

MOLLIDGEWOCK STATE PARK

NEW VISITORS RECEPTION CENTER - 60% DESIGN

1437 Berlin Road

Errol, NH 03570

SHEET LIST

<u>SHEET NO.</u>	<u>SHEET TITLE</u>
G0.00	COVER SHEET
C1.00	EXISTING CONDITIONS
C1.01	DEMOLITION PLAN
C2.00	SITE PLAN
C3.00	EROSION CONTROL DETAILS
C3.01	CIVIL DETAILS
A1.01	MAIN FLOOR REFLECTED CEILING & ROOF PLAN
A1.02	ROOF PLAN
A2.01	EXTERIOR ELEVATIONS
A3.01	BUILDING & WALL SECTIONS
A4.01	INTERIOR ELEVATIONS
A5.01	SCHEDULES
S1.01	FOUNDATION PLAN
S2.02	ROOF FRAMING PLAN
M1.01M	MECHANICAL PLAN AND DETAILS
E1.01M	ELECTRICAL PLAN AND DETAILS
P1.01M	PLUMBING PLAN AND DETAILS

SITE



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

Issue

60% DESIGN

Graphic Scale

North

Scale:

Date: October 11, 2023

Drawn By: KS

Checked By: PO

Issues:

No.	Description	Date
1	Name	00/00/00

Title

COVER SHEET

Sheet Number:

G0.00

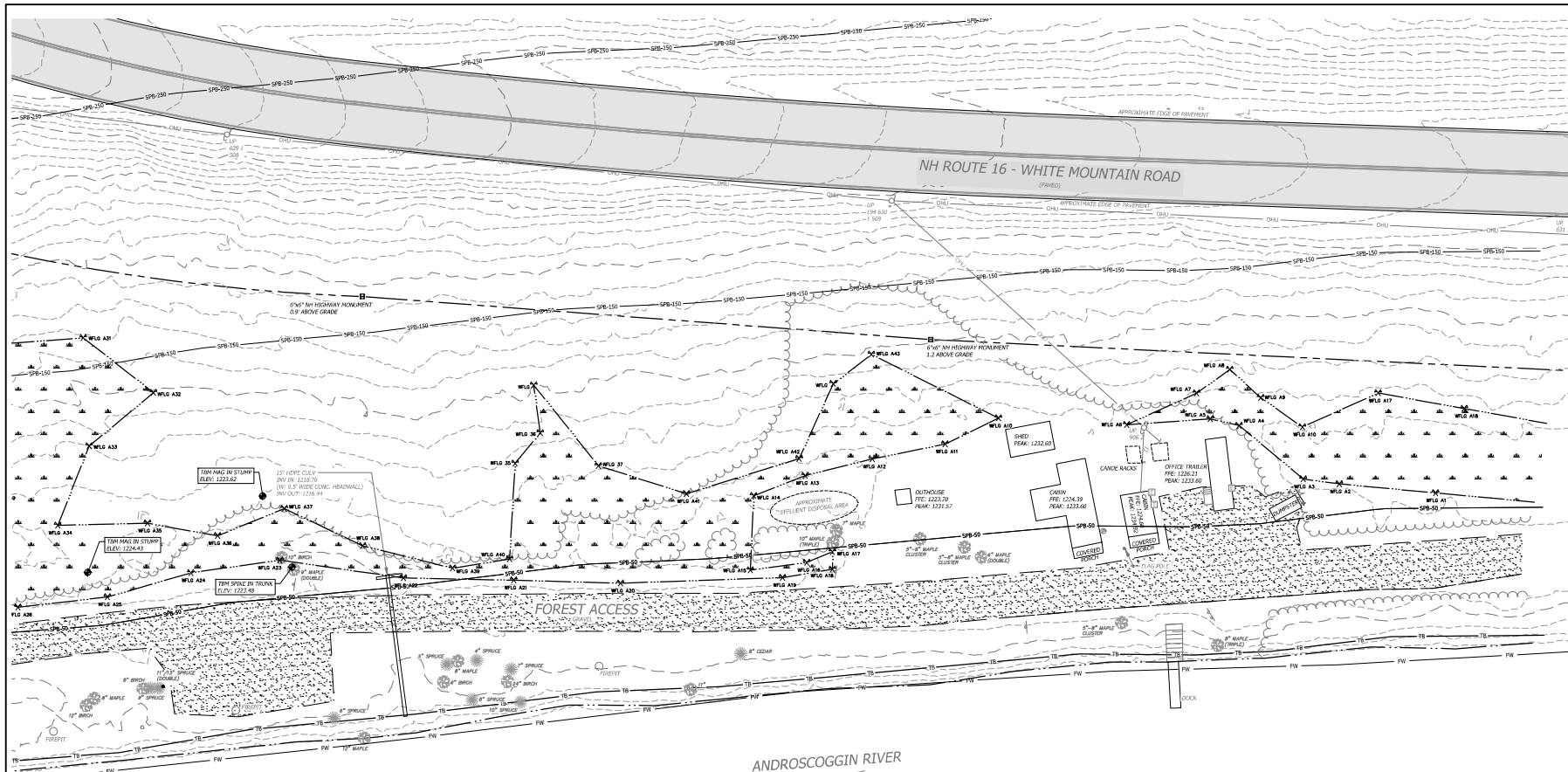
Project Number: 23045001

File: 10.00-cover sheet.dwg

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

CIVIL ENGINEER
HORIZONS ENGINEERING
8836 POMFRET ROAD, SUITE 2A
NORTH POMFRET, VT 05053

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



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 GRV 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 FIRM MAP NUMBER 33007C0682 EFFECTIVE ON 2/20/2013.
5. THE LOCATION OF NH ROUTE 16 AS DEPICTED HEREON IS APPROXIMATE BASED ON AERIAL ORTHOPHOTOGRAPHY DATED 2015.
6. THE APPROXIMATE RIGHT-OF-WAY SHOWN HEREON IS BASED ON REFERENCE PLAN "BOUNDARY PLAN OF MOLLIDGWOOD STATE PARK" DATED FEBRUARY 16, 2018 PREPARED BY THE STATE OF NEW HAMPSHIRE DEPARTMENT OF NATURAL & CULTURAL RESOURCES AND EVIDENCE FOUND IN THE FIELD.

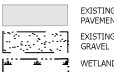
WETLAND NOTES

STATE AND FEDERAL JURISDICTIONAL WETLANDS WERE DELINEATED BY N.H. CERTIFIED WETLAND SCIENTIST, ELLIOTT 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 (EDC/EL 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."
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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. VASILEAS, 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

NH STATE PARKS

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

Issue

60% DESIGN

Graphic Scale

0 10 20 40

North



Scale: 1" = 20'

Date: October 10, 2023

Drawn By: DW

Checked By: RH

Issues:

