

# MOLLIDGEWOCK STATE PARK

## NEW VISITORS RECEPTION CENTER - 80% DESIGN

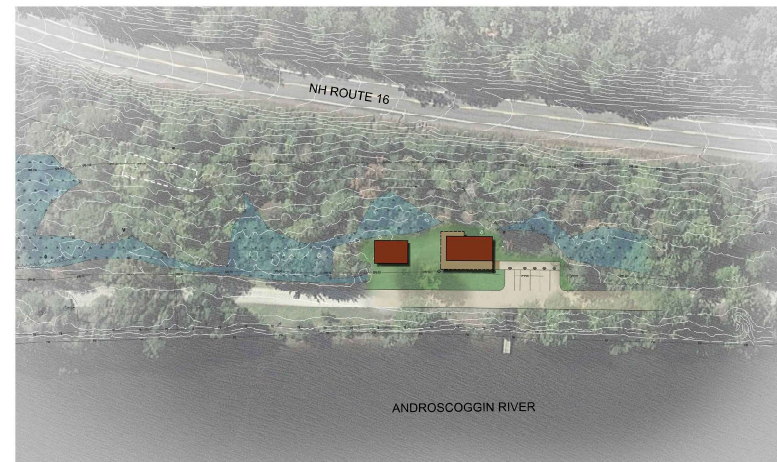
1437 Berlin Road  
Errol, NH 03570

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Landscape Architects and Planners  
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Burlington, VT 05401  
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### SHEET LIST

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C1.00	EXISTING CONDITIONS
C1.01	DEMOLITION PLAN
C2.00	SITE PLAN
C3.00	EROSION CONTROL DETAILS
C3.01	CIVIL DETAILS
C4.00	SEPTIC PLAN
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A1.02	MAIN FLOOR REFLECTED CEILING AND ROOF PLAN
A1.02	ROOF PLAN
A2.01	EXTERIOR ELEVATIONS
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<b>WOODSHED SHEETS</b>	
A1.01	WOODSHED FLOOR AND ROOF PLANS
A2.01	WOODSHED EXTERIOR ELEVATIONS
A3.01	WOODSHED SECTIONS
S1.01	WOODSHED FOUNDATION AND ROOF FRAMING PLANS AND DETAILS

### SITE



**NH STATE PARKS**  
Campground Expansion Project #11  
Mollidgewock State Park  
1437 Berlin Road  
Errol, NH  
03579

Issue  
**80% DESIGN**

Graphic Scale

North

Scale:

Date: November 30, 2023

Drawn By: KS

Checked By: PD

Issues:

No.	Description	Date
1	Name	00/00/00

Title  
**COVER SHEET**

Sheet Number:  
**G0.00**

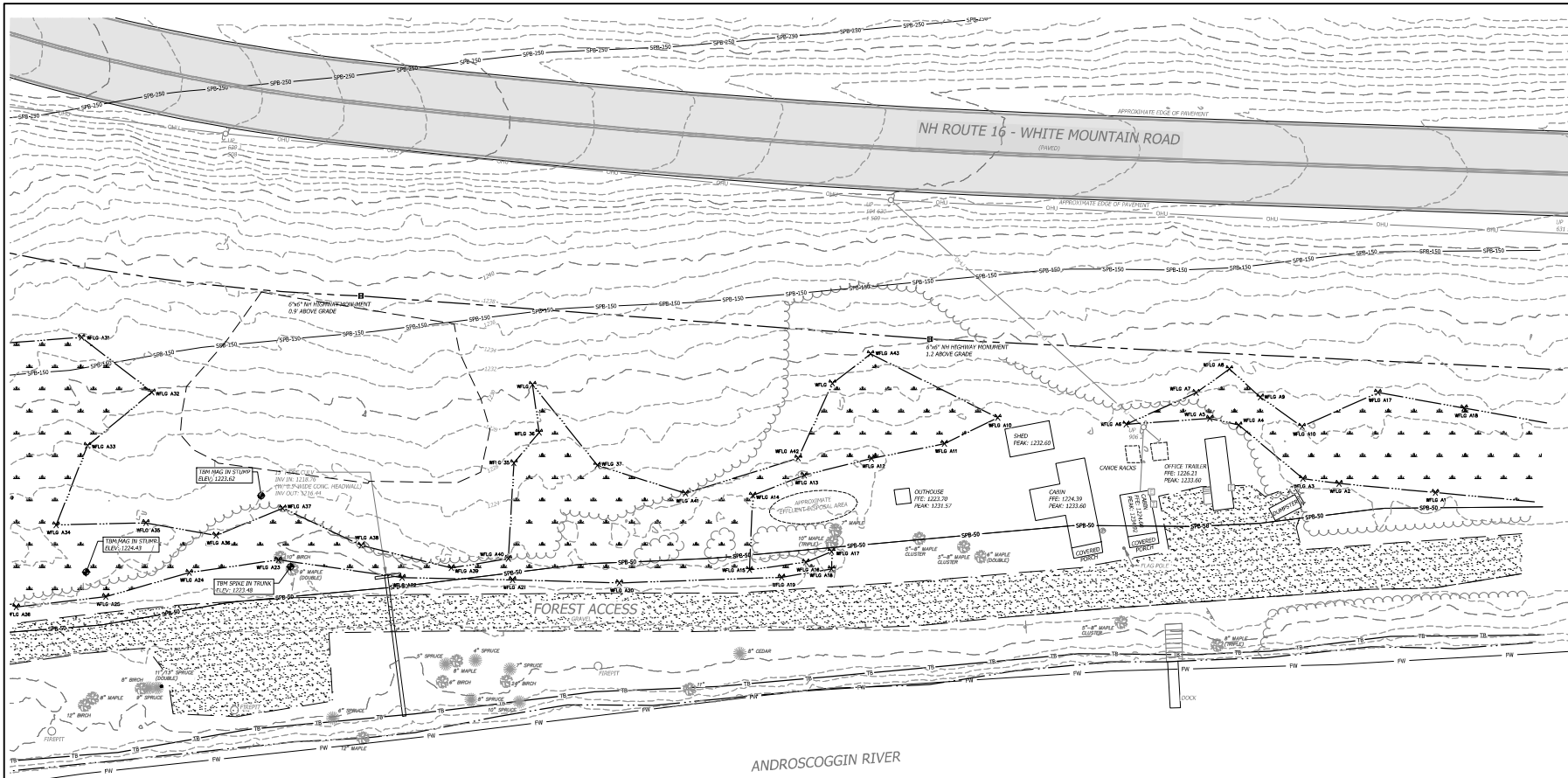
Project Number: 23045001  
File: 10\_00-cover sheet.dwg

LANDSCAPE ARCHITECT  
SE GROUP  
1 MILL STREET, SUITE 190  
BURLINGTON, VT 05401

CIVIL ENGINEER  
HORIZONS ENGINEERING  
176 NEWPORT ROAD, SUITE 8  
NEW LONDON, NH 03257

ARCHITECT  
SAMYN-D'ELIA ARCHITECTS, P.A.  
6 CENTRAL HOUSE ROAD  
HOLDERNESS, NH 03245

ELECTRICAL  
CPB & ASSOCIATES  
500 DEPOT STREET  
RUMNEY, NH 03266



**GENERAL NOTES**

1. THE HORIZONTAL DATUM IS ON THE NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM NAD83 (2011), THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. THIS PLAN IS BASED ON A FIELD SURVEY COMPLETED IN MAY OF 2023 WITH SOKKIA GRV3 DUAL FREQUENCY SURVEY GRADE GPS RECEIVERS AND A LEICA TS13 ROBOTIC TOTAL STATION.
3. TOPOGRAPHY SHOWN HEREON IS BASED ON BARE EARTH DEM LIDAR DATA FILES DATED 2017 FROM THE STATE OF NEW HAMPSHIRE.
4. THE SURVEYED PARCEL IS MAPPED AS LYING OUTSIDE OF THE FLOOD ZONE PER FEMA FIRMA FIRM MAP NUMBER 33007C0692Z EFFECTIVE ON 2/20/2013.
5. THE LOCATION OF NH ROUTE 16 AS DEPICTED HEREON IS APPROXIMATE BASED ON AERIAL ORTHORECTOGRAPHY DATED 2015.
6. THE APPROXIMATE RIGHT-OF-WAY SHOWN HEREON IS BASED ON REFERENCE PLAN "BOUNDARY PLAN OF MOLLIDGEWOCK STATE PARK" DATED FEBRUARY 16, 2018 PREPARED BY THE STATE OF NEW HAMPSHIRE DEPARTMENT OF NATURAL & CULTURAL RESOURCES AND EVIDENCE FOUND IN THE FIELD.

**WETLAND NOTES**

STATE AND FEDERAL JURISDICTIONAL WETLANDS WERE DELINEATED BY N.H. CERTIFIED WETLAND SCIENTIST, ELI BUZZELLI, IN MAY 2023. WETLANDS MAPPING WAS DONE BY N.H. LICENSED LAND SURVEYORS, HORIZONS ENGINEERING, INC. IN ACCORDANCE WITH THE FOLLOWING GUIDANCE DOCUMENTS:

1. N.H. CODE OF ADMINISTRATIVE RULES [ENR-WT 301.01] WITH THE TECHNIQUES OUTLINED IN THE 1987 "U.S. ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1."
2. U.S. ARMY CORPS OF ENGINEERS, 2009, "REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, U.S. ARMY CORPS OF ENGINEERS RESEARCH AND DEVELOPMENT CENTER, ENVIRONMENTAL LABORATORY (EDELZEL TR-09-19)"
3. U.S. ARMY CORPS OF ENGINEERS, 2012, "NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST REGION, U.S. ARMY CORPS OF ENGINEERS RESEARCH AND DEVELOPMENT CENTER, ENVIRONMENTAL LABORATORY."
4. N.H. CODE OF ADMINISTRATIVE RULES [ENR-WT 301.02] WITH THE U.S. FISH AND WILDLIFE SERVICE MANUAL FWS/OBS-79/11 ENTITLED "CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES, COWARDIN ET AL, 1979."
5. NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE, 2004, 3RD ED., "FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND," NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION, LOWELL, MA.
6. U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE, 2010, "FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0," L.M. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.), USDA, NRCS, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.

**LEGEND**

- APPROXIMATE RIGHT-OF-WAY LIMIT
- MAJOR CONTOUR, 10-FOOT INTERVAL
- MINOR CONTOUR, 2-FOOT INTERVAL
- EDGE OF WETLAND
- EDGE OF RIVER
- EDGE OF GRAVEL
- TOP OF BANK
- FEMA FLOODWAY
- 50-FOOT SHORELAND PROTECTION BUFFER
- 150-FOOT SHORELAND PROTECTION BUFFER
- 250-FOOT SHORELAND PROTECTION BUFFER
- OVERHEAD UTILITY LINES
- NH HIGHWAY MONUMENT
- UTILITY POLE
- GUY WIRE
- ELECTRIC CABINET
- WALL-MOUNTED PAYPHONE
- SIGN
- PROPANE TANK
- WOOD POST BOLLARD
- FLAG POST
- DECIDUOUS TREE
- CONIFER TREE
- WETLAND FLAG AND FLAG ID #
- SPOT ELEVATION

**PROGRESS PRINT  
NOT FOR CONSTRUCTION**

Issue  
**80% DESIGN**  
 Graphic Scale  
 0 10 20 40  
 North

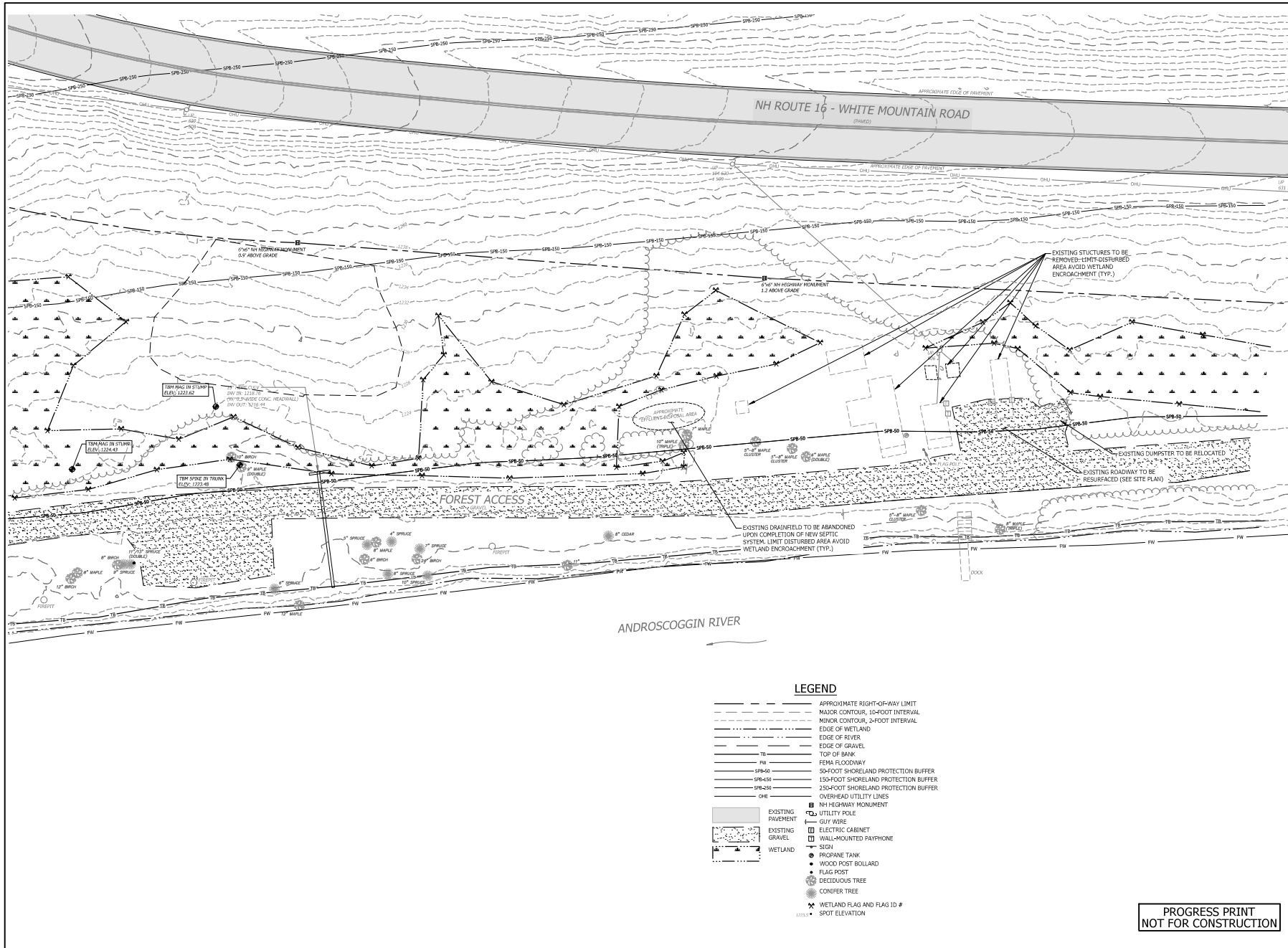
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 Date: November 22, 2023  
 Drawn By: DW  
 Checked By: RH

Issues:

No.	Description	Date
1	Name	00/00/00

Title  
**EXISTING CONDITIONS**  
 Sheet Number:  
**C1.00**

Project Number: 23045001  
 File: 230838 - x-site.dwg



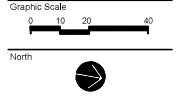
**LEGEND**

- APPROXIMATE RIGHT-OF-WAY LIMIT
- MAJOR CONTOUR, 10-FOOT INTERVAL
- MINOR CONTOUR, 2-FOOT INTERVAL
- EDGE OF WETLAND
- EDGE OF RIVER
- EDGE OF GRAVEL
- TW --- TOP OF BANK
- FW --- FEMA FLOODWAY
- SPB-50 --- 50-FOOT SHORELAND PROTECTION BUFFER
- SPB-150 --- 150-FOOT SHORELAND PROTECTION BUFFER
- SPB-250 --- 250-FOOT SHORELAND PROTECTION BUFFER
- OHL --- OVERHEAD UTILITY LINES
- NH HIGHWAY MONUMENT
- EXISTING PAVEMENT
- UTILITY POLE
- CWT WIRE
- EXISTING GRAVEL
- ELECTRIC CABINET
- WALL-MOUNTED PAYPHONE
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**NH STATE PARKS**

Campground Expansion Project PII  
 Mollidgewick State Park  
 1437 Berlin Road  
 Berlin, NH  
 03579

Issue  
**80% DESIGN**



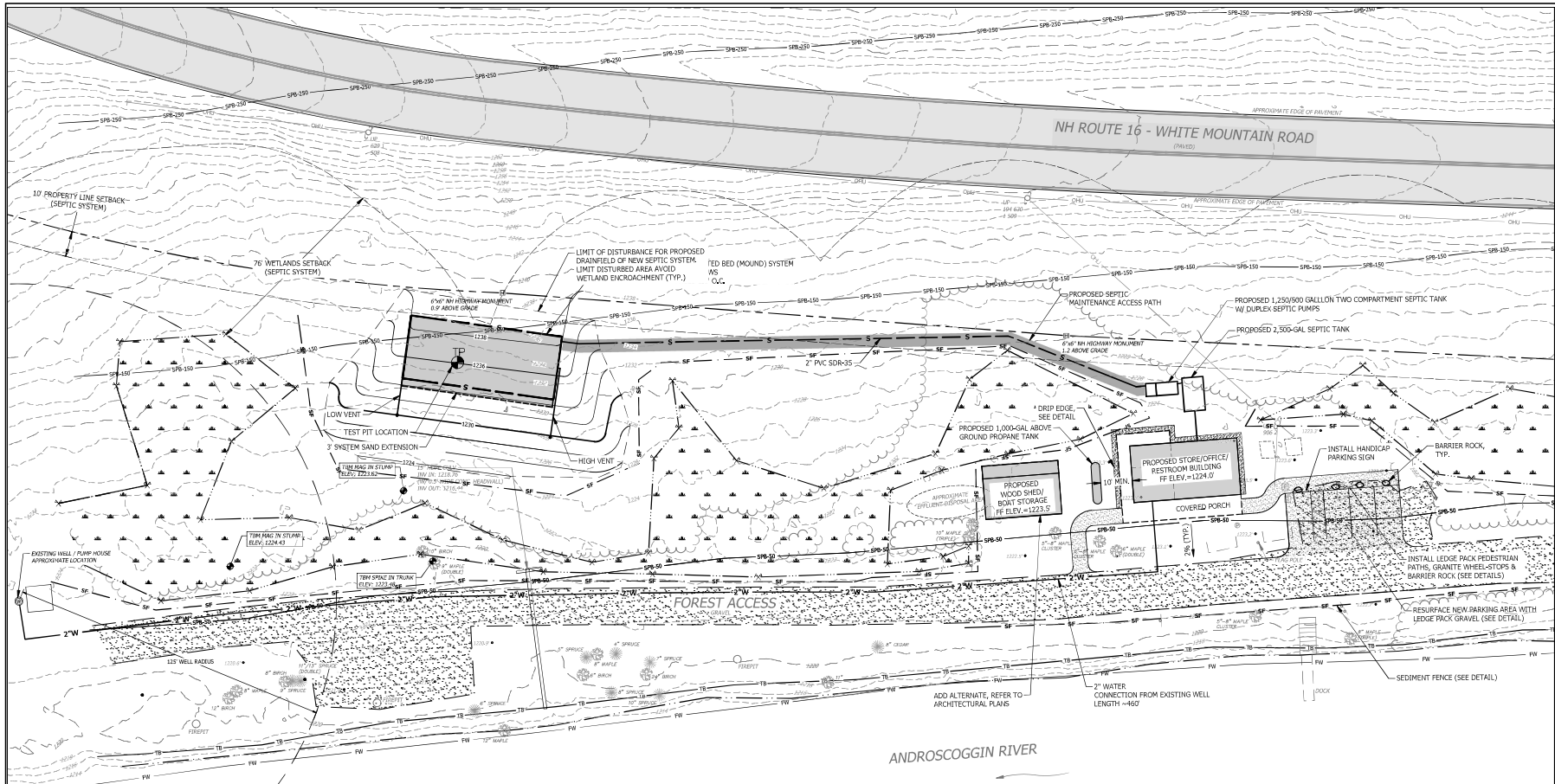
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No.	Description	Date
1	Name	00/00/00

Title  
**DEMOLITION PLAN**  
 Sheet Number:  
**C1.01**

**PROGRESS PRINT  
 NOT FOR CONSTRUCTION**



**GENERAL NOTES**

1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND FINAL TECHNICAL SPECIFICATIONS.
2. NO EXISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
3. ALL WORK SHALL BE PERFORMED WITHIN THE PROPERTY OF, AND EASEMENTS SECURED BY, THE OWNER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DATA COLLECTION AND PREPARATION OF RECORD DRAWINGS.
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTROLLING EROSION IN ALL AREAS DISTURBED BY HIS ACTIONS, COSTS FOR REQUIRED EROSION CONTROL, REGARDLESS OF WHETHER OR NOT SUCH MEASURES ARE SHOWN ON THE ENGINEERING DRAWINGS, SHALL BE BORNE BY HIM.
6. UTILITY LOCATIONS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR LOCATION AND PROTECTION OF EXISTING UTILITIES AND SHALL REPAIR ANY DAMAGE AS QUICKLY AS POSSIBLE AT HIS OWN EXPENSE. ALL UTILITIES ENCOUNTERED SHALL BE LOCATED BY DEPTH AND TIES AND SHOWN BY THE CONTRACTOR ON HIS "AS BUILT" DRAWINGS. HAND INDICATION SHALL BE DONE WHEREVER UNDERGROUND UTILITIES ARE SHOWN OR ANTICIPATED. THE CONTRACTOR SHALL CONTACT DIG SAFE AND THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION IN ORDER TO VERIFY EXISTING CONDITIONS AND UTILITY LOCATIONS.
7. ALL DISTURBED AREAS TO BE SEED WITH LAWN SEED MIX IMMEDIATELY UPON ESTABLISHMENT OF FINAL GRADE. LAWN SEED MIX SPECIFICATION BY OTHERS.

