

STATE OF NEW HAMPSHIRE

Department of Natural and Cultural Resources - Division of Parks and Recreation

Mollidgewock State Park

1437 Berlin Road, Errol, NH 03570

New Visitor Reception Center (Project No. ARP 2413)

CONTRACT SET

May 8, 2024

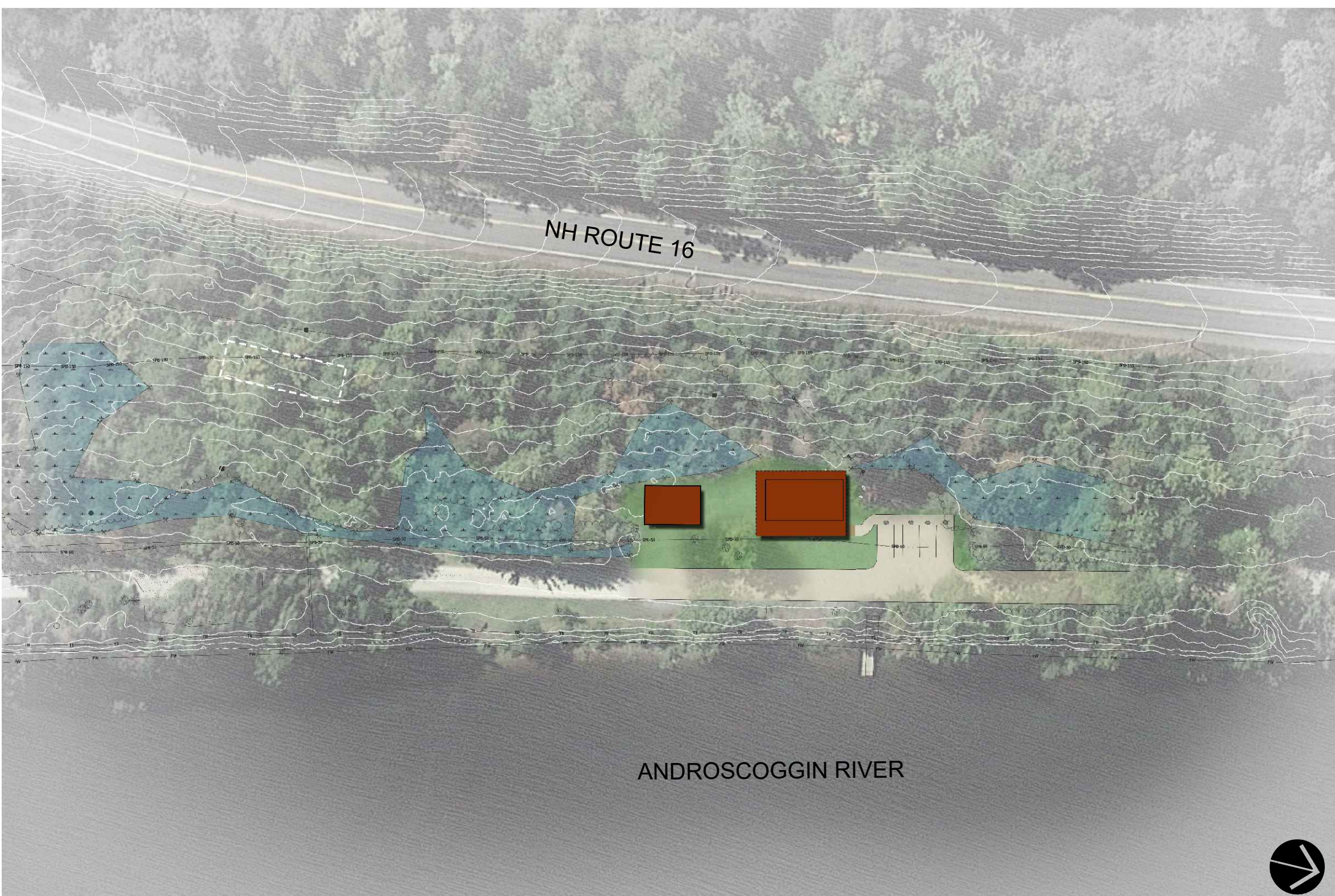
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WOODSHED

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WS-A2.01	WOODSHED EXTERIOR ELEVATIONS
WS-A3.01	WOODSHED SECTIONS
WS-S0.01	WOODSHED STRUCTURAL NOTES
WS-S1.01	WOODSHED FOUNDATION & ROOF FRAMING PLANS & DETAILS
WS-S2.01	ROOF FRAMING SECTION & DETAILS

SITE



PROJECT DIRECTORY

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NH STATE PARKS

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

Issue

CONTRACT SET

Graphic Scale

North

Scale:

Date: May 8, 2024

Drawn By: KS

Checked By: PO & AP

Issues:

No.	Description	Date
1	Name	00/00/00

Title

COVER SHEET

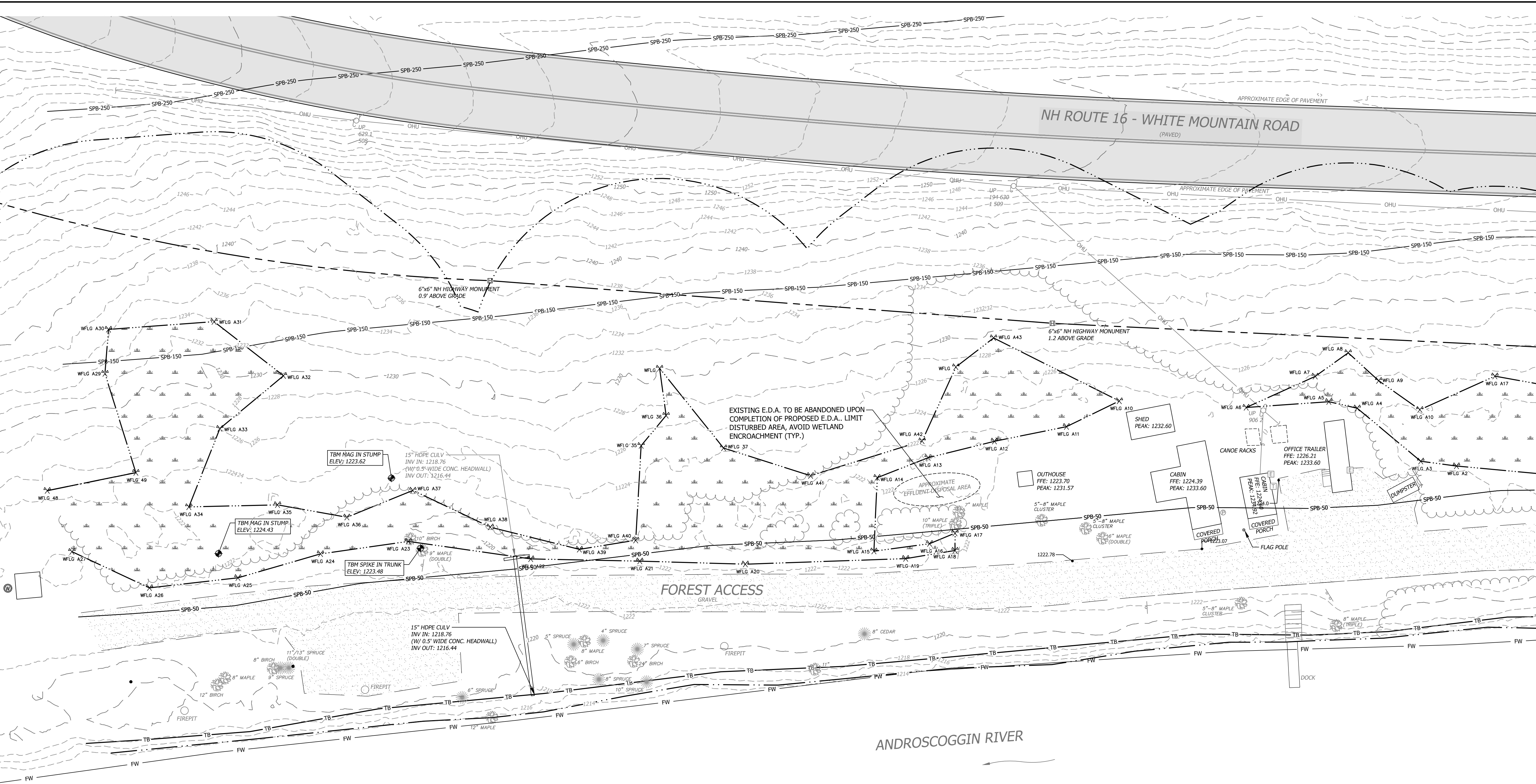
Sheet Number:

G0.00

Project Number: 23045001

File: 10.00-cover sheet.dwg

Z:\proj_2021\220838 SE Group - Campgrounds Ph. II\Internal\Civil\Bases\MOLLIDGEGWOCK\220838 - MOLL 2024-0508 CONTRACT.dwg, C.L.O. - 5/7/2024 9:11:39 AM, David Wheeler



GENERAL NOTES

- 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).
- THIS PLAN IS BASED ON A FIELD SURVEY COMPLETED IN MAY OF 2023 WITH SOKKIA GRX3 DUAL FREQUENCY SURVEY GRADE GPS RECEIVERS AND A LEICA TS13 ROBOTIC TOTAL STATION.
- TOPOGRAPHY SHOWN HEREON IS BASED ON BARE EARTH DEM LIDAR DATA FILES DATED 2017 FROM THE STATE OF NEW HAMPSHIRE.
- THE SURVEYED PARCEL IS MAPPED AS LYING OUTSIDE OF THE FLOOD ZONE PER F.E.M.A. FIRM MAP NUMBER 33007C0682D EFFECTIVE ON 2/20/2013.
- THE LOCATION OF NH ROUTE 16 AS DEPICTED HEREON IS APPROXIMATE BASED ON AERIAL ORTHOPHOTOGRAPHY DATED 2015.
- THE APPROXIMATE RIGHT-OF-WAY SHOWN HEREON IS BASED ON REFERENCE PLAN "BOUNDARY PLAN OF MOLLIDGEGWOCK 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 BUZZELL IN MAY 2023. WETLANDS MAPPING WAS DONE BY N.H. LICENSED LAND SURVEYORS, HORIZONS ENGINEERING, INC. IN ACCORDANCE WITH THE FOLLOWING GUIDANCE DOCUMENTS:

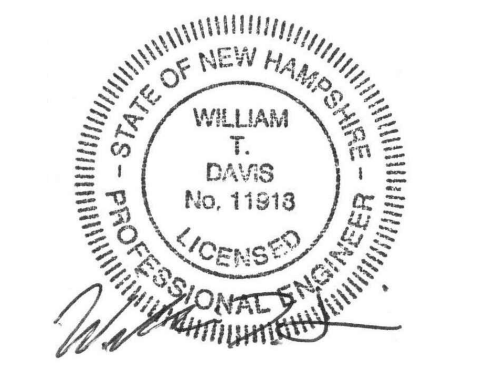
- N.H. CODE OF ADMINISTRATIVE RULES (ENV-WT 301.01) WITH THE TECHNIQUES OUTLINED IN THE 1987 "U.S. ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1."
- U.S. ARMY CORPS OF ENGINEERS. 2009. "REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION. U.S. ARMY CORPS OF ENGINEERS RESEARCH AND DEVELOPMENT CENTER, ENVIRONMENTAL LABORATORY ERDC/EL TR-09-19."
- 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."
- N.H. CODE OF ADMINISTRATIVE RULES (ENV-WT 301.02) WITH THE U.S. FISH AND WILDLIFE SERVICE MANUAL FWS/OBS-79/31 ENTITLED "CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES, COWARDIN ET AL. 1979."
- 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.
- 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
- TB 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
- OHE OVERHEAD UTILITY LINES
- EXISTING PAVEMENT
- EXISTING GRAVEL
- WETLAND
- 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

FOR BIDDING
NOT FOR CONSTRUCTION

horizons
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Issue

CONTRACT SET

Graphic Scale

0 10 20 40

North

Scale: 1" = 20'

Date: May 8, 2024

Drawn By: DW

Checked By: RH

Issues:

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1	Name	00/00/00

Title

**EXISTING
CONDITIONS**

Sheet Number:

C1.00

Project Number: 23045001
File: 220838 - moll 2024-0508 contract.dwg

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CONTRACT SET

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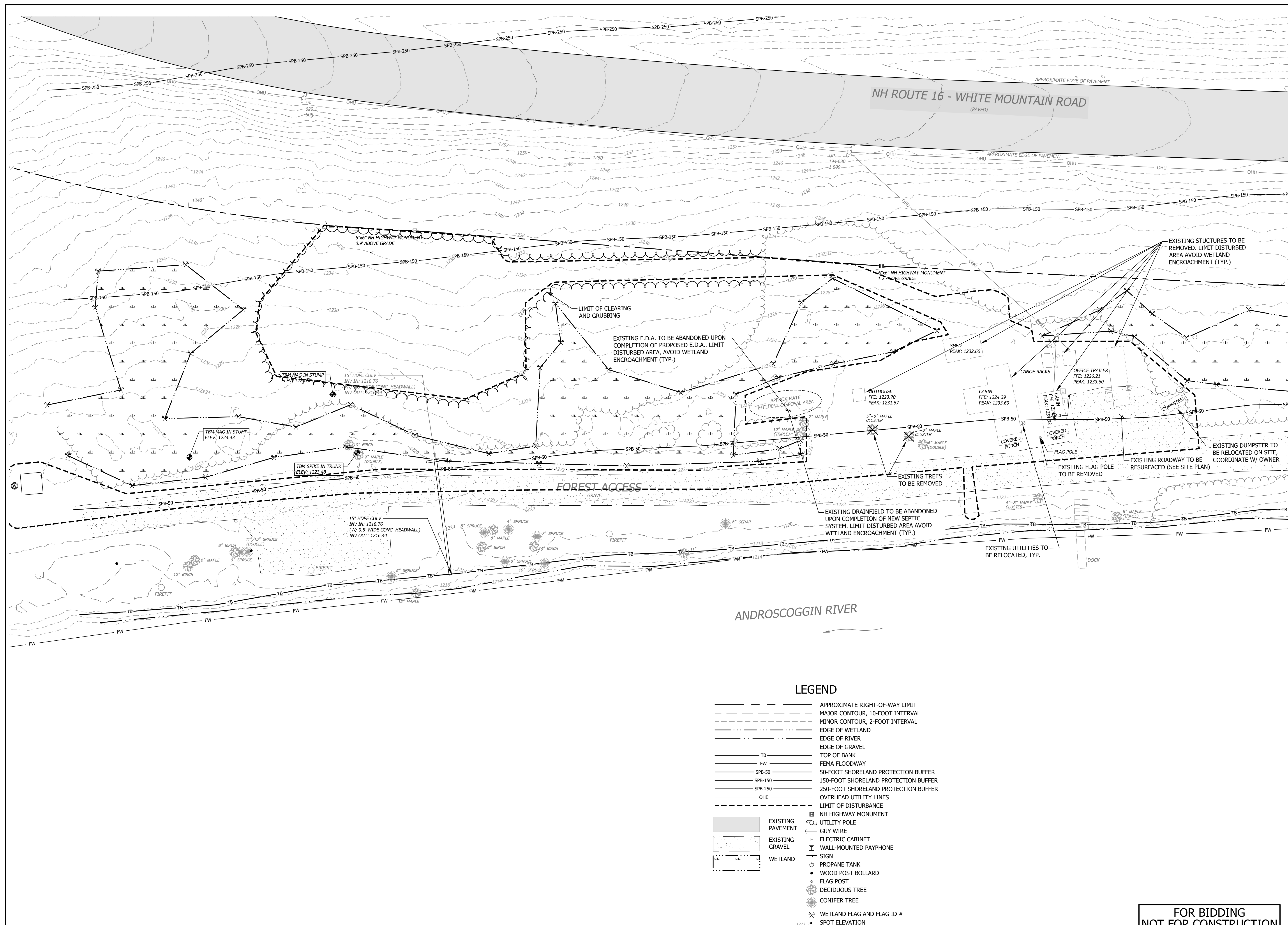
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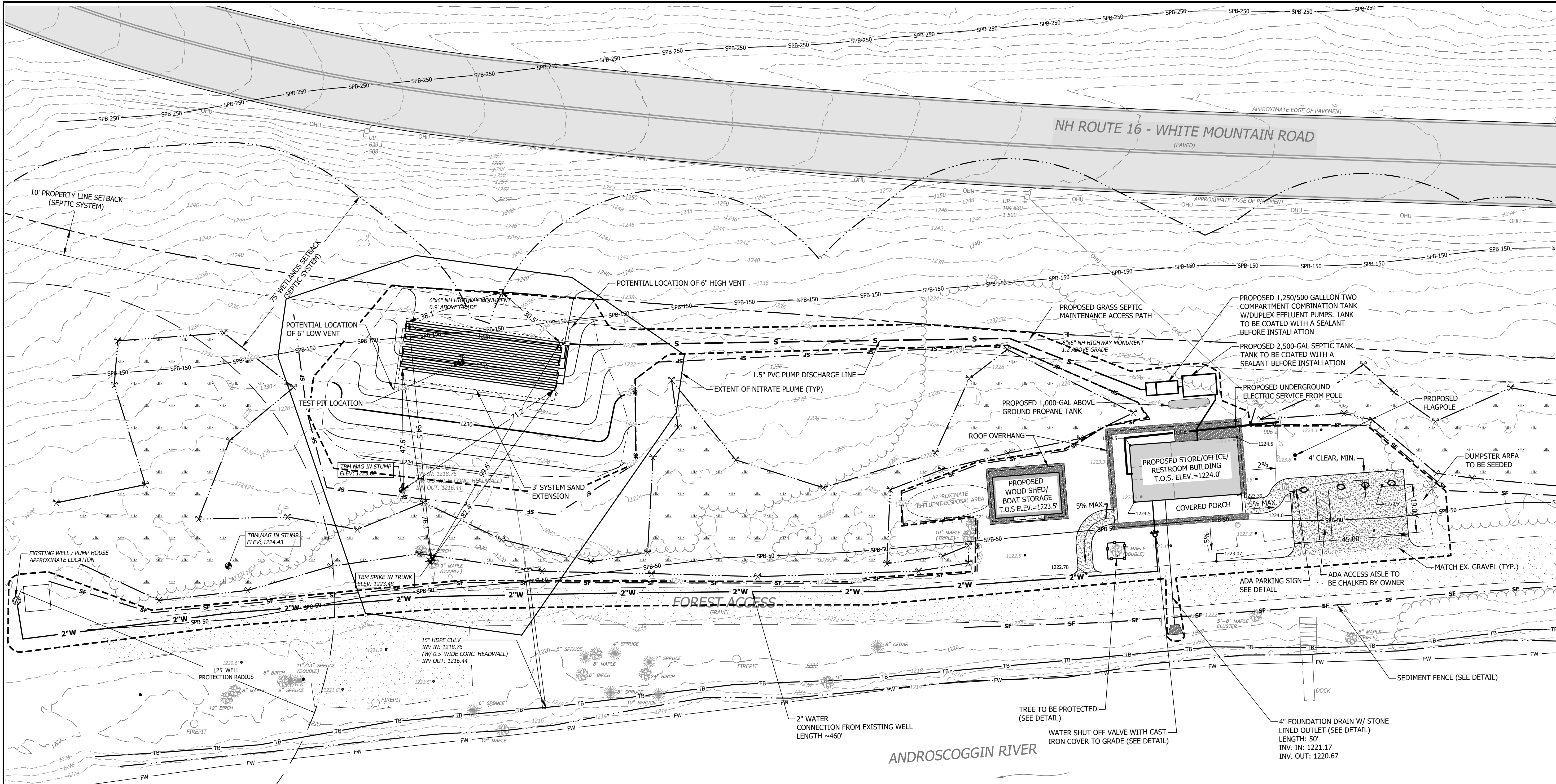
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DEMOLITION PLAN

C1.01

File: 220838 - moll 2024-0508
contract.dwg





GENERAL NOTES

- ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND FINAL TECHNICAL SPECIFICATIONS.
- NO EXISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
- ALL WORK SHALL BE PERFORMED WITHIN THE PROPERTY OF, AND EASEMENTS SECURED BY, THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DATA COLLECTION AND PREPARATION OF RECORD DRAWINGS.
- 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.
- 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 EXCAVATION 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.
- ALL DISTURBED AREAS TO BE SEEDED WITH LAWN SEED MIX IMMEDIATELY UPON ESTABLISHMENT OF FINAL GRADE. SEE SEED MIX SPECIFICATIONS.

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- EDGE OF RIVER
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- SEDIMENT FENCE
- SETBACK
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- FEMA FLOODWAY
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FOR BIDDING
NOT FOR CONSTRUCTION

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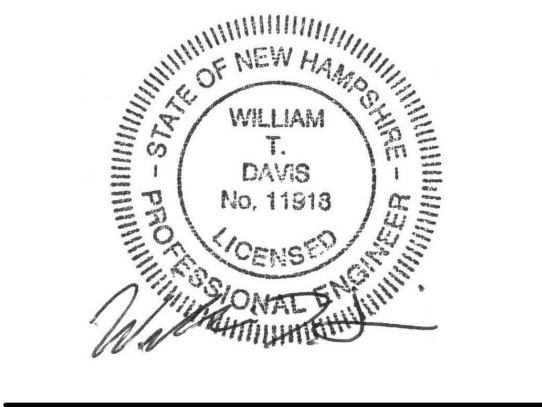
SITE PLAN

Sheet Number:

C2.00

Project Number: 23045001

File: 220838 - moll 2024-0508
contract.dwg



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Issue
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Title
EROSION CONTROL DETAILS
Sheet Number:
C3.00

Project Number: 23045001
File: 220838 - molldigewock\contract.dwg

SEEDING RECOMMENDATIONS

- GRADING AND SHAPING**
A. SLOPES SHALL NOT BE STEEPER THAN 2:1; 3:1 SLOPES OR FLATTER ARE PREFERRED. WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
- SEEDBED PREPARATION**
A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.

B. 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 ABOUT 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 WHEREVER PRACTICAL.
- ESTABLISHING VEGETATION**
A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. KINDS 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.
-NITROGEN (N), 50 LBS., PER ACRE OR 1.1 LBS. PER 1,000 SQ. FT.
-PHOSPHATE (P₂O₅), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ. FT.
-POTASH (K₂O), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ. FT.

(NOTE: THIS IS THE EQUIVALENT OF 500 LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS. PER ACRE OF 5-10-10).

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

C. SEEDING GUIDE:

USE	SEEDING MIXTURE (SEE 3D)	SOIL TYPE			
		DROUGHTY	WELL DRAINED	MOD. WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	FAIR	GOOD	GOOD	FAIR
	B	POOR	GOOD	FAIR	FAIR
	C	FAIR	EXCELLENT	EXCELLENT	POOR
WATERWAYS, EMERGENCY SPILL-WAYS, AND OTHER CHANNELS WITH FLOWING WATER	A	GOOD	GOOD	GOOD	FAIR
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	FAIR	POOR

- D. SEEDING RATES:
SEE SPECIFICATIONS
- E. WHEN SEEDBED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO SEPTEMBER 15. WHEN SEEDBED 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:

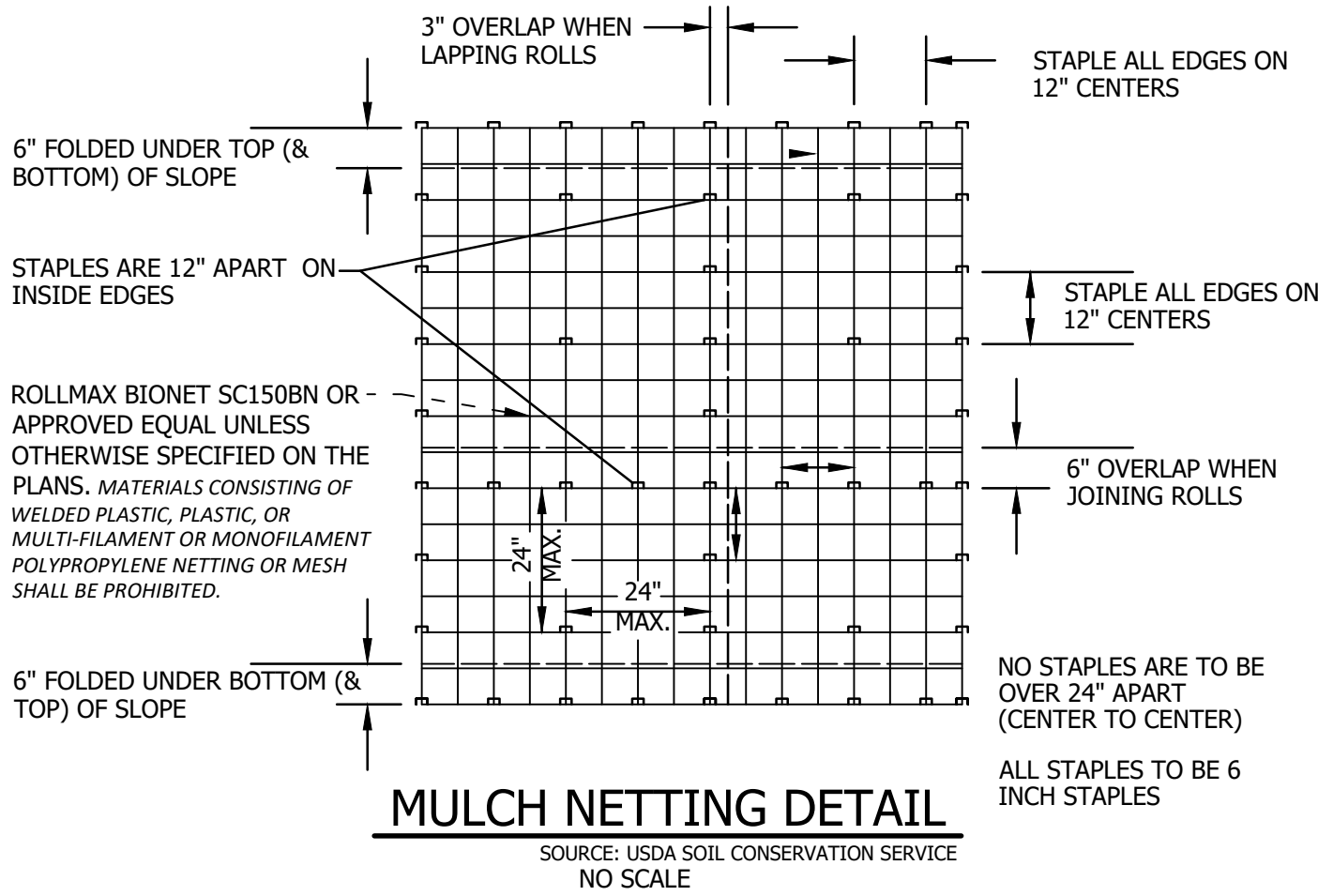
SPECIES	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.	REMARKS
WINTER RYE	112	2.5	BEST FOR FALL SEEDING. SEED FROM AUGUST TO SEPTEMBER 5TH FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.
OATS	80	2.0	BEST FOR SPRING SEEDING. SEED NO LATER THAN MAY 15TH FOR SUMMER PROTECTION. SEED TO A DEPTH OF 1 INCH.
ANNUAL RYEGRASS	40	1.0	GROWS QUICKLY, BUT IS OF SHORT DURATION. USE WHERE APPEARANCES ARE NOT IMPORTANT. SEED EARLY SPRING AND/OR BETWEEN AUGUST 15TH AND SEPTEMBER 15TH. COVER SEED WITH NO MORE THAN .025 INCH OF SOIL.
PERENNIAL RYEGRASS	30	0.7	GOOD COVER WHICH IS LONGER LASTING THAN ANNUAL RYEGRASS. SEED BETWEEN APRIL 1ST AND JUNE 1ST AND/OR BETWEEN AUGUST 15TH AND SEPTEMBER 15TH. MULCHING WILL ALLOW SEEDING THROUGHOUT THE GROWING SEASON. SEED TO A DEPTH OF APPROXIMATELY 0.5 INCH.

- MULCH**
A. HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.

B. 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 WEED GROWTH.

B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ON SITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.

C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.



EROSION CONTROL GENERAL NOTES

- KEEP SITE MODIFICATION TO A MINIMUM**
1. 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.

2. EXPOSE AREAS OF BARE SOIL TO EROSION ELEMENTS FOR THE SHORTEST TIME POSSIBLE.

3. SAVE AND PROTECT DESIRABLE EXISTING VEGETATION WHERE POSSIBLE. ERECT BARRIERS TO PREVENT DAMAGE FROM CONSTRUCTION EQUIPMENT.

4. LIMIT THE GRADES OF SLOPES SO VEGETATION CAN BE EASILY ESTABLISHED AND MAINTAINED.

5. AVOID SUBSTANTIAL INCREASE IN RUNOFF LEAVING THE SITE.
- MINIMIZE POLLUTION OF WATER DURING CONSTRUCTION ACTIVITIES**
1. STOCKPILE TOPSOIL REMOVED FROM CONSTRUCTION AREA AND SPREAD OVER ANY DISTURBED AREAS PRIOR TO REVEGETATION. TOPSOIL STOCKPILES MUST BE PROTECTED FROM EROSION.

2. PROTECT BARE SOIL AREAS EXPOSED BY GRADING ACTIVITIES WITH TEMPORARY VEGETATION OR MULCHES.

3. USE SEDIMENT BASINS TO TRAP DEBRIS AND SEDIMENT WHICH WILL PREVENT THESE MATERIALS FROM MOVING OFF SITE.

4. USE DIVERSIONS TO DIRECT WATER AROUND THE CONSTRUCTION AREA AND AWAY FROM EROSION PRONE AREAS TO POINTS OF SAFE DISPOSAL.

5. USE TEMPORARY CULVERTS OR BRIDGES WHEN CROSSING STREAMS WITH EQUIPMENT.

6. PLACE CONSTRUCTION FACILITIES, MATERIALS, AND EQUIPMENT STORAGE AND MAINTENANCE AREAS AWAY FROM DRAINAGE WAYS.
- PROTECT AREA AFTER CONSTRUCTION.**
1. 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 GRADES SHALL BE SEEDBED WITHIN 72 HOURS. STABILIZATION SHALL BE DEFINED AS 85% VEGETATIVE COVER.

2. MAINTAIN VEGETATED AREAS USING PROPER VEGETATIVE 'BEST MANAGEMENT PRACTICES' DURING THE CONSTRUCTION PERIOD.

3. MAINTAIN NEEDED STRUCTURAL 'BEST MANAGEMENT PRACTICES' AND REMOVE SEDIMENT FROM DETENTION PONDS AND SEDIMENT BASINS AS NEEDED.

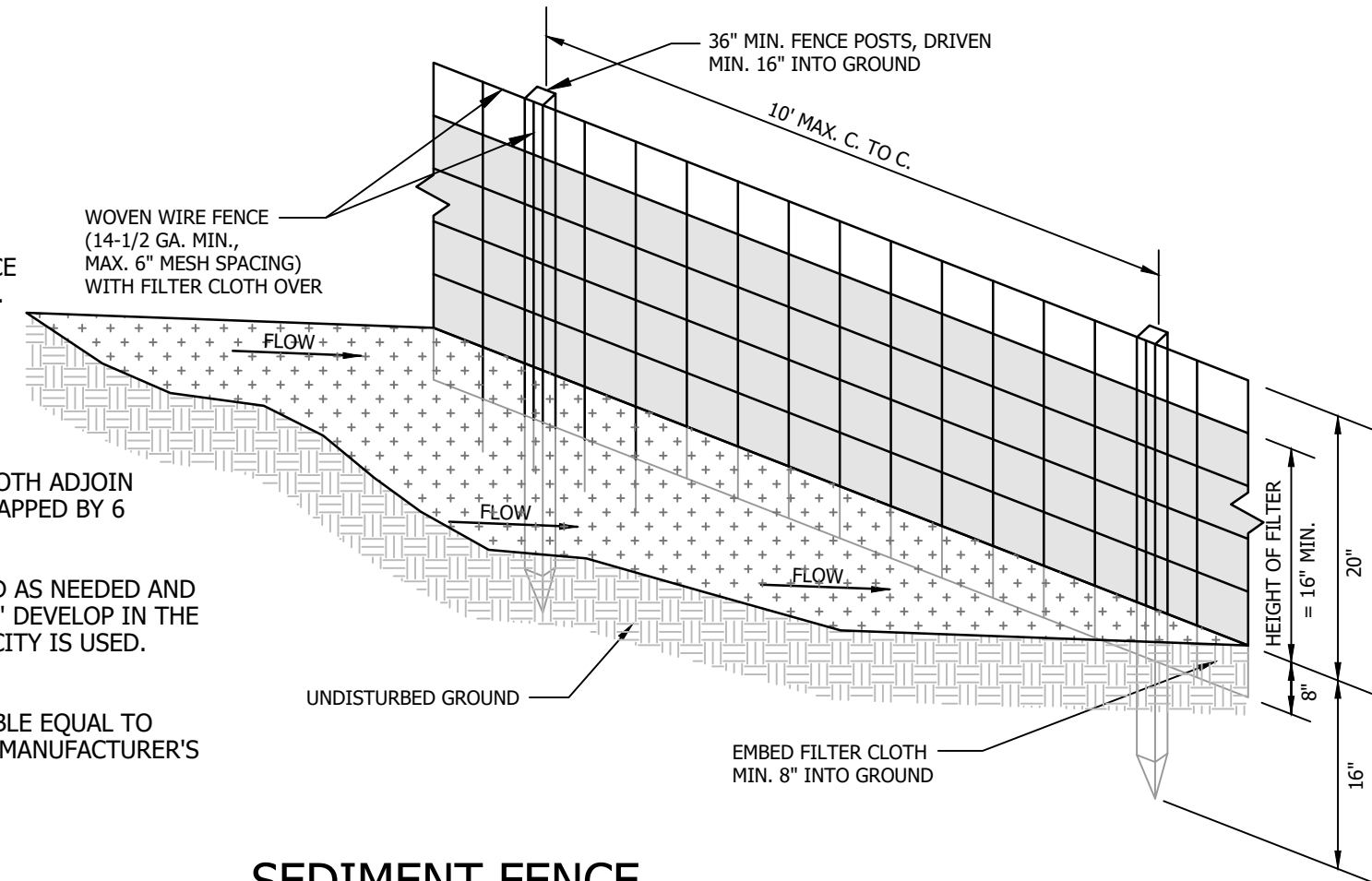
4. DETERMINE RESPONSIBILITY FOR LONG TERM MAINTENANCE OF PERMANENT 'BEST MANAGEMENT PRACTICES'.

5. IF CONSTRUCTION IS ANTICIPATED DURING WINTER MONTHS, REFER TO 'COLD WEATHER SITE STABILIZATION REQUIREMENTS'.
- INVASIVE SPECIES AND FUGITIVE DUST**
1. 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 AGR 3800. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT THE INTRODUCTION OF INVASIVE SPECIES BY INSPECTING AND CLEANING ALL EQUIPMENT ARRIVING ON SITE.

2. FUGITIVE DUST SHALL BE CONTROLLED IN ACCORDANCE WITH ENV-A 1000.

CONSTRUCTION NOTES FOR SEDIMENT FENCE

- WOVEN WIRE FENCE (14-1/2 GA. MIN., MAX. 6" MESH SPACING) WITH FILTER CLOTH OVER
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP, MID SECTION, AND BOTTOM.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SEDIMENT FENCE, OR 50% OF CAPACITY IS USED.
- 12" DIAMETER FILTREXX SILTSOXX SHALL BE CONSIDERED AN ACCEPTABLE EQUAL TO SEDIMENT FENCE IF INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

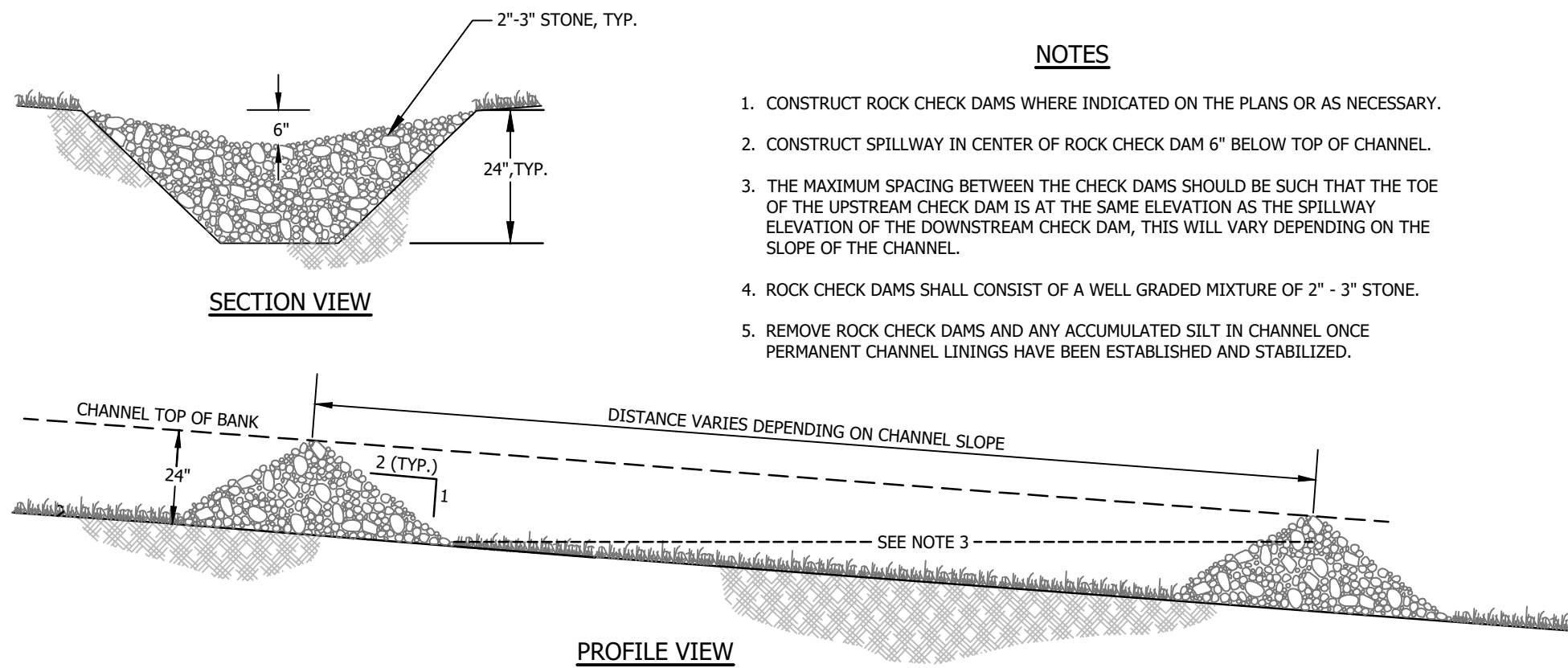


SEDIMENT FENCE

NO SCALE

NOTES

- CONSTRUCT ROCK CHECK DAMS WHERE INDICATED ON THE PLANS OR AS NECESSARY.
- CONSTRUCT SPILLWAY IN CENTER OF ROCK CHECK DAM 6" BELOW TOP OF CHANNEL.
- THE MAXIMUM SPACING BETWEEN THE CHECK DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM 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 MIXTURE OF 2" - 3" STONE.
- REMOVE ROCK CHECK DAMS AND ANY ACCUMULATED SILT IN CHANNEL ONCE PERMANENT CHANNEL LININGS HAVE BEEN ESTABLISHED AND STABILIZED.



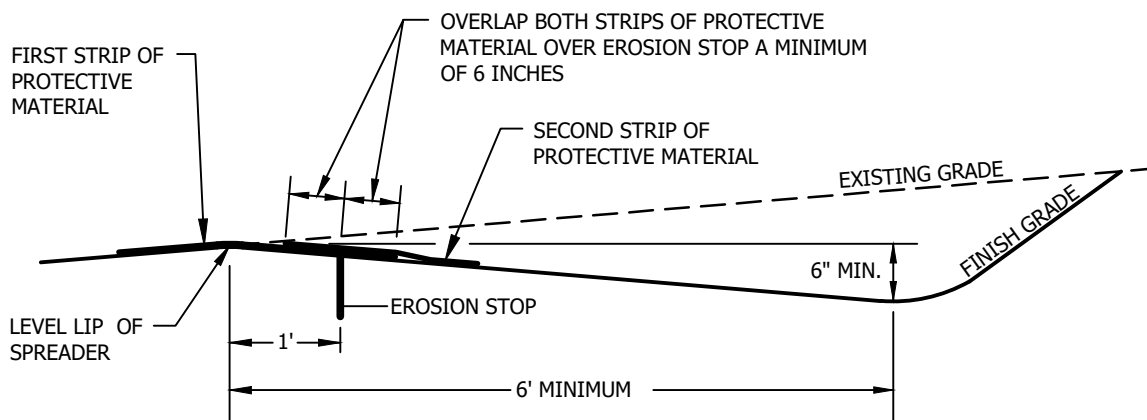
ROCK CHECK DAM DETAIL

NO SCALE

COLD WEATHER SITE STABILIZATION REQUIREMENTS

TO ADEQUATELY PROTECT WATER QUALITY DURING COLD WEATHER AND DURING SPRING RUNOFF, THE FOLLOWING ADDITIONAL STABILIZATION TECHNIQUES SHALL BE EMPLOYED DURING THE PERIOD FROM OCTOBER 15 THROUGH MAY 1:

- THE AREA OF EXPOSED, UNSTABILIZED SOIL SHALL BE LIMITED TO 1 ACRE AND SHALL BE PROTECTED AGAINST EROSION BY THE METHODS DESCRIBED IN THIS SECTION PRIOR TO ANY THAW OR SPRING MELT EVENT. THE ALLOWABLE AREA OF EXPOSED SOIL MAY BE INCREASED IF A WINTER CONSTRUCTION PLAN, DEVELOPED BY A QUALIFIED ENGINEER OR A CPESC SPECIALIST, IS REVIEWED AND APPROVED BY NHDES.
- ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF LESS THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE SEEDBED AND COVERED WITH 3 TO 4 TONS OF HAY OR STRAW MULCH PER ACRE, SECURED WITH ANCHORED NETTING OR TACKIFIER, OR 2 INCHES OF EROSION CONTROL MIX MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H).
- ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF GREATER THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE SEEDBED AND COVERED WITH PROPERLY INSTALLED AND ANCHORED EROSION CONTROL MATTING OR WITH A MINIMUM 4 INCH THICKNESS OF EROSION CONTROL MIX MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H).
- INSTALLATION OF ANCHORED HAY MULCH OR EROSION CONTROL MIX, MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H), SHALL NOT OCCUR OVER SNOW OF GREATER THAN 1 INCH IN DEPTH.
- INSTALLATION OF EROSION CONTROL MATTING SHALL NOT OCCUR OVER SNOW OF GREATER THAN ONE INCH IN DEPTH OR ON FROZEN GROUND.
- ALL PROPOSED STABILIZATION IN ACCORDANCE WITH NOTES 2 OR 3 ABOVE, SHALL BE COMPLETED WITHIN 1 DAY OF ESTABLISHING THE GRADE THAT IS FINAL OR THAT OTHERWISE WILL EXIST FOR MORE THAN 5 DAYS.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING CONSULTANT.
- AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM 3 INCH LAYER OF BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS OF NHDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2016, ITEM NO. 304.1 OR 304.2.



LEVEL SPREADER DETAIL

NO SCALE

SOURCE: ROCKINGHAM COUNTY CONSERVATION SERVICE

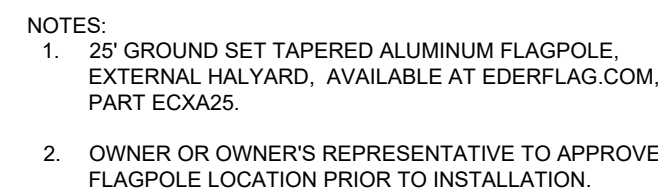
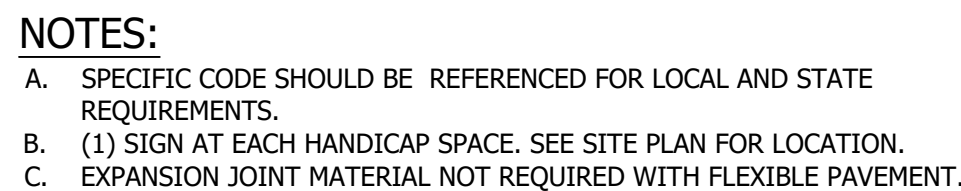
LEVEL LIP SPREADER INSTALLATION

- 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 LIP AREA SHALL BE PROTECTED BY PLACING TWO STRIPS OF JUTE OR EXCELSIOR 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 C125 EROSION CONTROL BLANKET OR APPROVED EQUAL.

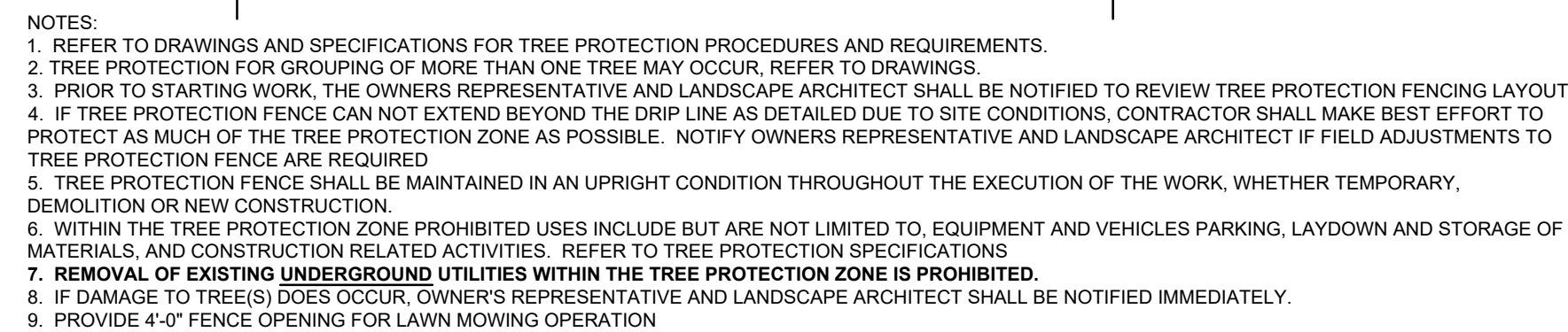
CONSTRUCTION SEQUENCE

- 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.
- BEGIN SEEDING AND MULCHING IMMEDIATELY AFTER GRADING. ALL DISTURBED AREAS SHALL BE STABILIZED WITH APPROVED METHODS WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

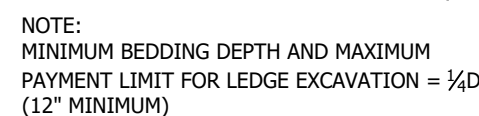
AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
B) A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
C) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
D) EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- INSPECT ALL EROSION CONTROL MEASURES ON A DAILY BASIS AND AFTER EVERY 0.5 INCHES OF PRECIPITATION. MAINTAIN SEDIMENT FENCE, SEDIMENT TRAPS, HAY BALES, ETC., AS NECESSARY.
- 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.


$$1'' = 1.0'$$


NOT TO SCALE



FOR BIDDING
NOT FOR CONSTRUCTION



NOT TO SCALE

1. ORDERED EXCAVATION OF UNSUITABLE MATERIAL BELOW GRADE SHALL BE REPLACED WITH BEDDING MATERIAL. SEE NOTE 4.
2. BEDDING: SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM ORGANIC MATERIAL, CLAY, AND/OR LOAM MEETING ASTM C33 STONE SIZE NO. 67.

100% PASSING	1 INCH SCREEN
90-100% PASSING	¾ INCH SCREEN
20-55% PASSING	½ INCH SCREEN
0-10% PASSING	#4 SIEVE
0-5% PASSING	#8 SIEVE
3. SAND BLANKET: CLEAN SAND FREE FROM ORGANIC MATERIAL, SO GRADED THAT 100% PASSES A ½ INCH SIEVE AND NOT MORE THAN 15% PASSES A #200 SIEVE.
4. SUITABLE MATERIAL: IN ROADS, ROAD SHOULDERS, WALKWAYS, AND TRAVELED WAYS, SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED FROM THE TRENCH DURING THE COURSE OF CONSTRUCTION, AFTER EXCLUDING DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP SOIL, WET OR SOFT MUCK, PEAT OR CLAY, EXCAVATED LEDGE MATERIAL, AND ALL ROCKS OVER SIX INCHES IN LARGEST DIMENSION, OR ANY MATERIAL NOT APPROVED BY THE ENGINEER.

TRENCH BACKFILL IN CROSS-COUNTRY LOCATIONS SHALL BE SUITABLE MATERIAL AS DESCRIBED ABOVE, EXCEPT THAT TOP SOIL, LOAM, MUCK, OR PEAT MAY BE USED PROVIDED THAT THE COMPLETED CONSTRUCTION WILL BE STABLE AND ACCESS TO THE PIPE FOR MAINTENANCE AND RECONSTRUCTION IS PRESERVED. BACKFILL SHALL BE MOUND TO A HEIGHT OF SIX INCHES ABOVE THE ORIGINAL GROUND SURFACE
5. BASE COURSE FOR TRENCH REPAIR SHALL MEET THE REQUIREMENTS OF SECTION 300 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.
6. SHEETING: ALL TRENCH SUPPORTS SHALL CONFORM TO OSHA STANDARDS. CONTRACTOR IS RESPONSIBLE FOR OSHA COMPLIANCE AND WORKER SAFETY THROUGHOUT CONSTRUCTION.
7. TRENCH DIMENSIONS: W = MAXIMUM ALLOWABLE TRENCH WIDTH MEASURED 12 INCHES ABOVE THE PIPE. FOR PIPES 15 INCHES NOMINAL DIAMETER (D) OR LESS, W SHALL BE NO MORE THAN 36 INCHES; FOR PIPES GREATER THAN 15 INCHES NOMINAL DIAMETER, W SHALL BE 24 INCHES PLUS THE PIPE OUTSIDE DIAMETER. W SHALL ALSO BE THE PAYMENT WIDTH FOR LEDGE EXCAVATION AND FOR ORDERED EXCAVATION BELOW GRADE. THE MAXIMUM ALLOWABLE TRENCH PAVEMENT PAYMENT WIDTH SHALL BE 8 FEET CENTERED OVER PIPE.
8. WATER/SEWER SEPARATION: WATER MAINS SHALL BE SEPARATED FROM SANITARY SEWER BY A MINIMUM OF 10 FEET HORIZONTALLY AND A MINIMUM OF 18 INCHES VERTICALLY, WITH THE WATER MAIN ABOVE THE SEWER.
9. PIPE COVER:

COVER OVER WATER SHALL BE 6 FEET MINIMUM IN ALL LOCATIONS.

