CASTLETON UNIVERSITY
COMMUNITY COLLEGE OF VERMONT
NORTHERN VERMONT UNIVERSITY
VERMONT TECHNICAL COLLEGE

VERMONT
STATE COLLEGES SYSTEM

OFFICE OF THE CHANCELLOR
PO BOX 7
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REQUEST FOR PROPOSALS
Montpelier Retaining Wall Repair
Vermont State Colleges System d/b/a Community College of Vermont

ISSUED BY
Vermont State Colleges d/b/a Community College of Vermont

APPLICATION DEADLINE
December 4, 2026 at 2:00 pm Eastern Time

APPLICATION INSTRUCTIONS
Email PDF versions of all documents to Linda.Lawrence@ccv.edu by the deadline, using the following naming convention:

- **Email Subject Line:** CCV Montpelier Retaining Wall Bid
- **Qualifications & Project Approach**: Applicant_Name_CCV Montpelier Retaining Wall RFP_Qualifications.pdf
- **References**: Applicant_Name_CCV Montpelier Retaining Wall RFP_References.pdf
- **Fee Proposal & Schedule**: Applicant_Name_CCV Montpelier Retaining Wall RFP_Fee Proposal.pdf
- **Redacted Copy**: Applicant_Name_CCV Montpelier Retaining Wall RFP_Redacted.pdf

QUESTIONS REGARDING THE RFP
Questions regarding this RFP may be directed to Linda Lawrence, Director of Operations at the Community College of Vermont: Linda.Lawrence@ccv.edu. For the fastest response please enter ***CCV Retaining Wall RFP Question*** in the subject line of your message. All questions must be submitted by November 16, 2026 4:00pm E.T. Answers will be provided by November 20, 2026, 3:00 pm E.T.

SITE VISITS
The site will be available for pre-bid viewing at 660 Elm Street, Montpelier, VT 05602 on November 9, 2026, from 9:00 am to 11:00 am.

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VERMONT STATE COLLEGES SYSTEM OVERVIEW

The Vermont State Colleges System (VSCS) is comprised of Vermont State University (VTSU) and Community College of Vermont (CCV). CCV serves approximately 10,000 students across 10 physical locations and online. The VSCS owns three buildings operated by the Community College of Vermont; those buildings are located in Winooski, Montpelier, and White River Junction.

SCOPE OF WORK

The Community College of Vermont (CCV) is seeking qualified contractors to provide all labor, materials, equipment, supervision, and services necessary for the replacement of two failed retaining walls located on the west side of the facility at 660 Elm Street, Montpelier, Vermont. The project includes demolition of the existing retaining walls, installation of new retaining wall systems, associated structural repairs, drainage improvements, and restoration of adjacent site features.

The base bid shall include the removal and replacement of two existing stacked waste-block retaining walls. New retaining walls shall consist of precast segmental block retaining walls, except for the section supporting the elevated west entrance, which shall be replaced with a cast-in-place concrete foundation wall.

The project shall also include:

- Shoring and support of the existing elevated west entrance during construction.
- Replacement of existing pressure-treated entry support posts with new pressure-treated posts.
- Replacement of existing joist hangers.
- Replacement of existing stair stringers.
- Construction of new foundation drainage systems, including underdrains and wall drainage as indicated in the plans.
- Demolition and replacement of the existing concrete stoop slab at the adjacent south entrance with a new frost-protected cast-in-place concrete stoop.
- Associated site restoration, grading, and erosion control measures required to complete the work.

Add Alternate No. 1 – Complete West Entry Replacement

As an add alternate, bidders shall provide pricing for the complete demolition and reconstruction of the elevated west entrance structure. The intent of this alternate is to eliminate the need for temporary shoring of the existing entry during construction.

The add alternate shall include:

- New foundation and structural support elements as required.
- New floor framing and roof framing.
- New stair construction.
- New railings and associated architectural finishes.

Reconstruction of the entry to match the existing architectural character, appearance, and functionality of the current entrance.

Project Goals

The project objectives are to improve site safety, stabilize the hillside adjacent to the building, address drainage deficiencies, extend the service life of the entrance structures, and provide durable retaining wall systems designed to meet current engineering and code requirements.

QUALIFICATIONS

Contractor minimum requirements

- The Contractor shall possess and maintain a current business license.
- The Contractor is required to have a minimum of five (5) years in business performing work relevant to the scope of work.
- The Contractor must meet the insurance requirements listed below.

The successful Vendor shall submit to the Customer a valid Certificate of Insurance meeting the state minimum General Liability and Workers' Compensation requirements, to be in effect for the full period of performance of any resultant contract.

Vendor shall notify the Customer in writing at least thirty (30) calendar days prior to any change or cancellation of said policy or policies.

Cancellation or modification of said policy or policies shall be considered just cause for the Customer to immediately cancel the contract and/or to halt work on the contract, and to withhold payment for any work performance on the contract.

EVALUATION

Method of Award

VSCS will award the contract to the responsive and responsible bidder whose proposal offers the best overall value to VSCS, as determined by the two-step evaluation described below. If VSCS does not identify a suitable bidder through this RFP process, VSCS is not obligated to award the project to any bidder.

Step 1: Minimum Requirements (Pass/Fail)

Proposals will first be reviewed for the following minimum requirements. Proposals that do not meet all of them will not be scored.

- A current business license.
- A minimum of five (5) years in business performing work relevant to the Scope of Work.
- The ability to provide a Certificate of Insurance meeting the requirements in the Qualifications section.
- A complete proposal, received by the deadline, that includes all documents listed under Submission Requirements and pricing for both the Base Bid and Add Alternate No. 1.

Step 2: Scored Criteria (100 Points)

Proposals that meet the minimum requirements will be scored by an evaluation committee using the following criteria:

Criterion	Points	What Will Be Evaluated
Cost	35	Base Bid price. Scored using the formula described below.
Relevant Experience & Qualifications	25	Demonstrated experience with precast segmental block retaining walls, cast-in-place concrete foundation walls, and temporary shoring of occupied structures; qualifications of the proposed project manager and site superintendent; qualifications of any proposed subcontractors.
Project Approach & Work Plan	20	Proposed approach to shoring the elevated west entrance; sequencing of demolition and construction; drainage and erosion control; measures to maintain safe access to the occupied building; protection of adjacent site features.
Schedule	10	Realistic project schedule and demonstrated ability to start and complete the work within the construction season, including frost-sensitive concrete work.

Criterion	Points	What Will Be Evaluated
References & Past Performance	10	Feedback from references on projects of similar scope and complexity, preferably for public or institutional owners. Safety record (e.g., Experience Modification Rate and OSHA history) may be considered.
Total	**100**	

Cost Scoring

The lowest responsive Base Bid will receive the full 35 points. All other Base Bids will receive points in proportion to the lowest bid, using the formula: (lowest Base Bid ÷ bidder's Base Bid) × 35.

Add Alternate No. 1

Add Alternate No. 1 will not be included in the cost score. VSCS may, at its sole discretion and subject to available funding, elect to accept Add Alternate No. 1 with the contract award.

The VSCS, in its best interests, reserves the option to accept or reject any or all proposals, to accept or reject any item or combination of items therein, to waive any irregularities or informalities in any proposal or items therein, and/or to negotiate with particular bidders following the evaluation of proposals without right of recourse by other bidders. A top proposal would be assessed in the judgment of VSCS as best complying with all considerations set forth in this RFP. When VSCS has tentatively selected a successful proposal, VSC may engage in discussions with the bidder to formulate plans in greater detail, to clarify unclear items for either party, and to otherwise complete negotiations prior to formal selection.

GENERAL CONDITIONS

1. This RFP does not commit the Vermont State Colleges System to award a contract.

2. This RFP and the process it describes are proprietary to the VSCS and are for the sole and exclusive benefit of the corporation. No other party, including any Applicant, is granted any rights hereunder. Any response, including written documents and verbal communication, by any Applicant to this RFP, shall become the property of the VSCS and may be subject to public disclosure as described in the Confidentiality section, below.

3. Submission of a proposal indicates acceptance by the Consultant of the conditions contained in this RFP, unless clearly and specifically noted in the proposal submitted and confirmed in the contract between Vermont State Colleges System and the chosen Vendor.

4. Responses shall be binding upon the chosen Vendor and irrevocable for up to 60 days following the close of applications.

5. From the release date of this request for proposal until award of the contract, no contact with Vermont State Colleges System personnel or board members related to this solicitation is permitted. Direct all communications to the designated contact on the first page of this request.