**LEGEND**

- APPROXIMATE RIGHT-OF-WAY LIMIT
- MAJOR CONTOUR, 10-FOOT INTERVAL
- MINOR CONTOUR, 2-FOOT INTERVAL
- EDGE OF WETLAND
- EDGE OF RIVER
- EDGE OF GRAVEL
- SF SEDIMENT FENCE
- TS SETBACK
- FW TOP OF BANK
- FW FEMA FLOODWAY
- SPR-50 50-FOOT SHORELAND PROTECTION BUFFER
- SPR-150 150-FOOT SHORELAND PROTECTION BUFFER
- SPR-350 350-FOOT SHORELAND PROTECTION BUFFER
- OH- OVERHEAD UTILITY LINES
- NH HIGHWAY MONUMENT
- UTILITY POLE
- GUY WIRE
- ELECTRIC CABINET
- WALL-MOUNTED PAYPHONE
- SIGN
- PROPANE TANK
- BOULDER BOLLARD
- WOOD POST BOLLARD
- FLAG POST
- DECIDUOUS TREE
- CONIFER TREE
- WETLAND FLAG AND FLAG ID #
- SPOT ELEVATION

**PROGRESS PRINT  
NOT FOR CONSTRUCTION**

**NH STATE PARKS**  
 Campground Expansion Project P11  
 Mollidgewock State Park  
 1437 Berlin Road  
 Berlin, NH  
 03579

Issue **80% DESIGN**  
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 0 10 20 40  
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Scale: 1" = 20'  
 Date: November 22, 2023  
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1	Name	00/00/00

Title **SITE PLAN**  
 Sheet Number: **C2.00**

**SEEDING RECOMMENDATIONS**

- CRADING AND SHAPING**
  - SLOPES SHALL NOT BE STEEPER THAN 3:1. 3:1 SLOPES OR FLATTER ARE PREFERRED, WHERE MOIVING WILL BE DONE. 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
- SEEDBED PREPARATION**
  - SURFACE AND SEEBASE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
  - STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA, WHERE FEASIBLE. THE SOIL SHOULD BE AMENDED WITH ORGANIC MATTER AND TILLED TO A DEPTH OF 4 INCHES TO PREPARE A SEEDBED AND MIX FERTILIZER AND LIME THOROUGHLY INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN A REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHERE PRACTICAL.
- LIME AND FERTILIZER**
  - LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. RATES AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:
    - AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100 LBS. PER 1,000 SQ. FT.
    - AMMONIUM (N), 50 LBS. PER ACRE OR 5 LBS. PER 1,000 SQ. FT.
    - PHOSPHATE (P<sub>2</sub>O<sub>5</sub>), 100 LBS. PER ACRE OR 10 LBS. PER 1,000 SQ. FT.
    - POTASH (K<sub>2</sub>O), 100 LBS. PER ACRE OR 10 LBS. PER 1,000 SQ. FT.
  - NOTE: THIS IS THE EQUIVALENT OF 500 LBS. PER ACRE OR (10-20-20) FERTILIZER OR 1,000 LBS. PER ACRE OF 5-10-10.

**SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING, AND MICROSEEDING, WHERE BROADCASTING IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIPLOUGH OR RAKING.**

**C. SEEDING GUIDE:**

SEEDING	MOISTURE (SEE 3.0)	DROUGHT	SOIL TYPE	WELL DRAINED	MUCH DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BURROW AND DISPOSAL AREAS	A	FAIR	GOOD	GOOD	FAIR	FAIR
	B	POOR	GOOD	FAIR	FAIR	POOR
	C	FAIR	EXCELLENT	EXCELLENT	POOR	POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOODING WATER	A	GOOD	GOOD	GOOD	FAIR	
LIGHTLY USED PARKING LOTS, OOD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES	A	GOOD	GOOD	GOOD	FAIR	POOR
	B	GOOD	GOOD	FAIR		

**D. SEEDING RATES:**

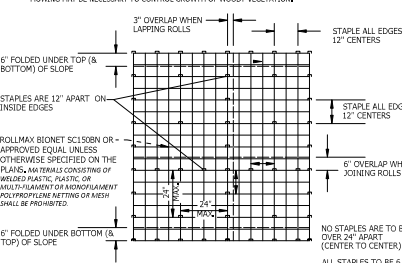
MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.
A TALL FESCUE CREEPING RED FESCUE REEDTOP	20 20 42	0.45 0.45 0.95
B TALL FESCUE CREEPING RED FESCUE CROWN VETCH OR FLATPEA	15 15 30	0.35 0.25 0.6
TOTAL	40 OR 35	0.8 OR 0.55
C TALL FESCUE FLATPEA	20 30	0.45 0.75
TOTAL	50	1.20

**E. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO SEPTEMBER 15. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.**

**F. TEMPORARY SEEDING RATES:**

SPECIES	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.	REMARKS
WINTER RYE	112	2.5	BEST FOR FALL SEEDING, SEED FROM AUGUST TO SEPTEMBER 31st FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.
OATS	80	2.0	BEST FOR SPRING SEEDING, SEED NO LATER THAN MAY 15th FOR SUMMER PROTECTION, SEED TO A DEPTH OF 1 INCH.
ANNUAL PERGRASS	40	1.0	GROWS QUICKLY, BUT IS OF SHORT DURATION, USE WHERE APPROPRIATE ARE NOT IMPORTANT. SEED EARLY SPRING AND/OR BETWEEN AUGUST 15th AND SEPTEMBER 15th. COVER SEED WITH NO MORE THAN .25 INCH OF SOIL.
PERENNIAL PERGRASS	30	0.7	GOOD COVER WHICH IS LONGER LASTING THAN ANNUAL PERGRASS. SEED BETWEEN APRIL 15th AND JUNE 15th AND/OR BETWEEN AUGUST 15th AND SEPTEMBER 15th. MULCHING WILL ALLOW SEEDING THROUGHOUT THE GROWING SEASON, SEED TO A DEPTH OF APPROXIMATELY .25 INCH.

- MULCH**
  - HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
  - MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING.
- MAINTENANCE TO ESTABLISH A STAND**
  - A PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEEED GROWTH.
  - FERTILIZATION NEEDS SHOULD BE DETERMINED BY ON SITE INSPECTIONS, SUPERVISORIAL. FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.
  - IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOIVING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.



**MULCH NETTING DETAIL**  
SOURCE: ROCKINGHAM COUNTY CONSERVATION SERVICE  
NO SCALE

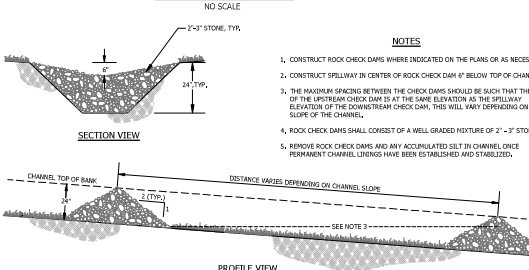
**EROSION CONTROL GENERAL NOTES**

- KEEP SITE IDENTIFICATION TO A MINIMUM**
  - CONSIDER FITTING THE BUILDINGS AND STREETS TO THE NATURAL TOPOGRAPHY, THIS REDUCES THE NEED FOR CUTS AND FILLS, AVOID EXTENSIVE GRADING THAT WOULD ALTER DRAINAGE PATTERNS OR CREATE VERY STEEP SLOPES.
  - EXPOSE AREAS OF BARE SOIL TO EROSION ELEMENTS FOR THE SHORTEST TIME POSSIBLE.
  - SAVE AND PROTECT DESIRABLE EXISTING VEGETATION WHERE POSSIBLE, ERECT BARRIERS TO PREVENT DAMAGE FROM CONSTRUCTION EQUIPMENT.
  - LIMIT THE GRADES OF SLOPES SO VEGETATION CAN BE EASILY ESTABLISHED AND MAINTAINED.
  - AVOID SUBSTANTIAL INCREASE IN RUNOFF LEAVING THE SITE.
- MINIMIZE POLLUTION OF WATER DURING CONSTRUCTION ACTIVITIES**
  - STOCKPILE TOPSOIL REMOVED FROM CONSTRUCTION AREA AND SPREAD OVER ANY DISTURBED AREAS PRIOR TO REVEGETATION. TOPSOIL STOCKPILES MUST BE PROTECTED FROM EROSION.
  - PROTECT BARE SOIL AREAS EXPOSED BY GRADING ACTIVITIES WITH TEMPORARY VEGETATION OR MULCHES.
  - USE SEDIMENT BASINS TO TRAP DEBRIS AND SEDIMENT WHICH WILL PREVENT THESE MATERIALS FROM MOVING OFF SITE.
  - USE DIVERSIONS TO DIRECT WATER AROUND THE CONSTRUCTION AREA AND AWAY FROM EROSION PRONE AREAS TO POINTS OF SAFE DISPOSAL.
  - USE TEMPORARY CULVERTS OR BRIDGES WHEN CROSSING STREAMS WITH EQUIPMENT.
  - PLACE CONSTRUCTION FACILITIES, MATERIALS, AND EQUIPMENT STORAGE AND MAINTENANCE AREAS AWAY FROM DRAINAGE WAYS.
- PROTECT AREA AFTER CONSTRUCTION.**
  - ESTABLISH GRASS OR OTHER SUITABLE VEGETATION ON ALL DISTURBED AREAS, SELECT SPECIES ADAPTED TO THE SITE CONDITIONS AND THE FUTURE USE OF THE AREA. FINAL GRASSES SHALL BE SEED WITHIN 72 HOURS, STABILIZATION SHALL BE DEFINED AS 85% VEGETATIVE COVER.
  - MAINTAIN VEGETATED AREAS USING PROPER VEGETATIVE BEST MANAGEMENT PRACTICES DURING THE CONSTRUCTION PERIOD.
  - MAINTAIN NECESS STRUCTURAL BEST MANAGEMENT PRACTICES AND REMOVE SEDIMENT FROM DETENTION POND AND SEDIMENT BASINS AS NEEDED.
  - DETERMINE RESPONSIBILITY FOR LONG TERM MAINTENANCE OF PERMANENT BEST MANAGEMENT PRACTICES.
  - IF CONSTRUCTION IS ANTICIPATED DURING WINTER MONTHS, REFER TO 'COLD WEATHER SITE STABILIZATION REQUIREMENTS'.
- INVASIVE SPECIES AND FUGITIVE DUST**
  - THE PROJECT SHALL NOT CONTRIBUTE TO THE SPREAD OF INVASIVE SPECIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EVALUATE WORK AREAS FOR THE PRESENCE OF INVASIVE SPECIES, AND IF FOUND SHALL TAKE NECESSARY MEASURES TO PREVENT THEIR SPREAD IN ACCORDANCE WITH RSA 430:51-57 AND ASR 300A. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT THE INTRODUCTION OF INVASIVE SPECIES BY INSPECTING AND CLEANING ALL EQUIPMENT ARRIVING ON SITE.
  - FUGITIVE DUST SHALL BE CONTROLLED IN ACCORDANCE WITH ENVA-1000.

**CONSTRUCTION NOTES FOR SEDIMENT FENCE**

- WOVEN WIRE FENCE, IF REQUIRED, TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>

**SEDIMENT FENCE**



**ROCK CHECK DAM DETAIL**

NO SCALE

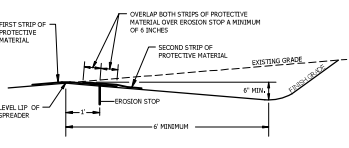
- NOTES**
- CONSTRUCT ROCK CHECK DAMS WHERE INDICATED ON THE PLANS OR AS NECESSARY.
  - CONSTRUCT SPILLWAY IN CENTER OF ROCK CHECK DAM IF BELOW TOP OF CHANNEL.
  - THE MAXIMUM SPACING BETWEEN THE CHECK DAMS SHOULD BE SUCH THAT THE TOP OF THE UPLEAK CHECK DAM IS AT THE SAME ELEVATION AS THE SPILLWAY ELEVATION OF THE DOWNSTREAM CHECK DAM; THIS WILL VARY DEPENDING ON THE SLOPE OF THE CHANNEL.
  - ROCK CHECK DAMS SHALL CONSIST OF A WELL GRADED FILLTURE OF 2\"/>



NO SCALE

**LEVEL LIP SPREADER INSTALLATION**

- CONSTRUCT THE LEVEL SPREADER LIP ON A ZERO PERCENT GRADE TO INSURE UNIFORM SPREADING OF RUNOFF.
- LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON FILL.
- AN EROSION STOP SHALL BE PLACED VERTICALLY A MINIMUM OF SIX INCHES DEEP IN A SLIT TRENCH ONE FOOT BACK OF THE LEVEL LIP AND PARALLEL TO THE LIP. THE EROSION STOP SHALL EXTEND THE ENTIRE LENGTH OF THE LEVEL LIP.
- THE ENTIRE LEVEL SHALL BE PROTECTED BY PLACING TWO STRIPS OF JUTE OR EXCLOSIDOR MATTING ALONG THE LIP, EACH STRIP SHALL OVERLAP THE EROSION STOP BY AT LEAST SIX INCHES.
- THE ENTRANCE CHANNEL TO THE LEVEL SPREADER SHALL NOT EXCEED A 1 PERCENT GRADE FOR AT LEAST 50 FEET BEFORE ENTERING INTO THE SPREADER.
- THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET ONTO STABILIZED AREAS, WATER SHOULD NOT RE-CONCENTRATE IMMEDIATELY BELOW THE SPREADER.
- PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PERFORMED.
- PROTECTIVE MATERIAL AND EROSION STOP SHALL BE NORTH AMERICAN GREEN CL-25 EROSION CONTROL BLANKET OR APPROVED EQUAL.



**LEVEL SPREADER DETAIL**

NO SCALE

SOURCE: ROCKINGHAM COUNTY CONSERVATION SERVICE

**CONSTRUCTION SEQUENCE**

- PREPARE AN EROSION CONTROL PLAN OR A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- INSTALL CONSTRUCTION ENTRANCE, SEE DETAIL.
- CUT AND CLEAR TREES WITHIN THE CLEARING LIMITS.
- INSTALL SEDIMENT FENCES, ROCK CHECK DAMS, AND OTHER APPROPRIATE EROSION CONTROL MEASURES AT LOCATIONS SHOWN ON THE PLANS AND AS NEEDED.
- GRUB SITE WITHIN GRADING LIMITS.
- STRIP AND STOCKPILE TOPSOIL AND INSTALL EROSION CONTROL MEASURES.
- INSTALL/ADJUST SEDIMENT FENCE, CHECK DAMS, AND HAYBALES, AS REQUIRED.
- CONSTRUCT PERMANENT STORMWATER CONTROLS AS SOON AS PRACTICAL, DO NOT DIRECT STORMWATER TOWARD TREATMENT BASINS, PONDS, SWALES, DITCHES AND LEVEL SPREADERS UNTIL THEY HAVE BEEN STABILIZED.
- PROCEED WITH WORK LIMITING THE DURATION OF DISTURBANCE, THE MAXIMUM OF UNCOVERED DISTURBED EARTH AT ANY ONE TIME IS FIVE ACRES, THE MAXIMUM LENGTH OF TIME THAT DISTURBED EARTH MAY BE LEFT UNSTABILIZED IS 45 DAYS.
- BEGIN SEEDING AND MULCHING IMMEDIATELY AFTER GRADING, ALL DISTURBED AREAS SHALL BE STABILIZED WITH APPROVED METHODS WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
- AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
  - A BAY COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED; B) A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED; C) A MINIMUM OF 2\"/>
- PAVE ROADWAYS AND/OR PARKING AREAS.
- PLACE TOPSOIL, SEED AND MULCH.
- COMPLETE ALL REMAINING PERMANENT EROSION CONTROL STRUCTURES.
- MONITOR THE SITE AND MAINTAIN STRUCTURES AS NEEDED UNTIL FULL VEGETATION IS ESTABLISHED.



**NH STATE PARKS**  
Campground Expansion Project PH  
Mollidgewock State Park  
1437 Berlin Road  
Berlin, NH  
03579

Issue  
**80% DESIGN**

Scale: N/A

Date: November 22, 2023

Drawn By: DW

Checked By: RH

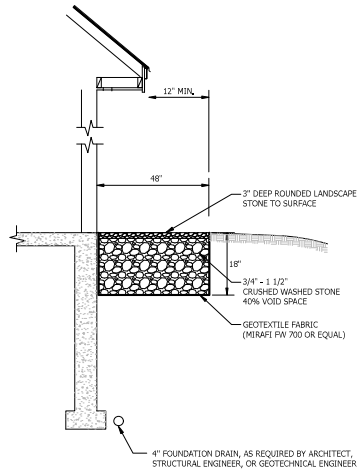
Issues:

No.	Description	Date
1	Name	00/00/00

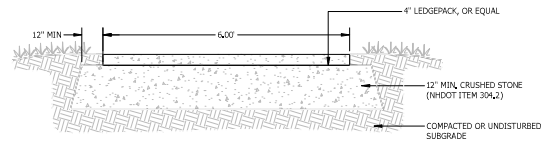
Title: **EROSION CONTROL DETAILS**  
Sheet Number: **C3.00**

Project Number: 23045001  
File: 220838 - x-site.dwg

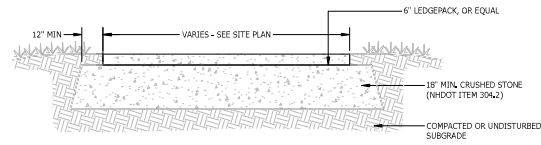
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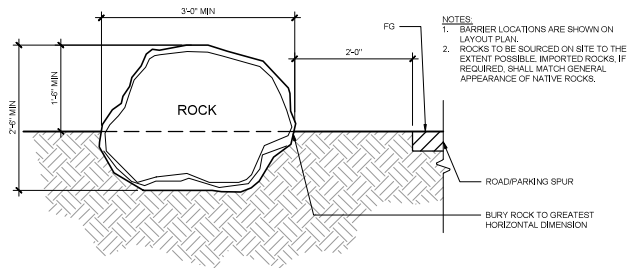
**INFILTRATING STONE DRIP EDGE DETAIL**  
NOT TO SCALE



**TYPICAL LEDGE PACK WALKWAY SECTION**  
NOT TO SCALE



**TYPICAL LEDGE PACK PARKING AREA SECTION DETAIL**  
NOT TO SCALE



**BARRIER ROCK DETAIL**  
1" = 1'-0"

- NOTES:**
1. BARRIER LOCATIONS ARE SHOWN ON LAYOUT PLAN.
  2. ROCKS TO BE SOURCED ON SITE TO THE EXTENT POSSIBLE. IMPORTED ROCKS, IF REQUIRED, SHALL MATCH GENERAL APPEARANCE OF NATIVE ROCKS.

