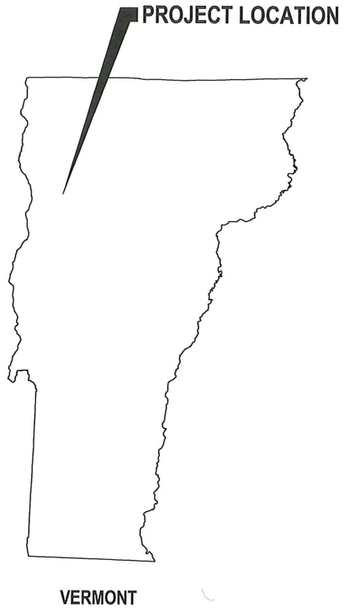
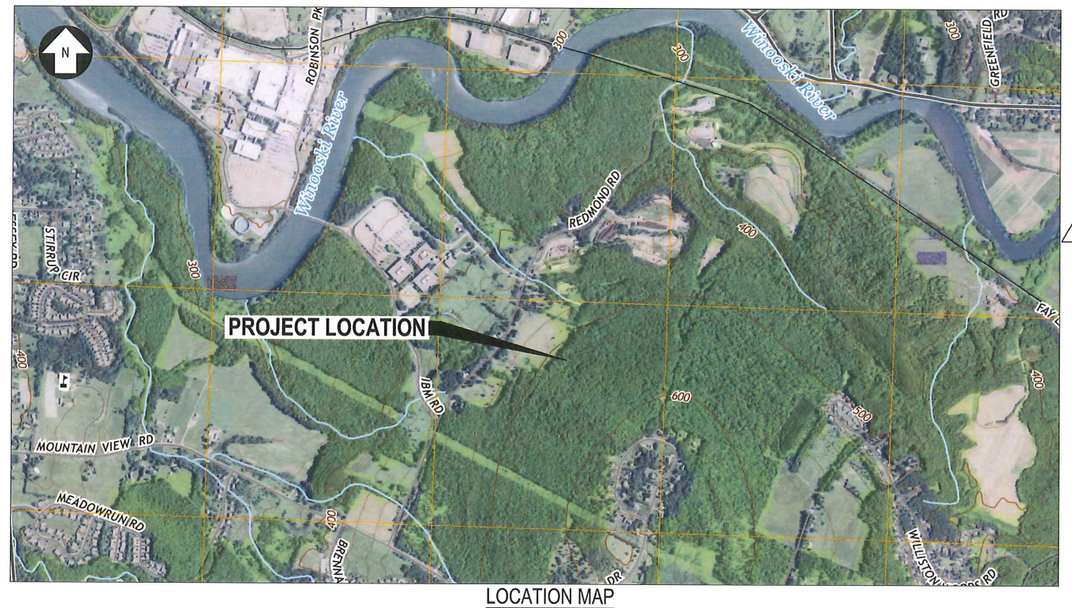
REDMOND ROAD STORAGE FACILITY

TOWN OF WILLISTON
CHITTENDEN COUNTY
VERMONT





LOCATION MAP
SCALE: 1"=1000'

DRAWING INDEX

C-0 COVER SHEET / LOCATION MAP / DWG INDEX
C-1 SPECIFICATIONS & LEGEND
C-2 EXISTING CONDITIONS & GRUBBING PLAN
1 C-3 GRADING & DRAINAGE PLAN
C-4 ROADWAY PLAN & PROFILES
C-5 EROSION PREVENTION & SEDIMENT CONTROL PRECONSTRUCTION PLAN
C-6 EROSION PREVENTION & SEDIMENT CONTROL CONSTRUCTION PLAN
C-7 EROSION PREVENTION & SEDIMENT CONTROL STABILIZATION PLAN
C-8 SECTIONS & DETAILS I
C-9 SECTIONS & DETAILS II
C-10 SECTIONS & DETAILS III
C-11 EROSION CONTROL DETAILS I
C-12 EROSION CONTROL DETAILS II
1 C-13 YARD PLAN
C-14 EXTERIOR LIGHTING DETAILS
1 C-15 YARD ELEVATION

APPLICANT:

vermont electric power company
VELCO

VERMONT ELECTRIC POWER COMPANY

366 PINNACLE RIDGE ROAD
RUTLAND, VT 05701

PREPARED BY:

TRC
Results you can rely on

249 WESTERN AVENUE
AUGUSTA, ME 04330

RECEIVED
OCT 05 2018
PLANNING/ZONING

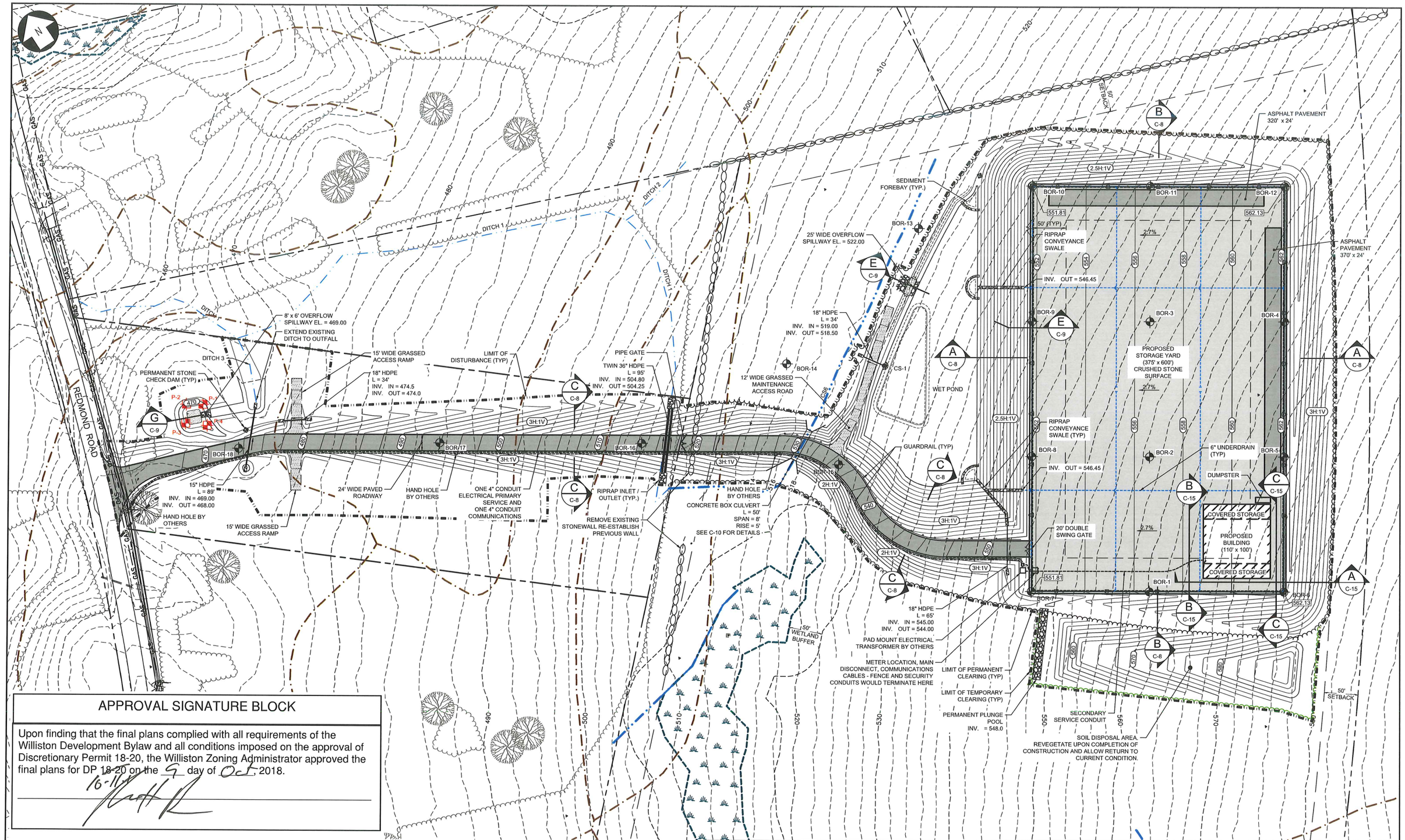
APPROVAL SIGNATURE BLOCK

Upon finding that the final plans complied with all requirements of the Williston Development Bylaw and all conditions imposed on the approval of Discretionary Permit 18-20, the Williston Zoning Administrator approved the final plans for DP ~~18-20~~ 16-11.1 on the 9 day of Oct, 2018.

Matt Boland

ISSUE FOR PERMIT
MAY 31, 2017

REV	DESCRIPTION	DATE	DES	CHK	APP
1	ISSUED FOR PERMIT - REVISED BUILDING	05/31/17	CMW	RAY	RAY
0	ISSUED FOR CONSTRUCTION	11/27/17	CMW	PMM	RAY



APPROVAL SIGNATURE BLOCK

Upon finding that the final plans complied with all requirements of the Williston Development Bylaw and all conditions imposed on the approval of Discretionary Permit 18-20, the Williston Zoning Administrator approved the final plans for DP 18-20 on the 9 day of Oct, 2018.

10-11

60 0 60 120 FT

SCALE: 1"=60'

NOTE:
THIS DRAWING SHOWS THE GENERAL ARRANGEMENT, SIZE, LOCATION AND COLORS OF THE REVISED STORAGE BUILDING. THE CONSTRUCTION DETAILS FOR THE STORAGE BUILDING WILL BE PROVIDED BY OTHERS.

NOTE
SEE EROSION PREVENTION & SEDIMENT CONTROL STABILIZATION PLAN FOR LIMITS OF RIPRAP AND PERMANENT STABILIZATION.

ISSUE FOR PERMIT
NOT FOR CONSTRUCTION

TRC
249 WESTERN AVENUE
AUGUSTA, ME 04330

PROJECT NO: 239919

REV	DESCRIPTION	DATE	DES	CHK	APP
1	ISSUED FOR PERMIT - REVISED BUILDING	05/31/18	CMW	RAY	RAY
0	ISSUED FOR CONSTRUCTION	02/28/17	CMW	PMM	RAY

CMW DESIGNED
CMW DRAWN
PMM CHECKED
RAY APPROVED
REVIEW 1
REVIEW 2

10/28/15 DATE
AS NOTED SCALE

GRADING & DRAINAGE PLAN
VELCO
REDMOND ROAD STORAGE FACILITY

WILLISTON VT

TRC

C-3

REV. 0

75' (TYP)
LIGHT FIXTURES
ARE EQUIDISTANT
ALONG EACH SIDE
OF THE FENCE

POLE STORAGE BUNK (TYP)

SECURITY POLE - MAX.
HEIGHT OF 30'

SECURITY POLE - MAX.
HEIGHT OF 30'

2" CONDUIT FOR
PERIMETER LIGHTING

2" CONDUIT FOR SECURITY

LIGHT FIXTURES ARE
FACING INWARD TOWARDS
STORAGE AREA ONLY, TYP

19+00
20+00
21+00
22+00
23+00
24+00
25+00
26+00

HAND HOLE
BY OTHERS

COVERED STORAGE
22'
20'
PROPOSED
BUILDING
(110' x 100')
110'
22'
COVERED STORAGE
20'
100'

BOLLARD
(TYP OF 6)

CONDUIT WORK BY BELOW GRADE
CONTRACTOR, INCLUDING FENCE
GROUNDING. OTHER ELECTRICAL
AND COMMUNICATIONS WORK
DONE BY OTHERS

ONE 4" CONDUIT
ELECTRICAL PRIMARY
SERVICE AND
ONE 4" CONDUIT
COMMUNICATIONS

CONCRETE PAD AND POWER PAD MOUNT
TRANSFORMER BY OTHERS

METER PANEL AND CONTROL BOXES BY OTHERS

TERMINATE YARD LIGHTING AND
SECURITY CONDUITS

ONE 4" CONDUIT SECONDARY
SERVICE

APPROVAL SIGNATURE BLOCK

Upon finding that the final plans complied with all requirements of the Williston Development Bylaw and all conditions imposed on the approval of Discretionary Permit 18-20, the Williston Zoning Administrator approved the final plans for DP 18-20 on the 16 day of October 2018.

16-11. Matt Delaney

NOTE:
THIS DRAWING SHOWS THE GENERAL ARRANGEMENT, SIZE, LOCATION AND COLORS OF THE REVISED STORAGE BUILDING. THE CONSTRUCTION DETAILS FOR THE STORAGE BUILDING WILL BE PROVIDED BY OTHERS.

ISSUE FOR PERMIT
NOT FOR CONSTRUCTION

TRC
249 WESTERN AVENUE
AUGUSTA, ME 04330

PROJECT NO: 239919

REV	DESCRIPTION	DATE	DES	CHK	APP
2	ISSUED FOR PERMIT - REVISED BUILDING	05/31/18	CMW	RAY	RAY
A	ISSUED FOR CONSTRUCTION	03/24/17	CMW	PMM	RAY
0	ISSUED FOR CONSTRUCTION	02/28/17	CMW	PMM	RAY