6. The Vermont State Colleges System reserves the right to:

    a. Request clarification and additional information from any Vendor during the evaluation process
    b. Negotiate with the chosen Vendor to include further services not identified in this RFP
    c. Re-advertise with either an identical or a revised scope of work or cancel requirements in their entirety
    d. Issue subsequent RFPs based on refinement of concepts proposed in response to this request
    e. Conduct investigations of the qualifications of the Applicant as deemed appropriate
    f. Request the Applicant modify the submitted proposal to more fully meet the needs of the Vermont State Colleges System

CONFIDENTIALITY

The Vermont State Colleges System complies with the Vermont Public Records Act, 1 VSA § 315 *et seq*. which requires public agencies to allow any person to inspect or copy any public record upon request. Accordingly, applicants for this RFP are hereby advised that any communications, data or other information received by the Vermont State Colleges System during the RFP process could be subject to a public records request. However, certain public records are exempt from public inspection and copying, as set forth in 1 VSA § 317(c), including, for example, those portions of a record which meet the statutory definition of a trade secret. **Accordingly, consultant should submit a second copy of their proposal, from which any portion of the proposal that the consultant reasonably believes to be exempt from disclosure under the Public Records Act has been redacted. By submitting a proposal, you indicate that you understand the requirements of this section and the potential applicability of Vermont's Public Records Act to your proposal.**

SUBMISSION REQUIREMENTS

All submissions are due no later than December 4, 2026 2:00 pm Eastern Time.

In four (4) separate PDF documents, named as outlined on the Application Instructions page, please provide the following:

1. **Qualifications & Project Approach**: Provide the following:

a. Firm overview, including years in business and a copy of the current business license.
b. At least three comparable projects completed in the past ten years (retaining walls, cast-in-place foundation walls, and/or shoring of occupied structures), with project location, owner, contract value, and completion date.
c. Names and résumés of the proposed project manager and site superintendent.
d. A list of proposed subcontractors and the work each will perform.
e. A narrative describing the approach to shoring the west entrance, sequencing of the work, drainage and erosion control, and maintaining safe access to the occupied building.
f. Safety record, including the firm's current Experience Modification Rate (EMR) and any OSHA citations in the past three years.

2. **Fee Proposal & Schedule**: Provide a lump-sum price for the Base Bid and a separate lump-sum price for Add Alternate No. 1. Include a proposed project schedule showing the anticipated start date, major milestones, and substantial completion date.

3. **References**: Provide three references for projects of similar scope and complexity, preferably for public or institutional owners. For each, include the contact name, organization, phone number, email address, and a brief project description.

4. **Redacted Copy**: Provide a second copy of the proposal, redacting any portion of the proposal that is reasonably believed to be exempt from disclosure under the Vermont Public Records Act.

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CIVIL GENERAL NOTES:

A. GENERAL NOTES

1. THE EXISTING CONDITIONS ARE FROM A SURVEY BY DUBOIS AND KING INC. CONDUCTED ON 5/27/2026 ON THE VERMONT STATE PLANE COORDINATE SYSTEM, NAD 83 (2011) AND NAVD 88 VERTICAL DATUM.
2. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL, AND ARE GIVEN AT 68 DEGREES FAHRENHEIT, UNLESS NOTED OTHERWISE.
3. DUBOIS & KING, INC INCLUDES UTILITY INFORMATION WITHOUT WARRANTING ITS ACCURACY IN ANY WAY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE, AND ELEVATION OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
4. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWING OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATIONS.
5. CONTRACTOR MUST PARTICIPATE IN AN ON-SITE PRE-CONSTRUCTION CONFERENCE.
6. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIG SAFE, AT 1-888-DIG-SAFE, AT LEAST 72 HOURS BEFORE DIGGING.
7. CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL DEVICES AS NECESSARY AND IN A MANNER CONSISTENT WITH THE MOST CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

B. CODES & PERMITS

1. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK IN STRICT ACCORDANCE WITH ALL MUNICIPAL, STATE, & FEDERAL ORDINANCES, CODES, RULES, AND LAWS HAVING JURISDICTION. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK WHICH MAY NOT COMPLY COMPLETELY WITH ALL MUNICIPAL, STATE, & FEDERAL ORDINANCES, CODES, RULES, AND LAWS HAVING JURISDICTION. THESE INCLUDE, BUT ARE NOT LIMITED TO:

A. CITY OF MONTPELIER FLOOD HAZARD AREA PERMIT
B. STATE OF VERMONT STREAM ALTERATION PERMIT
C. VERMONT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

C. UNSUITABLE BACKFILL MATERIAL

1. SUITABLE EXCAVATED MATERIALS MAY BE INCORPORATED INTO THE PROJECT. THIS PROVISION SHALL IN NO WAY RELIEVE THE CONTRACTOR OF THE OBLIGATION TO REMOVE AND DISPOSE OF ANY MATERIAL DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING OR EXCESS SUITABLE MATERIAL.

D. GRADING

1. GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE DRAWINGS. IF CHANGES ARE REQUIRED, NOTIFY THE ENGINEER PRIOR TO BEGINNING OF WORK.

E. EROSION CONTROL

1. CONTRACTOR SHALL CONSTRUCT TEMPORARY AND PERMANENT EROSION PREVENTION AND SEDIMENTATION CONTROL (EPSC) FACILITIES PRIOR TO THE COMMENCEMENT OF EARTHWORK OPERATIONS. EPSC MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, ITEMS IDENTIFIED WITHIN THIS PLAN SET OR WITHIN THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION (VTDEC) LOW-RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL.
2. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN EPSC DEVICES THROUGHOUT THE PROJECT SITE FOR THE DURATION OF THE CONSTRUCTION. THE CONTRACTOR SHALL (DAILY OR ON AN AS REQUIRED BASIS) INSPECT AND RECORD FINDINGS OF ALL EPSC DEVICES TO ENSURE THAT ALL ITEMS ARE IN SATISFACTORY CONDITION. IN THE EVENT THAT SAID ITEMS ARE DETERMINED TO BE IN UNSATISFACTORY CONDITION, THE CONTRACTOR SHALL RECORD THE UNSATISFACTORY ISSUE, THE DATE OF THE UNSATISFACTORY FINDING, THE APPROPRIATE CORRECTIVE MEASURE AND THE DATE THE CORRECTIVE MEASURE WAS COMPLETED.
3. ALL DISTURBED AREAS SHALL NOT BE LEFT BARE FOR MORE THAN 30 DAYS, SHALL BE STABILIZED IN A MANNER TO MITIGATE EROSION OR SEDIMENTATION FROM EXITING THE LIMIT OF WORK AND SHALL BE RESTORED IN-KIND UPON COMPLETION OF THE PROJECT. THE MAXIMUM AREA ALLOWED TO BE DISTURBED AND LEFT UNSTABILIZED IS TWO ACRES PER DRAINAGE AREA.
4. ALL SLOPES GREATER THAN 1V:3H SHALL BE PROTECTED FROM EROSION WITH APPROPRIATE SLOPE STABILIZATION CONTROL MEASURES PRIOR TO LOAMING, SEEDING AND MULCHING WITHIN 72 HOURS OF COMPLETION. CONTRACTOR SHALL MAINTAIN EROSION CONTROL PROTECTION UNTIL VEGETATION GROWTH HAS BEEN ESTABLISHED. ALL SLOPE STABILIZATION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND VERMONT BEST MANAGEMENT PRACTICES.
5. ALL SWALES AND DITCHES WITH SLOPES EXCEEDING 5% SLOPE SHALL BE PROTECTED FROM EROSION WITH MATTING. ALL MATTING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. ALL SWALES AND DITCHES SHALL BE PROPERLY STABILIZED PRIOR TO DIRECTING FLOW TO THEM.
6. THE CONTRACTOR SHALL NOT PLACE PERMANENT PLANTING AND SEEDING PRIOR TO MAY 1st NOR AFTER SEPTEMBER 1st. TEMPORARY SEEDING SUCH AS WINTER RYE MAY BE USED OUTSIDE OF THIS PERIOD.
7. ALL WORK MUST BE DONE IN A MANNER WHICH MINIMIZES THE POTENTIAL FOR THE DISCHARGE OF SEDIMENT-LADEN WATER. CONTRACTOR IS RESPONSIBLE FOR DIVERTING, PUMPING, OR OTHERWISE CONTROLLING WATER AS NECESSARY.
8. ALL DISTURBED AREAS NOT SPECIFIED TO HAVE OTHER SURFACE TREATMENT SHALL HAVE 4" OF TOPSOIL, SEED, AND MULCH.

F. MATERIAL SPECIFICATIONS:

1. CONTRACTOR TO PROVIDE SUBMITTALS TO ENGINEER FOR ALL MATERIALS SHOWN ON THE DESIGN PLANS AND/OR ANY MATERIALS WHICH ARE TO BE SUBSTITUTED FOR USE ON SITE FOR APPROVAL PRIOR TO CONSTRUCTION.
2. MATERIALS NOT SPECIFIED HEREIN SHALL MEET OR EXCEED VERMONT AGENCY OF TRANSPORTATION (VTRANS) STANDARD SPECIFICATIONS FOR CONSTRUCTION.