A circular professional engineer seal for the State of New Hampshire. The outer ring contains the text "STATE OF NEW HAMPSHIRE" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by dashes. The inner circle contains the name "WILLIAM T. DAVIS" and the license number "No. 11913". Below the seal is a handwritten signature.

NH STATE PARKS

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

Issue

CONTRACT SET

Scale: N/A

Date: May 8, 2024

Drawn By: DW

Checked By: RH

Issues:

No.	Description	Date
1	Name	00/00/00

Title

CIVIL DETAILS

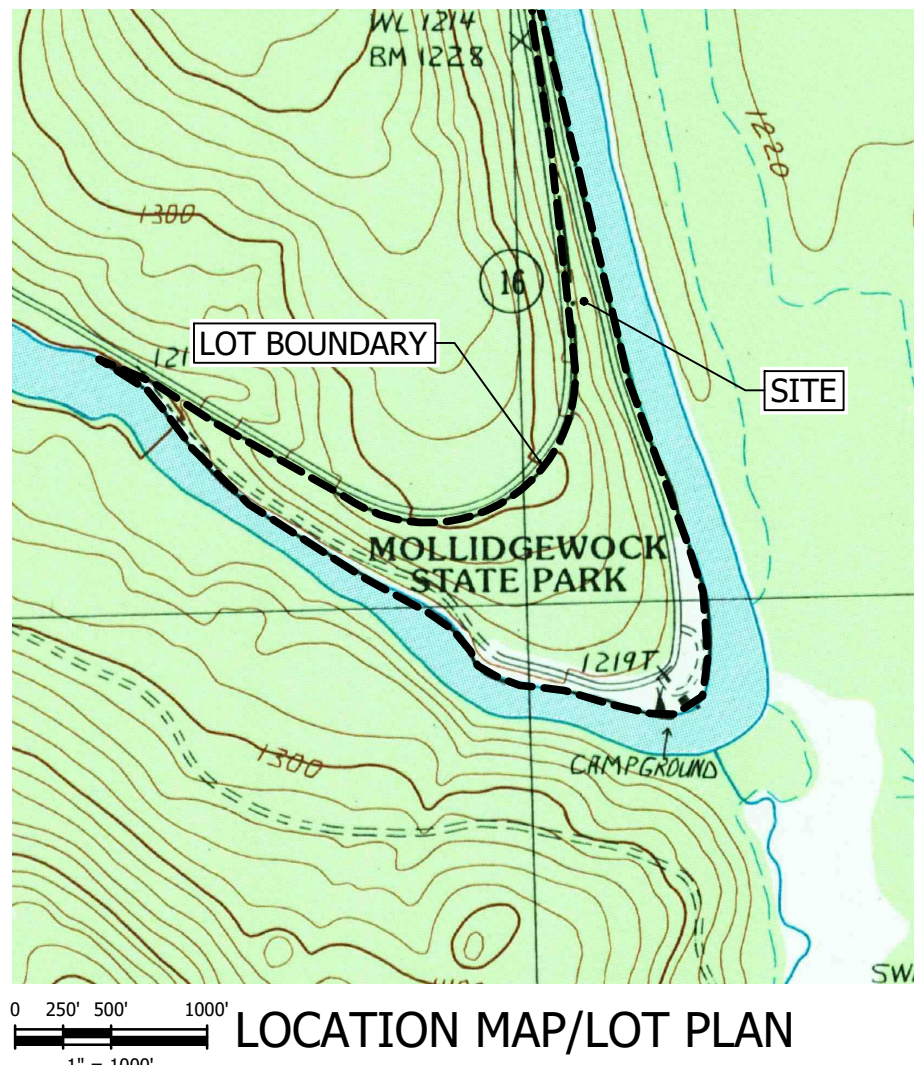
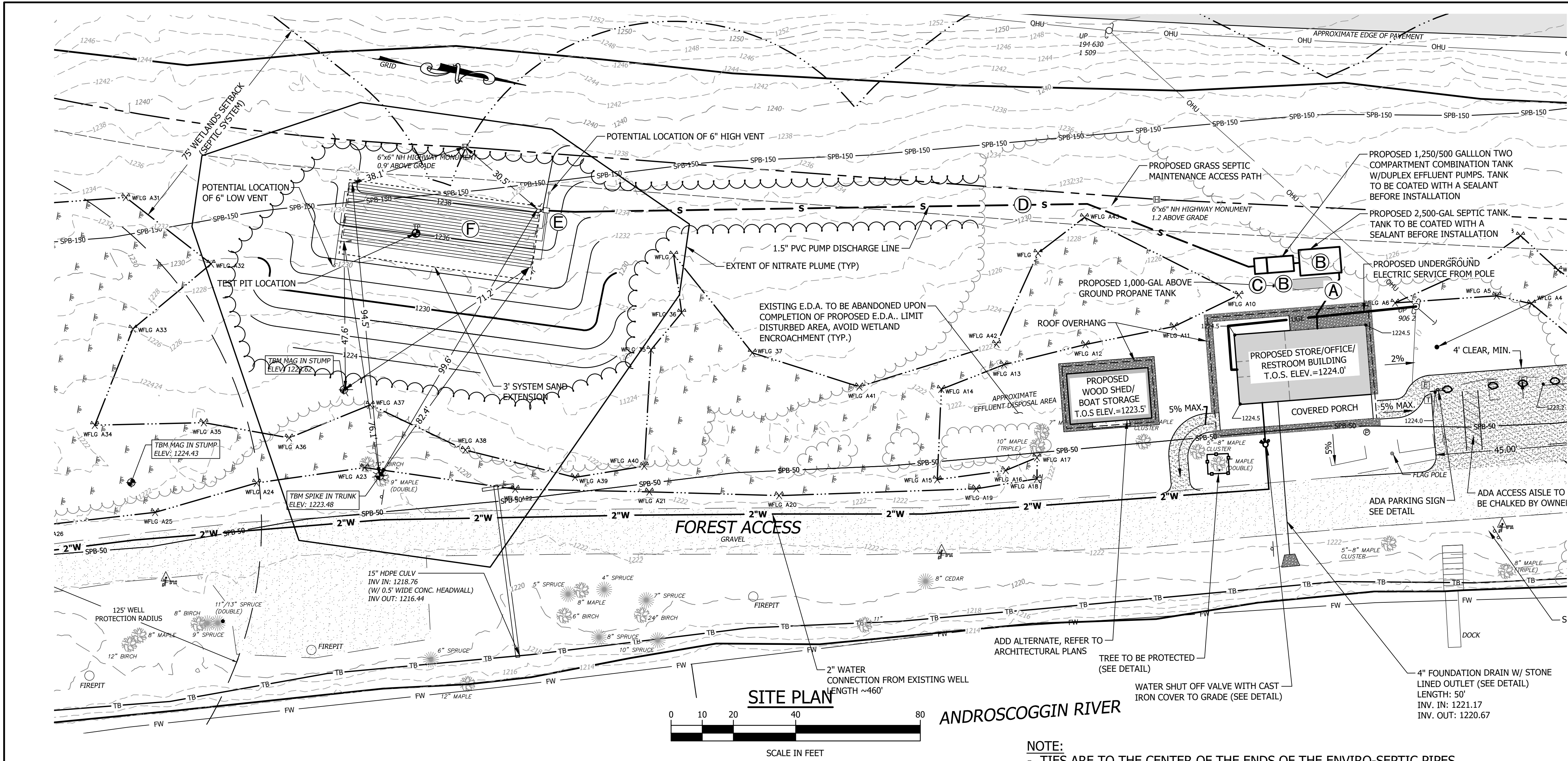
Sheet Number:

C3.01

Project Number: 23045001

File: 220838 - moll 2024-0508
contract.dwg

Z:\proj_2021\220838 SE Group - Campgrounds Ph II\Internal\Civil\Bases\MOLLIDGEWOCK\220838 - MOLL 2024-0508 CONTRACT.dwg, C4.1, 5/7/2024 9:14:45 AM, DavidWheeler



WAIVER REQUEST
WAIVER REQUESTED FOR RELIEF FROM ENV. WQ. 1008 - REQUIRED 75' SEPARATION FROM VERY POORLY DRAINED JURISDICTIONAL WETLANDS.

BENCHMARKS USED FOR TIE POINTS
TO BE LEFT IN PLACE AND VISIBLE UNTIL THE NHDES INSPECTION HAS BEEN COMPLETED AND APPROVED. NO OPEN WATER, WELLS OR ABUTTING FOUNDATIONS WITHIN 75' OF THE PROPOSED EFFLUENT DISPOSAL AREA.

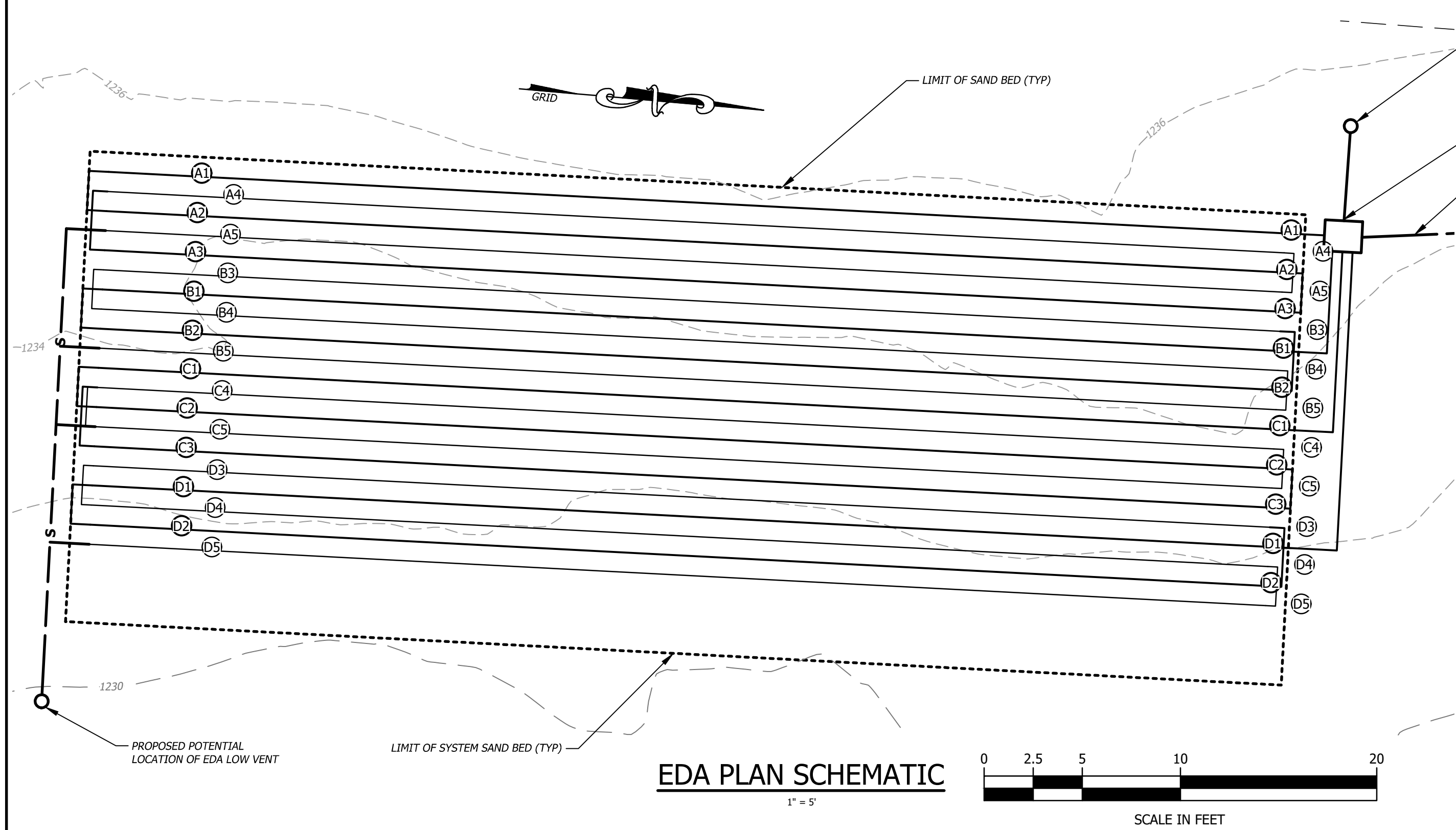
VENT REQUIREMENTS AND PLACEMENT
WHERE SHOWN, LOW AND HIGH VENTS ARE REQUIRED TO ENSURE THAT AIR IS DRAWN COMPLETELY THROUGH THE ENTIRE SYSTEM. NO ADDITIONAL VENTS MAY BE LOCATED BETWEEN THE HIGH VENT AND LOW VENT. HIGH VENTS MUST PROVIDE AT LEAST THE SAME FLOW CAPACITY AS LOW VENTS; CONNECTIONS WITHIN THE SYSTEM MUST ALSO HAVE SIMILAR CAPACITIES. THE OPENING OF THE HIGH VENT MUST BE AT LEAST 10 FEET ABOVE THE OPENING OF THE LOW VENT.

LOW VENTS ARE INSTALLED THROUGH AN OFFSET ADAPTER AT THE END OF EACH SERIAL SYSTEM OR BED.
VENT LOCATIONS SHOWN ARE APPROXIMATE AND CAN BE RELOCATED SO LONG AS THEY ARE LAID LEVEL OR PITCHED BACK TO THE EDA. VENTS SHOULD BE PLACED IN LOCATIONS WHERE AESTHETIC IMPACT IS MINIMAL. AS NECESSARY, ADD SHRUBS OR OTHER VEGETATION TO SCREEN VENTS. "CANDY CANE" STYLE VENT COVERS ARE NOT PREFERRED; USE "MUSHROOM" STYLE VENT COVERS OR VENT COVERS THAT CAMOUFLAGED THE EDA VENT.

TO ENSURE PROPER VENTILATION OF THE SYSTEM, NO EFFLUENT FILTER SHALL BE INSTALLED IN THE SYSTEM. PRIOR TO BACKFILLING THE SYSTEM, CONTRACTOR SHALL PERFORM A SMOKE TEST AT THE D-BOX AND LOW VENT TO ENSURE THAT AIR CAN CIRCULATE THROUGH THE EDA, SEPTIC TANK AND HOUSE VENT. IF NO CLEAR SIGNS OF AIR FLOW ARE OBSERVED, CONTRACTOR SHALL CONTACT DESIGNER OR SYSTEM MANUFACTURER BEFORE BACKFILLING SYSTEM.

EXISTING GRADE REMOVE ALL ORGANICS AND THE "A" HORIZON (SEE TEST PIT LOG) BEFORE PLACING SYSTEM SAND OR SAND FILL

FOR BIDDING
NOT FOR CONSTRUCTION

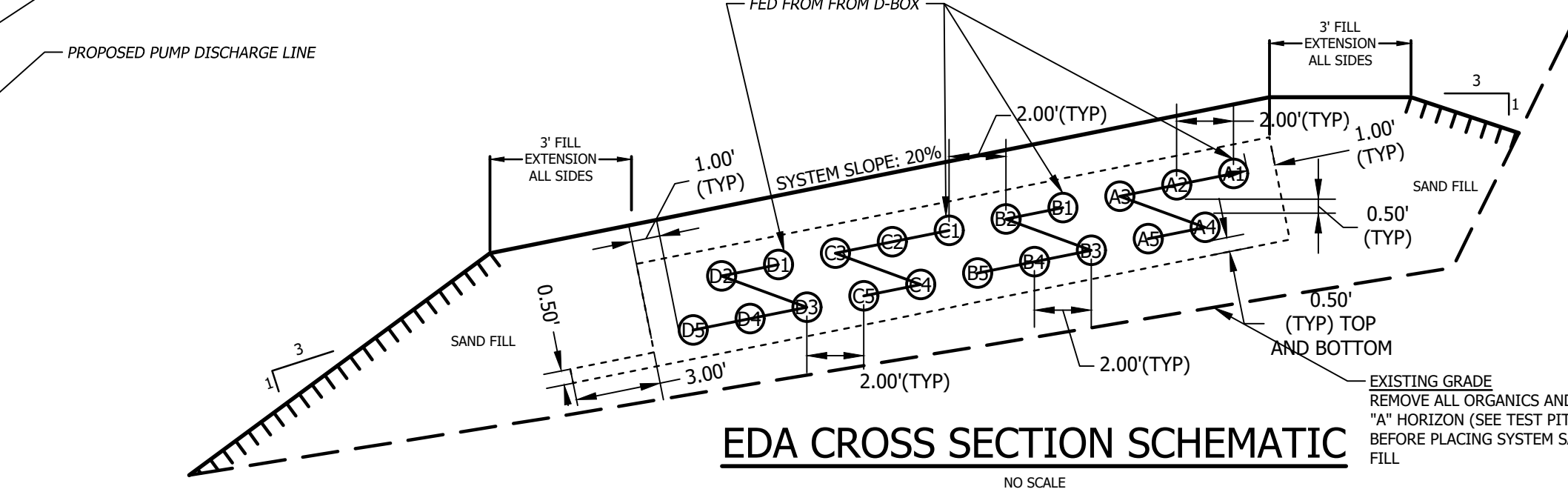


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HORIZONS
Engineering
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DATE OF PRINT
MAY 07 2024
HORIZONS ENGINEERING

TREE NOTE:
ALL TREES WITHIN 10 FEET OF PROPOSED EDA TO BE REMOVED AND DISPOSED OF OFF-SITE BY THE INSTALLER/CONTRACTOR.

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



ORIGINAL GROUND ELEVATION AT THE HIGH CONTOUR: 1,236
BOTTOM OF ENVIRO-SEPTIC PIPE ELEVATION: 1,236.8 (@ A4)

DESIGN INTENT: THE INVERT OF THE LOWER LEVEL OF ENVIRO-SEPTIC PIPE IS APPROXIMATELY 0.8 FEET (ABOVE) EXISTING GRADE AT THE HIGH CONTOUR OF THE DESIGNED EFFLUENT DISPOSAL AREA.

Schedule of Elevations											
Groundwater Elevation	1234.3										
Depth to Groundwater, (in)	20.0										
Existing grade at EDA high contour	1236.0	A1	A2	A3	B1	B2	C1	C2	C3	D1	D2
Proposed Surface Grade	1240.7	1240.3	1239.9	1239.5	1239.1	1238.7	1238.3	1237.9	1237.5	1237.1	
Top of sand	1240.2	1239.8	1239.4	1239.0	1238.6	1238.2	1237.8	1237.4	1237.0	1236.6	
Top of pipe	1239.7	1239.3	1238.9	1238.5	1238.1	1237.7	1237.3	1236.9	1236.5	1236.1	
Bottom of pipe	1238.7	1238.3	1237.9	1237.5	1237.1	1236.7	1236.3	1235.9	1235.5	1235.1	
Offset Adaptor	1239.3	1238.9	1238.5	1238.1	1237.7	1237.3	1236.9	1236.5	1236.1	1235.7	
D-Box outlet	1239.5										
D-Box inlet	1239.6										
Schedule of elevations, Level 2, (blue)											
Top of pipe	1237.8	1237.4	1237.0	1236.6	1236.2	1235.8	1235.4	1235.0	1234.6	1234.2	
Bottom of pipe	1236.8	1236.4	1236.0	1235.6	1235.2	1234.8	1234.4	1234.0	1233.6	1233.2	
Bottom of sand	1236.3	1235.9	1235.5	1235.1	1234.7	1234.3	1233.9	1233.5	1233.1	1232.7	
Offset Adaptor	1237.4	1237.0	1236.6	1236.2	1235.8	1235.4	1235.0	1234.6	1234.2	1233.8	

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

NEW HAMPSHIRE
DPMT OF NATURAL & CULTURAL RESOURCES
172 PEMBROKE ROAD
CONCORD, NH 03301

PREVIOUS APPROVAL #: NONE

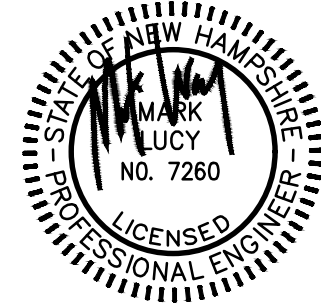
MOLLIDGEWOCK STATE PARK
ERROL, NEW HAMPSHIRE
TAX MAP: R-6, PARCEL: 14

COUNTY: COOS
SUBDIVISION NAME: n/a
SUBDIVISION APPROVAL: EXCEPT >SAC

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NEW HAMPSHIRE
Designer of
Subsurface Disposal
Systems

Nicholas P. Oberti
No. 1909
Department of Environmental Services



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

Issue

CONTRACT SET

Scale: N/A

Date: May 8, 2024

Drawn By: NO

Checked By: ML

Issues:

No.	Description	Date
1	REVISED PER NHDES	05/03/24

Title

INDIVIDUAL SEWAGE
DISPOSAL SYSTEM
PLAN & DETAILS

Sheet Number:

C4.01

Project Number: 23045001

File: 220838 - moll 2024-0508
contract.dwg

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 PROPTLY CONTACT THE ARCHITECT IF CLARIFICATIONS OR INTERPRETATION OF THESE OR ANY ABBREVIATIONS USED IN THE CONSTRUCTION DOCUMENTS IS REQUIRED.

A -----
A/C AIR CONDITION
A/C UNIT AIR CONDITIONING UNIT
A/E ARCHITECT/ENGINEER
AB ANCHOR BOLT
ABV ABOVE
ACC ACCESSIBLE
ACS DR ACCESS DOOR
ACS PNL ACCESS PANEL
ACT ACOUSTICAL CEILING TILE
ADA AMERICANS WITH DISABILITIES ACT
ADMIN ADMINISTRATION
AFC ABOVE FINISHED COUNTER
AFF ABOVE FINISHED FLOOR
AFG ABOVE FINISHED GRADE
AFS ABOVE FINISHED SLAB
AGGR AGGREGATE
AHU AIR HANDLING UNIT
AIB AIR INFILTRATION BARRIER
ALT ALTERNATE
ALUM ALUMINUM
ANOD ANODIZE
ADD AUTOMATIC DOOR OPERATOR
AJ ACOUSTICAL PANEL CEILING
APPROX APPROXIMATE
AR AS REQUIRED
ARCH ARCHITECT
ASC ABOVE SUSPENDED CEILING
ASSY ASSEMBLY
AVG AVERAGE
AW ARCHITECTURAL WOODWORK
AWP ACOUSTICAL WALL PANEL

B -----
BALC BALCONY
BB BASEBOARD
BC BOOKCASE
BCS BABY CHANGING STATION
BD BOARD
BDRY BOUNDARY
BFF BELOW FINISH FLOOR
BHMA BUILDERS HARDWARE
BMA MANUFACTURERS ASSOCIATION
BIT BITUMINOUS
BLDG BUILDING
BLKG BLOCKING
BLT IN BUILT-IN
BN BULLNOSE
BO BOTTOM OF
BOS BOTTOM OF STEEL
BOT BOTTOM
BP BUILDING PAPER
BRKT BRACKET
BSMT BASEMENT
BTWN BETWEEN
BUR BUILT-UP ROOFING

C -----
C CONC CAST CONCRETE
CAB CABINET
CATW CATWALK
CAV CAVITY
CBB CEMENTITIOUS (BACKER) BOARD
CD CONSTRUCTION DOCUMENTS
CM CONSTRUCTION MANAGER
CER CERAMIC
CF CONTRACTOR FURNISHED
CF/CI CONTRACTOR FURNISHED/
CONTRACTOR INSTALLED
CFE CONTRACTOR FURNISHED EQUIPMENT
CFLG COUNTERFLASHING
CFM CUBIC FEET PER MINUTE
CFMF COLD-FORMED METAL FRAMING
CF5 CUBIC FEET PER SECOND
CG CORNER GUARD
CH COAT HOOK
CI CAST IRON
CIP CAST-IN-PLACE
CJ CONTROL JOINT
CL CENTER LINE
CLG CEILING
CLG DIFF CEILING DIFFUSER
CLG HT CEILING HEIGHT
CLL COLUMN LINE
CLR CLEAR
CLO CLOSET
CLR COLOR
CLRM CLASSROOM
CMU CONCRETE MASONRY UNIT
CND5 CONDENSATE
CDR CARD READER
CO CLEANOUT
COL COLUMN
COMM COMMUNICATION
CONC CONCRETE
CONC FLR CONCRETE FLOOR
CONF CONFERENCE
CONT CONTINUE
COORD COORDINATE
CORR CORRIDOR
CP CONCRETE PIPE
CPT CARPET
CR CONTROL ROOM
CS CAST STONE
CSWK CASEWORK
CT CERAMIC TILE
CTB CERAMIC TILE BASE
CTF CERAMIC TILE FLOOR
CTR CENTER
CU FT CUBIC FEET
CW CASEMENT WINDOW

D -----
D DEPTH
DBL DOUBLE
DEMO DEMOLITION
DEPT DEPARTMENT
DET DETAIL
DIA DIAMETER
DIM DIMENSION
DIR DIRECTION
DIST DISTANCE
DIV DIVISION
DN DOWN
DOC DOCUMENT
DR DOOR
DS DOWNSPOUT
DW DISHWASHER
DWG DRAWING
DF DRINKING FOUNTAIN

E -----
EA EACH
EF EACH FACE
EIFS EXTERIOR INSULATION & FINISH SYSTEM
EJ EXPANSIONAL JOINT
ES EACH SIDE
EL ELEVATION
ELEV ELEVATOR
ENR ENTRANCE
EPS EXPANDED POLYSTYRENE BOARD
EQ EQUAL
EQUIP EQUIPMENT
EST ESTIMATED
EXP EXPOSED
EXT EXTERIOR
EXT EXTINGUISHER
EXT GR EXTERIOR GRADE

F -----
FA FIRE ALARM
FAAP FIRE ALARM ANNUNCIATOR PANEL
FAS BD FASCIA BOARD
FCO FLOOR CLEANOUT
FD FLOOR DRAIN
FDTN FOUNDATION
FE FIRE EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FF FINISH FACE
FF EL FINISH FLOOR ELEVATION
FGL FIBERGLASS
FHP FULL HEIGHT PARTITION
FIN FINISH
FIN BS FINISH BOTH SIDES
FIN FLR FINISH FLOOR
FIN GR FINISH GRADE
FIXT FIXTURE
FLDG FOLDING
FLEX FLEXIBLE
FLG FLOORING
FLMT FLUSH MOUNT
FLR FLOOR
FM FACTORY MUTUAL
FOC FACE OF CONCRETE
FOM FACE OF MASONRY
FRG FIBER REINFORCED GYPSUM
FRMG FRAMING
FRP FIBERGLASS REINFORCED PLASTIC
FRTW FIRE RETARDANT TREATED WOOD
FSTNR FASTENER
FT FEET
FTG FOOTING
FWC FABRIC WALLCOVERING

G -----
GA GAUGE
GALV GALVANIZED
GB GRAB BAR
GC GENERAL CONTRACTOR
GL GLAZING
GR FL GROUND FLOOR
GUT GUTTER
GWB GYPSUM WALL BOARD
GYP PLAS GYPSUM PLASTER
GYP SHTG GYPSUM SHEATHING

H -----
HB HOSE BIBB
HC HANDICAPPED
HD HAND DRYER
HDPE HIGH DENSITY POLYETHYLENE
HDW HARDWARE
HDWD HARDWOOD
HM HOLLOW METAL
HMD HOLLOW METAL DOOR
HORIZ HORIZONTAL
HT HEIGHT
HVAC HEATING, VENTILATION AND
AIR CONDITIONING
HYDR HYDRAULIC

I -----
IBC INTERNATIONAL BUILDING CODE
ID INSIDE DIAMETER
INCL INCLUDE (ING)
INSUL INSULATION
INT INTERIOR
ILO IN LIEU OF
INV INVERT

J -----
JAN JANITOR

K -----
KIT KITCHEN
KO KNOCK OUT
KPD KEYPAD
KPL KICKPLATE

L -----
LAM LAMINATE
LAV LAVATORY
LBS POUND
LDG LANDING
LF LINEAR FEET (FOOT)
LH LEFT HAND
LIN LINEAR
LKR LOCKER
LOC LOCATION
LT LIGHT
LVDR LOUVER DOOR
LVR LOUVER

M -----
MACH RM MACHINE ROOM
MANUF MANUFACTURER
MATL MATERIAL
MAX MAXIMUM
MECH MECHANICAL
MECH RM MECHANICAL ROOM
MEMB MEMBRANE
MFR MILL FINISH
MFR MANUFACTURER
MHL MOP HOLDER
MID MIDDLE
MIN MINIMUM, MINUTE
MIRR MIRROR
MISC MISCELLANEOUS
MLDG MOLDING (MOULDING)
MO MASONRY OPENING
MOD MODIFY
MR MOISTURE RESISTANT
MTG MOUNTING
MTL METAL
MVLB MOVABLE
MWP MEMBRANE WATERPROOFING

N -----
N NORTH
NA NOT APPLICABLE
NFPA NATIONAL FIRE PROTECTION
ASSOCIATION
NIC NOT IN CONTRACT
NO NUMBER
NOM NOMINAL
NP NO PAINT
NRC NOISE REDUCTION COEFFICIENT
NTS NOT TO SCALE

O -----
OC ON CENTER
OD OUTSIDE DIAMETER
OFCI OWNER FURNISHED/
CONTRACTOR INSTALLED
OFOI OWNER FURNISHED/OWNER INSTALLED
OPD OVERFLOW DRAIN
OFF OFFICE
OGL OBSCURE GLASS
OIO OUTSIDE TO OUTSIDE
OPH OPPOSITE HAND
OPNG OPENING
OPP OPPOSITE
OPQ OPAQUE
OWSJ OPEN WEB STEEL JOIST
OPR OPERABLE
ORD OVERFLOW ROOF DRAIN
ORIG ORIGINAL

P -----
PA PUBLIC ADDRESS
PAR PARAPET
PAT PATTERN
PB PULL BOX
PBD PARTICLEBOARD
PCC PRECAST CONCRETE
PCF POUNDS PER CUBIC FOOT
PFC PAPER TOWEL DISPENSER
PERF PERFORATED
PERIM PERIMETER
PH PHASE
PIL PILASTER
PL PROPERTY LINE
PLAM PLASTIC LAMINATE
PLAS PLASTER
PLBG PLUMBING
PLG PILING
PLYWD PLYWOOD
PNL PANEL
PP PL PUSH/PULL PLATE
PR PAIR
PRCST PRECAST
PRKG PARKING
PS CONC PRESTRESSED CONCRETE
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PT PRESSURE TREATED
PTD PAINTED
PTN PARTITION
PVC POLY VINYL CHLORIDE
PWR POWER

Q -----
QT QUARRY TILE
QTY QUANTITY

R -----
R RADIUS
RB RESILIENT BASE
RBR RUBBER
RC REINFORCED CONCRETE
RCP REFLECTED CEILING PLAN
RD ROOF DRAIN
RDG INS RIGID INSULATION, SOLID
REC RECESSED
REF REFERENCE
REM REMOVABLE
REP REPAIR
REPL REPLACE
REQ REQUIRE
REQD REQUIRED
RESIL RESILIENT
REST RESTROOM
RF RESILIENT FLOORING
RFG ROOFING
RH RIGHT HAND
RHR RIGHT HAND REVERSE
RL ROOF LEADER
RLG RAILING
RM ROOM
RO ROUGH OPENING
RSD ROLLING STEEL DOOR
RV ROOF VENT
RVL REVEAL

S -----
SB SPLASH BLOCK
SCHED SCHEDULE
SD SMOKE DETECTOR
SF SQUARE FOOT (FEET)
SFTWD SOFTWOOD
SGL SINGLE
SHT MTL FLASH SHEET METAL (FLASHING)
SHTHG SHEATHING
SHV SHELVEING
SIM SIMILAR
SJ SCORED JOINT
SKLT SKYLIGHT
SLT SEALANT
SMK SMOKE
SMLS SEAMLESS
SND SANITARY NAPKIN DISPENSER
SPD SOAP DISPENSER
SP EL SPOT ELEVATION
SPF SPRAY POLYURITHANE FOAM
SPEC SPECIFICATION
SQ SQUARE
SQ IN SQUARE INCH
SQ YD SQUARE YARD
SS SOLID SURFACE
SST STAINLESS STEEL
ST STAIRS
STD STANDARD
STL JST STEEL JOIST
STL RF DK STEEL ROOF DECK
STOR STORAGE
STR STRINGERS
STRUCT STRUCTURAL
STRB/HRN STROBE/HORN
SUB FL SUBFLOOR
SUSP SUSPENDED
SV SHEET VINYL
SW SIDEWALK

T -----
T TREAD
T4B TOP AND BOTTOM
TBD TO BE DETERMINED
TD TRENCH DRAIN
TEL TELEPHONE
TEMP TEMPORARY
PCC PRECAST CONCRETE
PCF POUNDS PER CUBIC FOOT
PFC PAPER TOWEL DISPENSER
PERF PERFORATED
PERIM PERIMETER
PH PHASE
TO TOP OF
TOF TOP OF FOOTING
TOM TOP OF MASONRY
TOP TOP OF PARAPET
TOPO TOPOGRAPHY
TOS TOP OF SLAB
TP TOILET PAPER DISPENSER
TRANS TRANSPARENT
TRTD TREATED
TV TELEVISION

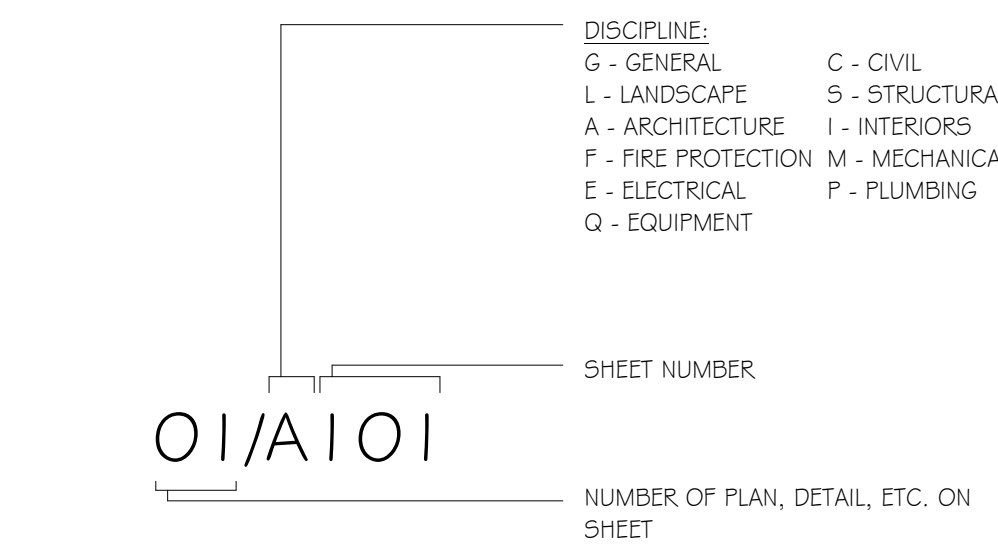
U -----
UC UNDERCUT
UNO UNLESS OTHERWISE NOTED

V -----
VB VAPOR BARRIER
VFY VERIFY
VIF VERIFY IN FIELD
VERT VERTICAL
VCT VINYL COMPOSITION TILE
VWC VINYL WALL COVERING

W -----
W WITH
WO WITHOUT
WBF WATER BOTTLE FILLER
WC WATER CLOSET
WO WOOD
WR WASTE RECEPTACLE
WRB WEATHER RESISTANT BARRIER
WWF WELDED WIRE FABRIC

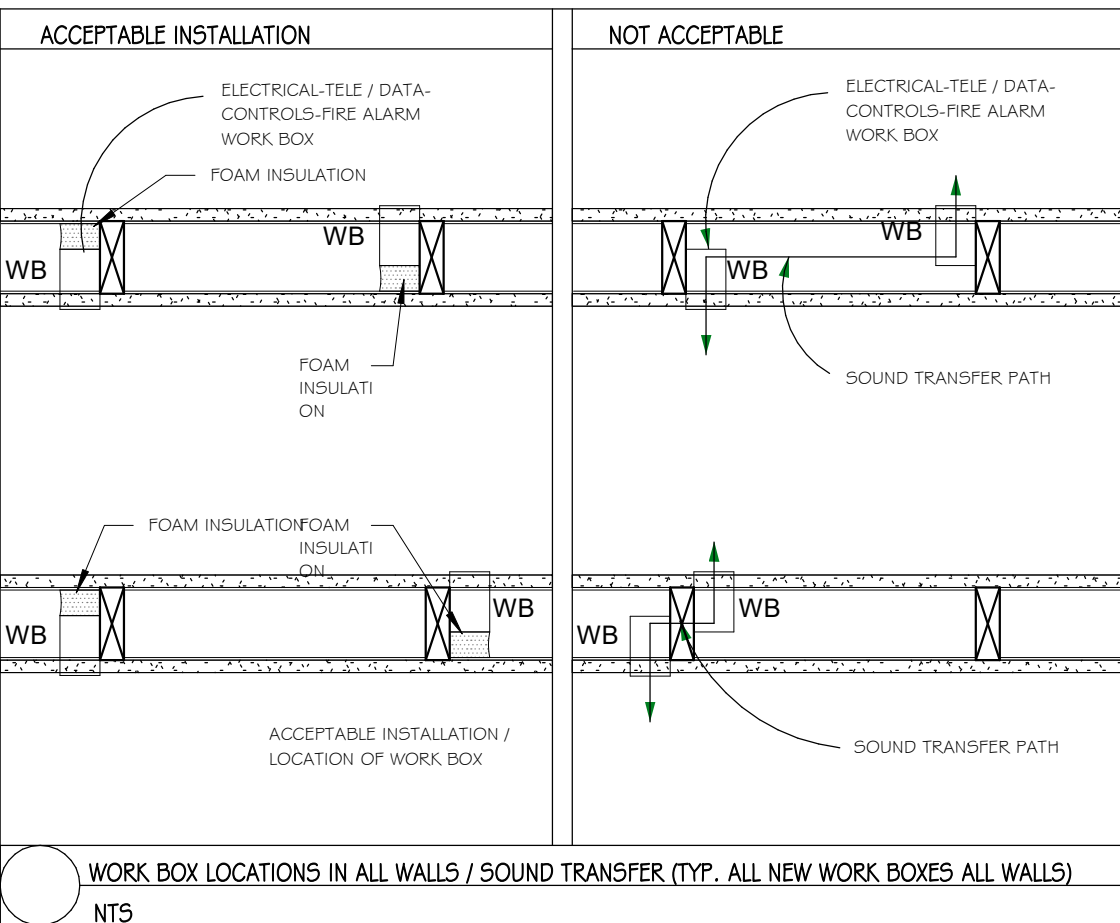
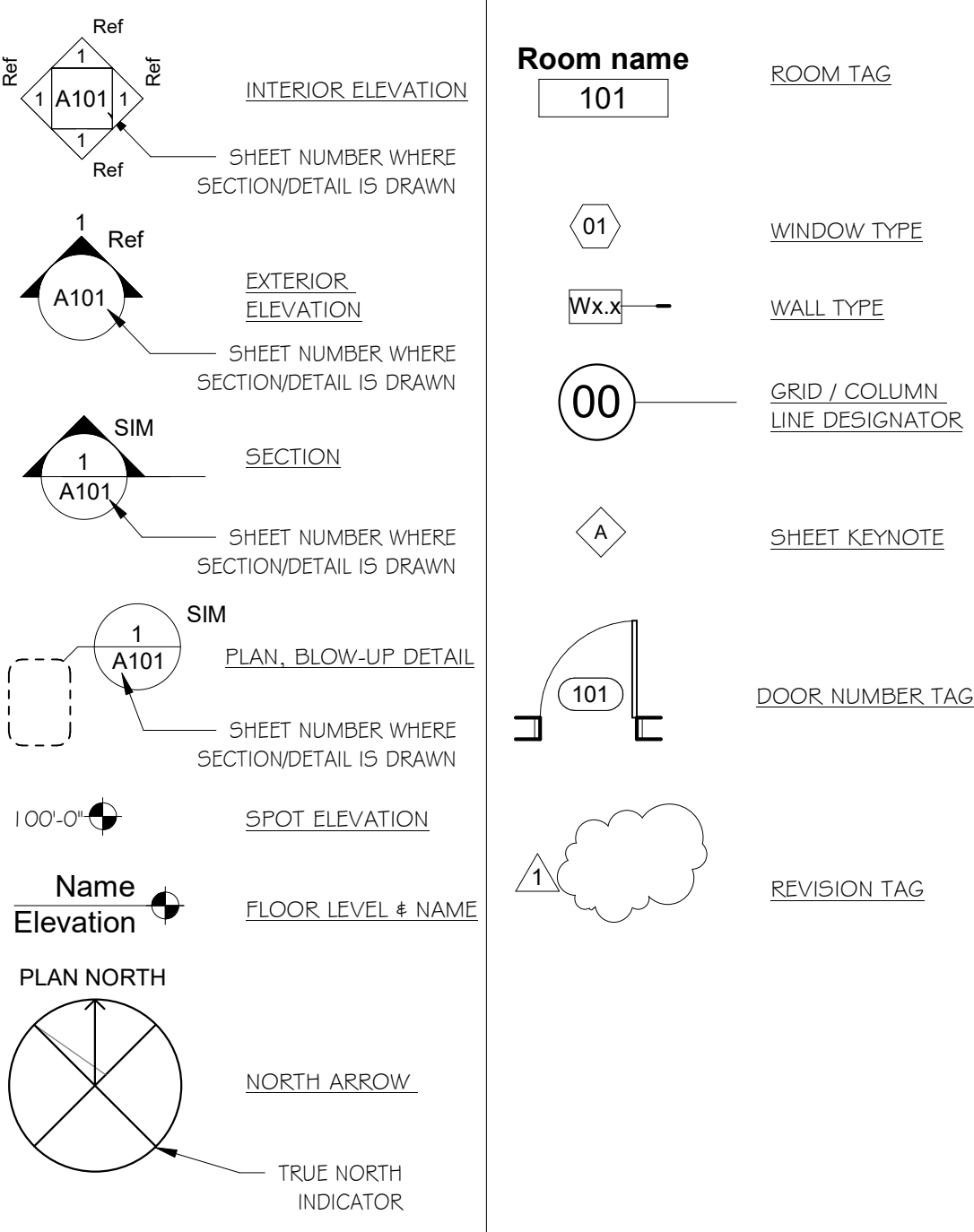
DRAWING CALLOUT KEY

NUMBERING SYSTEM:

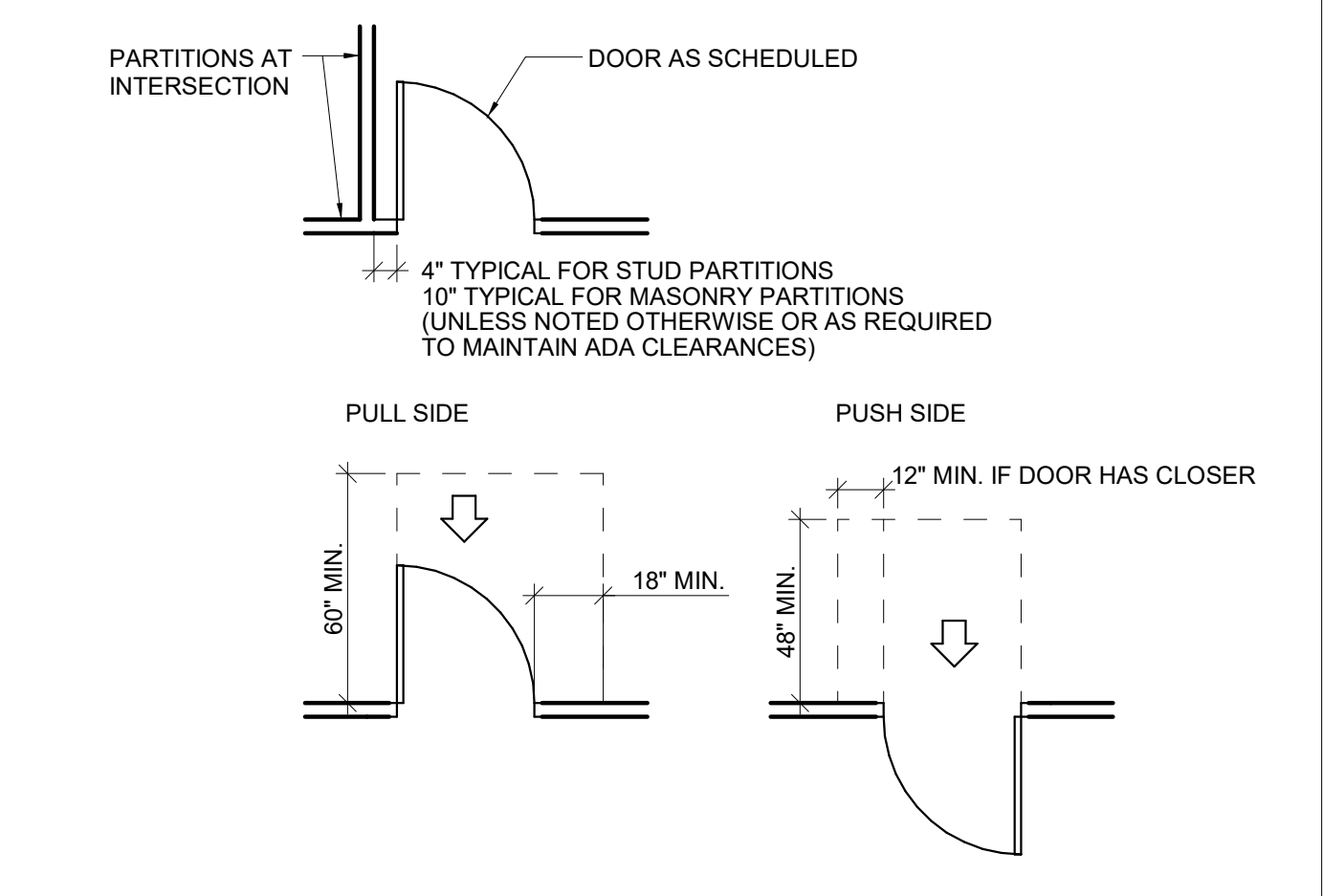


LEGEND

ANNOTATION CALLOUTS/DRAWING SYMBOLS



DOOR CLEARANCES



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NH STATE PARKS

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

Issue

CONTRACT SET

Graphic Scale

North

Scale: As indicated

Date: May 8, 2024

Drawn By: MR

Checked By: WD

Issues:

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 - RSA 155-A
- 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 MERCANTILE"

~ INTERNATIONAL ENERGY CONSERVATION CODE (IECC) - 2018 EDITION
~ INTERNATIONAL PLUMBING CODE (IPC) - 2018 EDITION
~ INTERNATIONAL MECHANICAL CODE (IMC) - 2018 EDITION
~ NATIONAL ELECTRIC CODE (NEC) - 2020

~ APPLICABLE ACCESSIBILITY CODES & STANDARDS:
- ICC A117.1-2003 - 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); LSC - 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 = COMPLIES

- ALLOWABLE HEIGHT: 40'-0" (TO AVERAGE HEIGHT OF HIGHEST ROOF PLANE)
- PROPOSED HEIGHT: 15'-0" = COMPLIES

~ BUILDING AREA (IBC TABLE 506.2)

- ALLOWABLE AREA (1ST FLOOR PLAN): 9,000 GSF
- PROPOSED AREA (1ST FLOOR PLAN): 1,594 GSF = COMPLIES

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

- TOTAL PROPOSED GROSS FLOOR AREAS: 1,594 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:

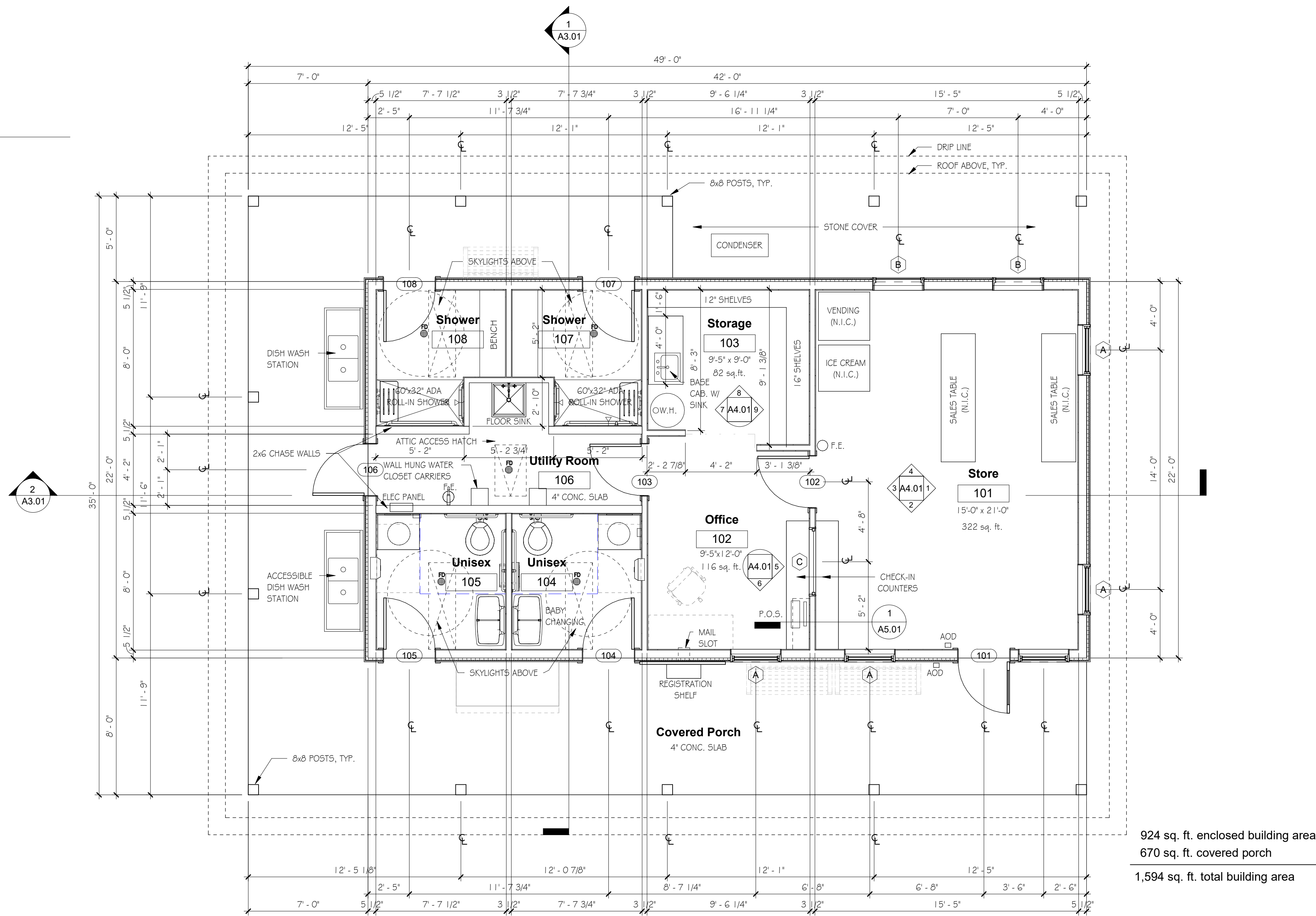
- BUILDING IS UNWINTERIZED

PLUMBING REQUIREMENTS:

- 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 UNISEX PROVIDED THE NUMBER OF WATER CLOSETS COMPLIES WITH TABLE 2902.1.