CMW DESIGNED
CMW DRAWN
PMM CHECKED
RAY APPROVED
REVIEW 1
REVIEW 2

YARD PLAN
VELCO
REDMOND ROAD STORAGE FACILITY

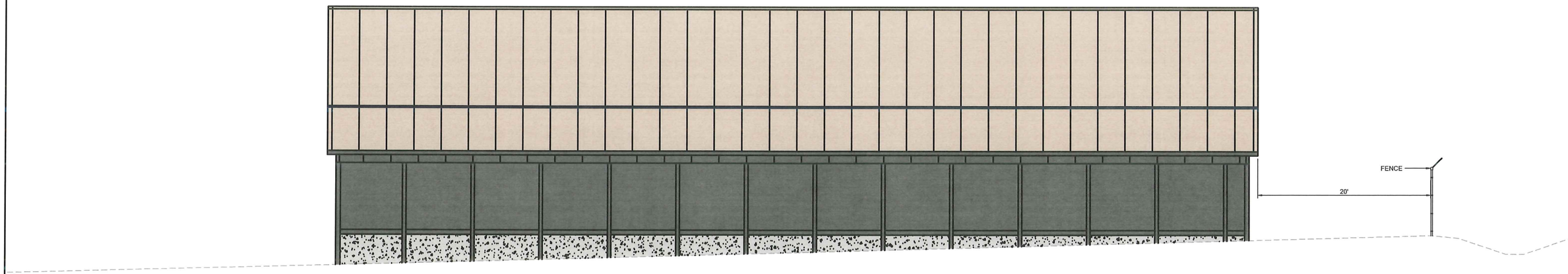
WILLISTON VT

10/28/15 DATE
AS NOTED SCALE

TRC

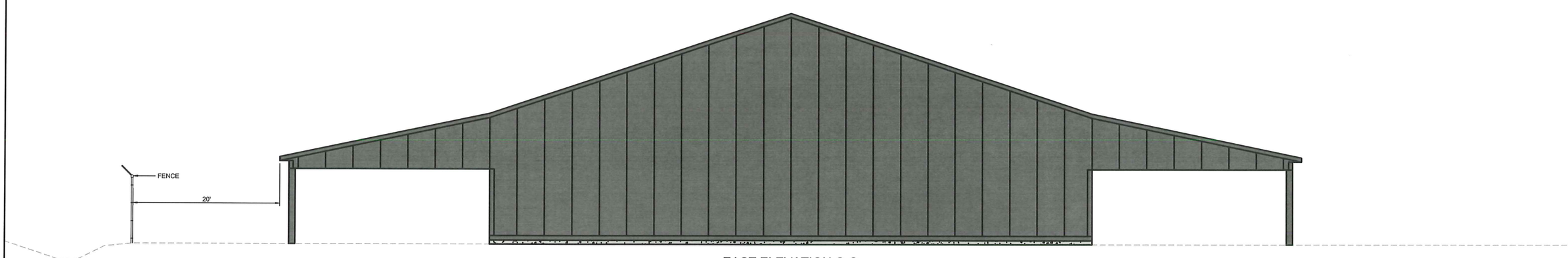
C-13

REV. 2



SOUTH ELEVATION A-A
N.T.S.

WEST ELEVATION B-B
N.T.S.



EAST ELEVATION C-C
N.T.S.

NOTE:
THIS DRAWING SHOWS THE GENERAL ARRANGEMENT, SIZE, LOCATION AND COLORS OF THE REVISED STORAGE BUILDING. THE CONSTRUCTION DETAILS FOR THE STORAGE BUILDING WILL BE PROVIDED BY OTHERS.

APPROVAL SIGNATURE BLOCK

Upon finding that the final plans complied with all requirements of the Williston Development Bylaw and all conditions imposed on the approval of Discretionary Permit ~~18-20,~~ the Williston Zoning Administrator approved the final plans for DP 18/20 on the 5 day of October 2018.

Matt Delaney

ISSUE FOR PERMIT
NOT FOR CONSTRUCTION

TRC
249 WESTERN AVENUE
AUGUSTA, ME 04330

PROJECT NO: 239919

REV	DESCRIPTION	DATE	DES	CHK	APP
0	ISSUED FOR PERMIT - REVISED BUILDING	05/31/18	CMW	RAY	RAY

CMW DESIGNED
CMW DRAWN
RAY CHECKED
RAY APPROVED
REVIEW 1
REVIEW 2

YARD ELEVATION
VELCO
REDMOND ROAD STORAGE FACILITY

WILLISTON VT

05/23/18 DATE
AS NOTED SCALE

TRC

C-15

REV. 0

MORTON BUILDINGS GENERAL SPECIFICATIONS

LAMINATED COLUMNS - NO. 1 OR BETTER SOUTHERN YELLOW PINE NAIL LAMINATED 3 MEMBER S4S COLUMNS USED IN MORTON BUILDINGS ARE PRESSURE TREATED FOR INSTALLATION BELOW GRADE TO A RETENTION OF 0.8 POUNDS PER CUBIC FOOT WITH CHROMATED COPPER ARSENATE TYPE III, OXIDE IN CONFORMANCE WITH USEPA GUIDELINES AND AWPA STANDARD C28. THE TREATED PORTION OF THE COLUMN EMBEDDED IN GROUND SHALL BE LAMINATED WITH STAINLESS STEEL NAILS.

FOOTINGS AND ANCHORAGE - COLUMN HOLES ARE DUG A MINIMUM DEPTH OF 4'-8" BELOW GRADE (SEE PLANS FOR DIAMETER AND DEPTH). COLUMNS WITH GALVANIZED SUPPORT STILTS ARE PLACED IN THE HOLE. CONCRETE (MINIMUM COMPRESSIVE STRENGTH 2500 PSI) IS POURED IN PLACE TO THE SPECIFIED THICKNESS (SEE PLANS FOR REQUIRED THICKNESS ABOVE AND BELOW THE COLUMN). THE COLUMN IS THEN BACKFILLED WITH SOIL AND COMPACTED AT 8" INTERVALS OR BACKFILLED WITH CONCRETE (SEE PLANS).

TREATED LUMBER -- PRESSURE PRESERVATIVE TREATED LUMBER OTHER THAN LAMINATED COLUMNS ARE NO. 1 OR BETTER SOUTHERN YELLOW PINE AND CENTER MATCHED OR NOTCHED AND GROOVED OR S4S. PRESSURE TREATMENT TO GROUND CONTACT RETENTION WITH PRESERVATIVE TREATMENT COMPLYING WITH USE CATEGORY UC4B (AWPA OR ICC-ES) AND IN COMPLIANCE WITH USEPA GUIDELINES AND STANDARDS.

FRAMING LUMBER - SIDING NAILERS ARE 2x4 S4S OR 2x6 SPF NO. 2 OR BETTER SPACED APPROXIMATELY 36" O.C. WITH ALL JOINTS STAGGERED AT ATTACHMENT TO COLUMNS. ROOF PURLINS ARE 2x4 S4S NO. 2 OR BETTER ON EDGE SPACED APPROXIMATELY 24" O.C. ALL OTHER FRAMING LUMBER IS NO. 2 OR BETTER.

ROOF TRUSSES - FACTORY ASSEMBLED WITH 18 OR 20 GAUGE GALVANIZED STEEL TRUSS PLATES AS REQUIRED AND KILN DRIED LUMBER AS SPECIFIED. IN-PLANT QUALITY CONTROL INSPECTION IS CONDUCTED UNDER THE AUSPICES OF THE TPI INSPECTION BUREAU. TRUSSES ARE DESIGNED IN ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS FOR THE STATED LOADING.

SIDING & ROOFING PANELS (FLUOROFLEX 1000 ™) - 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL WITH AN ADDITIONAL BAKED-ON 70% PVDF FINISH WITH A NOMINAL 1 MIL. PAINT THICKNESS ON EXTERIOR.

TRIM - DIE-FORMED TRIM OF 0.017" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL ON GABLES, RIDGES, CORNERS, BASE WINDOWS, AND DOORS WITH SAME FINISH AS ROOFING OR SIDING PANELS.

GUTTERS - 5" K-STYLE, .030 HIGH TENSILE ALUMINUM GUTTER, 70% PVDF FINISH TO MATCH TRIM, ON BOTH SIDES OF THE BUILDING.
2x4F1F1 02/12

DESIGN AND EXPLANATORY NOTES

1.) ALL PLOT PLANS AND RELATED DETAILS SHALL BE PROVIDED BY OWNER UNLESS INCORPORATED AS PART OF THESE DRAWINGS.