**NH STATE PARKS**

Campground Expansion Project PII  
Mollidgewock State Park  
1437 Berlin Road  
Berlin, NH  
03579

Issue  
**80% DESIGN**

Scale: N/A  
Date: November 22, 2023  
Drawn By: DW  
Checked By: RH

Issues:

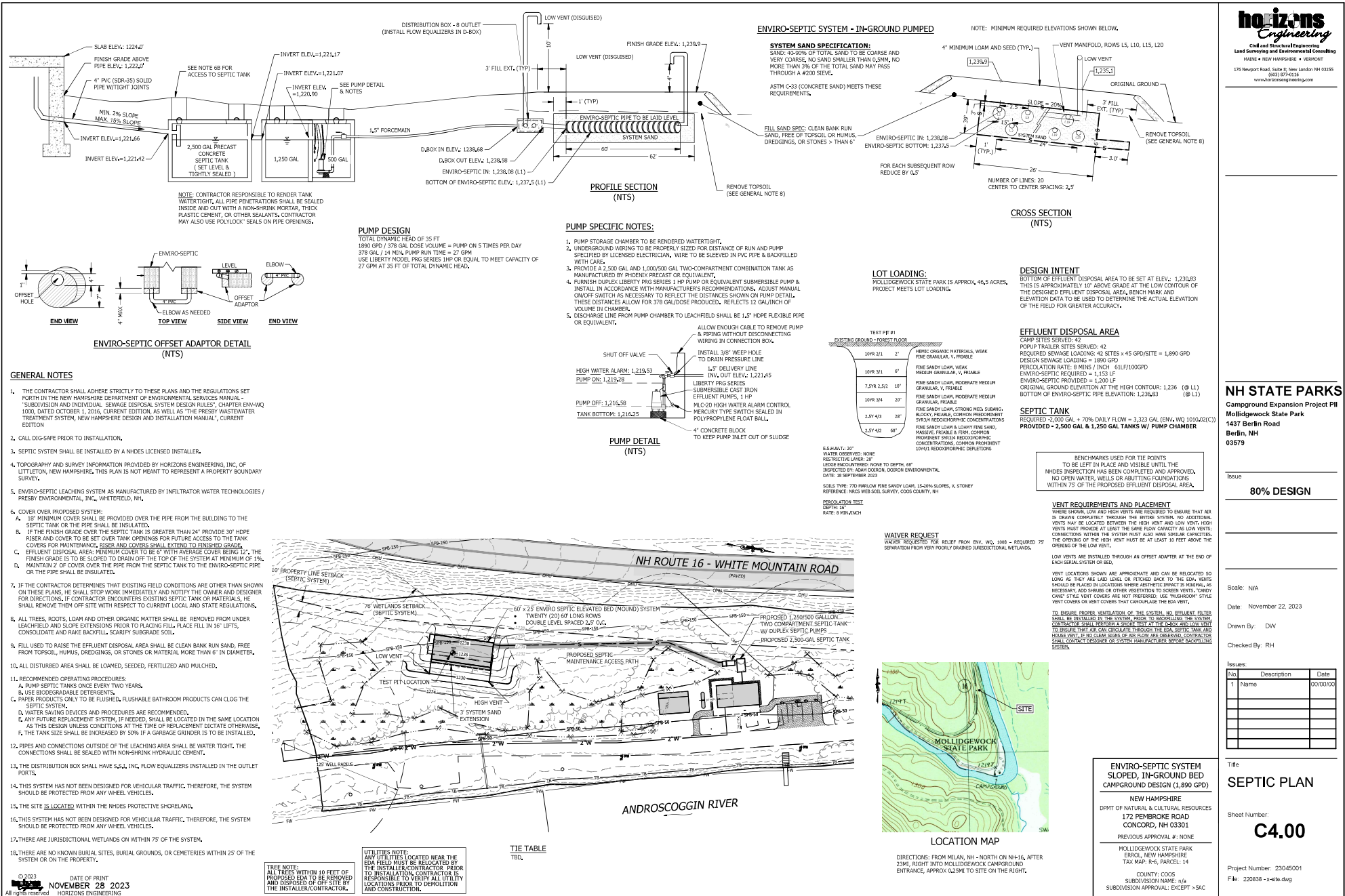
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1	Name	00/00/00

Title  
**CIVIL DETAILS**

Sheet Number:  
**C3.01**

**PROGRESS PRINT  
NOT FOR CONSTRUCTION**

Project Number: 23045001  
File: 220838 - x-site.dwg



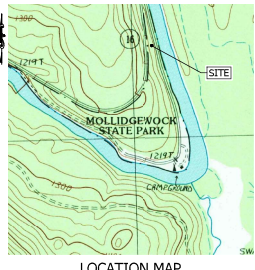
Issues:

No.	Description	Date
1	Name	00/00/00

**ENVIRO-SEPTIC SYSTEM SLOPED, IN-GROUND BED CAMPGROUND DESIGN (1,890 GPD)**

NEW HAMPSHIRE  
 DPWT OF NATURAL & CULTURAL RESOURCES  
 172 PEMBOKE ROAD  
 CONCORD, NH 03301  
 PREVIOUS APPROVAL #: NONE

MOLLIDGEWOCK STATE PARK  
 EROSION, NEW HAMPSHIRE  
 TAX MAP: 164, RESOURCES  
 COUNTY CODES  
 SUBDIVISION NAME: n/a  
 SUBDIVISION APPROVAL: EXCEPT > SAC



DIRECTIONS: FROM MILAN, NH - NORTH ON NH-16, AFTER 23MI, RIGHT INTO MOLLIDGEWOCK CAMPGROUND ENTRANCE, APPROX 450M TO SITE ON THE RIGHT.

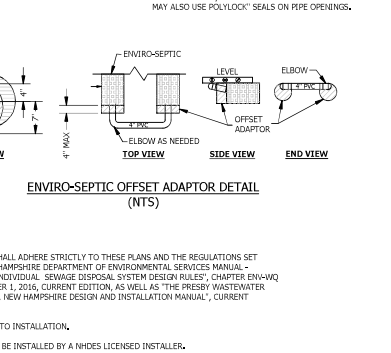
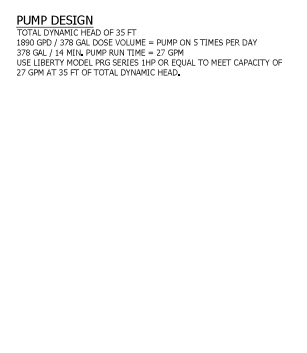
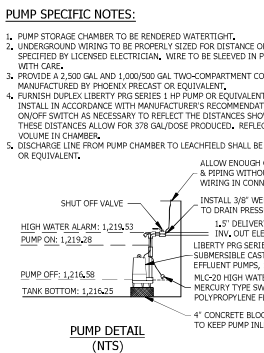
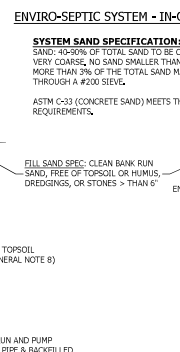
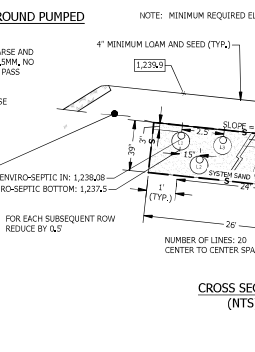
**WAIVER REQUEST**  
 WAIVER REQUESTED FOR REFILL FROM ENV. WD, 1008 - REQUIRED 75' SEPARATION FROM NEAR POINTS OF JURISDICTIONAL WETLANDS.

**REGULATION TEST**  
 DEPTH: 50"  
 RATE: 8 IN/HOUR

TEST PIT #1

EXISTING GROUND - FOREST FLOOR	TEST PIT #1	PERCENTAGE OF ORGANIC MATERIALS, WEAK
109K 2/1	2'	FINE GRANULAR, V, FRAGILE
109K 3/1	6"	FINE SANDY LOAM, WEAK MODERATE GRANULAR, V, FRAGILE
7,61K 2/02	10"	FINE SANDY LOAM, MODERATE MEDIUM GRANULAR, V, FRAGILE
109K 3/4	20"	FINE SANDY LOAM, MODERATE MEDIUM GRANULAR, FRAGILE
2,574/2	20"	FINE SANDY LOAM, STRONG MED. SUBANG. BLOCKY, FRAGILE, COMMON PROMINENT SW/SH REDOXICHOFORMIC CONCENTRATIONS
2,574/2	60"	FINE SANDY LOAM & LOAMY FINE SAND, MASSIVE, FRAGILE & FIRM, COMMON PROMINENT SW/SH REDOXICHOFORMIC CONCENTRATIONS, COMMON PROMINENT 10/14% REDOXICHOFORMIC DEPLETIONS

**LOT LOADING:**  
 BOTTOM OF MOLLIDGEWOCK STATE PARK IS APPROX. 46.5 ACRES. PROJECT MEETS LOT LOADING.



- GENERAL NOTES**
- THE CONTRACTOR SHALL ADHERE STRICTLY TO THESE PLANS AND THE REGULATIONS SET FORTH IN THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES MANUAL - "SUBDIVISION AND INDIVIDUAL SEWAGE DISPOSAL SYSTEM DESIGN RULES, CHAPTER ENV-WQ 1000, DATED OCTOBER 1, 2016, CURRENT EDITION, AS WELL AS THE PRESBY WASTEWATER TREATMENT SYSTEM, NEW HAMPSHIRE DESIGN AND INSTALLATION MANUAL, CURRENT EDITION.
  - CALL DIG-SAFE PRIOR TO INSTALLATION.
  - SEPTIC SYSTEM SHALL BE INSTALLED BY A NHDES LICENSED INSTALLER.
  - TOPOGRAPHY AND SURVEY INFORMATION PROVIDED BY HORIZONS ENGINEERING, INC. OF LITTLETON, NEW HAMPSHIRE. THIS PLAN IS NOT MEANT TO REPRESENT A PROPERTY BOUNDARY SURVEY.
  - ENVIRO-SEPTIC LEACHING SYSTEM AS MANUFACTURED BY INFILTRATOR WATER TECHNOLOGIES / PRESBY ENVIRONMENTAL, INC., WHITEFIELD, NH.
  - COVER OVER PROPOSED SYSTEM:
    - 18" MINIMUM COVER SHALL BE PROVIDED OVER THE PIPE FROM THE BUILDING TO THE SEPTIC TANK OR THE PIPE SHALL BE INSULATED.
    - IF THE FINISH GRADE OVER THE SEPTIC TANK IS GREATER THAN 24" PROVIDE 30" HDPE RISER AND COVER TO BE SET OVER TANK OPENINGS FOR FUTURE ACCESS TO THE TANK COVERS FOR MAINTENANCE. RISER AND COVERS SHALL EXTEND TO FINISHED GRADE.
    - EFFLUENT DISPOSAL AREA: MINIMUM COVER TO BE 6" WITH AVERAGE COVER BEING 12". THE FINISH GRADE IS TO BE SLOPED TO DRAIN OFF THE TOP OF THE SYSTEM AT MINIMUM OF 1%. MAINTAIN 2" OF COVER OVER THE PIPE FROM THE SEPTIC TANK TO THE ENVIRO-SEPTIC PIPE OR THE PIPE SHALL BE INSULATED.
  - IF THE CONTRACTOR DETERMINES THAT EXISTING FIELD CONDITIONS ARE OTHER THAN SHOWN ON THESE PLANS, HE SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND DESIGNER FOR DIRECTIONS. IF CONTRACTOR ENCOUNTERS EXISTING SEPTIC TANK OR MATERIALS, HE SHALL REMOVE THEM OFF SITE WITH RESPECT TO CURRENT LOCAL AND STATE REGULATIONS.
  - ALL TREES, ROOTS, LOAM AND OTHER ORGANIC MATTER SHALL BE REMOVED FROM UNDER LEACHFIELD AND SLOPE EXTENSIONS PRIOR TO PLACING FILL. PLACE FILL IN 16" LIFTS, CONSOLIDATE AND MAKE SURE FULL-SHAFTY SUBGRADE 5001.
  - FILL USED TO RAISE THE EFFLUENT DISPOSAL AREA SHALL BE CLEAN BANK RUN SAND, FREE FROM TOPSOIL, HUMUS, DREDGINGS, OR STONES OR MATERIAL MORE THAN 6" IN DIAMETER.
  - ALL DISTURBED AREA SHALL BE LOAMED, SEED, FERTILIZED AND MULCHED.
  - RECOMMENDED OPERATING PROCEDURES:
    - PUMP SEPTIC TANKS ONLY EVERY TWO YEARS.
    - USE BIODEGRADABLE DETERGENTS.
    - PAPER PRODUCTS ONLY TO BE FLUSHED, FLUSHABLE BATHROOM PRODUCTS CAN CLOG THE SEPTIC SYSTEM.
    - WATER SAVING DEVICES AND PROCEDURES ARE RECOMMENDED.
    - ANY FUTURE REPLACEMENT SYSTEM, IF NEEDED, SHALL BE LOCATED IN THE SAME LOCATION AS THIS DESIGN UNLESS CONDITIONS AT THE TIME OF REPLACEMENT DICTATE OTHERWISE. THE TANK SIZE SHALL BE INCREASED BY 50% IF A GARBAGE GRINDER IS TO BE INSTALLED.
  - PIPES AND CONNECTIONS OUTSIDE OF THE LEACHING AREA SHALL BE WATER TIGHT, THE CONNECTIONS SHALL BE SEALED WITH NON-SHREK HYDRAULIC CEMENT.
  - THE DISTRIBUTION BOX SHALL HAVE S&S, INC. FLOW EQUALIZERS INSTALLED IN THE OUTLET PORTS.
  - THIS SYSTEM HAS NOT BEEN DESIGNED FOR VEHICULAR TRAFFIC, THEREFORE, THE SYSTEM SHOULD BE PROTECTED FROM ANY WHEEL VEHICLES.
  - THE SITE IS LOCATED WITHIN THE NHDES PROTECTIVE SHORELAND.
  - THIS SYSTEM HAS NOT BEEN DESIGNED FOR VEHICULAR TRAFFIC, THEREFORE, THE SYSTEM SHOULD BE PROTECTED FROM ANY WHEEL VEHICLES.
  - THERE ARE JURISDICTIONAL WETLANDS ON WITHIN 75' OF THE SYSTEM.
  - THERE ARE NO KNOWN BURIAL SITES, BURIAL GROUNDS, OR CEMETERIES WITHIN 25' OF THE SYSTEM OR ON THE PROPERTY.

**UTILITIES NOTE:**  
 ANY UTILITIES LOCATED NEAR THE ERM FIELD MUST BE RELOCATED BY THE INSTALLER/CONTRACTOR PRIOR TO INSTALLATION. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL UTILITY LOCATIONS PRIOR TO DEMOLITION AND CONSTRUCTION.

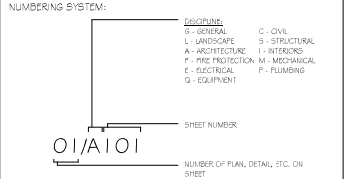
# ABBREVIATIONS LIST

THE FOLLOWING TABLE OF ABBREVIATIONS IS FOR THE CONVENIENCE OF THE CONTRACTOR AND MAY NOT INCLUDE ALL ABBREVIATIONS USED IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROMPTLY CONTACT THE ARCHITECT IF CLARIFICATIONS OR INTERPRETATION OF THESE OR ANY ABBREVIATIONS USED IN THE CONSTRUCTION DOCUMENTS IS REQUIRED.

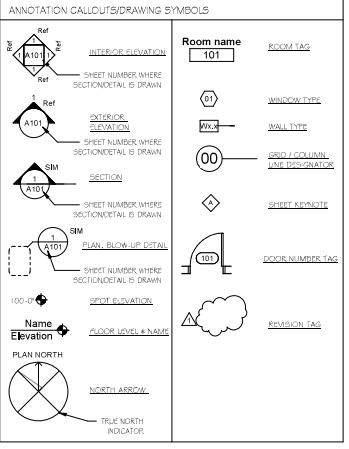
A	AIR CONDITION	D	DEPTH	L	LAMINATE	R	RADIUS
AC	AIR CONDITONING UNIT	DBL	DOUBLE	LAV	LAVATORY	RIB	REINBURT BARGE
ACD	ARCHITECT/DRAWER	DEM0	DEMOLITION	LBS	POUND	RBR	RIBBON
AS	ANCHOR BOLT	DEFT	DEFICIENT	LFT	LINEAR FEET (FOOT)	RCC	REFLECTED CEILING PLAN
ABV	ABOVE	DET	DETAIL	LH	LEFT HAND	RCP	REFLECTED CEILING PLAN
ACC	ACCESSIBLE	DN	DIMETER	LN	LINEAR	RI	RIGHT HAND
ACS DR	ACCESS DOOR	LN	LINEAR	LDK	LOCKER	RIS	RIGID INSULATION, SOLID
ACS FNL	ACCESS PANEL	DK	DIRECTION	LDK	LOCKER	REF	REFERENCE
ACS	ACCUUSTICAL CEILING TILE	DST	DISTANCE	LDR	LOCKER DOOR	RFM	REMOVABLE
ADM	ADJUVANTS WITH DISABILITIES ACT	DV	DIVISION	LDR	LOCKER DOOR	RFM	REMOVABLE
ADMN	ADMINISTRATION	DN	DOWN	LDR	LOCKER DOOR	RFM	REMOVABLE
A/C	ABOVE FINISHED COUNTER	DCC	DOCUMENT	LVR	LOUVER	RFM	REMOVABLE
APF	ABOVE FINISHED FLOOR	DK	DOOR	M	MACH	RESQ	REQUIRED
ASB	ABOVE FINISHED GRADE	DN	DOWN/OUT	RESQ	REQUIRED	RESUL	RESURFUT
A/S	ABOVE FINISHED SUB	DW	DEWASHOUT	MACH RM	MACHINE ROOM	RESURF	RESURFUT
AGGR	AGGREGATE	DWG	DRAWING	MANUF	MANUFACTURER	REST	RESTROOM
AHL	AIR HANDLING UNIT	DWR	DRAINING	MATL	MATERIAL	RF	RESURFUT FLOORING
AB	AIR INFILTRATION BARRIER	OF	OF	MAX	MAXIMUM	RFG	ROOFING
ALT	ALTERATE	OF	OF	MCH	MECHANICAL	RFH	RIGHT HAND
ALUM	ALUMINUM	SA	EACH	MCH RM	MECHANICAL ROOM	RHR	RIGHT HAND REVERSE
AWD	AIR/WALL	EA	EACH FACE	MEMS	MEMBRANE	RL	ROOF LADDER
AZD	AUTOMATIC DOOR OPERATOR	SFS	SCHED. INSULATION 4 FINISH SYSTEM	MF	MILL FINISH	RSG	RAILING
APC	ACOUSTICAL PANEL, CEILING	CJ	EXPANSION JOINT	MFR	MANUFACTURER	RM	ROOM
APPROX	APPROXIMATE	SI	EACH SIDE	MH	MHF HOODER	RND	ROUNDER OPENING
AS	AS REQUIRED	SL	ELEVATION	MD	MIDDLE	RSD	ROLLING STEEL DOOR
ARCH	ARCHITECT	ELV	ELEVATOR	MIN	MINIMUM, MINUTE	RV	ROOF VENT
ASC	ABOVE SUSPENDED CEILING	DNK	DRAIN	MNK	MARK	RSV	ROOF VENT
ASBY	ASSEMBLY	EPS	EXPANDED POLYSTYRENE BOARD	MISC	MISCELLANEOUS	RSL	RADIANT
AVG	AVERAGE	EQAL	EQUAL	MOLD	MOLDING (MOLDINGS)	S	SCHEDULE
AW	ARCHITECTURAL WOODWORK	EQIP	EQUIPMENT	NO	MASKING OPENING	SB	SPLASH BLOCK
AWP	ACOUSTICAL WALL PANEL	EST	ESTIMATED	MOD	MODIFY	SCHD	SCHEDULE
B	BASE	EXP	EXPANDED	MR	MEASURE RESISTANCE	SCHE	SCHEDULE
BALC	BALCONY	EXT	EXTERIOR	MTG	MOUNTING	SEIT	SEWER
BB	BASEBOARD	GR	GRADE	NETA	NET	SFM	SOFT FLOOR
BC	BLOCKAGE	GR	GRADE	MVL	MOUNTABLE	SGL	SINGLE
BOD	BODY GRABING STATION	GR	GRADE	MWP	MEMBRANE WATERPROOFING	SHT	MFL FLASH SHEET METAL (FLASHING)
BO	BOARD	FA	FIRE ALARM	N	NORTH	SHTG	SHEATING
BOKR	BUILDING	FAP	FIRE ALARM ANNUNCIATOR PANEL	NA	NOT APPLICABLE	SHV	SHELVING
BFF	BELLOW FINISH FLOOR	PAS	PASCO BOARD	NPA	NATIONAL FIRE PROTECTION ASSOCIATION	SM	SMALL
BMHA	BUILDING HARDWARE	FCD	FLOOR CLEANOUT	ND	NUMBER	SND	SOUND JOINT
BMA	MECHANICAL ENGINEERS ASSOCIATION	FDR	FLOOR DRAIN	NIC	NOT IN CONTRACT	SNT	SUBMIT
BIT	BUILDING	FDN	FOUNDATION	NO	NUMBER	SMK	SMOKE
B/DG	BUILDING	FR	FIRE EXTINGUISHER	NO	NUMBER	SMLS	SMALLS
B/G	BUILDING	FRG	FIRE EXTINGUISHER CABINET	NOM	NOMINAL	SND	SOUND JOINT
B/IN	BUILT IN	FP	FRESH PAINT	NP	NO PAINT	SPD	SOAP DISPENSER
BR	BUILDING	FL	FLOOR FINISH ELEVATION	NF	NO FINISH	WEG	WATER REDUCTION COEFFICIENT
BO	BOTTOM OF	FL	FLOOR FINISH ELEVATION	NTS	NOT TO SCALE	SFF	SFRAY FLOOR/STAIR FLOOR
BOS	BOTTOM OF STEEL	FL	FLOOR FINISH ELEVATION	NTS	NOT TO SCALE	SFG	SFRAY FLOOR/STAIR FLOOR
BTM	BOTTOM	FR	FIRE EXTINGUISHER	OC	ON CENTER	SQ	SQUARE
BP	BUILDING PAPER	FB	FRESH PAINT	OC	ON CENTER	SQ IN	SQUARE INCH
BRKT	BRACKET	FN	FRESH PAINT	OD	OUTSIDE DIAMETER	SQ IN	SQUARE INCH
BSMT	BASINMENT	FN	FRESH PAINT	OS	OVERLAP	SS	SOLID SURFACE
BTWN	BETWEEN	FKT	FIXTURE	OSL	OUTSIDE TO OUTSIDE	SS	SOLID SURFACE
BUR	BUILDUP ROOFING	FLD	FLOOR	OSL	OUTSIDE TO OUTSIDE	ST	STEEL
C	CANT	FLX	FLEXIBLE	OFF	OFFICE	ST	STEEL
C	CANT	FLX	FLEXIBLE	OFF	OFFICE	ST	STEEL
C	CANT	FLX	FLEXIBLE	OFF	OFFICE	ST	STEEL
C	CANT	FLX	FLEXIBLE	OFF	OFFICE	ST	STEEL

C	CANT	FLX	FLEXIBLE	OFF	OFFICE	ST	STEEL
C	CANT	FLX	FLEXIBLE	OFF	OFFICE	ST	STEEL
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C	CANT	FLX	FLEXIBLE	OFF	OFFICE	ST	STEEL

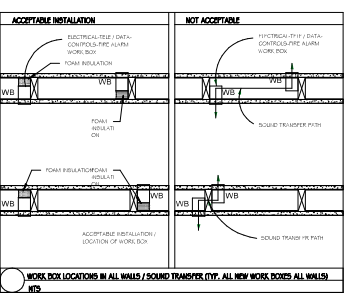
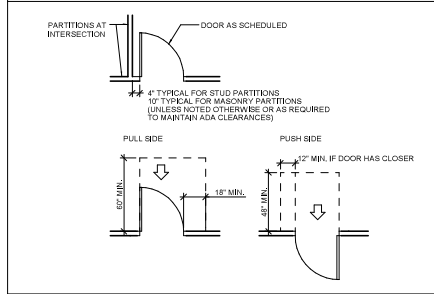
# DRAWING CALLOUT KEY



# LEGEND



# DOOR CLEARANCES



# SAMYN - D'ELIA ARCHITECTS, P.A.

P.O. Box 229  
Hooksett, NH 03245  
tel: (603) 968-7133

FOR REVIEW  
NOV. 29, 2023  
NOT FOR CONSTRUCTION

HVAC, Elec. & Plumb. Engineer:  
Charles P. Buckley, P.E.  
500 Depot Street  
Rumney, NH 03266  
tel: (603) 786-9992

Structural Engineer:  
Fisher Engineering, P.C.  
686 Bunkap Mountain Road  
Gilford, NH 03249  
tel: (603) 528-7411

# NH STATE PARKS

Campground Expansion Project #11  
Molligewock State Park  
1437 Berlin Road  
Errol, NH  
03579

Issue  
**80% DESIGN**  
Graphic Scale

North  
Scale: As indicated  
Date: Nov. 29, 2023  
Drawn By: MR  
Checked By: WD

No.	Description	Date

Title  
GENERAL NOTES,  
ABBREVIATIONS,  
ANNOTATIONS LEGENDS, &  
WALL TYPES  
Sheet Number:

# A0.01

Project Number: 2136A  
File:



**APPLICABLE BUILDING LIFE SAFETY CODES:**

- NH STATE BUILDING CODE FROM 1909\*
- INTERNATIONAL BUILDING CODE (IBC) - 2018 EDITION, AS AMENDED
- NEW HAMPSHIRE SAF-C 6000 FIRE CODE
- NFPA 1 FIRE CODE - 2018 EDITION
- NFPA 101 LIFE SAFETY CODE - 2018 EDITION - CHAPTER 36, "NEW VENUE/CENTRE"
- INTERNATIONAL ENERGY CONSERVATION CODE (IECC) - 2018 EDITION
- INTERNATIONAL PLUMBING CODE (IPC) - 2018 EDITION
- INTERNATIONAL MECHANICAL CODE (IMC) - 2018 EDITION
- NATIONAL ELECTRICAL CODE (NEC) - 2008
- APPLICABLE ACCESSIBILITY CODES & STANDARDS:
  - ICC A 117.1-2009 - ACCESSIBLE 4 USABLE BUILDINGS 4 FACILITIES

**PROPOSED FACILITY:**

**OVERALL FACILITY FIRE PROTECTION**

- SPRINKLER SYSTEM NOT REQUIRED (IBC 903.2.7)
- FIRE EXTINGUISHERS COMPLYING WITH IBC 902.1

**OCCUPANCY CLASSIFICATION:** IBC - BUSINESS (B) USC - CHAPTER 38, "NEW BUSINESS OCCUPANCIES"

**CONSTRUCTION CLASSIFICATION:** TYPE - VB (COMBUSTIBLE, NO RATING)

**BUILDING STORES & HEIGHT:** (IBC TABLES 504.3 & 504.4)

- ALLOWABLE STORES: 2 STORES
- PROPOSED STORES: 1 STORY = 223,673 SQ. FT.
- ALLOWABLE HEIGHT: 40'-0" (TO AVERAGE HEIGHT OF HIGHEST ROOF PLANE)
- PROPOSED HEIGHT: 19'-0" = 223,673 SQ. FT.