CODE SUMMARY



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

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NH STATE PARKS

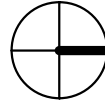
Campground Expansion Project PII
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1437 Berlin Road
Errol, NH
03579

Issue

CONTRACT SET

Graphic Scale

North



Scale: As indicated

Date: May 8, 2024

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Checked By: WD

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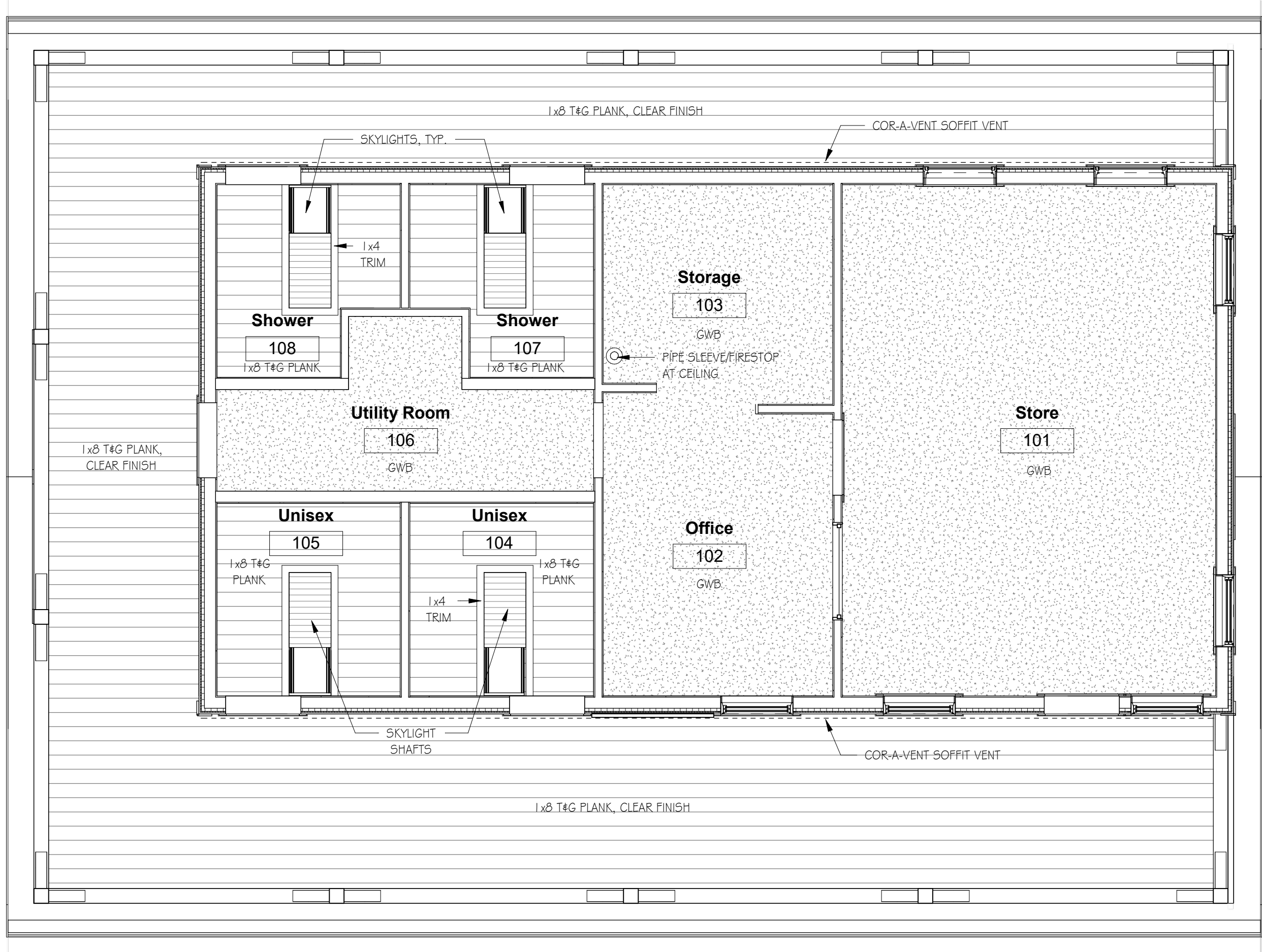
MAIN FLOOR PLAN

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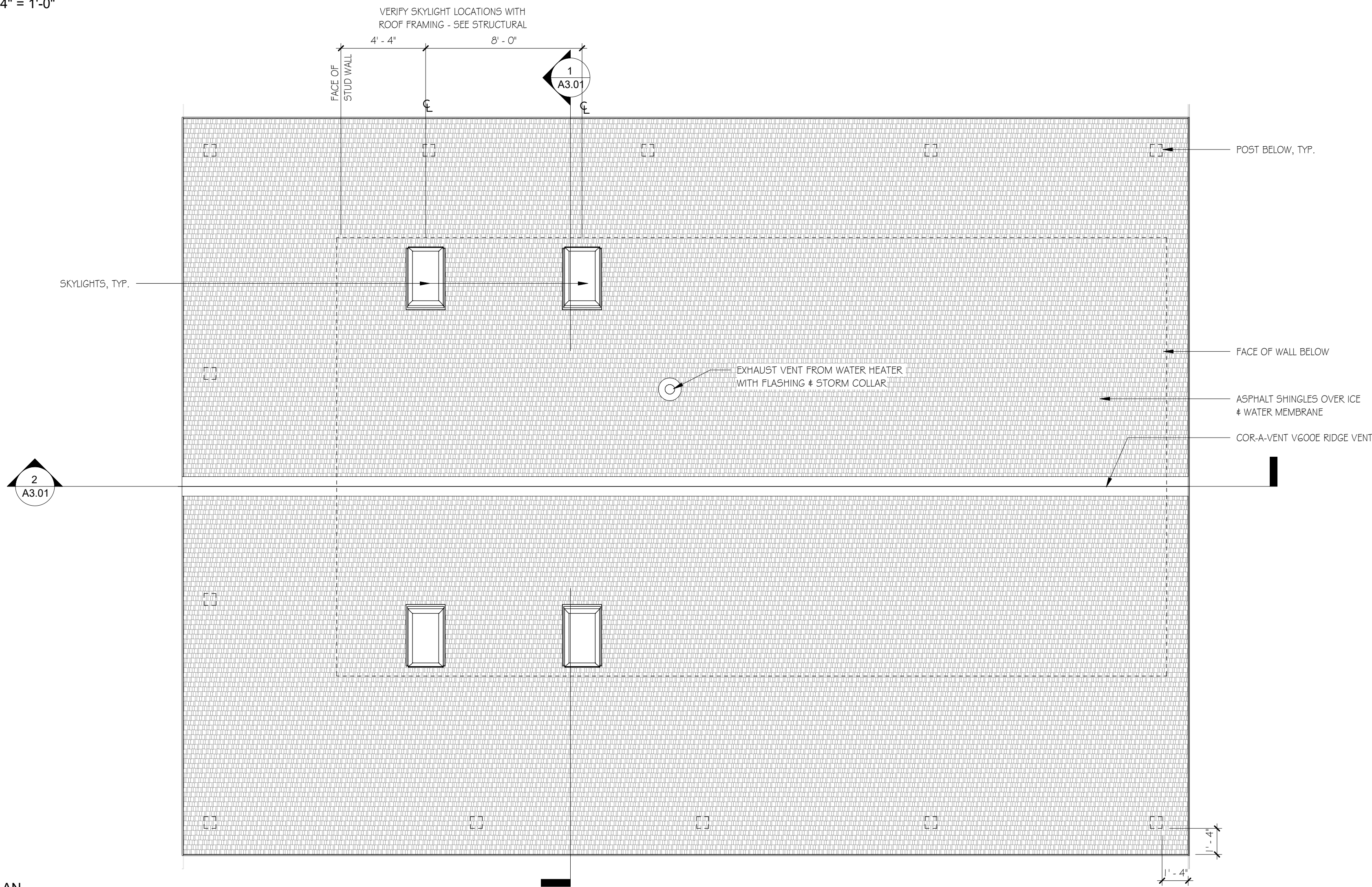
A1.01

Project Number: 2136A

File:



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



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

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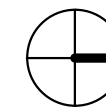
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North



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

Date: May 8, 2024

Drawn By: MR

Checked By: WD

Issues:

No.	Description	Date

Title

MAIN FLOOR REFLECTED
CEILING & ROOF PLAN

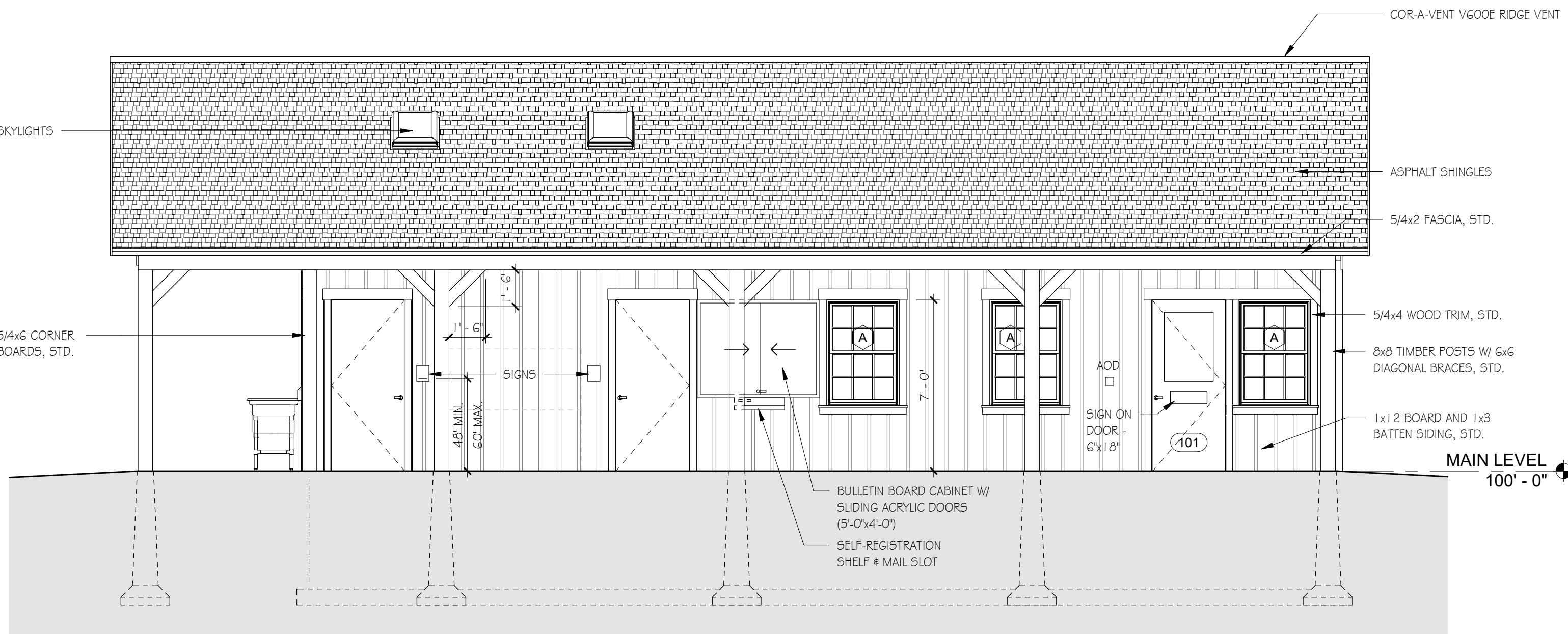
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A1.02

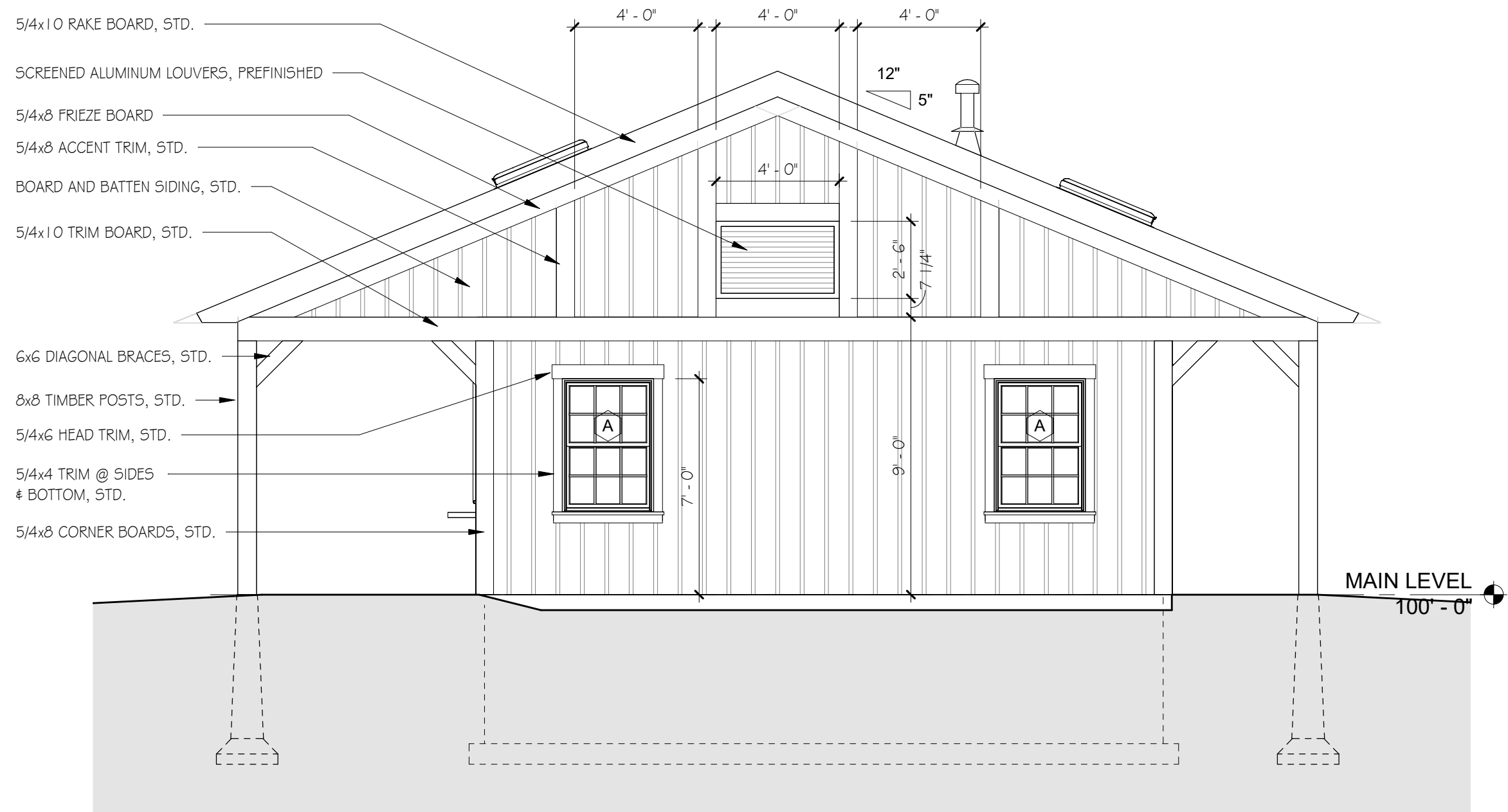
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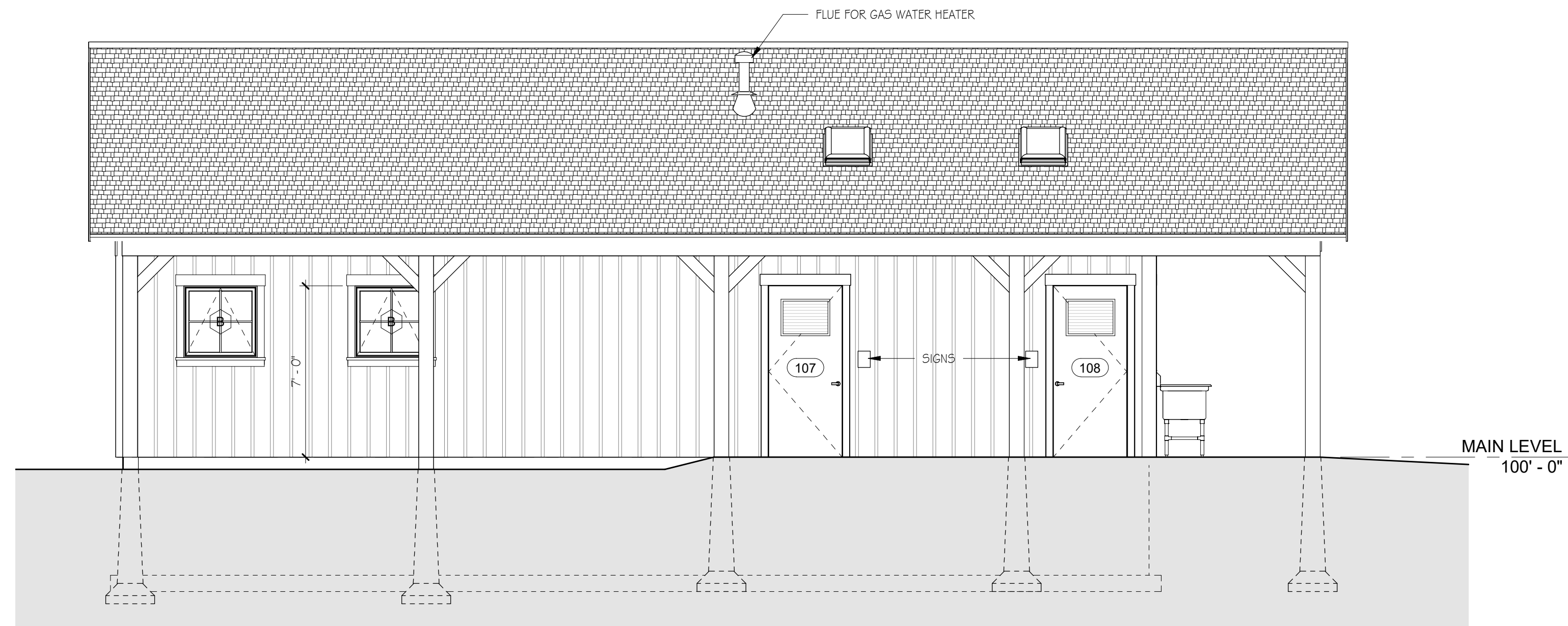
5/8/2024 9:27:56 AM C:\Users\Mike\Documents\Mollidgewock Visitor Reception Center_Arch\trave34.rvt



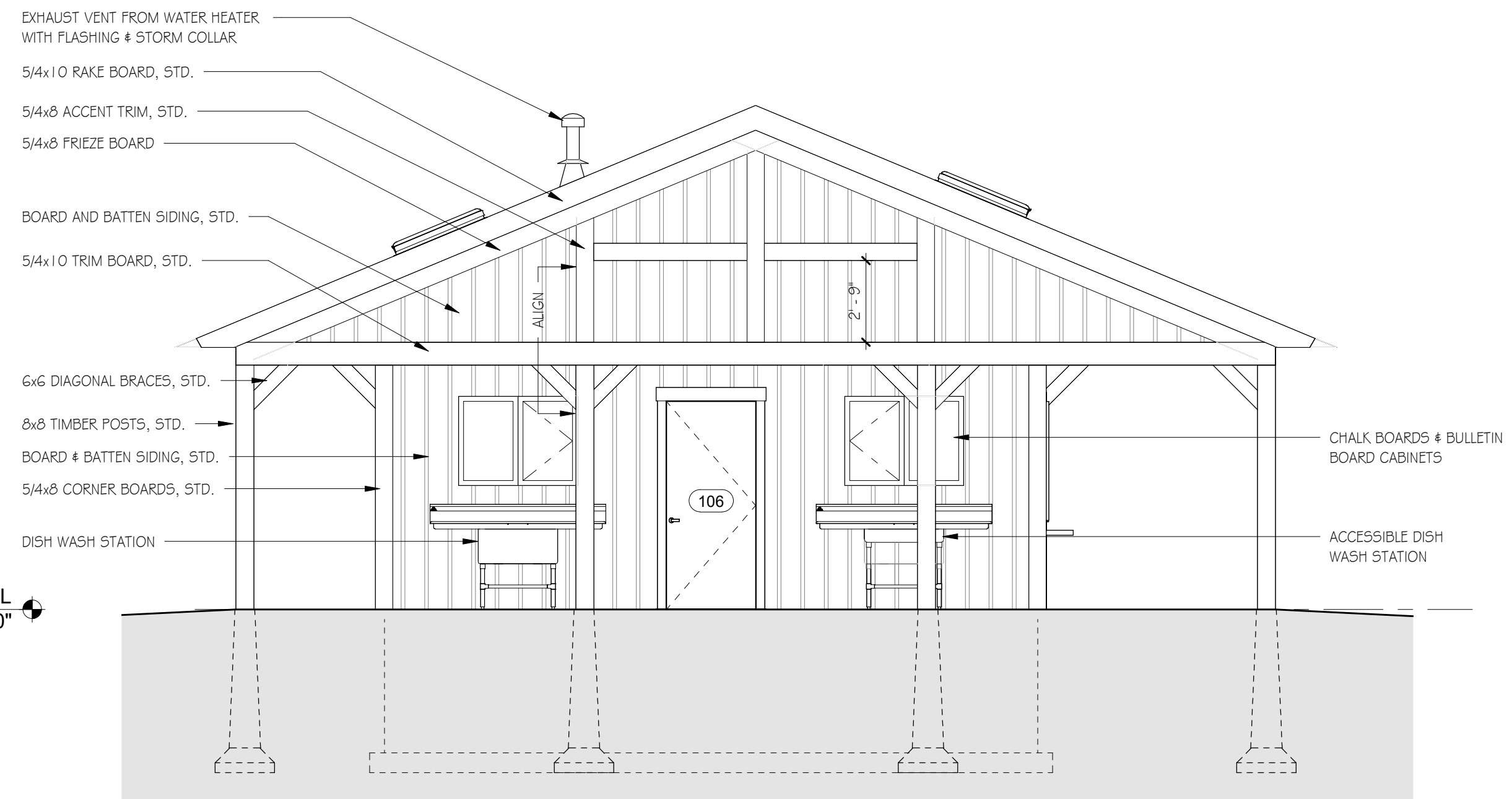
2 EAST ELEVATION
Scale: 1/4" = 1'-0"



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



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



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

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North

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

Date: May 8, 2024

Drawn By: MR

Checked By: WD

Issues:

No.	Description	Date

Title

EXTERIOR ELEVATIONS

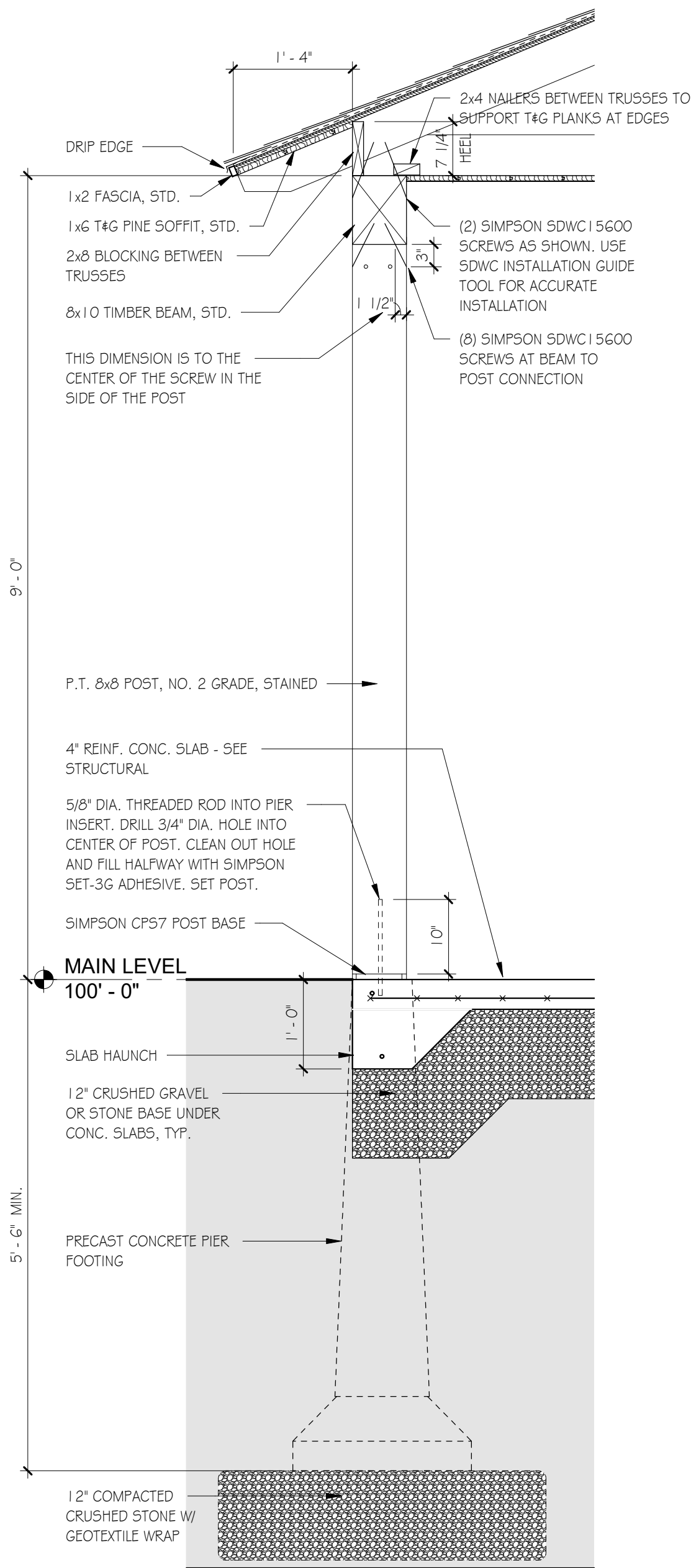
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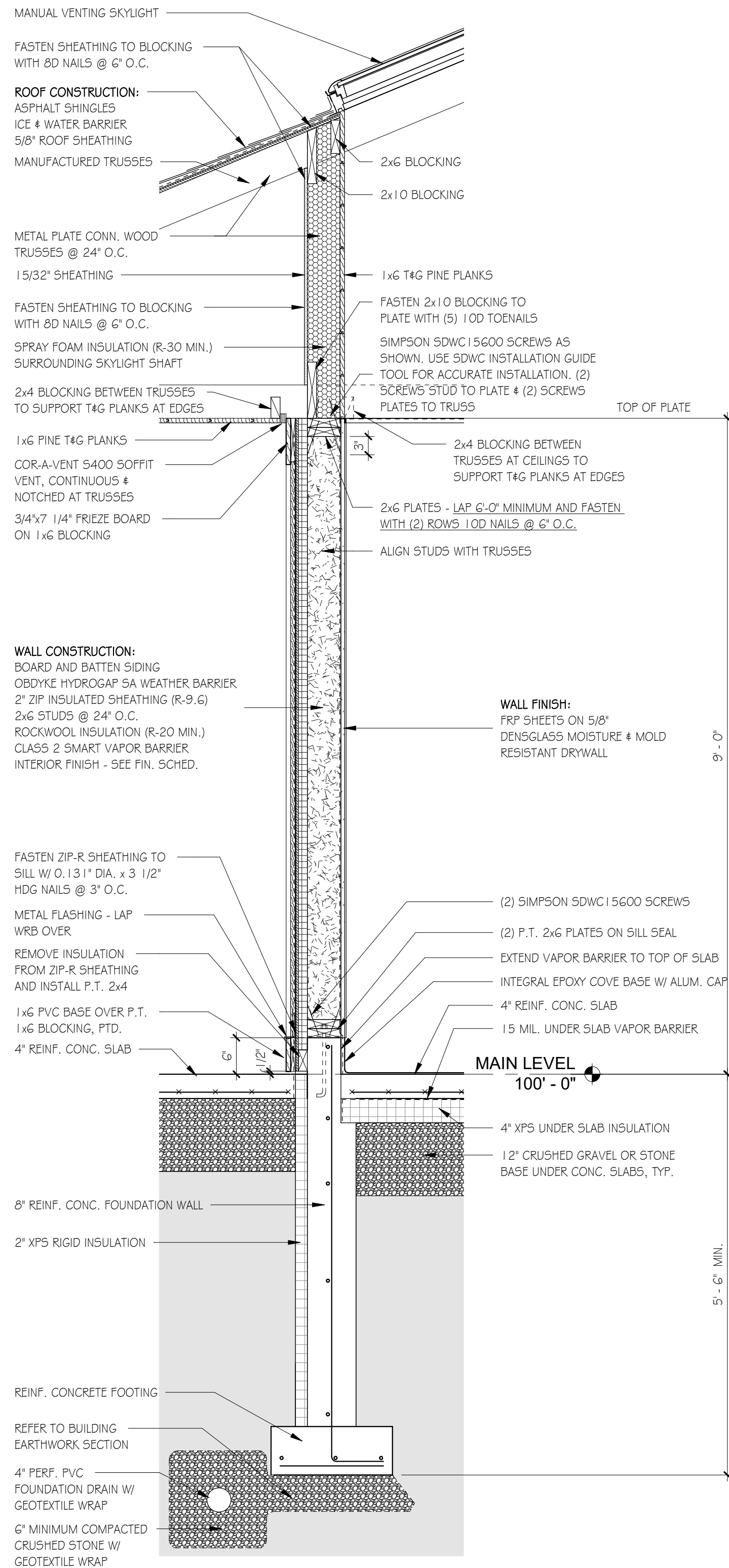
Project Number: 2136A

File:

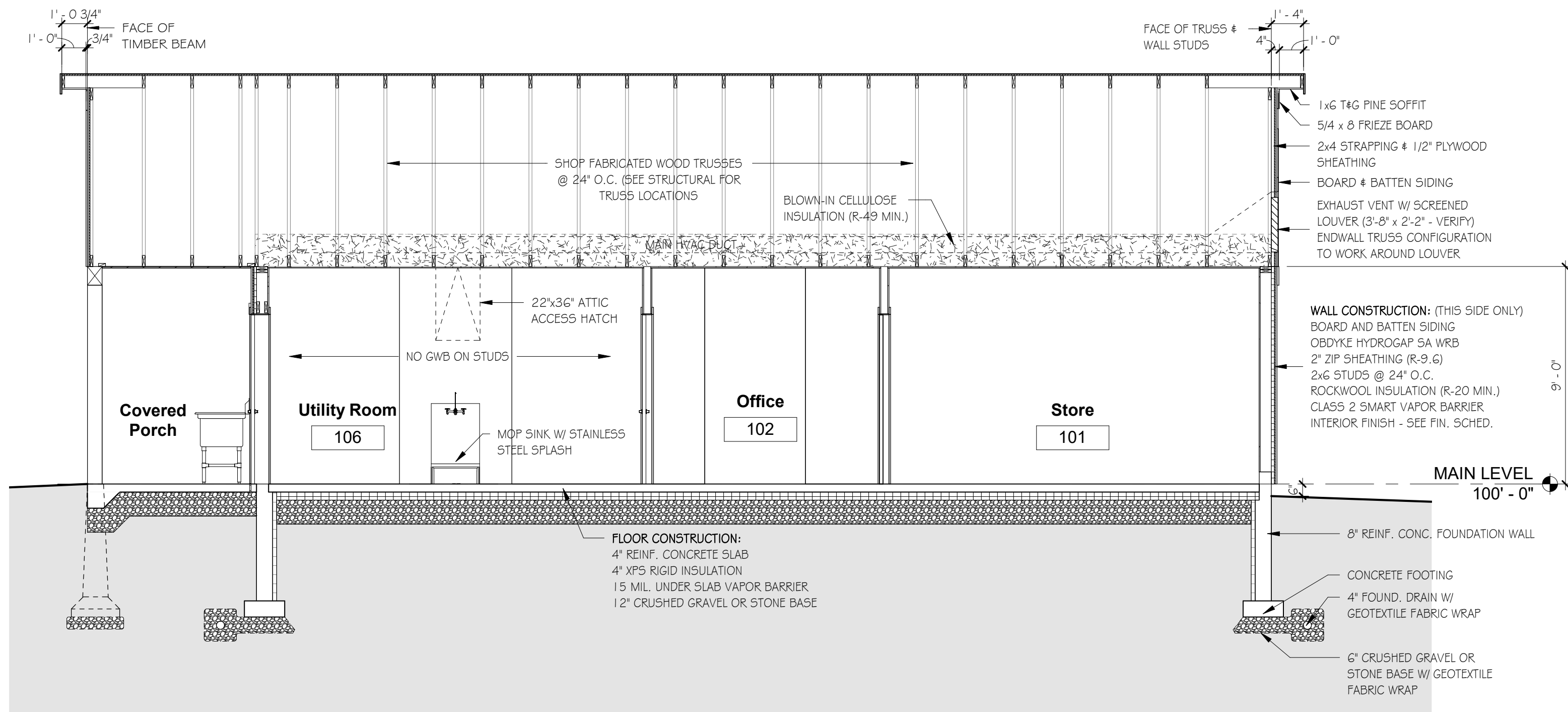
4 WALL SECTION 2
Scale: 3/4" = 1'-0"



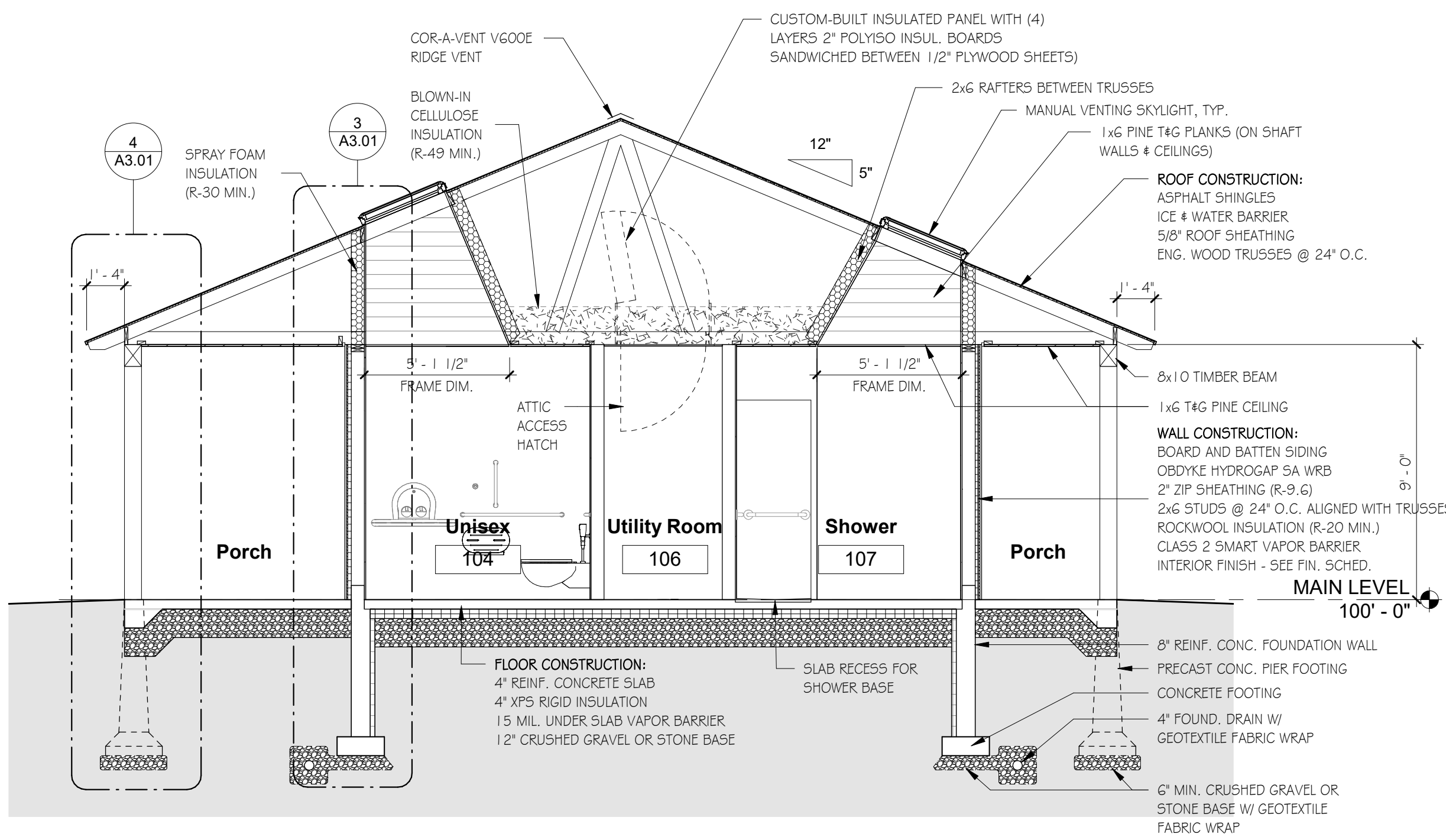
3 WALL SECTION 1
Scale: 3/4" = 1'-0"



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



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



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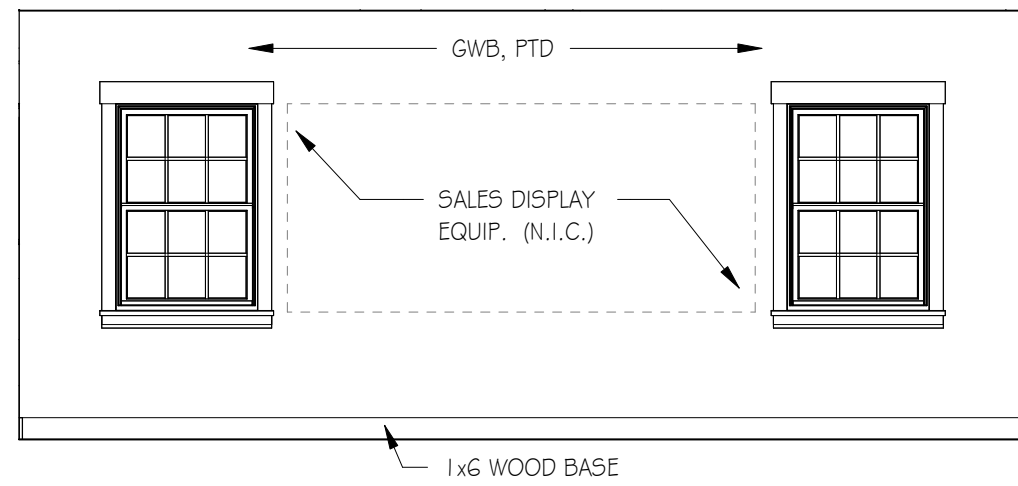
BUILDING & WALL SECTIONS

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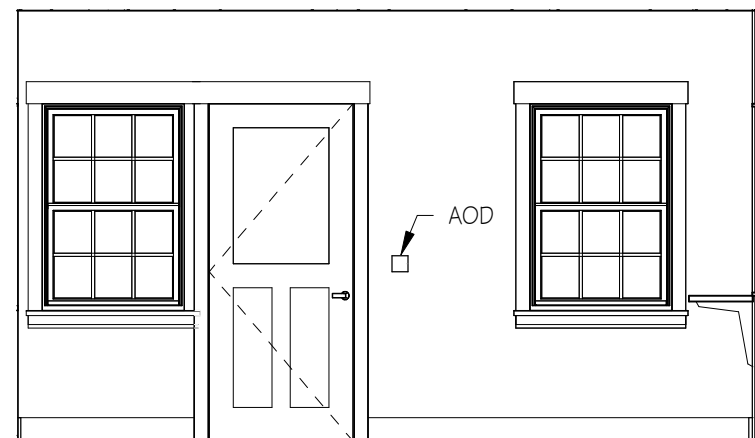
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Project Number: 2136A

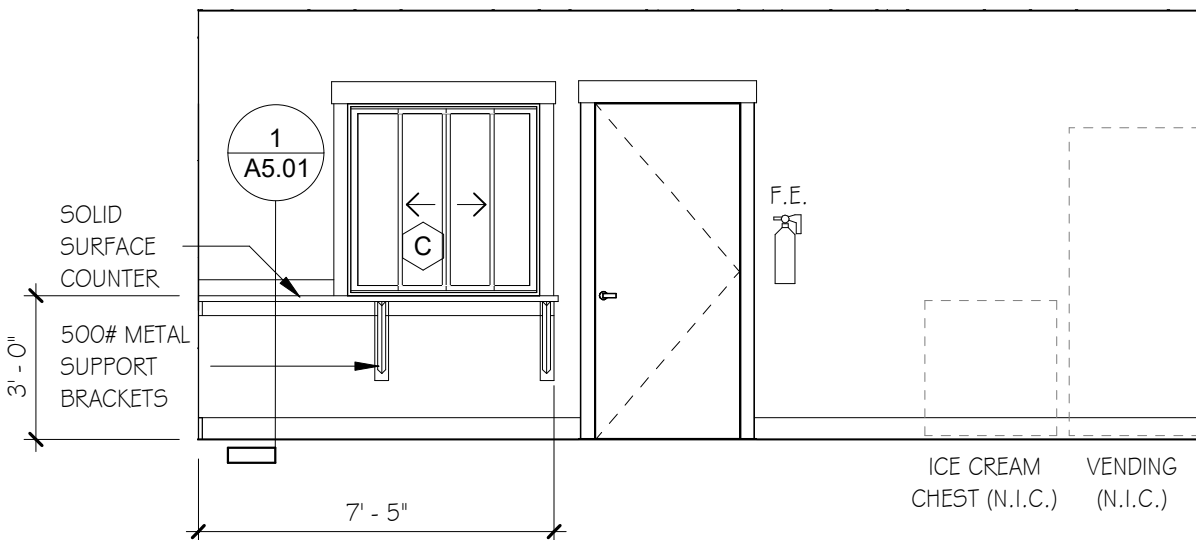
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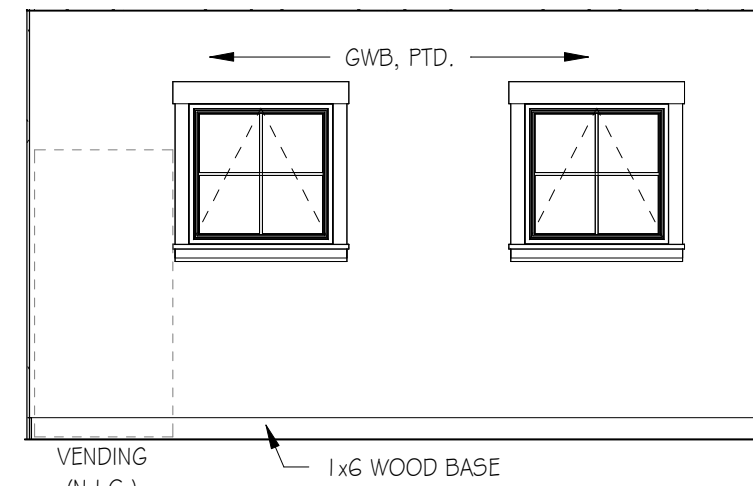
1 STORE - NORTH
Scale: 1/4" = 1'-0"



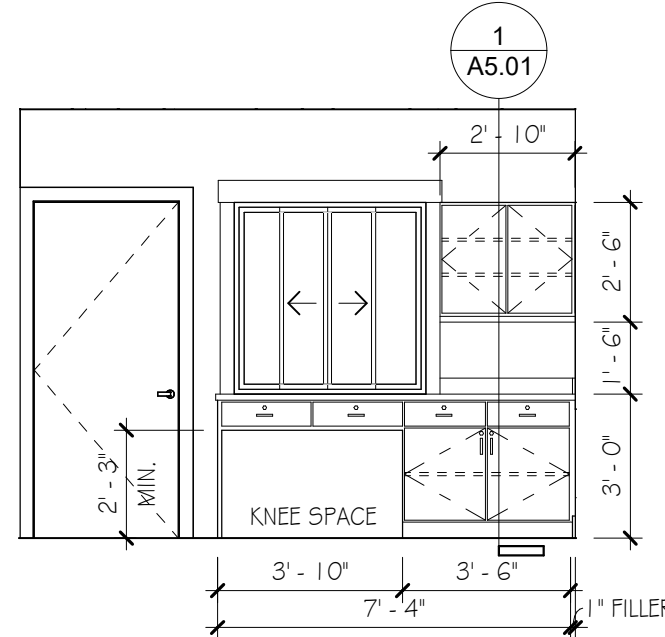
2 STORE - EAST
Scale: 1/4" = 1'-0"



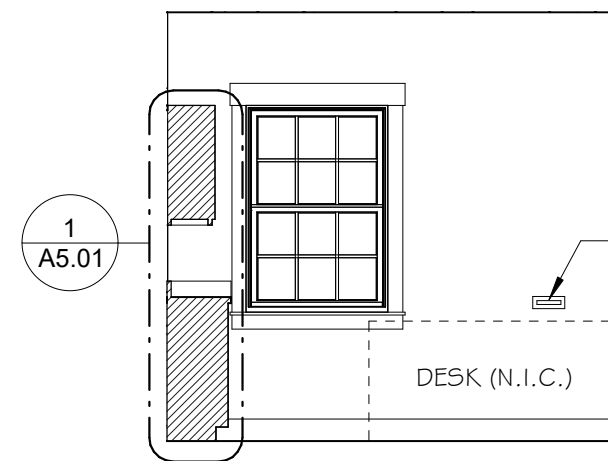
3 STORE - SOUTH
Scale: 1/4" = 1'-0"



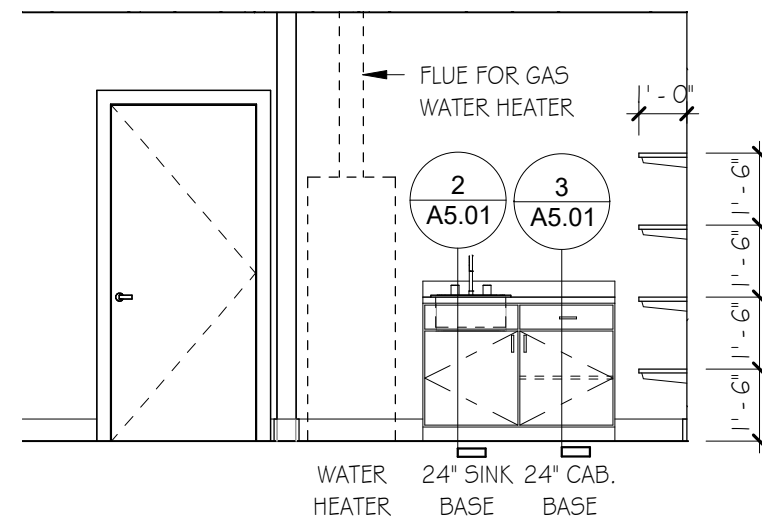
4 STORE - WEST
Scale: 1/4" = 1'-0"



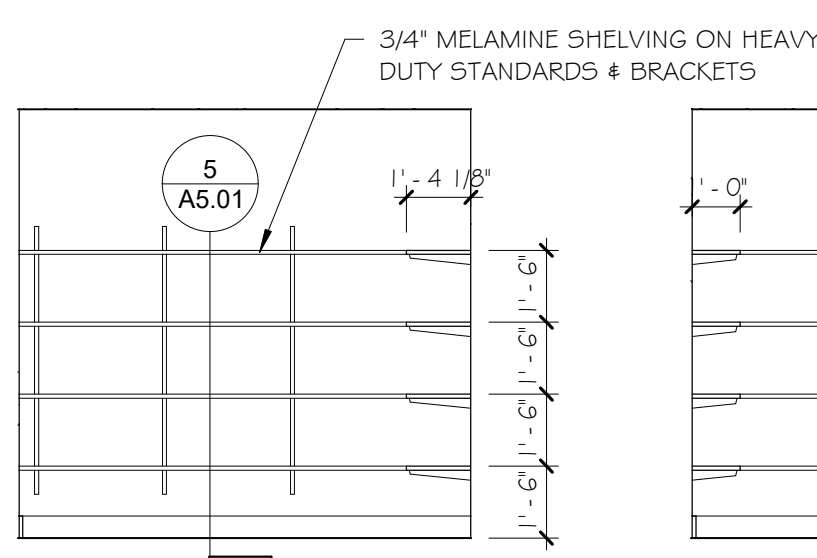
5 OFFICE - NORTH
Scale: 1/4" = 1'-0"



