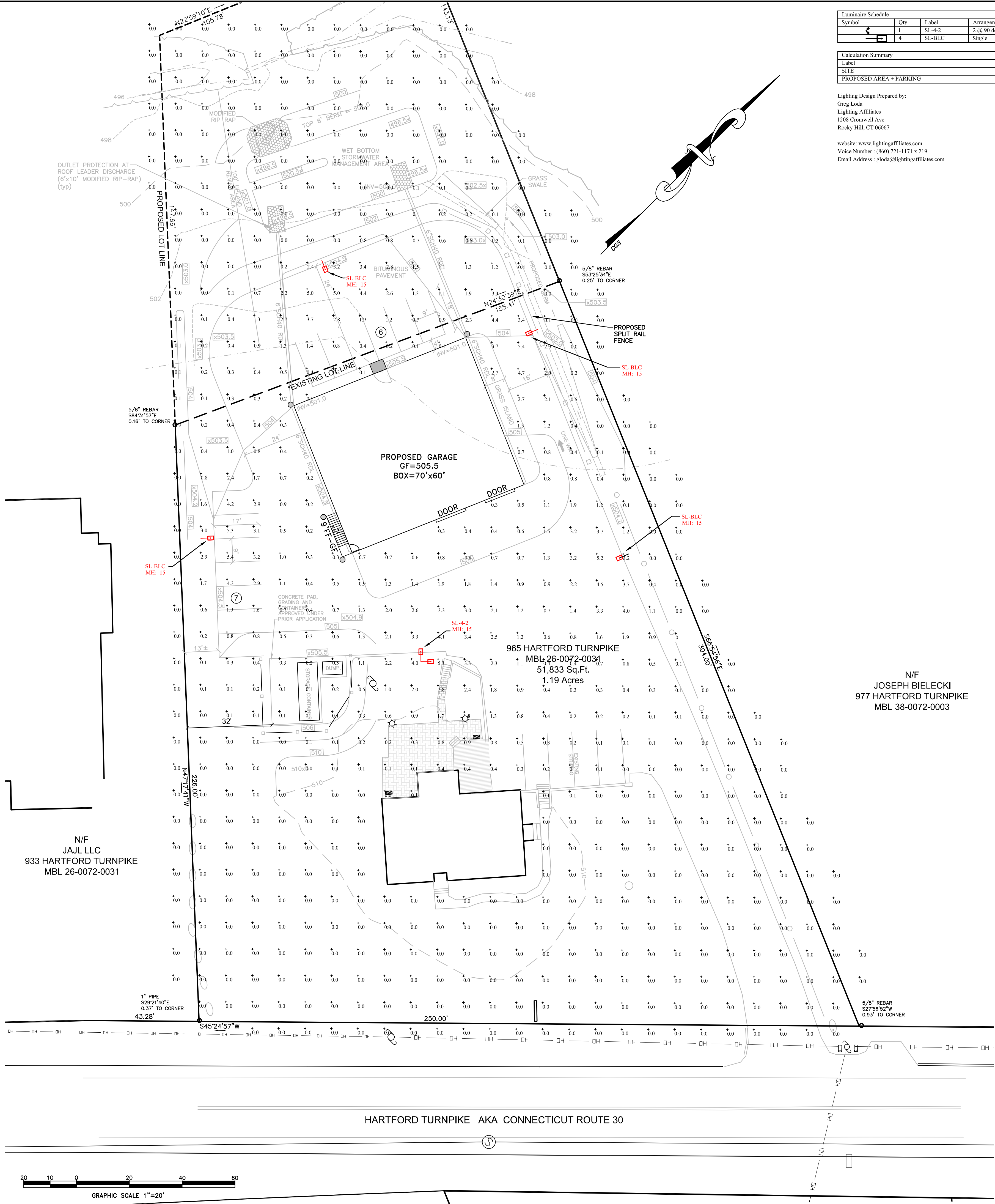
Project Narrative:

A.Vets Real Estate, LLC is seeking a Site Plan approval for American Vets Abatement Experts, LLC (the owners of which are the same) for site modifications at 965 Hartford Turnpike and across a portion of land to be acquired from JAJL, LLC at 933 Hartford Turnpike. They would like to remove the existing storage garage and construct a new, larger garage with associated parking and stormwater management.

Traffic Statement

The proposed Site Plan will not increase the volume of traffic entering/exiting the site. The proposed improvements are for staff use and the business has minimal customers visiting the site.

S:\PROJECTS\10711\10711.dwg
10/11/2017 10:11:11 AM
10/11/2017 10:11:11 AM



Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Luminaire Lumens	Luminaire Watts	L.F.	BUG Rating	Description
	1	SL-4-2	2 @ 90 degrees	6806	49	0.900	B1-10-02	LITHONIA DSX0 LED P2 40K TFTM MVOLT SPA DBLXD - SSS 15 4C DM29AS DBLXD 15FT POLE
	4	SL-BLC	Single	6925	71	0.900	B1-10-02	LITHONIA DSX0 LED P3 40K BLC MVOLT SPA DBLXD - SSS 15 4C DM19AS DBLXD 15FT POLE
Mounting Height								
								15

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Illuminance	Fc	0.32	5.4	0.0	N.A.	N.A.
PROPOSED AREA - PARKING	Illuminance	Fc	1.62	5.4	0.1	16.20	54.00

Lighting Design Prepared by:
Greg Loda
Lighting Affiliates
1208 Cornwell Ave
Rocky Hill, CT 06067

website: www.lightingaffiliates.com
Voice Number : (860) 721-1171 x 219
Email Address : gloda@lightingaffiliates.com

LEGEND	
SIGN	
UTILITY POLE	
LIMIT OF WETLANDS	
WETLAND FLAG	
100' UPLAND REVIEW AREA	
OVERHEAD WIRES	
PROPERTY LINE	
EXISTING IRON ROD OR PIN	
LOT LINE TO BE REMOVED	
PROPOSED BOUNDARY LINE	
EXISTING CONTOUR	
EDGE SEASONAL WATERCOURSE	
PROPOSED LIGHT	

SITE LIGHTING PLAN
PREPARED FOR
A. VETS REAL ESTATE, LLC
965 HARTFORD TURNPIKE
VERNON, CONNECTICUT

GARDNER & PETERSON ASSOCIATES, LLC

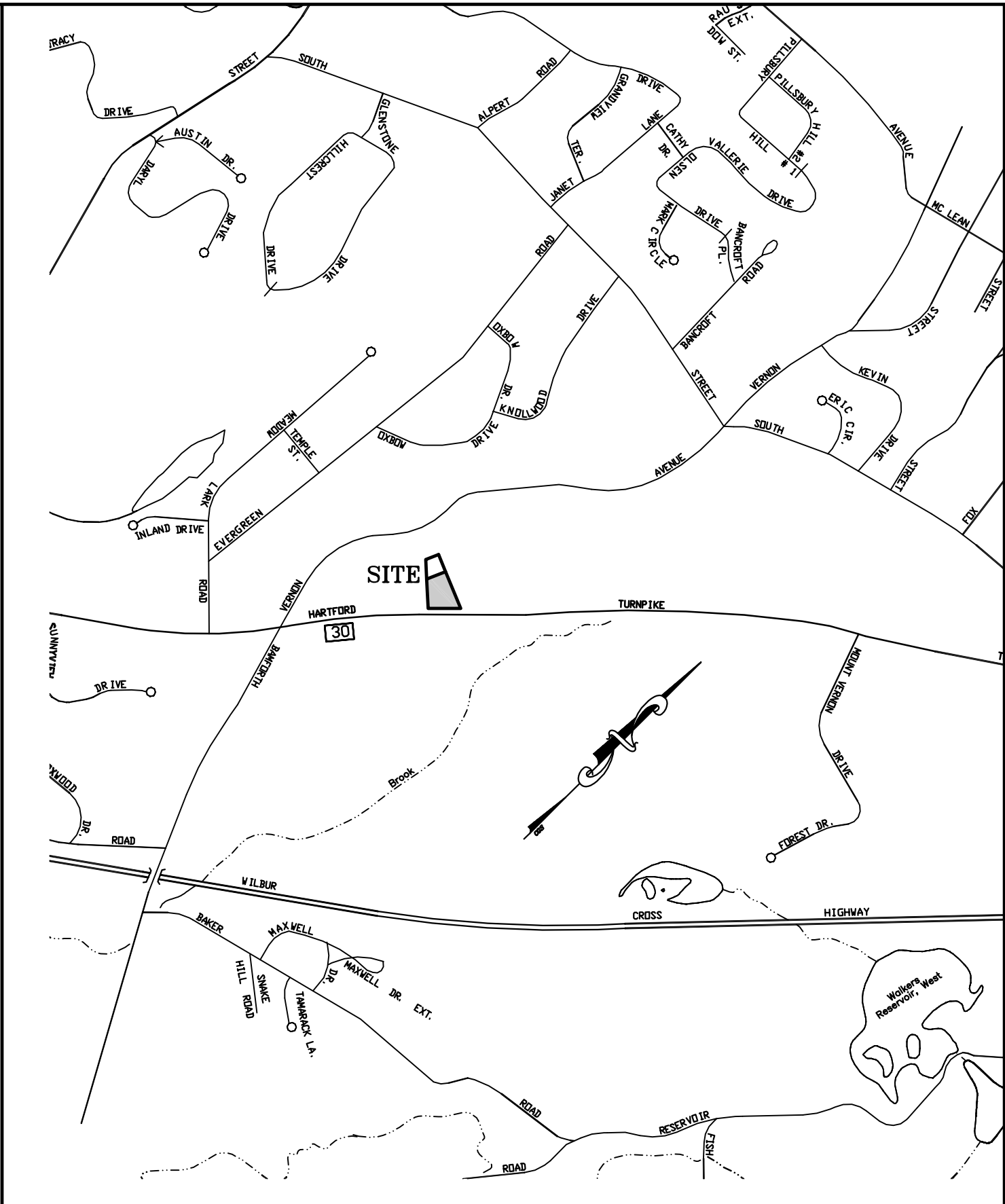
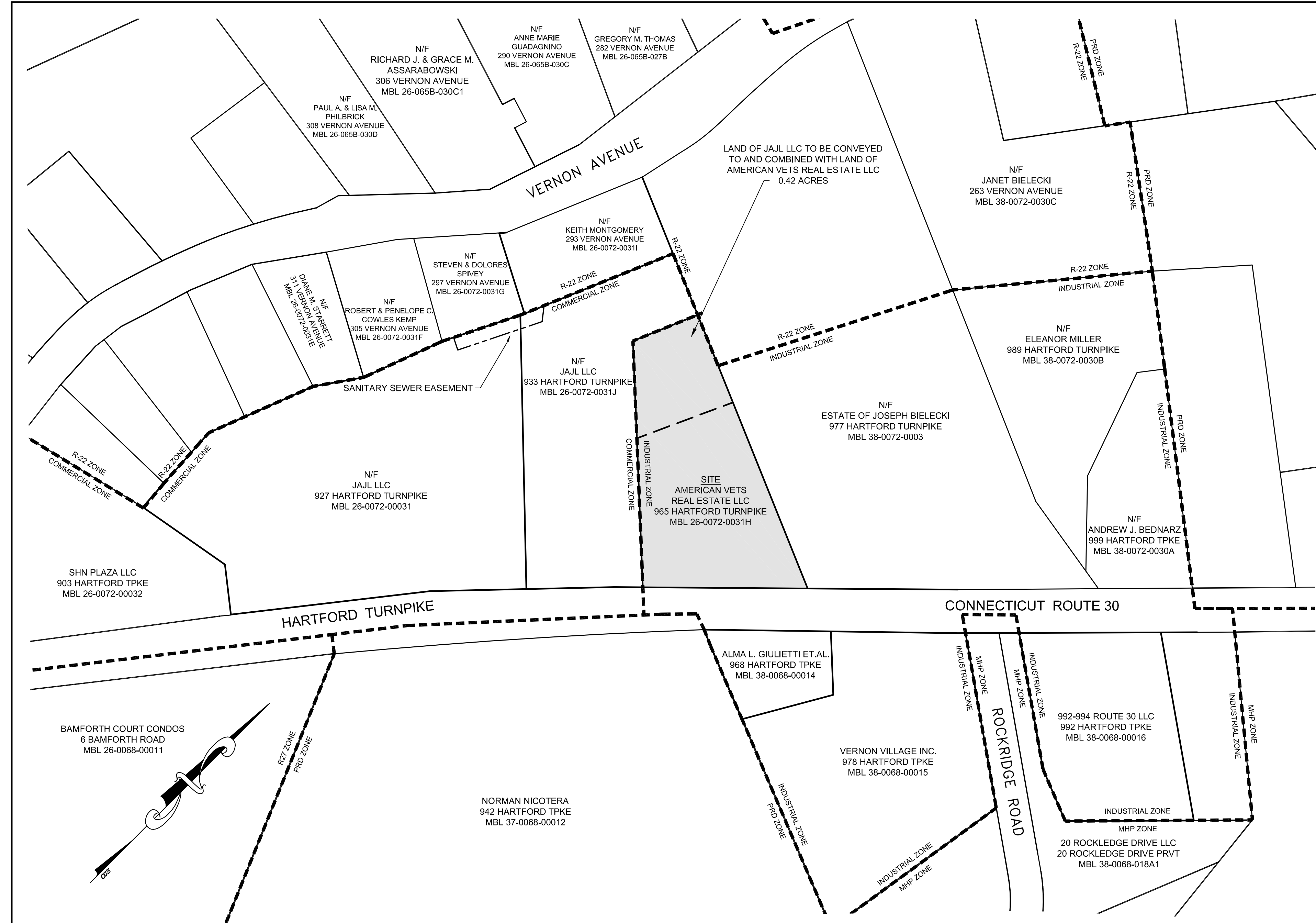
178 HARTFORD TURNPIKE
TOLLAND, CONNECTICUT

PROFESSIONAL ENGINEERS

LAND SURVEYORS

BY	SCALE	DATE	SHEET NO.	MAP NO.
M.A.P.	1"= 20'	08-08-2021	1 OF 1	10711L

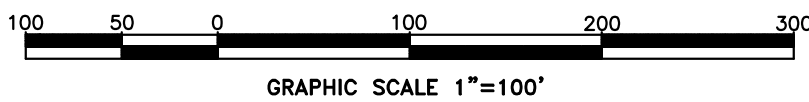
REVISIONS



KEY MAP SCALE: 1" = 1000'

APPROVED BY TOWN OF VERNON
PLANNING & ZONING COMMISSION


_____, Chairmam Date: _____
_____, Secretary Date: _____



NOTES:

- THIS MAP AND SURVEY HAVE BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THROUGH 20-300b-20 "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT". THIS IS AN IMPROVEMENT LOCATION SURVEY BASED UPON A DEPENDANT RESURVEY, CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND TOPOGRAPHIC ACCURACY CLASS 1-2.
- REFERENCE IS MADE TO THE FOLLOWING MAPS:
A. "PROPERTY OF WILLIAM B. & HELEN M. KANIA VERNON, CONNECTICUT SCALE: 1"=50' JULY 8, 1987 REVISED TO AUGUST 4, 1997 TO DELINEATE PARCEL "A" BY: STANLEY W. SZESTOWICKI AND RECORDED IN THE TOWN OF VERNON LAND RECORDS OCT. 10, 1997."
B. "DATA ACCUMULATION PLAN ZONE CHANGE MAP PREPARED FOR AMERICAN VETS 933 & 965 HARTFORD TURNPIKE VERNON, CONNECTICUT BY: GARDNER & PETERSON ASSOCIATES, LLC SCALE: 1"=100', DATE 04-15-2020, SHEET NO. 1 OF 1, MAP NO. 107112"
- THE AREA OF 965 HARTFORD TURNPIKE IS 1.19 ACRES. 0.42 ACRES OF LAND TO THE NORTH CURRENTLY OWNED BY JAII LLC IS UNDER CONTRACT TO BE PURCHASED BY THE APPLICANT.
- PROPOSED LOT COVERAGE: 43% (INCLUDES ALL BITUMINOUS & CONCRETE SURFACES, ROOFS, DECK AND PAVERS)

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.


KENNETH R. PETERSON L.S. 10839
REGISTRATION NO.

LEGEND

- BOUNDARY _____
SITE 
EXISTING ZONE BOUNDARY - - - - -

IMPROVEMENT LOCATION SURVEY

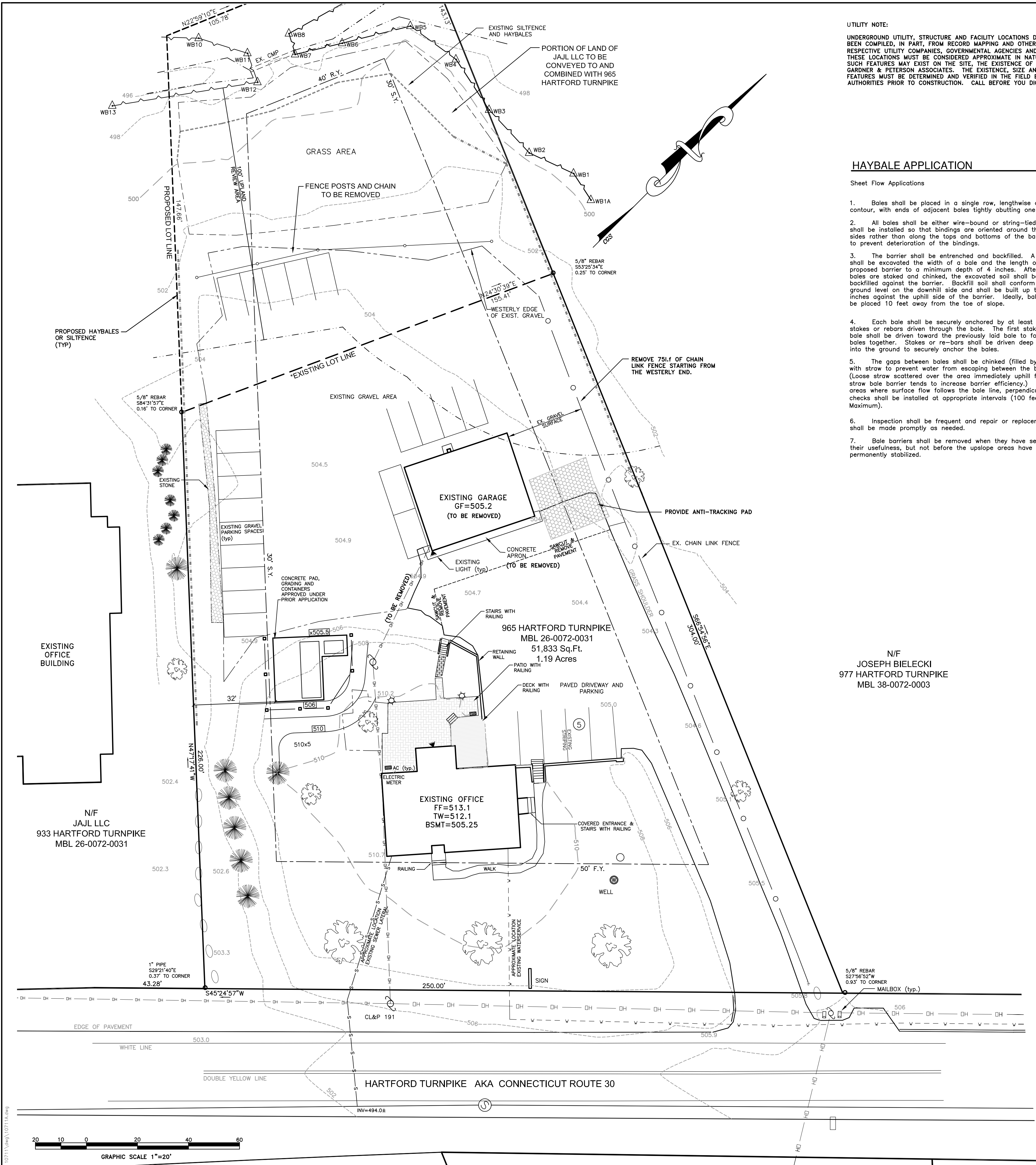
SITE PLAN
PREPARED FOR
A. VETS REAL ESTATE, LLC
965 HARTFORD TURNPIKE
VERNON, CONNECTICUT

GARDNER & PETERSON ASSOCIATES, LLC
178 HARTFORD TURNPIKE
TOLLAND, CONNECTICUT

PROFESSIONAL ENGINEERS LAND SURVEYORS

BY	SCALE	DATE	SHEET NO.	MAP NO.
M.A.P.	1"=100'	06-15-2021	1 OF 3	10711S

REVISIONS
07-19-2021 STAFF COMMENTS
07-28-2021 IWC CONDITIONS



UTILITY NOTE:

UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND OTHER DATA SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES, GOVERNMENTAL AGENCIES AND / OR OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO GARDNER & PETERSON ASSOCIATES. THE EXISTENCE, SIZE AND LOCATION OF ALL SUCH FEATURES MUST BE DETERMINED AND VERIFIED IN THE FIELD BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.