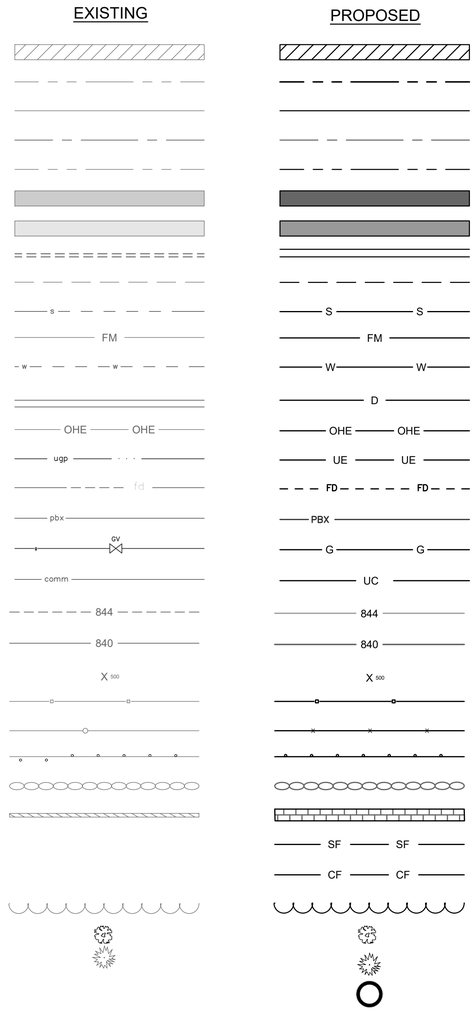
G. UTILITIES

1. ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE UNLESS OTHERWISE NOTED ON PLANS. AT NO ADDITIONAL COST TO THE OWNER, THE CONTRACTOR SHALL REPAIR OR COORDINATE WITH THE RESPECTIVE UTILITY FOR DAMAGE TO UTILITIES.

H. COMPACTION & FILL

1. EXISTING SURFACES TO RECEIVE BACKFILL SHOULD BE BROUGHT TO THE OPTIMUM MOISTURE CONTENT (WITHIN ± 2%), AND COMPACTED IN PLACE TO AT LEAST 90% OF MAXIMUM DRY DENSITY. BACKFILL MATERIALS SHALL BE PLACED IN THIN LIFTS (NOT EXCEEDING 10").
2. MAXIMUM DENSITY AND OPTIMUM MOISTURE CONTENTS SHOULD BE DETERMINED FOR ALL FILL MATERIALS IN ACCORDANCE WITH ASTM D1557 (MODIFIED PROCTOR).
3. COMPACTION TESTING IS REQUIRED ON BACKFILL AREAS. REFER TO PLAN DETAIL SHEETS FOR APPLICABLE COMPACTION REQUIREMENTS.
4. FILL PLACEMENT EFFORTS USING VIBRATORY EQUIPMENT SHOULD BE CLOSELY MONITORED TO GAUGE THE EFFECTS OF VIBRATIONS ON CUT SLOPE STABILITY AND POTENTIAL EFFECTS ON EXISTING STRUCTURES, THE SIZE OF VIBRATORY EQUIPMENT SHOULD BE SELECTED TO MINIMIZE POTENTIAL ADVERSE EFFECTS, AND IF SHOWN TO BE UNACCEPTABLE, NON-VIBRATORY EQUIPMENT SHOULD BE SUBSTITUTED.

LEGEND



EXISTING	PROPOSED	
		STRUCTURES & BUILDINGS
		APPROXIMATE PROPERTY LINE
		APPROXIMATE SETBACK LINE
		APPROXIMATE CENTER LINE
		APPROXIMATE EASEMENT LINE
		PAVED ROAD & DRIVE
		CONCRETE SIDEWALK
1260 X 868.10 SIGN		CONCRETE CURB
CMF	CMF	GRAVEL ROAD & DRIVE & TRAILS
		GRAVITY SEWER
ELEV: 868.54		FORCE MAIN
		WATER LINE
		STORMWATER LINE
		OVERHEAD UTILITIES
ET	ET	UNDERGROUND POWER
		FOUNDATION DRAIN
		PRIVATE BRANCH EXCHANGE LINE
IRF IPF	IRS IPS	GAS MAIN
		UNDERGROUND COMMUNICATIONS
		2' CONTOUR ELEVATION
		10' CONTOUR ELEVATION
GV	GV	SPOT ELEVATION
		STOCKADE FENCE
		CHAIN LINK FENCE
		GUARDRAIL
W	W	STONEWALL
MW	MW	RETAINING WALL
S	S	SILT FENCE
		CONSTRUCTION FENCE
D	D	EDGE OF VEGETATION
B14		DECIDUOUS TREE
P2		CONIFER TREE
TP-1		INLET PROTECTION
PT-2		
BM		

EXISTING	PROPOSED	
		BUSH
		DEMOLITION
		EROSION STONE
		EROSION CONTROL MATTING
		CHECK DAM
		SLEEVED PIPE
		RIPRAP
		SURVEY SIDE SHOT
CMF	CMF	CONCRETE & GRANITE BOUND
		LIGHT POLE
		HORIZONTAL/VERTICAL CONTROL
		GUY POLE
		UTILITY POLE
		UTILITY POLE WITH LIGHT
ET	ET	UNDERGROUND UTILITY VAULT
		PULL BOX
		SIGN
IRF IPF	IRS IPS	IRON PIPE - IRON ROD
		HYDRANT
		WATER SHUT-OFF
		GAS SHUT-OFF
GV	GV	GATE VALVE
		BOLLARD
		CLEANOUT
		AREA DRAIN
W	W	WELL
MW	MW	MONITORING WELL
S	S	SEWER MANHOLE
		CATCH BASIN
D	D	STORMWATER MANHOLE
B14		BORING
P2		PROBE
TP-1		TEST PIT
PT-2		PERC. TEST
BM		BENCHMARK

TYPICAL ABBREVIATIONS:

AASHTO = AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ASTM = AMERICAN SOCIETY OF TESTING MATERIALS
B = BORING
BIT = BITUMINOUS
BM = BENCH MARK
BMP = BEST MANAGEMENT PRACTICE
CB = CATCH BASIN
CF = CUBIC FEET, OR CONSTRUCTION FENCE
CFS = CUBIC FEET PER SECOND
CMP = CORRUGATED METAL PIPE
CY = CUBIC YARD
DWL = DOWEL
ELEV = ELEVATION
EPSC = EROSION PREVENTION AND SEDIMENT CONTROL
EW = EACH WAY
EX = EXISTING
FE = FLANGED END
FFE = FINISHED FLOOR ELEVATION
FT = FOOT, FEET
GV = GATE VALVE
HDPE = HIGH DENSITY POLYETHYLENE
HYD = HYDRANT
ID = INSIDE DIAMETER
IN = INCH
INV = INVERT
LF = LINEAR FEET, LINEAL FEET
MAX = MAXIMUM
MIN = MINIMUM
N/F = NOW OR FORMERLY
NTS = NOT TO SCALE
OD = OUTSIDE DIAMETER
OHT&P = OVERHEAD TELEPHONE & POWER
PCA = PORTLAND CEMENT ASSOCIATION
PL = PROPERTY LINE
PVC = POLYVINYLCHLORIDE
ROW = RIGHT-OF-WAY
S = SEWER
SF = SQUARE FEET, OR SILT FENCE
SD = STORM DRAIN
SMH = SEWER MANHOLE
SY = SQUARE YARDS
T = TELEPHONE
TBM = TEMPORARY BENCHMARK
TP = TEST PIT, OR TURNING POINT
TYP = TYPICAL
UGT&P = UNDERGROUND TELEPHONE & POWER
UP = UTILITY POLE
VAOT = VERMONT AGENCY OF TRANSPORTATION
VT DEC = VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
VTRANS = VERMONT AGENCY OF TRANSPORTATION
BCC = BITUMINOUS CONCRETE CURB
VGC = VERTICAL GRANITE CURB
SGC = SLOPED GRANITE CURB
CCC = CAST-IN-PLACE CONCRETE CURB
PCC = PRECAST CONCRETE CURB
ICC = INTEGRAL CONCRETE CURB
RCC = REINFORCED CONCRETE CURB
BCP = BITUMINOUS CONCRETE PAVEMENT
GRV = GRAVEL DRIVE SURFACE
PCS = PORTLAND CEMENT CONCRETE SIDEWALK
BCS = BITUMINOUS CONCRETE SIDEWALK
CB = CATCH BASIN
DMH = DRAINAGE MANHOLE
SMH = SEWER MANHOLE
TOW = FINISHED SURFACE ELEVATION AT THE BACK OF THE WALL
BOW = FINISHED SURFACE ELEVATION AT THE FACE OF THE WALL

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PROGRESS PLANS NOT FOR CONSTRUCTION