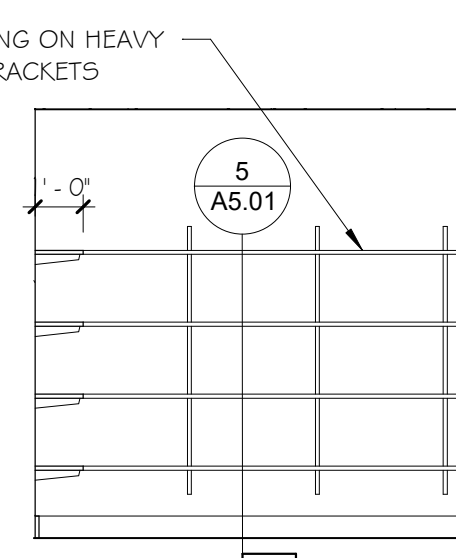
6 OFFICE - EAST
Scale: 1/4" = 1'-0"



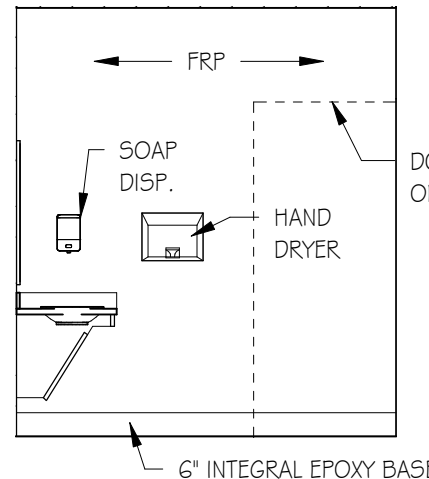
7 STORAGE - SOUTH
Scale: 1/4" = 1'-0"



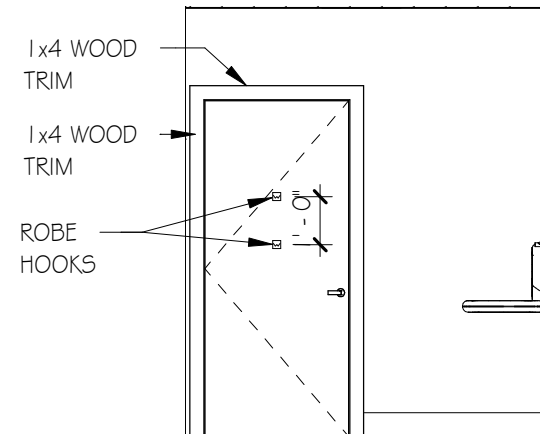
8 STORAGE - WEST
Scale: 1/4" = 1'-0"



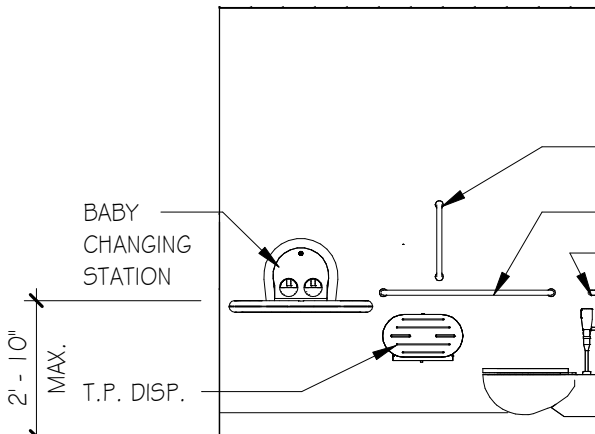
9 STORAGE - NORTH
Scale: 1/4" = 1'-0"



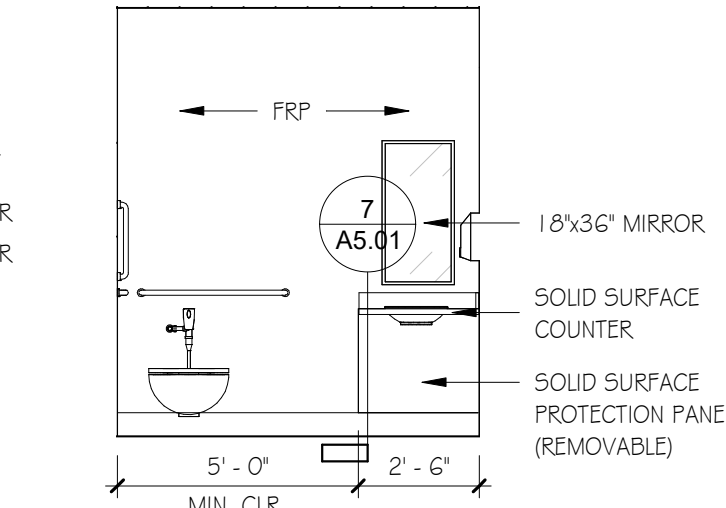
10 UNISEX - NORTH
Scale: 1/4" = 1'-0"



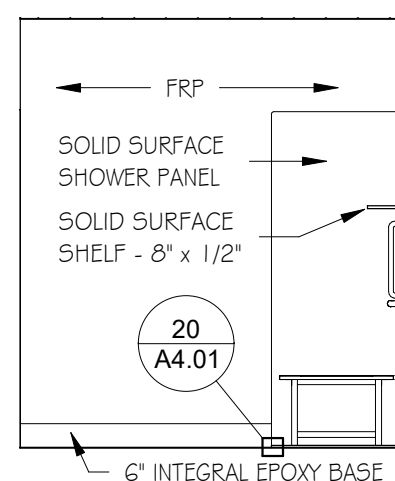
11 UNISEX - EAST
Scale: 1/4" = 1'-0"



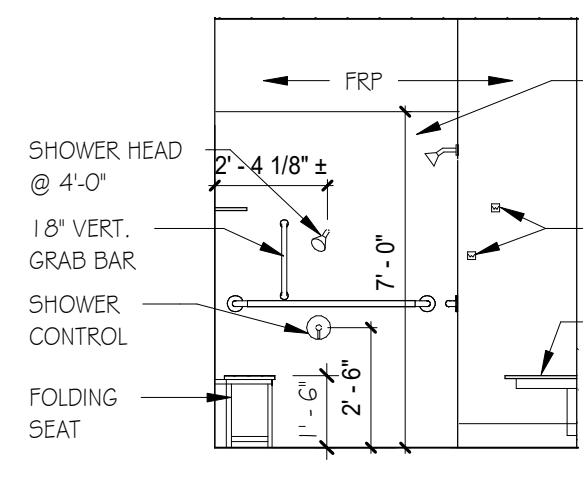
12 UNISEX - SOUTH
Scale: 1/4" = 1'-0"



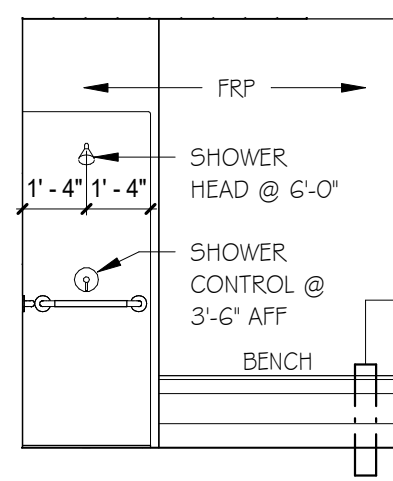
13 UNISEX - WEST
Scale: 1/4" = 1'-0"



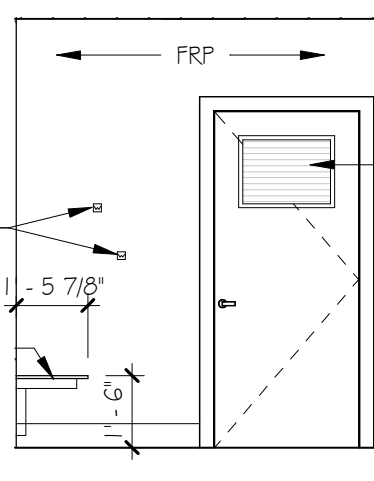
14 SHOWER - NORTH
Scale: 1/4" = 1'-0"



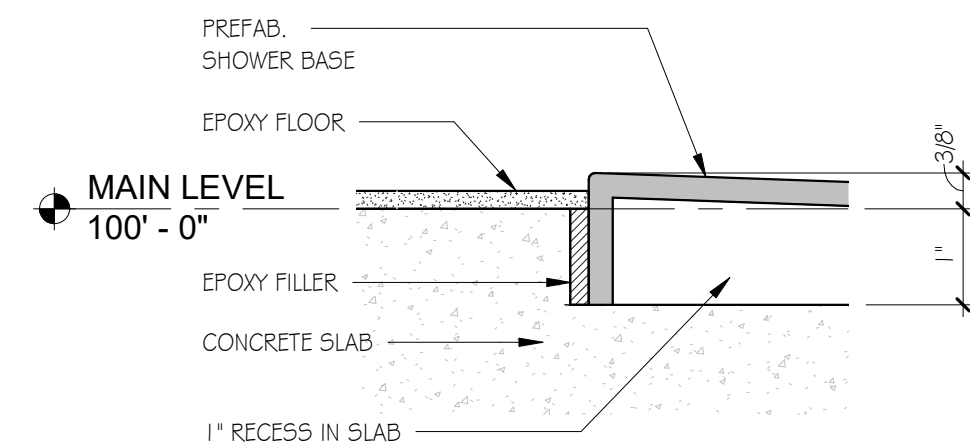
15 SHOWER - EAST
Scale: 1/4" = 1'-0"



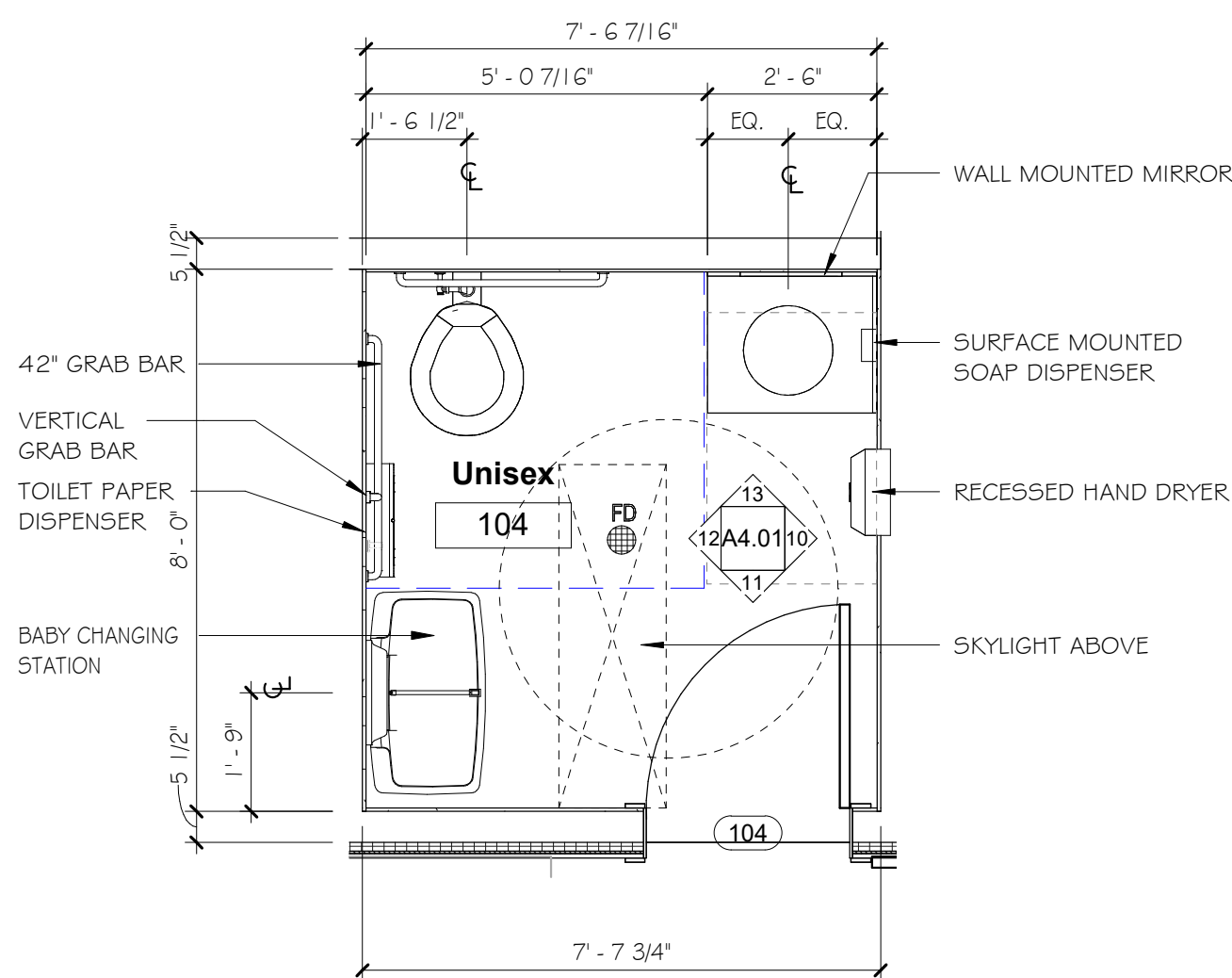
16 SHOWER - SOUTH
Scale: 1/4" = 1'-0"



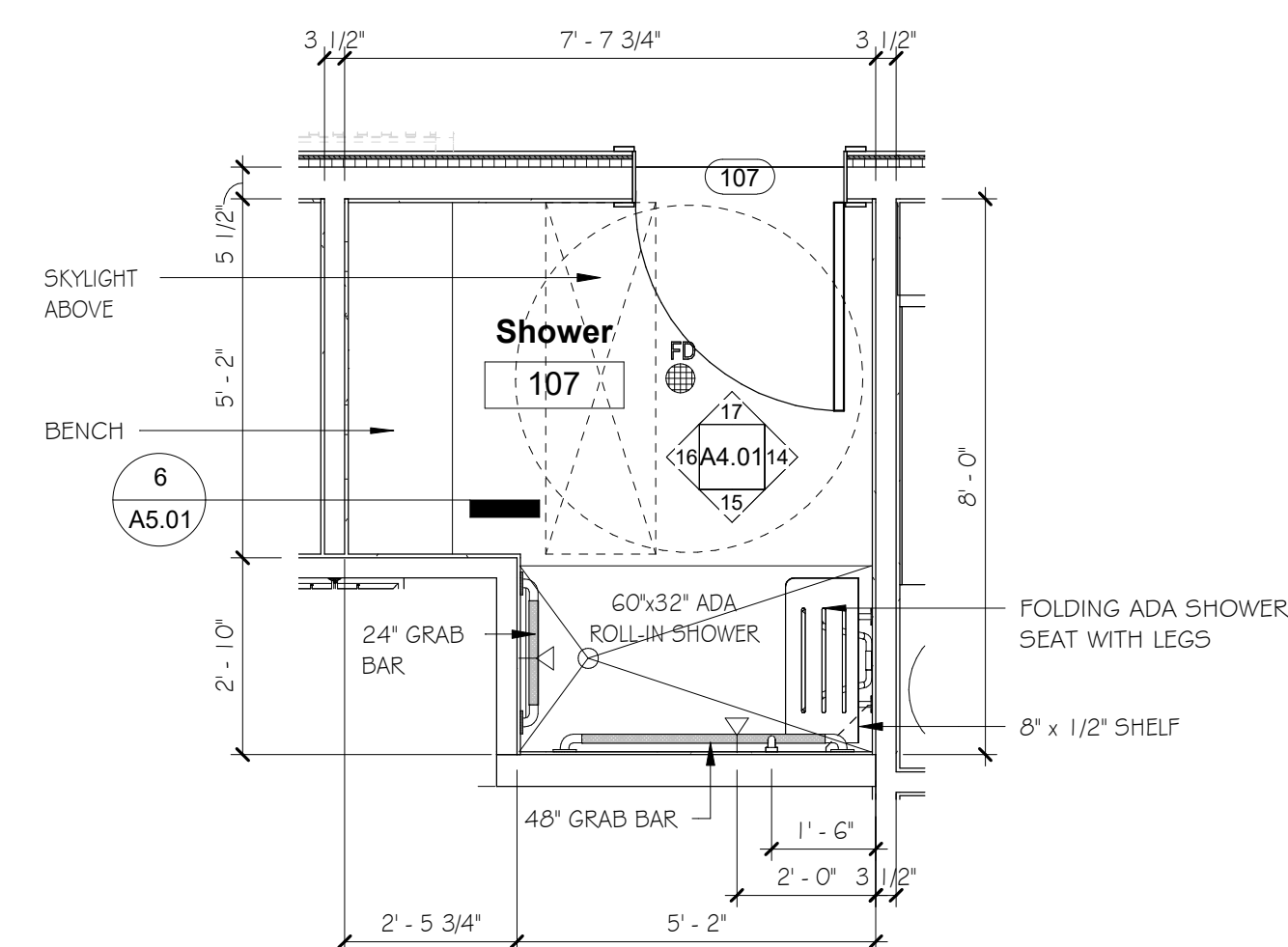
17 SHOWER - WEST
Scale: 1/4" = 1'-0"



20 SHOWER BASE DETAIL
Scale: 6" = 1'-0"



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



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

TP8	MR1	SD3	RH1	GB2	HD2	SS1	BH1
10 28 00 LARGE ROLL TOILET PAPER DISPENSER	10 28 00 MIRROR	10 28 00 SOAP DISPENSER	10 28 00 ROBE HOOK	10 28 00 GRAB BAR	10 28 00 HAND DRYER	10 28 00 SHOWER SEAT	10 28 00 MOP AND BROOM HOLDER
SURFACE MOUNTED	SURFACE MOUNTED	SURFACE MOUNTED	SURFACE MOUNTED	SURFACE MOUNTED	RECESSED MOUNTED	SURFACE MOUNTED	SURFACE MOUNTED
PLAN	PLAN	PLAN	PLAN	PLAN	PLAN	PLAN	PLAN
ELEVATION	ELEVATION	ELEVATION	SIDE ELEVATION	ELEVATION	ELEVATION	ELEVATION	ELEVATION
	VERIFY 3'-4"	3'-8" MAX.	4'-0" MAX. 5'-0"	3'-0" 3'-4" 3'-6" 1'-6"	3'-8" MAX.	2'-0"	SEE ELEVATIONS 5'-0"

ACCESSORIES - TOILETS & SHOWERS

NOTE: SHAPES AND CONFIGURATIONS OF ACCESSORIES
DO NOT NECESSARILY MATCH PRODUCTS IN ELEVATIONS.

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Date: May 8, 2024

Drawn By: MR

Checked By: WD

Issues:

No.	Description	Date

Title

INTERIOR ELEVATIONS

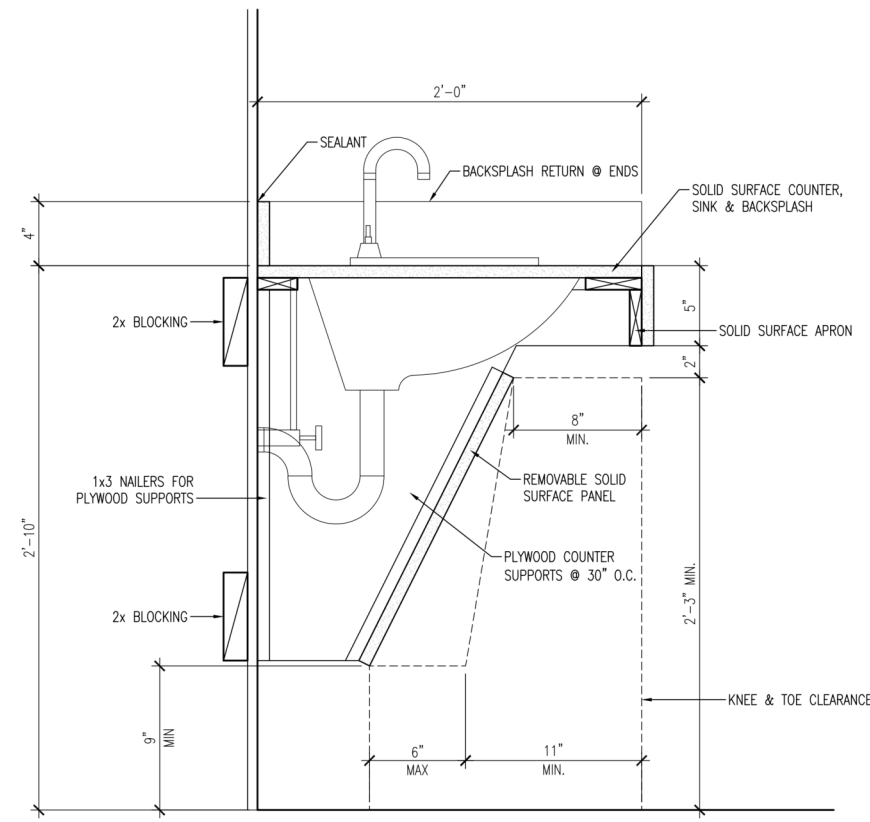
Sheet Number:

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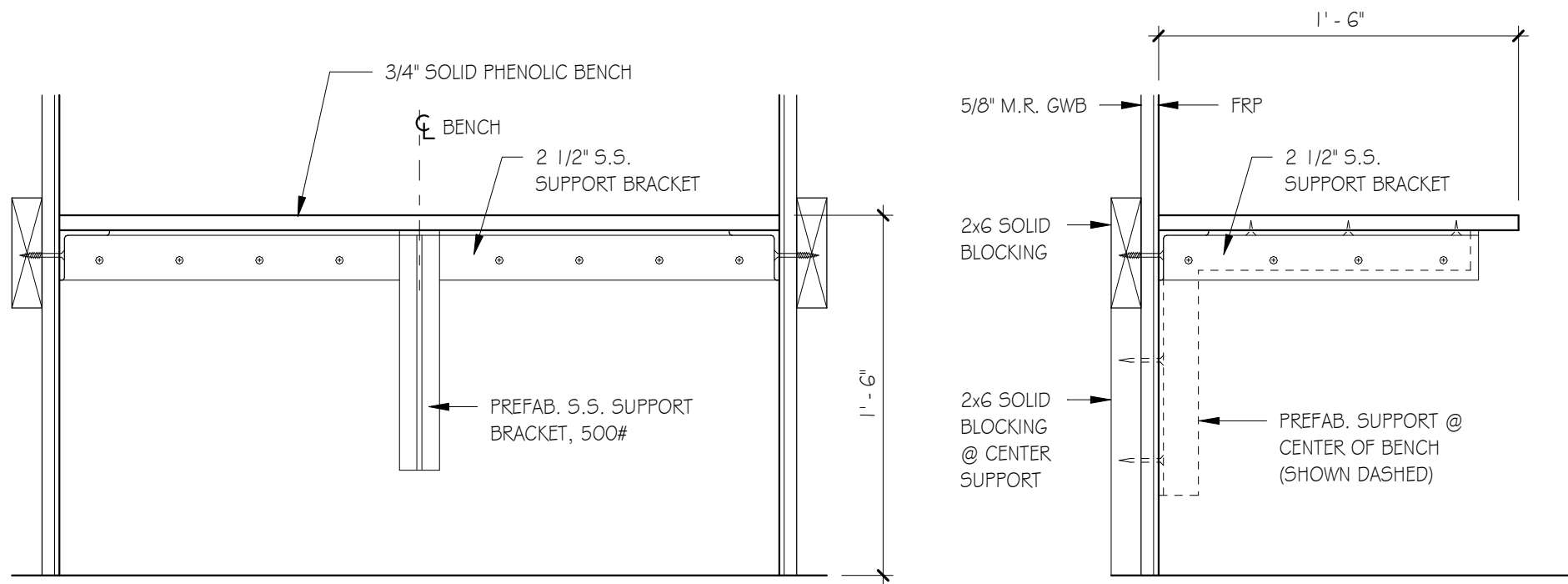
Project Number: 2136A

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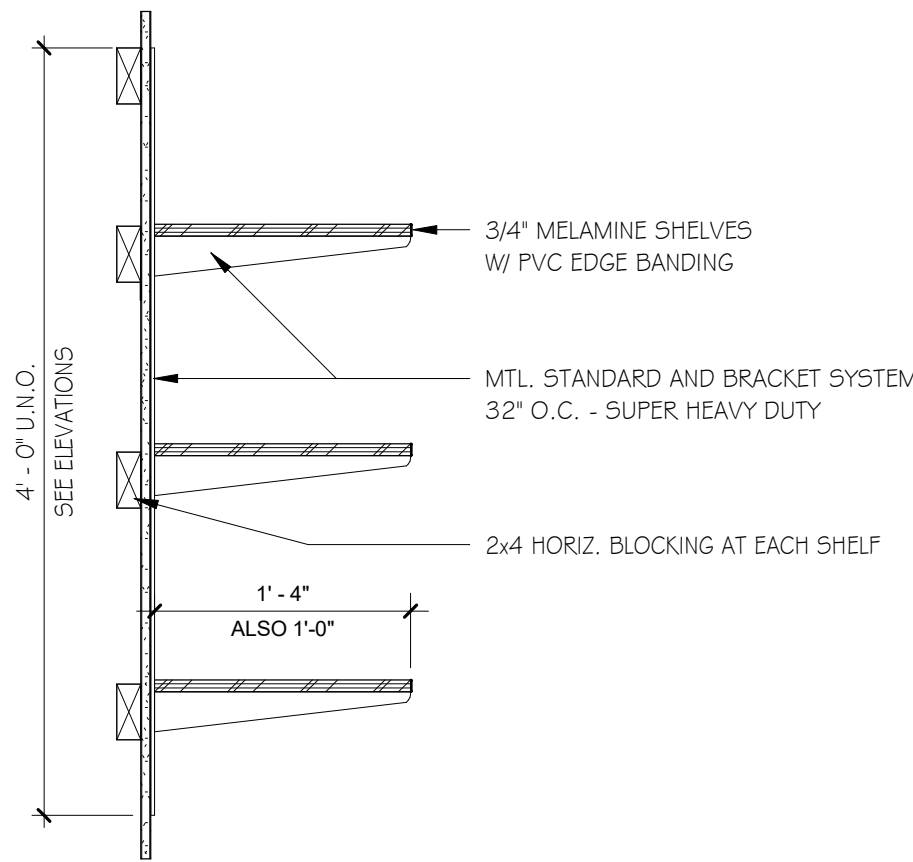
5/8/2024 9:27:59 AM C:\Users\Mike\Documents\Mollidgewock Visitor Reception Center_Architrave34.rvt



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

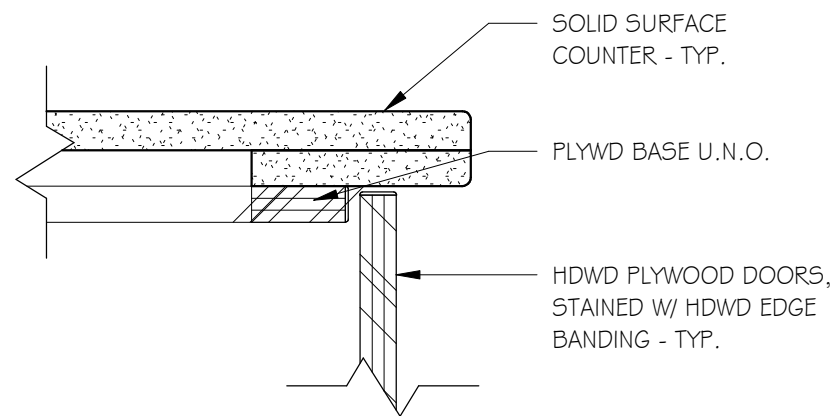


6 TYPICAL SHOWER BENCH DETAIL
Scale: 1 1/2" = 1'-0"

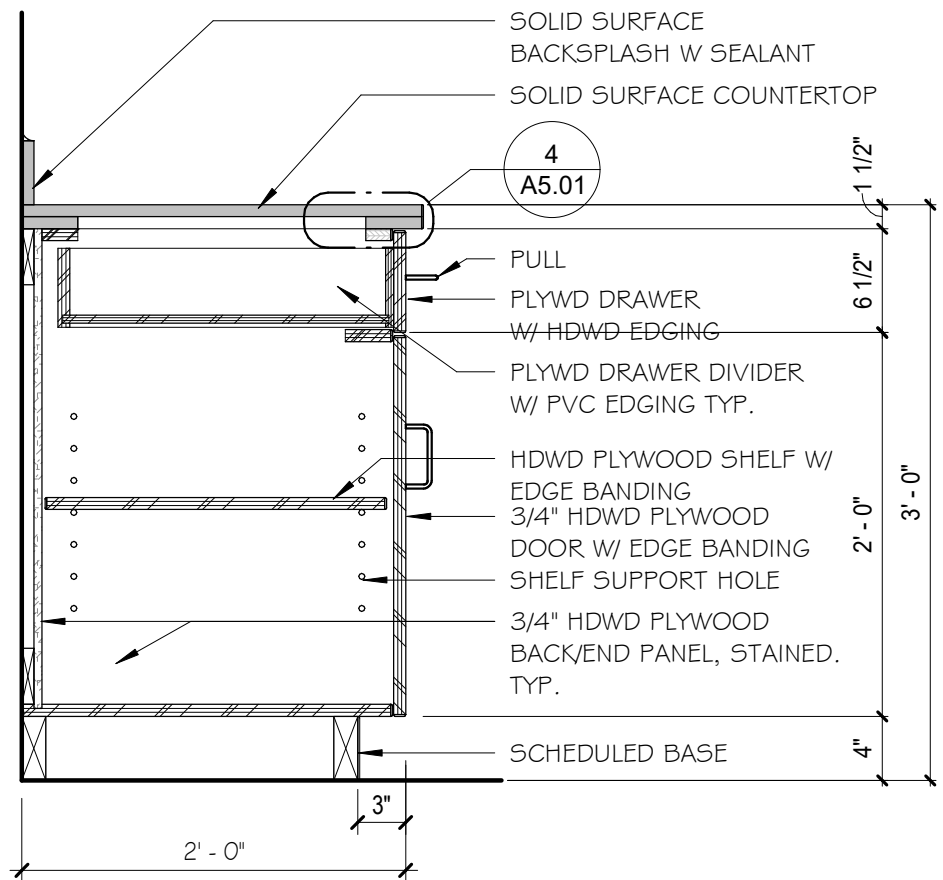


NOTE: SEE PLAN & INTERIOR ELEVATIONS FOR NUMBER OF SHELVES, LENGTH & NON-TYPICAL WIDTH

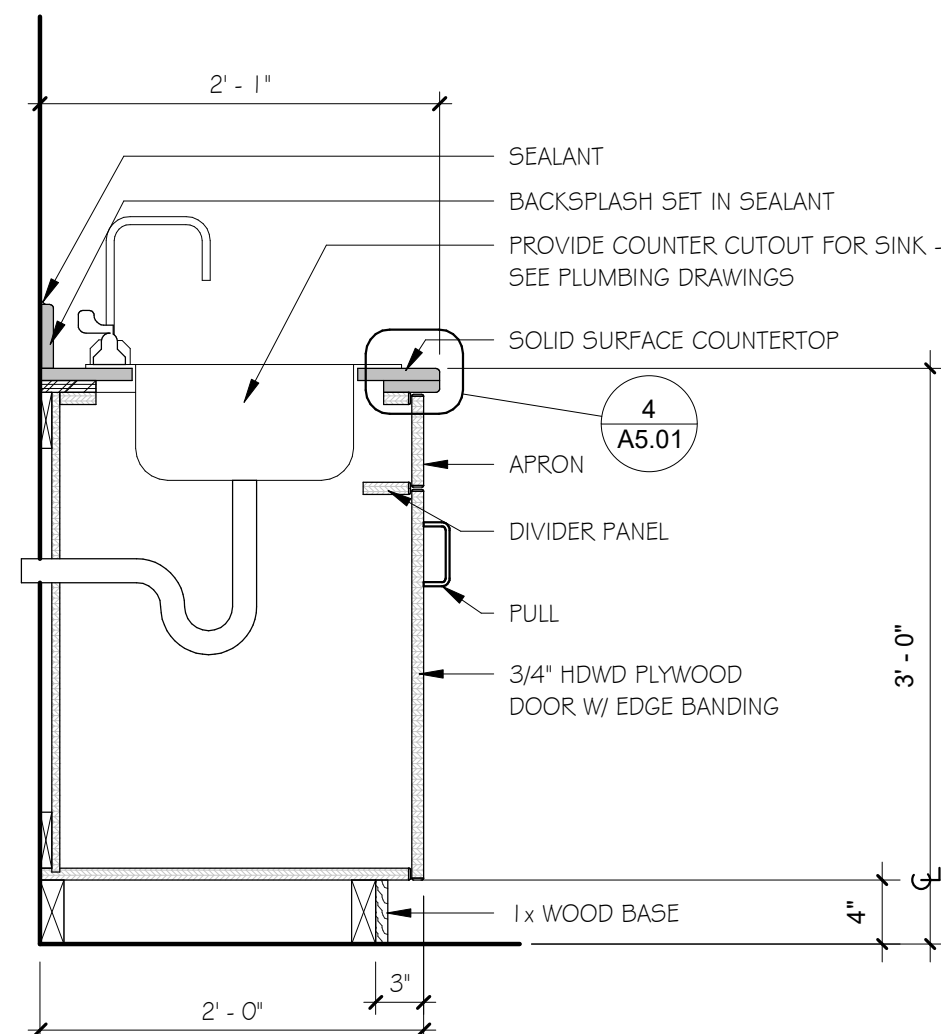
5 WALL MOUNTED SHELIVING
Scale: 1" = 1'-0"



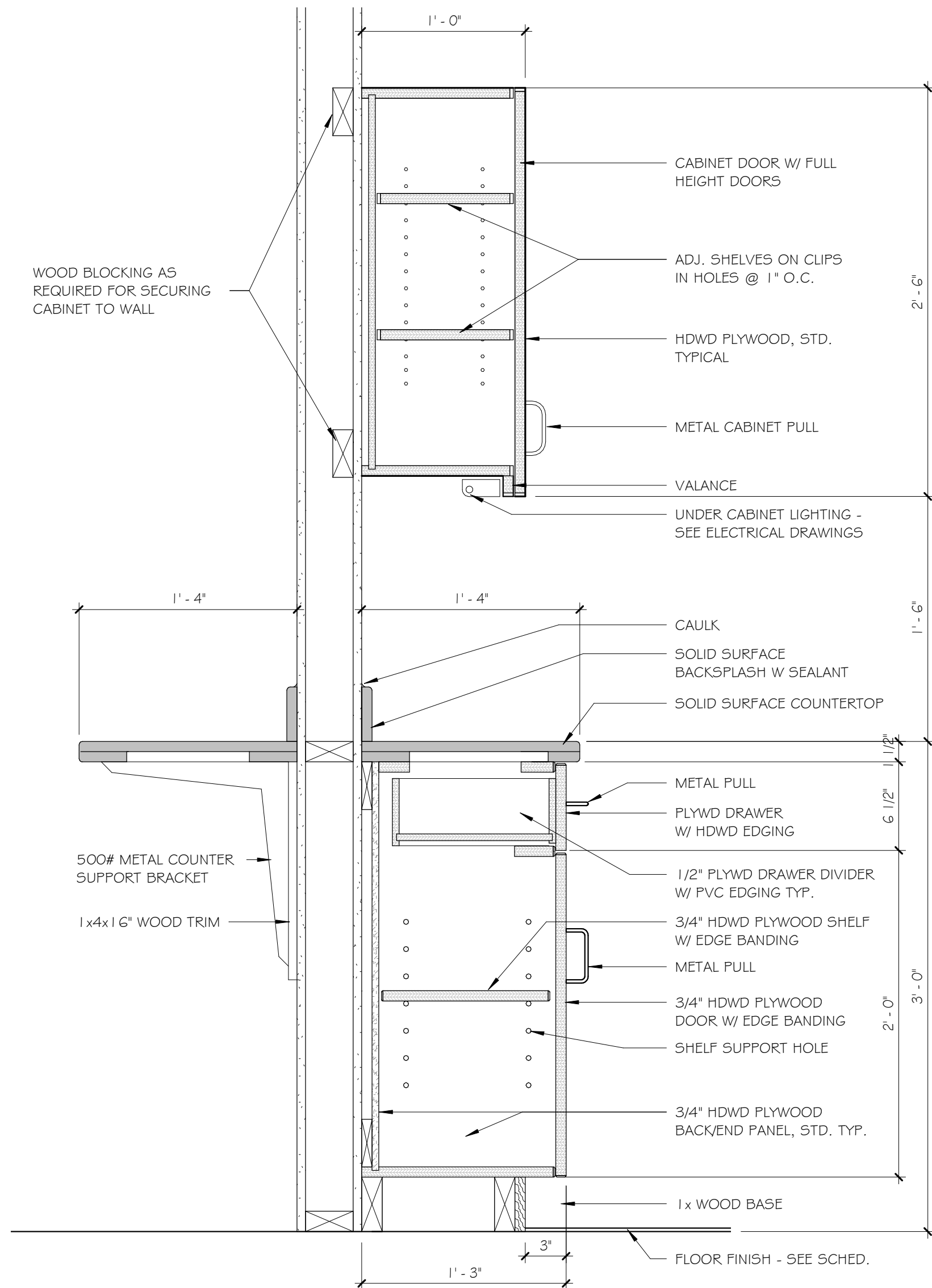
4 COUNTER EDGE DETAIL
Scale: 3" = 1'-0"



3 BASE CABINET WITH 6" DRAWER
Scale: 1" = 1'-0"



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



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

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NH STATE PARKS

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

Issue

CONTRACT SET

Graphic Scale

North

Scale: As indicated

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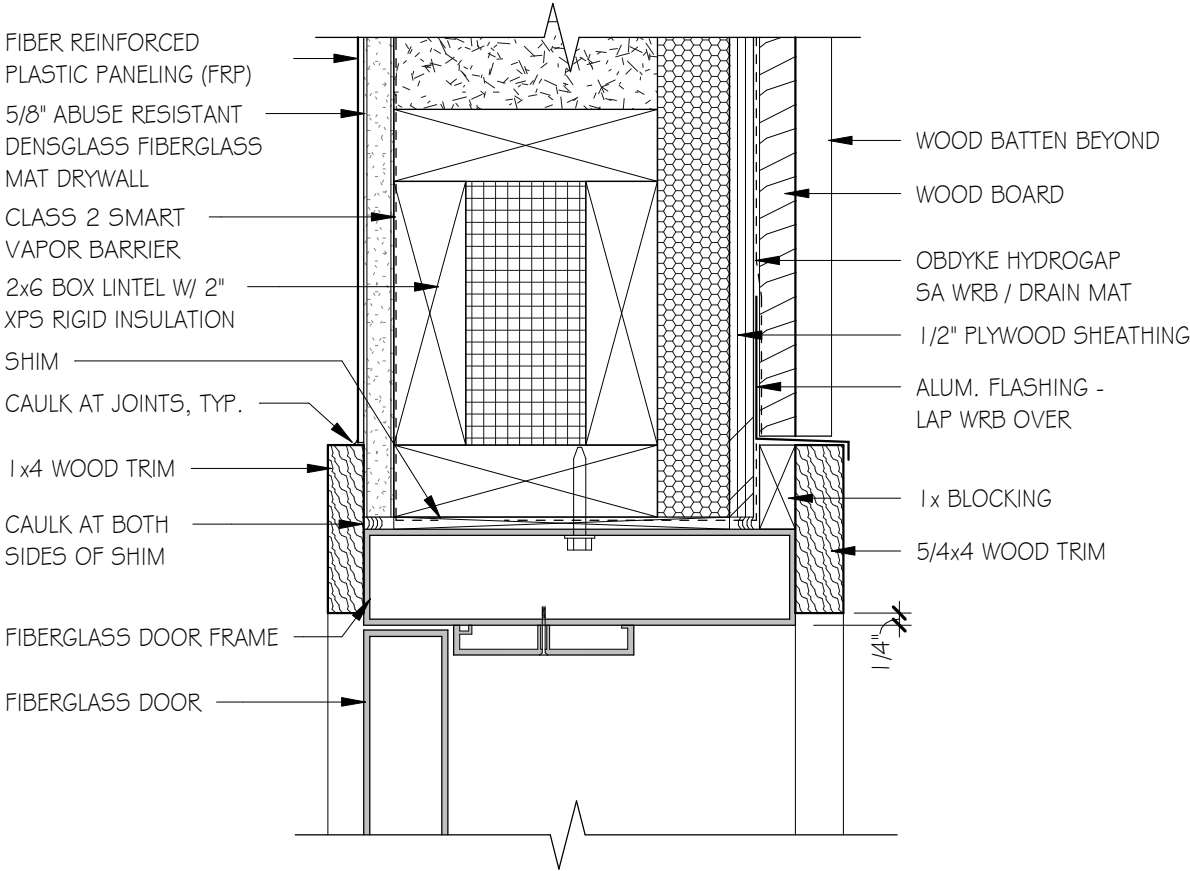
DETAILS

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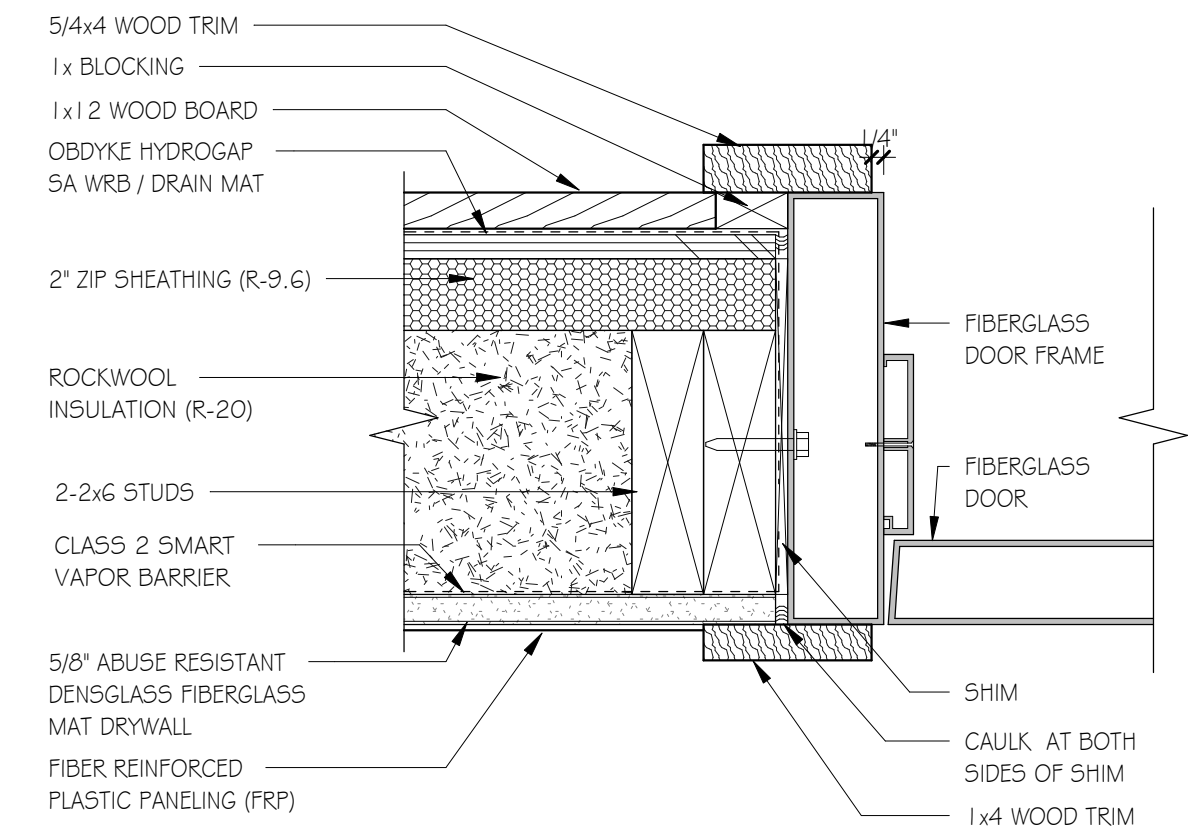
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Project Number: 2136A

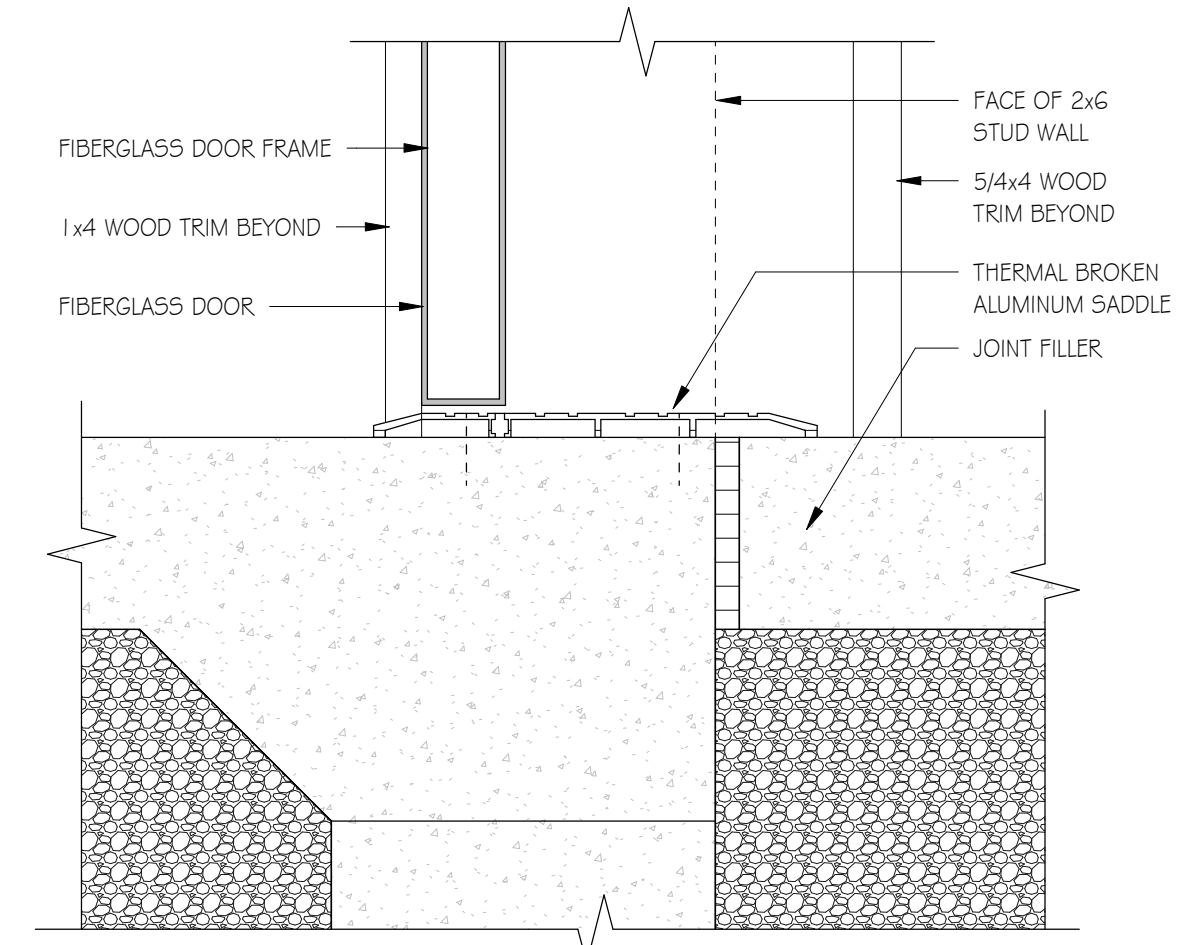
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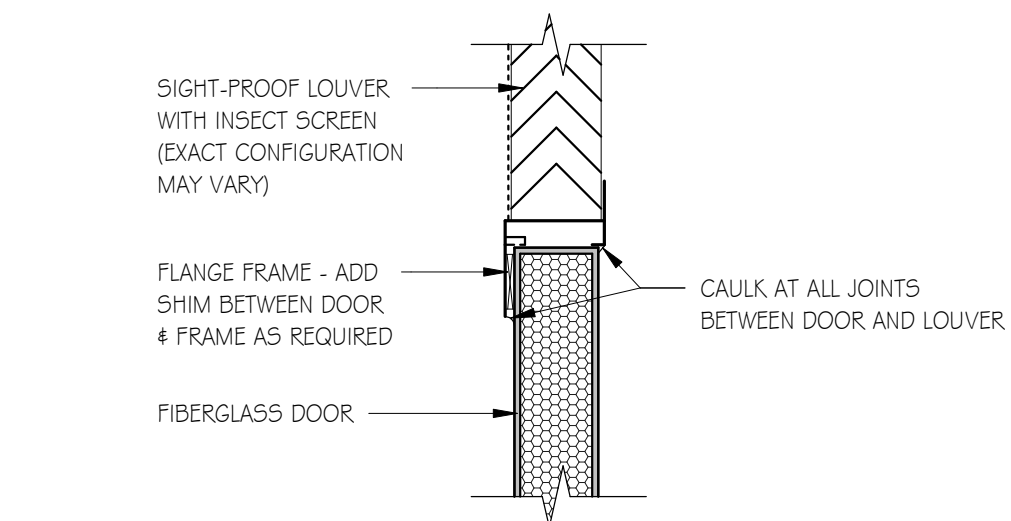
1 DOOR HEAD DETAIL
Scale: 3" = 1'-0"



2 DOOR JAMB DETAIL
Scale: 3" = 1'-0"



3 DOOR SILL DETAIL
Scale: 3" = 1'-0"



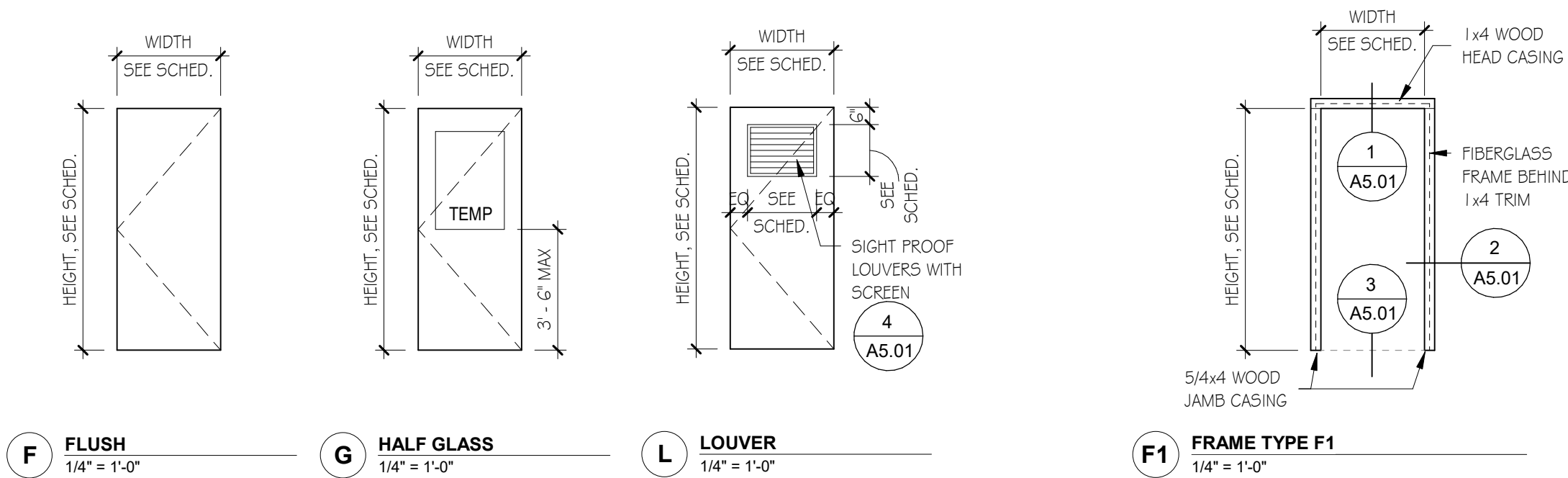
4 DOOR LOUVER DETAIL
Scale: 3" = 1'-0"

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" 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	LUXURY VINYL PLANK	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 T&G PLANKS	
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 T&G PLANKS	
106	Utility Room	SEALED CONCRETE	-	-	-	-	-	5/8" GWB	NO 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 T&G PLANKS	SOLID 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 T&G PLANKS	SOLID 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"	G - HALF GLASS	FIBERGLASS	PREFIN.	FIBERGLASS	PREFIN.	
102	3' - 0"	7' - 0"	1 3/4"	F - FLUSH	WOOD	STAINED	WOOD	STAIN	
103	3' - 0"	7' - 0"	1 3/4"	F - FLUSH	WOOD	STAINED	WOOD	STAIN	
104	3' - 0"	7' - 0"	1 3/4"	F - FLUSH	FIBERGLASS	PREFIN.	FIBERGLASS	PREFIN.	
105	3' - 0"	7' - 0"	1 3/4"	F - FLUSH	FIBERGLASS	PREFIN.	FIBERGLASS	PREFIN.	
106	3' - 0"	7' - 0"	1 3/4"	F - FLUSH	FIBERGLASS	FIELD PTD.	FIBERGLASS	FIELD PTD.	
107	3' - 0"	7' - 0"	1 3/4"	L - FLUSH	FIBERGLASS	PREFIN.	FIBERGLASS	PREFIN.	24"x18" LOUVERS WITH SCREENS
108	3' - 0"	7' - 0"	1 3/4"	L - FLUSH	FIBERGLASS	PREFIN.	FIBERGLASS	PREFIN.	24"x18" LOUVERS WITH SCREENS



DOOR TYPES

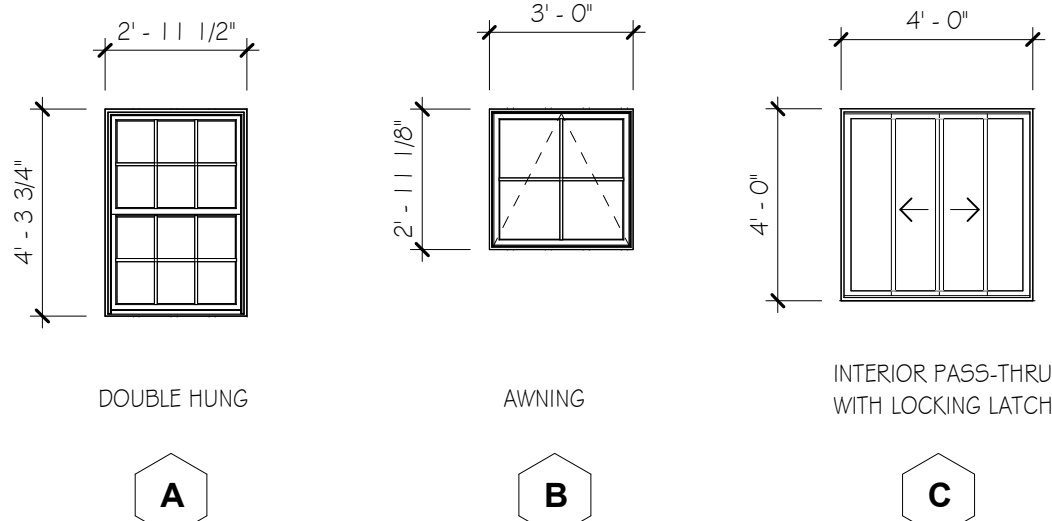
FRAME TYPES

WINDOW SCHEDULE

MARK	WIDTH	HEIGHT	TYPE	MODEL	COMMENTS	COUNT
A	3' - 0 1/2"	4' - 4 1/4"	Elevate Double Hung	ELDH3652		5
B	3' - 1"	2' - 11 5/8"	Elevate Awning	ELAWN3735		2
C	4' - 0"	4' - 0"			PASS-THROUGH WITH SINGLE GLASS	1
D	1' - 9"	3' - 1 7/8"		VS	SKYLIGHT BASIS-OF-DESIGN: VELUX VS-Q04	4

NOTES:

- EXTERIOR WINDOWS TO BE ELEVATE BY MARVIN (BASIS-OF-DESIGN PRODUCT).
- ALUMINUM PASS-THRU INTERIOR WINDOWS WITH SINGLE GLAZING TO BE BY _____ OR APPROVED EQUAL.