**BUILDING AREA:** (IBC TABLE 506.2)

- ALLOWABLE AREA (1ST FLOOR PLAN): 8,000 GSF
- PROPOSED AREA (1ST FLOOR PLAN): 1,585 GSF = 1,585,000 SQ. IN.

- STREET FRONTAGE INCREASE (IBC 506.2) - NOT REQUIRED
- SPRINKLER INCREASE (IBC 506.3) - NOT REQUIRED

- **TOTAL PROPOSED GROSS FLOOR AREA: 1,585 SF**

**FIRE RESISTANCE RATINGS REQUIREMENTS:**

- **BUILDING ELEMENTS:** (TABLE 601)
  - PRIMARY STRUCTURAL FRAME: 0 HR
  - EXTERIOR BEARING WALLS: 0 HR
  - INTERIOR BEARING WALLS: 0 HR
  - EXTERIOR NON-BEARING WALLS: 0 HR
  - INTERIOR NON-BEARING WALLS: 0 HR
  - FLOOR CONSTRUCTION: 0 HR
  - ROOF CONSTRUCTION: 0 HR

**MEANS OF EGRESS REQUIREMENTS:**

- MAXIMUM TRAVEL DISTANCE: 200 FEET (38.2.6.3)
- MAXIMUM DEAD-END CORRIDOR LENGTH: 20 FEET (38.2.5.2)
- MAXIMUM COMMON PATH OF TRAVEL: 75 FEET (38.2.5.3.1)
- INTERIOR FINISH, FLOORS: NO REQUIREMENTS (38.3.3.3)
- INTERIOR FINISH, WALLS AND CEILINGS: A, E, or C (38.3.3)

**ENERGY CODE - MINIMUM THERMAL ENVELOPE REQUIREMENTS:**

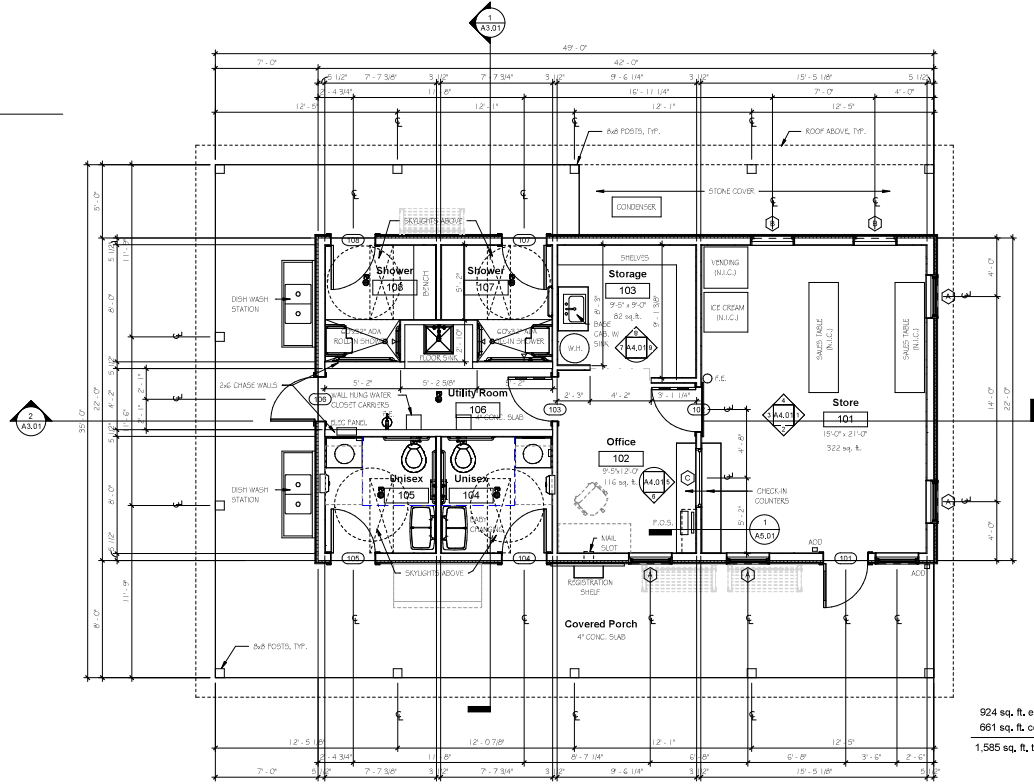
- BUILDING IS DRAIN-TIGHT

**PLUMBING REQUIREMENTS:**

- WATER CLOSETS: 1 MALE, 1 FEMALE
- LAVATOIRES: 1 MALE, 1 FEMALE
- SHOWERS: 2
- SERVICE SINK: 1

- ACCESSIBLE TOILET ROOMS: ALL NEW TOILET & SHOWER ROOMS ARE REQUIRED TO BE ACCESSIBLE (IBC CHAPTER 11), AN AMENDMENT TO IBC, SINGLE OCCUPANCY TOILETS MAY BE UNDER PROVIDED THE NUMBER OF WATER CLOSETS COMPIES WITH TABLE 2902.1.

**CODE SUMMARY**



924 sq. ft. enclosed building area  
 661 sq. ft. covered porch  
 1,585 sq. ft. total building area

**1 MAIN FLOOR PLAN**  
 Scale: 1/4" = 1'-0"

FOR REVIEW  
 NOV, 29, 2023  
 NOT FOR CONSTRUCTION

HVAC, Elec, & Plumb, Engineer:  
 Charles P. Buckley, P.E.  
 500 Depot Street  
 Rummy, NH 03266  
 tel: (603) 786-6992

Structural Engineer:  
 Fisher Engineering, P.C.  
 888 Belknap Mountain Road  
 Gilford, NH 03249  
 tel: (603) 528-7641

**NH STATE PARKS**  
 Campground Expansion Project PH  
 Mollidgewock State Park  
 1437 Berlin Road  
 Errol, NH  
 03579

Issue  
**80% DESIGN**  
 Graphic Scale

North

Scale: As Indicated

Date: Nov, 29, 2023

Drawn By: MR

Checked By: WD

Issues:

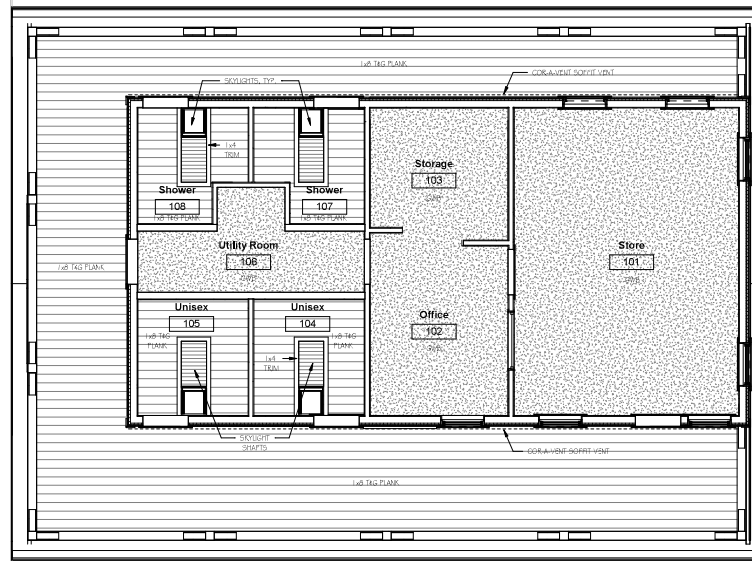
No.	Description	Date

Title  
**MAIN FLOOR PLAN**

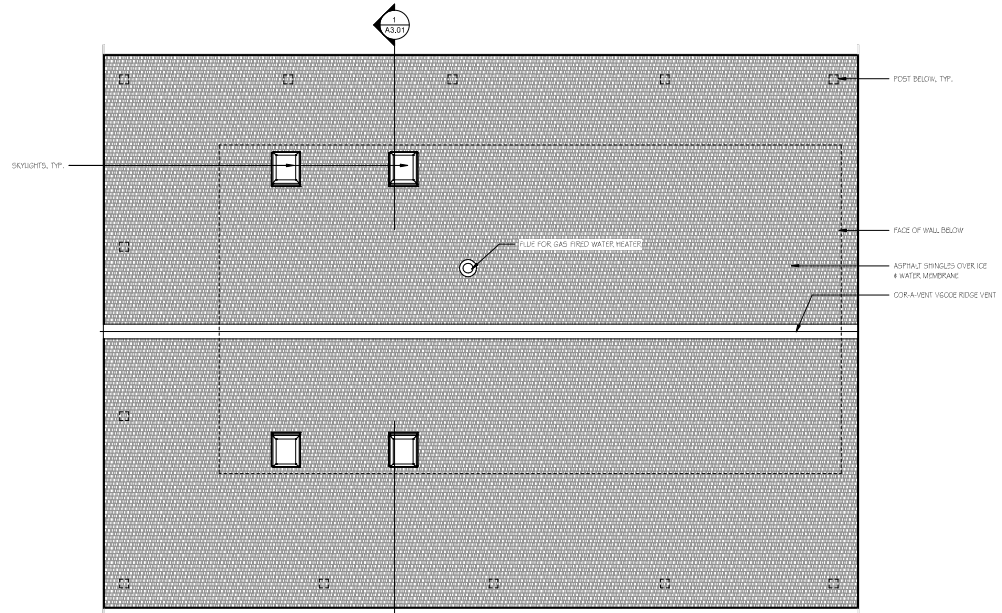
Sheet Number:  
**A1.01**

Project Number: 2136A  
 File:

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**2 MAIN LEVEL REFLECTED CEILING PLAN**  
Scale: 1/4" = 1'-0"



**1 ROOF PLAN**  
Scale: 1/4" = 1'-0"

**SAMYN - D'ELIA**  
ARCHITECTS, P.A.

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**FOR REVIEW**

NOV. 29, 2023

NOT FOR CONSTRUCTION

HVAC, Elec. & Plumb, Engineer:  
Charles P. Buckley, P.E.,  
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Structural Engineer:  
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**NH STATE PARKS**

Campground Expansion Project PH  
Mollidgewock State Park  
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03579

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Graphic Scale

North



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

Date: Nov. 29, 2023

Drawn By: MIR

Checked By: WJD

Issues:

No.	Description	Date

Title

**MAIN FLOOR REFLECTED  
CEILING & ROOF PLAN**

Sheet Number:

**A1.02**

Project Number: 2136A

File:

**FOR REVIEW**

NOV, 29, 2023

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HVAC, Elec, & Plumb, Engineer:  
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**NH STATE PARKS**

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**Mollidgewock State Park**  
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03579

Issue

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Graphic Scale

North

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

Date: Nov, 29, 2023

Drawn By: MR

Checked By: WD

Issues:

No.	Description	Date

Title

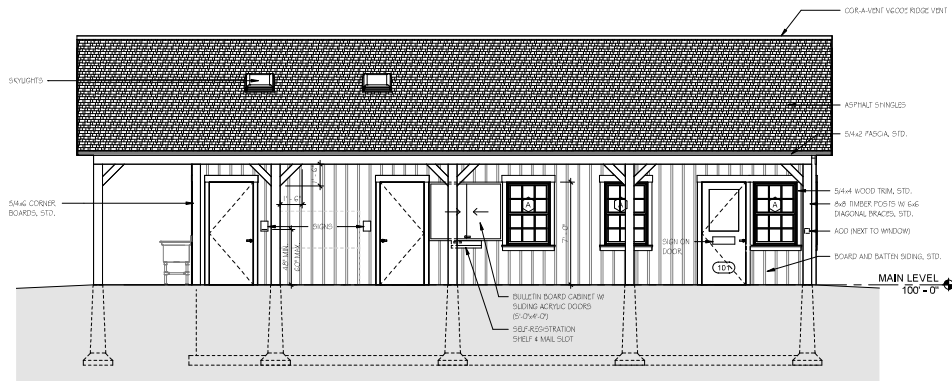
**EXTERIOR ELEVATIONS**

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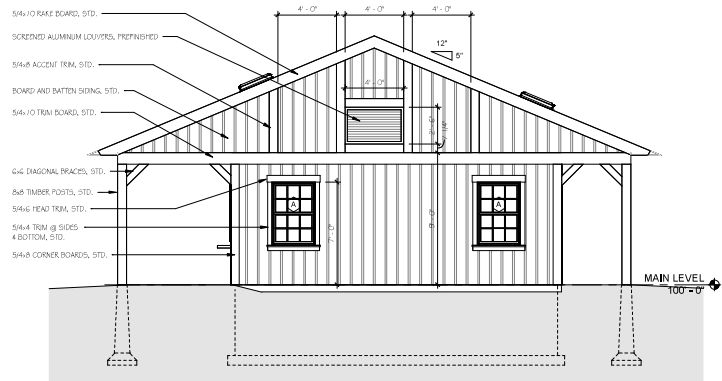
**A2.01**

Project Number: 2136A

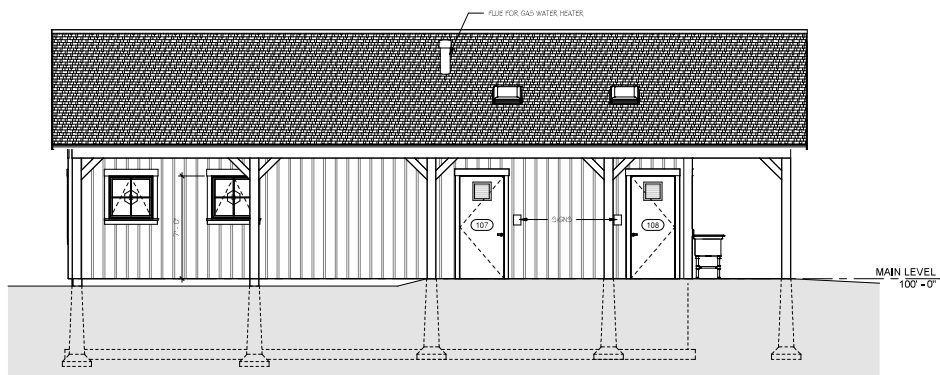
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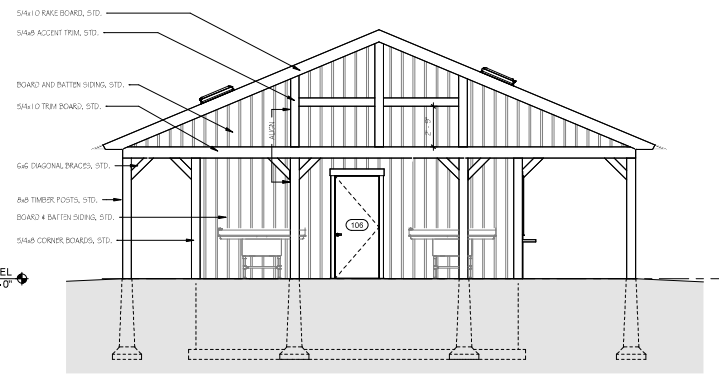
**2 EAST ELEVATION**  
Scale: 1/4" = 1'-0"



**1 NORTH ELEVATION**  
Scale: 1/4" = 1'-0"



**4 WEST ELEVATION**  
Scale: 1/4" = 1'-0"



**3 SOUTH ELEVATION**  
Scale: 1/4" = 1'-0"

**FOR REVIEW**  
NOV. 29, 2023  
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**NH STATE PARKS**  
**Campground Expansion Project #11**  
**Mollidgewock State Park**  
1437 Berlin Road  
Errol, NH  
03579

Issue

**80% DESIGN**

Graphic Scale

North

Scale: As Indicated

Date: Nov. 29, 2023

Drawn By: MR

Checked By: WD

Issues:

No.	Description	Date

Title

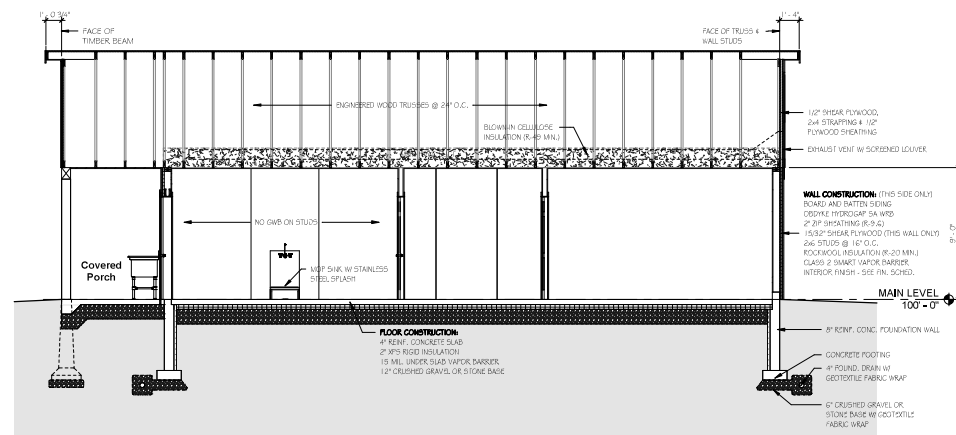
**BUILDING & WALL SECTIONS**

Sheet Number:

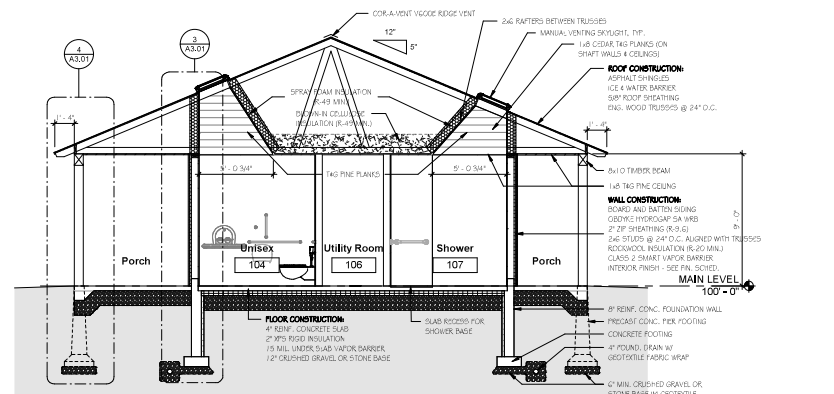
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Project Number: 2136A

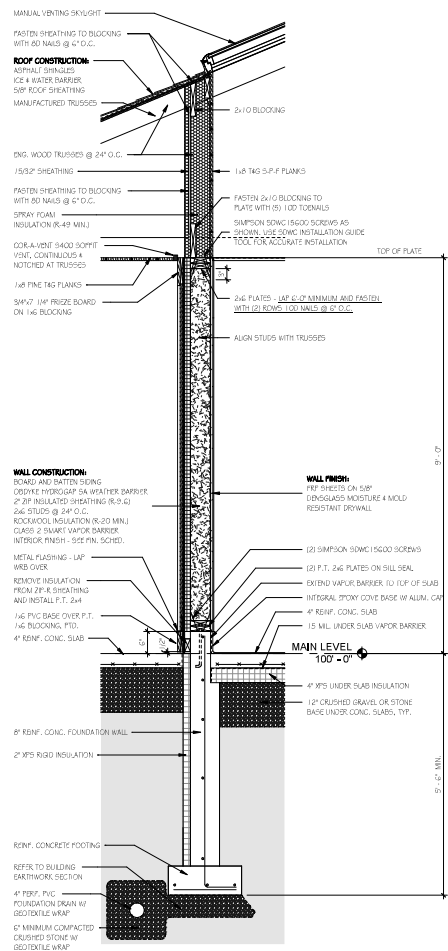
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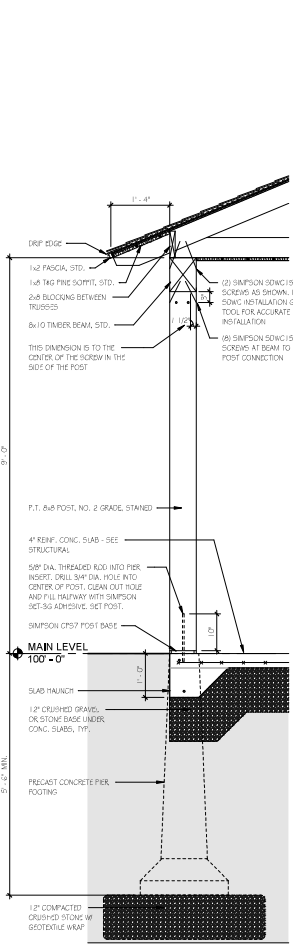
**2 BUILDING SECTION B**  
Scale: 1/4" = 1'-0"



**1 BUILDING SECTION A**  
Scale: 1/4" = 1'-0"



**3 WALL SECTION 1**  
Scale: 3/4" = 1'-0"



**4 WALL SECTION 2**  
Scale: 3/4" = 1'-0"

**FOR REVIEW**  
 NOV, 29, 2023  
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**NH STATE PARKS**  
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 Mollidgewock State Park  
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 03579

Issue  
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 Graphic Scale

North  
 Scale: As Indicated

Date: Nov, 29, 2023  
 Drawn By: MR  
 Checked By: WID

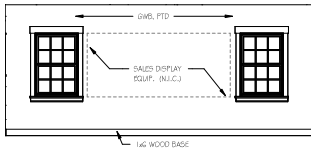
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No.	Description	Date

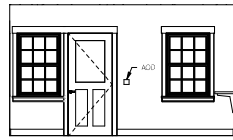
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**INTERIOR ELEVATIONS**

Sheet Number:  
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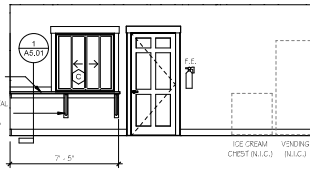
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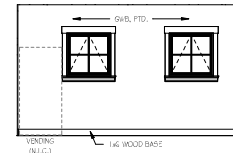
**1 STORE - NORTH**  
 Scale: 1/4" = 1'-0"



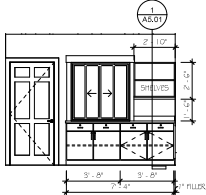
**2 STORE - EAST**  
 Scale: 1/4" = 1'-0"



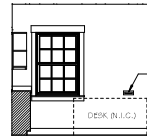
**3 STORE - SOUTH**  
 Scale: 1/4" = 1'-0"



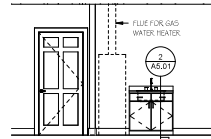
**4 STORE - WEST**  
 Scale: 1/4" = 1'-0"



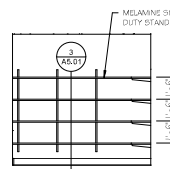
**5 OFFICE - NORTH**  
 Scale: 1/4" = 1'-0"



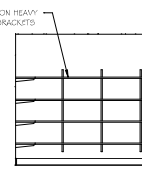
**6 OFFICE - EAST**  
 Scale: 1/4" = 1'-0"



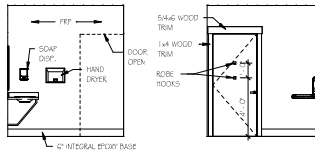
**7 STORAGE - SOUTH**  
 Scale: 1/4" = 1'-0"



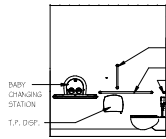
**8 STORAGE - WEST**  
 Scale: 1/4" = 1'-0"



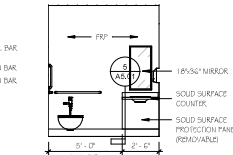
**9 STORAGE - NORTH**  
 Scale: 1/4" = 1'-0"



**10 UNISEX - NORTH**  
 Scale: 1/4" = 1'-0"

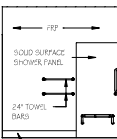


**11 UNISEX - EAST**  
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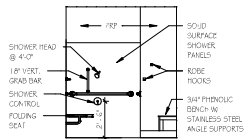


**12 UNISEX - SOUTH**  
 Scale: 1/4" = 1'-0"

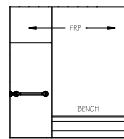
**13 UNISEX - WEST**  
 Scale: 1/4" = 1'-0"



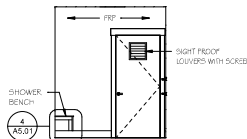
**14 SHOWER - NORTH**  
 Scale: 1/4" = 1'-0"



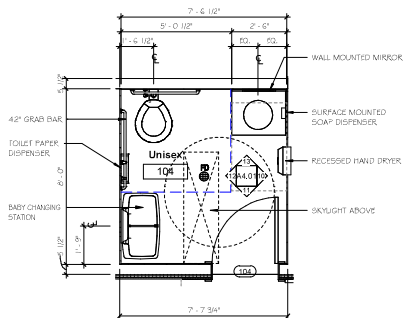
**15 SHOWER - EAST**  
 Scale: 1/4" = 1'-0"



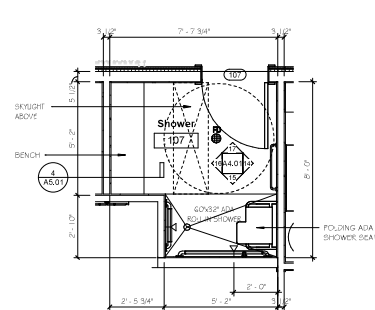
**16 SHOWER - SOUTH**  
 Scale: 1/4" = 1'-0"



**17 SHOWER - WEST**  
 Scale: 1/4" = 1'-0"



**18 UNISEX - ENLARGED PLAN**  
 Scale: 3/8" = 1'-0"



**19 SHOWER - ENLARGED PLAN**  
 Scale: 3/8" = 1'-0"

TPT	MET	SED	SH1	TBT	SEB	HEB	SEB
10 28 00 LARGE ROLL TOILET DISPENSER	10 28 00 MIRROR	0 28 00 SOAP DISPENSER	10 28 00 ROBE HOOK	10 28 00 TOWEL BAR	10 28 00 GRAB BAR	10 28 00 HAND DRYER	10 28 00 PRESSING ROOM / SHOWER SEAT
SURFACE MOUNTED	SURFACE MOUNTED	SURFACE MOUNTED	SURFACE MOUNTED	SURFACE MOUNTED	SURFACE MOUNTED	RECESSED MOUNTED	SURFACE MOUNTED
PLAN	PLAN	PLAN	PLAN	PLAN	PLAN	PLAN	PLAN
ELEVATION	ELEVATION	ELEVATION	SIDE ELEVATION	ELEVATION	ELEVATION	ELEVATION	ELEVATION

**ACCESSORIES - TOILETS & SHOWERS**

FOR REVIEW

NOV. 29, 2023

NOT FOR CONSTRUCTION

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**NH STATE PARKS**

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03579

Issue

**80% DESIGN**

Graphic Scale

North

Scale: As Indicated

Date: Nov. 29, 2023

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Issues:

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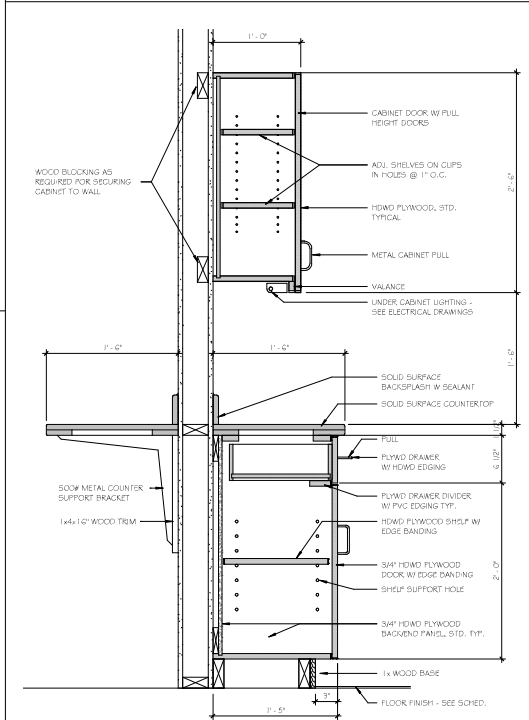
DETAILS

Sheet Number:

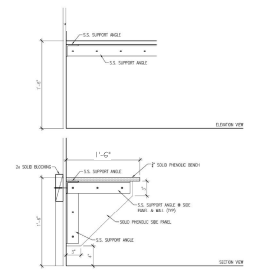
**A5.01**

Project Number: 2136A

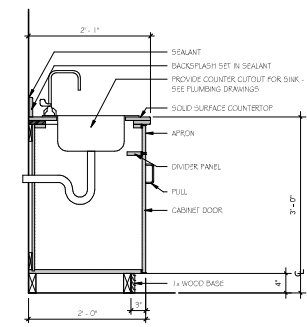
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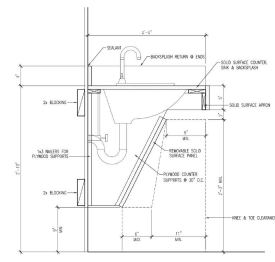
**1** CABINET SECTION  
Scale: 1 1/2" = 1'-0"



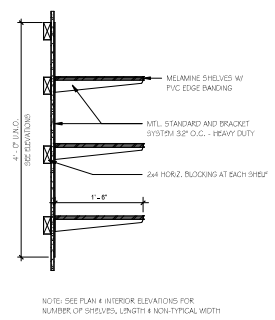
**4** TYPICAL SHOWER BENCH DETAIL  
Scale: 1 1/2" = 1'-0"



**2** BASE CABINET WITH SINK  
Scale: 1" = 1'-0"



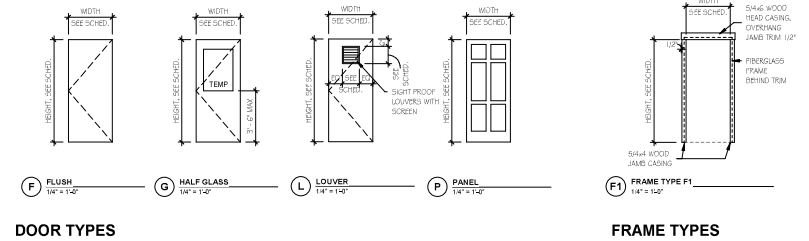
**5** TYPICAL SINK COUNTER DETAIL  
Scale: 1" = 1'-0"



**3** WALL MOUNTED SHELVING  
Scale: 1" = 1'-0"

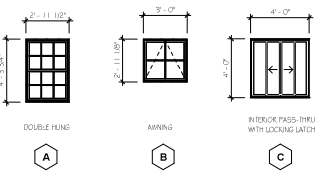
FINISH SCHEDULE									
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	COMMENTS
101	Stair	LUXURY VINYL PLANK	1x6 WOOD	5/8" GWB	5/8" GWB	5/8" GWB	5/8" GWB	5/8" GWB	
102	Office	LUXURY VINYL PLANK	1x6 WOOD	5/8" GWB	5/8" GWB	5/8" GWB	5/8" GWB	5/8" GWB	
103	Storage	SPALDE CONCRETE	4" VINYL	5/8" GWB	5/8" GWB	5/8" GWB	5/8" GWB	5/8" GWB	
104	Unisex	EPOXY	6" INTEGRAL EPOXY	FRP ON 5/8" GWB	FRP ON 5/8" GWB	FRP ON 5/8" GWB	FRP ON 5/8" GWB	1x8 TAG FLANKS	
105	Unisex	EPOXY	6" INTEGRAL EPOXY	FRP ON 5/8" GWB	FRP ON 5/8" GWB	FRP ON 5/8" GWB	FRP ON 5/8" GWB	1x8 TAG FLANKS	
106	Unisex Room	SPALDE CONCRETE						60" GWB ON STUDS	
107	Shower	EPOXY	6" INTEGRAL EPOXY	FRP ON 5/8" GWB	FRP ON 5/8" GWB	FRP ON 5/8" GWB	FRP ON 5/8" GWB	1x8 TAG FLANKS	ROSD SURFACE PANELS AT SHOWER STALLS
108	Shower	EPOXY	6" INTEGRAL EPOXY	FRP ON 5/8" GWB	FRP ON 5/8" GWB	FRP ON 5/8" GWB	FRP ON 5/8" GWB	1x8 TAG FLANKS	EQUID SURFACE PANELS AT SHOWER STALLS

DOOR SCHEDULE									
OPENING	WIDTH	HEIGHT	THICKNESS	DOOR TYPE	MATERIAL	FINISH	FRAME MATERIAL	FRAME FINISH	COMMENTS
101	3'-0"	7'-0"	1-3/4"	HALF GLASS	FIBERGLASS	PREFIN.	FIBERGLASS	PREFIN.	
102	3'-0"	7'-0"	1-3/4"	C PANEL	WOOD	STAINED	WOOD	STAIN	
103	3'-0"	7'-0"	1-3/4"	E PANEL	WOOD	STAINED	WOOD	STAIN	
104	3'-0"	7'-0"	1-3/4"	FLUSH	FIBERGLASS	PREFIN.	FIBERGLASS	PREFIN.	
105	3'-0"	7'-0"	1-3/4"	FLUSH	FIBERGLASS	PREFIN.	FIBERGLASS	PREFIN.	
106	3'-0"	7'-0"	1-3/4"	FLUSH	FIBERGLASS	PREFIN.	FIBERGLASS	PREFIN.	
107	3'-0"	7'-0"	1-3/4"	FLUSH	FIBERGLASS	PREFIN.	FIBERGLASS	PREFIN.	12" x 12" LOUVERS WITH SIKREINS
108	3'-0"	7'-0"	1-3/4"	FLUSH	FIBERGLASS	PREFIN.	FIBERGLASS	PREFIN.	12" x 12" LOUVERS WITH SIKREINS



WINDOW SCHEDULE						
MARK	WIDTH	HEIGHT	TYPE	MODEL	COMMENTS	COUNT
A	3'-5 1/2"	4'-4 1/4"	Elevate Double Hung	ELDH362		5
B	3'-1"	2'-11 5/8"	Elevate Awning	ELAWN3735		2
C	4'-0"	4'-0"			PASS-THROUGH WITH SINGLE GLASS	1
V1	1'-4"	2'-2 7/8"		VSP01	BASED-OF-DESIGN: VELUX VSP01	4

**NOTES:**  
 1. EXTERIOR WINDOWS TO BE ELEVATE BY MARVIN (BASIS-OF-DESIGN PRODUCT).  
 2. ALUMINUM PASS-THRU INTERIOR WINDOWS WITH SINGLE GLAZING TO BE BY \_\_\_\_\_ OR APPROVED EQUAL.



**NOTES:**  
 1. FRAME SIZES ARE BASIS ON MARVIN ELEVATE WINDOWS (BASIS-OF-DESIGN PRODUCT).

**SAMYN - D'ELIA ARCHITECTS, P.A.**  
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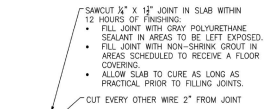
Drawn By: MR  
 Checked By: WD

No.	Description	Date

Title  
**SCHEDULES**

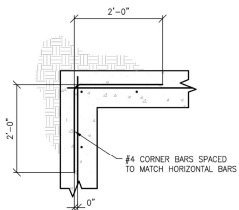
Sheet Number:  
**A6.01**

Project Number: 2136A  
 File:



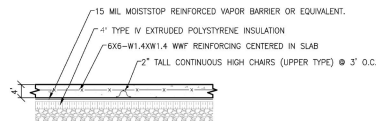
**SLAB CONTROL JOINT DETAIL**  
NOT TO SCALE  
DENOTED ON PLAN AS [C1]  
SCALE DRAWING FOR LOCATIONS

**7 SLAB CONTROL JOINT DETAIL**  
Scale: N.T.S.



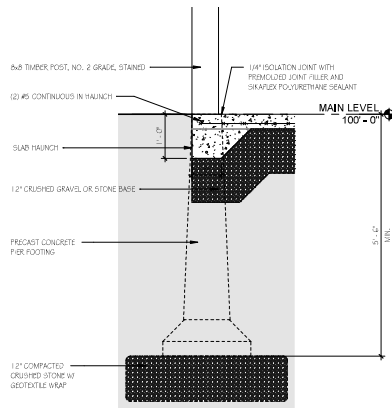
**CORNER REINFORCING DETAIL**  
NOT TO SCALE

**6 CORNER REINFORCING DETAIL**  
Scale: N.T.S.

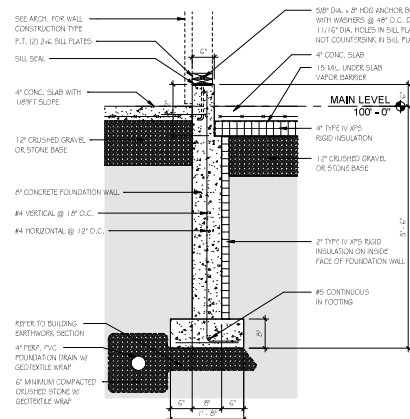


**CONCRETE SLAB-ON-GRADE DETAIL**  
NOT TO SCALE  
FOR INTERIOR USE ONLY

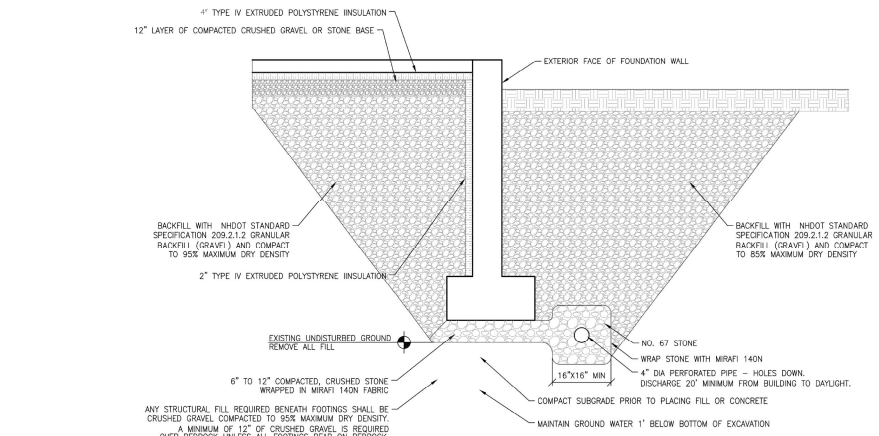
**5 CONCRETE SLAB-ON-GRADE DETAIL**  
Scale: N.T.S.



**3 SLAB EDGE DETAIL**  
Scale: 3/4" = 1'-0"

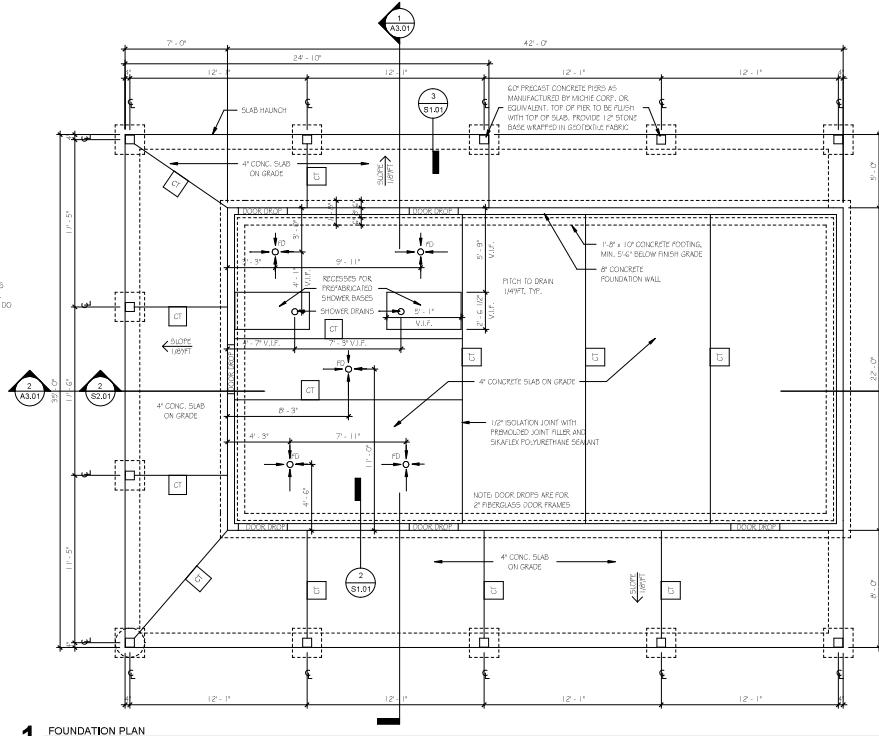


**2 TYPICAL FOUNDATION DETAIL**  
Scale: 3/4" = 1'-0"



**BUILDING EARTHWORK SECTION**  
N.T.S.

**4 BUILDING EARTHWORK SECTION**  
Scale: N.T.S.



**1 FOUNDATION PLAN**  
Scale: 1/4" = 1'-0"

FOR REVIEW

NOV. 29, 2023

NOT FOR CONSTRUCTION

HVAC, Elec. & Plumb. Engineer:  
Charles P. Buckley, P.E.  
500 Depot Street  
Rumney, NH 03266  
tel: (603) 786-9992

Structural Engineer:  
Fisher Engineering, P.C.  
888 Belknap Mountain Road  
Gilford, NH 03249  
tel: (603) 528-7641

**NH STATE PARKS**

Campground Expansion Project PH  
Mollidgewock State Park  
1437 Berlin Road  
Erol, NH  
03579

Issue

**80% DESIGN**

Graphic Scale

North

Scale: As Indicated

Date: Nov. 29, 2023

Drawn By: MR

Checked By: JF

Issues:

No.	Description	Date

Title

**FOUNDATION PLAN AND DETAILS**

Sheet Number:

**S1.01**

Project Number: 2136A

File:



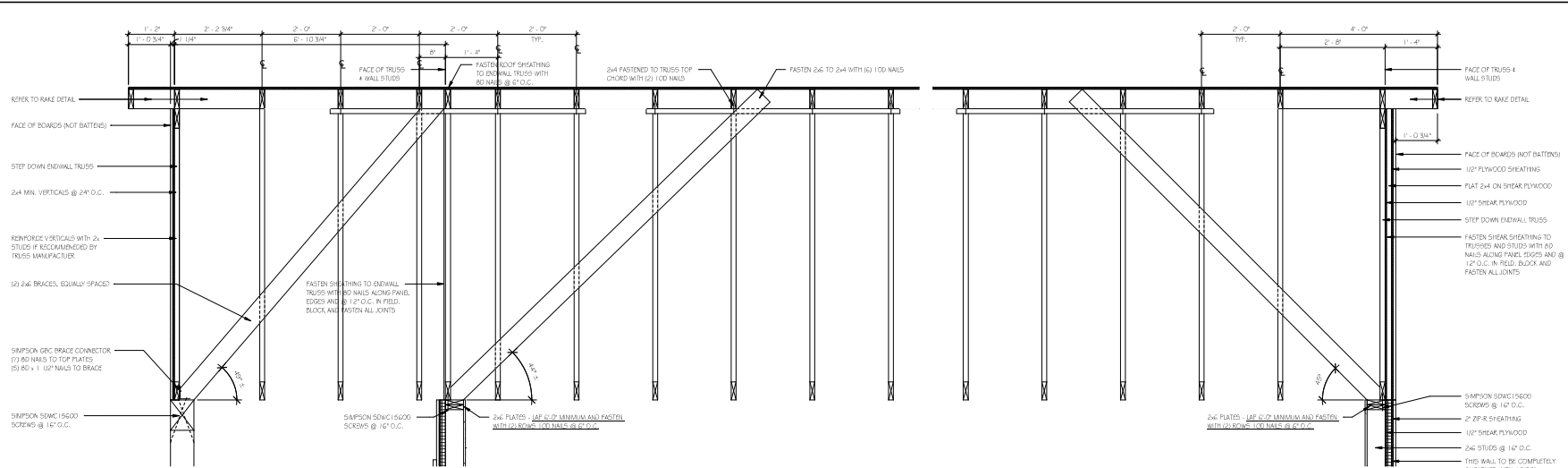
**FOR REVIEW**

NOV, 29, 2023

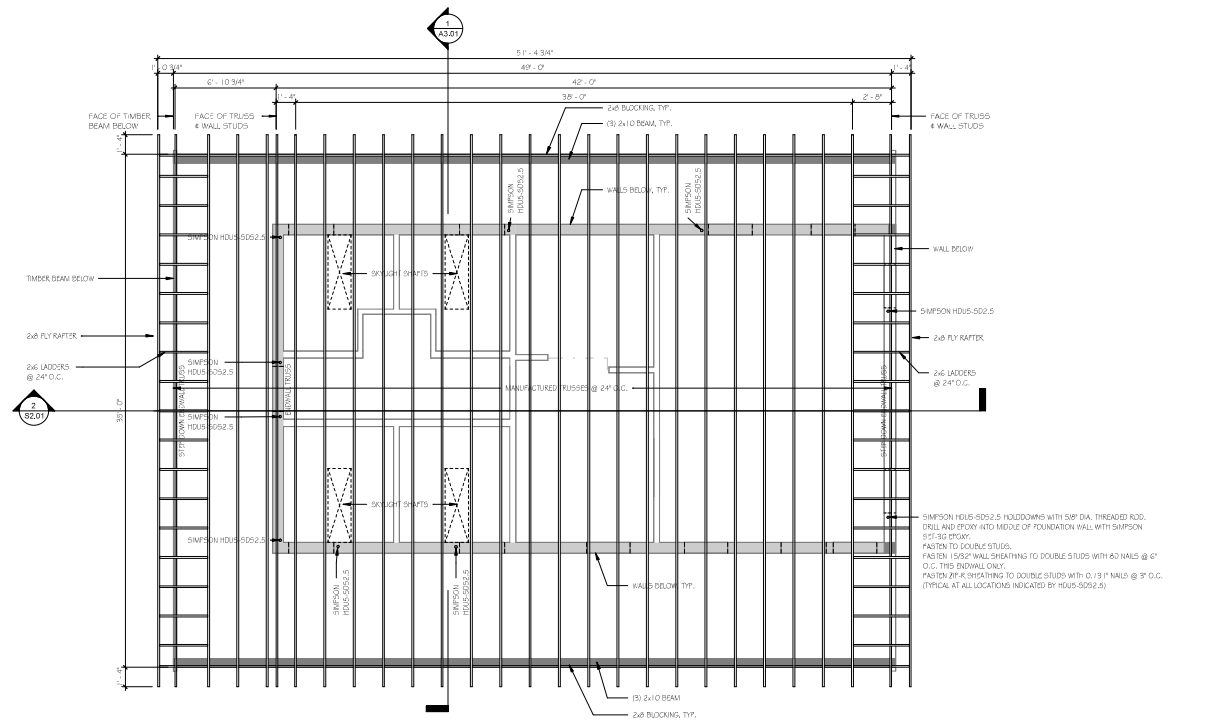
NOT FOR CONSTRUCTION

HVAC, Elec. & Plumb, Engineer:  
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**2 ROOF FRAMING SECTION**  
Scale: 3/4" = 1'-0"



**1 ROOF FRAMING PLAN**  
Scale: 1/4" = 1'-0"

**NH STATE PARKS**

Campground Expansion Project PH  
Mollidgewock State Park  
1437 Berlin Road  
Errol, NH  
03579

Issue

**80% DESIGN**

Graphic Scale

North

Scale: As Indicated

Date: Nov, 29, 2023

Drawn By: MR

Checked By: JF

Issues

No.	Description	Date

Title

**ROOF FRAMING PLAN AND ROOF FRAMING SECTION**

Sheet Number:

**S2.01**

Project Number: 2136A

File:

FOR REVIEW

NOV. 29, 2023

NOT FOR CONSTRUCTION

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500 Depot Street  
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**NH STATE PARKS**

Campground Expansion Project PH  
Mollidgewock State Park  
1437 Berlin Road  
Errol, NH  
03579

Issue

**80% DESIGN**

Graphic Scale

North

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

Date: Nov. 29, 2023

Drawn By: MIR

Checked By: JF

Issues:

No.	Description	Date

Title

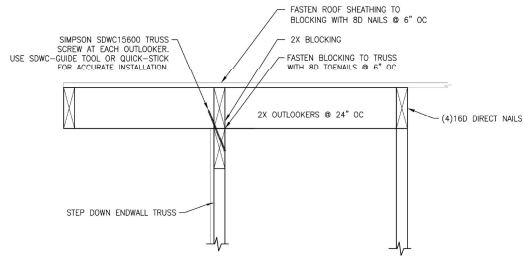
**TRUSS DIAGRAMS AND DETAILS**

Sheet Number:

**S3.01**

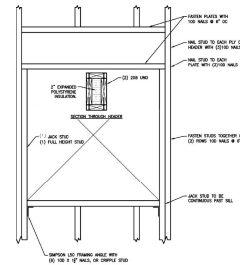
Project Number: 2136A

File:



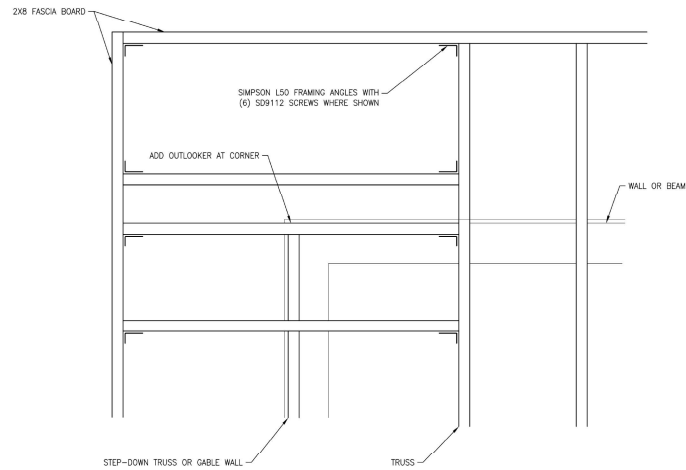
**RAKE DETAIL**  
1 1/2" = 1'-0"

**4** RAKE DETAIL  
Scale: 1/4" = 1'-0"



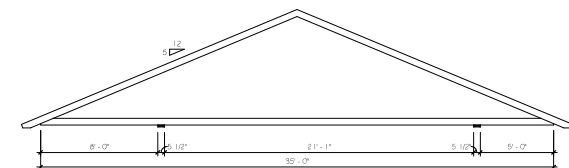
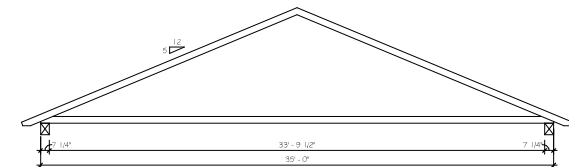
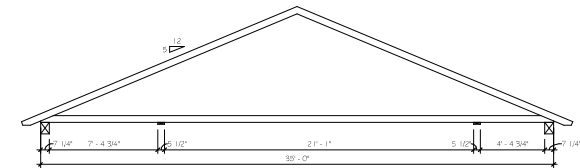
**TYPICAL DOOR/WINDOW OPENING/HEADER DETAILS**  
REFER 202

**2** TYPICAL DOOR/WINDOW OPENING/HEADER DETAILS  
Scale: N.T.S.



**TYPICAL DETAIL AT ROOF CORNERS**  
1 1/2" = 1'-0"

**3** TYPICAL DETAILS AT ROOF CORNERS  
Scale: 1/4" = 1'-0"

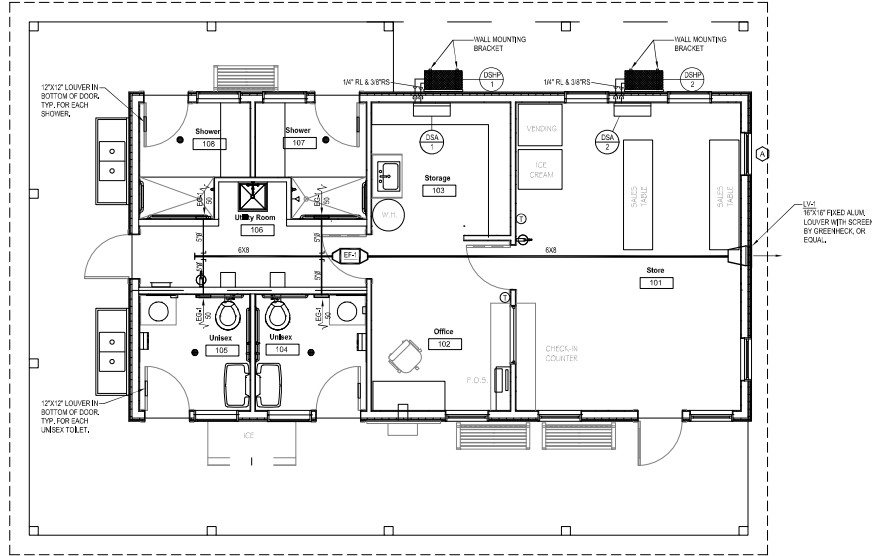


NOTE: TRUSSES ARE TO BE DESIGNED FOR THE WORST CASE OF THE THREE BEARING CONDITIONS SHOWN. SUBMIT TRUSS DESIGNS FOR EACH OF THE THREE BEARING CONDITIONS.

**1** TRUSS DIAGRAMS  
Scale: 1/4" = 1'-0"

**HVAC NOTES**

1. **SCOPE OF WORK**
  - A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
  - B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE INTERNATIONAL MECHANICAL CODE 2018, ALL LOCAL AND ALL OTHER REGULATION GOVERNING WORK OF THIS NATURE.
  - C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY EFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
  - D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ENGINEER OR ARCHITECT.
2. **PERMITS**
  - A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.
3. **SHOP DRAWINGS**
  - A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT FIVE SETS OF SHOP DRAWINGS AND THEY SHALL BE CLEARLY LABELED.
4. **DUCTWORK**
  - A. THE DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "SMACNA" APPLICABLE MANUALS. ALL DUCTWORK SHALL BE THE LOW VELOCITY TYPE, UNLESS SPECIFIED OTHERWISE.
  - B. CONTRACTOR SHALL PROVIDE AND INSTALL APPROVED FIRE DAMPERS AND ACCESS PANELS IN ANY AND ALL DUCTWORK WHICH PENETRATES A HORIZONTAL OR VERTICAL FIRE PARTITION, OR AS OTHERWISE SHOWN ON DRAWINGS.
  - C. ALL BRANCH DUCTS TO HAVE VOLUME DAMPERS.
  - D. SMOOTH TURN RADIUS DUCTWORK OR TURNING VANES SHALL BE USED THROUGHOUT WHERE FLOW EXCEEDS 150 CFM.
  - E. ALL DUCT JOINTS TO BE SEALED IN ACCORDANCE WITH "SMACNA" STANDARDS AND ACCEPTED GOOD PRACTICE.
  - F. ALL DUCT DIMENSIONS SHOWN ARE NET INSIDE VALUES. DIMENSIONS MAY BE CHANGED SO LONG AS THE NET FREE FACE AREA IS MAINTAINED.
5. **HVAC CONTROLS**
  - A. CONTRACTOR TO SUPPLY AND INSTALL ALL CONTROL WIRING AND THERMOSTATS AS REQUIRED.
6. **ELECTRICAL**
  - A. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATION OF WIRING FOR EACH HVAC UNIT.
7. **MISCELLANEOUS**
  - A. ALL EXTERIOR OPENINGS TO BE PROPERLY CAULKED AND SEALED WITH A SEALANT OF HIGH QUALITY AND LONG LIFE, TO PREVENT INFILTRATION OF OUTSIDE AIR INTO CONDITIONED SPACE.
  - B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.
  - C. THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.
8. **TESTING AND BALANCING**
  - A. THE HVAC SYSTEM SHALL BE TESTED AND BALANCED BY AN INDEPENDENT AGENCY, UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. A SEALED TYPE WRITTEN REPORT SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL.
9. **WARRANTY**
  - A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE(1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.
  - B. FOR THE SAME PERIOD, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.



**MECHANICAL PLAN**

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

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**NH STATE PARKS**

Collingwood Expansion Project #11  
 Millidgevok State Park  
 1437 Berlin Road  
 Errol, NH  
 03579

Issue

**80% DESIGN**

Graphic Scale

North

Scale: As Indicated

Date: NOV. 22, 2023

Drawn By: CPB

Checked By: CPB

Issues:

No.	Description	Date

Title

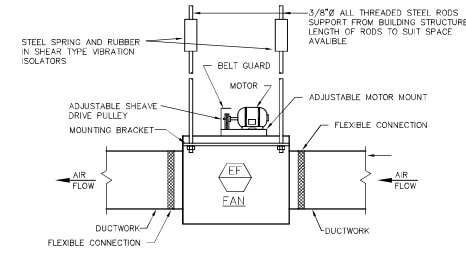
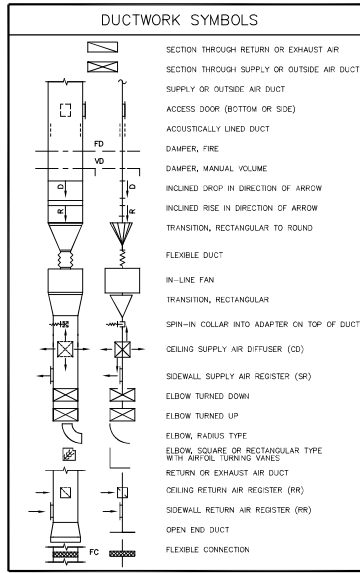
MECHANICAL PLAN AND DETAILS

Sheet Number:

**M1.01M**

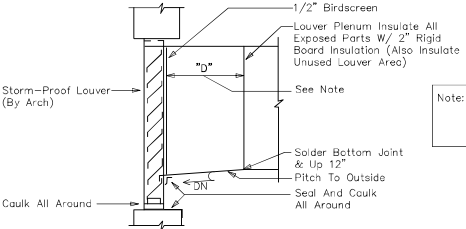
Project Number: 23045001

File:



**CENTRIFUGAL IN-LINE FAN DETAIL**

N.T.S.



**LOUVER CONNECTION DETAIL**

NOT TO SCALE

DUCTLESS SPLIT AIR CONDITIONING SYSTEM SCHEDULE										DSH	DSA	
INDOOR UNIT	OUTDOOR UNIT	COOLING CAPACITY (BTU/HR.)	HEATING CAPACITY (BTU/HR.)	CFM	STATIC PRESS. (IN. WG)	SEER-COP (EFFICIENCY)	REFRIGERANT PIPING			ELECTRICAL	MANUFACTURER & MODEL	OPTIONS-ACCESSORIES
							LIQUID	SUCTION	MAX. FLUOR.			
BSA*	DSHP-1	12,000	13,500	340	19-14	14"	3/8"	11	15	240160	MITSUBISHI MODEL P16A-12M47	<ul style="list-style-type: none"> <li>* CONDENSATE PUMP</li> <li>* MECHANICAL CONTRACTOR TO FIELD ROUTE CONDENSATE PIPING PER IFC-2015,</li> <li>* WIRELESS THERMOSTAT BY MITSUBISHI</li> <li>* INDOOR PIPELINE TO HAVE GROUND CONNECT. * PROVIDE WALL MOUNTING BRACKET FOR DSH-1L</li> </ul>
BSA*	DSHP-2	12,000	13,500	340	19-14	14"	3/8"	11	15	240160	MITSUBISHI MODEL P16A-12M47	<ul style="list-style-type: none"> <li>* CONDENSATE PUMP</li> <li>* MECHANICAL CONTRACTOR TO FIELD ROUTE CONDENSATE PIPING PER IFC-2015,</li> <li>* WIRELESS THERMOSTAT BY MITSUBISHI</li> <li>* INDOOR PIPELINE TO HAVE GROUND CONNECT. * PROVIDE WALL MOUNTING BRACKET FOR DSH-1L</li> </ul>

GRILLE - REGISTER - DIFFUSER SCHEDULE					
EQUIPMENT NO.	SIZE	TYPE	MANUFACTURER & MODEL	FINISH	OPTIONS-ACCESSORIES
EF-1	8'x8'	EXHAUST GRILLE	HART & COOLEY MODEL PHS-8'x8'	WHITE	

FAN SCHEDULE								
MARK	SERVICE	LOCATION	CFM	STATIC PRESS. (IN. WG)	MOTOR		MANUFACTURE & MODEL	
					HP	RPM		VOLT-PHASE
EF-1	TOILETS RM-SHOWERS	CHSE	200	0.625	1/6	1800	115-1	GREENECK SQ-70-VG

Note: When "D" Is Over 24" Provide 3/4" Drain At 5'-0" Centers (If Depth Into Paper Is Greater Than 5'-0"), 6" From Louver With Trap

## ELECTRICAL NOTES

- SCOPE OF WORK.
  - CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. FIELD VERIFY ALL ELECTRICAL EQUIPMENT.
  - FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS TO PERFORM ELECTRICAL WORK SHOWN, NOTED OR SCHEDULED FOR A COMPLETE AND FINISHED INSTALLATION.
    - MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UNDERWRITERS LABORATORIES LIST OF APPROVED ITEMS AND SHALL BE SIZED IN CONFORMITY WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES, WHICHEVER ARE MORE STRINGENT.
  - ALL WORK TO BE IN ACCORDANCE WITH 2020 NEC AND ALL APPLICABLE FEDERAL, STATE LOCAL CODES.
- PERMITS.
  - SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTION CERTIFICATES.
- SHOP DRAWINGS.
  - SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE ARCHITECT FOR APPROVAL. SUBMITTALS SHALL BE IN ACCORDANCE WITH GENERAL CONDITIONS AND SHALL BEAR STAMP OF THE GENERAL CONTRACTOR SHOWING THAT HE HAS REVIEWED AND APPROVED THEM. LACK OF SUCH CONTRACTOR'S APPROVAL WILL BE CAUSE FOR REJECTION WITHOUT REVIEW BY THE ARCHITECT OR ENGINEER.
- CONDUITS.
  - THE TYPE OF CONDUIT SHALL BE AS FOLLOWS FOR ALL FEEDERS AND DISTRIBUTION CIRCUITS, UNLESS OTHERWISE SPECIFIED.
 

APPLICATION	TYPE OF CONDUIT
OUTDOORS	GALV. RIGID STEEL OR EMT W/ W.P. FITTINGS
BRANCH CIRCUITS (EXPOSED)	EMT
BRANCH CIRCUITS (CONCEALED)	MCT
SUPPLY TO DISTRIBUTION PANEL	EMT
UNDERGROUND SERVICE ENTRANCE	PVC - SCHEDULE 40
- WIRE.
  - WIRE SHALL BE SINGLE CONDUCTOR COPPER WITH 600 VOLT INSULATION. MINIMUM WIRE SIZE SHALL BE #12 EXCEPT #14 MAY BE USED FOR CONTROL. ALL WIRE AND CABLE SHALL BE NEW AND SHALL BE BROUGHT TO THE SITE IN UNBROKEN PACKAGES.
    - GENERAL WIRING SHALL BE THW OR THHN (ALUMINUM CONDUCTORS ARE NOT PERMITTED).
  - WIRE CONNECTORS SHALL BE EQUAL BY SCOTCHLOCK FOR #6 AND SMALLER AND T & B LOCK-LITE FOR #6 AND LARGER.
- LIGHTING.
  - LIGHTING FIXTURES AND LAMPS (UNLESS NOTED OTHERWISE) SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL ALL FIXTURES AND LAMPS.
- WIRE DEVICES.
  - RECEPTACLES SHALL BE 20 AMP, 3-WIRE GROUNDING TYPE EQUAL TO HUBBELL 5882 (MOUNTING Ø 1 1/2" AFF.).
  - SWITCHES SHALL BE STANDARD GRADE RATED 20 AMP AT 120 VOLT (MOUNTING Ø 1 1/2" AFF.).
  - SPECIAL DEVICES SHALL BE A SPECIFICATION GRADE.
- SAFETY SWITCHES.
  - PROVIDE SAFETY AND DISCONNECT SWITCHES, FUSED OR NONFUSED, AS CALLED FOR ON DRAWINGS AND AS REQUIRED BY CODE. SWITCHES SHALL BE HEAVY DUTY, LOAD AND HORSEPOWER RATED AS MANUFACTURED BY SQUARE D, GULD, ITE OR EQUAL.
- BOXES.
  - OUTLET BOXES AND COVERS SHALL BE GALVANIZED, ONE-PIECE PRESSED STEEL AND/OUTLET.
  - JUNCTION, PULL BOXES AND COVERS SHALL BE GALVANIZED STEEL, CODE GAUGE SIZE.
- INSTALLATION.
  - ALL ELECTRICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS CHANNELS, RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK AND SHALL BE FASTENED TO STEEL, CONCRETE OR WOOD, BUT NOT TO PIPING. ALL CONDUIT SHALL BE CONCEALED WHEREVER POSSIBLE. EXPOSED CONDUIT SHALL BE IN STRAIGHT LINES PARALLEL WITH OR AT RIGHT ANGLES TO COLUMN LINES OR BEAMS AND SEPARATED AT LEAST 3 INCHES FROM WATER LINES WHEREVER THEY RUN ALONG SIDE OR ACROSS SUCH LINES. CONDUCTORS SHALL BE IN CONDUIT, DUCTS OR APPROVED RACEWAYS.
  - THE CONTRACTOR SHALL DO ALL CUTTING, CHASING OR CHANNELING AND PATCHING REQUIRED FOR ANY WORK UNDER THIS DIVISION. SLEEVES SHALL EXTEND AT LEAST TWO (2) INCHES ABOVE FINISHED FLOOR AND ALL SLEEVES, OPENINGS, ETC., THROUGH FIRE RATED WALLS AND FLOORS SHALL BE SEALED AFTER CONDUIT INSTALLATION TO REMAIN THEIR FIRE RATING.
  - THE FOLLOWING EQUIPMENT SHALL BE IDENTIFIED WITH ENGRAVED BAKEKITE NAMEPLATES AS TO MAKE AND/OR FUNCTION; DISTRIBUTION PANELS AND DISCONNECT SWITCHES.
  - THE LOCATION OF OUTLETS AND EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE AND THE ARCHITECT SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ADDITIONAL COST.
  - ELECTRICAL CONTRACTOR SHALL RECORD ALL FIELD CHANGES IN HIS WORK AS THE JOB PROGRESSES.
- GUARANTEES.
  - MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
  - FOR THE SAME PERIOD, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.
- FINALITY.
  - IT IS THE INTENT THAT THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE FURNISHED.

## ELECTRICAL SYMBOLS

### ABBREVIATIONS

AC ABOVE COUNTER  
 AFF ABOVE FINISHED FLOOR.  
 CB CIRCUIT BREAKER.  
 EXPLOSION PROOF.  
 GFI GROUND FAULT CIRCUIT INTERRUPTER.  
 GND GROUND.  
 HP HORSEPOWER.  
 LP LIGHTING PANEL.  
 MCC MOTOR CONTROL CENTER.  
 MH MOUNTING HEIGHT, MANHOLE.  
 NEC NATIONAL ELECTRICAL CODE.  
 NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOC.  
 NIC NOT IN CONTRACT.  
 NL NIGHT LIGHT.  
 PH PHOTOELECTRIC SWITCH  
 PP POWER PANEL.  
 RP RECEPTACLE PANEL.  
 UD UNDERGROUND.  
 UON UNLESS OTHERWISE NOTED.  
 WP WEATHER PROOF.

### WIRING

WIRING CONCEALED IN CEILING OR WALLS; SLASH MARKS INDICATE NUMBER OF CONDUCTORS EXCLUDING GROUNDS; CONDUCTOR SIZE AS MARKED; #12 AWG UON.  
 UNDERGROUND CABLE OR DUCT; TYPE, SIZE, CONDUCTORS, AND ARRANGEMENT BY NOTATION OR SCHEDULE.  
 WIRING RUN EXPOSED.

### SWITCHES

SWITCH OUTLET; MOUNTED 48" AFF UON; SINGLE POLE UON; LOWER CASE LETTER, WHEN PRESENT, INDICATES OUTLETS CONTROLLED.  
 \* - ABBREVIATIONS FOR SWITCH OUTLETS  
 2 DOUBLE POLE SWITCH  
 4 4-WAY SWITCH  
 K KEY OPERATED SWITCH  
 D DOOR SWITCH  
 DIMMER SWITCH; MOUNTED 48" AFF UON; LOWER CASE LETTER, WHEN PRESENT, INDICATES OUTLETS CONTROLLED.

### LIGHTING

FLUORESCENT LIGHT FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED.  
 RECESSED MOUNTED CEILING FIXTURE  
 SURFACE MOUNTED CEILING FIXTURE  
 INCANDESCENT FIXTURE, WALL  
 SURFACE OR PENDANT MOUNT EXIT SIGN FIXTURE; ARROWS INDICATE REQUIRED SIGN ARROWS.

BATTERY POWERED EMERGENCY LIGHTING FIXTURE

COMBINATION EMERGENCY LIGHTING FIXTURE AND EXIT SIGN

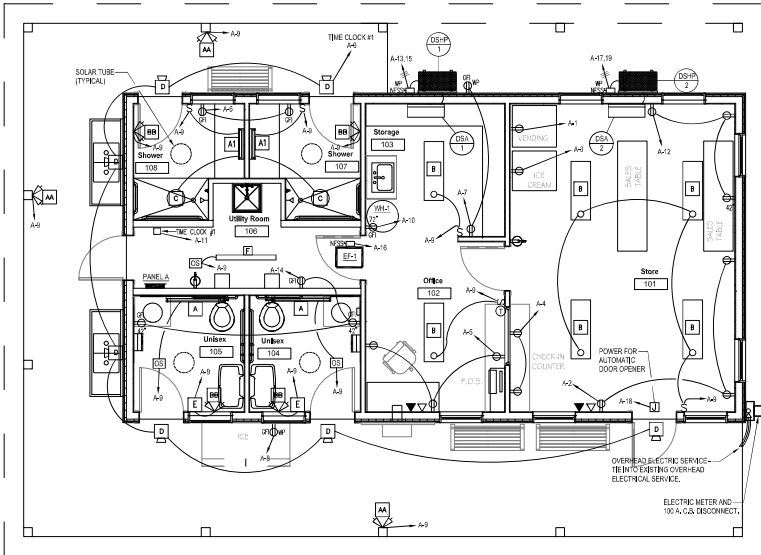
INDICATES FIXTURE TYPE; SEE SCHEDULE.

### RECEPTACLES

GROUNDING DUPLEX RECEPTACLE (NEMA 5-20R); MOUNTED 18" AFF UON; NUMBER INDICATES CIRCUIT.  
 GROUNDING QUADRUPLX RECEPTACLE (NEMA 5-20R); MOUNTED 18" AFF UON.  
 SPECIAL PURPOSE RECEPTACLE; LETTER INDICATES TYPE; DEFINED BY NOTATION OR SCHEDULE; MOUNTED 18" AFF UON.

### PANELS AND MISC.

LIGHT OR POWER PANEL  
 FUSED SAFETY (DISCONNECT) SWITCH  
 NON-FUSED SAFETY (DISCONNECT) SWITCH  
 JUNCTION BOX  
 MOTOR  
 TELEPHONE OUTLET - WALL - MOUNTED 18" AFF UON. PROVIDE 4X4 OUTLET BOX IN WALL WITH 3/4" CONDUIT TO ABOVE CEILING WITH PULL WIRE. WIRING BY OTHERS.  
 COMPUTER OUTLET - WALL - MOUNTED 18" AFF UON. PROVIDE 4X4 OUTLET BOX IN WALL WITH 3/4" CONDUIT TO ABOVE CEILING WITH PULL WIRE. WIRING BY OTHERS.



## ELECTRICAL POWER PLAN

SCALE: 1/8" = 1'-0"

MARK	MANUFACTURER	FIXTURE MAKE/MODEL	LAMPING	MOUNTING
A	METALUX	4-BOLE-LD-28S-F-UW-LR30-CD-1	32W LED	WALL MOUNTED Ø 8"-Ø" AFF
AT	METALUX	2-BOLE-LD-18S-F-UW-LR30-CD-1	19W LED	WALL MOUNTED Ø 8"-Ø" AFF
B	METALUX	WORLD-LD-18S-UW-LR30-CD-U	32W LED	CEILING MOUNTED - SURFACE
C	HALO	SL2606-S-30-WH	12.5W LED	CEILING MOUNTED
D	RAB	BREKSTL-730	14W LED	ABOVE DOOR/BEHIND REAR/POST
E	LEGRAND	TWMECC	1/4W LED	MOUNTED 24" AFF
F	LITHONIA	CLN L48 4000M SEF FDL MVOLT G21 80CRI	39W LED	CEILING MOUNTED
AA	DUAL-LITE	D1W 6	2-3W LED	MOUNT TOP 6" T.O. WALL
BB	DUAL-LITE	L2250 (25 WATT BATTERY)	2-5W/WR16	MOUNT TOP 6" BELOW CEILING

## ELECTRICAL NOTES

- VERIFY CONDITION AND CAPACITY OF EXISTING ELECTRICAL SERVICE (MINIMUM 100 AMP SERVICE). REMOVE AND REPLACE AS REQUIRED. PROVIDE NEW LIGHTING, POWER AND CONTROL CIRCUITING AS REQUIRED.
- ALL WORK TO BE PERFORMED IN ACCORDANCE WITH ALL CURRENT ELECTRICAL CODES.
- EXTERIOR LIGHTING TO BE CONTROLLED BY TIMECLOCK. INTERMATIC MODEL T101 OR APPROVED EQUAL.
- PROVIDE LOW VOLTAGE CEILING MOUNTED ULTRASONIC MOTION DETECTOR. GREENEDGE MODEL CAC-U-1000-R1SP20-MV OR APPROVED EQUAL.

## CIRCUIT BREAKER PANEL NO. 'A'

VOLTS: 120/240		WIRE: 3	KA BUS: 10KAC	NEUTRAL BAR: YES	BRANCH CB: BOLT/ON	NEMA TYPE: 1	MTR: SQUARE D, G&L, BEMENS OR EQUAL.						
PHASE: 1		AMP: 100	MAIN CB AMP: 100	GROUND BAR: YES	KEY LOCK: YES	MOUNTING: SURFACE							
VOLT - AMP(S)-A	B	CIRCUIT DESCRIPTION	CONDUCTOR	POLES	C.B.	CKT #	C.B.	POLES	CONDUCTOR	CIRCUIT DESCRIPTION	VOLT - AMP(S)-A	B	
1000	1000	RECEPT	2#12-#12S	1	20	1	20	1	2#12-#12S	RECEPT	1000	1000	
1000	1000	RECEPT	2#12-#12S	1	20	3	4	20	1	2#12-#12S	RECEPT	1000	1000
1000	1000	RECEPT	2#12-#12S	1	20	9	6	20	1	2#12-#12S	RECEPT	1000	1000
1000	1000	RECEPT	2#12-#12S	1	20	7	6	20	1	2#12-#12S	RECEPT	1000	1000
600	600	LIGHTING	2#12-#12S	1	20	9	10	20	1	2#12-#12S	WATER HEATER RECEPT	1000	1000
300	300	TIME CLOCK #1	2#12-#12S	1	20	11	12	20	1	2#12-#12S	RECEPT	1000	1000
1300	1300	OSHPA-DIGAL	2#12-#12S	2	15	13	14	20	1	2#12-#12S	RECEPT	1000	1000
1500	1500	OSHPA-DIGAL	2#12-#12S	2	15	15	16	20	1	2#12-#12S	EXH	800	800
										J.E. AUTO. DOOR OPENER	300		
										SPACE			
										SPACE			
										SPACE			
										SPACE			
										SPACE			
										SPACE			
										SPACE			
500	4500	TOTAL								TOTAL CONNECTED LOAD: 17700 (64.7KA)	TOTAL	4500	

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**NH STATE PARKS**  
 Campground Expansion Project #11  
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 1437 Berlin Road  
 Errol, NH  
 03579

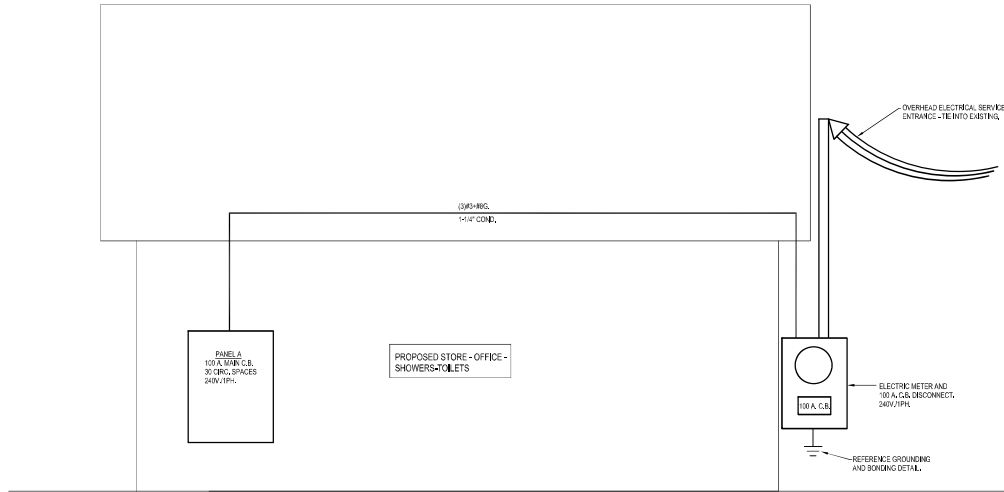
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 Checked by: CPB

No.	Description	Date

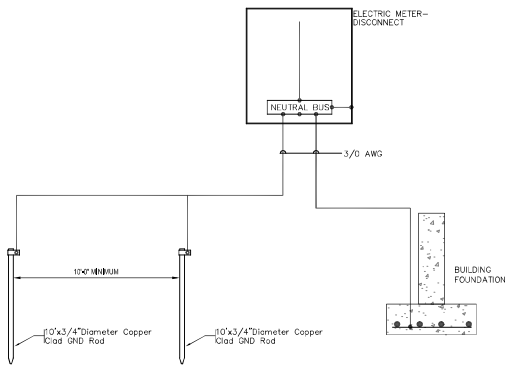
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**E1.01M**  
 Project Number: 23049001  
 File:



**ELECTRICAL RISER DIAGRAM**

NOT TO SCALE



**GROUNDING & BONDING DETAIL**

NOT TO SCALE



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**NH STATE PARKS**

Camground Expansion Project P11  
Mollidgewock State Park  
1437 Berlin Road  
Errol, NH  
03579

Issue

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ELECTRICAL RISER AND DETAILS

Sheet Number:

**E1.02M**

Project Number: 23045001

File:

## PLUMBING NOTES

### SCOPE OF WORK

1. A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
- B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE INTERNATIONAL PLUMBING CODE (2018).
- C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY AFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
- D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY ENGINEER OR ARCHITECT.

### SHOP DRAWINGS

2. A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT/FIXTURES TO THE ARCHITECT OR ENGINEER FOR APPROVAL. THE SHOP DRAWINGS SHALL BE CLEARLY TAGGED AND HIGHLIGHTED.

### DOMESTIC WATER SUPPLY PIPING

- A. ABOVE GROUND MAINS AND BRANCHES - COPPER PIPE WITH SOLDER JOINTS.  
BRANCHES - PEX WITH PEX FITTINGS.
- B. ALL HOT WATER PIPING TO BE INSULATED WITH 1" FIBERGLASS INSULATION.
- C. ALL COLD WATER PIPING TO BE INSULATED WITH 1/2" FOM INSULATION.
- D. PROVIDE DOMESTIC WATER SHUT-OFFS AT EACH PLUMBING FIXTURE.
- E. FITCH WATER PIPING TO DRAIN BACK VALVES TO FACILITATE SEASONAL DRAIN DOWN OF ALL WATER LINES.

### SANITARY/STORM DRAINAGE AND VENT PIPING

- A. ABOVE GRADE:  
-2" AND BELOW: SCH. 40 PVC WITH SOLVENT JOINTS.  
-3" AND ABOVE: SCH. 40 PVC WITH SOLVENT JOINTS.
- B. BELOW GRADE: SCH. 40 PVC WITH SOLVENT JOINTS.
- C. PVC PIPING SHALL NOT BE USED IN AIR PLENUM CEILING OR FLOORS.
- D. DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE LONG TURN FITTINGS.
- E. DRAINAGE PIPING 3" SIZE AND SMALLER SHALL RUN AT A UNIFORM GRADE OF AT LEAST 1/4" PER FOOT, AND PIPING LARGER THAN 3" SHALL BE RUN AT A GRADE OF NO LESS THAN 1/8" PER FOOT.
- F. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING RUN THROUGH THE ROOF.

5. ALL STUB-INS AND/OR SLAB OR WALL PENETRATION TO BE PER INTERNATIONAL PLUMBING CODE. ALL PIPING PENETRATIONS OF BUILDINGS FOUNDATIONS, FOOTINGS AND WALLS SHALL BE SLEEVED.

### PIPE SUPPORTS

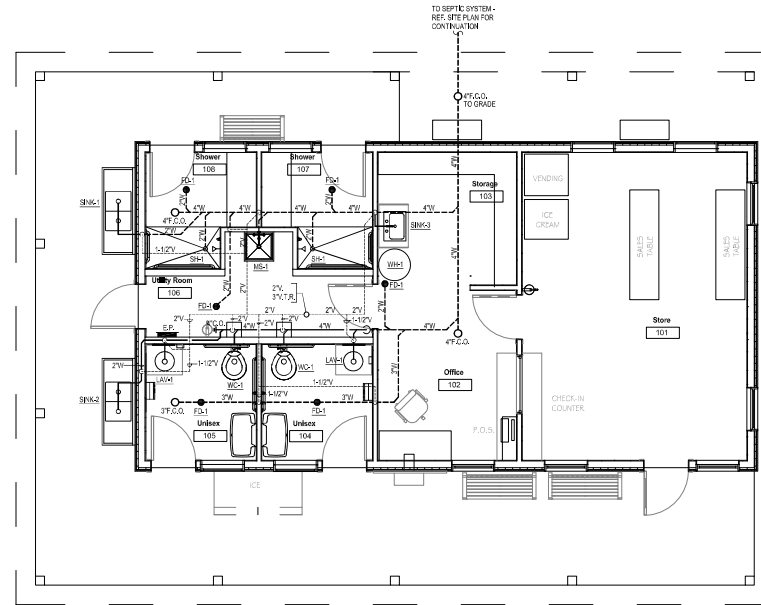
- A. ABOVE GRADE:  
ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE AND PERFORMED METAL TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL BE AS SPECIFIED IN THE INTERNATIONAL PLUMBING CODE.

### MISCELLANEOUS

- A. COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATION.
- B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.
- C. THE PLUMBING PLANS ARE INTENDED TO BE DIAGRAMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.
- D. SEAL AND FLASH ALL WALL PENETRATIONS AIR AND WEATHER-TIGHT.

### TESTING AND DISINFECTION

- A. PLUMBING SYSTEMS SHALL BE FLOW AND PRESSURE TESTED & DISINFECTED IN ACCORDANCE WITH STANDARD PRACTICE AND THE INTERNATIONAL PLUMBING CODE.



**PLUMBING PLAN - WASTE & VENT**

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

## PLUMBING SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	SOIL OR WASTE PIPE (BELOW GROUND)	⬆	VACUUM BREAKER
---	SOIL OR WASTE PIPE (ABOVE GROUND)	⊕	PRESSURE GAUGE
----	VENT PIPE (V)	⊕	TEMPERATURE GAUGE
----	COLD WATER PIPE (CW)	⊕	PRESSURE REDUCING VALVE
----	HOT WATER PIPE (HW)	⊕	GAS COCK
----	HOT WATER RETURN (HWR)	⊕	VENT THROUGH ROOF
○	GAS PIPE	⊕	LAV
○	STORM DRAIN	WC	WATER CLOSET
⊕	FLOOR DRAIN	URN	URINAL
○	CLEAN-OUT(FLOOR)	◀	COLD WATER CONNECTION
⊕	CLEAN-OUT(WALL OR ABOVE CLG.)	◀(120°)	HOT WATER CONNECTION
⊕	HOT WATER HEATER	◀(180°)	HOT WATER CONNECTION
⊕	GATE VALVE	◀	HOT WATER RETURN CONNECTION
⊕	CHECK VALVE	■	GAS CONNECTION
⊕	TEMP./PRESS. RELIEF VALVE	C.S.	IN CHASE SPACE
⊕	FIXTURE ISOLATION VALVE	⊕	ELECTRIC GAS VALVE FOR PIPING UNDER FLOORS - TO BE INTO ANCH. SYSTEM
⊕	BALL VALVE		

## PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER - MODEL #	ACCESSORIES & NOTES	PIPING CONNECTIONS					COLOR & FINISH	NOTES
				TRAP	S/W	VENT	C.W.	H.W.		
WC-1	ACCESSIBLE TOILET	AMERICAN STANDARD: AFWALL MILENIA FLOINSE 128 OFF FLUSHMETER MODEL: 286K728	FLUSH VALVE: AMERICAN STANDARD MODEL 6047121.002 TOILET SEAT: AMERICAN STANDARD MODEL #8901100 CARRIER: JAY R. SMITH, OR EQUAL.	INTEGRAL	4"	2"	1"	---	WHITE	
LAV-1	COUNTER SINK	CORAN: AIA-COMPLUNT MODEL #810	FAUCET: SIMMONS SIMMETRY S-20-2-05, TRAP: CHROME PLATED, WINDING VALVE: SIMMONS MAINLINE 7-210-04-W, PIPE COVERS: TUBING LAV GUARD 1 E-1 SERIES	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	AS SELECTED BY ARCHITECT	
SH-1	ACCESSIBLE SHOWER	CUSTOM	SHOWER PAN: SWAN FFB-3000/R VERITEK BARRIER-FREE SHOWER PAN WITH FIT-FLO DRAIN. DRAIN: WATTS FD-100-A-2-8H-A-6-7, HEAD: SIMMONS SAFETYMAX 4-101 (2 HEADS @ ADA), CONTROLS: SIMMONS SAFETYMAX 4-100-8X-WP, DRAINER VALVE: SIMMONS MODEL 20V.	2"	2"	1-1/2"	1/2"	1/2"	AS SELECTED BY ARCHITECT	
FD-1	FLOOR DRAIN	ZURN: MODEL F20-TSP-UP	TRAP SEAL: ZURN 21072 ZSHIELD BARRIER TRAP SEAL DEVICE	2"	2"	1-1/2"	---	---		
MS-1	MOP SINK	FIAT MODEL MSB2424	FAUCET: FIAT MODEL B300A MOP HANGER: FIAT MODEL B900C FIAT STAINLESS BUMPER GUARD	3"	3"	1-1/2"	1/2"	1/2"		
SNK-1	DISH WASHING SINK	ADVANCE TABCO MODEL WCCT-246 WITH TA-11A-2 BOWLS AND ADJUSTABLE LEGS MOUNTING AT ACCESSIBLE HEIGHT (MOUNTING AT BARRIER-FREE HEIGHT).	FAUCET: ADVANCE TABCO HEAVY DUTY MODEL K-1118 SPASH MOUNTED FAUCETS, 8" CTRS., SWING NOZZLE, 12" SPOUT. STAINLESS STEEL STRAINER AND DRAIN BODY. PROVIDE 1 FAUCET PER EACH BOWL.	2"	2"	1-1/2"	1/2"	1/2"		
SNK-2	DISH WASHING SINK	ADVANCE TABCO MODEL WCCT-246 WITH TA-11B-2 BOWLS AND ADJUSTABLE LEGS.	FAUCET: ADVANCE TABCO HEAVY DUTY MODEL K-1118 SPASH MOUNTED FAUCETS, 8" CTRS., SWING NOZZLE, 12" SPOUT. STAINLESS STEEL STRAINER AND DRAIN BODY. PROVIDE 1 FAUCET PER EACH BOWL.	2"	2"	1-1/2"	1/2"	1/2"		
SNK-3	UTILITY SINK	ELKAY LUSTERONE CLASSIC STAINLESS STEEL 22"x19.5"x7-5/8" SINGLE BOWL DROP-IN SINK + FAUCET KIT - MODEL LRZ21950	FAUCET: INCLUDED STAINLESS STEEL STRAINER AND DRAIN BODY.	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"		

NOTES: ① SCHEDULE INDICATES FIXTURES SELECTED AS THE BASIS OF DESIGN. ALTERNATIVES WILL BE ACCEPTED IF EQUAL OR BETTER QUALITY.  
② PROVIDE ALL NECESSARY TRIM AND FITTINGS REQUIRED FOR A COMPLETE INSTALLATION.  
③ WATER PIPING SHALL BE INSTALLED TO ALLOW FOR SEASONAL DRAIN DOWN OF THE WATER SYSTEM IF EQUAL OR BETTER QUALITY.  
PROVIDE DRAIN VALVES AS REQUIRED AT LOW POINTS. DRAIN VALVES SHALL BE LOCATED TO LIMIT PUBLIC ACCESS

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**NH STATE PARKS**  
 Campground Expansion Project #11  
 Mollidgewock State Park  
 1437 Berlin Road  
 Errol, NH  
 03579

Issue  
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 Graphic Scale

North

Scale: As Indicated

Date: NOV. 22, 2023

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PLUMBING PLAN AND DETAILS

Sheet Number:

**P1.01M**

Project Number: 23045001

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### WATER HEATER SCHEDULE

MARK	CAPACITY	RECOVERY @ 100 DEG. F. RISE	BRU PER HR.	GAS CONSUM.	WATER CONSUM.	ELECTRIC AMPS	VOLT-PHASE	MANUFACTURE & MODEL	REMARKS
WH-1	100 GAL.	178 GAL./HR.	150,000	3/4"	1-1/4"	100	120-1	A.O. SMITH MODEL B7N 150	-PROPANE FRED -POWER VENTED -4" VENT & COMB. AIR PIPES -1/4" DIE C, GROUND TEMP. -WATER VALVE

### SHEET NOTES

1 PROVIDE DRAIN BACK VALVES (BOILER DRAIN COCKS) AT C.V. AND H.V. FEEDS TO EACH SINK AND LAVATORY.

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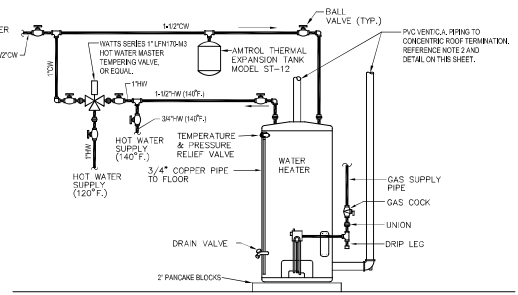
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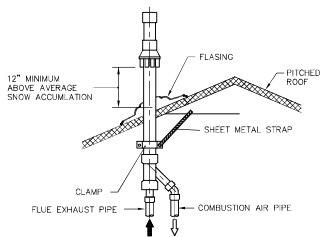
Project Number: 23045001  
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- GENERAL:**
- P.C. SHALL INSULATE DOWN SUPPLY PIPING FROM WATER HEATER IN REY OUTLET.
  - P.C. SHALL ROUTE VENTILATION PIPING TO CONCENTRIC ROOF TERMINATION AS CALL FOR MANUFACTURER'S RECOMMENDATIONS.
  - P.C. SHALL PROVIDE ALL CONTROLS WITH PACKAGING AND E.C. SHALL INSTALL ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
  - P.C. SHALL INSTALL GAS PIPING TO VENT SYSTEM CONDENSATE COLLECTOR AND ROUTE TO FLOOR DRAIN OR I.W.D. AND TERMINATE WITH 2" AIR GAP (MIN.).
  - P.C. SHALL INSTALL GAS PIPING TO PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN OR I.W.D. AND TERMINATE WITH 2" AIR GAP (MIN.).



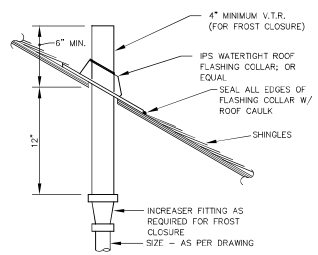
**WATER HEATER WITH MIXING VALVE DETAIL**

NOT TO SCALE



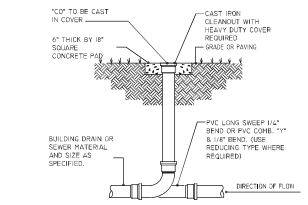
**CONCENTRIC FLUE PIPING DETAIL FOR HIGH EFFICIENCY WATER HEATER**

NOT TO SCALE



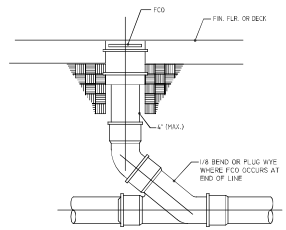
**VENT THRU ROOF DETAIL**

NOT TO SCALE



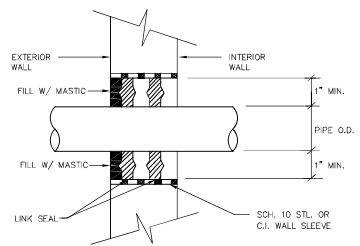
**GRADE CLEANOUT DETAIL**

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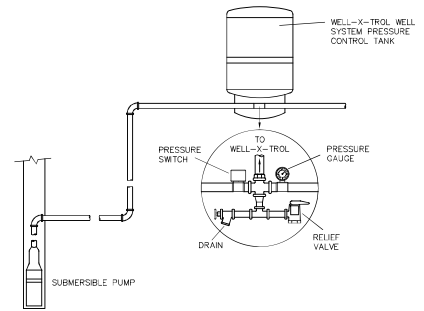
**FLOOR CLEANOUT DETAIL**

NOT TO SCALE



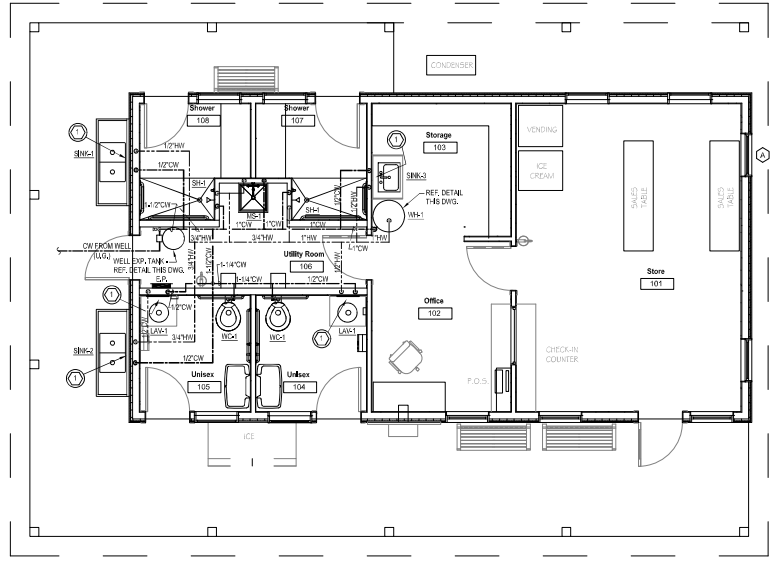
**EXTERIOR WALL SLEEVE DETAIL**

NOT TO SCALE



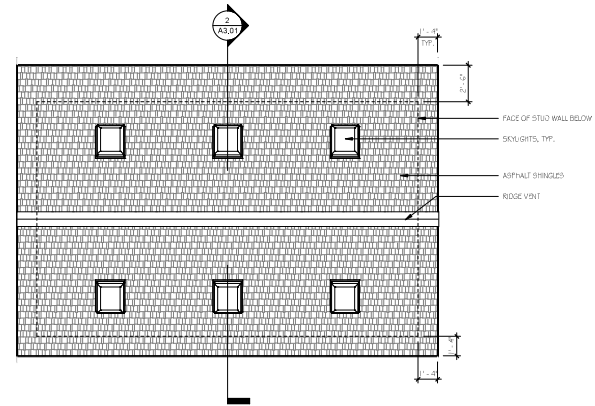
**WELL SYSTEM PRESSURE CONTROL TANK DETAIL**

NOT TO SCALE

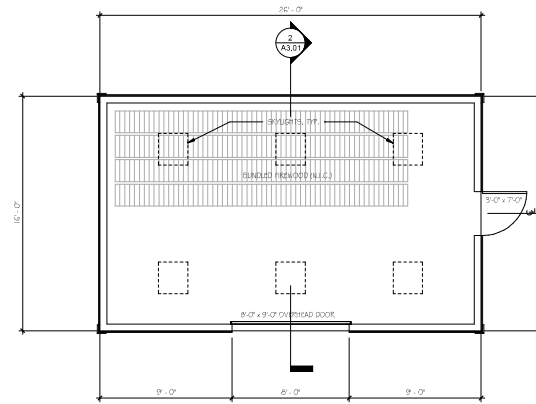


**PLUMBING PLAN - DOMESTIC WATER AND GAS**

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



**2** .ROOF PLAN  
Scale: 1/4" = 1'-0"



**1** .MAIN FLOOR PLAN  
Scale: 1/4" = 1'-0"

FOR REVIEW

NOV. 29, 2023

NOT FOR CONSTRUCTION

Issue

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Graphic Scale

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

Date: Nov. 29, 2023

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WOODSHED - FLOOR & ROOF  
PLANS

Sheet Number:

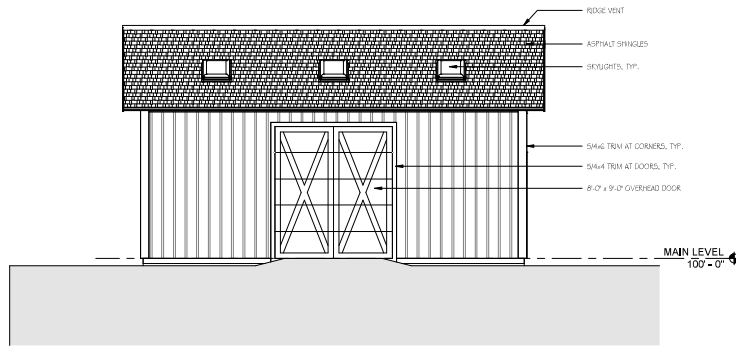
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Project Number: 2136A

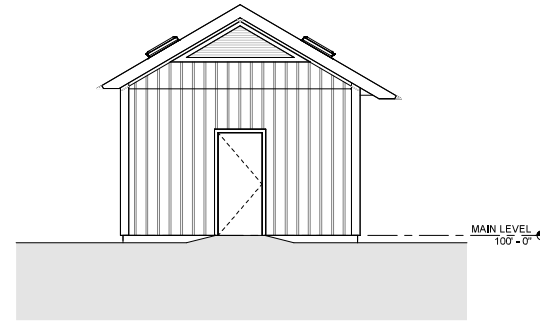
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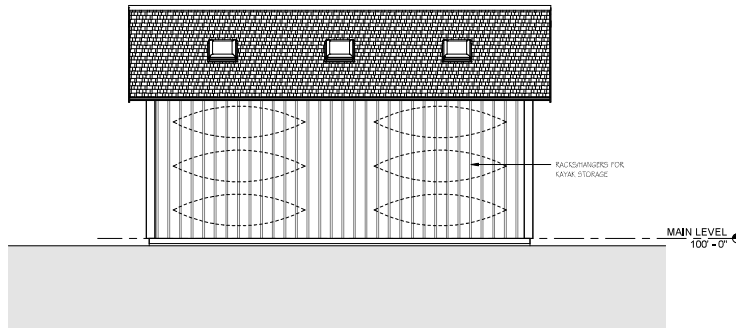
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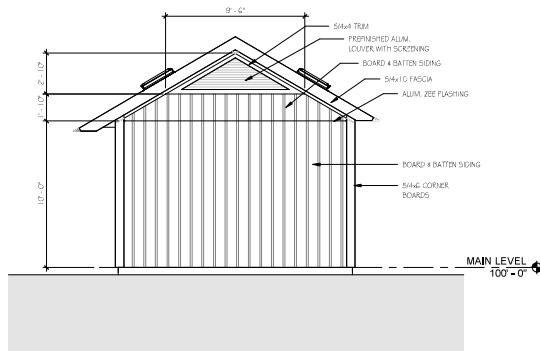
**2 FRONT ELEVATION**  
Scale: 1/4" = 1'-0"



**1 RIGHT ELEVATION**  
Scale: 1/4" = 1'-0"



**4 REAR ELEVATION**  
Scale: 1/4" = 1'-0"

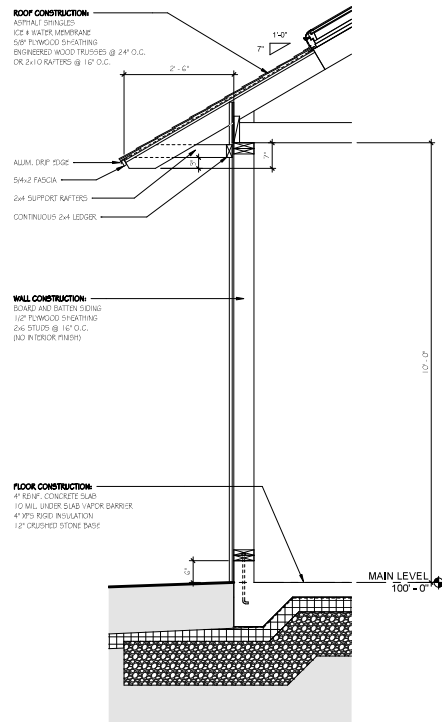


**3 LEFT ELEVATION**  
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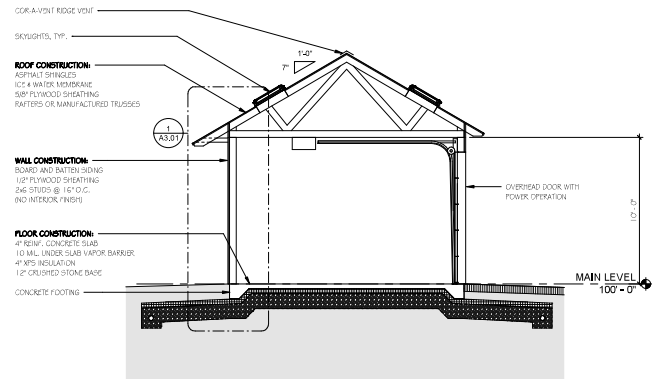
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**1 WALL SECTION**  
 Scale: 3/4" = 1'-0"



**2 BUILDING SECTION - SHALLOW FOUNDATION**  
 Scale: 1/4" = 1'-0"

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NOV. 29, 2023

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Campground Expansion Project PH  
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Issue

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WOODSHED - SECTIONS

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Project Number: 2136A

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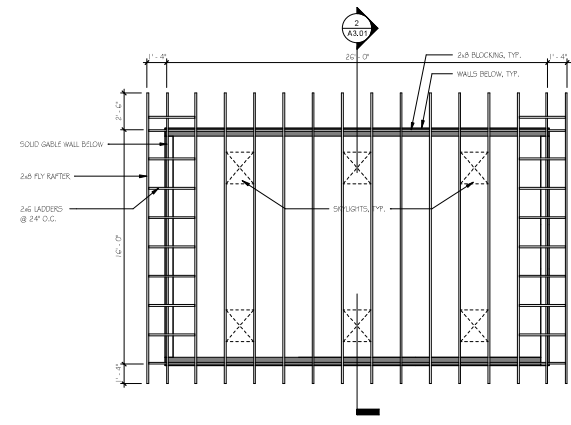
Issues:

No.	Description	Date

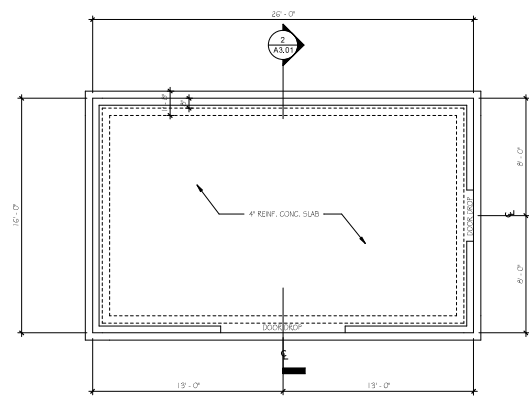
Title  
**WOODSHED - FOUNDATION & ROOF FRAMING PLANS & DETAILS**

Sheet Number:  
**S1.01**

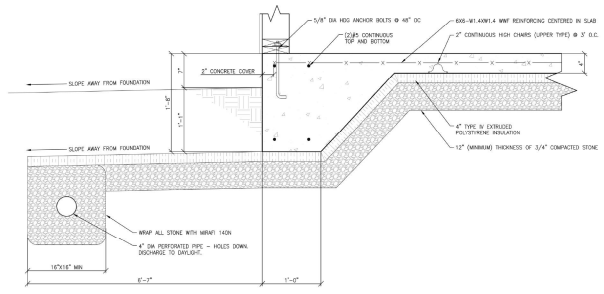
Project Number: 2136A  
 File:



**2 ROOF FRAMING PLAN**  
 Scale: 1/4" = 1'-0"



**1 FOUNDATION PLAN**  
 Scale: 1/4" = 1'-0"



**3 FOUNDATION DETAIL**  
 Scale: 1" = 1'-0"