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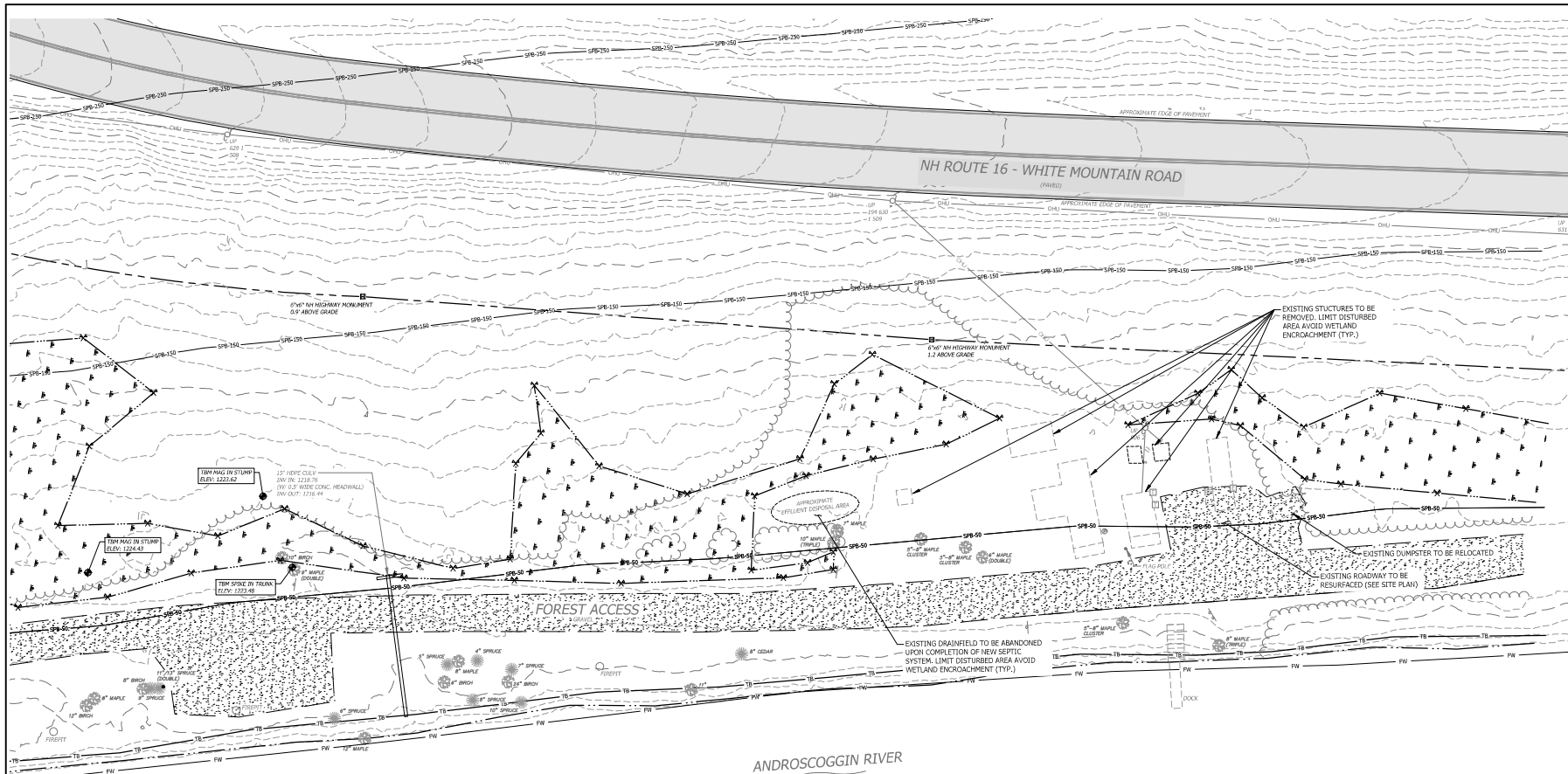
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**EXISTING
CONDITIONS**

Sheet Number:

C1.00

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



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---	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
---	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

60% DESIGN

Graphic Scale

0 10 20 40

North

Scale: 1" = 20'

Date: October 10, 2023

Drawn By: DW

Checked By: RH

Issues:

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Title

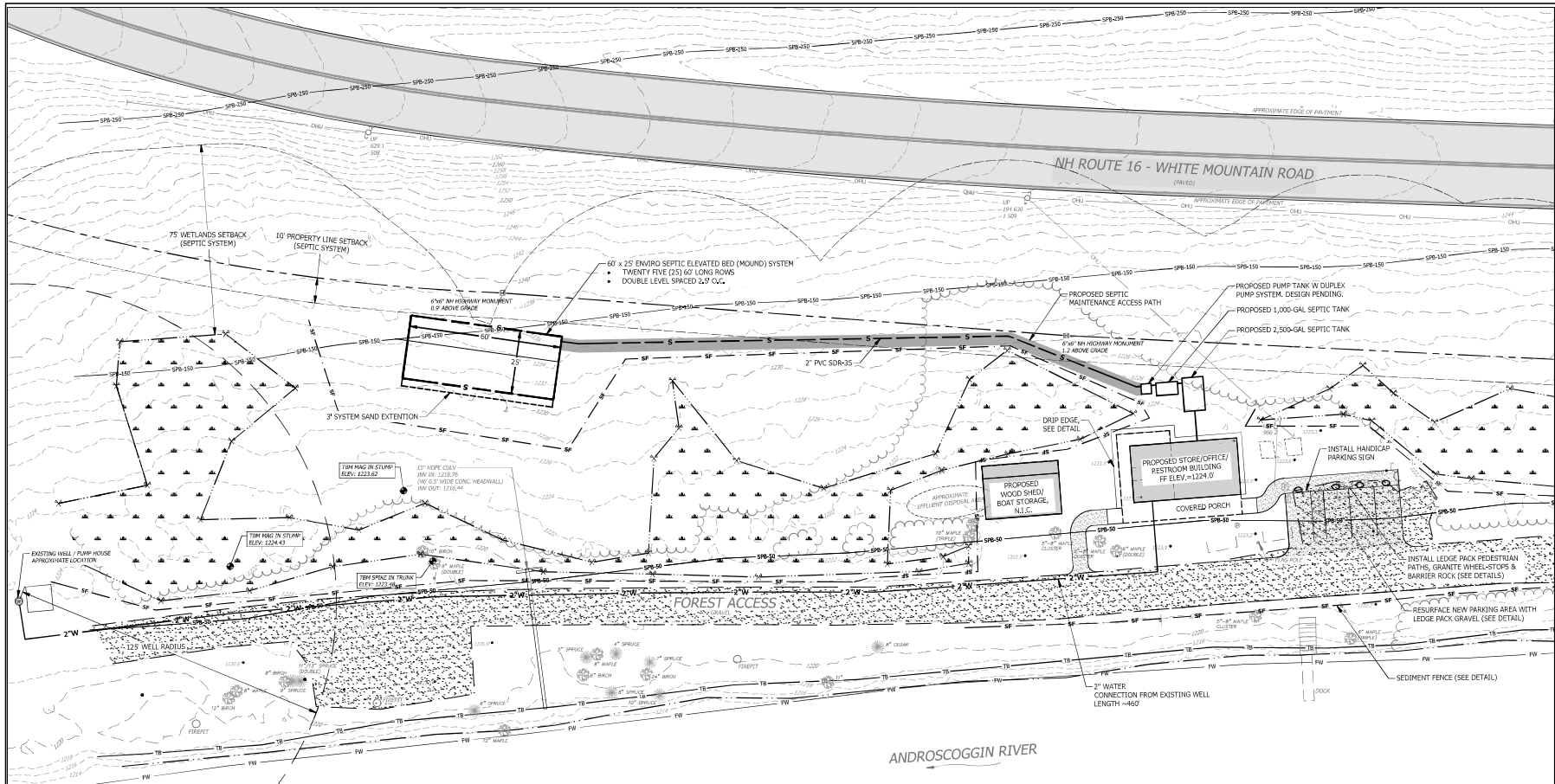
**DEMOLITION
PLAN**

Sheet Number:

C1.01

Project Number: 23045001

File: 220838 - x-site.dwg



GENERAL NOTES

1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND TECHNICAL SPECIFICATIONS FOR _____ DATED _____.
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.