WINDOW TYPES

NOTES:

- FRAME SIZES ARE BASED ON MARVIN ELEVATE WINDOWS (BASIS-OF-DESIGN PRODUCT).

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NH STATE PARKS

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SCHEDULES

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A6.01

Project Number: 2136A

File:

GENERAL STRUCTURAL NOTES

THE CONTRACTOR SHALL COORDINATE WORK SHOWN ON THE STRUCTURAL DRAWINGS WITH THOSE OF OTHER TRADES PRIOR TO THE START OF WORK. CONTACT THE ARCHITECT AND ENGINEER IN THE EVENT ANY ERRORS, OMISSIONS, DISCREPANCIES OR CONFLICTS BETWEEN THE TRADES ARE DISCOVERED PRIOR TO PROCEEDING WITH THE WORK TO AVOID UNNECESSARY DELAYS AND/OR CORRECTIVE WORK. BY USING THESE PLANS, THE CONTRACTOR AGREES TO INDEMNIFY, DEFEND, AND HOLD THE ENGINEER HARMLESS FOR ANY AND ALL CLAIMS ARISING OUT OF THE CONTRACTOR'S FAILURE TO FOLLOW THE PLANS AND SPECIFICATIONS, OR THE DESIGN INTENT CONVEYED, OR FOR FAILURE TO OBTAIN AND FOLLOW THE ENGINEER'S GUIDANCE.

NOTES AND DETAILS SHOWN ARE INTENDED TO BE TYPICAL FOR SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, AS-BUILT OR OTHERWISE, PRIOR TO PROCEEDING WITH THE WORK.

THE DRAWINGS ARE INTENDED TO SHOW THE DESIGN CONCEPT AND ARE NOT TO BE USED AS SHOP DRAWINGS. COMMENTS MADE ON THE SHOP DRAWINGS, OR ON OTHER SUBMITTALS, DURING THE REVIEW DO NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. REVIEW IS SPECIFICALLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR: CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING THE FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS OR HER WORK WITH THAT OF ALL OTHER TRADES; AND COMPLETING THE WORK AS SET FORTH IN THE CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING STRUCTURES INCLUDING BUT NOT LIMITED TO: PROHIBITING CRANES OR OTHER HEAVY EQUIPMENT FROM BEING PLACED ON SLABS OR ADJACENT TO FOUNDATIONS WALLS, PROHIBITING THE PLACEMENT OF CONCENTRATED LOADS ON SLABS OR FLOORS, AND PROHIBITING THE MODIFICATION OF STRUCTURAL MEMBERS IN ANY WAY OTHER THAN AS SHOWN ON THE STRUCTURAL DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BRACING AND SHORING REQUIRED TO COMPLETE THE WORK. THIS RESPONSIBILITY INCLUDES RETAINING AN ENGINEER TO DESIGN ALL NECESSARY BRACING, SHORING OR UNDERPINNING FOR EXISTING STRUCTURES.

STRUCTURAL DESIGN CRITERIA

THE STRUCTURAL DESIGN IS BASED ON THE 2018 INTERNATIONAL BUILDING CODE. ALL CONSTRUCTION SHALL COMPLY WITH THIS AND ALL OTHER APPLICABLE CODES AND STANDARDS.

LIVE LOADS:	SLAB-ON-GRADE	100	PSF
SNOW:	GROUND SNOW LOAD (Pg)	90	PSF
	ELEVATION ADJUSTED (Pg)	88	PSF
	FLAT-ROOF SNOW LOAD (Pf)	74	PSF
	SNOW EXPOSURE FACTOR (Ce)	1.0	
	SNOW LOAD IMPORTANCE FACTOR (I)	1.0	
	THERMAL FACTOR (Ci)	1.2	
WIND:	BASIC WIND SPEED (3-SECOND GUST)	90	MPH
	RISK CATEGORY	II	
	WIND EXPOSURE	B	
	INTERNAL PRESSURE COEFFICIENT	0.18	
SEISMIC:	RISK CATEGORY	II	
	SEISMIC IMPORTANCE FACTOR	1.0	
	SHORT PERIOD SPECTRAL RESPONSE ACCEL.	0.232	
	1.0 SECOND SPECTRAL RESPONSE ACCEL.	0.074	
	SITE CLASS D		
	DESIGN SHORT PERIOD SPECTRAL RESP. COEF.	0.248	
	DESIGN 1.0 SECOND SPECTRAL RESP. COEF.	0.119	
	SEISMIC DESIGN CATEGORY	B	
	RESPONSE MODIFICATION FACTOR	6.5	
	SEISMIC BASE SHEAR	0.04W	
	BASIC SEISMIC-FORCE-RESISTING SYSTEM:		
ANALYSIS PROCEDURE:	LIGHT FRAME WALLS WITH SHEAR PANELS		
	EQUIVALENT LATERAL FORCE PROCEDURE		

FOUNDATION NOTES

FOOTINGS AND SLABS HAVE BEEN DESIGNED TO BEAR ON SOILS WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF PER THE GEOTECHNICAL ENGINEERING REPORT BY SW COLE ENGINEERING, INC DATED SEPTEMBER 1, 2023. REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL RECOMMENDATIONS REGARDING SUB-GRADE PREPARATION, FILL AND COMPACTION REQUIREMENTS, DEWATERING, AND TEST PIT INFORMATION.

EXCAVATION, FILL PLACEMENT, AND COMPACTION IS TO BE PERFORMED IN THE DRY AND IN UNFROZEN GROUND. THE CONTRACTOR SHALL PERFORM DEWATERING AS REQUIRED TO MAINTAIN THE GROUNDWATER LEVEL 1 FOOT BELOW THE BOTTOM OF THE EXCAVATION. CONTACT THE ENGINEER IF UNSTABLE, SATURATED OR WEAVING SOILS ARE ENCOUNTERED.

REMOVE ALL DELETERIOUS MATERIALS SUCH AS EXISTING FILL MATERIAL, TOP SOIL, BOULDERS, STUMPS AND OTHER ORGANICS FROM BENEATH NEW SLABS AND FOOTINGS. CARE SHALL BE TAKEN NOT TO DISTURB SOILS BELOW LINES AND GRADES REQUIRED FOR STRUCTURAL FILL PLACEMENT OR FOOTING BEARING.

THE CONTRACTOR SHALL PROTECT FOOTING AND SLAB BEARING SURFACES FROM FREEZING, BOTH BEFORE AND AFTER CONCRETE PLACEMENT. SLABS AND FOOTINGS WHICH MOVE DUE TO FROST ACTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

PRIOR TO FILL PLACEMENT, AND FOOTING CASTING, COMPACT THE EXISTING MATERIAL WITH A VIBRATORY ROLLER OR PLATE COMPACTOR. NOTIFY THE ENGINEER IF NOTICEABLE DEPRESSIONS OR PUMPING OCCURS DURING COMPACTION, OR IF LOOSE SANDS ARE ENCOUNTERED.

THE GEOTECHNICAL ENGINEER WHO PREPARED THE GEOTECHNICAL ENGINEERING REPORT IS TO EXAMINE SUBGRADE PRIOR TO FILL PLACEMENT AND CONCRETE PLACEMENT. THE PLACEMENT, COMPACTION AND TESTING FILL IS TO BE PERFORMED UNDER THE SUPERVISION OF A GEOTECHNICAL ENGINEER OR QUALIFIED SOILS OR GEOTECHNICAL ENGINEERING TECHNICIAN. THE FREQUENCY OF COMPACTION TESTING IS TO BE DETERMINED BY THE GEOTECHNICAL ENGINEER. SUBMIT COMPACTION TEST RESULTS TO THE ARCHITECT AND ENGINEER PRIOR TO CONCRETE PLACEMENT.

FILL REQUIRED BELOW FOOTINGS SHALL BE CRUSHED GRAVEL MEETING THE REQUIREMENTS OF NHDOT SPECIFICATIONS ITEM NUMBER 304.3 MODIFIED CRUSHED GRAVEL. PLACE AND COMPACT MATERIAL IN 3 TO 6-INCH LOOSE LIFTS, DEPENDING ON EQUIPMENT USED FOR COMPACTION. COMPACT MATERIAL TO 95% DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 1557 METHOD C.

FOOTINGS ARE TO BE CENTERED UNDER WALLS AND COLUMNS UNLESS NOTED OTHERWISE.

FOUNDATION WALLS SHALL BE BACKFILLED SUCH THAT THE TOP OF FILL DOES NOT VARY BY MORE THAN 16-INCHES FROM ONE SIDE TO THE OTHER. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PREVENT MOVEMENT OF FOUNDATION WALLS WHILE BACKFILLING.

CONCRETE AND REINFORCING STEEL NOTES

ALL CONCRETE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" EXCEPT AS MODIFIED BY THE PROJECT SPECIFICATIONS.

CONCRETE DESIGN MIXES SHALL BE PREPARED IN ACCORDANCE WITH ACI 211. ACI 318, THE PROJECT SPECIFICATIONS AND SHALL HAVE THE FOLLOWING STRENGTHS AND PROPERTIES:

LOCATION	STRENGTH AT 28 DAYS (f'c)			
CONCRETE SLABS	3500	PSI		
ALL OTHER CONCRETE	3000	PSI		
(f'c) CEMENT/YD	MAX W/C RATIO BY WT.		MAX SLUMP	
3500 PSI	564	POUNDS	0.48	5"
3000 PSI	517	POUNDS	0.55	5"

CONCRETE FOR WALLS AND EXTERIOR SLABS SHALL BE AIR ENTRAINED TO 6±1%.

THE CONCRETE MIX DESIGN SHALL BE BASED ON THE SLUMP AND THE W/C RATIO'S GIVEN ABOVE. PROVIDE WATER REDUCING ADMIXTURE AS REQUIRED.

REINFORCING STEEL SHALL CONFORM TO ASTM A 615 GRADE 60 SPECIFICATIONS, FABRICATED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE OF THE CONCRETE REINFORCING STEEL INSTITUTE AND PLACED IN ACCORDANCE WITH A.C.I. 315 AND A.C.I. MANUAL OF STANDARD PRACTICE.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 GRADE 65 AND BE FURNISHED IN FLAT SHEETS, LAP ALL W.W.F. EDGES TWO SQUARES.

SUPPORT W.W.F. USING UPPER TYPE CONTINUOUS HIGH CHAIRS AT 3 FEET ON-CENTER TO MAINTAIN THE W.W.F. AT THE CENTER OF THE SLAB, UNLESS SHOWN OTHERWISE.

MAINTAIN THE FOLLOWING CONCRETE COVER OVER REINFORCING UNO:
CONCRETE CAST AGAINST EARTH 3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER 2"
COLUMNS AND BEAMS NOT EXPOSED TO EARTH OR WEATHER 1 1/2"
SLABS AND WALLS NOT EXPOSED TO EARTH OR WEATHER 3/4"

PROVIDE CORNER BARS TO MATCH SIZE AND SPACING OF ALL DISCONTINUOUS REINFORCING IN WALLS AND FOOTINGS.

ALL HOOK BARS SHALL HAVE STANDARD 90 DEGREE HOOKS WITH MAXIMUM EMBEDMENT UNLESS NOTED OTHERWISE.

REINFORCING SHALL BE SPLICED AND EMBEDDED AS FOLLOWS:

BAR SIZE	SPLICE LENGTH	STRAIGHT BAR EMBEDMENT LENGTH
#3	1'-6"	1'-0"
#4	2'-0"	1'-4"
#5	2'-6"	1'-6"

PRECAUTIONS FOR CONCRETE PLACEMENT DURING COLD WEATHER

WHEN THE AVERAGE OF THE HIGHEST AND LOWEST AMBIENT TEMPERATURE IS EXPECTED TO BE BELOW 40 DEGREES F FOR MORE THAN THREE SUCCESSIVE DAYS, PRECAUTIONS AS RECOMMENDED IN ACI 306 "COLD WEATHER CONCRETING" SHALL BE TAKEN TO PREVENT CONCRETE FREEZING. THE FOLLOWING IS BASED ON ACI 306:

ADDITIONAL MIX REQUIREMENTS
-ALL CONCRETE FOR FOOTINGS AND WALLS IS TO BE AIR ENTRAINED.
-ALL CONCRETE IS TO CONTAIN A SET ACCELERATING ADMIXTURE, SUCH AS POLARSET.
-MINIMUM CONCRETE TEMPERATURE WHEN PLACED IS 55 DEGREES F.
-MAXIMUM CONCRETE TEMPERATURE WHEN PLACE IS 75 DEGREES F.

SUBGRADE REQUIREMENTS
-MINIMUM TEMPERATURE OF SUB-GRADE FOR PLACEMENT OF FOOTING AND SLAB CONCRETE IS 35 DEGREES F.
-DO NOT ALLOW FROST TO OCCUR IN FOOTING AND SLAB SUBGRADE.
-SUBGRADE WHICH IS ALLOWED TO FREEZE SHALL BE RE-COMPACTED AFTER IT THAWS.

THERMAL PROTECTION REQUIREMENTS
-THE CONCRETE PLACED SHALL BE THERMALLY PROTECTED AS INDICATED BELOW SUCH THAT THE CONCRETE SURFACE TEMPERATURE IS MAINTAINED AT A MINIMUM OF 50 DEGREES F.
-MAINTAIN PROTECTION FOR A PERIOD OF NOT LESS THAN 4 DAYS.
-MEASURE AND RECORD THE SURFACE TEMPERATURE OF THE CONCRETE AT LEAST TWICE A DAY FOR THE DURATION OF THE PROTECTION PERIOD.
-MAINTAIN PROTECTION SUCH THAT OUTSIDE AIR DOES NOT PENETRATE THE THERMAL PROTECTION.
-MAXIMUM DROP IN CONCRETE SURFACE TEMPERATURE AFTER THE REQUIRED PROTECTION PERIOD WITHIN 24 HOURS SHALL BE 40 DEGREES F.

INSULATION REQUIREMENTS DURING PROTECTION PERIOD (IN ADDITION TO R-VALUE OF FORMS:

IF THE AVERAGE EXPECTED AMBIENT TEMPERATURE IS:	USE PROTECTION WHICH PROVIDES A MINIMUM R-VALUE OF:
30 TO 40 DEGREES F	4
20 TO 29 DEGREES F	6
10 TO 19 DEGREES F	8

-PLACE INSULATION IN DIRECT CONTACT WITH CONCRETE AND FORMS.
-PROVIDE A HEATED ENCLOSURE FOR AMBIENT TEMPERATURES BELOW 10 DEGREES F.

SLABS-ON-GRADE
-A HEATED SPACE WILL BE NECESSARY.
-MAINTAIN THE CONCRETE SURFACE TEMPERATURE AT A MINIMUM OF 55 DEGREES.
-COVER SLAB WITH PLASTIC OR THERMAL BLANKETS TO PREVENT RAPID DRYING OR EXPOSURE TO HEATER EXHAUST FUMES.

SUBMITTALS AND OBSERVATIONS

SHOP DRAWINGS AND SUBMITTALS SHALL BE PREPARED IN ACCORDANCE WITH THE APPLICABLE INDUSTRY STANDARD.

THE CONTRACTOR ASSUMES FULL RESPONSIBILITY TO VERIFY THAT ALL REQUIRED SHOP DRAWINGS AND OTHER SUBMITTALS HAVE BEEN REVIEWED PRIOR TO THE START OF WORK.

THE FOLLOWING IS A LIST OF SUBMITTALS REQUIRED:

FILL MATERIALS
GRADATION TEST FOR EACH FILL TYPE AND SOURCE

CONCRETE MIXES
MIX DESIGNS AND SUBSTANTIATING DATA
MANUFACTURER'S TECHNICAL DATA FOR ADMIXTURES AND GROUT

REINFORCING STEEL
PLACING DRAWINGS

SHOP-FABRICATED WOOD TRUSSES
REFER TO SPECIFICATIONS

IN ADDITION TO THE TESTING AND INSPECTION REQUIREMENTS IN THE SPECIFICATIONS, THE CONTRACTOR IS TO COORDINATE THE ENGINEER'S OBSERVATION OF CONSTRUCTION AFTER COMPLETION OF ROUGH FRAMING.

WOOD FRAMING NOTES

WOOD FRAME CONSTRUCTION SHALL COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE. FOLLOW THE FASTENING SCHEDULE IN TABLE 2304.10.1 UNLESS NOTED OTHERWISE.

DIMENSIONED LUMBER SHALL CONFORM TO THE LATEST EDITION OF N.F.P.A. "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" AND ITS SUPPLEMENTS. PROVIDE SPRUCE-PINE-FIR NORTH, NO. 2 GRADE OR BETTER.

EACH PIECE OF LUMBER SHALL BEAR THE GRADE MARK OF A RECOGNIZED AGENCY OR INDEPENDENT INSPECTION SERVICE CERTIFIED BY THE BOARD OF REVIEW, AMERICAN LUMBER STANDARDS COMMITTEE. GRADE MARK TO INDICATED SPECIES, GRADE, AND MANUFACTURER'S NUMBER.

PRESSURE TREATED LUMBER SHALL BE SOUTHERN PINE NO. 2 GRADE EXCEPT BEAMS AND POSTS SHALL BE NO. 1 GRADE, AWWA UC4A. PRESSURE TREAT WITH ACQ-A OR ACQ-D (NO AMMONIA) WITH A MINIMUM RETENTION OF 0.40 POUNDS PER CUBIC-FOOT IN ACCORDANCE WITH AWWA STANDARD C2/C9. JOBSITE FABRICATION CUTS AND BORINGS SHOULD BE FIELD TREATED WITH COPPER NAPHTHENATE HAVING A MINIMUM 2% METALLIC SOLUTION IN ACCORDANCE WITH AWWA STANDARD M4.

SHEATHING SHALL BE DOUGLAS FIR PLYWOOD COMPLYING WITH VOLUNTARY PRODUCT STANDARD PS 2 "PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL USE PANELS" AND AS FOLLOWS:

WALLS: 2" ZIP-R PANELS BY HUBER.
1/2" MINIMUM APA 32/16 RATED PLYWOOD SHEATHING, EXTERIOR GRADE WHERE SHOWN;

ROOF: 19/32" MINIMUM APA 40/20 RATED SHEATHING, 5 PLY, EXTERIOR;
OR 5/8" T&G ADVANTECH OR ZIP PANELS BY HUBER.

ROOF SHEATHING IS TO BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO THE SUPPORTS AND CONTINUOUS OVER THREE SPANS. PROVIDE A 1/8" GAP AT THE ENDS AND EDGES OF ALL PANELS. HORIZONTAL JOINTS IN WALL SHEATHING ARE TO BE BLOCKED AND NAILED.

NAIL ZIP-R SHEATHING PANEL EDGES WITH 0.131" DIA. X 3 1/2" NAILS @ 3" O.C.
NAIL INTERIOR OF PANELS WITH 0.131" DIA. X 3 1/2" NAILS @ 12" O.C.
ALL EDGES BLOCKED AND NAILED.

NAIL ALL SHEATHING PANEL EDGES WITH 8d NAILS @ 6" O.C. UNO. NAIL INTERIOR AREA OF SHEATHING PANELS WITH 8d NAILS @ 12" O.C. UNO. REFER TO SECTIONS AND DETAILS FOR ADDITIONAL NAILING REQUIREMENTS.

NAILS SHALL MEET THE REQUIREMENTS OF ASTM F 1667 AND AS FOLLOWS:
8D NAILS 0.131" DIA X 2 1/2"
10D NAILS 0.148" DIA X 3"
16D NAILS 0.162" DIA X 3 1/2"

PNEUMATICALLY DRIVEN NAILS SHALL BE FULL HEAD NAILS AS MANUFACTURED BY SENCO OR STANLEY-BOSCH, OR EQUIVALENT. NAILS IN CONTACT WITH PRESSURE-TREATED WOOD (SUCH AS SILL PLATE) SHALL BE HOT DIP GALVANIZED, ZMAX COATED OR STAINLESS STEEL. CLIPPED HEAD NAILS SHALL NOT BE USED. NAILS SHALL BE DRIVEN FLUSH WITH SURFACE, OVERDRIVEN NAILS SHALL BE REPLACED.

WOOD CONNECTOR DESIGN IS BASED ON SIMPSON STRONG-TIE COMPANY PRODUCTS. SUBSTITUTION SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE. ALL CONNECTORS AND FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT DIP GALVANIZED, STAINLESS STEEL, OR Z-MAX COATED.

STEEL FOR BOLTS, NUTS, WASHERS, BRIDGING, METAL CONNECTORS, AND LAG BOLTS TO CONFORM TO ASTM A 307. HOT-DIP GALVANIZE ALL EXPOSED STEEL AND STEEL IN CONTACT WITH PRESSURE TREATED WOOD IN ACCORDANCE WITH ASTM A 123.

THROUGH BOLTS SHALL BE INSERTED IN PRE-DRILLED HOLES WITH DIAMETER EQUAL TO THE BOLT DIAMETER PLUS 1/16". LAG BOLTS GREATER THAN 3/8" DIAMETER SHALL BE SCREWED INTO PRE-DRILLED LEAD HOLES WITH DIAMETER EQUAL TO ONE-HALF THE LAG BOLT DIAMETER.

NO BEAMS, HEADERS, JOISTS, OR STUDS SHALL BE CUT, NOTCHED, OR BORED TO CLEAR PIPES, WIRE, CONDUIT, OR FOR OTHER PURPOSE WITHOUT REVIEW BY THE ENGINEER. NOTCHING OR BIRDSMOUTH IN MEMBERS IS NOT PERMITTED UNLESS NOTED OTHERWISE.

SHOP-FABRICATED WOOD TRUSS NOTES

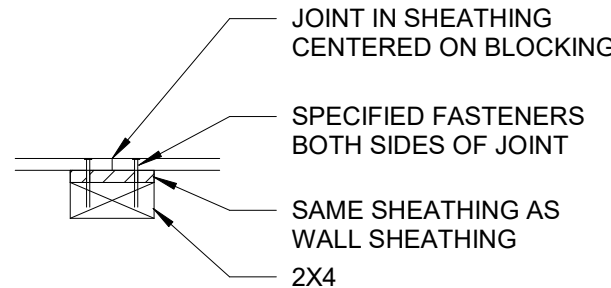
DESIGN TRUSSES FOR THE FOLLOWING MINIMUM LOADS AND DEFLECTION:

UNIFORM SNOW LOAD:	74 PSF
UNBALANCED SNOW LOAD:	PER ASCE 7
TOP CHORD DEAD LOAD:	10 PSF
BOTTOM CHORD DEAD LOAD:	10 PSF
WIND LOAD:	PER PER ASCE 7 WITH A MAXIMUM RESISTING DEAD LOAD OF 10 PSF
DEFLECTION LIMITATION:	L/360

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

ABBREVIATIONS AND LEGEND

ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ASTM	ASTM INTERNATIONAL
BF	BIG FOOT STYLE FOOTING
BOT	BOTTOM
BP	BASE PLATE
BRP	BEARING PLATE
BRG	BEARING
CMU	CONCRETE MASONRY UNIT(S)
CONT	CONTINUOUS
CT	CONTRACTION JOINT
DIA	DIAMETER
EA	EACH
ELEV	ELEVATION
EW	EACH WAY
FD	FLOOR DRAIN
FF	FINISH FLOOR
FTG	FOOTING
GALV	GALVANIZED(D)
HDG	HOT DIP GALVANIZE(D)
HORIZ	HORIZONTAL
IBC	INTERNATIONAL BUILDING CODE
NA	NEUTRAL AXIS
NTS	NOT DRAWN TO SCALE
OC	ON CENTER
REINF	REINFORCE(D)(ING)
REQD	REQUIRED
SDI	STEEL DECK INSTITUTE
SECT	SECTION
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SS	STAINLESS STEEL
STL	STEEL
TOC	TOP OF CONCRETE
TOCP	TOP OF CONCRETE PIER
TOCW	TOP OF CONCRETE WALL
TOS	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN THE FIELD
VL	BOISE VERSALAM
W/	WITH
WWF	WELDED WIRE FABRIC
#	SIZE OF REINFORCING BAR
@	AT
()	INDICATES QUANTITY
○	INDICATES DRAWING NOTE KEYED TO PLAN

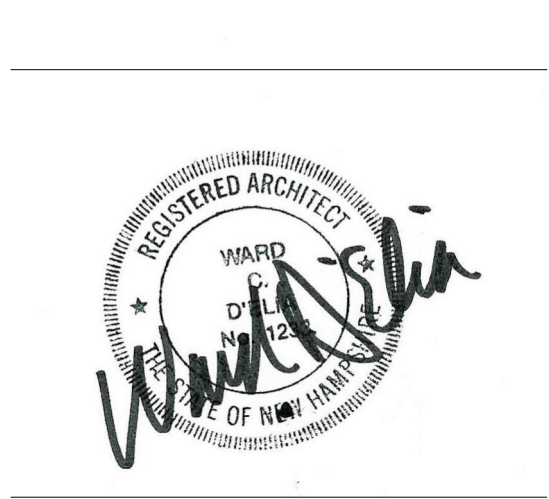


SHEATHING BLOCKING DETAIL

1 1/2" = 1'-0"

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NH STATE PARKS

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

Issue

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Graphic Scale

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Scale: As indicated

Date: May 8, 2024

Drawn By: MR

Checked By: JF

Issues:

No.	Description	Date

Title

STRUCTURAL NOTES

Sheet Number:

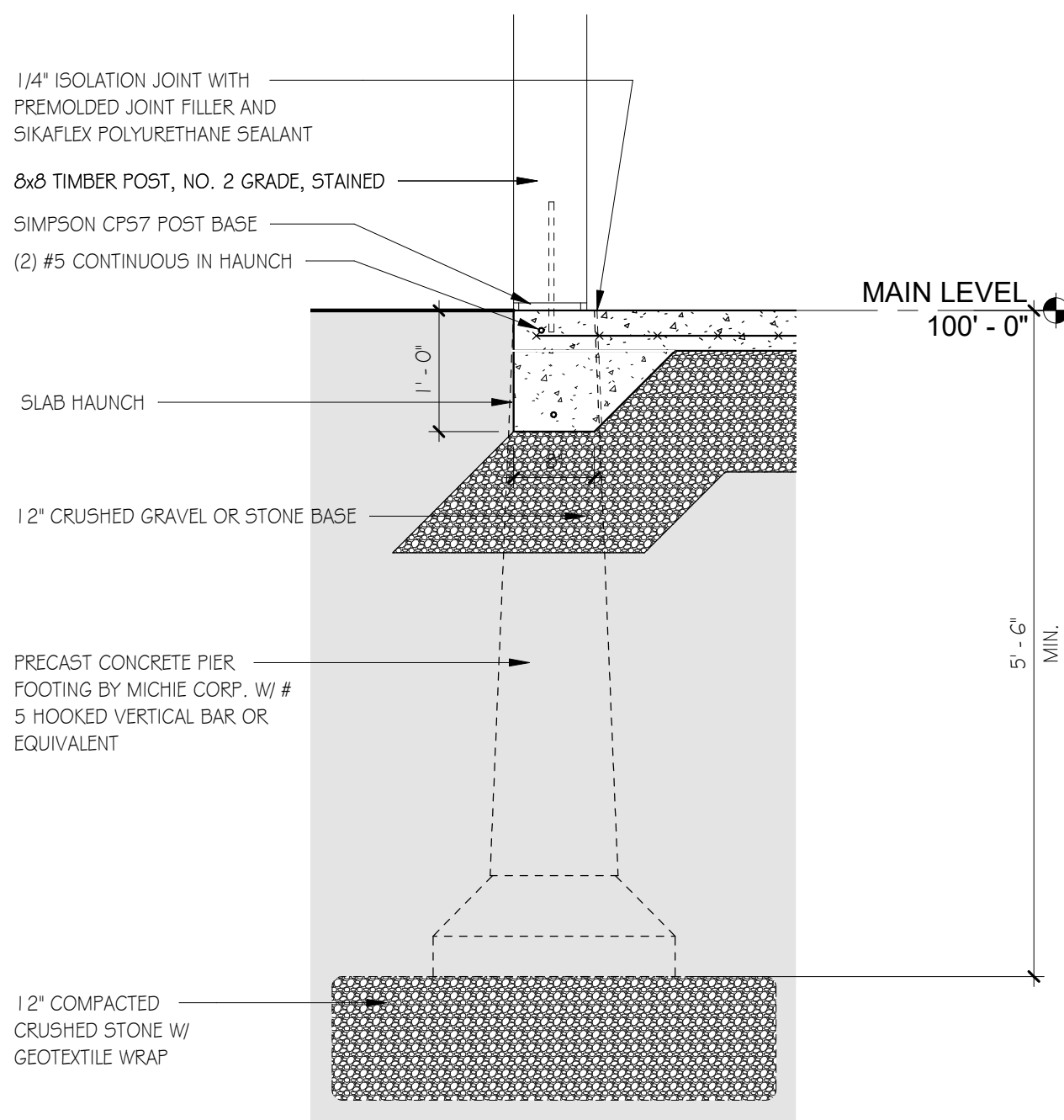
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Project Number: 2136A

File:

6 CORNER REINFORCING DETAIL

Scale: N.T.S.

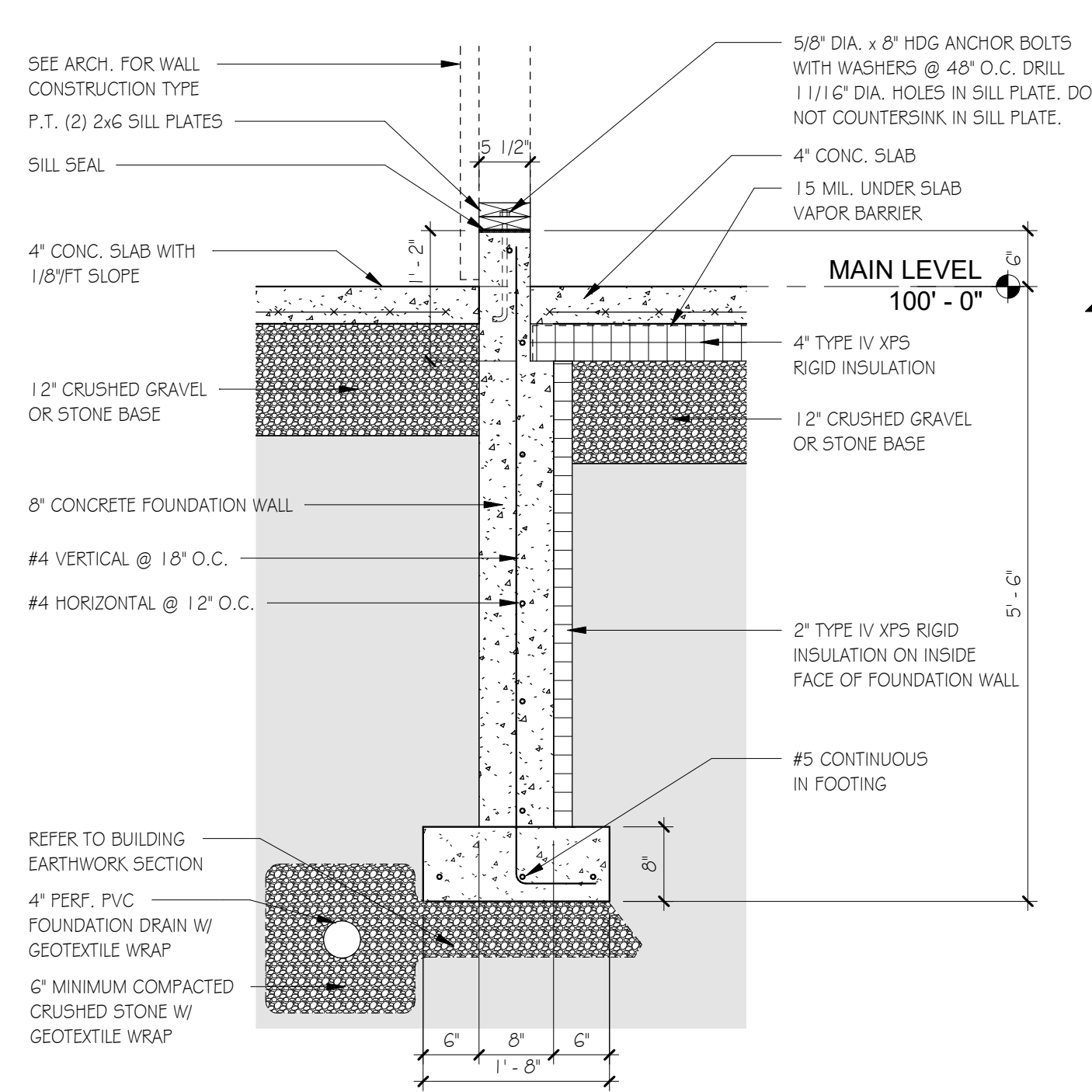


3 SLAB EDGE DETAIL

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

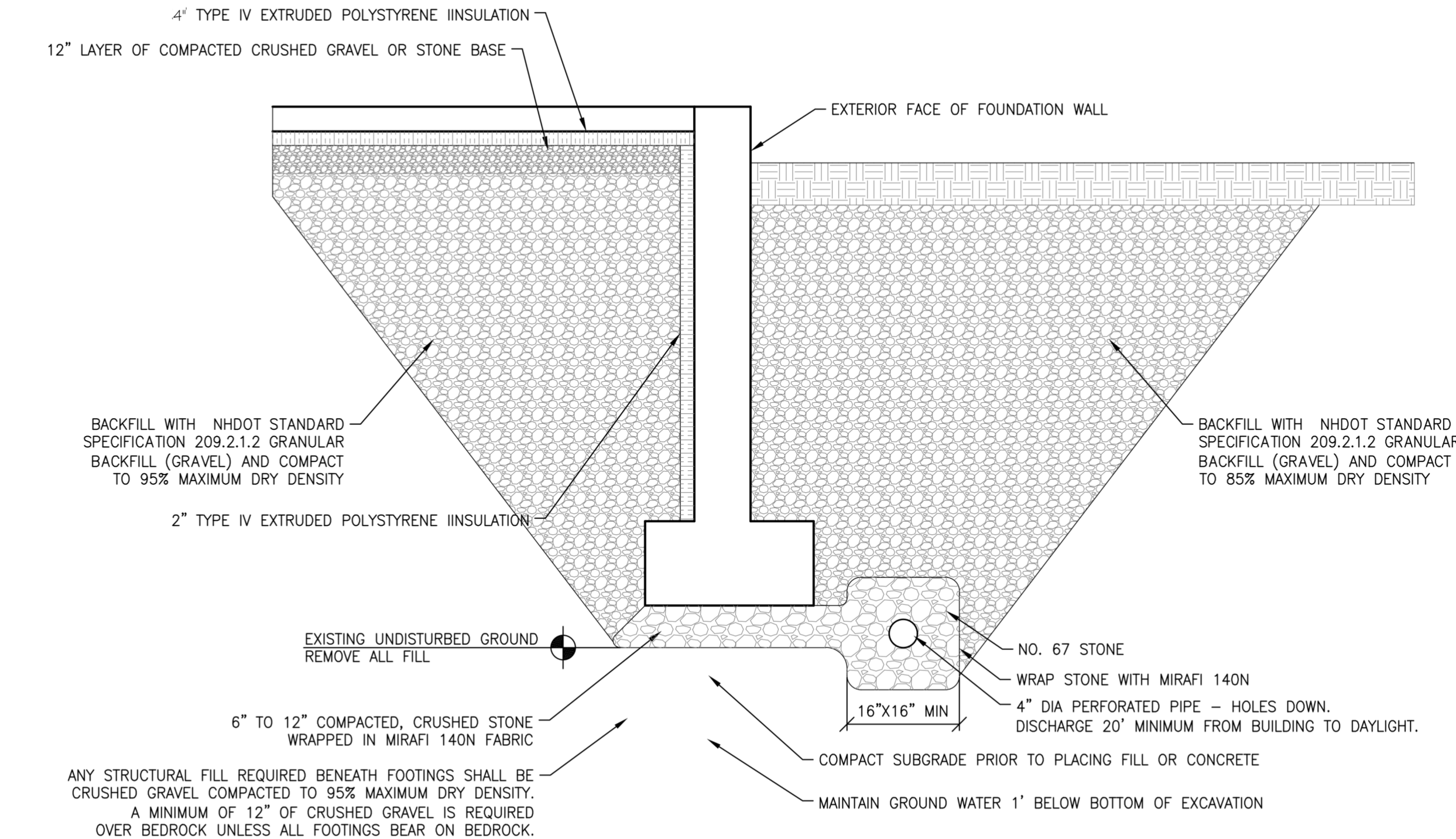
5 CONCRETE SLAB-ON-GRADE DETAIL

Scale: N.T.S.



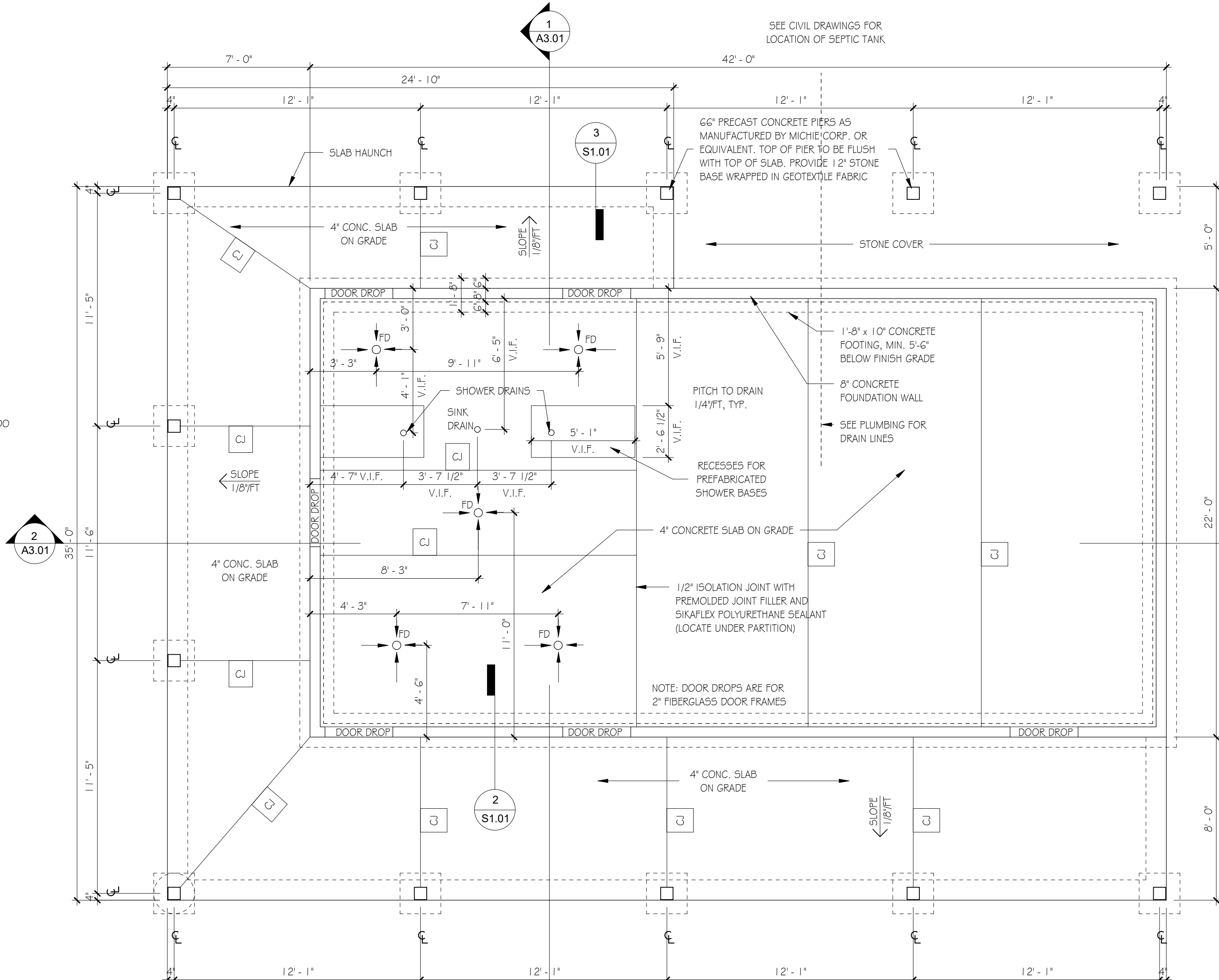
2 TYPICAL FOUNDATION DETAIL

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



4 BUILDING EARTHWORK SECTION

Scale: N.T.S.