HAYBALE APPLICATION

Sheet Flow Applications

- Bales shall be placed in a single row, lengthwise on the contour, with ends of adjacent bales tightly abutting one another.
- All bales shall be either wire-bound or string-tied. Bales shall be installed so that bindings are oriented around the sides rather than along the tops and bottoms of the bales to prevent deterioration of the bindings.
- The barrier shall be entrenched and backfilled. A trench shall be excavated the width of a bale and the length of the proposed barrier to a minimum depth of 4 inches. After the bales are staked and chinked, the excavated soil shall be backfilled against the barrier. Backfill soil shall conform to the ground level on the downhill side and shall be built up to 4 inches against the uphill side of the barrier. Ideally, bales should be placed 10 feet away from the toe of slope.
- Each bale shall be securely anchored by at least two stakes or rebars driven through the bale. The first stake in each bale shall be driven toward the previously laid bale to force the bales together. Stakes or re-bars shall be driven deep enough into the ground to securely anchor the bales.
- The gaps between bales shall be chinked (filled by wedging) with straw to prevent water from escaping between the bales. (Loose straw scattered over the area immediately uphill from a straw bale barrier tends to increase barrier efficiency.) In sloping areas where surface flow follows the bale line, perpendicular bale checks shall be installed at appropriate intervals (100 feet Maximum).
- Inspection shall be frequent and repair or replacement shall be made promptly as needed.
- Bale barriers shall be removed when they have served their usefulness, but not before the upslope areas have been permanently stabilized.

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.
- ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN THE AMOUNT NECESSARY TO COMPLETE THE FINISHED GRADING OF ALL EXPOSED AREAS.
- AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO MINIMIZE EROSION, SLIPPAGE, AND SETTLEMENT. FILL INTENDED TO SUPPORT STRUCTURES, DRAINAGE, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH THE APPROPRIATE STATE AND/OR LOCAL SPECIFICATIONS.
- FILL MATERIAL SHALL BE FREE OF BRUSH, RUBBISH, LARGE ROCKS, LOGS, STUMPS, BUILDING MATERIAL, COMPRESSIBLE MATERIAL, AND OTHER MATERIALS WHICH MAY INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIAL OR SOFT MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON A FROZEN FOUNDATION.
- ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH SOUND CONSTRUCTION PRACTICE.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISH GRADING. IF FINISH GRADING IS TO BE DELAYED FOR MORE THAN 30 DAYS AFTER DISTURBANCE IS COMPLETE, TEMPORARY SOIL STABILIZATION MEASURES SHALL BE APPLIED. AREAS LEFT OVER 30 DAYS SHALL BE CONSIDERED "LONG TERM" AND SHALL RECEIVE TEMPORARY SEEDING WITHIN THE FIRST 15 DAYS.
- SITE IS TO BE GRADED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCHING, AND MAINTENANCE UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 2:1. TOPSOIL SHALL BE SPREAD TO A MINIMUM DEPTH OF 4". ADDITIONAL TOPSOIL MAY BE REQUIRED TO MEET MINIMUM DEPTHS. NO TOPSOIL SHALL BE REMOVED FROM THIS SITE.
- APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL CULPACKER TYPE SEEDER, OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER). NORMAL SEEDING DEPTH IS FROM 1/4" TO 1/2" INCH. HYDROSEEDING WHICH IS MULCHED MAY BE LEFT ON THE SOIL SURFACE.
- WHERE FEASIBLE, EXCEPT WHERE EITHER A CULPACKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING WITH A ROLLER OR LIGHT DRAG.
- FERTILIZER AND LIME ARE TO BE WORKED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISC OPERATION SHOULD BE ALONG THE CONTOUR.
- REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER. REMOVE ALL OTHER DEBRIS SUCH AS WIRE, TREE ROOTS, PIECES OF CONCRETE, OR OTHER UNSUITABLE MATERIALS.
- INSPECT SEEDBED BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED BEFORE SEEDING, THEN FIRMED AS DESCRIBED ABOVE.
- WHERE GRASSES PREDOMINATE, FERTILIZE ACCORDING TO SOIL ANALYSIS, OR SPREAD 300 POUNDS OF 10-10-10 OR EQUIVALENT PER ACRE (7.5 POUNDS PER 1000 S.F.).
- CALCIUM CHLORIDE WILL BE AVAILABLE FOR DUST CONTROL ON GRAVEL TRAVEL SURFACES.

TEMPORARY SEEDING SCHEDULE:

SPECIES	LBS./ACRE	LBS./1000SF	SEEDING DATES
ANNUAL RYEGRASS	40	0.9	3/1-6/15, 8/1-10/1
WINTER RYE	40	0.9	4/15-6/15, 8/15-10/1
SUDANGRASS	11	0.25	5/15-6/15

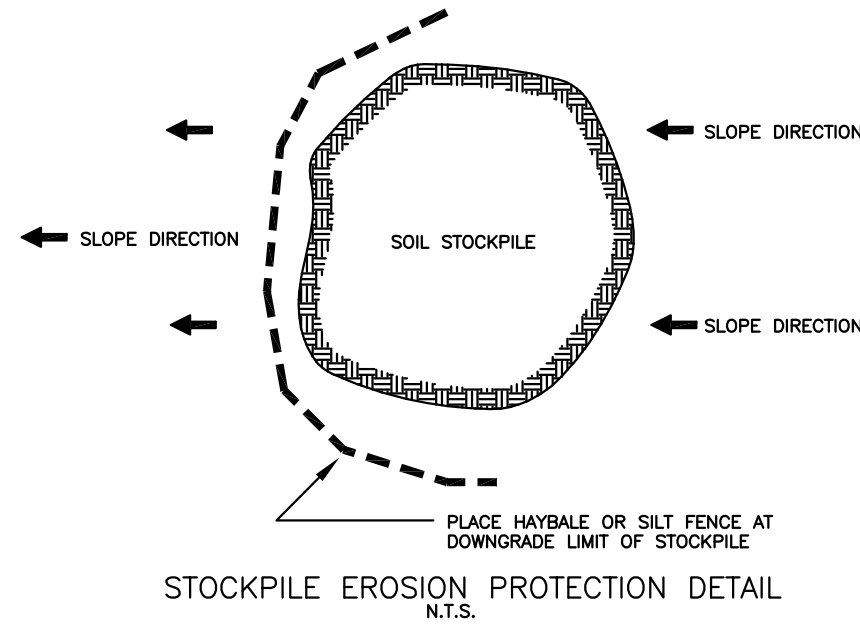
TEMPORARY SEEDING IS NOT LIMITED TO THE SPECIES SHOWN. OTHER SPECIES RECOMMENDED BY THE SCS OR AS LIMITED BY SITE CONDITIONS MAY BE USED.

STRAW MULCH IS TO BE APPLIED TO SEEDBED AREA AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE. 70 TO 80 LBS. PER 1000 SQ. FT.

FINAL SEEDING SCHEDULE:

PROVIDE 4 INCHES OF TOPSOIL MINIMUM, FREE OF ROOTS, LARGE STONES, AND OTHER OBJECTS.

SPECIES	LBS./ACRE	LBS./1000SF	SEEDING DATES
KENTUCKY BLUEGRASS	40	0.90	4/15-6/15, 8/15-9/15
CREeping RED FESCUE	120	2.75	
PERENNIAL RYEGRASS	40	0.90	



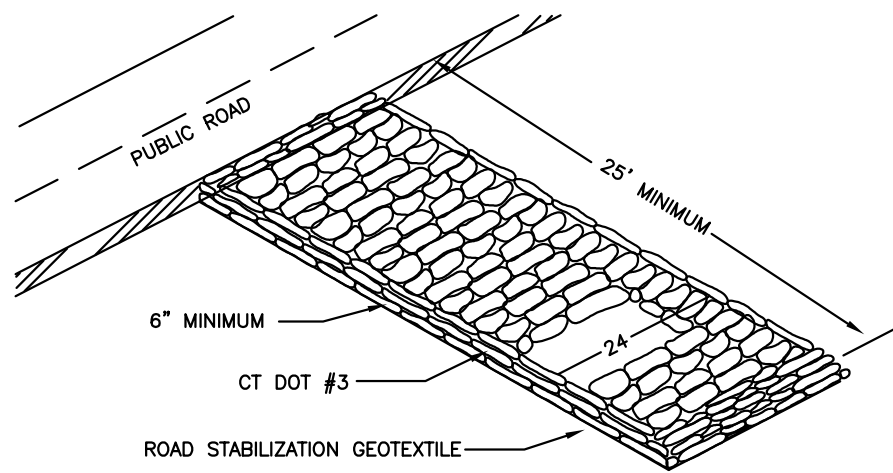
CONSTRUCTION SCHEDULE & EROSION & SEDIMENT CONTROL CHECKLIST

PROJECT NAME: A. VETS REAL ESTATE, LLC
LOCATION: 965 HARTFORD TURNPIKE VERNON
PROJECT DESCRIPTION: PROPOSED DRIVEWAY, BUILDING AND PARKING
PARCEL AREA 1.5± ACRES
RESPONSIBLE PERSONNEL: SITE CONTRACTOR, TO BE DETERMINED

WORK DESCRIPTION	EROSION & SEDIMENT CONTROL MEASURES	DATE INSTALLED	INITIALS
CONTRACTOR TO OBTAIN ENCROACHMENT PERMIT			
CONTRACTOR TO CONTACT CALL BEFORE YOU DIG			
INSTALL ANTI-TRACKING PAD			
CLEAR TREES/BRUSH			
INSTALL EROSION CONTROL			
REMOVE STUMPS			
CONSTRUCT STORMWATER BASIN TO ACT AS TEMPORARY SEDIMENT BASIN. SHED DISTURBED AREA TO BASIN.			
ROUGH GRADE SITE			
CONSTRUCT BUILDING & DRIVE			
PAVE DRIVEWAY			
FINAL GRADE SITE			
LOAM AND SEED ALL DISTURBED AREAS			
REMOVE EROSION CONTROLS WHEN SITE IS STABILIZED			

PROJECT DATES:
DATE OF CONSTRUCTION START: APPROXIMATELY SEPTEMBER 2021
DATE OF CONSTRUCTION COMPLETION: ONE YEAR FROM START OF WORK

EROSION AND SEDIMENT CONTROL PROCEDURES SHALL ESSENTIALLY BE IN ACCORDANCE WITH THESE PLANS, AS REQUIRED BY TOWN REGULATIONS, AND THE MANUAL, "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" FOR CONNECTICUT, BY THE COUNCIL ON SOIL AND WATER CONSERVATION, 1985, REVISED TO 2002.



CONSTRUCTION ENTRANCE

LEGEND

SIGN	
UTILITY POLE	
WELL	
STONE WALL	
REMAINS OF STONE WALL	
LIMIT OF WETLANDS	
WETLAND FLAG	
100' UPLAND REVIEW AREA	
PROPOSED SILTFENCE	
OVERHEAD WIRES	
PROPERTY LINE	
EXISTING IRON ROD OR PIN	
WIRE FENCE	
EXISTING SILTFENCE	
LOT LINE TO BE REMOVED	
PROPOSED BOUNDARY LINE	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	
EXISTING GRAVEL	
EDGE SEASONAL WATERCOURSE	
EXISTING LAMP POST	

IMPROVEMENT LOCATION SURVEY

EROSION & SEDIMENT CONTROL PLAN
PREPARED FOR
A. VETS REAL ESTATE, LLC
965 HARTFORD TURNPIKE
VERNON, CONNECTICUT

GARDNER & PETERSON ASSOCIATES, LLC

178 HARTFORD TURNPIKE
TOLLAND, CONNECTICUT

PROFESSIONAL ENGINEERS

LAND SURVEYORS

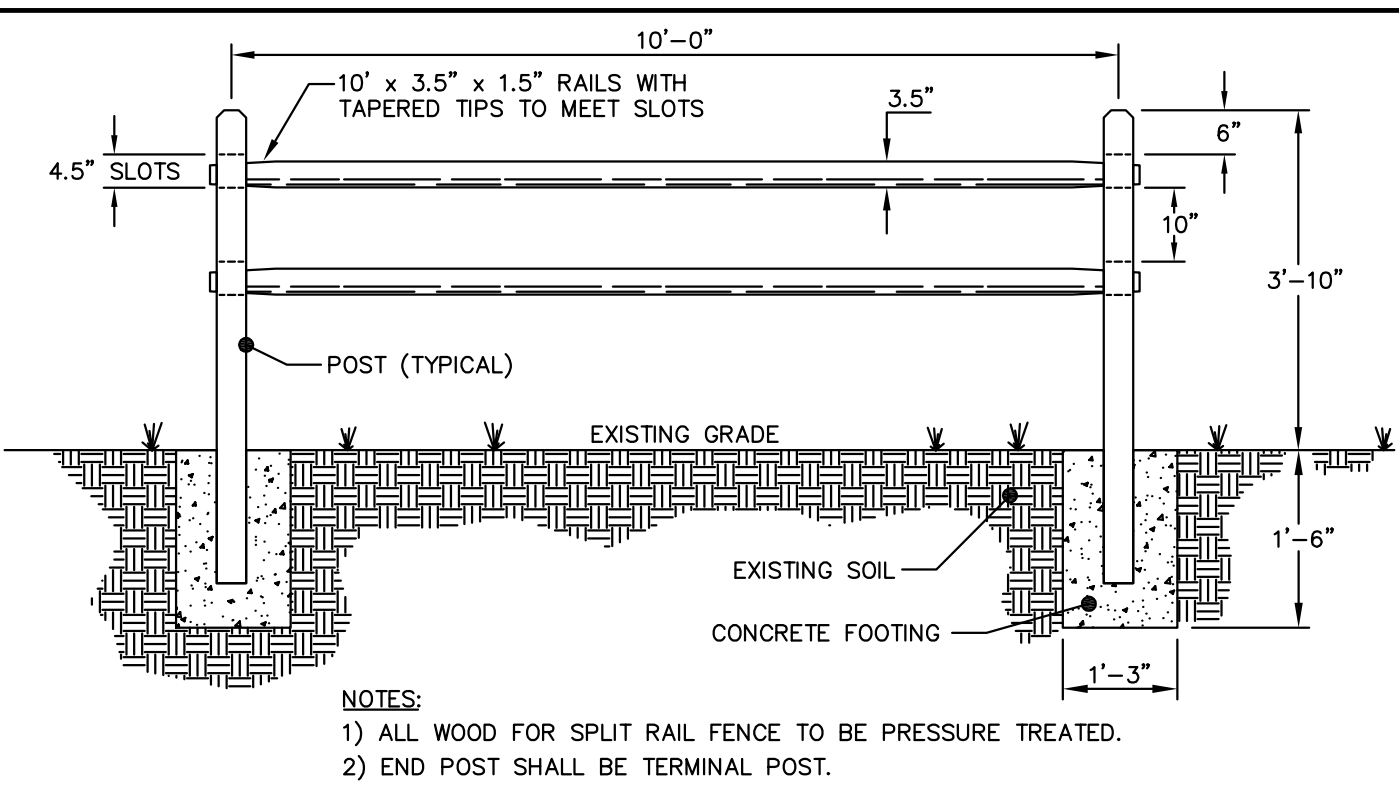
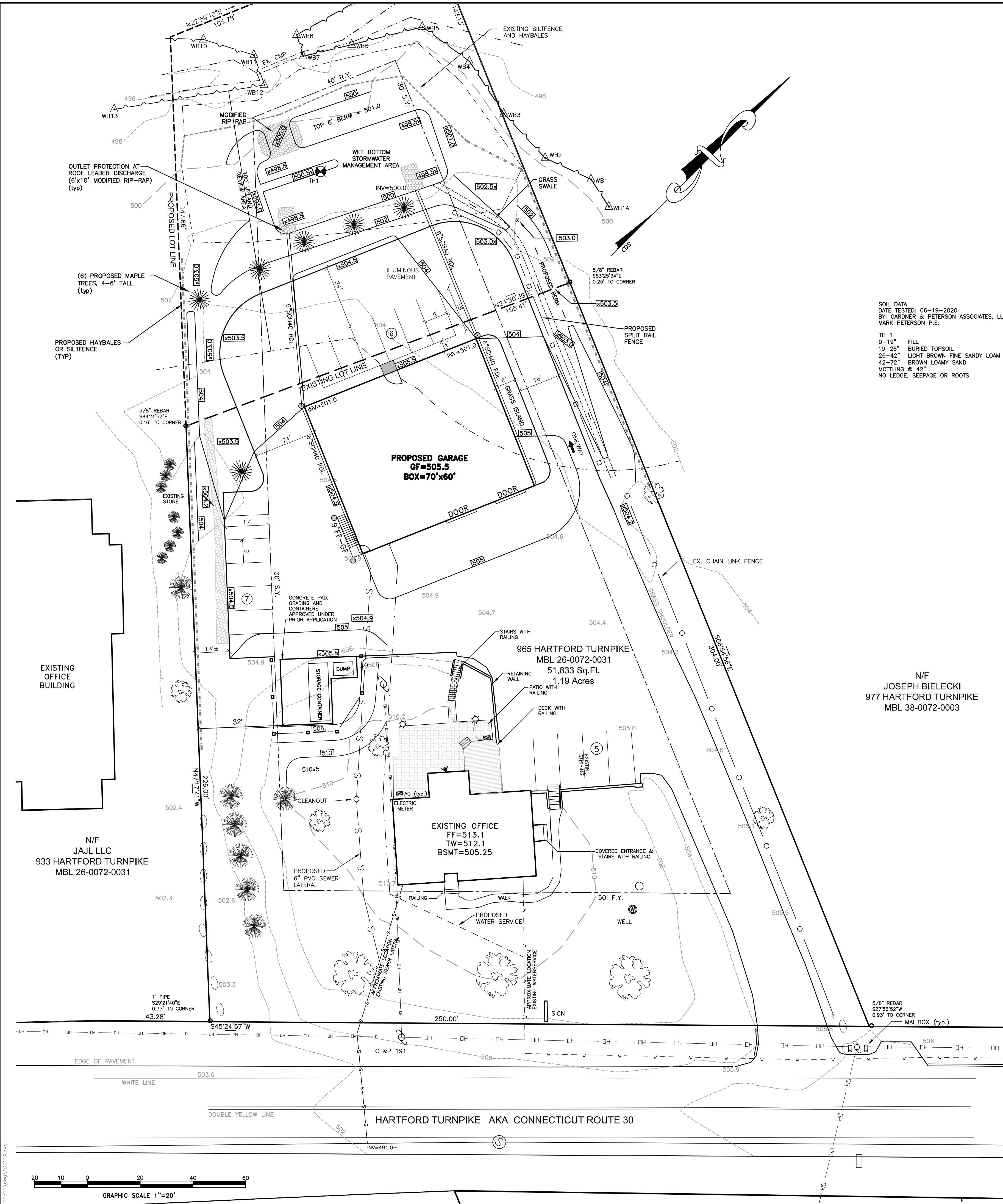
BY	SCALE	DATE	SHEET NO.	MAP NO.
M.A.P.	1"= 20'	06-15-2021	2 OF 3	10711S

REVISIONS

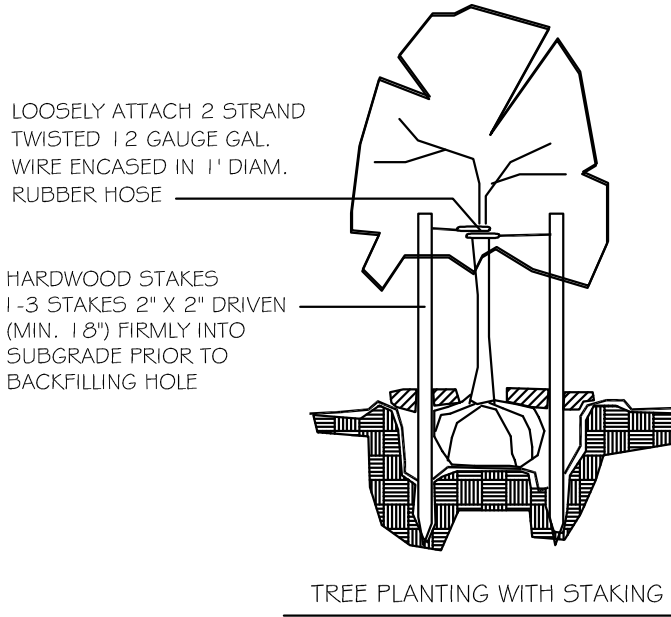
07-19-2021 STAFF COMMENTS
07-28-2021 IWC CONDITIONS

THE WETLAND SOILS ON THIS PROPERTY WERE IDENTIFIED IN THE FIELD USING THE CRITERIA REQUIRED BY CONNECTICUT P.A. 72-155 AS AMENDED BY P.A. 73-571 AND ARE ACCURATELY REPRESENTED ON THIS PLAN.