REVISIONS

NUMBER	DATE	REVISION DESCRIPTION	BY

CLIENT NAME

COMMUNITY COLLEGE OF VERMONT

660 ELM STREET
MONTPELIER, VT

PROJECT NAME

CCV RETAINING WALL

660 ELM ST

MONTPELIER, VERMONT

SHEET TITLE

LEGEND & GENERAL NOTES

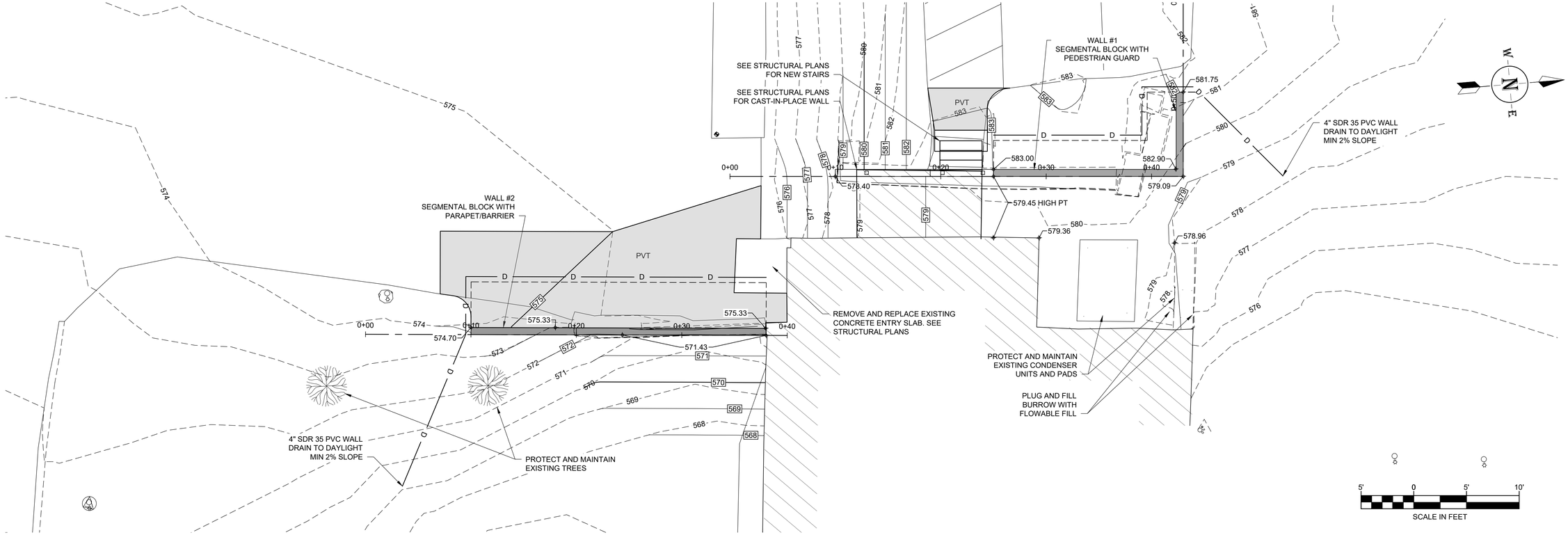
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DRAWN BY	CHECKED BY
NLS/JJS	BMLK

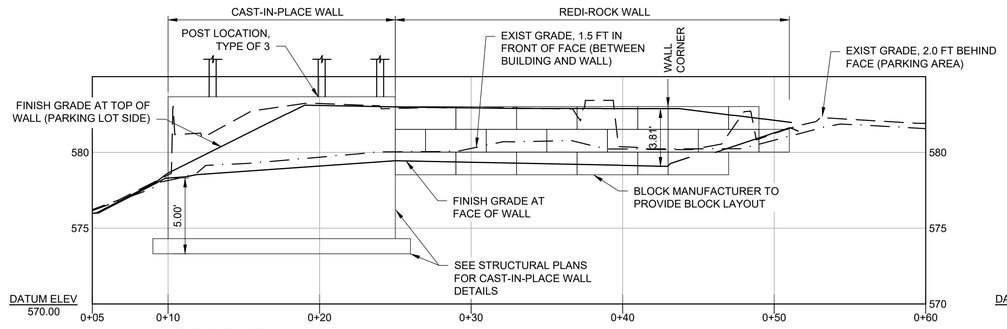
DATE
SEPTEMBER 30, 2026

SHEET NUMBER

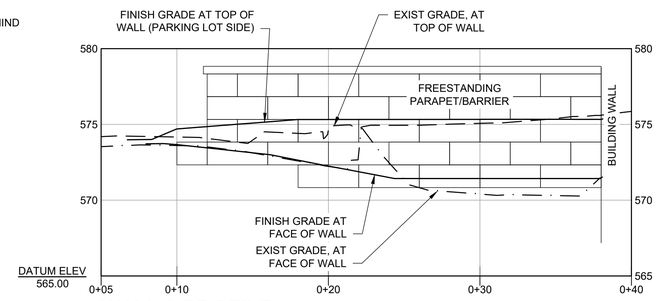
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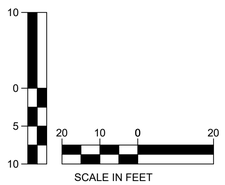




WALL 1 PROFILE



WALL 2 PROFILE



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PROGRESS PLANS NOT FOR CONSTRUCTION

REVISIONS

NUMBER	DATE	REVISION DESCRIPTION	BY

CLIENT NAME

COMMUNITY COLLEGE OF VERMONT

660 ELM STREET
MONTPELIER, VT

PROJECT NAME

CCV RETAINING WALL

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SHEET TITLE

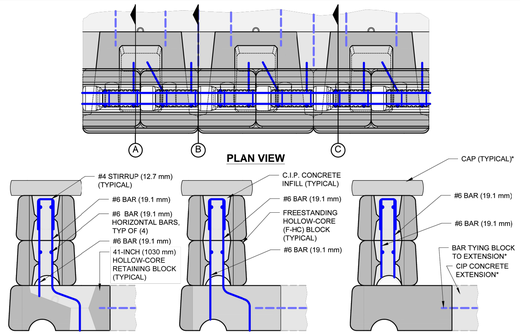
PLAN & PROFILES

D&K PROJECT #	PROJ. ENG.
26102	
DRAWN BY	CHECKED BY
NLS/JJS	BMLK

DATE
SEPTEMBER 30, 2026

SHEET NUMBER

C1.02



REINFORCING BAR SCHEDULE

NOTES:

1. DETAIL SHOWN REPRESENTS CONFIGURATION OF SAMPLE WALL TESTED IN ASTER BRANDS TEST FACILITY.
2. SAMPLE WALL EXHIBITED ULTIMATE STRUCTURAL CAPACITY GREATER THAN 63,000 LBS (282 kN) AT A HEIGHT OF 29 1/2 INCHES (750 mm), CONSISTENT WITH AASHTO TL-4 EQUIVALENT STATIC LOADING.
3. C.I.P. CONCRETE INFILL: 4000 psi (27.6 MPa) COMPRESSIVE STRENGTH, REINFORCING STEEL BARS: 60,000 PSI (410 MPa).
4. REFER TO TEST REPORT FOR MORE INFORMATION.
5. USER IS RESPONSIBLE FOR DETERMINING SUITABILITY FOR PROJECT USE.
6. THIS DETAIL IS SHOWN FOR REFERENCE ONLY. DESIGN BY A LICENSED ENGINEER IS REQUIRED.
7. DESIGN MUST ALSO CONSIDER OVERTURNING AND SLIDING RESISTANCE.
8. *CIP CONCRETE EXTENSION OR MOMENT SLAB MAY BE CAST AGAINST BLOCKS TO ADD OVERTURNING AND SLIDING RESISTANCE. TIE TO BLOCKS WITH REINFORCING STEEL, AS NEEDED. (NOT INCLUDED IN TEST.)

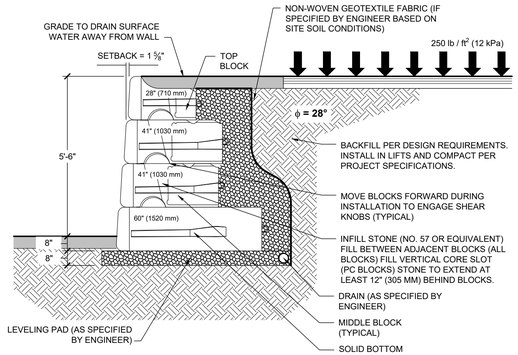
DRAWN BY: N. LINDWALL	TITLE: **F-HC FREESTANDING BLOCK PARAPET/BARRIER CONCEPT**	REDI ROCK
REVIEWED BY: D. HULA		2940 Parkview Dr., Petoskey, MI 49770
DATE: 08/26/2021		(866) 222-8400 ext 3010 • engineering@redi-rock.com
SHEET: 1 OF 1	FILE: F-HC _R-41HC_Parapet_Detail_082621.dwg	www.redi-rock.com

ϕ = 28° | SILTY SAND or CLAYEY SAND

LOAD CONDITION B | 250 lb/ft^2 (12 kPa) LIVE LOAD SURCHARGE, NO BACK SLOPE, NO TOE SLOPE

4 BLOCK HIGH SECTION
(1) 28" (710 mm) Block
(2) 41" (1030 mm) Blocks
(1) 60" (1520 mm) Block

PRELIMINARY
Professional Engineering Design Required for Construction

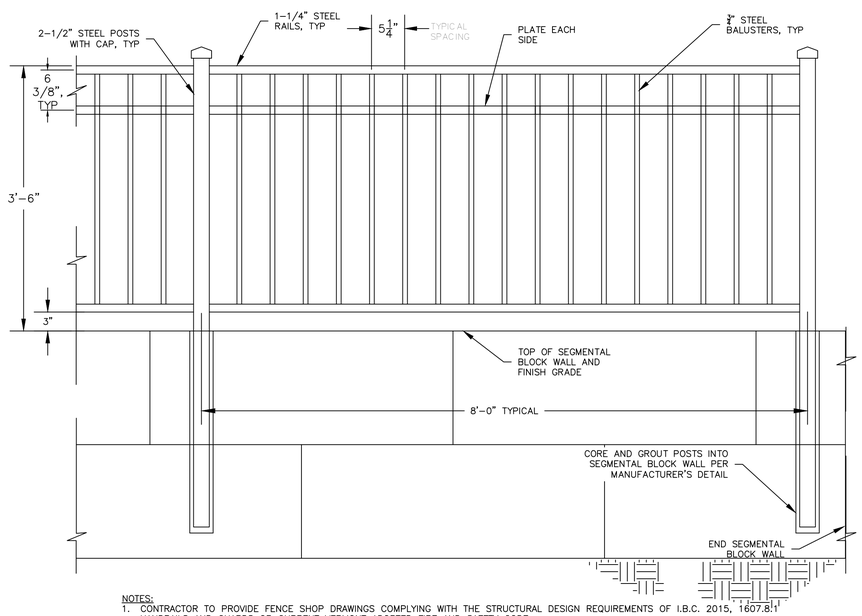


THIS DRAWING IS FOR REFERENCE ONLY. DETERMINATION OF THE SUITABILITY AND/OR MANNER OF USE OF ANY DETAILS CONTAINED IN THIS DOCUMENT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER OF RECORD. FINAL PROJECT DESIGNS, INCLUDING ALL CONSTRUCTION DETAILS, SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER USING THE ACTUAL CONDITIONS OF THE PROPOSED SITE. FINAL WALL DESIGN MUST ADDRESS BOTH INTERNAL AND EXTERNAL DRAINAGE AND ALL MODES OF WALL STABILITY.

Preliminary Wall Section
Silty Sand or Clayey Sand, ϕ = 28°
250 lb/ft^2 (12 kPa) Live Load Surcharge

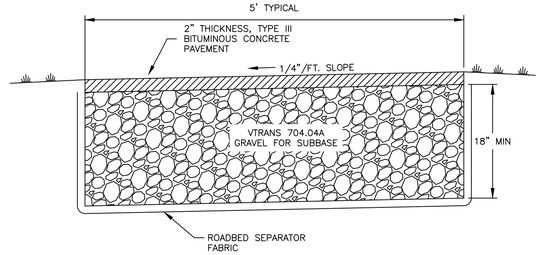
NOTE:

REDI ROCK DRAWINGS ARE PROVIDED TO ILLUSTRATE DESIGN INTENT ONLY. CONTRACTOR SHALL PROVIDE ENGINEERED SHOP DRAWINGS FOR EACH WALL PRIOR TO ORDERING, STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF VERMONT. WALLS MAY BE MANUFACTURED BY REDI ROCK OR APPROVED EQUAL.

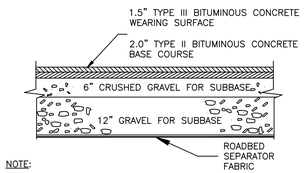


NOTES:
1. CONTRACTOR TO PROVIDE FENCE SHOP DRAWINGS COMPLYING WITH THE STRUCTURAL DESIGN REQUIREMENTS OF I.B.C. 2015, 1607.8.1 HANDRAILS AND GUARDS OR CURRENT VERMONT ADOPTED FIRE AND SAFETY CODE.
2. ALL FENCE STOCK INCLUDING POSTS, RAILS AND BALUSTERS TO BE BLACK POWDER COATED (COLOR TO MATCH EXISTING FENCE) STEEL.
3. STOCK SIZES SHOWN MAY BE ADJUSTED TO MEET STRUCTURAL LOADING REQUIREMENTS.
4. ALL PIPE AND ACCESSORIES TO BE HOT-DIPPED GALVANIZED PRIOR TO COATING.

PEDESTRIAN GUARD DETAIL
NOT TO SCALE



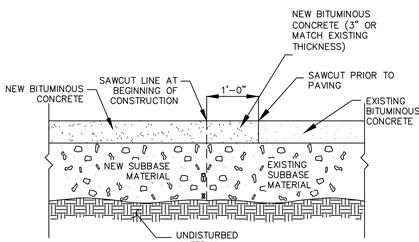
TYPICAL PAVED WALK
NOT TO SCALE



NOTE:

1. FINE DENSE GRADED CRUSHED STONE MAY BE SUBSTITUTED FOR BOTH GRAVEL FOR SUBBASE AND CRUSHED GRAVEL FOR SUBBASE.

TYPICAL COMMERCIAL PAVED PARKING LOT SECTION
NOT TO SCALE



PAVEMENT JOINT DETAIL
NOT TO SCALE

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PROGRESS PLANS NOT FOR CONSTRUCTION

REVISIONS

NUMBER	DATE	REVISION DESCRIPTION	BY

CLIENT NAME

COMMUNITY COLLEGE OF VERMONT

660 ELM STREET
MONTPELIER, VT

PROJECT NAME

CCV RETAINING WALL

660 ELM ST

MONTPELIER, VERMONT

SHEET TITLE

CONSTRUCTION DETAILS

D&K PROJECT #	PROJ. ENG.
26102	
DRAWN BY	CHECKED BY
NLS/JJS	BMLK

DATE
SEPTEMBER 30, 2026

SHEET NUMBER
C5.01

G:\Jobfiles\26102 CCV Montpelier Retaining Wall\Civil\Drawings\26102_SitePlan.dwg 9/30/2026 12:14 PM

GENERAL NOTES

1 GENERAL:

1.1 ALL WORK SHALL BE PERFORMED IN A FIRST CLASS MANNER, AND IN STRICT ACCORDANCE WITH THE "VERMONT FIRE & BUILDING SAFETY CODE – 2025" (WHICH INCORPORATES IBC 2021 WITH LATEST SUPPLEMENTS), AND LOCAL CODES AND ORDINANCES.

1.2 BEFORE ORDERING MATERIALS, CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS, INCLUDING ARCHITECTURAL, STRUCTURAL, CIVIL, LANDSCAPE, SUBCONTRACTORS SHOP DRAWINGS, AND OTHER RELATED DOCUMENTS, TO VERIFY AND COORDINATE DIMENSIONS, LOCATIONS, PLACEMENT, AND APPLICABILITY OF BUILDING COMPONENTS. THE CONTRACTOR SHALL MAKE FIELD CHECKS TO VERIFY THE ACCURACY OF DIMENSIONS, TOPOGRAPHY, AND OTHER EXISTING CONDITIONS. IF THERE IS ANY DISCREPANCY IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND THE ENGINEER AS SOON AS POSSIBLE.

1.3 SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS.

1.4 CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES, AND UTILITY LINES FROM ALL DAMAGE.

1.5 CONTRACTOR IS RESPONSIBLE FOR ADEQUATE BRACING OF STRUCTURAL MEMBERS, WALLS, AND NON–STRUCTURAL ITEMS DURING CONSTRUCTION.

1.6 BUILDING IS DESIGNED FOR THE FOLLOWING LIVE LOADS:

FLOOR LIVE LOADS:

STAIRS AND EXITWAYS	100 PSF

ROOF LIVE LOADS:

SNOW LOAD GOVERNS

ROOF SNOW LOADS:

GROUND SNOW LOAD, P_g	50 PSF
FLAT ROOF SNOW LOAD, P_f	42 PSF
SNOW EXPOSURE FACTOR, C_e	1.0
SNOW LOAD IMPORTANCE FACTOR, I_s	1.0
THERMAL FACTOR, C_t	1.2
ROOF SOLAR ALLOWANCE	5 PSF

WIND DESIGN DATA:

ULTIMATE WIND SPEED, V_{ult} (3 SECOND GUST)	108 MPH
NOMINAL DESIGN WIND SPEED, V_{asd}	84 MPH
RISK CATEGORY	II
WIND EXPOSURE	B
INTERNAL PRESSURE COEFFICIENT	0.18±
COMPONENTS AND CLADDING	15 PSF

1.7 THE CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMISSION TO THE ENGINEER; THUS, PROVIDING ANY INFORMATION REQUIRED OF THE FABRICATOR SUCH AS FIELD DIMENSIONS, ELEVATIONS, ETC. OTHERWISE THE SHOP DRAWINGS WILL BE REJECTED UNTIL SUCH INFORMATION IS FURNISHED BY THE CONTRACTOR.

1.8 THE CONTRACTOR SHALL THOROUGHLY CLEAN THE PREMISES AT COMPLETION OF WORK AND AT TIMES AS DIRECTED BY THE OWNER. LEGALLY DISPOSE OF EXCESS MATERIAL OFF SITE.

1.9 JOB–SITE SAFETY CONDITIONS, INCLUDING, BUT NOT LIMITED TO, LATERAL STABILITY AND WIND BRACING, SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

1.10 SURFACE DRAINAGE SHALL BE DIRECTED AWAY FROM THE BUILDING. CONTRACTOR IS RESPONSIBLE FOR FOUNDATION DRAINS, CURTAIN DRAINS, WEEP HOLES, WATER STOPS, AND WATERPROOFING AS SHOWN AND AS NECESSARY. DRAIN LINES OR WEEP HOLES, IF SHOWN ON THIS PLAN, SERVE ONLY AS A REMINDER.

2 SOILS/GEOTECHNICAL:

2.1 ALL FOOTINGS SHALL BEAR ON UNDISTURBED NATIVE SOIL HAVING A MINIMUM BEARING CAPACITY OF 3,000 PSF, OR ON WELL COMPACTED STRUCTURAL FILL PLACED IN A CONTROLLED MANNER AS SPECIFIED, OR ON SOUND LEVEL ROCK. IT IS ASSUMED THAT THIS WILL BE ATTAINED AT A MINIMUM DEPTH OF 5'–0" BELOW FINISHED EXTERIOR GRADE OR AT THE ELEVATION NOTED ON THE PLANS – LOWER AS NECESSARY. NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS ENCOUNTERED.

2.2 THE NATIVE SOIL BELOW ALL FOOTINGS SHALL BE PROOF–ROLLED.

2.3 ALL FILL MATERIAL PLACED WITHIN THE STRUCTURE FOOTPRINT AND EXTENDING OUT 5'–0" MINIMUM BEYOND THE STRUCTURE PERIMETER SHALL BE WELL COMPACTED, FREE DRAINING, STRUCTURAL FILL.

2.4 STRUCTURAL FILL SHALL BE CLEAN, NON–FROST SUSCEPTIBLE SAND AND GRAVEL FREE OF ORGANICS AND OTHER DELETERIOUS MATERIALS MEETING THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT FINER BY WEIGHT
3 INCH	100
NO. 4	45 TO 75
NO. 100	0 TO 12
NO. 200	0 TO 6

2.5 ALL STRUCTURAL FILL SHALL BE PLACED IN HORIZONTAL LIFTS NOT EXCEEDING 8" IN THICKNESS AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 1557–12.

2.6 THE CONCRETE SLAB ON GRADE SHALL BE PLACED ON A 24" MINIMUM THICKNESS COMPACTED CRUSHED STONE BASE.

2.7 CRUSHED STONE SHALL BE CRUSHED, WASHED, HARD, DURABLE ROCK MEETING THE GRADATION REQUIREMENTS FOR ASTM D448–12, NO. 67 STONE.

3 CONCRETE:

3.1 ALL CONCRETE AND REINFORCING WORK SHALL BE IN STRICT ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318_19)". EXTERIOR CONCRETE AND FOUNDATION WALLS SHALL BE AIR–ENTRAINED WITH AIR CONTENT OF 6% ± 1.5%. REINFORCED EXTERIOR SLAB CONCRETE SHALL HAVE A CORROSION INHIBITIVE ADMIXTURE. SLAB CONCRETE AND EXTERIOR SIDEWALK CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. ALL REMAINING CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. SUBMIT CONCRETE MIX DESIGN FOLLOWING PROCEDURES OUTLINED IN ACI PRC–211.5–14 GUIDE FOR SUBMITTAL OF CONCRETE PROPORTIONS FOR REVIEW BY ENGINEER. CONTRACTOR SHALL TAKE 4 TEST CYLINDERS OF CONCRETE FOR EACH 50 CUBIC YARDS OF CONCRETE OR FOR EACH DAYS POUR IF LESS THAN 50 C.Y. TESTING WILL BE AT OWNER'S EXPENSE.

3.2 MAXIMUM W/C RATIOS AS FOLLOWS:
4000 psi CONCRETE: 0.45
3000 psi CONCRETE: 0.55

3.3 USE A PLASTICIZER ADDITIVE FOR SLAB ON GRADE CONCRETE. PROVIDE THE STANDARD MIX, EXCEPT THE SLUMP BEFORE ADDING THE PLASTICIZER SHALL BE 2" +OR– 1". SLUMP SHALL NOT EXCEED 6". DO NOT EXCEED SPECIFIED WATER CEMENT RATIOS.

3.4 ALL SLAB WORK SHALL BE COMPLETED UNDER THE DIRECT SUPERVISION OF AN ACI CERTIFIED FLATWORKER (NO EXCEPTIONS).

3.5 CONCRETE SLAB WORK SHALL BE PERFORMED IN ACCORDANCE WITH "RECOMMENDED PRACTICE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (ACI 302.1 R_15). EXTERIOR SLAB FINISH SHALL BE BROOM FINISHED, U.O.N. WHERE "C.J." IS INDICATED ON THE PLAN IT SHALL BE A SAW–CUT CONTROL JOINT 1–1/4" DEEP MADE AS SOON AS SLAB CAN BE CUT WITHOUT UNRAVELING THE AGGREGATE, BUT IN NO CASE LATER THAN 12 HOURS AFTER FINISHING. WET CURE SLAB USING BURLAP COVER FOR A MINIMUM OF 7 DAYS. AFTER COMPLETION OF WET CURING APPLY A LIQUID MEMBRANE CURING, SEALING, AND HARDENING COMPOUND (CONFORMING TO CURRENT "STANDARD SPECIFICATIONS FOR LIQUID MEMBRANE – FORMING COMPOUNDS FOR CURING CONCRETE, ASTM C309) IMMEDIATELY AFTER FINISHING. VERIFY COMPATIBILITY OF CURING COMPOUND WITH FINISH FLOOR PRIOR TO APPLICATION.

3.6 CONCRETE SHALL BE PROTECTED FROM FREEZING. CONTRACTOR SHALL FOLLOW THE "RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING (ACI 306, LATEST EDITION).

3.7 ALL CONCRETE SHALL BE PLACED IN THE DRY – PUMP AS NECESSARY.

3.8 CONCRETE SHALL BE SO PROPORTIONED SO AS TO HAVE A MAXIMUM SLUMP OF 4", EXCEPT CONCRETE SPECIFIED TO HAVE A PLASTICIZER SHALL HAVE A SLUMP OF 2" +OR– 1".

3.9 THE CONCRETE CONTRACTOR SHALL INSTALL (OR GIVE OTHER TRADES AMPLE OPPORTUNITY TO INSTALL) ALL ANCHOR BOLTS, ANCHORS, PLATES, NAILERS, SLOTS, CHASES, PIPE SLEEVES, DUCT OPENINGS, ETC., AS REQUIRED BY OTHER TRADES. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE SETTING SCREEDS AND FORMS. FORM RELEASE OIL SHALL BE AN APPROVED NON–TOXIC LIQUID.

3.10 CHAMFER EDGES OF EXPOSED BEAMS AND COLUMNS.

3.11 CURING: HORIZONTAL SURFACES SHALL BE KEPT CONTINUOUSLY MOIST OVER ENTIRE SURFACE FOR SEVEN DAYS WHEN WATER CURING IS USED. VERTICAL SURFACES SHALL RECEIVE 2 COATS (ONE AT TIME OF STRIPPING AND ANOTHER 3 DAY LATER) OF AN APPROVED NON–TOXIC LIQUID CURING COMPOUND.

3.12 ALL WALLS SHALL BE ADEQUATELY BRACED TO WITHSTAND BACKFILLING AND CONSTRUCTION LOAD PRESSURES. WALLS MUST BE AT LEAST SEVEN DAYS OLD BEFORE BACKFILLING.

3.13 DURING PLACEMENT OF CONCRETE, USE TREMIE OR OTHER MEANS TO LIMIT FREE–FALL OF CONCRETE TO 5 FEET.

3.14 CONCRETE SHALL BE CONSOLIDATED BY VIBRATION, SPADING, OR RODDING SO THE CONCRETE IS THOROUGHLY WORKED AROUND THE REINFORCEMENT, EMBEDDED ITEMS, AND INTO CORNERS OF FORMS, ELIMINATING ALL AIR OR STONE POCKETS WHICH MAY CAUSE HONEYCOMBING. (CARE SHALL BE TAKEN NOT TO OVER VIBRATE AND CAUSE SEGREGATION).

4 REINFORCING STEEL:

4.1 REINFORCING STEEL SHALL BE NEW BILLET STEEL, ASTM A615–15ae1, Fy=60 KSI. SUBMIT SHOP DRAWINGS FOR REVIEW OF ENGINEER.

4.2 THE MINIMUM CLEAR DISTANCE FROM REINF. STEEL TO ADJACENT SURFACE SHALL BE: 3" FROM BOT. OF FOOTINGS AND GRADE BEAMS; 1_1/2" (2" FOR #6 OR LARGER) FROM FACE OF WALLS AND GRADE BEAMS EXPOSED TO EARTH OR WEATHER, 3/4" FROM INSIDE FACE; AND 2" FOR SLAB ON GRADE.

4.3 LAP ALL BARS AS SHOWN IN THE LAP SCHEDULE. TOP BARS TO BE LAPPED AT MIDSPAN, AND BOTTOM BARS AT SUPPORTS.

4.4 REINFORCEMENT SHALL BE SECURELY TIED IN ITS PROPER PLACE BEFORE AND DURING CONCRETE PLACEMENT OPERATIONS USING APPROVED TIES, CHAIRS, AND SPACERS AS REQUIRED. NO BARS SHALL BE CUT OR OMITTED IN THE FIELD WITHOUT THE APPROVAL OF THE ENGINEER. USE PLASTIC TIPPED ACCESSORIES IN CONCRETE EXPOSED TO WEATHER, WATER, OR VIEW.

4.5 WHERE CONTINUOUS BARS ARE CALLED FOR, INDICATED OR OTHERWISE REQUIRED THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS, DOWELED INTO INTERSECTING WALLS AND LAPPED AT NECESSARY SPLICES WITH SPLICES STAGGERED WHEREVER POSSIBLE.

5 CONCRETE ACCESSORIES

5.1 CAST–IN–PLACE ANCHOR RODS SHALL BE MADE FROM ASTM F1554, GRADE 36 MATERIAL UNLESS OTHERWISE NOTED. ANCHOR ROD DIAMETERS, MINIMUM EMBEDMENT LENGTHS AND PROJECTION LENGTHS SHALL BE AS SPECIFIED ON THE DRAWINGS.

5.2 POST–INSTALLED ANCHOR RODS (ALLOWED ONLY WHERE NOTED ON THE DRAWINGS) SHALL BE MADE FROM ASTM A36 MATERIAL UNLESS OTHERWISE NOTED. ANCHOR ROD DIAMETERS, MINIMUM EMBEDMENT LENGTHS AND PROJECTION LENGTHS SHALL BE AS SPECIFIED ON THE DRAWINGS. RODS SHALL BE ATTACHED TO THE CONCRETE WITH HILTI HIT–RE 500–V3 EPOXY ADHESIVE. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

6 WOOD FRAMING:

6.1 WOOD FRAMING WORK SHALL BE IN ACCORDANCE WITH STATE CODE WHICH INCORPORATES ANSI/AWC NDS–2018, "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION, ALONG WITH 2018 SUPPLEMENT" PRODUCED BY THE AMERICAN WOOD COUNCIL. ALL LUMBER SHALL BE AGENCY GRADE STAMPED OF THE SPECIES AND GRADE INDICATED IN THE PROJECT SPECIFICATIONS OR HEREIN.

6.2 FRAMING SAWN LUMBER SHALL BE SPRUCE–PINE–FIR NO. 1/NO.2 AND/OR SOUTHERN PINE NO. 1. NO MIXTURE OF LOWER GRADES WITHIN THE SPECIES WILL BE ALLOWED. SAWN LUMBER SHALL BE KILN DRIED TO 19% MOISTURE CONTENT.

6.3 NAIL 2–MEMBER BEAMS WITH 1 ROW OF 16d AT 12" O.C. FOR EVERY 3" OF MEMBER DEPTH, AND 3–MEMBER BEAMS WITH 1 ROWS OF 16d @ 12" ON EACH SIDE FOR EVERY 3" OF MEMBER DEPTH.

6.4 UNLESS OTHERWISE SHOWN ON THE DRAWINGS, CONNECTIONS SHALL BE COMPLETED BY THE FABRICATOR FOR THE REACTIONS INDICATED THUS ON THE DRAWINGS. CONNECTIONS SHALL BE DESIGNED AND SEALED BY A LICENSED STRUCTURAL ENGINEER. SUBMIT DETAILS FOR APPROVAL OF THE ARCHITECT.

6.5 CONNECTION MATERIAL, BOLTS, NUTS, AND WASHERS EXPOSED TO WEATHER OR IN CONTACT WITH PRESSURE–TREATED LUMBER SHALL BE HOT–DIPPED GALVANIZED. EXTERIOR SIMPSON PRODUCTS IN CONTACT WITH PRESSURE TREATED MATERIALS SHALL BE Z MAX COATED. ALL OTHER CONNECTIONS SHALL BE PRIME PAINTED.

6.6 COLUMNS SHALL BE CONTINUOUS.

6.7 UNLESS OTHERWISE NOTED, THE MINIMUM NAILING SHALL BE IN ACCORDANCE WITH THE "FASTENING SCHEDULE", TABLE 2304.10.1 OF THE STATE CODE.

6.8 ALL JOISTS FRAMING INTO BEAMS OR COLUMNS SHALL BE SUPPORTED ON CODE APPROVED METAL HANGERS. NAILING SHALL BE PER MANUFACTURER'S SPECIFICATIONS.

6.9 CONTRACTOR SHALL TAKE EXTRA CARE TO ASSURE THAT UPPER LEVEL LOAD BEARING WALLS AND POSTS CAN TRANSFER THEIR LOADS TO THE SUPPORTS DIRECTLY BELOW THEM. (INSTALL ALL BLOCKING OR STUB COLUMNS BELOW FLOOR DECKING.)

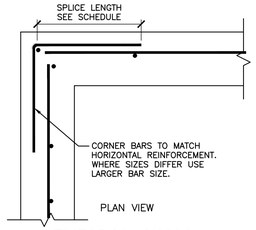
6.10 ALL CEILING, BEAM, AND PLATE HEIGHTS SHOWN ON THESE PLANS ARE NOMINAL AND APPROXIMATE DIMENSIONS. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL OF THE DIMENSIONS AND TO DETERMINE THE EXACT HEIGHTS AND LOCATIONS OF ALL BUILDING COMPONENTS.

7 STRUCTURAL PANELS

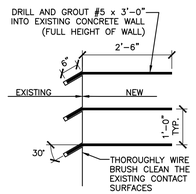
7.1 ALL ROOF PANELS SHALL BE 5/8" APA RATED 40/20 PLYWOOD OR "ADVANTECH" SHEATHING. NAIL ALL PLYWOOD EDGES WITH 10d COMMON NAILS AT 6" O.C. UNLESS OTHERWISE NOTED IN SHEAR WALL SCHEDULE. INTERMEDIATE NAILING SHALL BE 10d COMMON NAILS AT 10" O.C. MINIMUM.

7.2 WHERE ROOF SHEATHING IS NOT TONGUE AND GROOVE OR HAS A CUT EDGE PROVIDE BLOCKING OR "H" CLIPS AT ALL UNSUPPORTED SHEATHING EDGES AND WHERE FRAMING IS SPACED AT 2'–0" CENTERS.

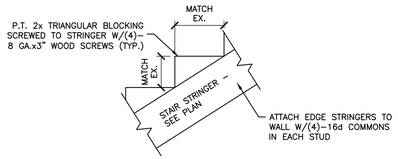
7.3 ALL WALL PANELS SHALL BE 1/2" APA RATED 24/0 EXTERIOR PLYWOOD OR "ADVANTECH" SHEATHING. NAIL ALL PLYWOOD EDGES WITH 8d COMMON NAILS AT 6" O.C. UNLESS OTHERWISE NOTED IN SHEAR WALL SCHEDULE. INTERMEDIATE NAILING SHALL BE 8d COMMON NAILS AT 12" O.C. MINIMUM.



TYPICAL WALL CORNER DETAIL
SCALE: N.T.S.



TYPICAL DETAIL
WHERE NEW CONCRETE WALL MEETS EXISTING NOT TO SCALE



TYPICAL STAIR DETAIL (4 / S1.0)
SCALE: 3/4"=1'–0"

PROGRESS SET
NOT FOR
CONSTRUCTION

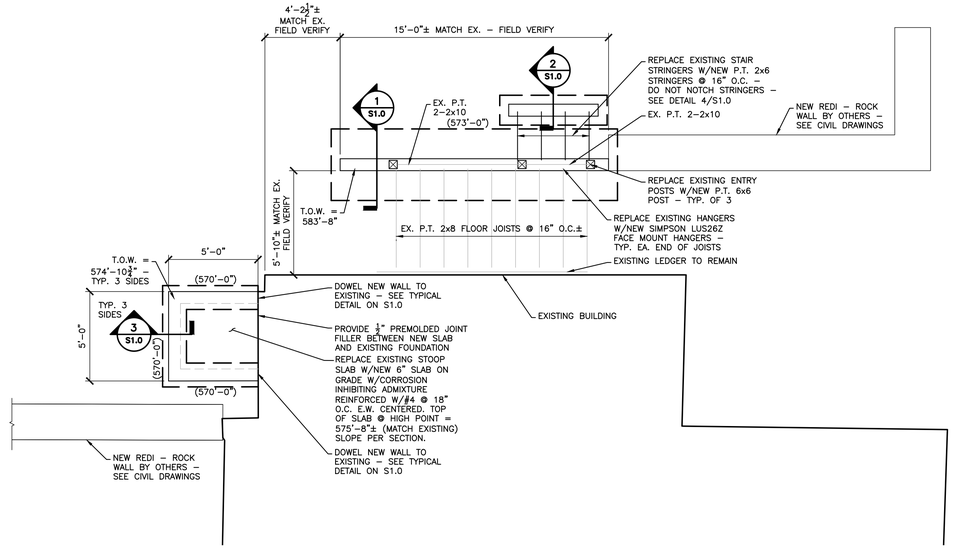
REINFORCING SPLICE LENGTHS

Fy=60 KSI	f'c=3 KSI		f'c=4 KSI	
BAR	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
3	17"	13"	15"	12"
4	23"	18"	20"	15"
5	28"	22"	25"	19"
6	34"	26"	29"	23"
7	49"	38"	43"	33"
8	56"	43"	49"	37"
9	63"	48"	55"	42"

CHART BASED ON THE FOLLOWING:
BAR SPACING 5" MINIMUM
CLEAR COVER 2 BAR DIAMETERS MINIMUM
REFER TO ACI 318–14 FOR OTHER CONDITIONS
TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE BAR.

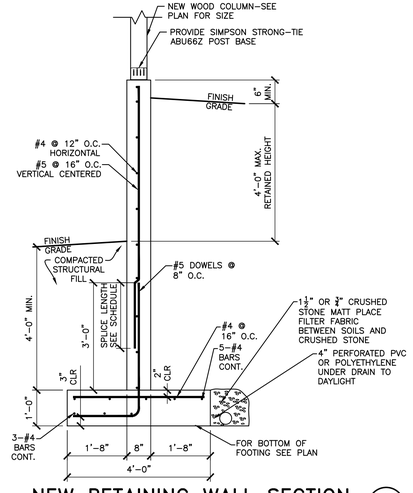
ABBREVIATIONS

T.O.S.	TOP OF SLAB	CONT.	CONTINUOUS
EL.	ELEVATION	NTS.	NOT TO SCALE
DIM.	DIMENSION	TYP.	TYPICAL
T.O.W.	TOP OF WALL	F.D.	FLOOR DRAIN
T.O.SH.	TOP OF SHELF	℄	CENTERLINE
F.O.C.	FACE OF CONCRETE	DIA.	DIAMETER
E.O.D.	EDGE OF DECK	DWL.	DOWEL
E.O.S.	EDGE OF SLAB	CL.	CLEAR
T.C.X.	TOP CHORD EXTENSION	LLV	LONG LEG VERTICAL
E.F.	EACH FACE	LLH	LONG LEG HORIZONTAL
E.W.	EACH WAY	DWGS.	DRAWINGS
U.O.N.	UNLESS OTHERWISE NOTED	LG	LIGHT GAUGE
C.J.	SLAB CONTROL JOINT		

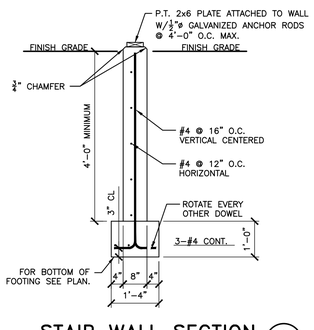


FOUNDATION PLAN
SCALE: 1/4"=1'–0"

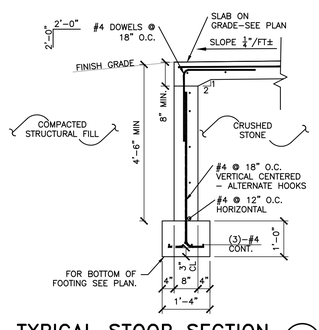
1. DESIGN SOIL BEARING PRESSURE 3,000 PSF. NOTIFY ENGINEER IF UNSUITABLE MATERIAL IS ENCOUNTERED.
2. ALL CONCRETE EXCEPT SLAB CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. SLAB CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
3. ALL FILL, BACKFILL AND BASE MATERIAL SHALL BE COMPACTED IN 8" LIFTS TO 95% OF IT'S MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D1557 (MODIFIED PROCTOR).
4. (???'–??") INDICATES BOTTOM OF FOOTING ELEVATION. SLAB THICKNESSES SHOWN ARE MINIMUMS.
5. DIMENSIONS SHOWN ON THIS PLAN ARE TO FACE OF CONCRETE. U.O.N.



NEW RETAINING WALL SECTION (1 / S1.0)
SCALE: 1/2"=1'–0"



STAIR WALL SECTION (2 / 1.0)
SCALE: 1/2"=1'–0"



TYPICAL STOOP SECTION (3 / S1.0)
SCALE: 1/2"=1'–0"

DeWolfe ENGINEERING
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317 River St., P.O. Box 1576, Montpelier, VT 05601-1576

no.	date	revision
1		

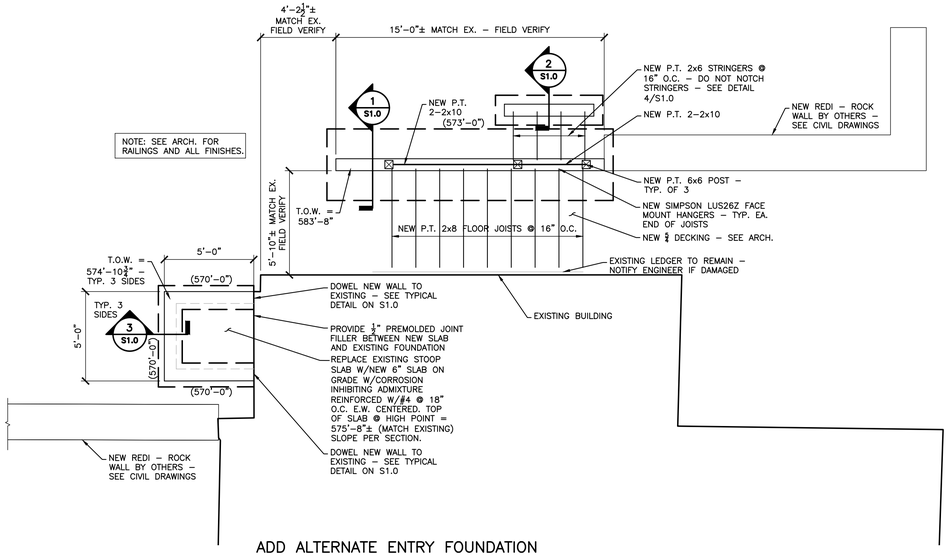
project name: CCV RETAINING WALL REPLACEMENT
project location: 660 ELM STREET MONTPELIER, VERMONT
client: COMMUNITY COLLEGE OF VERMONT

project number:	26102
drawn by:	KLA
checked by:	NDC
scale:	AS NOTED
date:	16 OCTOBER, 2026
released for:	PROGRESS

sheet description: GENERAL NOTES, FDN PLAN & DETAILS

S1.0

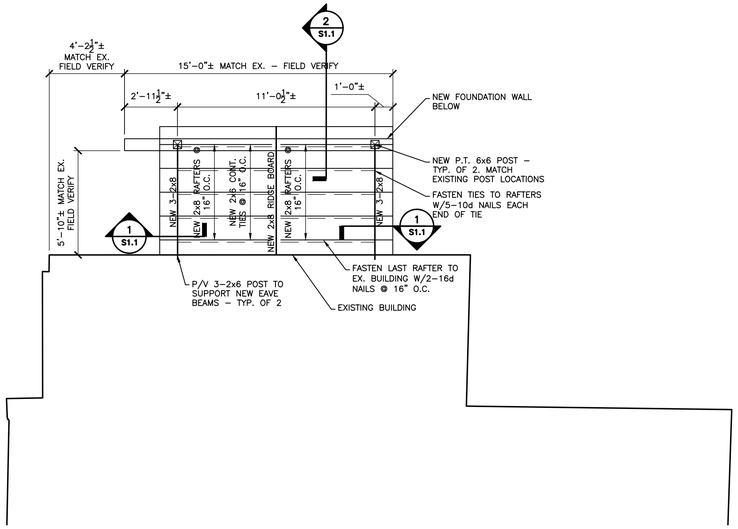
PROGRESS SET
NOT FOR
CONSTRUCTION



ADD ALTERNATE ENTRY FOUNDATION AND FRAMING PLAN

SCALE: ¼"=1'-0"

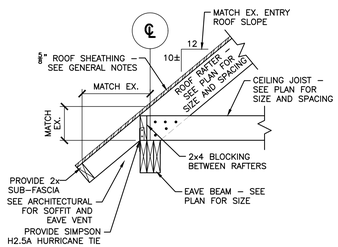
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4. (???'–??") INDICATES BOTTOM OF FOOTING ELEVATION. SLAB THICKNESSES SHOWN ARE MINIMUMS.
5. DIMENSIONS SHOWN ON THIS PLAN ARE TO FACE OF CONCRETE. U.O.N.
6. TOP OF SUBFLOOR = MATCH EXISTING UNLESS OTHERWISE NOTED.
7. BEAMS SHOWN SUPPORT THE ENTRY FLOOR.
8. FOR FLOOR DECKING – SEE ARCH.



ADD ALTERNATE ENTRY ROOF FRAMING PLAN

SCALE: ¼"=1'-0"

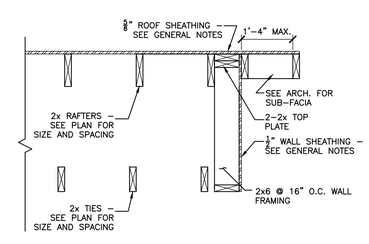
1. TOP OF PLATE ELEVATION AT TYPICAL EAVE = SEE ARCH.
2. FOR ROOF SHEATHING – SEE GENERAL NOTES.
3. BEAMS SHOWN SUPPORT THE ENTRY ROOF STRUCTURE.



EAVE SECTION @ ENTRY

SCALE: ¾"=1'-0"

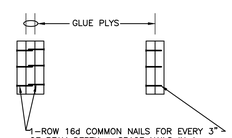
1 S1.1



ENTRY GABLE END SECTION

SCALE ¾"=1'-0"

2 S1.1



NOTE: UNLESS OTHERWISE NOTED EVERY PLY OF MULTI-PLY MEMBERS SHALL BE CONTINUOUS TO SUPPORTS

TYPICAL MULTI-PLY MEMBER NAILING

NOT TO SCALE

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released for:	

sheet description: ADD ALT. FDN & ROOF FRAMING PLANS

S1.1