1 FOUNDATION PLAN

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

NOTE: VERIFY DRAIN LOCATIONS WITH PLUMBING MANUFACTURER SPECIFICATIONS

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Title

FOUNDATION PLAN AND
DETAILS

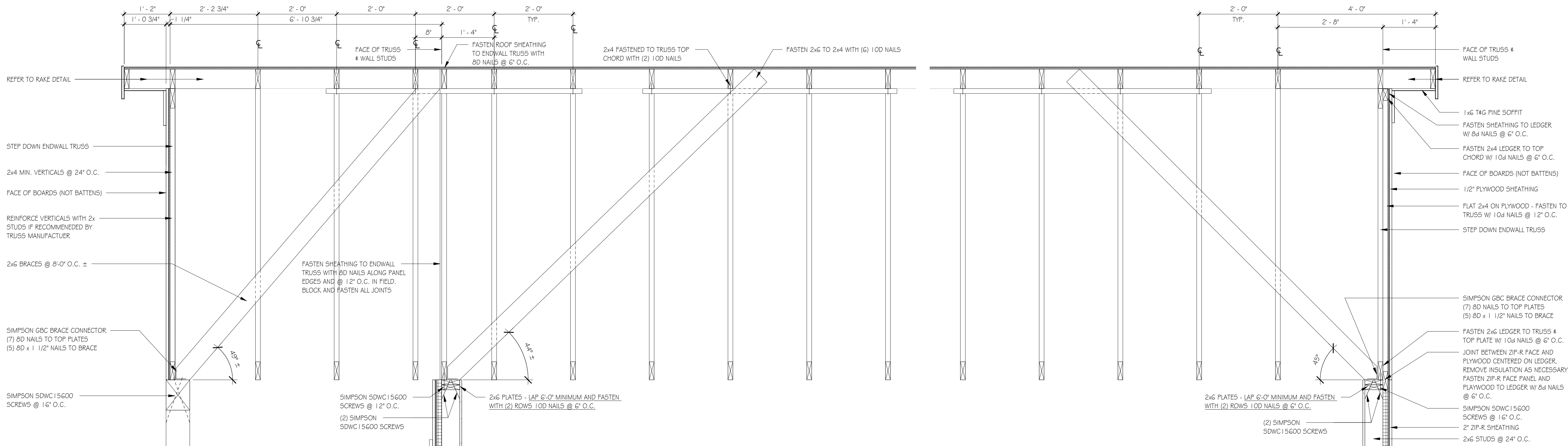
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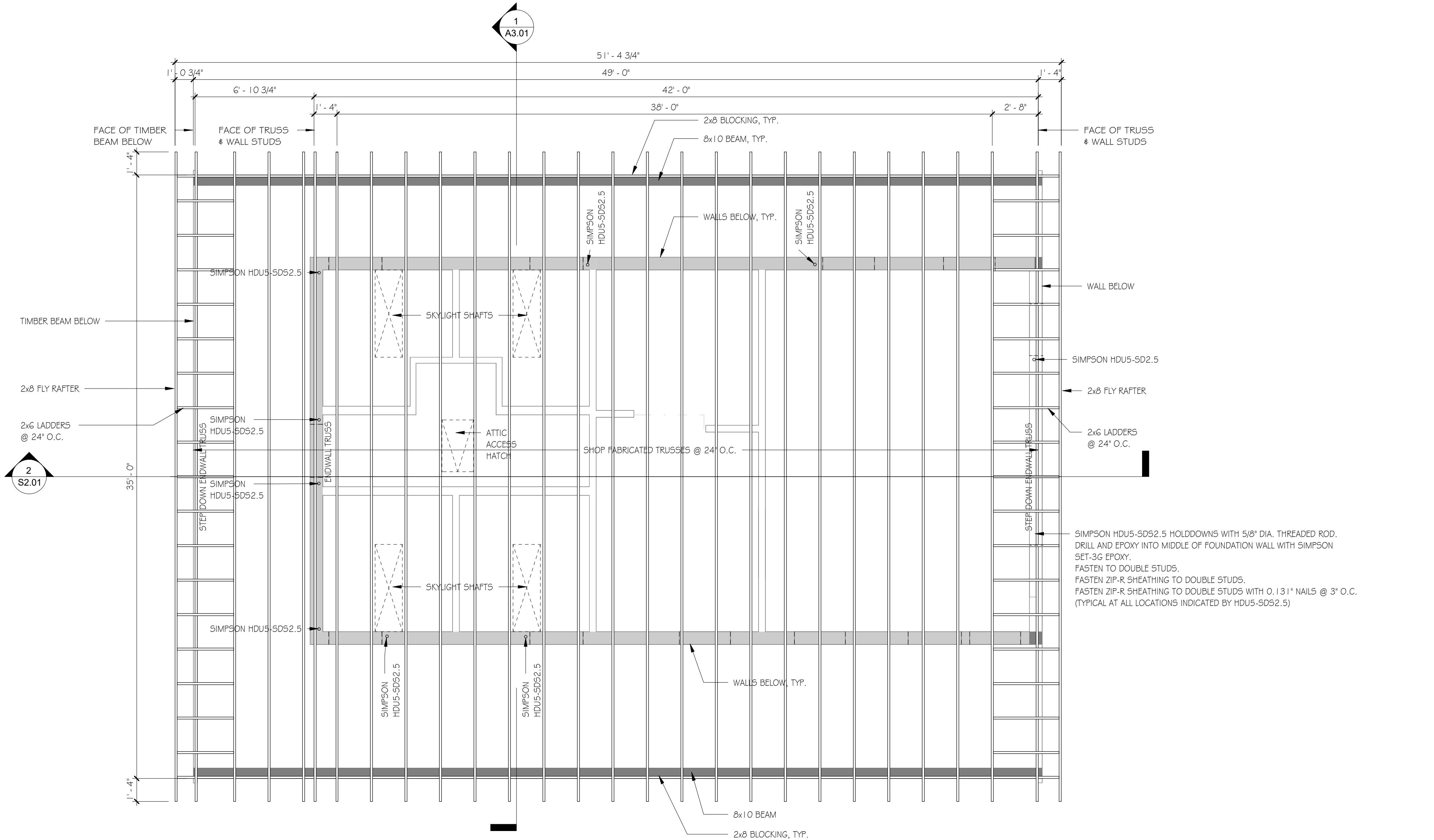
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2 ROOF FRAMING SECTION
Scale: 3/4" = 1'-0"



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

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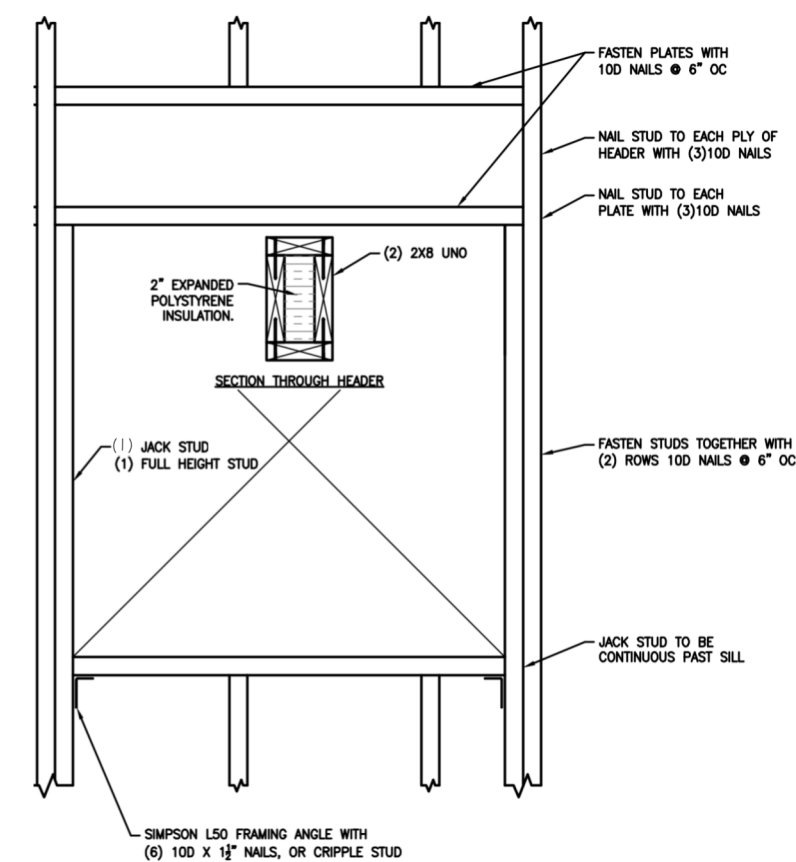
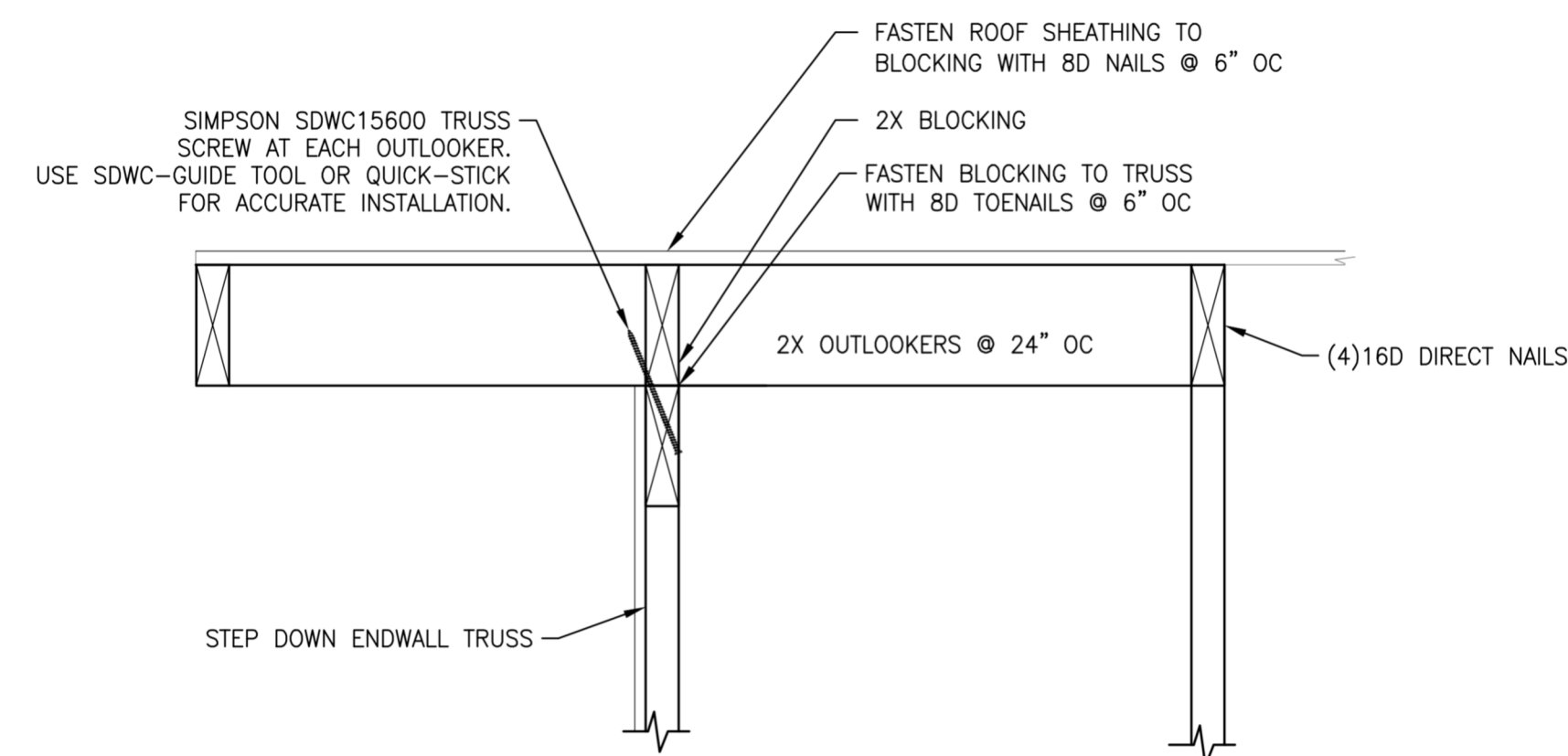
ROOF FRAMING PLAN AND
ROOF FRAMING SECTION

Sheet Number:

S2.01

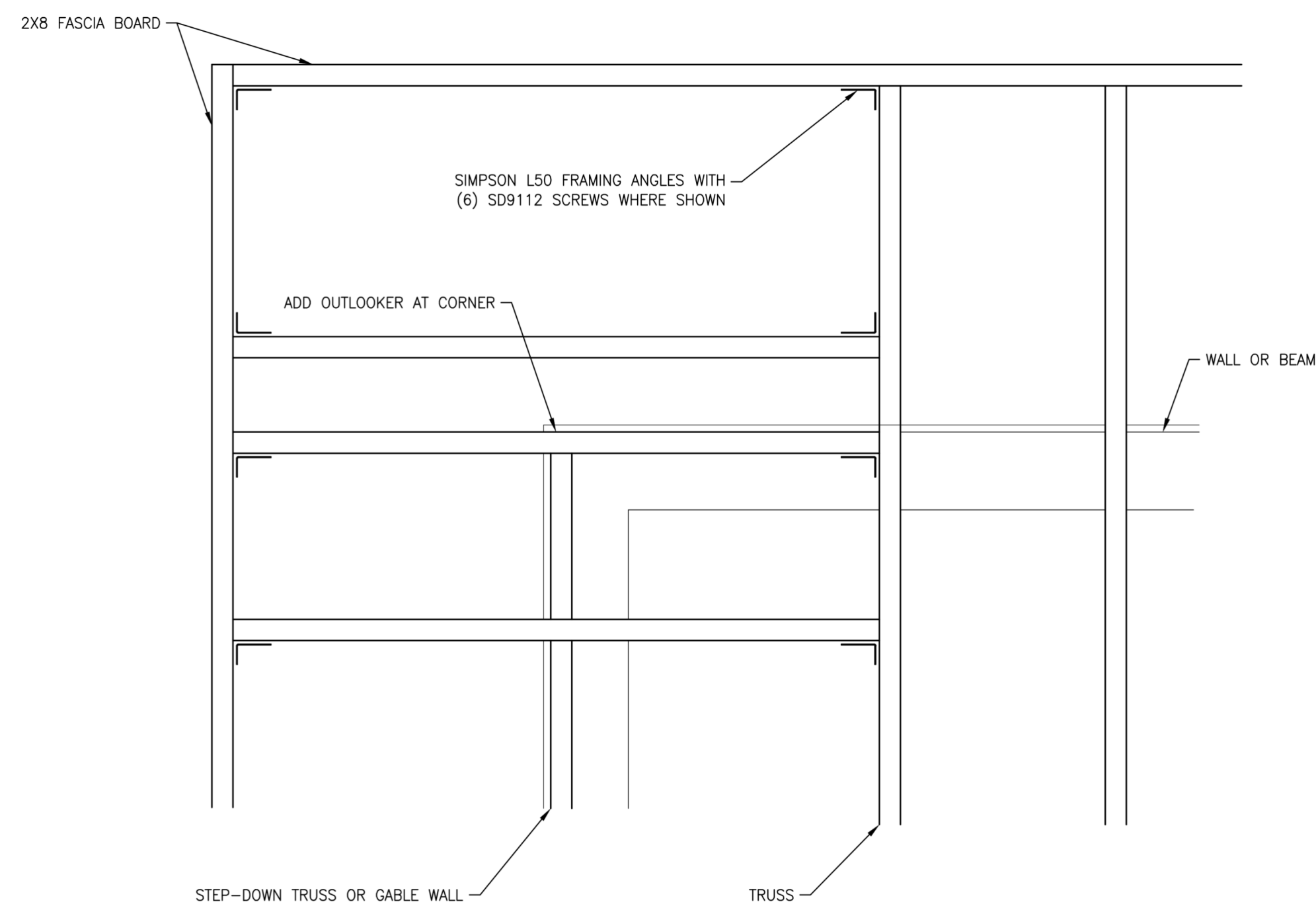
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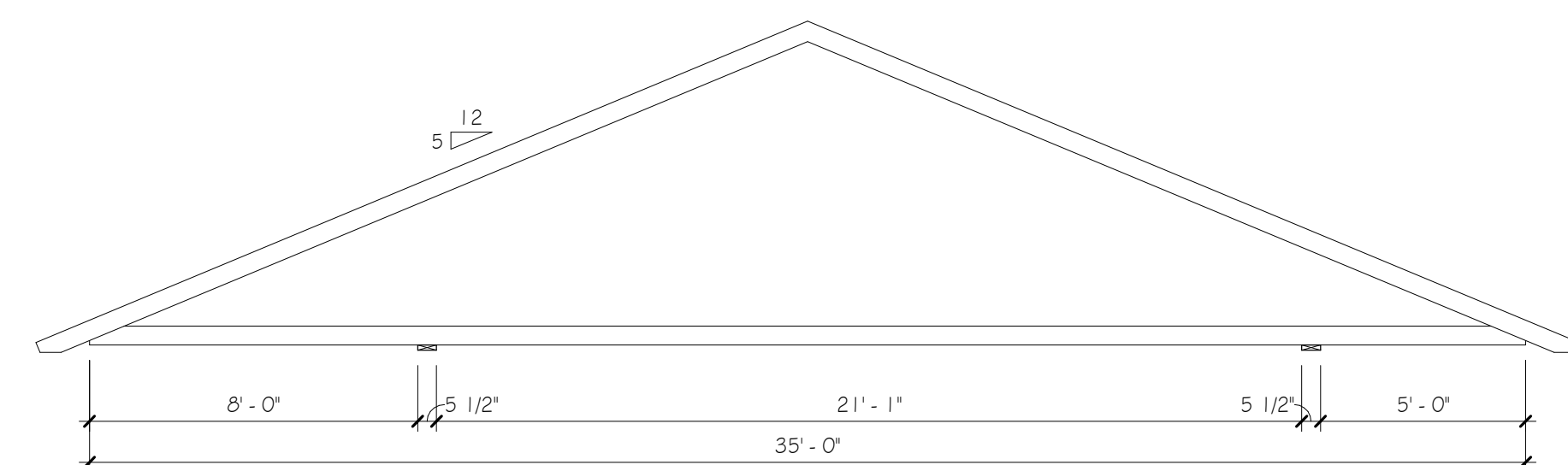
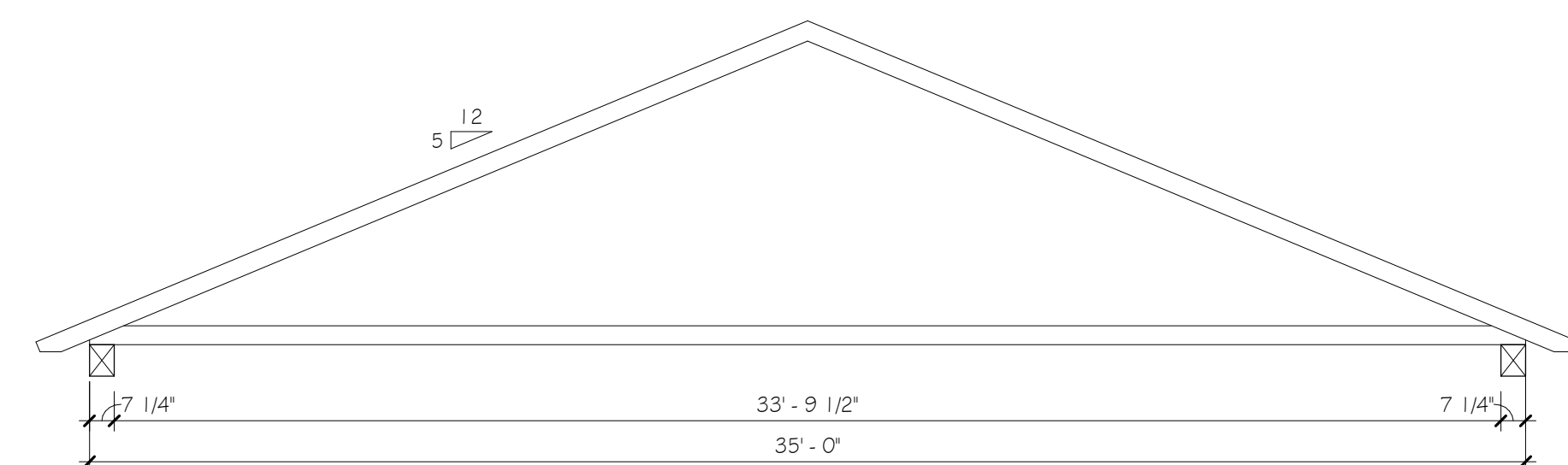
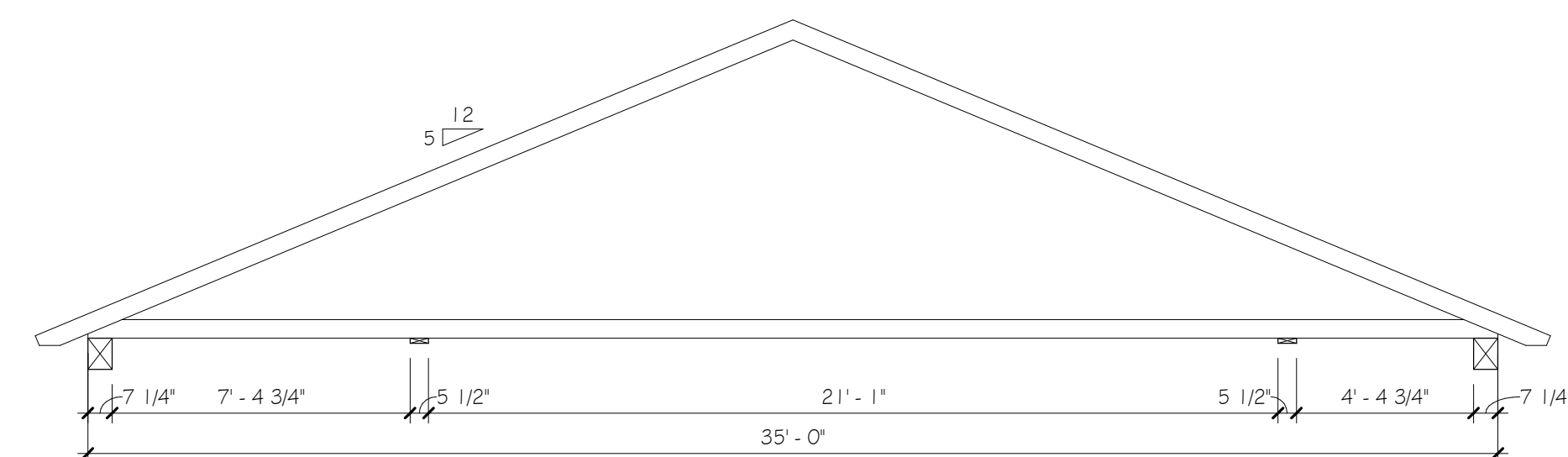


4 RAKE DETAIL
Scale: 1 1/2"=1'-0"

2 TYPICAL DOOR/WINDOW OPENING/HEADER DETAILS



3 TYPICAL DETAILS AT ROOF CORNERS



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. ENDWALL TRUSS CONFIGURATION TO WORK AROUND LOUVER.

1 TRUSS DIAGRAMS



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TRUSS DIAGRAMS AND DETAILS

Sheet Number:

S3.01

Project Number: 2136A

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 ACHITECT/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

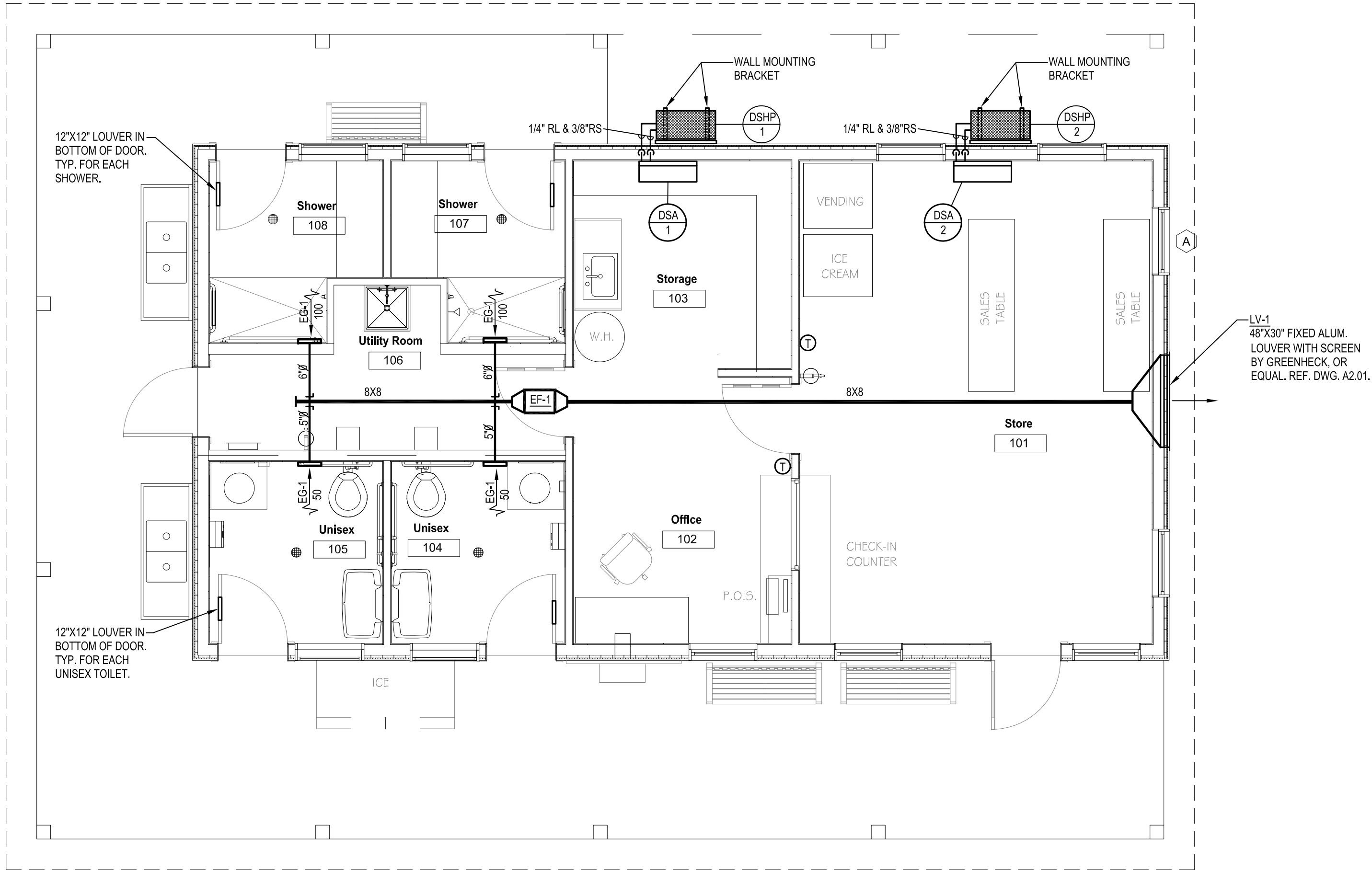
- A. ALL EXTERIOR OPENINGS TO BE PROPERLY CAULKED AND SEALED WITH A SEALANT OF HIGH QUALITY AND LONG LIFE, TO PREVENT INFILTRATION OF OUTSIDE AIR INTO CONDITIONED SPACE.
- B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.
- C. THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAM-MATIC AND ARE BASED ON ONE MANUFACTURE'S EQUIP-MENT. 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 EQUIP-MENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.

8. TESTING AND BALANCING

- A. THE HVAC SYSTEM SHALL BE TESTED AND AND BALANC-ED BY AN INDEPENDENT AGENCY, UNDER THE SUPER-VISION OF A LICENSED PROFESSIONAL ENGINEER. A SEALED TYPE WRITTEN REPORT SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL.

9. GUARANTEE

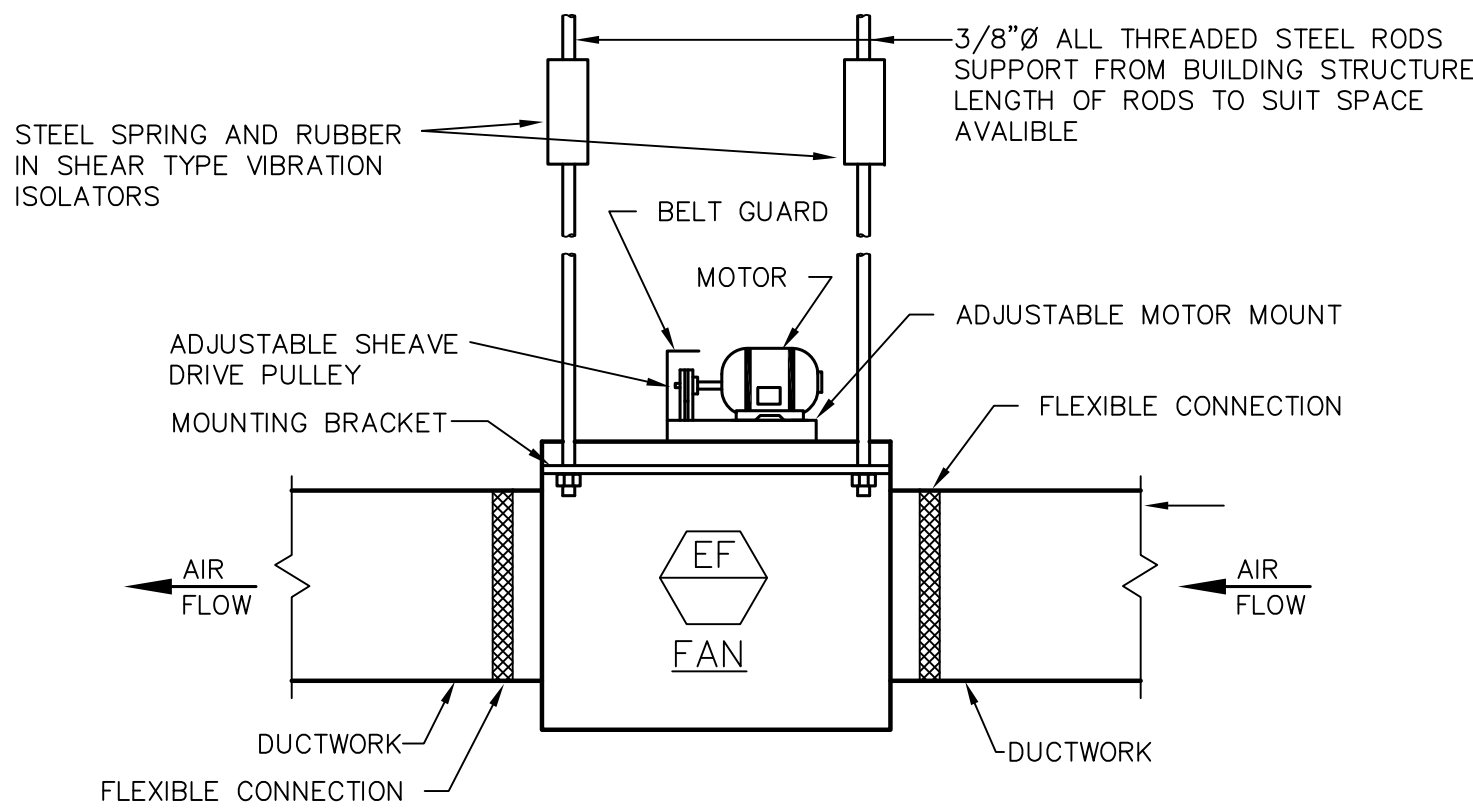
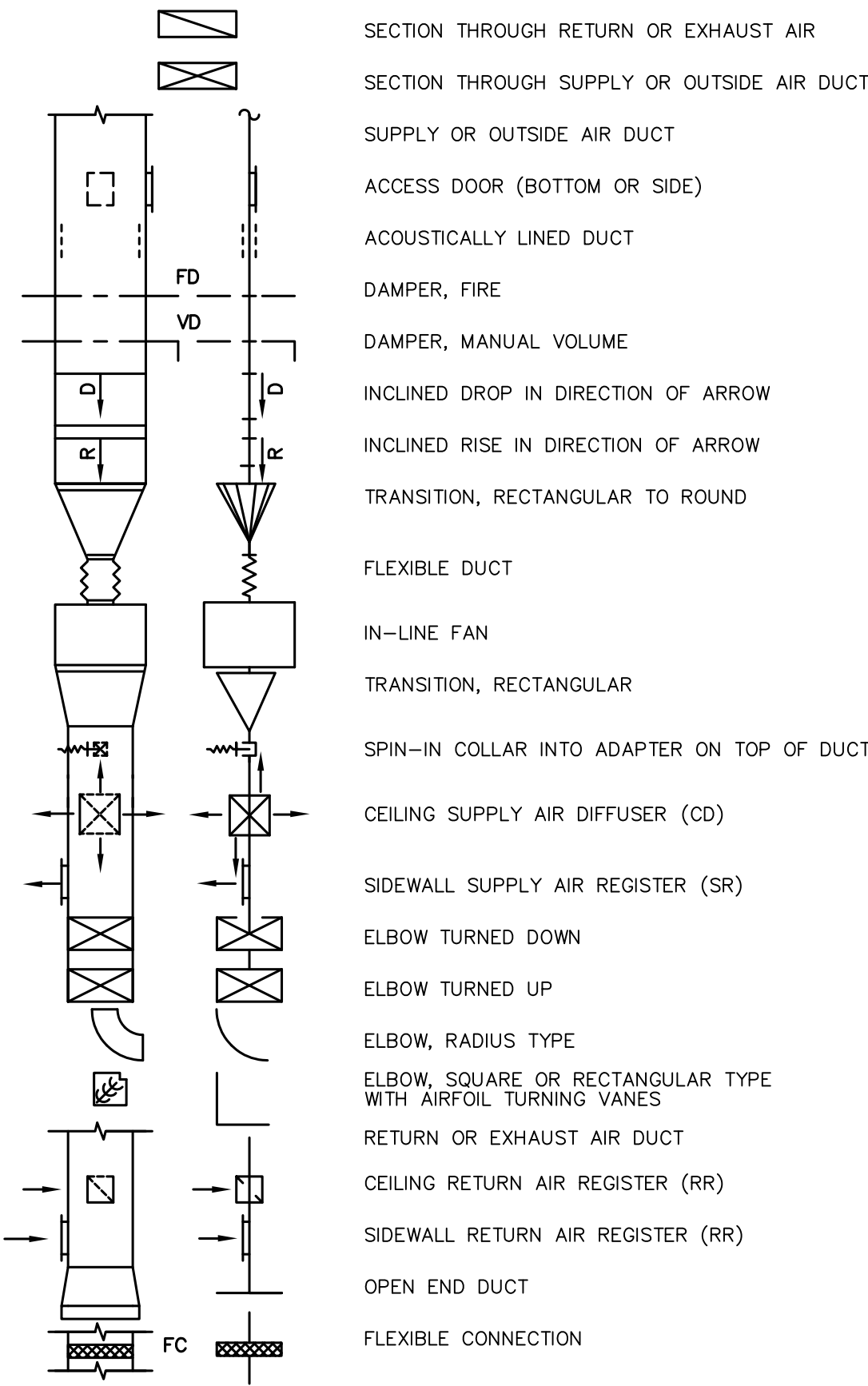
- A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE(1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.
- B. FOR THE SAME PERIOD, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.



MECHANICAL PLAN

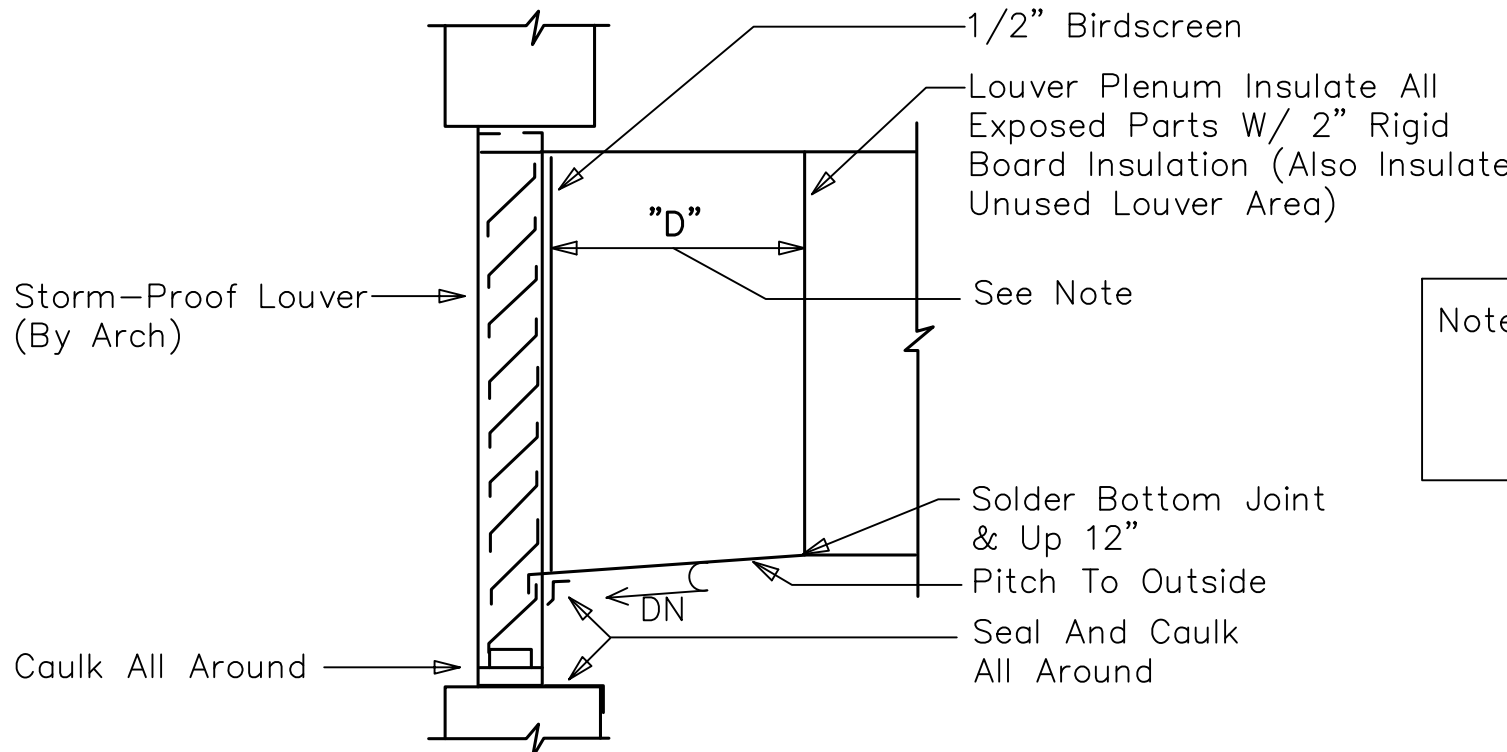
SCALE: 1/4" = 1'-0"

DUCTWORK SYMBOLS



CENTRIFUGAL IN-LINE FAN DETAIL

N.T.S.



LOUVER CONNECTION DETAIL

NOT TO SCALE

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

DUCTLESS SPLIT AIR CONDITIONING SYSTEM SCHEDULE

INDOOR UNIT	OUTDOOR UNIT	COOLING CAPACITY (BTU/HR.)	HEATING CAPACITY (BTU/HR.)	CFM	STATIC PRESS. (IN. W.G.)	SEER-COP (EFFICIENCY)	REFRIGERANT PIPING		ELECTRICAL		MANUFACTURER & MODEL	OPTIONS-ACCESSORIES	
							LIQUID	SUCTION	MCA	MAX FUSE			VOLT.-PH.-CY.
	DSHP-1	12,000	13,500			19-3.6	1/4"	3/8"	11	15	240/1/60	MITSUBISHI MODEL PUZ-A12NKA7	• CONDENSATE PUMP
DSA-1		12,000	13,500	340			1/4"	3/8"	1.1	15	240/1/60	MITSUBISHI MODEL PKA-A12HA7	• MECHANICAL CONTRACTOR TO FIELD ROUTE CONDENSATE PIPING PER IMC - 2015. • WIRELESS THERMOSTAT (BY MITSUBISHI) • INDOOR HP UNIT TO HAVE DISCONNECT. • PROVIDE WALL MOUNTING BRACKET FOR DSHP-1.
	DSHP-2	12,000	13,500			19-3.6	1/4"	3/8"	11	15	240/1/60	MITSUBISHI MODEL PUZ-A12NKA7	• CONDENSATE PUMP
DSA-2		12,000	13,500	340			1/4"	3/8"	1.1	15	240/1/60	MITSUBISHI MODEL PKA-A12HA7	• MECHANICAL CONTRACTOR TO FIELD ROUTE CONDENSATE PIPING PER IMC - 2015. • WIRELESS THERMOSTAT (BY MITSUBISHI) • INDOOR HP UNIT TO HAVE DISCONNECT. • PROVIDE WALL MOUNTING BRACKET FOR DSHP-1.

GRILLE - REGISTER - DIFFUSER SCHEDULE

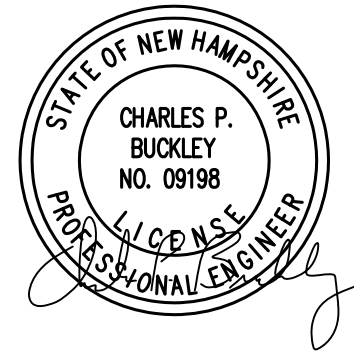
EQUIPMENT NO.	SIZE	TYPE	MANUFACTURER & MODEL	FINISH	OPTIONS-ACCESSORIES
EG-1	8"X8"	EXHAUST GRILLE	HART & COOLEY MODEL RH45 - 8"X8"	WHITE	

FAN SCHEDULE

MARK	SERVICE	LOCATION	CFM	STATIC PRESS. (IN. W.G.)	MOTOR			MANUFACTURE & MODEL
					HP	RPM	VOLT-PHASE	
EF-1	TOILETS RM.-SHOWERS	CHASE	300	0.625	1/6	1800	115-1	GREENHECK SQ-80-VG

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MECHANICAL PLAN AND DETAILS

Sheet Number:

M1.01M

Project Number: 23045001

File:

ELECTRICAL NOTES

1. SCOPE OF WORK:
- A. CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. FIELD VERIFY ALL ELECTRICAL EQUIPMENT.
- B. 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.
- C. ALL WORK TO BE IN ACCORDANCE WITH 2020 NEC AND ALL APPLICABLE FEDERAL, STATE LOCAL CODES.
2. PERMITS:
- A. SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTION CERTIFICATES.
3. SHOP DRAWINGS:
- A. 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.
4. CONDUITS:
- A. 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) | MC |
| SUPPLY TO DISTRIBUTION PANEL | EMT |
| UNDERGROUND SERVICE ENTRANCE | PVC - SCHEDULE 40 |
5. WIRE:
- A. 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).
- B. WIRE CONNECTORS SHALL BE EQUAL BY SCOTCHLOCK FOR #6 AND SMALLER AND T & B "LOCK-LITE" FOR #6 AND LARGER.
6. LIGHTING:
- A. LIGHTING FIXTURES AND LAMPS (UNLESS NOTED OTHERWISE) SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL ALL FIXTURES AND LAMPS.
7. WIRE DEVICES:
- A. RECEPTACLES SHALL BE 20 AMP, 3-WIRE GROUNDING TYPE EQUAL TO HUBBELL 5362 (MOUNTING @ 18"A.F.F.).
- B. SWITCHES SHALL BE STANDARD GRADE RATED 20 AMP AT 120 VOLT (MOUNTING @48"A.F.F.).
- C. SPECIAL DEVICES SHALL BE A SPECIFICATION GRADE.
8. SAFETY SWITCHES:
- A. 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, GOULD, ITE OR EQUAL.
9. BOXES:
- A. OUTLET BOXES AND COVERS SHALL BE GALVANIZED, ONE-PIECE PRESSED STEEL KNOCKOUT.
- B. JUNCTION, PULL BOXES AND COVERS SHALL BE GALVANIZED STEEL, CODE GAUGE SIZE.
10. INSTALLATION:
- A. 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.
- B. 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.
- C. THE FOLLOWING EQUIPMENT SHALL BE IDENTIFIED WITH ENGRAVED BAKELITE NAMEPLATES AS TO NAME AND/OR FUNCTION; DISTRIBUTION PANELS AND DISCONNECT SWITCHES.
- D. 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.
- E. ELECTRICAL CONTRACTOR SHALL RECORD ALL FIELD CHANGES IN HIS WORK AS THE JOB PROGRESSES.
11. QUARANTEE:
- 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 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.
12. FINALLY:
- A. 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.
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.
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

D DIMMER SWITCH; MOUNTED 48" AFF UON; LOWER CASE LETTER, WHEN PRESENT, INDICATES OUTLETS CONTROLLED.

LIGHTING

FLUORESCENT LIGHT FIXTURE - RECESSED, SURFACE, OR PENDENT 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 ANG EXIT SIGN

INDICATES FIXTURE TYPE; SEE SCHEDULE.

RECEPTACLES

GROUNDED DUPLEX RECEPTACLE (NEMA 5-20R); MOUNTED 18" AFF UON; NUMBER INDICATES CIRCUIT.

GROUNDED QUADRUPLEX 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

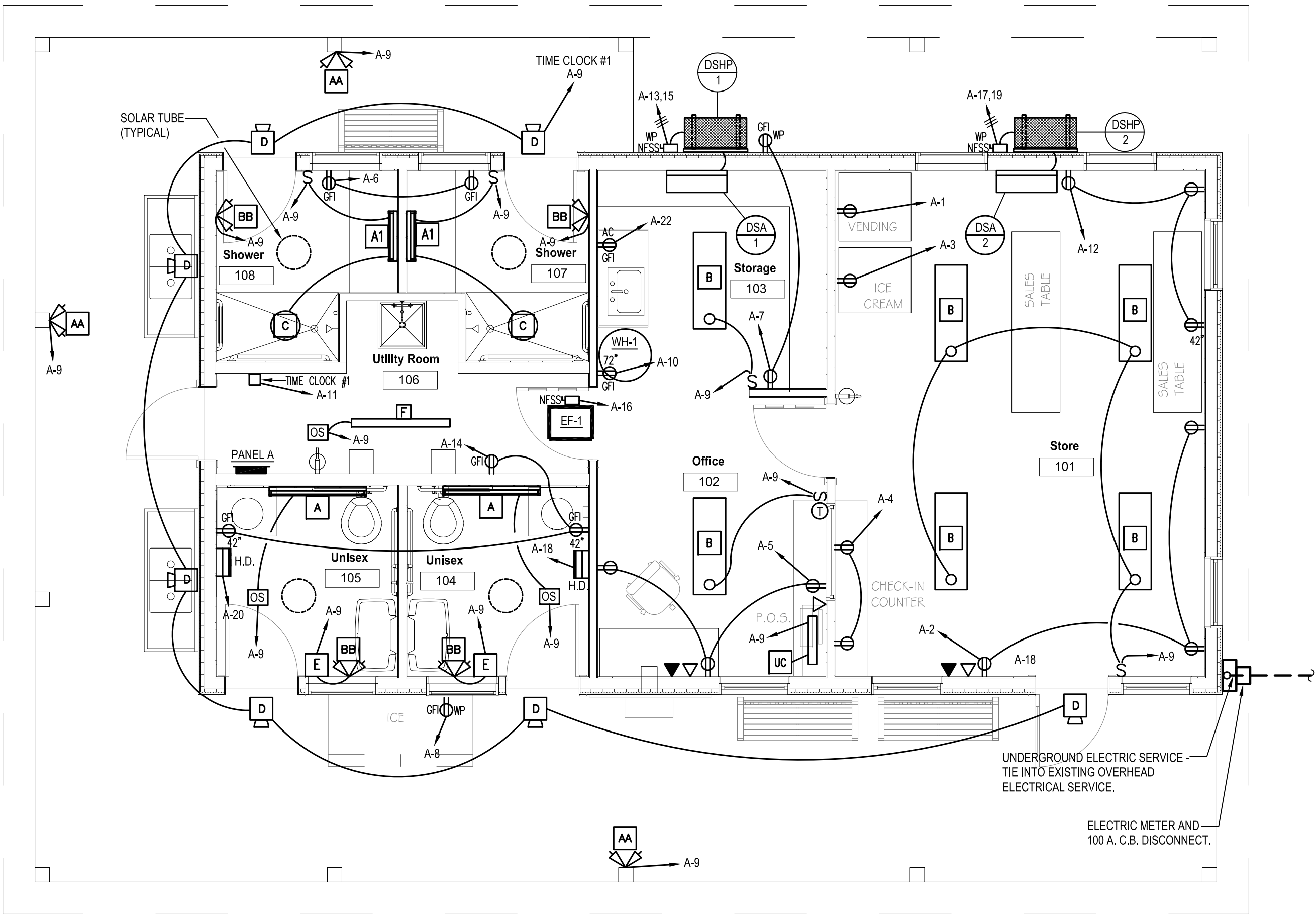
NON-FUSED SAFETY (DISCONNECT) SWITCH

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 POWER PLAN - OFFICE-TOILET-SHOWER-STORE

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

ELECTRICAL NOTES

1. 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.
2. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH ALL CURRENT ELECTRICAL CODES.
3. EXTERIOR LIGHTING TO BE CONTROLLED BY TIMECLOCK. INTERMATIC MODEL T101 OR APPROVED EQUAL
4. PROVIDE LOW VOLTAGE CEILING MOUNTED ULTRASONIC MOTION DETECTOR. GREENGATE MODEL OAC-U-1000-R4-SP20-MV OR APPROVED EQUAL

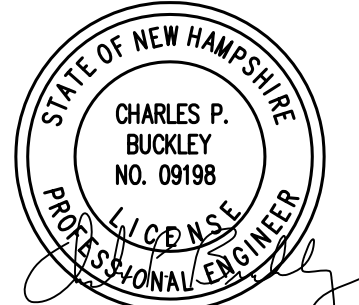
LIGHTING FIXTURE SCHEDULE				
MARK	MANUFACTURER	FIXTURE MAKE/MODEL	LAMPING	MOUNTING
A	METALUX	4-BCLED-LD4-28SL-F-UNV-L830-CD-1	32W LED	WALL MOUNTED @ 8'-0" AFF
A1	METALUX	2-BCLED-LD4-16SL-F-UNV-L830-CD-1	18W LED	WALL MOUNTED @ 8'-0" AFF
B	METALUX	4WSLED-LD4-40SL-UNV-L840-CD1-U	39W LED	CEILING MOUNTED - SURFACE
C	HALO	SLD606-8-30-WH	12.5W LED	CEILING MOUNTED
D	RAB	BRISKS17L-730	14W LED	ABOVE DOOR/BEHIND BEAM/POST
E	LEGRAND	TMMWLECC	1/4W LED	MOUNT 24" AFF
F	LITHONIA	CLX L48 4000LM SEF FDL MVOLT G21 3500M 80CRI	39W LED	CEILING MOUNTED
G	LITHONIA	CLX L24 3500LM SEF FDL MVOLT G21 3500M 80CRI	35W LED	CEILING MOUNTED
AA	DUAL-LITE	DYN 6	2-3W LED	MOUNT TOP 6" T.O. WALL
BB	DUAL-LITE	LZ250I (25 WATT BATTERY)	2-5W/MR16	MOUNT TOP 6" BELOW CEILING
UC	JUNO	UPLD 22IN SWW4 90CRI WH	11W LED	UNDERCABINET

CIRCUIT BREAKER PANEL NO. 'A'											
VOLTS: 120/240			WIRE: 3			KA RMS: 10 KAIC			NEUTRAL BAR: YES		
PHASE: 1			RATED AMP: 225			MAIN CB AMP: 200			GROUND BAR: YES		
									BRANCH CB: BOLT-ON		
									NEMA TYPE: 1		
									MFR: SQUARE "D", G.E., SIEMENS OR EQUAL.		
									MOUNTING: SUFRACE		
VOLT-AMPS(V-A)	CIRCUIT DESCRIPTION	CONDUCTOR	POLES	C.B.	CK'T#	C.B.	POLES	CONDUCTOR	CIRCUIT DESCRIPTION	VOLT-AMPS(V-A)	
1000	RECEPT	2#12#12G.	1	20	1	2	20	1	2#12#12G.	RECEPT.	1000
1000	RECEPT	2#12#12G.	1	20	3	4	20	1	2#12#12G.	RECEPT.	1000
1000	RECEPT	2#12#12G.	1	20	5	6	20	1	2#12#12G.	RECEPT.	1000
600	RECEPT	2#12#12G.	1	20	7	8	20	1	2#12#12G.	RECEPT.	1000
1300	LIGHTING	2#12#12G.	1	20	9	10	20	1	2#12#12G.	WATER HEATER RECEPT.	1200
1300	TIME CLOCK #1	2#12#12G.	1	20	11	12	20	1	2#12#12G.	RECEPT.	1000
1300	DSHP-1 - DSA-1	2#12#12G.	2	15	13	14	20	1	2#12#12G.	RECEPT.	1000
1300	DSHP-2 - DSA-2	2#12#12G.	2	15	15	16	20	1	2#12#12G.	EF-1	800
1050	PANEL B - WOODSHED	2#8#10G.	2	40	17	18	20	1	2#12#12G.	HAND DRYER	1500
1000	SPACE				19	20	20	1	2#12#12G.	HAND DRYER	1500
1000	SPACE				21	22	20	1	2#12#12G.	RECEPT.	1000
1000	SPACE				23	24				SPACE	
1000	SPACE				25	26				SPACE	
1000	SPACE				27	28				SPACE	
1000	SPACE				29	30				SPACE	
6250	5900	TOTAL		TOTAL CONNECTED LOAD: 24150 V-A (101 A.)				TOTAL		6700	5300