LEGEND

---	APPROXIMATE RIGHT-OF-WAY LIMIT
---	MAJOR CONTOUR, 10-FOOT INTERVAL
---	MINOR CONTOUR, 2-FOOT INTERVAL
---	EDGE OF WETLAND
---	EDGE OF GRAVEL
---	SEDIMENT FENCE
---	SETBACK
---	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
---	BOULDER BOLLARD
---	WOOD POST BOLLARD
---	FLAG POST
---	DECIDUOUS TREE
---	CONIFER TREE
---	WETLAND FLAG AND FLAG ID #
---	SPOT ELEVATION
---	EXISTING PAVEMENT
---	EXISTING GRAVEL
---	PROPOSED GRAVEL
---	WETLAND

PROGRESS PRINT
NOT FOR CONSTRUCTION

NH STATE PARKS

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

Issue

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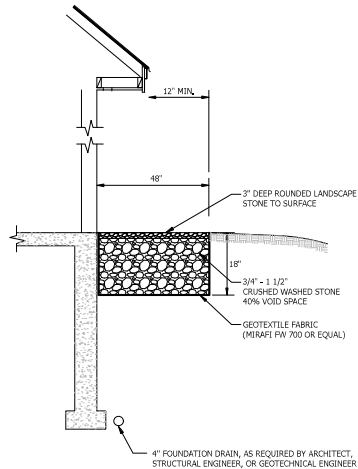
SITE PLAN

Sheet Number:

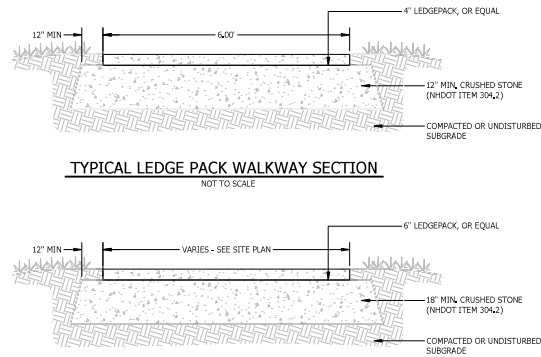
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Project Number: 23045001

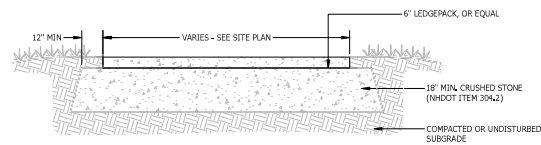
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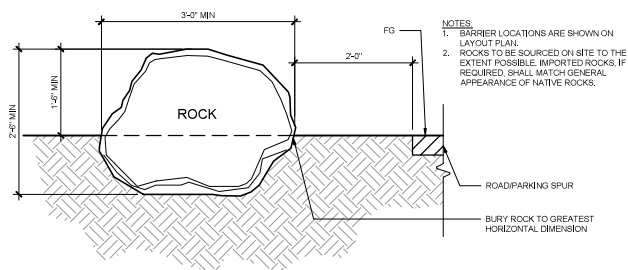
INFILTRATING STONE DRIP EDGE DETAIL
NOT TO SCALE



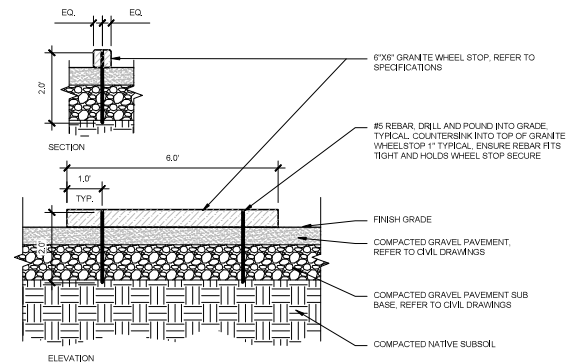
TYPICAL LEDGE PACK WALKWAY SECTION
NOT TO SCALE



TYPICAL LEDGE PACK PARKING AREA SECTION DETAIL
NOT TO SCALE



BARRIER ROCK DETAIL
1" = 1.0'



GRANITE WHEEL STOP DETAIL
1" = 2.0'

PROGRESS PRINT
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Issues:

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APPLICABLE BUILDING SAFETY CODES:

- NH STATE BUILDING CODE (RSA 150:9)
- INTERNATIONAL BUILDING CODE (IBC) - 2018 EDITION, AS AMENDED
- NEW HAMPSHIRE SAF-C 6200 FIRE CODE
- NFPA 1 FIRE CODE - 2018 EDITION
- NFPA 101 LIFE SAFETY CODE - 2018 EDITION - CHAPTER 36, "NEW VENTILATION"
- INTERNATIONAL ENERGY CONSERVATION CODE (IECC) - 2018 EDITION
- INTERNATIONAL PLUMBING CODE (IPC) - 2018 EDITION
- INTERNATIONAL MECHANICAL CODE (IMC) - 2018 EDITION
- NATIONAL ELECTRIC CODE (NEC) - 4000
- APPLICABLE ACCESSIBILITY CODES & STANDARDS:
 - ICC A 117.1-2009 - ACCESSIBLE & USABLE BUILDINGS & FACILITIES

PROPOSED FACILITY:

OVERALL FACILITY FIRE PROTECTION

- SPRINKLER SYSTEM NOT REQUIRED (IBC 903.2.7)
- FIRE EXTINGUISHERS COMPLYING WITH IBC 906.1

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

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

BUILDING STORIES & HEIGHT: (IBC TABLES 504.3 & 504.4)

- ALLOWABLE STORIES: 2 STORIES
- PROPOSED STORIES: 1 STORY = $\frac{19'-0"}{8'-0"} = 2.375$
- ALLOWABLE HEIGHT: 40'-0" (TO AVERAGE HEIGHT OF HIGHEST ROOF PLANE)
- PROPOSED HEIGHT: **19'-0"** = $\frac{19'-0"}{8'-0"} = 2.375$

BUILDING AREA: (IBC TABLE 506.2)

- ALLOWABLE AREA (1ST FLOOR PLAN): **8,000 GSF**
- PROPOSED AREA (1ST FLOOR PLAN): **1,585 GSF** = $\frac{1,585}{8,000} = 0.197$

- 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 CEILING: A, B, or C (38.3.3.3)

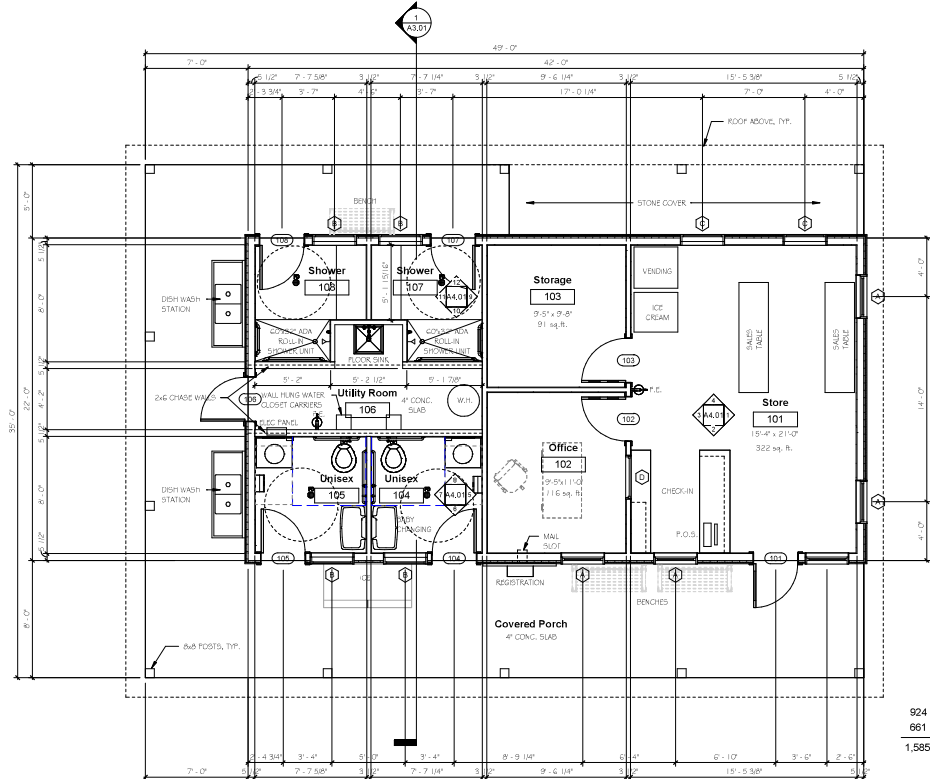
ENERGY CODE - MINIMUM THERMAL ENVELOPE REQUIREMENTS:

- BUILDING IS UNHEATED

- WATER CLOSETS: 1 MALE, 1 FEMALE
- LAVATORIES: 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). NH AMENDMENT TO IBC: SINGLE OCCUPANCY TOILETS MAY BE UNDER PROVIDED THE NUMBER OF WATER CLOSETS COMPLIES 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"

SAMYN - D'ELIA
ARCHITECTS, P.A.

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

FOR REVIEW

OCT. 11, 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 Belknap Mountain Road
Gilford, NH 03249
tel: (603) 528-7641

NH STATE PARKS

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

Issue

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Scale: As Indicated

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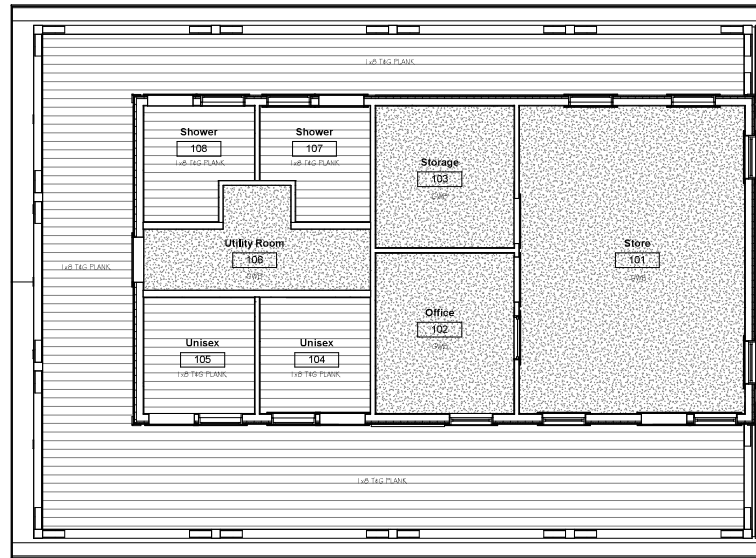
MAIN FLOOR PLAN

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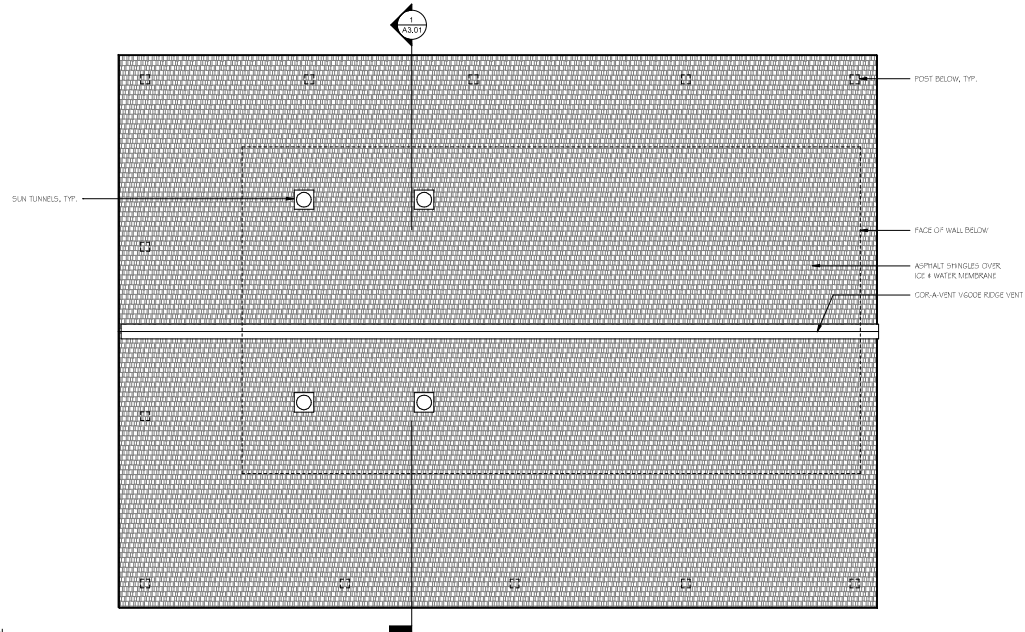
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Project Number: 19238

File:



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



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

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**MAIN FLOOR REFLECTED
CEILING & ROOF PLAN**

Sheet Number:

A1.02

Project Number: 19238

File:

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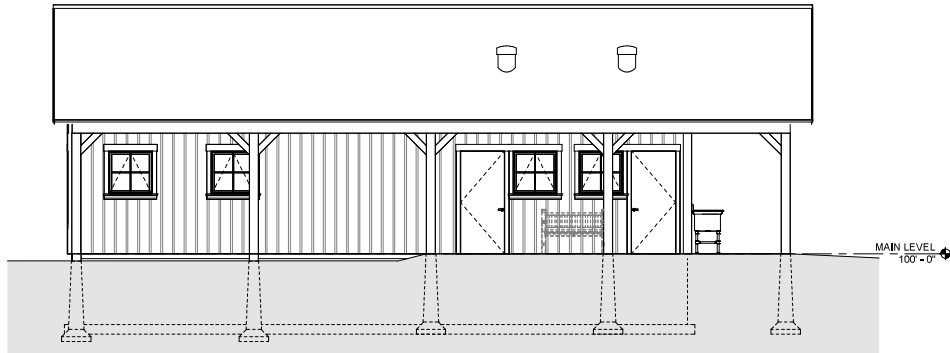
EXTERIOR ELEVATIONS

Sheet Number:

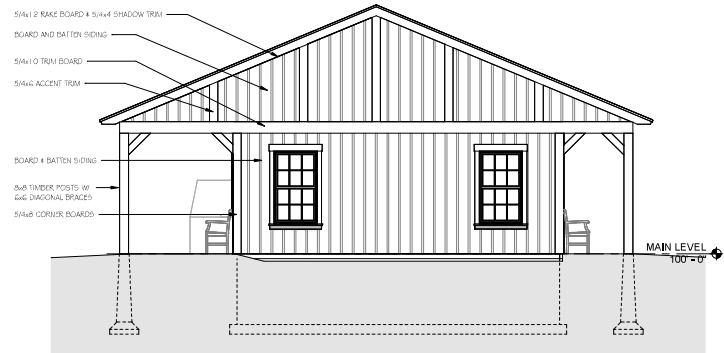
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Project Number: 19238

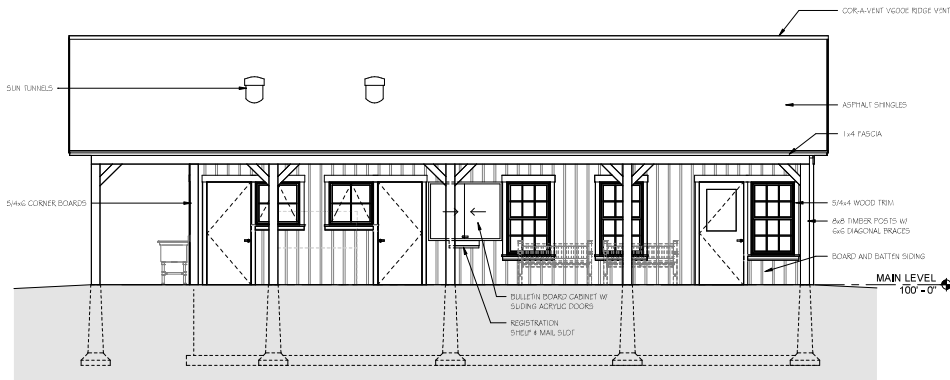
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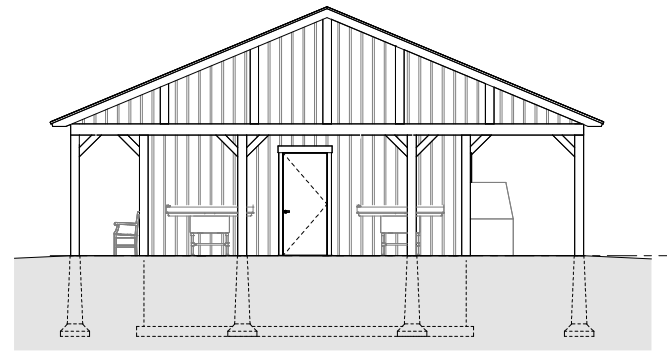
1 NORTH ELEVATION
Scale: 1/4" = 1'-0"



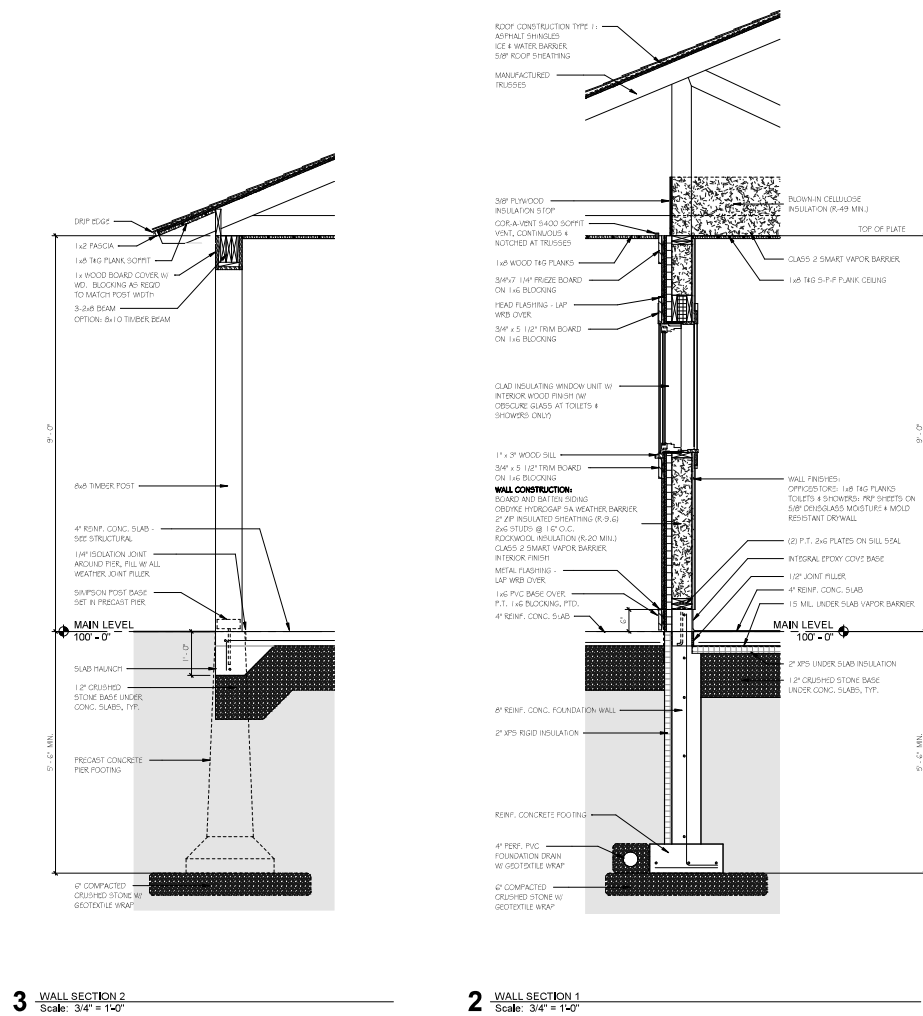
2 EAST ELEVATION
Scale: 1/4" = 1'-0"



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



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



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

Issue

60% DESIGN

Graphic Scale

North

Scale: As indicated

Date: Oct. 11, 2023

Drawn By: MR

Checked By: WD

Issues

No.	Description	Date

Title

BUILDING & WALL SECTIONS

Sheet Number:

A3.01

Project Number: 19238

File:

FOR REVIEW

OCT. 11, 2023

NOT FOR CONSTRUCTION

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

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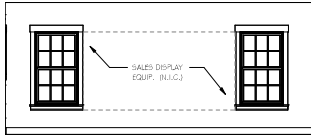
INTERIOR ELEVATIONS

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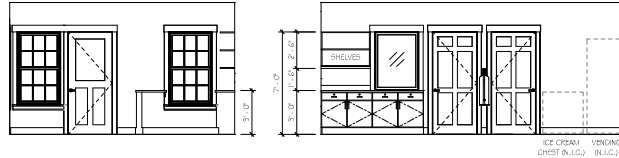
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Project Number: 1923B

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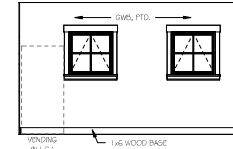


1 STORE - NORTH
Scale: 1/4" = 1'-0"

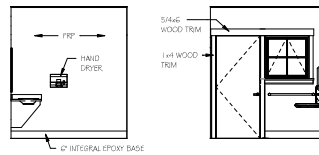


2 STORE - EAST
Scale: 1/4" = 1'-0"

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

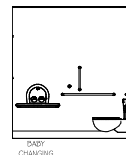


4 STORE - WEST
Scale: 1/4" = 1'-0"

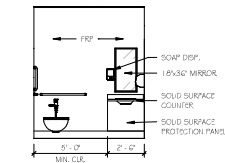


5 UNISEX - NORTH
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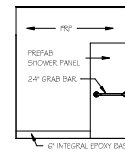
6 UNISEX - EAST
Scale: 1/4" = 1'-0"



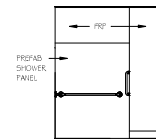
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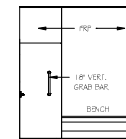
8 UNISEX - WEST
Scale: 1/4" = 1'-0"



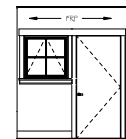
9 SHOWER - NORTH
Scale: 1/4" = 1'-0"



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



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



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

FINISH SCHEDULE									
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	COMMENTS
101	Store	LUXURY VINYL PLANK	1x6 WOOD	5/8" GWS	5/8" GWS	5/8" GWS	5/8" GWS	5/8" GWS	
102	Office	LUXURY VINYL PLANK	1x6 WOOD	5/8" GWS	5/8" GWS	5/8" GWS	5/8" GWS	5/8" GWS	
103	Storage	SPALLED CONCRETE	4" VINYL	5/8" GWS	5/8" GWS	5/8" GWS	5/8" GWS	5/8" GWS	
104	Unisex	EPoxy	6" INTEGRAL EPoxy	FRP ON 5/8" GWS	FRP ON 5/8" GWS	FRP ON 5/8" GWS	FRP ON 5/8" GWS	1x6 TAG PLANKS	
105	Unisex	EPoxy	6" INTEGRAL EPoxy	FRP ON 5/8" GWS	FRP ON 5/8" GWS	FRP ON 5/8" GWS	FRP ON 5/8" GWS	1x6 TAG PLANKS	
106	Utility Room	SPALLED CONCRETE	6" INTEGRAL EPoxy	FRP ON 5/8" GWS	FRP ON 5/8" GWS	FRP ON 5/8" GWS	FRP ON 5/8" GWS	5/8" GWS	
107	Shower	EPoxy	6" INTEGRAL EPoxy	FRP ON 5/8" GWS	FRP ON 5/8" GWS	FRP ON 5/8" GWS	FRP ON 5/8" GWS	1x6 TAG PLANKS	
108	Shower	EPoxy	6" INTEGRAL EPoxy	FRP ON 5/8" GWS	FRP ON 5/8" GWS	FRP ON 5/8" GWS	FRP ON 5/8" GWS	1x6 TAG PLANKS	

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	PREPFL	FIBERGLASS	PREPFL	
102	3'-0"	7'-0"	1-3/4"	6 FRAME	WOOD	STAINED	WOOD	STAIN	
103	3'-0"	7'-0"	1-3/4"	6 FRAME	WOOD	STAINED	WOOD	STAIN	
104	3'-0"	7'-0"	1-3/4"	FLUSH	FIBERGLASS	PREPFL	FIBERGLASS	PREPFL	
105	3'-0"	7'-0"	1-3/4"	FLUSH	FIBERGLASS	PREPFL	FIBERGLASS	PREPFL	
106	3'-0"	7'-0"	1-3/4"	FLUSH	FIBERGLASS	PREPFL	FIBERGLASS	PREPFL	
107	3'-0"	7'-0"	1-3/4"	FLUSH	FIBERGLASS	PREPFL	FIBERGLASS	PREPFL	
108	3'-0"	7'-0"	1-3/4"	FLUSH	FIBERGLASS	PREPFL	FIBERGLASS	PREPFL	

WINDOW SCHEDULE						
MARK	WIDTH	HEIGHT	TYPE	MODEL	COMMENTS	COUNT
A	3'-0 1/2"	5'-0 1/4"	Elevate Double Hung	ELDH3660		5
B	3'-0 1/2"	2'-11 5/8"	Elevate Awning	ELAWN3735	WITH OBSCURE GLASS	4
C	3'-0 1/2"	2'-11 5/8"	Elevate Awning	ELAWN3735		2
D	3'-0 1/2"	4'-0 1/2"			FIXED SINGLE GLASS	1

- NOTES:
1. EXTERIOR WINDOWS TO BE ELEVATE BY MARIN.
2. INTERIOR WINDOWS WITH SINGLE GLAZING TO BE BY BROSDO OR APPROVED EQUAL.

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FOR REVIEW

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03579

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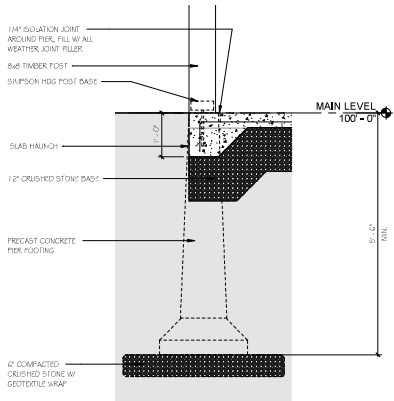
SCHEDULES

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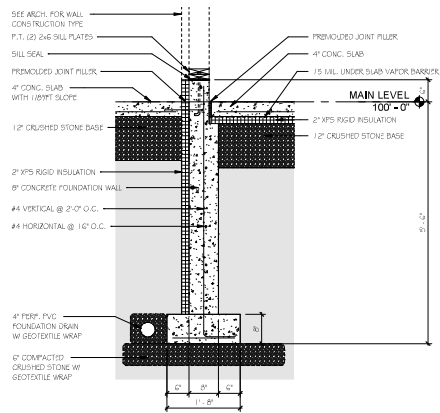
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Project Number: 19238

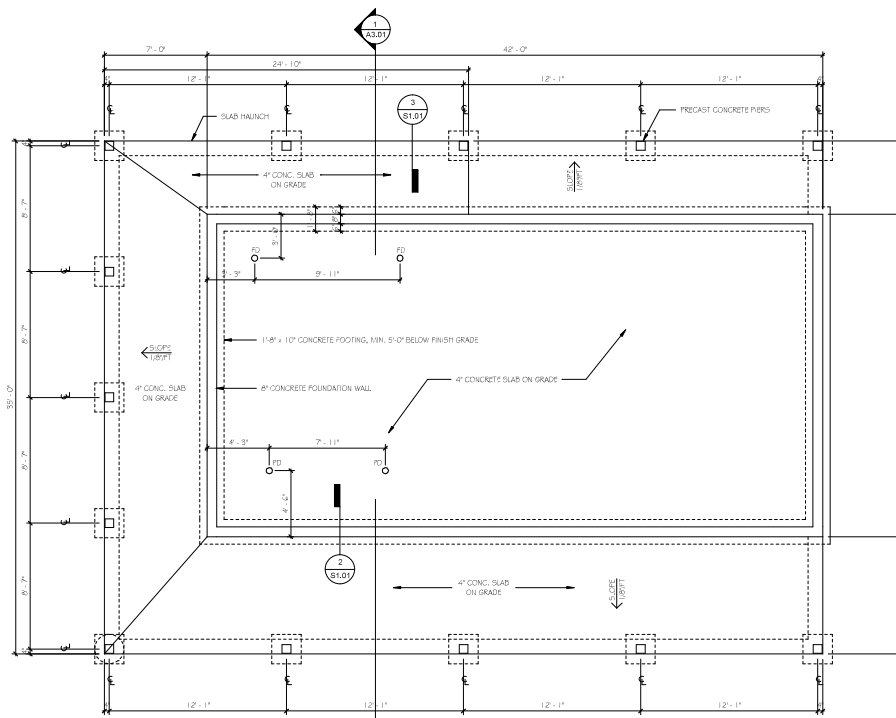
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3 SLAB EDGE DETAIL
Scale: 3/4" = 1'-0"



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



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

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NH STATE PARKS

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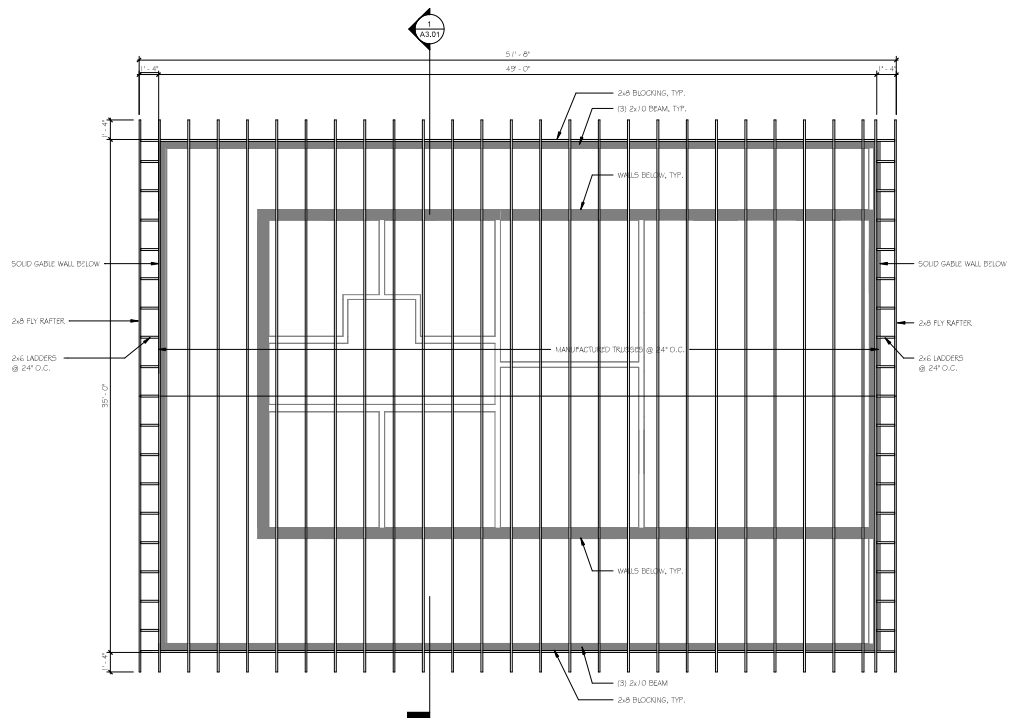
FOUNDATION PLAN

Sheet Number:

S1.01

Project Number: 19238

File:



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

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FOR REVIEW
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Issues:		
No.	Description	Date

Title

ROOF FRAMING PLAN

Sheet Number:

S2.02

Project Number: 19238

File:

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.

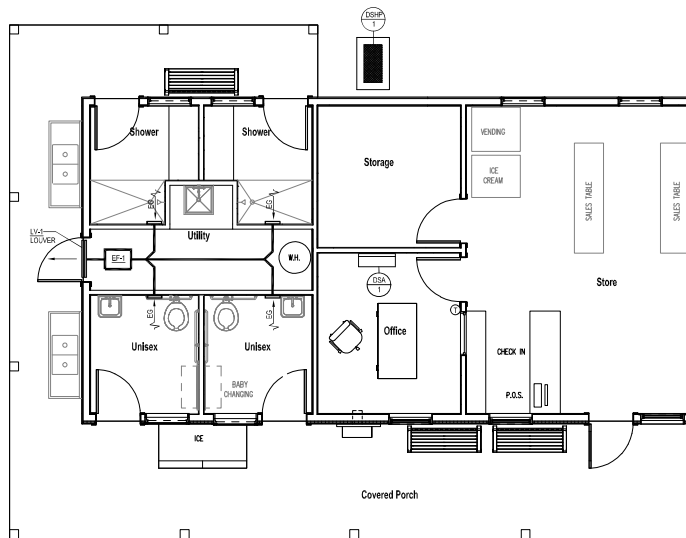
8. TESTING AND BALANCING

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. GUARANTEE

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

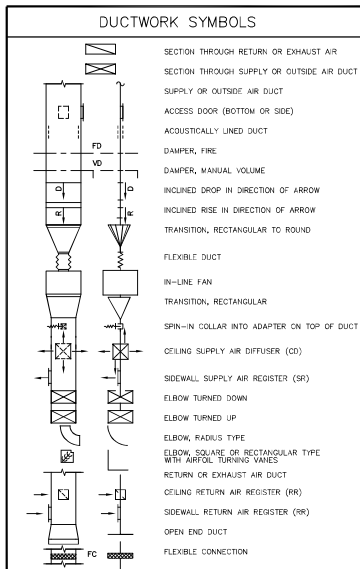
SCALE: 1/4" = 1'-0"

FAN SCHEDULE

MARK	SERVICE	LOCATION	CFM	STATIC PRESS. (IN. W.G.)	MOTOR			MANUFACTURE & MODEL
					HP	RPM	VOLT-PHASE	
EF-1	TOILETS RM.-SHOWERS	CHASE	200	0.825	1/6	1800	115-1	GREENHECK SO-80-VG

DUCTLESS SPLIT AIR CONDITIONING SYSTEM SCHEDULE

INDOOR UNIT	OUTDOOR UNIT	COOLING CAPACITY (BTU/HK)	HEATING CAPACITY (BTU/HK)	CFM	STATIC PRESS. IN. W.G.	SEER-COP EFFICIENCY	REFRIGERANT PIPING		ELECTRICAL	MANUFACTURER & MODEL	OPTIONS-ACCESSORIES	
							LIQUID	SUCTION				MCA MAX. TONS
DSA-1	DSH-4	12,000	13,500	340		19-1/8	1/4"	3/8"	11 1/2	240V/60	MITSUBISHI MODEL PUA-12H47 MITSUBISHI MODEL PUA-12H47	• CONDENSATE PUMP • PROVIDE LOW AMBIENT RPT • MECHANICAL CONTRACTOR TO FIELD ROUTE CONDENSATE PIPING PER IAC - 2015 • WIRELESS THERMOSTAT (BY MITSUBISHI) • INDOOR HP UNIT TO HAVE DISCONNECT, • PROVIDE 1" STAND FPM DSH-4.
		1/4"	3/8"				1.2 1/2	240V/60				



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NH STATE PARKS

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Issue

60% DESIGN

Graphic Scale

North

Scale: As Indicated

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Issues:

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Title

MECHANICAL PLAN AND DETAILS

Sheet Number:

M1.01M

Project Number: 23045001

File:

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 DWT W/ W.P. FITTINGS
BRANCH CIRCUITS (EXPOSED)	EMT
BRANCH CIRCUITS (CONCEALED)	MC
SUPPLY TO DISTRIBUTION PANEL	EMT
UNDERGROUND SERVICE ENTRANCE	PVC - SCHEDULE 40
- WIRE:
 - WIRE SHALL BE SINGLE CONDUCTOR COPPER WITH 60 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 "LOOK-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 5362 (MOUNTING @ 18" A.F.F.).
 - SWITCHES SHALL BE STANDARD GRADE RATED 20 AMP AT 120 VOLT (MOUNTING @ 48" A.F.F.).
 - 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, GUILD, ITE OR EQUAL.
- BOXES:
 - OUTLET BOXES AND COVERS SHALL BE GALVANIZED, ONE-PIECE PRESSSED STEEL KNUCKOUT.
 - 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 BAKELITE NAMEPLATES AS TO NAME 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.
- GUARANTEE:
 - 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.
- FINALLS:
 - 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
AF	ABOVE FINISHED FLOOR.
CB	CIRCUIT BREAKER.
EP	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.
UG	UNDERGROUND.
UCN	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

	FLORESCENT 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

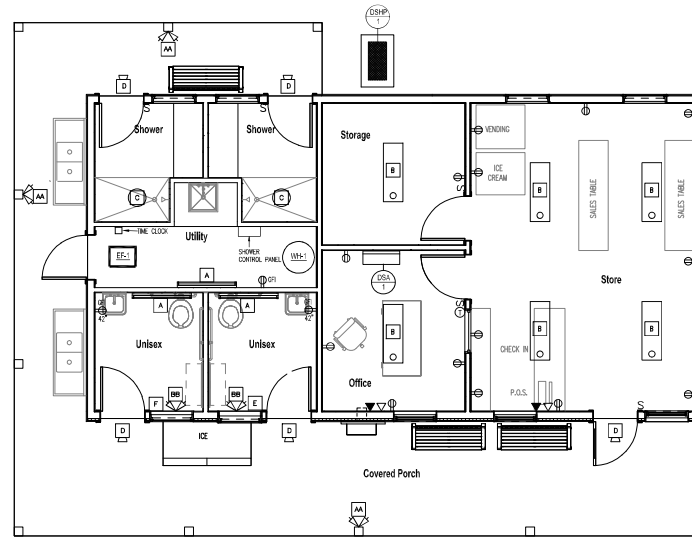
	GROUNDDED DUPLEX RECEPTACLE (NEMA 5-20R); MOUNTED 18" AFF UON; NUMBER INDICATES CIRCUIT.
	GROUNDDED QUADRUPLX RECEPTACLE (NEMA 5-20R); MOUNTED 18" AFF UON.
	SPECIAL PURPOSE RECEPTACLE; LETTER INDICATES TYPE, TYPE DEFINED BY NOTATION OR SCHEDULE; MOUNTED 18" AFF UON.

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 NOTES

- VERIFY CONDITION AND CAPACITY OF EXISTING ELECTRICAL SERVICE (WHATEVER 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.
- EXTRIOR LIGHTING TO BE CONTROLLED BY TIMEDLOCK, INTERMATIC MODEL T101 OR APPROVED EQUAL.
- PROVIDE LOW VOLTAGE CEILING MOUNTED ULTRASONIC MOTION DETECTOR. GREENGATE MODEL GAC-U-1000-RVSP25-WY OR APPROVED EQUAL.



ELECTRICAL POWER PLAN

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

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	FIXTURE MAKE/MODEL	LAMPING	MOUNTING
A	METALLUX	4-BULB-LD4-28SL-F-UNV-LB30-CO-1	32W LED	WALL MOUNTED @ 8'-0" AFF
B	METALLUX	4WBLD-LD4-40SL-UNV-LB40-CO-U	39W LED	CEILING MOUNTED - SURFACE
C	PHLO	SLD005-8-30-WH	12.5W LED	CEILING MOUNTED
D	RHB	BRK0517L-730	14W LED	ABOVE DOOR/BEHIND BEAM/POST
E	LESSARD	79WHLECC	1/4W LED	MOUNT 24" AFF
AA	DUAL-LIFE	L20R0605	2-5W/4W16	MOUNT TOP 6" T.O. WALL
BB	DUAL-LIFE	L22SD (25 WATT BATTERY)	2-5W/4W16	MOUNT TOP 6" BELOW CEILING

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NH STATE PARKS

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

Issue:
60% DESIGN
Graphic Scale:

North

Scale: As Indicated

Date: Oct. 11, 2023

Drawn By: CPB

Checked By: CPB

Issues:		
No.	Description	Date

Title
ELECTRICAL PLAN AND DETAILS

Sheet Number:

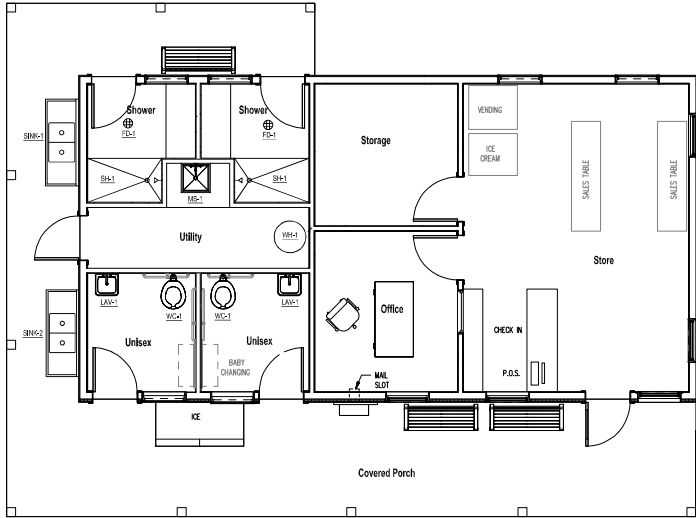
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Project Number: 23045001
File:

WATER HEATER SCHEDULE									
WHR	CAPACITY	RECOVERY @ 100 G.P.M. PRESS.	BTU PER HR.	GAS CONN.	WATER CONN.	ELECTRIC CONN. AMPS	VOLTS-PHASE	MANUFACTURE & MODEL	REMARKS
WH-1	60 GAL.	138 GAL./HR.	120,000	3/4"	1-1/4"	10.0	120-1	A.O. SMITH MODEL RWH 120	-PROPANE FIED -POWER VENTED -4" VENT & COND. AIR PIPES -46 M.F. CIRCUMF. TEMP. -MORE VALVE

PLUMBING 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 PLUMBING CODE (2018).
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 ENGINEER OR ARCHITECT.
SHOP DRAWINGS
E. 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.
2. 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" FOAM INSULATION.
D. PROVIDE DOMESTIC WATER SHUT-OFFS AT EACH PLUMBING FIXTURE.
3. 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 CEILINGS AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGS, 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.
G. ALL STUB-INS AND/OR SLAB OR WALL PENETRATION TO BE PER INTERNATIONAL PLUMBING CODE. ALL PIPING PENETRATIONS OF BUILDING FOUNDATIONS, FOOTINGS AND WALLS SHALL BE SLEEVED.
4. 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 PERFORATED METAL TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL BE AS SPECIFIED IN THE INTERNATIONAL PLUMBING CODE.
5. 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.
E. 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

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

PLUMBING FIXTURE SCHEDULE			
WHR	DESCRIPTION	MANUFACTURE - MODEL #	ACCESSORIES & NOTES
WC-1	ACCESSIBLE TOILET	AMERICAN STANDARD: AT WALL MILENIA FLOWISE 1.28 GPF FLUSHMETER MODEL: 2804.128	FLUSH VALVE: AMERICAN STANDARD MODEL 6047122.002 TOILET SEAT: AMERICAN STANDARD MODEL #960.100 CARRIER
LAV-1	COUNTER SINK	CORIAN: ADA-COMPLIANT MODEL #B15	FAUCET: SYMONS SYMMETRY S-20-S-0.5, TRAP: CHROME PLATED, MIXING VALVE: SYMONS MAULINE 7-210-OK-W, PIPE COVERS: TUBING LAV GUARD 2 1/2" SIZES
SH-1	ACCESSIBLE SHOWER	CUSTOM	DRAIN: WATTS FD-1100-A-2-NH-A5-7, HEAD: SYMONS SAFETYMAX 4-151 (2) HEADS @ ADJ. CONTROLS: SYMONS SAFETYMAX 4-500-BH-1P, SHOWER VALVE: SYMONS MODEL 520, CON-OP. FLUID: MANUFACTURING CON. OPERATED CONTROL VALVE SYSTEM
FD-1	FLOOR DRAIN	ZURB MODEL F12-TSP-1P	TRAP PRIMER: SIMPLEX PLUMBING PRODUCTS PR-500
MS-1	MOP SINK	FIAT MODEL MSB2424	FAUCETS: FIAT MODEL 833AM MOP HANGER: FIAT MODEL 8890C FIAT STAINLESS BUMPER GUARD
SINK-1	DISH WASHING SINK	ADVANCE TARGO MODEL WCCT-246 WITH TA-118-2 BOWLS AND ADJUSTABLE LEGS	FAUCETS: ADVANCE TARGO HEAVY DUTY MODEL K-1118 SPASH MOUNTED FAUCETS, 8" CTRS., SWING NOZZLE, 1/2" SPOUT. STAINLESS STEEL STRAINER AND DRAIN BODY. PROVIDE 1 FAUCET PER EACH BOWL.
SINK-2	DISH WASHING SINK	ADVANCE TARGO MODEL WCCT-246 WITH TA-118-2 BOWLS AND ADJUSTABLE LEGS	FAUCETS: ADVANCE TARGO HEAVY DUTY MODEL K-1118 SPASH MOUNTED FAUCETS, 8" CTRS., SWING NOZZLE, 1/2" SPOUT. STAINLESS STEEL STRAINER AND DRAIN BODY. PROVIDE 1 FAUCET PER EACH BOWL.
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. PROVIDE DRAIN VALVES AS REQUIRED AT LOW POINTS. DRAIN VALVES SHALL BE LOCATED TO LIMIT PUBLIC ACCESS			

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
-----	SOIL OR WASTE PIPE (BELOW GROUND)	⬆	VACUUM BREAKER
_____	SOIL OR WASTE PIPE (ABOVE GROUND)	⦶	PRESSURE GAGE
-----V-----	VENT PIPE (V)	⦶	TEMPERATURE GAGE
-----CW-----	COLD WATER PIPE (CW)	⦶	PRESSURE REDUCING VALVE
-----HW-----	HOT WATER PIPE (HW)	⦶	GAS COOK
-----HWR-----	HOT WATER RETURN (HWR)	VIR	VENT THROUGH ROOF
---G---	GAS PIPE	LAV	LAVATORY
---SD---	STORM DRAIN	WC	WATER CLOSET
---FD---	FLOOR DRAIN	URN	URINAL
---C/F---	CLEAN-OUT(FLOOR)	⬆	COLD WATER CONNECTION
---C/W---	CLEAN-OUT(WALL OR ABOVE G.L.G.)	⬆ (120°F)	HOT WATER CONNECTION
⦶H	HOT WATER HEATER	⬆ (160°F)	HOT WATER CONNECTION
⦶	GATE VALVE	⬆	HOT WATER RETURN CONNECTION
⦶	CHECK VALVE	■	GAS CONNECTION
⦶	TEMP./PRESS. RELIEF VALVE	C.S.	IN CRAWL SPACE
⦶	FIXTURE ISOLATION VALVE	⦶	ELECTRIC GAS VALVE FOR PIPING UNDER HOODS - BE INTO UNDER SYSTEM
⦶	BALL VALVE		



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