2.) MORTON BUILDINGS GENERAL SPECIFICATIONS APPLY UNLESS INDICATED DIFFERENTLY ON SPECIFIC JOB DRAWINGS OR SUPPLEMENTAL INFORMATION.

3.) NO ONE MAY ALTER ANY ENGINEERING ITEM UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED / REGISTERED ENGINEER .

4.) ◆ THE PRECEDING SYMBOL IDENTIFIES ITEMS THROUGHOUT THE PLANS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.

ALLIED DESIGN

APPROVAL SIGNATURE BLOCK

Upon finding that the final plans complied with all requirements of the Williston Development Bylaw and all conditions imposed on the approval of Discretionary Permit ~~18-20~~, the Williston Zoning Administrator approved the final plans for DP 18-20 on the 5 day of Oct 2018.

16-11.1 Matt Balaw

SHEET INDEX	
SHEET#	DESCRIPTION
G1 OF G1	SPECIFICATIONS & SHEET INDEX
S1 OF S4	COLUMN PLAN
S2 OF S4	TRUSS/BRACING PLAN, TRUSS DRAWING, & DETAILS
S3 OF S4	ELEVATIONS
S4 OF S4	SECTIONS & DETAILS

CURRENT LUMBER SPECIFICATIONS (06-01-2013)		
SIZE	DESCRIPTION	BENDING VALUE Fb
2x4	NO. 2 SPF	1313 PSI
2x4	NO. 1 SYP	1500 PSI
2x4	2100f MSR SPF	2100 PSI
2x6	NO. 2 SPF	1138 PSI
2x6	NO. 1 SYP	1350 PSI
2x6	2100f MSR SPF	2100 PSI
2X6	2400 MSR SYP	2400 PSI
2x8	NO. 1 SYP	1250 PSI
2x8	2400 MSR SYP	2400 PSI
2x10	NO. 1 SYP	1050 PSI
2x10	2400 MSR SYP	2400 PSI
2x12	NO. 1 SYP	1000 PSI
2x12	2250f MSR SYP	2250 PSI
1 1/2"x16"	LAMINATED VENEER LUMBER	2800 PSI
3 1/2"x15"	GLU-LAM	1650 PSI
5 1/4"x16 1/2"	GLU-LAM	2400 PSI
5 1/4"x19 1/2"	GLU-LAM	2400 PSI

BUILDING DESIGN CRITERIA	
USE GROUP	S-1
CONSTRUCTION TYPE	VB
RISK CATEGORY	II
BUILDING AREA	6600 SQ. FT.
ROOF SNOW LOAD *	40 PSF
GROUND SNOW LOAD	40 PSF
WIND SPEED (V_{ult})	115 MPH
WIND SPEED (V_{ASD})	89 MPH
FLOOR LOAD	125 PSF

*ROOF SNOW LOAD CALCULATIONS

Pf = 0.7 x Ce x I x Pg x Ct
Ce = SNOW EXPOSURE FACTOR = 1.0
I = IMPORTANCE FACTOR = 1.0
Pg = GROUND SNOW LOAD = 40 PSF
Ct = THERMAL FACTOR = 1.2
Pf = 0.7 x 1.0 x 1.0 x 40 x 1.2 = 33.6 PSF
$Pf_{MIN.}$ = 40 PSF
Cs = ROOF SLOPE FACTOR = 1.0
Ps = Pf x Cs = 40 x 1.0 = 40 PSF

I HEREBY CERTIFY THAT THE STRUCTURAL DESIGN FOR THIS BUILDING WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED/REGISTERED PROFESSIONAL ENGINEER.

Glen Michael Cascia
GLEN MICHAEL CASCIA, P.E.
glen.cascia@alleddesignes.com
DATE: 10/1/2018 REG. # 012-4712

STATE OF VERMONT
GLEN MICHAEL CASCIA
NO. 012471 2
STRUCTURAL
LICENSED PROFESSIONAL ENGINEER

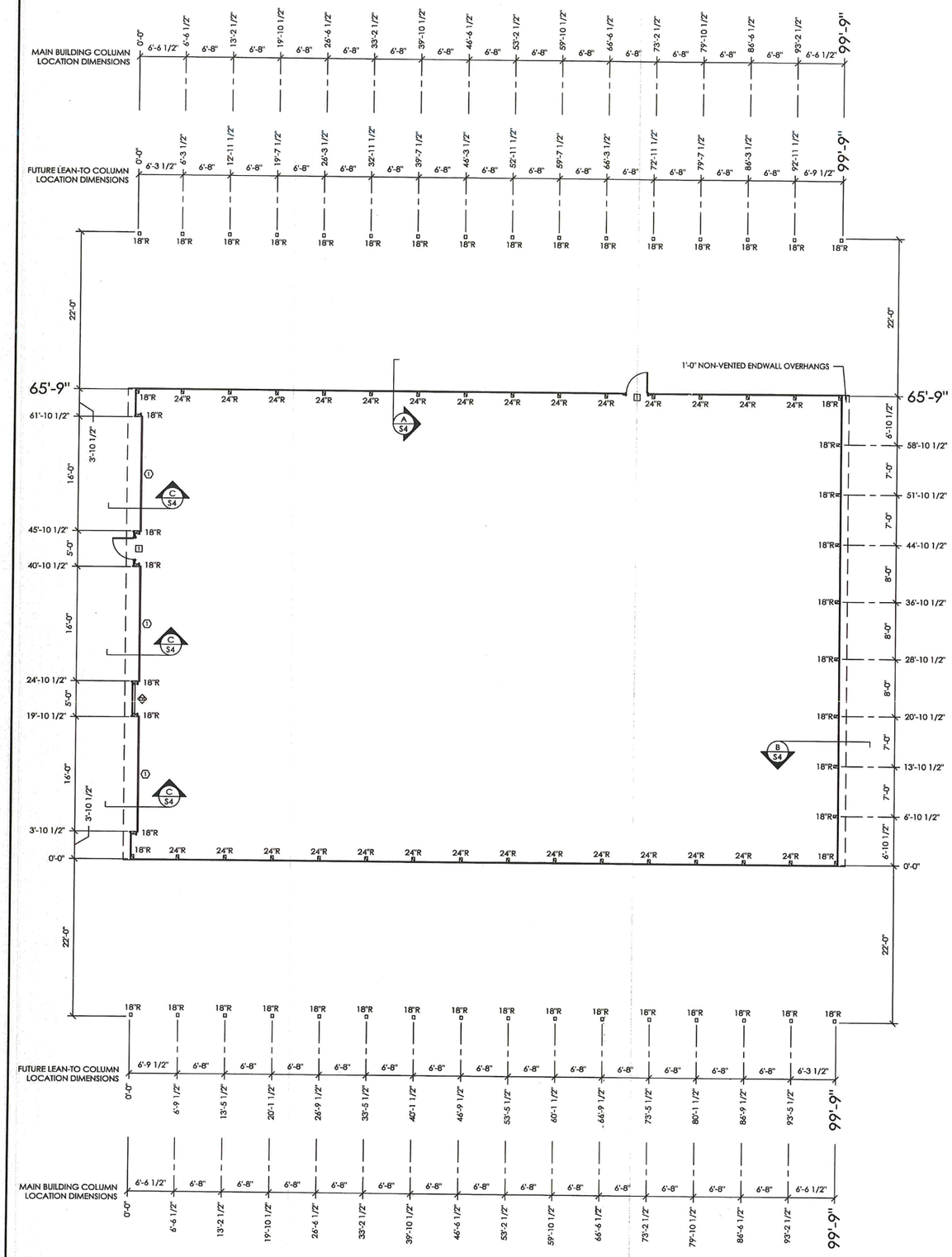
OFFICE: CASTLETON, VT
JOB NO. 133-082183

VERMONT ELECTRIC POWER CO.
WILLISTON, VT

VT ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550 PHONE NUMBER: 309-263-4105

DRAWN BY:	MILICH
DATE:	9/7/2018
CHECKED BY:	TP
DATE:	9/28/2018
REVISED DATE:	---
REVISED DATE:	---
REVISED DATE:	---
REVISED DATE:	---

SCALE: AS NOTED
SHEET NO. G1 OF G1



COLUMN PLAN

APPROVAL SIGNATURE BLOCK

Upon finding that the final plans complied with all requirements of the Williston Development Bylaw and all conditions imposed on the approval of Discretionary Permit ~~18-20~~, the Williston Zoning Administrator approved the final plans for DP 18-20 on the 9 day of Oct 2018.

16.11.1 [signature]

COLUMN PLAN LEGEND

- ▫ - 3-2x6 LAMINATED LOWER COLUMN LOCATION
- ▪ - 3-2x8 LAMINATED COLUMN LOCATION
- ⊡ - (2) 3068 PLAIN FLAT LEAF FIBERSTEEL WALKDOORS, OUT SWING, LEFT HINGE WITH CLOSER, LEVER LOCKSET
- ① - (3) 16'-2" x 14'-1" OVERHEAD DOORS
- ◈ - DOUBLE 3/4" OSB SHEARWALL (SEE DETAILS ON SHEET S4)
- 1/2" HEAVY DUTY THERMAX (ROOF ONLY)
- SIDE AND END STEEL FASTENED WITH STAINLESS STEEL SCREWS
- 18"R - 18" DIAMETER FOOTING WITH 8" THICK MINIMUM READY-MIX CONCRETE BELOW BOTTOM OF LOWER COLUMN WITH ADDITIONAL READY-MIX TO TOP OF 218M STILT (9"±). PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.
- 24"R - 24" DIAMETER FOOTING WITH 10" THICK MINIMUM READY-MIX CONCRETE BELOW BOTTOM OF LOWER COLUMN WITH ADDITIONAL READY-MIX TO TOP OF 224M STILT (9"±). PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.

ROUGH OPENING SCHEDULE		
UNIT SYMBOL FROM LEGEND	WIDTH	HEIGHT
1	38 1/4"	81"

N

SCALE: 1' 2' 4' 8' 16'

OFFICE: CASTLETON, VT
JOB NO. 133-082183

VERMONT ELECTRIC POWER CO.
WILLISTON, VT

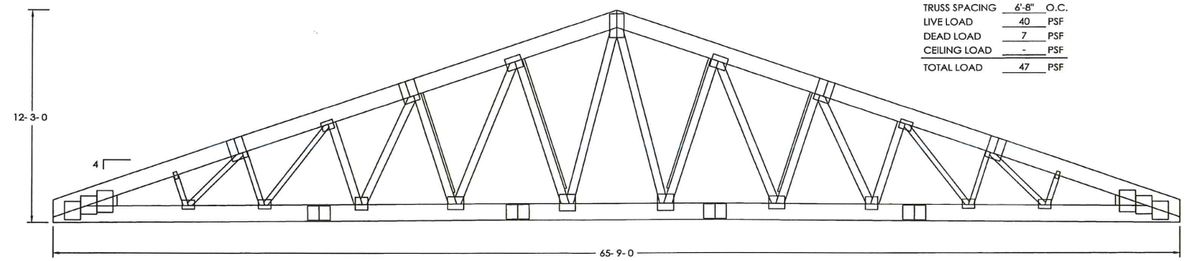
VT
ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
PHONE NUMBER: 309-263-4105

DRAWN BY:	MILICH
DATE:	9/7/2018
CHECKED BY:	TP
DATE:	9/28/2018
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----

STATE OF VERMONT
GLEN MICHAEL CASCIA
NO. 0124712
STRUCTURAL I
LICENSED
PROFESSIONAL ENGINEER
10/1/2018

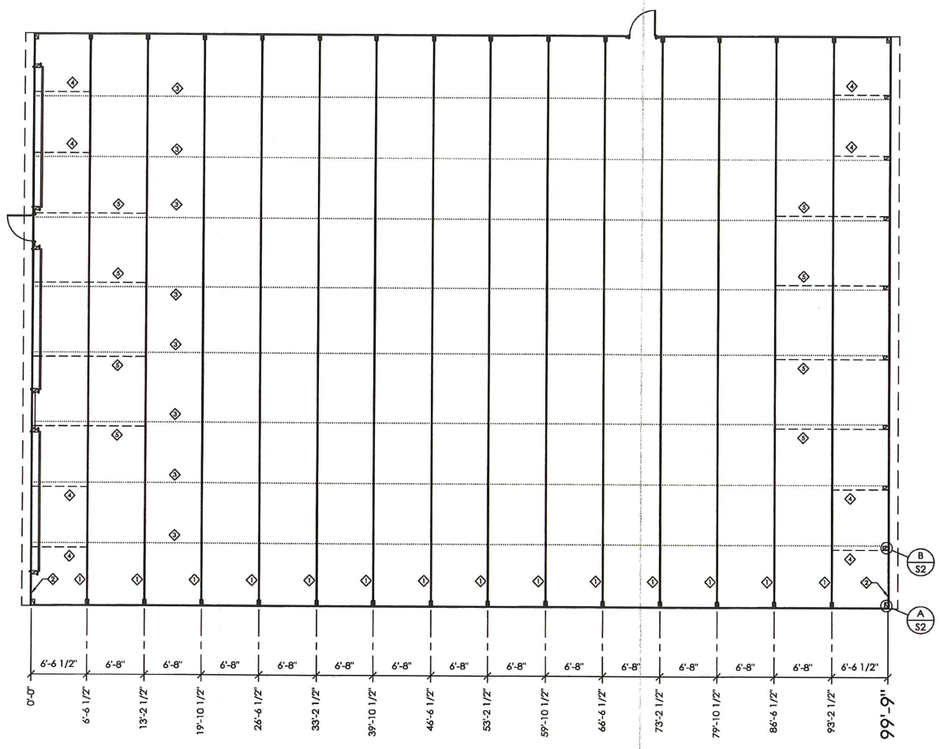
SCALE: AS NOTED
SHEET NO.
S1 OF S4

TRUSS SPACING	6'-8"	O.C.
LIVE LOAD	40	PSF
DEAD LOAD	7	PSF
CEILING LOAD	-	PSF
TOTAL LOAD	47	PSF

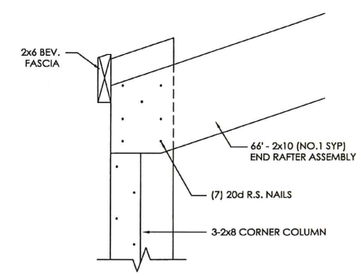


66' S.C. 3090 (4116) TRUSS

SCALE: 1/4" = 1'-0"

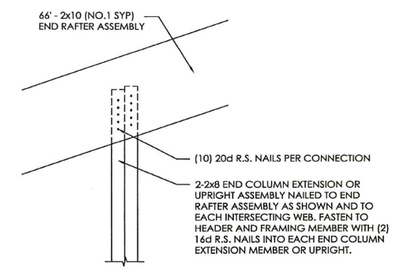


TRUSS/BRACING PLAN



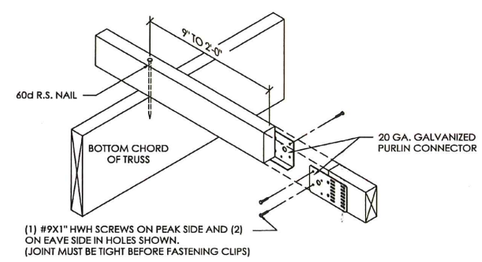
DETAIL A

SCALE: 1 1/2" = 1'-0"

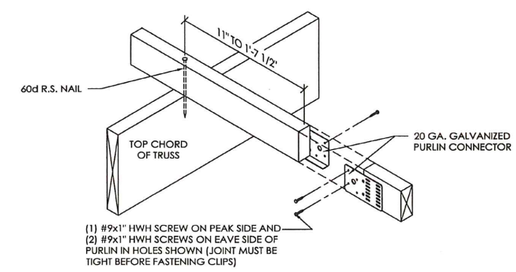


DETAIL B

SCALE: 1 1/2" = 1'-0"



2x4 TRUSS TIE DETAIL



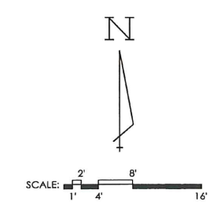
2x4 BUTTED PURLIN DETAIL

(PURLIN CONNECTED WITH 60D R.S. NAIL)

SCALE: 1 1/2" = 1'-0"

TRUSS/BRACING PLAN LEGEND

- 66' 3090 S.C. TRUSSES
- 66' END RAFTER ASSEMBLY
- 2x4 TRUSS TIES
- 2x6 DIAGONAL END BRACES (TO EXTEND TO FIRST TRUSS IN FROM ENDWALL)
- 2x6 DIAGONAL X-BRACING (TO EXTEND TO SECOND TRUSS IN FROM ENDWALL)



APPROVAL SIGNATURE BLOCK

Upon finding that the final plans complied with all requirements of the Williston Development Bylaw and all conditions imposed on the approval of Discretionary Permit 18-20, the Williston Zoning Administrator approved the final plans for DP ~~18-20~~ on the 5 day of Oct, 2018.

16-11-1

OFFICE: CASTLETON, VT

JOB NO. 133-082183

VERMONT ELECTRIC POWER CO.

WILLISTON, VT

ALLIED DESIGN ARCHITECTURE & ENGINEERING GROUP, P.C.

100 S. PERSHING P.O. BOX 110 MORTON, IL 61550 PHONE NUMBER: 309-263-4105

DRAWN BY:	MILICH
DATE:	9/7/2018
CHECKED BY:	TP
DATE:	9/28/2018
REVISED DATE:	---
REVISED DATE:	---
REVISED DATE:	---
REVISED DATE:	---

STATE OF VERMONT — GLEN MICHAEL CARON — NO. 0124712 — STRUCTURAL I — LICENSED PROFESSIONAL ENGINEER

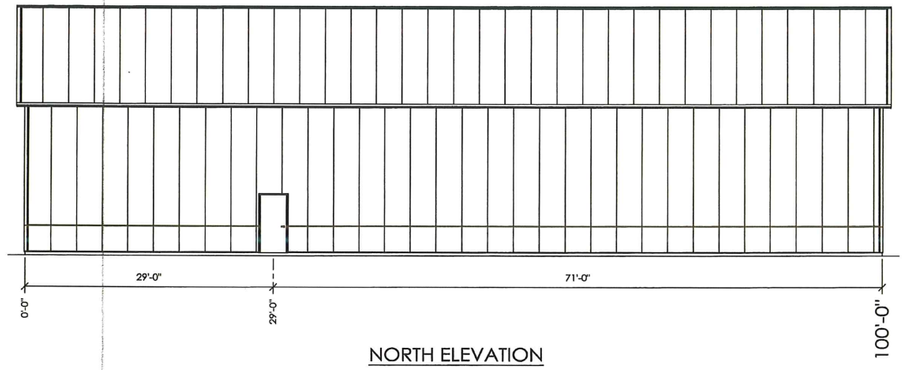
10/1/2018

SCALE: AS NOTED

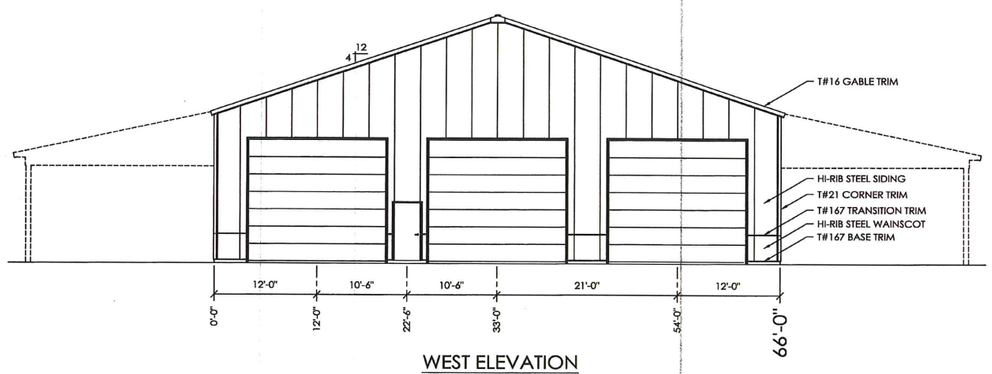
SHEET NO. S2 OF S4

DESIGN AND EXPLANATORY NOTES

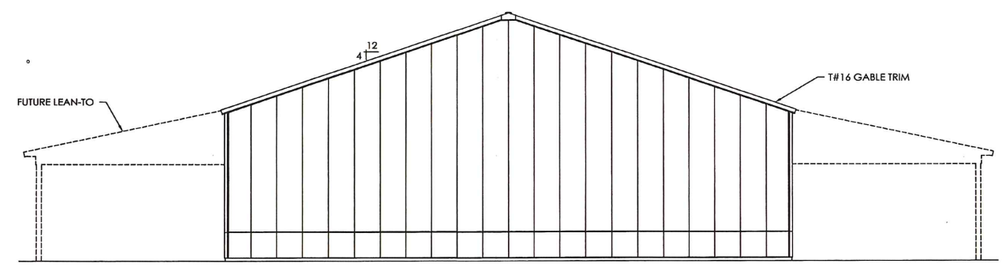
1.) EXTERIOR DOOR LOCATIONS ARE TAKEN FROM THE EXTERIOR FACE OF THE NAILERS AND ARE TO THE CENTER OF THE DOOR. VERIFY ALL DOOR LOCATIONS WITH THE OWNER.



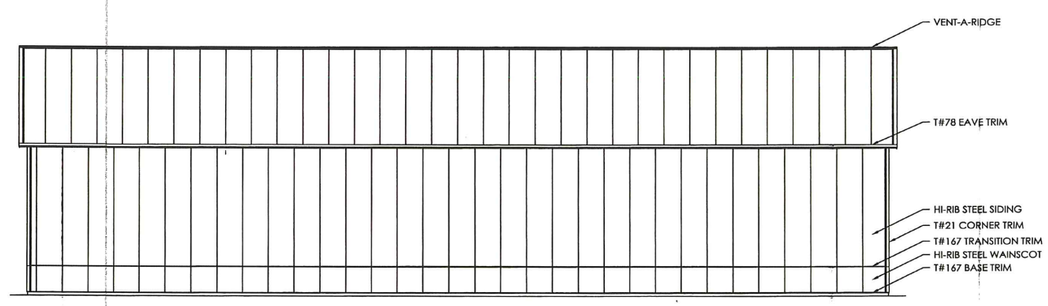
NORTH ELEVATION



WEST ELEVATION



EAST ELEVATION



SOUTH ELEVATION

APPROVAL SIGNATURE BLOCK

Upon finding that the final plans complied with all requirements of the Williston Development Bylaw and all conditions imposed on the approval of Discretionary Permit 18-20, the Williston Zoning Administrator approved the final plans for DP 18-20 on the 5 day of Oct, 2018.

16-11.1

SCALE: 1' 2' 4' 8' 16'

OFFICE: CASTLETON, VT

JOB NO. 133-082183

VERMONT ELECTRIC POWER CO.

WILLISTON, VT

VT ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.

100 S. PERSHING P.O. BOX 110 MORTON, IL 61550

PHONE NUMBER: 309-263-4105

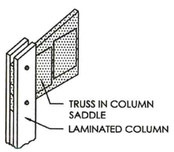
DRAWN BY:	MILICH
DATE:	9/7/2018
CHECKED BY:	TP
DATE:	9/28/2018
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----

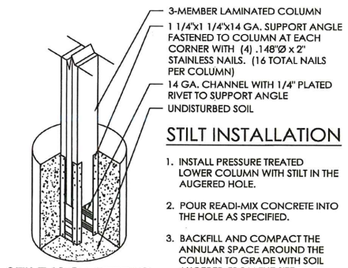
STATE OF VERMONT GLEN MICHAEL CASCIA NO. 0124712 STRUCTURAL 1 LICENSED PROFESSIONAL ENGINEER

Glen Michael Cascia 10/1/2018

SCALE: AS NOTED

SHEET NO. S3 OF S4





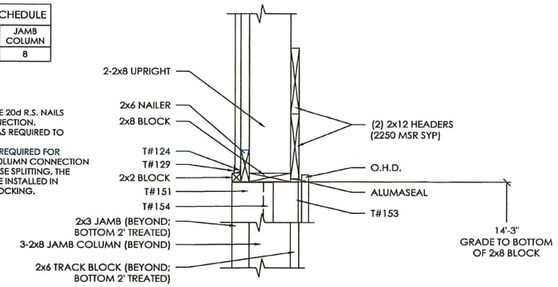
STILT ISOMETRIC

STILT INSTALLATION

1. INSTALL PRESSURE TREATED LOWER COLUMN WITH STILT IN THE AUGERED HOLE.
2. POUR READI-MIX CONCRETE INTO THE HOLE AS SPECIFIED.
3. BACKFILL AND COMPACT THE ANNULAR SPACE AROUND THE COLUMN TO GRADE WITH SOIL AUGERED FROM THE SITE.

HEADER NAILING SCHEDULE		
HEADER MEMBER	UPRIGHT	JAMB COLUMN
EA. 2x12	8	8

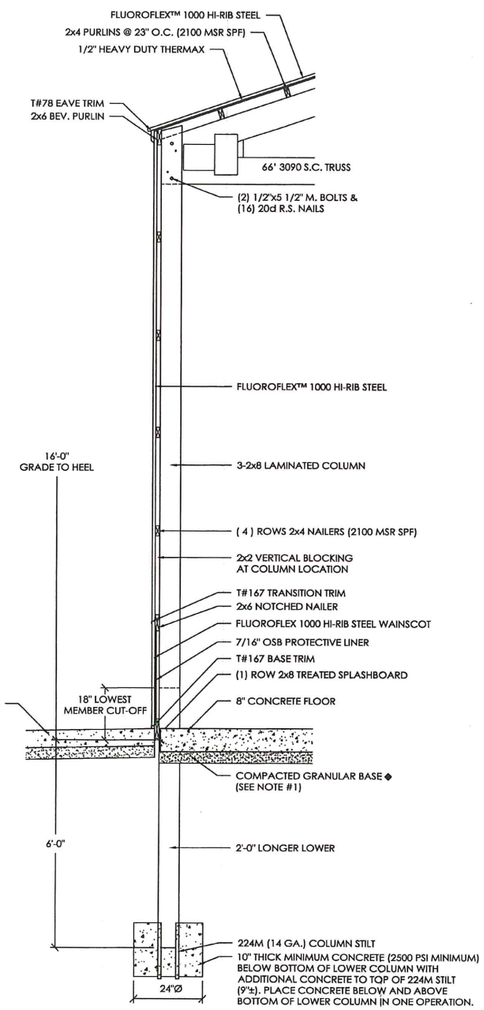
NOTES:
1. NUMBERS ABOVE ARE 20d R.S. NAILS REQUIRED PER CONNECTION.
2. PRE-DRILL HEADERS AS REQUIRED TO PREVENT SPLITTING.
3. IF NUMBER OF NAILS REQUIRED FOR HEADER TO JAMB COLUMN CONNECTION IS EXCESSIVE TO CAUSE SPLITTING, THE EXCESS NAILS MAY BE INSTALLED IN HEADER SUPPORT BLOCKING.



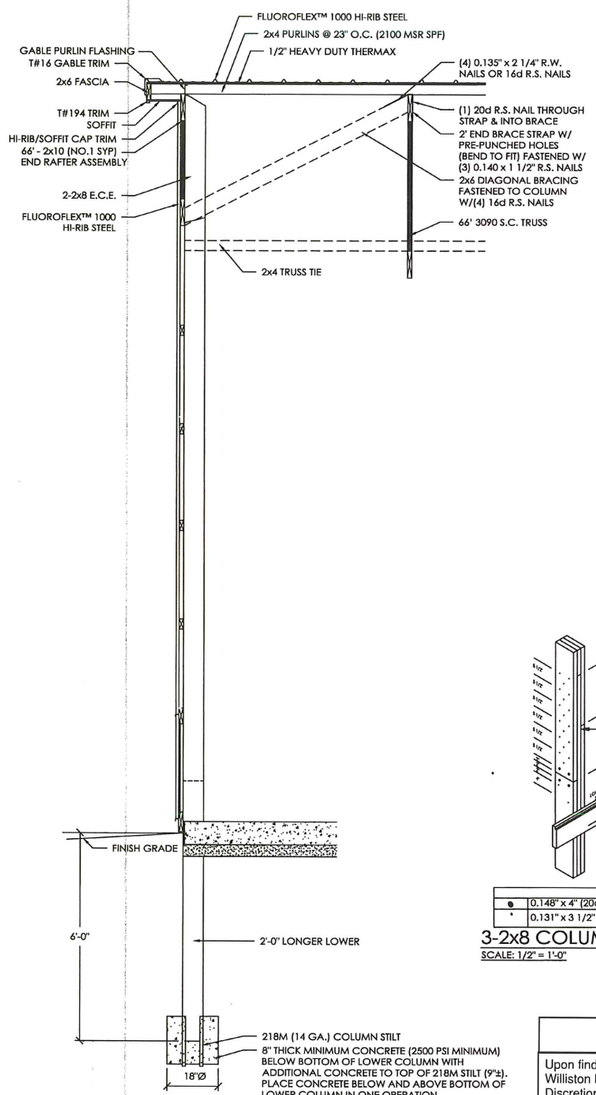
OHD HEADER SECTION C
SCALE: 1" = 1'-0"

DESIGN AND EXPLANATORY NOTES

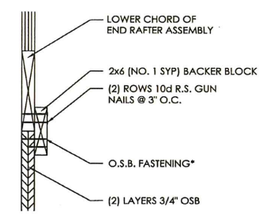
1. GEOTECHNICAL INVESTIGATION REPORT PREPARED BY:
   KNIGHT CONSULTING ENGINEERS, INC.
   51 KNIGHT LANE
   WILLISTON, VT 05495
   PHONE: (802) 879-6343
   DATED: JANUARY 28, 2016
   a. SITE PREPARATION TO BE IN ACCORDANCE WITH ALL RECOMMENDATIONS.
   b. FOOTINGS ARE DESIGNED FOR A 5000 PSF SOIL BEARING CAPACITY.
2. CONCRETE FLOOR NOTES:
   a. 3500 PSI, 5 1/2 BAG MIX CONCRETE.
   b. SLOPE GRADE AWAY FROM BUILDING @ 1" PER FOOT FOR A MINIMUM DISTANCE OF 10' PLUS OVERHANG WIDTH.
   c. A VAPOR RETARDER IS NOT MANDATED PER IBC SECTION 1907 EXCEPTION 3. UNLESS THE FLOOR WILL BE COVERED BY MOISTURE SENSITIVE FLOORING MATERIALS OR IMPERMEABLE FLOOR COATINGS OR WHERE THE FLOOR WILL BE IN CONTACT WITH ANY MOISTURE SENSITIVE EQUIPMENT OR PRODUCT.
   d. CONTRACTION JOINTS UNIFORMLY SPACED 18' O.C. OR LESS.
3. PRIOR TO PLACING THE CONCRETE FOOTINGS, HAND TAMP THE BOTTOM 2'-3" OF LOOSE SOIL TO CONSOLIDATE. IF THE DRILLED HOLE CONTAINS MORE THAN 3" OF LOOSE SOIL, REMOVE EXCESS SOIL TO A UNIFORM THICKNESS OF 2'-3", HAND TAMP AND PROCEED WITH CONCRETE FOOTING PLACEMENT.
4. DO NOT PLACE CONCRETE FOOTING THROUGH MORE THAN 3" OF STANDING WATER. IF MORE THAN 3" OF STANDING WATER IS PRESENT IN THE FOOTING HOLE CONTACT THE STRUCTURAL ENGINEER OF RECORD FOR INSTALLATION INSTRUCTIONS.



SIDEWALL SECTION A
SCALE: 1/2" = 1'-0"

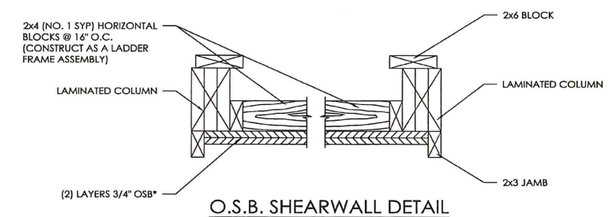


ENDWALL SECTION B
SCALE: 1/2" = 1'-0"

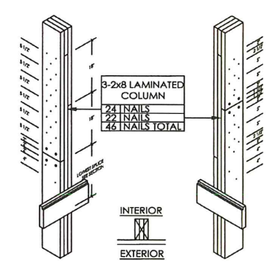


BACKER BLOCK DETAIL
SCALE: 1 1/2" = 1'-0"

* - O.S.B. FASTENING INSTRUCTIONS:
1.) FASTEN FIRST LAYER 3/4" O.S.B. W/8d NAILS @ 3" O.C. ALONG PANEL EDGES & 6" O.C. ALONG INTERMEDIATE FRAMING.
2.) FASTEN SECOND LAYER 3/4" O.S.B. W/10d NAILS @ 3" O.C. ALONG PANEL EDGES & 6" O.C. ALONG INTERMEDIATE FRAMING.

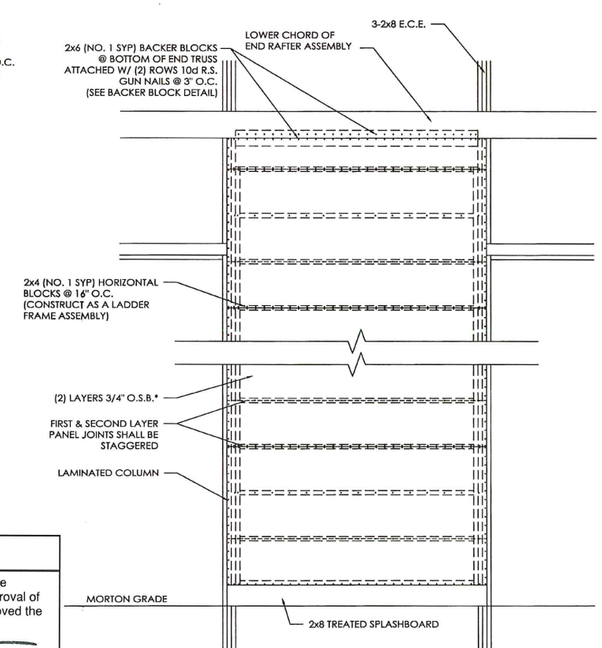


O.S.B. SHEARWALL DETAIL
SCALE: 1 1/2" = 1'-0"



NAIL KEY	
●	0.148" x 4" (20d) NAILS
•	0.131" x 3 1/2" HOT DIPPED GALVANIZED (HDG) RING SHANK NAILS

3-2x8 COLUMN SPLICE FASTENING DETAIL
SCALE: 1/2" = 1'-0"



DOUBLE LAYER 3/4" O.S.B. SHEARWALL FRAMING ELEVATION
SCALE: 1/2" = 1'-0"

APPROVAL SIGNATURE BLOCK

Upon finding that the final plans complied with all requirements of the Williston Development Bylaw and all conditions imposed on the approval of Discretionary Permit ~~18-20~~ the Williston Zoning Administrator approved the final plans for DP ~~18-20~~ on the 11 day of Oct 2018.

16.11.1 Matt Bz

OFFICE: CASTLETON, VT
JOB NO. 133-082183

VERMONT ELECTRIC POWER CO.
WILLISTON, VT

ALLIED DESIGN ARCHITECTURE & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550 PHONE NUMBER: 309-263-4105

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DATE:	9/7/2018
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STATE OF VERMONT — SEAN MICHAEL CASON — NO. 0124712 — STRUCTURAL 1 — LICENSED PROFESSIONAL ENGINEER
10/1/2018

SCALE: AS NOTED
SHEET NO. S4 OF S4