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NH STATE PARKS

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

Issue

CONTRACT SET

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Issues:

No.	Description	Date

Title

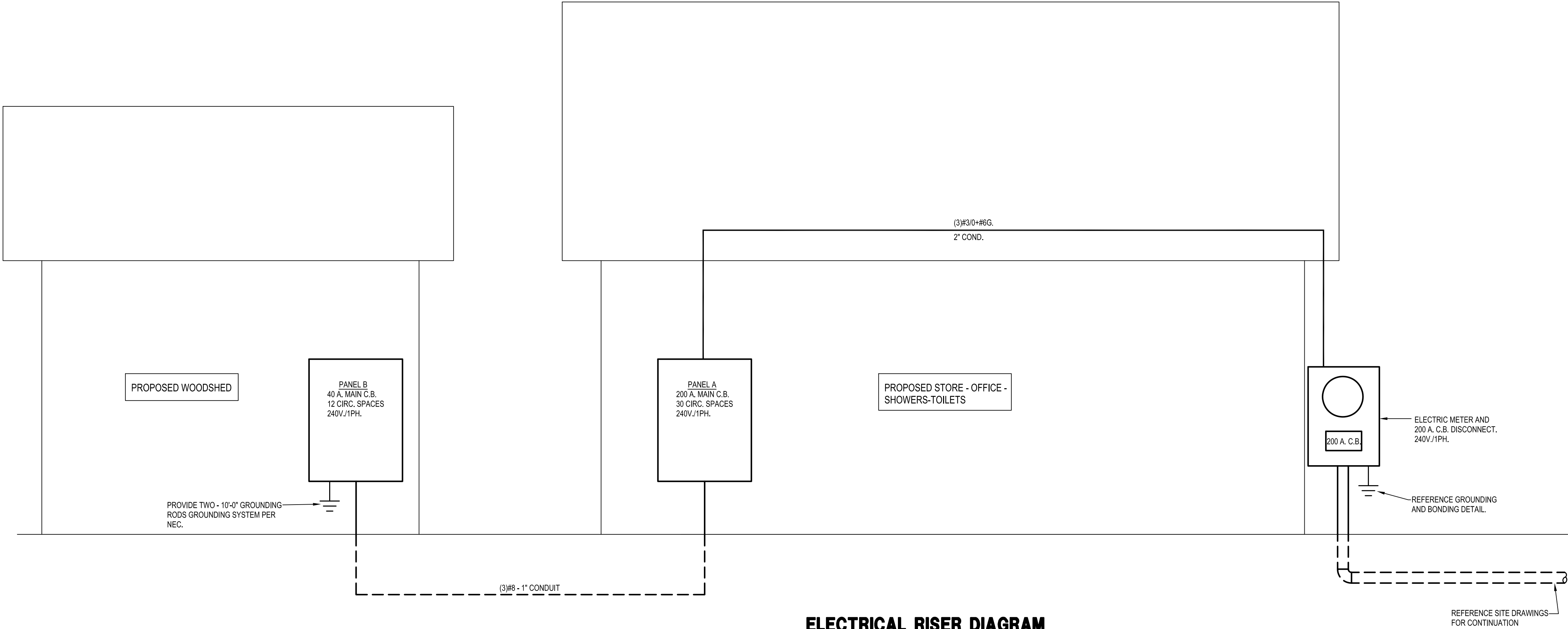
ELECTRICAL PLAN AND DETAILS

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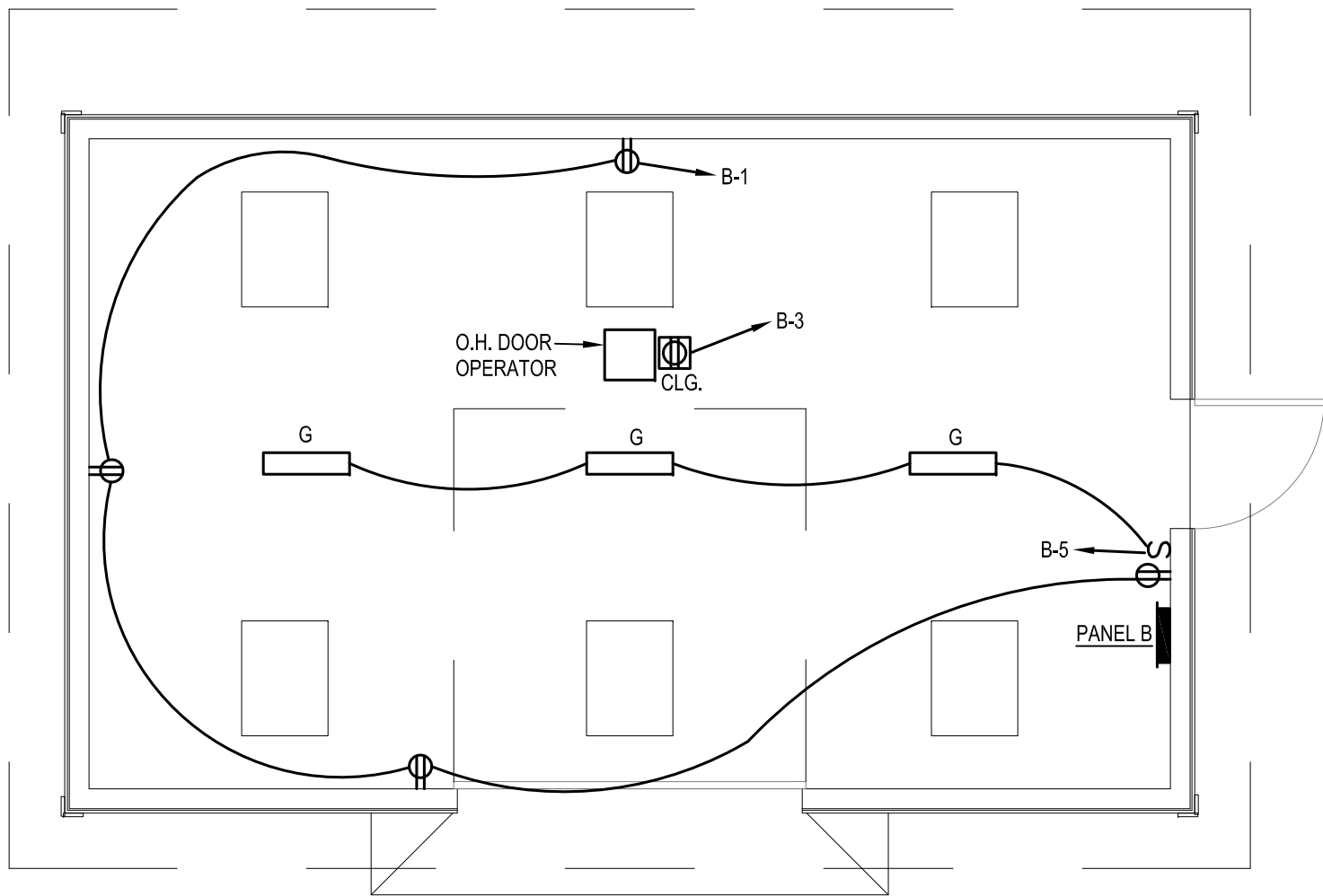
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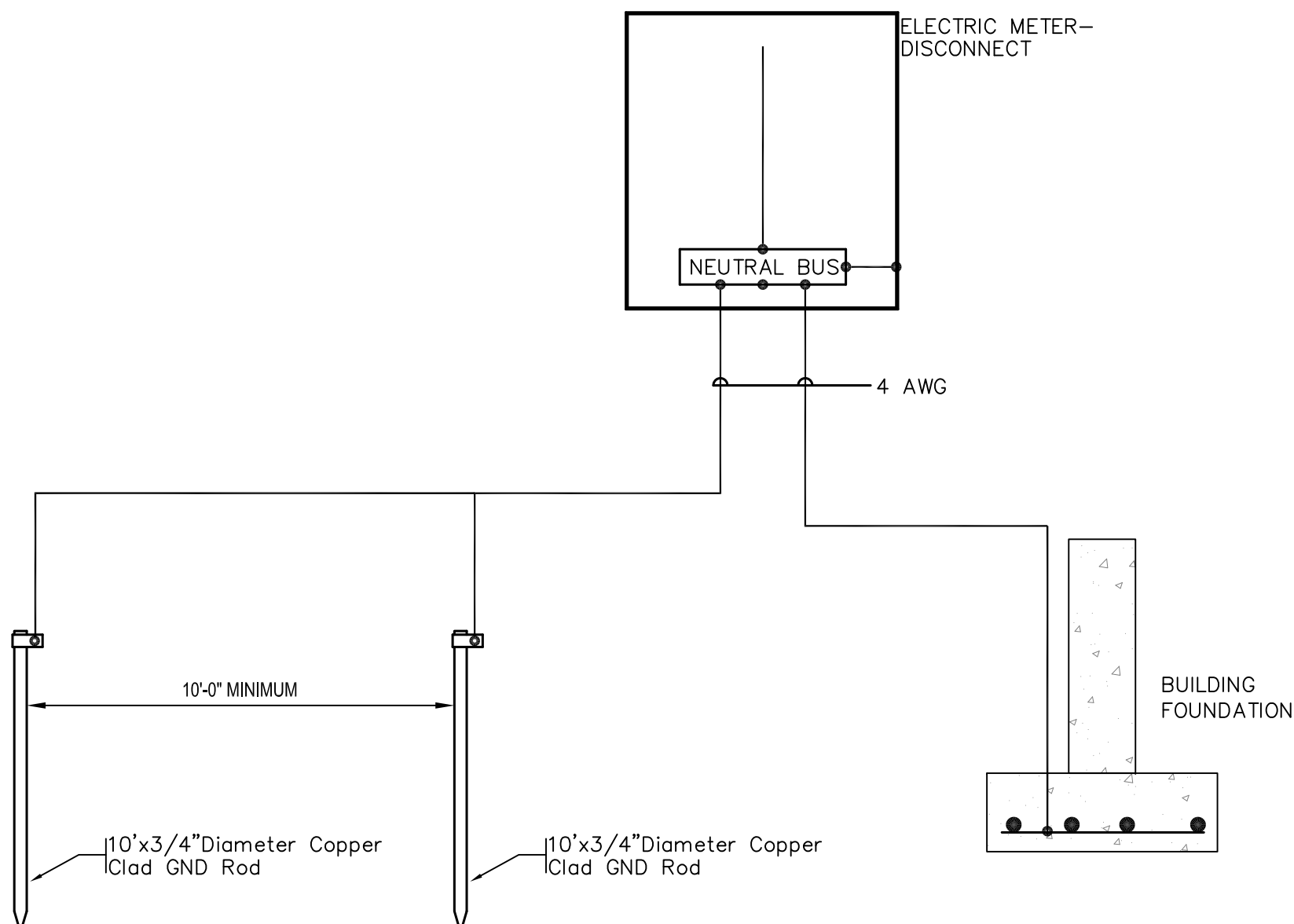


ELECTRICAL RISER DIAGRAM
NOT TO SCALE



ELECTRICAL POWER PLAN - WOODSHED
SCALE: 1/4" = 1'-0"

CIRCUIT BREAKER PANEL NO. 'B'																									
VOLTS: 120/240		WIRE: 3		KA RMS: 10 KAIC		NEUTRAL BAR: YES		BRANCH CB: PLUG-IN		NEMA TYPE: 1		MFR: SQUARE "D" G.E., SIEMENS OR EQUAL LOAD CENTER													
PHASE: 1		RATED AMP:100		MAIN CB AMP: 40		GROUND BAR: YES		KEY LOCK: YES		MOUNTING: SUFRACE															
VOLT—AMPS(V—A)		CIRCUIT DESCRIPTION		CONDUCTOR		POLES		C.B.		CK'T#		C.B. POLES		CONDUCTOR		CIRCUIT DESCRIPTION		VOLT—AMPS(V—A)							
A B																		A B							
1000				RECEPT.		2#12*#12G.		1		20		1 2		20		1		2#12*#12G.		LIGHTING		50			
		1000		RECEPT. - OVERHEAD DOOR		2#12*#12G.		1		20		3 4								SPACE					
				SPACE								5 6								SPACE					
				SPACE								7 8								SPACE					
				SPACE								9 10								SPACE					
				SPACE								11 12								SPACE					
				SPACE								13 14								SPACE					
1000		1000		← TOTAL		TOTAL CONNECTED LOAD: 2050 V-A (9 A.)										TOTAL →		50		0					

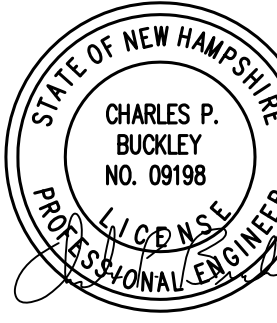


GROUNDING & BONDING DETAIL
NOT TO SCALE



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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 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

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.

3. 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.

E. PITCH WATER PIPING TO DRAIN BACK VALVES TO FACILITATE SEASONAL DRAIN DOWN OF ALL WATER LINES.
- SANITARY/STORM DRAINAGE AND VENT PIPING

4. 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.

5. 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.

6. 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

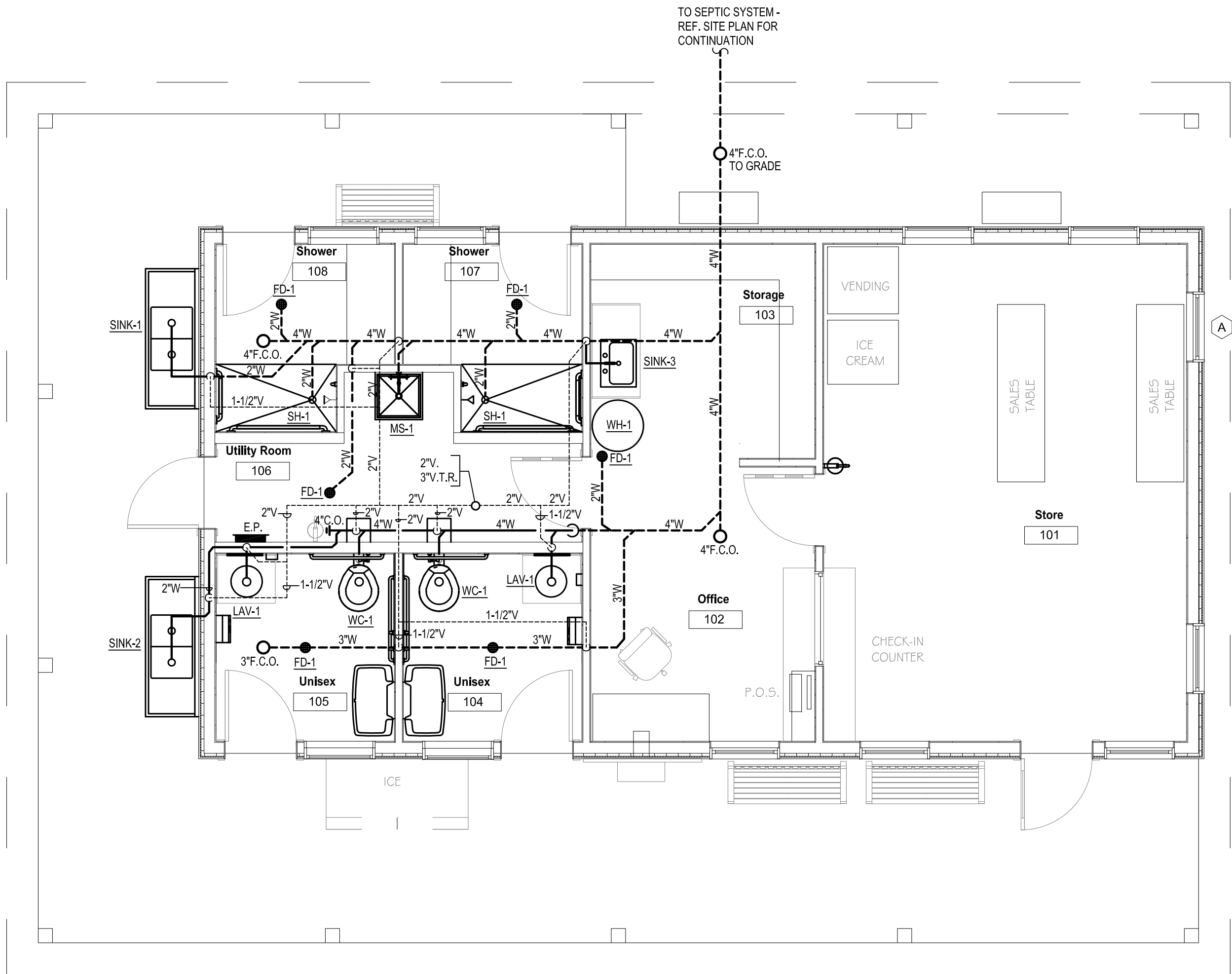
7. A. COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATION.

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 MANUFACTURE'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

8. 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

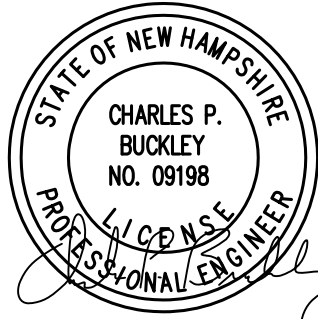
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
-----	SOIL OR WASTE PIPE (BELOW GROUND)		VACUUM BREAKER
=====	SOIL OR WASTE PIPE (ABOVE GROUND)		PRESSURE GAGE
----- (V)	VENT PIPE (V)		TEMPERATURE GAGE
----- (CW)	COLD WATER PIPE (CW)		PRESSURE REDUCING VALVE
----- (HW)	HOT WATER PIPE (HW)		GAS COCK
----- (HWR)	HOT WATER RETURN (HWR)	VTR	VENT THROUGH ROOF
--- G ---	GAS PIPE	LAV	LAVATORY
--- SD ---	STORM DRAIN	WC	WATER CLOSET
	FLOOR DRAIN	URN	URINAL
	CLEAN-OUT(FLOOR)		COLD WATER CONNECTION
	CLEAN-OUT(WALL OR ABOVE CLG.)		HOT WATER CONNECTION
	HOT WATER HEATER		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 – TIE INTO ANSUL 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 MILLENNIUM FLOWISE 1.28 GPF FLUSHOMETER MODEL: 2856.128	FLUSH VALVE: AMERICAN STANDARD MODEL 6047.121.002 TOILET SEAT: AMERICAN STANDARD MODEL #5901.100 CARRIER: JAY R. SMITH, OR EQUAL.	INTEGRAL	4"	2"	1"	—	WHITE	
LAV-1	COUNTER SINK	CORIAN: ADA-COMPLIANT MODEL #810	FAUCET: SYMONS SYMMETRIX S-20-2-0.5, TRAP: CHROME PLATED, MIXING VALVE: SYMONS MAXLINE 7-210-CK-W, PIPE COVERS: TRUEBRO LAV GUARD 2 E-Z 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 FBF-3060L/R VERITEK BARRIER-FREE SHOWER PAN WITH FIT-FLO DRAIN. DRAIN: WATTS FD-1100-A-2-NH-AS-7, HEAD: SYMONS SAFETYMIX 4-151 (2 HEADS @ ADA), CONTROLS: SYMONS SAFETYMIX 4-500-BX-VP, DIVERTER VALVE: SYMONS MODEL 2DV.	2"	2"	1-1/2"	1/2"	1/2"	AS SELECTED BY ARCHITECT	
FD-1	FLOOR DRAIN	ZURN: MODEL FD2-TSP-VP	TRAP SEAL: ZURN Z1072 ZSHIELD BARRIER TRAP SEAL DEVICE	2"	2"	1-1/2"	—	—		
MS-1	MOP SINK	FIAT MODEL MSB2424	● FAUCET: FIAT MODEL 830AA ● MOP HANGER: FIAT MODEL889CC ● FIAT STAINLESS BUMPER GUARD	3"	3"	1-1/2"	1/2"	1/2"		
SINK-1	DISH WASHING SINK	ADVANCE TABCO MODEL VKCT-246 WITH TA-11A-2 BOWLS AND ADJUSTABLE LEGS MOUNTED 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"		
SINK-2	DISH WASHING SINK	ADVANCE TABCO MODEL VKCT-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"		
SINK-3	UTILITY SINK	ELKAY LUSTERTONE CLASSIC STAINLESS STEEL 22"X19.5"X7-5/8" SINGLE BOWL DROP-IN SINK + FAUCET KIT – MODEL LR2219SC	● 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. PROVIDE DRAIN VALVES AS REQUIRED AT LOW POINTS. DRAIN VALVES SHALL BE LOCATED TO LIMIT PUBLIC ACCESS										



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PLUMBING PLAN AND DETAILS

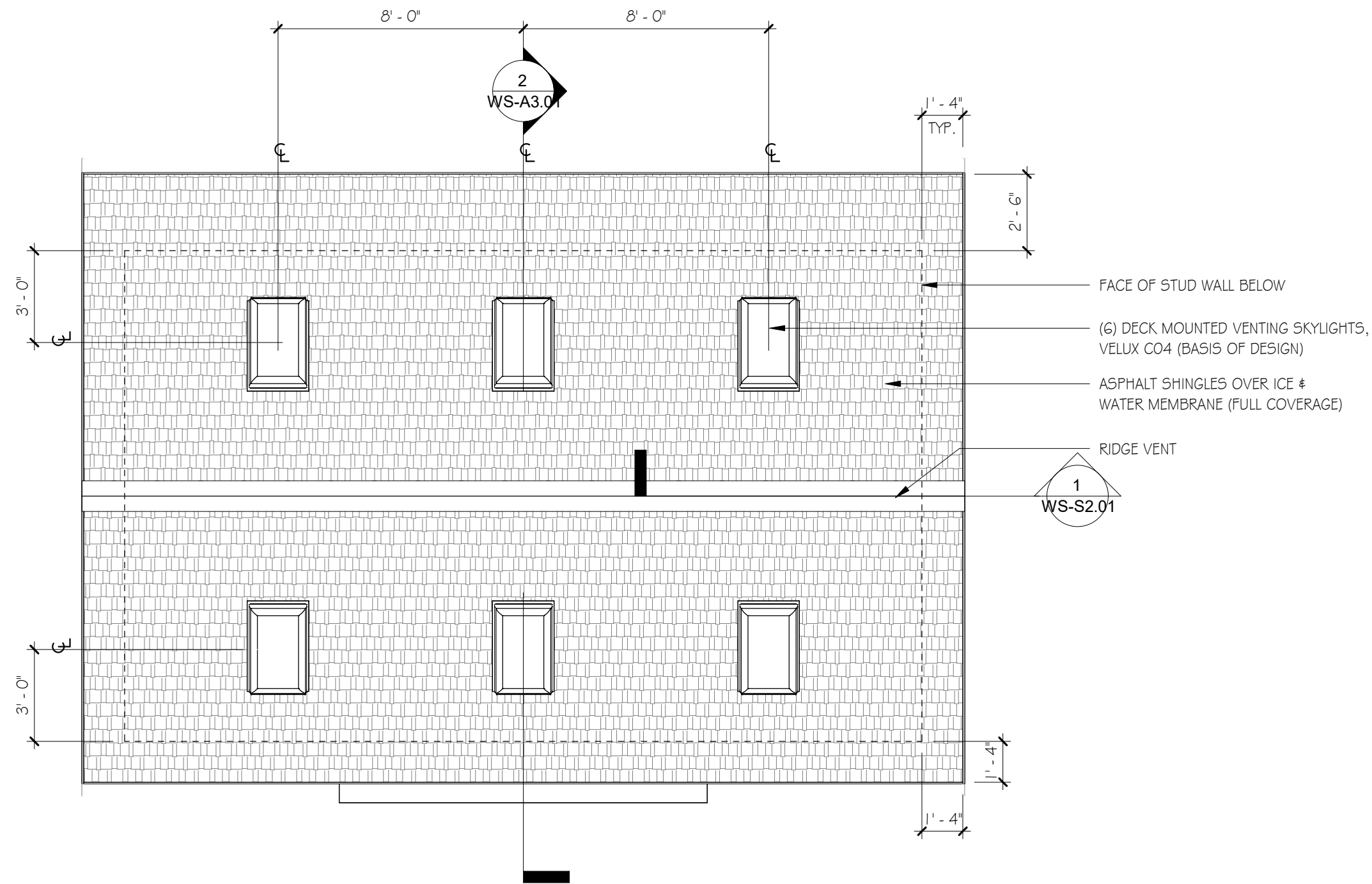
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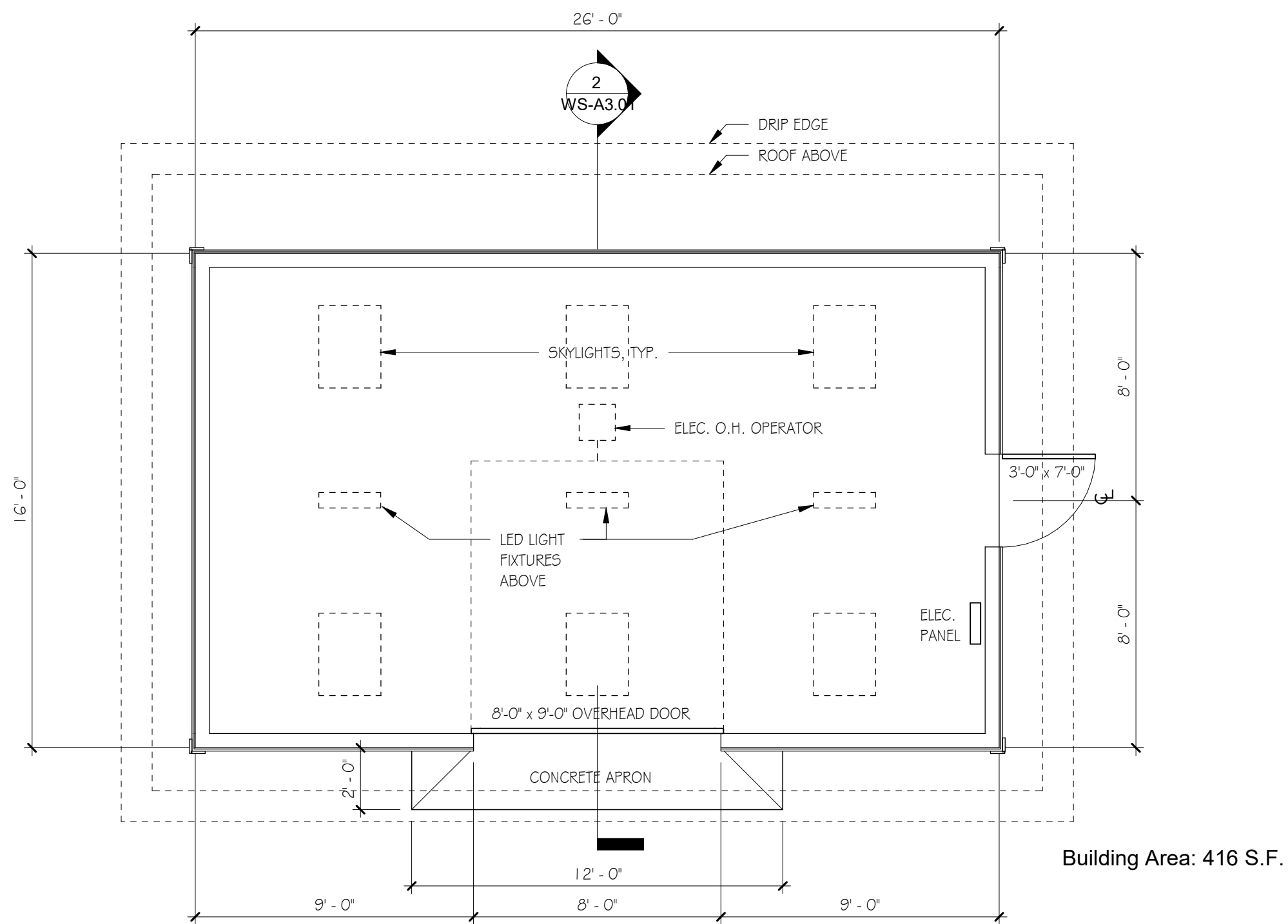
Project Number: 23045001

File:

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



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



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NH STATE PARKS

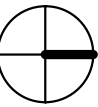
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WOODSHED -
FLOOR & ROOF PLANS

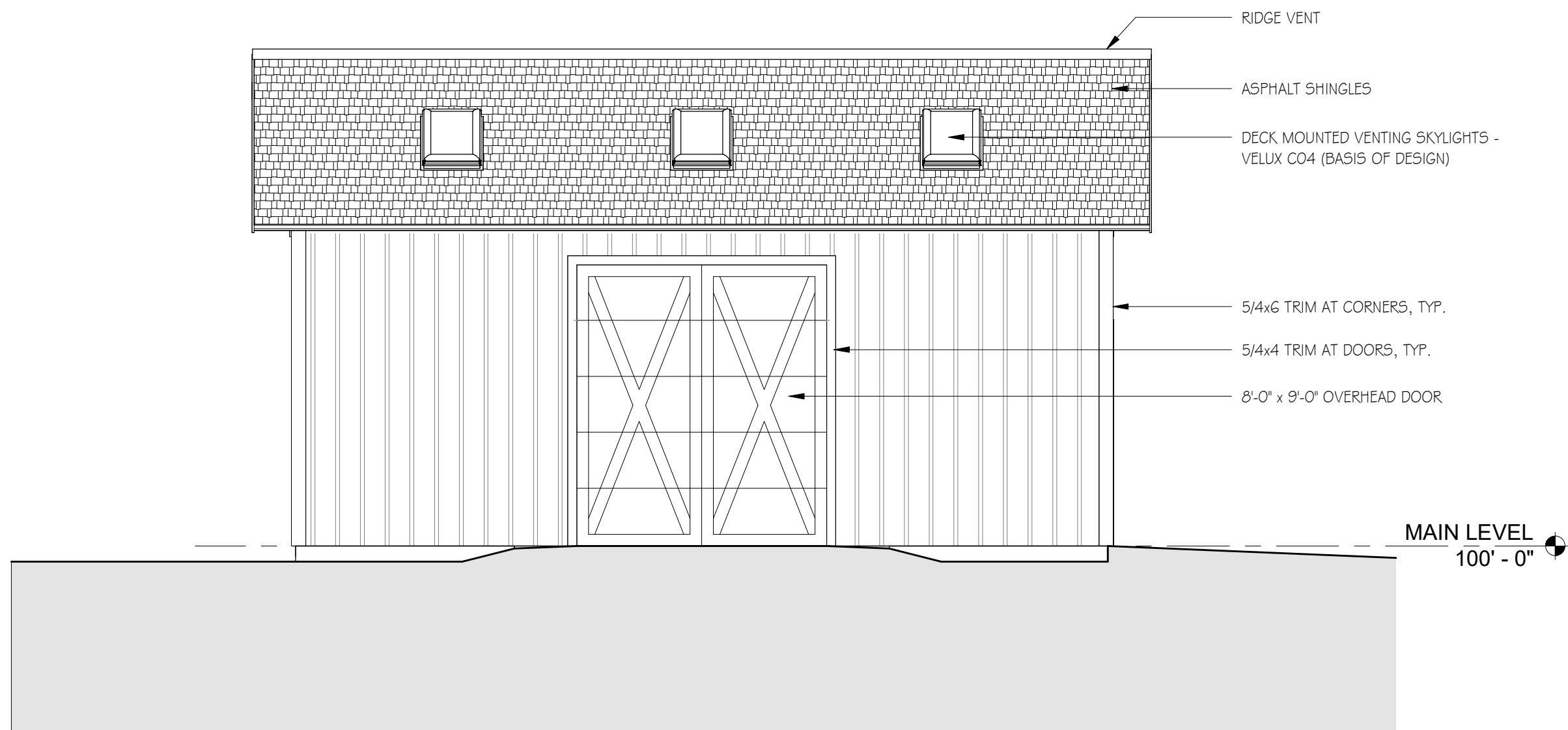
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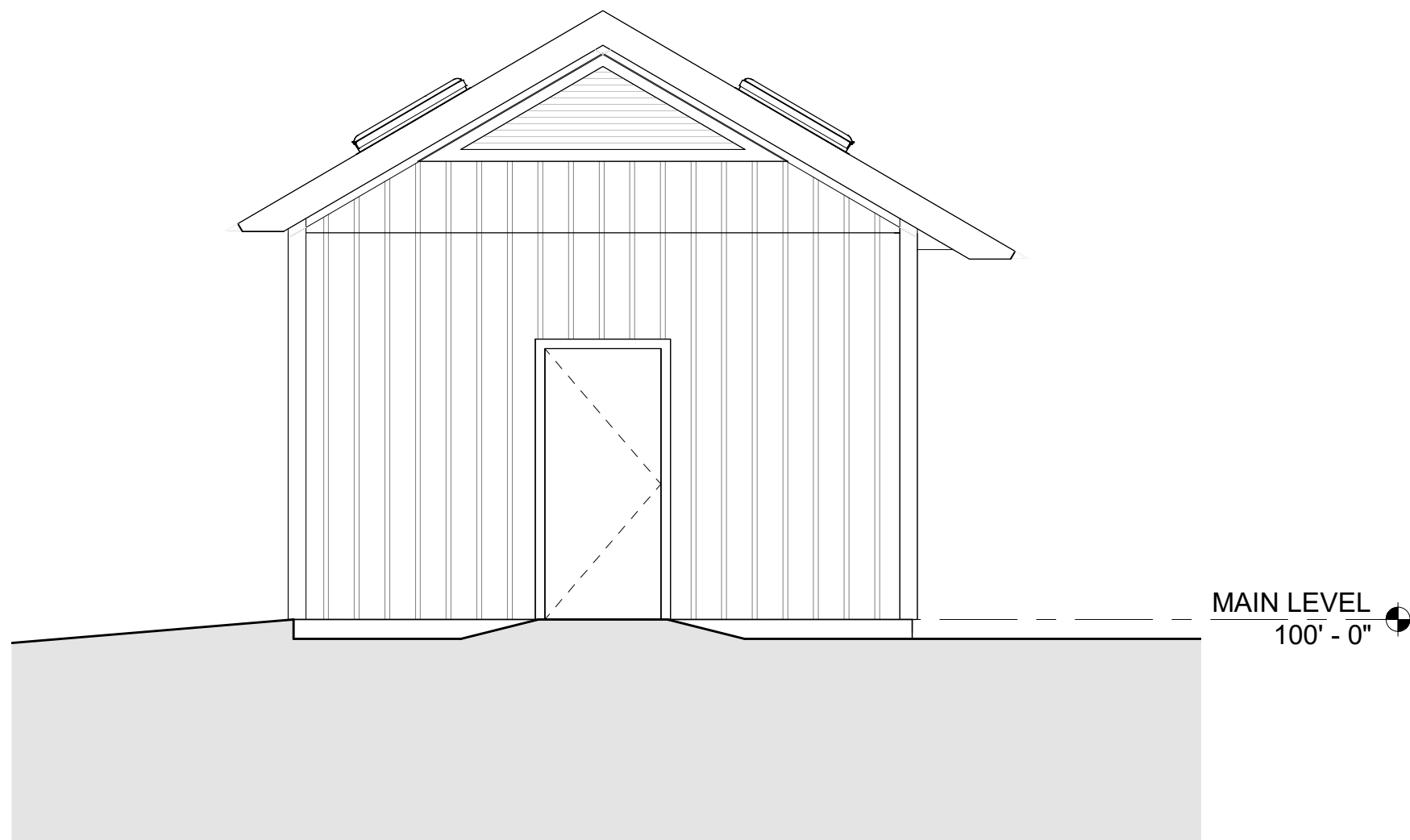
Project Number: 2136B

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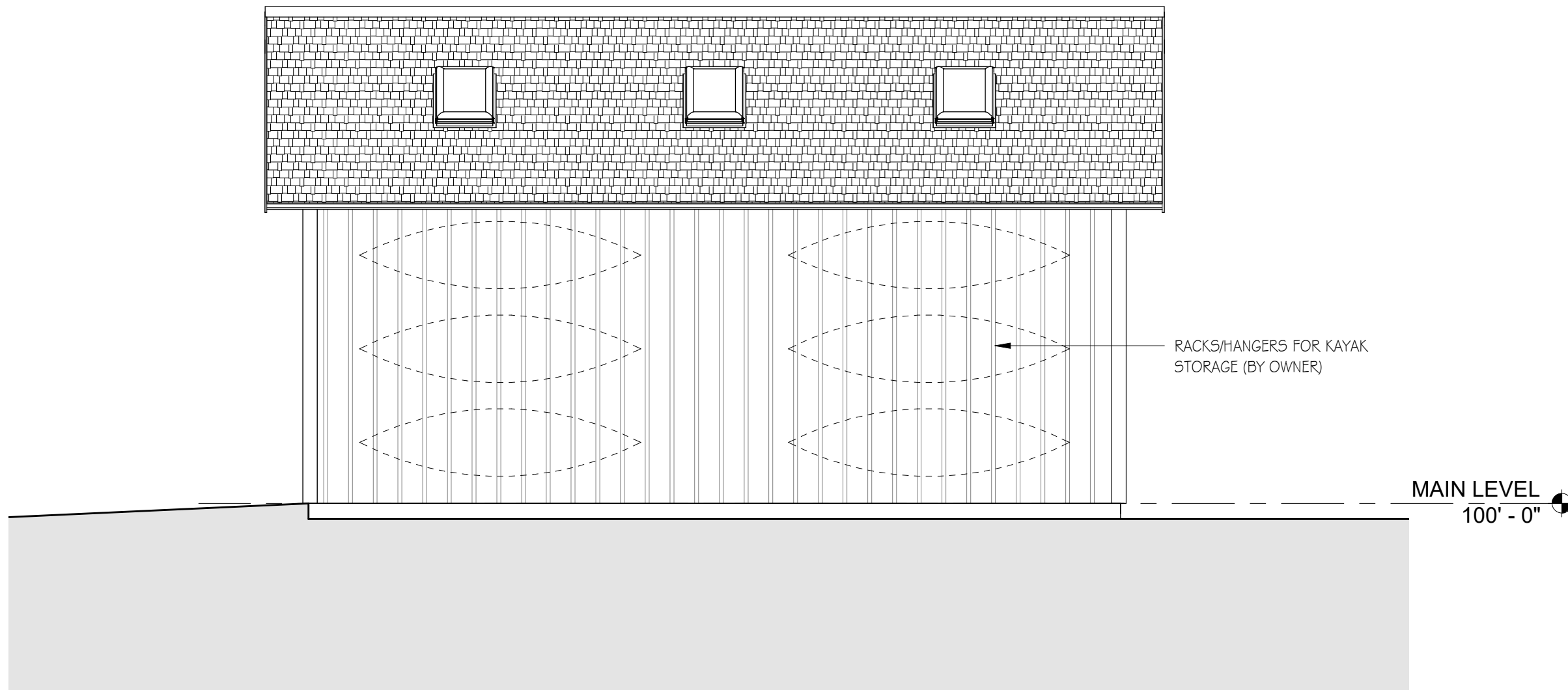
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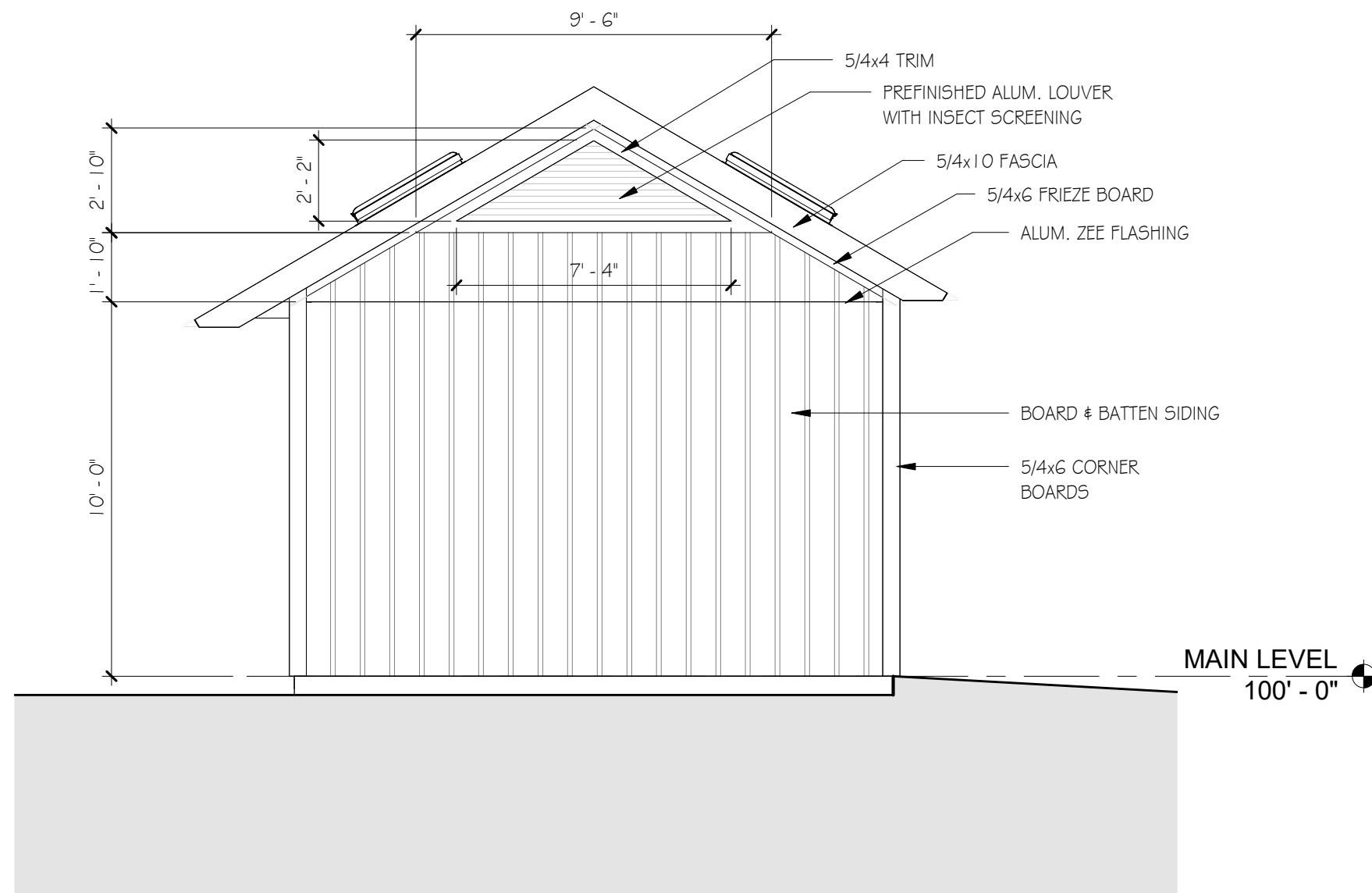
2 FRONT ELEVATION
Scale: 1/4" = 1'-0"



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



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



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

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NH STATE PARKS

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

Issue

CONTRACT SET

Graphic Scale

North

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

Date: May 8, 2024

Drawn By: MR

Checked By: WD

Issues:

No.	Description	Date

Title

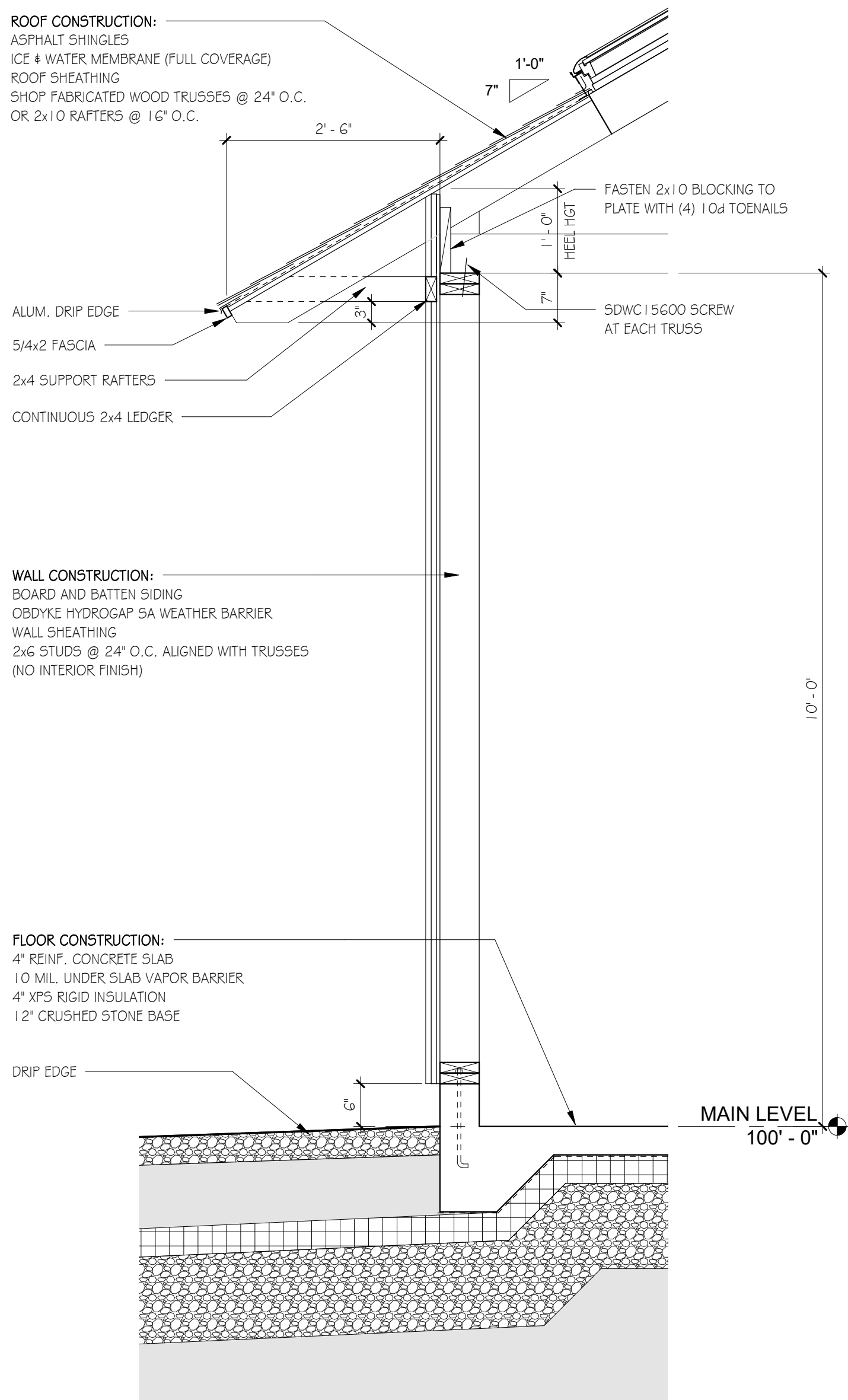
WOODSHED -
EXTERIOR ELEVATIONS

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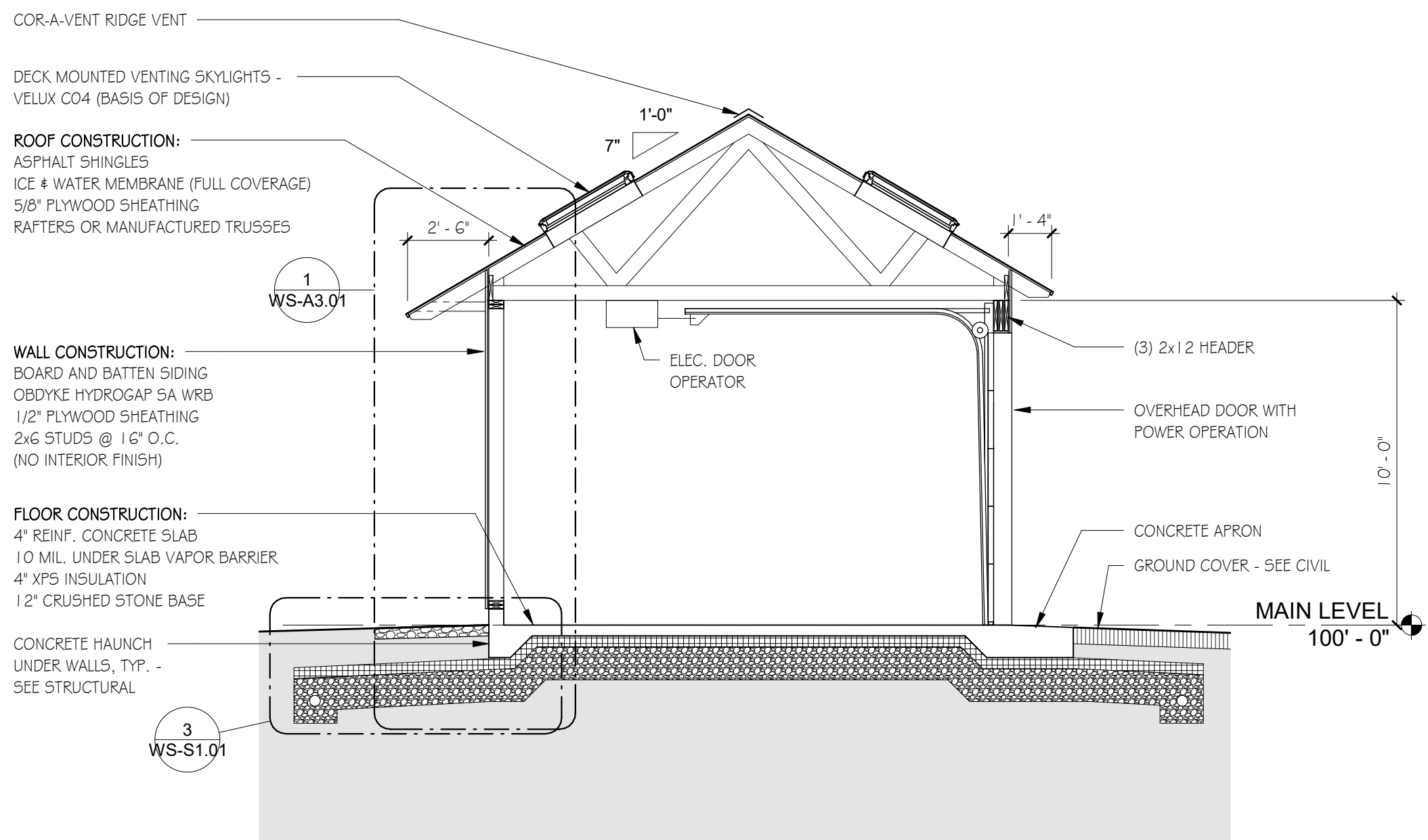
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Project Number: 2136B

File:



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



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



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WOODSHED -
SECTIONS

Sheet Number:

WS-A3.01

Project Number: 2136B

File:

GENERAL STRUCTURAL NOTES

THE CONTRACTOR SHALL COORDINATE WORK SHOWN ON THE STRUCTURAL DRAWINGS WITH THOSE OF OTHER TRADES PRIOR TO THE START OF WORK. CONTACT THE ARCHITECT AND ENGINEER IN THE EVENT ANY ERRORS, OMISSIONS, DISCREPANCIES OR CONFLICTS BETWEEN THE TRADES ARE DISCOVERED PRIOR TO PROCEEDING WITH THE WORK TO AVOID UNNECESSARY DELAYS AND/OR CORRECTIVE WORK. BY USING THESE PLANS, THE CONTRACTOR AGREES TO INDEMNIFY, DEFEND, AND HOLD THE ENGINEER HARMLESS FOR ANY AND ALL CLAIMS ARISING OUT OF THE CONTRACTOR'S FAILURE TO FOLLOW THE PLANS AND SPECIFICATIONS, OR THE DESIGN INTENT CONVEYED, OR FOR FAILURE TO OBTAIN AND FOLLOW THE ENGINEER'S GUIDANCE.