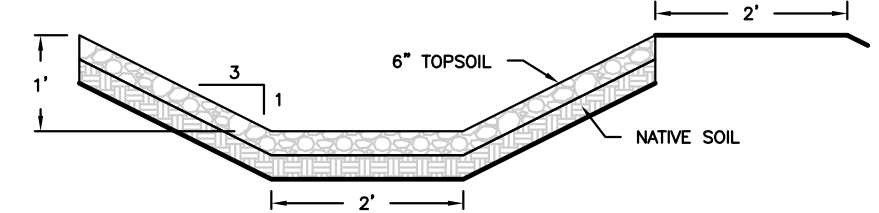
RICHARD ZULICK C.S.S.



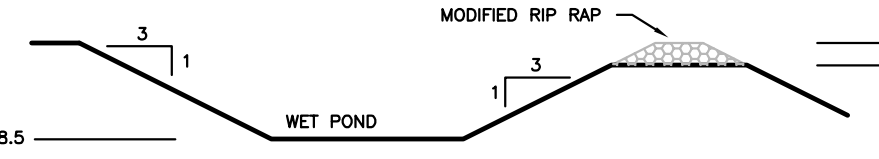
TIMBER SPLIT RAIL FENCE DETAIL



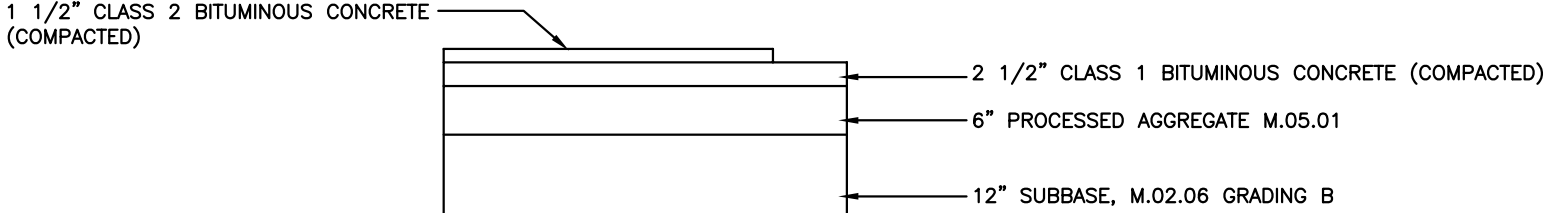
PLANTING DETAILS



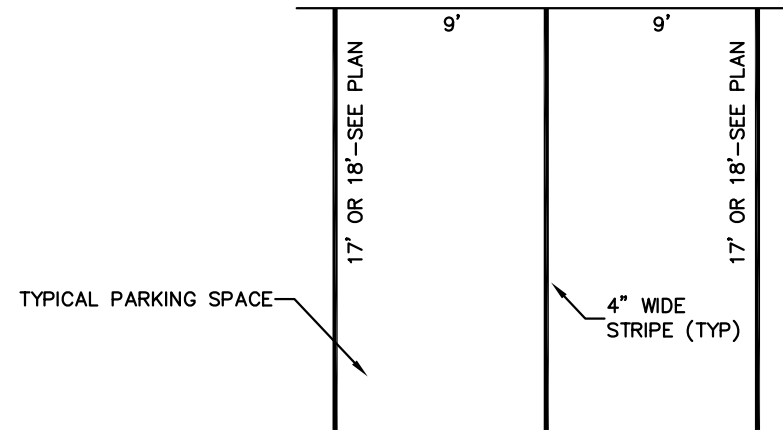
GRASS LINED SWALE



WET POND DETAIL

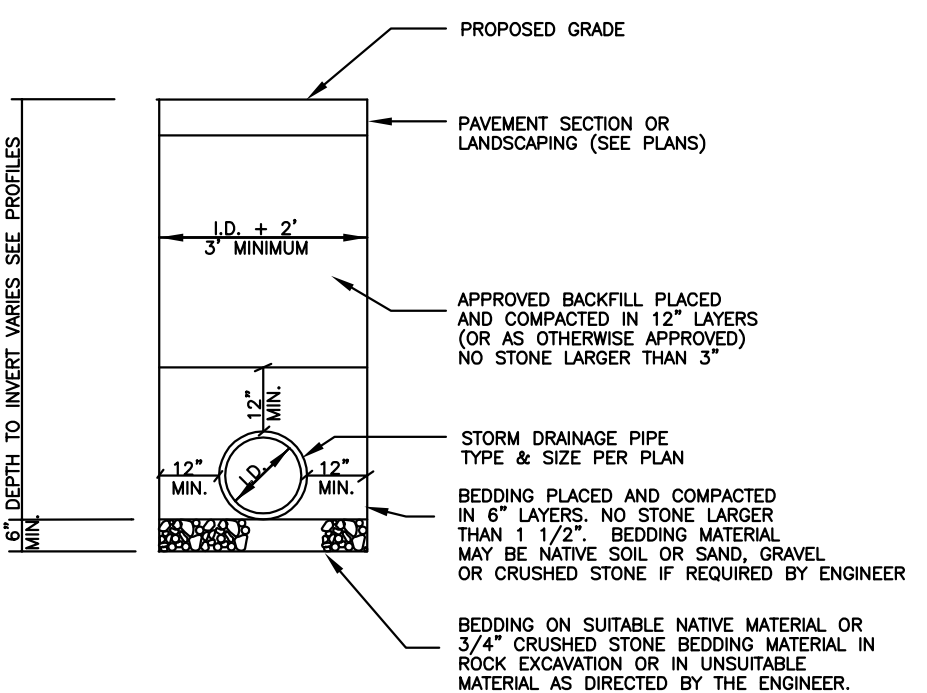


HEAVY DUTY PAVEMENT SECTION



PAVEMENT MARKING NOTES:
1. All work to conform to Form 816, Section 12.09 and the manufacturer's instructions and recommendations for application.
2. Lines shall be four (4) inches wide, except as noted, and 15 mils thick, colored white, except as noted.
3. Point shall be either white or tinted ready-mixed paint conforming to AASHTO M70, Type 1.
4. Epoxy Resins shall conform to Form 816 and project requirements for layout of crosswalks. Install glass beads by free fall method.
5. Prior to painting, sweep pavement with power broom supplemented with hand brooms to eliminate loose material and dust.
6. After applying paint, erect suitable barriers to prevent tracking of paint before drying. Retouch and point all markings which become smeared, discolored, worn, or otherwise marred before final acceptance of the project. Remove any evidence of smearing of paint.

PAINTED PARKING STALL DETAIL



STORM DRAIN TRENCH DETAIL

Maintenance Item	Frequency	Maintenance
Grass Swale	Monthly	• Maintain grass at a height of 4 to 6 inches during the growing season
	Semi-Annually	• Remove debris/sediment in swale
	Semi-Annually	• Check for evidence of water overflowing swale.
Stormwater Basin	Semi-Annually	• Repair eroded areas.
		• Clean/remove sediment and debris.
		• Monitor sediment accumulation and remove when pool volume is reduced significantly.
		• Mow side slopes

The stormwater basin and associated swales allow for the conveyance, treatment and control of the stormwater runoff from the rear of the site. These elements shall be maintained accordingly and used only for their intended purpose. Storage of material, equipment and/or snow is not allowed in these areas to allow them to function as designed.

Maintenance Schedule

LEGEND

SIGN	
UTILITY POLE	
WELL	
STONE WALL	
REMAINS OF STONE WALL	
LIMIT OF WETLANDS	
WETLAND FLAG	
100' UPLAND REVIEW AREA	
PROPOSED SILTFENCE	
OVERHEAD WIRES	
PROPERTY LINE	
EXISTING IRON ROD OR PIN	
WIRE FENCE	
EXISTING SILTFENCE	
LOT LINE TO BE REMOVED	
PROPOSED BOUNDARY LINE	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	
EXISTING GRAVEL	
EDGE SEASONAL WATERCOURSE	
EXISTING LAMP POST	
PROPOSED CONTOUR	
PROPOSED SPOT ELEVATION	
PROPOSED SPLIT RAIL FENCE	
PROPOSED TREE	

SITE PLAN/DETAIL SHEET
PREPARED FOR
A. VETS REAL ESTATE, LLC
965 HARTFORD TURNPIKE
VERNON, CONNECTICUT
GARDNER & PETERSON ASSOCIATES, LLC
178 HARTFORD TURNPIKE
TOLLAND, CONNECTICUT

REVISIONS
07-19-2021 STAFF COMMENTS
07-28-2021 IWC CONDITIONS

BY	SCALE	DATE	SHEET NO.	MAP NO.
M.A.P.	1"= 20'	06-15-2021	3 OF 3	10711S

THE WETLAND SOILS ON THIS PROPERTY WERE IDENTIFIED IN THE FIELD USING THE CRITERIA REQUIRED BY CONNECTICUT P.A. 72-155 AS AMENDED BY P.A. 73-571 AND ARE ACCURATELY REPRESENTED ON THIS PLAN.
RICHARD ZULICK C.S.S.



D-Series Size 0 LED Area Luminaire



Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

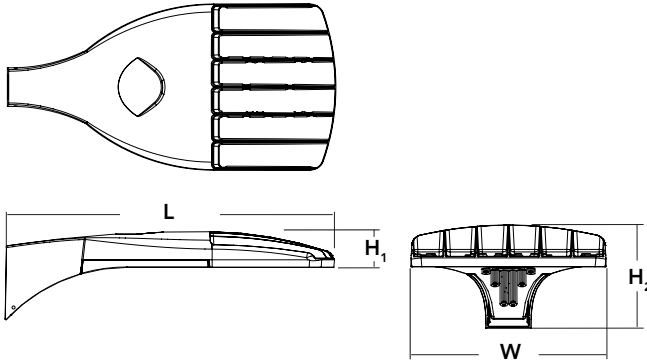
Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

Specifications

EPA:	0.95 ft ² (.09 m ²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height ₁ :	3" (7.62 cm)
Height ₂ :	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED					
Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	Forward optics P1 P5 P2 P6 P3 P7 ¹ P4 ¹ Rotated optics P10 ² P12 ² P11 ² P13 ^{1,2}	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short ³	T5S Type V short ³ T5M Type V medium ³ T5W Type V wide ³ BLC Backlight control ⁴ LCCO Left corner cutoff ⁴ RCCO Right corner cutoff ⁴	Shipped included SPA Square pole mounting RPA Round pole mounting ¹⁰ WBA Wall bracket ³ SPUMBA Square pole universal mounting adaptor ¹¹ RPUMBA Round pole universal mounting adaptor ¹¹ Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ¹²
				MVOLT (120V-277V) ^{5,6} XVOLT (277V-480V) ^{7,8,9} 120 ⁶ 208 ⁶ 240 ⁶ 277 ⁶ 347 ⁶ 480 ⁶	

Control options	Other options	Finish (required)
Shipped installed NLTAIR2 nLight AIR generation 2 enabled ^{13,14} PIRHN Network, high/low motion/ambient sensor ¹⁵ PER NEMA twist-lock receptacle only (control ordered separate) ¹⁶ PER5 Five-pin receptacle only (control ordered separate) ^{16,17} PER7 Seven-pin receptacle only (leads exit fixture) (control ordered separate) ^{16,17} DMG 0-10V dimming extend out back of housing for external control (control ordered separate) ¹⁸	Shipped installed HS House-side shield ²² SF Single fuse (120, 277, 347V) ⁶ DF Double fuse (208, 240, 480V) ⁶ L90 Left rotated optics ² R90 Right rotated optics ² DDL Diffused drop lens ²² HA 50°C ambient operations ¹ BAA Buy America(n) Act Compliant Shipped separately BS Bird spikes ²³ EGS External glare shield	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white
PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ^{19,20} PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ^{19,20} PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{19,20} PIRH1FC3V High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{19,20} FAO Field adjustable output ²¹		



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2011-2021 Acuity Brands Lighting, Inc. All rights reserved.

DSX0-LED
Rev. 07/19/21
Page 1 of 8

Ordering Information

Accessories

Ordered and shipped separately.

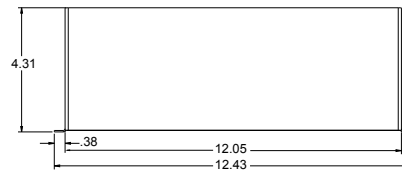
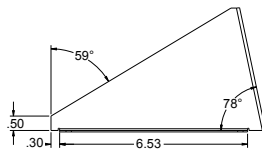
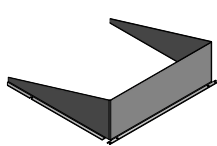
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁴
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁴
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁴
DSHORT SBK U	Shorting cap ²⁴
DSX0HS 20C U	House-side shield for P1,P2,P3 and P4 ²²
DSX0HS 30C U	House-side shield for P10,P11,P12 and P13 ²²
DSX0HS 40C U	House-side shield for P5,P6 and P7 ²²
DSX0DDL U	Diffused drop lens (polycarbonate) ²²
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish) ²⁵
KMA8 DDBXD U	Master arm mounting bracket adaptor (specify finish) ¹²
DSX0EGS (FINISH) U	External glare shield

For more control options, visit [DTL](#) and [ROAM](#) online.
Link to [nLight Air 2](#)

NOTES

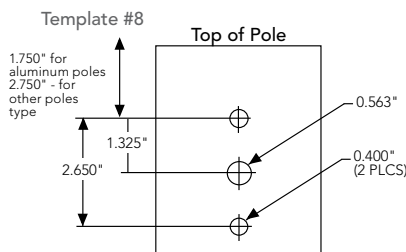
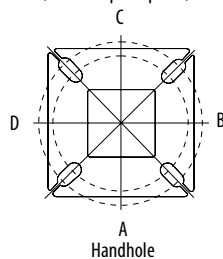
- HA not available with P4, P7, and P13.
- P10, P11, P12 and P13 and rotated options (L90 or R90) only available together.
- Any Type 5 distribution with photocell, is not available with WBA.
- Not available with HS or DDL.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- XVOLT only suitable for use with P4, P7 and P13.
- XVOLT operates with any voltage between 277V and 480V.
- XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
- Suitable for mounting to round poles between 3.5" and 12" diameter.
- Universal mounting brackets intended for retrofit on existing pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- Must be ordered with PIRHN.
- Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
- DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- Reference Controls Options table on page 4.
- Reference Motion Sensor Default Table on page 4 to see functionality.
- Not available with other dimming controls options.
- Not available with BLC, LCCO and RCCO distribution.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8

EGS – External Glare Shield



Drilling

HANDHOLE ORIENTATION (from top of pole)



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
Minimum Acceptable Outside Pole Dimension							
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"		3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"		4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

DSX0 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

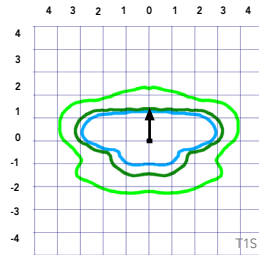
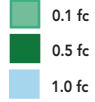
Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX0 LED	0.950	1.900	1.830	2.850	2.850	3.544

Photometric Diagrams

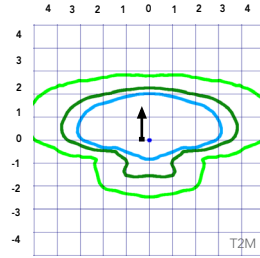
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 0 homepage](#).

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').

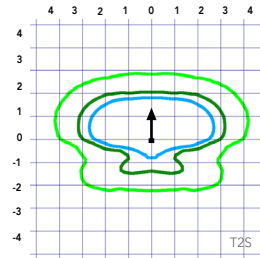
LEGEND



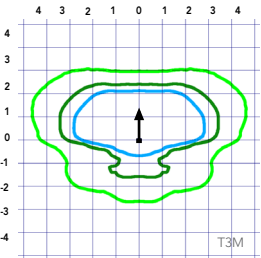
Test No.



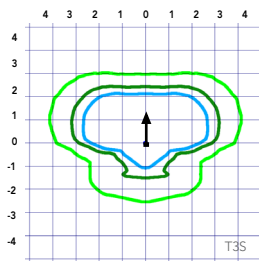
Test No.



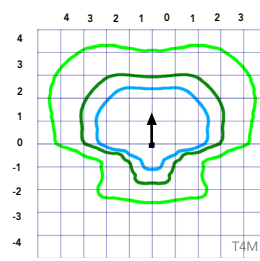
Test No. LTL2345/P25 tested in accordance with IESNA LM-79-08.



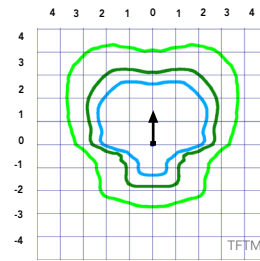
Test No. LTL2345/P25 tested in accordance with IESNA LM-79-08.



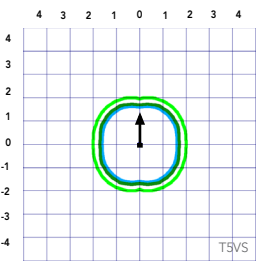
Test No. LTL2345/P25 tested in accordance with IESNA LM-79-08.



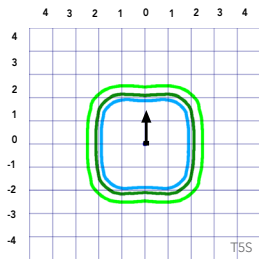
Test No.



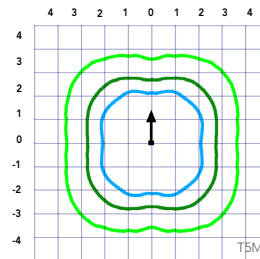
Test No.



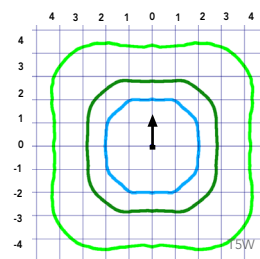
Test No.



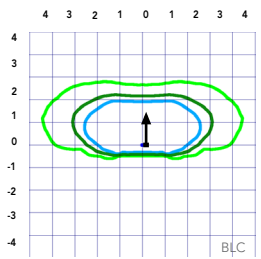
Test No.



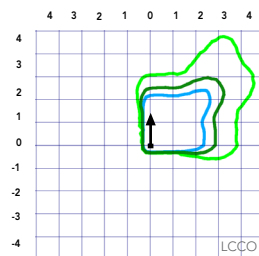
Test No.



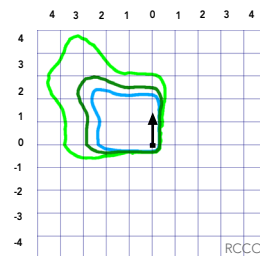
Test No. LTL2345/P25 tested in accordance with IESNA LM-79-08.



Test No.



Test No.



Test No.

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*for use when motion sensor is used as dusk to dawn control.

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	20	530	38	0.32	0.18	0.15	0.15	0.10	0.08
	P2	20	700	49	0.41	0.23	0.20	0.19	0.14	0.11
	P3	20	1050	71	0.60	0.37	0.32	0.27	0.21	0.15
	P4	20	1400	92	0.77	0.45	0.39	0.35	0.28	0.20
	P5	40	700	89	0.74	0.43	0.38	0.34	0.26	0.20
	P6	40	1050	134	1.13	0.65	0.55	0.48	0.39	0.29
	P7	40	1300	166	1.38	0.80	0.69	0.60	0.50	0.37
Rotated Optics (Requires L90 or R90)	P10	30	530	53	0.45	0.26	0.23	0.21	0.16	0.12
	P11	30	700	72	0.60	0.35	0.30	0.27	0.20	0.16
	P12	30	1050	104	0.88	0.50	0.44	0.39	0.31	0.23
	P13	30	1300	128	1.08	0.62	0.54	0.48	0.37	0.27

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	20	530	38W	T1S	4,369	1	0	1	115	4,706	1	0	1	124	4,766	1	0	1	125
				T2S	4,364	1	0	1	115	4,701	1	0	1	124	4,761	1	0	1	125
				T2M	4,387	1	0	1	115	4,726	1	0	1	124	4,785	1	0	1	126
				T3S	4,248	1	0	1	112	4,577	1	0	1	120	4,634	1	0	1	122
				T3M	4,376	1	0	1	115	4,714	1	0	1	124	4,774	1	0	1	126
				T4M	4,281	1	0	1	113	4,612	1	0	2	121	4,670	1	0	2	123
				TFTM	4,373	1	0	1	115	4,711	1	0	2	124	4,771	1	0	2	126
				TSVS	4,548	2	0	0	120	4,900	2	0	0	129	4,962	2	0	0	131
				TSS	4,552	2	0	0	120	4,904	2	0	0	129	4,966	2	0	0	131
				TSM	4,541	3	0	1	120	4,891	3	0	1	129	4,953	3	0	1	130
				TSW	4,576	3	0	2	120	4,929	3	0	2	130	4,992	3	0	2	131
				BLC	3,586	1	0	1	94	3,863	1	0	1	102	3,912	1	0	1	103
				LCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
				RCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
P2	20	700	49W	T1S	5,570	1	0	1	114	6,001	1	0	1	122	6,077	2	0	2	124
				T2S	5,564	1	0	2	114	5,994	1	0	2	122	6,070	2	0	2	124
				T2M	5,593	1	0	1	114	6,025	1	0	1	123	6,102	1	0	1	125
				T3S	5,417	1	0	2	111	5,835	1	0	2	119	5,909	2	0	2	121
				T3M	5,580	1	0	2	114	6,011	1	0	2	123	6,087	1	0	2	124
				T4M	5,458	1	0	2	111	5,880	1	0	2	120	5,955	1	0	2	122
				TFTM	5,576	1	0	2	114	6,007	1	0	2	123	6,083	1	0	2	124
				TSVS	5,799	2	0	0	118	6,247	2	0	0	127	6,327	2	0	0	129
				TSS	5,804	2	0	0	118	6,252	2	0	0	128	6,332	2	0	1	129
				TSM	5,789	3	0	1	118	6,237	3	0	1	127	6,316	3	0	1	129
				TSW	5,834	3	0	2	119	6,285	3	0	2	128	6,364	3	0	2	130
				BLC	4,572	1	0	1	93	4,925	1	0	1	101	4,987	1	0	1	102
				LCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76
				RCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76
P3	20	1050	71W	T1S	7,833	2	0	2	110	8,438	2	0	2	119	8,545	2	0	2	120
				T2S	7,825	2	0	2	110	8,429	2	0	2	119	8,536	2	0	2	120
				T2M	7,865	2	0	2	111	8,473	2	0	2	119	8,580	2	0	2	121
				T3S	7,617	2	0	2	107	8,205	2	0	2	116	8,309	2	0	2	117
				T3M	7,846	2	0	2	111	8,452	2	0	2	119	8,559	2	0	2	121
				T4M	7,675	2	0	2	108	8,269	2	0	2	116	8,373	2	0	2	118
				TFTM	7,841	2	0	2	110	8,447	2	0	2	119	8,554	2	0	2	120
				TSVS	8,155	3	0	0	115	8,785	3	0	0	124	8,896	3	0	0	125
				TSS	8,162	3	0	1	115	8,792	3	0	1	124	8,904	3	0	1	125
				TSM	8,141	3	0	2	115	8,770	3	0	2	124	8,881	3	0	2	125
				TSW	8,204	3	0	2	116	8,838	4	0	2	124	8,950	4	0	2	126
				BLC	6,429	1	0	2	91	6,926	1	0	2	98	7,013	1	0	2	99
				LCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73
				RCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73
P4	20	1400	92W	T1S	9,791	2	0	2	106	10,547	2	0	2	115	10,681	2	0	2	116
				T2S	9,780	2	0	2	106	10,536	2	0	2	115	10,669	2	0	2	116
				T2M	9,831	2	0	2	107	10,590	2	0	2	115	10,724	2	0	2	117
				T3S	9,521	2	0	2	103	10,256	2	0	2	111	10,386	2	0	2	113
				T3M	9,807	2	0	2	107	10,565	2	0	2	115	10,698	2	0	2	116
				T4M	9,594	2	0	2	104	10,335	2	0	3	112	10,466	2	0	3	114
				TFTM	9,801	2	0	2	107	10,558	2	0	2	115	10,692	2	0	2	116
				TSVS	10,193	3	0	1	111	10,981	3	0	1	119	11,120	3	0	1	121
				TSS	10,201	3	0	1	111	10,990	3	0	1	119	11,129	3	0	1	121
				TSM	10,176	4	0	2	111	10,962	4	0	2	119	11,101	4	0	2	121
				TSW	10,254	4	0	3	111	11,047	4	0	3	120	11,186	4	0	3	122
				BLC	8,036	1	0	2	87	8,656	1	0	2	94	8,766	1	0	2	95
				LCCO	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71
				RCCO	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	40	700	89W	T1S	10,831	2	0	2	122	11,668	2	0	2	131	11,816	2	0	2	133
				T2S	10,820	2	0	2	122	11,656	2	0	2	131	11,803	2	0	2	133
				T2M	10,876	2	0	2	122	11,716	2	0	2	132	11,864	2	0	2	133
				T3S	10,532	2	0	2	118	11,346	2	0	2	127	11,490	2	0	2	129
				T3M	10,849	2	0	2	122	11,687	2	0	2	131	11,835	2	0	2	133
				T4M	10,613	2	0	3	119	11,434	2	0	3	128	11,578	2	0	3	130
				TFTM	10,842	2	0	2	122	11,680	2	0	2	131	11,828	2	0	2	133
				TSVS	11,276	3	0	1	127	12,148	3	0	1	136	12,302	3	0	1	138
				TSS	11,286	3	0	1	127	12,158	3	0	1	137	12,312	3	0	1	138
				TSM	11,257	4	0	2	126	12,127	4	0	2	136	12,280	4	0	2	138
				TSW	11,344	4	0	3	127	12,221	4	0	3	137	12,375	4	0	3	139
				BLC	8,890	1	0	2	100	9,576	1	0	2	108	9,698	1	0	2	109
				LCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81
				RCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81
P6	40	1050	134W	T1S	14,805	3	0	3	110	15,949	3	0	3	119	16,151	3	0	3	121
				T2S	14,789	3	0	3	110	15,932	3	0	3	119	16,134	3	0	3	120
				T2M	14,865	3	0	3	111	16,014	3	0	3	120	16,217	3	0	3	121
				T3S	14,396	3	0	3	107	15,509	3	0	3	116	15,705	3	0	3	117
				T3M	14,829	2	0	3	111	15,975	3	0	3	119	16,177	3	0	3	121
				T4M	14,507	2	0	3	108	15,628	3	0	3	117	15,826	3	0	3	118
				TFTM	14,820	2	0	3	111	15,965	3	0	3	119	16,167	3	0	3	121
				TSVS	15,413	4	0	1	115	16,604	4	0	1	124	16,815	4	0	1	125
				TSS	15,426	3	0	1	115	16,618	4	0	1	124	16,828	4	0	1	126
				TSM	15,387	4	0	2	115	16,576	4	0	2	124	16,786	4	0	2	125
				TSW	15,506	4	0	3	116	16,704	4	0	3	125	16,915	4	0	3	126
				BLC	12,151	1	0	2	91	13,090	1	0	2	98	13,255	1	0	2	99
				LCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74
				RCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74
P7	40	1300	166W	T1S	17,023	3	0	3	103	18,338	3	0	3	110	18,570	3	0	3	112
				T2S	17,005	3	0	3	102	18,319	3	0	3	110	18,551	3	0	3	112
				T2M	17,092	3	0	3	103	18,413	3	0	3	111	18,646	3	0	3	112
				T3S	16,553	3	0	3	100	17,832	3	0	3	107	18,058	3	0	3	109
				T3M	17,051	3	0	3	103	18,369	3	0	3	111	18,601	3	0	3	112
				T4M	16,681	3	0	3	100	17,969	3	0	3	108	18,197	3	0	3	110
				TFTM	17,040	3	0	3	103	18,357	3	0	4	111	18,590	3	0	4	112
				TSVS	17,723	4	0	1	107	19,092	4	0	1	115	19,334	4	0	1	116
				TSS	17,737	4	0	2	107	19,108	4	0	2	115	19,349	4	0	2	117
				TSM	17,692	4	0	2	107	19,059	4	0	2	115	19,301	4	0	2	116
				TSW	17,829	5	0	3	107	19,207	5	0	3	116	19,450	5	0	3	117
				BLC	13,971	2	0	2	84	15,051	2	0	2	91	15,241	2	0	2	92
				LCCO	10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68
				RCCO	10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics																			
Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	30	530	53W	T1S	6,727	2	0	2	127	7,247	3	0	3	137	7,339	3	0	3	138
				T2S	6,689	3	0	3	126	7,205	3	0	3	136	7,297	3	0	3	138
				T2M	6,809	3	0	3	128	7,336	3	0	3	138	7,428	3	0	3	140
				T3S	6,585	3	0	3	124	7,094	3	0	3	134	7,183	3	0	3	136
				T3M	6,805	3	0	3	128	7,331	3	0	3	138	7,424	3	0	3	140
				T4M	6,677	3	0	3	126	7,193	3	0	3	136	7,284	3	0	3	137
				TFTM	6,850	3	0	3	129	7,379	3	0	3	139	7,472	3	0	3	141
				TSVS	6,898	3	0	0	130	7,431	3	0	0	140	7,525	3	0	0	142
				TSS	6,840	2	0	1	129	7,368	2	0	1	139	7,461	2	0	1	141
				TSM	6,838	3	0	1	129	7,366	3	0	2	139	7,460	3	0	2	141
				TSW	6,777	3	0	2	128	7,300	3	0	2	138	7,393	3	0	2	139
				BLC	5,626	2	0	2	106	6,060	2	0	2	114	6,137	2	0	2	116
				LCCO	4,018	1	0	2	76	4,328	1	0	2	82	4,383	1	0	2	83
				RCCO	4,013	3	0	3	76	4,323	3	0	3	82	4,377	3	0	3	83
P11	30	700	72W	T1S	8,594	3	0	3	119	9,258	3	0	3	129	9,376	3	0	3	130
				T2S	8,545	3	0	3	119	9,205	3	0	3	128	9,322	3	0	3	129
				T2M	8,699	3	0	3	121	9,371	3	0	3	130	9,490	3	0	3	132
				T3S	8,412	3	0	3	117	9,062	3	0	3	126	9,177	3	0	3	127
				T3M	8,694	3	0	3	121	9,366	3	0	3	130	9,484	3	0	3	132
				T4M	8,530	3	0	3	118	9,189	3	0	3	128	9,305	3	0	3	129
				TFTM	8,750	3	0	3	122	9,427	3	0	3	131	9,546	3	0	3	133
				TSVS	8,812	3	0	0	122	9,493	3	0	0	132	9,613	3	0	0	134
				TSS	8,738	3	0	1	121	9,413	3	0	1	131	9,532	3	0	1	132
				TSM	8,736	3	0	2	121	9,411	3	0	2	131	9,530	3	0	2	132
				TSW	8,657	4	0	2	120	9,326	4	0	2	130	9,444	4	0	2	131
				BLC	7,187	3	0	3	100	7,742	3	0	3	108	7,840	3	0	3	109
				LCCO	5,133	1	0	2	71	5,529	1	0	2	77	5,599	1	0	2	78
				RCCO	5,126	3	0	3	71	5,522	3	0	3	77	5,592	3	0	3	78
P12	30	1050	104W	T1S	12,149	3	0	3	117	13,088	3	0	3	126	13,253	3	0	3	127
				T2S	12,079	4	0	4	116	13,012	4	0	4	125	13,177	4	0	4	127
				T2M	12,297	3	0	3	118	13,247	3	0	3	127	13,415	3	0	3	129
				T3S	11,891	4	0	4	114	12,810	4	0	4	123	12,972	4	0	4	125
				T3M	12,290	3	0	3	118	13,239	4	0	4	127	13,407	4	0	4	129
				T4M	12,058	4	0	4	116	12,990	4	0	4	125	13,154	4	0	4	126
				TFTM	12,369	4	0	4	119	13,325	4	0	4	128	13,494	4	0	4	130
				TSVS	12,456	3	0	1	120	13,419	3	0	1	129	13,589	4	0	1	131
				TSS	12,351	3	0	1	119	13,306	3	0	1	128	13,474	3	0	1	130
				TSM	12,349	4	0	2	119	13,303	4	0	2	128	13,471	4	0	2	130
				TSW	12,238	4	0	3	118	13,183	4	0	3	127	13,350	4	0	3	128
				BLC	10,159	3	0	3	98	10,944	3	0	3	105	11,083	3	0	3	107
				LCCO	7,256	1	0	3	70	7,816	1	0	3	75	7,915	1	0	3	76
				RCCO	7,246	3	0	3	70	7,806	4	0	4	75	7,905	4	0	4	76
P13	30	1300	128W	T1S	14,438	3	0	3	113	15,554	3	0	3	122	15,751	3	0	3	123
				T2S	14,355	4	0	4	112	15,465	4	0	4	121	15,660	4	0	4	122
				T2M	14,614	3	0	3	114	15,744	4	0	4	123	15,943	4	0	4	125
				T3S	14,132	4	0	4	110	15,224	4	0	4	119	15,417	4	0	4	120
				T3M	14,606	4	0	4	114	15,735	4	0	4	123	15,934	4	0	4	124
				T4M	14,330	4	0	4	112	15,438	4	0	4	121	15,633	4	0	4	122
				TFTM	14,701	4	0	4	115	15,836	4	0	4	124	16,037	4	0	4	125
				TSVS	14,804	4	0	1	116	15,948	4	0	1	125	16,150	4	0	1	126
				TSS	14,679	3	0	1	115	15,814	3	0	1	124	16,014	3	0	1	125
				TSM	14,676	4	0	2	115	15,810	4	0	2	124	16,010	4	0	2	125
				TSW	14,544	4	0	3	114	15,668	4	0	3	122	15,866	4	0	3	124
				BLC	7,919	3	0	3	62	8,531	3	0	3	67	8,639	3	0	3	67
				LCCO	5,145	1	0	2	40	5,543	1	0	2	43	5,613	1	0	2	44
				RCCO	5,139	3	0	3	40	5,536	3	0	3	43	5,606	3	0	3	44

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.95 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. DSX Size 0, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also available.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C to 50°C ambient with HA option. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

BUY AMERICAN

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.





CENTRAL CONSERVATION DISTRICT, INC.

AVON • BLOOMFIELD • BOLTON • BRISTOL • BURLINGTON • CANTON • COVENTRY • EAST GRANBY • EAST WINDSOR • EAST HARTFORD • ELLINGTON
ENFIELD • FARMINGTON • GLASTONBURY • GRANBY • HARTFORD • MANCHESTER • PLAINVILLE • SIMSBURY • SOMERS • SOUTH WINDSOR
STAFFORD • SUFFIELD • WEST HARTFORD • WETHERSFIELD • TOLLAND • VERNON • WILLINGTON • WINDSOR • WINDSOR LOCKS

Date: August 16, 2021

To: George K. McGregor, AICP, Town Planner
Town of Vernon Planning & Zoning Commission

From: Barbara Kelly, Program Coordinator, Registered Soil Scientist, SSSSNE
Certified Erosion Control Professional CPESC #2180

Re: Site Plan of Development, A. Vets Real Estate, 965 Hartford Turnpike, Vernon, Connecticut –
PZ-2021-08

This review is conducted pursuant to Section 18 of the Town of Vernon Zoning Regulations. The review is limited to certification of the erosion control plan, based on compliance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control (Guidelines).

District staff inspected the site on July 2, 2021. Staff reviewed a 3-sheet plan titled "Site Plan Prepared for A. Vets Real Estate, LLC, 965 Hartford Turnpike, Vernon, Connecticut" (Plan) prepared by Gardner & Peterson Associates, LLC, and updated July 28, 2021. Observations and the Plan were discussed with the Project Engineer on July 21, 2021.

The Plan shows removal of an existing garage and proposes the construction of a larger 70' by 60' garage with associated improvements to parking and stormwater treatment. Most of the proposed improvements to parking and stormwater treatment will be built on 0.43 acres of 933 Hartford Turnpike abutting the rear of the 965 Tolland Turnpike parcel. To the north and west, a watercourse with associated wetlands borders the proposed stormwater management area. Proposed soil erosion and sediment control (E&S) measures include an anti-tracking pad and show both existing and proposed silt fence and hay bales.

Background

Based on the Natural Resources Conservation Service Web Soil Survey, soils throughout the majority of the proposed construction area are mapped as well-drained, very rocky Charlton-Chatfield complex on 0 to 15 percent slopes. The erosion hazard ranges from moderate to severe. The adjacent poorly drained wetland soils are mapped as extremely stony Ridgebury, Leicester, and Whitman soils on 0 to 8 percent slopes. The erosion hazard for these soils is slight.

Observations & Recommendations

The use of silt fence and hay bales as perimeter control measures is adequate and appropriate for this site. However, the "existing silt fence and hay bales" shown on the plan have not been maintained. Hay bales have deteriorated and fencing has fallen resulting in gaps.

- Repair &/or replace the existing silt fence and hay bales.

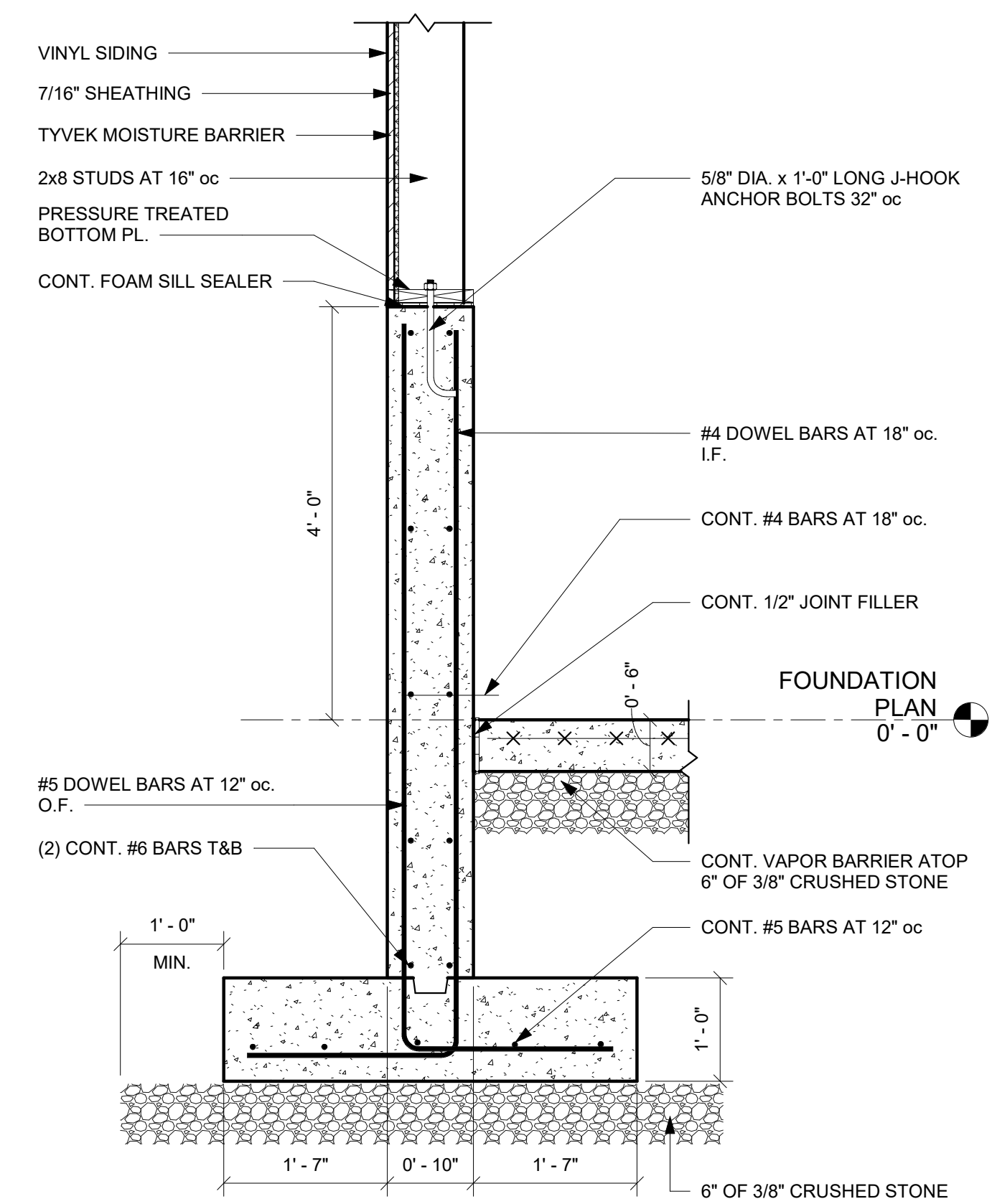
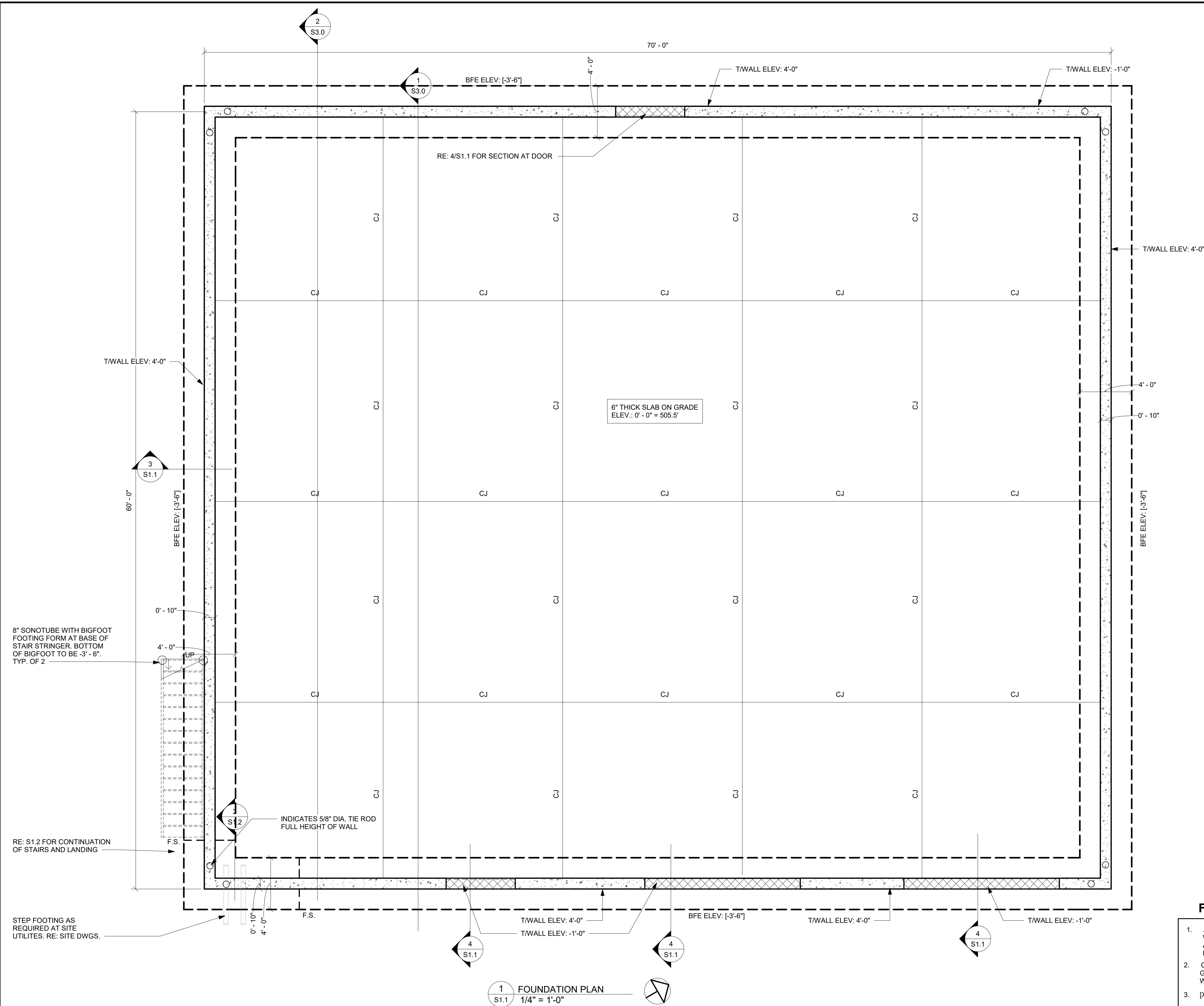
Observations & Recommendations (cont'd)

No E&S measures were in place around a soil stockpile located near the northwest corner of 965 Tolland Turnpike. Wood chips had been deposited northwest of the stockpile and at the edge of the wetland.

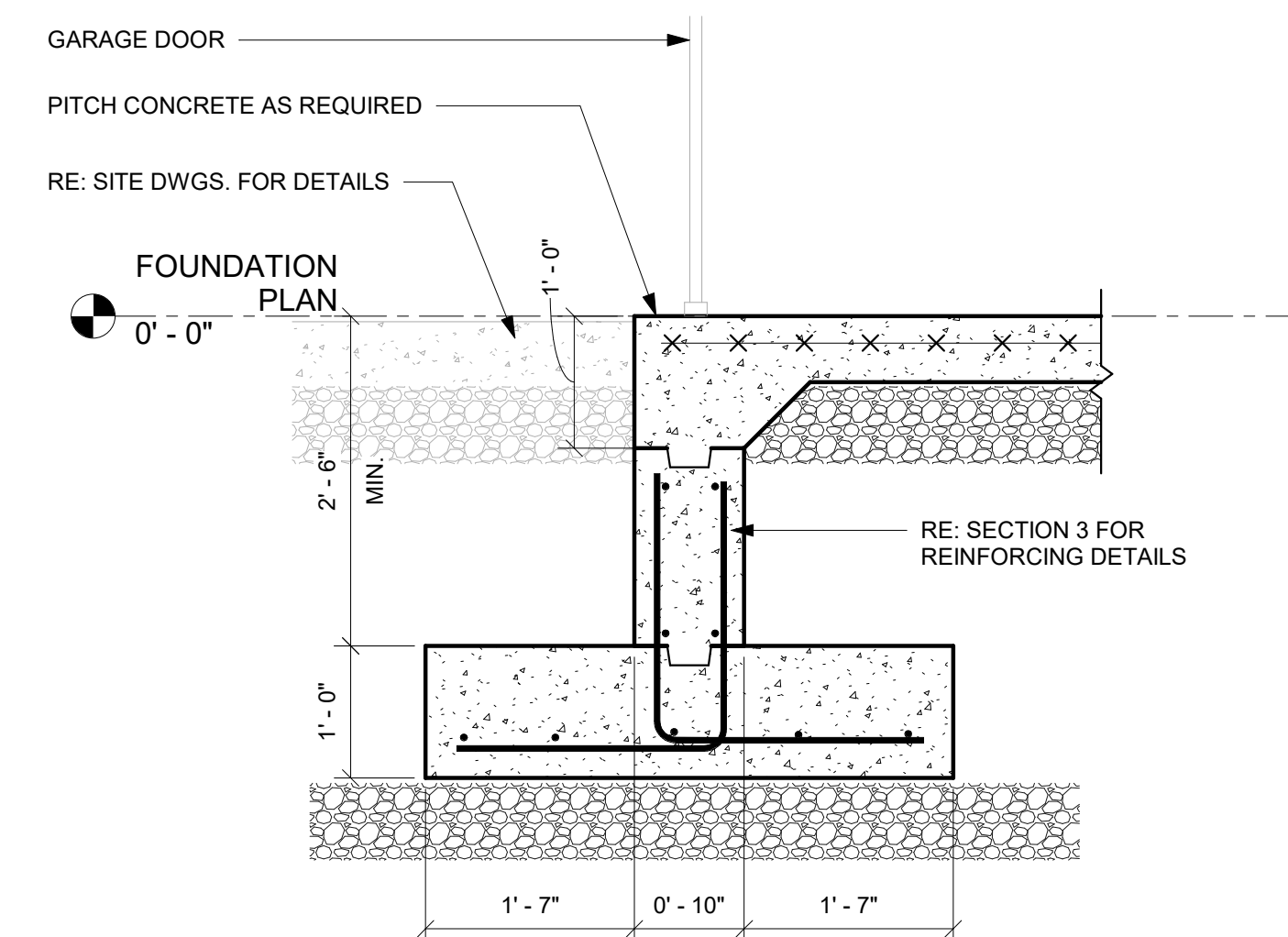
- Install hay bales or silt fence downslope of any stockpiles.
- Ensure that wood chips and stockpiles are placed within the proposed hay bale/silt fence barrier to avoid encroachment into wetlands or onto neighboring parcels.

Based on the observed site conditions, the soil erosion and sediment control measures incorporated in the Plan are adequate and appropriate. With consideration of the recommendations noted above, the District certifies that the plan complies with the **2002 Connecticut Guidelines for Soil Erosion and Sediment Control**.

Thank you for the opportunity to comment.



3 TYPICAL WALL REINFORCING
S1.1 3/4" = 1'-0"



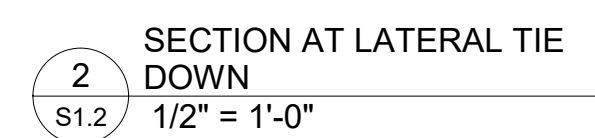
4 SECTION AT DOOR
S1.1 $\frac{3}{4}" = 1'-0"$

FOUNDATION NOTES:

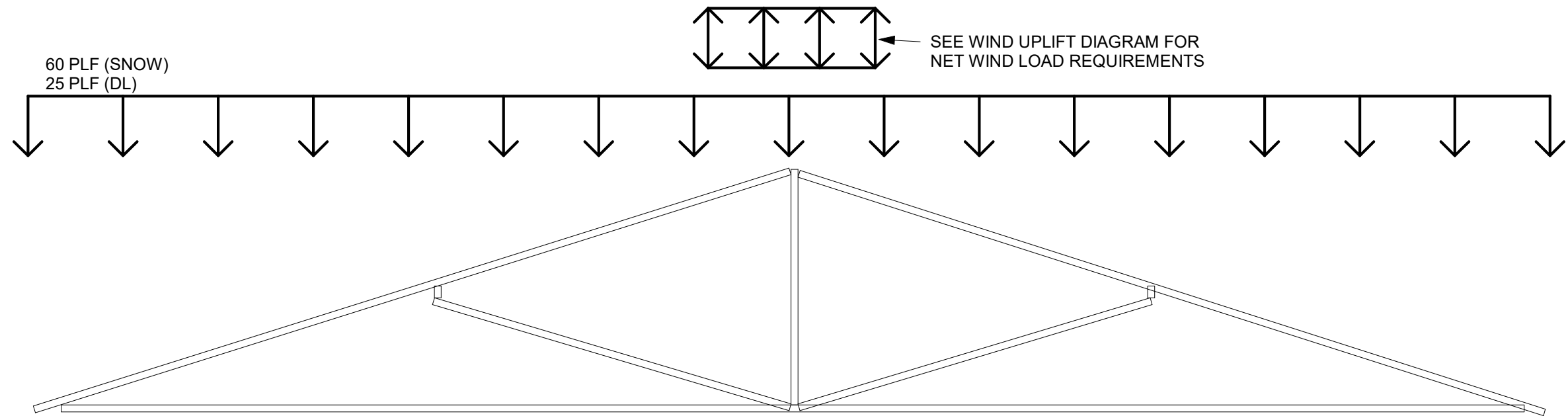
- | | | | |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | ALL SLABS ON GRADE ARE 6" THICK UNO. REINFORCE ALL SLABS WITH 6 X 6 X-W1.4xw1.4 WWF. SEE PLANS FOR LOCATIONS AND GENERAL NOTES DRAWING FOR ADDITIONAL REINFORCING REQUIREMENTS. | 6. | PROVIDE SLEEVES AT ALL WALL PENETRATIONS. SEE GENERAL NOTES FOR REINFORCING REQUIREMENTS. |
| 2. | C-J - INDICATES CONTROL JOINT. SEE PLAN FOR LOCATION AND GENERAL NOTE DRAWING FOR DETAILS. COORDINATE LOCATIONS WITH ARCH DRAWINGS. | 7. | NO ON-SITE MATERIAL MAY BE USED AS CONTROLLED FILL BENEATH THE BUILDINGS OR BACKFILL FOR WALLS. |
| 3. | [X-X] - INDICATES BOTTOM OF FOOTING ELEVATION. | 8. | COORDINATE THE LOCATION AND ELEVATION OF ALL UTILITIES ENTERING THE BUILDING WITH SITE AND MEP DRAWINGS. UTILITIES SHALL NOT BE PLACED BELOW FOOTINGS WITHOUT APPROVAL OF THE ENGINEER. STEP FOOTINGS AS REQUIRED. |
| 4. | TYPICAL SLABS ON GRADE SHALL BE PLACED OVER A 6 MIL. VAPOR BARRIER. | 9. | EXISTING SUBGRADES SHALL BE COMPACTED 95% OF THE MODIFIED PROCTOR DENSITY PRIOR TO PLACING SLAB OR FOUNDATIONS. |
| 5. | ALL FOUNDATIONS AROUND BUILDING PERIMETER SHALL BE A MINIMUM OF 3'-6" BELOW GRADE. | | |

drawing title FOUNDATION PLAN			drawing prepared by MACCHI ENGINEERS, LLC 14 Gillet Street Hartford, CT. 06105		date 10/9/2020
REVISIONS					scale As indicated
mark	date	description	project		drawn by JAH
			NEW GARAGE BUILDING AMERICAN VETS ABATEMENT EXPERTS 965 Hartford Turnpike Vernon, CT 06066		approved by MRP
			CAD no.	project no.	drawing no. \$1.1

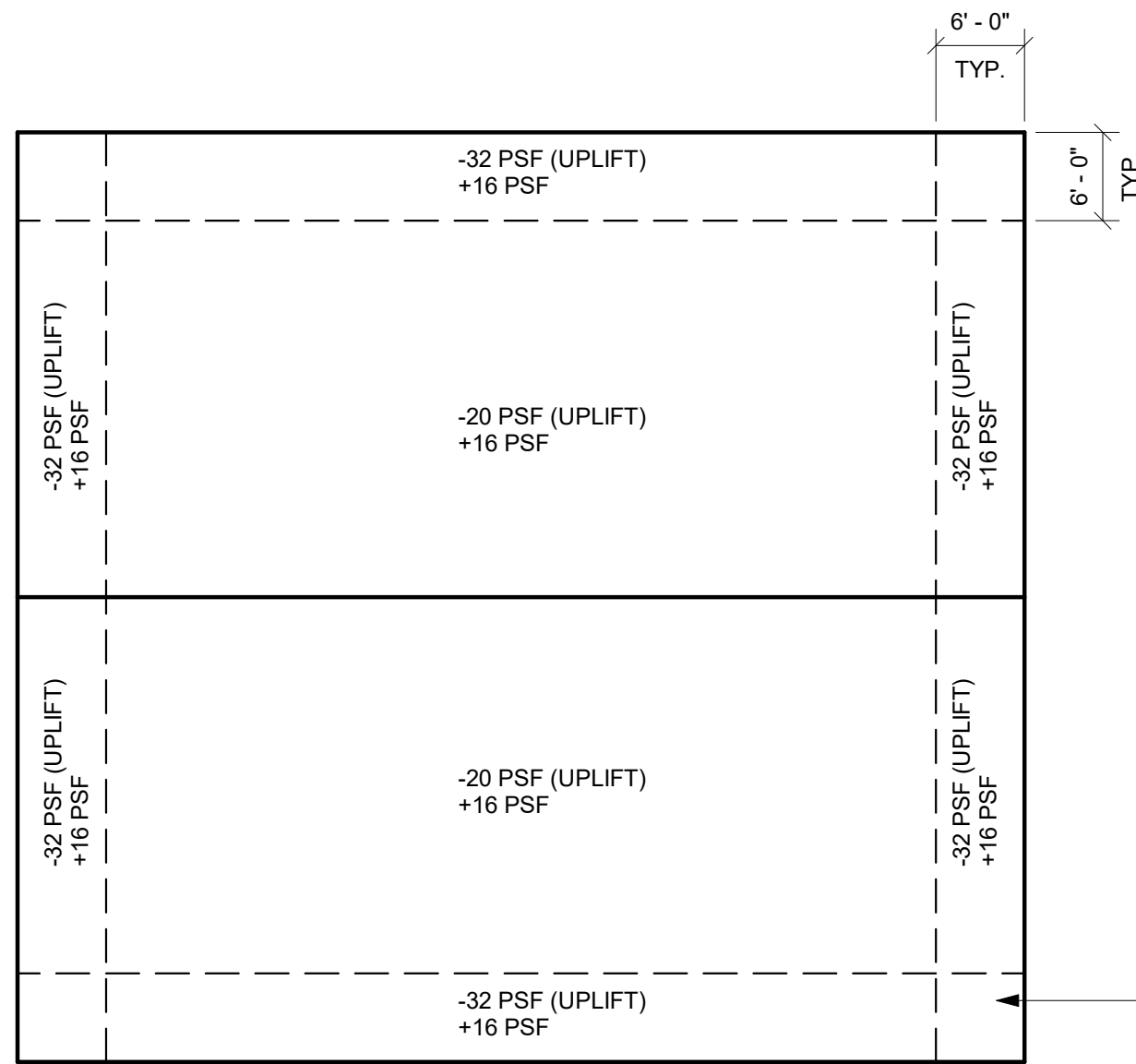
RE: OFFICE FLOOR FRAMING PLAN FOR SHEAR WALL LOCATIONS



drawing title OFFICE FLOOR FRAMING			drawing prepared by MACCHI ENGINEERS, LLC		date 10/9/2020	
PLAN REVISONS			44 Gillett Street Hartford, CT. 06105		scale As indicated	
mark	date	description	project		Author drawn by approved by Approver drawing no.	
			NEW GARAGE BUILDING AMERICAN VETS ABATEMENT EXPERTS 965 Hartford Turnpike Vernon, CT 06066		\$1.2	
			CAD no.	project no.		



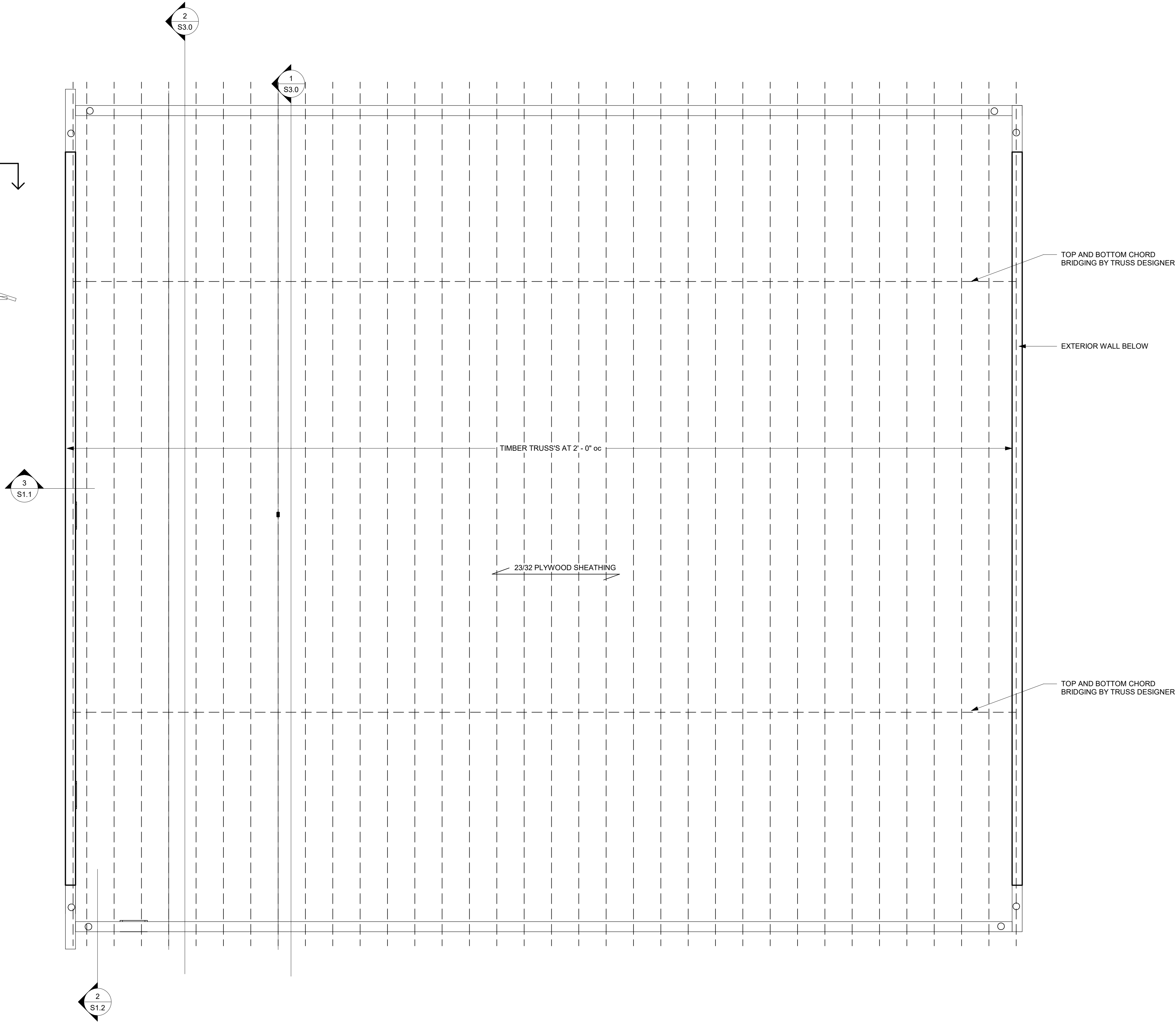
2 TRUSS LOADING DIAGRAM
S1.3 3/16" = 1'-0"



3 NET WIND UPLIFT DIAGRAM
S1.3 3/4" = 1'-0"

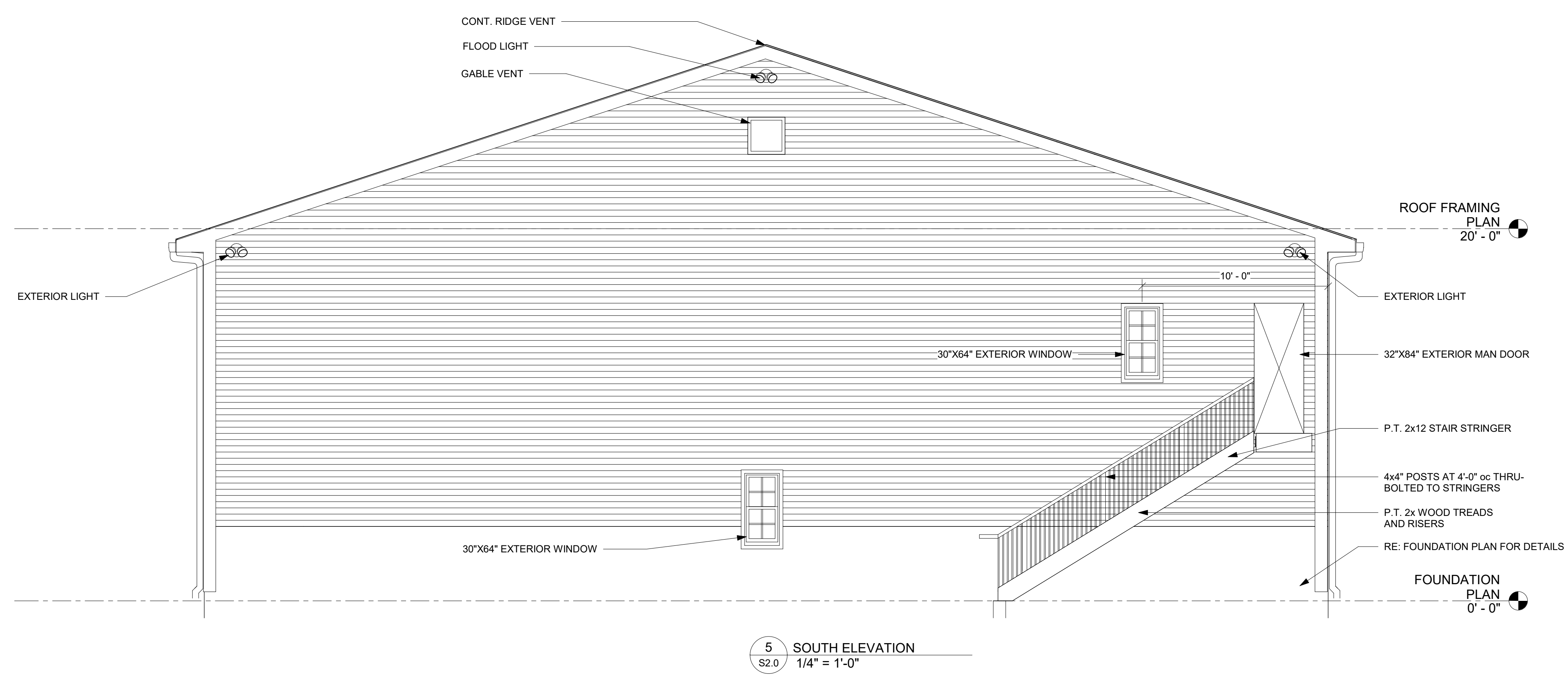
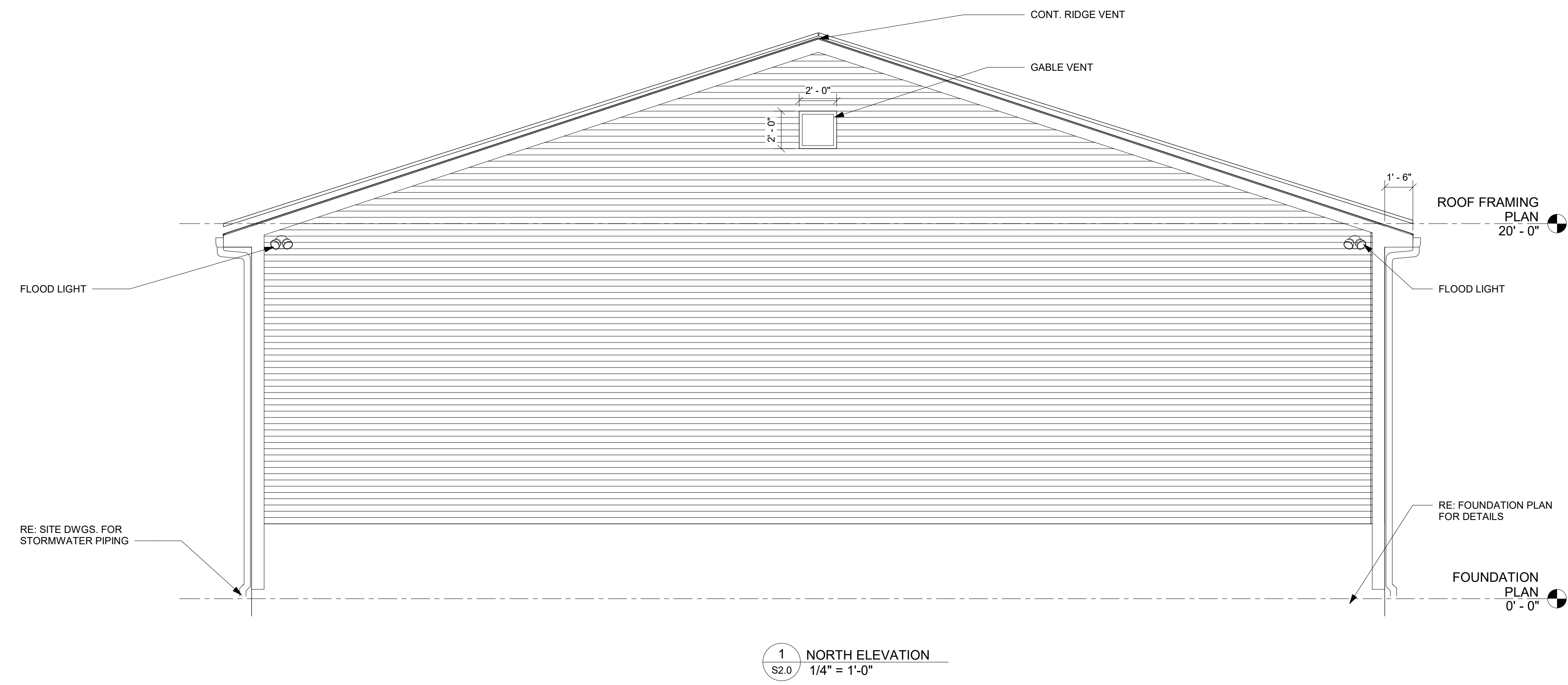
TYPICAL JOIST DESIGN NOTES:

1. VALUES ARE NET ULTIMATE WIND PRESSURES
2. JOIST DESIGNER SHALL USE LOADS INDICATED IN NET WIND UPLIFT DIAGRAM ABOVE IN COMBINATION WITH JOIST LOAD DIAGRAM TO FIND LOADING PER LINEAR FOOT APPLIED TO JOISTS.
3. JOIST DESIGNER SHALL INDICATE BRIDGING/BRACING AS REQUIRED. IF ANY BRIDGING/BRACING IS TO BE INTERRUPTED BY MEP EQUIPMENT, THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD PRIOR TO MAKING ANY MODIFICATIONS TO THE JOIST COMPONENTS.
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

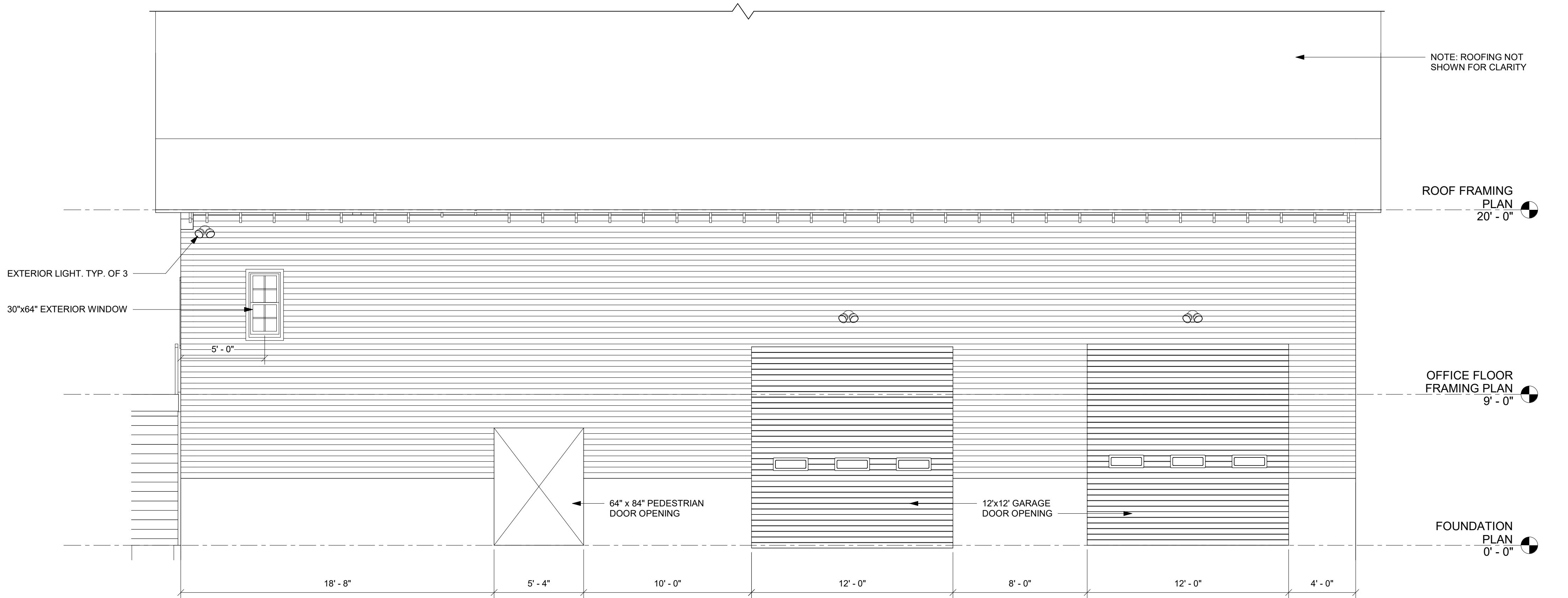


1 ROOF FRAMING PLAN
S1.3 1/4" = 1'-0"

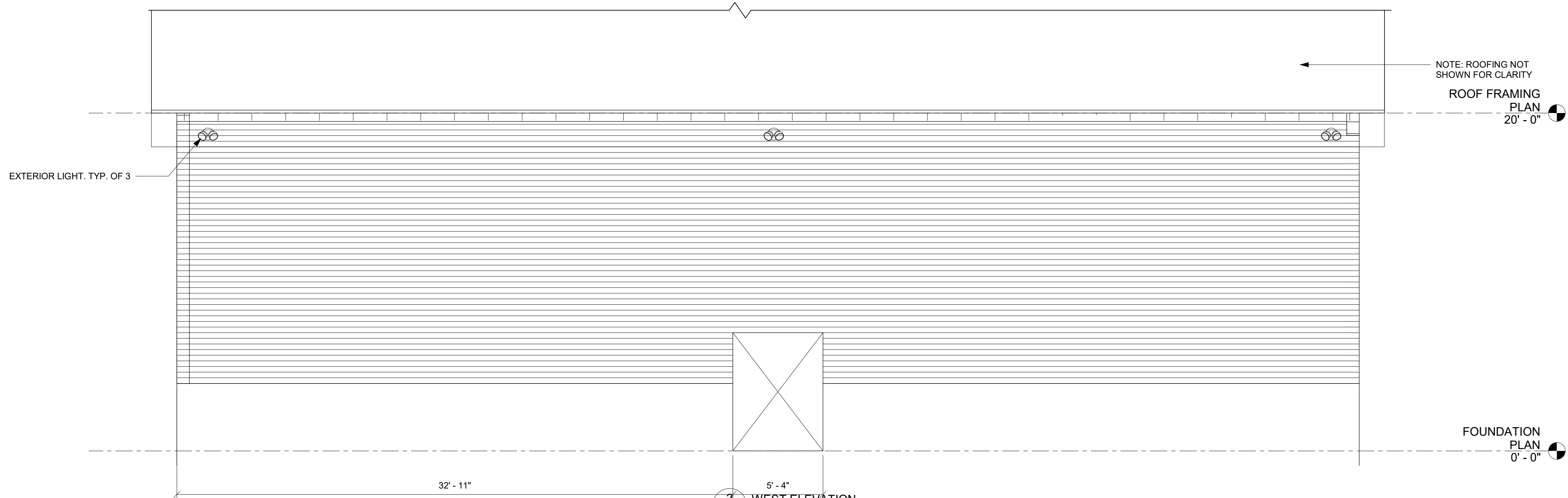
drawing title ROOF FRAMING PLAN			drawing prepared by MACCHI ENGINEERS, LLC 44 Gillett Street Hartford, CT. 06105		date 10/9/2020
REVISIONS			project NEW GARAGE BUILDING AMERICAN VETS ABATEMENT EXPERTS 965 Hartford Turnpike Vernon, CT 06066		scale As Indicated
mark	date	description		drawn by Author	approved by Approver
				CAD no.	drawing no. S1.3
			project no.		



drawing title			drawing prepared by		date
EXTERIOR ELEVATIONS			MACCHI ENGINEERS, LLC		10/9/2020
REVISIONS			44 Gillett Street Hartford, CT. 06105		scale 1/4" = 1'-0"
mark	date	description		project	drawn by
				NEW GARAGE BUILDING	Author
				AMERICAN VETS ABATEMENT EXPERTS	approved by
				965 Hartford Turnpike	Approver
				Vernon, CT 06066	drawing no.
				CAD no.	project no.
					S2.0

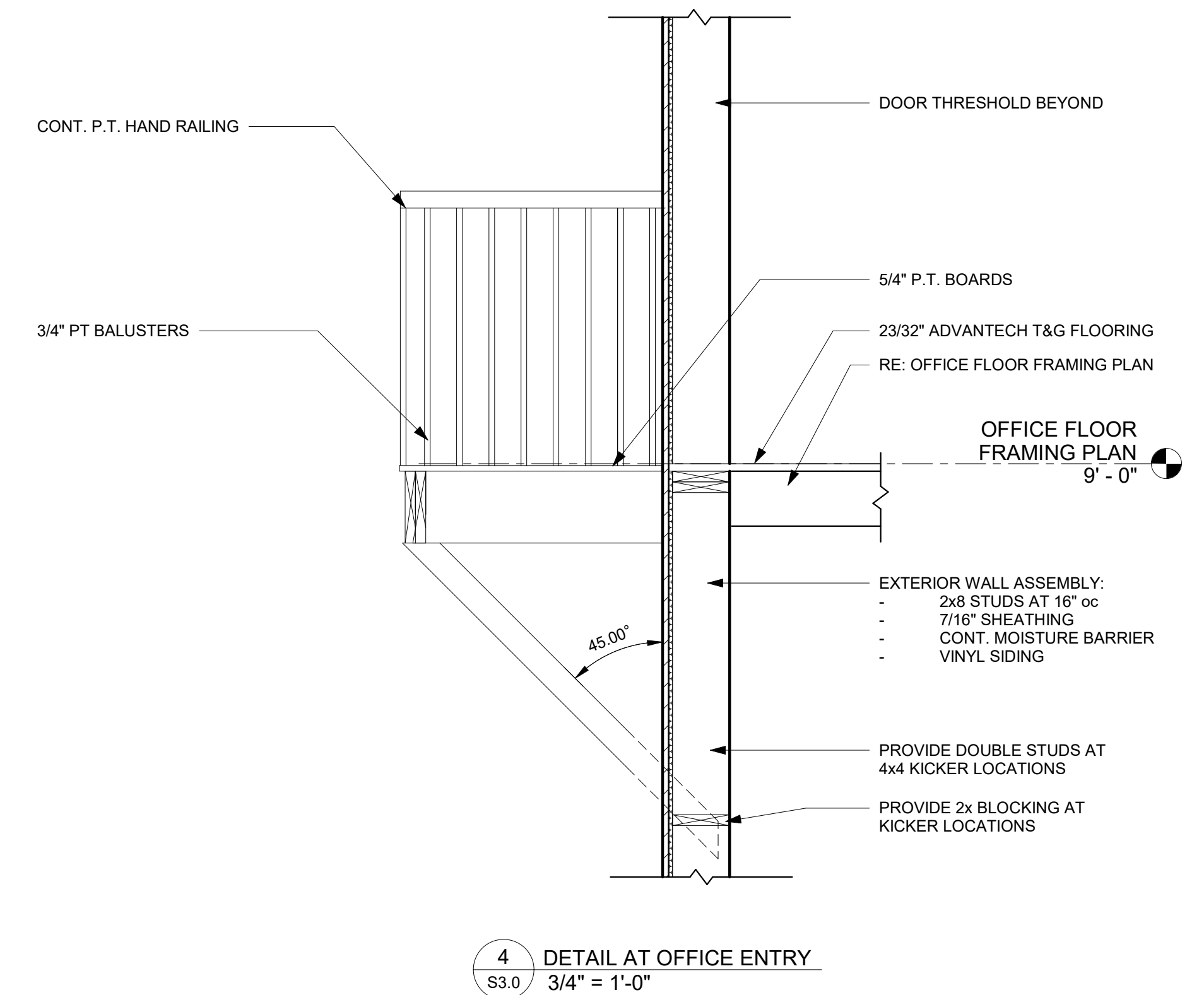
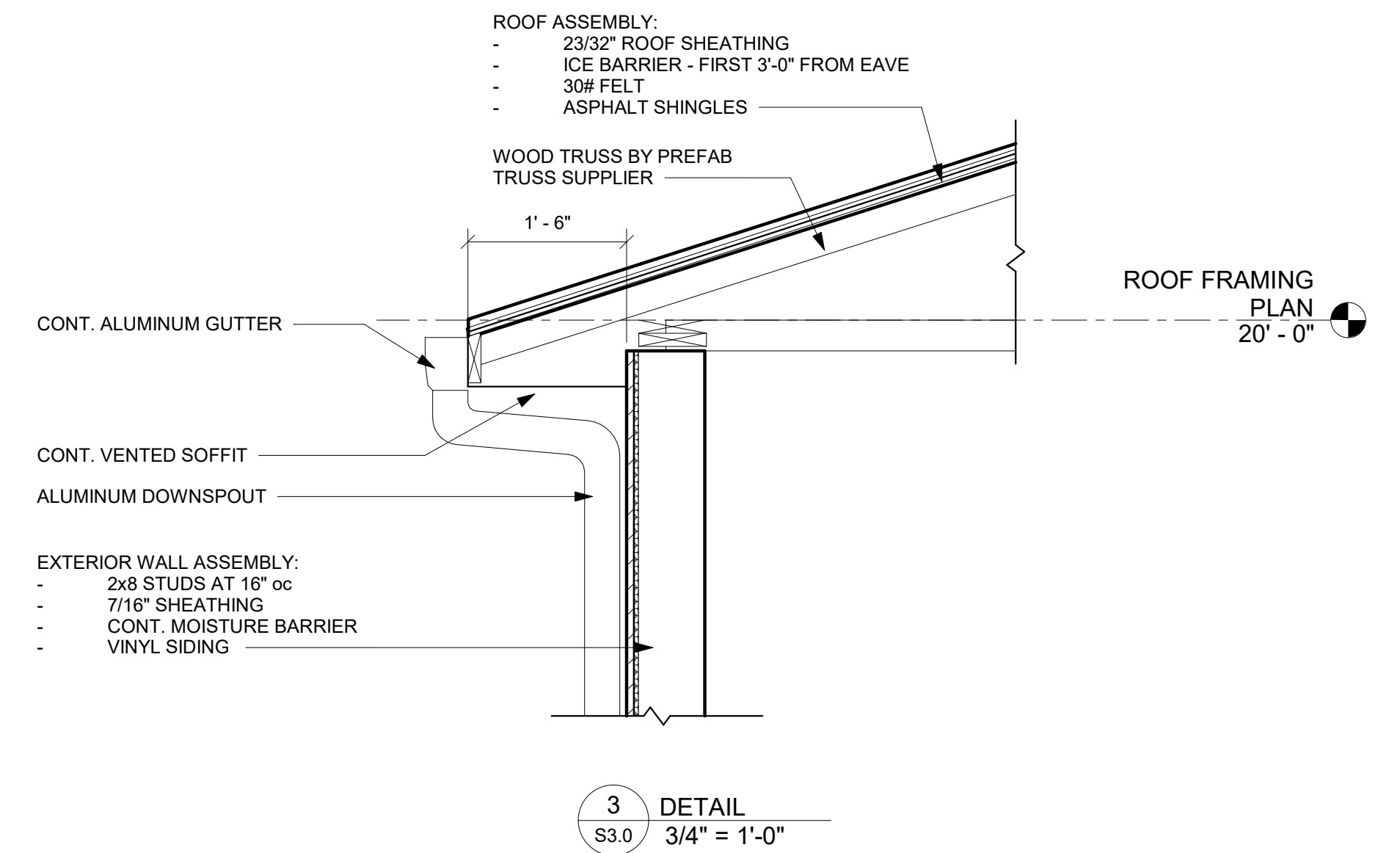
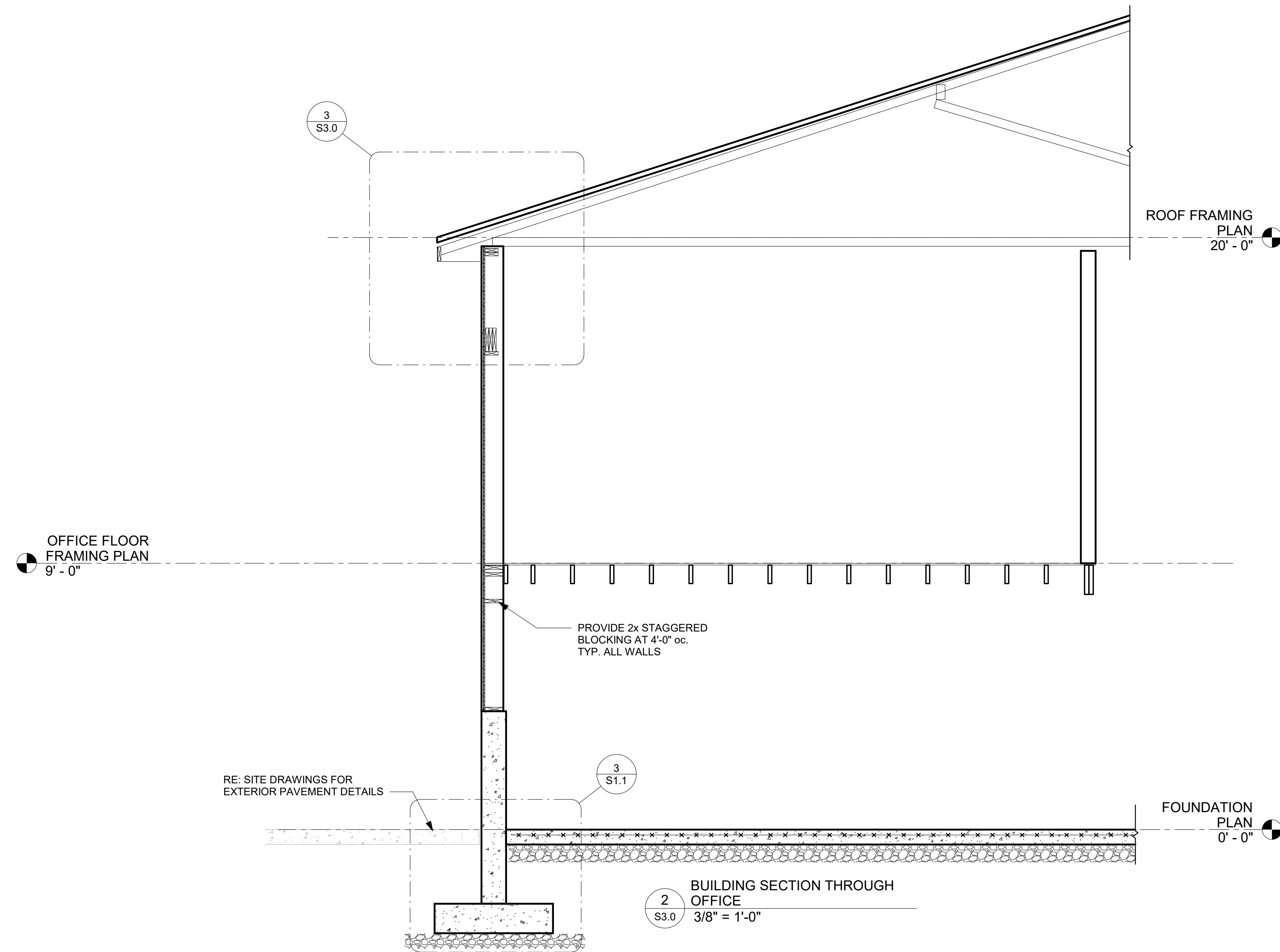
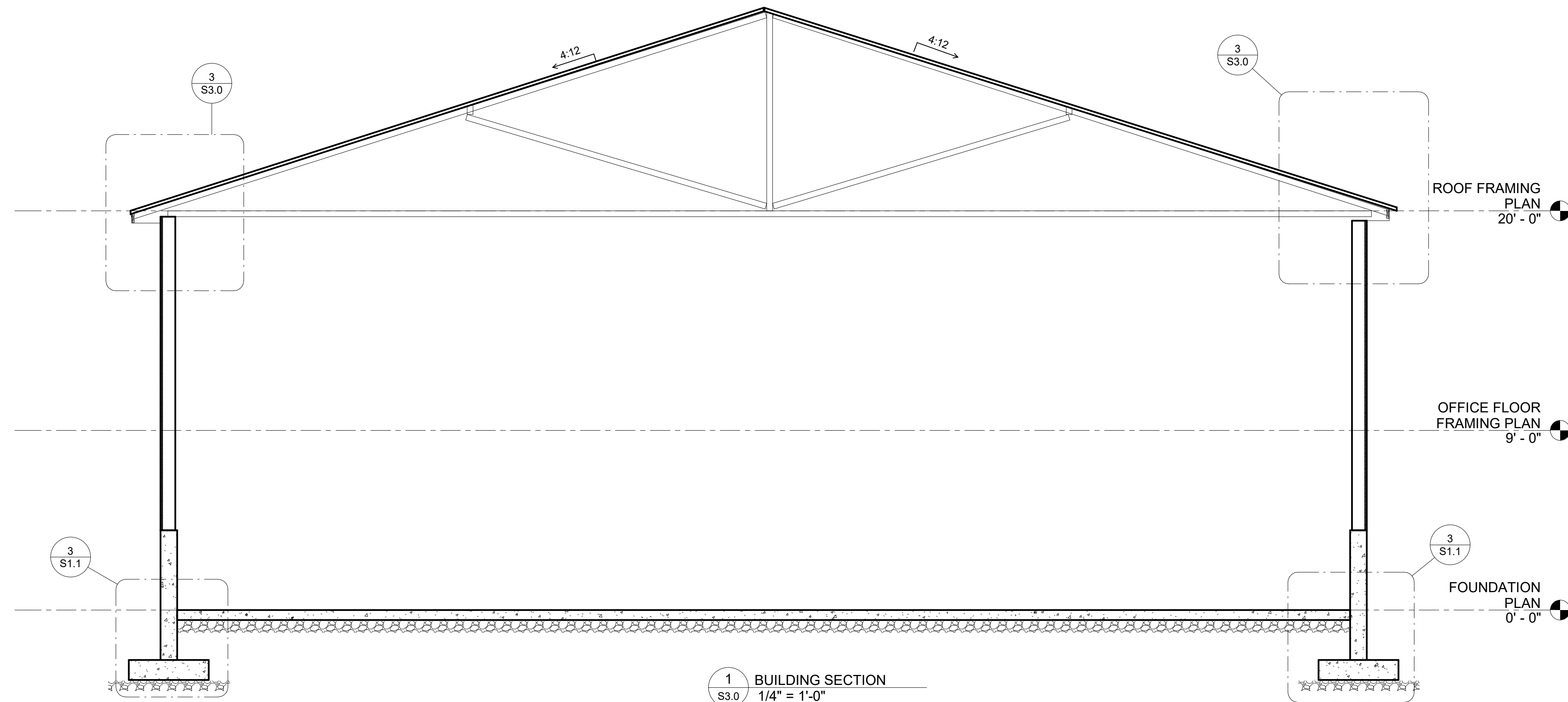


1 EAST ELEVATION
S2.1 1/4" = 1'-0"

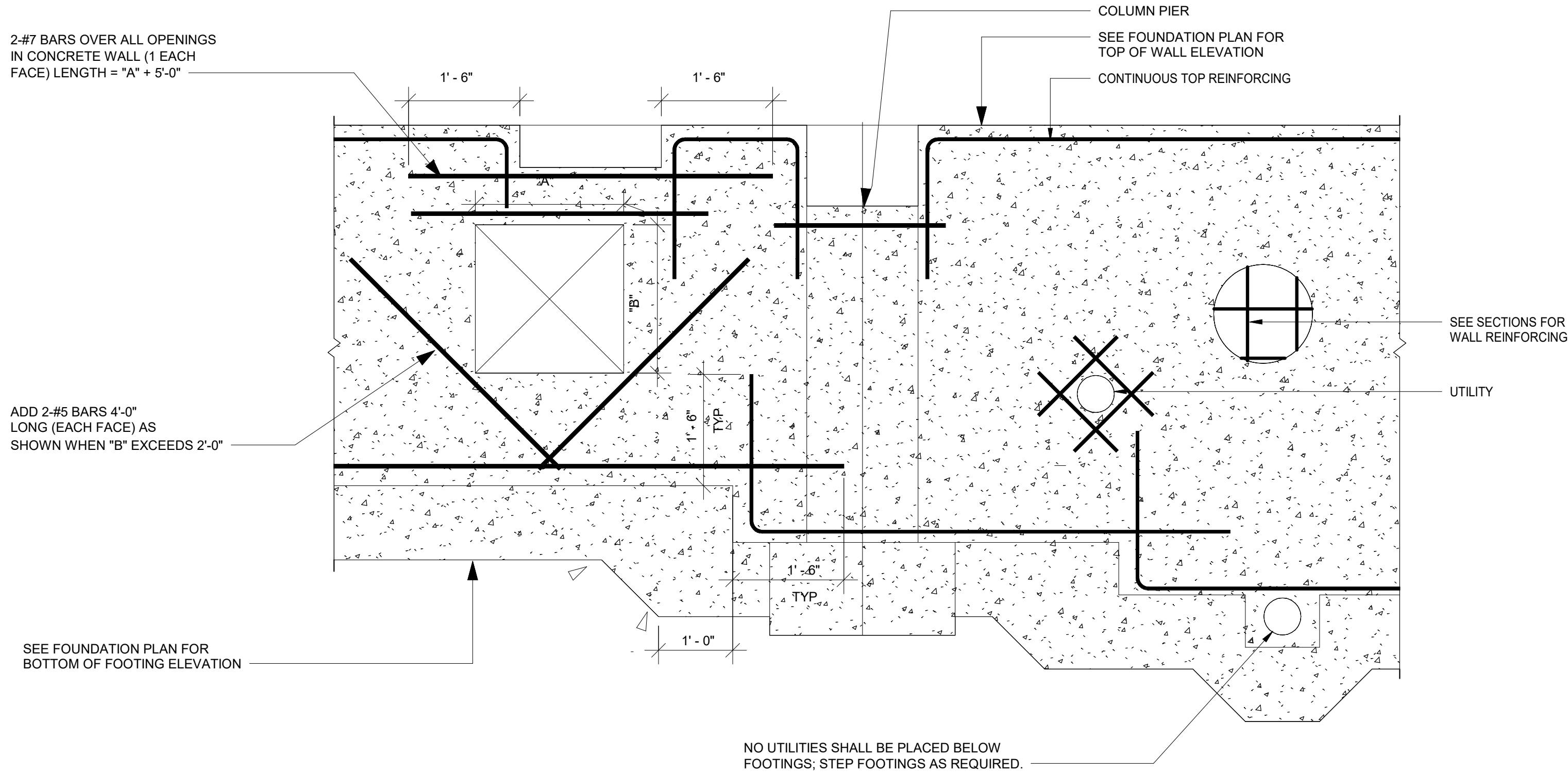


2 WEST ELEVATION
S2.1 1/4" = 1'-0"

drawing title EXTERIOR ELEVATIONS			drawing prepared by MACCHI ENGINEERS, LLC 44 Gillett Street Hartford, CT. 06105		date 10/9/2020
REVISIONS			project NEW GARAGE BUILDING AMERICAN VETS ABATEMENT EXPERTS 965 Hartford Turnpike Vernon, CT 06066		scale 1/4" = 1'-0"
mark	date	description		CAD no.	drawn by Author
				project no.	approved by Approver
					drawing no. S2.1

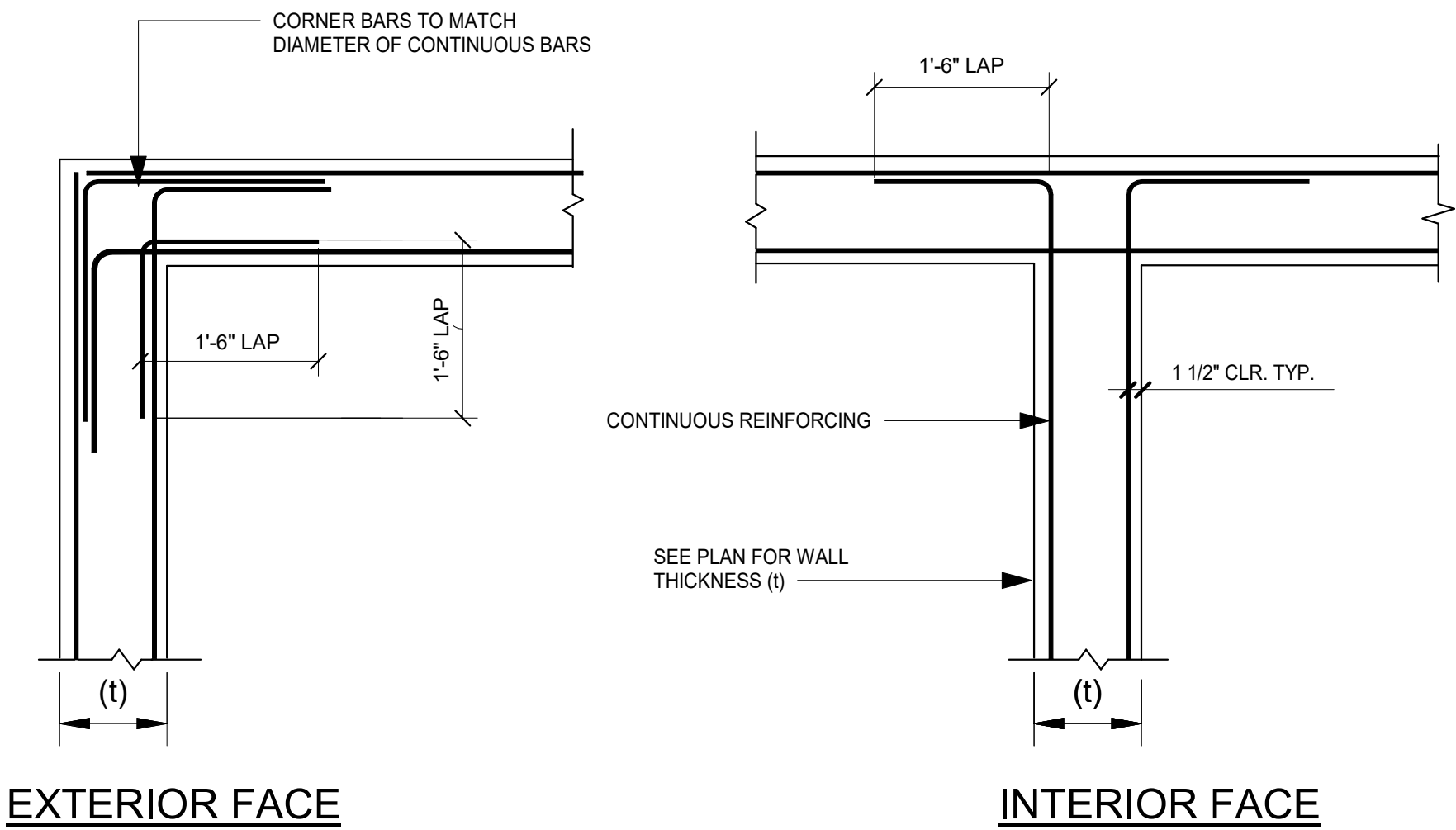


drawing title WALL SECTIONS			drawing prepared by MACCHI ENGINEERS, LLC 44 Gillett Street Hartford, CT. 06105		date 10/9/2020
REVISIONS			project NEW GARAGE BUILDING AMERICAN VETS ABATEMENT EXPERTS 965 Hartford Turnpike Vernon, CT 06066		scale As indicated
mark	date	description	CAD no.		drawn by Author
			project no.		approved by Approver
					drawing no. S3.0



TYPICAL FOUNDATION WALL REINFORCING DETAIL

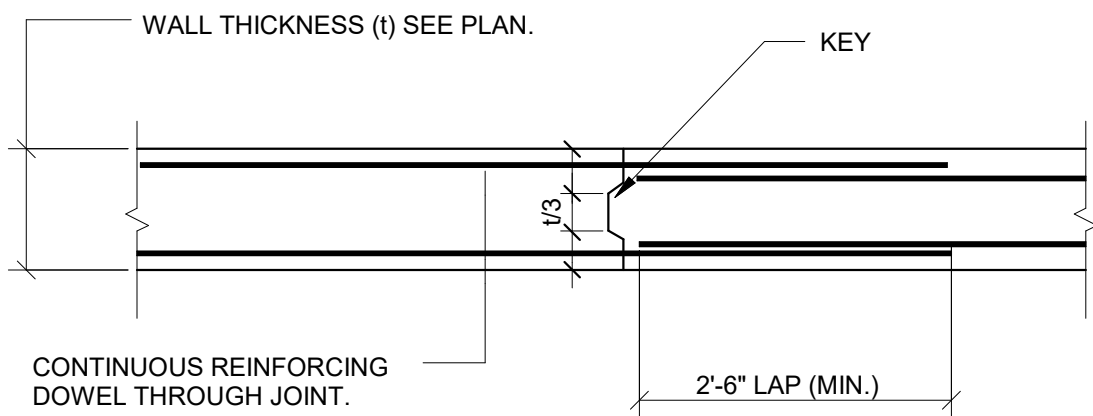
NOT TO SCALE



NOTE LAP DETAILS APPLY TO ALL REINFORCING CALLED OUT AS CONTINUOUS (CONT.) ON THE PLANS AND DETAILS.

TYPICAL WALL REINFORCING DETAIL

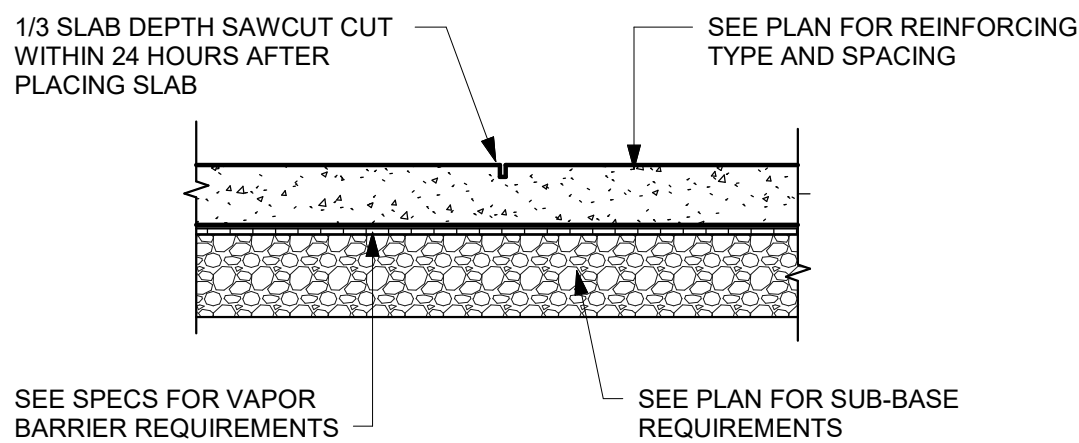
NOT TO SCALE



TYPICAL WALL CONSTRUCTION JOINT DETAIL

NOT TO SCALE

NOTE: LOCATION OF WALL CONSTRUCTION JOINTS IS TO BE COORDINATED WITH THE ENGINEER.



TYPICAL SLAB ON GRADE CONTROL JOINT DETAIL

NOT TO SCALE (COORDINATE LOCATIONS WITH FOUNDATION PLAN)

GENERAL NOTES

A. FILL AND BACKFILL

- ALL AREAS WITHIN THE STRUCTURE WILL BE STRIPPED OF EXISTING MATERIALS BEFORE FILLING TO REQUIRED GRADES. FILL WILL BE PLACED IN 8" MAX LAYERS AND COMPACTED WITH MECHANICAL VIBRATORS TO A MINIMUM OF 95% PROCTOR DENSITY AS DEFINED BY ASTM D698.
- SEE FOUNDATION PLANS FOR GRAVEL FILL REQUIREMENTS.
- NO WALLS ARE TO BE BACKFILLED UNTIL CONCRETE HAS BEEN IN PLACE A MINIMUM OF 7 DAYS UNLESS DIRECTED BY THE ENGINEER.
- SEE SPECIFICATONS AND DRAWING S1.1 FOR ADDITIONAL SUBGRADE REQUIREMENTS.

B. CONCRETE

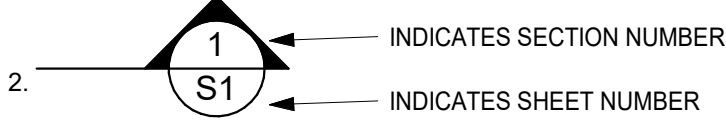
- CONCRETE STRENGTH AT 28 DAYS SHALL BE AS INDICATED IN DESIGN DATA.
- PROTECTIVE COVER, SPlice LAP AND EMBEDMENT FOR REINFORCING STEEL SHALL BE PER ACI SPECIFICATION.
- CONTINUOUS WALL POURS SHALL NOT EXCEED 40 FEET IN ONE DIRECTION. SEE TYPICAL DETAIL.
- SLABS ON GRADE WILL BE PLACED ON A VAPOR BARRIER. CONTROL JOINTS TO BE LOCATED AS SHOWN ON PLANS.
- ALL CONCRETE WALLS ARE TO BE REINFORCED. IF NOT SHOWN, PROVIDE 2-#6 BARS TOP AND BOTTOM CONTINUOUS AND #4 BARS AT 18" ON CENTER BOTH WAYS, BOTH FACES.

C. FOOTINGS

- ELEVATION OF BOTTOM OF FOOTINGS TO BE VERIFIED WITH FIELD CONDITIONS. ALL FOOTINGS SHALL BE PLACED A MINIMUM OF 3'-6" BELOW FINAL GRADES.
- ALL FOOTINGS TO BEAR ON FIRM, UNDISTURBED SOIL OR CONTROLLED FILLS HAVING A SAFE BEARING BEARING CAPACITY INDICATED IN THE DESIGN DATA. SEE DRAWING S-111 AND GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
- ALL WALL FOOTINGS ARE TO BE 1'-0" DEEP AND EXTEND 6" BEYOND EACH FACE OF WALL UNLESS NOTED OTHERWISE.
- FOOTINGS ARE NOT TO BE PLACED ON TOP OF UTILITIES. STEP FOOTINGS AS REQUIRED. COORDINATE LOCATION AND ELEVATION WITH SITE, CIVIL, AND MEP DRAWINGS.

D. GENERAL

- NO STORAGE OF MATERIALS SHALL BE ALLOWED ON ROOF MEMBERS DURING CONSTRUCTION.



DESIGN DATA

CODES AND STANDARDS USED:

2018 CONNECTICUT BUILDING CODE
2015 INTERNATIONAL BUILDING CODE
AMERICAN CONCRETE INSTITUTE BUILDING CODE (ACI-318-14)

ALLOWABLE STRESSES: SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

REINFORCING STEEL - ASTM A-615, GRADE 60 AND ASTM A-185
CONCRETE - f_c AT 28 DAYS
4,500 PSI FOR ALL FOOTINGS AND WALLS
4,000 PSI FOR ALL SLABS ON GRADE
ALLOWABLE SOIL BEARING STRESS:
2,000 psf - (ASSUMED)

WOOD DECK PROPERTIES

FLOOR DECK (FD) - 23/32" ADVANTECH SUB-FLOORING
ROOF DECK (RD) - 23/32" PLYWOOD SHEATHING

BASIC LATERAL STRUCTURAL SYSTEMS:

TIMBER SHEAR WALLS

WIND LOAD REQUIREMENTS: (IBC SECTION 1609)

WIND LOAD ANALYSIS DESIGN PROCEDURE - METHOD 1 SIMPLIFIED PROCEDURE
ULTIMATE DESIGN WIND SPEED V_{ult} = 135 MPH (VERNON)
NOMINAL DESIGN WIND SPEED V_{asd} = 105 MPH (VERNON)
RISK CATEGORY III (IBC 1604.5)
EXPOSURE CATEGORY B (IBC 1609.4)

EARTHQUAKE REQUIREMENTS: (IBC SECTION 1613)

RISK CATEGORY III
SEISMIC IMPORTANCE FACTOR, I_e = 1.25

SNOW LOAD: (IBC SECTION 1608)

THERMAL FACTOR C_t = 1.0
EXPOSURE FACTOR C_e = 1.0
IMPORTANCE FACTOR I_s = 1.10
ROOF FLAT SNOW LOAD P_f = 30 psf (MIN.)

LIVE LOAD SCHEDULE: (2015 IBC TABLE 1607)

GARAGE FLOOR 100 PSF
OFFICE SPACE 60 PSF

drawing title GENERAL NOTES AND TYPICAL DETAILS			drawing prepared by MACCHI ENGINEERS, LLC 44 Gillett Street Hartford, CT. 06105		date 10/9/2020
mark	date	description	project NEW GARAGE BUILDING AMERICAN VETS ABATEMENT EXPERTS 965 Hartford Turnpike Vernon, CT 06066		scale 3/4" = 1'-0"
			CAD no.	project no.	drawn by Author approved by Approver drawing no. S4.0

FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Check with factory for Canadian specifications. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION — Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, .1196"), or 50 KSI (7-gauge, .1793"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: A flush non-metallic black top cap is provided for all poles that will receive drilling patterns for side-mount luminaire arm assemblies or when ordered with PT option.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/ Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-dipped Galvanized, Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. Factory-applied primer paint finish is available for customer field-paint applications.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. Example: SSS 20 5C DM19 DDB

SSS						
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness¹	Mounting²		Options	Finish¹⁰
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) See technical information table for complete ordering information.)	4C 4" 11g (.1196")	Tenon mounting	AERIS™ Suspend drill mounting³,⁴	Shipped installed	Standard colors
		4G 4" 7g (.1793")	PT Open top (includes top cap)	DM19AST_ 1 at 90°	L/AB Less anchor bolts (Include when anchor bolts are not needed)	DDBXD Dark bronze
		5C 5" 11g (.1196")	T20 2-3/8" O.D. (2" NPS)	DM28AST_ 2 at 180°	VD Vibration damper	DWHXD White
		5G 5" 7g (.1793")	T25 2-7/8" O.D. (2-1/2" NPS)	DM29AST_ 2 at 90°	TP Tamper resistant handhole cover fasteners	DBLXD Black
		6G 6" 7g (.1793")	T30 3-1/2" O.D. (3" NPS)	DM39AST_ 3 at 90°	HAxy Horizontal arm bracket (1 fixture)⁵,⁶	DMBXD Medium bronze
			T35 4" O.D. (3-1/2" NPS)	DM49AST_ 4 at 90°	FDLxy Festoon outlet less electrical⁵	DNAXD Natural aluminum
			KAC/KAD/KSE/KSF/KVR/KVE Drill mounting³	OMERO™ Suspend drill mounting³,⁴		Classic colors
			DM19 1 at 90°	DM19MRT_ 1 at 90°	CPL12/xy 1/2" coupling⁵	DSS Sandstone
			DM28 2 at 180°	DM28MRT_ 2 at 180°	CPL34/xy 3/4" coupling⁵	DGC Charcoal gray
			DM28 PL 2 at 180° with one side plugged	DM29MRT_ 2 at 90°	CPL1/xy 1" coupling⁵	DTG Tennis green
			DM29 2 at 90°	DM39MRT_ 3 at 90°	NPL12/xy 1/2" threaded nipple⁵	DBR Bright red
			DM39 3 at 90°	DM49MRT_ 4 at 90°	NPL34/xy 3/4" threaded nipple⁵	DSB Steel blue
			DM49 4 at 90°		NPL1/xy 1" threaded nipple⁵	Architectural Colors and Special Finishes¹¹
			CSX/DSX/RSX/AERIS™/OMERO™/HLA/KAX Drill mounting³		EHHxy Extra handhole⁵,⁷	Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.
			DM19AS 1 at 90°		MAEX Match existing⁸	
			DM28AS 2 at 180°		USPOM United States point of manufacture⁹	
			DM29AS 2 at 90°		IC Interior coating¹⁰	
			DM39AS 3 at 90°		UL UL listed with label (Includes NEC compliant cover)	
			DM49AS 4 at 90°		NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled)	
			RAD drill mounting³		Shipped separately (replacement kit available)	
			DM19RAD 1 at 90°		(blank) FBC Full base cover (plastic)	
			DM28RAD 2 at 180°		(blank) TC Top cap	
			DM29RAD 2 at 90°		(blank) HHC Handhole cover	
			DM32RAD 3 at 120°			
			DM39RAD 3 at 90°			
			DM49RAD 4 at 90°			

- NOTES:
1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
5. Specify location and orientation when ordering option.
For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
Example: 5ft = 5 and 20ft 3in = 20-3
For "y": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram below.
Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAXxy. Example: HA20BD.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when mill certifications are required.
10. Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.



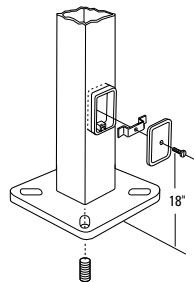
POLE-SSS

SSS Square Straight Steel Poles

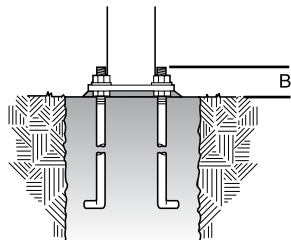
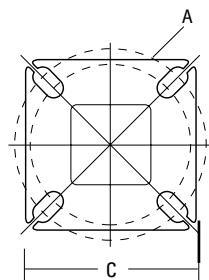
TECHNICAL INFORMATION — EPA (ft ²) with 1.3 gust													
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft ²) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8-9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8-9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8-9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8-9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8-9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8-9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8-9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10-12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10-12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8-9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8-9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10-12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10-12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8-9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	--	--	10-12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10-12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.1793	7	19	475	13.2	330	9	225	11-13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10-12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11-13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11-13	1 x 36 x 4	605

* EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

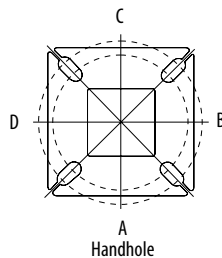
BASE DETAIL



POLE DATA								
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template number	Anchor bolt description
4"C	8" - 9"	3.25" - 3.75"	8" - 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C	3/4"x18"x3"
4"G	8" - 9"	3.38" - 3.75"	8" - 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G	3/4"x30"x3"
5"	10" - 12"	3.5" - 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5	1"x36"x4"
6"	11" - 13"	4" - 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	N/A	1"x36"x4"



HANDHOLE ORIENTATION



Default DM19 is on side B.

IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.