NOTES AND DETAILS SHOWN ARE INTENDED TO BE TYPICAL FOR SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, AS-BUILT OR OTHERWISE, PRIOR TO PROCEEDING WITH THE WORK.

THE DRAWINGS ARE INTENDED TO SHOW THE DESIGN CONCEPT AND ARE NOT TO BE USED AS SHOP DRAWINGS. COMMENTS MADE ON THE SHOP DRAWINGS, OR ON OTHER SUBMITTALS, DURING THE REVIEW DO NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. REVIEW IS SPECIFICALLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR: CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING THE FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS OR HER WORK WITH THAT OF ALL OTHER TRADES; AND COMPLETING THE WORK AS SET FORTH IN THE CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING STRUCTURES INCLUDING BUT NOT LIMITED TO: PROHIBITING CRANES OR OTHER HEAVY EQUIPMENT FROM BEING PLACED ON SLABS OR ADJACENT TO FOUNDATIONS WALLS, PROHIBITING THE PLACEMENT OF CONCENTRATED LOADS ON SLABS OR FLOORS, AND PROHIBITING THE MODIFICATION OF STRUCTURAL MEMBERS IN ANY WAY OTHER THAN AS SHOWN ON THE STRUCTURAL DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BRACING AND SHORING REQUIRED TO COMPLETE THE WORK. THIS RESPONSIBILITY INCLUDES RETAINING AN ENGINEER TO DESIGN ALL NECESSARY BRACING, SHORING OR UNDERPINNING FOR EXISTING STRUCTURES.

STRUCTURAL DESIGN CRITERIA

THE STRUCTURAL DESIGN IS BASED ON THE 2018 INTERNATIONAL BUILDING CODE. ALL CONSTRUCTION SHALL COMPLY WITH THIS AND ALL OTHER APPLICABLE CODES AND STANDARDS.

LIVE LOADS:	SLAB-ON-GRADE	100	PSF
SNOW:	GROUND SNOW LOAD (Pg)	90	PSF
	ELEVATION ADJUSTED (Pg)	88	PSF
	FLAT-ROOF SNOW LOAD (Pf)	74	PSF
	SNOW EXPOSURE FACTOR (Ce)	1.0	
	SNOW LOAD IMPORTANCE FACTOR (I)	1.0	
WIND:	THERMAL FACTOR (Ct)	1.2	
	BASIC WIND SPEED (3-SECOND GUST)	90	MPH
	RISK CATEGORY	II	
	WIND EXPOSURE	B	
SEISMIC:	INTERNAL PRESSURE COEFFICIENT	0.18	
	RISK CATEGORY	II	
	SEISMIC IMPORTANCE FACTOR	1.0	
	SHORT PERIOD SPECTRAL RESPONSE ACCEL.	0.232	
	1.0 SECOND SPECTRAL RESPONSE ACCEL.	0.074	
	SITE CLASS D		
	DESIGN SHORT PERIOD SPECTRAL RESP. COEF.	0.248	
	DESIGN 1.0 SECOND SPECTRAL RESP. COEF.	0.119	
	SEISMIC DESIGN CATEGORY	B	
	RESPONSE MODIFICATION FACTOR	6.5	
	SEISMIC BASE SHEAR	0.04W	
	BASIC SEISMIC-FORCE-RESISTING SYSTEM:		
	LIGHT FRAME WALLS WITH SHEAR PANELS		
	ANALYSIS PROCEDURE:		
	EQUIVALENT LATERAL FORCE PROCEDURE		

FOUNDATION NOTES

FOOTINGS AND SLABS HAVE BEEN DESIGNED TO BEAR ON SOILS WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF PER THE GEOTECHNICAL ENGINEERING REPORT BY SW COLE ENGINEERING, INC DATED SEPTEMBER 1, 2023. REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL RECOMMENDATIONS REGARDING SUB-GRADE PREPARATION, FILL AND COMPACTION REQUIREMENTS, DEWATERING, AND TEST PIT INFORMATION.

EXCAVATION, FILL PLACEMENT, AND COMPACTION IS TO BE PERFORMED IN THE DRY AND IN UNFROZEN GROUND. THE CONTRACTOR SHALL PERFORM DEWATERING AS REQUIRED TO MAINTAIN THE GROUNDWATER LEVEL 1 FOOT BELOW THE BOTTOM OF THE EXCAVATION. CONTACT THE ENGINEER IF UNSTABLE, SATURATED OR WEAVING SOILS ARE ENCOUNTERED.

REMOVE ALL DELETERIOUS MATERIALS SUCH AS EXISTING FILL MATERIAL, TOP SOIL, BOULDERS, STUMPS AND OTHER ORGANICS FROM BENEATH NEW SLABS AND FOOTINGS. CARE SHALL BE TAKEN NOT TO DISTURB SOILS BELOW LINES AND GRADES REQUIRED FOR STRUCTURAL FILL PLACEMENT OR FOOTING BEARING.

THE CONTRACTOR SHALL PROTECT FOOTING AND SLAB BEARING SURFACES FROM FREEZING, BOTH BEFORE AND AFTER CONCRETE PLACEMENT. SLABS AND FOOTINGS WHICH MOVE DUE TO FROST ACTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

PRIOR TO FILL PLACEMENT, AND FOOTING CASTING, COMPACT THE EXISTING MATERIAL WITH A VIBRATORY ROLLER OR PLATE COMPACTOR. NOTIFY THE ENGINEER IF NOTICEABLE DEPRESSIONS OR PUMPING OCCURS DURING COMPACTION, OR IF LOOSE SANDS ARE ENCOUNTERED.

THE GEOTECHNICAL ENGINEER WHO PREPARED THE GEOTECHNICAL ENGINEERING REPORT IS TO EXAMINE SUBGRADE PRIOR TO FILL PLACEMENT AND CONCRETE PLACEMENT. THE PLACEMENT, COMPACTION AND TESTING FILL IS TO BE PERFORMED UNDER THE SUPERVISION OF A GEOTECHNICAL ENGINEER OR QUALIFIED SOILS OR GEOTECHNICAL ENGINEERING TECHNICIAN. THE FREQUENCY OF COMPACTION TESTING IS TO BE DETERMINED BY THE GEOTECHNICAL ENGINEER. SUBMIT COMPACTION TEST RESULTS TO THE ARCHITECT AND ENGINEER PRIOR TO CONCRETE PLACEMENT.

FILL REQUIRED BELOW FOOTINGS SHALL BE CRUSHED GRAVEL MEETING THE REQUIREMENTS OF NHDOT SPECIFICATIONS ITEM NUMBER 304.3 MODIFIED CRUSHED GRAVEL. PLACE AND COMPACT MATERIAL IN 3 TO 6-INCH LOOSE LIFTS, DEPENDING ON EQUIPMENT USED FOR COMPACTION. COMPACT MATERIAL TO 96% DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 1557 METHOD C.

FOOTINGS ARE TO BE CENTERED UNDER WALLS AND COLUMNS UNLESS NOTED OTHERWISE.

FOUNDATION WALLS SHALL BE BACKFILLED SUCH THAT THE TOP OF FILL DOES NOT VARY BY MORE THAN 16-INCHES FROM ONE SIDE TO THE OTHER. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PREVENT MOVEMENT OF FOUNDATION WALLS WHILE BACKFILLING.

CONCRETE AND REINFORCING STEEL NOTES

ALL CONCRETE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" EXCEPT AS MODIFIED BY THE PROJECT SPECIFICATIONS.

CONCRETE DESIGN MIXES SHALL BE PREPARED IN ACCORDANCE WITH ACI 211, ACI 318, THE PROJECT SPECIFICATIONS AND SHALL HAVE THE FOLLOWING STRENGTHS AND PROPERTIES:

LOCATION	STRENGTH AT 28 DAYS (f'c)		
CONCRETE SLABS	3500	PSI	
ALL OTHER CONCRETE	3000	PSI	
(f'c) CEMENT/YD	MAX W/C RATIO BY WT.		MAX SLUMP
3500 PSI	564	POUNDS	0.48
3000 PSI	517	POUNDS	0.55

CONCRETE FOR WALLS AND EXTERIOR SLABS SHALL BE AIR ENTRAINED TO 6±1%.

THE CONCRETE MIX DESIGN SHALL BE BASED ON THE SLUMP AND THE W/C RATIO'S GIVEN ABOVE. PROVIDE WATER REDUCING ADMIXTURE AS REQUIRED.

REINFORCING STEEL SHALL CONFORM TO ASTM A 615 GRADE 60 SPECIFICATIONS, FABRICATED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE OF THE CONCRETE REINFORCING STEEL INSTITUTE AND PLACED IN ACCORDANCE WITH A.C.I. 315 AND A.C.I. MANUAL OF STANDARD PRACTICE.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 GRADE 65 AND BE FURNISHED IN FLAT SHEETS. LAP ALL W.W.F. EDGES TWO SQUARES.

SUPPORT W.W.F. USING UPPER TYPE CONTINUOUS HIGH CHAIRS AT 3 FEET ON-CENTER TO MAINTAIN THE W.W.F. AT THE CENTER OF THE SLAB, UNLESS SHOWN OTHERWISE.

MAINTAIN THE FOLLOWING CONCRETE COVER OVER REINFORCING UNO:
CONCRETE CAST AGAINST EARTH 3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER 2"
COLUMNS AND BEAMS NOT EXPOSED TO EARTH OR WEATHER 1 1/2"
SLABS AND WALLS NOT EXPOSED TO EARTH OR WEATHER 3/4"

PROVIDE CORNER BARS TO MATCH SIZE AND SPACING OF ALL DISCONTINUOUS REINFORCING IN WALLS AND FOOTINGS.

ALL HOOK BARS SHALL HAVE STANDARD 90 DEGREE HOOKS WITH MAXIMUM EMBEDMENT UNLESS NOTED OTHERWISE.

REINFORCING SHALL BE SPLICED AND EMBEDDED AS FOLLOWS:

BAR SIZE	SPLICE LENGTH	STRAIGHT BAR EMBEDMENT LENGTH
#3	1'-6"	1'-0"
#4	2'-0"	1'-4"
#5	2'-6"	1'-6"

PRECAUTIONS FOR CONCRETE PLACEMENT DURING COLD WEATHER

WHEN THE AVERAGE OF THE HIGHEST AND LOWEST AMBIENT TEMPERATURE IS EXPECTED TO BE BELOW 40 DEGREES F FOR MORE THAN THREE SUCCESSIVE DAYS, PRECAUTIONS AS RECOMMENDED IN ACI 306 "COLD WEATHER CONCRETING" SHALL BE TAKEN TO PREVENT CONCRETE FREEZING. THE FOLLOWING IS BASED ON ACI 306:

ADDITIONAL MIX REQUIREMENTS

-ALL CONCRETE FOR FOOTINGS AND WALLS IS TO BE AIR ENTRAINED.
-ALL CONCRETE IS TO CONTAIN A SET ACCELERATING ADMIXTURE, SUCH AS POLARSET.
-MINIMUM CONCRETE TEMPERATURE WHEN PLACED IS 55 DEGREES F.
-MAXIMUM CONCRETE TEMPERATURE WHEN PLACE IS 75 DEGREES F.

SUBGRADE REQUIREMENTS

-MINIMUM TEMPERATURE OF SUB-GRADE FOR PLACEMENT OF FOOTING AND SLAB CONCRETE IS 35 DEGREES F.
-DO NOT ALLOW FROST TO OCCUR IN FOOTING AND SLAB SUBGRADE.
-SUBGRADE WHICH IS ALLOWED TO FREEZE SHALL BE RE-COMPACTED AFTER IT THAWS.

THERMAL PROTECTION REQUIREMENTS

-THE CONCRETE PLACED SHALL BE THERMALLY PROTECTED AS INDICATED BELOW SUCH THAT THE CONCRETE SURFACE TEMPERATURE IS MAINTAINED AT A MINIMUM OF 50 DEGREES F.
-MAINTAIN PROTECTION FOR A PERIOD OF NOT LESS THAN 4 DAYS.
-MEASURE AND RECORD THE SURFACE TEMPERATURE OF THE CONCRETE AT LEAST TWICE A DAY FOR THE DURATION OF THE PROTECTION PERIOD.
-MAINTAIN PROTECTION SUCH THAT OUTSIDE AIR DOES NOT PENETRATE THE THERMAL PROTECTION.
-MAXIMUM DROP IN CONCRETE SURFACE TEMPERATURE AFTER THE REQUIRED PROTECTION PERIOD WITHIN 24 HOURS SHALL BE 40 DEGREES F.

INSULATION REQUIREMENTS DURING PROTECTION PERIOD (IN ADDITION TO R-VALUE OF FORMS:

IF THE AVERAGE EXPECTED AMBIENT TEMPERATURE IS:	USE PROTECTION WHICH PROVIDES A MINIMUM R-VALUE OF:
30 TO 40 DEGREES F	4
20 TO 29 DEGREES F	6
10 TO 19 DEGREES F	8

-PLACE INSULATION IN DIRECT CONTACT WITH CONCRETE AND FORMS.
-PROVIDE A HEATED ENCLOSURE FOR AMBIENT TEMPERATURES BELOW 10 DEGREES F.

SLABS-ON-GRADE

-A HEATED SPACE WILL BE NECESSARY.
-MAINTAIN THE CONCRETE SURFACE TEMPERATURE AT A MINIMUM OF 55 DEGREES.
-COVER SLAB WITH PLASTIC OR THERMAL BLANKETS TO PREVENT RAPID DRYING OR EXPOSURE TO HEATER EXHAUST FUMES.

SUBMITTALS AND OBSERVATIONS

SHOP DRAWINGS AND SUBMITTALS SHALL BE PREPARED IN ACCORDANCE WITH THE APPLICABLE INDUSTRY STANDARD.

THE CONTRACTOR ASSUMES FULL RESPONSIBILITY TO VERIFY THAT ALL REQUIRED SHOP DRAWINGS AND OTHER SUBMITTALS HAVE BEEN REVIEWED PRIOR TO THE START OF WORK.

THE FOLLOWING IS A LIST OF SUBMITTALS REQUIRED:

FILL MATERIALS

GRADATION TEST FOR EACH FILL TYPE AND SOURCE

CONCRETE MIXES

MIX DESIGNS AND SUBSTANTIATING DATA
MANUFACTURER'S TECHNICAL DATA FOR ADMIXTURES AND GROUT

REINFORCING STEEL

PLACING DRAWINGS

SHOP-FABRICATED WOOD TRUSSES

REFER TO SPECIFICATIONS

IN ADDITION TO THE TESTING AND INSPECTION REQUIREMENTS IN THE SPECIFICATIONS, THE CONTRACTOR IS TO COORDINATE THE ENGINEER'S OBSERVATION OF CONSTRUCTION AFTER COMPLETION OF ROUGH FRAMING.

WOOD FRAMING NOTES

WOOD FRAME CONSTRUCTION SHALL COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE. FOLLOW THE FASTENING SCHEDULE IN TABLE 2304.10.1 UNLESS NOTED OTHERWISE.

DIMENSIONED LUMBER SHALL CONFORM TO THE LATEST EDITION OF N.F.P.A. "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" AND ITS SUPPLEMENTS. PROVIDE SPRUCE-PINE-FIR NORTH, NO. 2 GRADE OR BETTER.

EACH PIECE OF LUMBER SHALL BEAR THE GRADE MARK OF A RECOGNIZED AGENCY OR INDEPENDENT INSPECTION SERVICE CERTIFIED BY THE BOARD OF REVIEW, AMERICAN LUMBER STANDARDS COMMITTEE. GRADE MARK TO INDICATED SPECIES, GRADE, AND MANUFACTURER'S NUMBER.

PRESSURE TREATED LUMBER SHALL BE SOUTHERN PINE NO. 2 GRADE EXCEPT BEAMS AND POSTS SHALL BE NO. 1 GRADE, AWP/UC4A. PRESSURE TREAT WITH ACQ-A OR ACQ-D (NO AMMONIA) WITH A MINIMUM RETENTION OF 0.40 POUNDS PER CUBIC-FOOT IN ACCORDANCE WITH AWP/STANDARD 02/09. JOBSITE FABRICATION CUTS AND BORINGS SHOULD BE FIELD TREATED WITH COPPER NAPHTHENATE HAVING A MINIMUM 2% METALLIC SOLUTION IN ACCORDANCE WITH AWP/STANDARD M4.

SHEATHING SHALL BE DOUGLAS FIR PLYWOOD COMPLYING WITH VOLUNTARY PRODUCT STANDARD PS 2 "PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL USE PANELS" AND AS FOLLOWS:

WALLS: 1/2" MINIMUM APA 32/16 RATED PLYWOOD SHEATHING, EXTERIOR GRADE WHERE SHOWN;

ROOF: 19/32" MINIMUM APA 40/20 RATED SHEATHING, 5 PLY, EXTERIOR; OR 5/8" T&G ADVANTECH OR ZIP PANELS BY HUBER.

ROOF SHEATHING IS TO BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO THE SUPPORTS AND CONTINUOUS OVER THREE SPANS. PROVIDE A 1/8" GAP AT THE ENDS AND EDGES OF ALL PANELS. HORIZONTAL JOINTS IN WALL SHEATHING ARE TO BE BLOCKED AND NAILED.

NAILS SHALL MEET THE REQUIREMENTS OF ASTM F 1667 AND AS FOLLOWS:
8D NAILS 0.131" DIA X 2 1/2"
10D NAILS 0.148" DIA X 3"
16D NAILS 0.162" DIA X 3 1/2"

PNEUMATICALLY DRIVEN NAILS SHALL BE FULL HEAD NAILS AS MANUFACTURED BY SENCOR OR STANLEY-BOSTITCH, OR EQUIVALENT. NAILS IN CONTACT WITH PRESSURE TREATED WOOD (SUCH AS SILL PLATE) SHALL BE HOT DIP GALVANIZED, ZMAX COATED OR STAINLESS STEEL. CLIPPED HEAD NAILS SHALL NOT BE USED. NAILS SHALL BE DRIVEN FLUSH WITH SURFACE, OVERDRIVEN NAILS SHALL BE REPLACED.

WOOD CONNECTOR DESIGN IS BASED ON SIMPSON STRONG-TIE COMPANY PRODUCTS. SUBSTITUTION SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE. ALL CONNECTORS AND FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT DIP GALVANIZED, STAINLESS STEEL, OR Z-MAX COATED.

STEEL FOR BOLTS, NUTS, WASHERS, BRIDGING, METAL CONNECTORS, AND LAG BOLTS TO CONFORM TO ASTM A 307. HOT-DIP GALVANIZE ALL EXPOSED STEEL AND STEEL IN CONTACT WITH PRESSURE TREATED WOOD IN ACCORDANCE WITH ASTM A 123.

THROUGH BOLTS SHALL BE INSERTED IN PRE-DRILLED HOLES WITH DIAMETER EQUAL TO THE BOLT DIAMETER PLUS 1/16". LAG BOLTS GREATER THAN 3/8" DIAMETER SHALL BE SCREWED INTO PRE-DRILLED LEAD HOLES WITH DIAMETER EQUAL TO ONE-HALF THE LAG BOLT DIAMETER.

NO BEAMS, HEADERS, JOISTS, OR STUDS SHALL BE CUT, NOTCHED, OR BORED TO CLEAR PIPES, WIRE, CONDUIT, OR FOR OTHER PURPOSE WITHOUT REVIEW BY THE ENGINEER. NOTCHING OR BIRDSMOUTH IN MEMBERS IS NOT PERMITTED UNLESS NOTED OTHERWISE.

SHOP-FABRICATED WOOD TRUSS NOTES

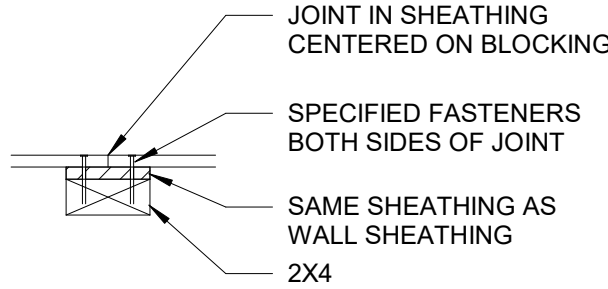
DESIGN TRUSSES FOR THE FOLLOWING MINIMUM LOADS AND DEFLECTION:

UNIFORM SNOW LOAD:	74 PSF
UNBALANCED SNOW LOAD:	PER ASCE 7
TOP CHORD DEAD LOAD:	10 PSF
BOTTOM CHORD DEAD LOAD:	10 PSF
WIND LOAD:	PER PER ASCE 7 WITH A MAXIMUM RESISTING DEAD LOAD OF 10 PSF
DEFLECTION LIMITATION:	L/360

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

ABBREVIATIONS AND LEGEND

ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ASTM	ASTM INTERNATIONAL
BF	BIG FOOT STYLE FOOTING
BOT	BOTTOM
BP	BASE PLATE
BRP	BEARING PLATE
BRG	BEARING
CMU	CONCRETE MASONRY UNIT(S)
CONT	CONTINUOUS
CT	CONTRACTION JOINT
DIA	DIAMETER
EA	EACH
ELEV	ELEVATION
EW	EACH WAY
FD	FLOOR DRAIN
FF	FINISH FLOOR
FTG	FOOTING
GALV	GALVANIZE(D)
HDG	HOT DIP GALVANIZE(D)
HORIZ	HORIZONTAL
IBC	INTERNATIONAL BUILDING CODE
NA	NEUTRAL AXIS
NTS	NOT DRAWN TO SCALE
OC	ON CENTER
REINF	REINFORCE(D)(ING)
REQD	REQUIRED
SDI	STEEL DECK INSTITUTE
SECT	SECTION
SIM	SIMILAR
SS	STEEL JOIST INSTITUTE
SS	STAINLESS STEEL
STL	STEEL
TOC	TOP OF CONCRETE
TOCP	TOP OF CONCRETE PIER
TOCW	TOP OF CONCRETE WALL
TOS	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN THE FIELD
VL	BOISE VERSALAM
W/	WITH
WWF	WELDED WIRE FABRIC
#	SIZE OF REINFORCING BAR
@	AT
○	INDICATES QUANTITY
○	INDICATES DRAWING NOTE KEYED TO PLAN



SHEATHING BLOCKING DETAIL

1 1/2" = 1'-0"

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WOODSHED -
STRUCTURAL NOTES

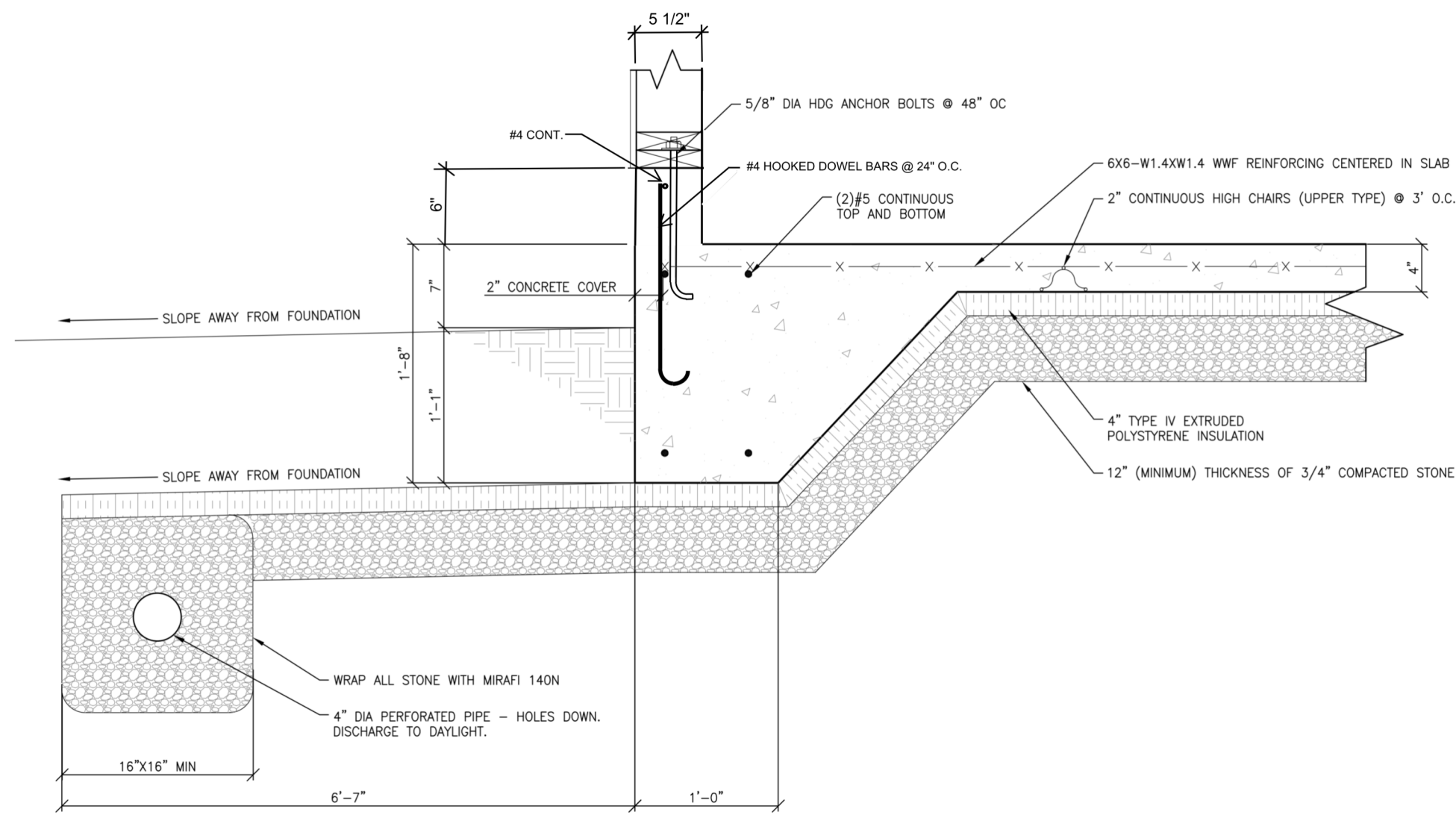
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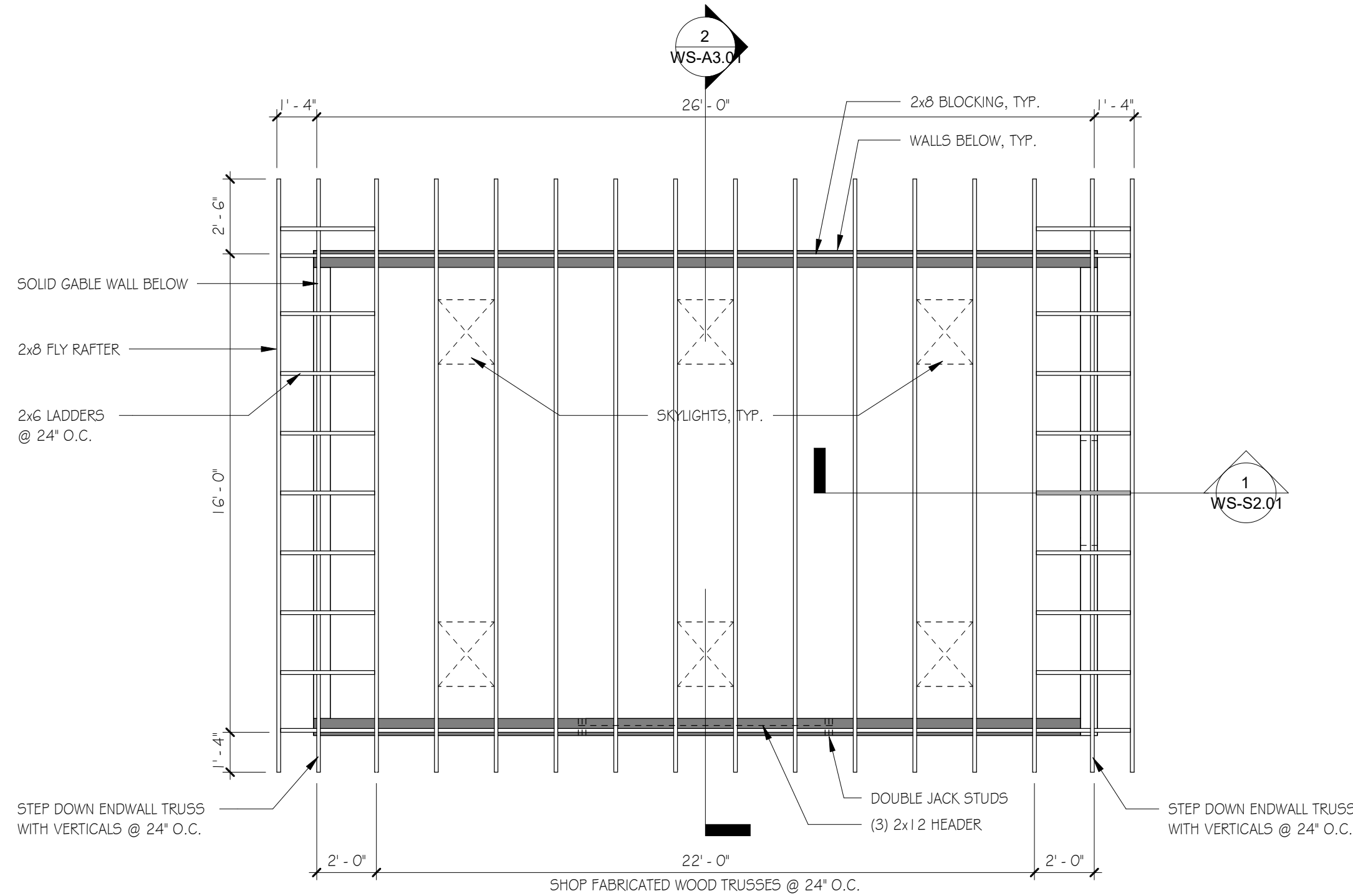
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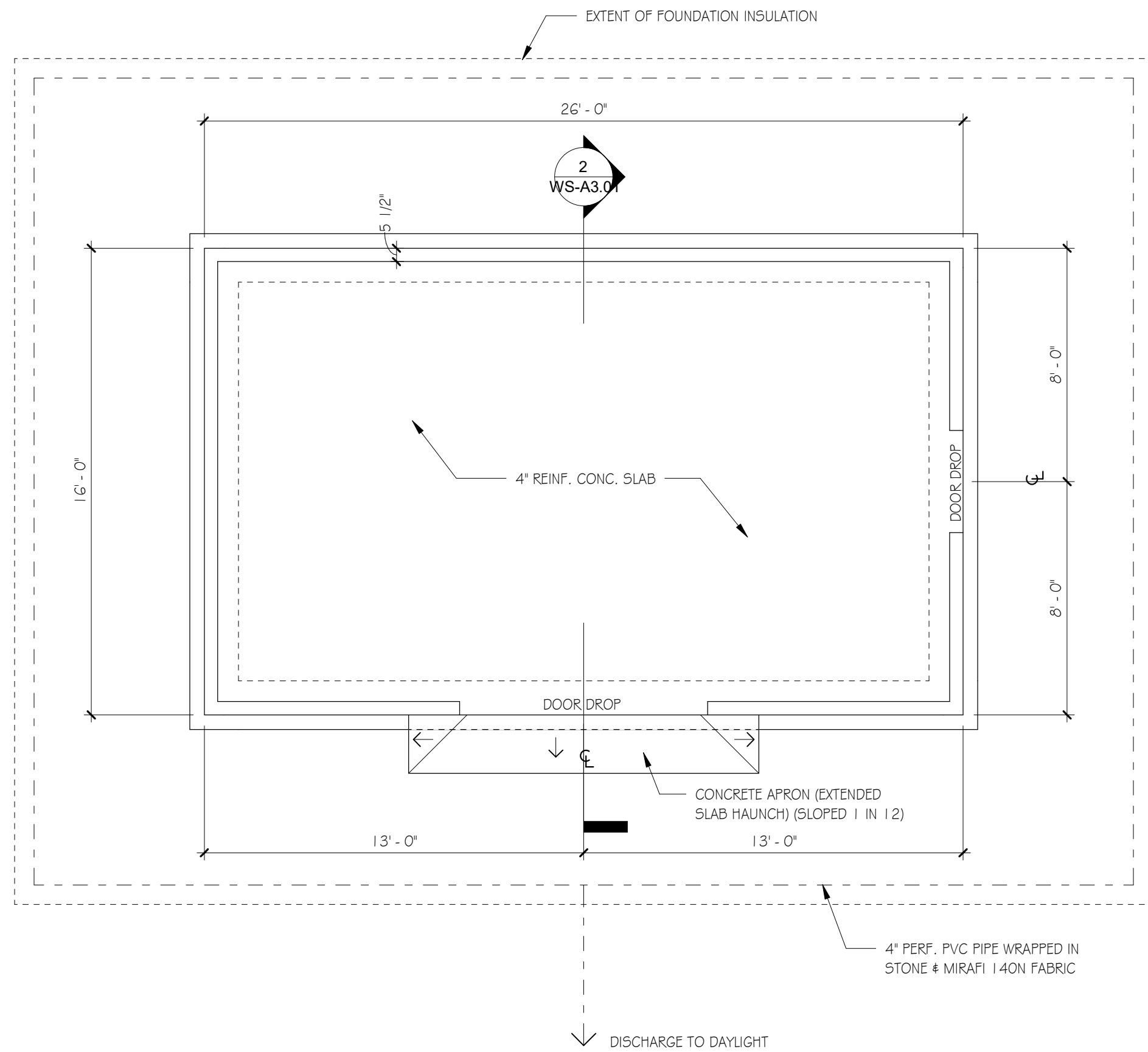
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3 FOUNDATION DETAIL
Scale: 1" = 1'-0"



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



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

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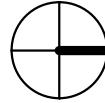
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WOODSHED -
FOUNDATION & ROOF
FRAMING PLANS & DETAILS

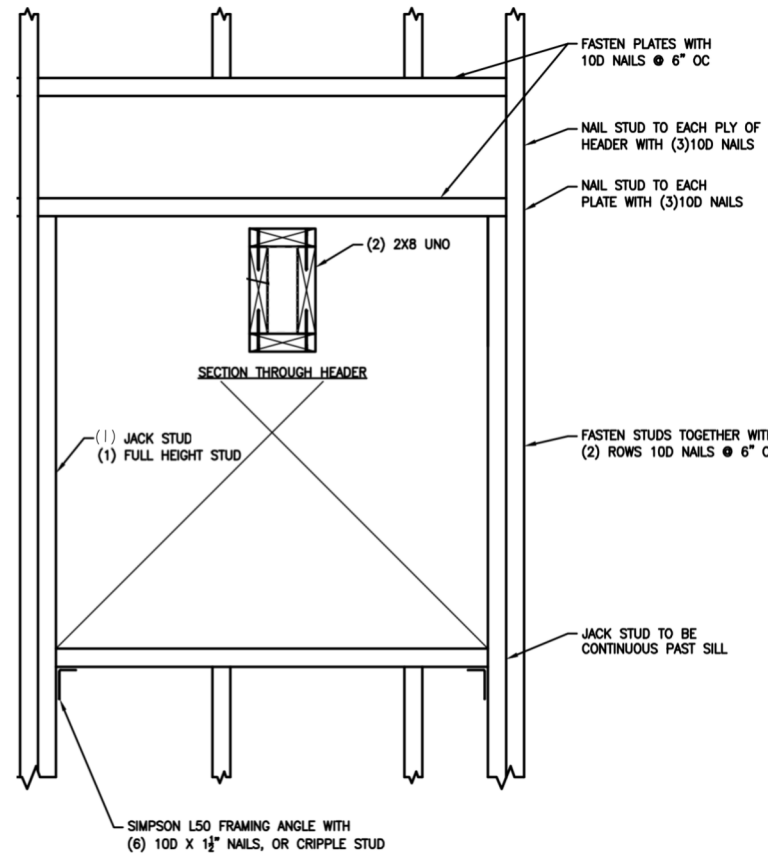
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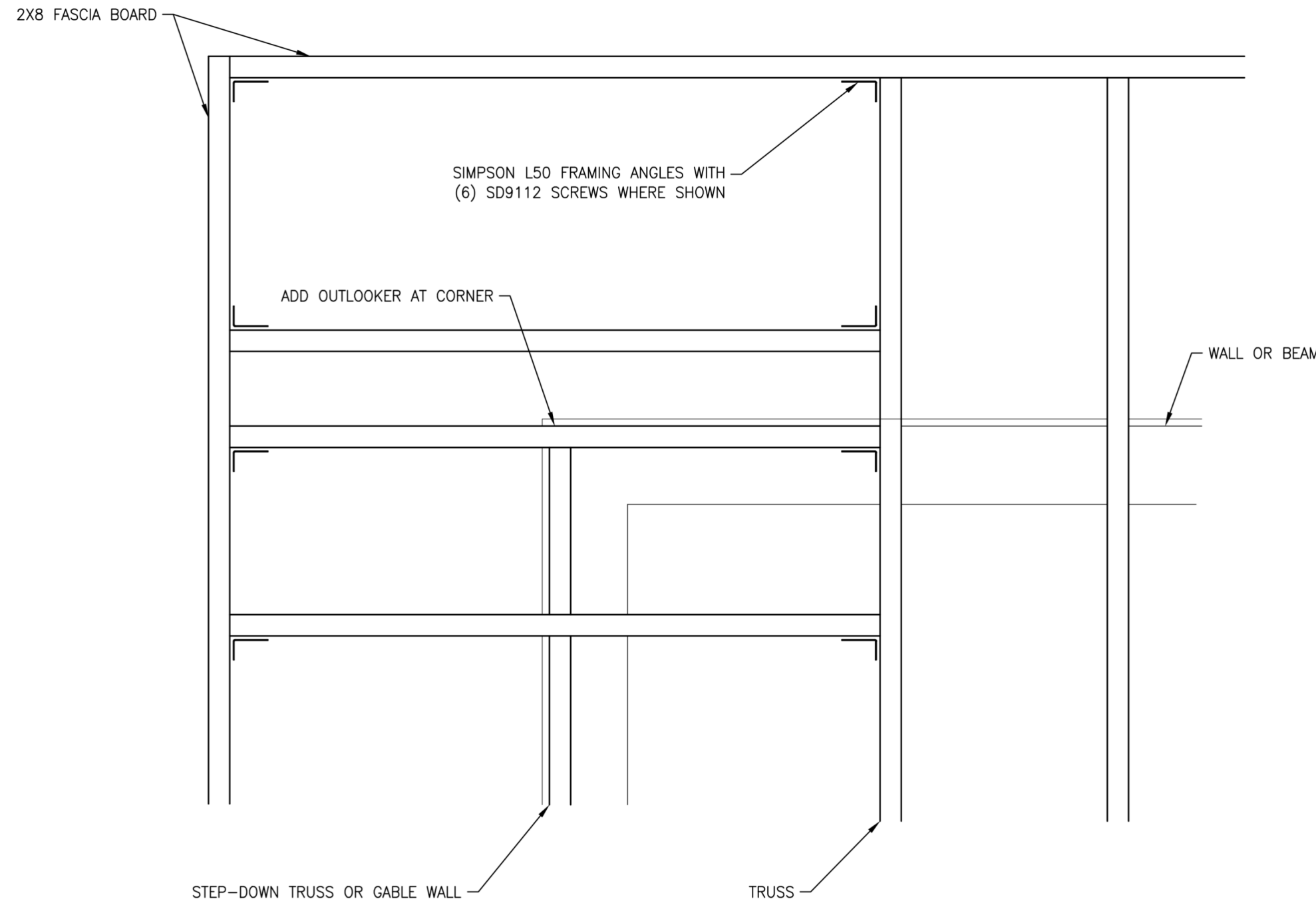
Project Number: 2136B

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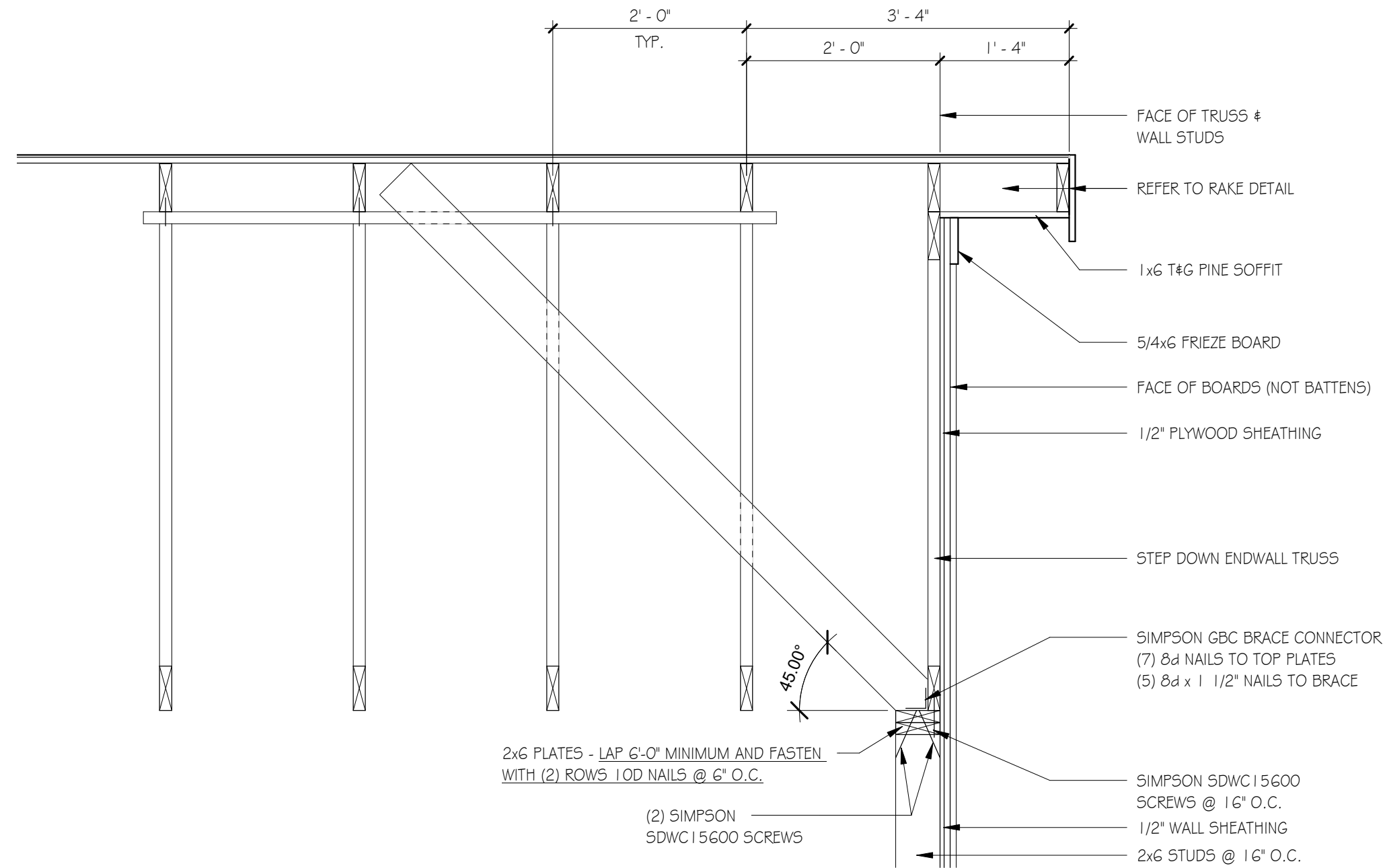
5/13/2024 1:48:48 PM C:\Users\Mike\Documents\Mollidgewock Wood Storage Building_Arch\Draw34.rvt



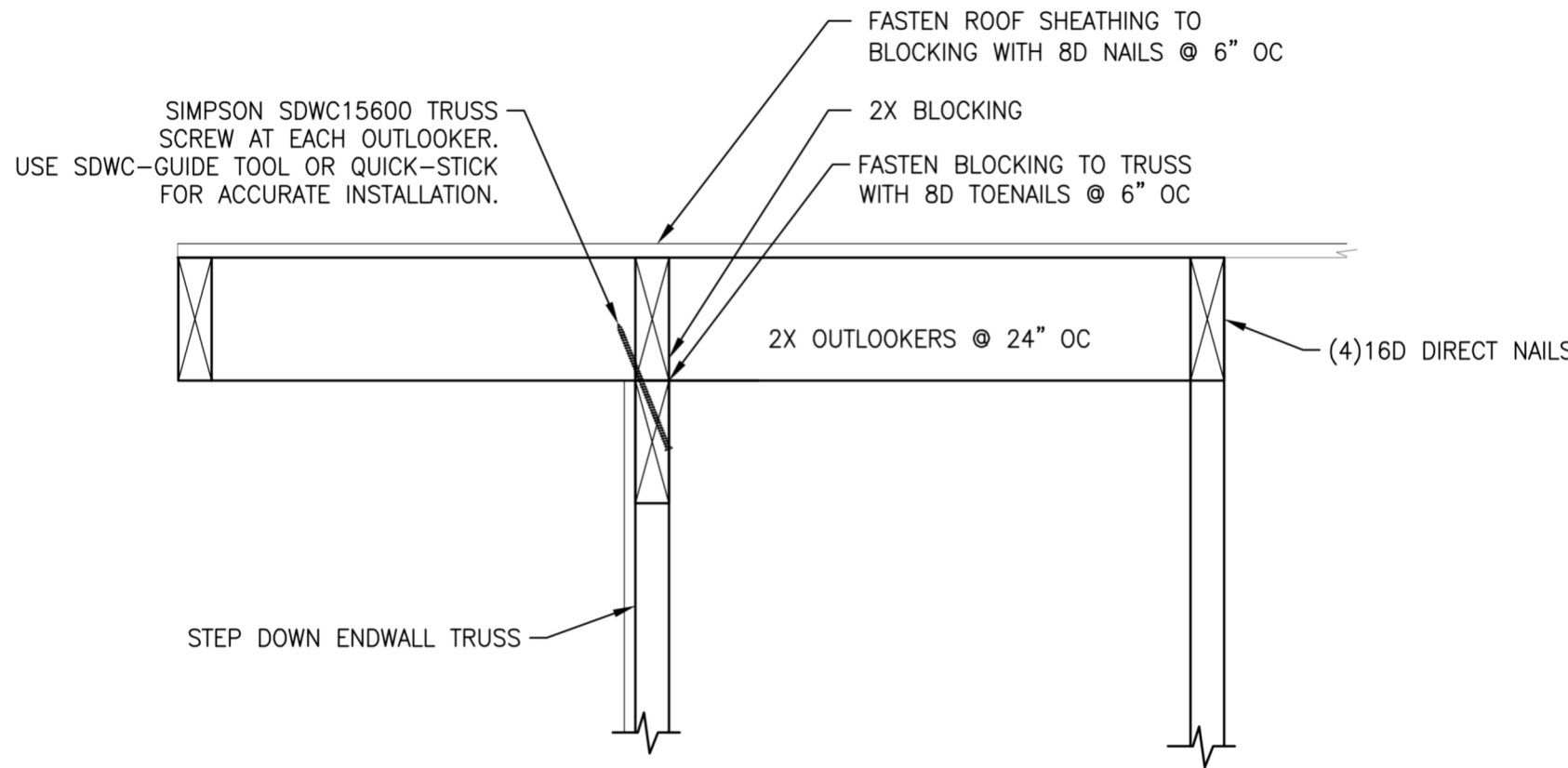
4 TYPICAL DOOR/WINDOW OPENING/HEADER DETAILS
Scale: 1/4" = 1'-0"



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



1 ROOF FRAMING SECTION
Scale: 3/4" = 1'-0"



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

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NH STATE PARKS

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

Issue

CONTRACT SET

Graphic Scale

North

Scale: As indicated

Date: May 8, 2024

Drawn By: MR

Checked By: JF

Issues:

No.	Description	Date

Title

WOODSHED -
ROOF FRAMING SECTION &
DETAILS

Sheet Number:

WS-S2.01

Project Number: 2136B

File: