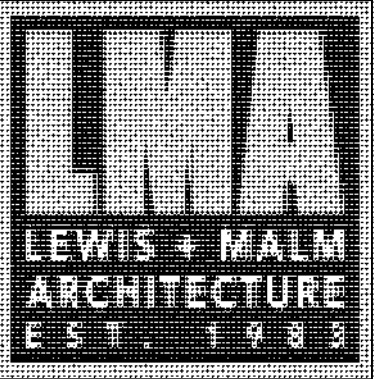


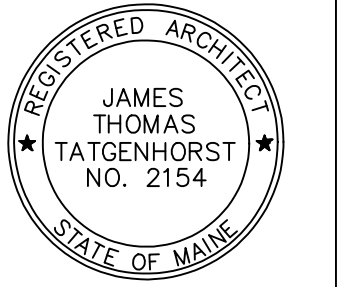
LAMOINE STATE PARK PROJECTS

GENERAL CONTRACTOR BID SET

20.SEPTEMBER.2024



119 MAIN ST.
P.O. BOX 1459
BUCKSPORT
MAINE 04416
207.469.7440



REV	DATE

LAMOINE STATE PARK BARN RENOVATION
LAMOINE, MAINE
COVER & DRAWING SCHEDULE

2308.01

A0

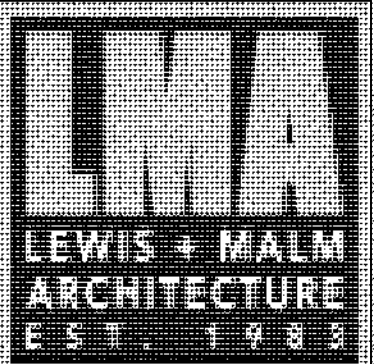
FULL DRAWING SCHEDULE

000s GENERAL NOTES		A108 WINDOW DETAILS	300s CAMPSITE INFRASTRUCTURE UPGRADE	
		A109 WALL SECTIONS		
DWG#	TITLE			
CO01	SITE GENERAL NOTES	M101	FIRST FLOOR HVAC PLANS	C301 WATER PLAN
CO02	EROSION CONTROL NOTES			C302 WATER PLAN
CO03	SITE LOCATION	E101	REMOVALS – OFFICE AREA	C303 WATER PLAN
E001	LIGHTING FIXTURE SCHEDULE	E102	SECOND FLOOR LIGHTING PLAN	C304 SITE LAYOUT PLAN
100s BARN RENOVATION		200s OFFICE RENOVATION		C305 SITE LAYOUT PLAN
C100	SITE REMOVALS PLAN	A200	OFFICE FLOOR PLAN & ELEVATIONS	C306 SITE LAYOUT PLAN
C101	SITE LAYOUT PLAN	A201	DOOR SCHEDULE, DOOR & WALL TYPES	C307 SITE DETAILS
C102	SITE DETAILS	A202	INTERIOR ELEVATIONS	E300 ELECTRICAL SITE PLAN
		A203	ADA TYPICAL DIMENSIONS	E301 SITE ELECTRICAL RISER DIAGRAM
S.000	GENERAL NOTES	A204	DECK & RAMP FRAMING	E302 CAMPSITE SCHEDULES & DETAILS
S.101	SECOND FLOOR FRAMING PLAN	A205	FINISH SCHEDULE & FINISH FLOOR PLAN	E303 ELECTRICAL PLAN
S.102	ROOF FRAMING PLAN	A206	DECK DETAILS	
S.110	TYPICAL X-SECTION @ INTERIOR ROOF TRUSS / MISC. DETAILS			P301 COMFORT STATION PLANS
S.201	BASEMENT FOUNDATION PLAN	M201	FIRST FLOOR HVAC REMOVALS PLANS	P302 PLUMBING SCHEDULES & DETAILS
S.202	FIRST FLOOR FRAMING PLAN	M202	FIRST FLOOR HVAC PLAN	
S.210	MISCELLANEOUS DETAILS	M203	SECOND FLOOR HVAC PLAN	
		M204	HVAC SCHEDULES & DETAILS	
R100	REMOVALS – FIRST & SECOND FLOOR BARN PLANS			
R102	REMOVALS – OFFICE AREA	E200	FIRST FLOOR ELECTRICAL REMOVALS PLAN	
A100	FIRST FLOOR BARN PLAN	E201	FIRST FLOOR LIGHTING PLAN	400s WELL SYSTEM UPGRADES & PUMPHOUSE
A101	SECOND FLOOR BARN PLAN	E202	FIRST FLOOR POWER & SYSTEMS PLAN	A401 WATER TREATMENT SYSTEM PUMPHOUSE BUILDING
A102	DOOR SCHEDULE, DOOR & WINDOW TYPES	E203	SECOND FLOOR POWER & SYSTEMS PLAN	
A103	ELEVATIONS			E401 ELECTRICAL PLAN
A104	ELEVATIONS	P201	BASEMENT & FIRST FLOOR REMOVALS PLAN	
A105	BUILDING SECTION	P202	FIRST FLOOR & BASEMENT PLUMBING PLANS	P401 PLUMBING SCHEDULES & DETAILS
A106	BUILDING DETAILS			
A107	WINDOW DETAILS			

LAMOINE STATE PARK PROJECTS

GENERAL CONTRACTOR BID SET

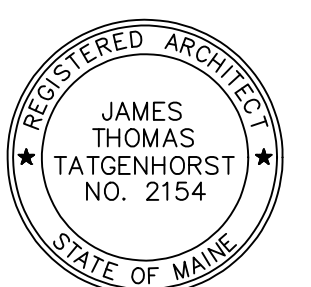
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FULL DRAWING SCHEDULE

500s GATEHOUSE & GATE		A602	ELEVATIONS		
		A603	FOUNDATION PLAN		
DWG#	TITLE	A604	FOUNDATION SECTION		
C500	SITE REMOVALS PLAN	A605	FOUNDATION DETAILS		
C501	SITE LAYOUT PLAN	A606	FRONT & REAR WALL FRAMING – 5 BAY		
C502	SITE DETAILS	A607	END WALL FRAMING		
		A608	BRACING DETAILS		
R500	REMOVALS FLOOR PLAN	A609	ROOF DETAILS		
R501	REMOVALS ELEVATION	A610	GENERAL NOTES & TIMBER SCHEDULE		
		A611	STAIRWAY OPTION ELEVATIONS		
A500	FIRST FLOOR PLAN	A612	STAIR FRAMING & FOUNDATIONS		
A501	ELEVATIONS	A613	STAIRWAY DETAILS		
A502	BUILDING SECTION, WINDOW & DOOR TYPES	A614	FRONT WALL SLIDING DOOR TRACK DETAILS		
A503	FOUNDATION PLAN	A615	SLIDING DOOR DETAILS		
A504	FRAMING PLAN	A616	END WALL LOFT DOOR OPTION		
A505	WINDOW & DOOR DETAILS				
A506	INTERIOR ELEVATIONS				
A507	CASEWORK DETAILS				
A508	GATE DETAILS				
E501	ELECTRICAL PLAN				
P501	PLUMBING PLANS, SCHEDULE DETAILS				
600s POLE BARN					
C600	POLE BARN SITE REMOVALS PLAN				
C601	POLE BARN SITE LAYOUT PLAN				
C602	POLE BARN SITE DETAILS				
A600	PINNACLE HILL ENGINEERING COVER SHEET				
A601	FLOOR PLAN				



REV	DATE

LAMOINE STATE PARK BARN RENOVATION
LAMOINE, MAINE
COVER & DRAWING SCHEDULE

2308.01

A0



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**NOT FOR
CONSTRUCTION
GC BID SET**

GENERAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, REGULATIONS AND STANDARDS AS SET FORTH WITHIN THIS PLAN SET AND SUPPLEMENTAL TECHNICAL SPECIFICATIONS.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT DIG SAFE. REACHING OUT TO 811, 888-344-7233 (888-DIG-SAFE) OR WWW.DIGSAFE.COM/EXACTIX TO OBTAIN A TICKET AT LEAST 72 HOURS PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.
3. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.).
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS PRIOR TO CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF EACH PERMIT AS THEY APPLY TO THE WORK AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION..
5. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR SITE CLEARING, THE LIMIT OF WORK SHALL BE CLEARLY MARKED IN THE FIELD BY THE CONTRACTOR AT 50-FOOT (+/-) INTERVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK WITHIN THE LIMIT OF WORK AND IS PROHIBITED FROM USING ANY AREA LOCATED OUTSIDE OF SUCH LIMIT.
6. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION CONTROL FACILITIES PRIOR TO THE COMMENCEMENT OF EARTHWORK OPERATIONS. EROSION CONTROL MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, ITEMS IDENTIFIED WITHIN THIS PLAN SET OR WITHIN THE "MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS" PUBLISHED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTIONS (MDEP) DATED 2014 (OR CURRENT EDITION). SEE EROSION & SEDIMENTATION CONTROL NOTES SHEET FOR FURTHER DETAIL.
7. ALL DISTURBED AREAS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DISTURBED AREAS SHALL NOT BE LEFT BARE FOR MORE THAN 30 DAYS, SHALL BE STABILIZED IN A MANNER TO MITIGATE EROSION OR SEDIMENTATION FROM EXITING THE LIMIT OF WORK AND SHALL BE RESTORED IN-KIND UPON COMPLETION OF THE PROJECT. THE MAXIMUM AREA ALLOWED TO BE DISTURBED AND LEFT UNSTABILIZED IS TWO (2) ACRES AT ANY ONE TIME. SEE EROSION & SEDIMENTATION CONTROL NOTES SHEET FOR FURTHER DETAIL.
8. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL AND SEDIMENTATION CONTROL DEVICES THROUGHOUT THE PROJECT SITE FOR THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL (DAILY OR AS REQUIRED) INSPECT AND RECORD FINDINGS OF ALL EROSION AND SEDIMENTATION CONTROL DEVICES TO ENSURE THAT ALL ITEMS ARE IN STABLE CONDITION. IN THE EVENT THAT SAID ITEMS ARE DETERMINED TO BE IN UNSATISFACTORY CONDITION, THE CONTRACTOR SHALL RECORD THE UNSATISFACTORY ISSUE, THE DATE THE UNSATISFACTORY FINDING, THE APPROPRIATE CORRECTIVE MEASURE AND THE DATE THE CORRECTIVE MEASURE WAS COMPLETED. SEE EROSION & SEDIMENTATION CONTROL NOTES SHEET FOR FURTHER DETAIL.
9. ALL CONCRETE AND BITUMINOUS PATCH AREAS SHALL MATCH EXISTING GRADES.
10. ALL CURB RADII ARE TO THE OUTSIDE FACE.
11. EXISTING SIGNS IMPACTED BY THIS PROJECT SHALL BE RESET AT NO ADDITIONAL COST TO THE OWNER. PLACEMENT SHALL CONFORM TO THE REQUIREMENTS OF THE M.U.T.C.D. (LATEST EDITION).
12. COMMON EXCAVATED MATERIALS MAY BE INCORPORATED INTO THE PROJECT. THIS PROVISION SHALL IN NO WAY RELIEVE THE CONTRACTOR OF THEIR OBLIGATIONS TO REMOVE AND DISPOSE OF ANY HAZARDOUS OR MATERIAL DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING OR EXCESS SUITABLE MATERIAL.
 - 12.1. CONTRACTOR SHALL ONLY DISPOSE OF COMMON EARTH AND LEDGE MATERIAL; NO ORGANIC.
 - 12.2. CONTRACTOR SHALL DISPOSE OF HAZARDOUS OR WASTE PRODUCTS IN ACCORDANCE TO LOCAL, STATE OR FEDERAL LAWS AND REGULATIONS.
 - 12.3. CONTRACTOR SHALL GRADE THAT DO NOT EXCEED 3H:1V SLOPES.
 - 12.4. CONTRACTOR SHALL LOAM AND SEED ALL DISTURBED AREAS UPON COMPLETION OF AREA'S USE.
 - 12.5. DISPOSAL AREA SHALL REMAIN UNDISTURBED IF NOT REQUIRED FOR USE BY THE CONTRACTOR. GRADING OF AREA SHALL CONFORM TO PRE-DISTURBANCE CONDITIONS TO THE EXTENT THAT SLOPES DO NOT EXCEED 3H:1V SLOPES. ALL STUMPS SHALL BE PROPERLY DISPOSED OF OFF-SITE.

SITE MAINTENANCE (UPON SUBSTANTIAL COMPLETION):

1. THE CONTRACTOR SHALL PERFORM THE FOLLOWING TASKS UPON SUBSTANTIAL COMPLETION, AND UP TO FINAL COMPLETION, OF THE PROJECT. SUBSEQUENT TO FINAL COMPLETION THE OWNER SHALL CONTINUE PERFORMING THE FOLLOWING TASKS;
 - 1.1. THE CONTRACTOR SHALL (NO LESS THAN A QUARTERLY BASIS) INSPECT AND RECORD FINDINGS OF ALL DRAINAGE STRUCTURES, PIPES, OUTLETS AND PONDS TO ENSURE THAT ALL DRAINAGE ITEMS ARE FREE FROM DEBRIS AND IN STABLE CONDITION. IN THE EVENT THAT DRAINAGE ITEMS ARE DETERMINED TO BE IN UNSATISFACTORY CONDITION, A RECORD OF THE UNSATISFACTORY ISSUE WILL BE DOCUMENTED AND INCLUDE THE DATE OF THE FINDING, THE APPROPRIATE CORRECTIVE MEASURE AND THE DATE THE CORRECTIVE MEASURE WAS COMPLETED.
 - 1.2. THE CONTRACTOR SHALL (NO LESS THAN AN ANNUAL BASIS) SWEEP, COLLECT AND REMOVE WINTER MAINTENANCE SAND, LITTER, SALT, ETC. OF ALL PAVED AND CONCRETE AREAS.
 - 1.3. THE CONTRACTOR SHALL (NO LESS THAN AN ANNUAL BASIS) INSPECT AND RECORD FINDINGS OF ALL APPARENT EROSION PROBLEMS, DESTABILIZATION OF SIDE SLOPES, EMBANKMENT SETTLING AND OTHER STRUCTURAL FAILURES. IN THE EVENT THAT ITEMS ARE DETERMINED TO BE IN UNSATISFACTORY CONDITION, A RECORD OF THE UNSATISFACTORY ISSUE WILL BE DOCUMENTED AND INCLUDE THE DATE OF THE UNSATISFACTORY FINDING, THE APPROPRIATE CORRECTIVE MEASURE AND THE DATE THE CORRECTIVE MEASURE WAS COMPLETED.
 - 1.4. THE CONTRACTOR SHALL (NO LESS THAN AN ANNUAL BASIS) INSPECT PVC DRAINAGE STRUCTURES TO ENSURE TOPSOIL SETTLEMENT HAS NOT OCCURRED; IF FOUND, ADDITIONAL LOAM & SEED SHALL BE PLACED PRIOR TO SEASONAL MOWING.

REVISIONS	BY	DATE	NUMBER	DESCRIPTION

STATE OF MAINE
BUREAU OF PARKS &
LANDS

106 HOGAN RD.,
SUITE 7
BANGOR, ME 04401

2308.01
LAMOINE
STATE PARK
BGS 3519

611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

SHEET TITLE:

SITE GENERAL
NOTES

D&K PROJECT # 229287	PROJ. ENG. JSK
DRAWN BY EBS	CHECKED BY JSK

DATE
20SEPT2024

SHEET NUMBER

C001

SHEET: 1 of 29 20

NOT FOR CONSTRUCTION GC BID SET

EROSION AND SEDIMENTATION CONTROL

A PERSON WHO CONDUCTS, OR CAUSES TO BE CONDUCTED, AN ACTIVITY THAT INVOLVES FILLING, DISPLACING OR EXPOSING SOIL OR OTHER EARTHEN MATERIALS SHALL TAKE MEASURES TO PREVENT UNREASONABLE EROSION OF SOIL OR SEDIMENT BEYOND THE PROJECT SITE OR INTO A PROTECTED NATURAL RESOURCE AS DEFINED IN MAINE STATUTE 38 M.R.S. §480-B. EROSION CONTROL MEASURES MUST BE IN PLACE BEFORE THE ACTIVITY BEGINS. MEASURES MUST REMAIN IN PLACE AND FUNCTIONAL UNTIL THE SITE IS PERMANENTLY STABILIZED. ADEQUATE AND TIMELY TEMPORARY AND PERMANENT STABILIZATION MEASURES MUST BE TAKEN.

NOTE: THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION ("DEPARTMENT") HAS PREPARED PROTOCOLS FOR THE CONTROL OF EROSION AND SEDIMENTATION. SEE "MAINE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES" AND "MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS".

- 1. POLLUTION PREVENTION. MINIMIZE DISTURBED AREAS AND PROTECT NATURAL DOWNGRADIENT BUFFER AREAS TO THE EXTENT PRACTICABLE. CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE SOIL EROSION. MINIMIZE THE DISTURBANCE OF STEEP SLOPES. CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOW RATES AND VOLUME, TO MINIMIZE EROSION AT OUTLETS. THE DISCHARGE MAY NOT RESULT IN EROSION OF ANY OPEN DRAINAGE CHANNELS, SWALES, STREAM CHANNELS OR STREAM BANKS, UPLAND, OR COASTAL OR FRESHWATER WETLANDS OFF THE PROJECT SITE.

WHENEVER PRACTICABLE, NO DISTURBANCE ACTIVITIES SHOULD TAKE PLACE WITHIN 50 FEET OF ANY PROTECTED NATURAL RESOURCE. IF DISTURBANCE ACTIVITIES TAKE PLACE BETWEEN 30 FEET AND 50 FEET OF ANY PROTECTED NATURAL RESOURCE, AND STORMWATER DISCHARGES THROUGH THE DISTURBED AREAS TOWARD THE PROTECTED NATURAL RESOURCE, PERIMETER EROSION CONTROLS MUST BE DOUBLED. IF DISTURBANCE ACTIVITIES TAKE PLACE LESS THAN 30 FEET FROM ANY PROTECTED NATURAL RESOURCE, AND STORMWATER DISCHARGES THROUGH THE DISTURBED AREAS TOWARD THE PROTECTED NATURAL RESOURCE, PERIMETER EROSION CONTROLS MUST BE DOUBLED AND DISTURBED AREAS MUST BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 7 DAYS.

NOTE: BUFFERS IMPROVE WATER QUALITY BY HELPING TO FILTER POLLUTANTS IN RUN-OFF BOTH DURING AND AFTER CONSTRUCTION. MINIMIZING DISTURBED AREAS THROUGH PHASING LIMITS THE AMOUNT OF EXPOSED SOIL ON THE SITE THROUGH RETENTION OF NATURAL COVER AND BY RETIRING AREAS AS PERMANENTLY STABILIZED. LESS EXPOSED SOIL RESULTS IN FEWER EROSION CONTROLS TO INSTALL AND MAINTAIN. IF WORK WITHIN AN AREA IS NOT ANTICIPATED TO BEGIN WITHIN TWO WEEKS' TIME, CONSIDER LEAVING THE AREA IN ITS NATURALLY EXISTING COVER.

NOTE: MANY CONSTRUCTION ACTIVITIES WITHIN 75 FEET OF A PROTECTED NATURAL RESOURCE REQUIRE A PERMIT UNDER THE NATURAL RESOURCES PROTECTION ACT PRIOR TO INITIATION. FOR MORE INFORMATION REGARDING THE APPLICABILITY OF THE NRPA TO YOUR PROJECT, YOU CAN VISIT THE DEPARTMENT'S WEBSITE AT HTTP://WWW.MAINE.GOV/DEP/LAND/NRPA/INDEX.HTML OR CONTACT STAFF OF THE DIVISION OF LAND RESOURCE REGULATION AT THE NEAREST REGIONAL OFFICE.

- 2. SEDIMENT BARRIERS. PRIOR TO CONSTRUCTION, PROPERLY INSTALL SEDIMENT BARRIERS AT THE DOWNGRADIENT EDGE OF ANY AREA TO BE DISTURBED AND ADJACENT TO ANY DRAINAGE CHANNELS WITHIN THE DISTURBED AREA. SEDIMENT BARRIERS SHOULD BE INSTALLED DOWNGRADIENT OF SOIL OR SEDIMENT STOCKPILES AND STORMWATER RUNNING ONTO THE STOCKPILE. MAINTAIN THE SEDIMENT BARRIERS BY REMOVING ACCUMULATED SEDIMENT, OR REMOVING AND REPLACING THE BARRIER, UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED. WHERE A DISCHARGE TO A STORM DRAIN INLET OCCURS, IF THE STORM DRAIN CARRIES WATER DIRECTLY TO A SURFACE WATER AND YOU HAVE AUTHORITY TO ACCESS THE STORM DRAIN INLET, YOU MUST INSTALL AND MAINTAIN PROTECTION MEASURES THAT REMOVE SEDIMENT FROM THE DISCHARGE.
3. STABILIZED CONSTRUCTION ENTRANCE. PRIOR TO CONSTRUCTION, PROPERLY INSTALL A STABILIZED CONSTRUCTION ENTRANCE (SCE) AT ALL POINTS OF EGRESS FROM THE SITE. THE SCE IS A STABILIZED PAD OF AGGREGATE, UNDERLAIN BY A GEOTEXTILE FILTER FABRIC, USED TO PREVENT TRAFFIC FROM TRACKING MATERIAL AWAY FROM THE SITE ONTO PUBLIC ROWS. MAINTAIN THE SCE UNTIL ALL DISTURBED AREAS ARE STABILIZED.
4. TEMPORARY STABILIZATION. WITHIN 7 DAYS OF THE CESSATION OF CONSTRUCTION ACTIVITIES IN AN AREA THAT WILL NOT BE WORKED FOR MORE THAN 7 DAYS, STABILIZE ANY EXPOSED SOIL WITH MULCH, OR OTHER NON-ERODIBLE COVER. STABILIZE AREAS WITHIN 75 FEET OF A WETLAND OR WATERBODY WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OF THE SOIL OR PRIOR TO ANY STORM EVENT, WHICHEVER COMES FIRST.
5. REMOVAL OF TEMPORARY MEASURES. REMOVE ANY TEMPORARY CONTROL MEASURES, SUCH AS SILT FENCE, WITHIN 30 DAYS AFTER PERMANENT STABILIZATION IS ATTAINED. REMOVE ANY ACCUMULATED SEDIMENTS AND STABILIZE.

NOTE: IT IS RECOMMENDED THAT SILT FENCES BE REMOVED BY CUTTING THE FENCE MATERIALS AT GROUND LEVEL TO AVOID ADDITIONAL SOIL DISTURBANCE.

- 6. PERMANENT STABILIZATION. IF THE AREA WILL NOT BE WORKED FOR MORE THAN ONE YEAR OR HAS BEEN BROUGHT TO FINAL GRADE, THEN PERMANENTLY STABILIZE THE AREA WITHIN 7 DAYS BY PLANTING VEGETATION, SEEDING, SOD, OR THROUGH THE USE OF PERMANENT MULCH, OR RIPRAP, OR ROAD SUB-BASE. IF USING VEGETATION FOR STABILIZATION, SELECT THE PROPER VEGETATION FOR THE LIGHT, MOISTURE, AND SOIL CONDITIONS; AMEND AREAS OF DISTURBED SOILS WITH TOPSOIL, COMPOST, OR FERTILIZERS; PROTECT SEEDED AREAS WITH MULCH OR, IF NECESSARY, EROSION CONTROL BLANKETS; AND SCHEDULE SODDING, PLANTING, AND SEEDING SO TO AVOID DIE-OFF FROM SUMMER DROUGHT AND FALL FROSTS. NEWLY SEEDD OR SODDED AREAS MUST BE PROTECTED FROM VEHICLE TRAFFIC, EXCESSIVE PEDESTRIAN TRAFFIC, AND CONCENTRATED RUNOFF UNTIL THE VEGETATION IS WELL-ESTABLISHED WITH 90% COVER BY HEALTHY VEGETATION. IF NECESSARY, AREAS MUST BE REWORKED AND RESTABILIZED IF GERMINATION IS SPARSE, PLANT COVERAGE IS SPOTTY, OR TOPSOIL EROSION IS EVIDENT. ONE OR MORE OF THE FOLLOWING MAY APPLY TO A PARTICULAR SITE.

- (A) SEEDD AREAS. FOR SEEDD AREAS, PERMANENT STABILIZATION MEANS A 90% COVER OF THE DISTURBED AREA WITH MATURE, HEALTHY PLANTS WITH NO EVIDENCE OF WASHING OR RILLING OF THE TOPSOIL.
(B) SODDED AREAS. FOR SODDED AREAS, PERMANENT STABILIZATION MEANS THE COMPLETE BINDING OF THE SOD ROOTS INTO THE UNDERLYING SOIL WITH NO SLUMPING OF THE SOD OR DIE-OFF.
(C) PERMANENT MULCH. FOR MULCHED AREAS, PERMANENT MULCHING MEANS TOTAL COVERAGE OF THE EXPOSED AREA WITH AN APPROVED MULCH MATERIAL. EROSION CONTROL MIX MAY BE USED AS MULCH FOR PERMANENT STABILIZATION ACCORDING TO THE APPROVED APPLICATION RATES AND LIMITATIONS.
(D) RIPRAP. FOR AREAS STABILIZED WITH RIPRAP, PERMANENT STABILIZATION MEANS THAT SLOPES STABILIZED WITH RIPRAP HAVE AN APPROPRIATE BACKING OF A WELL-GRADED GRAVEL OR APPROVED GEOTEXTILE TO PREVENT SOIL MOVEMENT FROM BEHIND THE RIPRAP. STONE MUST BE SIZED APPROPRIATELY. IT IS RECOMMENDED THAT ANGULAR STONE BE USED.
(E) AGRICULTURAL USE. FOR CONSTRUCTION PROJECTS ON LAND USED FOR AGRICULTURAL PURPOSES (E.G., PIPELINES ACROSS CROP LAND), PERMANENT STABILIZATION MAY BE ACCOMPLISHED BY RETURNING THE DISTURBED LAND TO AGRICULTURAL USE.
(F) PAVED AREAS. FOR PAVED AREAS, PERMANENT STABILIZATION MEANS THE PLACEMENT OF THE COMPACTED GRAVEL SUBBASE IS COMPLETED, PROVIDED IT IS FREE OF FINE MATERIALS THAT MAY RUNOFF WITH A RAIN EVENT
(G) DITCHES, CHANNELS, AND SWALES. FOR OPEN CHANNELS, PERMANENT STABILIZATION MEANS THE CHANNEL IS STABILIZED WITH A 90% COVER OF HEALTHY VEGETATION, WITH A WELL-GRADED RIPRAP LINING, TURF REINFORCEMENT MAT, OR WITH ANOTHER NON-EROSIVE LINING SUCH AS CONCRETE OR ASPHALT PAVEMENT. THERE MUST BE NO EVIDENCE OF SLUMPING OF THE CHANNEL LINING, UNDERCUTTING OF THE CHANNEL BANKS, OR DOWN-CUTTING OF THE CHANNEL.

- 7. WINTER CONSTRUCTION. "WINTER CONSTRUCTION" IS CONSTRUCTION ACTIVITY PERFORMED DURING THE PERIOD FROM NOVEMBER 1 THROUGH APRIL 15. IF DISTURBED AREAS ARE NOT STABILIZED WITH PERMANENT MEASURES BY NOVEMBER 1 OR NEW SOIL DISTURBANCE OCCURS AFTER NOVEMBER 1, BUT BEFORE APRIL 15, THEN THESE AREAS MUST BE PROTECTED AND RUNOFF FROM THEM MUST BE CONTROLLED BY ADDITIONAL MEASURES AND RESTRICTIONS.

- (A) SITE STABILIZATION. FOR WINTER STABILIZATION, HAY MULCH IS APPLIED AT TWICE THE STANDARD TEMPORARY STABILIZATION RATE. AT THE END OF EACH CONSTRUCTION DAY, AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE MUST BE STABILIZED. MULCH MAY NOT BE SPREAD ON TOP OF SNOW.
(B) SEDIMENT BARRIERS. ALL AREAS WITHIN 75 FEET OF A PROTECTED NATURAL RESOURCE MUST BE PROTECTED WITH A DOUBLE ROW OF SEDIMENT BARRIERS.
(C) DITCH. ALL VEGETATED DITCH LINES THAT HAVE NOT BEEN STABILIZED BY NOVEMBER 1, OR WILL BE WORKED DURING THE WINTER CONSTRUCTION PERIOD, MUST BE STABILIZED WITH AN APPROPRIATE STONE LINING BACKED BY AN APPROPRIATE GRAVEL BED OR GEOTEXTILE UNLESS SPECIFICALLY RELEASED FROM THIS STANDARD BY THE DEPARTMENT.
(D) SLOPES. MULCH NETTING MUST BE USED TO ANCHOR MULCH ON ALL SLOPES GREATER THAN 8% UNLESS EROSION CONTROL BLANKETS OR EROSION CONTROL MIX IS BEING USED ON THESE SLOPES.

NOTE: THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION HAS PREPARED PROTOCOLS FOR THE CONTROL OF EROSION AND SEDIMENTATION. SEE "MAINE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES" AND "MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS".

- 8. STORMWATER CHANNELS, DITCHES, SWALES, AND OTHER OPEN STORMWATER CHANNELS MUST BE DESIGNED, CONSTRUCTED, AND STABILIZED USING MEASURES THAT ACHIEVE LONG-TERM EROSION CONTROL. DITCHES, SWALES AND OTHER OPEN STORMWATER CHANNELS MUST BE SIZED TO HANDLE, AT A MINIMUM, THE EXPECTED VOLUME RUN-OFF. EACH CHANNEL SHOULD BE CONSTRUCTED IN SECTIONS SO THAT THE SECTION'S GRADING, SHAPING, AND INSTALLATION OF THE PERMANENT LINING CAN BE COMPLETED THE SAME DAY. IF A CHANNEL'S FINAL GRADING OR LINING INSTALLATION MUST BE DELAYED, THEN DIVERSION BERMS MUST BE USED TO DIVERT STORMWATER AWAY FROM THE CHANNEL. PROPERLY-SPACED CHECK DAMS MUST BE INSTALLED IN THE CHANNEL TO SLOW THE WATER VELOCITY, AND A TEMPORARY LINING INSTALLED ALONG THE CHANNEL TO PREVENT SCOURING. PERMANENT STABILIZATION FOR CHANNELS IS ADDRESSED UNDER APPENDIX A(5)(G) ABOVE.
(A) THE CHANNEL SHOULD RECEIVE ADEQUATE ROUTINE MAINTENANCE TO MAINTAIN CAPACITY AND PREVENT OR CORRECT ANY EROSION OF THE CHANNEL'S BOTTOM OR SIDE SLOPES.
(B) WHEN THE WATERSHED DRAINING TO A DITCH OR SWALE IS LESS THAN 1 ACRE OF TOTAL DRAINAGE AND LESS THAN 1/2 ACRE OF IMPERVIOUS AREA, DIVERSION OF RUNOFF TO ADJACENT WOODED OR OTHERWISE VEGETATED BUFFER AREAS IS ENCOURAGED WHERE THE OPPORTUNITY EXISTS.

- 9. SEDIMENT BASINS. SEDIMENT BASINS MUST BE DESIGNED TO PROVIDE STORAGE FOR EITHER THE CALCULATED RUNOFF FROM A 2-YEAR, 24-HOUR STORM OR PROVIDE FOR 3,600 CUBIC FEET OF CAPACITY PER ACRE DRAINING TO THE BASIN. OUTLET STRUCTURES MUST DISCHARGE WATER FROM THE SURFACE OF THE BASIN WHENEVER POSSIBLE. EROSION CONTROLS AND VELOCITY DISSIPATION DEVICES MUST BE USED IF THE DISCHARGING WATERS ARE LIKELY TO CREATE EROSION. ACCUMULATED SEDIMENT MUST BE REMOVED AS NEEDED FROM THE BASIN TO MAINTAIN AT LEAST 1/2 OF THE DESIGN CAPACITY OF THE BASIN.

THE USE OF CATIONIC TREATMENT CHEMICALS, SUCH AS POLYMERS, FLOCCULANTS, OR OTHER CHEMICALS THAT CONTAIN AN OVERALL POSITIVE CHARGE DESIGNED TO REDUCE TURBIDITY IN STORMWATER MUST RECEIVE PRIOR APPROVAL FROM THE DEPARTMENT. WHEN REQUESTING APPROVAL TO USE CATIONIC TREATMENT CHEMICALS, YOU MUST DESCRIBE APPROPRIATE CONTROLS AND IMPLEMENTATION PROCEDURES TO ENSURE THE USE WILL NOT LEAD TO A VIOLATION OF WATER QUALITY STANDARDS. IN ADDITION, YOU MUST SPECIFY THE TYPE(S) OF SOIL LIKELY TO BE TREATED ON THE SITE, CHEMICALS TO BE USED AND HOW THEY ARE TO BE APPLIED AND IN WHAT QUANTITY, ANY MANUFACTURER'S RECOMMENDATIONS, AND ANY TRAINING HAD BY PERSONNEL WHO WILL HANDLE AND APPLY THE CHEMICALS.

- 10. ROADS. GRAVEL AND PAVED ROADS MUST BE DESIGNED AND CONSTRUCTED WITH CROWNS OR OTHER MEASURES, SUCH AS WATER BARS, TO ENSURE THAT STORMWATER IS DELIVERED IMMEDIATELY TO ADJACENT STABLE DITCHES, VEGETATED BUFFER AREAS, CATCH BASIN INLETS, OR STREET GUTTERS.

NOTE: (1) GRAVEL AND PAVED ROADS SHOULD BE MAINTAINED SO THAT THEY CONTINUE TO CONFORM TO THIS STANDARD IN ORDER TO PREVENT EROSION PROBLEMS. (2) THE DEPARTMENT RECOMMENDS THAT IMPERVIOUS SURFACES, INCLUDING ROADS, BE DESIGNED AND CONSTRUCTED SO THAT STORMWATER IS DISTRIBUTED IN SHEET FLOW TO NATURAL VEGETATED BUFFER AREAS WHEREVER SUCH AREAS ARE AVAILABLE. ROAD DITCHES SHOULD BE DESIGNED SO THAT STORMWATER IS FREQUENTLY (AT LEAST EVERY 100 TO 200 FEET) DISCHARGED VIA DITCH TURNOUTS IN SHEET FLOW TO ADJACENT NATURAL BUFFER AREAS WHEREVER POSSIBLE.

- 11. CULVERTS. CULVERTS MUST BE SIZED TO AVOID UNINTENDED FLOODING OF UPSTREAM AREAS OR FREQUENT OVERTOPPING OF ROADWAYS. CULVERT INLETS MUST BE PROTECTED WITH APPROPRIATE MATERIALS FOR THE EXPECTED ENTRANCE VELOCITY, AND PROTECTION MUST EXTEND AT LEAST AS HIGH AS THE EXPECTED MAXIMUM ELEVATION OF STORAGE BEHIND THE CULVERT. CULVERT OUTLET DESIGN MUST INCORPORATE MEASURES, SUCH AS APRONS, TO PREVENT SCOUR OF THE STREAM CHANNEL. OUTLET PROTECTION MEASURES MUST BE DESIGNED TO STAY WITHIN THE CHANNEL LIMITS. THE DESIGN MUST TAKE ACCOUNT OF TAILWATER DEPTH.
12. PARKING AREAS. PARKING AREAS MUST BE CONSTRUCTED TO ENSURE RUNOFF IS DELIVERED TO ADJACENT SWALES, CATCH BASINS, CURB GUTTERS, OR BUFFER AREAS WITHOUT ERODING AREAS DOWNSLOPE. THE PARKING AREA'S SUBBASE COMPACTION AND GRADING MUST BE DONE TO ENSURE RUNOFF IS EVENLY DISTRIBUTED TO ADJACENT BUFFERS OR SIDE SLOPES. CATCH BASINS MUST BE LOCATED AND SET TO PROVIDE ENOUGH STORAGE DEPTH AT THE INLET TO ALLOW INFLOW OF PEAK RUNOFF RATES WITHOUT BY-PASS OF RUNOFF TO OTHER AREAS.
13. ADDITIONAL REQUIREMENTS. ADDITIONAL REQUIREMENTS MAY BE APPLIED ON A SITE-SPECIFIC BASIS.

INSPECTION AND MAINTENANCE

THE FOLLOWING STANDARDS MUST BE MET DURING CONSTRUCTION.

- 1. INSPECTION AND CORRECTIVE ACTION. INSPECT DISTURBED AND IMPERVIOUS AREAS, EROSION CONTROL MEASURES, MATERIALS STORAGE AREAS THAT ARE EXPOSED TO PRECIPITATION, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. INSPECT THESE AREAS AT LEAST ONCE A WEEK AS WELL AS BEFORE AND WITHIN 24 HOURS AFTER A STORM EVENT (RAINFALL), AND PRIOR TO COMPLETING PERMANENT STABILIZATION MEASURES. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING THE STANDARDS AND CONDITIONS IN THE PERMIT, SHALL CONDUCT THE INSPECTIONS.
2. MAINTENANCE. IF BEST MANAGEMENT PRACTICES (BMPs) NEED TO BE REPAIRED, THE REPAIR WORK SHOULD BE INITIATED UPON DISCOVERY OF THE PROBLEM BUT NO LATER THAN THE END OF THE NEXT WORKDAY. IF ADDITIONAL BMPs OR SIGNIFICANT REPAIR OF BMPs ARE NECESSARY, IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EVENT (RAINFALL). ALL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION UNTIL AREAS ARE PERMANENTLY STABILIZED.
3. DOCUMENTATION. KEEP A LOG (REPORT) SUMMARIZING THE INSPECTIONS AND ANY CORRECTIVE ACTION TAKEN. THE LOG MUST INCLUDE THE NAME(S) AND QUALIFICATIONS OF THE PERSON MAKING THE INSPECTIONS, THE DATE(S) OF THE INSPECTIONS, AND MAJOR OBSERVATIONS ABOUT THE OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS, MATERIALS STORAGE AREAS, AND VEHICLES ACCESS POINTS TO THE PARCEL. MAJOR OBSERVATIONS MUST INCLUDE BMPs THAT NEED MAINTENANCE, BMPs THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATION(S) WHERE ADDITIONAL BMPs ARE NEEDED. FOR EACH BMP REQUIRING MAINTENANCE, BMP NEEDING REPLACEMENT, AND LOCATION NEEDING ADDITIONAL BMPs, NOTE IN THE LOG THE CORRECTIVE ACTION TAKEN AND WHEN IT WAS TAKEN.

THE LOG MUST BE MADE ACCESSIBLE TO DEPARTMENT STAFF AND A COPY MUST BE PROVIDED UPON REQUEST. THE PERMITTEE SHALL RETAIN A COPY OF THE LOG FOR A PERIOD OF AT LEAST THREE YEARS FROM THE COMPLETION OF PERMANENT STABILIZATION.

HOUSEKEEPING

- 1. SPILL PREVENTION. CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER, WHICH INCLUDES STORAGE PRACTICES TO MINIMIZE

EXPOSURE OF THE MATERIALS TO STORMWATER. THE SITE CONTRACTOR OR OPERATOR MUST DEVELOP, AND IMPLEMENT AS NECESSARY, APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING MEASURES.

NOTE: ANY SPILL OR RELEASE OF TOXIC OR HAZARDOUS SUBSTANCES MUST BE REPORTED TO THE DEPARTMENT. FOR OIL SPILLS, CALL 1-800-482-0777 WHICH IS AVAILABLE 24 HOURS A DAY. FOR SPILLS OF TOXIC OR HAZARDOUS MATERIAL, CALL 1-800-452-4864 WHICH IS AVAILABLE 24 HOURS A DAY. FOR MORE INFORMATION, VISIT THE DEPARTMENT'S WEBSITE AT: HTTP://WWW.MAINE.GOV/DEP/SPILLS/EMERGSPIRESPI/

- 2. GROUNDWATER PROTECTION. DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS. ANY PROJECT PROPOSING INFILTRATION OF STORMWATER MUST PROVIDE ADEQUATE PRE-TREATMENT OF STORMWATER PRIOR TO DISCHARGE OF STORMWATER TO THE INFILTRATION AREA, OR PROVIDE FOR TREATMENT WITHIN THE INFILTRATION AREA, IN ORDER TO PREVENT THE ACCUMULATION OF FINES, REDUCTION IN INFILTRATION RATE, AND CONSEQUENT FLOODING AND DESTABILIZATION.

NOTE: LACK OF APPROPRIATE POLLUTANT REMOVAL BEST MANAGEMENT PRACTICES (BMPs) MAY RESULT IN VIOLATIONS OF THE GROUNDWATER QUALITY STANDARD ESTABLISHED BY MAINE STATUTE 38 M.R.S.A. §465-C(1).

- 3. FUGITIVE SEDIMENT AND DUST. ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL, BUT OTHER WATER ADDITIVES MAY BE CONSIDERED AS NEEDED. A STABILIZED CONSTRUCTION ENTRANCE (SCE) SHOULD BE INCLUDED TO MINIMIZE TRACKING OF MUD AND SEDIMENT. IF OFF-SITE TRACKING OCCURS, PUBLIC ROADS SHOULD BE SWEEP IMMEDIATELY AND NO LESS THAN ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS. OPERATIONS DURING DRY MONTHS, THAT EXPERIENCE FUGITIVE DUST PROBLEMS, SHOULD WET DOWN UNPAVED ACCESS ROADS ONCE A WEEK OR MORE FREQUENTLY AS NEEDED WITH A WATER ADDITIVE TO SUPPRESS FUGITIVE SEDIMENT AND DUST.

NOTE: DEWATERING A STREAM WITHOUT A PERMIT FROM THE DEPARTMENT MAY VIOLATE STATE WATER QUALITY STANDARDS AND THE NATURAL RESOURCES PROTECTION ACT.

- 4. DEBRIS AND OTHER MATERIALS. MINIMIZE THE EXPOSURE OF CONSTRUCTION DEBRIS, BUILDING AND LANDSCAPING MATERIALS, TRASH, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS TO PRECIPITATION AND STORMWATER RUNOFF. THESE MATERIALS MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.

NOTE: TO PREVENT THESE MATERIALS FROM BECOMING A SOURCE OF POLLUTANTS, CONSTRUCTION AND POST-CONSTRUCTION ACTIVITIES RELATED TO A PROJECT MAY BE REQUIRED TO COMPLY WITH APPLICABLE PROVISIONS OF RULES RELATED TO SOLID, UNIVERSAL, AND HAZARDOUS WASTE, INCLUDING, BUT NOT LIMITED TO, THE MAINE SOLID WASTE AND HAZARDOUS WASTE MANAGEMENT RULES; MAINE HAZARDOUS WASTE MANAGEMENT RULES; MAINE OIL CONVEYANCE AND STORAGE RULES; AND MAINE PESTICIDE REQUIREMENTS.

- 5. EXCAVATION DE-WATERING. EXCAVATION DE-WATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFER DAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, MUST BE SPREAD THROUGH NATURAL WOODDED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE. LIKE A COFFERDAM SEDIMENTATION BASIN, AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED BY THE DEPARTMENT.

NOTE: DEWATERING CONTROLS ARE DISCUSSED IN THE "MAINE EROSION AND SEDIMENT CONTROL BMPs, MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION."

- 6. AUTHORIZED NON-STORMWATER DISCHARGES. IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES. WHERE ALLOWED NON-STORMWATER DISCHARGES EXIST, THEY MUST BE IDENTIFIED AND STEPS SHOULD BE TAKEN TO ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE DISCHARGE. AUTHORIZED NON-STORMWATER DISCHARGES ARE:
(A) DISCHARGES FROM FIREFIGHTING ACTIVITY;
(B) FIRE HYDRANT FLUSHINGS;
(C) VEHICLE WASHWATER IF DETERGENTS ARE NOT USED AND WASHING IS LIMITED TO THE EXTERIOR OF VEHICLES (ENGINE, UNDERCARRIAGE AND TRANSMISSION WASHING IS PROHIBITED);
(D) DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND APPENDIX C(3);
(E) ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS;
(F) PAVEMENT WASHWATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOT USED;
(G) UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE;
(H) UNCONTAMINATED GROUNDWATER OR SPRING WATER;
(I) FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED;
(J) UNCONTAMINATED EXCAVATION DEWATERING (SEE REQUIREMENTS IN APPENDIX C(5));
(K) POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; AND
(L) LANDSCAPE IRRIGATION.

UNAUTHORIZED NON-STORMWATER DISCHARGES . THE DEPARTMENT'S APPROVAL UNDER THIS CHAPTER DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NON-STORMWATER, OTHER THAN THOSE DISCHARGES IN COMPLIANCE WITH APPENDIX C (6). SPECIFICALLY, THE DEPARTMENT'S APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:

- (A) WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS;
(B) FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
(C) SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; AND
(D) TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

- 8. ADDITIONAL REQUIREMENTS. ADDITIONAL REQUIREMENTS MAY BE APPLIED ON A SITE-SPECIFIC BASIS.

Table with columns for REVISIONS, REVISION DESCRIPTION, DATE, and NUMBER. The table is currently empty.

STATE OF MAINE BUREAU OF PARKS & LANDS
106 HOGAN RD., SUITE 7 BANGOR, ME 04401

2308.01 LAMOINE STATE PARK BGS 3519
611 LAMOINE BEACH RD. LAMOINE BEACH, ME 04605

SHEET TITLE:
EROSION CONTROL NOTES

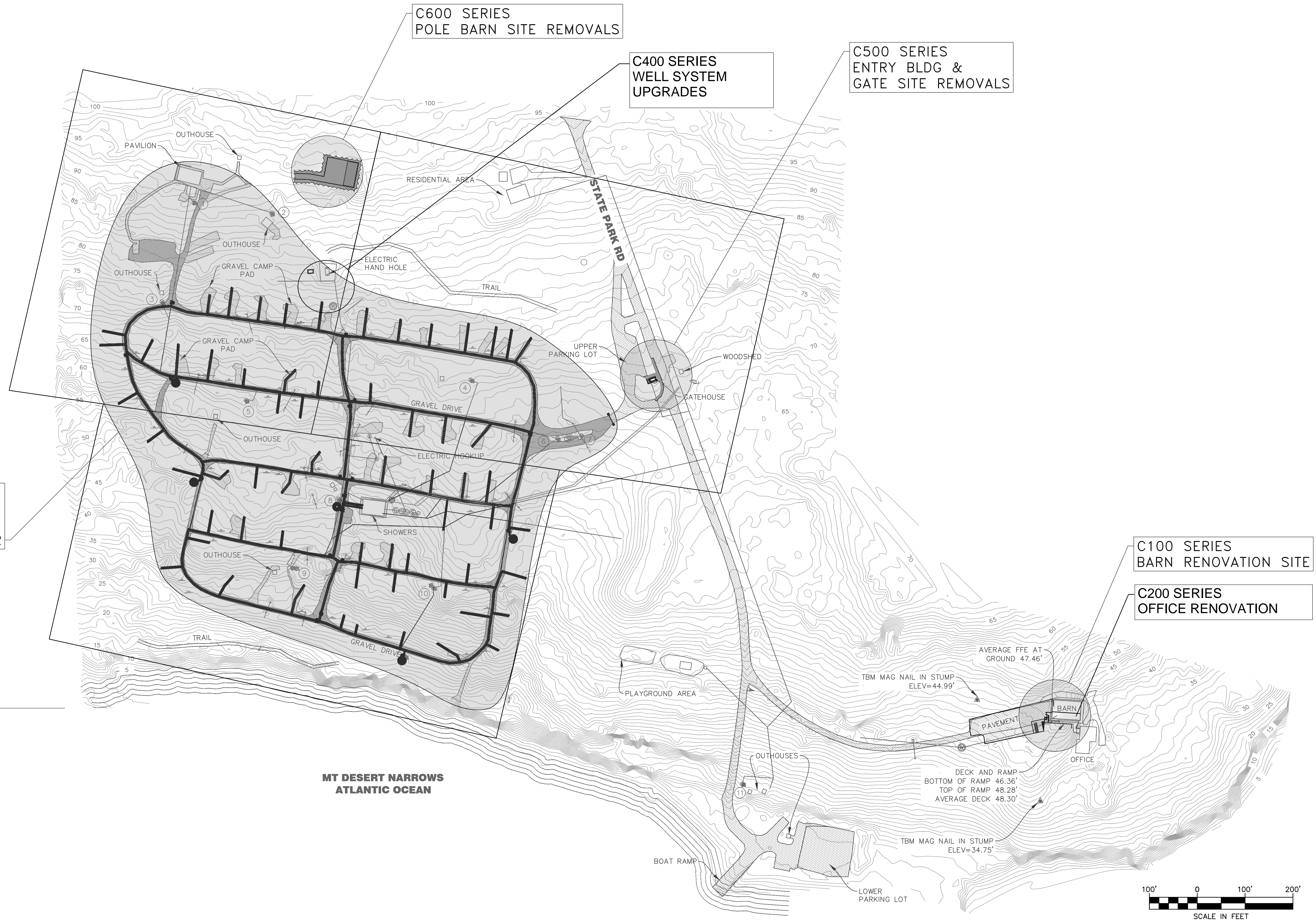
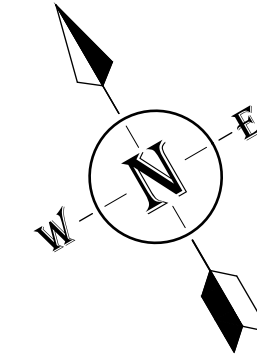
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DATE: 20SEPT2024 SHEET NUMBER

C002

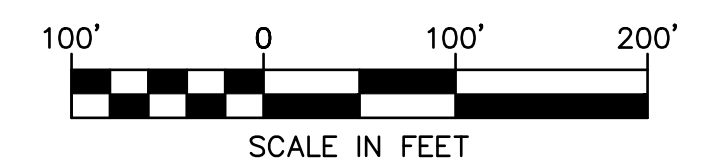
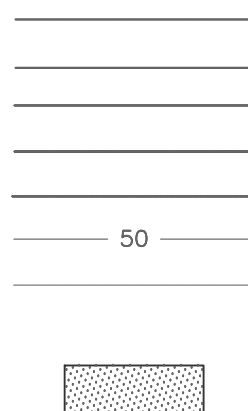
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**NOT FOR
CONSTRUCTION
GC BID SET**



LEGEND

- ①
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REVISIONS	REVISION DESCRIPTION	BY	
		DATE	NUMBER

STATE OF MAINE
BUREAU OF PARKS &
LANDS
106 HOGAN RD.,
SUITE 7
BANGOR, ME 04401

2308.01
LAMOINE
STATE PARK
BGS 3519
611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

SHEET TITLE:

SITE LOCATION

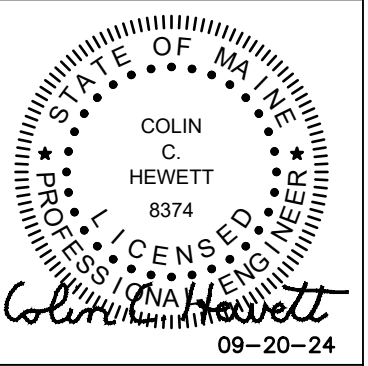
D&K PROJECT # | PROJ. ENG.
229287 | JSK
DRAWN BY | CHECKED BY
EBS | JSK

DATE
20SEPT2024

SHEET NUMBER

C003

SHEET: 3 of 20



GC BID SET

20SEP2024

REV DATE

ELECTRICAL SYMBOLS & INSTRUCTIONS	
[XXX]	ROOM NUMBER.
[KEYED NOTE]	KEYED NOTE, SEE NOTE OF SAME LETTER ON SHEET.
[DASHED BOX]	INDICATES EXISTING DEVICE OR ITEM.
[CIRCLE X]	DETAIL DESIGNATION: UPPER FIELD IS DETAIL IDENTIFIER, LOWER FIELD IS SHEET NUMBER WHERE DETAIL IS SHOWN.
[DASHED LINE]	BRANCH CIRCUIT WIRING ON PLAN DRAWING INDICATES CONCEALED IN CEILING OR WALL. DIAGRAM DRAWING WIRING INDICATES NEW.
[DASHED LINE]	BRANCH CIRCUIT WIRING ON PLAN DRAWING INDICATES CONCEALED IN FLOOR. DIAGRAM DRAWING WIRING INDICATES EXISTING.
[DASHED LINE]	BRANCH CIRCUIT WIRING ON PLAN DRAWING INDICATES EXPOSED WIRING. DIAGRAM DRAWING WIRING INDICATES REMOVED.
[DASHED LINE]	LOW-VOLTAGE OR SYSTEMS WIRING CONCEALED IN CEILING OR WALL.
[DASHED LINE]	LOW-VOLTAGE OR SYSTEMS WIRING CONCEALED IN FLOOR.
[DASHED LINE]	WIRING UP TO ABOVE.
[DASHED LINE]	WIRING DOWN TO BELOW.
[DASHED LINE]	MULTI-CONDUCTOR BRANCH CIRCUIT, NO. OF HASHMARKS IS NO. OF CIRCUIT CONDUCTORS, WITHOUT HASHMARKS TWO CIRCUIT CONDUCTORS. ALL CIRCUITS TO INCLUDE SEPARATE GREEN GROUNDING CONDUCTOR. FOR FLUORESCENT LIGHTING CIRCUITS, INCREASE NEUTRAL CONDUCTOR 1 SIZE OVER PHASE CONDUCTORS (#10 AWG FOR 20A CIRCUIT)
[DASHED LINE]	HOMERUN TO CIRCUIT AND PANELBOARD INDICATED, NO. OF ARROWS IS NO. OF PHASE WIRES, NO. OF HASHMARKS INDICATE NO. OF CIRCUIT CONDUCTORS.
[DASHED LINE]	DIRECTIVE ARROW.
[DASHED LINE]	CIRCUIT BREAKER.
[DASHED LINE]	GROUND.
[J S PB]	JUNCTION BOX, SPICE BOX AND PULL BOX.
[K Q G]	FLUORESCENT OR LED LIGHTING FIXTURE WITH AND WITHOUT OUTLET, UPPER CASE LETTER TYPE, LOWER CASE LETTER IS CONTROL GROUP, RECTANGLES INDICATE NO. OF SECTIONS. SEE LIGHTING FIXTURE SCHEDULE FOR TYPES AND MOUNTING.
[CIRCLE X]	CEILING MOUNTED LIGHTING FIXTURE, LETTER SUBSCRIPTS AS ABOVE.
[CIRCLE X]	WALL MOUNTED LIGHTING FIXTURE, LETTER SUBSCRIPTS AS ABOVE.
[S ³ SH SP SK]	SPST FLUSH WALL SWITCH 4"-0" UP ON CENTER ADJUSTED TO MINIMUM CUT OF BLOCK OR TILE, LOWER CASE LETTER IS CONTROL GROUP, WITH "H" 6" ABOVE FLOOR, WITH "P" PILOT LIGHT, WITH "K" KEY OPERATED, WITH "M" MOMENTARY, WITH "T" 0-6 HOUR TIMER, WITH "L" LOW-VOLTAGE, WITH SUPERSCRIPT # QUANTITY OF LOW VOLTAGE BUTTONS (ONE PER ZONE).
[S ₂ S ₃ S ₄]	DOUBLE POLE, THREE-WAY AND FOUR-WAY SWITCHES, SUBSCRIPTS AS ABOVE.
[W]	120/240 VOLT PANELBOARD, FLUSH MOUNTED AND SURFACE MOUNTED.
[U]	UNIVERSAL PANEL OR CABINET, FLUSH MOUNTED AND SURFACE MOUNTED.
[T]	TRANSFORMER.
[M]	MOTOR OF SIZE SHOWN, WITH "F" FRACTIONAL HORSEPOWER MOTOR BELOW 1/20 HP OR 100 WATTS.
[M]	UTILITY POWER METER, MOUNT 5'-0" UP.
[U]	DUPLEX GROUNDED POLARIZED 120 VOLT THREE-WIRE CONVENIENCE OUTLET 1'-6" UP VERTICALLY, WITH "U" 4'-0" AFF OR 0'-6" ABOVE COUNTER, ADJUST TO MINIMUM CUT OF BLOCK OR TILE, LETTER IS CIRCUIT GROUP, WITH "WP" WEATHERPROOF, WITH "G" FOR GROUND FAULT PROTECTED BY GFCI RECEPTACLE OR CIRCUIT BREAKER LOCATED UPSTREAM, WITH "H" MOUNT 7'-6" UP OR AS NOTED, WITH "TR" TAMPER RESISTANT, WITH "C" CEILING MOUNTED.
[Q]	QUADRUPLEX OUTLET IN ONE BOX, NOTES AND SUBSCRIPTS AS ABOVE.
[GFCI]	GROUND FAULT CIRCUIT INTERRUPTING (GFCI) DUPLEX RECEPTACLE, 120 VOLT THREE-WIRE 20 AMP, SUBSCRIPTS AND MOUNTING AS ABOVE.
[E]	EQUIPMENT CONNECTION.
[S]	SINGLE THROW HEAVY DUTY FUSED DISCONNECT SWITCH, NO. OF POLES AND SIZE AS REQUIRED FOR THE LOAD, "NF" NON FUSED, "WP" WEATHERPROOF.
[CB]	ENCLOSED CIRCUIT BREAKER.
[ATC]	AUTOMATIC TEMPERATURE CONTROLS CIRCUIT, COORDINATE LOCATION WITH CONTROLS CONTRACTOR.
[D]	COMPUTER DATA OUTLET 1'-6" AFF, WITH "U" 0'-6" ABOVE COUNTER, QUANTITY AS NOTED.
[E]	ELECTRIC DOOR STRIKE.
[CR]	PROXIMITY CARD READER.

ABBREVIATIONS

A	AMPERES
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ARCHL	ARCHITECTURAL
ATS	AUTOMATIC TRANSFER SWITCH
BH	BANGOR-HYDRO
BT	BATTERY
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT, CONDUCTOR
CB	CIRCUIT BREAKER
CLC	CEILING
CT	CIRCUIT
CMF	CENTRAL MAINE POWER CO.
CT	CURRENT TRANSFORMER
DIST	DISTRIBUTION
DN	DOWN
DWG	DRAWING
E	EXISTING
EC	ELECTRICAL CONTRACTOR
ER	EXISTING REPLACE
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATION, ELEVATOR
EMG	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
EXT	EXTERIOR
FA	FIRE ALARM
FIN	FINISH, FINISHED
FLR	FLOOR
F/FUT	FUTURE
GND	GROUND
HP	HORSEPOWER, HEAT PUMP
J-BOX	JUNCTION BOX
KW	KILOWATT(S)
LTG	LIGHTING
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MIN	MINIMUM
N	NEW
NIC	NOT IN CONTRACT
NID	NETWORK INTERFACE DEMARCATION
NO	NUMBER
OC	ON CENTER
PNL	PANEL, PANELBOARD
PVC	POLYVINYL CHLORIDE
PWR	POWER
R	REMOVE
RECEP	RECEPTACLE
RL	RELOCATE
RSC	RIGID STEEL CONDUIT
SW	SWITCH
TEL	TELEPHONE
TFMR	TRANSFORMER
TYP	TYPICAL
UG	UNDERGROUND
V	VOLTS
W	WATTS
WM	WIREMOLD
WP	WEATHERPROOF
WW	WIREWAY

LIGHTING FIXTURE & LAMPING SCHEDULE						
TYPE	DESCRIPTION	VOLTS	VA	MOUNTING & INSTRUCTIONS	LAMPING	
A	LITHONIA CAT# CPX-2X2-AL07-SW7-M4-2X2SMKSH 2'x2' LED FLAT PANEL, SWITCHABLE LUMENS SET TO MEDIUM OUTPUT (3356 LUMENS), 0-10V DIMMING DRIVER, 80 CRI, SATIN WHITE DIFFUSER, IP5X-RATED, NSF-RATED, SHALLOW DEPTH MULTI-USE SURFACE MOUNT KIT	MVOLT	30	SURFACE MOUNT ON GWB CEILING	LED INCLUDED 3500K	
A1	LITHONIA CAT# CPX-1X4-AL07-SW7-M4-1X4SMKSH 1'x4' LED FLAT PANEL, SWITCHABLE LUMENS SET TO MEDIUM OUTPUT (3289 LUMENS), 0-10V DIMMING DRIVER, 80 CRI, SATIN WHITE DIFFUSER, IP5X-RATED, NSF-RATED, SHALLOW DEPTH MULTI-USE SURFACE MOUNT KIT	MVOLT	30	SURFACE MOUNT ON GWB CEILING	LED INCLUDED 3500K	
A4	LITHONIA CAT# CPX-2X4-AL08-SW7-M2-2X4SMKSH 2'x4' LED FLAT PANEL, SWITCHABLE LUMENS SET TO LOW OUTPUT (3813 LUMENS), 0-10V DIMMING DRIVER, 80 CRI, SATIN WHITE DIFFUSER, IP5X-RATED, NSF-RATED, SHALLOW DEPTH MULTI-USE SURFACE MOUNT KIT	MVOLT	30	SURFACE MOUNT ON GWB CEILING	LED INCLUDED 3500K	
ER	REPLACE EXISTING FIXTURE					
S4	LITHONIA CAT# CLX-L48-4000LM-SEF-FDL-WD-MVOLT-GZ10-35K-80CRI-WH 4' LED STRIPLIGHT, 4000 LUMENS, 0-10V DIMMING DRIVER, 80 CRI, FLAT DIFFUSE LENS, WIDE DISTRIBUTION, WHITE FINISH	MVOLT	30	SURFACE MOUNT ON GWB CEILING	LED INCLUDED 3500K	
S8	LITHONIA CAT# CLX-L96-8000LM-SEF-FDL-WD-MVOLT-GZ10-35K-80CRI-WH 8' LED STRIPLIGHT, 8000 LUMENS, 0-10V DIMMING DRIVER, 80 CRI, FLAT DIFFUSE LENS, WIDE DISTRIBUTION, WHITE FINISH	MVOLT	60	SURFACE MOUNT ON GWB CEILING	LED INCLUDED 3500K	
S-HO	LITHONIA CAT# CLX-L48-7000LM-SEF-FDL-WD-MVOLT-GZ10-35K-80CRI-WH 4' LED STRIPLIGHT, 7000 LUMENS, 0-10V DIMMING DRIVER, 80 CRI, FLAT DIFFUSE LENS, WIDE DISTRIBUTION, WHITE FINISH	MVOLT	55	SURFACE MOUNT ON GWB CEILING	LED INCLUDED 3500K	
V	LITHONIA CAT# WL4-20L-GZ10-LP835 4' LED VANITY LIGHT, APPROX 2000 LUMENS, 0-10V DIMMING DRIVER, WHITE FINISH	MVOLT	20	WALL BRACKET	LED INCLUDED 3500K	
W	EDWARDS SIGNALING MODEL# 125LEDFR120A RED LED WARNING LIGHT, NEMA 4X-RATED, POLYCARBONATE LENS	120		WALL MOUNT ON EXTERIOR WALL		

Electrical & Mechanical Coordination Matrix		Power Wiring	Combination Magnetic Starter / Disconnect	Manual Disconnect	Single Shock Detector	Smoke Detector ASLU Wiring	Smoke Detector Fire Alarm Wiring	15 Min. Time Delay Relay	Time Delay Wiring	Time Switch 0-8 Hr	Speed Switch	Speed Switch Mounting & Wiring	Thermostat	Thermostat with Wiring & Switch	Interlock for SF Shutdown	Receptacle	Boiler Emergency Shut-off Switch	Boiler Fuelable Element Switch	Boiler Fuelable Element Switch Wiring	Control Panel Wiring	
HRU-1	Electric Duct Heater - EDH-1																				
	1 ph Pump PP-1																				
	1 ph Pump WP-1																				
	1 ph Pump - Existing Well Pump																				
	1 ph Pump - Chemical Feed																				
	Variable ECM Motor (Motor Mnt Speed Control)																				
	EF-1 (Thermostat)																				
	EF-2 (Switch)																				
	115V Circuit for ATC Control Panel - City 2																				
	Electric Baseboard - EBB1																				
	Electric Heater - EH-1																				
	Electric Water Heater - HTR-1																				
	Water Heater Leak Detector																				
	Electric Heat Trace																				
	ACCU-12 (1 ph)																				
	DSS-1 to 4 (1 ph)																				

M Signifies Mechanical Supplies and Specifies
 E Signifies Electrical Supplies and Specifies

LAMOINE STATE PARK
 LAMOINE, MAINE
**ELECTRICAL SYMBOLS LIST &
 LIGHTING FIXTURE SCHEDULE**

2308.01

E001

DRAWING SCHEDULE

DWG#	TITLE
A0	COVER & DRAWINGS SCHEDULE
C100	EXISTING CONDITIONS & DEMO PLAN
C101	PROPOSED SITE PLAN
C102	CIVIL DETAILS
S.000	GENERAL NOTES
S.101	SECOND FLOOR FRAMING PLAN
S.102	ROOF FRAMING PLAN
S.110	TYPICAL X-SECTION @ INTERIOR ROOF TRUSS / MISCELLANEOUS DETAILS
S.201	BASEMENT FOUNDATION PLAN
S.202	FIRST FLOOR FRAMING PLAN
S.210	MISCELLANEOUS DETAILS
R100	REMOVALS – FIRST FLOOR BARN PLAN
R200	REMOVALS – OFFICE AREA
A100	FIRST FLOOR BARN PLAN
A101	SECOND FLOOR BARN PLAN
A102	DOOR SCHEDULE, DOOR & WINDOW TYPES
A103	ELEVATIONS
A104	ELEVATIONS
A105	BUILDING SECTION
A106	BUILDING DETAILS
A107	WINDOW DETAILS
A108	WINDOW DETAILS
A109	WALL SECTIONS
M101	FIRST FLOOR HVAC PLANS
E101	REMOVALS – OFFICE AREA
E102	SECOND FLOOR LIGHTING PLAN

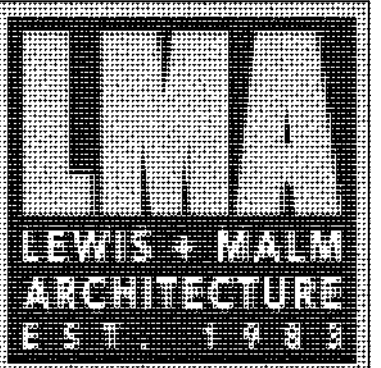
LAMOINE STATE PARK BARN RENOVATION

GENERAL CONTRACTOR BID SET

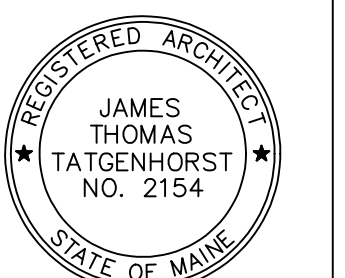
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ABBREVIATIONS

BOD	BASIS OF DESIGN	PTD	PAINTED
UNO	UNLESS OTHERWISE NOTED	EPS	EXTRUDED POLYSTYRENE
CMU	CONCRETE MASONRY UNIT	LED	LIGHT-EMITTING DIODE
CH	CEILING HEIGHT	REQ	REQUIRED
WC	WATER CLOSET (TOILET)	ABI	ALTERNATE BID ITEM
TYP	TYPICAL	DIAM	DIAMETER
CS/CI	CONTRACTOR SUPPLIED / CONTRACTOR INSTALLED	NTS	NOT TO SCALE
VS/OI	VENDOR SUPPLIED / OWNER INSTALLED	PVC	POLYVINYL CHLORIDE WELDED SEAM FLOORING
OS/OI	OWNER SUPPLIED / OWNER INSTALLED	MIN	MINIMUM
FRP	FIBER REINFORCED PANEL	DWG	DRAWING
W	WOMEN'S	SIP	STRUCTURAL INSULATED PANEL
M	MEN'S	REQ	REQUIRED
GN	GENDER NEUTRAL	MECH	MECHANICAL
J	JANITOR	EX	EXISTING
AFF	ABOVE FINISH FLOOR	EXT	EXTERIOR
CL	CENTER LINE	NIC	NOT IN CONTRACT



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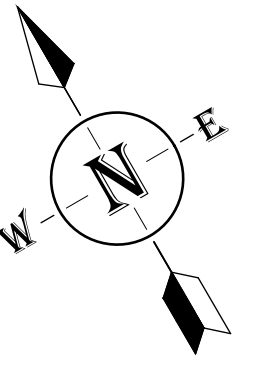
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LAMOINE STATE PARK BARN RENOVATION
LAMOINE, MAINE

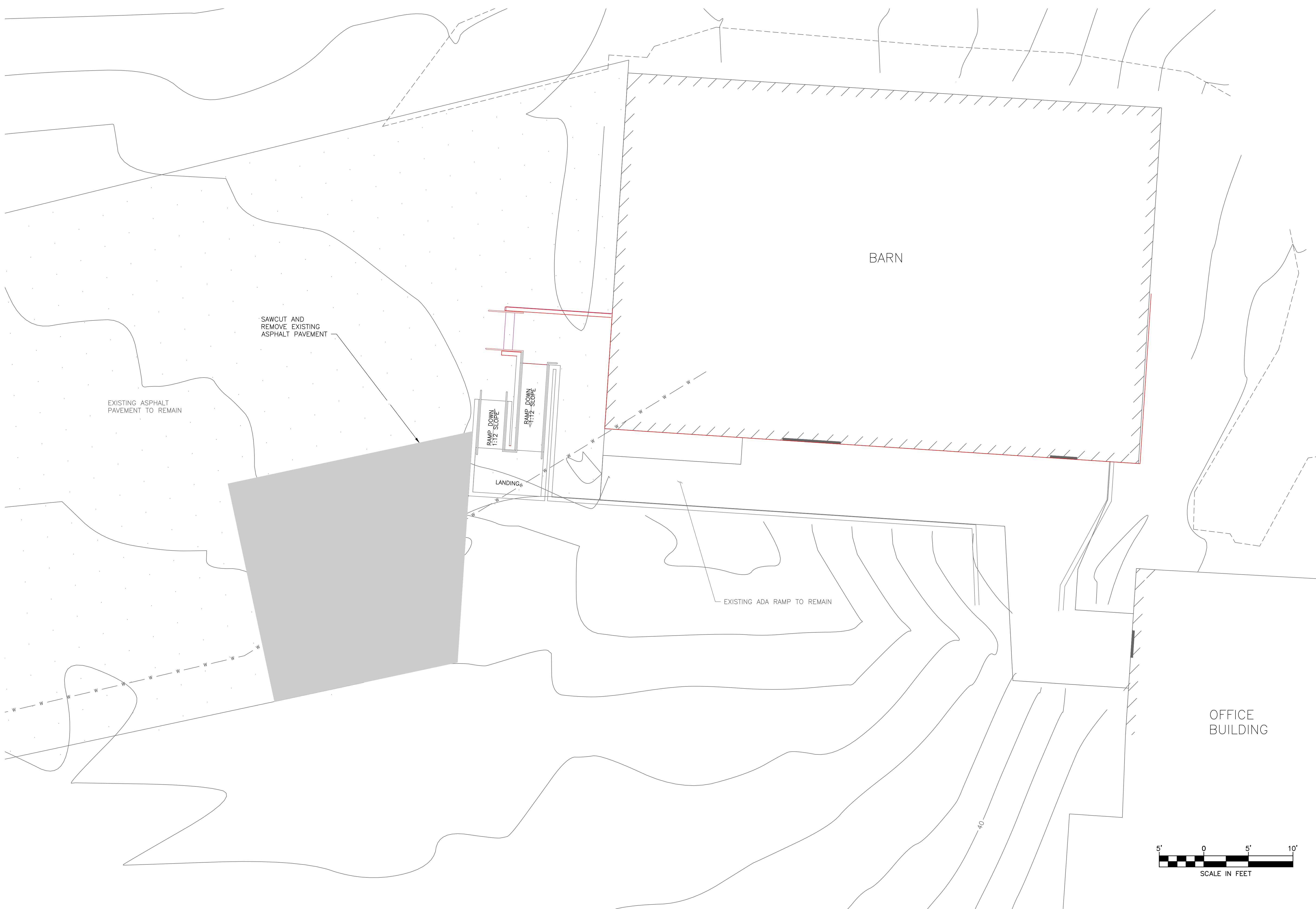
COVER & DRAWING SCHEDULE

2308.01

A0



**NOT FOR
CONSTRUCTION
GC BID SET**



REVISIONS	REVISION DESCRIPTION	DATE	BY

STATE OF MAINE
BUREAU OF PARKS &
LANDS

106 HOGAN RD.,
SUITE 7
BANGOR, ME 04401

**2308.01
LAMOINE
STATE PARK
BGS 3519**

611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

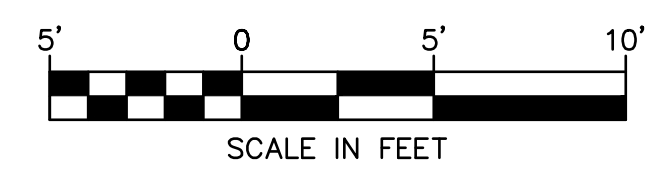
SHEET TITLE:
**PROJECT 1
BARN RENOVATION
SITE REMOVALS PLAN**

D&K PROJECT # 229287	PROJ. ENG. JSK
DRAWN BY EBS	CHECKED BY JSK

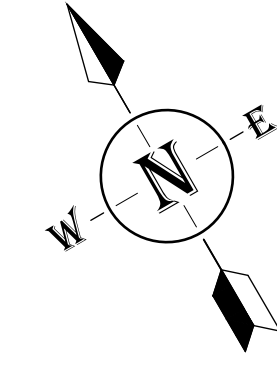
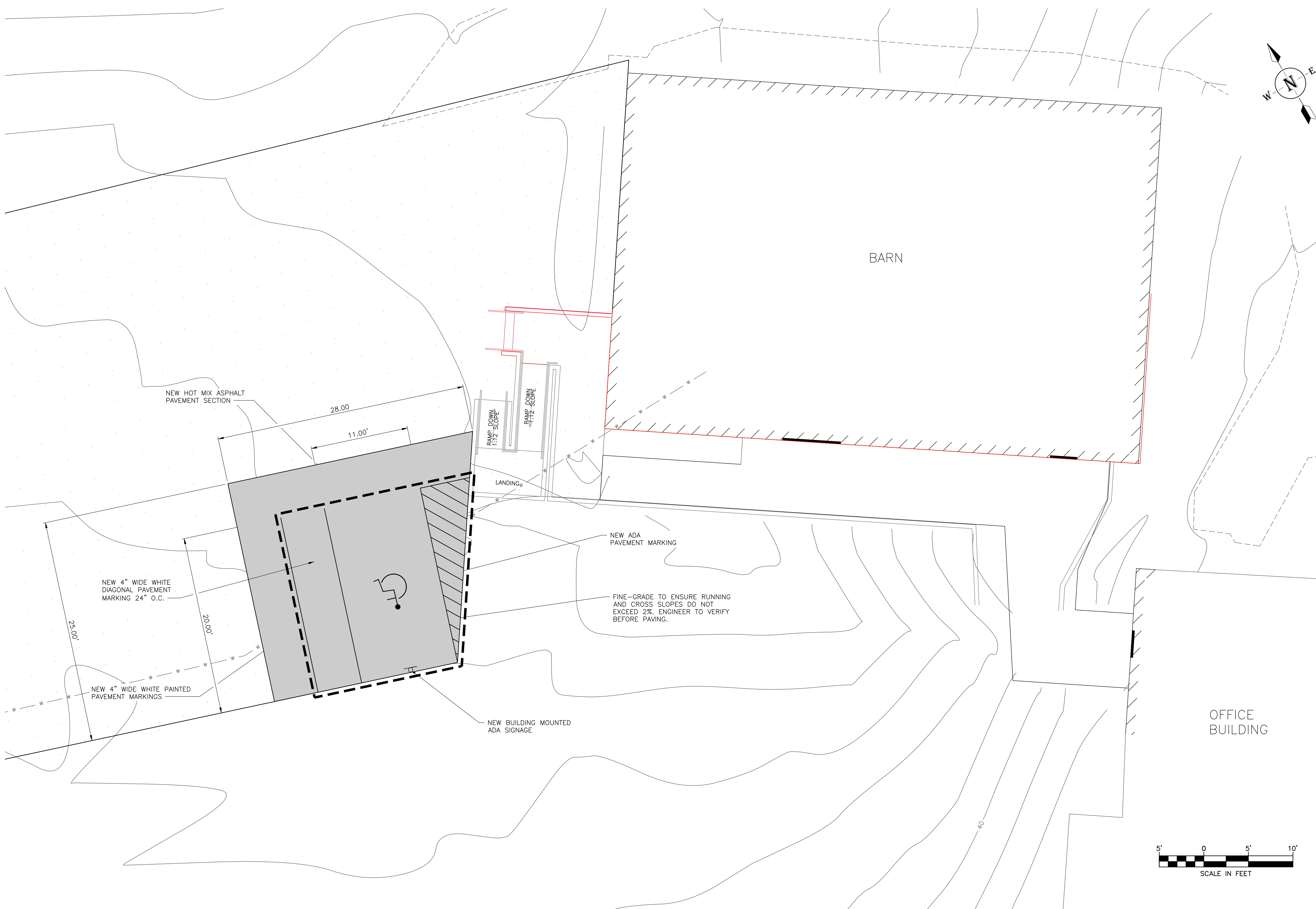
DATE
20SEPT2024

SHEET NUMBER

C100



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REVISIONS	DATE	NUMBER	BY

STATE OF MAINE
BUREAU OF PARKS & LANDS
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BANGOR, ME 04401

2308.01
LAMOINE STATE PARK
BGS 3519
611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

SHEET TITLE:
PROJECT 1
BARN RENOVATION
SITE LAYOUT PLAN

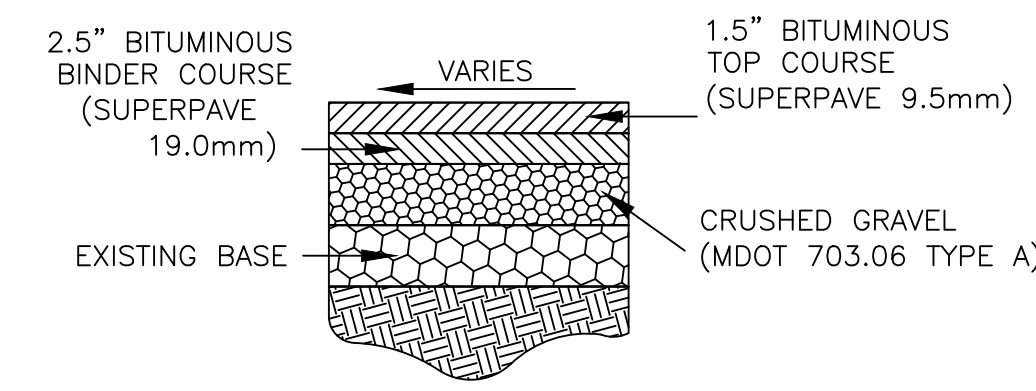
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DRAWN BY EBS	CHECKED BY JSK

DATE
20SEPT2024
SHEET NUMBER

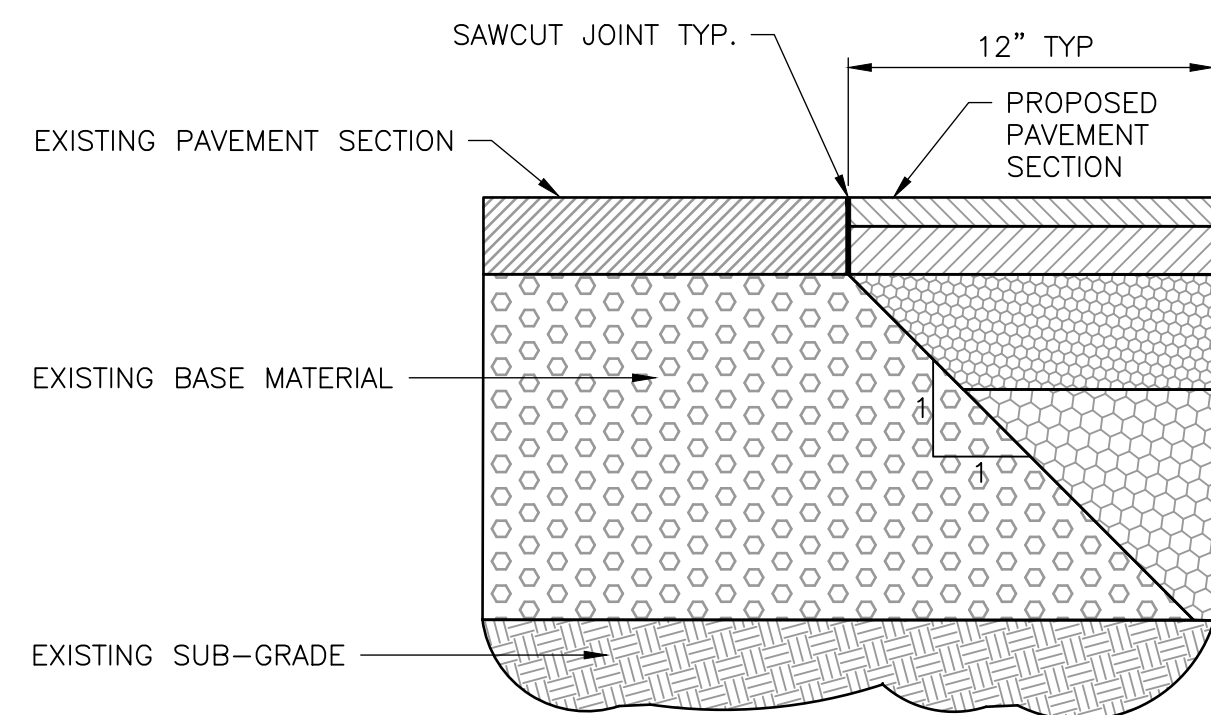
C101

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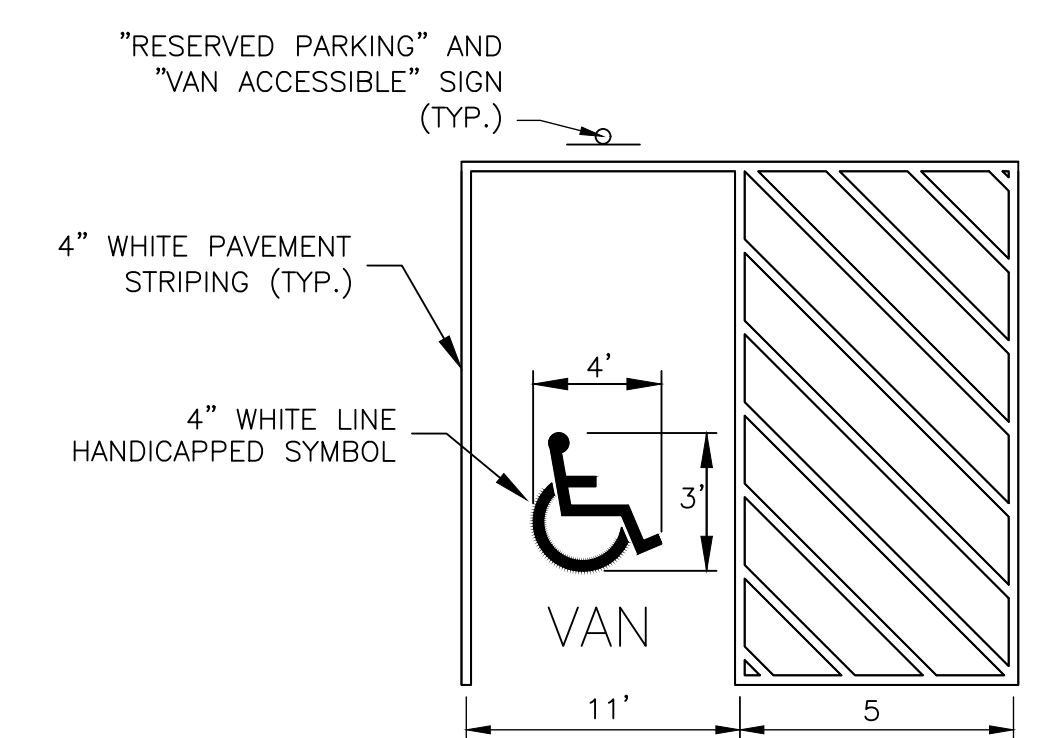


TYPICAL PAVEMENT DETAIL
NOT TO SCALE



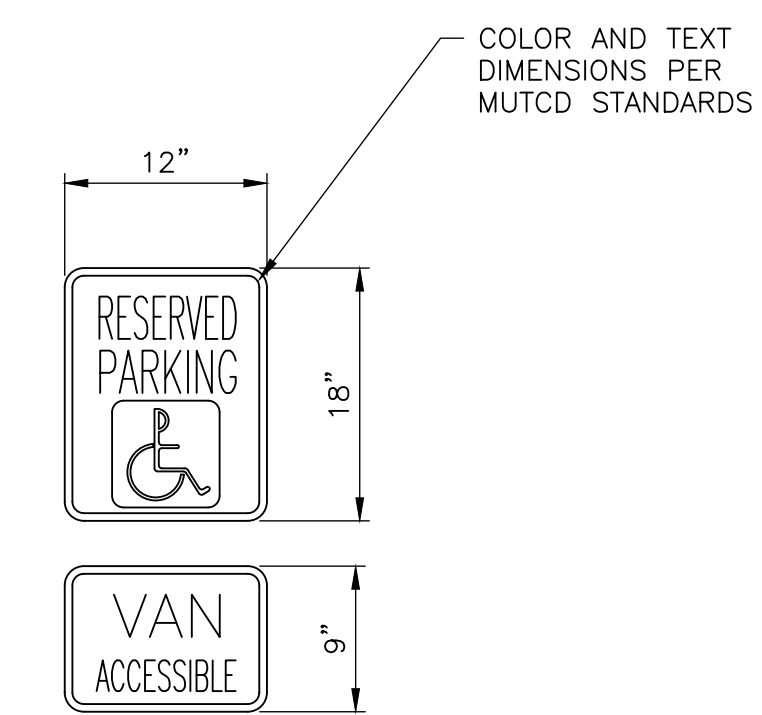
SAWCUT TRANSITION
NOT TO SCALE

Note:
1. APPLY TACK COAT TO CLEAN, SMOOTH VERTICAL SAWCUT EDGE OF EXISTING PAVEMENT



NOTE:
1. ALL PAVEMENT MARKINGS/STRIPING SHALL CONFORM TO LOCAL AND STATE REGULATIONS.

MULTI-HANDICAP & STANDARD PARKING PAVEMENT MARKING DETAIL
NOT TO SCALE



REVISIONS	REVISION DESCRIPTION	BY	DATE	NUMBER

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BUREAU OF PARKS & LANDS
106 HOGAN RD., SUITE 7
BANGOR, ME 04401

2308.01
LAMOINE STATE PARK
BGS 3519
611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

SHEET TITLE:
PROJECT 1
BARN RENOVATION SITE DETAILS

D&K PROJECT # 229287	PROJ. ENG. JSK
DRAWN BY EBS	CHECKED BY JSK

DATE
20SEPT2024

SHEET NUMBER

C102

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GENERAL NOTES:

- ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS.
- ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
- THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY RELOCATION OF UTILITIES OR ANY OTHER OBSTRUCTIONS TO THE WORK. LIKEWISE, ANY CONDUIT OR OTHER OBSTRUCTIONS TO THE INSTALLATION OR ITEMS THAT ARE LIKELY TO BE DAMAGED DURING INSTALLATIONS SHALL BE TEMPORARILY RELOCATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING MATERIALS THAT OCCURS AS A CONSEQUENCE OF WORK FOR THE PROJECT. INSTALL PROTECTIVE COVERINGS AS WARRANTED TO AVOID DAMAGE TO ADJACENT SURFACES.

DESIGN NOTES:

- REINFORCEMENT FOR THE STRUCTURE ARE DESIGNED TO COMPLY WITH THE 2015 EDITION OF "THE INTERNATIONAL BUILDING CODE" AND THE 2010 EDITION OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES", ASCE7-10.
- DEAD LOADS = 10 PSF
- DESIGN FOR SNOW LOAD:
 - A. GROUND SNOW LOAD $P_g = 60$ PSF.
 - B. FLAT ROOF SNOW LOAD $P_f = 50.4$ PSF
 - C. SNOW LOAD IMPORTANCE FACTOR $I = 1.0$
 - D. SNOW EXPOSURE FACTOR $C_e = 1.0$
 - E. SNOW THERMAL FACTOR $C_t = 1.2$
- DESIGN FOR WIND IS IN ACCORDANCE WITH LOADING AS FOLLOWS:
 - A. ULTIMATE DESIGN WIND SPEED $V_{ult} = 116$ MPH.
 - B. NOMINAL DESIGN WIND SPEED $V_{asd} = 90$ MPH
 - C. RISK CATEGORY II.
 - D. WIND EXPOSURE - EXPOSURE D.

INTERNAL PRESSURE COEFFICIENT $C_{pi} = 0.18$.

STRUCTURAL STEEL NOTES:

- FABRICATE AND ERECT STRUCTURAL STEEL PER AISC STEEL CONSTRUCTION MANUAL, 14TH EDITION.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
 - A. WIDE FLANGE SHAPES ASTM A992
 - B. RECTANGULAR HSS ASTM A500 GR. B
 - C. PLATES AND OTHER SHAPES ASTM A36
- CUT STEEL MEMBERS FROM FULL LENGTH STOCK. UNAUTHORIZED SPLICES WILL BE CAUSE FOR REJECTION.
- FABRICATE AND SHIP STEEL AS SHOP PRIMED STEEL UNLESS NOTED OTHERWISE. PRIMER SHALL BE TMS610-44 WITH SSPG 999.
- STORE STEEL MATERIALS OFF THE GROUND AND SPACED USING PALLETS, DUNNAGE, OR OTHER APPROVED SUPPORTS AND SPACERS. PROTECT STEEL MEMBERS AND PACKAGED MATERIALS FROM CORROSION AND DETERIORATION.
- IMMEDIATELY AFTER ERECTION, CLEAN FIELD WELDS, BOLTED CONNECTIONS, AND ABRADED AREAS OF SHOP PAINT. APPLY A MINIMUM OF TWO COATS OF PAINT TO ALL EXPOSED AREAS USING THE SAME MATERIAL AS USED FOR SHOP PAINTING.

CONCRETE NOTES:

- ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS IN ACI 318-14, ACI 301-10 & ACI 117-10.
- CONCRETE SHALL HAVE MINIMUM 28-DAY COMPRESSIVE STRENGTHS OF 4000 PSI.
- ALL CONCRETE EXPOSED TO FREEZE-THAW CYCLES IN SERVICE SHALL BE AIR ENTRAINED FOR EXPOSURE CLASS F2 PER ACI 318.
- NO CONCRETE SHALL BE PLACED IN WATER OR ON FROZEN GROUND.
- DURING COLD WEATHER, CONCRETING PROCEDURES SHALL CONFORM TO ACI 306, COLD WEATHER CONCRETE PRACTICES. MAINTAIN CONCRETE TEMPERATURE ABOVE 50 DEGREES F FOR 7 DAYS AFTER PLACEMENT.
- DURING HOT WEATHER, CONCRETING PROCEDURES SHALL CONFORM TO ACI 305, HOT WEATHER CONCRETE PRACTICES.
- ALL REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60.
- REINFORCEMENT SHALL HAVE THE FOLLOWING MINIMUM CONCRETE COVER:
 - A. CONCRETE DEPOSITED ON THE GROUND 3"
 - B. CONCRETE EXPOSED TO THE GROUND OR WEATHER 2"
 - C. CONCRETE NOT EXPOSED TO THE GROUND OR WEATHER 1"
- ALL REINFORCEMENT SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE "ACI MANUAL OF STANDARD PRACTICE" (ACI-315).
- ALL LAP SPLICES SHALL BE CONSIDERED CLASS B TENSION LAP SPLICES PER ACI 318 UNLESS OTHERWISE NOTED.
- ANCHOR RODS SHALL CONFORM TO ASTM F1554, GRADE 36 UNLESS NOTED OTHERWISE.
- REINFORCEMENT SHALL BE LOCATED AT MID-DEPTH OF CONCRETE SLABS UNLESS OTHERWISE NOTED. SUPPORT WELDED WIRE FABRIC ON CHAIRS OR OTHER SUITABLE SUPPORTS AT A MAXIMUM SPACING OF 3 FEET ON CENTER. THE USE OF LIFTING HOOKS TO SET SLAB REINFORCEMENT IN POSITION IS PROHIBITED.
- CHAMFER ALL EXPOSED CONCRETE EDGES 3/4".
- SEE ANY ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF DOOR FRAMES, THRESHOLDS, ETC., AND CONCRETE PADS, PIERS, PIPE SLEEVES, ETC.
- CONSOLIDATE CONCRETE WITH A MECHANICAL VIBRATOR USING EQUIPMENT AND PROCEDURES SPECIFIED IN ACI 309R. DO NOT UTILIZE VIBRATORS TO TRANSPORT CONCRETE WITHIN FORMS.
- MAINTAIN CONCRETE CONTINUOUSLY MOIST WITH TEMPERATURE ABOVE 50 DEGREES F FOR 7 DAYS AFTER PLACEMENT. ACCEPTABLE CURING METHODS INCLUDE:
 - A. LEAVING FORMS ON FORMED SURFACES.
 - B. COATING SURFACES WITH AN APPROVED CURING COMPOUND. DO NOT USE CURING COMPOUND WHERE ITS PRESENCE WILL INTERFERE WITH SUCCESSIVE SURFACE TREATMENTS.
 - C. COVERING WITH MOISTURE-RETAINING COVER COMPLYING WITH ASTM C171.
 - D. COVERING WITH ABSORPTIVE COVER, BURLAP CLOTH MADE FROM JUTE OR KENAF, WEIGHING APPROXIMATELY 4 OZ PER SQ YD, COMPLYING WITH AASHTO M182, CLASS 2. MAINTAIN ABSORPTIVE COVER WET THROUGHOUT CURING PERIOD.
 - E. OTHER CURING METHODS MAY BE ACCEPTABLE SUBJECT TO APPROVAL.

FOUNDATION NOTES:

- FOUNDATIONS ARE DESIGNED FOR A PRESUMED ALLOWABLE SOILING BEARING PRESSURE OF 2000 PSF.
- FOOTINGS SHALL BEAR ON UNDISTURBED NATIVE SOILS OR LEDGE.
- PROVIDE 5-10" MINIMUM SOIL COVER OVER FOOTINGS SUBJECT TO FREEZING TEMPERATURES.
- BACKFILL FOUNDATION PIERS WITH SOIL CLASSIFICATION G1, G2, G3, OR SP AS DEFINED IN THE UNIFIED SOIL CLASSIFICATION SYSTEM.
- STRUCTURAL FILL SHALL BE UNIFORMLY GRADED GRANULAR SOIL, FREE OF ORGANIC MATTER, CONTAMINANTS, FROZEN MATERIAL AND OTHER DELETERIOUS SUBSTANCES. PROVIDE MATERIAL MEETING THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSED BY WEIGHT
4"	100
3"	90-100
1/2"	25-40
#40	0-30
#200	0-5

6. CRUSHED STONE SHALL CONFORM TO THE FOLLOWING GRADATION:

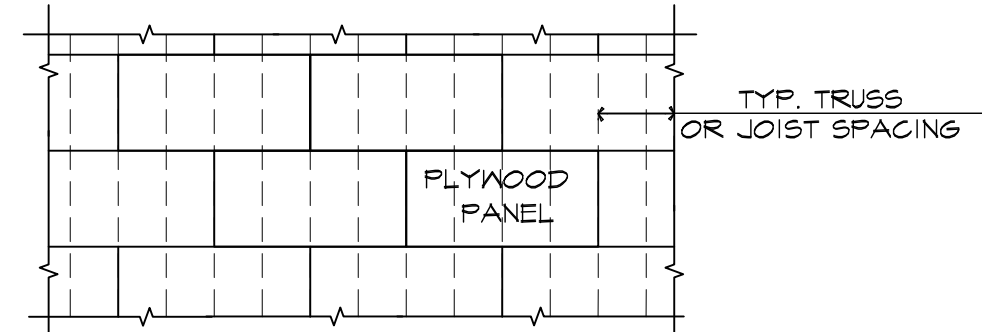
SIEVE SIZE	PERCENT PASSED BY WEIGHT
1"	100
3/4"	90-100
3/8"	0-75
#4	0-25
#10	0-5

WOOD FRAMING NOTES:

- DIMENSIONED LUMBER SPECIFIED SHALL BE #2 OR BETTER, SPRUCE-PINE-FIR GRADED UNDER NLSA RULES EXCEPT WHERE OTHERWISE INDICATED.
 - a. WHERE SOUTHERN PINE IS INDICATED, PROVIDE #2 GRADE OR BETTER SOUTHERN PINE GRADED UNDER SPIB RULES WITHOUT SUBSTITUTION.
- PRESSURE TREATED (PT) LUMBER SHALL BE #2 GRADE OR BETTER SOUTHERN PINE GRADED UNDER SPIB RULES.
- WHERE PRESSURE TREATMENT IS INDICATED, PROVIDE MICRONIZED COPPER QUAT WOOD PRESERVATIVE TREATED FOR USE CATEGORY UC3B IN ACCORDANCE WITH ANPA U1-14.
- LAMINATED VENEER LUMBER (LVL) BEAMS SHALL BE VERSA-LAM 2.0 3100 FROM BOISE CASCADE OR EQUAL PRODUCT WITH THE SAME OR HIGHER DESIGN PROPERTIES.
- LAMINATED VENEER LUMBER (LVL) COLUMNS SHALL BE VERSA LAM 1.8 2750 FROM BOISE CASCADE OR EQUAL PRODUCT WITH THE SAME OR HIGHER DESIGN PROPERTIES.
- POWER PRESERVED GLULAM (PPG) BEAMS SHALL BE GRADE 1.8E 2400 F_b FROM ANTHONY FOREST PRODUCTS OR EQUAL PRODUCT WITH THE SAME OR HIGHER DESIGN PROPERTIES.
- ALL SUBSTITUTION REQUESTS SHALL BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.
- WHERE FASTENING IS NOT SPECIFIED, PROVIDE FASTENING IN ACCORDANCE WITH TABLE 602.3(1) FROM THE 2015 EDITION OF THE INTERNATIONAL RESIDENTIAL CODE.
- PROPRIETARY FRAMING CONNECTORS SHALL BE PRODUCTS FROM SIMPSON STRONG-TIE UNLESS OTHERWISE INDICATED. INSTALL WITH ALL FASTENERS RECOMMENDED BY THE MANUFACTURER UNLESS OTHERWISE NOTED. WHERE MORE THAN ONE FASTENING RECOMMENDATION EXISTS, INSTALL THE FASTENERS SPECIFIED FOR THE HIGHEST CAPACITY UNLESS OTHERWISE NOTED.
- LAG SCREWS SHALL COMPLY WITH ANSI/ASME STANDARD B18.2.1 WITH STEEL COMPLYING WITH SAE J429, GRADE 1 (MINIMUM YIELD STRENGTH = 36 KSI).
- WHERE TOENAILLED FASTENERS ARE SPECIFIED, INSTALL FASTENERS AT 60 DEGREES FROM THE SUPPORTING MEMBER. LOCATE THE PENETRATION INTO THE SUPPORTED MEMBER AT 1/3 THE NAIL LENGTH FROM THE MEMBER END.

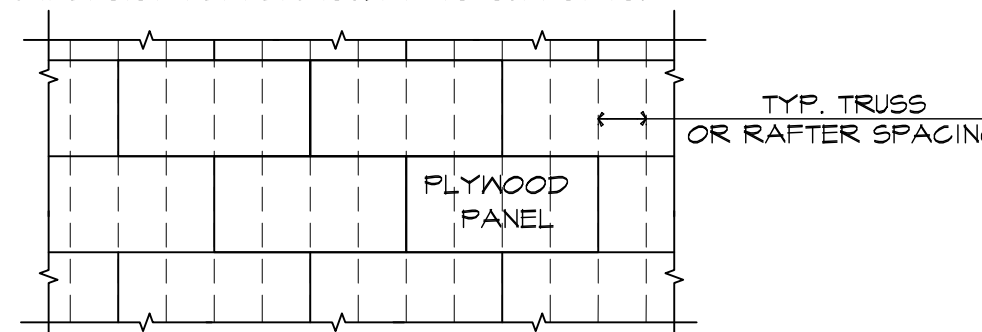
WOOD FLOOR SHEATHING NOTES:

- a. $\leftarrow D1 \rightarrow$ DENOTES FLOOR DECK. FLOOR DECK SHALL BE 3/4" T&G SCREWED AND GLUED PLYWOOD ADVANTECH, OR APPROVED EQUAL WOOD DECK. FASTEN W/ #10 SCREWS @ 6" O.C. AT ALL SUPPORTED EDGES & 12" O.C. IN THE FIELD. SCREWS SHALL BE HOT DIPPED GALVANIZED, STAINLESS STEEL, OR APPROPRIATELY COATED WHEN SUPPORTING FRAMING IS PRESSED TREATED.
- LAYOUT PANELS WITH END JOINTS STAGGERED AND LONG DIMENSION PERPENDICULAR TO SUPPORTS.

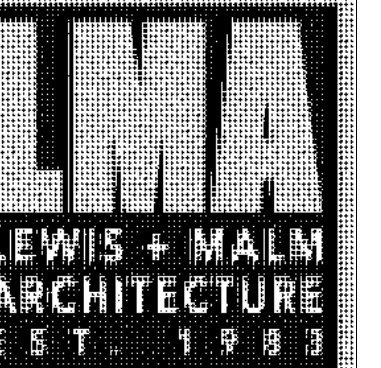


WOOD ROOF SHEATHING NOTES:

- a. $\leftarrow D2 \rightarrow$ DENOTES ROOF DECK. ROOF DECK SHALL BE 5/8" THICK APA RATED SHEATHING WITH 40/20 SPAN RATING.
- LAYOUT PANELS WITH END JOINTS STAGGERED AND LONG DIMENSION PERPENDICULAR TO SUPPORTS.



- FASTEN ROOF DECK TO SUPPORTS WITH 10d NAILS. SPACE NAILS @ 6" O.C. AT SUPPORTED EDGES AND @ 12" O.C. AT INTERMEDIATE SUPPORTS.



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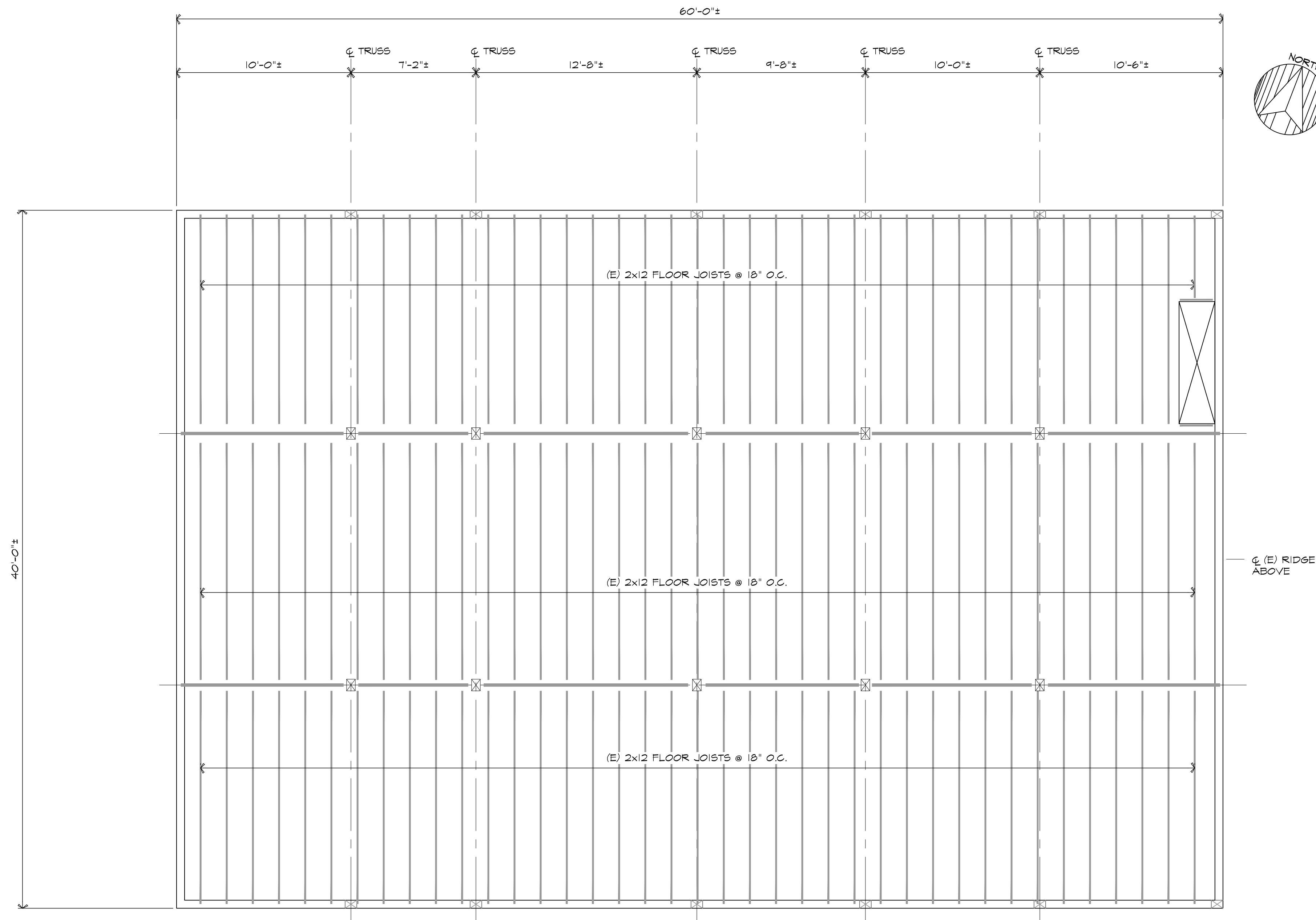
Lamoine State Park Renovations
Lamoine, Maine

GENERAL NOTES

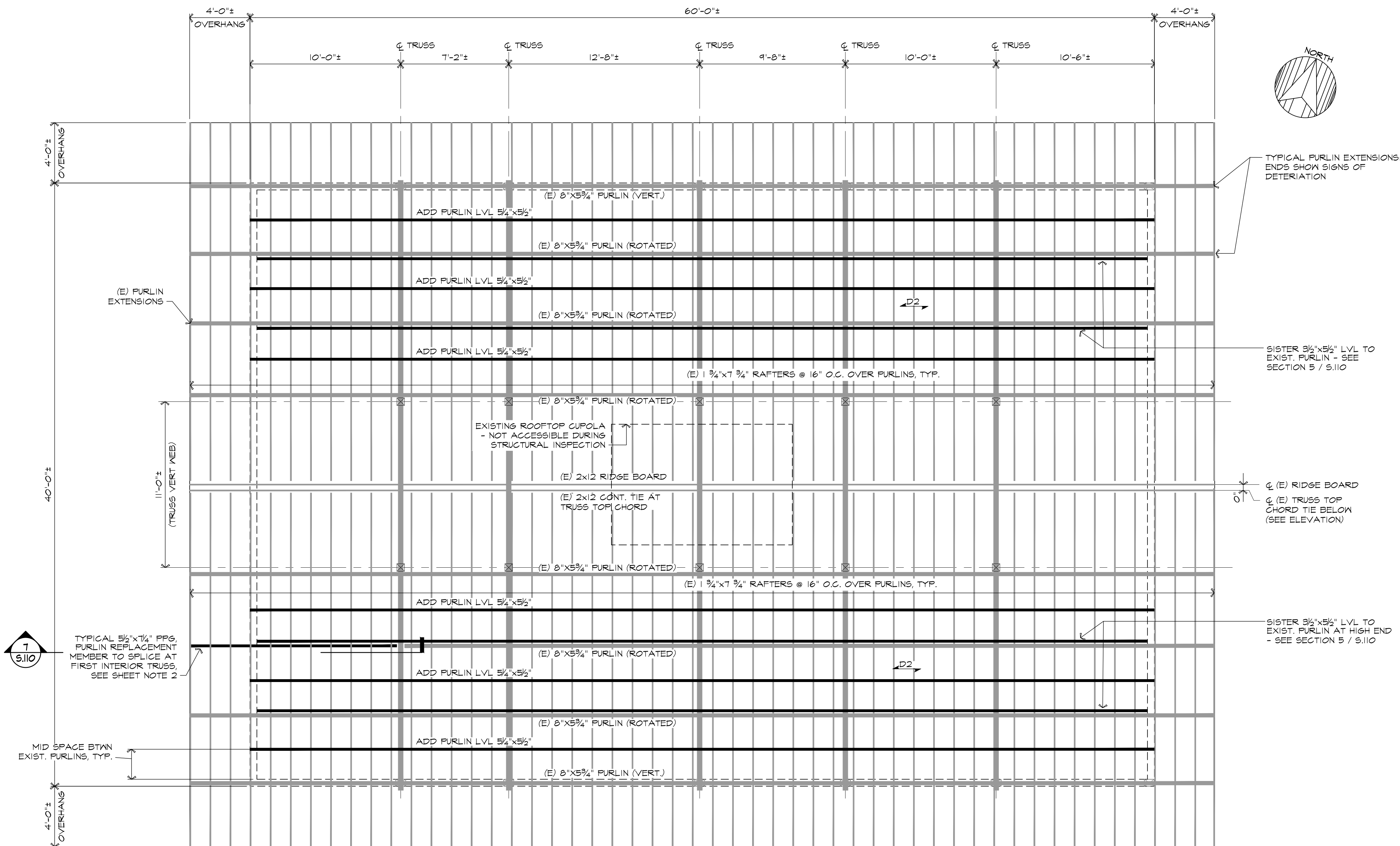
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EXISTING 2nd FLOOR FRAMING PLAN
1/4"=1'-0"

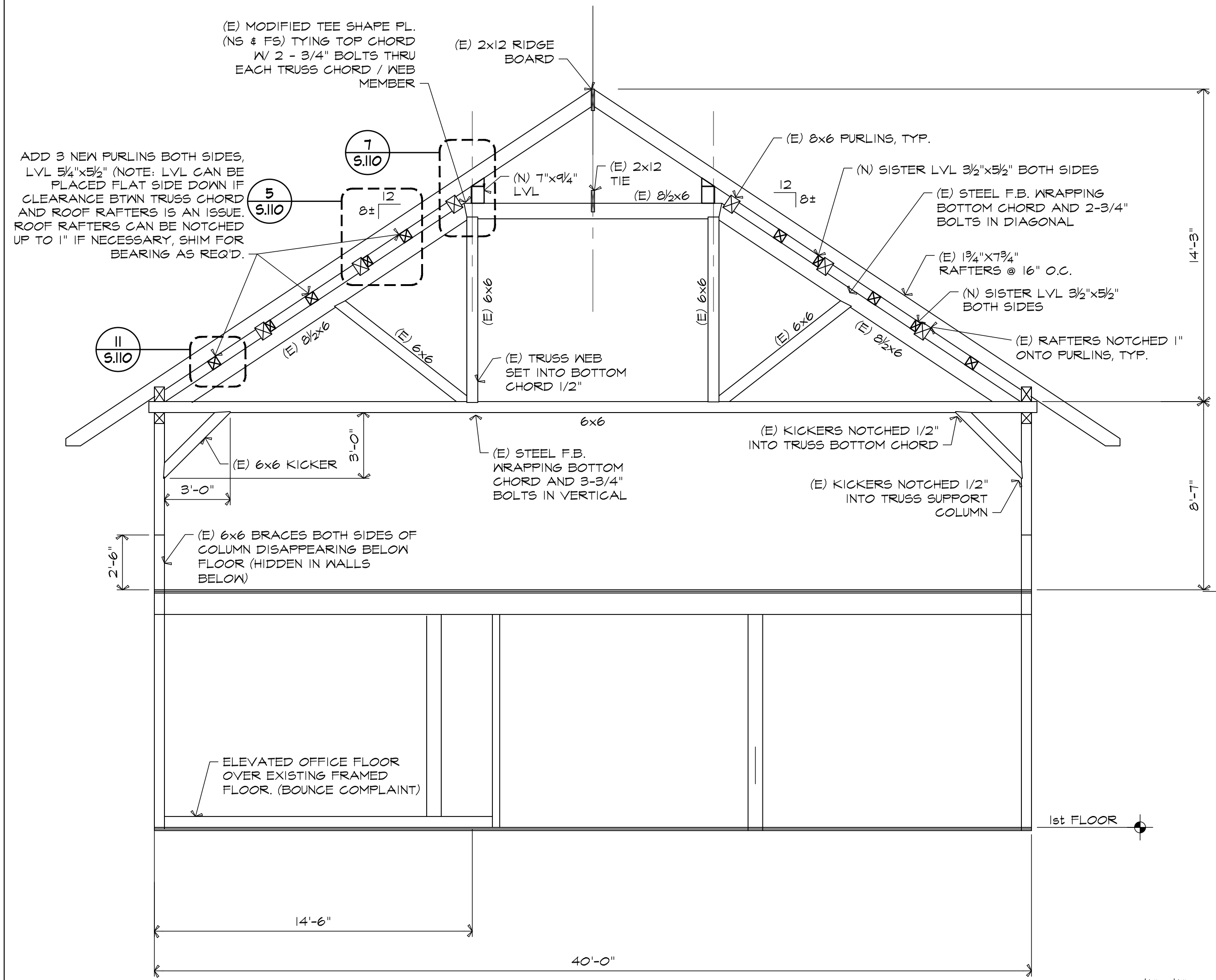


SHEET NOTES:

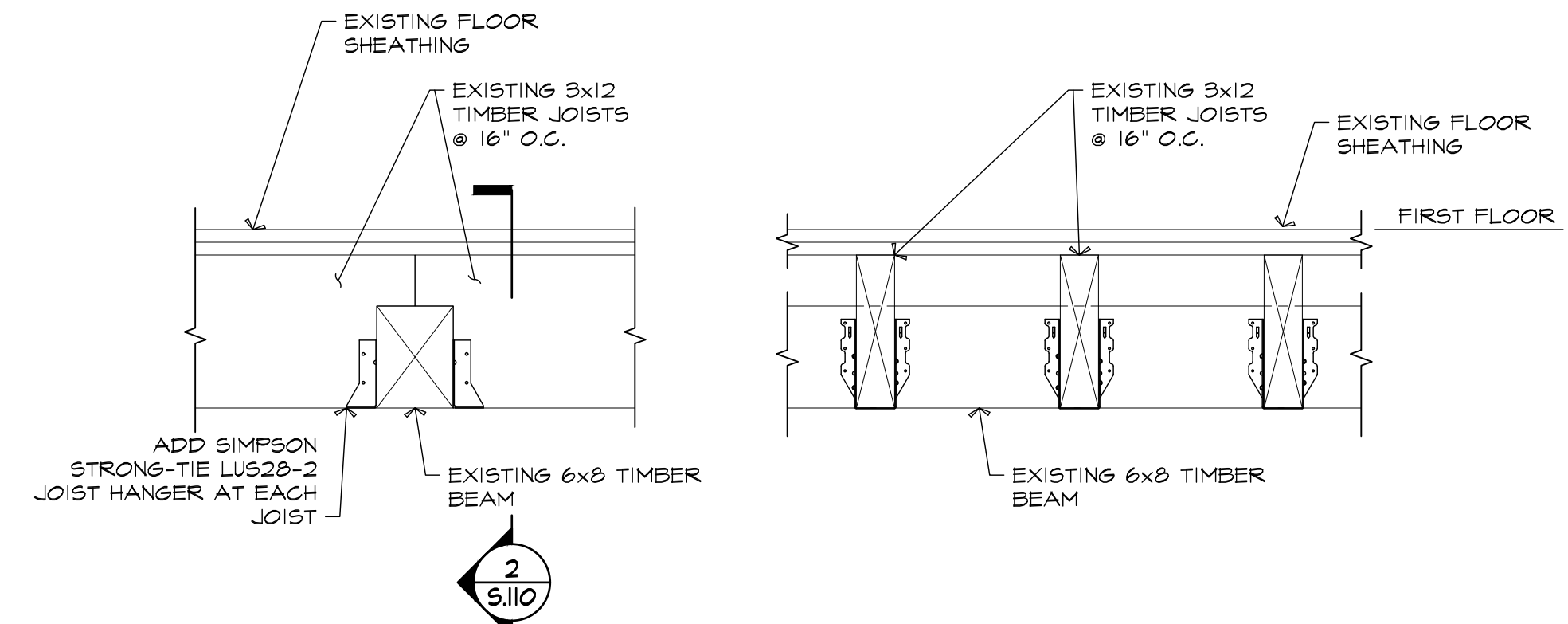
1. PPG INDICATES ANTHONY POWER PRESERVED GLULAM.
2. EXISTING PURLIN EXTENSION REPLACEMENT MEMBER SELECTION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ARCHITECT DUE TO VISIBLE DETERIORATION AT EXTERIOR OVERHANGS. EXTERIOR SURFACES OF PPG MAY BE BUILT OUT TO ACQUIRE ORIGINAL SECTIONAL DIMENSIONS WITH PRESSURE TREATED TRIM AS REQUIRED. COORDINATE REPLACEMENT SUCH THAT TWO REMAINING PURLINS ON TWO SIDES REMAIN IN PLACE UNTIL NEW PURLIN INSTALLATION IS COMPLETE.

ROOF FRAMING PLAN

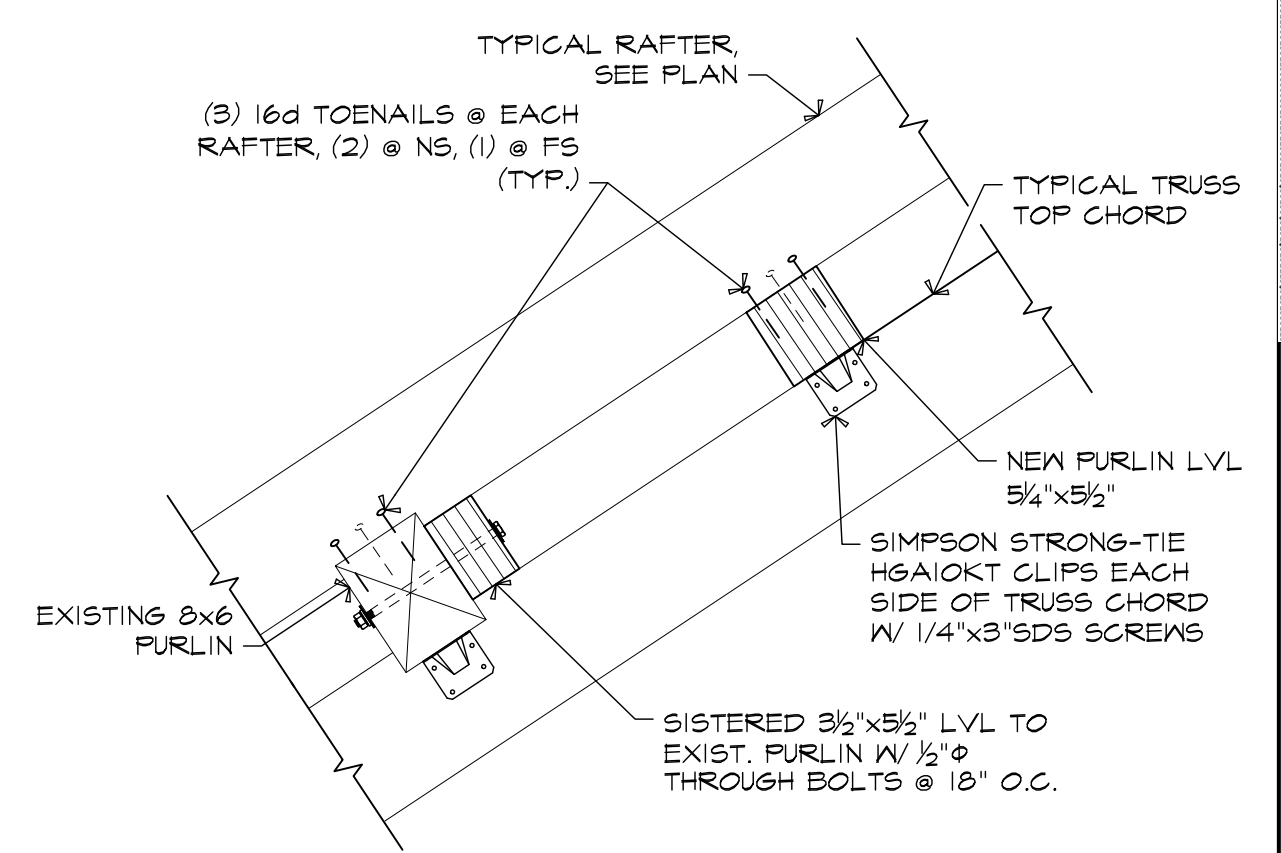
1/4"=1'-0"



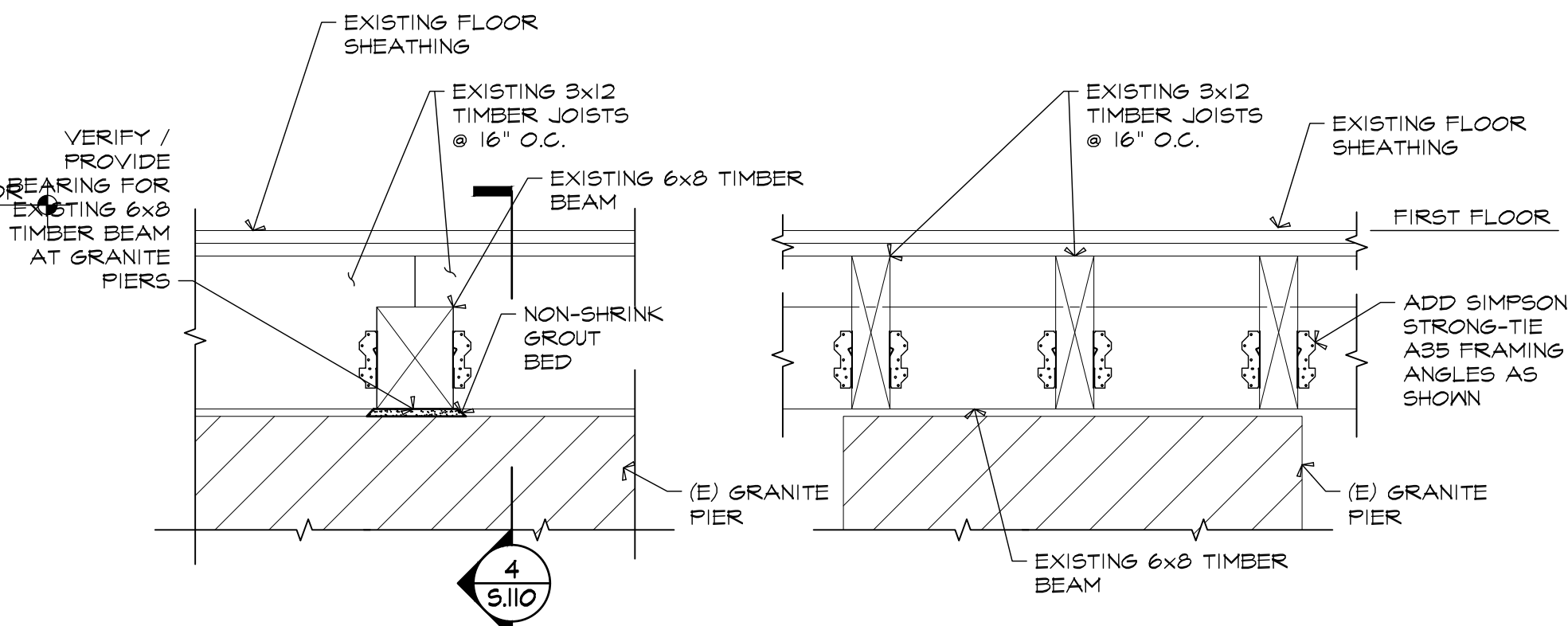
TYPICAL X-SECTION AT INTERIOR ROOF TRUSS
1/4"=1'-0"



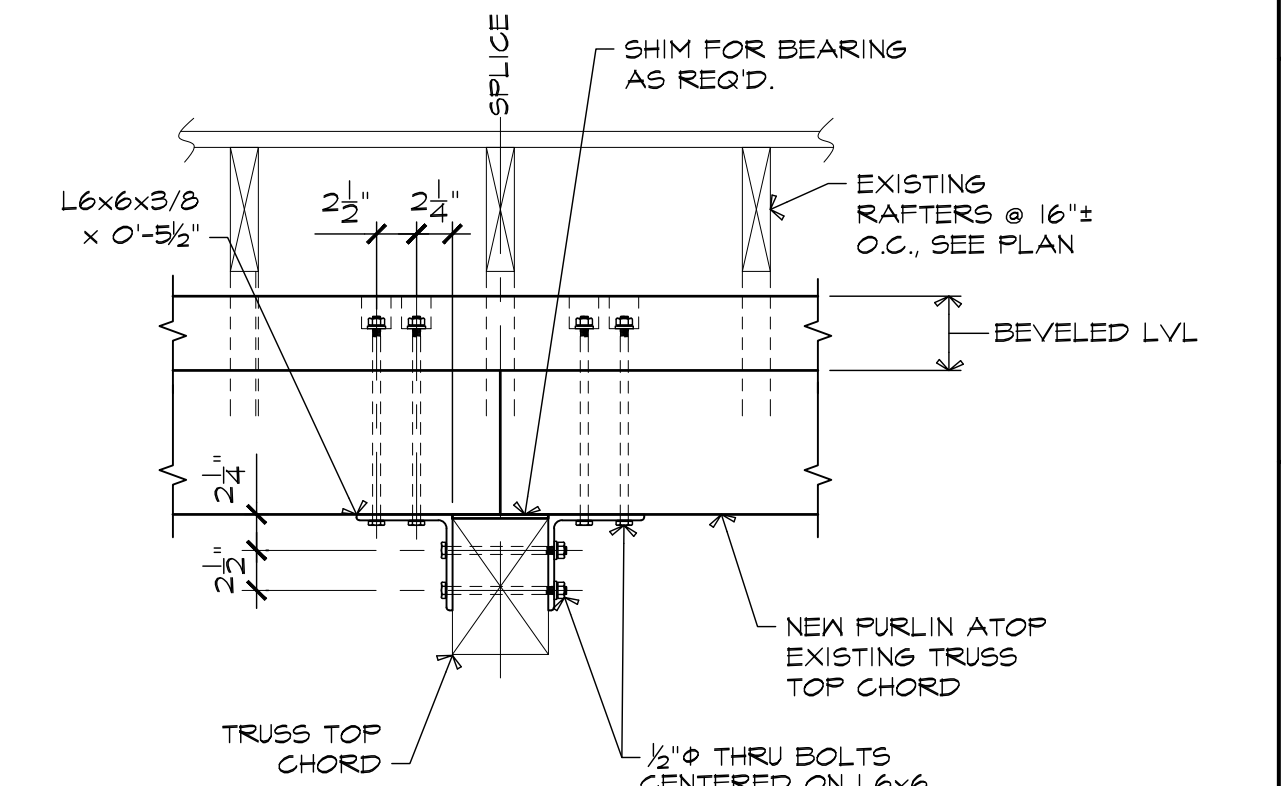
1 SECTION 1"=1'-0"
2 SECTION AT TYPICAL CONN. 1"=1'-0"



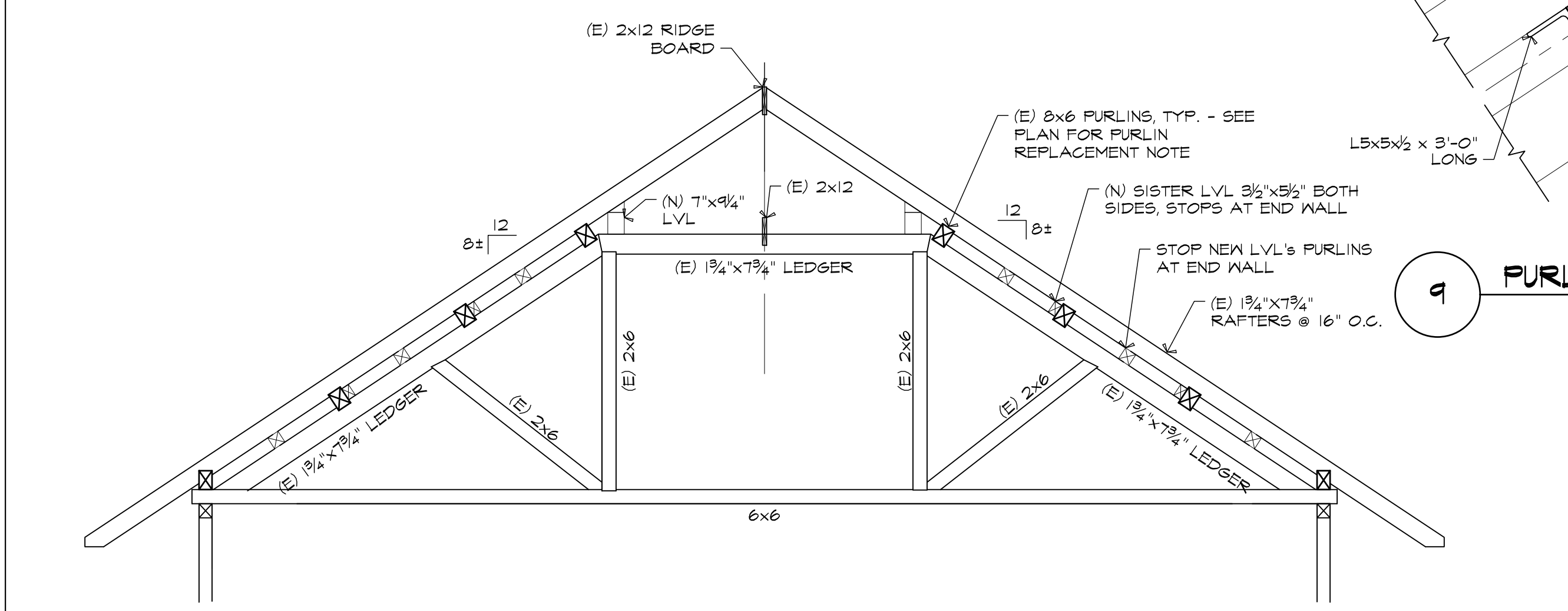
5 DETAIL AT PURLIN CONNECTIONS
1"=1'-0"



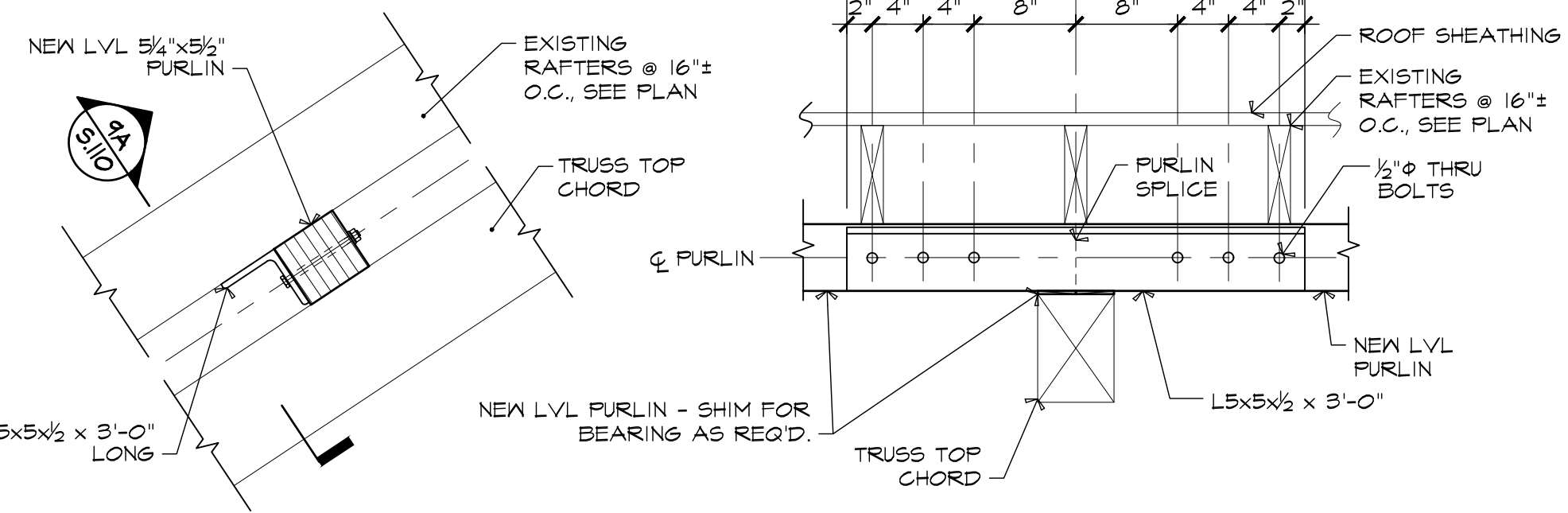
3 SECTION 1"=1'-0"
4 SECTION 1"=1'-0"



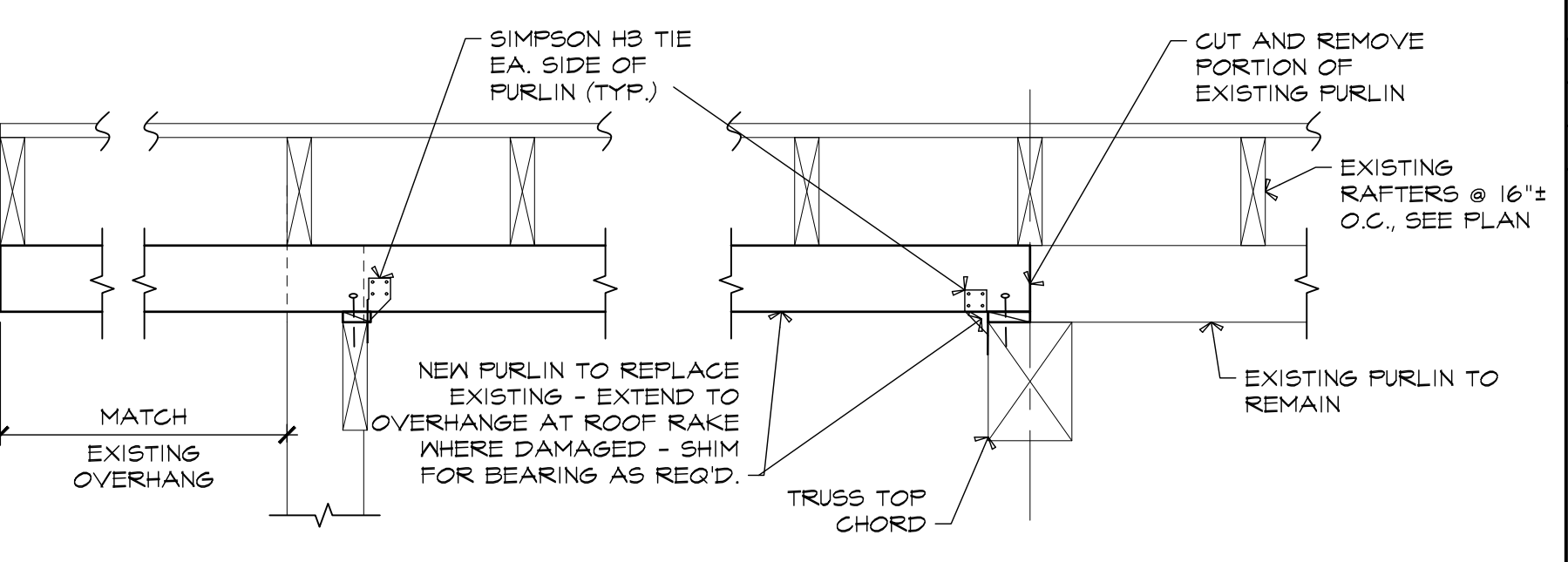
6 SECTION AT PURLIN / TRUSS TOP CHORD
1"=1'-0"



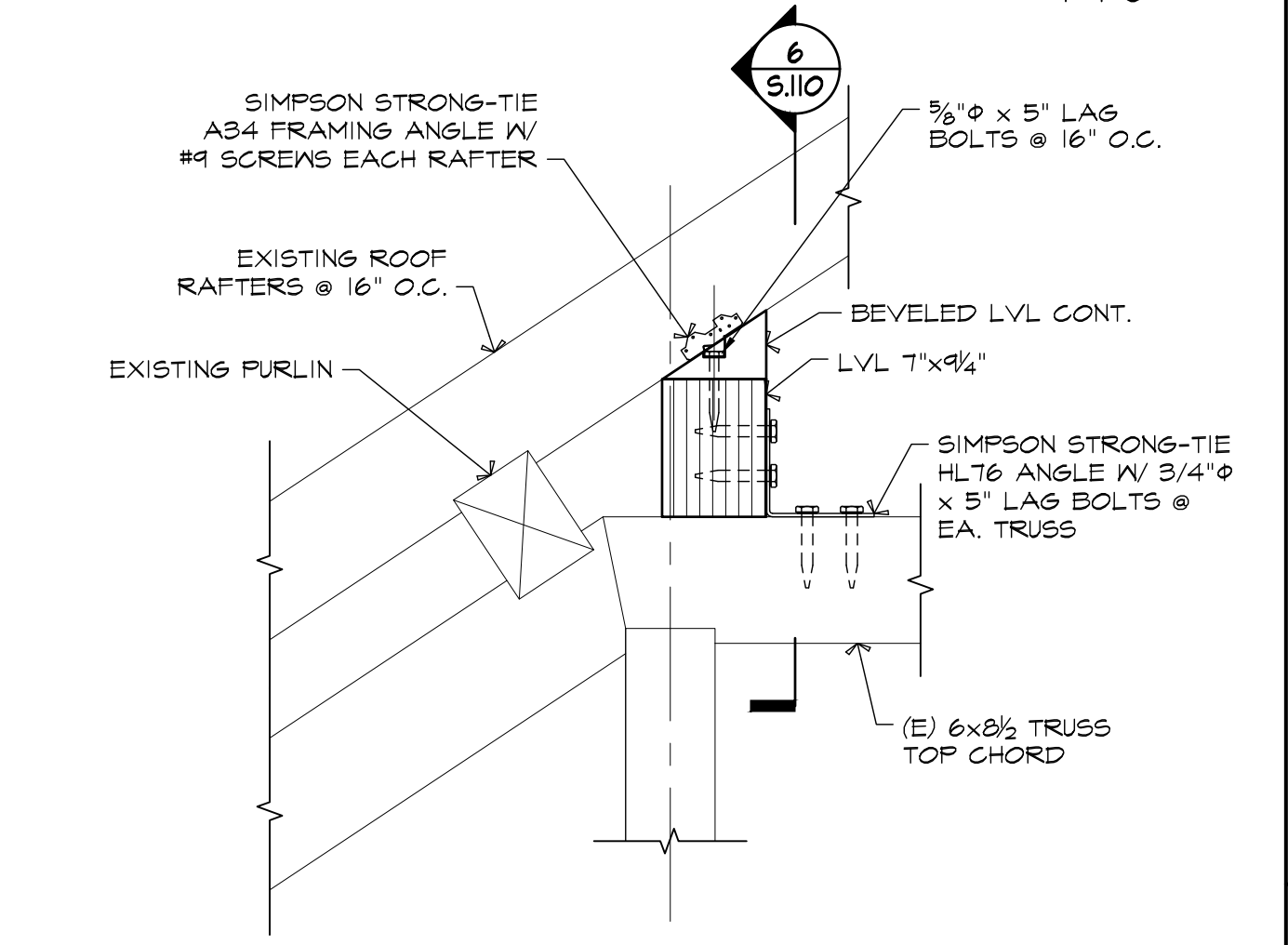
TYPICAL ELEVATION AT EXTERIOR END WALL
NOTE: EXTERIOR WALL SHEATHING AND STUDS NOT SHOWN FOR CLARITY 1/4"=1'-0"



9 PURLIN SPLICE DETAIL 1"=1'-0"
9A LVL PURLIN SPLICE CONNECTION AT TRUSS CHORD 1"=1'-0"



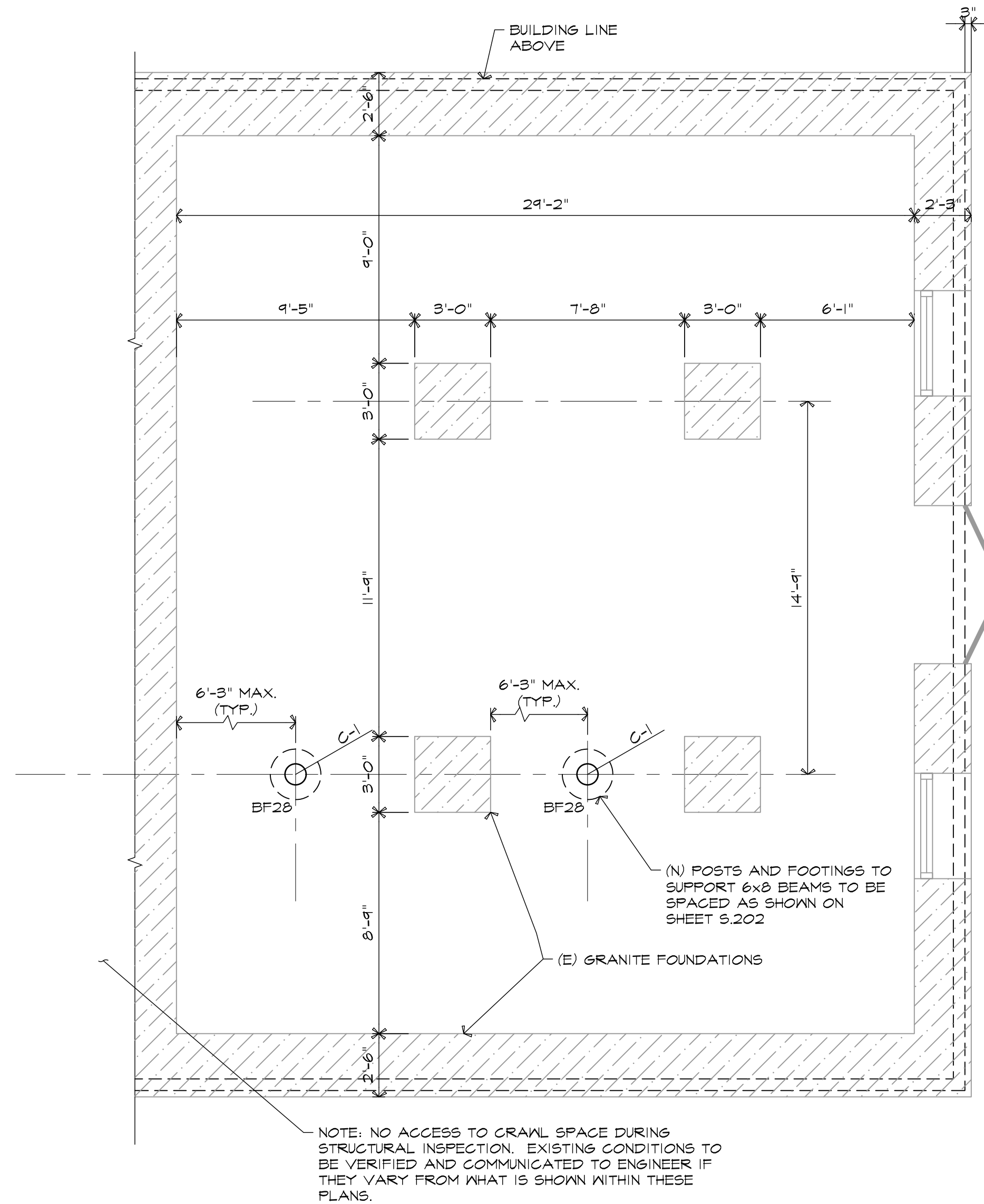
7 PURLIN REPLACEMENT CONNECTION @ 1st TRUSS
1"=1'-0"



8 DETAIL 1"=1'-0"

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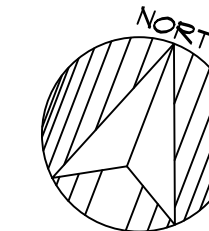
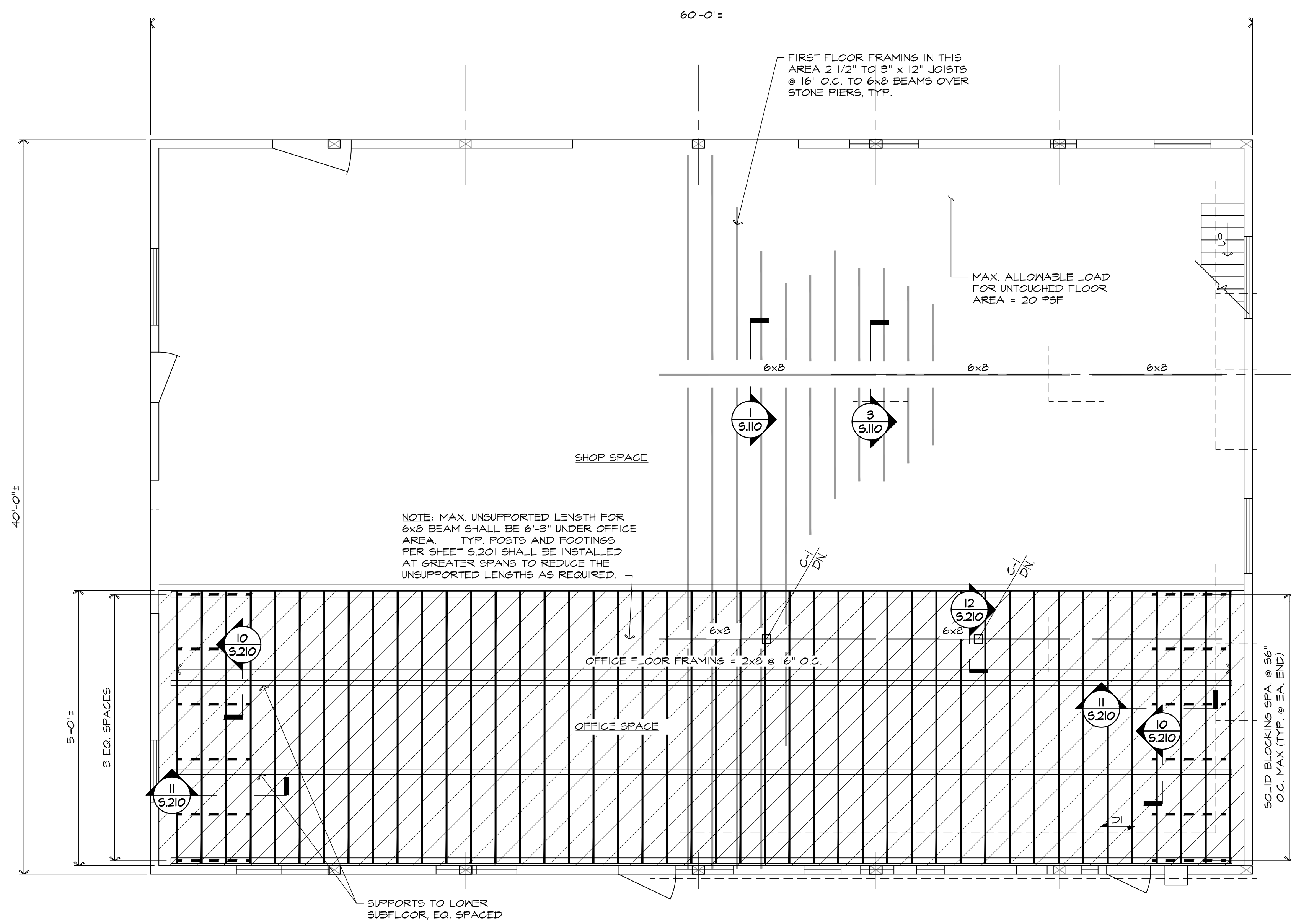
LEGEND
"CX" INDICATES COLUMN. SEE COLUMN SCHEDULE
"BFXX" INDICATES BIGFOOT FOOTING, AND SIZE. SEE DETAIL 1 ON S.210



BASEMENT PLAN - EAST END

1/4"=1'-0"

COLUMN SCHEDULE	
MARK	SIZE
C-1	PT 6X6



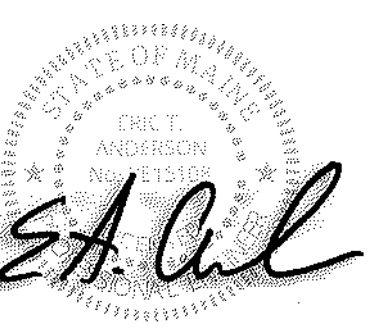
SHEET NOTES:

1. REMOVE EXISTING RAISED FLOOR SHEATHING TO EXPOSE ITS STRUCTURE OVER EXISTING FIRST FLOOR. EVALUATE FRAMING CONDITION AND CONNECTION TO FIRST FLOOR SYSTEM.
2. ADD NEW FASTENERS IN FIRST FLOOR SYSTEM TO ASSURE SHEATHING IS SECURELY FASTENED TO JOISTS BELOW.
3. INSTALL NEW FLOOR SUPPORT SYSTEM. SHIM AS REQUIRED TO ATTAIN LEVEL PLANE FOR NEW RAISED FLOOR.
4. INSTALL NEW FLOOR FRAMING PER FRAMING PLANS. FLOOR FRAMING SHOWN IS MINIMUM REQUIRED. FINISH FLOOR ELEVATION AT RAISED FLOOR PER ARCHITECT.

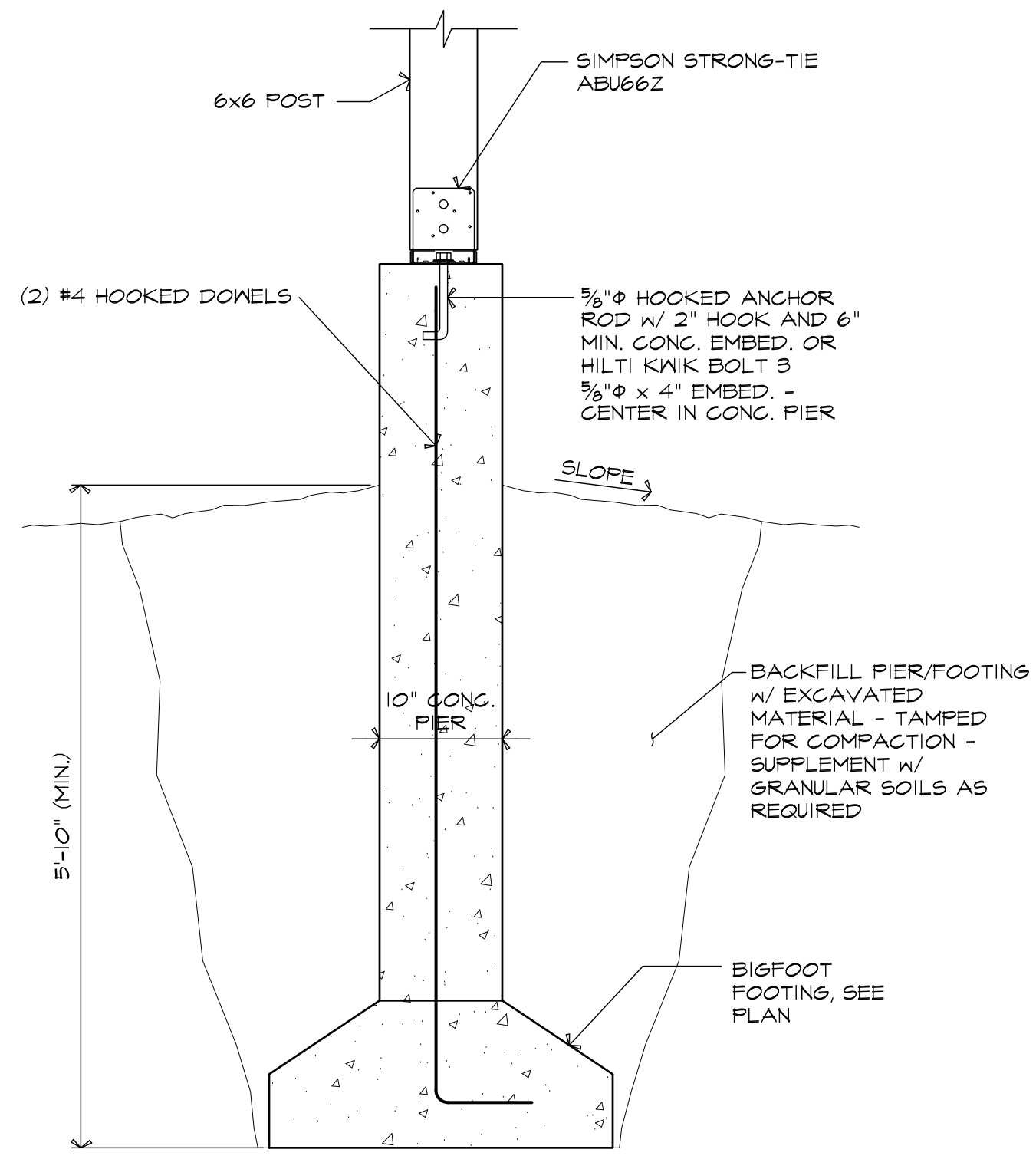
FIRST FLOOR FRAMING PLAN

1/4"=1'-0"

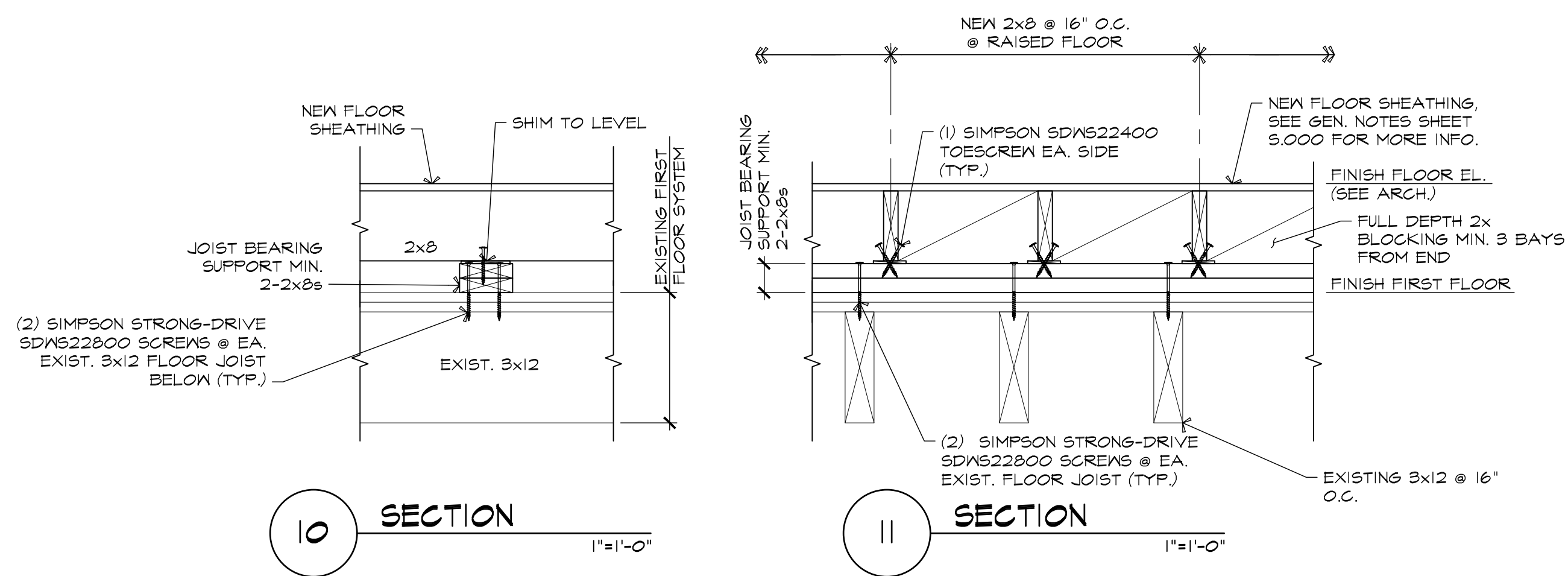
COLUMN SCHEDULE	
MARK	SIZE
C-1	PT 6x6



REV	DATE
0	20SEP2024

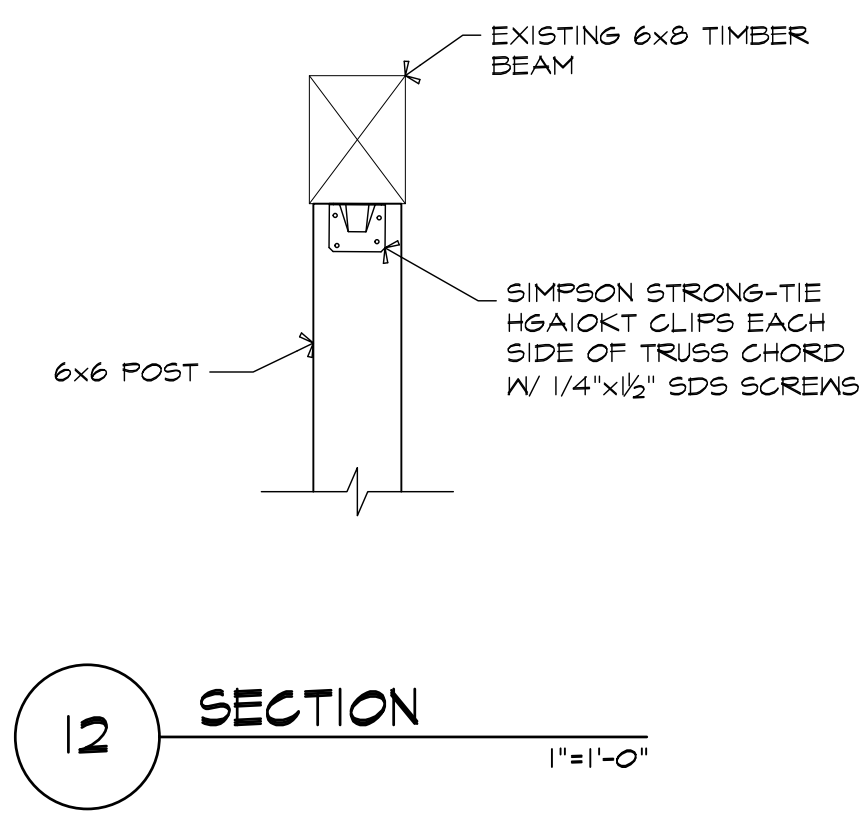


I TYPICAL FOUNDATION PIER
1"=1'-0"

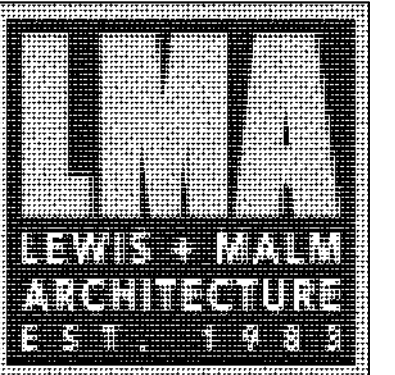


10 SECTION
1"=1'-0"

11 SECTION
1"=1'-0"



12 SECTION
1"=1'-0"



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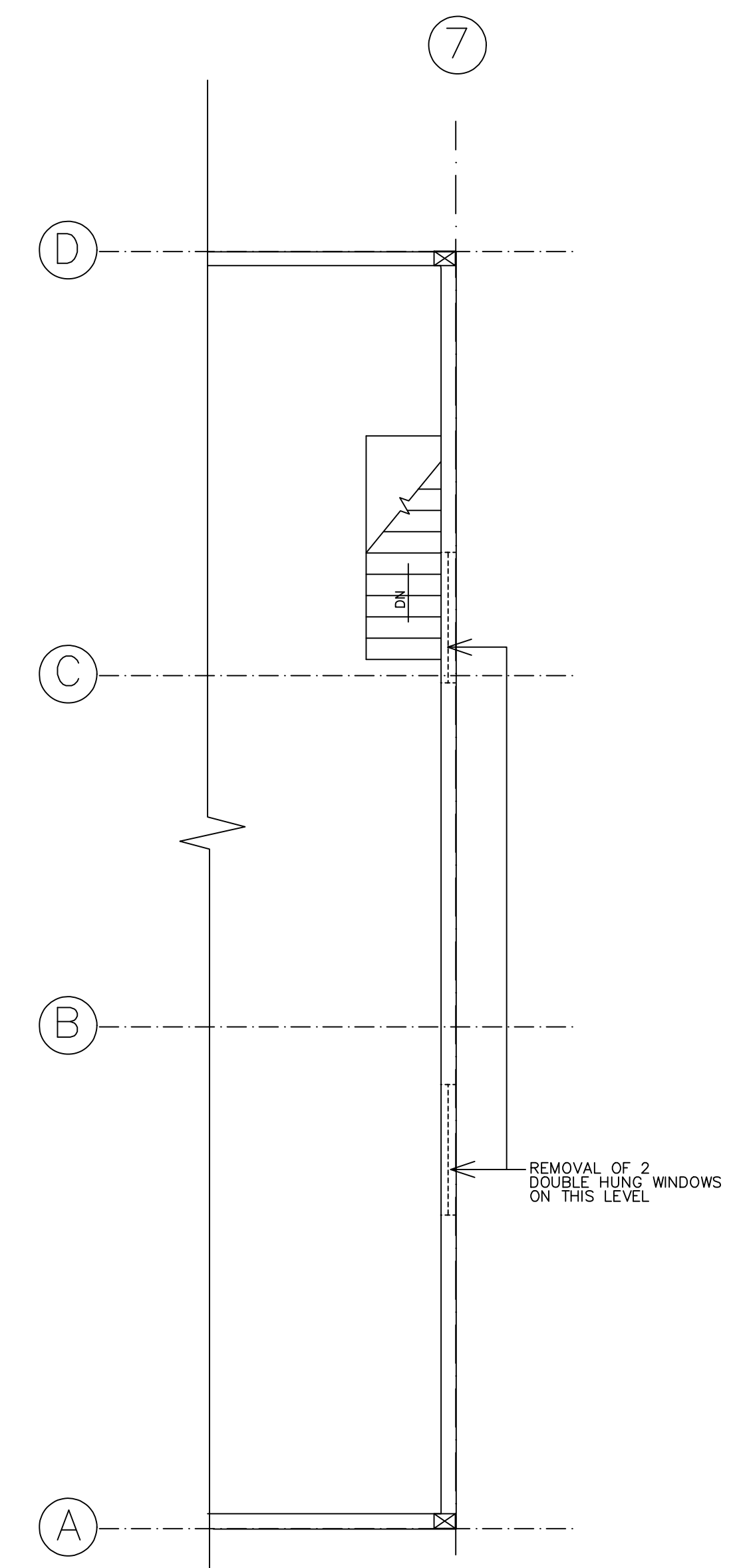
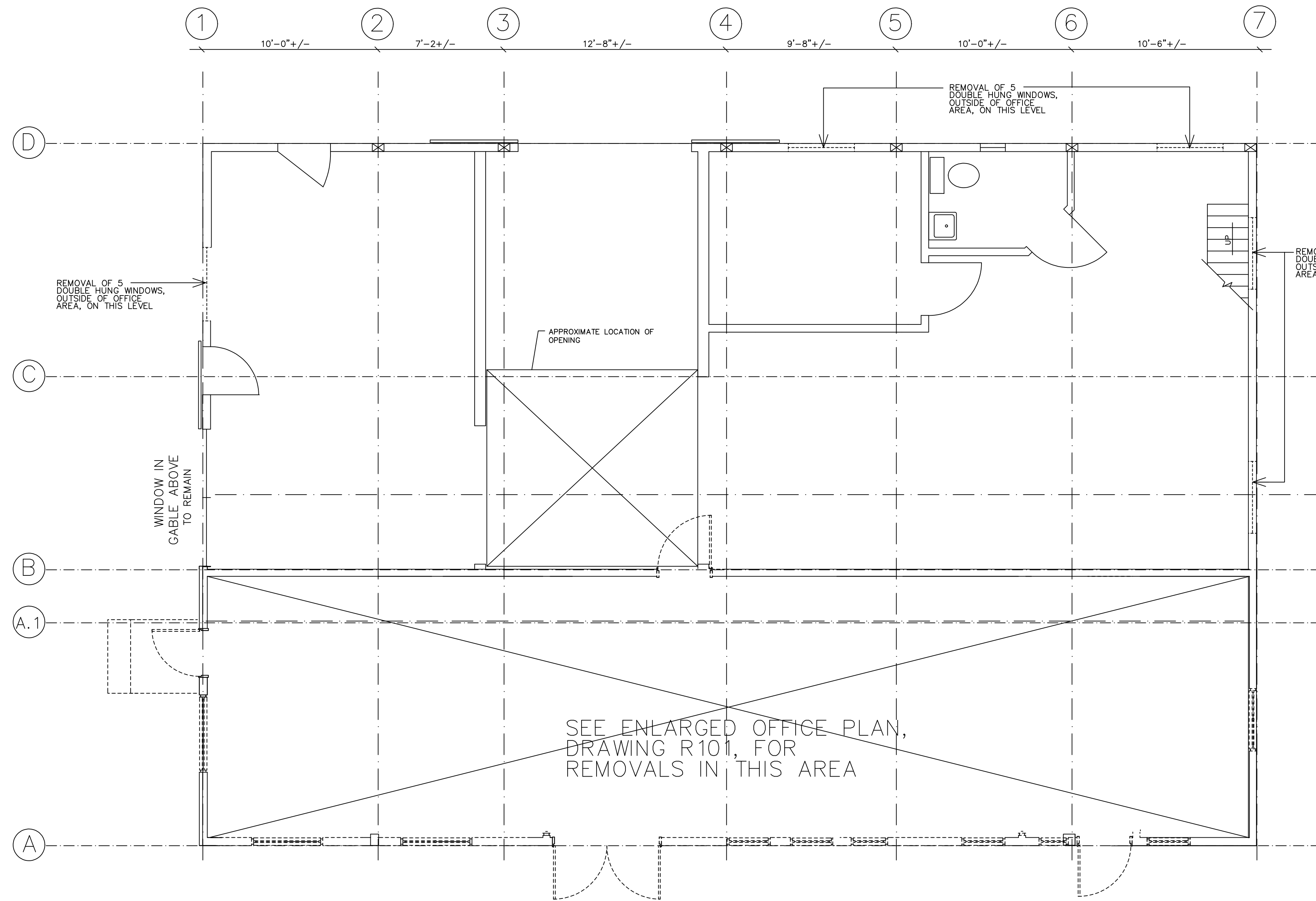
REV	DATE

LAMOINE STATE PARK OFFICE RENOVATIONS
LAMOINE, MAINE

REMOVALS-1ST & 2ND FLOOR BARN PLANS

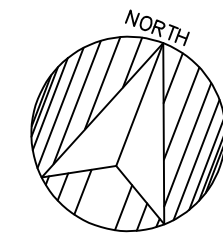
2308.01

R100

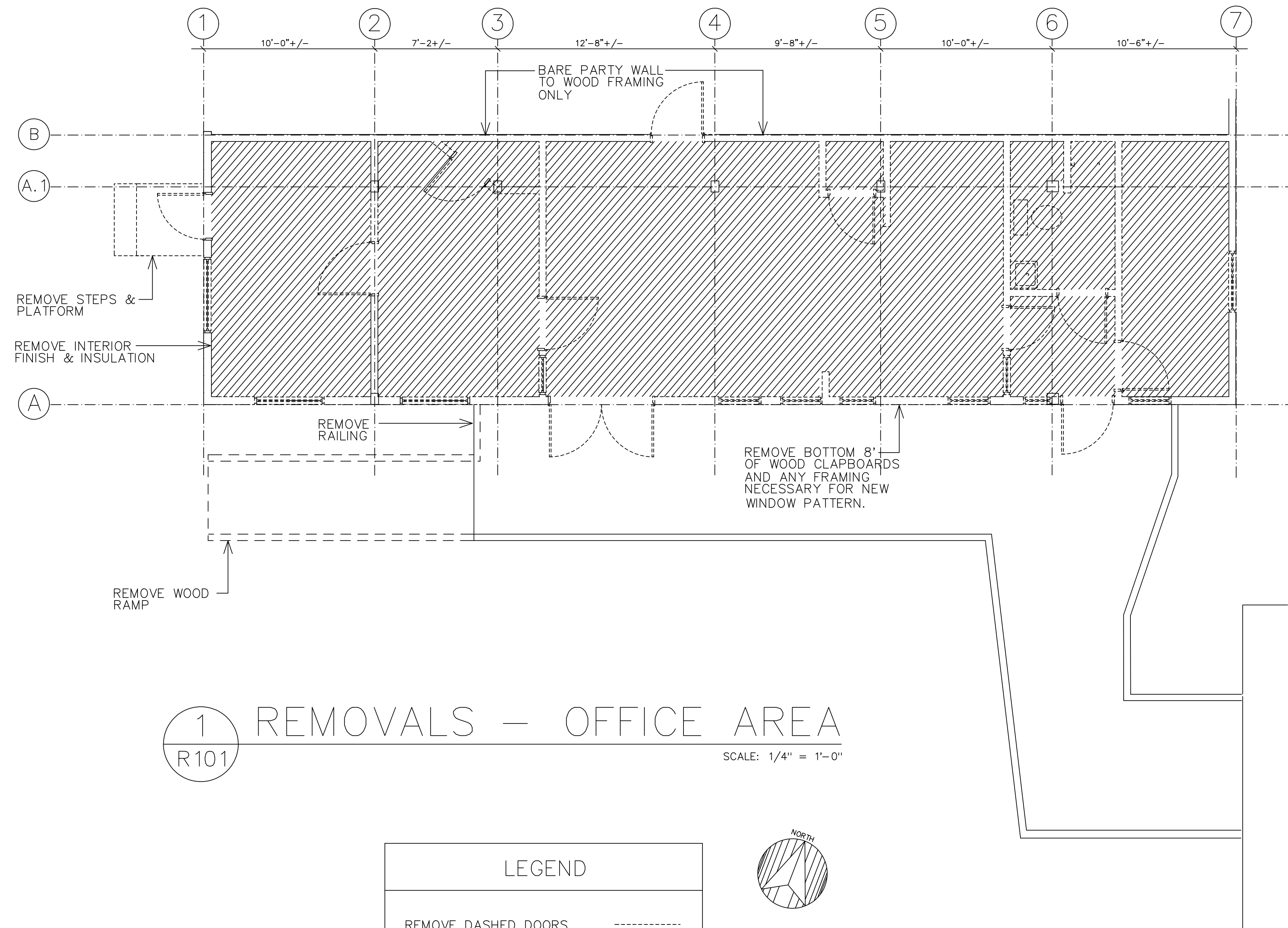


1 REMOVALS - FIRST FLOOR BARN PLAN
R100 SCALE: 1/4" = 1'-0"

2 REMOVALS - 2ND FLOOR
R100 SCALE: 1/4" = 1'-0"



LEGEND	
REMOVE DASHED ITEMS	-----



1 REMOVALS - OFFICE AREA
R101 SCALE: 1/4" = 1'-0"

LEGEND	
REMOVE DASHED DOORS, RAMP, RAILS, WALLS, & WINDOWS	-----
REMOVAL OF STIPPLED PLASTER CEILING & REMOVE EXISTING RAISED FLOOR SHEATHING & FRAMING, SEE STRUCTURALS	////

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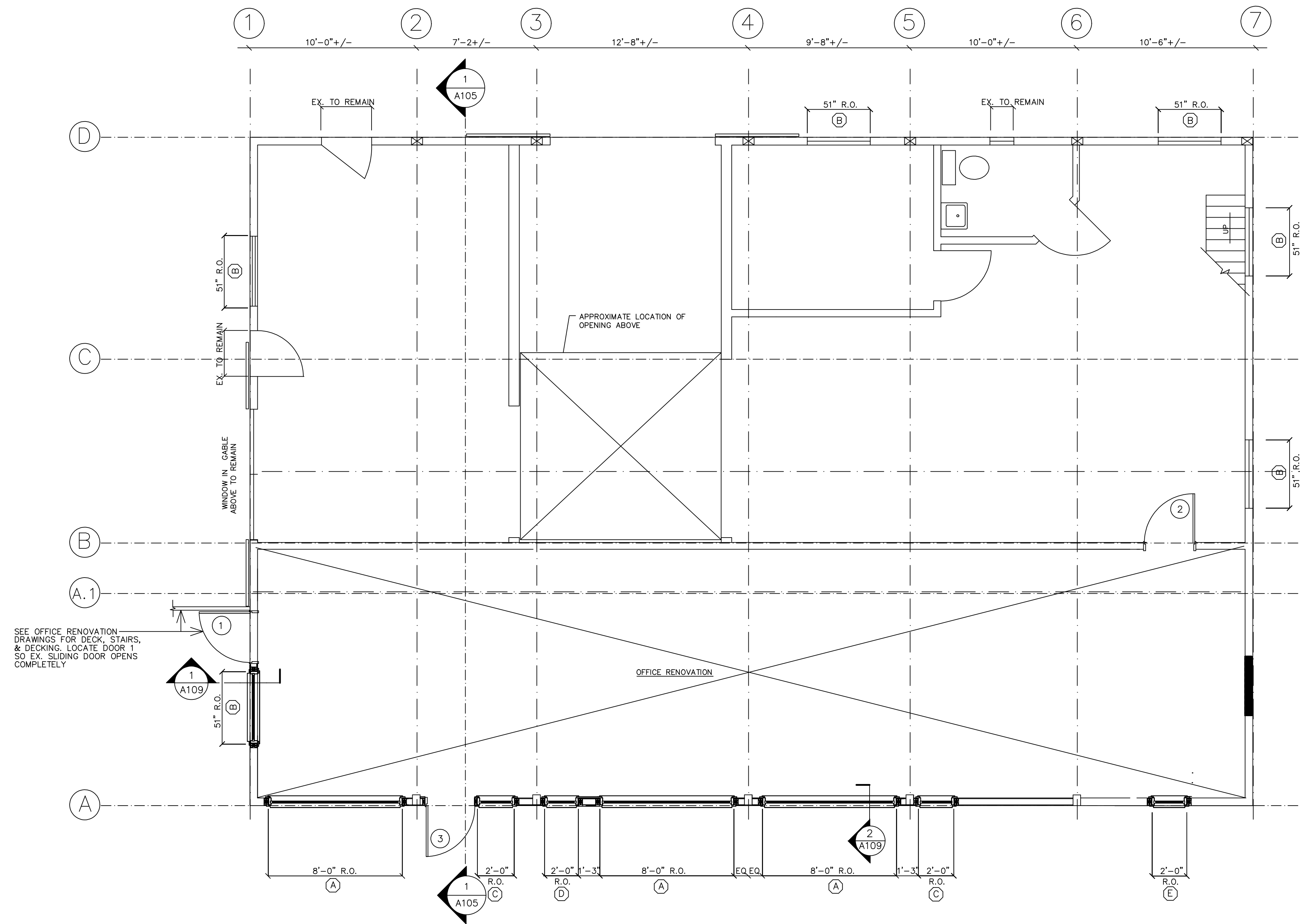
LAMOINE STATE PARK OFFICE RENOVATIONS
LAMOINE, MAINE

REMOVALS - OFFICE AREA

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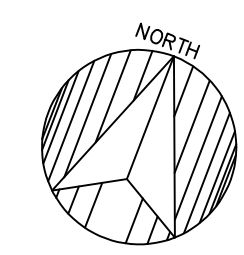
R101

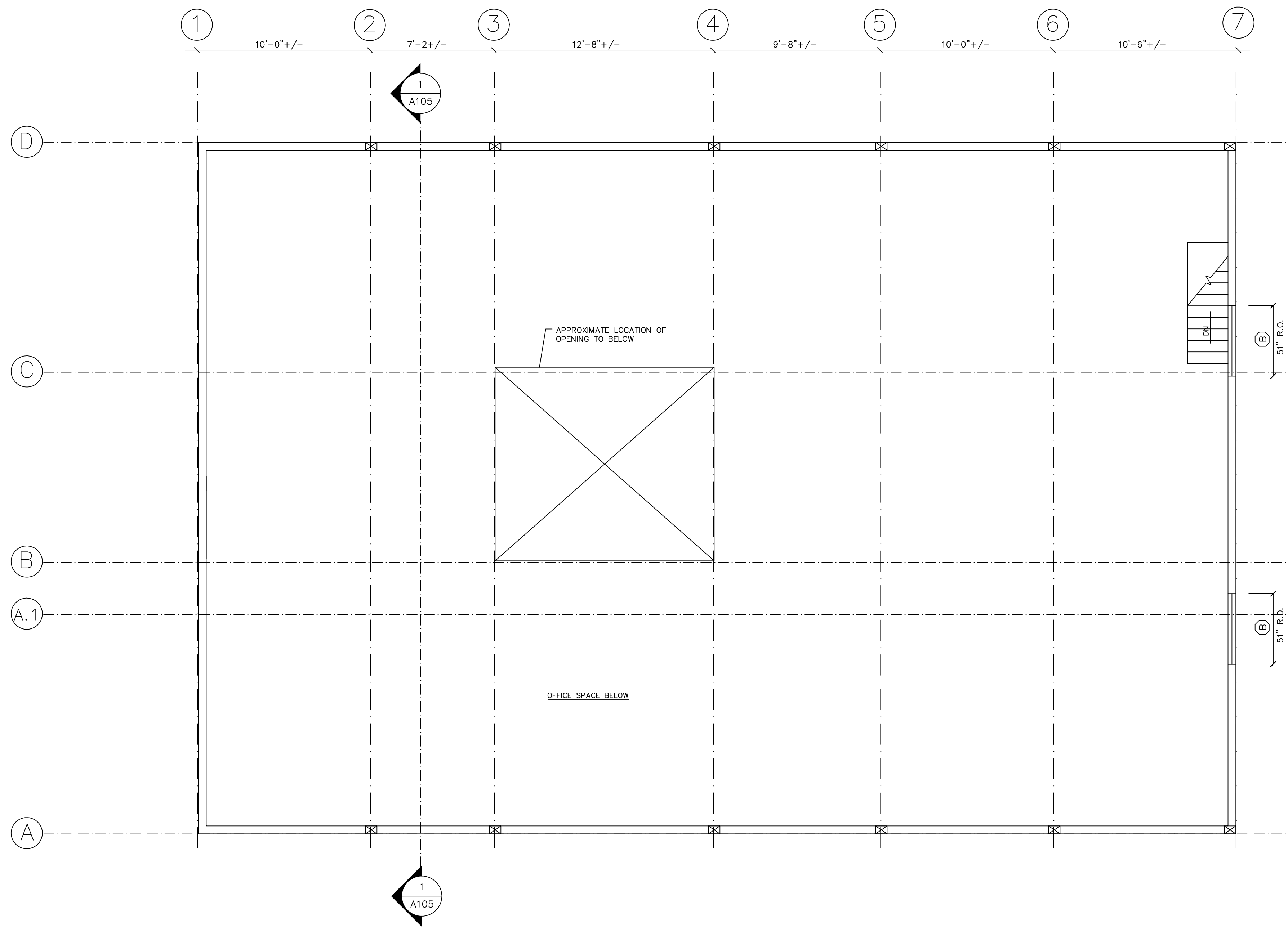
REV	DATE



1 FIRST FLOOR BARN PLAN
A 100

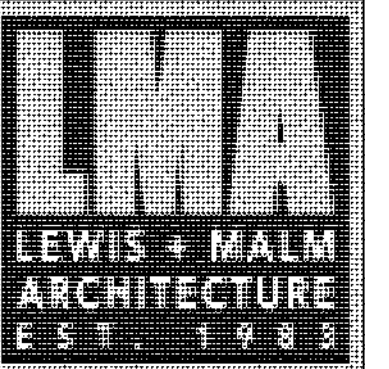
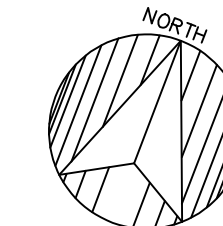
SCALE: 1/4" = 1'-0"



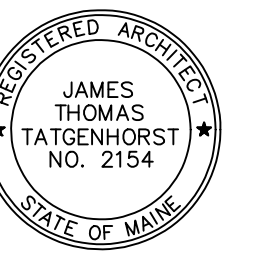


1 SECOND FLOOR BARN PLAN
A201

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



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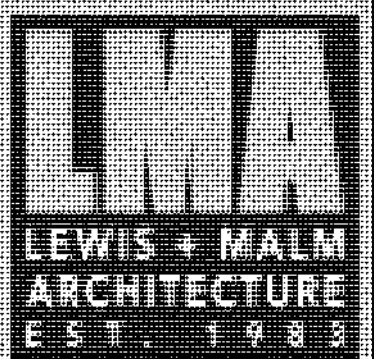
REV	DATE

LAMOINE STATE PARK BARN RENOVATION
LAMOINE, MAINE

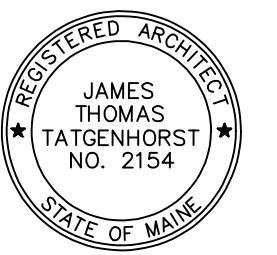
SECOND FLOOR BARN PLAN

2308.01

A101



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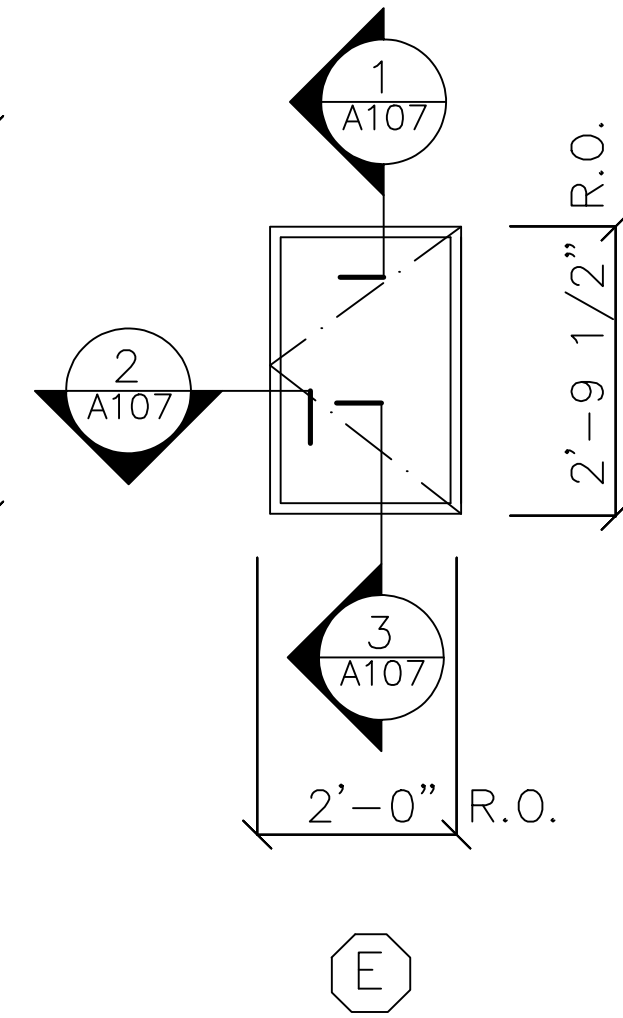
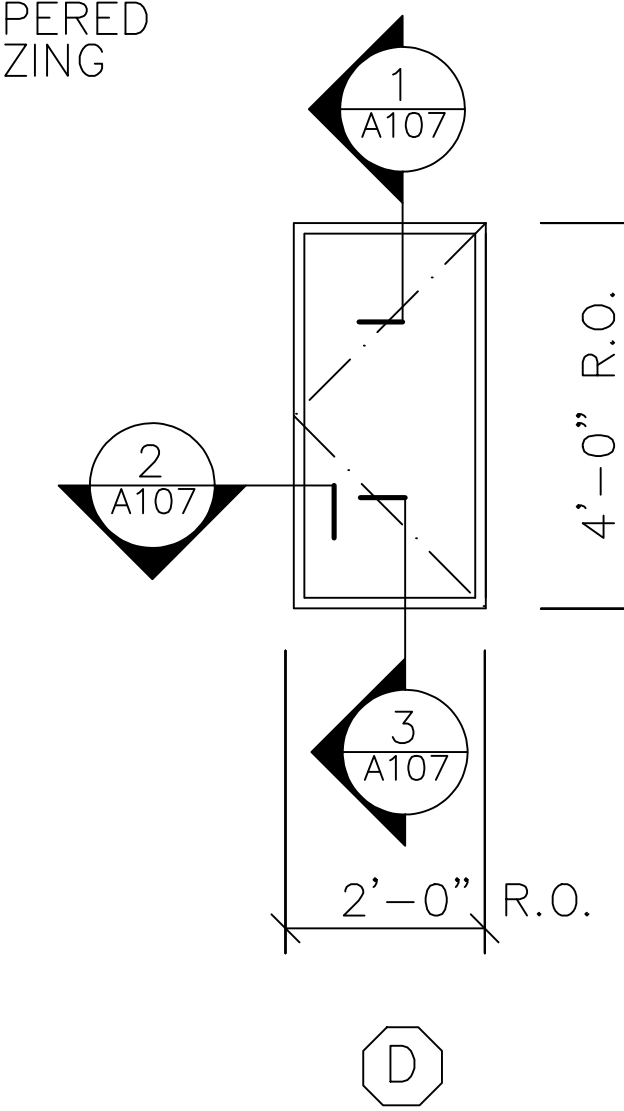
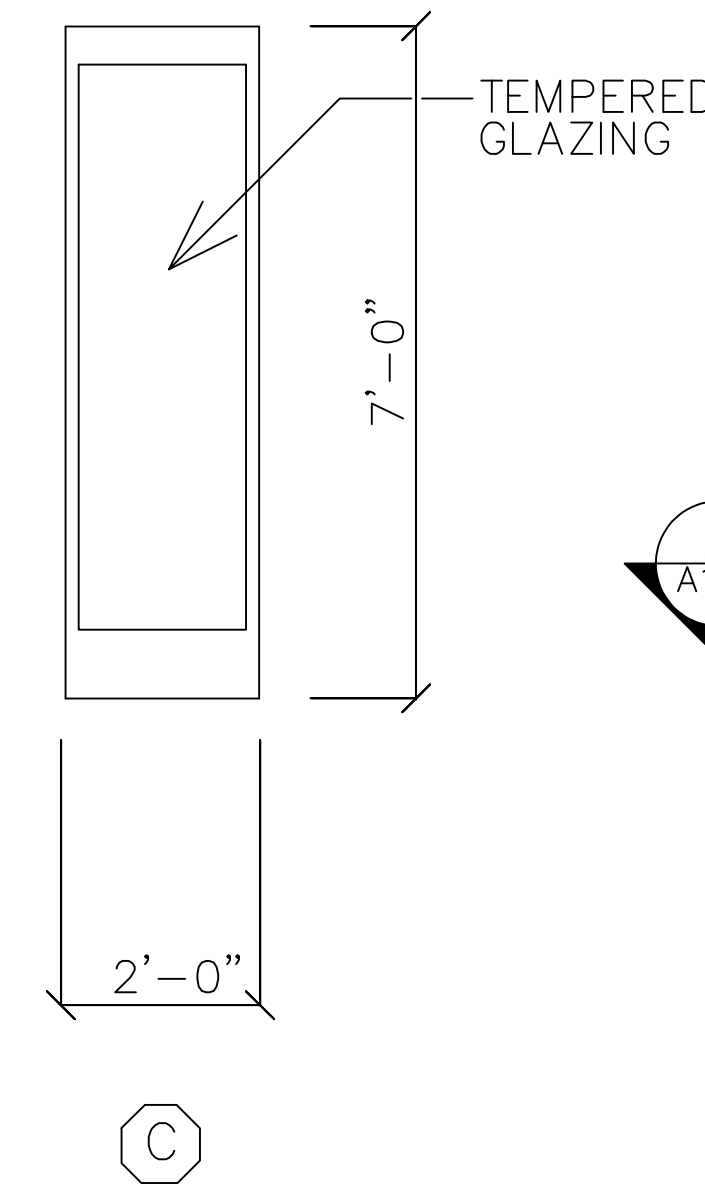
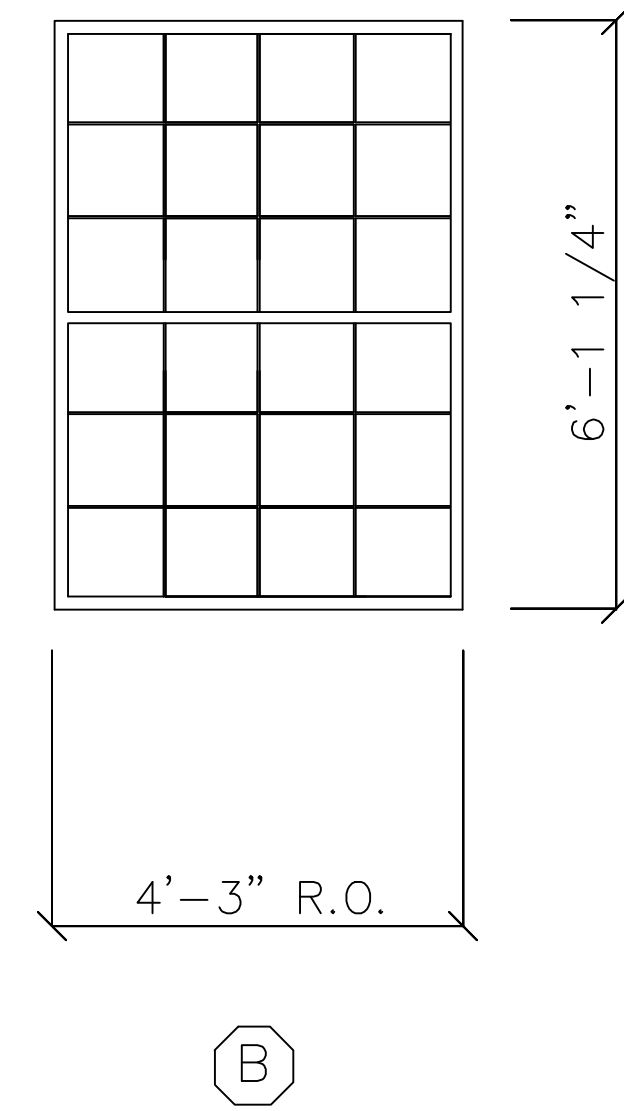
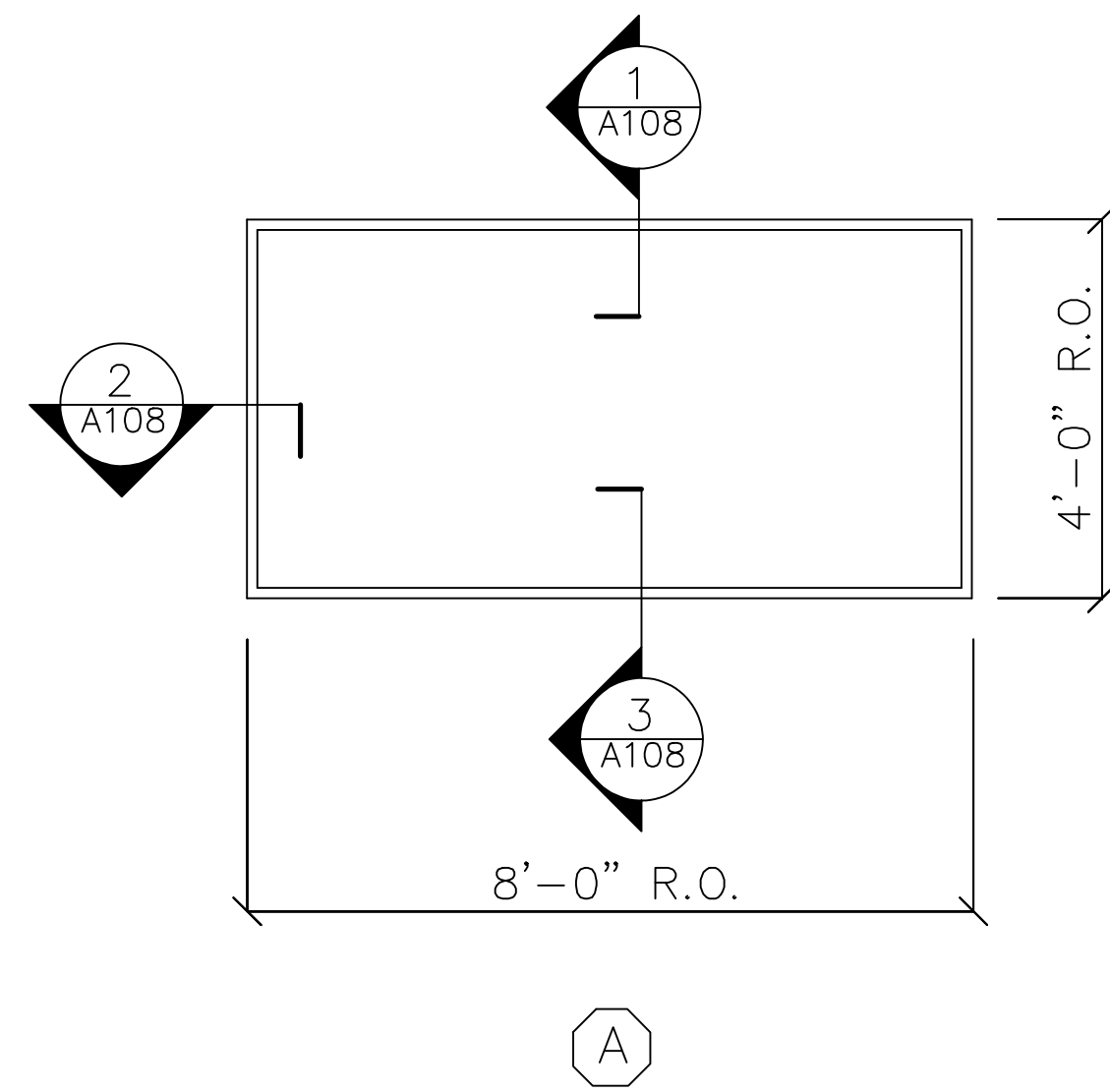
REV	DATE

LAMOINE STATE PARK BARN RENOVATION
LAMOINE, MAINE

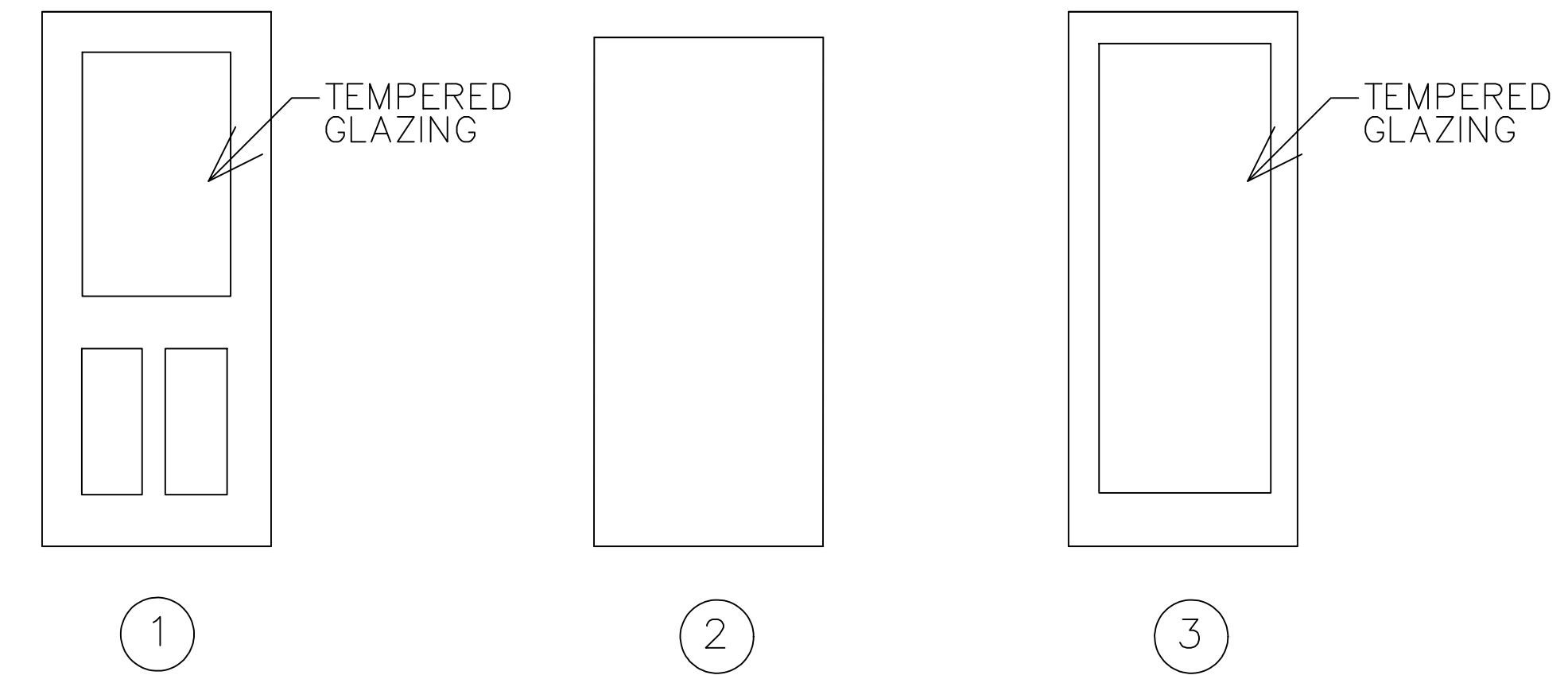
DOOR SCHEDULE, DOOR & WINDOW TYPES

2308.01

A102



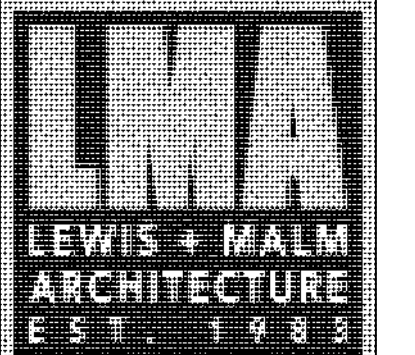
1 WINDOW TYPES
A102 SCALE: 1/4" = 1'-0"



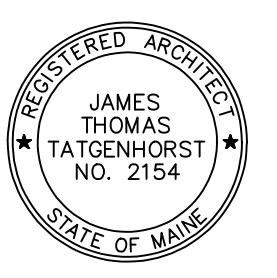
2 DOOR TYPES
A102 SCALE: 1/4" = 1'-0"

DOOR SCHEDULE														
NO.	LOCATION FROM	TO	SING	PAIR	TYPE	WIDTH	HEIGHT	THICK	FINISH	UL LABEL	CLOSER	GASKETING	REMARKS	NO.
1	EXT	OFF 1	X		1	3'-0"	7'-0"	1 3/4"	PAINT	—	YES	YES	NEW DOOR WIDENED OPENING	1
2	ELEC	BARN	X		2	3'-0"	6'-8"	1 3/4"	PAINT	60	YES	YES		2
3	EXT	VEST	X		3	3'-0"	7'-0"	1 3/4"	PAINT	—	YES	YES	ELECTRIC LATCH CONTROLLED FROM OFFICE 2 & BOTH WORK STATIONS	3

DOOR HARDWARE
 DOOR 1 & 3 – SARGENT – MORTISE LOCK 8255
 DOOR 2 – SARGENT – CYLINDRICAL BORED LOCK 10XG24
 FINISHES – SATIN NICKEL
 HINGES – MCKINNEY TA2714, 4 1/2"X 4 1/2"
 LEVERS – SARGENT STANDARD L LEVERS
 CLOSERS – SARGENT 281 SERIES POWERGLIDE W/ UO PACKAGE STANDARD ARM, 281-P9 PARALLEL APPLICATION
 GASKETING – PEMKO PERIMETER GASKETING – 303 V, MILL FINISH ALUMINUM



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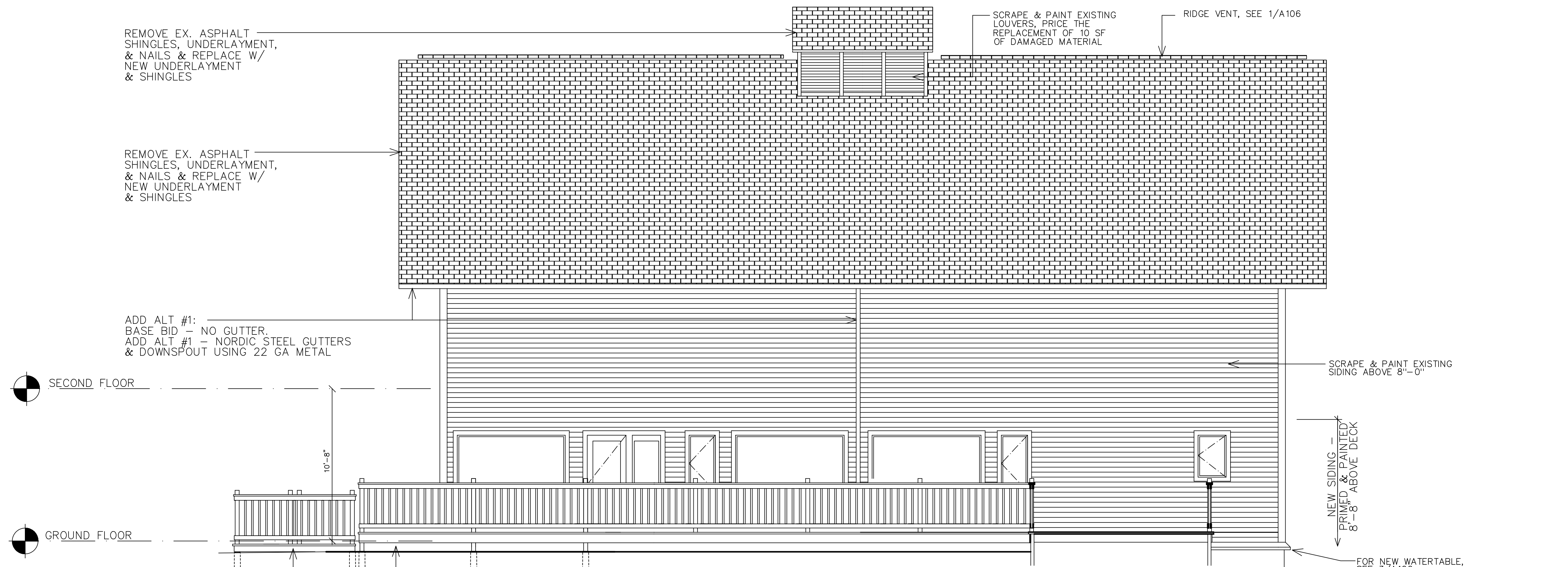
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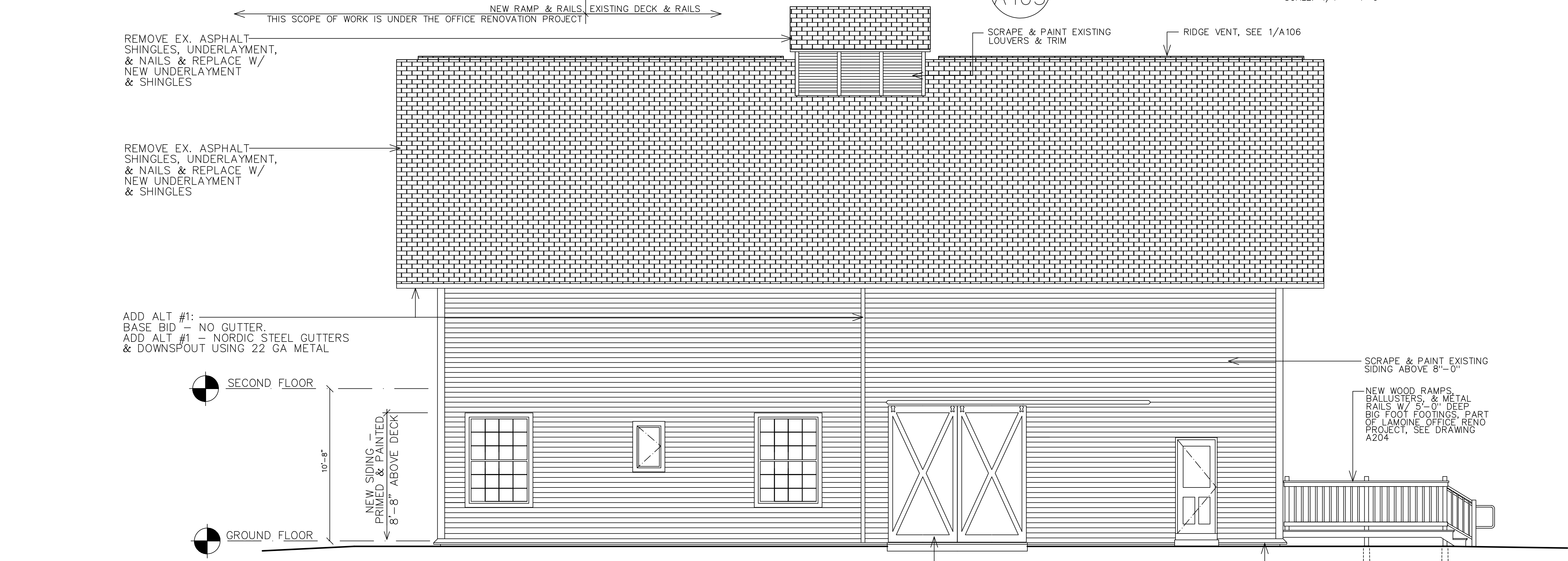
LAMOINE STATE PARK BARN RENOVATION
LAMOINE, MAINE
ELEVATIONS

2308.01

A103

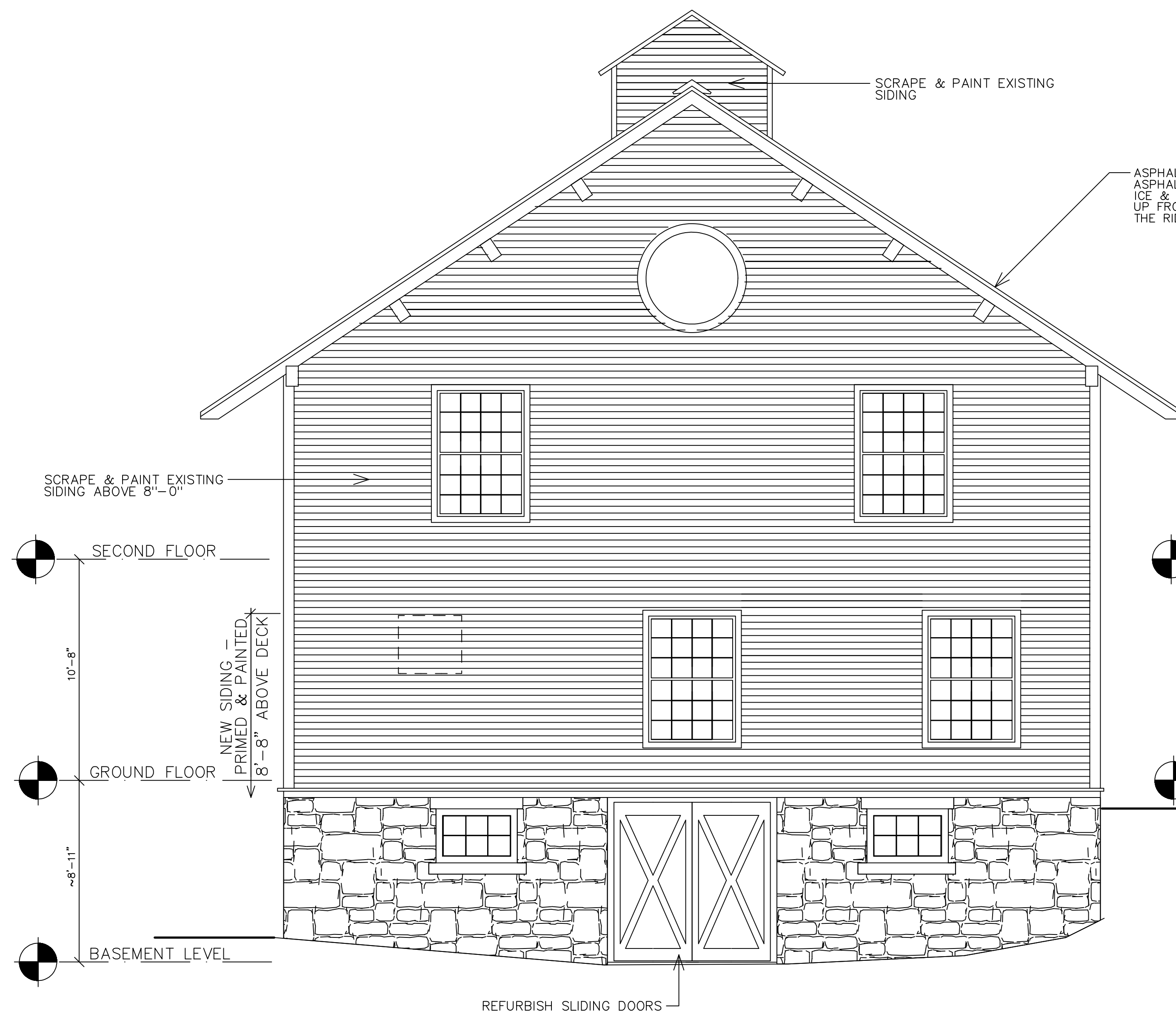


1 SOUTH ELEVATION
A103
SCALE: 1/4" = 1'-0"

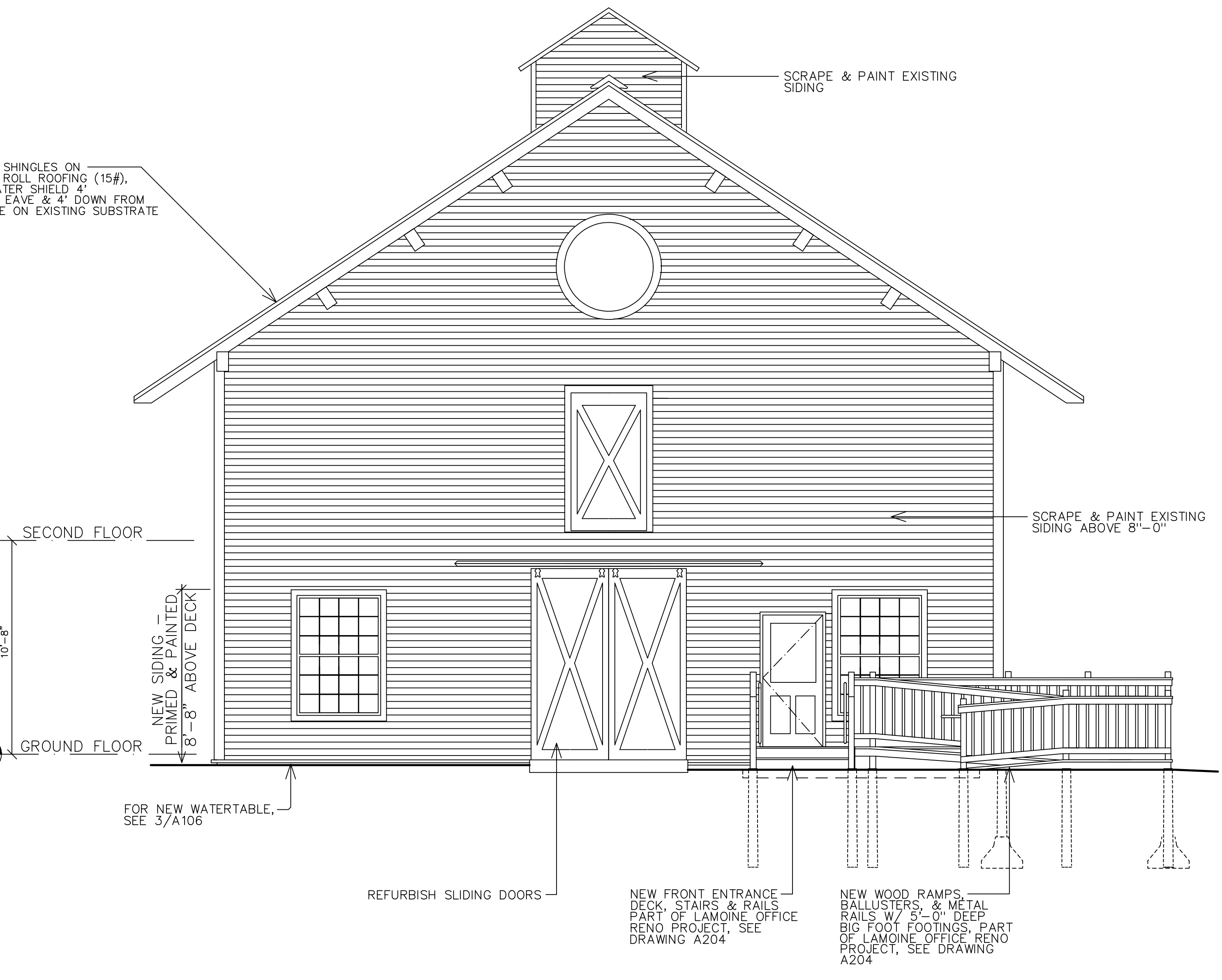


2 NORTH ELEVATION
A103
SCALE: 1/4" = 1'-0"

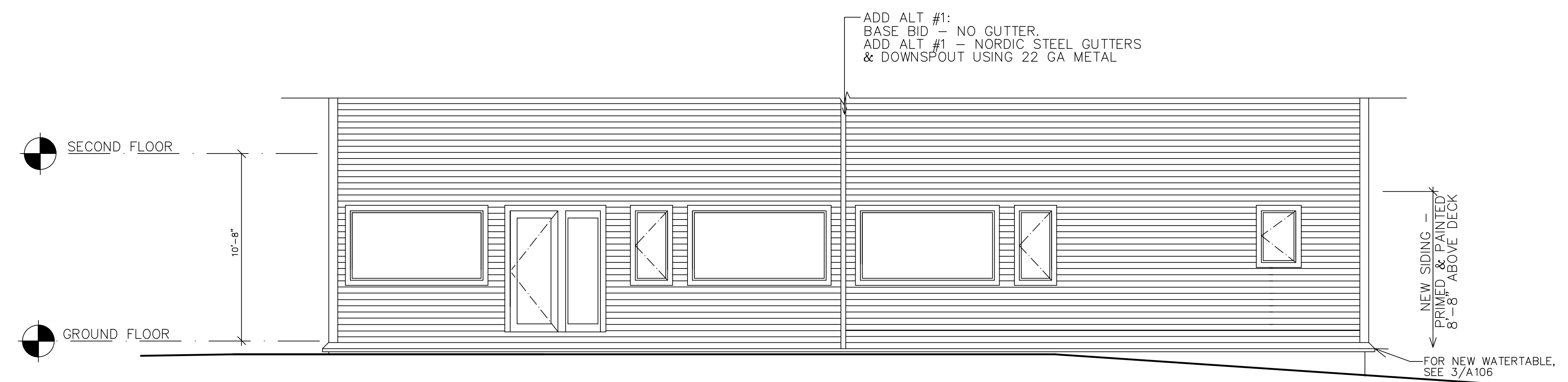
REV	DATE



1 EAST ELEVATION
A104 SCALE: 1/4" = 1'-0"

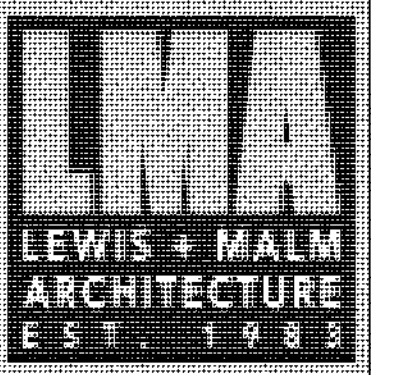


2 WEST ELEVATION
A104 SCALE: 1/4" = 1'-0"

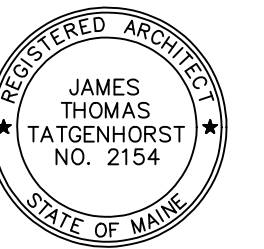


3 SOUTH ELEVATION
A104 W/O DECK & RAMP SCALE: 1/4" = 1'-0"

NOTE: SEE 1/A103 FOR ELEVATION OF BARN WITH DECK & RAMP IN DRAWING



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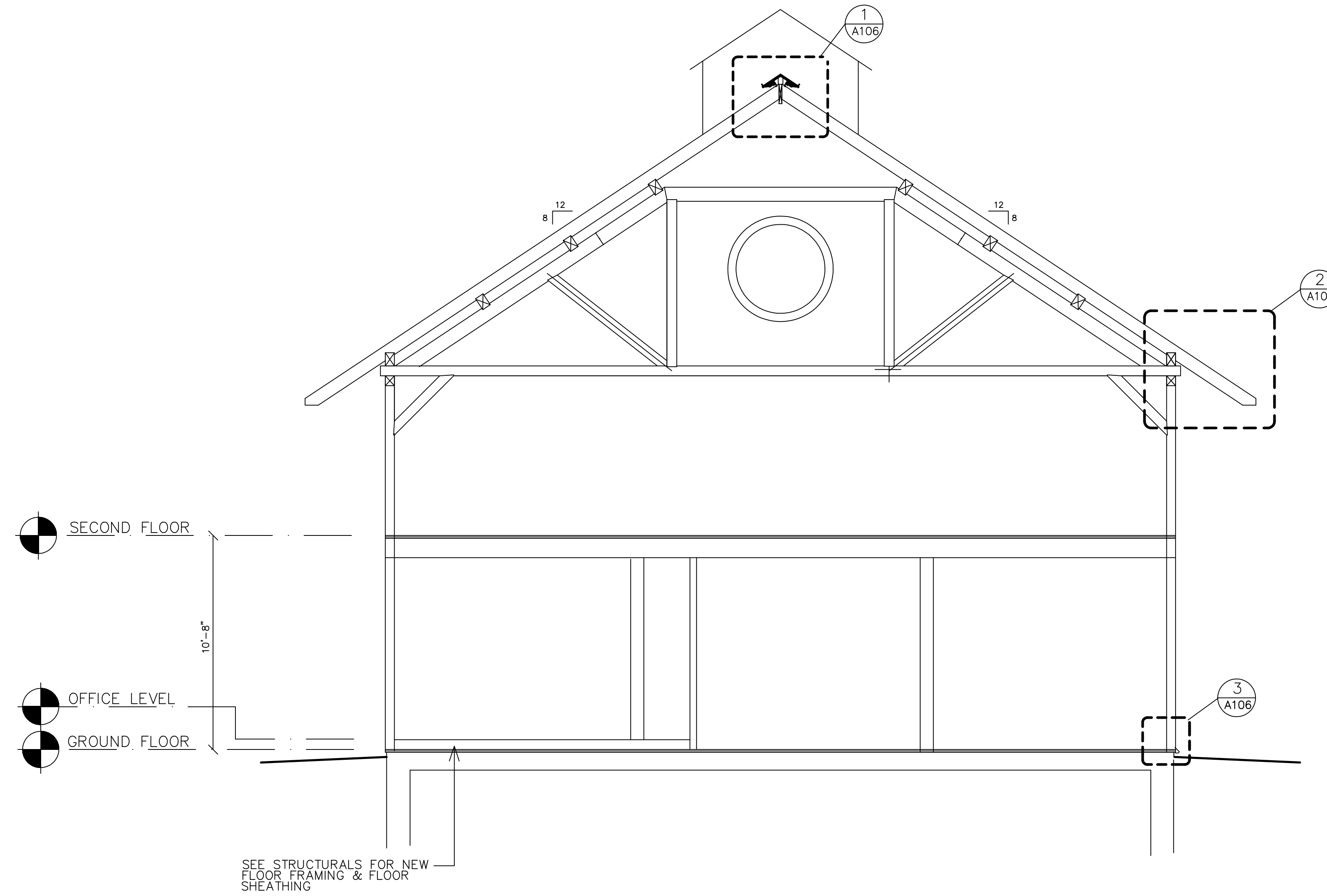
REV	DATE

LAMOINE STATE PARK BARN RENOVATION
LAMOINE, MAINE

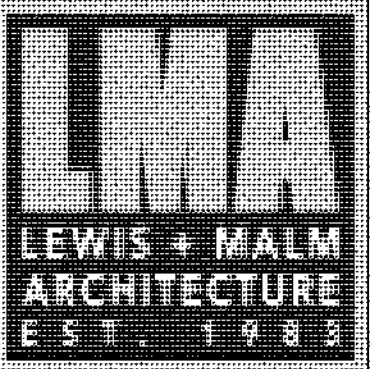
BUILDING SECTION

2308.01

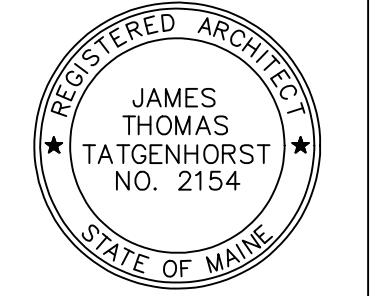
A 105



1 BUILDING SECTION
A105 SCALE: 1/4" = 1'-0"



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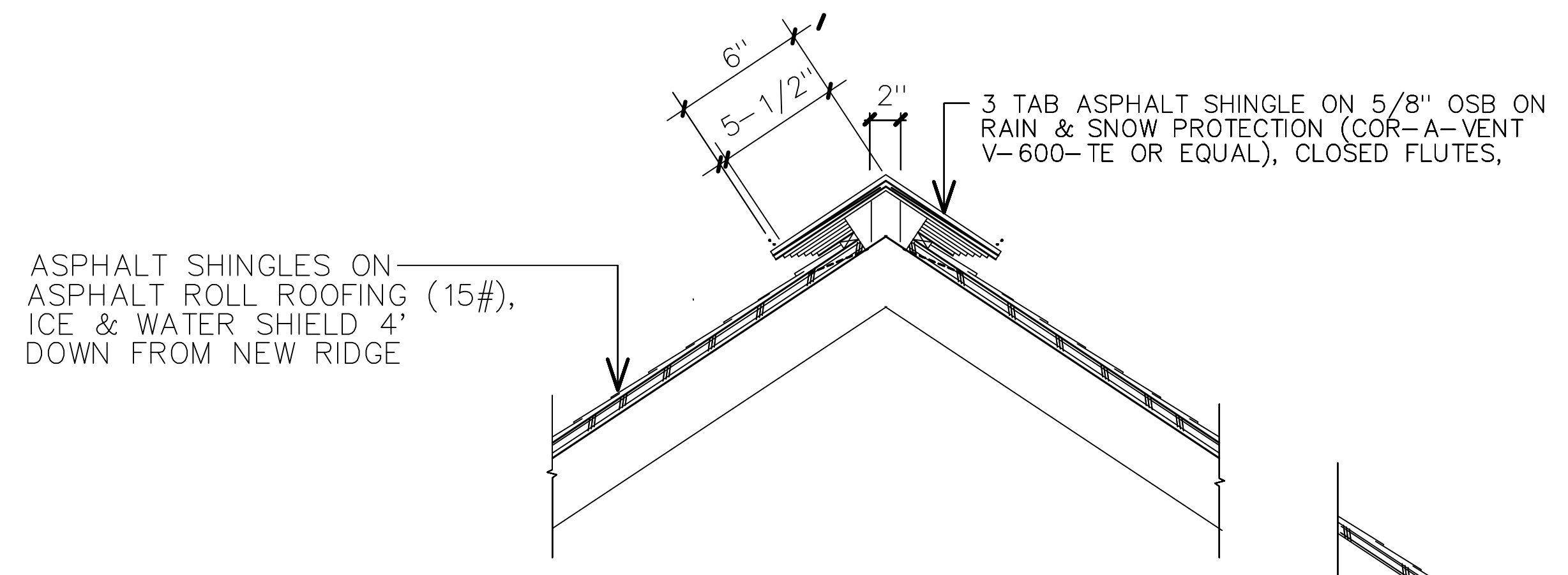
GC BID SET

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REV DATE

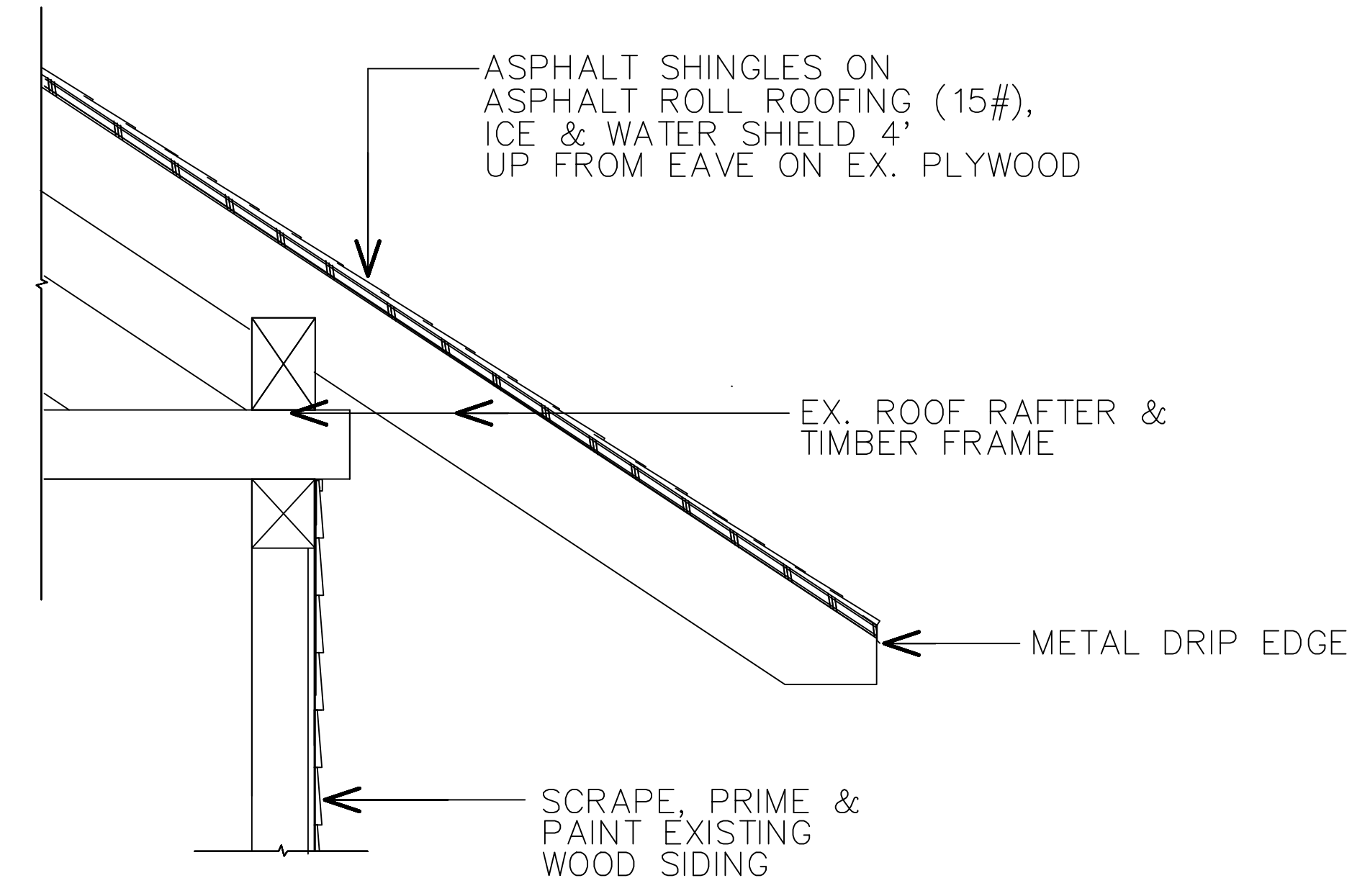
LAMOINE STATE PARK BARN RENOVATIONS
LAMOINE, MAINE
BUILDING DETAILS

2308.01

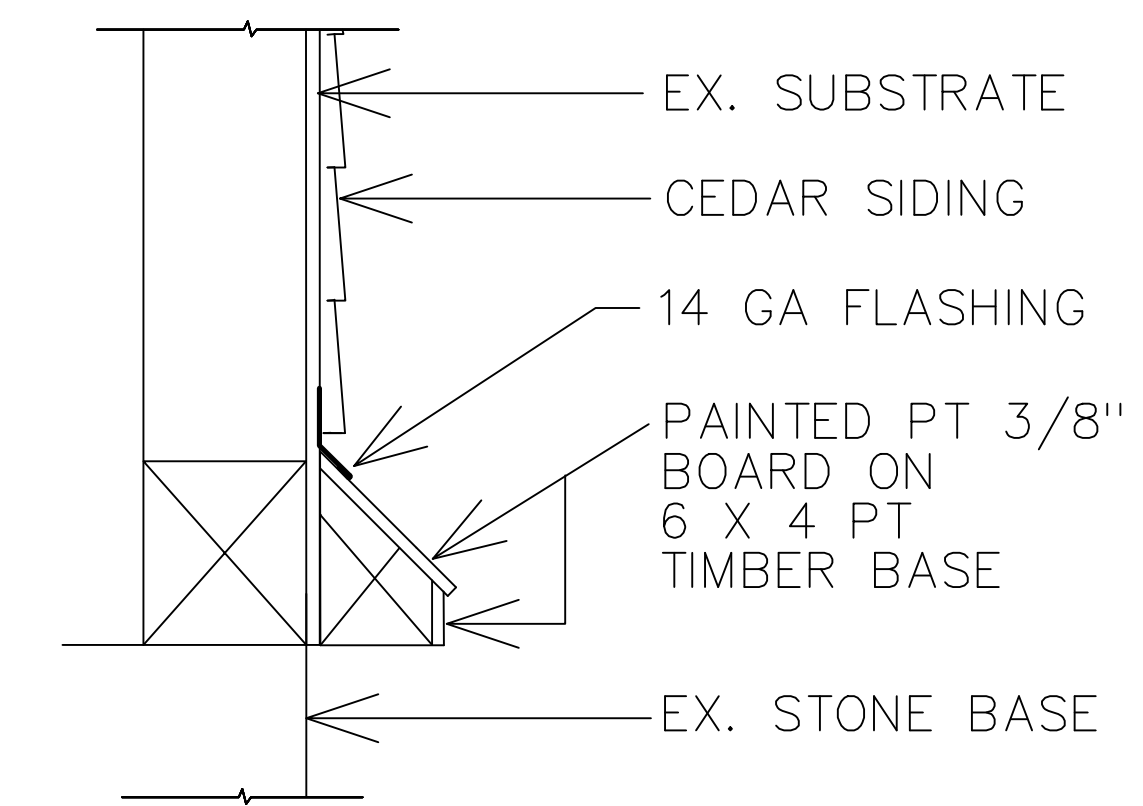
A106



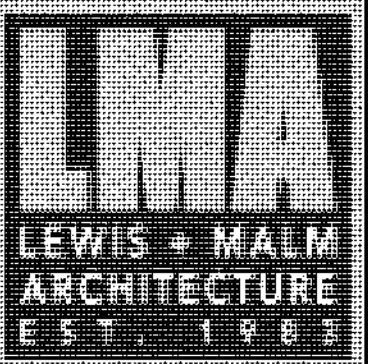
1 RIDGE DETAIL
A106 SCALE: 1"=1'-0"



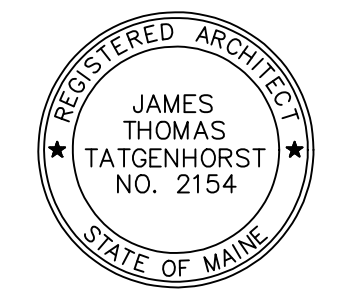
2 EAVE DETAIL
A106 SCALE: 1"=1'-0"



3 WUERTABLE DETAIL
A106 SCALE: 2"=1'-0"



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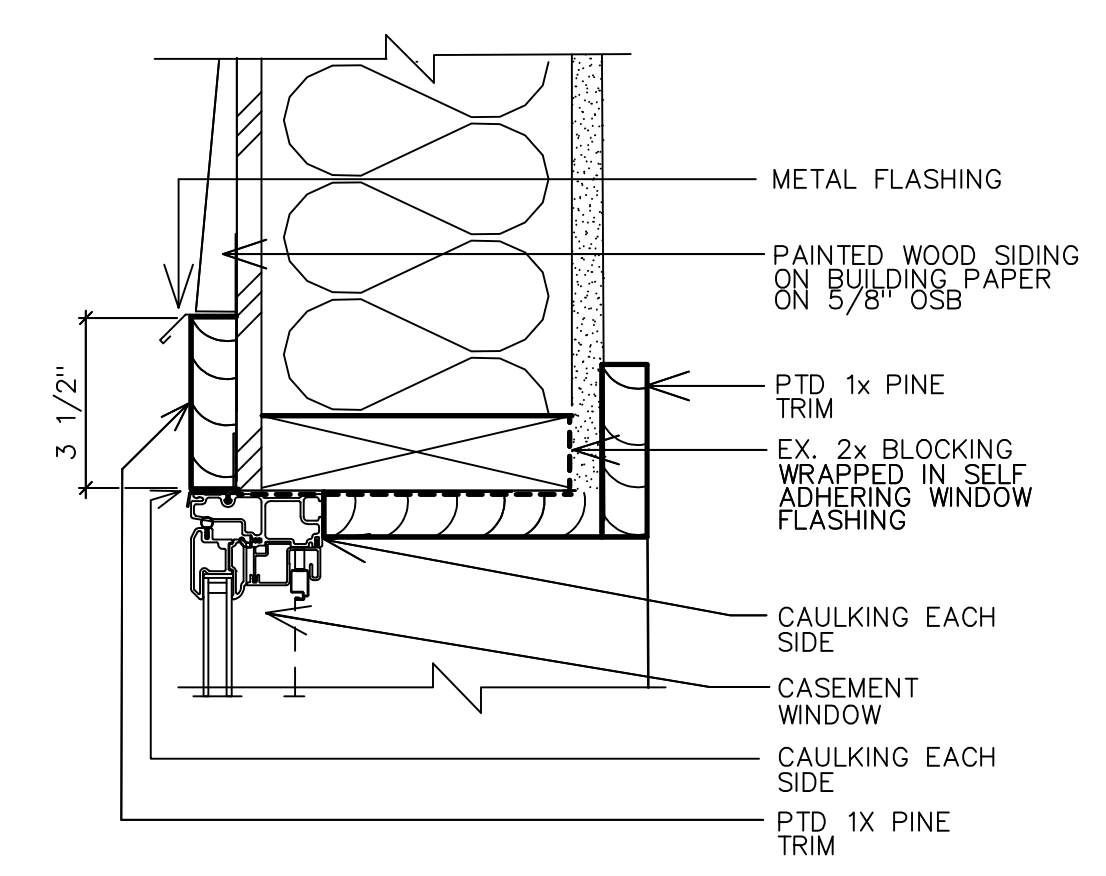
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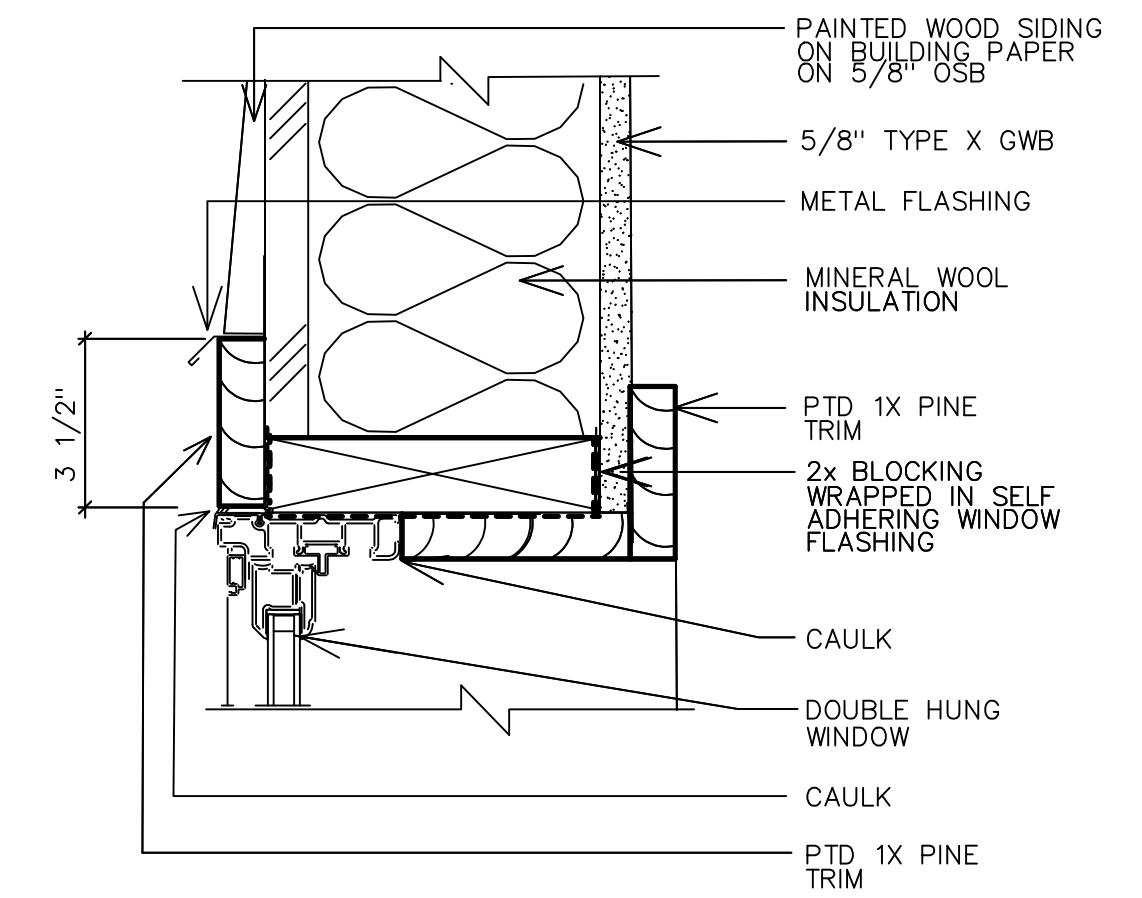
LAMOINE STATE PARK BARN RENOVATIONS
LAMOINE, MAINE
WINDOW DETAILS

2308.01

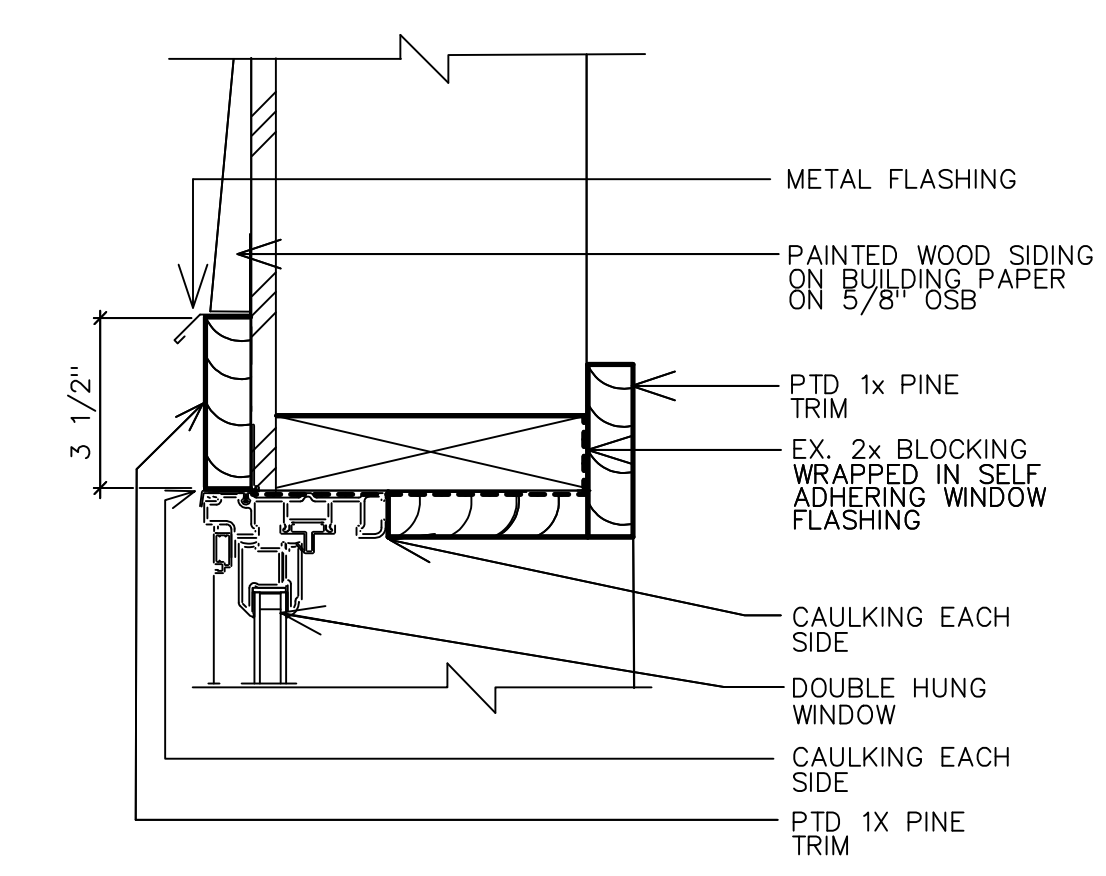
A107



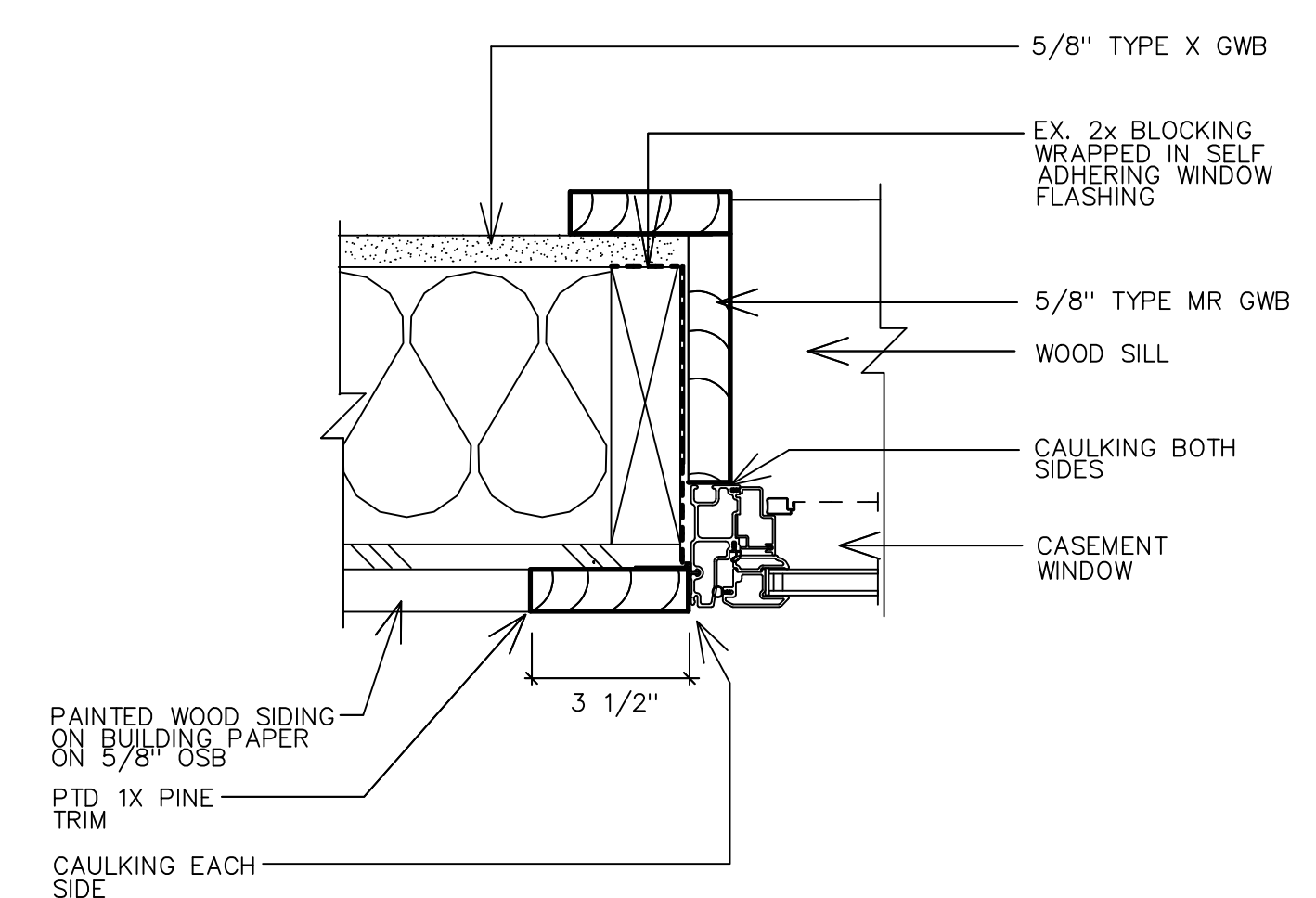
DTL 1 - WINDOW HEAD SCALE: 3"=1'-0"



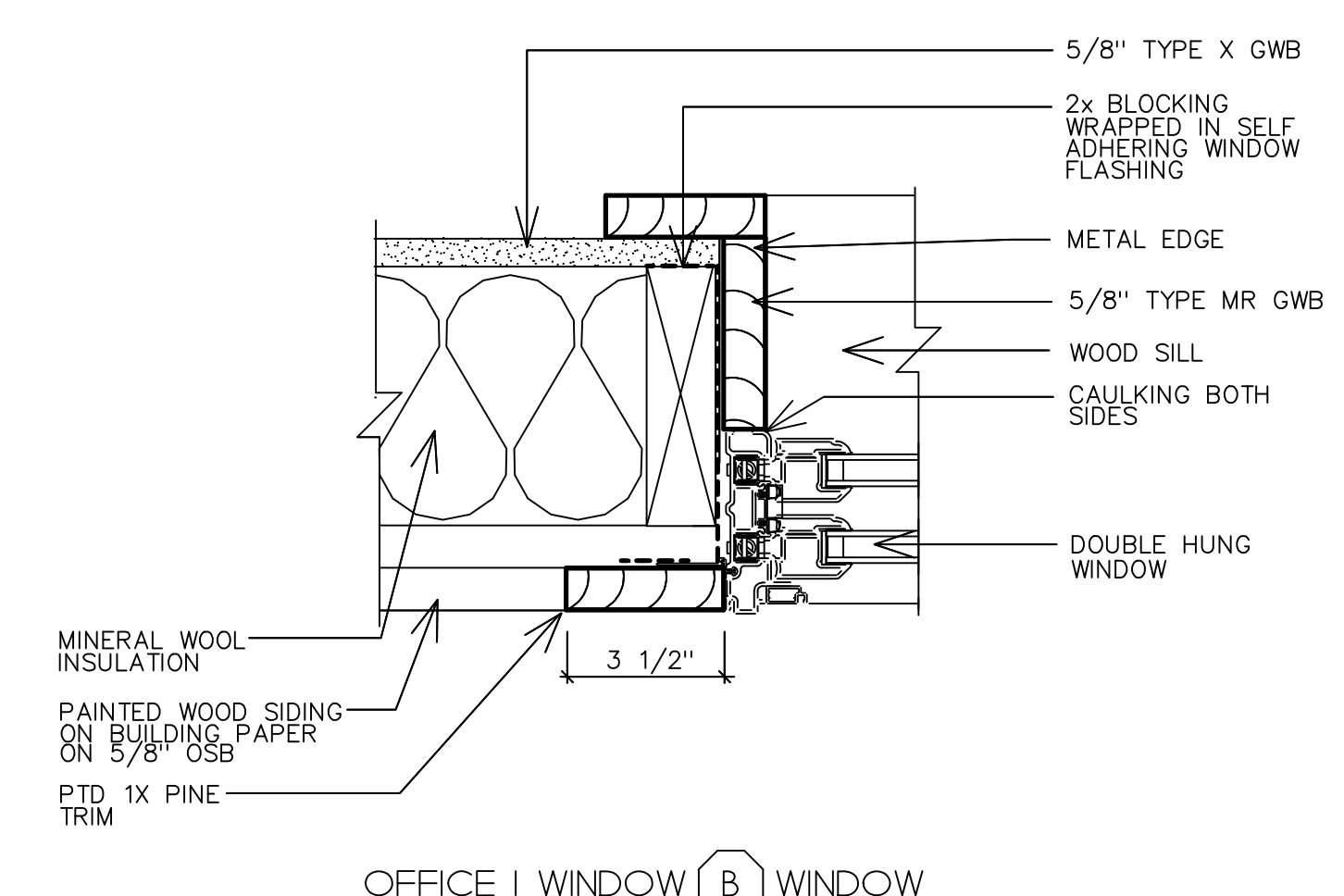
DTL 4 - WINDOW HEAD SCALE: 3"=1'-0"



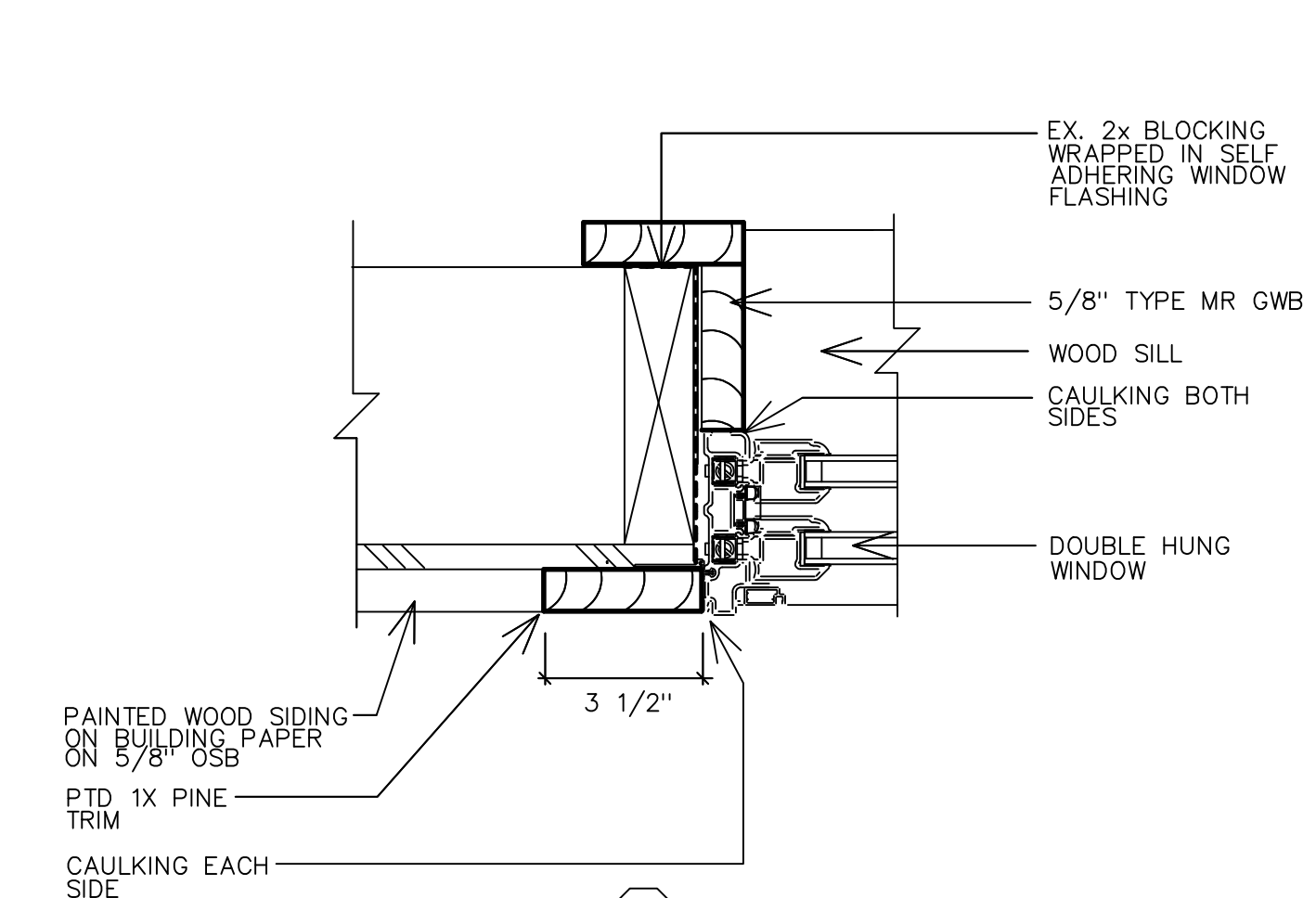
DTL 7 - WINDOW HEAD SCALE: 3"=1'-0"



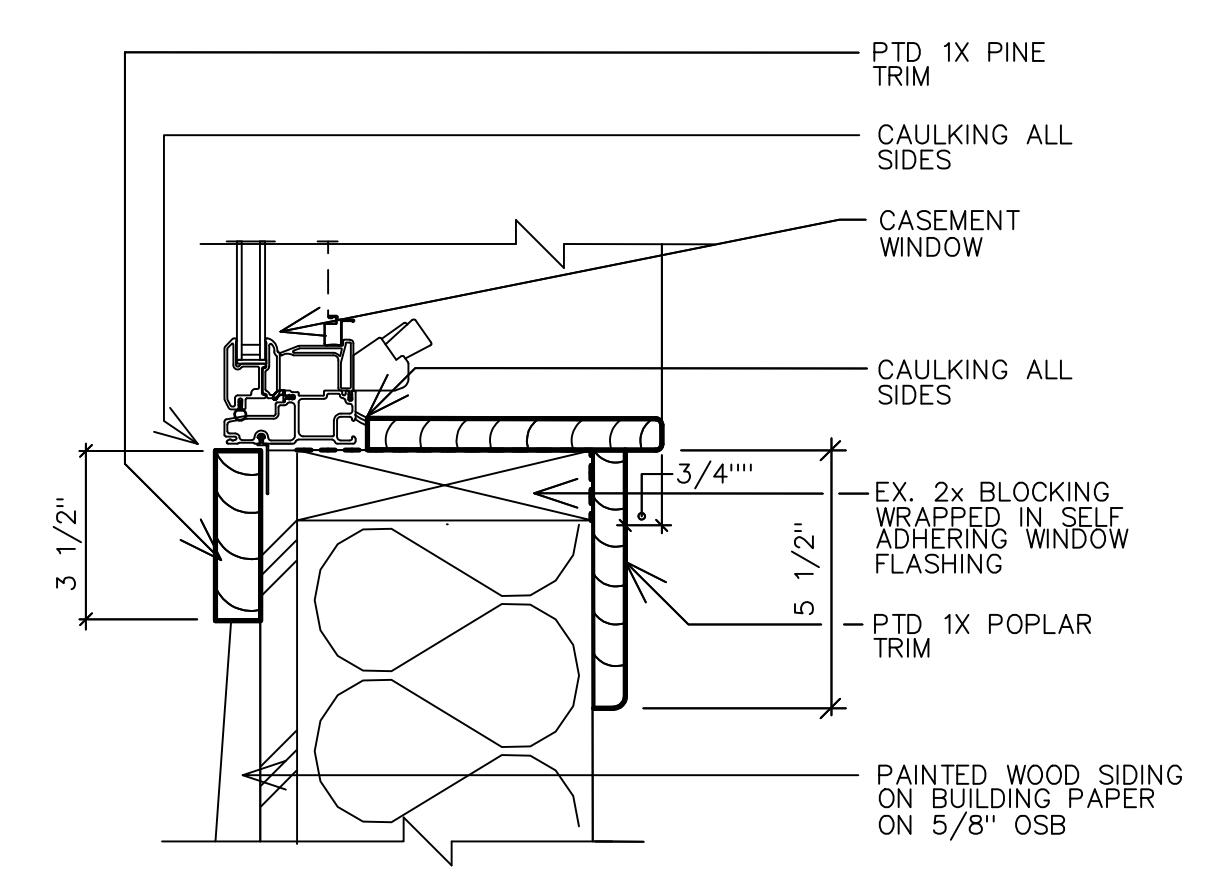
DTL 2 - WINDOW JAMB SCALE: 3"=1'-0"



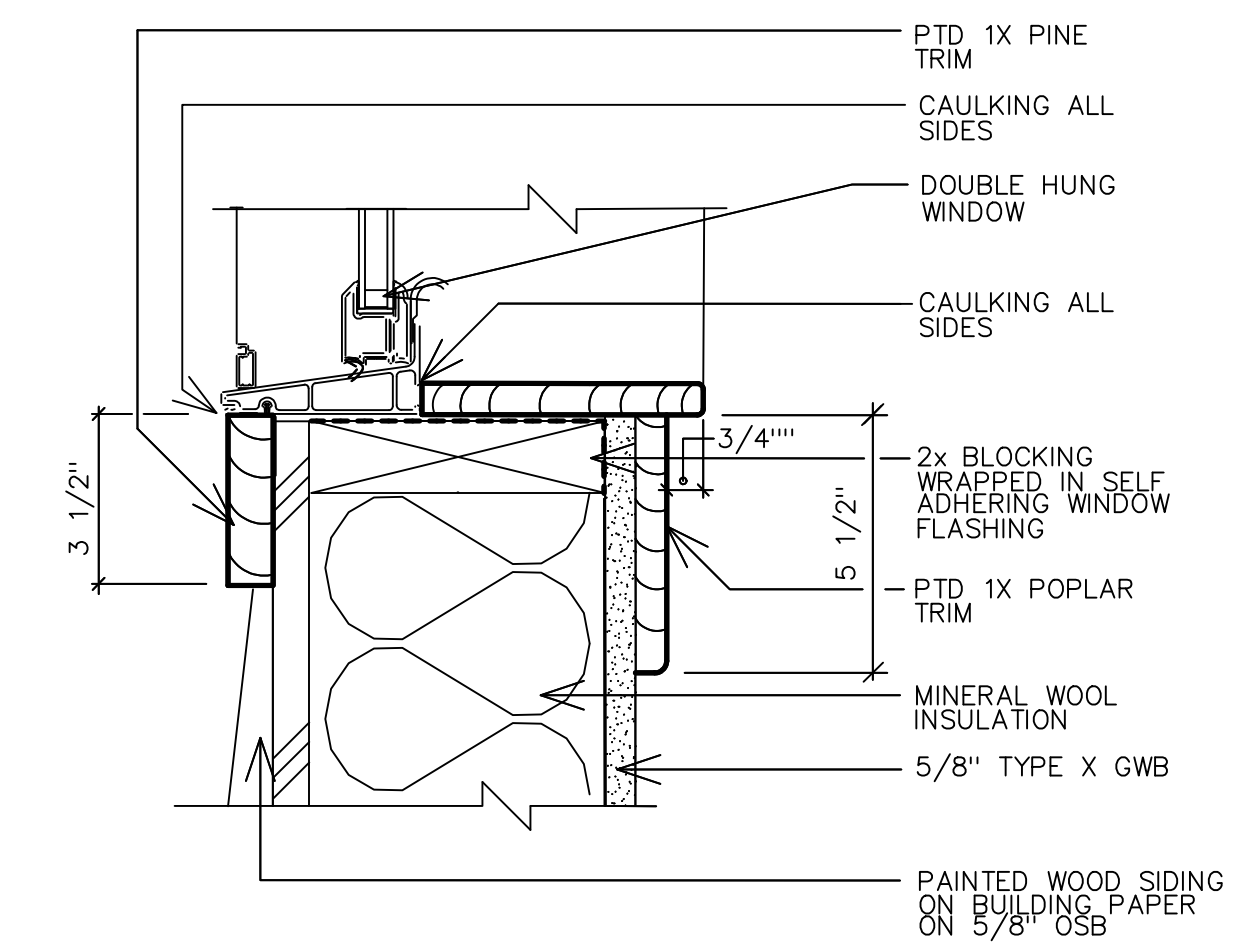
DTL 5 - WINDOW JAMB SCALE: 3"=1'-0"



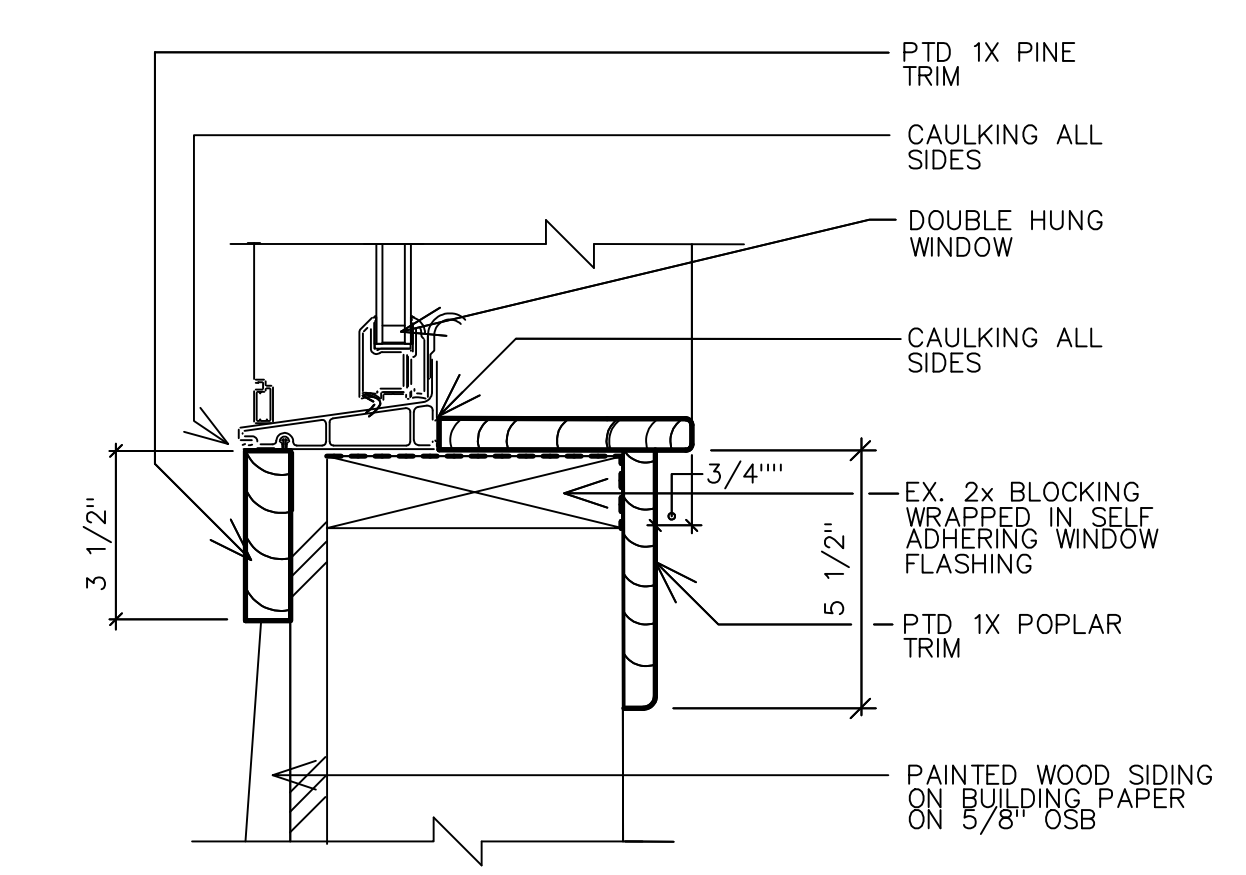
DTL 8 - WINDOW JAMB SCALE: 3"=1'-0"



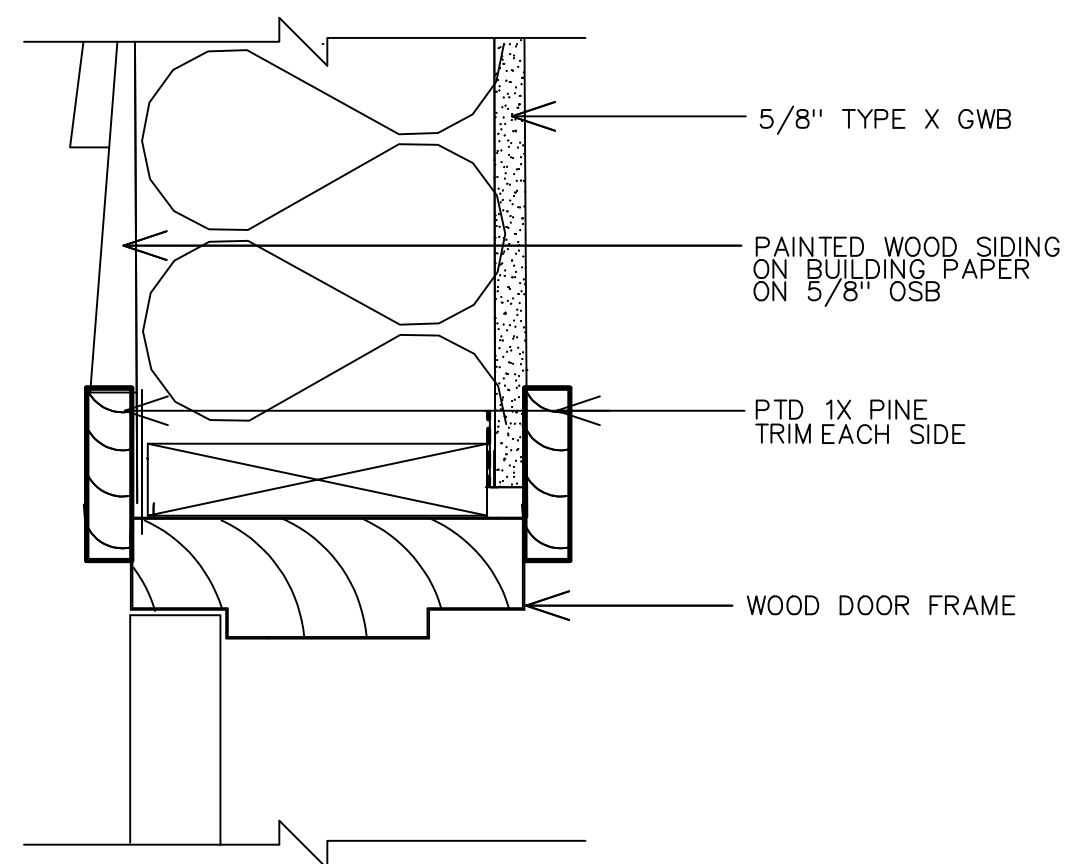
DTL 3 - WINDOW SILL SCALE: 3"=1'-0"



DTL 6 - WINDOW SILL SCALE: 3"=1'-0"

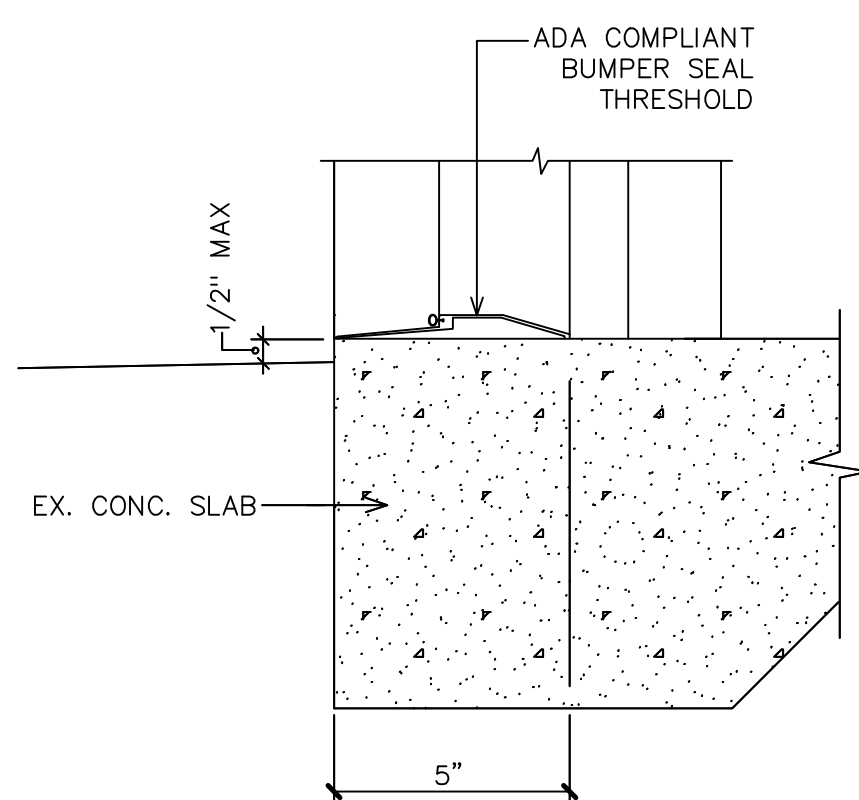


DTL 9 - WINDOW SILL SCALE: 3"=1'-0"



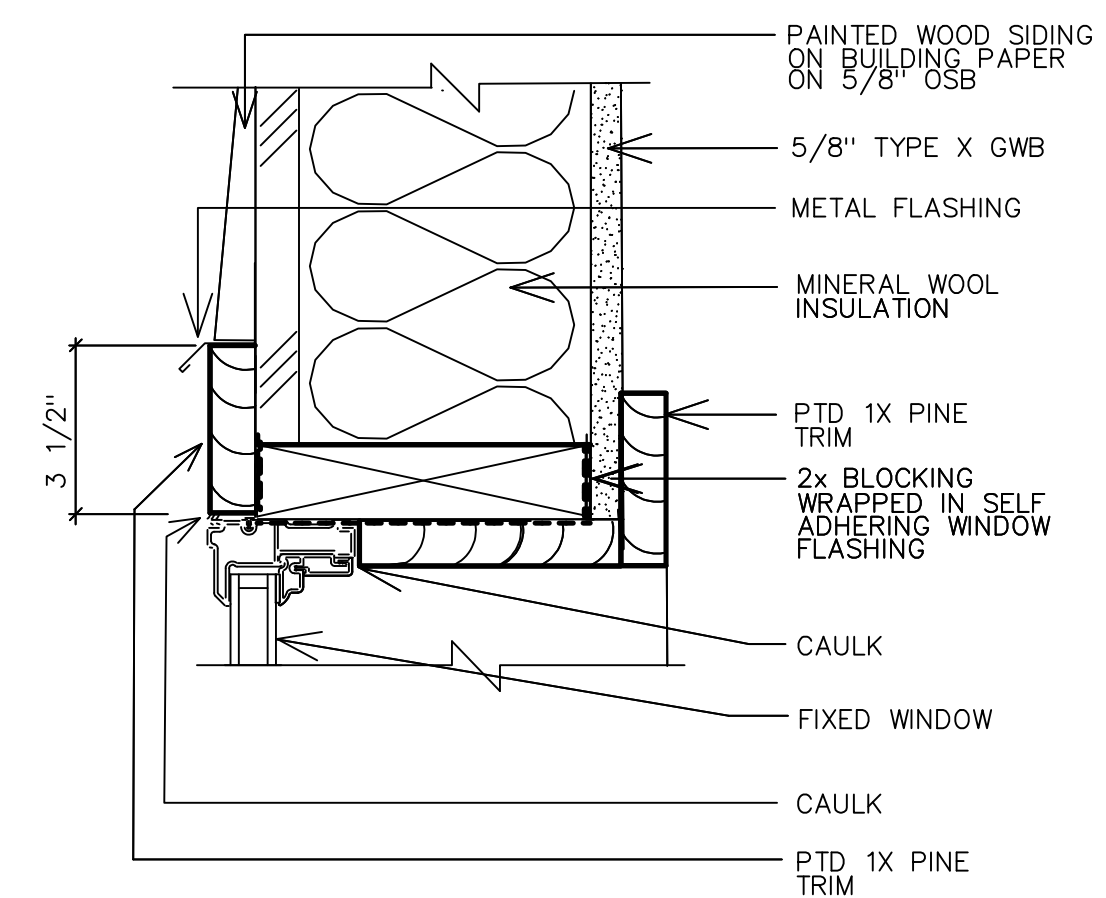
DTL 4- DOOR SILL

SCALE: 3"=1'-0"



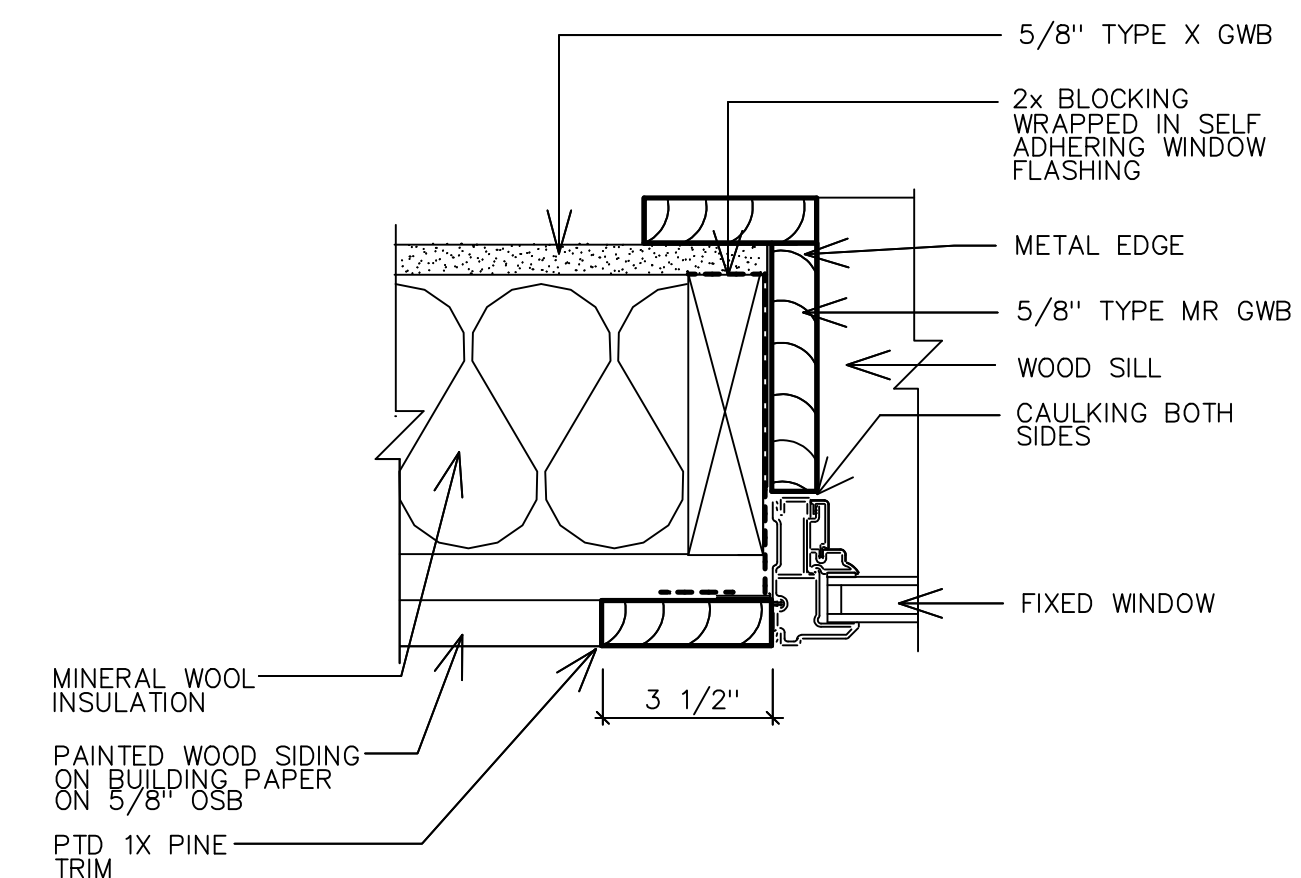
DTL 5- DOOR THRESHOLD

SCALE: 3"=1'-0"



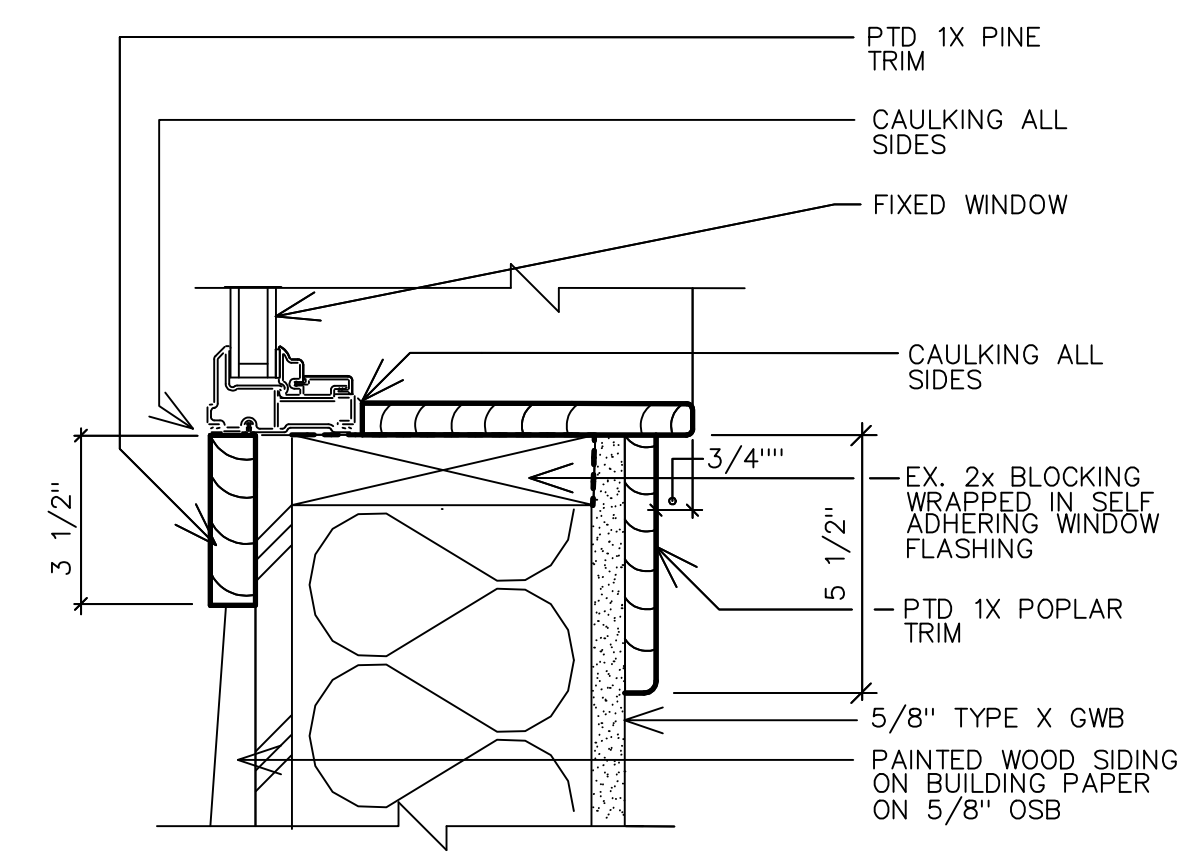
DTL 1 - WINDOW HEAD

SCALE: 3"=1'-0"



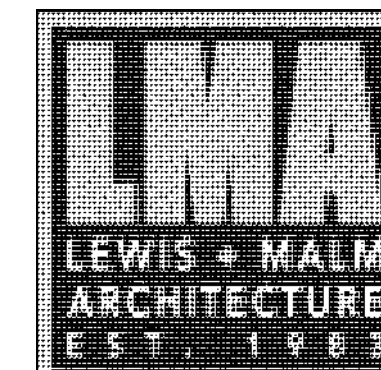
DTL 2 -WINDOW JAMB

SCALE: 3"=1'-0"

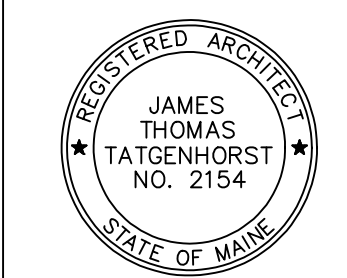


DTL 3 -WINDOW SILL

SCALE: 3"=1'-0"



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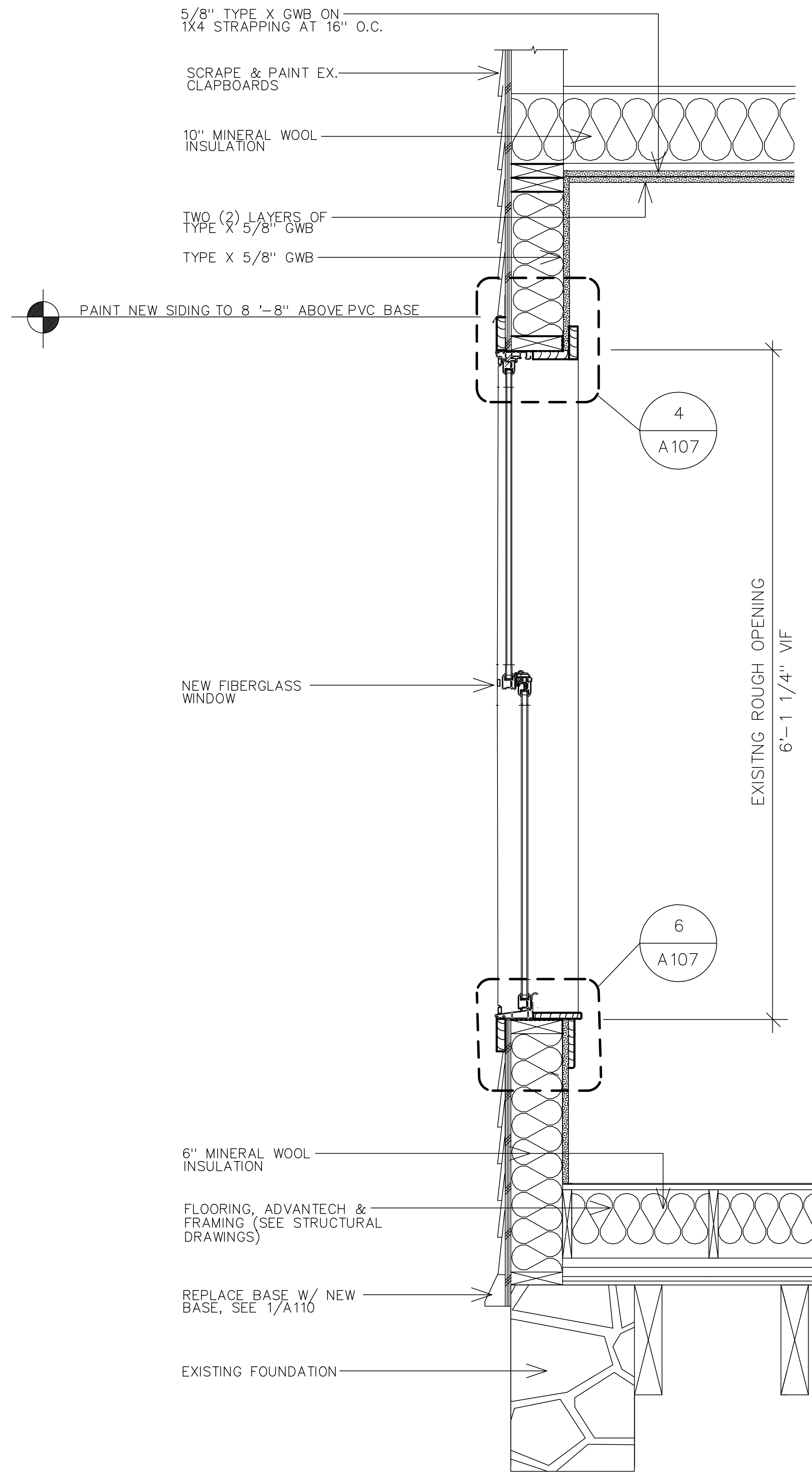
REV	DATE

LAMOINE STATE PARK BARN RENOVATIONS
LAMOINE, MAINE

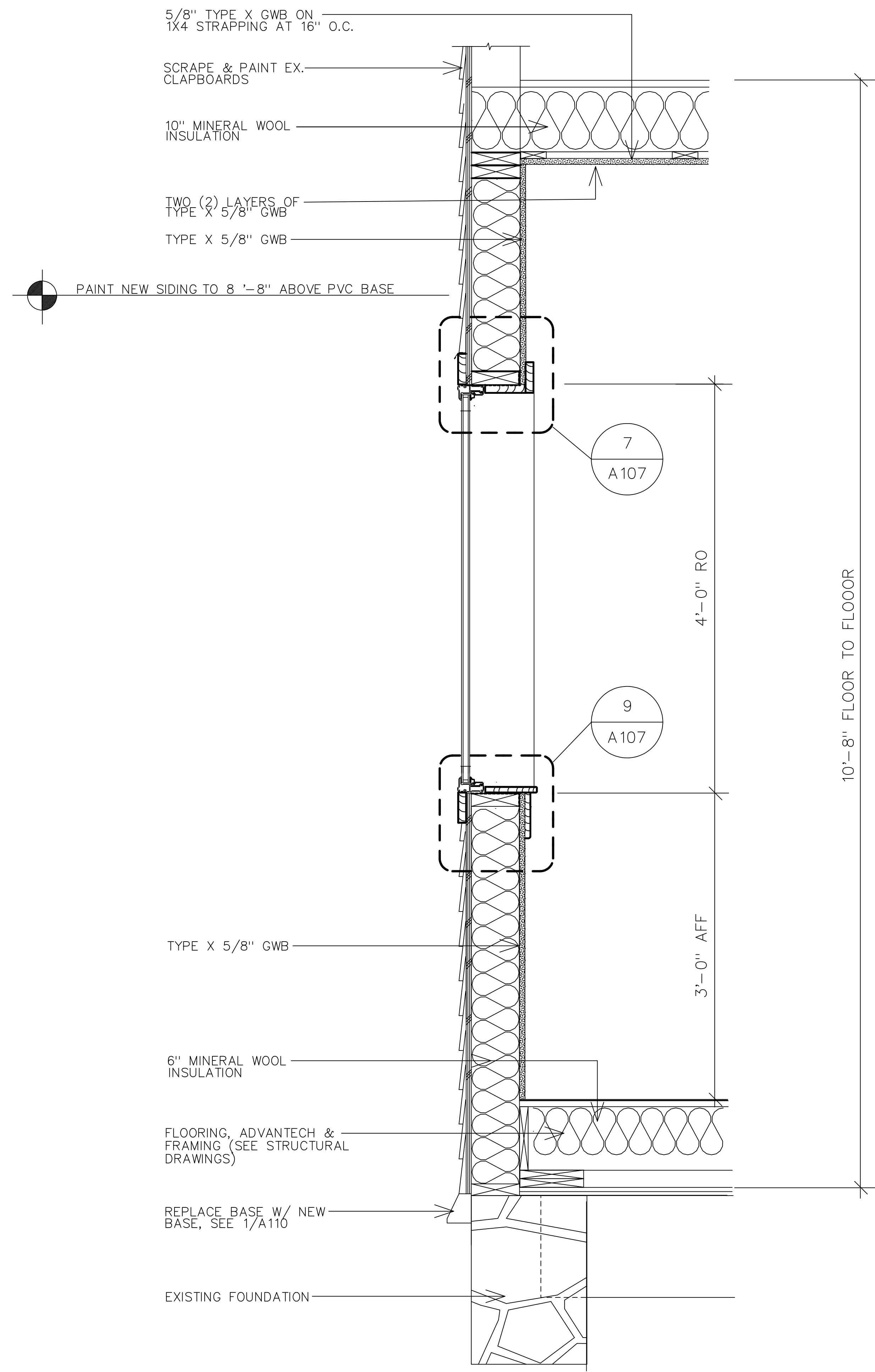
WINDOW & DOOR DETAILS

2308.01

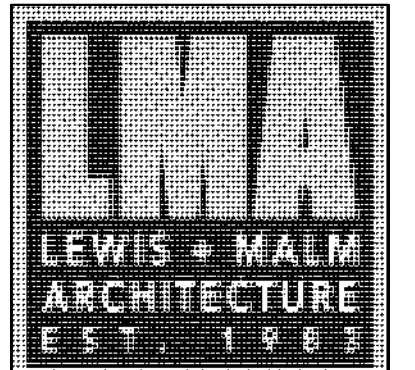
A108



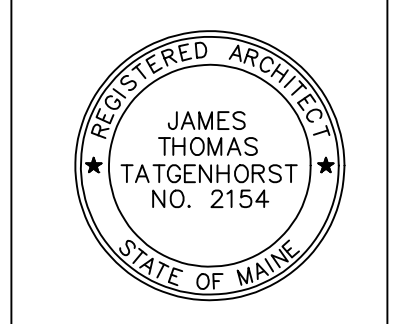
1 WALL SECTION
 A109 SCALE : 1 1/2" = 1'-0"



2 WALL SECTION
 A109 SCALE : 1 1/2" = 1'-0"



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 MAINE 04416
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GC BID SET

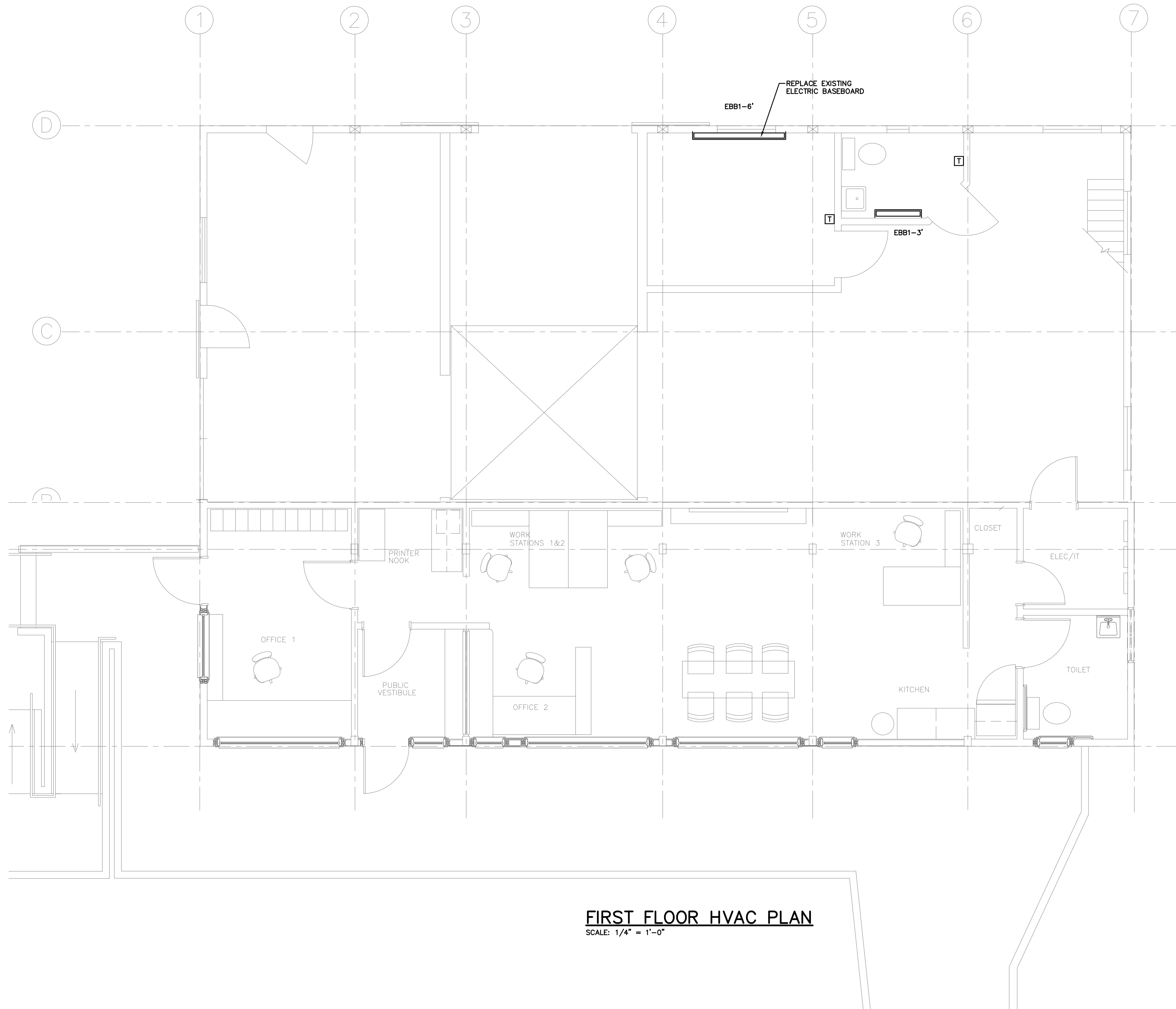
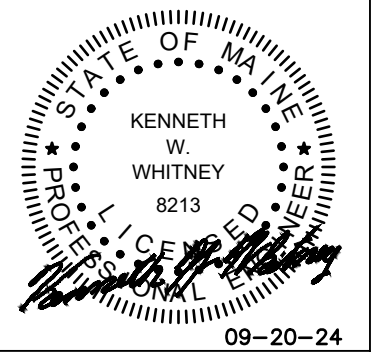
20SEP2024

REV	DATE

LAMOINE STATE PARK BARN RENOVATIONS
 LAMOINE, MAINE
 WALL SECTIONS

2308.01

A109



FIRST FLOOR HVAC PLAN
 SCALE: 1/4" = 1'-0"

ELECTRIC BASEBOARD (EBB1)							
UNIT	MODEL	VOLTS	AMP	WATTS	LENGTH	BTU/HR	NOTES
EBB1-3'	QMKC2543W	240/1	3.1	750	3'-0"	2560	1,2
EBB1-6'	QMKC2546W	240/1	6.3	1500	6'-0"	5120	1,2

- NOTES:**
1. BASED ON QMARK
 2. PROVIDE DSW2W UNIT MOUNTED POWER ON/OFF SWITCH FOR EACH UNIT

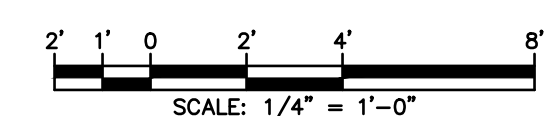
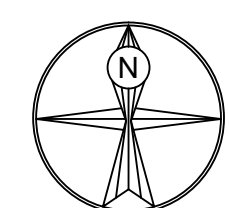
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20SEP2024
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LAMOINE STATE PARK
 LAMOINE MAINE
 BARN RENOVATION
 FIRST FLOOR HVAC PLANS

2308.01

M101



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

KEYED NOTES

- (A) PROVIDE CARD READER AND ELECTRIC STRIKE AT THIS LOCATION UNDER BASE BID.
- (B) PROVIDE CARD READER AND ELECTRIC STRIKE AT THIS LOCATION UNDER ALTERNATE #2.



Hewett & Whitney
ENGINEERS & DESIGNERS
ELECTRICAL & MECHANICAL SYSTEMS
161 MAIN STREET WINTHROP, MAINE
Tel 207•377•6969 Fax 207•377•7584
PLOT DATE: Sep 19, 2024



LMA
LEWIS & MALM
ARCHITECTURE
EST. 1983

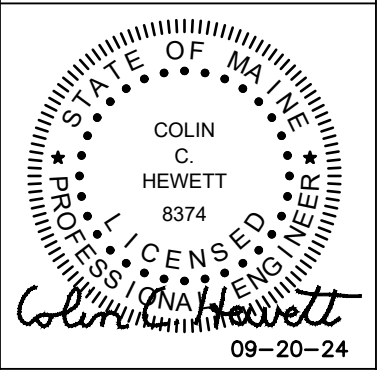
PANELBOARD NOTES

MAINTAIN EXISTING CIRCUIT BREAKERS UNLESS OTHERWISE NOTED. IF OTHER CIRCUITS ARE UNUSED POST-DEMOLITION, INDICATE AS "SPARE" IN CIRCUIT LIST. VERIFY ALL REMAINING CIRCUITS ARE EXTENDED AND RE-SUPPLIED. CIRCUITING MAY BE ADJUSTED IN FIELD TO BEST ADVANTAGE.

- (A) SUPPLY NEW LOAD WITH EXISTING CIRCUIT BREAKER.
- (B) PROVIDE NEW CIRCUIT BREAKER AS INDICATED IN EXISTING PROVISION SPACE.
- (C) REMOVE EXISTING CIRCUIT BREAKER(S) AND PROVIDE NEW AS INDICATED.

GENERAL NOTES

1. THIS PLAN HAS BEEN COMPILED FROM FIELD OBSERVATIONS AND OWNER SUPPLIED DRAWINGS. FIELD VERIFY ALL CONDITIONS AND OBSERVE NECESSARY SAFETY PRECAUTIONS BEFORE DOING ANY WORK.
2. RUN SURFACE WIRING AS INCONSPICUOUS AS POSSIBLE, IN WALL AND CEILING CORNERS WHERE POSSIBLE, AS INDICATED.
3. DEVICES WITH CONTINUOUS LINETYPE _____ INDICATE NEW UNLESS OTHERWISE INDICATED.
4. DEVICES WITH DASHED LINETYPE - - - - - INDICATE EXISTING TO REMAIN UNLESS OTHERWISE INDICATED.
5. DEVICES WITH HIDDEN LINETYPE INDICATE REMOVE UNLESS OTHERWISE INDICATED.
6. IN EVENT ANY UNSAFE WIRING IS ENCOUNTERED, IMMEDIATELY NOTIFY ENGINEER FOR CORRECTIVE ACTION.
7. EXISTING CONDUIT MAY BE RE-USED WHERE POSSIBLE.

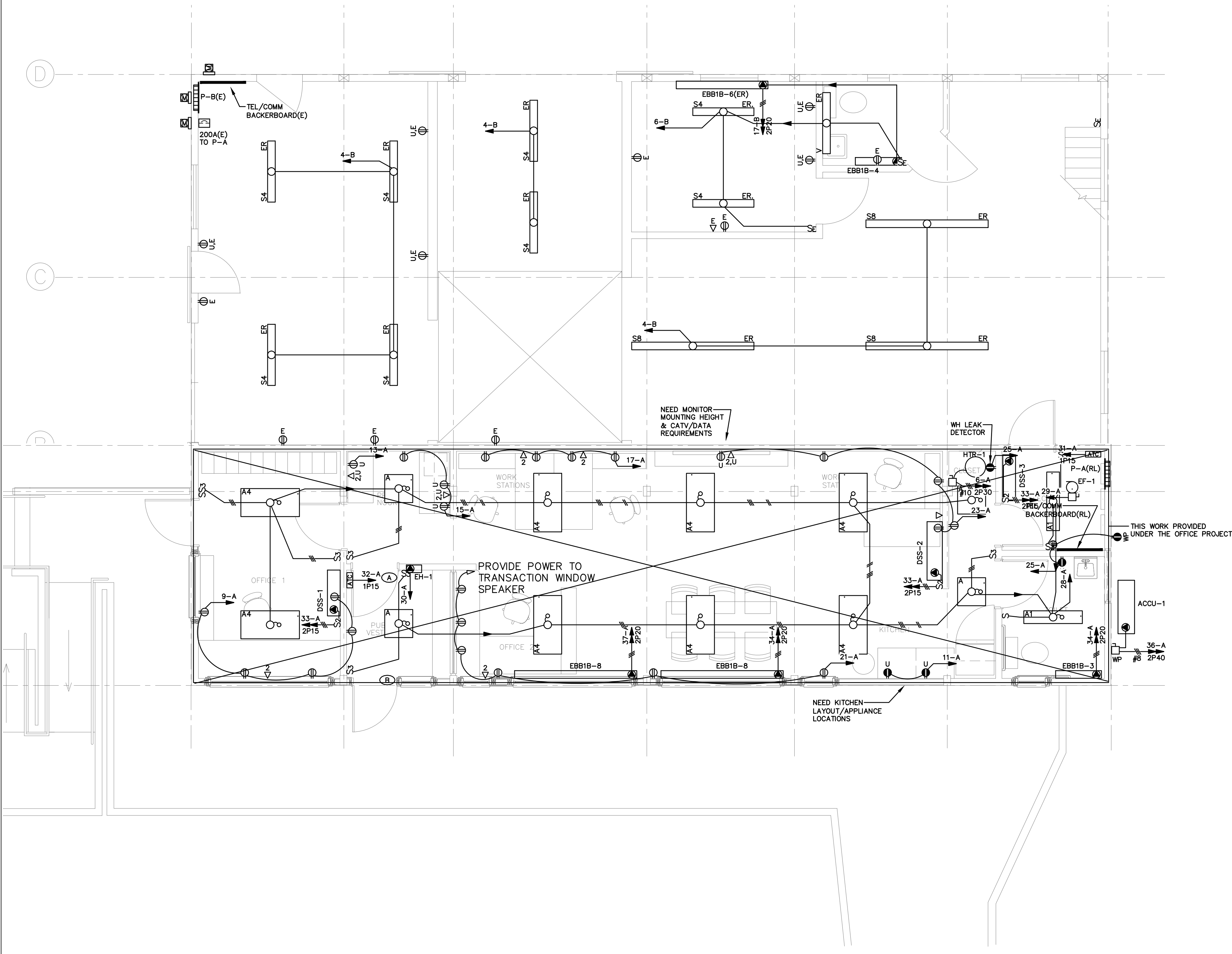


GC BID SET

REV	DATE

20SEP2024

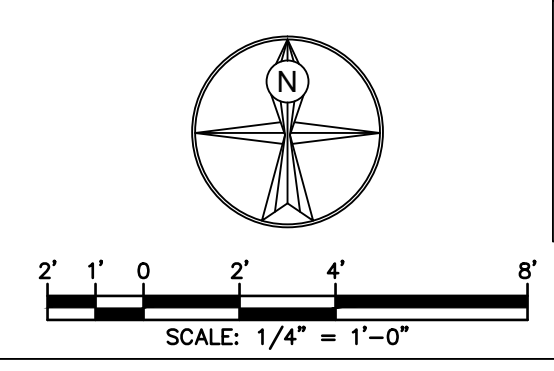
PANEL SCHEDULE														
PANEL ID		TYPE: -		AMPS: -		MAIN: -		MOUNTING: -		VOLTS L-L: 240		PHASE: 1		
P-B		LOCATION: -								VOLTS L-G: 120		WIRE: 3		
BRKR	A	P	DESCRIPTION	CIR VA	TYPE	CIR NO.	LOAD	CIR NO.	TYPE	CIR VA	DESCRIPTION	BRKR	A	
							A	B				P	A	
20	2		WATER PUMP	0	O	1	0		2	O	0	LTG - BASEMENT	1	15
-	-			0	O	3	360		4	L	360	LTG - BARN	1	20
15	1		RECP - SHOP E WALL	0	O	5	1090		6	L	1090	LTG/RECP-OFFC, BATH	1	20
40	2		OFF	0	O	7	0		8	O	0		1	20
-	-			0	O	9	0		10	O	0	HEATER	1	20
20	1			0	O	11	0		12	O	0	RECP-RIGHT FOR CHARGER	1	20
-	1		PROVISION	0	O	13	0		14	O	0	RECP-LEFT FOR CHARGER	1	20
-	1		PROVISION	0	O	15	0		16	O	0	PROVISION	1	-
20	2		EBB1B - LAUNDRY, RR	750	H	17	750		18	O	0	PROVISION	1	-
-	-			750	H	19	750		20	O	0	PROVISION	1	-
				PHASE TOTALS			1840				1110			
				CONNECTED VA : 2950				CONNECTED AMPS : 12						
CIRCUIT TYPE (CODE): LIGHTS (L) RECEPTACLE (R) MOTOR (M) HEAT (H) OTHER (O) SPARE (S) DISTRIB (D)														



LAMOINE STATE PARK
 LAMOINE, MAINE
 BARN RENOVATION
 FIRST FLOOR ELECTRICAL PLAN

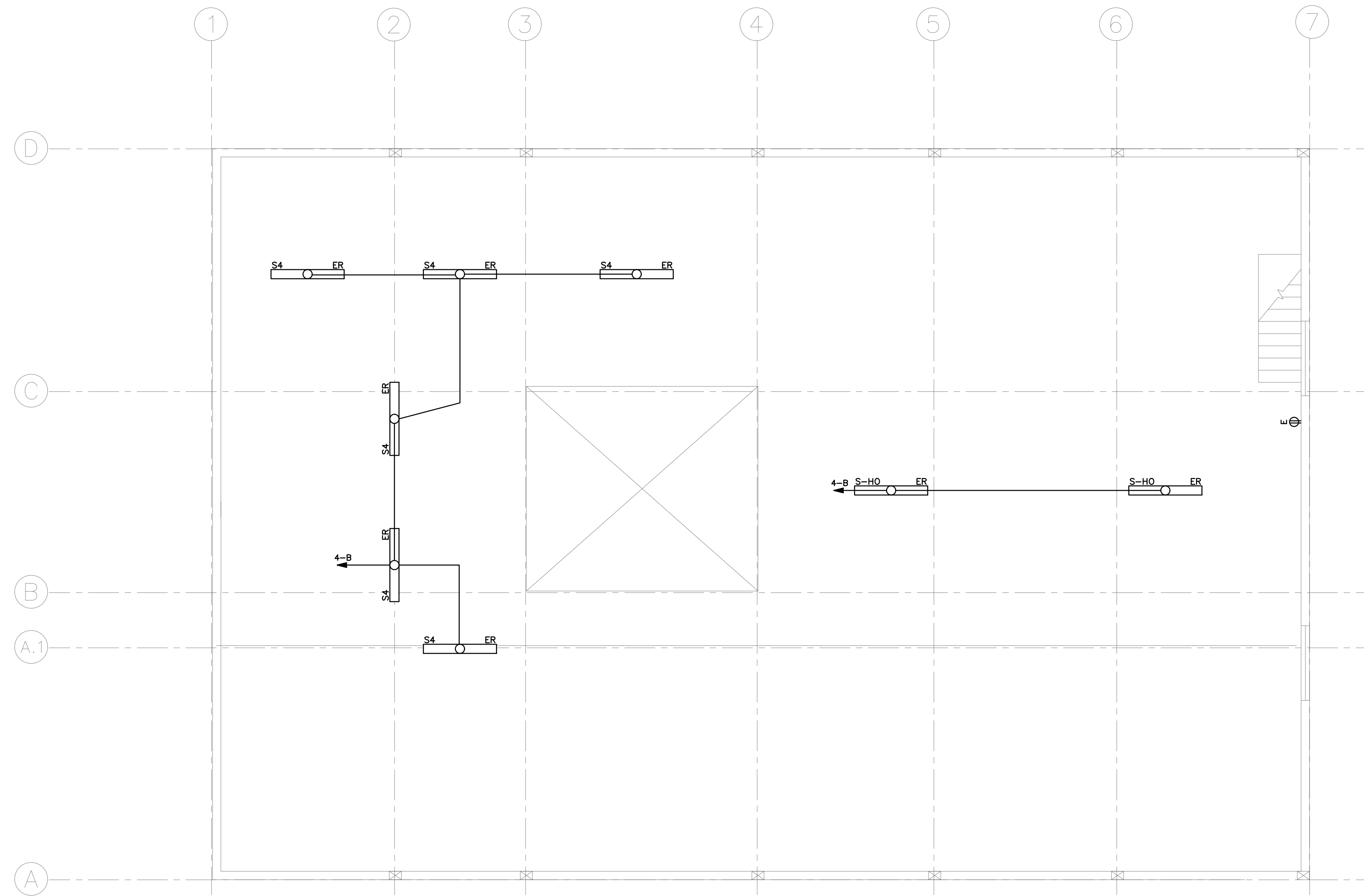
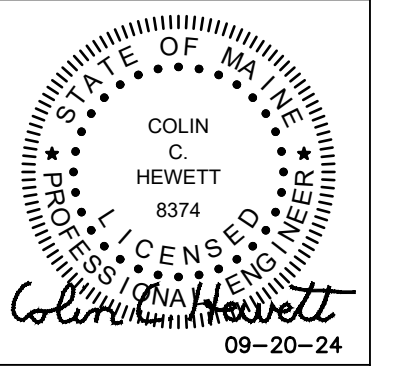
2308.01

E101



GENERAL NOTES

1. THIS PLAN HAS BEEN COMPILED FROM FIELD OBSERVATIONS AND OWNER SUPPLIED DRAWINGS. FIELD VERIFY ALL CONDITIONS AND OBSERVE NECESSARY SAFETY PRECAUTIONS BEFORE DOING ANY WORK.
2. RUN SURFACE WIRING AS INCONSPICUOUS AS POSSIBLE, IN WALL AND CEILING CORNERS WHERE POSSIBLE, AS INDICATED.
3. DEVICES WITH CONTINUOUS LINETYPE ——— INDICATE NEW UNLESS OTHERWISE INDICATED.
4. DEVICES WITH DASHED LINETYPE - - - - - INDICATE EXISTING TO REMAIN UNLESS OTHERWISE INDICATED.
5. DEVICES WITH HIDDEN LINETYPE INDICATE REMOVE UNLESS OTHERWISE INDICATED.
6. IN EVENT ANY UNSAFE WIRING IS ENCOUNTERED, IMMEDIATELY NOTIFY ENGINEER FOR CORRECTIVE ACTION.
7. EXISTING CONDUIT MAY BE RE-USED WHERE POSSIBLE.



GC BID SET

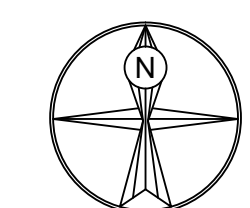
20SEP2024

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LAMOINE STATE PARK
 LAMOINE, MAINE
**BARN RENOVATION
 SECOND FLOOR LIGHTING PLAN**

2308.01

E102



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

DRAWING SCHEDULE

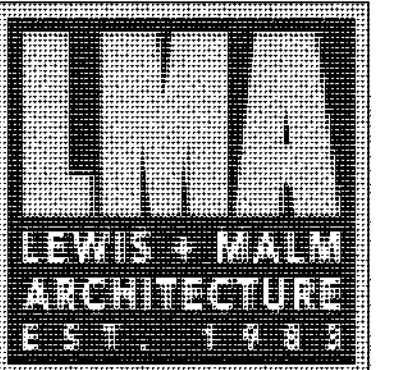
DWG#	TITLE
A0	COVER & DRAWINGS SCHEDULE
A200	OFFICE FLOOR PLAN & ELEVATIONS
A201	DOOR SCHEDULE, DOOR & WALL TYPES
A202	INTERIOR ELEVATIONS
A203	ADA TYPICAL DIMENSIONS
A204	DECK & RAMP FRAMING
A205	FINISH SCHEDULE & FINISH FLOOR PLAN
A206	DECK DETAILS
M201	FIRST FLOOR HVAC REMOVALS PLANS
M202	FIRST FLOOR HVAC PLAN
M203	SECOND FLOOR HVAC PLAN
M204	HVAC SCHEDULES & DETAILS
E200	FIRST FLOOR ELECTRICAL REMOVALS PLAN
E201	FIRST FLOOR LIGHTING PLAN
E202	FIRST FLOOR POWER & SYSTEMS PLAN
E203	SECOND FLOOR POWER & SYSTEMS PLAN
P201	BASEMENT & FIRST FLOOR REMOVALS PLAN
P202	FIRST FLOOR & BASEMENT PLUMBING PLANS

LAMOINE STATE PARK OFFICE RENOVATION

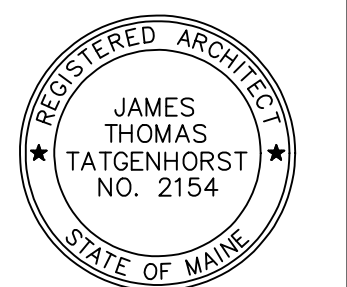
GENERAL CONTRACTOR BID SET

20.SEPTEMBER.2024

ABBREVIATIONS			
BOD	BASIS OF DESIGN	PTD	PAINTED
UNO	UNLESS OTHERWISE NOTED	EPS	EXTRUDED POLYSTYRENE
CMU	CONCRETE MASONRY UNIT	LED	LIGHT-EMITTING DIODE
CH	CEILING HEIGHT	REQ	REQUIRED
WC	WATER CLOSET (TOILET)	ABI	ALTERNATE BID ITEM
TYP	TYPICAL	DIAM	DIAMETER
CS/CI	CONTRACTOR SUPPLIED / CONTRACTOR INSTALLED	NTS	NOT TO SCALE
VS/OI	VENDOR SUPPLIED / OWNER INSTALLED	PVC	POLYVINYL CHLORIDE WELDED SEAM FLOORING
OS/OI	OWNER SUPPLIED / OWNER INSTALLED	MIN	MINIMUM
FRP	FIBER REINFORCED PANEL	DWG	DRAWING
W	WOMEN'S	SIP	STRUCTURAL INSULATED PANEL
M	MEN'S	REQ	REQUIRED
GN	GENDER NEUTRAL	MECH	MECHANICAL
J	JANITOR	EX	EXISTING
AFF	ABOVE FINISH FLOOR	EXT	EXTERIOR
CL	CENTER LINE	NIC	NOT IN CONTRACT



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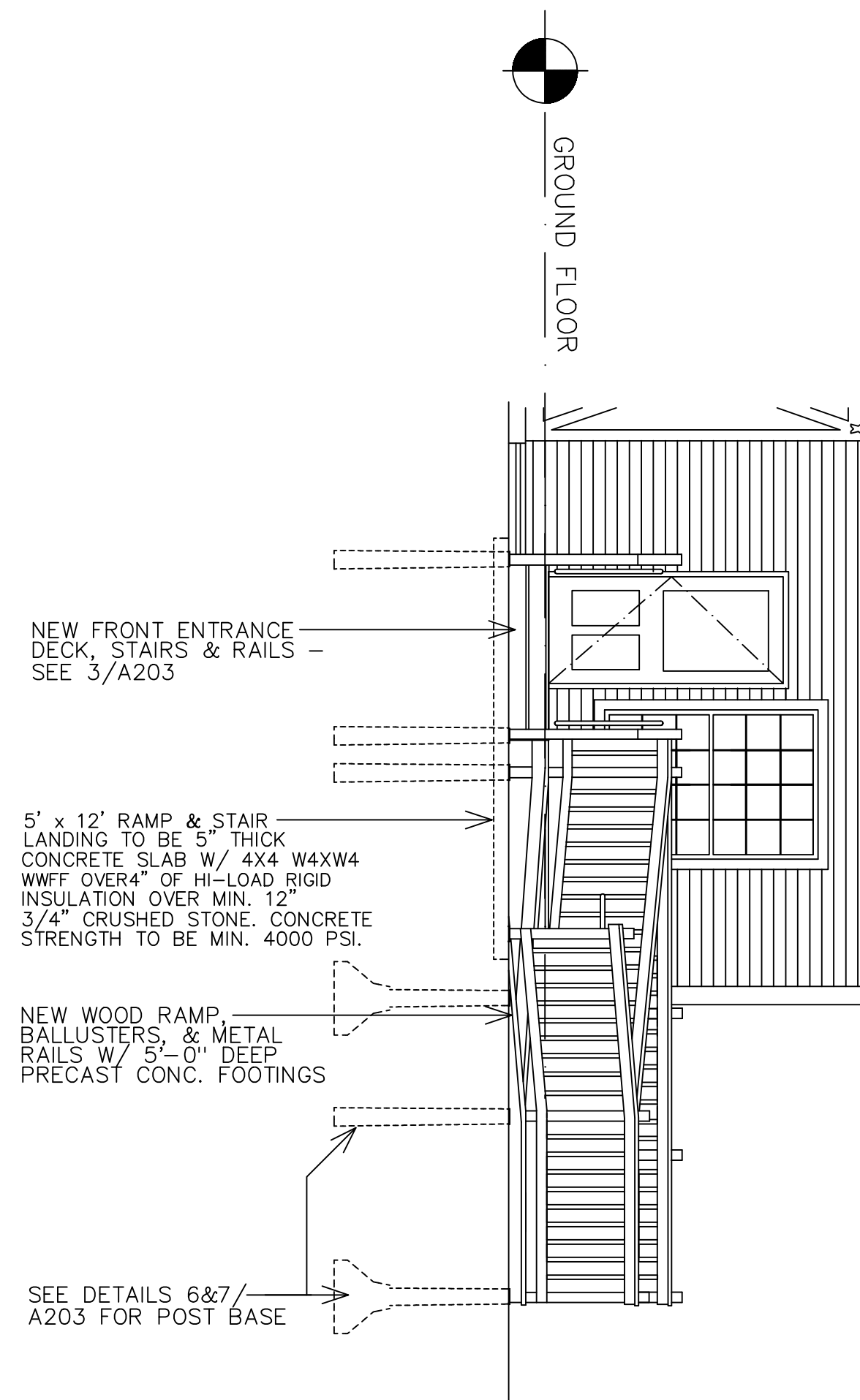
REV	DATE

LAMOINE STATE PARK OFFICE RENOVATION
LAMOINE, MAINE

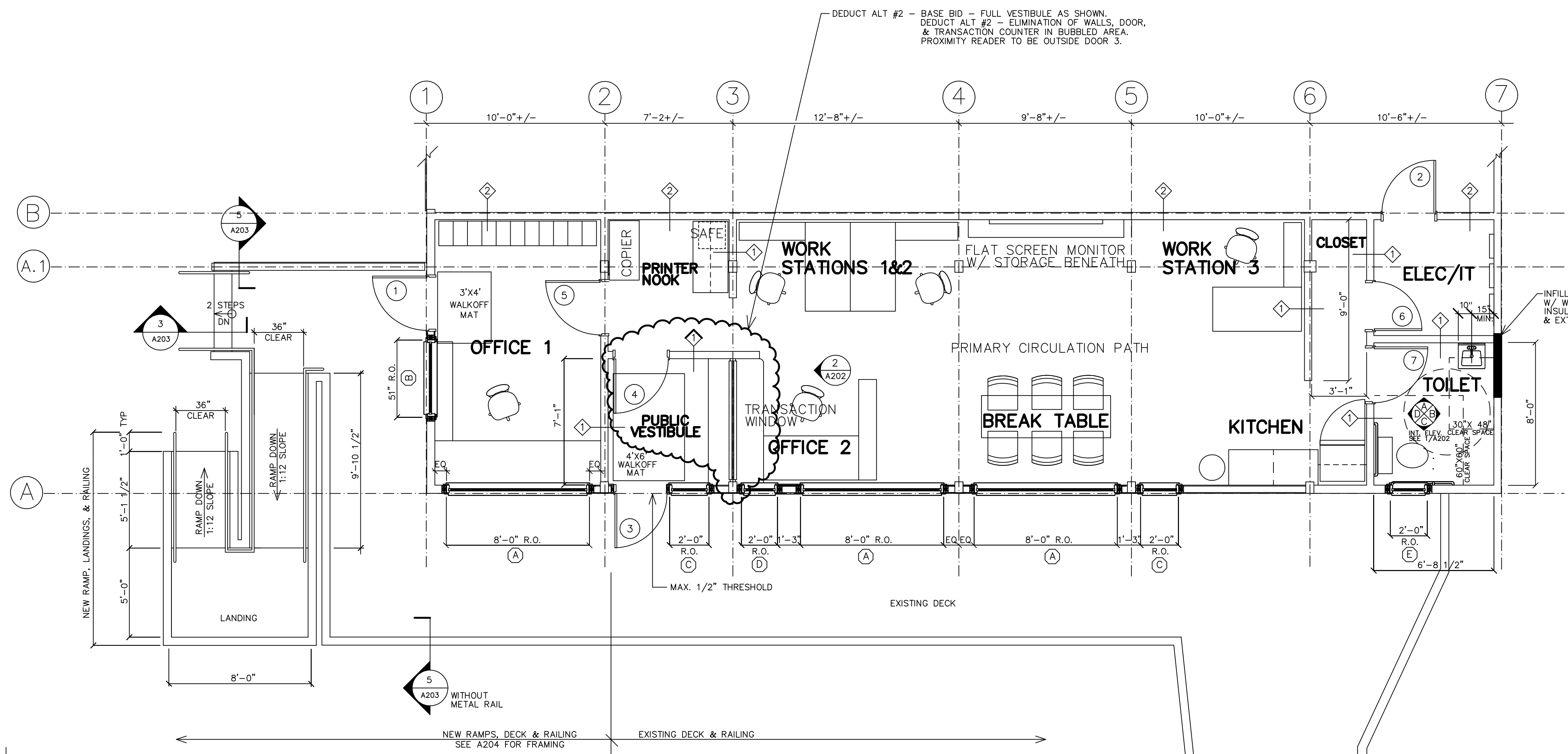
COVER & DRAWING SCHEDULE

2308.01

A0



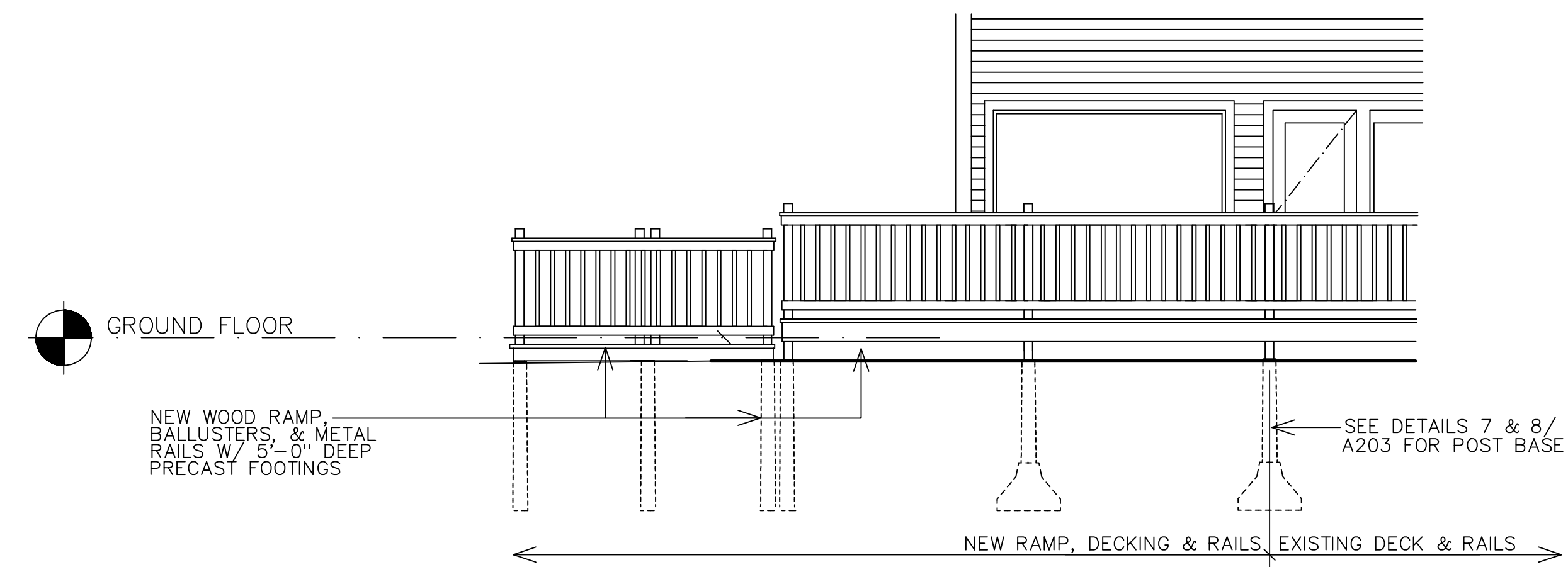
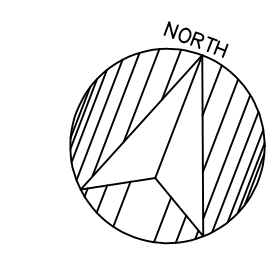
3 WEST ELEVATION
A200
SCALE: 1/4" = 1'-0"



1 FLOOR PLAN
A200
SCALE: 1/4" = 1'-0"

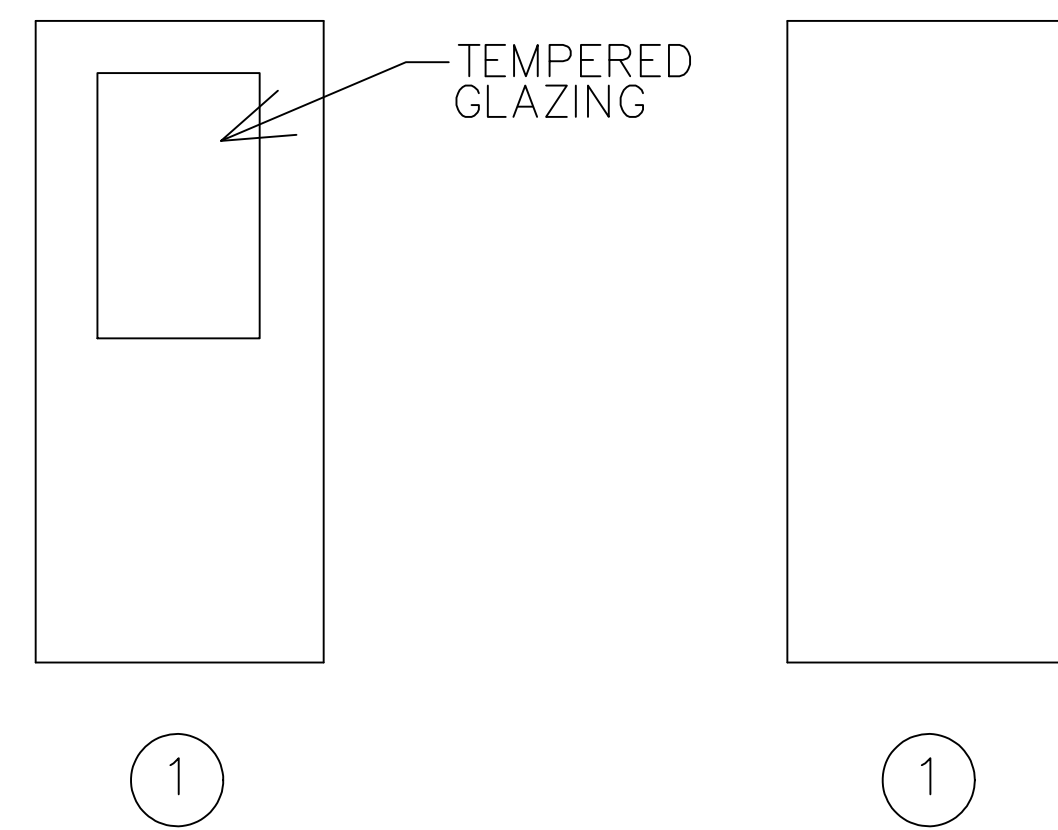
- NOTE: 1. ALL CEILINGS TO BE 5/8" TYPE X GWB ON 1X4 STRAPPING @ 16" OC. CEILING TO BE PRIMED & PAINTED.
2. DOORS 1, 2 & 3 ARE IN THE BARN RENOVATION PROJECT.
3. SEE A205 FOR FINISH SCHEDULE & FINISH PLAN.

◇ WALLTYPES - SEE 3/A203

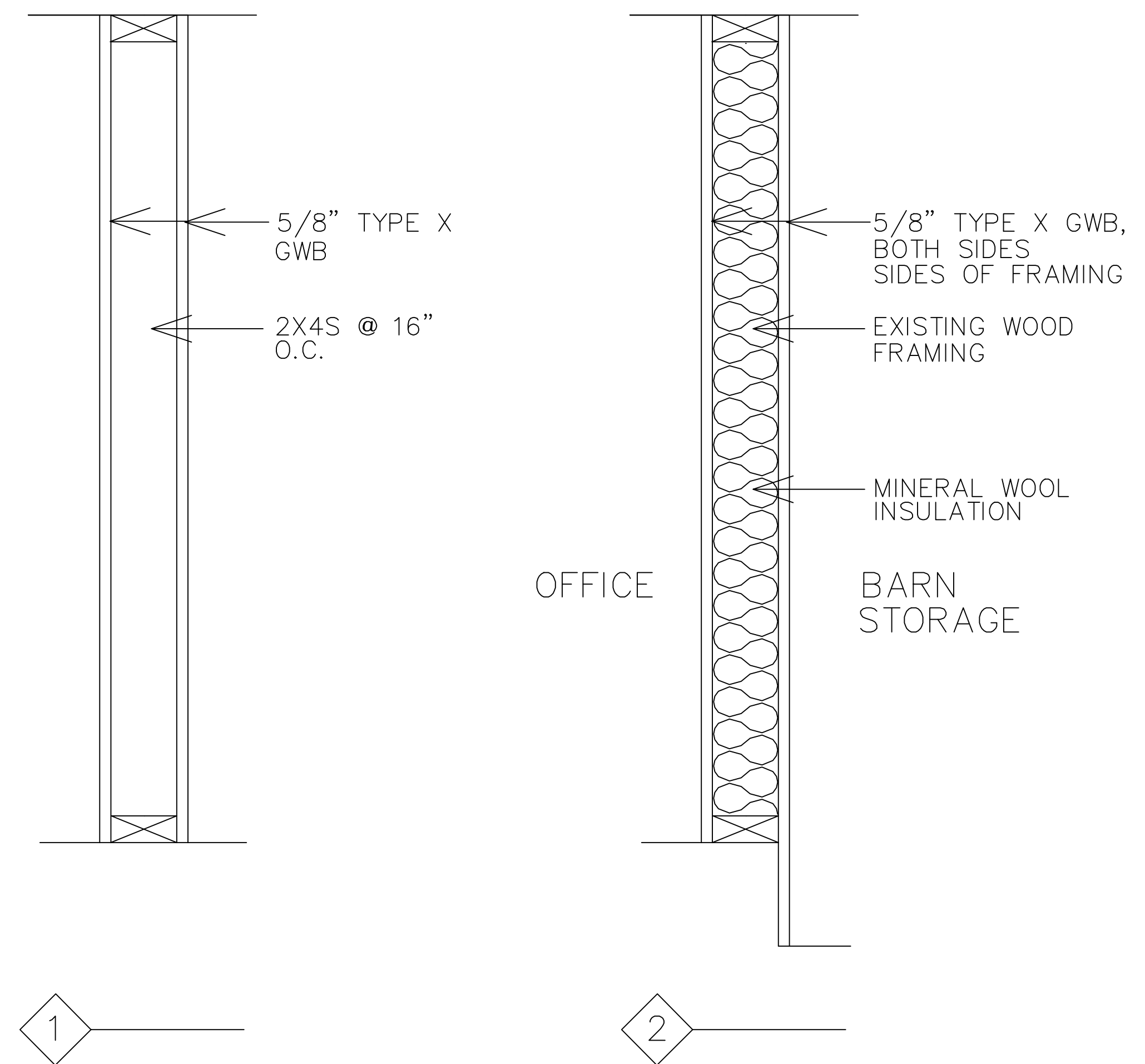


2 SOUTH ELEVATION
A200
SCALE: 1/4" = 1'-0"

GROUND FLOOR



1 DOOR TYPES
A201 SCALE: 1/4" = 1'-0"



2 WALL TYPES
A201 SCALE: 1/4" = 1'-0"

DOOR SCHEDULE

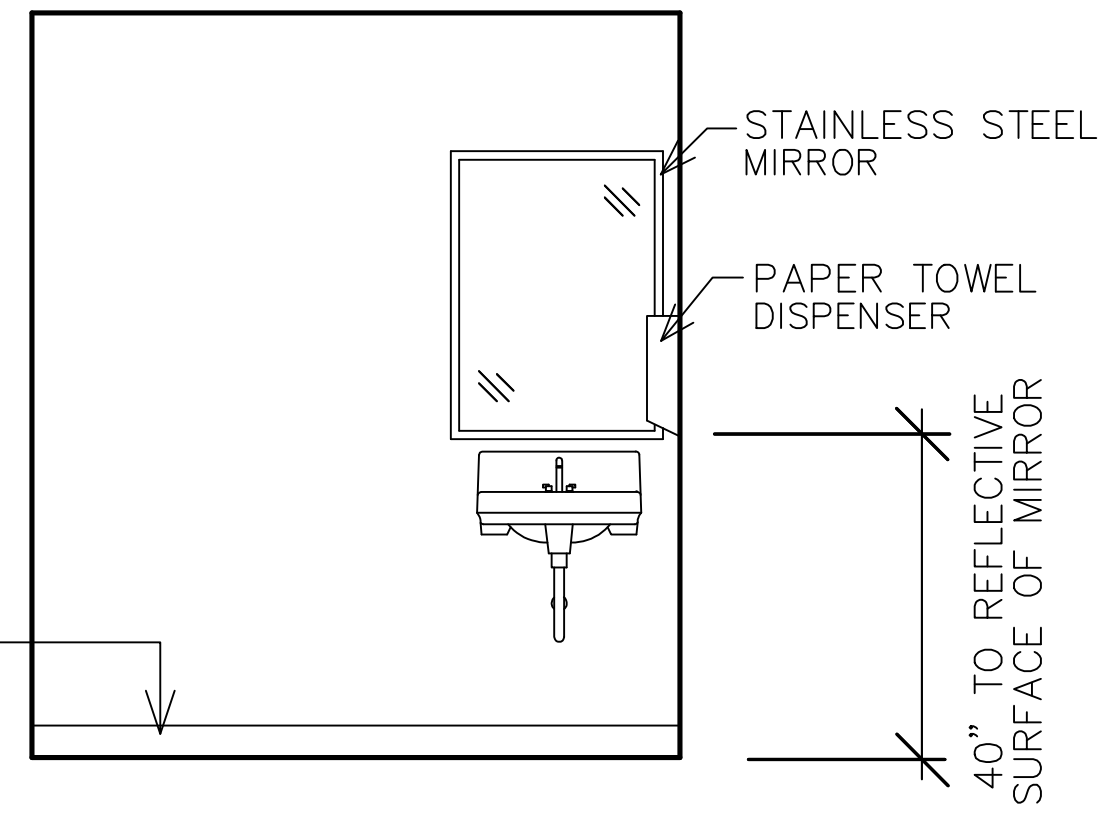
NO.	LOCATION FROM	TO	SING	PAIR	TYPE	WIDTH	HEIGHT	THICK	FINISH	UL LABEL	CLOSER	DOOR STOP	REMARKS	NO.
4	VEST	PRINT	X		1	3'-0"	6'-8"	1 1/4"	PAINT	—	YES	YES	PROXIMITY READER, SWITCH TO DOOR 3 IF DEDUCT ALT. #2 IS IMPLEMENTED	4
5	OFF 1	PRINT	X		2	3'-0"	6'-8"	1 1/4"	PAINT	—	—	—		5
6	KITCHEN	ELEC	X		2	2'-8"	6'-8"	1 1/4"	PAINT	60	YES	YES	TRANSITION STRIP BETWEEN VCT & CARPET IF ADD ALT #3 IS USED, SEE 3/A206	6
7	KITCHEN	TOILET	X		2	3'-0"	6'-8"	1 1/4"	PAINT	—	YES	YES	TRANSITION STRIP BETWEEN VCT & ALTRO OR BETWEEN CARPET & ALTRO, SEE 3/A206	7

DOOR HARDWARE

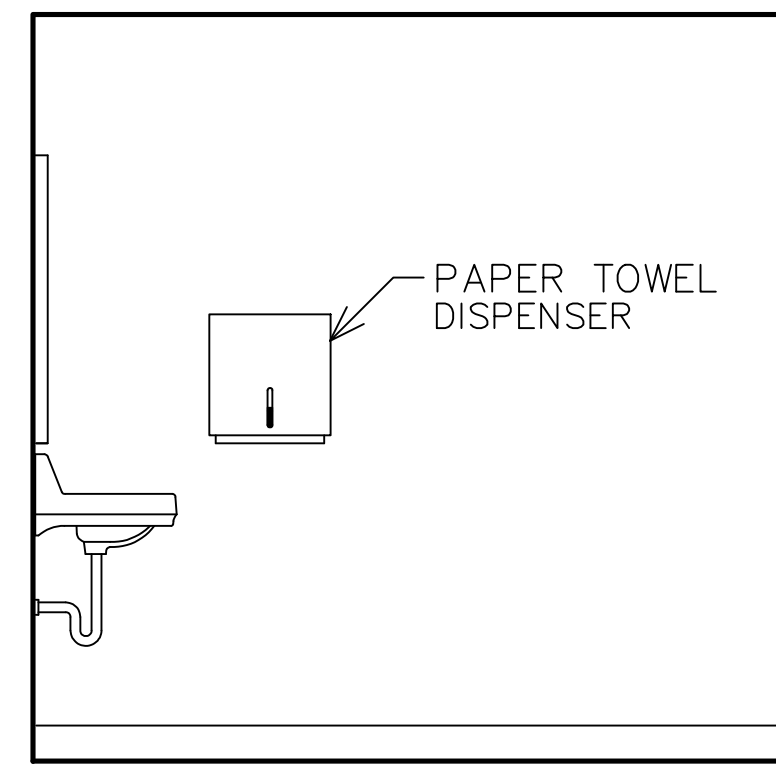
- DOOR 4 — CYLINDRICAL LOCK — SARGENT 10XG24, WITH PROXIMITY READER — SARGENT IN100 10X LINE
- DOOR 5 & 6 — CYLINDRICAL BORED LOCK SARGENT 10XG24
- DOOR 7 — SARGENT 468 THUMBTURN X INDICATOR; SARGENT 10XU66 PRIVACY BATH FUNCTION
- FINISHES — SATIN NICKEL
- HINGES — MCKINNEY TA2714, 4 1/2"X 4 1/2"
- LEVERS — SARGENT STANDARD L LEVERS
- CLOSERS — SARGENT 281 SERIES POWERGLIDE W/ UO PACKAGE STANDARD ARM, 281-P9 PARALLEL APPLICATION
- DOOR STOP — ROCKWOOD — 409 — CONCAVE WROUGHT WALL STOP

NOTE: SEE A203 FOR DIMENSIONS OF ALL BATHROOM FIXTURES.

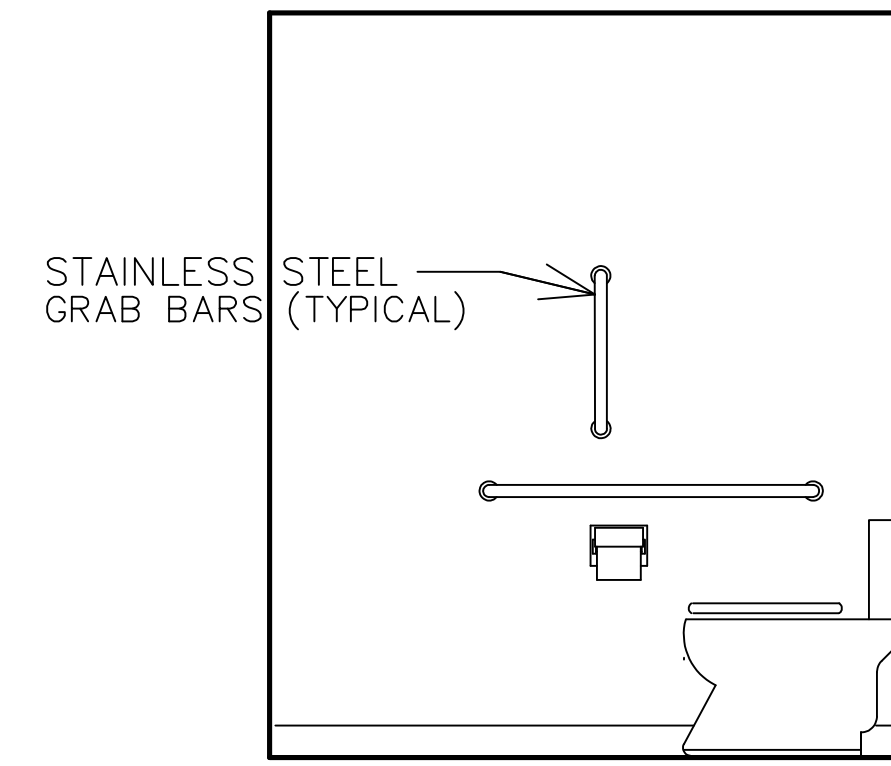
INTEGRAL COVE BASE, SEE 4/A202



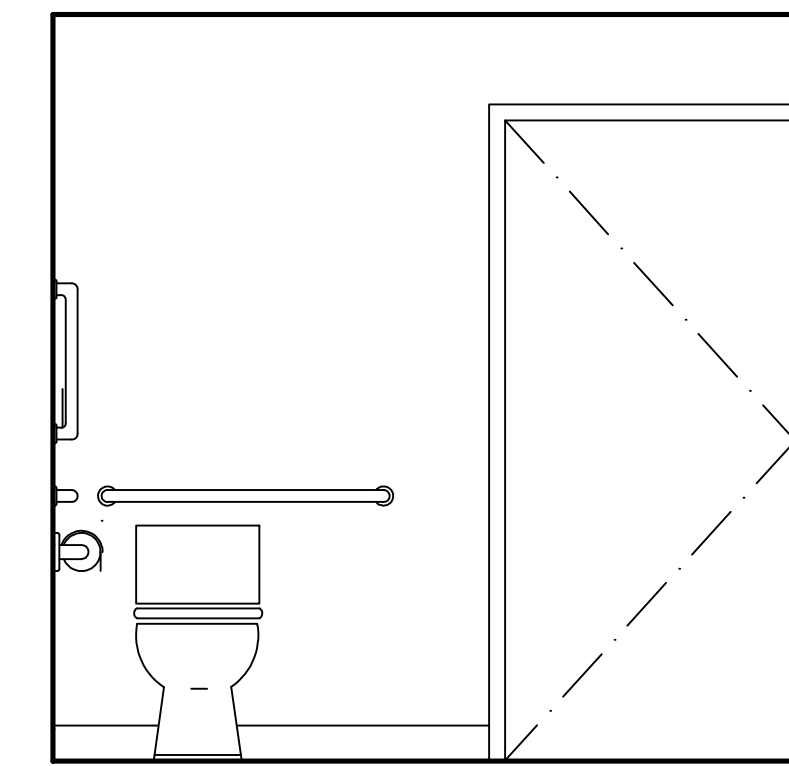
A NORTH



B EAST

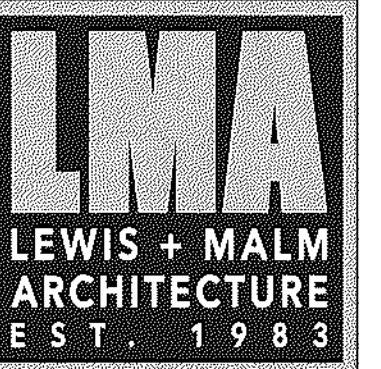


C SOUTH

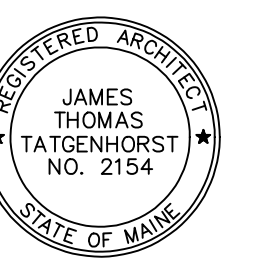


D WEST

1 BATHROOM ELEVATIONS
A202 SCALE: 1/4" = 1'-0"



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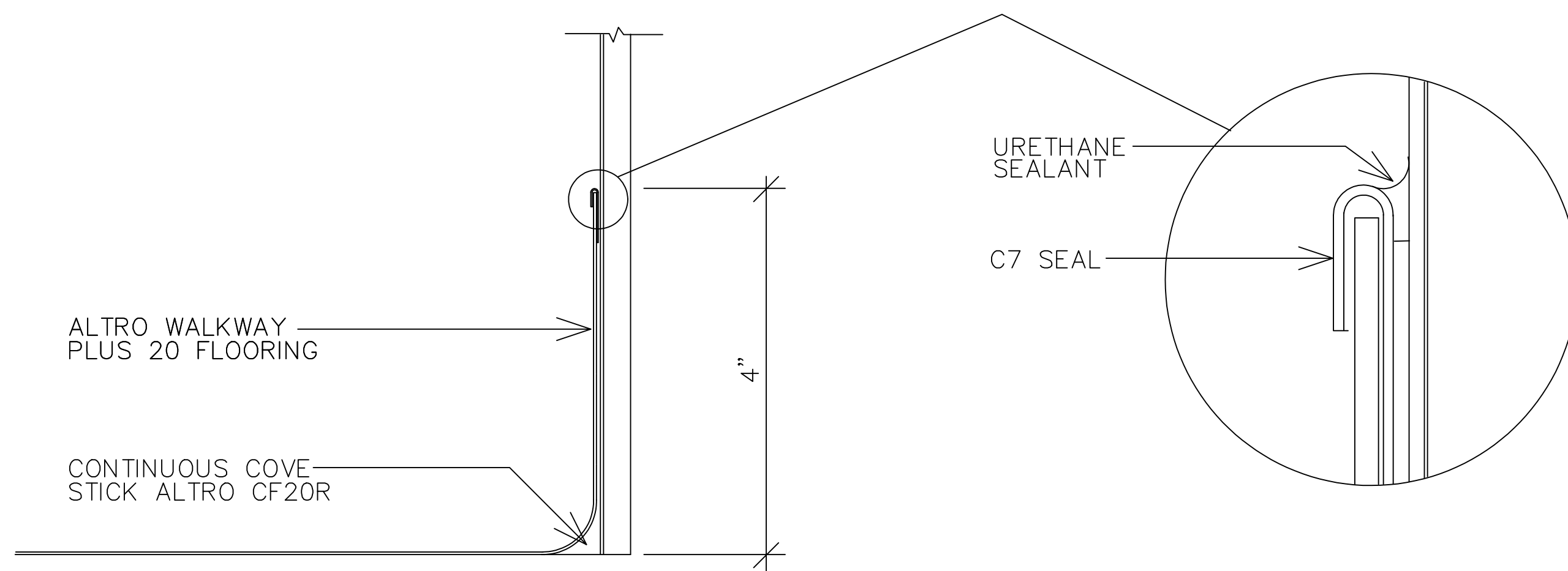
REV	DATE

LAMOINE STATE PARK OFFICE RENOVATION
LAMOINE, MAINE

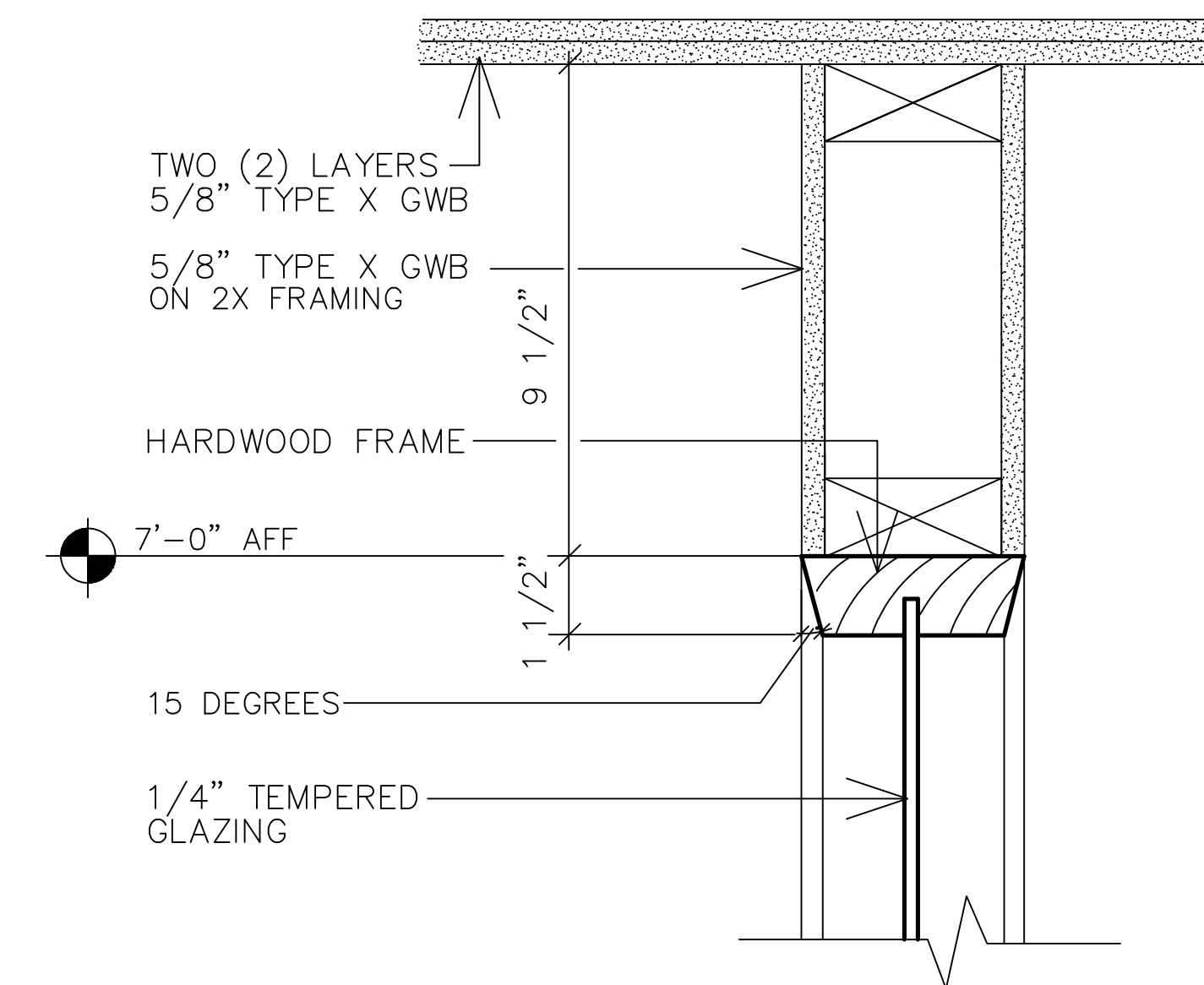
INTERIOR ELEVATIONS

2308.01

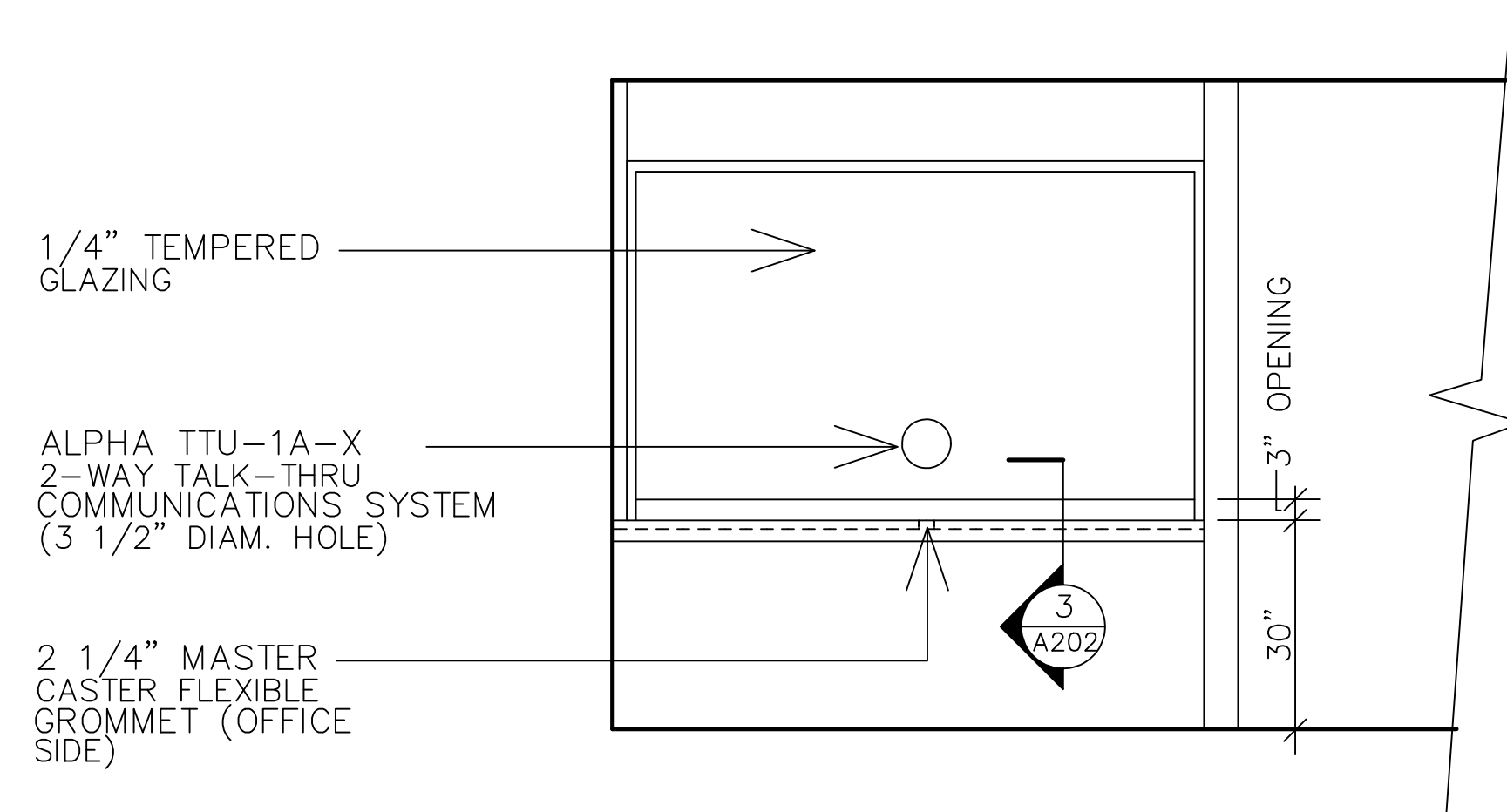
A202



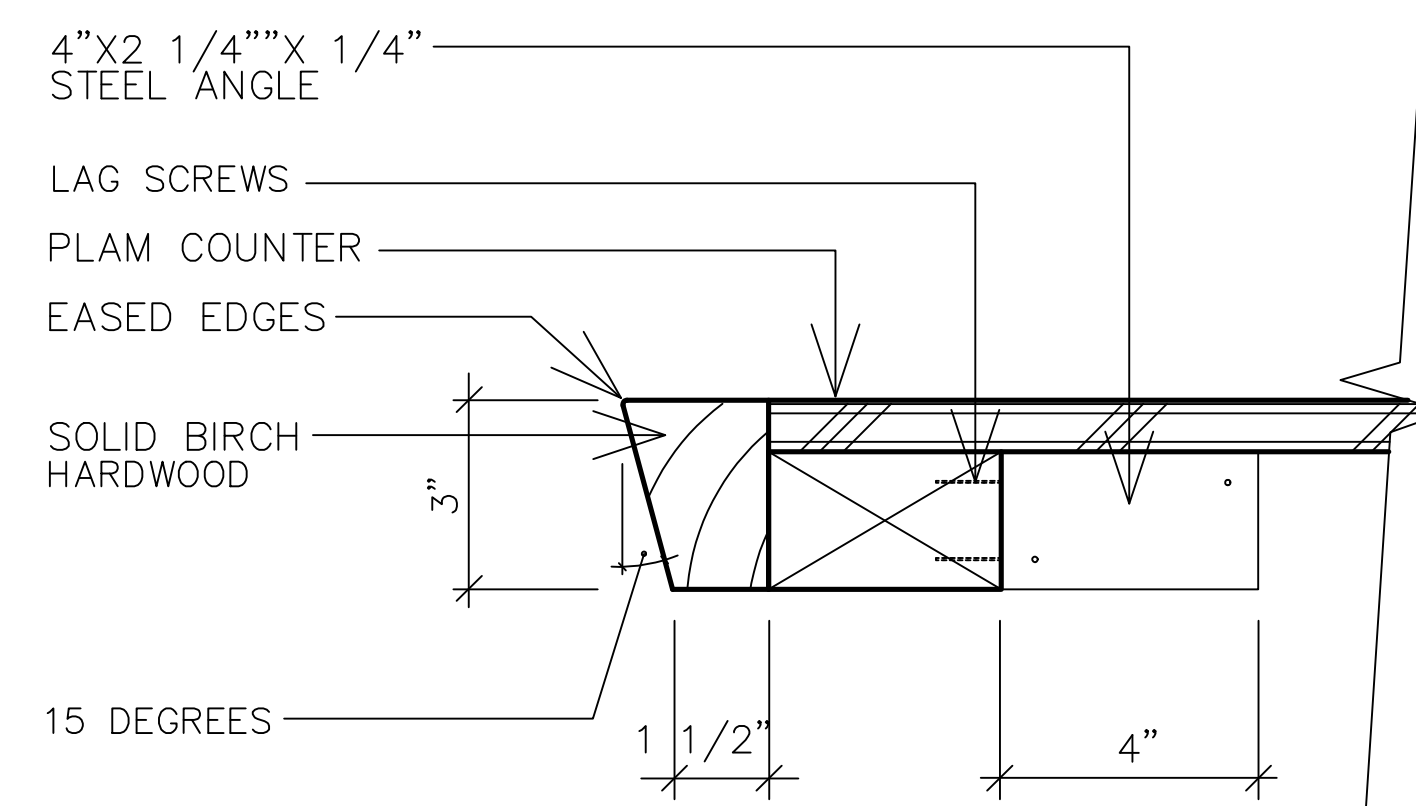
4 INTEGRAL COVE BASE
A202 NTS



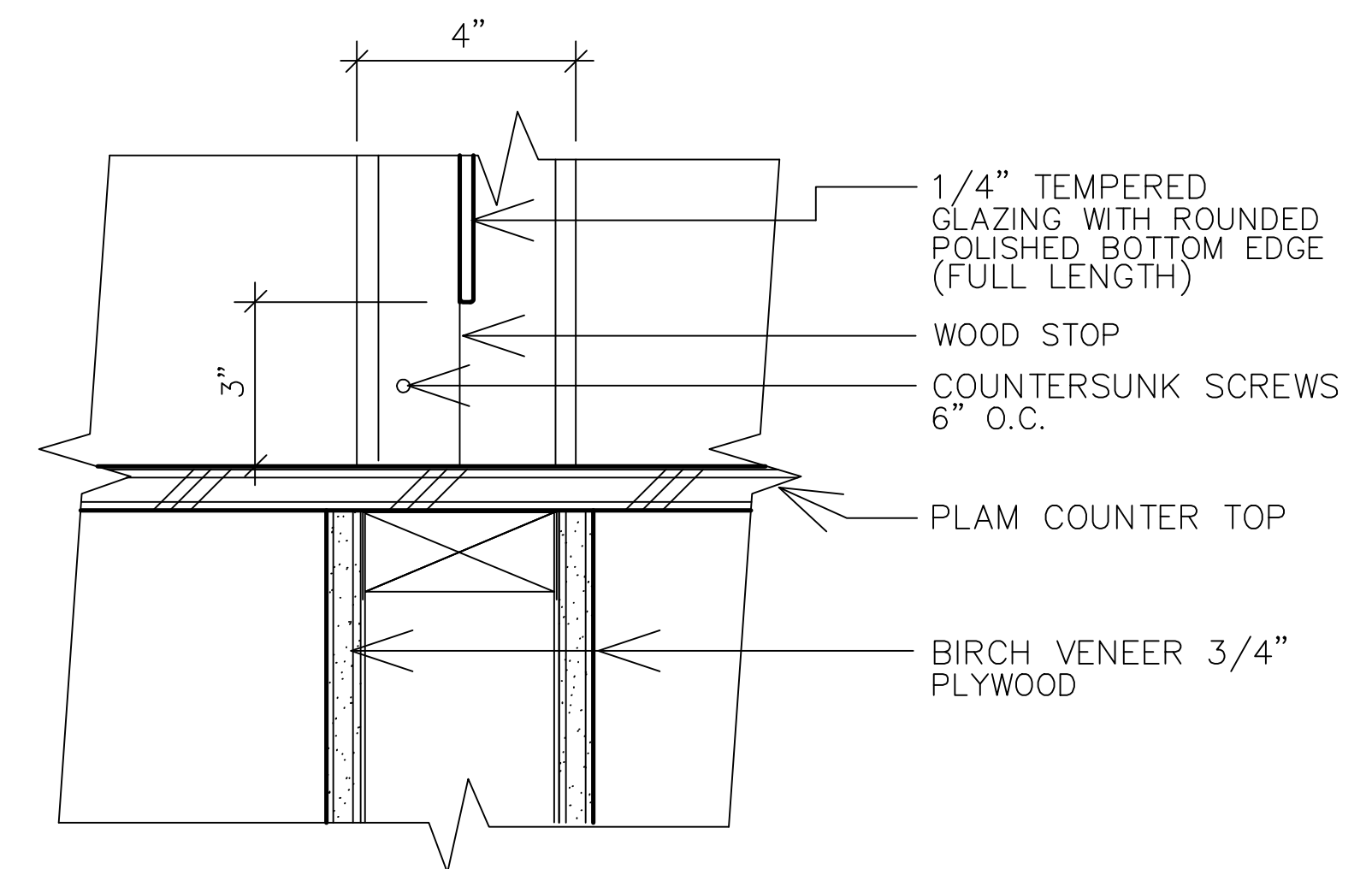
GLAZING HEAD



2 TRANSACTION WINDOW ELEVATION
A202 SCALE: 1/4" = 1'-0"



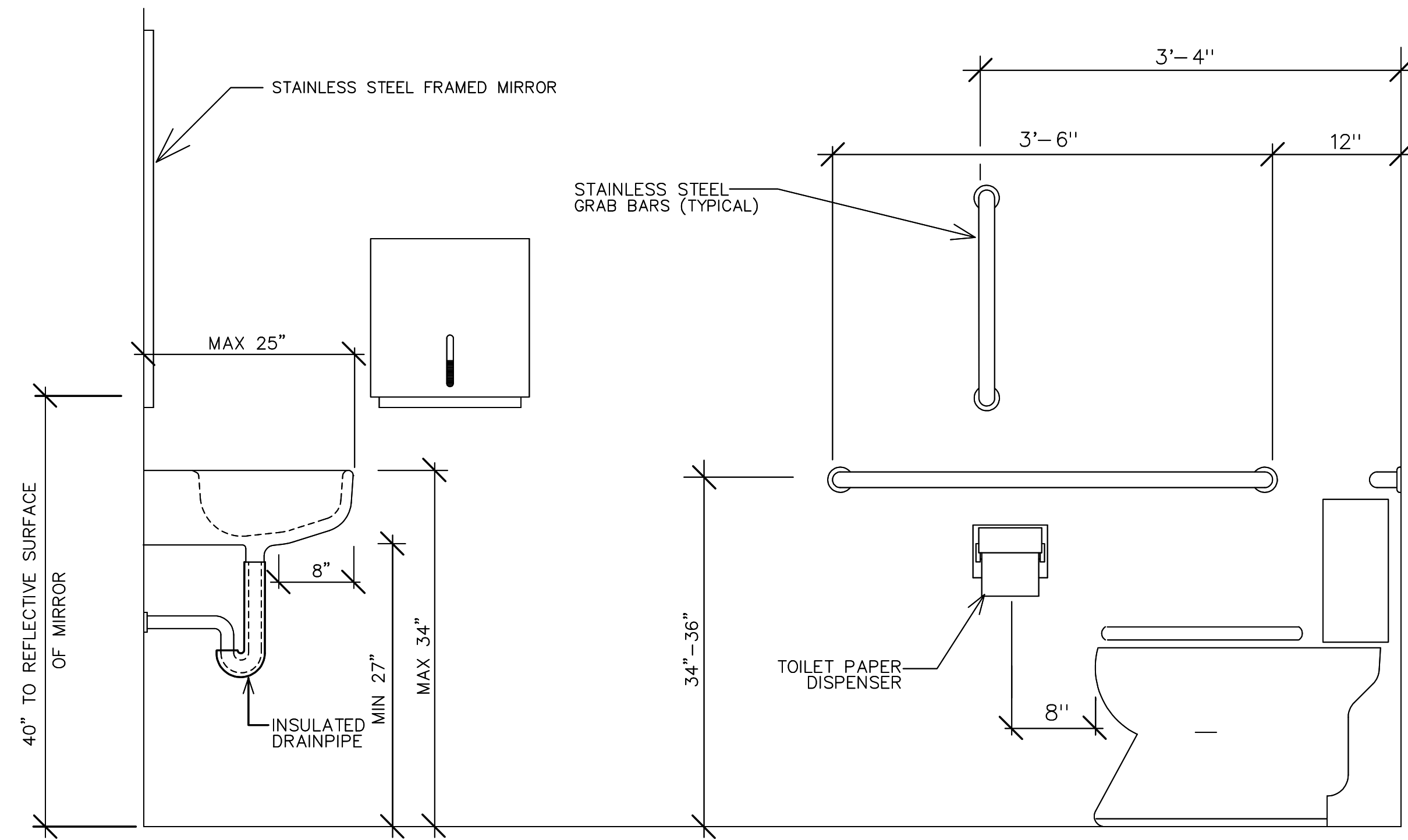
COUNTER EDGE



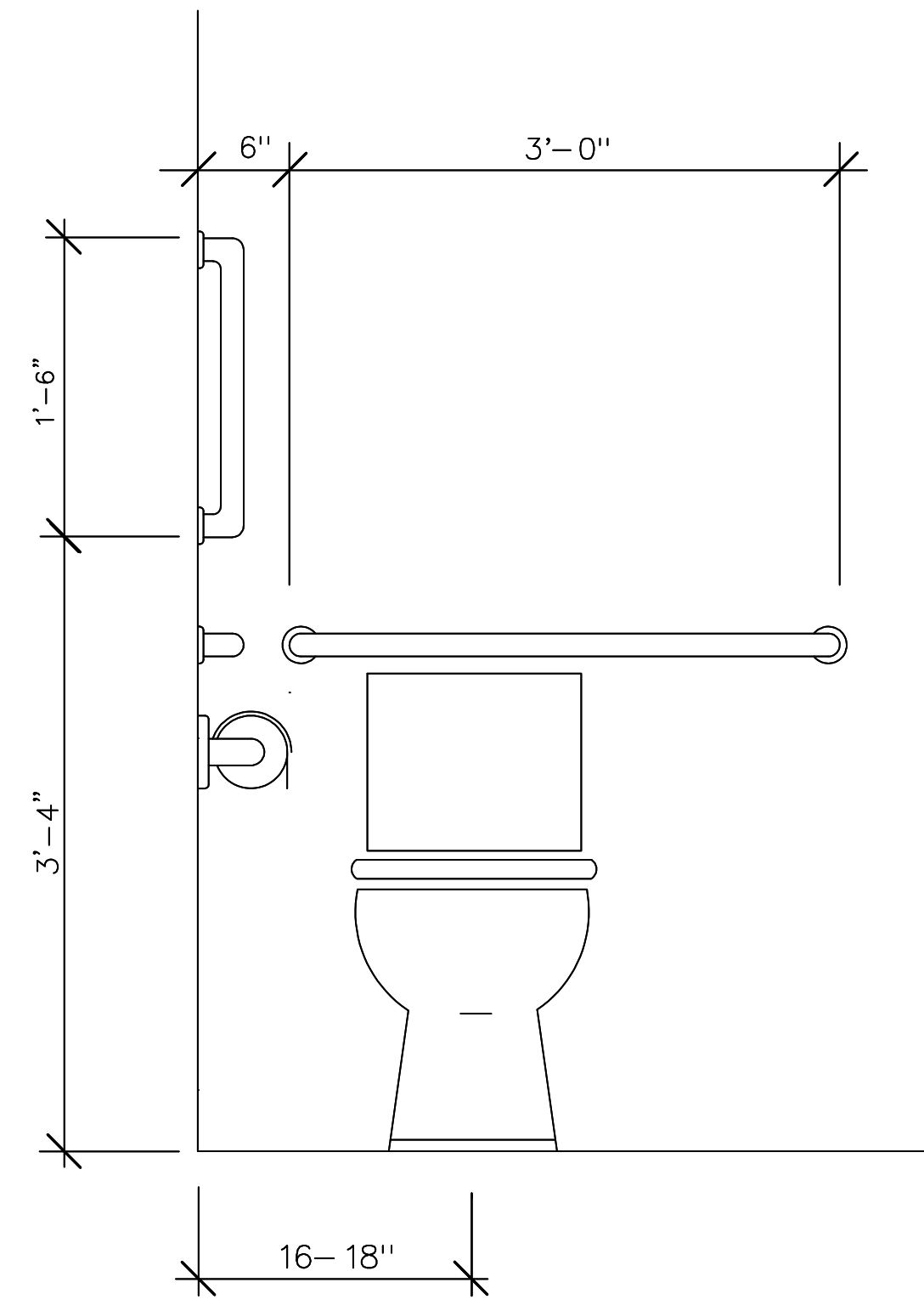
GLAZING BASE

3 TRANSACTION COUNTER DETAILS
A202 SCALE: 2" = 1'-0"

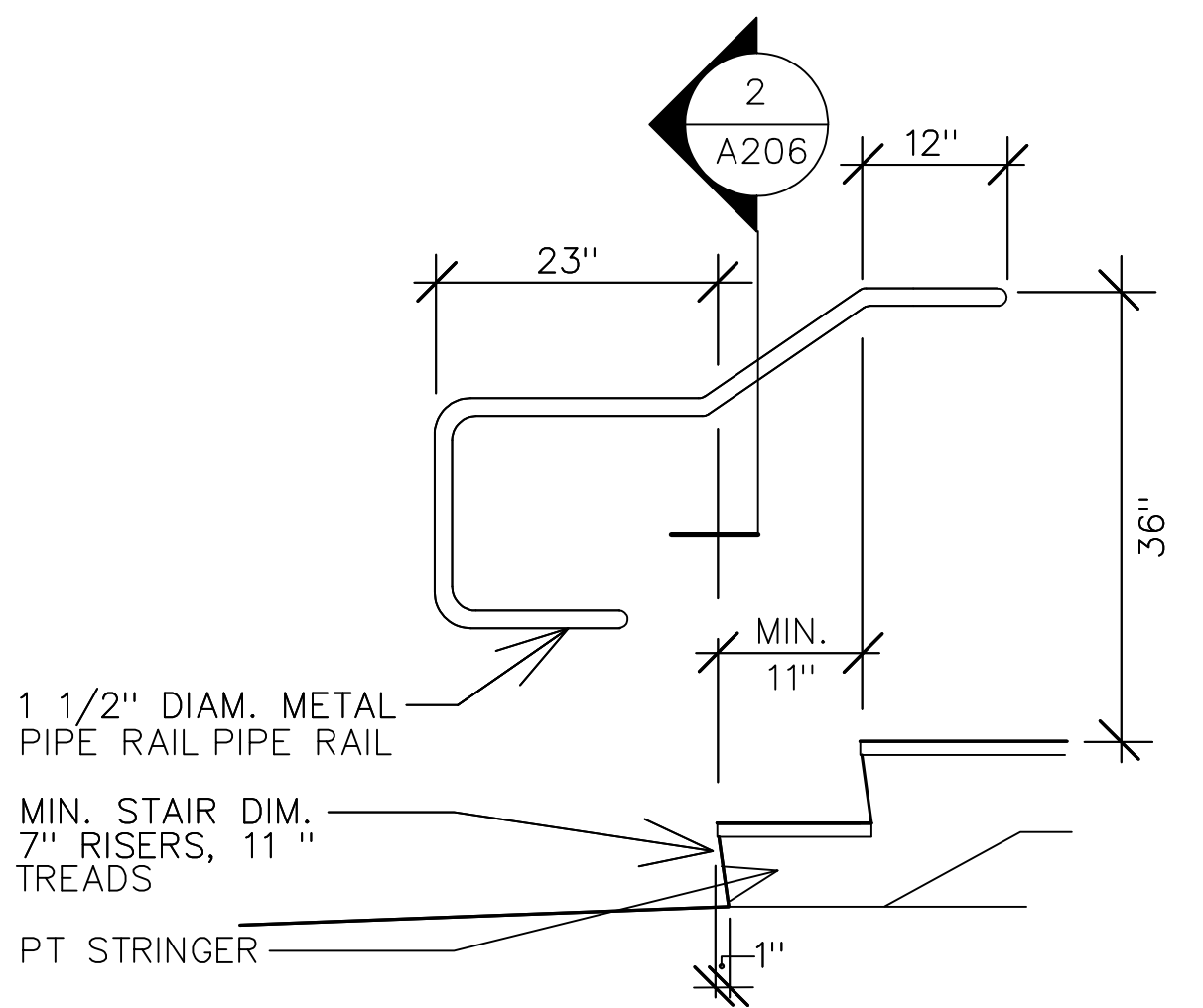
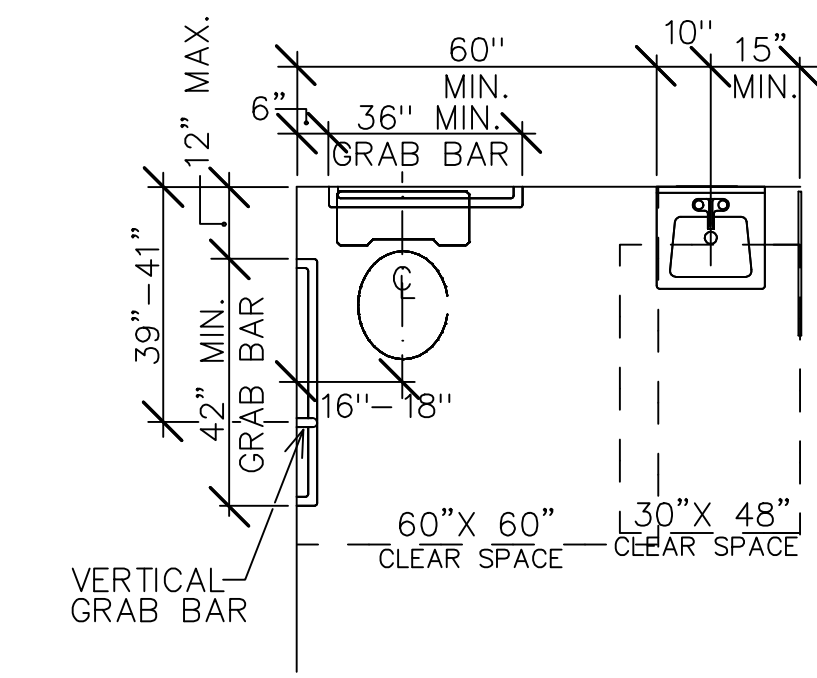
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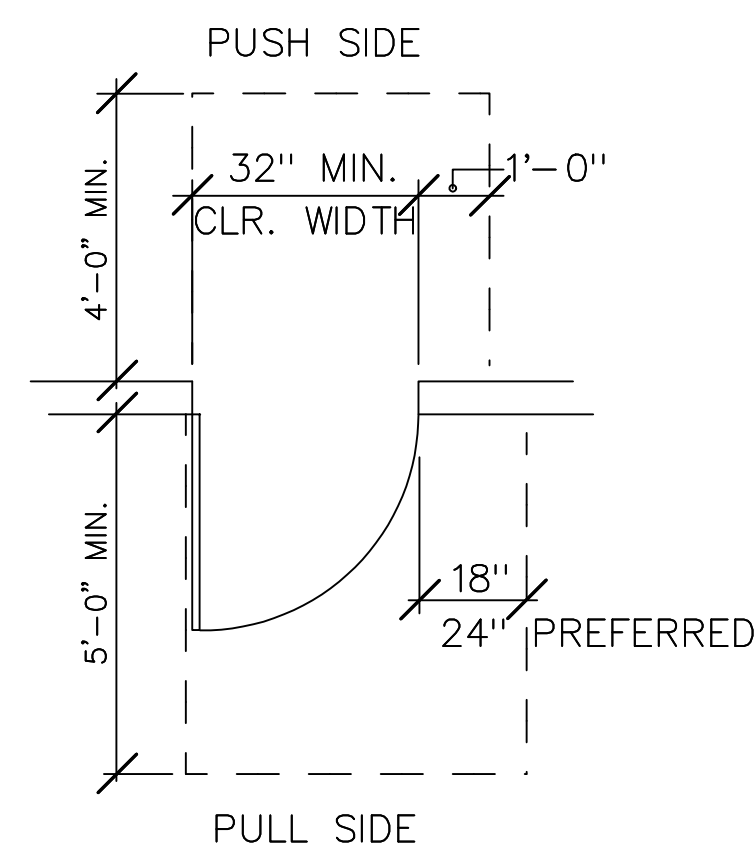
1 TYPICAL RESTROOM ADA
A203 ELEVATION CLEARANCES
SCALE: NTS



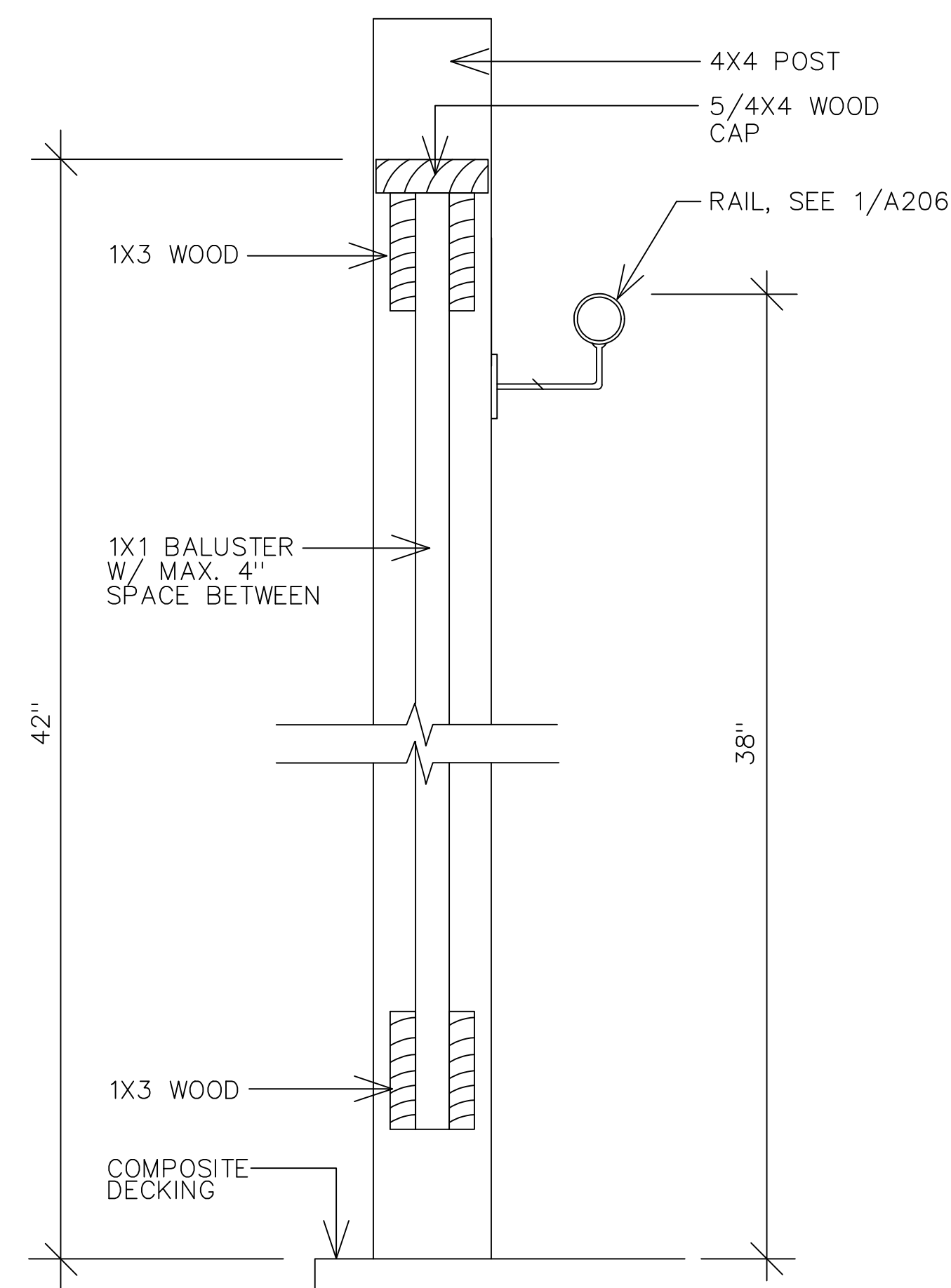
2 TYPICAL ADA PLAN
A203 CLEARANCES
SCALE: 3/4" = 1'0"



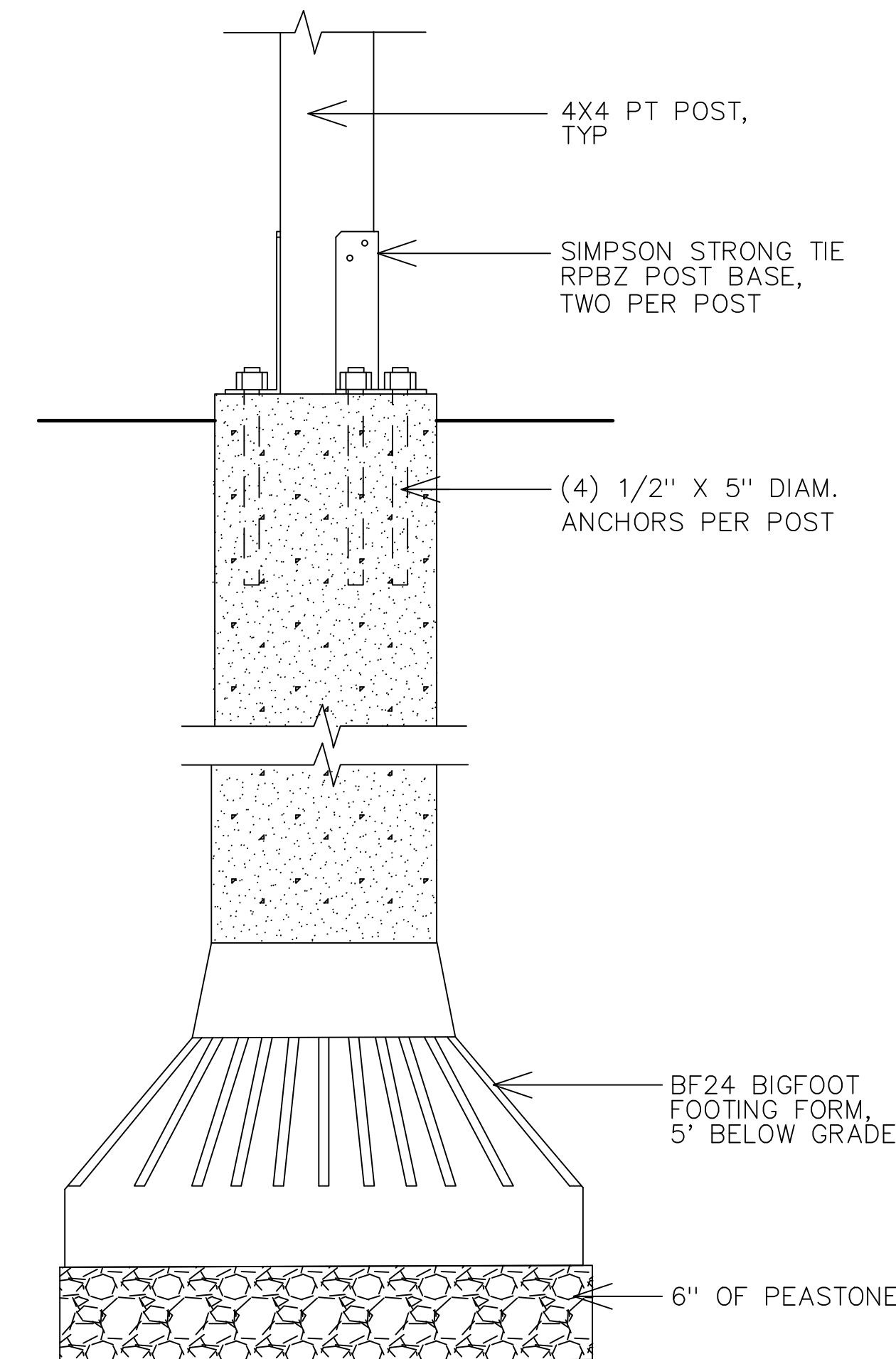
3 EXTERIOR RAIL/STAIR
A203 TYP ADA DIMENSIONS
SCALE: 3/4" = 1'0"



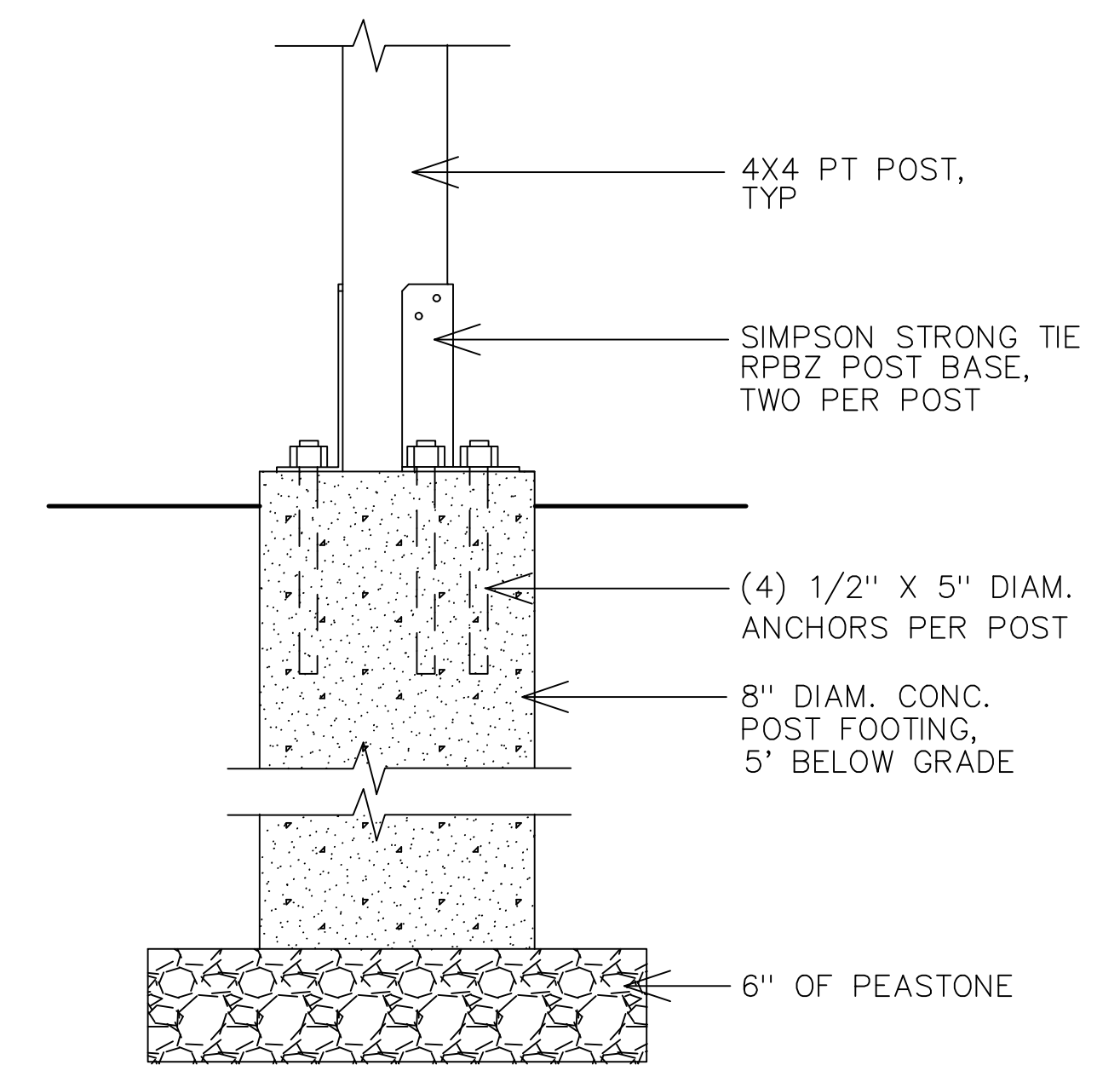
4 DOOR CLEARANCES
A203 SCALE: 3/4" = 1'0"



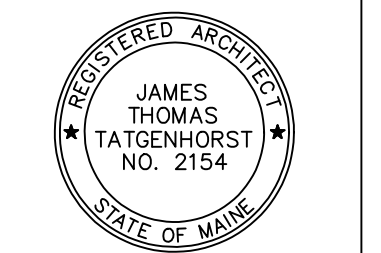
5 RAIL SECTION
A203 SCALE: 1 1/2" = 1'0"



6 POST CONC. FOOTING
A203 W/ BIGFOOT FORM
SCALE: 1 1/2" = 1'0"



7 POST CONC. FOOTING
A203 SCALE: 1 1/2" = 1'0"



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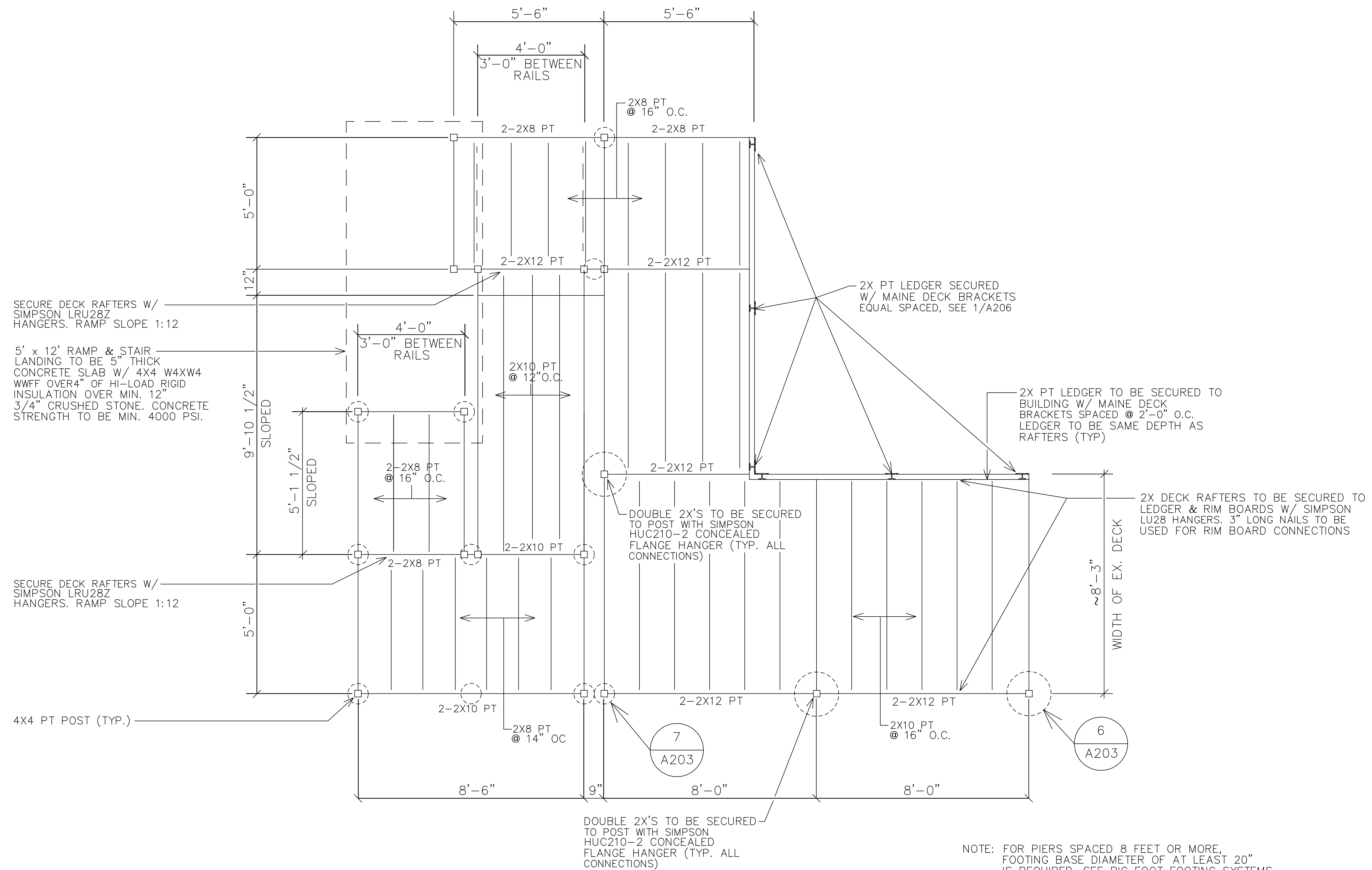
REV	DATE

LAMOINE STATE PARK OFFICE RENOVATION
LAMOINE, MAINE

DECK & RAMP FRAMING

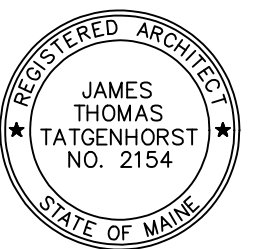
2308.01

A204



1 DECK & RAMP FRAMING
A204

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



GC BID SET

20SEP2024

REV DATE

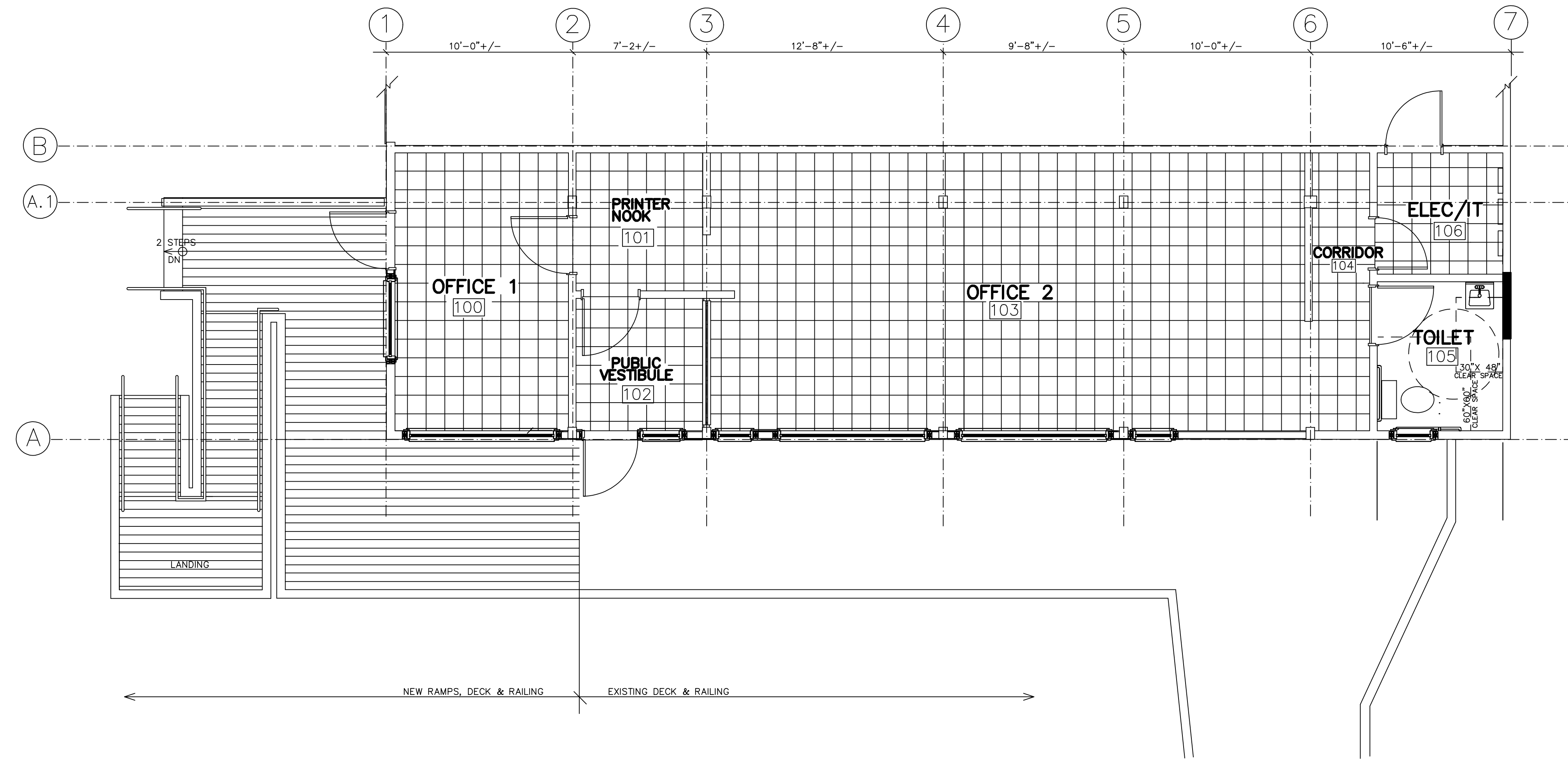
REV	DATE

LAMOINE STATE PARK BARN RENOVATION
LAMOINE, MAINE

FINISH SCHEDULE & FINISH FLOOR PLAN

2308.01

A205



FINISH SCHEDULE LEGEND

WALLS

GYP = DRYWALL - PAINTED
MR = MOISTURE RESISTANT GYP BRD - PAINTED
IMP = IMPACT RESISTANT DRYWALL TO 8'-0" AFF, DRYWALL ABOVE - PAINTED
CER = CERAMIC TILE TO 3'-6" AFF ON MR DRYWALL, IMPACT RESISTANT DRYWALL ABOVE - PAINTED
CER* = CERAMIC TILE ENTIRE WALL TO CEILING
FRP = FIBERGLASS PANELS TO 7'-0" AFF ON MR DRYWALL, PAINTED DRYWALL ABOVE 7'-0"
CONC = CONCRETE - PAINTED
CMU = CONCRETE BLOCK - PAINTED
GLASS = GLASS BLOCK
GYM = CONCRETE BLOCK TO 14' AFF - PAINTED, PAINTED DRYWALL & TECTUM SOUND PANELS ABOVE
MIR = MIRROR ON PAINTED DRYWALL
FRP = PLASTIC PANELS TO 7' AFF, PAINTED DRYWALL ABOVE

FLOORS

VCT = VINYL COMPOSITION TILE
CARP = CARPET
RUB = RUBBER TILE
SEAM = SEAMLESS EPOXY
WOOD = HARDWOOD
CONC = CONCRETE - PAINTED & SEALED
CER = CERAMIC TILE
MET = METAL GRATE / RUBBER TILE
PLY = PLYWOOD - PAINTED

BASE

VINYL = 4" VINYL COVE
RUB = 4" RUBBER COVE
SEAM = 6" SEAMLESS EPOXY
WOOD = HARDWOOD
CER = CERAMIC TILE

CEILING

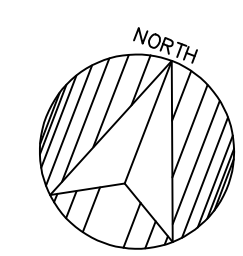
VIN = VINYL COATED ACT
ACT = ACOUSTIC CEILING TILE
GYP = DRYWALL - PAINTED
CONC = CONCRETE
MET = EXPOSED METAL JOISTS & DECK - PAINTED

FINISH SCHEDULE

ROOM NO	ROOM NAME	BASE	FLOOR	N	E	S	W	CEILING	CEILING HEIGHT	REMARKS
100	OFFICE 1	VINYL	VCT	GYP	GYP	GYP	GYP	GYP	7'-9"	
101	PRINTER NOOK	VINYL	VCT	GYP	GYP	GYP	GYP	GYP	7'-9"	
102	PUBLIC VESTIBULE	VINYL	VCT	GYP	-	GYP	GYP	GYP	7'-9"	
103	OFFICE 2	VINYL	VCT	GYP	GYP	GYP	GYP	GYP	7'-9"	
104	CORRIDOR	VINYL	VCT	GYP	GYP	-	GYP	GYP	7'-9"	
105	TOILET	ALTRO	ALTRO	GYP	GYP	GYP	GYP	GYP	7'-9"	
106	ELEC/IT	-	VCT	GYP	GYP	GYP	GYP	GYP	7'-9"	FLOOR TO REMAIN VCT IF ADD ALT. #3 IS USED.

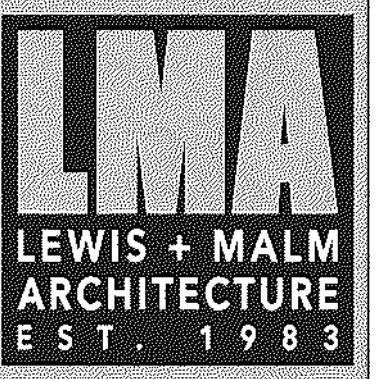
1 FINISH FLOOR PLAN
A205
SCALE: 1/4" = 1'-0"

- NOTE:**
- ADD ALT #3 - NEW VCT FLOORING IS BASE BID. ADD ALT #3 - CARPET TILE IN LIEU OF VCT FLOORING. ELEC/IT 106 TO REMAIN VCT IF ADD ALT #3 IS USED.
 - ALL CEILINGS TO BE TWO (2) LAYERS OF TYPE X GWS.
 - GYP WALLS & CEILING TO RECEIVE A PRIMER AND TWO (2) LAYERS OF PAINT.
 - TRANSITION STRIP TO BE PROVIDED BETWEEN ALTRO IN TOILET ROOM 105 & EITHER VCT OR CARPET IN CORRIDOR 104.
 - TRANSITION STRIP TO BE PROVIDED BETWEEN VCT IN ELEC/IT 106 & CARPET IN CORRIDOR 104 IF ALT #3 IS USED. SEE 3/A206.

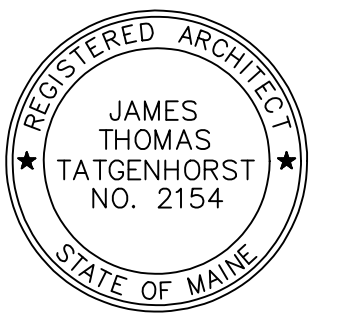


LEGEND

	12" x 12" VCT
	WOOD DECKING, TO MATCH EXISTING WOOD DECKING



124 MAIN ST.
P.O. BOX 1459
BUCKSPORT
MAINE 04416
207.469.7440



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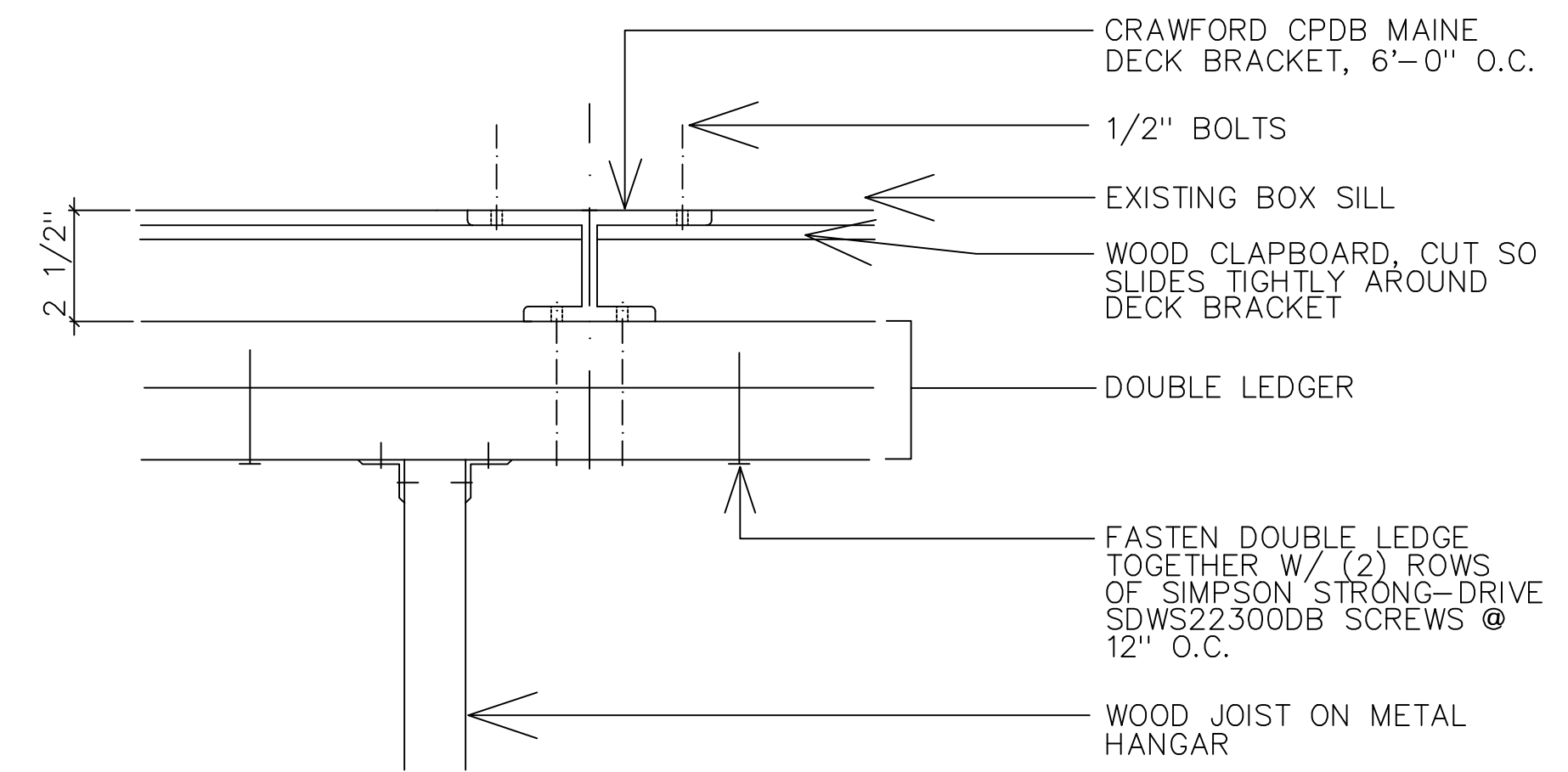
REV	DATE

LAMOINE STATE PARK OFFICE RENOVATIONS
LAMOINE, MAINE

GENERAL DETAILS

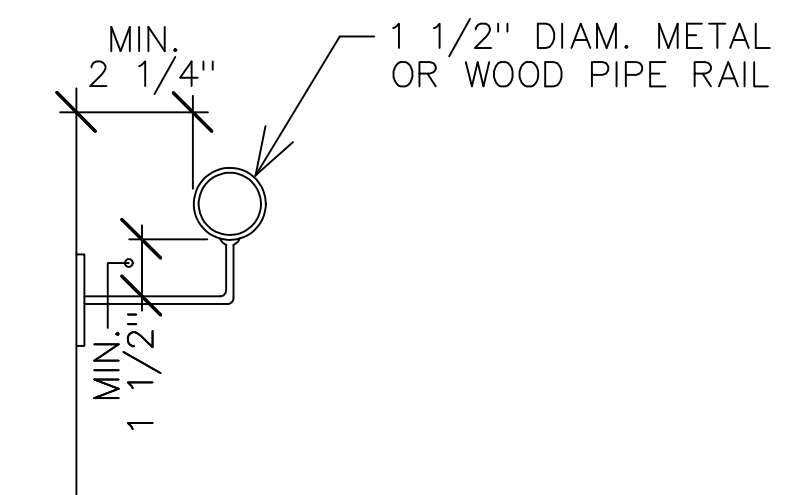
2308.01

A206

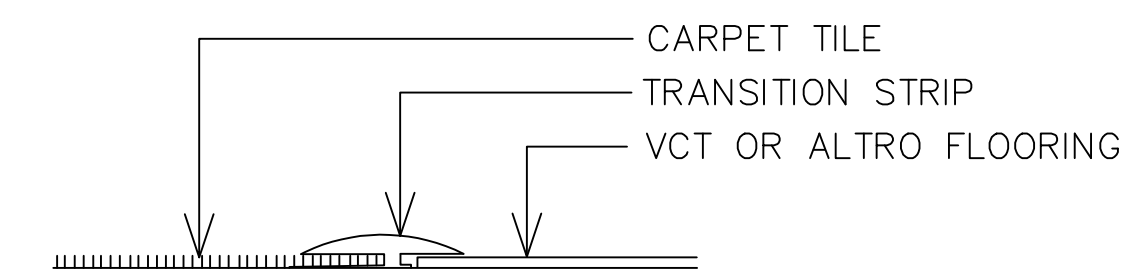


1 DECK/BUILDING JUNCTURE
SCALE: 3"=1'-0"

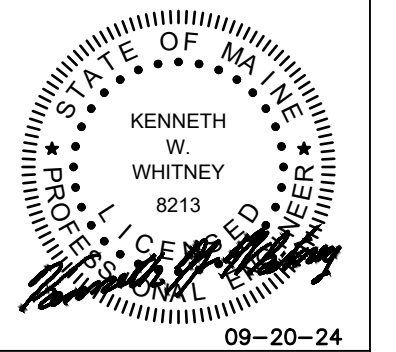
NOTE:
PROVIDE MIN. 1 1/2" SPACE BETWEEN
DECKING & SIDING @ JUNCTURE



2 RAIL DETAIL
SCALE: 3"=1'-0"



3 TRANSITION STRIP
SCALE: 3"=1'-0"



HVAC DEMOLITION NOTES

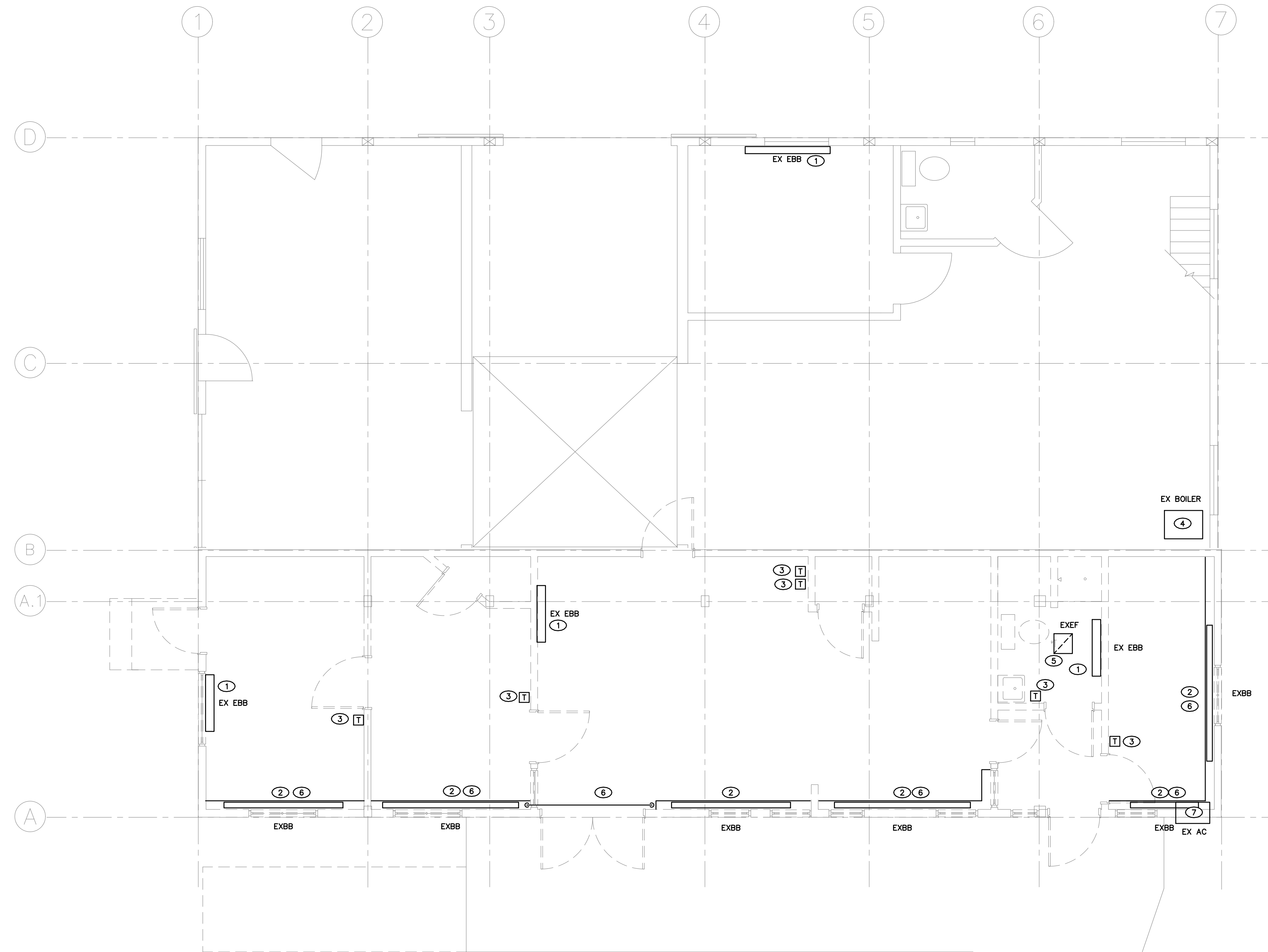
IN GENERAL, HVAC EQUIPMENT IS TO REMAIN UNLESS NOTED OTHERWISE.

- ① REMOVE ELECTRIC BASEBOARD
- ② REMOVE HYDRONIC BASEBOARD
- ③ REMOVE THERMOSTAT
- ④ REMOVE BOILER, RELATED PIPING AND FLUE
- ⑤ REMOVE EXHAUST FAN AND RELATED DUCTWORK
- ⑥ REMOVE ALL HWS/R PIPING RELATED TO BASEBOARD ON THIS FLOOR OR IN THE BASEMENT
- ⑦ REMOVE AC UNIT

GC BID SET

20SEP2024

REV	DATE

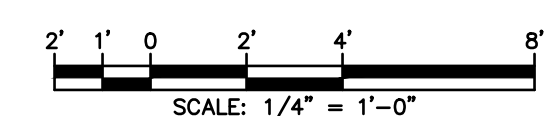
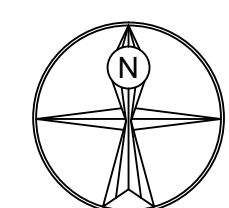


FIRST FLOOR OFFICE HVAC REMOVALS PLAN
 SCALE: 1/4" = 1'-0"

LAMOINE STATE PARK
 LAMOINE MAINE
**OFFICE RENOVATION
 FIRST FLOOR HVAC REMOVALS PLANS**

2308.01

M201



REV	DATE

REFRIGERATION PIPING KEY

NOTES:

- REFER TO DRAWING M001 FOR SCHEMATIC AND PIPE SIZES RELATED TO AC SYSTEM.
- PIPING SHOWN AS SINGLE LINE FOR CLARITY.

—R— REFRIGERATION PIPING

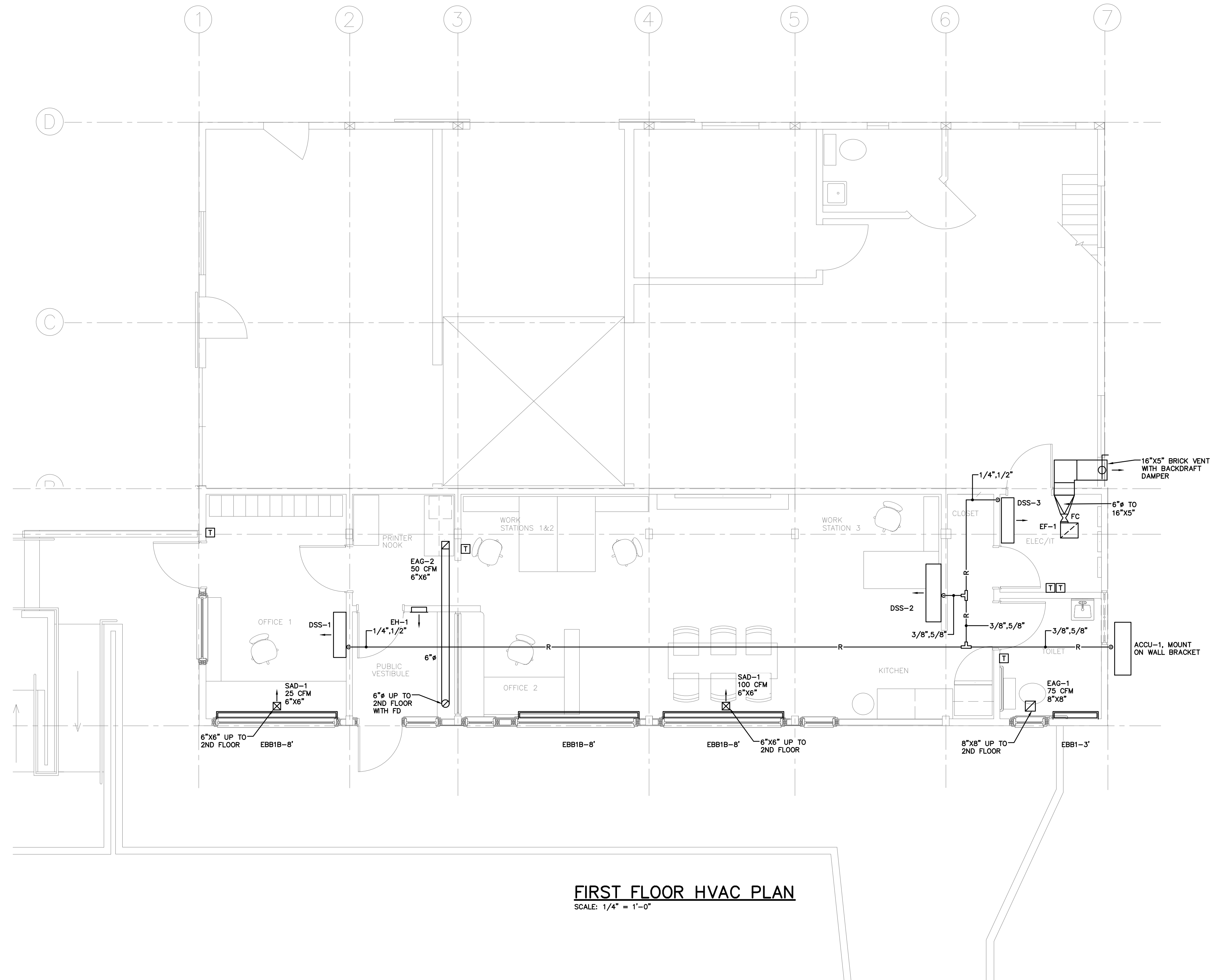
PIPING LABEL

1/4", 1/2" = 1/4" LIQUID
 1/2" GAS

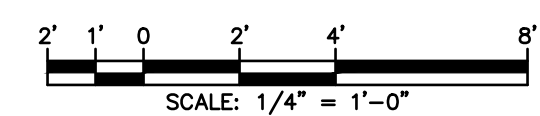
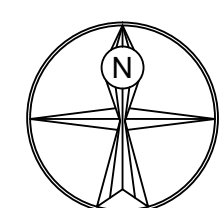
—Y— PIPING Y

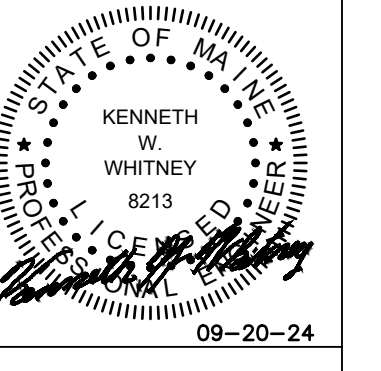
DSS-X WALL MOUNTED DUCTLESS SPLIT SYSTEM UNIT

ACCU CONDENSING UNIT



FIRST FLOOR HVAC PLAN
 SCALE: 1/4" = 1'-0"





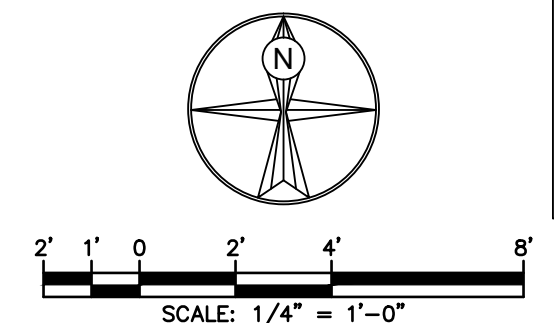
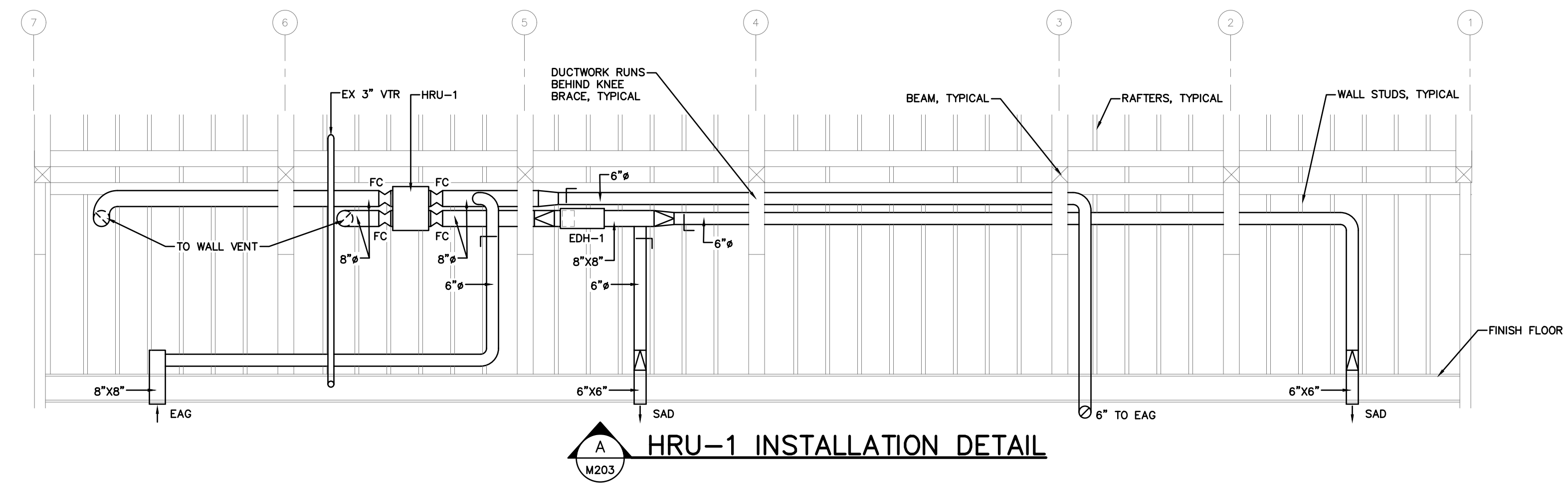
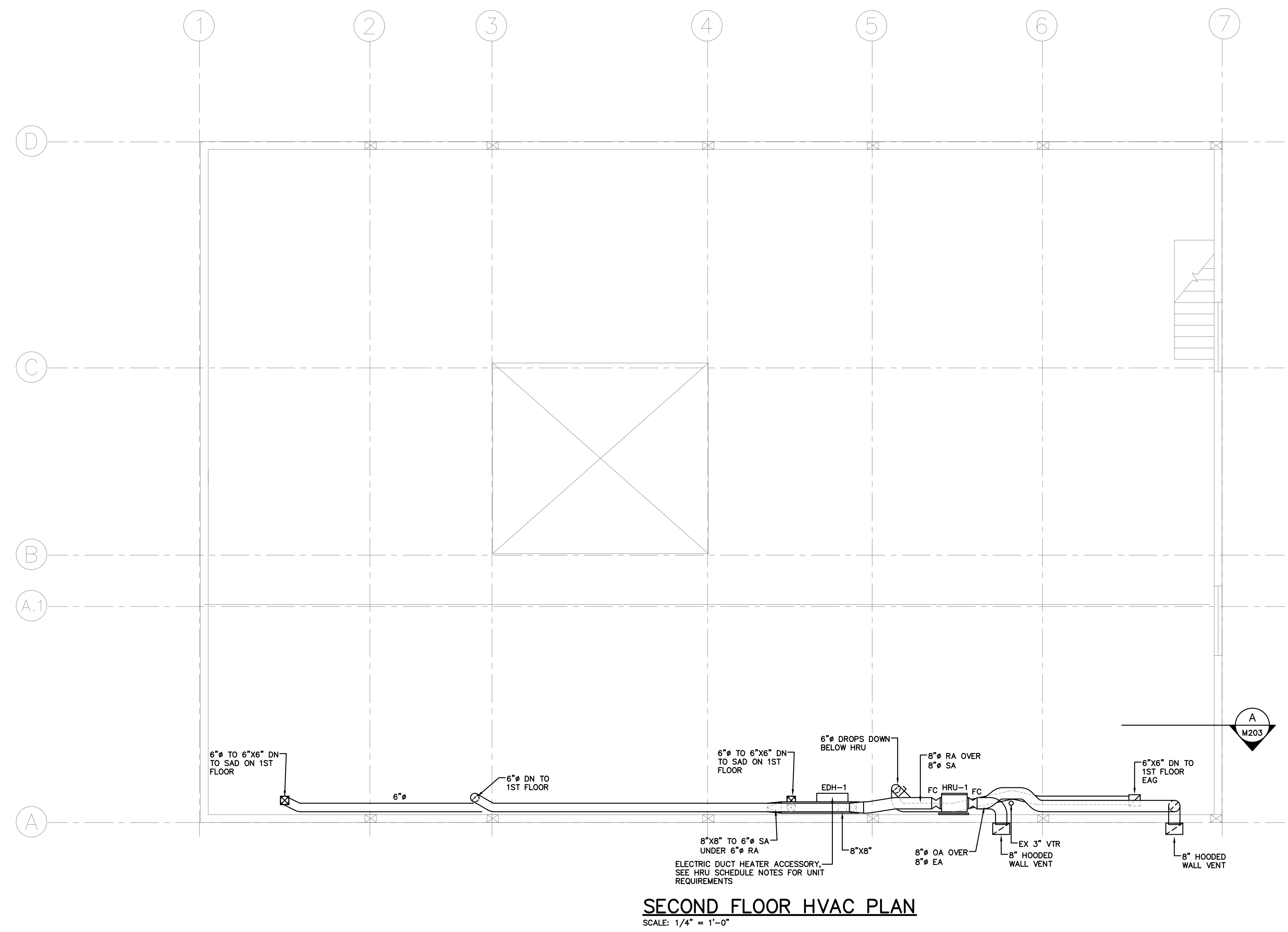
GC BID SET

REV	DATE

LAMOINE STATE PARK
 LAMOINE MAINE
 OFFICE RENOVATION
 SECOND FLOOR HVAC PLAN

2308.01

M203



HVAC LEGEND

- HWS--- HOT WATER SUPPLY
- HWR--- HOT WATER RETURN
- S--- STEAM SUPPLY
- CR--- STEAM CONDENSATE RETURN
- CWS--- CHILLED WATER SUPPLY
- CWR--- CHILLED WATER RETURN
- HG--- HOT GAS LINE
- L--- LIQUID LINE
- SL--- SUCTION LINE
- G--- GAS LINE
- P--- PIPE RISER
- D--- PIPE DROP
- X--- ECCENTRIC REDUCER
- A--- PIPE ANCHOR
- U--- UNION
- V--- GATE VALVE
- B--- BALL VALVE
- C--- CHECK VALVE
- I--- IN - LINE PUMP
- S--- STRAINER
- T--- THERMOMETER/THERMOWELL
- G--- PRESSURE GAUGE WITH SHUT-OFF COCK
- S--- BALANCING AND SHUT-OFF VALVE
- R--- PRESSURE RELIEF VALVE
- L--- FUSIBLE LINK VALVE
- F--- FUEL OIL FILTER
- C--- FLEXIBLE CONNECTOR (FC)
- A--- AUTOMATIC AIR VENT
- D--- SUPPLY DUCT
- E--- EXHAUST OR RETURN DUCT
- FD--- FIRE DAMPER
- V--- VOLUME DAMPER
- M--- MOTOR OPERATED DAMPER (MOD)
- TV--- TURNING VANE (TV)
- A--- ACOUSTICALLY LINED DUCTWORK
- S--- FIRE SUPPRESSION PULL STATION
- EX--- EXISTING EQUIPMENT
- R--- EXISTING EQUIPMENT TO BE REMOVED
- T--- TIE INTO EXISTING SYSTEM
- A--- ABOVE FINISHED FLOOR
- N--- NOT TO SCALE
- A--- AUTOMATIC CONTROL VALVE
- S--- THERMOSTAT/TEMPERATURE SENSOR
- H--- HUMIDISTAT
- S--- WALL SWITCH
- T--- TIMER
- P--- CONTROL PANEL
- N--- NOT IN CONTRACT
- D--- BACKDRAFT DAMPER
- A--- AUTOMATIC CONTROL VALVE

ELECTRIC HEATER (EH)							
UNIT	MODEL	VOLTS	AMP	WATTS	L"xW"xH"	BTU/HR	NOTES
EH-1	CWH1101DSF	120	8.4	1000	10.6x4x12.3	3413/1706	1

NOTES:

- BASED ON QMARK

ELECTRIC BASEBOARD (EBB)							
UNIT	MODEL	VOLTS	AMP	WATTS	LENGTH	BTU/HR	NOTES
EBB1-3'	QMKC2543W	240/1	3.1	750	3'-0"	2560	1,2
EBB1-8'	QMKC2540BW	240/1	10.4	2500	8'-0"	8536	1,2

NOTES:

- BASED ON QMARK
- PROVIDE DSW2W UNIT MOUNTED POWER ON/OFF SWITCH FOR EACH UNIT

FAN SCHEDULE												
UNIT	SERVES	SONES	CFM	BALANCE CFM	T.S.P. " W.C.	RPM	TYPE	MODEL NO.	BHP	HP	POWER	NOTES
EF-1	IT ROOM	4.0	150	150	0.5	1199	CLG	GCVF-180	35W	-	115	1,2,3,4

NOTES:

- BASED ON COOK
- BRICKVENT, REFER TO PLANS FOR SIZE AND QTY
- RIS VIBRATION HANGERS
- ECM MOTOR WITH MOTOR MOUNTED SPEED CONTROL

DUCTLESS SPLIT SYSTEM (DSS)											
OUTDOOR UNIT	MODEL	AMB	KW CLG/HTG	EER	MAX. FUSE	MIN. CIR. AMP	POWER	INTERGRAL COND PUMP	BRANCH CNTRL BOX	OUTDOOR UNIT	
ACCU-1	MXZ-SM42NAMHZ	95	3.8/7.2	13.4	40	36	240/1				

INDOOR UNIT	MODEL	CAP (MBH) CLG/HTG	WET CFM	FAN FLA	MAX. FUSE	MIN. CIR. AMP	POWER	INTERGRAL COND PUMP	BRANCH CNTRL BOX	OUTDOOR UNIT
DSS-1	PKFY-P08NLMU-E	8/9	141-237	0.19	15A	0.2	240/1	YES	NA	ACCU-1
DSS-2	PKFY-P24NKMU-E	24/27	570-920	0.5	15A	0.63	240/1	YES	NA	ACCU-1
DSS-3	PKFY-P12NLMU-E	12/13.5	152-297	0.2	15A	0.2	240/1	YES	NA	ACCU-1

UNIT DIMENSIONS		UNIT DIMENSIONS	
INDOOR UNIT	DIMENSIONS (WIDTH, DEPTH, HEIGHT)	OUTDOOR UNIT	DIMENSIONS (WIDTH, DEPTH, HEIGHT)
PKFY-P08NLMU-E	30-7/16", 9-11/32", 11-25/32"	MXZ-SM42NAMHZ	41-11/32", 13", 52-11/16"
PKFY-P12NLMU-E	30-7/16", 9-11/32", 11-25/32"		
PKFY-P24NKMU-E	46-1/16", 11-5/8", 14-3/8"		

NOTES:

- BASED ON MITSUBISHI
- MECHANICAL CONTRACTOR SHALL COORDINATE WITH MANUFACTURER REGARDING ALL REQUIRED REFRIGERATION PIPING AND ACCESSORIES
- ACCU'S TO BE MOUNTED ON WALL BRACKET ACCESSORY.
- REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR COMPLETE INSTALLATION OF THE SYSTEM.
- PROVIDE WALL MOUNTED, HARD WIRED, PROGRAMMABLE THERMOSTATS.
- DSS-1,2,3 TO OPERATE WITH ACCU-1
- PROVIDE INTEGRAL CONDENSATE PUMPS FOR ALL UNITS
- PROVIDE CN24 RELAY KIT ACCESSORY FOR DSS-1,2,3 TO CONTROL ELECTRIC BASEBOARD HEATERS

DIFFUSER/REGISTER SCHEDULE										
UNIT	MODEL NO.	MAX CFM	T.P. " W.C.	THROW (FT)	NC	PATTERN	SIZE	NOTES		
SAD-1	5000-2	100	.03	13-20	<20	1-WAY	6"x6"	1,2		
EAG-1	CCS-1	200	.03	20	-	-	8"x8"	1,2		
EAG-2	RH	50	.01	-	<20	-	6"x6"	1		

NOTES:

- BASED ON METALAIR
- PROVIDE STEEL UNIT WITH FIRE RATED DAMPER ASSEMBLY

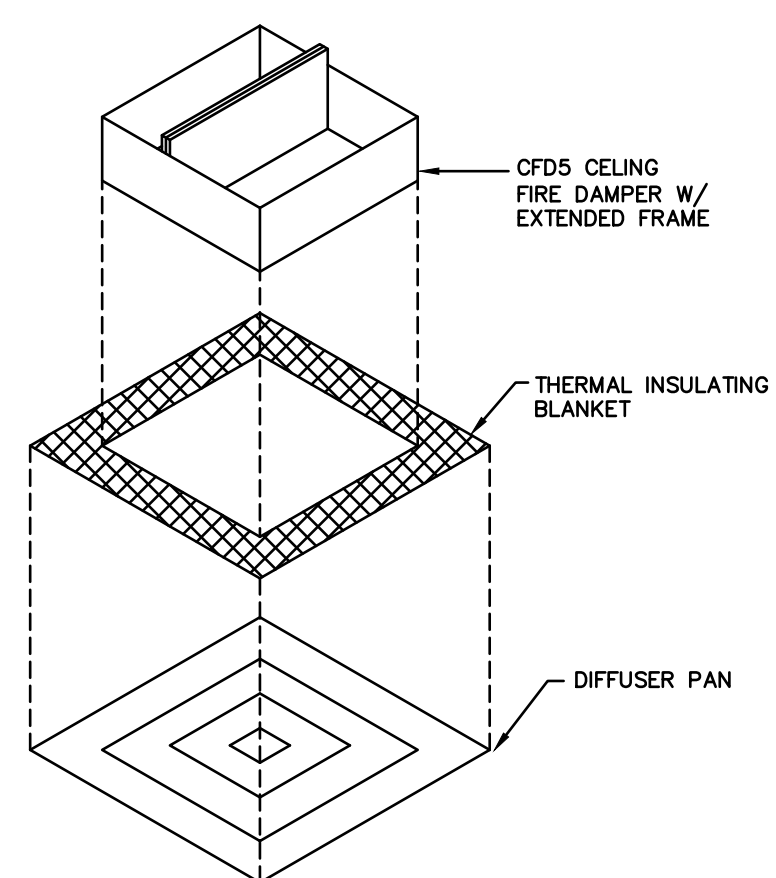
HEAT RECOVERY UNIT SCHEDULE													
UNIT	CFM	TSP	ESP	BHP	HP	POWER	TYPE	DIA.	RPM				
HRU-1	125	-	1.0	-	200.11	120	-	-	-	-	-	-	-

HEAT RECOVERY	TYPE	EAT	LAT	ROOM	% EFF
		SUMMER	WINTER	SUMMER	WINTER
HRU-1	CORE	82/68	-2/-4	77/65	50

FILTER	AREA	TYPE	EFF.	APD	% GLYCOL	WEIGHT
HRU-1	0.75	PLEAT	M13	-	-	40

NOTES:

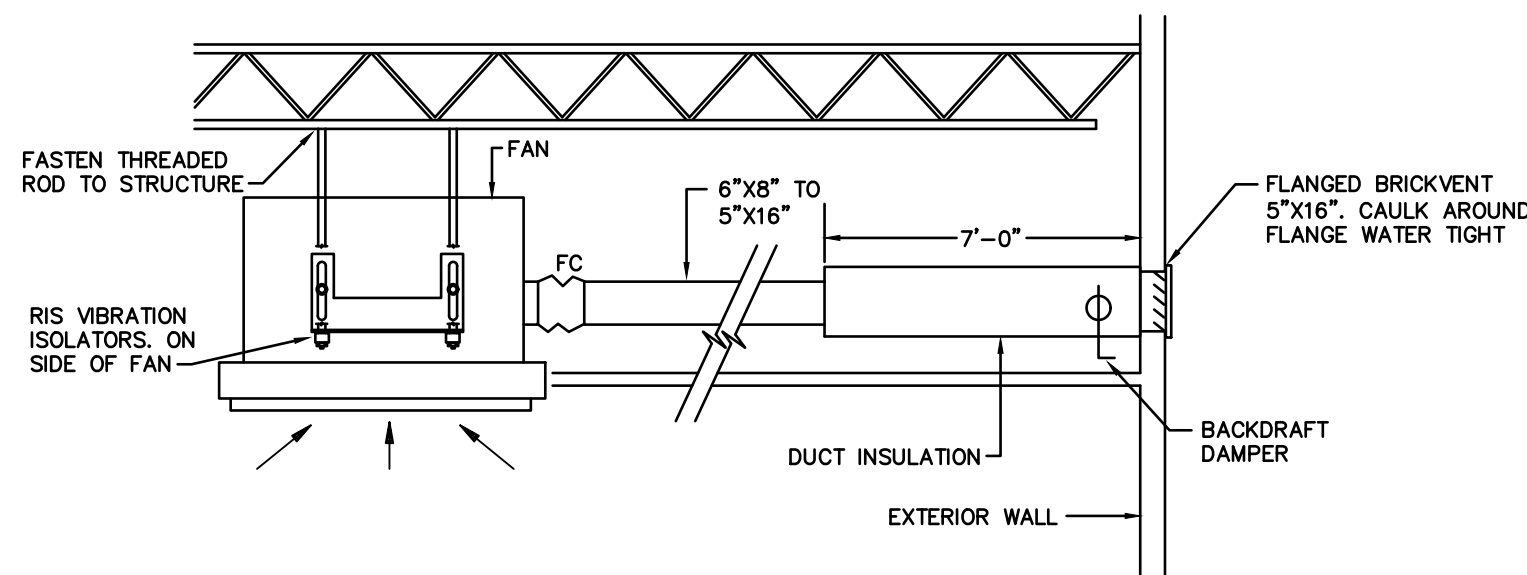
- BASED ON RENEWAIRE EV PREMIUM M
- PAINTED FINISH, ENTHALPY CORE
- TWO ECM MOTOR, 120V, FLA 1.22 EA, MCA 15, MOP 15A.
- PROVIDE 8" PAINTABLE HOODED VENT ACCESSORY FOR OA AND EA CONNECTIONS.
- PROVIDE ELECTRIC DUCT HEATER ACCESSORY EDH-1, CAT# EK-0808001SCCH, 8"x8" DUCT, 1KW, SCR WITH THERMOSTAT CONTROLLER, 25 DEG RISE, 120V, FLA=8.3A, MCA=10.4, MOP 15A



GRILLE & DIFFUSER FIRE DAMPER DETAIL

NOTES:

- PROVIDE FIRE DAMPERS AS INDICATED AT ALL GRILLES AND DIFFUSERS INSTALLED IN FIRE RATED CEILING ASSEMBLY. REFER TO ARCHITECTURAL PLANS FOR FIRE RATED CEILING ASSEMBLY.
- GRILLES AND DIFFUSERS ARE TO BE STEEL.



CEILING/INLINE FAN DETAIL

NOTES:

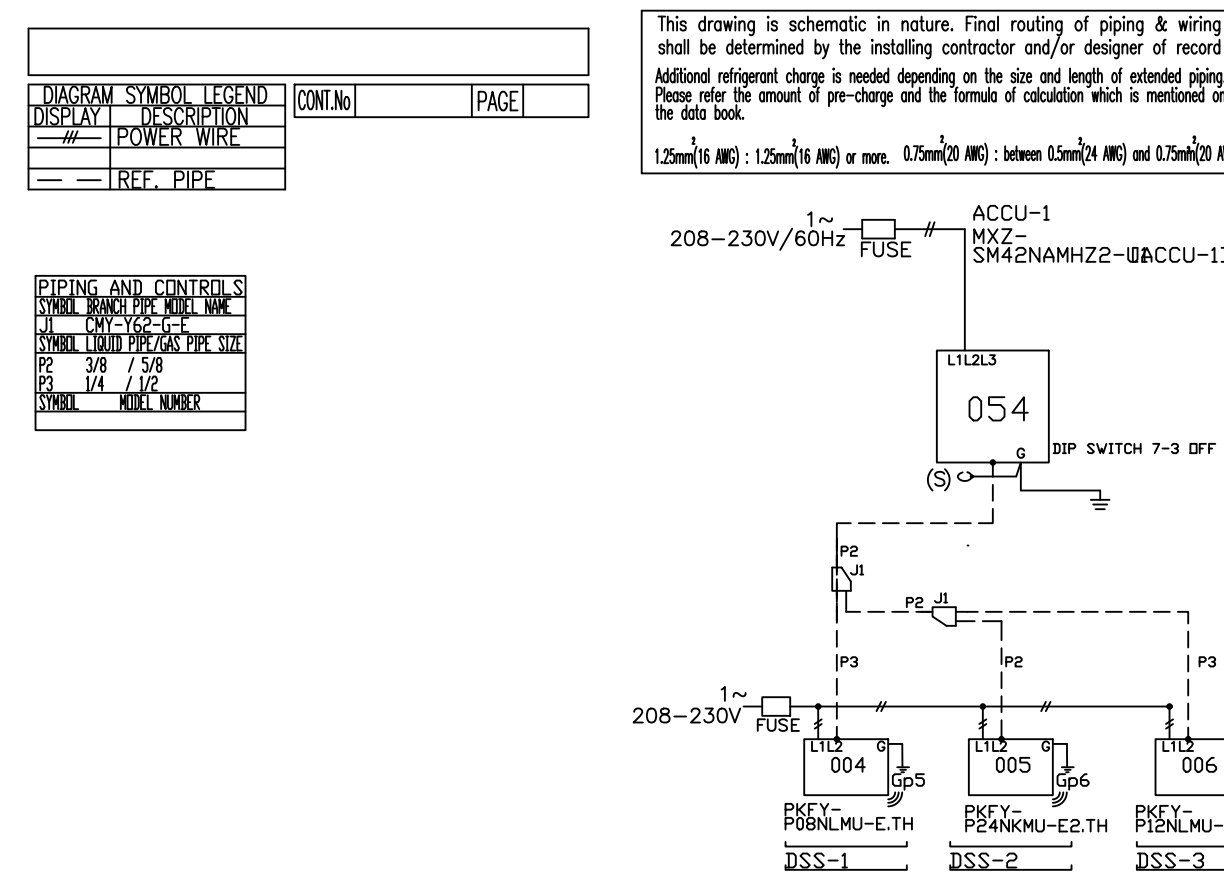
- TYPICAL MOUNTING ARRANGEMENT FOR CEILING AND CEILING/INLINE FANS.
- INLINE FANS TO BE MOUNTED ABOVE CEILING. CEILING FANS TO BE MOUNTED AT CEILING.
- REFER TO PLANS FOR VARIANCES IN DUCT SIZES

Electrical & Mechanical Coordination Matrix		Legend															
Item	Category	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HRU-1	Electric Duct Heater - EDH-1																
1ph Pump FS-1	1 ph Pump WP-1																
1 ph Pump - Existing Well Pump	1 ph Pump - Chemical Feed																
Variable ECM Motor (Motor Mnt Speed Control)	EF-1 (Thermostat)																
EF-2 (Switch)	120V Circuit for A11C Control Panel - Qty 2																
Electric Baseboard - EBB1	Electric Heater - EH-1																
Electric Water Heater - HTR-1	Water Heater Leak Detector																
Electric Heat Trace																	
ACCU-1 to 4 (1 ph)																	
DSS-1 to 4 (1 ph)																	

- M Signifies Mechanical Supplies and Specifies
- E Signifies Electrical Supplies and Specifies

CITY MULTI

SYSTEM SCHEMATIC DWG.



REFRIGERATION PIPING DIAGRAMS

NOTES:

ENGINEERS & DESIGNERS

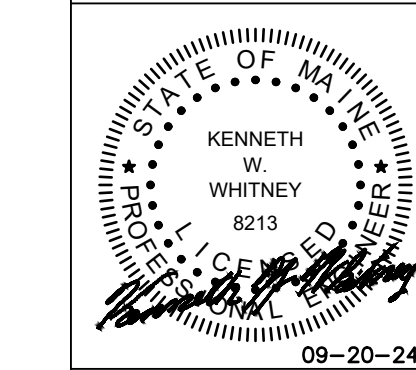
ELECTRICAL & MECHANICAL SYSTEMS

161 MAIN STREET WINTHROP, MAINE
Tel 207•377•6969 Fax 207•377•7584

PLOT DATE: Sep 19, 2024

LEWIS & MALM ARCHITECTURE

EST. 1983



GC BID SET

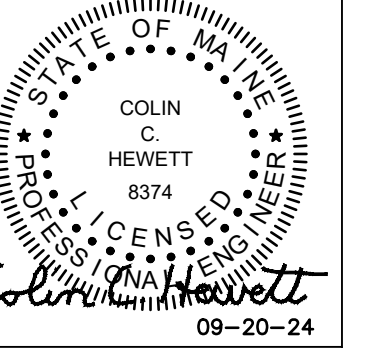
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LAMOINE STATE PARK
 LAMOINE MAINE
 OFFICE RENOVATION
 HVAC SCHEDULES & DETAILS

2308.01

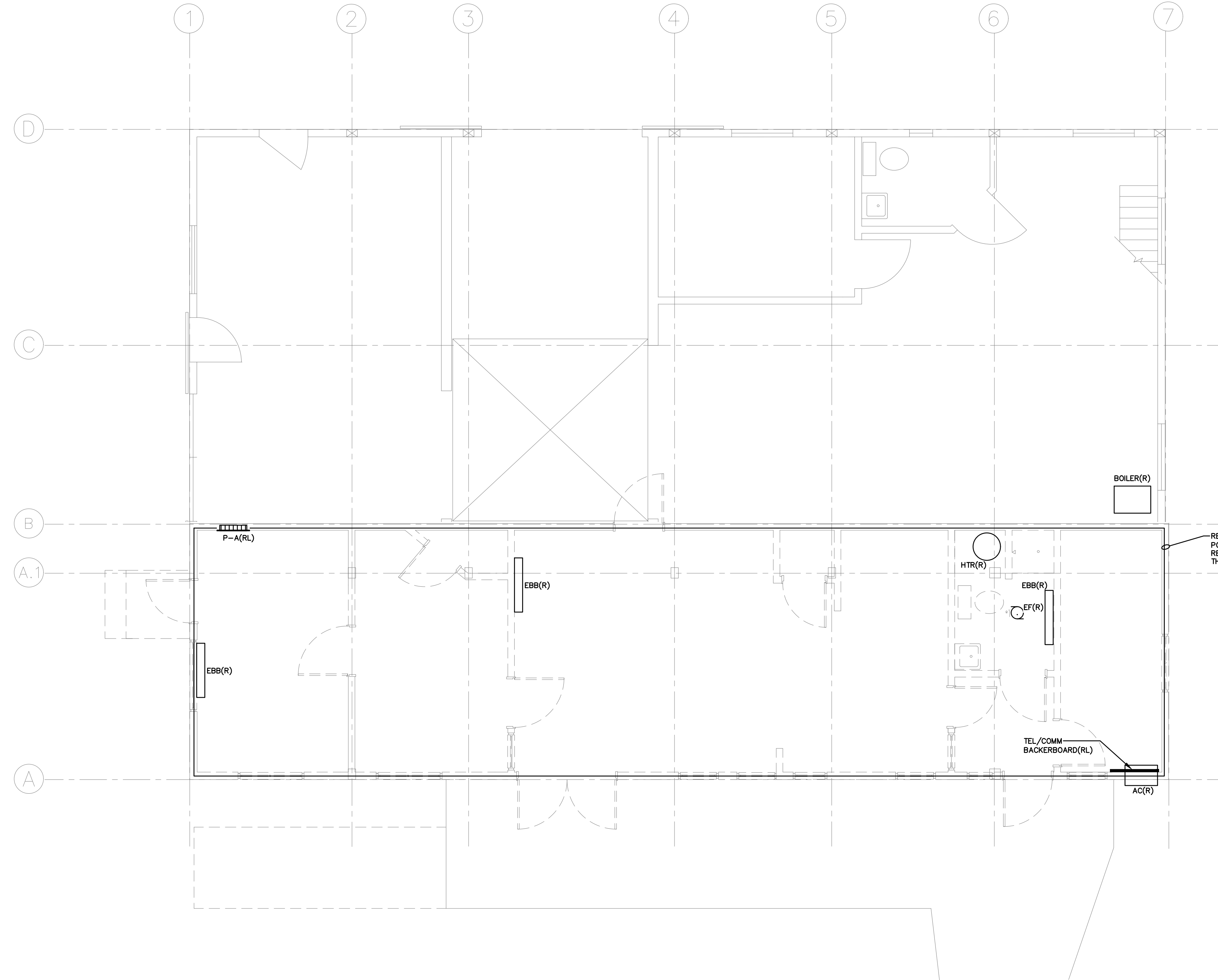
M204

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ELECTRICAL DEMOLITION GENERAL NOTES

1. REMOVE EXISTING WIRING FROM REMOVED MECHANICAL EQUIPMENT BACK TO PANELBOARD, COORDINATE WITH MECHANICAL CONTRACTOR. IF REQUIRED, MAINTAIN CIRCUIT FOR OTHER ELECTRICAL. IF CIRCUIT BREAKER SUPPLIES NO OTHER LOADS, INDICATE AS "SPARE" ON CIRCUIT LIST.
2. REMOVE CONTROL PANELS, STARTERS, DISCONNECTS AND RELATED WIRING FOR ALL ELIMINATED MECHANICAL EQUIPMENT.
3. REMOVE EXISTING FIRE ALARM DEVICES AND WIRING. EXISTING LOCATIONS AND PATHWAYS MAY BE REUSED WHERE FEASIBLE.



GC BID SET

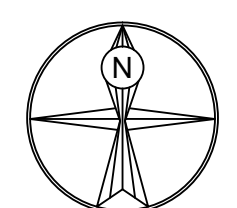
20SEP2024
 REV DATE

REV	DATE

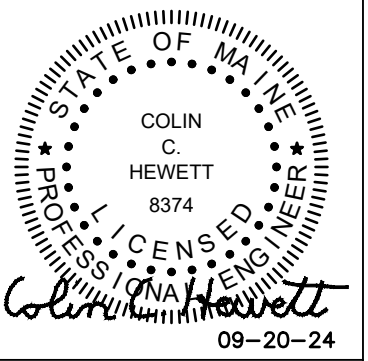
LAMOINE STATE PARK
 LAMOINE, MAINE
**OFFICE RENOVATION
 FIRST FLOOR ELECTRICAL REMOVALS PLAN**

2308.01

E200



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



GC BID SET

20SEP2024
 REV DATE

PANELBOARD NOTES

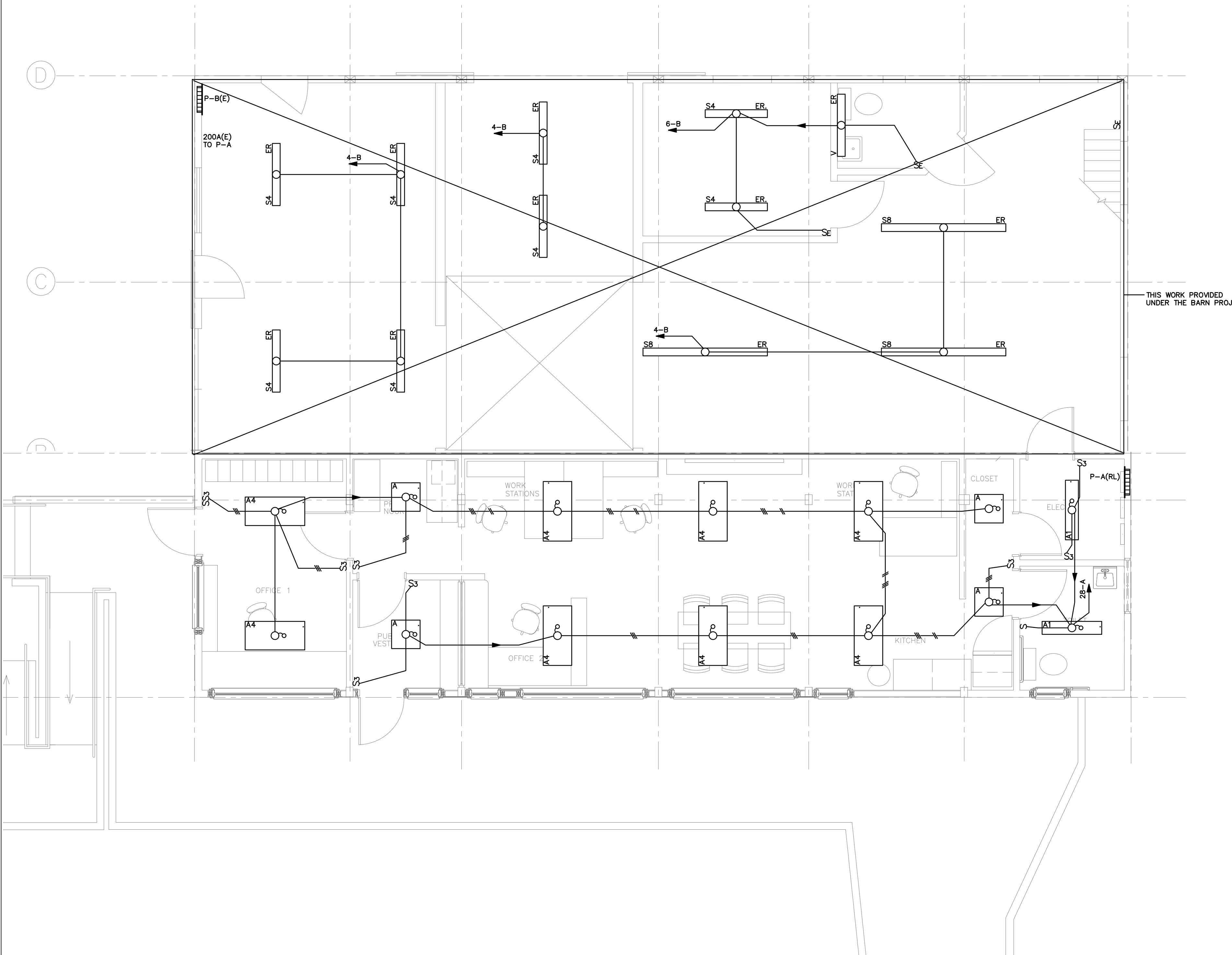
- MAINTAIN EXISTING CIRCUIT BREAKERS UNLESS OTHERWISE NOTED. IF OTHER CIRCUITS ARE UNUSED POST-DEMOLITION, INDICATE AS "SPARE" IN CIRCUIT LIST. VERIFY ALL REMAINING CIRCUITS ARE EXTENDED AND RE-SUPPLIED. CIRCUITING MAY BE ADJUSTED IN FIELD TO BEST ADVANTAGE.
- (A) SUPPLY NEW LOAD WITH EXISTING CIRCUIT BREAKER.
 - (B) PROVIDE NEW CIRCUIT BREAKER AS INDICATED IN EXISTING PROVISION SPACE.
 - (C) REMOVE EXISTING CIRCUIT BREAKER(S) AND PROVIDE NEW AS INDICATED.

GENERAL NOTES

1. THIS PLAN HAS BEEN COMPILED FROM FIELD OBSERVATIONS AND OWNER SUPPLIED DRAWINGS. FIELD VERIFY ALL CONDITIONS AND OBSERVE NECESSARY SAFETY PRECAUTIONS BEFORE DOING ANY WORK.
2. RUN SURFACE WIRING AS INCONSPICUOUS AS POSSIBLE, IN WALL AND CEILING CORNERS WHERE POSSIBLE, AS INDICATED.
3. DEVICES WITH CONTINUOUS LINETYPE ——— INDICATE NEW UNLESS OTHERWISE INDICATED.
4. DEVICES WITH DASHED LINETYPE - - - - - INDICATE EXISTING TO REMAIN UNLESS OTHERWISE INDICATED.
5. DEVICES WITH HIDDEN LINETYPE INDICATE REMOVE UNLESS OTHERWISE INDICATED.
6. IN EVENT ANY UNSAFE WIRING IS ENCOUNTERED, IMMEDIATELY NOTIFY ENGINEER FOR CORRECTIVE ACTION.
7. EXISTING CONDUIT MAY BE RE-USED WHERE POSSIBLE.

PANEL SCHEDULE

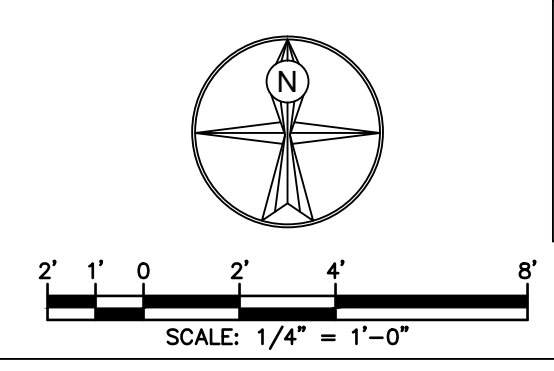
PANEL ID		TYPE: -	AMPS: -	MAIN: -	MOUNTING: -	VOLTS L-L: 240	PHASE: 1											
P-A		LOCATION: -				VOLTS L-G: 120	WIRE: 3											
BRKR	DESCRIPTION	CIR VA	WIRE FT	CIR NO.	LOAD	CIR NO.	WIRE FT	CIR VA	DESCRIPTION	BRKR								
A	P				A	B				P	A							
-	1	0	0	1	0		2	0	-	1	-							
-	1	0	0	3	0		4	0	-	1	-							
-	2	0	0	5	2250		6	H	2250	HTR-1	2	30						
-	-	0	0	7		2250	8	H	2250	-	-	-						
(C)	20	1	RECP - OFFICE 1, VEST	1000	R	9	1405		10	H	405	BASEMENT HEAT TRACE	1	20G				
(A)	20	1	RECP - KITCHEN	400	R	11		400	12	0	0	-	1	-				
(C)	20	1	RECP - COPIER	1000	R	13	1000		14	0	0	-	2	-				
(C)	20	1	RECP - PRINTER COUNTER	600	R	15		600	16	0	0	-	-	-				
(C)	20	1	RECP - WORK STATIONS 1,2	800	R	17	800		18	0	0	-	2	-				
(C)	15	1	EDH-1	996	H	19		996	20	0	0	-	-	-				
(C)	20	1	RECP-OFFICE 2, BRK TBLE	1200	R	21	1200		22	0	0	-	2	-				
(B)	20	1	RECP - WORK STATION 3	1000	R	23		1000	24	0	0	-	-	-				
(B)	20	1	RECP - IT, RR, LK DETECT	1000	R	25	1000		26	0	0	-	1	20				
(B)	15	1	HRU-1	720	H	27		1140	28	L	420	LTG - OFFC, RR, IT, VEST	1	20				
(B)	20	1	EF-1	35	M	29	1035		30	H	1000	EH-1	1	20				
(B)	15	1	ATC CONTROLS	400	O	31		800	32	O	400	ATC CONTROLS	1	15				
(B)	15	2	DSS - 1, 2, 3	236	M	33	1861		34	H	1625	EBB1B - BRK TBL, RR	2	20				
(B)	-	-	-	236	M	35		1861	36	H	1625	-	-	-				
(B)	20	2	EBB1B-8 - OFFICE 2	1250	H	37	5570		38	M	4320	ACCU-1	2	40				
(B)	-	-	-	1250	H	39		5570	40	M	4320	-	-	-				
PHASE TOTALS		16121		14617														
CONNECTED VA : 30738		CONNECTED AMPS : 128																
CIRCUIT TYPE (CODE):												LIGHTS (L)	RECEPTACLE (R)	MOTOR (M)	HEAT (H)	OTHER (O)	SPARE (S)	DISTRIB (D)



LAMOINE STATE PARK
 LAMOINE, MAINE
 OFFICE RENOVATION
 FIRST FLOOR LIGHTING PLAN

2308.01

E201



GENERAL NOTES

1. THIS PLAN HAS BEEN COMPILED FROM FIELD OBSERVATIONS AND OWNER SUPPLIED DRAWINGS. FIELD VERIFY ALL CONDITIONS AND OBSERVE NECESSARY SAFETY PRECAUTIONS BEFORE DOING ANY WORK.
2. RUN SURFACE WIRING AS INCONSPICUOUS AS POSSIBLE, IN WALL AND CEILING CORNERS WHERE POSSIBLE, AS INDICATED.
3. DEVICES WITH CONTINUOUS LINETYPE ——— INDICATE NEW UNLESS OTHERWISE INDICATED.
4. DEVICES WITH DASHED LINETYPE - - - - - INDICATE EXISTING TO REMAIN UNLESS OTHERWISE INDICATED.
5. DEVICES WITH HIDDEN LINETYPE - - - - - INDICATE REMOVE UNLESS OTHERWISE INDICATED.
6. IN EVENT ANY UNSAFE WRING IS ENCOUNTERED, IMMEDIATELY NOTIFY ENGINEER FOR CORRECTIVE ACTION.
7. EXISTING CONDUIT MAY BE RE-USED WHERE POSSIBLE.

KEYED NOTES

- (A) PROVIDE CARD READER AND ELECTRIC STRIKE AT THIS LOCATION UNDER BASE BID.
- (B) PROVIDE CARD READER AND ELECTRIC STRIKE AT THIS LOCATION UNDER ALTERNATE #2.

Hewett & Whitney
 ENGINEERS & DESIGNERS
 ELECTRICAL & MECHANICAL SYSTEMS
 161 MAIN STREET WINTHROP, MAINE
 Tel 207•377•6969 Fax 207•377•7584
 PLOT DATE: Sep 19, 2024

LMA
 LEWIS & MALM
 ARCHITECTURE
 EST. 1983

STATE OF MAINE
 COLIN C. HEWETT
 8374
 LICENSED ENGINEER
 09-20-24

GC BID SET

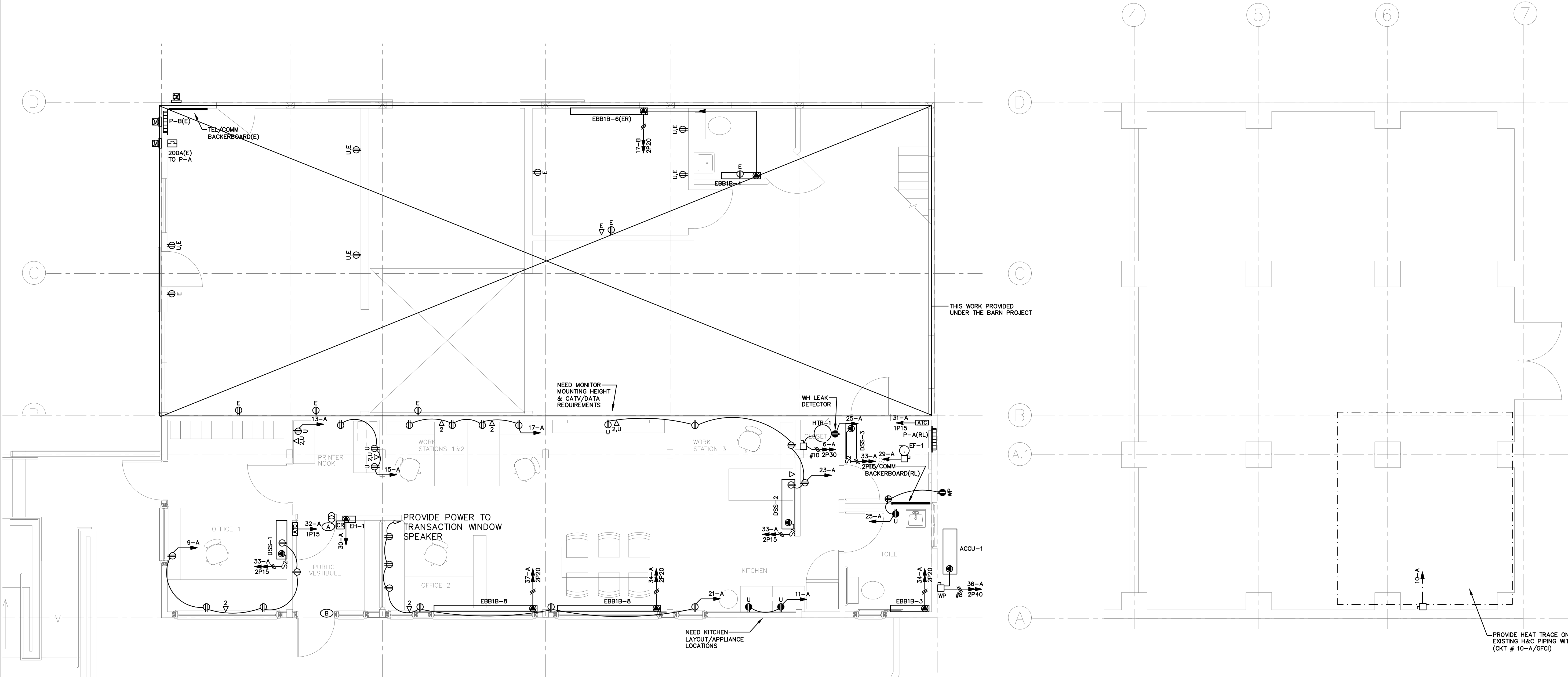
20SEP2024
 REV DATE

REV	DATE

LAMOINE STATE PARK
 LAMOINE, MAINE
**OFFICE RENOVATION
 FIRST FLOOR POWER & SYSTEMS PLAN**

2308.01

E202



BASEMENT PLUMBING REMOVALS PLAN

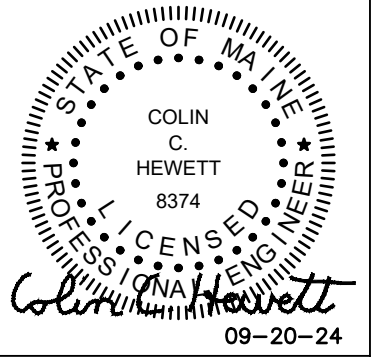
North arrow pointing up.

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

Graphic scale bar showing 0, 2, 4, 8 feet.

GENERAL NOTES

1. THIS PLAN HAS BEEN COMPILED FROM FIELD OBSERVATIONS AND OWNER SUPPLIED DRAWINGS. FIELD VERIFY ALL CONDITIONS AND OBSERVE NECESSARY SAFETY PRECAUTIONS BEFORE DOING ANY WORK.
2. RUN SURFACE WIRING AS INCONSPICUOUS AS POSSIBLE, IN WALL AND CEILING CORNERS WHERE POSSIBLE, AS INDICATED.
3. DEVICES WITH CONTINUOUS LINETYPE _____ INDICATE NEW UNLESS OTHERWISE INDICATED.
4. DEVICES WITH DASHED LINETYPE - - - - - INDICATE EXISTING TO REMAIN UNLESS OTHERWISE INDICATED.
5. DEVICES WITH HIDDEN LINETYPE - - - - - INDICATE REMOVE UNLESS OTHERWISE INDICATED.
6. IN EVENT ANY UNSAFE WIRING IS ENCOUNTERED, IMMEDIATELY NOTIFY ENGINEER FOR CORRECTIVE ACTION.
7. EXISTING CONDUIT MAY BE RE-USED WHERE POSSIBLE.



GC BID SET

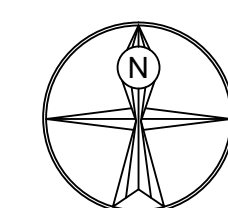
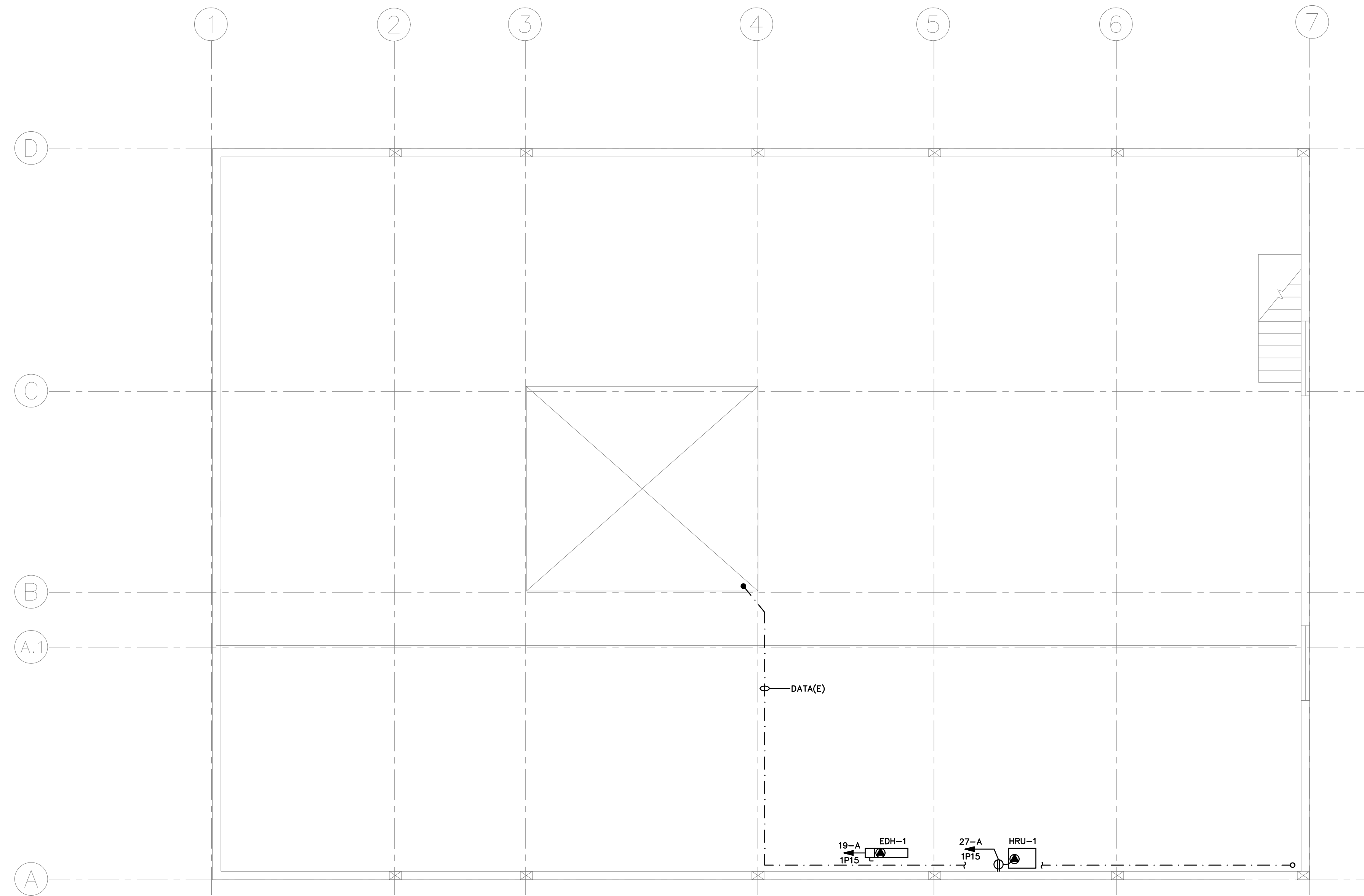
20SEP2024
 REV DATE

REV	DATE

LAMOINE STATE PARK
 LAMOINE, MAINE
 OFFICE RENOVATION
 SECOND FLOOR POWER & SYSTEMS PLAN

2308.01

E203

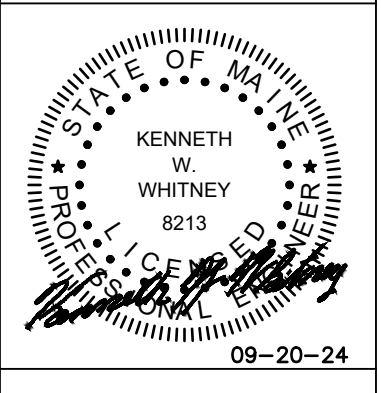


2' 1' 0 2' 4' 8'
 SCALE: 1/4" = 1'-0"

- PLUMBING DEMOLITION NOTES**
 IN GENERAL PLUMBING EQUIPMENT IS TO REMAIN UNLESS NOTED OTHERWISE
- ① REMOVE TOILET
 - ② REMOVE LAVATORY
 - ③ REMOVE SINK
 - ④ REMOVE SHOWER
 - ⑤ REMOVE WATER HEATER
 - ⑥ REMOVE WASTE PIPING AS INDICATED

Hewett & Whitney
 ENGINEERS & DESIGNERS
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 161 MAIN STREET WINTHROP, MAINE
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 ARCHITECTURE
 EST. 1983



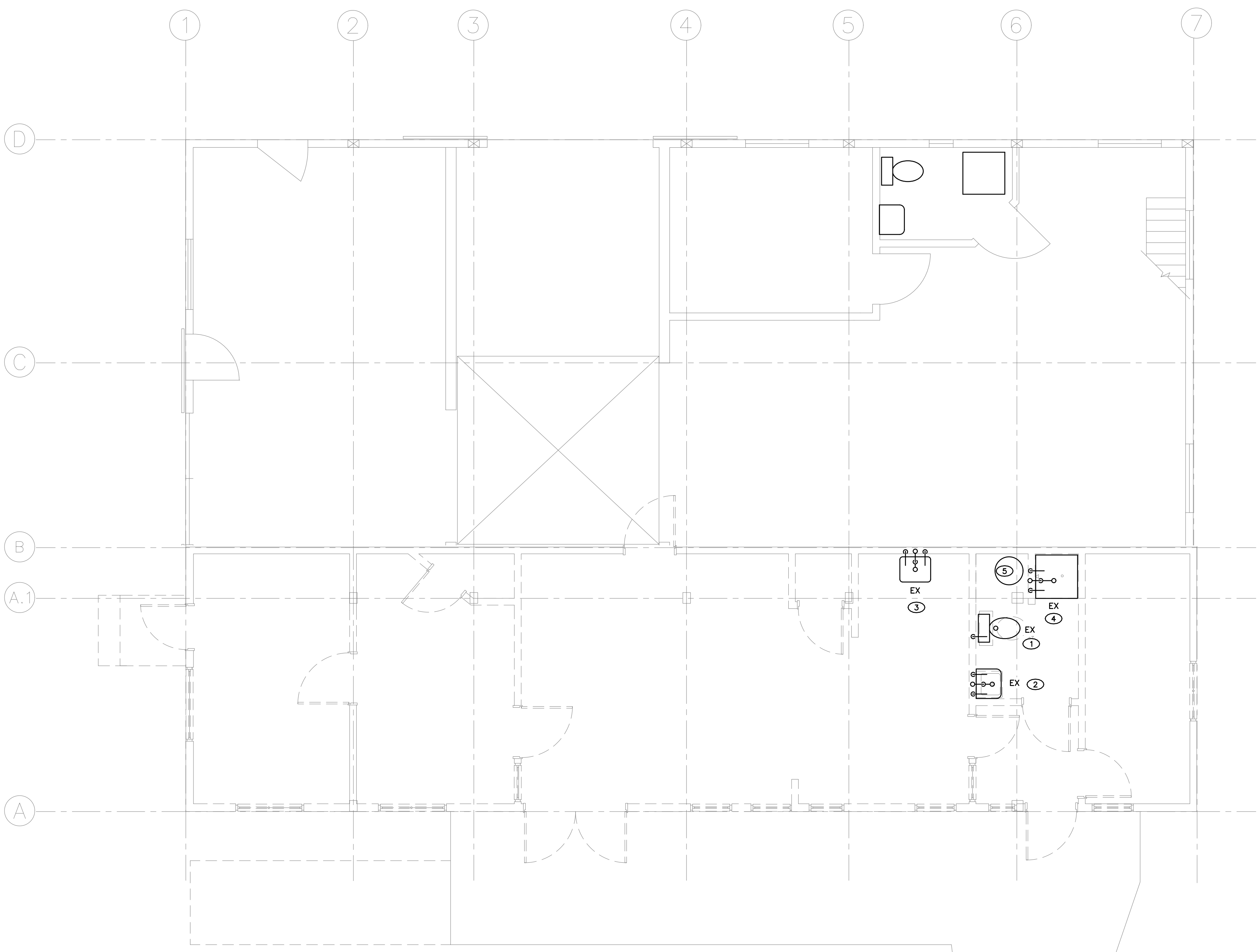
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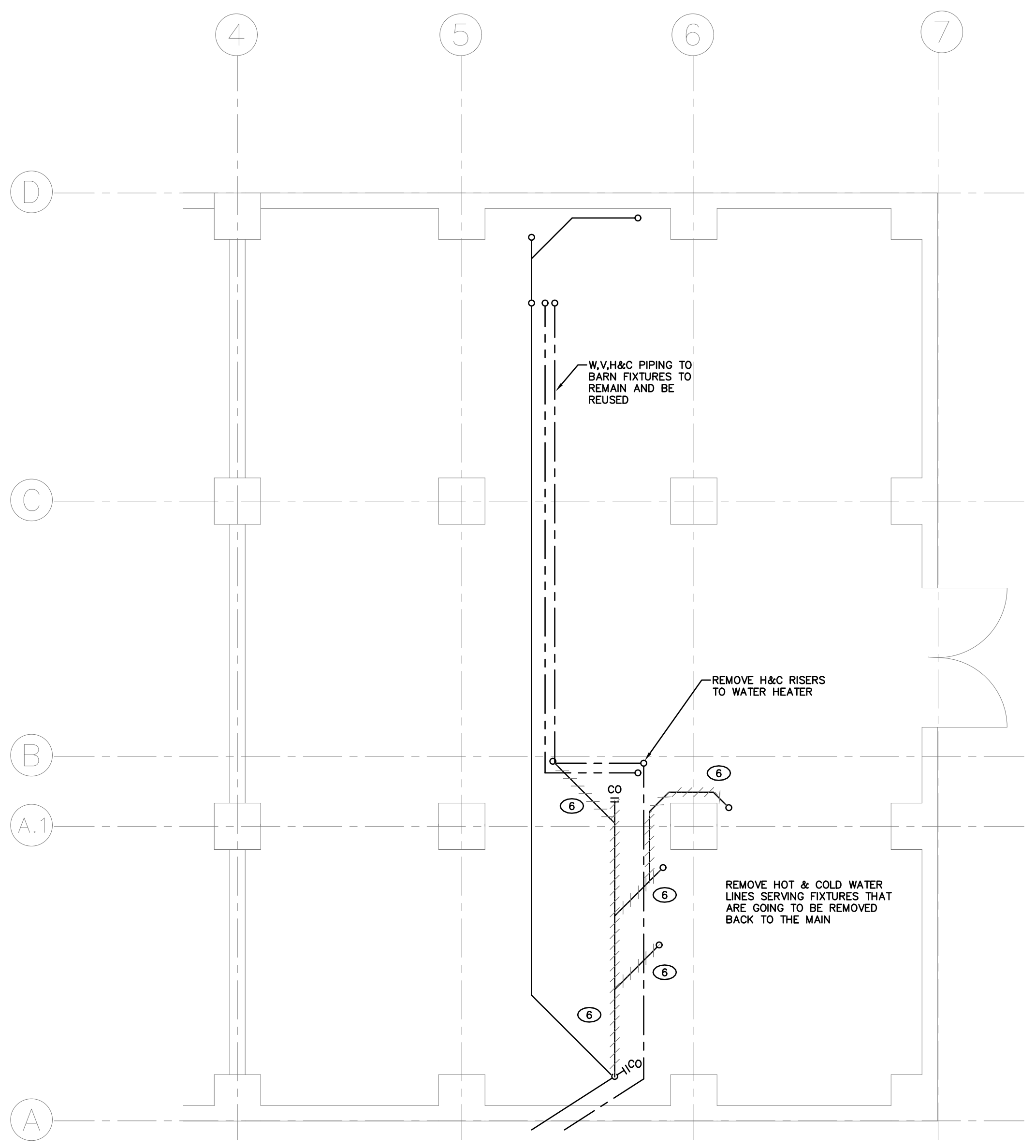
LAMOINE STATE PARK
 LAMOINE MAINE
**OFFICE RENOVATION – PLUMBING
 BASEMENT & FIRST FLOOR REMOVALS PLANS**

2308.01

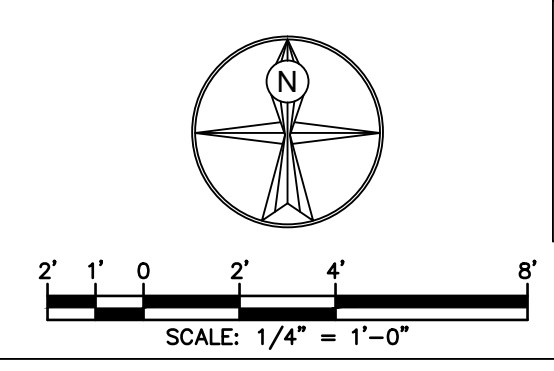
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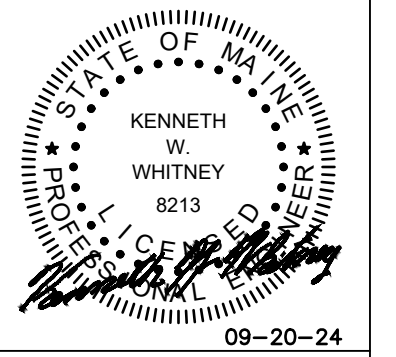


FIRST FLOOR PLUMBING REMOVALS PLAN
 SCALE: 1/4" = 1'-0"



BASEMENT PLUMBING REMOVALS PLAN
 SCALE: 1/4" = 1'-0"





GC BID SET

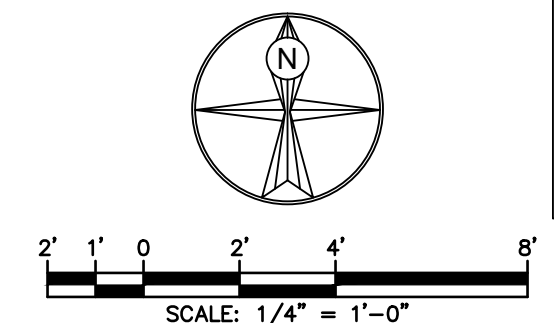
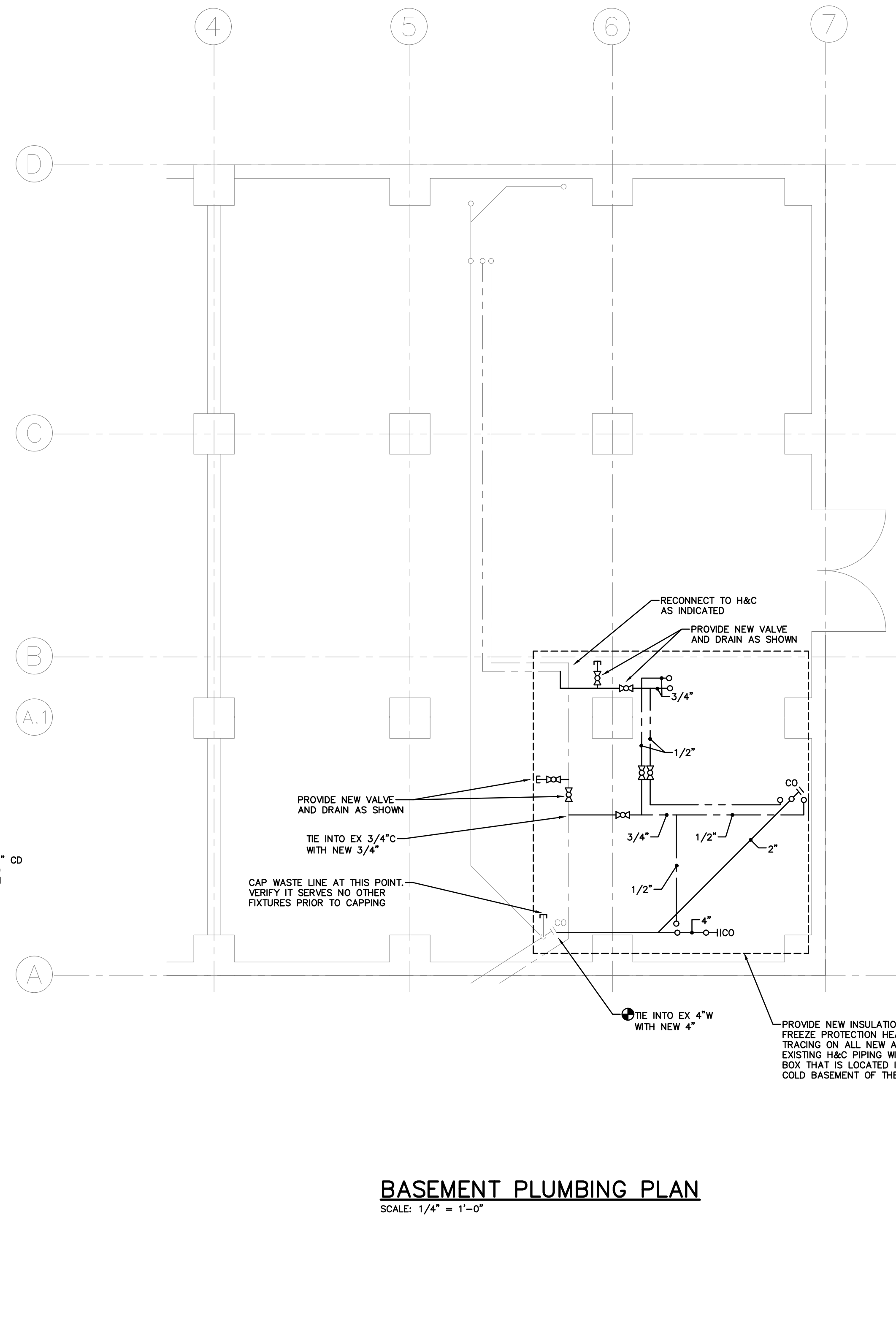
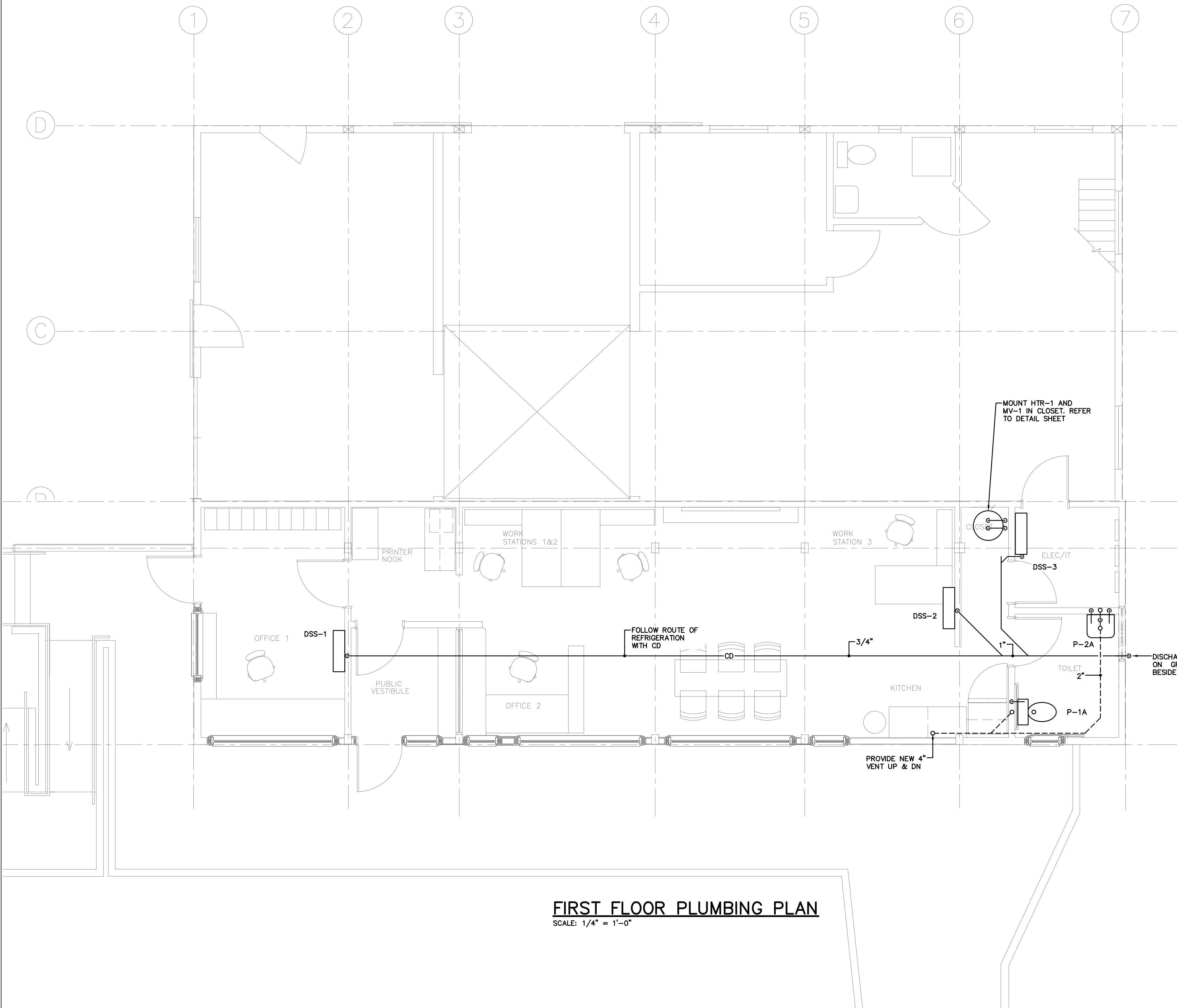
20SEP2024
 REV DATE

REV	DATE

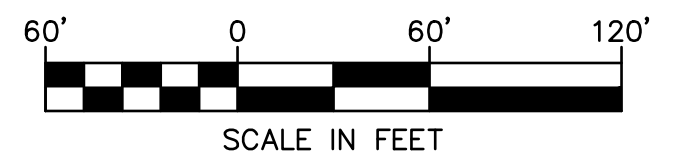
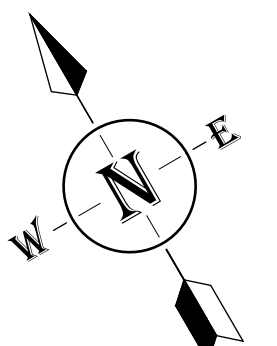
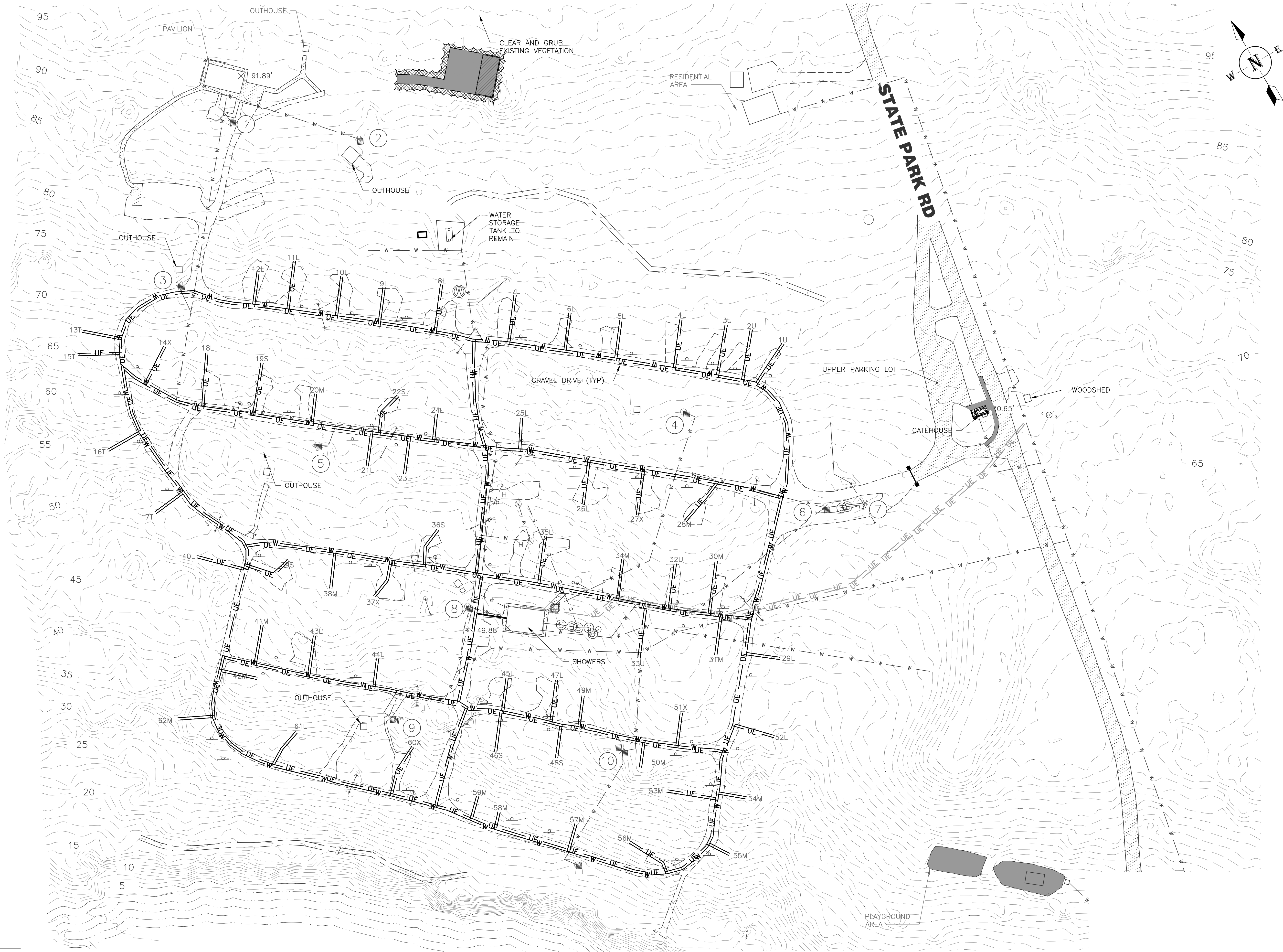
LAMOINE STATE PARK
 LAMOINE MAINE
 OFFICE RENOVATION
 FIRST FLOOR & BASEMENT PLUMBING PLANS

2308.01

P202



NOT FOR CONSTRUCTION
GC BID SET



REVISIONS	REVISION DESCRIPTION	DATE	NUMBER	BY

STATE OF MAINE
BUREAU OF PARKS &
LANDS

106 HOGAN RD.,
SUITE 7
BANGOR, ME 04401

2308.01
LAMOINE
STATE PARK
BGS 3519

611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

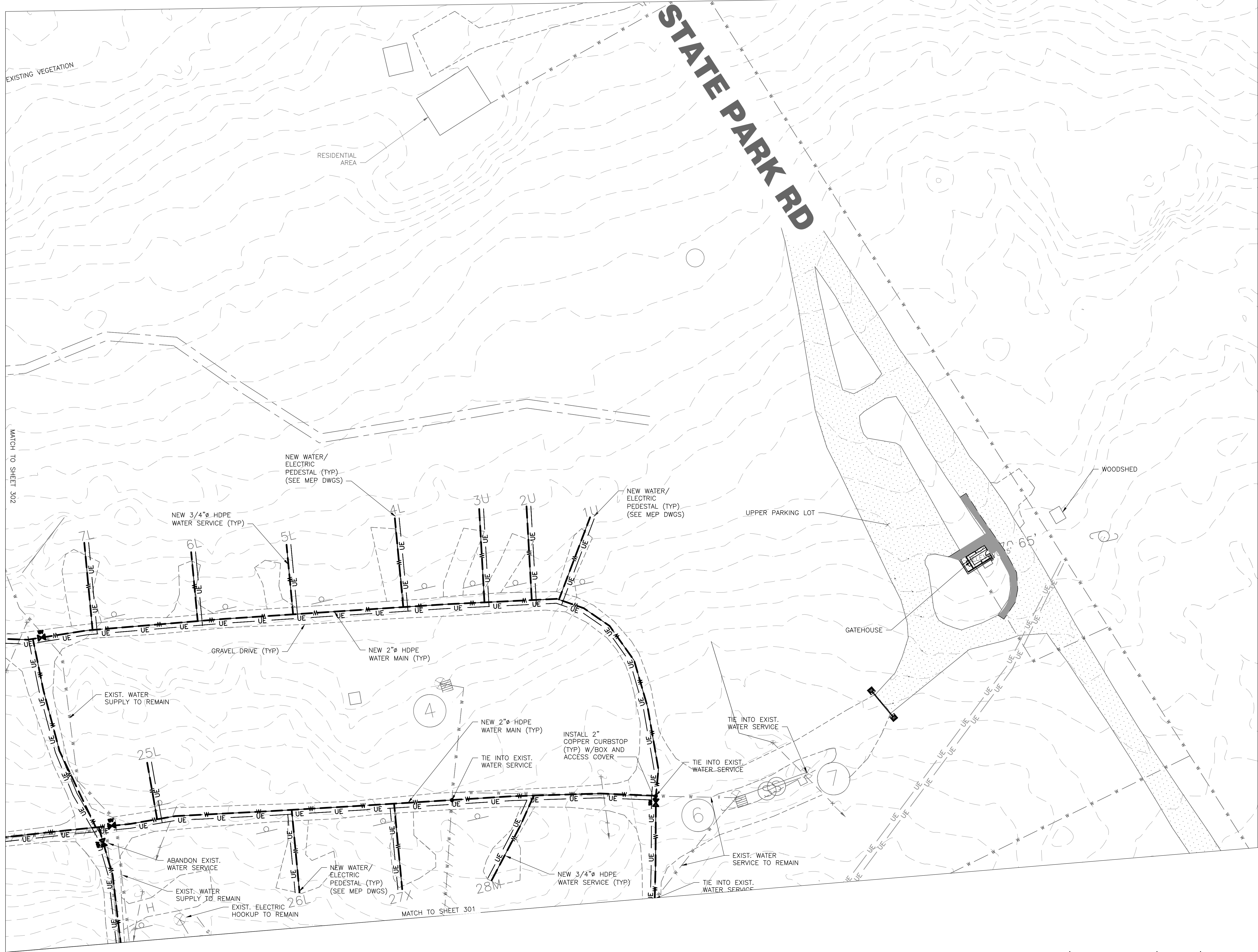
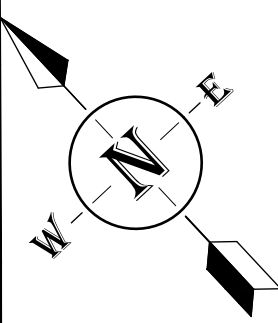
SHEET TITLE:
PROJECT 3A
CAMPSITE
INFRASTRUCTURE
UPGRADES EXISTING
CONDITIONS

D&K PROJECT # 229287	PROJ. ENG. JSK
DRAWN BY EBS	CHECKED BY JSK

DATE
20SEPT2024
SHEET NUMBER

C300

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REVISIONS	REVISION DESCRIPTION	DATE	NUMBER	BY

STATE OF MAINE
BUREAU OF PARKS & LANDS
106 HOGAN RD., SUITE 7
BANGOR, ME 04401

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LAMOINE
STATE PARK
BGS 3519

611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

SHEET TITLE:
PROJECT 3A
CAMPSITE
INFRASTRUCTURE
UPGRADES
WATER PLAN

D&K PROJECT # 229287
PROJ. ENG. JSK

DRAWN BY EBS
CHECKED BY JSK

DATE 20SEPT2024

SHEET NUMBER

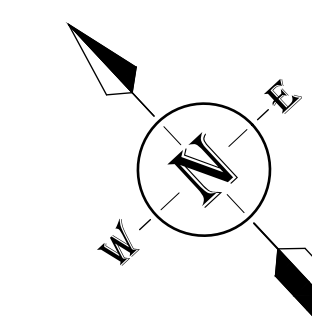
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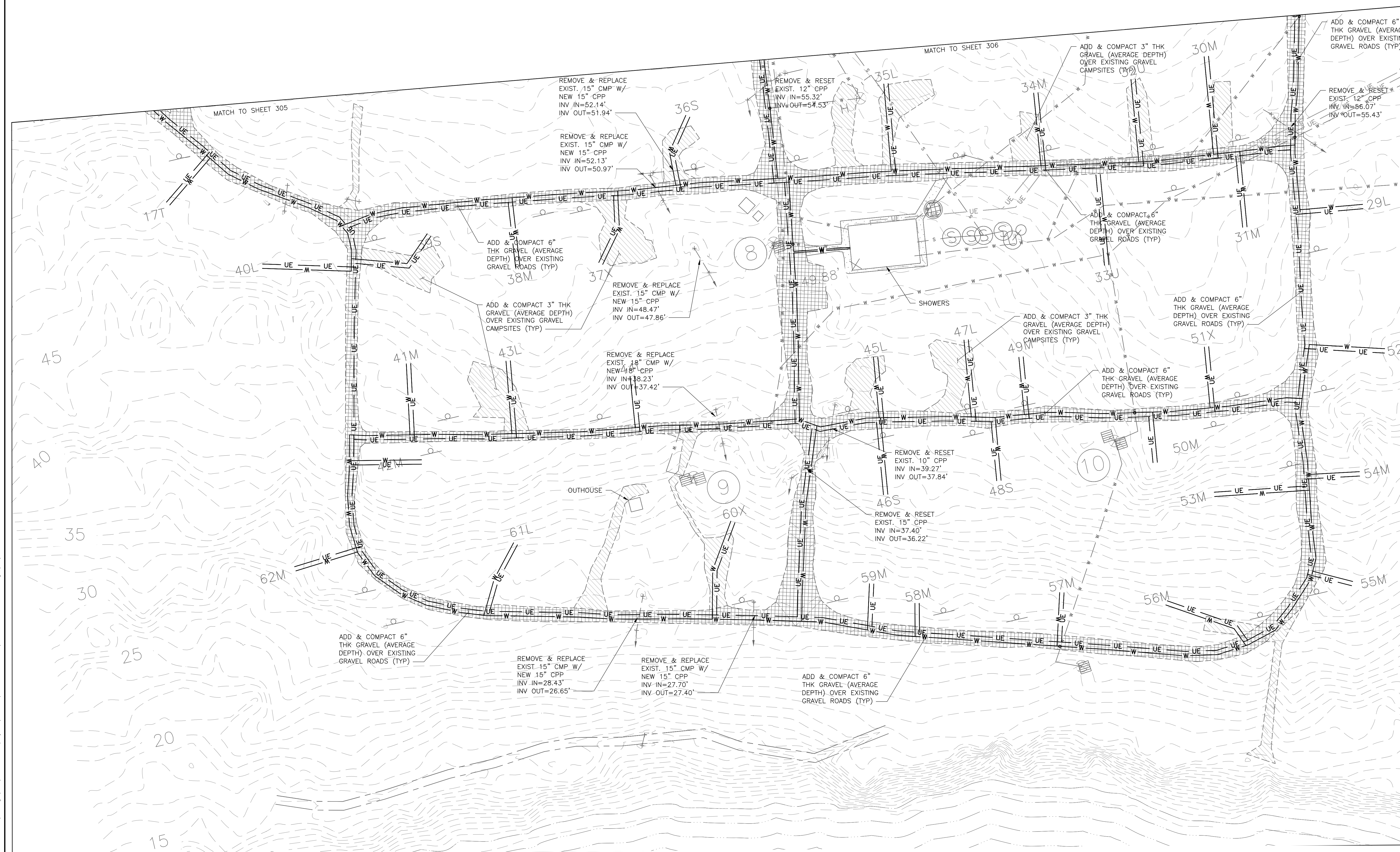
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NOTES

1. SITE CONTRACTOR SHALL CARRY 1750 CY OF AGGREGATE FOR GRAVEL DRIVES AND CAMPSITES IN THE BASE BID. MEASUREMENT AND PAYMENT FOR AGGREGATE FOR GRAVEL DRIVES AND CAMPSITES WILL BE DETERMINED ACCORDING TO SPECIFICATION 01 1500 MEASUREMENT AND PAYMENT.



NOT FOR CONSTRUCTION GC BID SET



REVISIONS	REVISION DESCRIPTION	DATE	BY

STATE OF MAINE
BUREAU OF PARKS & LANDS
106 HOGAN RD., SUITE 7
BANGOR, ME 04401

2308.01
LAMOINE STATE PARK
BGS 3519
611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

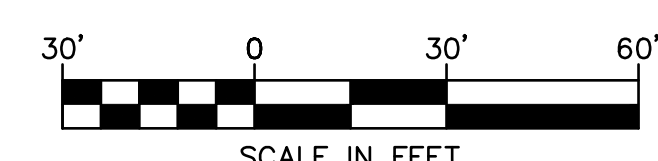
SHEET TITLE:
PROJECT 3A
CAMPSITE INFRASTRUCTURE UPGRADES SITE LAYOUT PLAN

D&K PROJECT #	PROJ. ENG.
229287	JSK
DRAWN BY	CHECKED BY
EBS	JSK

DATE: 20SEPT2024
SHEET NUMBER

C304

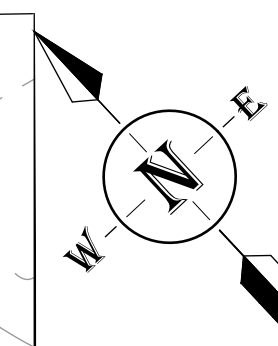
SHEET: 11 of 20



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NOTES

1. SITE CONTRACTOR SHALL CARRY 1750 CY OF AGGREGATE FOR GRAVEL DRIVES AND CAMPSITES IN THE BASE BID. MEASUREMENT AND PAYMENT FOR AGGREGATE FOR GRAVEL DRIVES AND CAMPSITES WILL BE DETERMINED ACCORDING TO SPECIFICATION 01 1500 MEASUREMENT AND PAYMENT.



NOT FOR CONSTRUCTION GC BID SET

REVISIONS	REVISION DESCRIPTION	DATE	NUMBER	BY

STATE OF MAINE
 BUREAU OF PARKS & LANDS
 106 HOGAN RD., SUITE 7
 BANGOR, ME 04401

2308.01
 LAMOINE STATE PARK
 BGS 3519
 611 LAMOINE BEACH RD.
 LAMOINE BEACH, ME 04605

SHEET TITLE:
 PROJECT 3A
 CAMPSITE INFRASTRUCTURE UPGRADES SITE LAYOUT PLAN

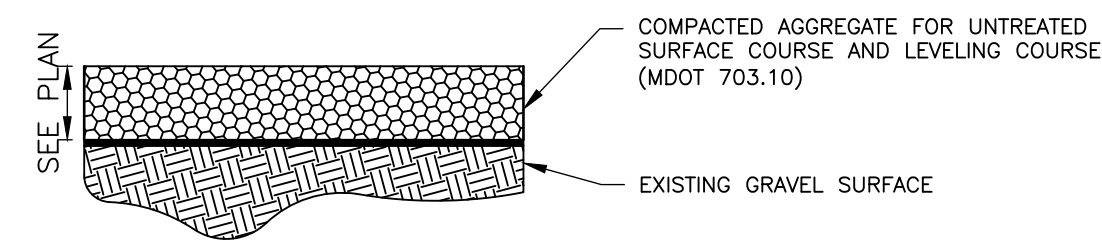
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229287	JSK
DRAWN BY	CHECKED BY
EBS	JSK

DATE: 20SEPT2024
 SHEET NUMBER

C306

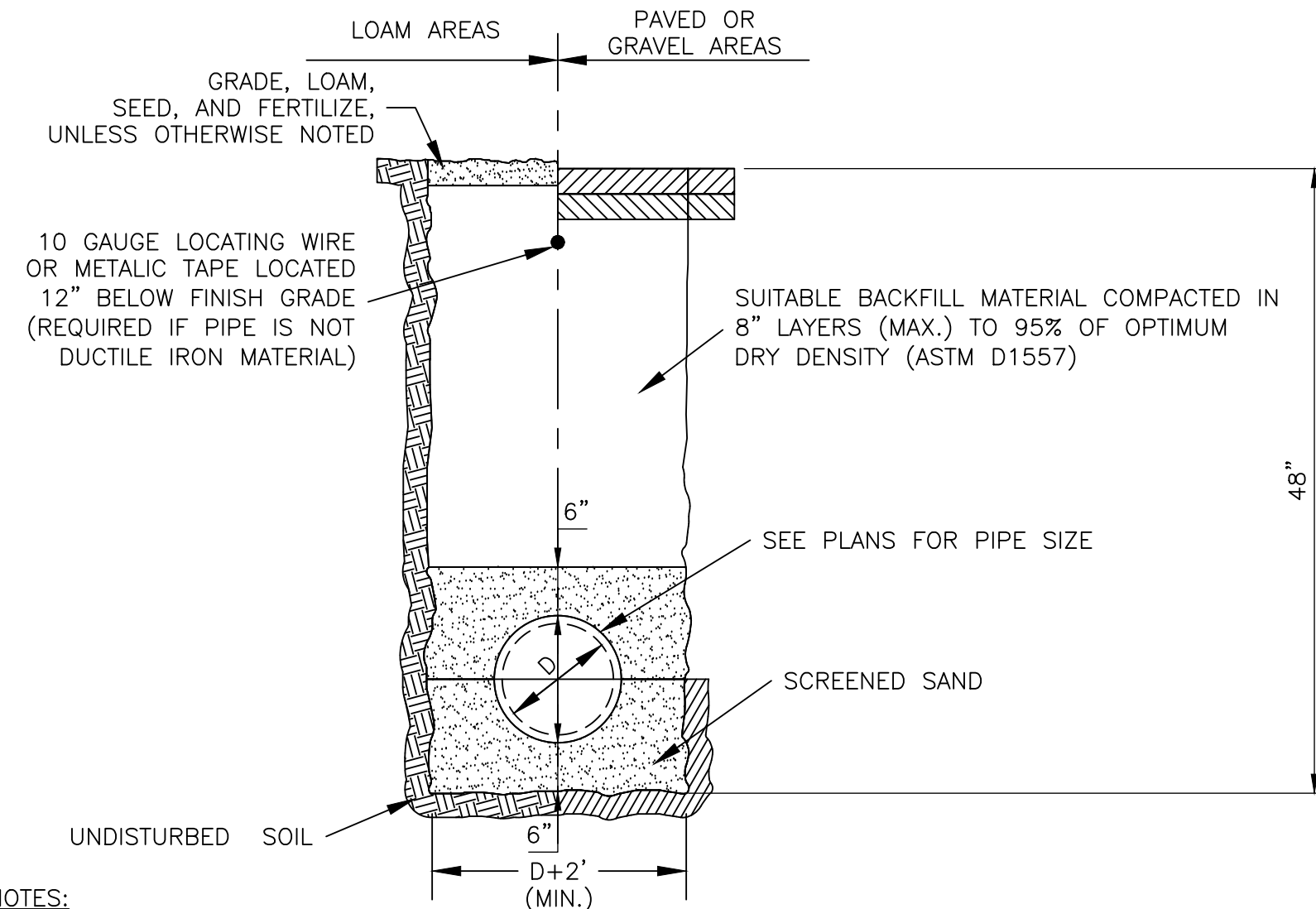


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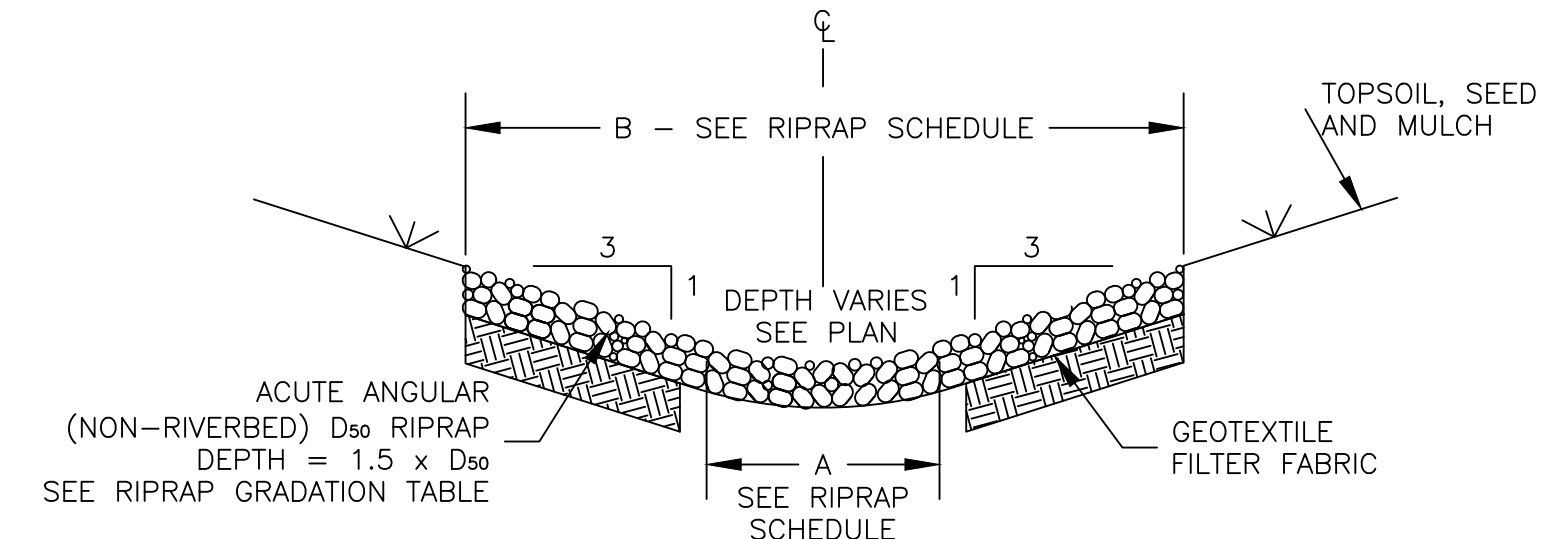
GRAVEL SURFACE SECTION
NOT TO SCALE

NOTES:
1. FINE-GRADE AND PROVIDE POSITIVE SLOPE TO EXISTING STORMWATER DRAINAGE CULVERTS, DITCHES AND SWALES.



NOTES:
1. ALL MATERIALS SHALL MEET APPLICABLE AWWA SPECIFICATIONS
2. ALL EXCAVATION MUST MEET OSHA STANDARDS
3. PIPE SHALL BE BLUE CTS POLYETHYLENE TUBING (SDR 9)
4. ALL WATER MAINS AND SERVICES SHALL MAINTAIN A MINIMUM COVER OF 2'-0".

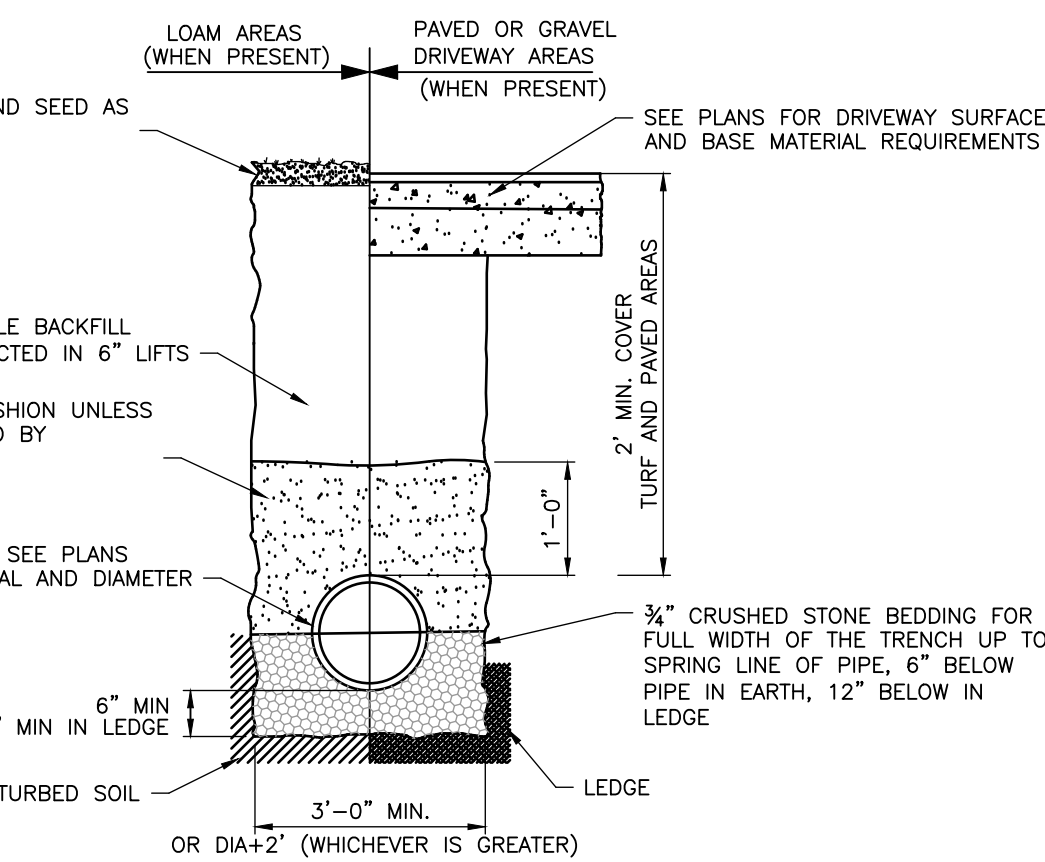
WATER MAIN/SERVICE PIPE TRENCH DETAIL
NOT TO SCALE



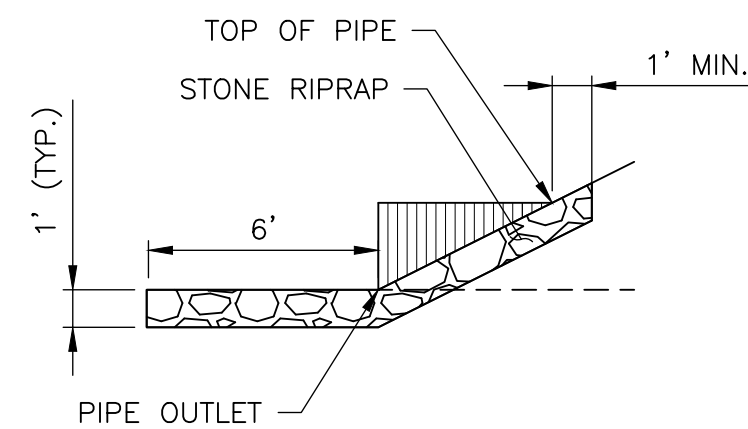
% OF WEIGHT SMALLER THAN GIVEN SIZE	RIPRAP GRADATION TABLE				
	FOR D ₅₀ = 4"	FOR D ₅₀ = 6"	FOR D ₅₀ = 8"	FOR D ₅₀ = 10"	FOR D ₅₀ = 12"
100	6" TO 8"	9" TO 12"	12" TO 18"	15" TO 20"	18" TO 24"
85	5" TO 7"	8" TO 11"	10" TO 14"	13" TO 18"	16" TO 22"
50	4" TO 6"	6" TO 9"	8" TO 12"	10" TO 15"	12" TO 18"
15	1" TO 2"	2" TO 3"	2.5" TO 4"	3" TO 5"	4" TO 6"

RIPRAP SCHEDULE					
LOCATION	LENGTH (FT)	AVERAGE SLOPE (FT/FT)	A	A	D ₅₀
DRAINAGE SWALE "B"	143.50	0.0697	20FT	20FT	SIZE

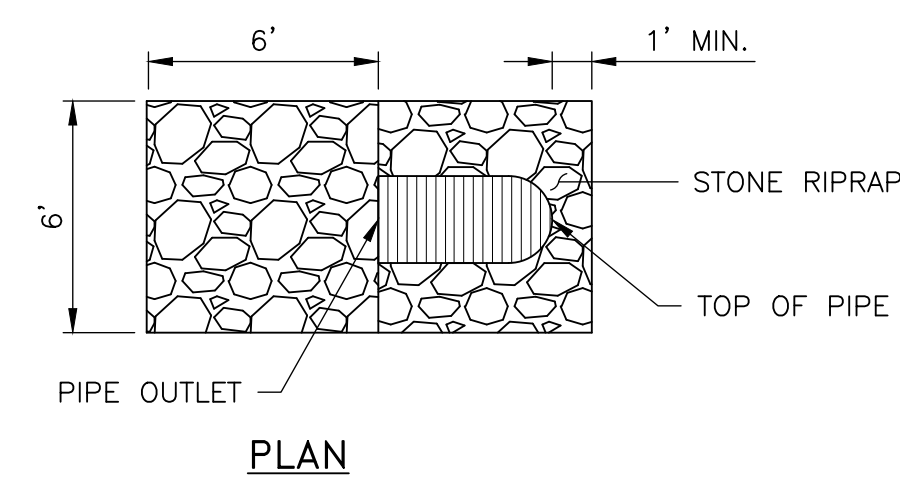
RIPRAP SWALE DETAIL
NOT TO SCALE



TYPICAL DRIVEWAY CULVERT DETAIL
NOT TO SCALE

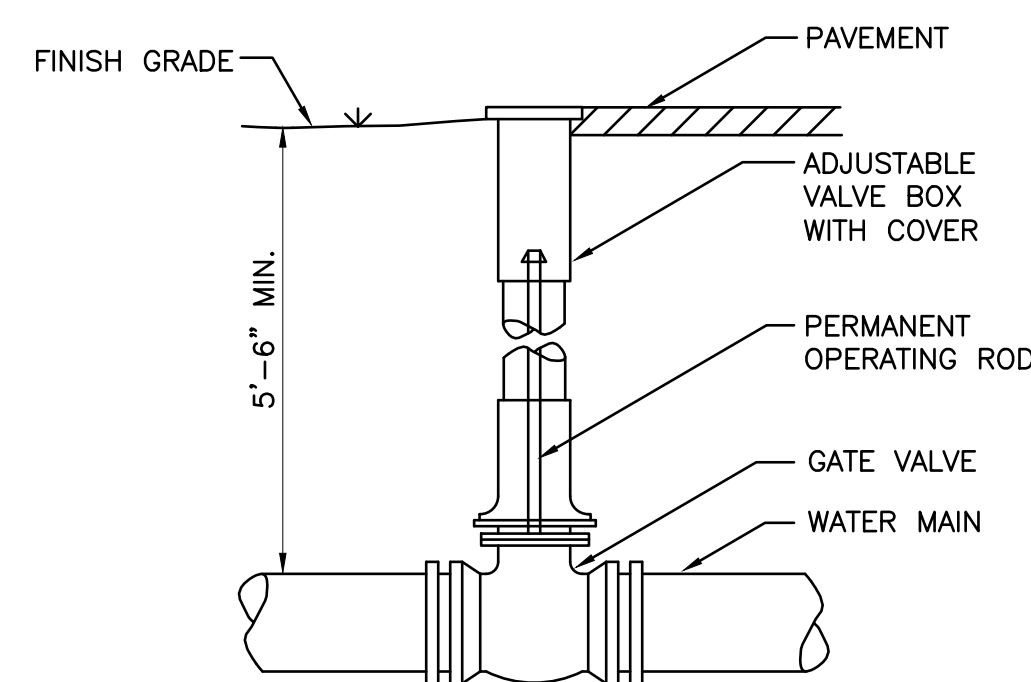


SECTION



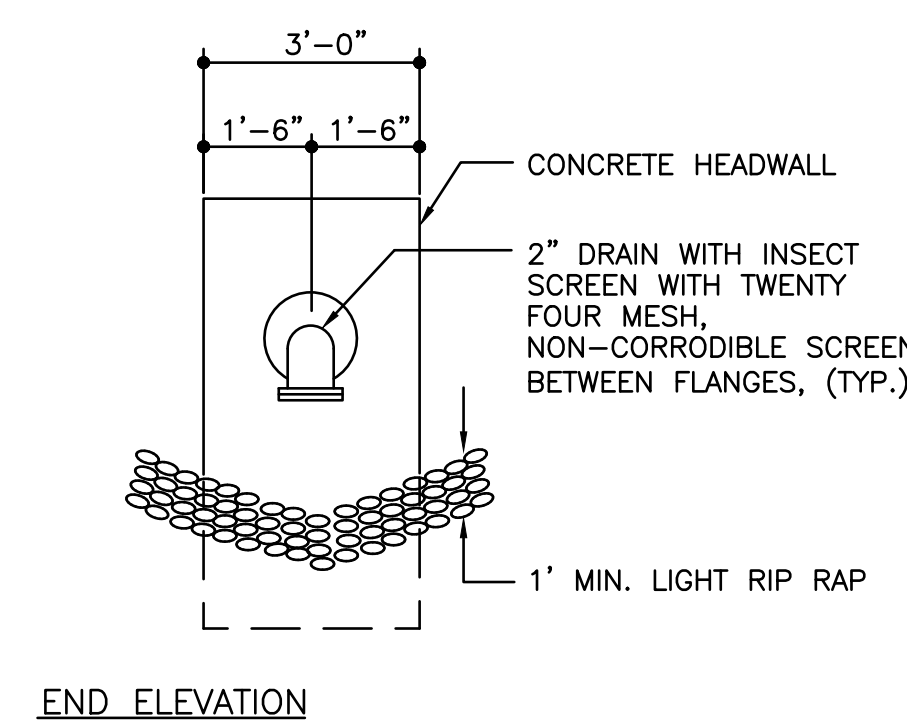
PLAN

CULVERT PIPE END DETAIL
NOT TO SCALE

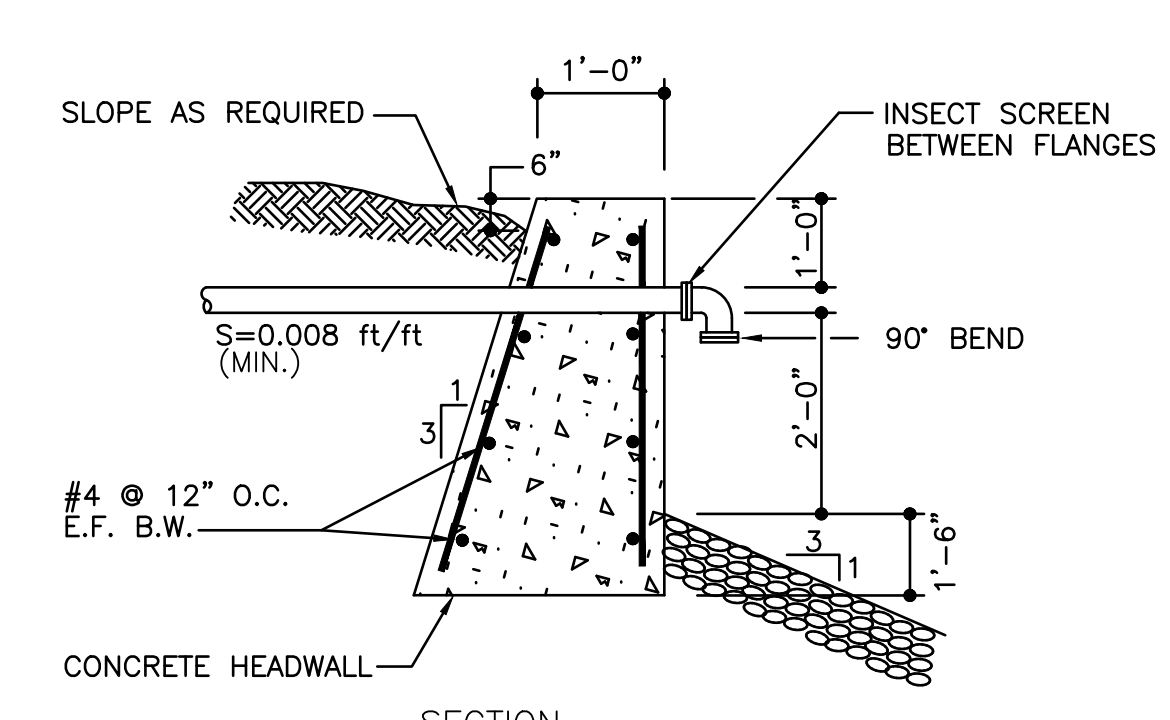


BURIED GATE VALVE DETAIL
NOT TO SCALE

NOTE:
UNLESS OTHERWISE INDICATED ALL GATE VALVES SHALL HAVE PERMANENTLY INSTALLED OPERATING RODS TERMINATING AT LEAST 2'-0" AND NOT MORE THAN 3'-0" BELOW THE TOP OF THE VALVE BOX.



END ELEVATION



SECTION

CONCRETE HEADWALL DETAIL
NOT TO SCALE

REVISIONS	REVISION DESCRIPTION	DATE	NUMBER	BY

STATE OF MAINE
BUREAU OF PARKS & LANDS
106 HOGAN RD., SUITE 7
BANGOR, ME 04401

2308.01
LAMOINE STATE PARK
BGS 3519

611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

SHEET TITLE:
PROJECT 3A
CAMPSITE INFRASTRUCTURE UPGRADES SITE DETAILS

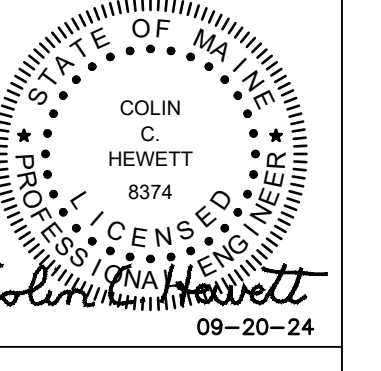
D&K PROJECT # 229287 PROJ. ENG. JSK

DRAWN BY EBS CHECKED BY JSK

DATE 20SEPT2024

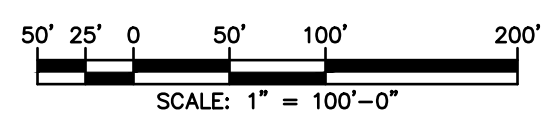
SHEET NUMBER

C307



SITE ELECTRICAL LEGEND

- UTILITY POLE
- Ⓜ HAND HOLE
- ⊙ WELL
- ⊠ TRANSFORMER PAD
- ⊞ DISTRIBUTION PANELBOARD
- UNDERGROUND PRIMARY
- - - UNDERGROUND SECONDARY
- OVERHEAD PRIMARY



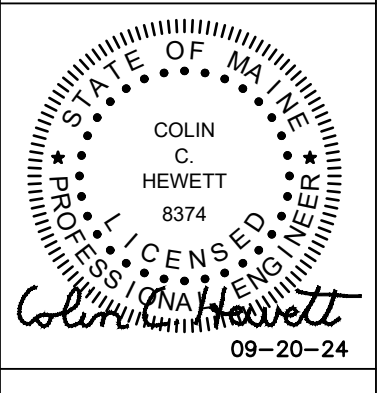
GC BID SET

20SEP2024

REV	DATE

LAMOINE STATE PARK
 LAMOINE, MAINE
ELECTRICAL SITE PLAN

2308.01
 E300



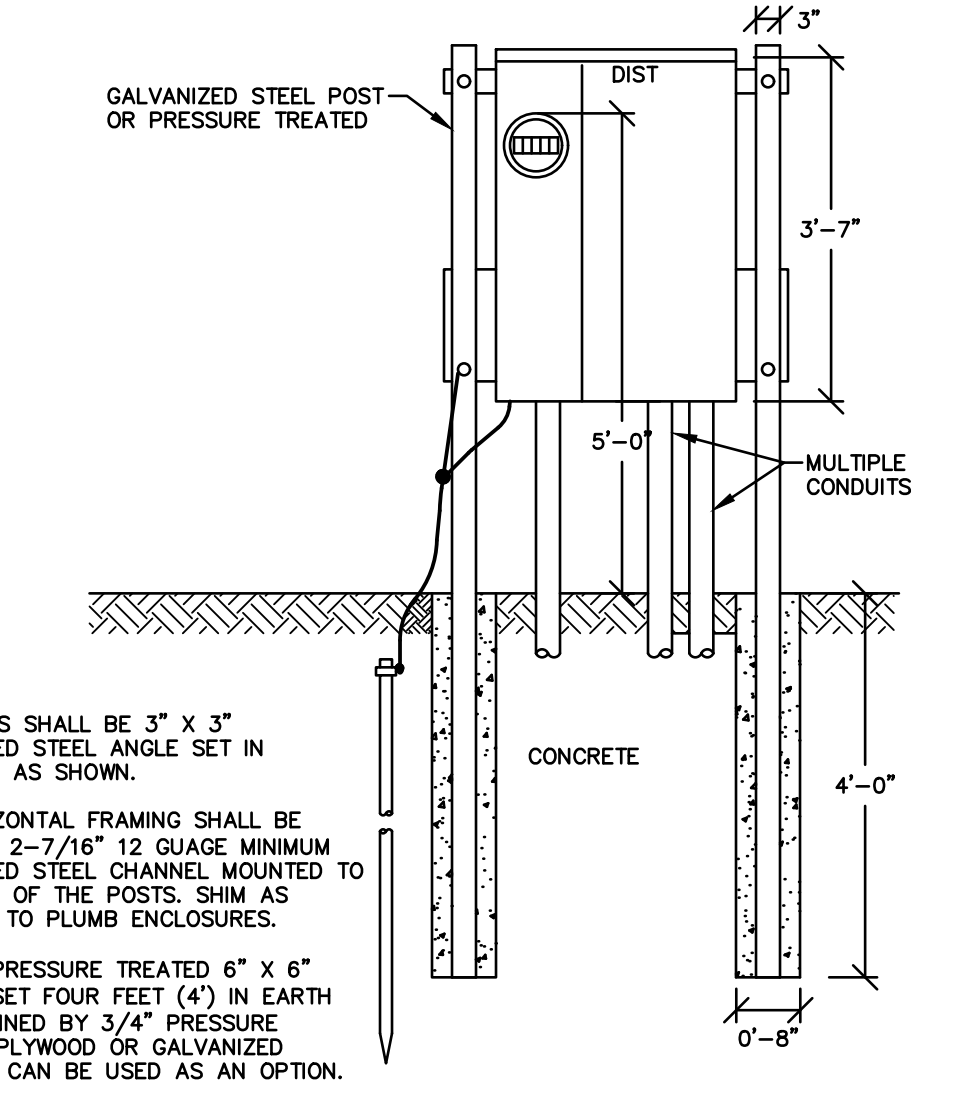
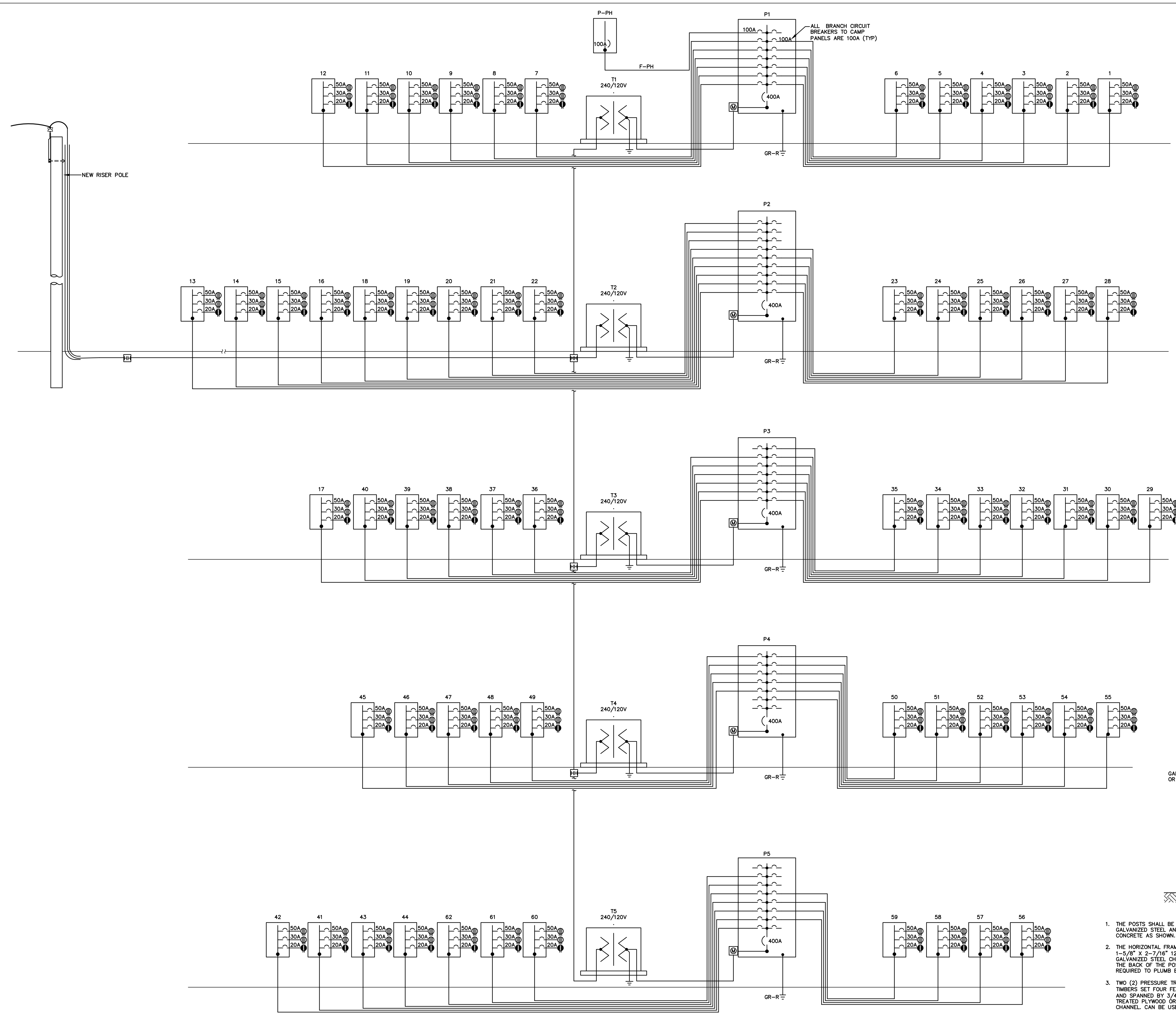
GC BID SET

REV	DATE

LAMOINE STATE PARK
 LAMOINE, MAINE
 SITE ELECTRICAL RISER DIAGRAM

2308.01

E301



1. THE POSTS SHALL BE 3" X 3" GALVANIZED STEEL ANGLE SET IN CONCRETE AS SHOWN.
2. THE HORIZONTAL FRAMING SHALL BE 1-5/8" X 2-7/16" 12 GAUGE MINIMUM GALVANIZED STEEL CHANNEL MOUNTED TO THE BACK OF THE POSTS. SHIM AS REQUIRED TO PLUMB ENCLOSURES.
3. TWO (2) PRESSURE TREATED 6" X 6" TIMBERS SET FOUR FEET (4') IN EARTH AND SPANNED BY 3/4" PRESSURE TREATED PLYWOOD OR GALVANIZED CHANNEL CAN BE USED AS AN OPTION.

METER/PANELBOARD PEDESTAL
 SCALE: 1/2"=1'-0"

SITE ELECTRICAL RISER DIAGRAM
 NO SCALE

PADMOUNT TRANSFORMER SCHEDULE																
TRANSFORMER				OVER CURRENT PROTECT.	PRIMARY 12470V				OVER CURRENT PROTECT.	SECONDARY 240V				REMARKS	NOTES	
ID TAG	KVA	PH	TEMP RATE	ID TAG	NO. WIRES	SIZE WIRE	INSULN	CONDUIT	ID TAG	NO. WIRES	SIZE WIRE	INSULN	CONDUIT			
T1-T5	75	1	-	-	-	-	-	-	400A	-	-	-	-	-		①

TRANSFORMER SCHEDULE NOTES

- ① CLAM SHELL PADMOUNT TRANSFORMER INSTALLED BY VERSANT POWER.

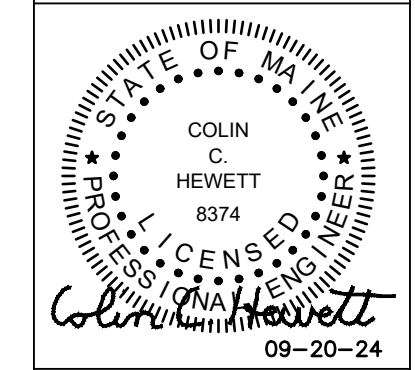
SITE PANELBOARD & FEEDER SCHEDULE															
PANELBOARD			MAINS				OVER CURRENT PROTECT.	SUPPLY FEEDERS (AL)					NOTES		
ID TAG	MOUNT'G	LOCATION	BUS	ENTRY	PHASE	WIRE	VOLTS	SUB/THRU FEED LUGS	ID TAG	NO. WIRES	SIZE WIRE	INSULN		CONDUIT	
CAMPER PNL	SURF	62 LOCATIONS	100A	LUG	1	3	240/120	-	100A	F-CPNL	3	#1/0 #6	XHHW THW	1 1/2"	①
P1-P5	SURF	5 LOCATIONS	400A	CB	1	3	240/120	-	400A	F-P1	3	700MCM #1	XHHW THW	3 1/2"	② ⑤
P-PH	SURF	PUMP HOUSE PANEL	100A	CB	1	3	240/120	-	100A	F-P1	3	#1/0 #6	XHHW THW	1 1/2"	③
GR-R										GR-R	1	#1/0	ANY	3/4"	④

PANELBOARD & MISC EQUIPMENT NOTES

- ① MIDWEST PANELBOARD, BOLT-ON BREAKERS, MINIMUM GUTTERS 5" SIDES AND DEPTH, 8" FEED END, 10,000 A.I.C.
- ② ALL-IN-ONE COMBINATION SERVICE ENTRANCE, BOLT-ON BREAKERS, MINIMUM GUTTERS 8" SIDES AND DEPTH, 12" FEED END, 25,000 A.I.C.
- ③ QO LOADCENTER, SNAP-IN BREAKERS, 10,000 A.I.C.
- ④ 3/4"x10"-0" COPPERWELD GROUND ROD, DRIVE VERTICALLY TO 2'-0" BELOW FINISH GRADE, CADWELD COPPER GROUND CONDUCTOR AND BOND TO SERVICE NEUTRAL.
- ⑤ PROVIDE PER LOCAL UTILITY REQUIREMENTS.

Hewett & Whitney
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161 MAIN STREET WINTHROP, MAINE
Tel 207•377•6969 Fax 207•377•7584
PLOT DATE: Sep 19, 2024

LMA
LEWIS & MALM
ARCHITECTURE
EST. 1983



GC BID SET

REV	DATE

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2308.01

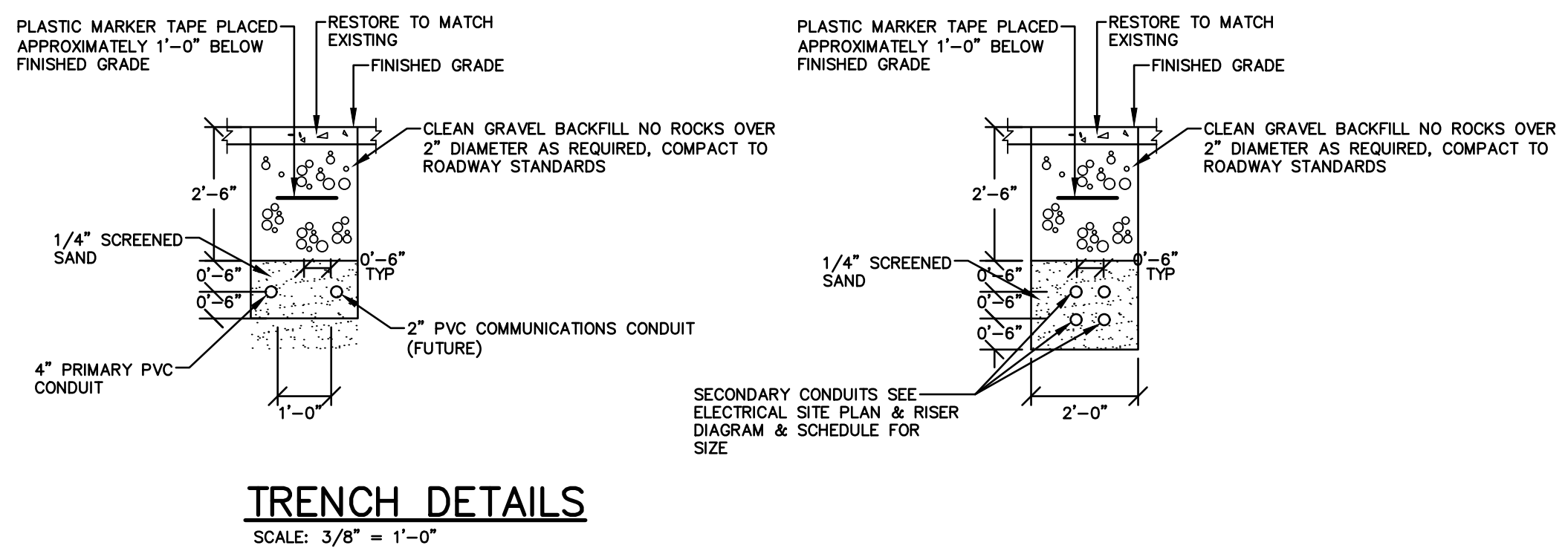
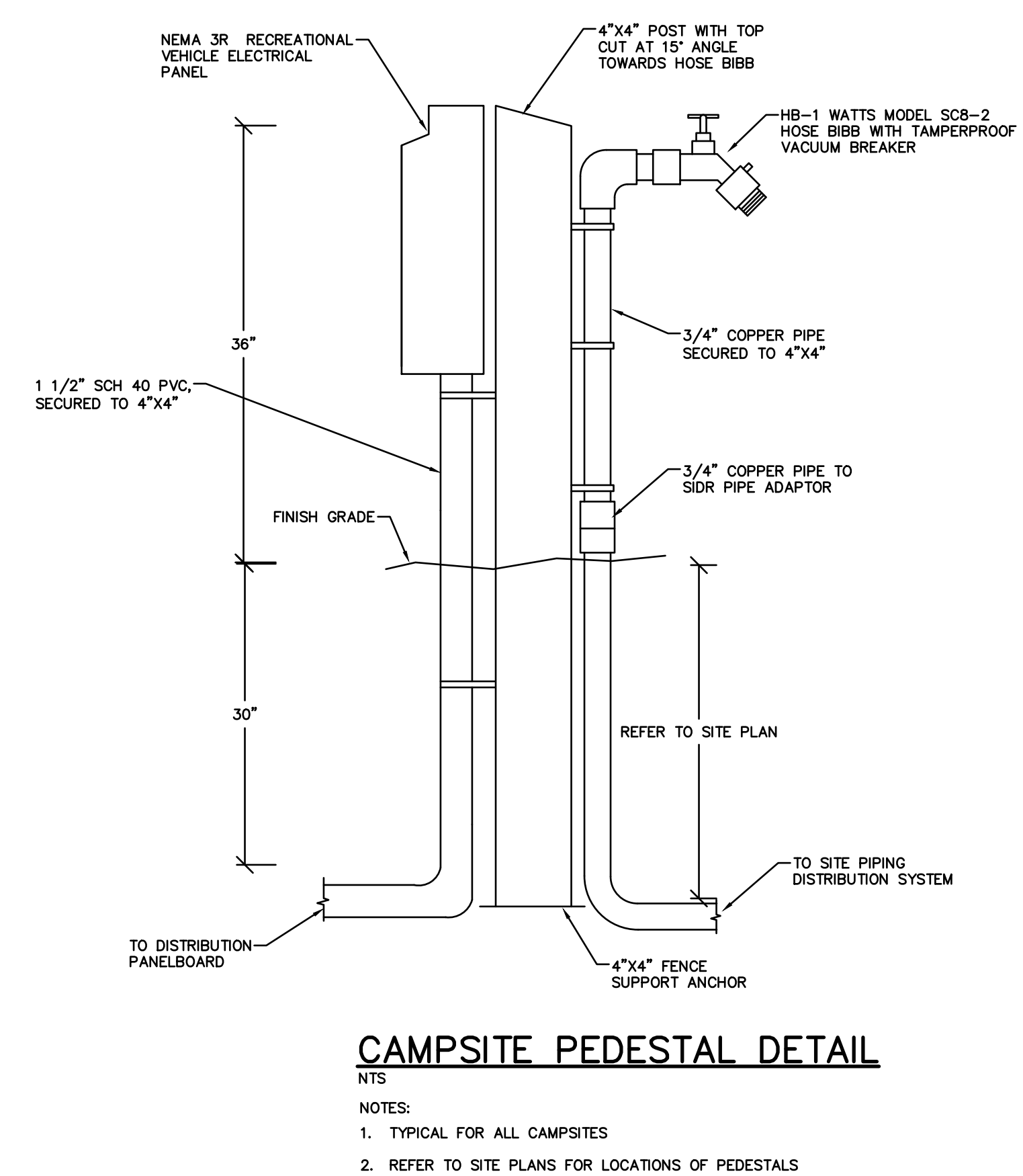
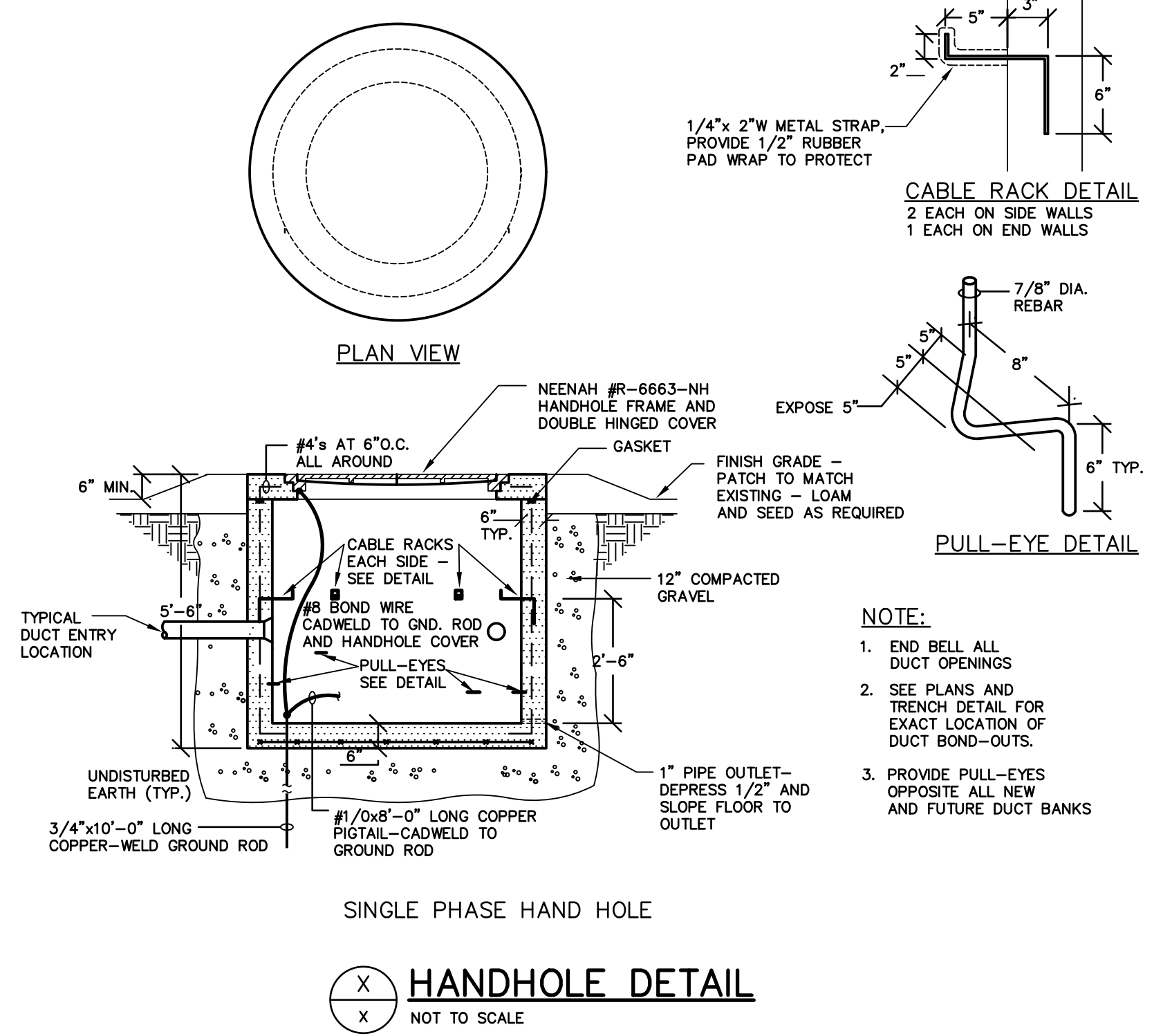
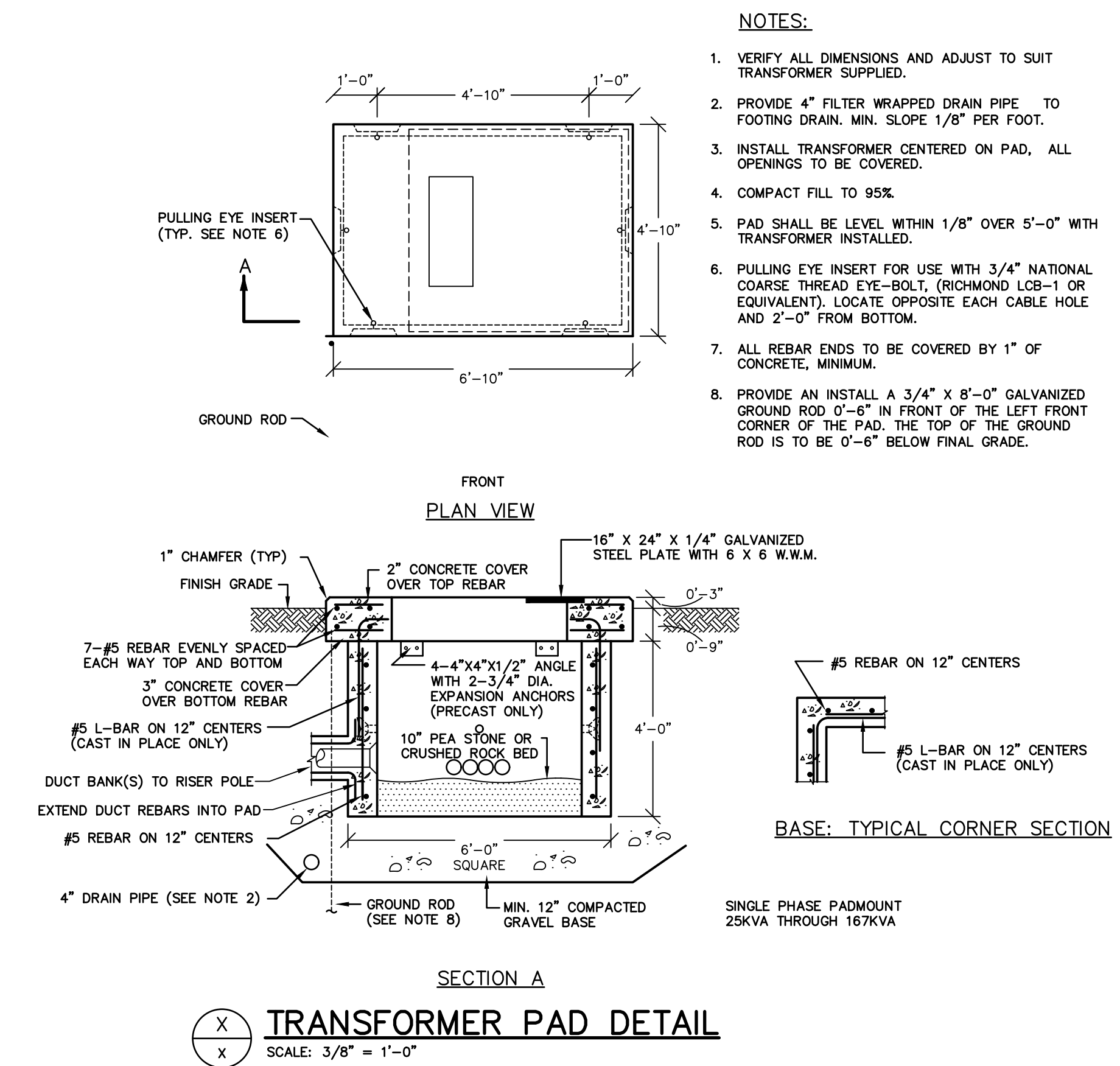
E302

LAMOINE STATE PARK
LAMOINE, MAINE

CAMPSITE SCHEDULES AND DETAILS

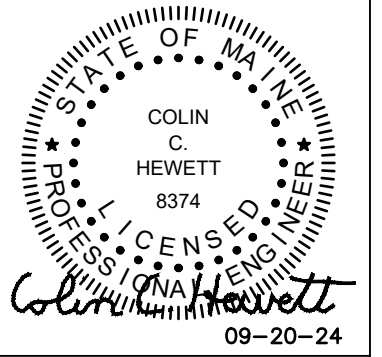
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E302



GENERAL NOTES

1. THIS PLAN HAS BEEN COMPILED FROM FIELD OBSERVATIONS AND OWNER SUPPLIED DRAWINGS. FIELD VERIFY ALL CONDITIONS AND OBSERVE NECESSARY SAFETY PRECAUTIONS BEFORE DOING ANY WORK.
2. RUN SURFACE WIRING AS INCONSPICUOUS AS POSSIBLE, IN WALL AND CEILING CORNERS WHERE POSSIBLE, AS INDICATED.
3. DEVICES WITH CONTINUOUS LINETYPE _____ INDICATE NEW UNLESS OTHERWISE INDICATED.
4. DEVICES WITH DASHED LINETYPE - - - - - INDICATE EXISTING TO REMAIN UNLESS OTHERWISE INDICATED.
5. DEVICES WITH HIDDEN LINETYPE INDICATE REMOVE UNLESS OTHERWISE INDICATED.
6. IN EVENT ANY UNSAFE WIRING IS ENCOUNTERED, IMMEDIATELY NOTIFY ENGINEER FOR CORRECTIVE ACTION.
7. EXISTING CONDUIT MAY BE RE-USED WHERE POSSIBLE.

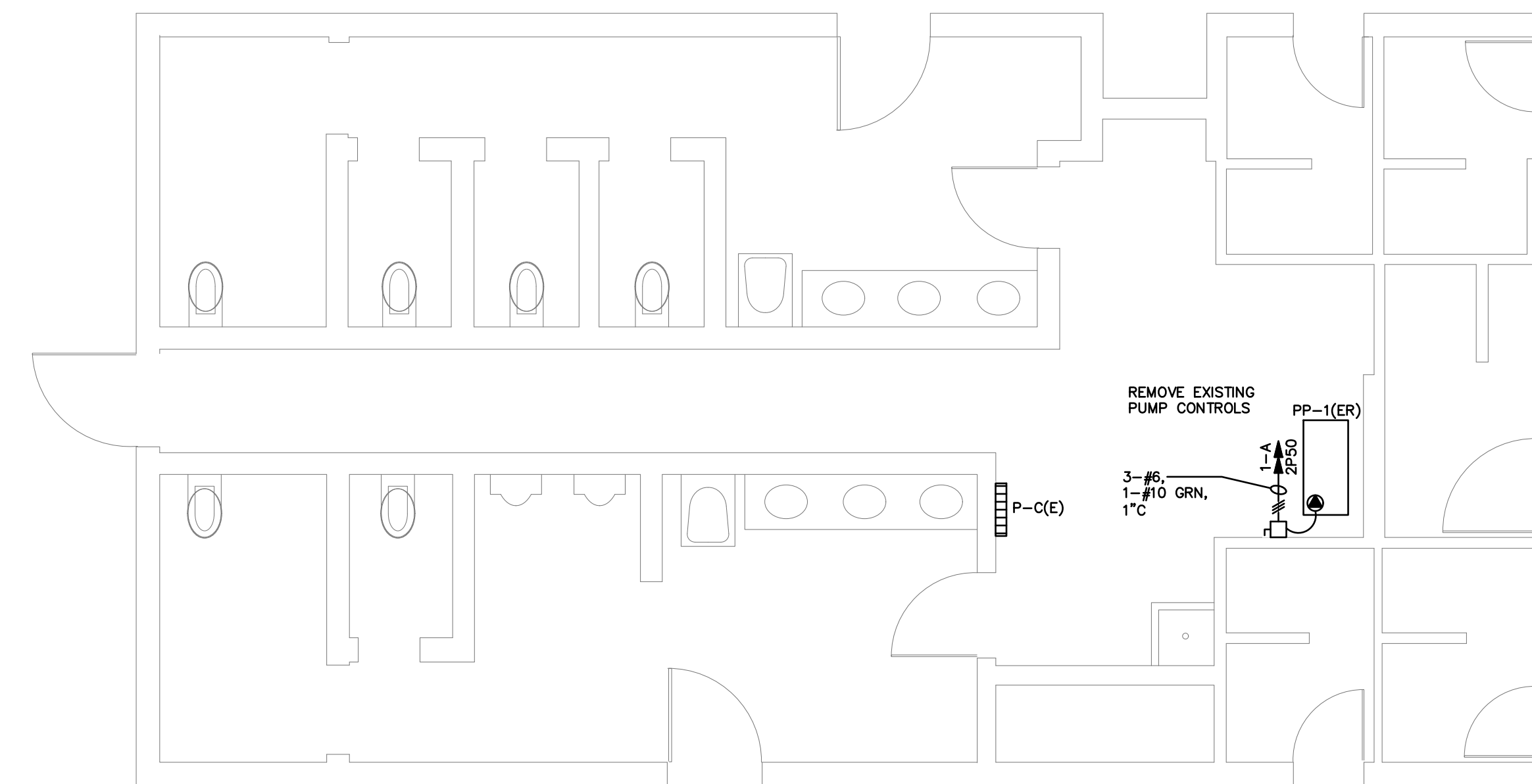


PANEL SCHEDULE													
PANEL ID		TYPE: -	AMPS: -	MAIN: -	MOUNTING: -	VOLTS L-L: 240		PHASE: 1					
P-C		LOCATION: -				VOLTS L-G: 120		WIRE: 3					
BRKR A	P	DESCRIPTION	CIR VA	W L-F	CIR NO.	LOAD		CIR NO.	W L-F	CIR VA	DESCRIPTION	BRKR	
						A	B					P	A
50	2	PUMP PP-1	4620	M	1	4620		2	0	0	MAIN BREAKER	2	-
-	-	-	4620	M	3		4620	4	0	0	-	-	-
-	1	LTG - EXTERIOR	0	0	5	0		6	0	0	LTG - WOMENS RM	1	-
-	1	LTG - MECH RM	0	0	7	0		8	0	0	LTG - MENS ROOM	1	-
-	1	LTG - SHOWER	0	0	9	0		10	0	0	RECP - LFT WOMENS RM	1	-
-	1	LTG - SHOWER	0	0	11	0		12	0	0	RECP - CNTR MENS RM	1	-
-	1	LTG - EXTERIOR	0	0	13	0		14	0	0	RECP - MENS RM	1	-
-	1	RECP - WOMENS RM	0	0	15	0		16	0	0	RECP - MECH RM	1	-
-	1	RECP - WOMENS RM	0	0	17	0		18	0	0	HOST	2	-
-	1	WOOD SHED	0	0	19	0		20	0	0	-	-	-
-	1	SPARE	0	0	21	0		22	0	0	RECP AT PANEL	1	-
-	1	WATER HEATER	0	0	23	0		24	0	0	SEWER PUMPS	2	-
-	2	WATER PUMPS	0	0	25	0		26	0	0	-	-	-
-	-	-	0	0	27	0		28	0	0	BLANK	1	-
-	1	BLANK	0	0	29	0		30	0	0	BLANK	1	-
PHASE TOTALS			4620			4620							
CONNECTED VA : 9240			CONNECTED AMPS : 38			NUMBER BY CIRCUIT							
CIRCUIT TYPE (CODE):		LIGHTS (L)	RECEPTACLE (R)	MOTOR (M)	HEAT (H)	OTHER (O)	SPARE (S)	DISTRIB (D)					

PANELBOARD NOTES

MAINTAIN EXISTING CIRCUIT BREAKERS UNLESS OTHERWISE NOTED. IF OTHER CIRCUITS ARE UNUSED POST-DEMOLITION, INDICATE AS "SPARE" IN CIRCUIT LIST. VERIFY ALL REMAINING CIRCUITS ARE EXTENDED AND RE-SUPPLIED. CIRCUITING MAY BE ADJUSTED IN FIELD TO BEST ADVANTAGE.

- (A) SUPPLY NEW LOAD WITH EXISTING CIRCUIT BREAKER.
- (B) PROVIDE NEW CIRCUIT BREAKER AS INDICATED IN EXISTING PROVISION SPACE.
- (C) REMOVE EXISTING CIRCUIT BREAKER(S) AND PROVIDE NEW AS INDICATED.



COMFORT STATION ELECTRICAL PLAN

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

GC BID SET

20SEP2024

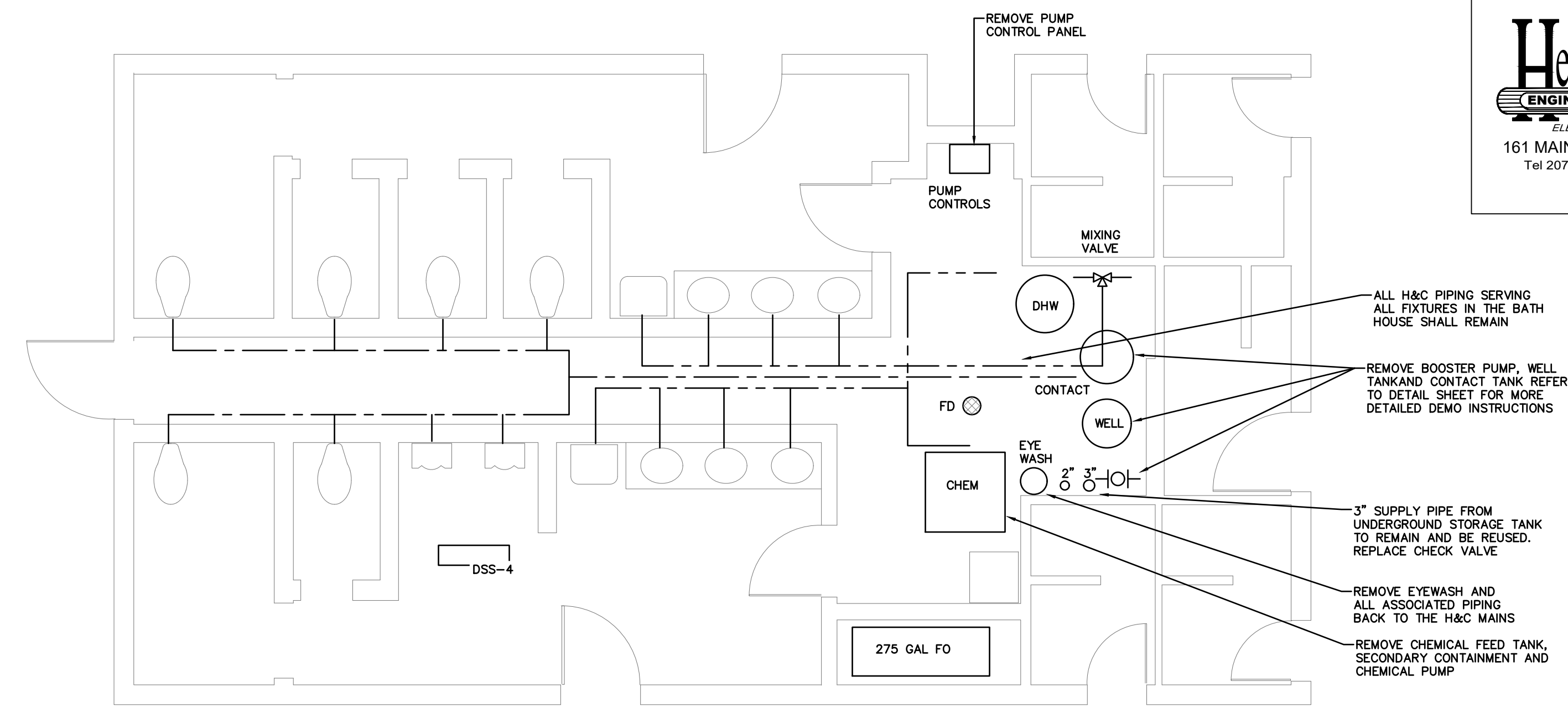
REV DATE

LAMOINE STATE PARK
 LAMOINE, MAINE
**COMFORT STATION RENOVATIONS
 ELECTRICAL PLAN**

2308.01

E303



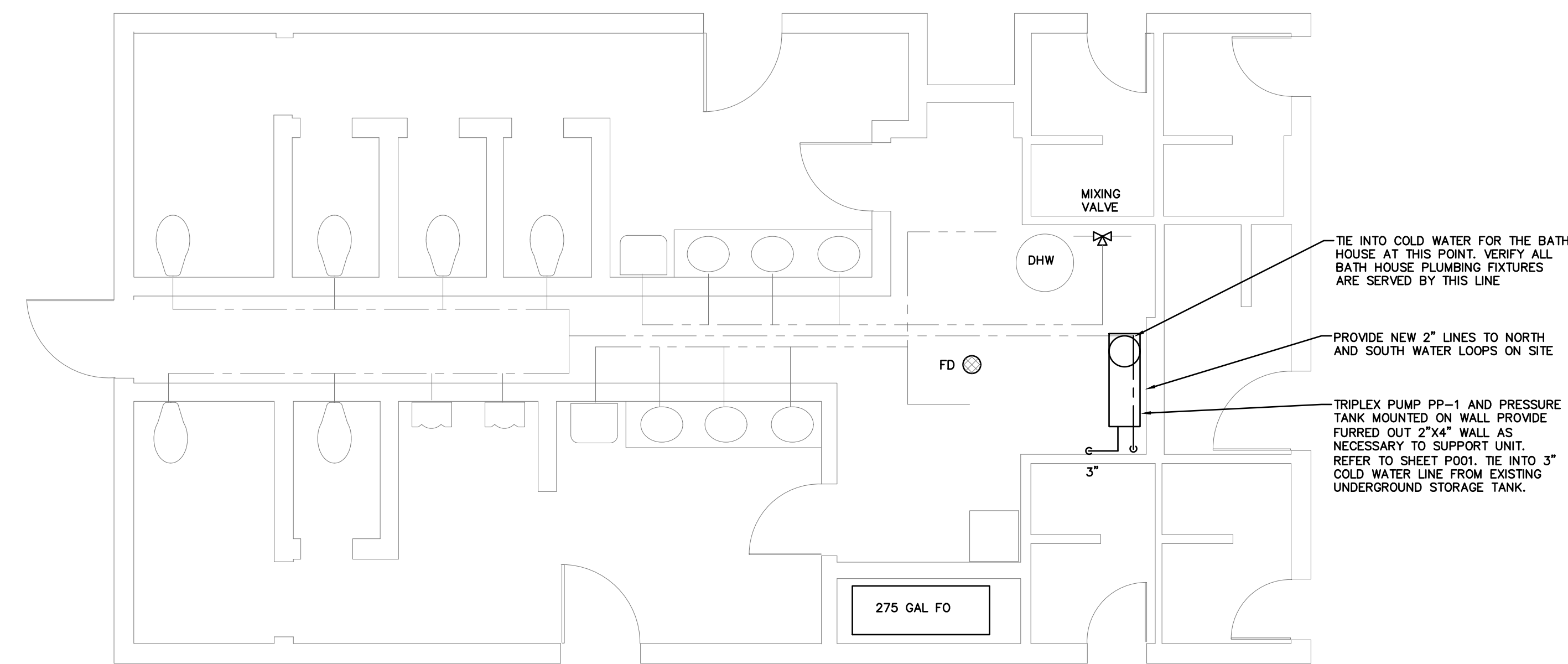


COMFORT STATION PLUMBING REMOVALS PLAN

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

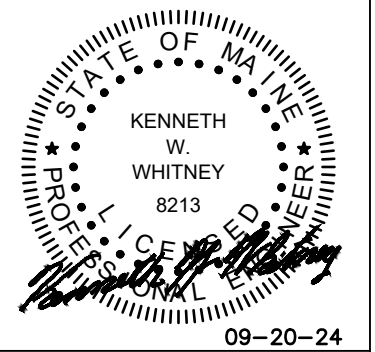
NOTES:

1. PLUMBING PIPING, FIXTURES AND EQUIPMENT TO REMAIN UNLESS NOTED OTHERWISE



COMFORT STATION PROPOSED PLUMBING PLAN

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



GC BID SET

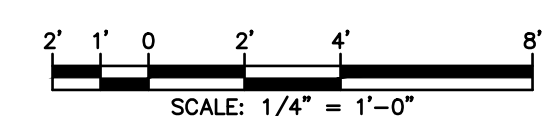
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REV	DATE

LAMOINE STATE PARK
 LAMOINE MAINE
**CAMP SITE INFRASTRUCTURE UPGRADES
 COMFORT STATION PLANS**

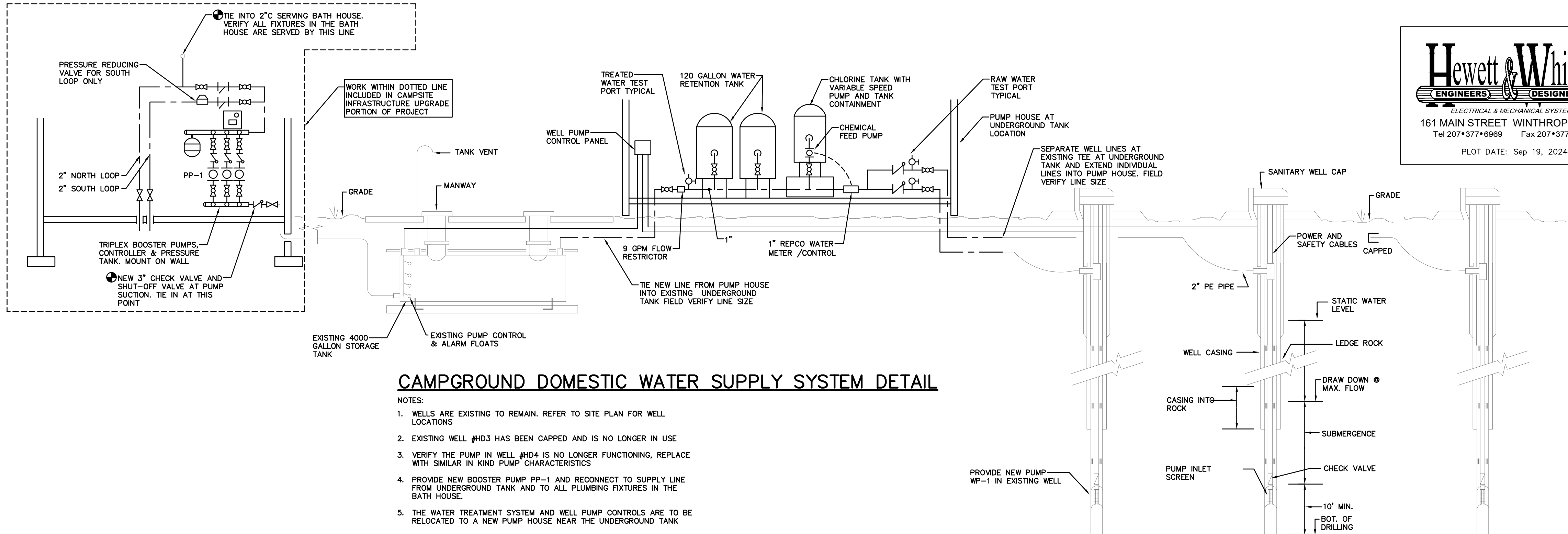
2308.01

P301



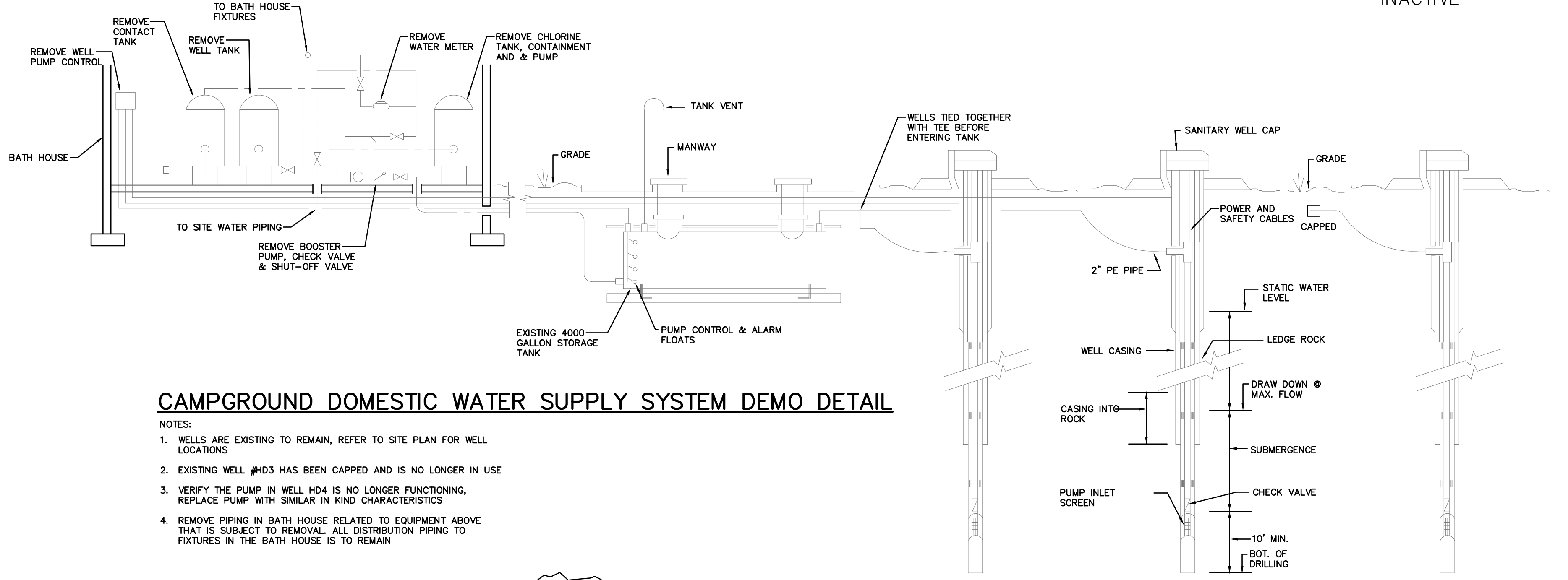
PLUMBING LEGEND

---	SANITARY SOIL OR WASTE - ABOVE FLOOR
-X-	SANITARY SOIL OR WASTE - UNDER FLOOR
---	VENT
RL	ROOF LEADER
-X-RL-	UNDERFLOOR ROOF LEADER
---	110° HOT WATER LINE
-110R-	110° HOT WATER RECIRCULATION LINE
---	140° HOT WATER LINE
-140R-	140° HOT WATER RECIRCULATION LINE
---	160° HOT WATER LINE
-160R-	160° HOT WATER RECIRCULATION LINE
---	CONDENSATE DRAIN
-X-GR-	UNDERFLOOR GREASE WASTE
---	COLD WATER
G	GAS LINE
3"/1/4"	PIPE SIZE / SLOPE PER FOOT
---	PIPE RISER
---	PIPE DROP
U	UNION
X	GATE VALVE
CV	CHECK VALVE
BV	BALL VALVE
BV	BALANCING VALVE (BV)
+	GAS PLUG VALVE
P	PUMP
T	THERMOMETER/THERMOWELL
PG	PRESSURE GAGE WITH SHUT-OFF COCK
SPKL	SPRINKLER
PRV	PRESSURE RELIEF VALVE
FD	FLOOR DRAIN
HB	HOSE BIBB (HB)
NFWH	NON-FREEZE WALL HYDRANT (NFWH)
TIE	TIE INTO EXISTING SYSTEM
---	EXISTING EQUIPMENT TO BE REMOVED
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
CD	CONDENSATE DRAIN
CO	CLEANOUT
EX	EXISTING EQUIPMENT
FCO	FLOOR CLEANOUT
FE	FIRE EXTINGUISHER - WEIGHT (LB)
H & C	HOT AND COLD
INV	INVERT ELEVATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
SA	SHOCK ABSORBER
VTR	VENT THROUGH ROOF
W & V	WASTE AND VENT
WCO	WALL CLEANOUT



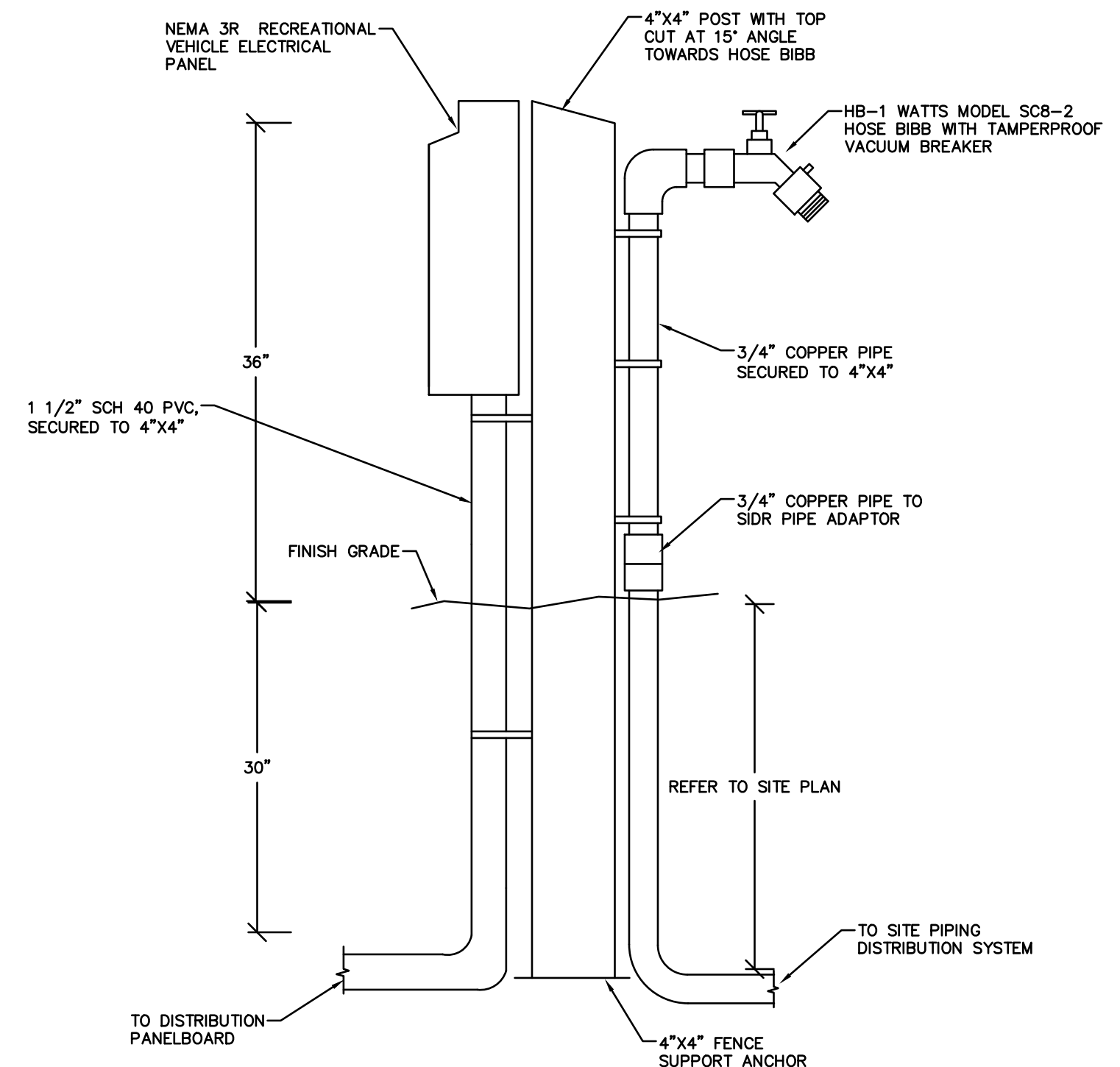
CAMPGROUND DOMESTIC WATER SUPPLY SYSTEM DETAIL

- NOTES:
1. WELLS ARE EXISTING TO REMAIN. REFER TO SITE PLAN FOR WELL LOCATIONS
 2. EXISTING WELL #HD3 HAS BEEN CAPPED AND IS NO LONGER IN USE
 3. VERIFY THE PUMP IN WELL #HD4 IS NO LONGER FUNCTIONING, REPLACE WITH SIMILAR IN KIND PUMP CHARACTERISTICS
 4. PROVIDE NEW BOOSTER PUMP PP-1 AND RECONNECT TO SUPPLY LINE FROM UNDERGROUND TANK AND TO ALL PLUMBING FIXTURES IN THE BATH HOUSE.
 5. THE WATER TREATMENT SYSTEM AND WELL PUMP CONTROLS ARE TO BE RELOCATED TO A NEW PUMP HOUSE NEAR THE UNDERGROUND TANK



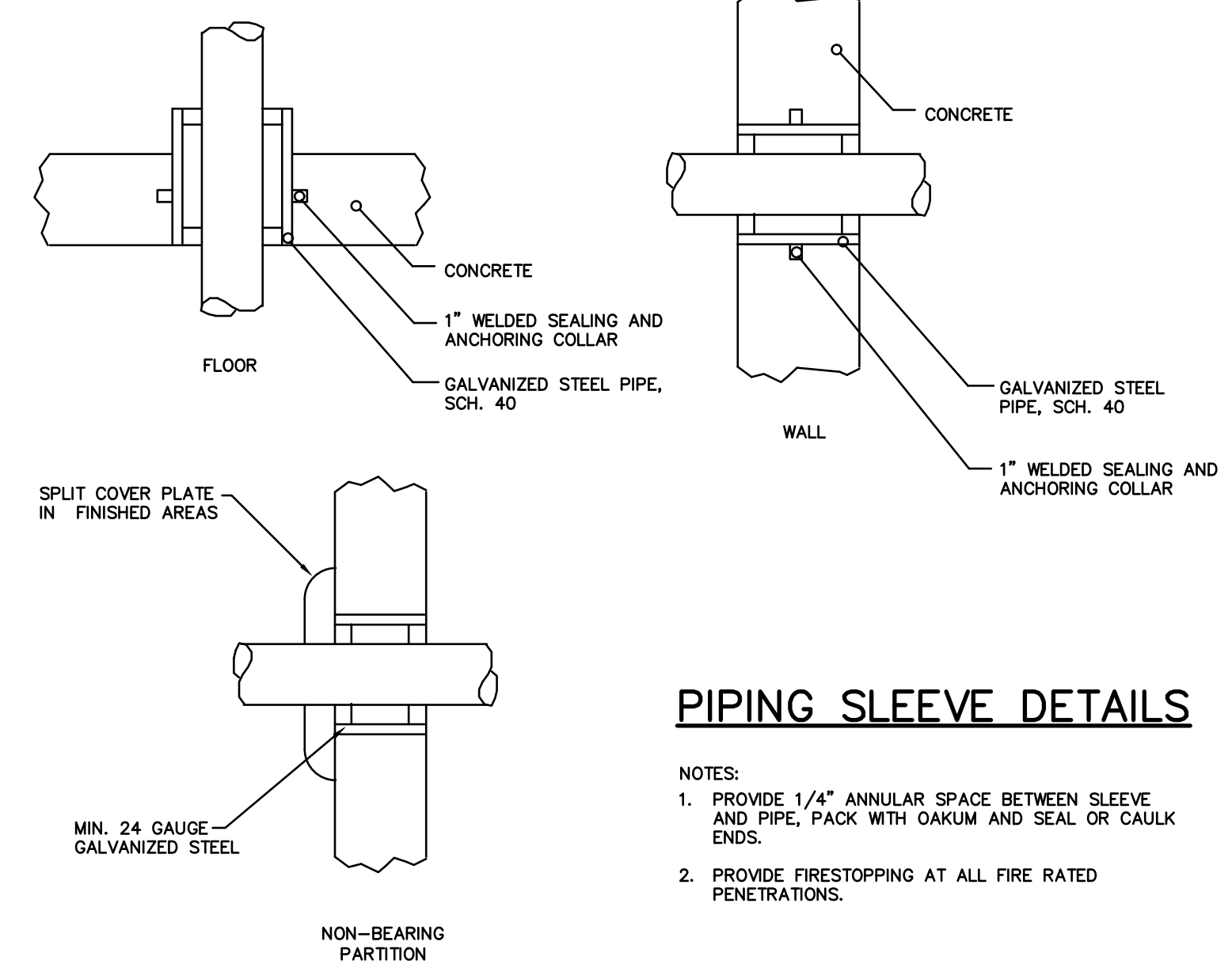
CAMPGROUND DOMESTIC WATER SUPPLY SYSTEM DEMO DETAIL

- NOTES:
1. WELLS ARE EXISTING TO REMAIN, REFER TO SITE PLAN FOR WELL LOCATIONS
 2. EXISTING WELL #HD3 HAS BEEN CAPPED AND IS NO LONGER IN USE
 3. VERIFY THE PUMP IN WELL #HD4 IS NO LONGER FUNCTIONING, REPLACE PUMP WITH SIMILAR IN KIND CHARACTERISTICS
 4. REMOVE PIPING IN BATH HOUSE RELATED TO EQUIPMENT ABOVE THAT IS SUBJECT TO REMOVAL. ALL DISTRIBUTION PIPING TO FIXTURES IN THE BATH HOUSE IS TO REMAIN



CAMPSITE PEDESTAL DETAIL

- NTS
- NOTES:
1. TYPICAL FOR ALL CAMPSITES
 2. REFER TO SITE PLANS FOR LOCATIONS OF PEDESTALS



PIPING SLEEVE DETAILS

- NOTES:
1. PROVIDE 1/4" ANNUAL SPACE BETWEEN SLEEVE AND PIPE, PACK WITH OAKUM AND SEAL OR CAULK ENDS.
 2. PROVIDE FIRESTOPPING AT ALL FIRE RATED PENETRATIONS.

PUMP SCHEDULE (P)										
UNIT	LOC.	SYS.	MODEL	TYPE	GPM BV PUMP	TDH (FT)	AMPS	RPM	POWER	NOTES
PP-1	BATH	TRIPLEX BOOST	-	BOOST	50	60 PSI	38.5	VARY	230V	1

NOTES:

1. BASED ON SPECPAK TRIPLEX UNIT WITH CONTROL PANEL, PRESSURE TRANSDUCER AND CHECK VALVE ORDER# 574705903C, MODEL# 3IL-23033-G1T-C

FIXTURE SCHEDULE							
UNIT	DESCRIPTION	MIN. LINE SIZE (IN.)					NOTES
		W	V	H	C	G	
HB-1	CAMPSITE HOSE BIBB	-	-	-	3/4	-	-

- NOTES:
1. PROVIDE SHUT OFF VALVES IN H & C LINES TO ALL FIXTURES/APPLIANCES

Hewett & Whitney
ENGINEERS & DESIGNERS
ELECTRICAL & MECHANICAL SYSTEMS
161 MAIN STREET WINTHROP, MAINE
Tel 207*377*6969 Fax 207*377*7584
PLOT DATE: Sep 19, 2024

LMA
LEWIS & MALM
ARCHITECTURE
EST. 1983

STATE OF MAINE
KENNETH W. WHITNEY
8213
LICENSED PROFESSIONAL ENGINEER
09-20-24

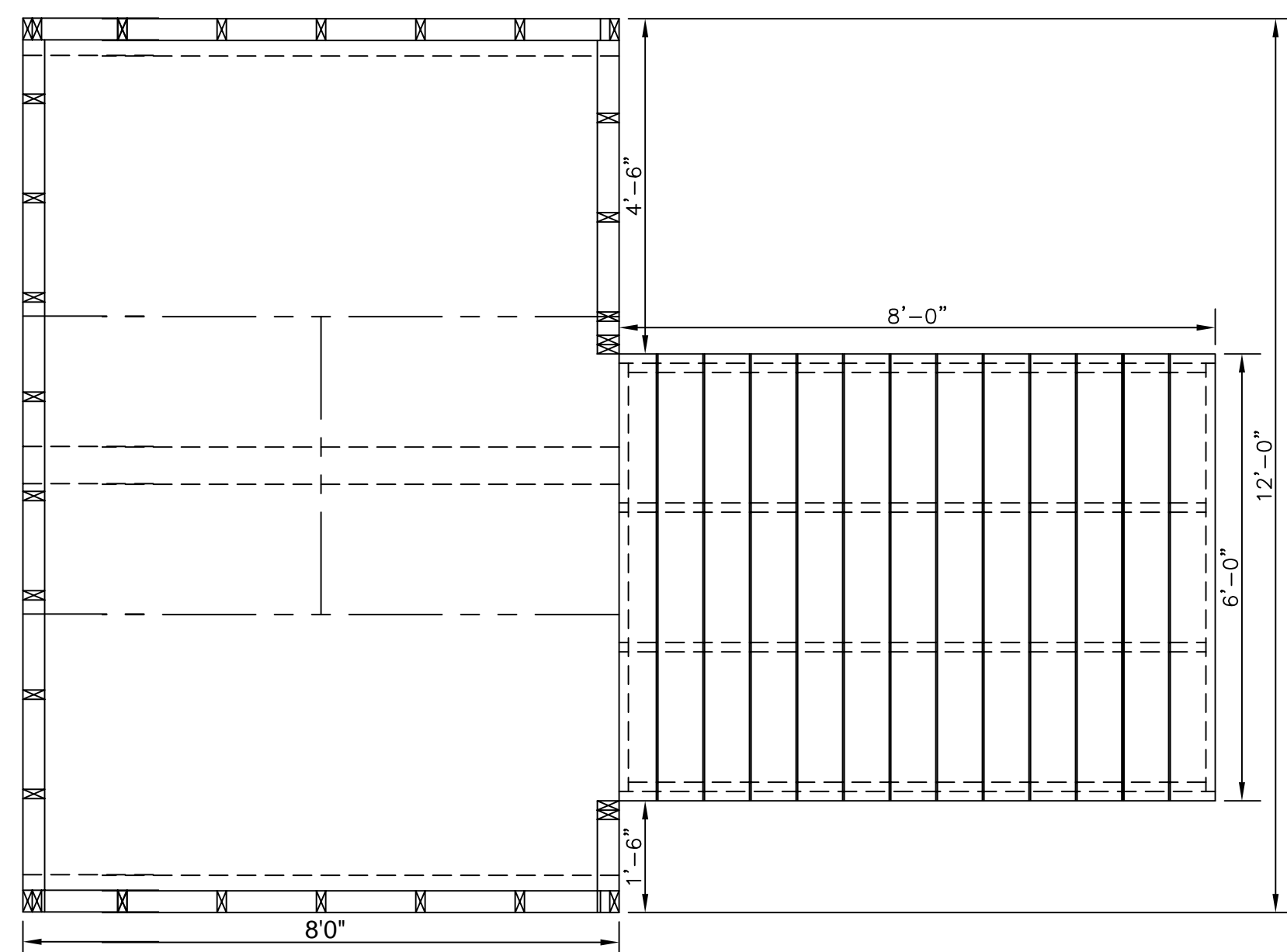
GC BID SET

REV	DATE

LAMOINE STATE PARK
LAMOINE MAINE
CAMPSITE INFRASTRUCTURE UPGRADES
PLUMBING SCHEDULES & DETAILS

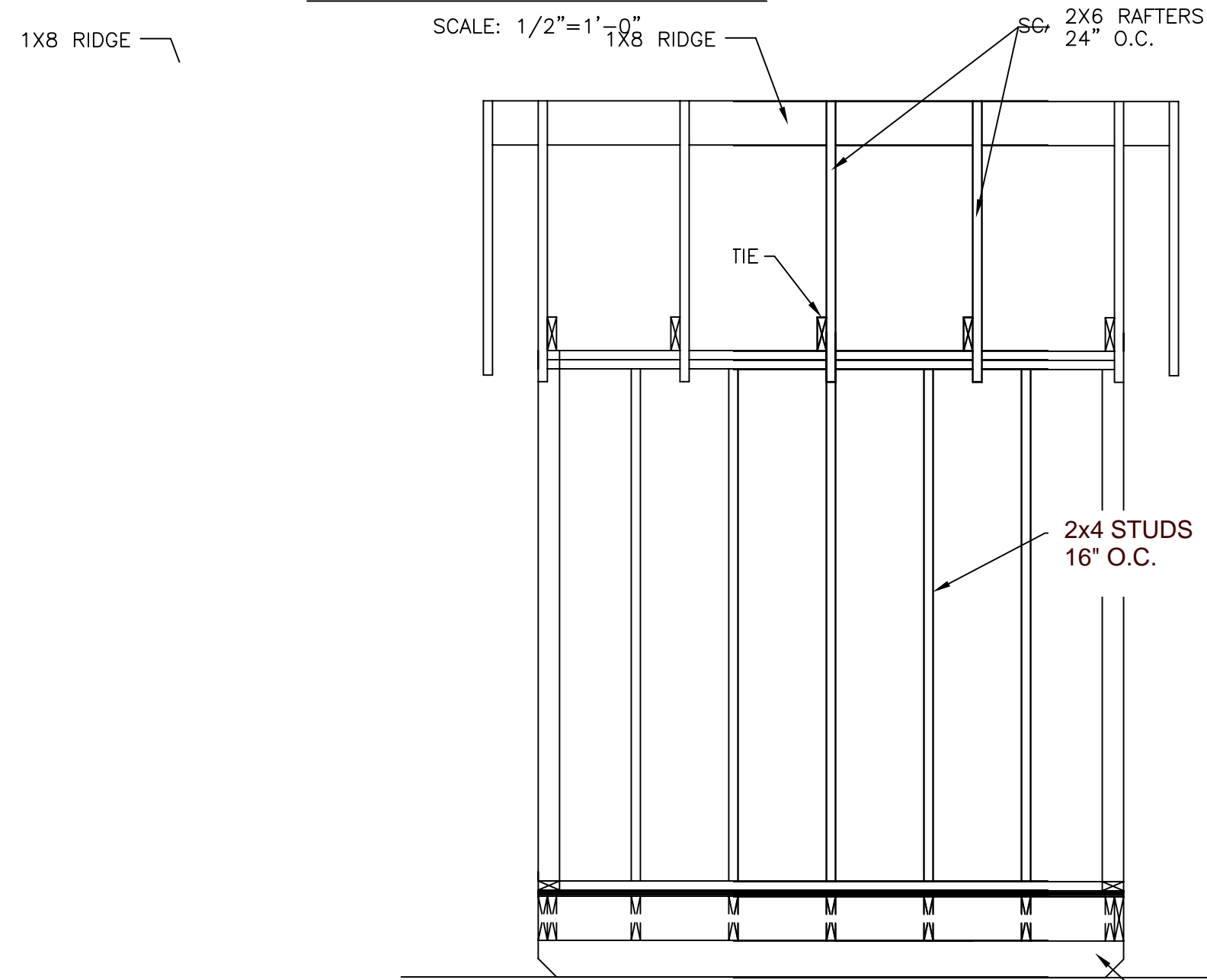
2308.01

P302



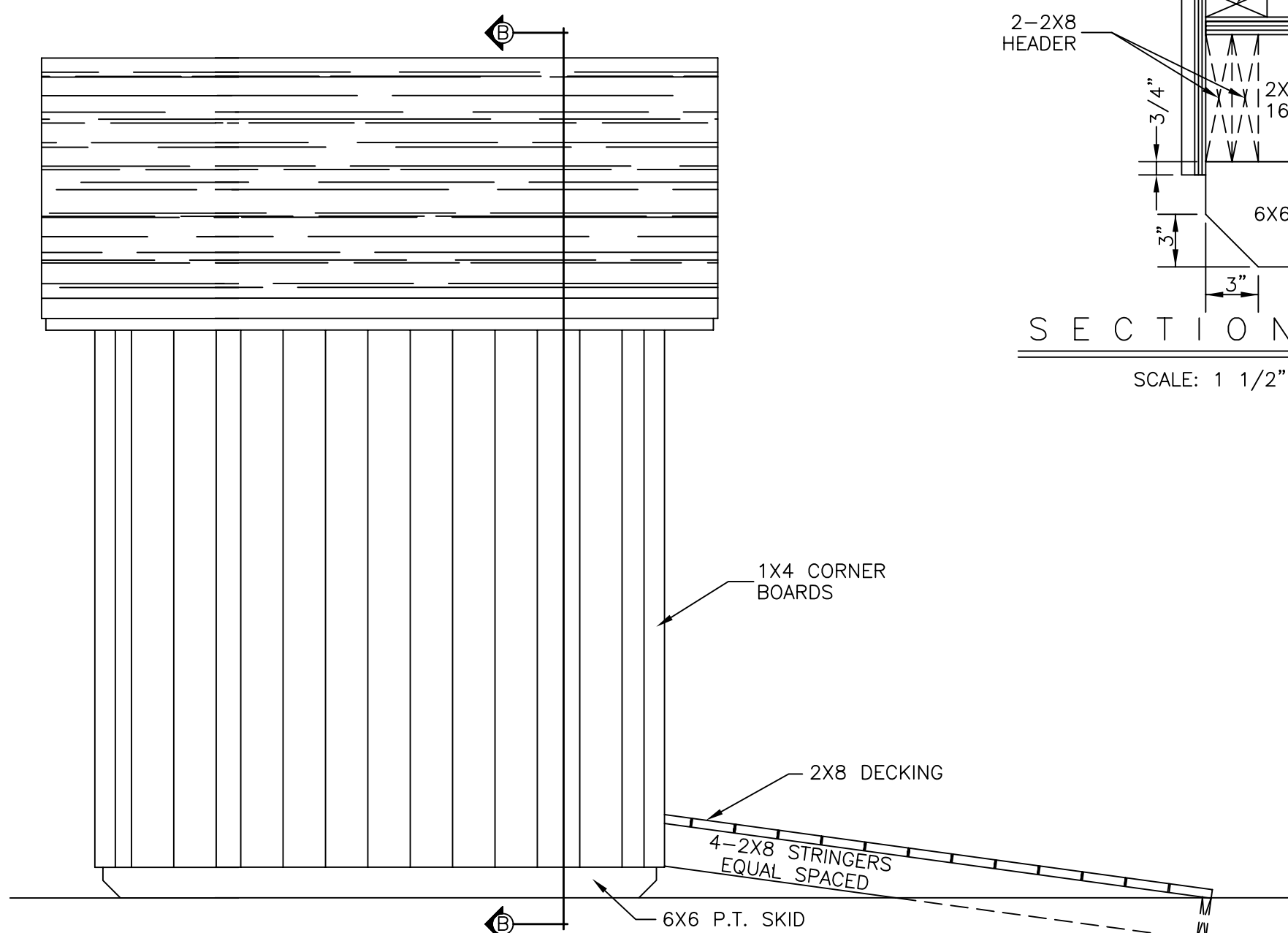
FLOOR PLAN

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



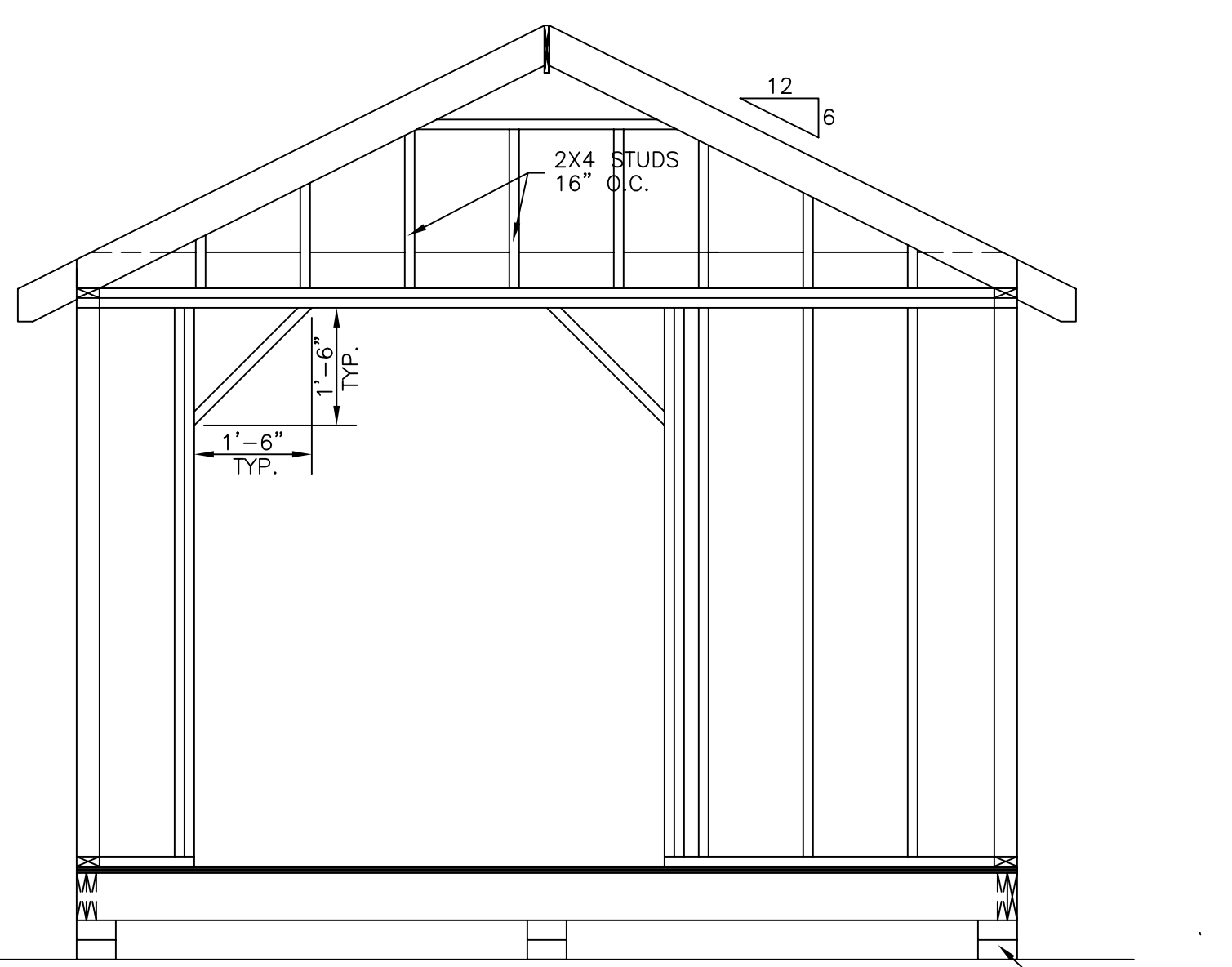
SIDE FRAMING ELEVATION

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



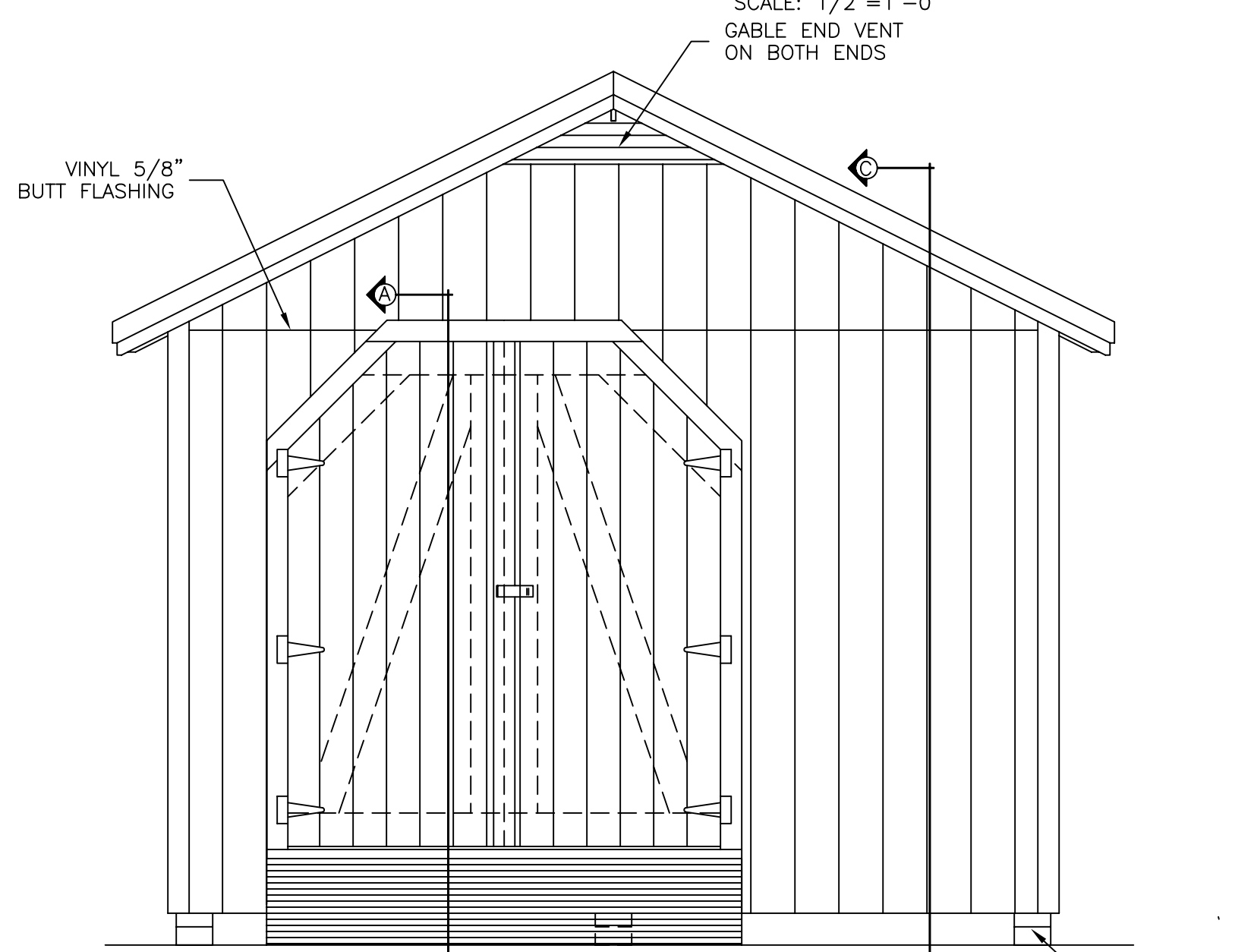
SIDE ELEVATION

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



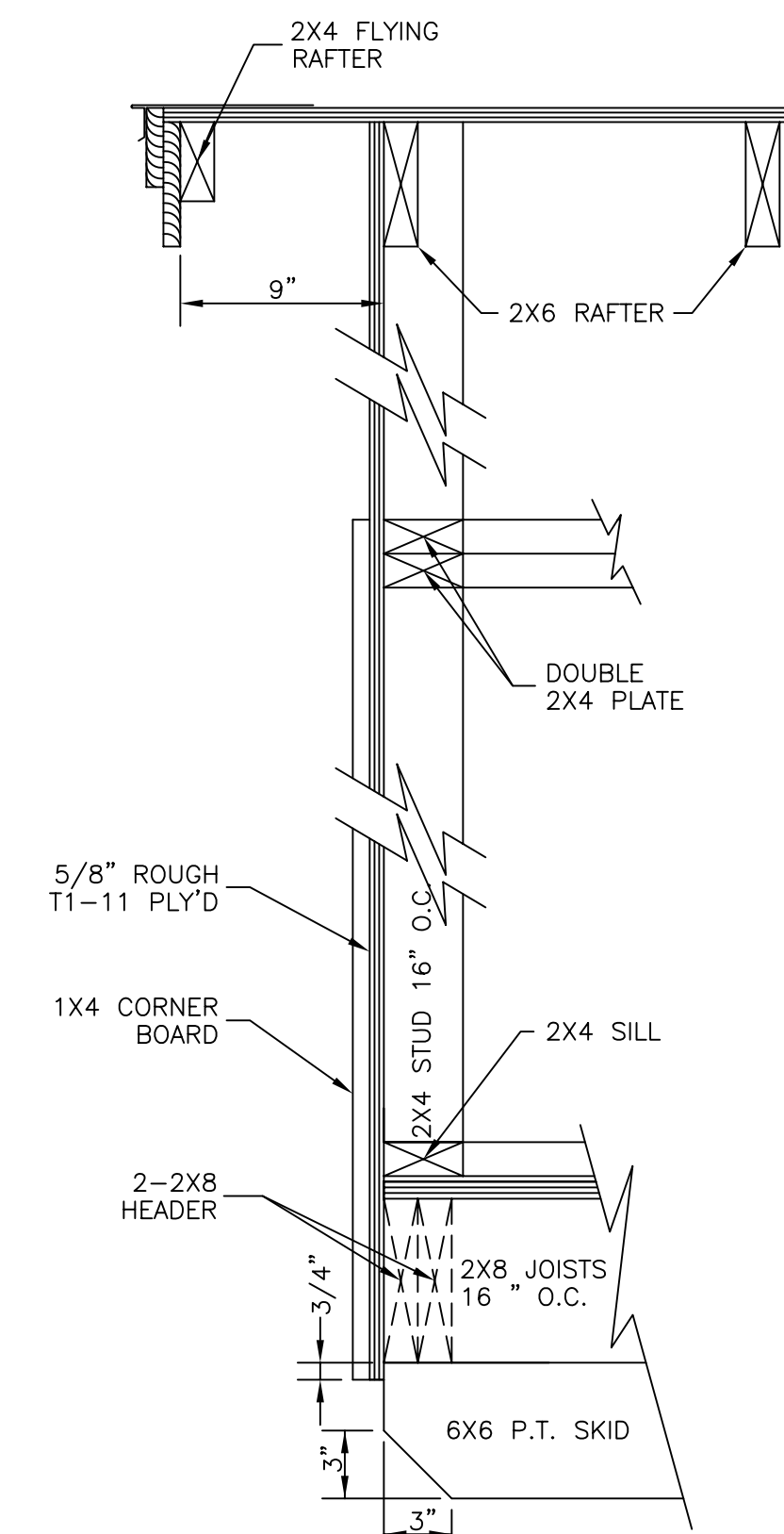
END FRAMING ELEVATION

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



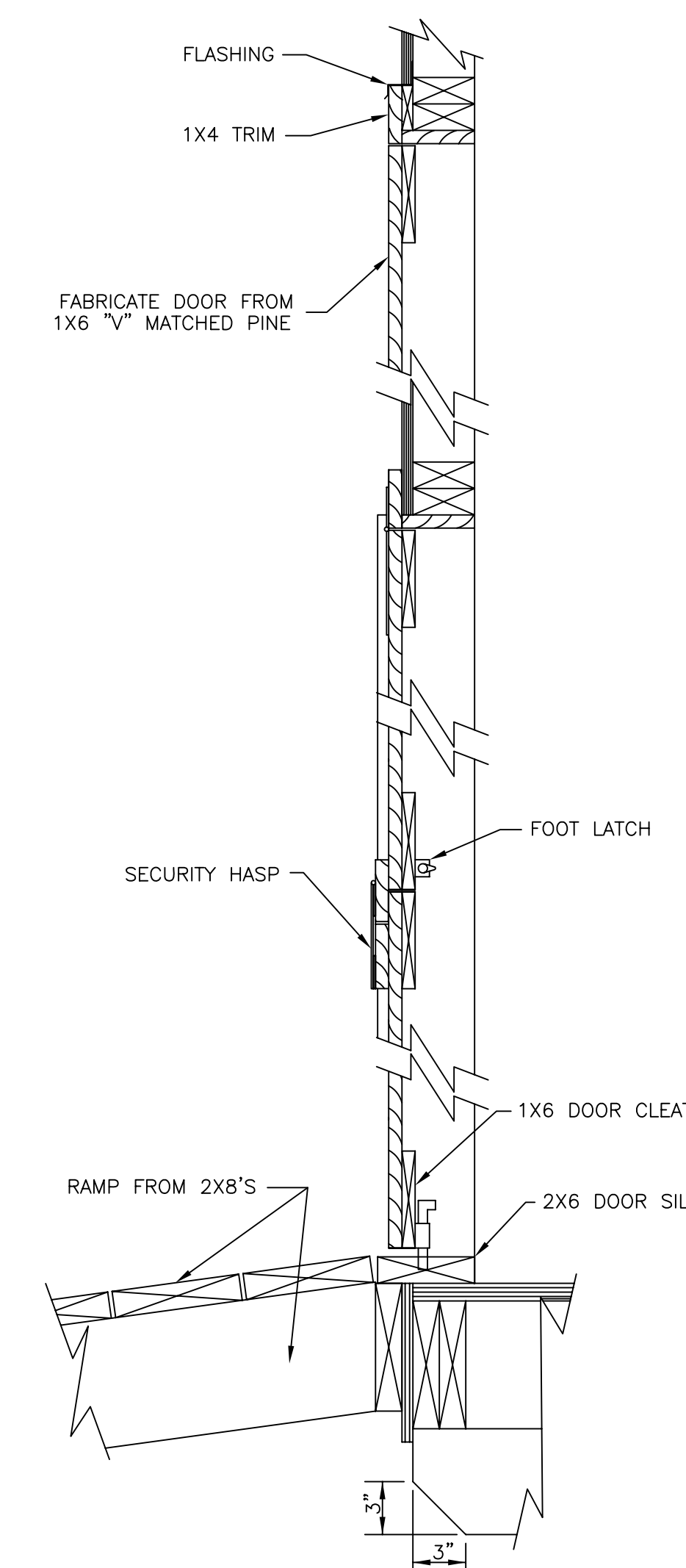
END ELEVATION

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



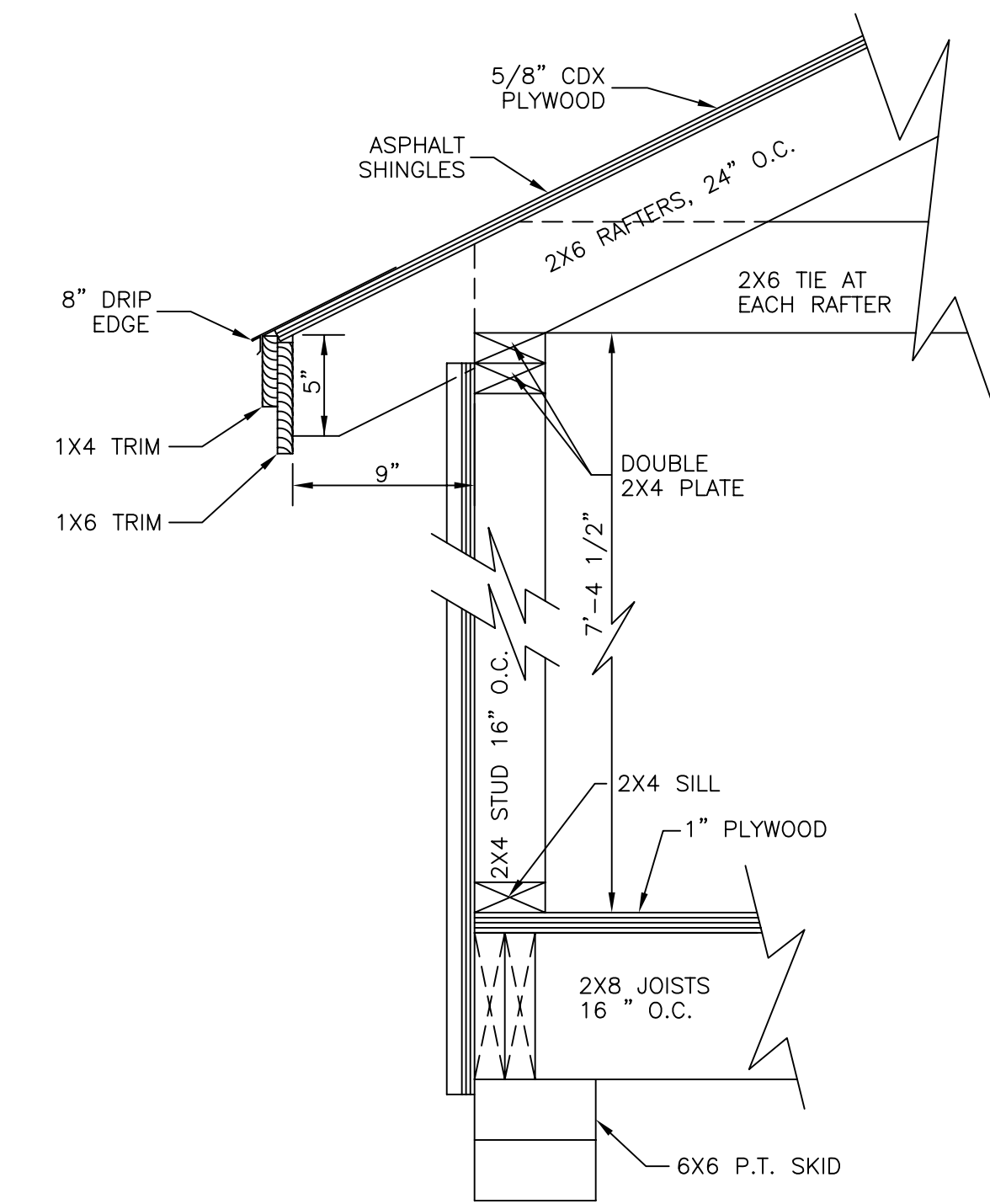
SECTION C - C

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



SECTION A - A

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



SECTION B - B

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

MATERIAL LIST

- 6X6X16' P.T. SKIDS
- 2X8X12' FLOOR JOISTS
- 2X8X8' P.T. RAMP JOISTS
- 2X6X12' COLLAR TIES
- 2X6X8' RAFTERS
- 2X4X7' STUDS
- L.F. 2X4 FLYING RAFTERS, SHOES & PLATES
- L.F. 1X8 RIDGE
- L.F. 1X6 PINE TRIM
- L.F. 1X4 PINE TRIM
- 1X6 "V" MATCHED PINE (DOORS)
- SHTS 4X8X5/8" ROUGH T1-11 PLYWOOD
- " " X 1" PLYWOOD FLOORING
- " " X5/8" CDX ROOF SHEATHING
- L.F. VINYL DRIP EDGE
- ROLL "GRACE" ICE & WATER SHIELD
- SQ. ASPHALT SHINGLES
- GABLE END VENTS
- L.F. GALV. BUTT FLASHING
- 6" H.D. "T" HINGES
- 6" HASP

wnstorage.dwg

STATE OF MAINE
DEPARTMENT OF CONSERVATION
BUREAU OF PARKS AND LANDS

DRAWN BY DLT
CHECKED BY
DATE 1/07
SCALE AS NOTED
PROJECT NO.
SHEET OF
DIRECTOR, PARKS AND LANDS DATE

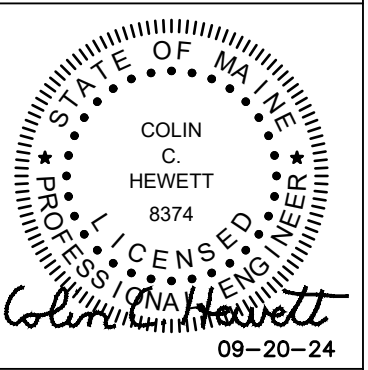
2308.01 / LAMOINE STATE PARK
WATER TREATMENT SYSTEM
PUMPHOUSE BUILDING

A-401

DIRECTOR, B.G.S. DATE

GENERAL NOTES

1. THIS PLAN HAS BEEN COMPILED FROM FIELD OBSERVATIONS AND OWNER SUPPLIED DRAWINGS. FIELD VERIFY ALL CONDITIONS AND OBSERVE NECESSARY SAFETY PRECAUTIONS BEFORE DOING ANY WORK.
2. RUN SURFACE WIRING AS INCONSPICUOUS AS POSSIBLE, IN WALL AND CEILING CORNERS WHERE POSSIBLE, AS INDICATED.
3. DEVICES WITH CONTINUOUS LINETYPE ——— INDICATE NEW UNLESS OTHERWISE INDICATED.
4. DEVICES WITH DASHED LINETYPE - - - - - INDICATE EXISTING TO REMAIN UNLESS OTHERWISE INDICATED.
5. DEVICES WITH HIDDEN LINETYPE INDICATE REMOVE UNLESS OTHERWISE INDICATED.
6. IN EVENT ANY UNSAFE WIRING IS ENCOUNTERED, IMMEDIATELY NOTIFY ENGINEER FOR CORRECTIVE ACTION.
7. EXISTING CONDUIT MAY BE RE-USED WHERE POSSIBLE.

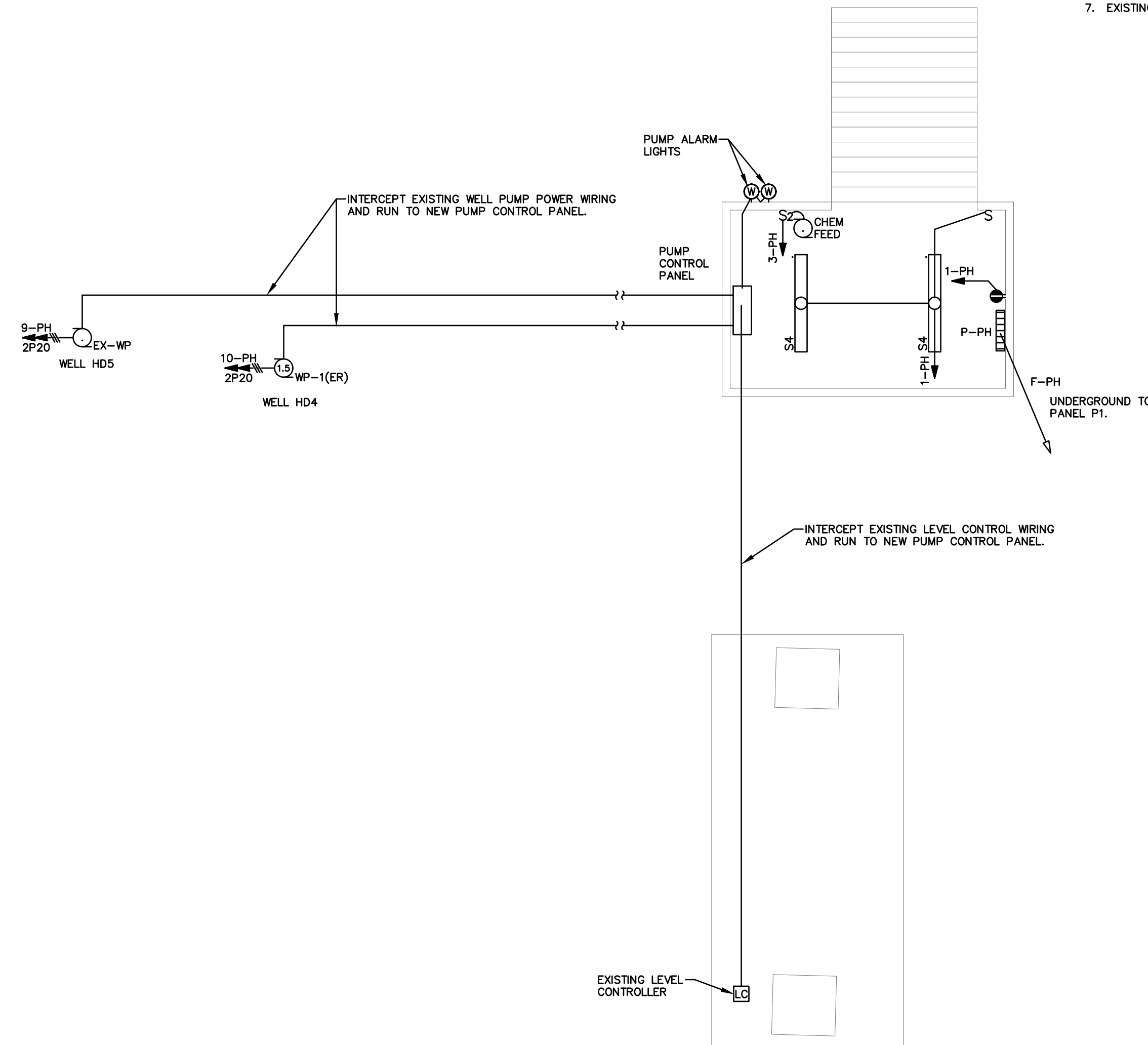


GC BID SET

20SEP2024

REV	DATE

PANEL SCHEDULE													
PANEL ID		TYPE: -	AMPS: -	MAIN: -	MOUNTING: -	VOLTS L-L: 240		PHASE: 1					
P-PH		LOCATION: -				VOLTS L-G: 120		WIRE: 3					
BRKR	DESCRIPTION	CIR VA	W/E	CIR NO.	LOAD		CIR NO.	W/E	CIR VA	DESCRIPTION	BRKR		
A	P				A	B					P	A	
20	1	LTG/RECP - PUMP HOUSE	L	1	260		2	S	0	SPARE	1	20	
20	1	PUMP - CHEMICAL FEED	M	3		600	4	S	0	SPARE	1	20	
20	1	SPARE	S	5	0		6	S	0	SPARE	1	20	
20	1	SPARE	S	7	0		8	S	0	SPARE	1	20	
20	2	EX-WP WELL HD5	O	9	1200		10	M	1200	WP-1 WELL HD4	2	20	
-	-	-	O	11		1200	12	M	1200	-	-	-	
PHASE TOTALS		1460		1800									
CONNECTED VA : 3260				CONNECTED AMPS : 13									
CIRCUIT TYPE (CODE):		LIGHTS (L)	RECEPTACLE (R)	MOTOR (M)	HEAT (H)	OTHER (O)	SPARE (S)	DISTRIB (D)					



PUMP HOUSE NOTES

1. WP-1 WELL PUMP IN WELL HD4: UNIT SHALL COME ON ANYTIME THE EXISTING LEVEL CONTROLLER IN THE EXISTING WATER TANK COMES ON, AND SHALL REMAIN OFF OTHERWISE.
2. EXISTING WELL PUMP IN WELL HD5: UNIT SHALL COME ON ANYTIME THE EXISTING LEVEL CONTROLLER IN THE EXISTING WATER TANK COMES ON, AND SHALL REMAIN OFF OTHERWISE.
3. IT IS THE INTENT THAT BOTH WELL PUMPS OPERATE TOGETHER OFF THE SAME LEVEL CONTROLLER.
4. PROVIDE TWO VISUAL ALARM INDICATOR LIGHTS, LABELED "HD4 WELL PUMP FAILURE" AND "HD5 WELL PUMP FAILURE" ON THE OUTSIDE OF THE PUMP HOUSE TO ACTIVATE IN THE EVENT OF A WELL PUMP FAILURE.
5. PROVIDE CELL PHONE ALARM COMMUNICATOR TO SEND A TEXT IN THE EVENT OF A PUMP FAILURE. COORDINATE WITH THE STATE PARK'S SERVICE PROVIDER.
6. PROVIDE CONTROL PANEL WITH MANUAL DISCONNECTS AND INDICATOR LIGHTS FOR EACH PUMP.
7. SEE SITE PLAN E300 FOR LOCATIONS.

PUMP HOUSE ELECTRICAL PLAN

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

LAMOINE STATE PARK
 LAMOINE, MAINE
 PUMP HOUSE
 ELECTRICAL PLAN

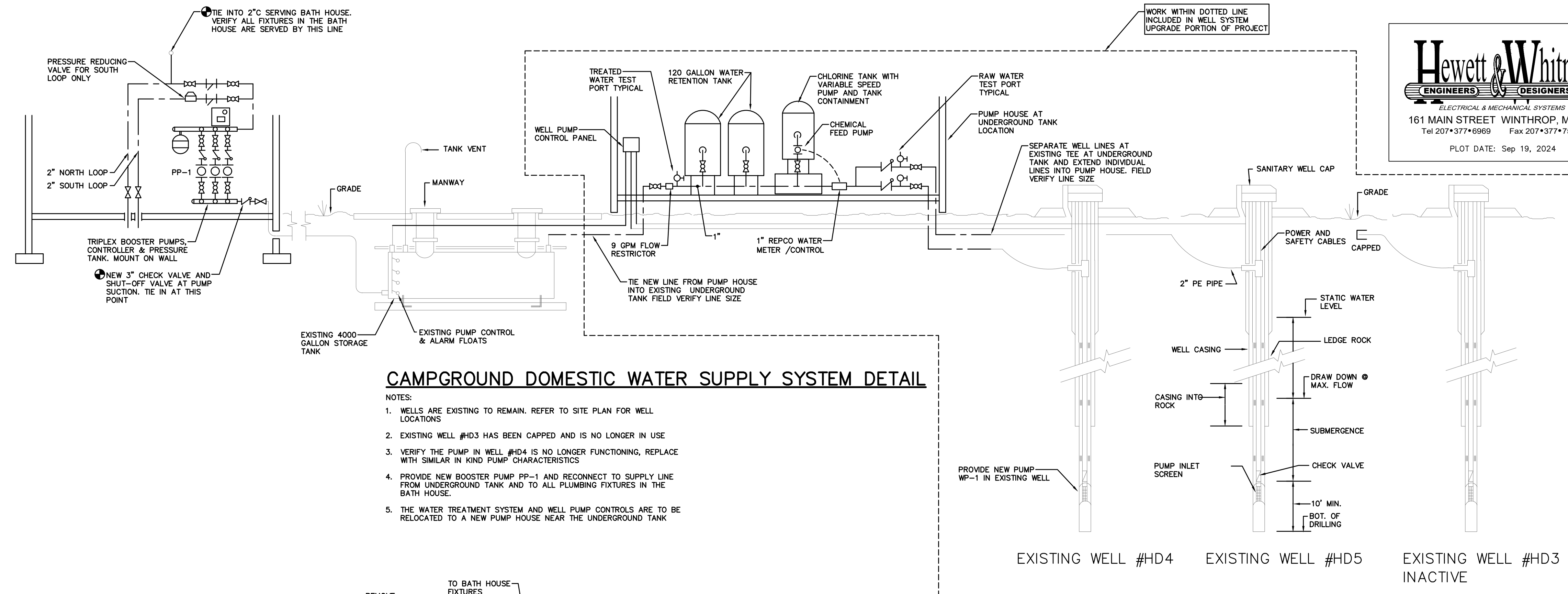
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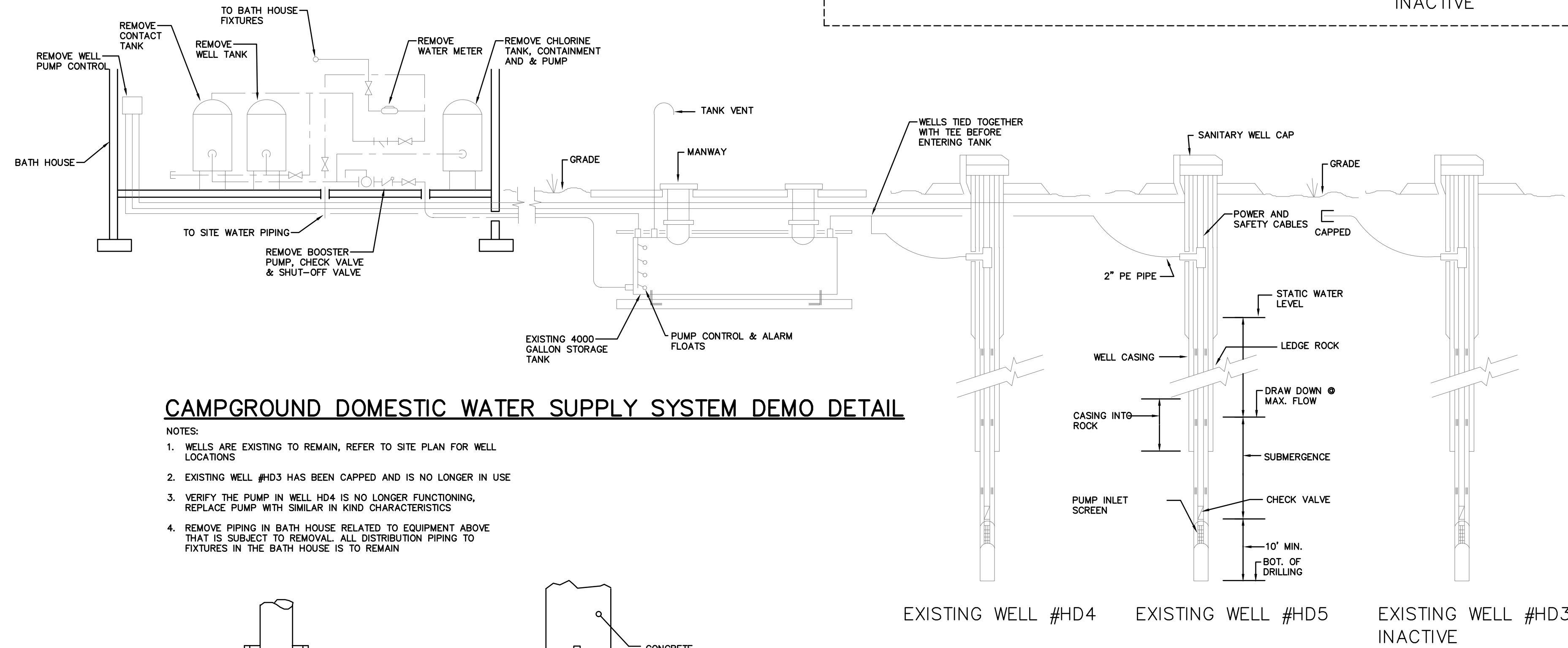
PLUMBING LEGEND

---	SANITARY SOIL OR WASTE - ABOVE FLOOR
-X-	SANITARY SOIL OR WASTE - UNDER FLOOR
---	VENT
RL	ROOF LEADER
-X-RL	UNDERFLOOR ROOF LEADER
---	110° HOT WATER LINE
---	110° HOT WATER RECIRCULATION LINE
---	140° HOT WATER LINE
---	140° HOT WATER RECIRCULATION LINE
---	160° HOT WATER LINE
---	160° HOT WATER RECIRCULATION LINE
CD	CONDENSATE DRAIN
-X-GR-	UNDERFLOOR GREASE WASTE
---	COLD WATER
G	GAS LINE
3"/1/4"	PIPE SIZE / SLOPE PER FOOT
---	PIPE RISER
---	PIPE DROP
U	UNION
X	GATE VALVE
∩	CHECK VALVE
∩	BALL VALVE
∩	BALANCING VALVE (BV)
∩	GAS PLUG VALVE
∩	PUMP
∩	THERMOMETER/THERMOWELL
∩	PRESSURE GAGE WITH SHUT-OFF COCK
SPKL	SPRINKLER
∩	PRESSURE RELIEF VALVE
○ FD	FLOOR DRAIN
---	HOSE BIBB (HB)
---	NON-FREEZE WALL HYDRANT (NFWH)
---	TIE INTO EXISTING SYSTEM
////	EXISTING EQUIPMENT TO BE REMOVED
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
CD	CONDENSATE DRAIN
CO	CLEANOUT
EX	EXISTING EQUIPMENT
FCO	FLOOR CLEANOUT
FE	FIRE EXTINGUISHER - WEIGHT (LB)
H & C	HOT AND COLD
INV	INVERT ELEVATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
SA	SHOCK ABSORBER
VTR	VENT THROUGH ROOF
W & V	WASTE AND VENT
WCO	WALL CLEANOUT



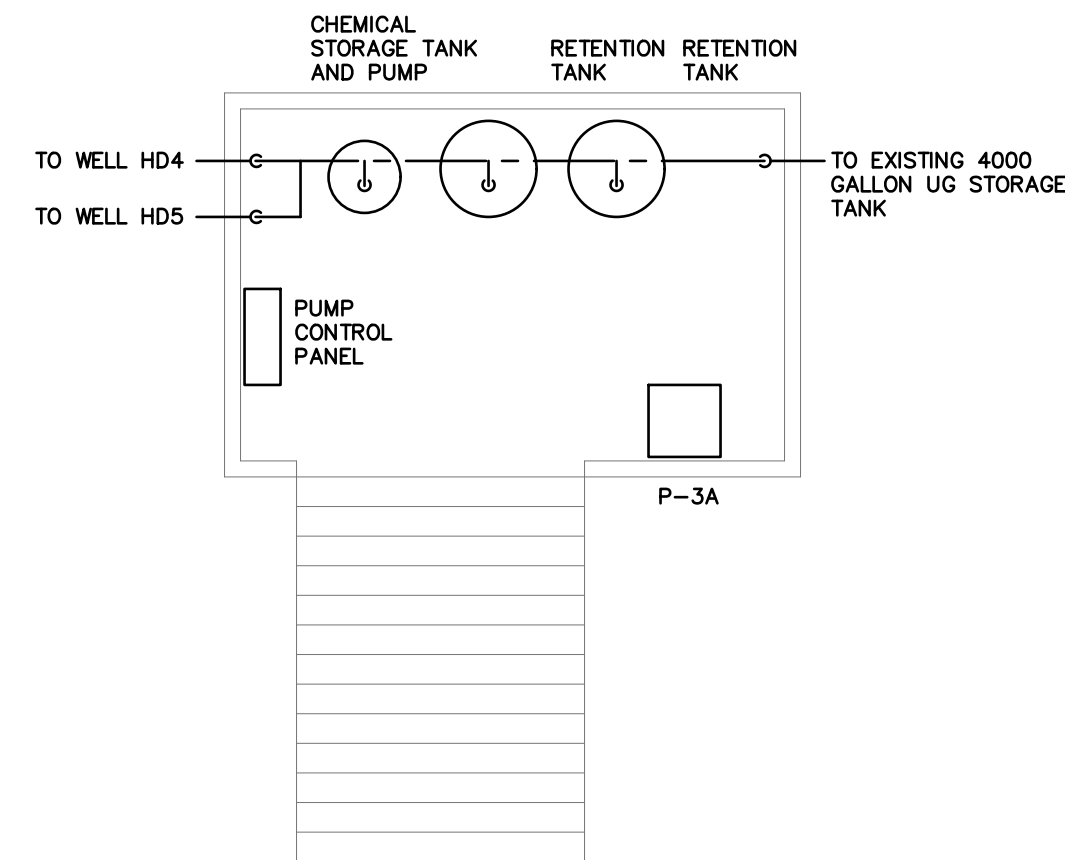
CAMPGROUND DOMESTIC WATER SUPPLY SYSTEM DETAIL

- NOTES:
1. WELLS ARE EXISTING TO REMAIN. REFER TO SITE PLAN FOR WELL LOCATIONS
 2. EXISTING WELL #HD3 HAS BEEN CAPPED AND IS NO LONGER IN USE
 3. VERIFY THE PUMP IN WELL #HD4 IS NO LONGER FUNCTIONING, REPLACE WITH SIMILAR IN KIND PUMP CHARACTERISTICS
 4. PROVIDE NEW BOOSTER PUMP PP-1 AND RECONNECT TO SUPPLY LINE FROM UNDERGROUND TANK AND TO ALL PLUMBING FIXTURES IN THE BATH HOUSE.
 5. THE WATER TREATMENT SYSTEM AND WELL PUMP CONTROLS ARE TO BE RELOCATED TO A NEW PUMP HOUSE NEAR THE UNDERGROUND TANK



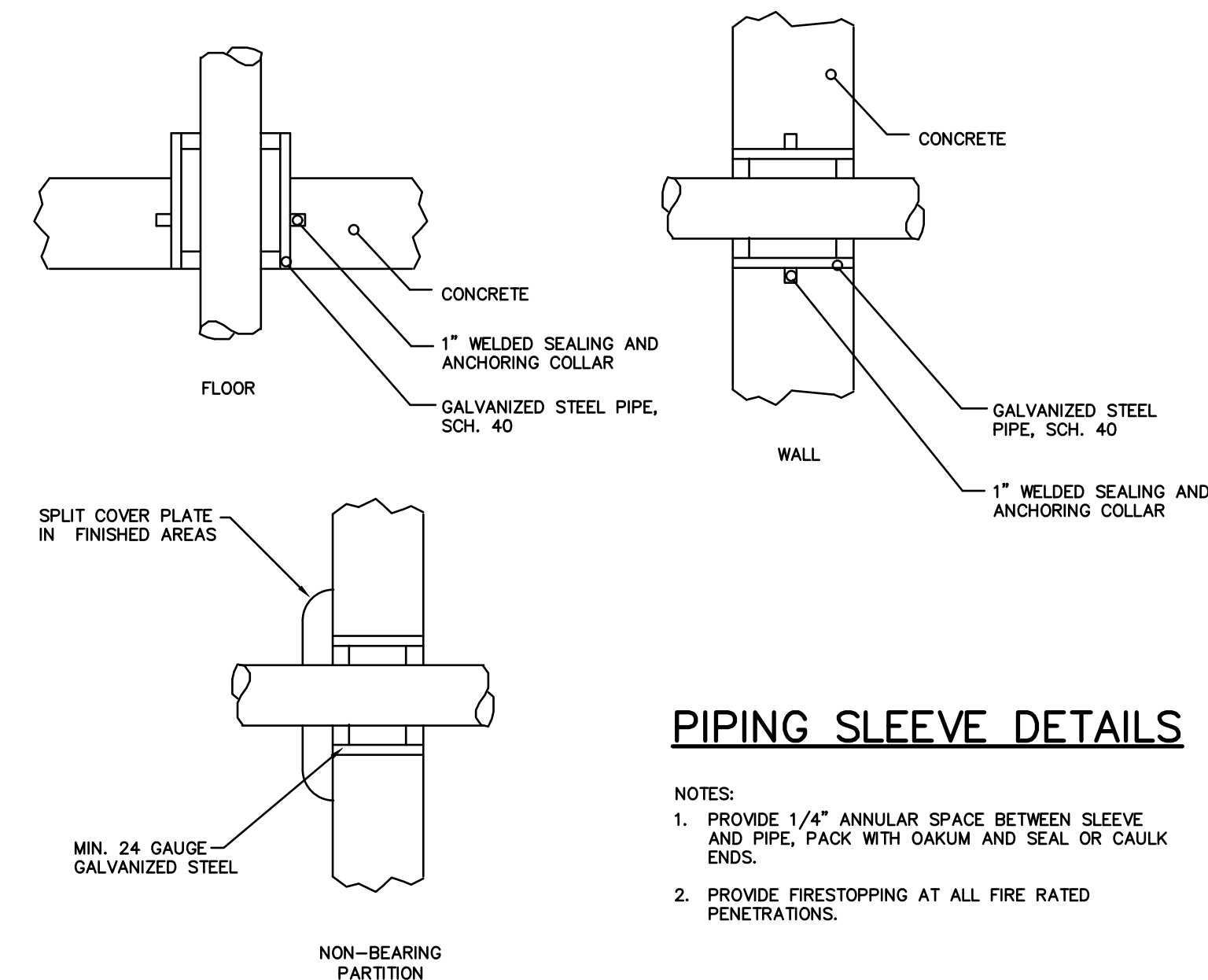
CAMPGROUND DOMESTIC WATER SUPPLY SYSTEM DEMO DETAIL

- NOTES:
1. WELLS ARE EXISTING TO REMAIN, REFER TO SITE PLAN FOR WELL LOCATIONS
 2. EXISTING WELL #HD3 HAS BEEN CAPPED AND IS NO LONGER IN USE
 3. VERIFY THE PUMP IN WELL #HD4 IS NO LONGER FUNCTIONING, REPLACE PUMP WITH SIMILAR IN KIND CHARACTERISTICS
 4. REMOVE PIPING IN BATH HOUSE RELATED TO EQUIPMENT ABOVE THAT IS SUBJECT TO REMOVAL. ALL DISTRIBUTION PIPING TO FIXTURES IN THE BATH HOUSE IS TO REMAIN



PUMP HOUSE PLAN

SCALE: 1/4" = 1'-0"
 NOTES:
 1. REFER TO DETAIL THIS SHEET



PIPING SLEEVE DETAILS

- NOTES:
1. PROVIDE 1/4" ANNUAL SPACE BETWEEN SLEEVE AND PIPE, PACK WITH OAKUM AND SEAL OR CAULK ENDS.
 2. PROVIDE FIRESTOPPING AT ALL FIRE RATED PENETRATIONS.

PUMP SCHEDULE (P)										
UNIT	LOC.	SYS.	MODEL	TYPE	GPM BV PUMP	TDH (FT)	HP	RPM	POWER	NOTES
WP-1	WELL	WELL	5GS15	SUB	3	640	1-1/2	3450	230/1	1

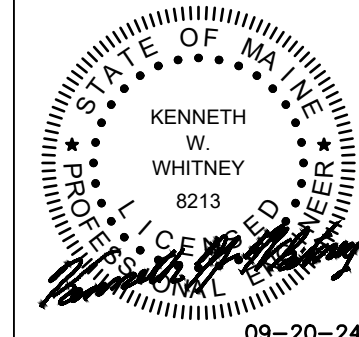
- NOTES:
 1. VERIFY THE WELL PUMP IN WELL #HD4 IS NO LONGER FUNCTIONING. REPLACE UNIT WITH A SIMILAR IN KIND UNIT. UNIT IN SCHEDULE ABOVE BASED ON GOULDS AND IS APPROXIMATE. FIELD VERIFY EXISTING PUMP MODEL AND REQUIREMENTS.

FIXTURE SCHEDULE							
UNIT	DESCRIPTION	MIN. LINE SIZE (IN.)					NOTES
		W	V	H	C	G	
P-3A	PORTABLE EYE WASH	-	-	-	-	-	-

- NOTES:
 1. UNIT IS NOT PIPED

Hewett & Whitney
 ENGINEERS & DESIGNERS
 ELECTRICAL & MECHANICAL SYSTEMS
 161 MAIN STREET WINTHROP, MAINE
 Tel 207-377-6969 Fax 207-377-7584
 PLOT DATE: Sep 19, 2024

LMA
 LEWIS & MALM
 ARCHITECTURE
 EST. 1983



GC BID SET

REV	DATE

LEMOINE STATE PARK
 LEMOINE MAINE

WELL SYSTEM UPGRADES
 PLUMBING SCHEDULES & DETAILS

2308.01

P401

DRAWING SCHEDULE

DWG#	TITLE
A0	COVER & DRAWINGS SCHEDULE
C500	SITE REMOVALS PLAN
C501	SITE LAYOUT PLAN
C502	SITE DETAILS
R500	REMOVALS FLOOR PLAN
R501	REMOVALS ELEVATION
A500	FIRST FLOOR PLAN
A501	ELEVATIONS
A502	BUILDING SECTION, WINDOW & DOOR TYPES
A503	FOUNDATION PLAN
A504	FRAMING PLAN
A505	WINDOW & DOOR DETAILS
A506	INTERIOR ELEVATIONS
A507	CASEWORK DETAILS
A508	GATE DETAILS
E501	ELECTRICAL PLAN
P501	PLUMBING PLANS, SCHEDULE DETAILS

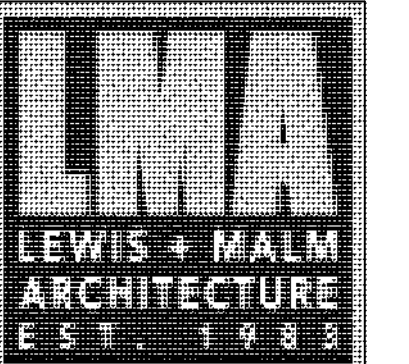
LAMOINE STATE PARK GATEHOUSE RENOVATION

GENERAL CONTRACTOR BID SET

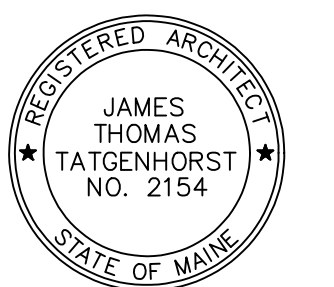
20.SEPTEMBER.2024

ABBREVIATIONS

BOD	BASIS OF DESIGN	PTD	PAINTED
UNO	UNLESS OTHERWISE NOTED	EPS	EXTRUDED POLYSTYRENE
CMU	CONCRETE MASONRY UNIT	LED	LIGHT-EMITTING DIODE
CH	CEILING HEIGHT	REQ	REQUIRED
WC	WATER CLOSET (TOILET)	ABI	ALTERNATE BID ITEM
TYP	TYPICAL	DIAM	DIAMETER
CS/CI	CONTRACTOR SUPPLIED / CONTRACTOR INSTALLED	NTS	NOT TO SCALE
VS/OI	VENDOR SUPPLIED / OWNER INSTALLED	PVC	POLYVINYL CHLORIDE WELDED SEAM FLOORING
OS/OI	OWNER SUPPLIED / OWNER INSTALLED	MIN	MINIMUM
FRP	FIBER REINFORCED PANEL	DWG	DRAWING
W	WOMEN'S	SIP	STRUCTURAL INSULATED PANEL
M	MEN'S	REQ	REQUIRED
GN	GENDER NEUTRAL	MECH	MECHANICAL
J	JANITOR	EX	EXISTING
AFF	ABOVE FINISH FLOOR	EXT	EXTERIOR
CL	CENTER LINE	NIC	NOT IN CONTRACT



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REV	DATE

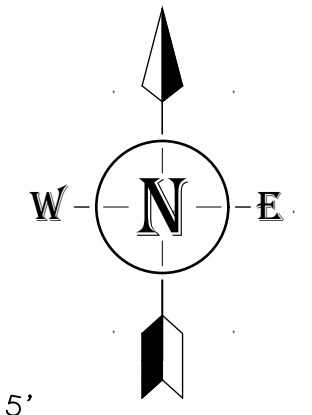
LAMOINE STATE PARK GATEHOUSE RENOVATION
LAMOINE, MAINE

COVER & DRAWING SCHEDULE

2308.01

A0

NOT FOR CONSTRUCTION GC BID SET



REVISIONS	BY
REVISION DESCRIPTION	
DATE	
NUMBER	

STATE OF MAINE
BUREAU OF PARKS & LANDS
106 HOGAN RD., SUITE 7
BANGOR, ME 04401

2308.01
LAMOINE STATE PARK
BGS 3519
611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

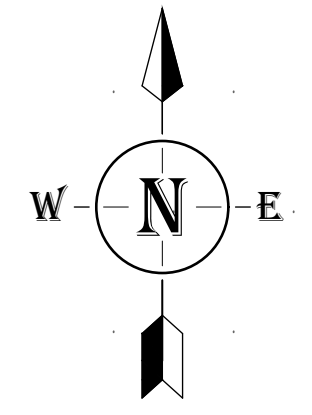
SHEET TITLE:
PROJECT 3C
ENTRY BLDG & GATE
SITE REMOVALS PLAN

D&K PROJECT # 229287	PROJ. ENG. JSK
DRAWN BY EBS	CHECKED BY JSK

DATE
20SEPT2024

SHEET NUMBER
C500

NOT FOR CONSTRUCTION GC BID SET



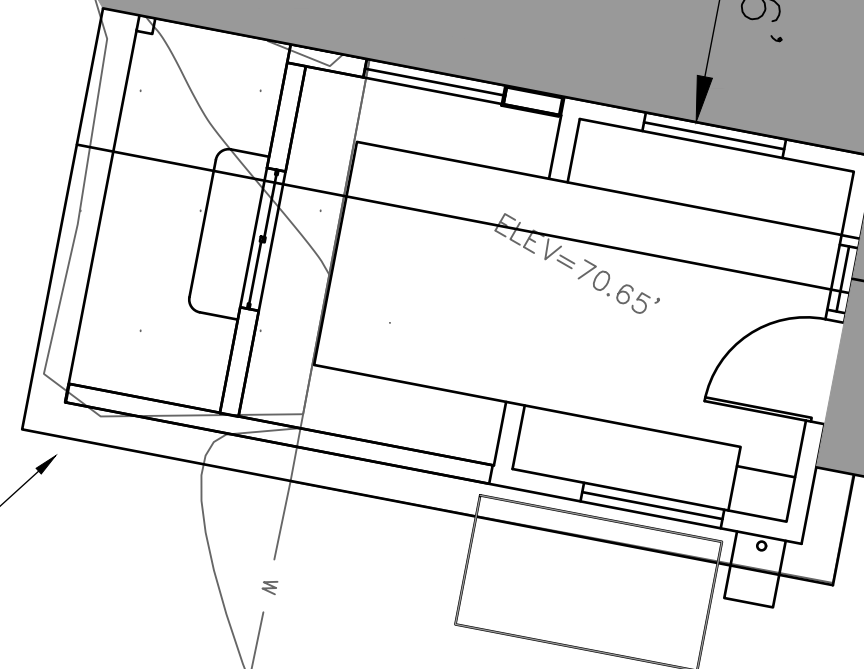
UPPER PARKING LOT

NEW HOT MIX ASPHALT SIDEWALK

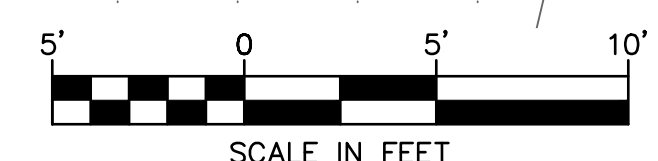
NEW VERTICAL SLIP FORM CONC. CURB

NEW GATE HOUSE RENOVATION & ADDITION (SEE ARCH. DWGS)

NEW GATE (SEE ARCH DWGS)



R25'



REVISIONS	REVISION DESCRIPTION	DATE	NUMBER	BY

STATE OF MAINE
 BUREAU OF PARKS & LANDS
 106 HOGAN RD.,
 SUITE 7
 BANGOR, ME 04401

2308.01
 LAMOINE STATE PARK
 BGS 3519
 611 LAMOINE BEACH RD.
 LAMOINE BEACH, ME 04605

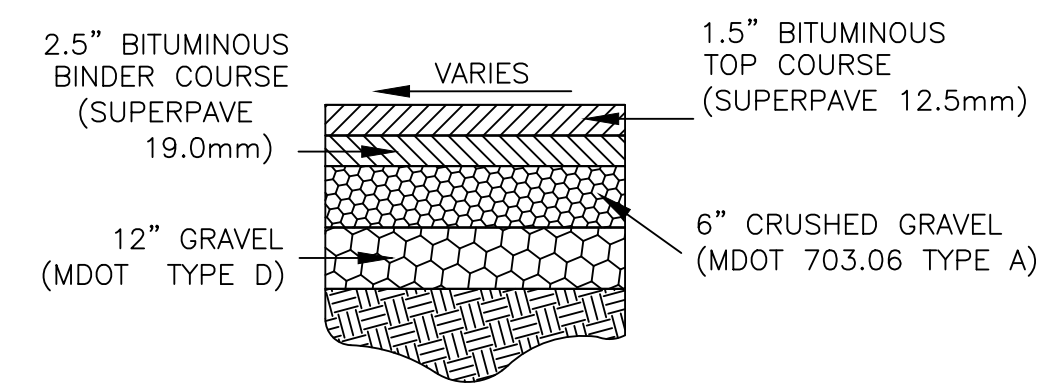
SHEET TITLE:
 PROJECT 3C
 ENTRY BLDG & GATE
 SITE LAYOUT PLAN

D&K PROJECT # 229287	PROJ. ENG. JSK
DRAWN BY EBS	CHECKED BY JSK

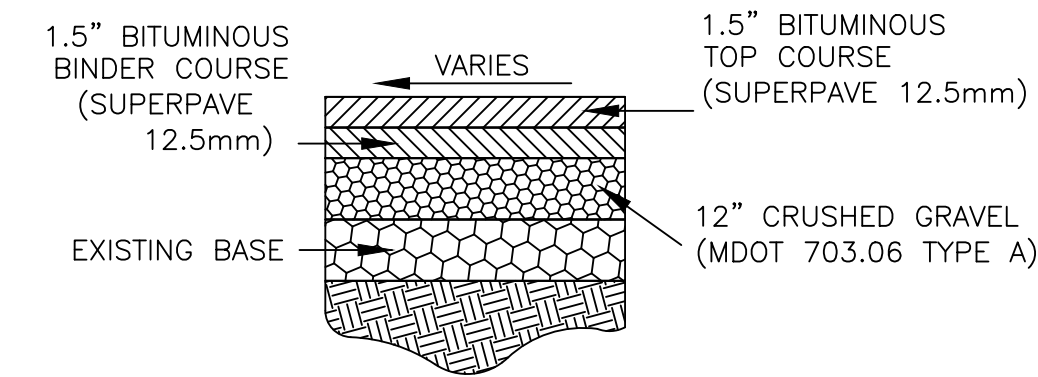
DATE
20SEPT2024

SHEET NUMBER
C501

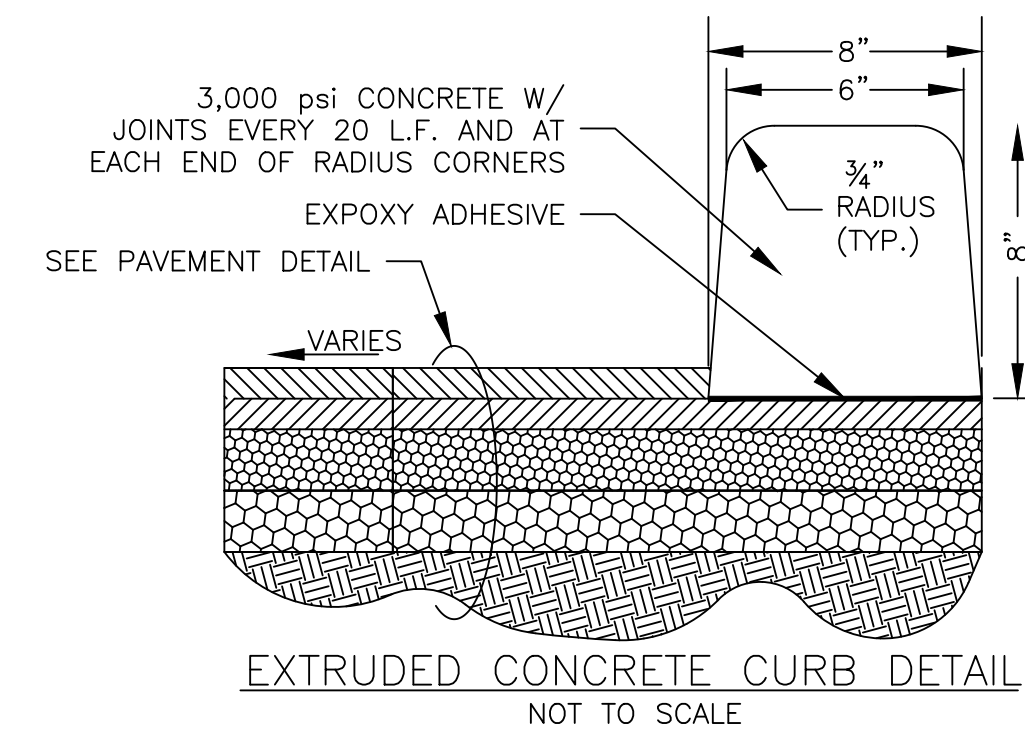
**NOT FOR
CONSTRUCTION
GC BID SET**



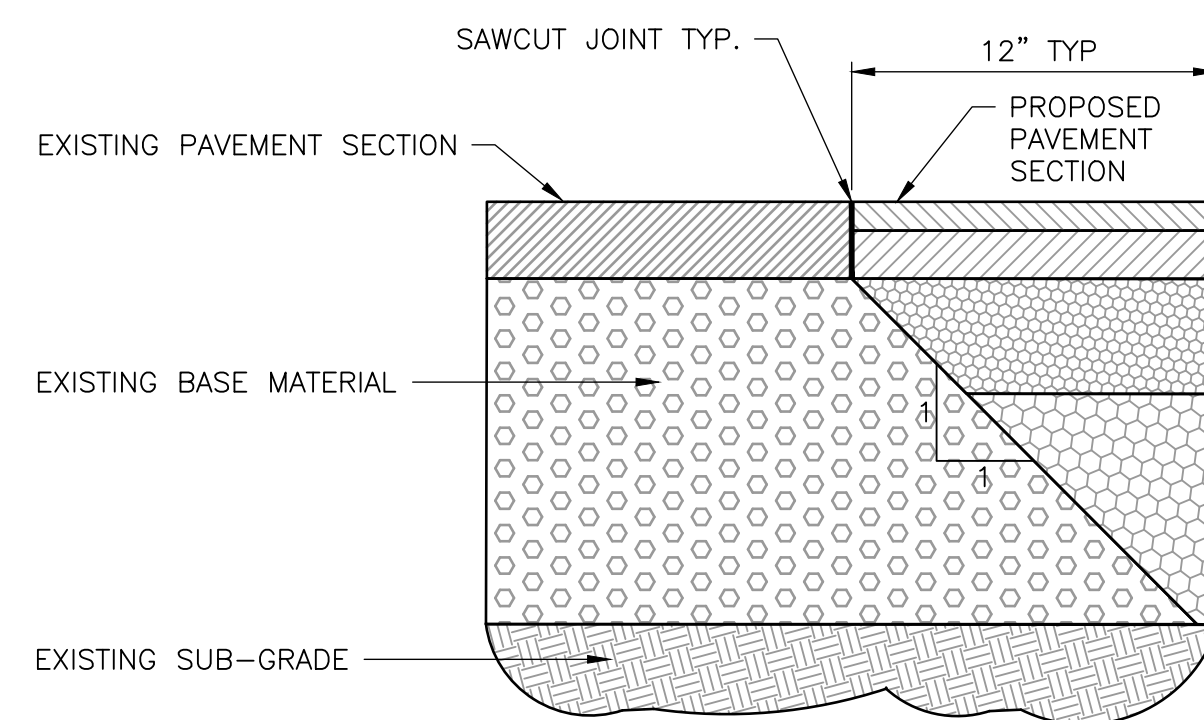
TYPICAL PAVEMENT DETAIL
NOT TO SCALE



TYPICAL SIDEWALK DETAIL
NOT TO SCALE



EXTRUDED CONCRETE CURB DETAIL
NOT TO SCALE



SAWCUT TRANSITION
NOT TO SCALE

Note:

1. APPLY TACK COAT TO CLEAN, SMOOTH VERTICAL SAWCUT EDGE OF EXISTING PAVEMENT

REVISIONS	BY	DATE	NUMBER	REVISION DESCRIPTION

STATE OF MAINE
BUREAU OF PARKS &
LANDS

106 HOGAN RD.,
SUITE 7
BANGOR, ME 04401

2308.01
LAMOINE
STATE PARK
BGS 3519

611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

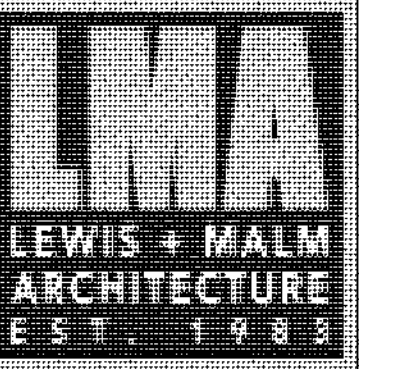
SHEET TITLE:
PROJECT 3C
ENTRY BLDG & GATE
SITE DETAILS

D&K PROJECT # 229287	PROJ. ENG. JSK
DRAWN BY EBS	CHECKED BY JSK

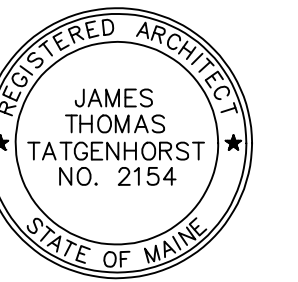
DATE
20SEPT2024

SHEET NUMBER

C502



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BUCKSPORT
MAINE 04416
207.469.7440



GC BID SET

20SEP2024

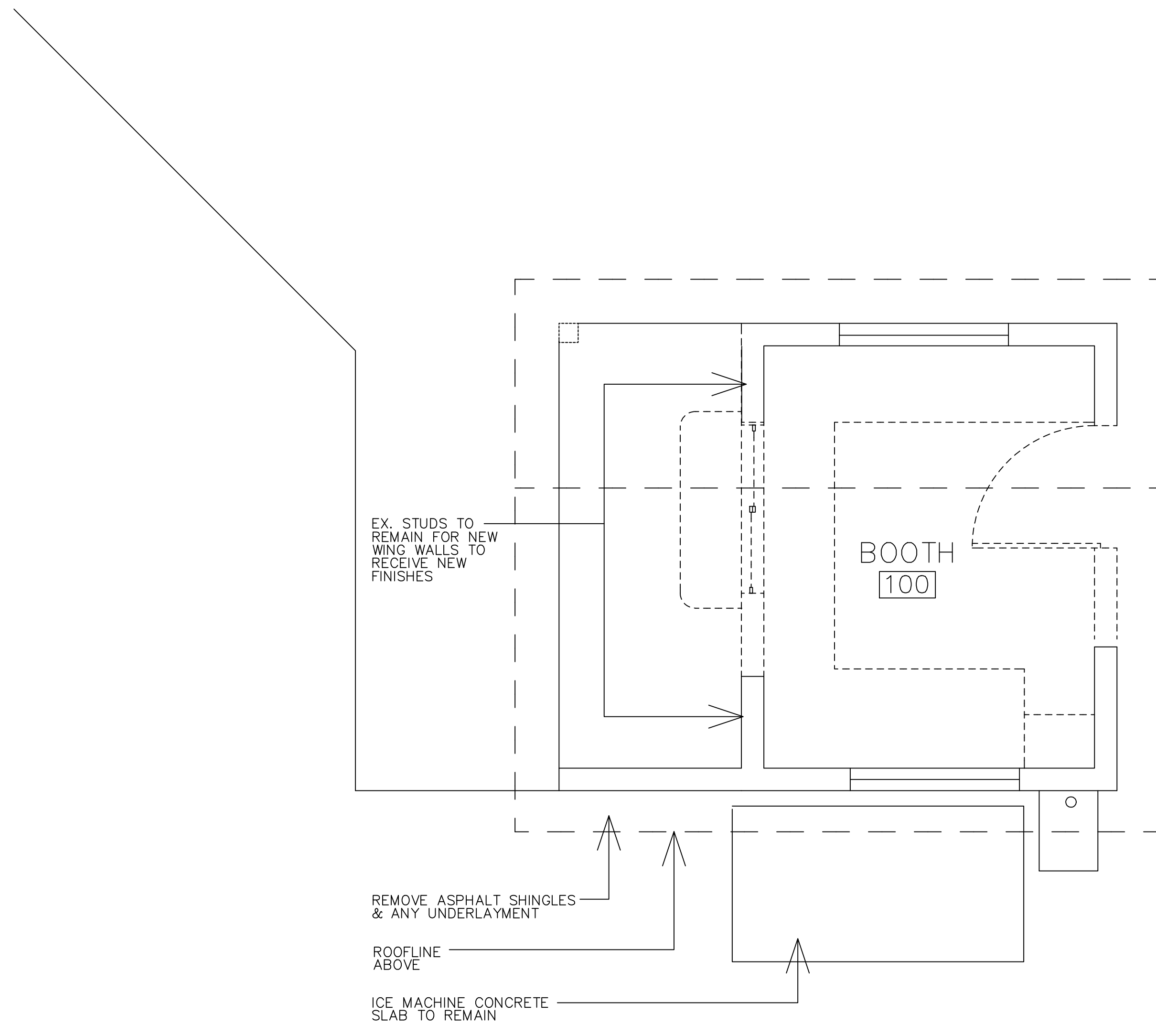
REV	DATE

LAMOINE STATE PARK ENTRY BOOTH ADDITION
LAMOINE, MAINE

REMOVALS FLOOR PLAN

2308.1

R500

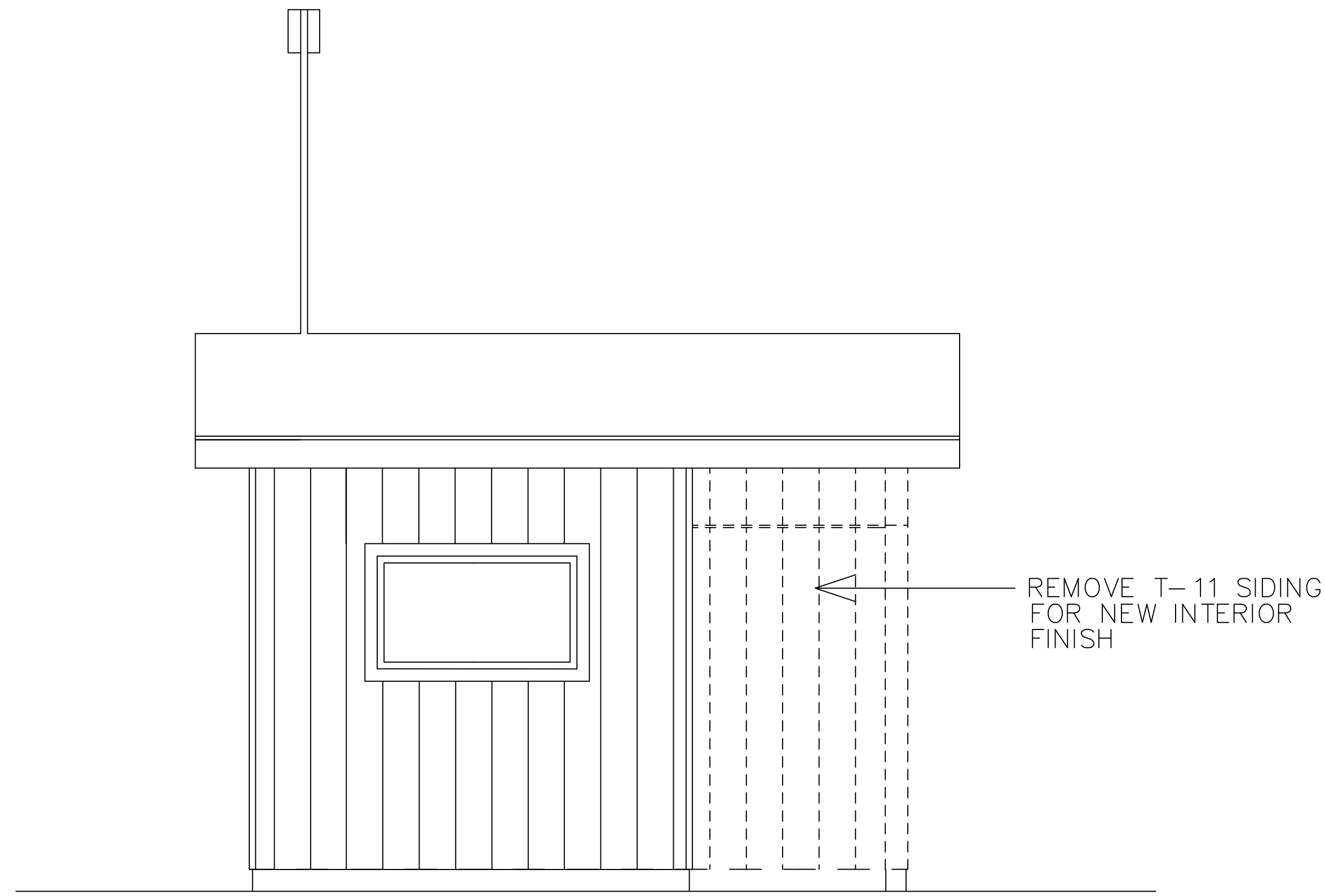


LEGEND
----- TO BE REMOVED

1
R300

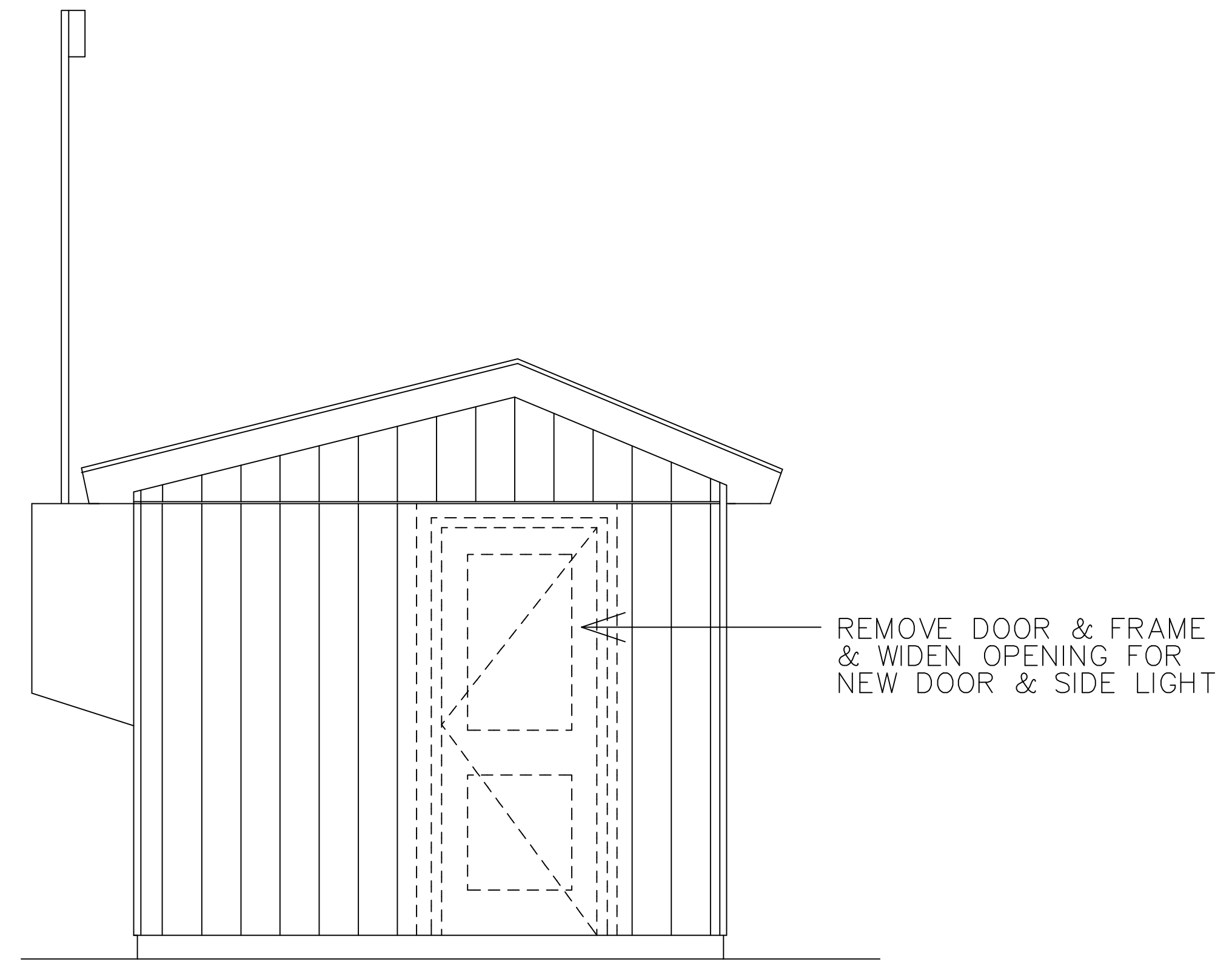
REMOVALS PLAN

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



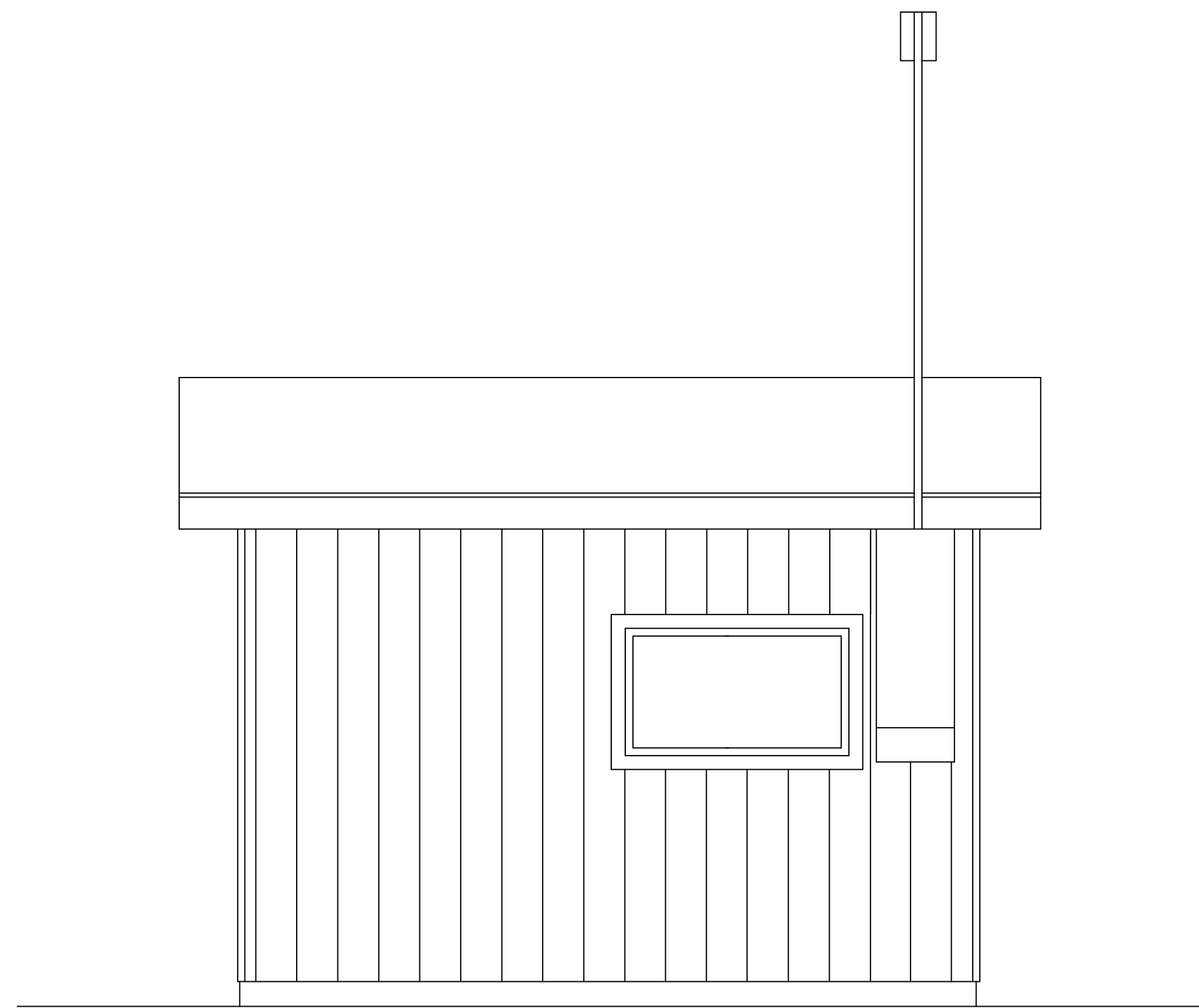
REMOVE T-11 SIDING
FOR NEW INTERIOR
FINISH

1 NORTH ELEVATION
R501 SCALE: 1/2" = 1'-0"

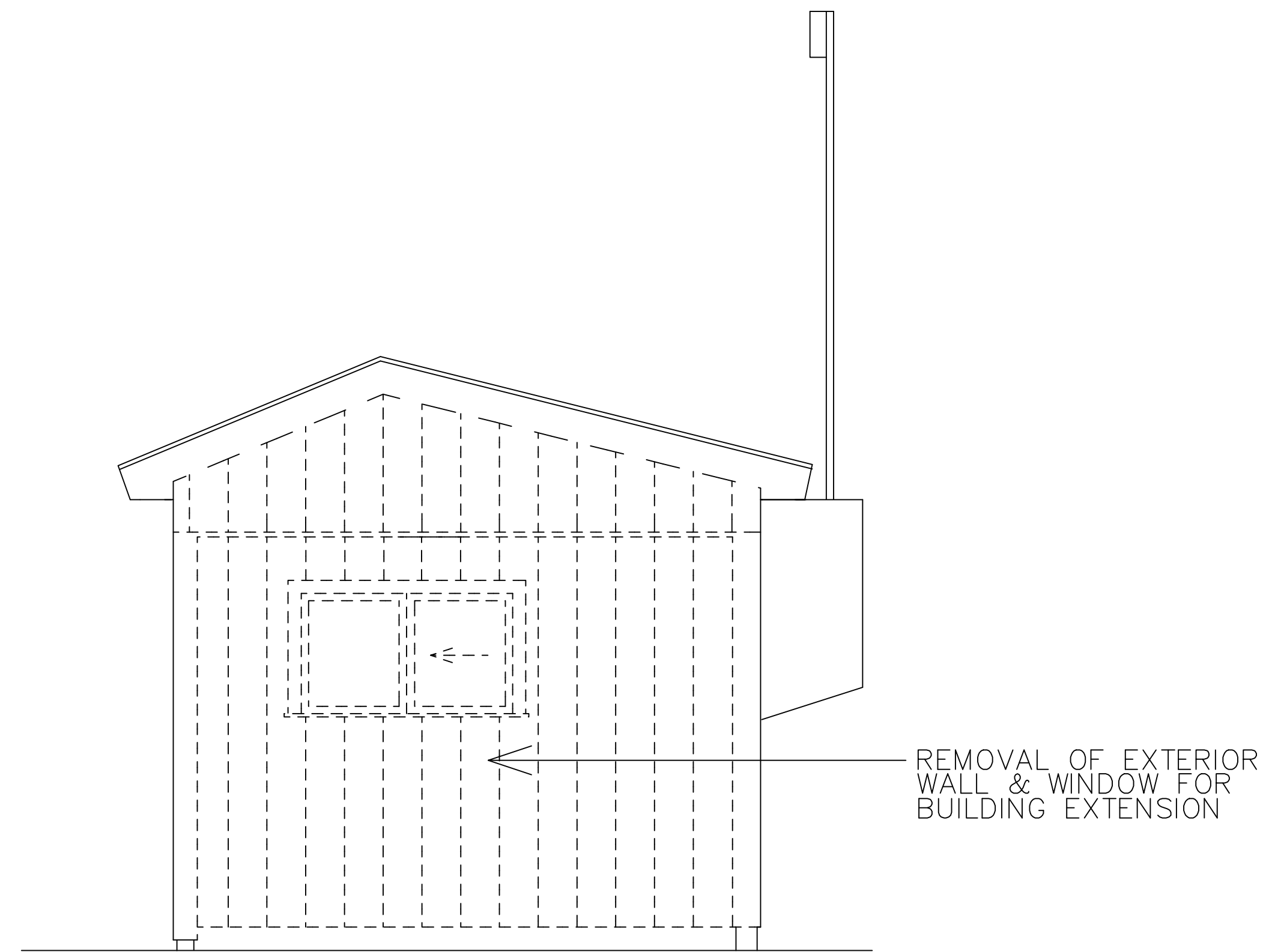


REMOVE DOOR & FRAME
& WIDEN OPENING FOR
NEW DOOR & SIDE LIGHT

2 EAST ELEVATION
R501 SCALE: 1/2" = 1'-0"



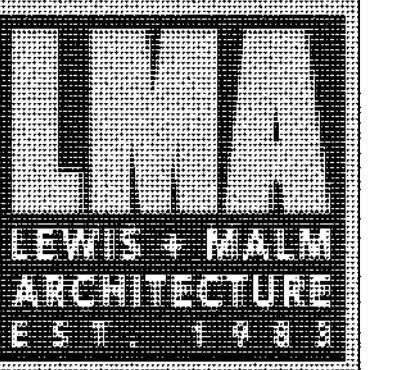
3 SOUTH ELEVATION
R501 SCALE: 1/2" = 1'-0"



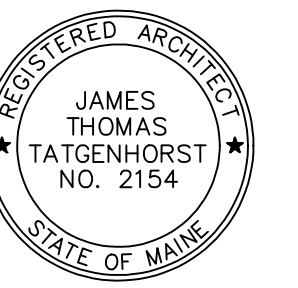
REMOVAL OF EXTERIOR
WALL & WINDOW FOR
BUILDING EXTENSION

4 WEST ELEVATION
R501 SCALE: 1/2" = 1'-0"

LEGEND	
----	TO BE REMOVED



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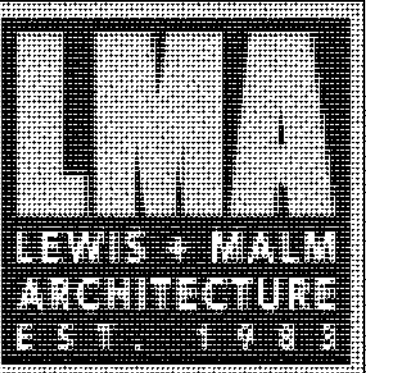
REV	DATE

LAMOINE STATE PARK ENTRY BOOTH ADDITION
LAMOINE, MAINE

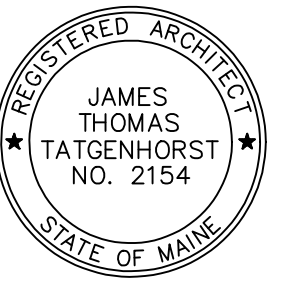
REMOVALS ELEVATIONS

2308.1

R501



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GC BID SET

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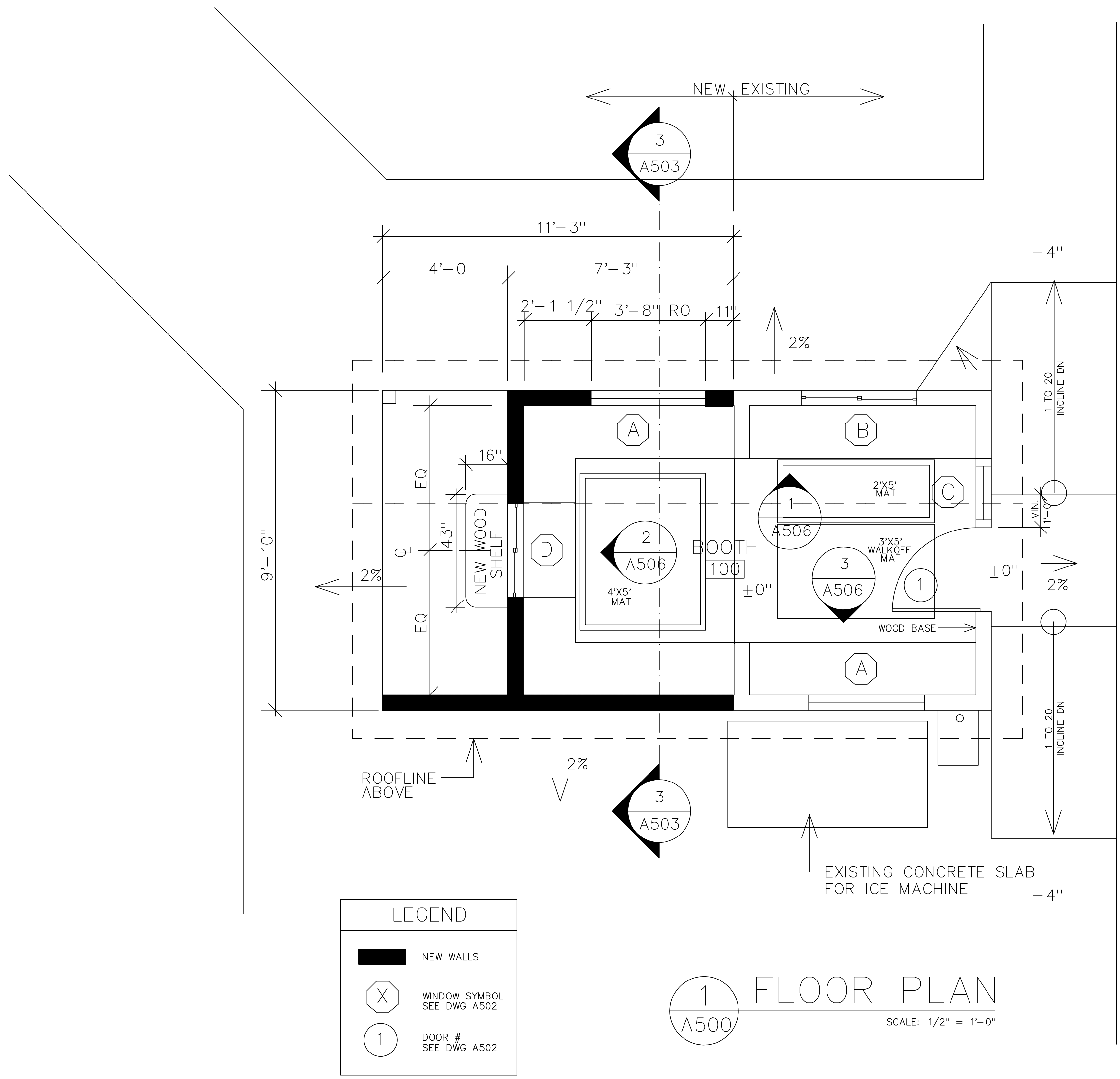
REV DATE

LAMOINE STATE PARK ENTRY BOOTH ADDITION
LAMOINE, MAINE

FLOOR PLAN

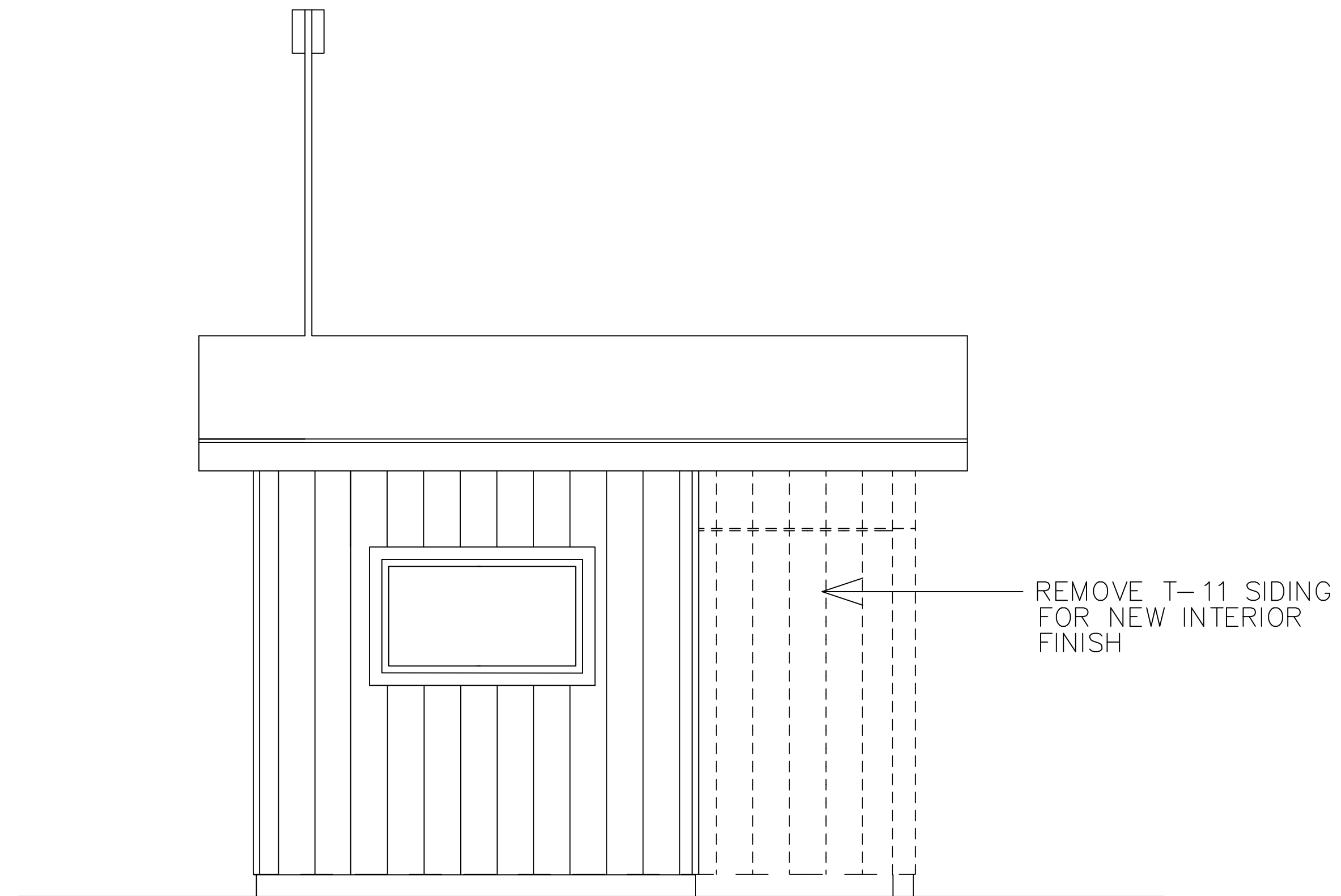
2308.1

A500

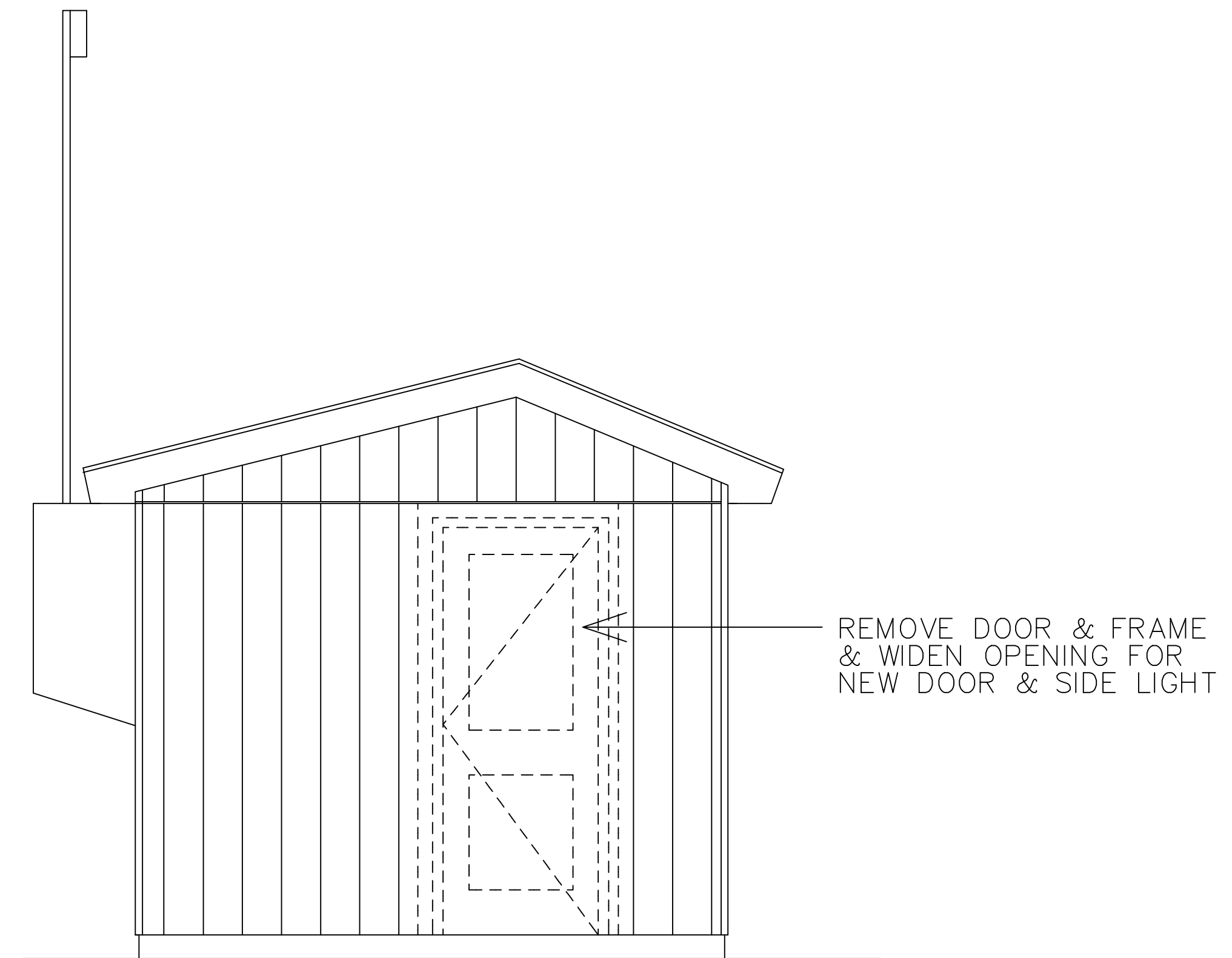


LEGEND	
	NEW WALLS
	WINDOW SYMBOL SEE DWG A502
	DOOR # SEE DWG A502

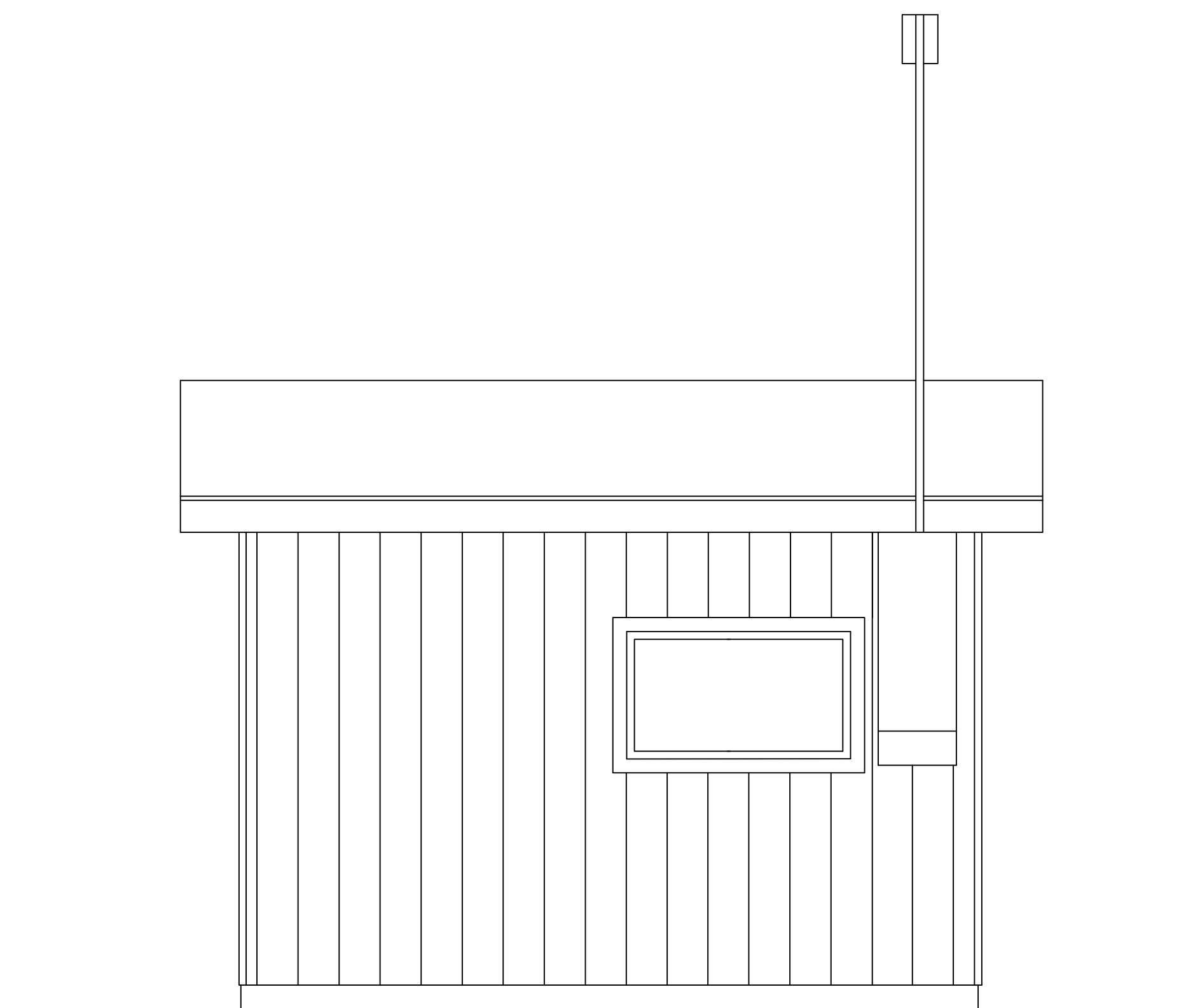
1 FLOOR PLAN
A500 SCALE: 1/2" = 1'-0"



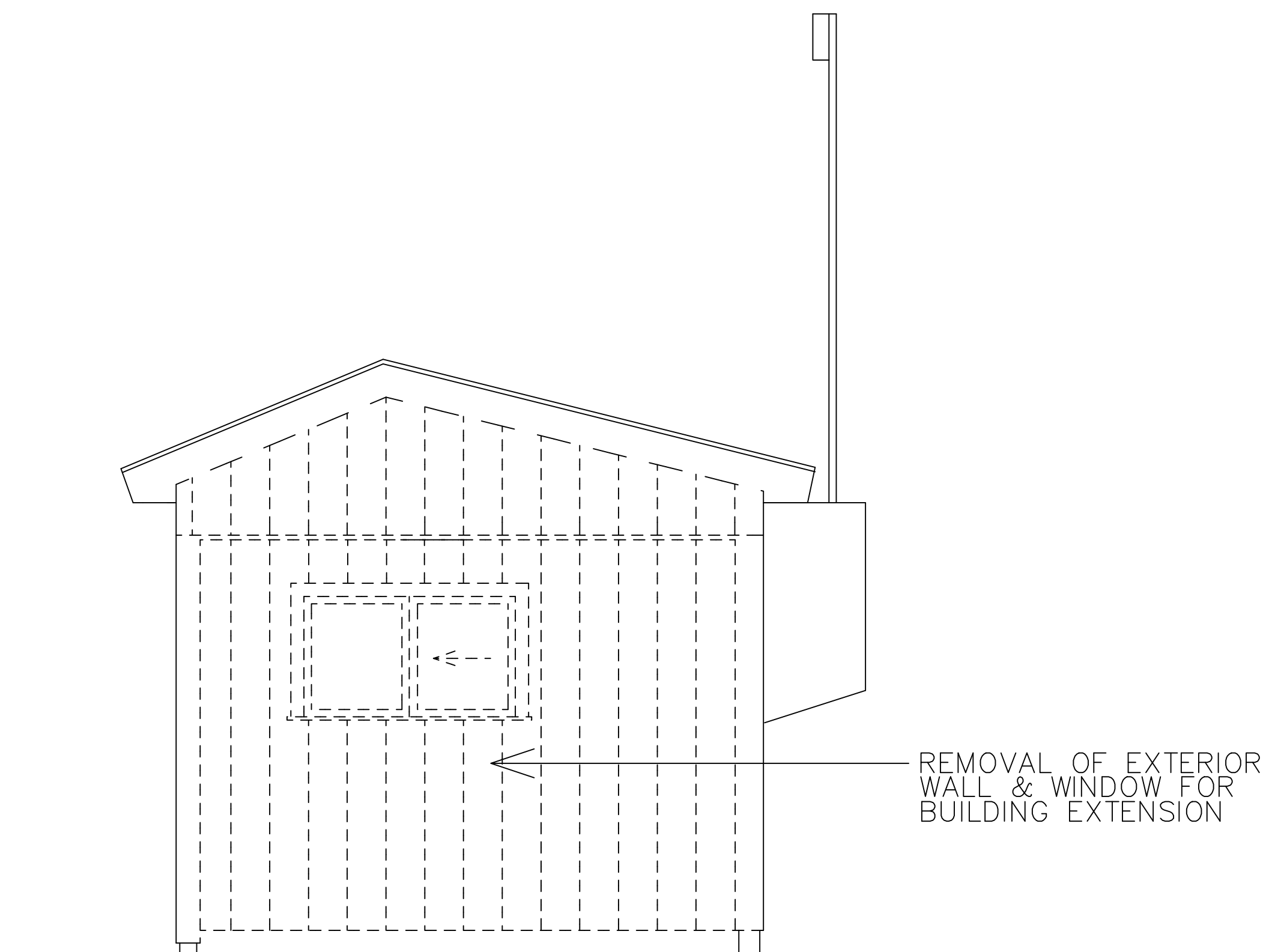
1 NORTH ELEVATION
R501 SCALE: 1/2" = 1'-0"



2 EAST ELEVATION
R501 SCALE: 1/2" = 1'-0"

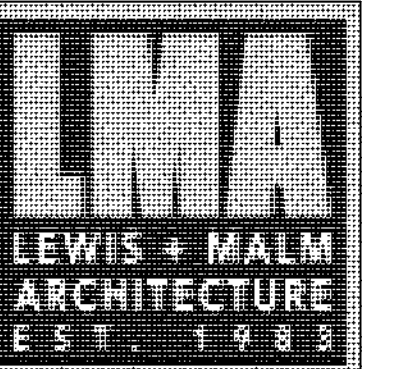


3 SOUTH ELEVATION
R501 SCALE: 1/2" = 1'-0"

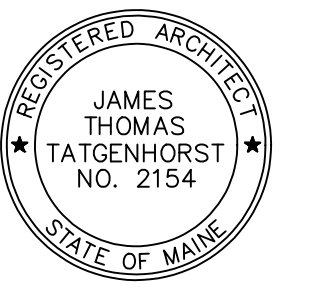


4 WEST ELEVATION
R501 SCALE: 1/2" = 1'-0"

LEGEND
----- TO BE REMOVED



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GC BID SET

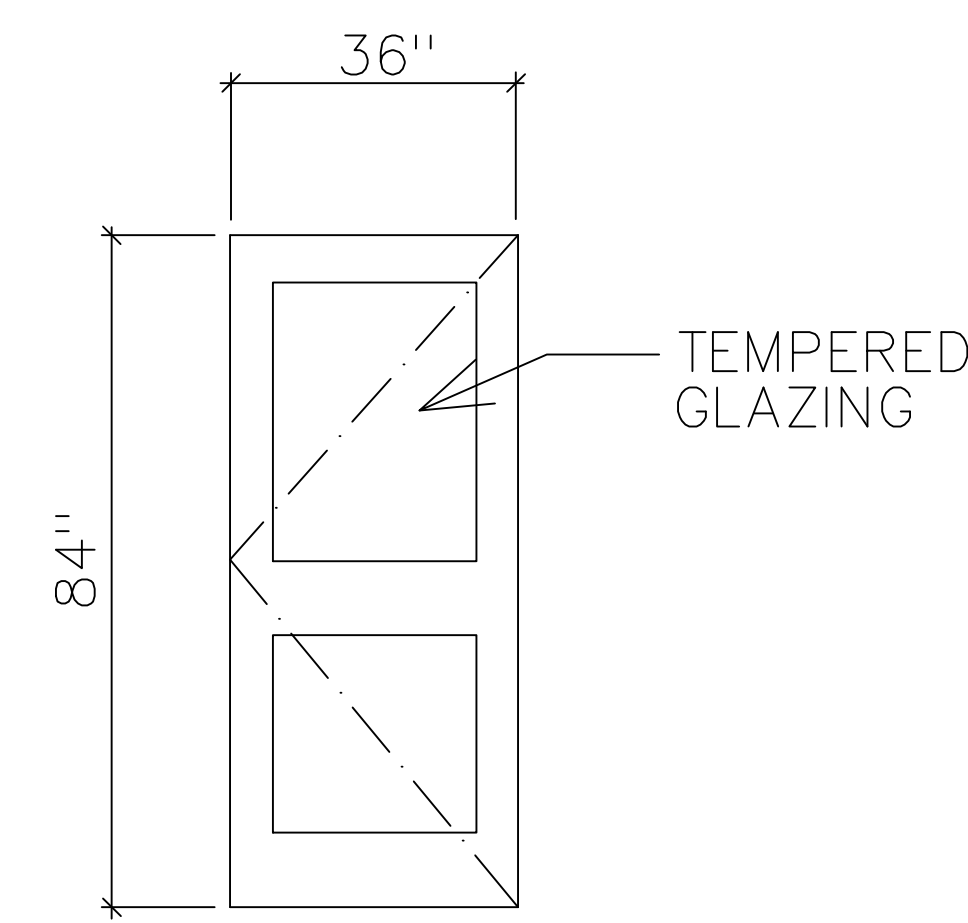
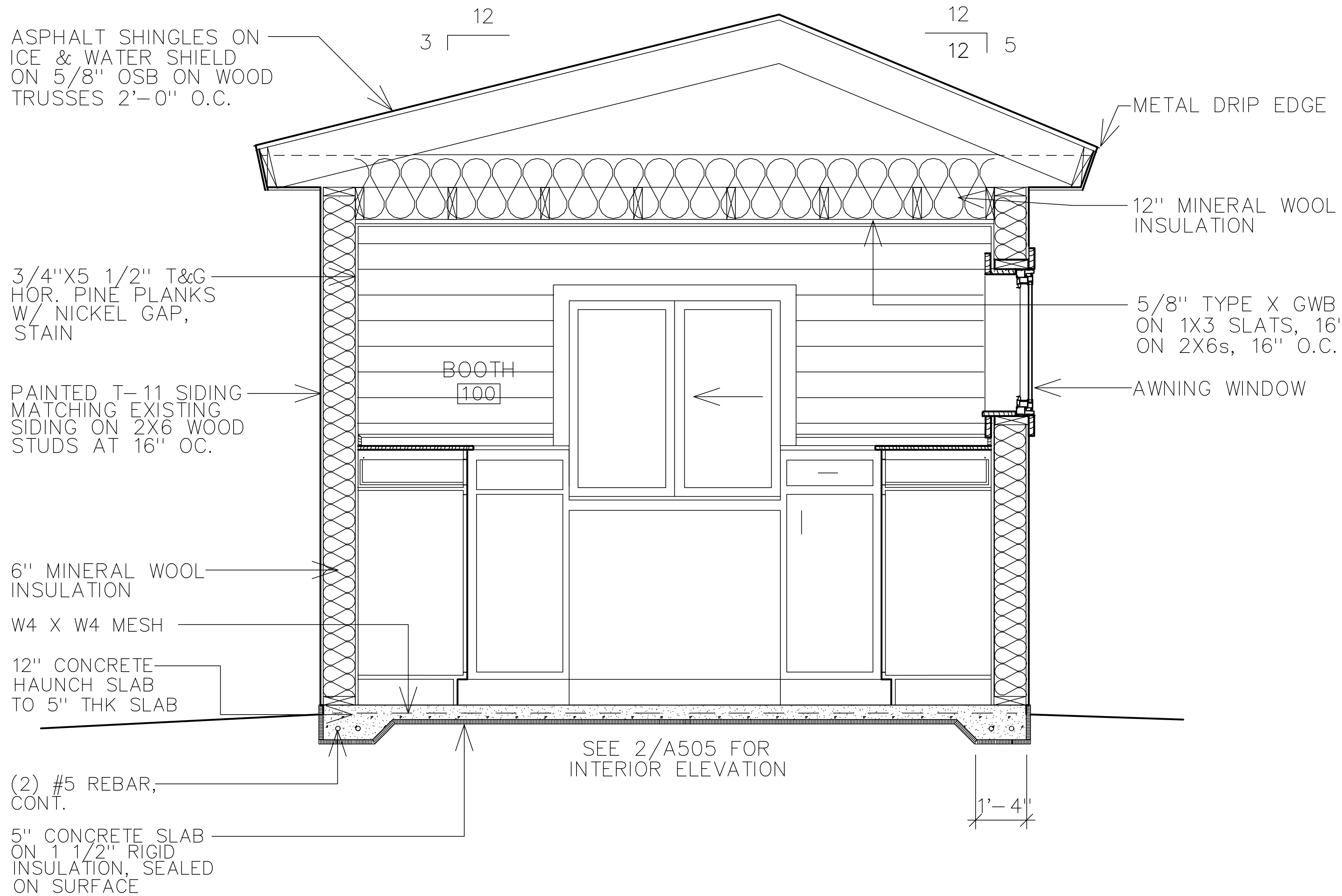
20SEP2024

REV	DATE

LAMOINE STATE PARK ENTRY BOOTH ADDITION
LAMOINE, MAINE
REMOVALS ELEVATION

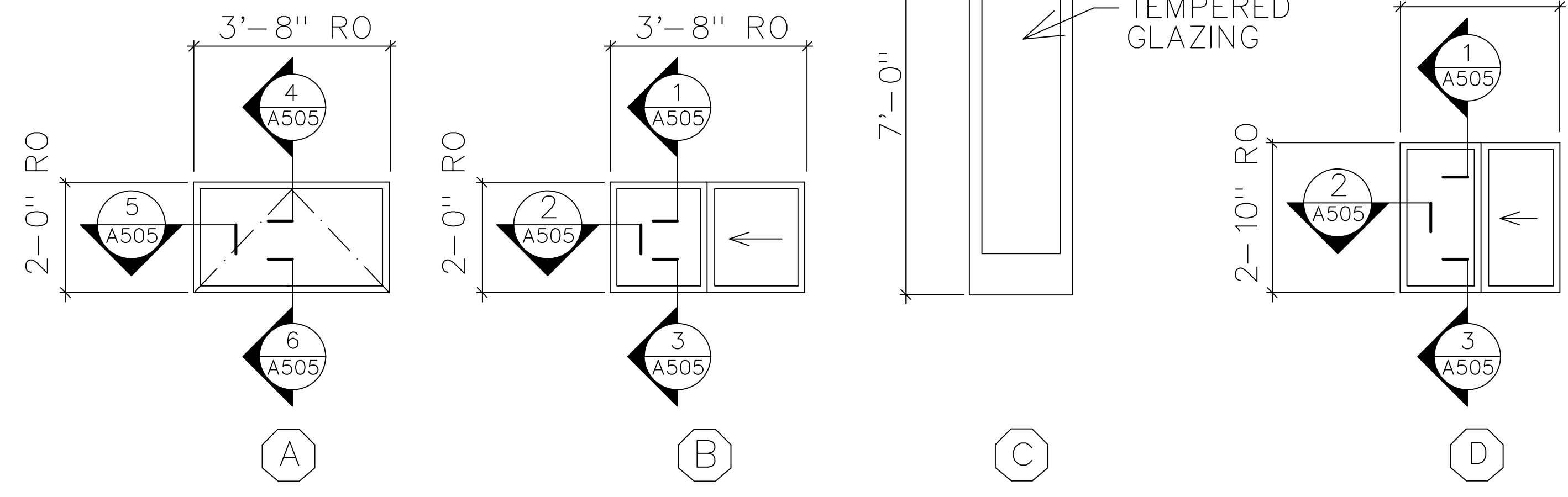
2308.1

R501



2 DOOR TYPES
A502 SCALE: 1/4" = 1'-0"

1 BUILDING SECTION
A502 SCALE: 1" = 1'-0"

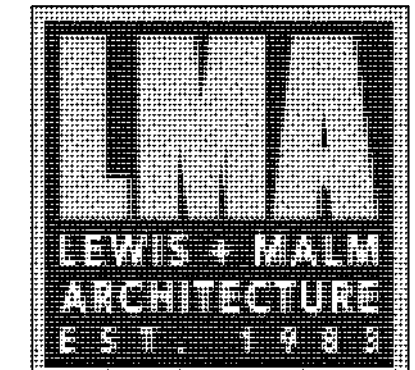


3 WINDOW TYPES
A502 SCALE: 1/4" = 1'-0"

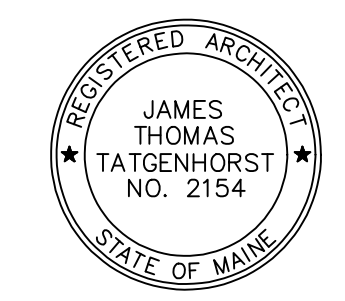
WINDOW SCHEDULE											
TYPE	PRODUCT LINE	QTY	ROUGH OPNG	FRAME SIZE	INT FINISH	EXT FINISH	UNIT TYPE	HEAD	DETAILS JAMB	SILL	GLASS INFORMATION
A	ESSENTIAL	2	44" X 24"	43 1/2" X 23 1/2"	BRONZE	BRONZE	AWNING	4/A505	5/A505	6/A505	IG, LOW E2 W/ ARGON, STAINLESS
B	ESSENTIAL	1	44" X 24"	43 1/2" X 23 1/2"	BRONZE	BRONZE	SLIDER	1/A505	2/A505	3/A505	IG, LOW E2 W/ ARGON, STAINLESS
D	ESSENTIAL	1	36" X 34"	35 1/2" X 33 1/2"	BRONZE	BRONZE	SLIDER	1/A505	2/A505	3/A505	IG, LOW E2 W/ ARGON, STAINLESS

DOOR SCHEDULE												
NO.	LOCATION FROM TO	SING PAIR	TYPE	WIDTH	HEIGHT	THICK	FINISH	UL LABEL	HEAD	DETAILS JAMB	SILL	REMARKS
1	EXT BOOTH	X	A	3'-0"	7'-0"	1 3/4"	PAINT	—	7/A505	7/A505	8/A505	

DOOR HARDWARE: SARGENT 10G37 CYLINDRICAL LOCK & D211 DEADBOLT - FINISH SATIN NICKEL; HINGE - MCKINNEY TA2714, 4 1/2" X 4 1/2"



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GC BID SET

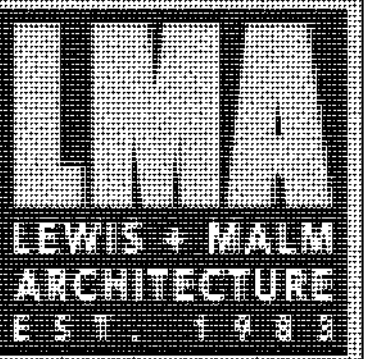
20SEP2024

REV	DATE

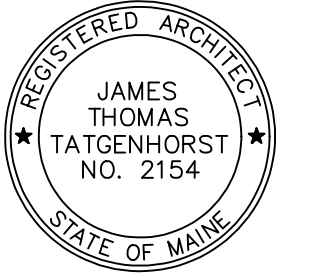
LAMOINE STATE PARK ENTRY BOOTH ADDITION
LAMOINE, MAINE
BUILDING SECTION, WINDOW & DOOR TYPES

2308.1

A502



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MAINE 04416
207.469.7440



GC BID SET

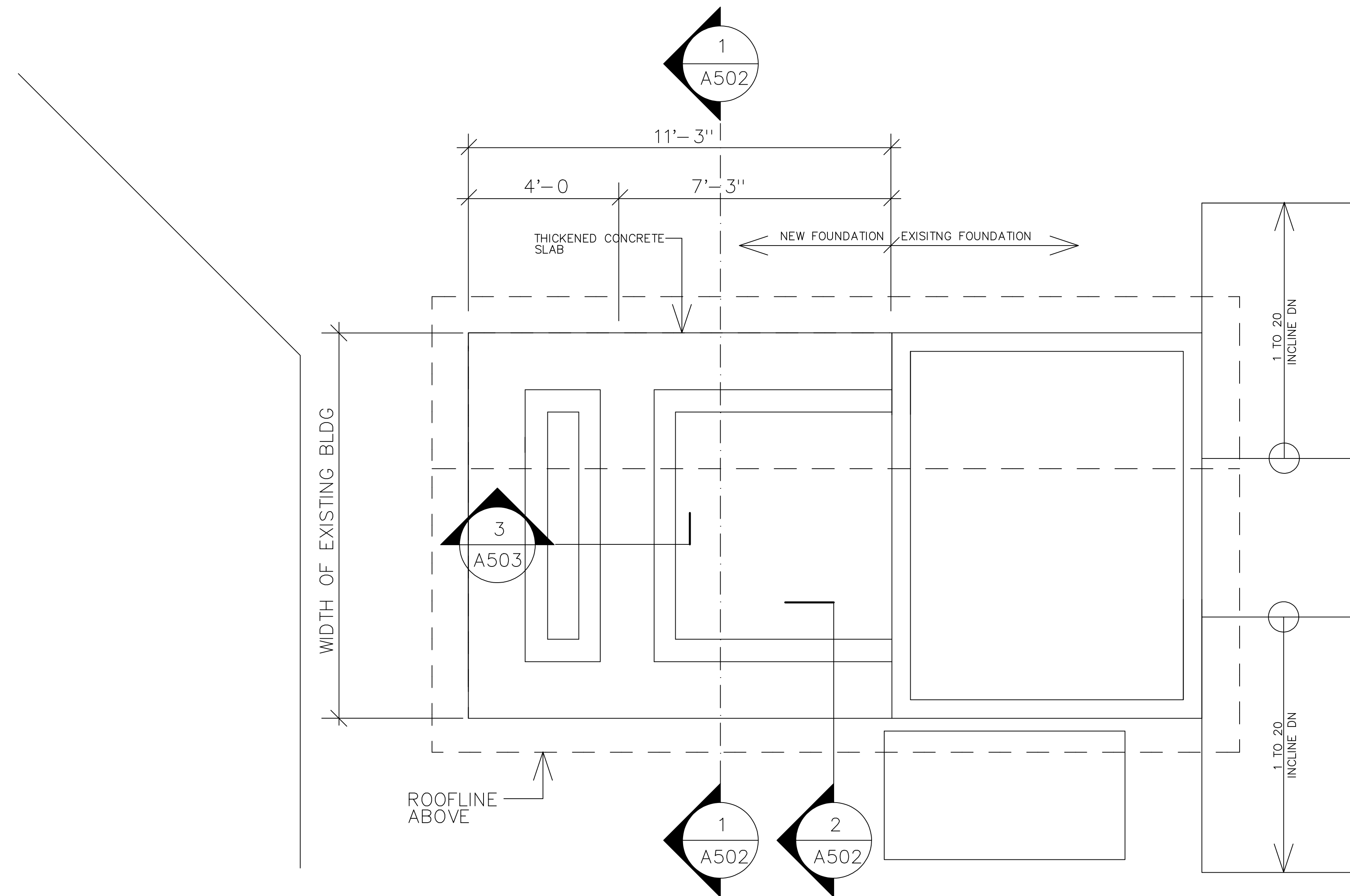
20SEP2024
REV DATE

LAMOINE STATE PARK ENTRY BOOTH ADDITION
LAMOINE, MAINE

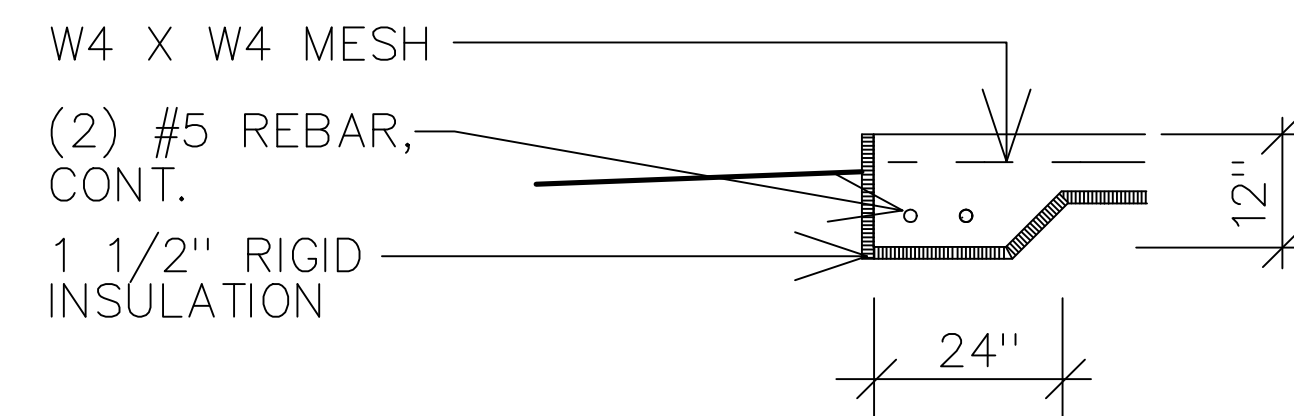
FOUNDATION PLAN

2308.1

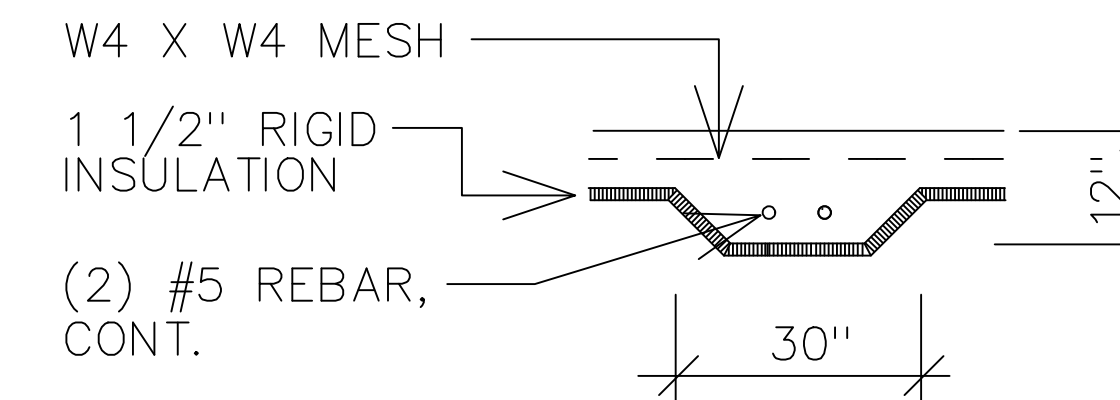
A503



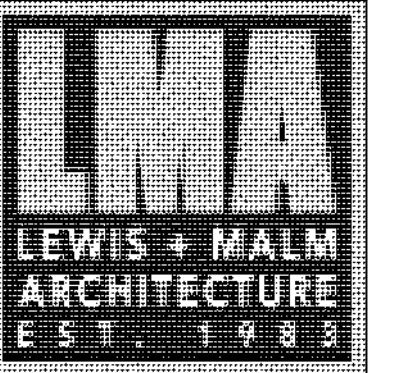
1 FOUNDATION PLAN
A503 SCALE: 1/2" = 1'-0"



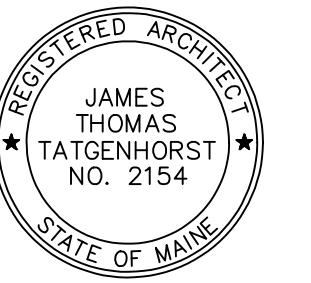
2 THICKENED SLAB
A503 SCALE: 1/2" = 1'-0"



3 THICKENED SLAB
A503 SCALE: 1/2" = 1'-0"



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MAINE 04416
207.469.7440



GC BID SET

20SEP2024

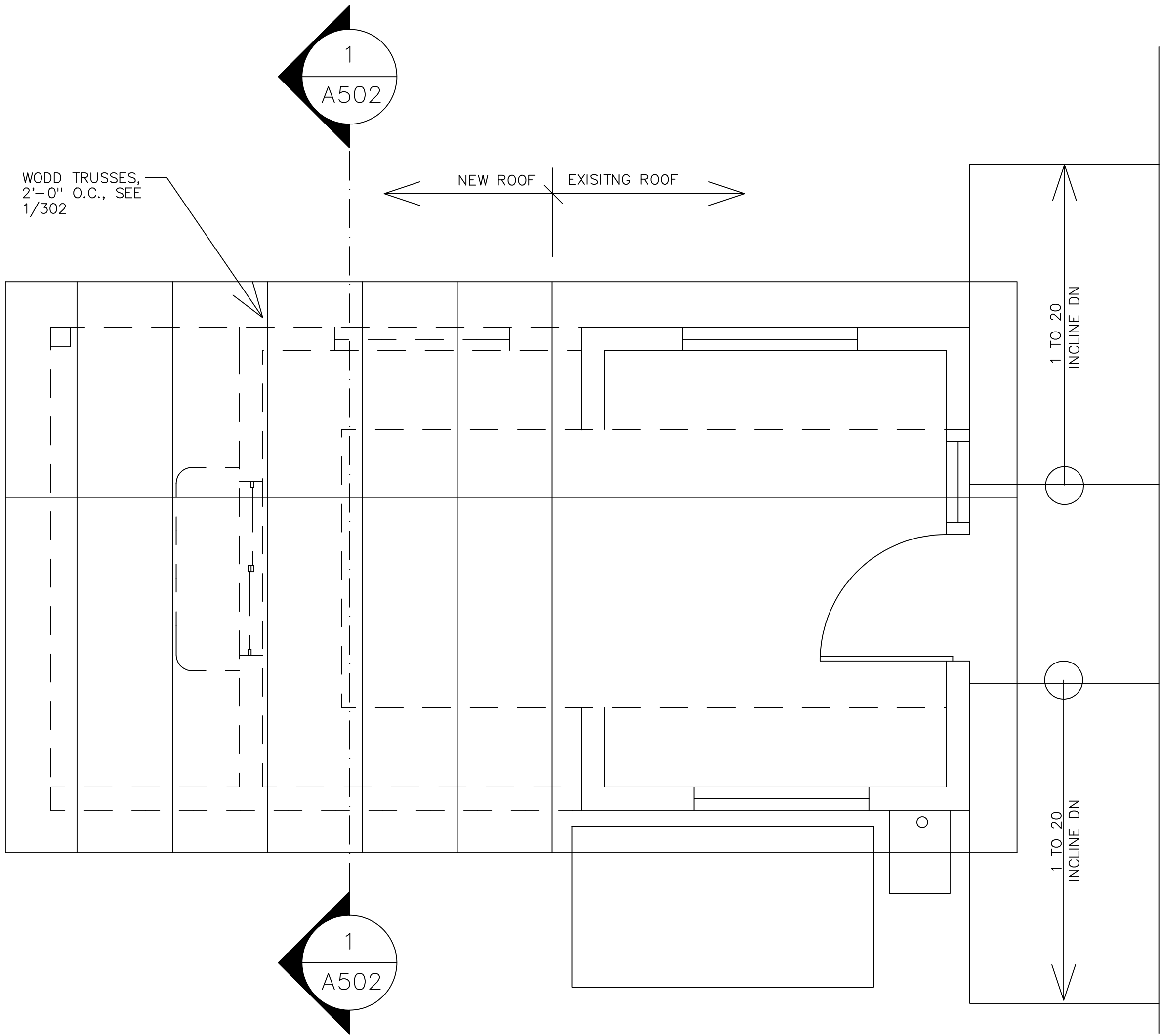
REV	DATE

LAMOINE STATE PARK ENTRY BOOTH ADDITION
LAMOINE, MAINE

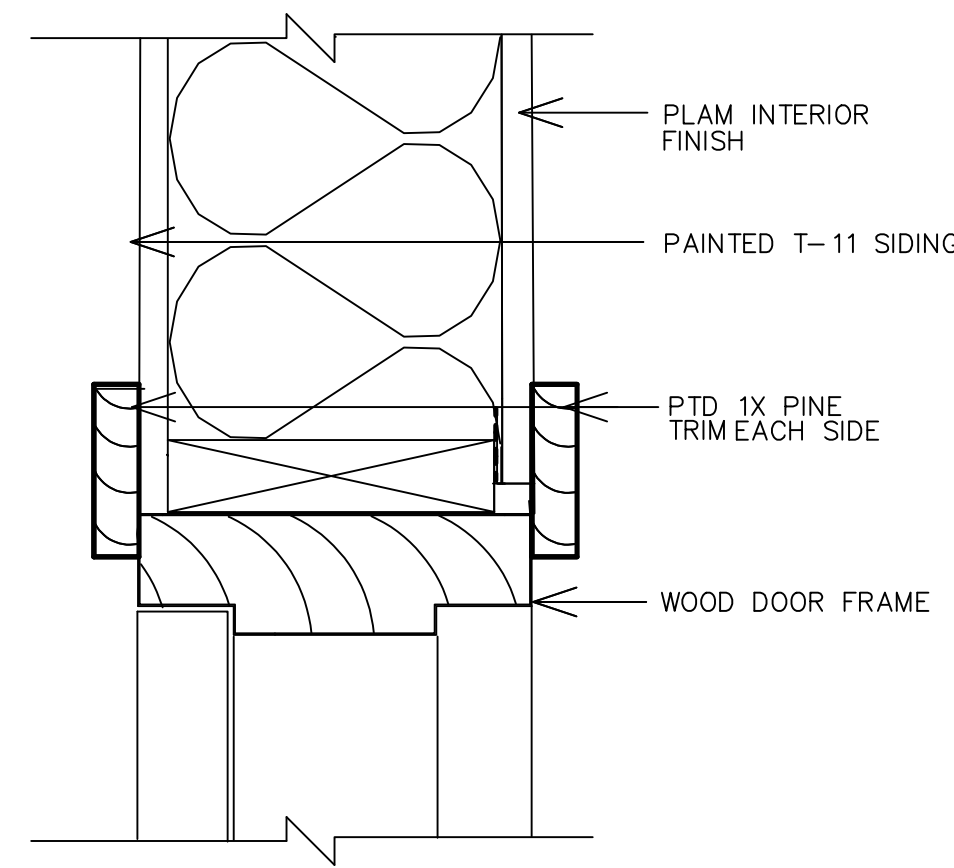
ROOF FRAMING PLAN

2308.1

A504

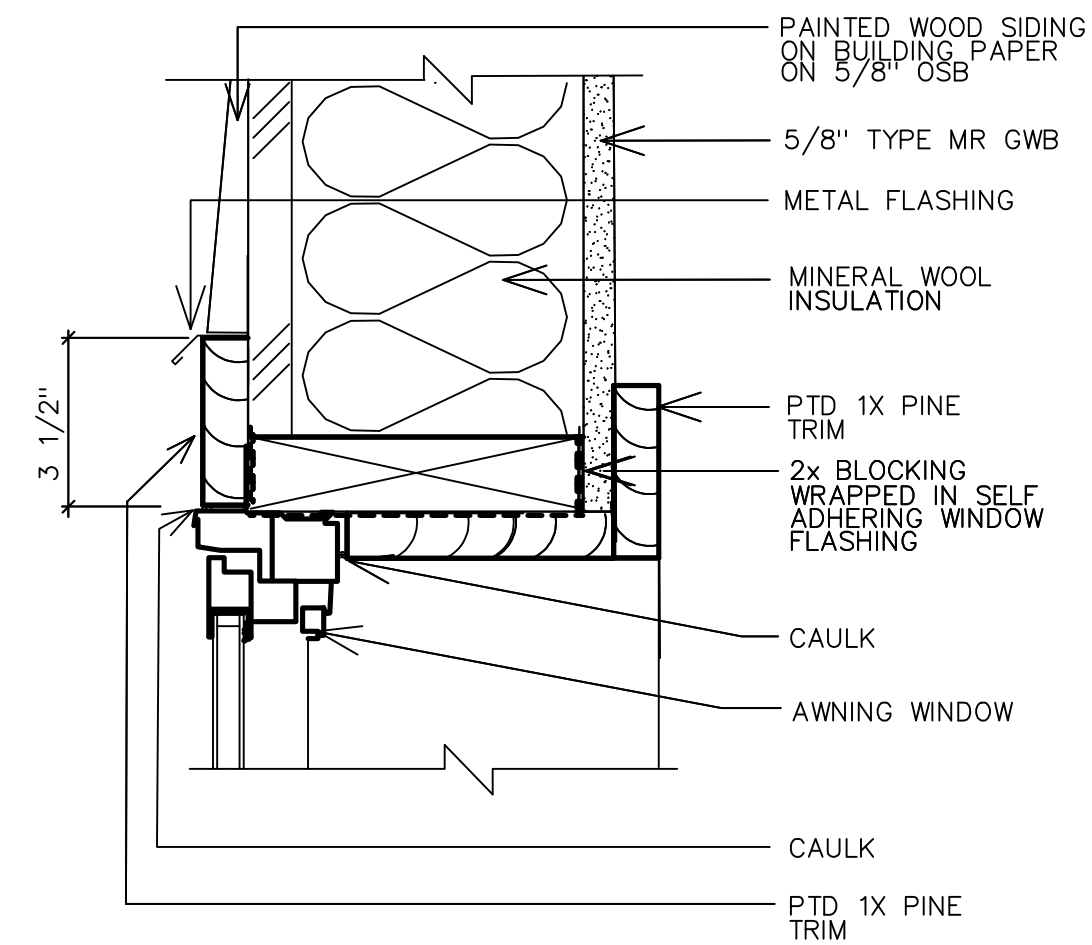


1 ROOF FRAMING PLAN
A504 SCALE: 1/2" = 1'-0"



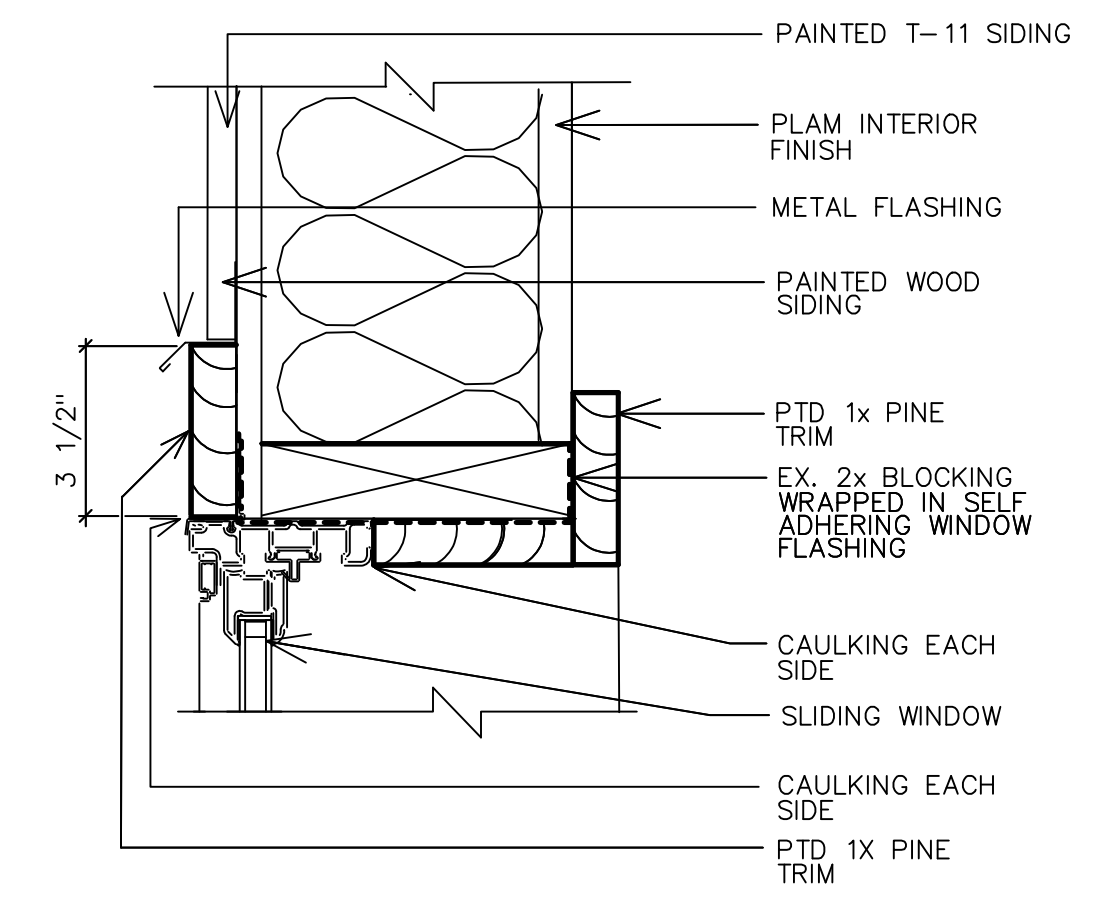
DTL 7 - DOOR HEAD/JAMB

SCALE: 3"=1'-0"



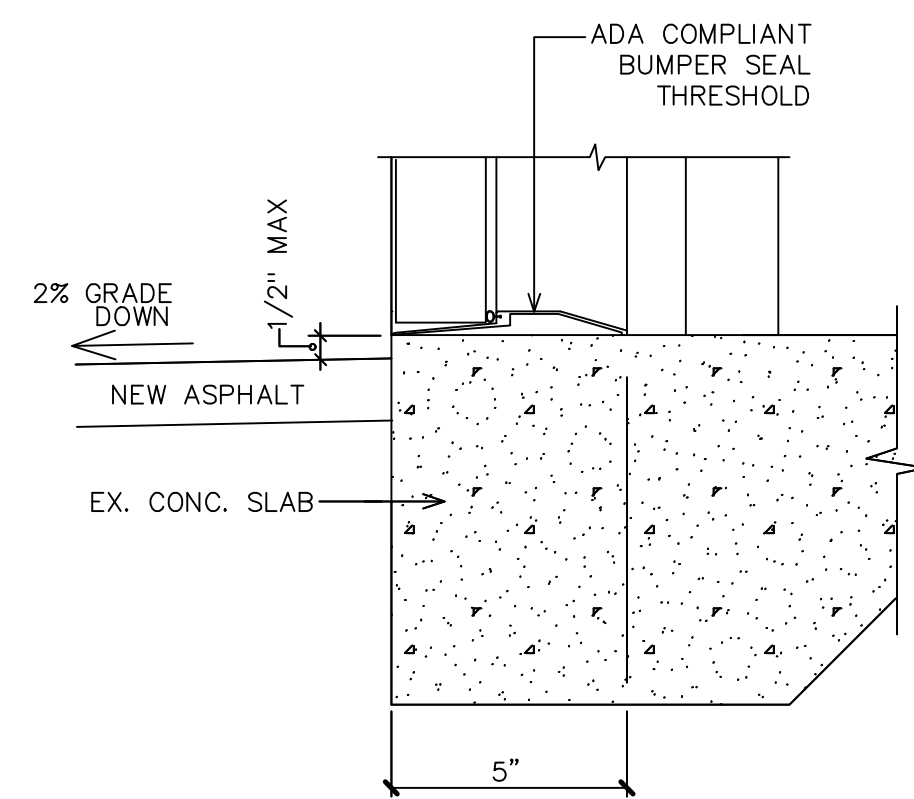
DTL 4 - WINDOW HEAD

SCALE: 3"=1'-0"



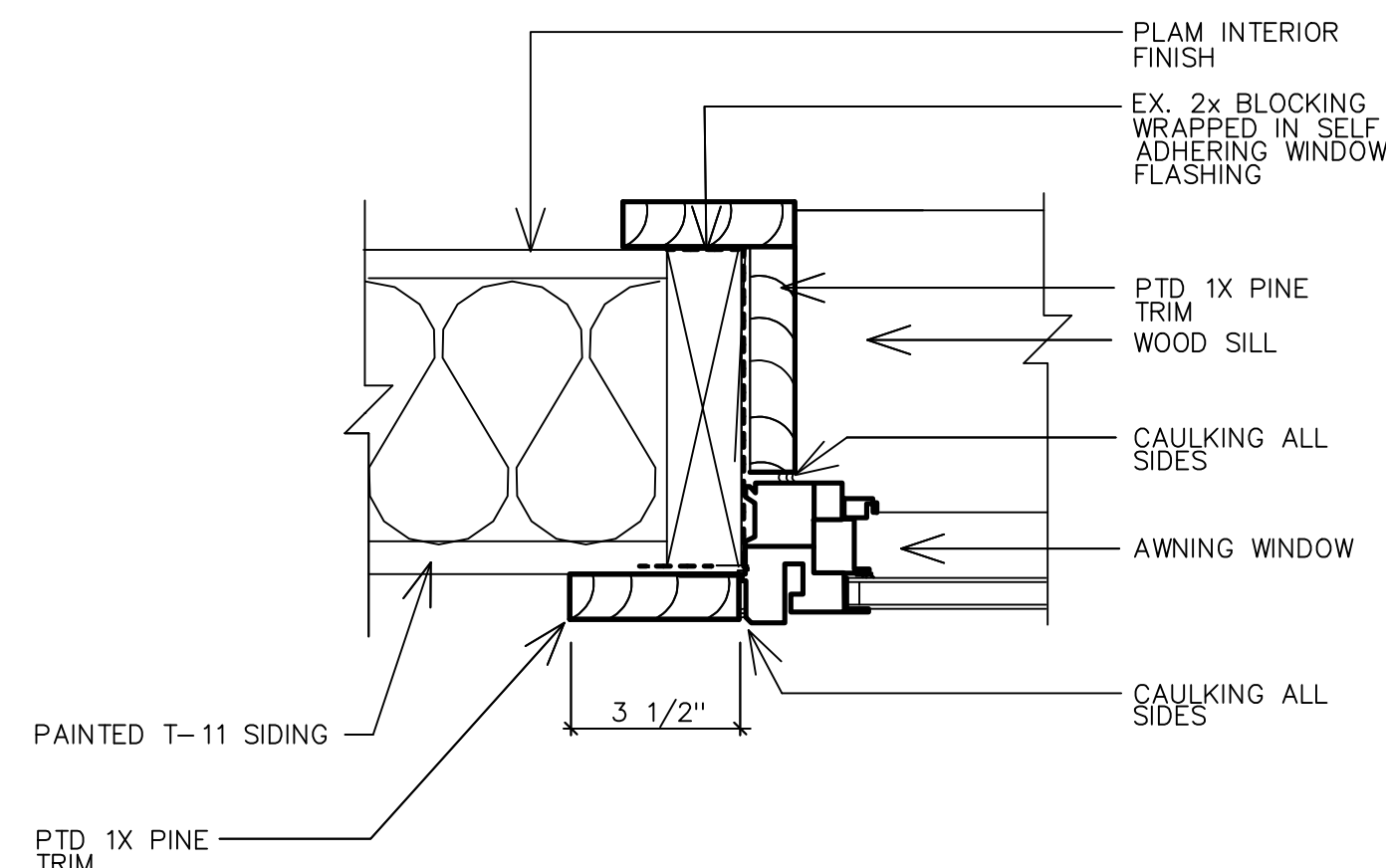
DTL 1 - WINDOW HEAD

SCALE: 3"=1'-0"



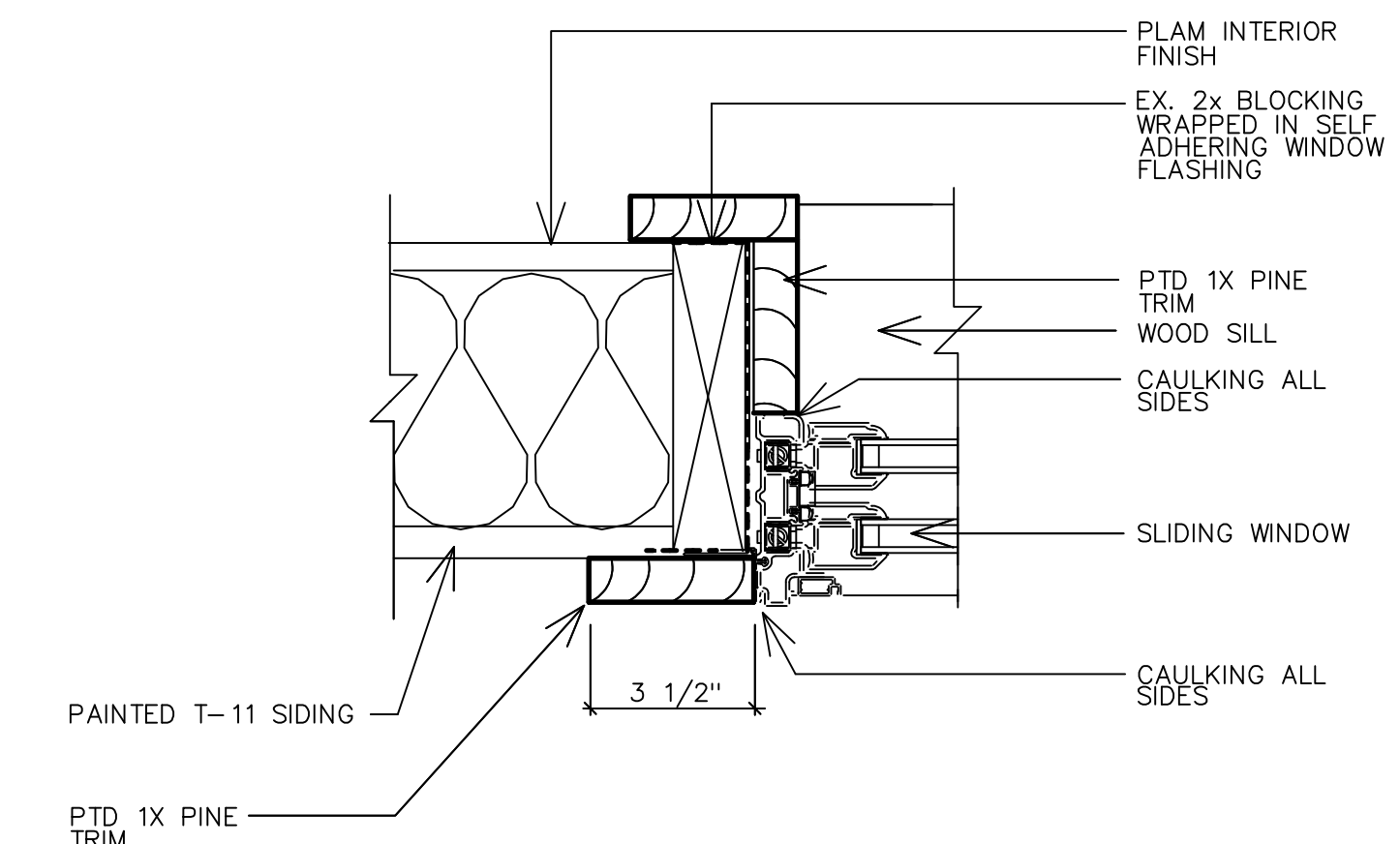
DTL 8 - DOOR THRESHOLD

SCALE: 3"=1'-0"



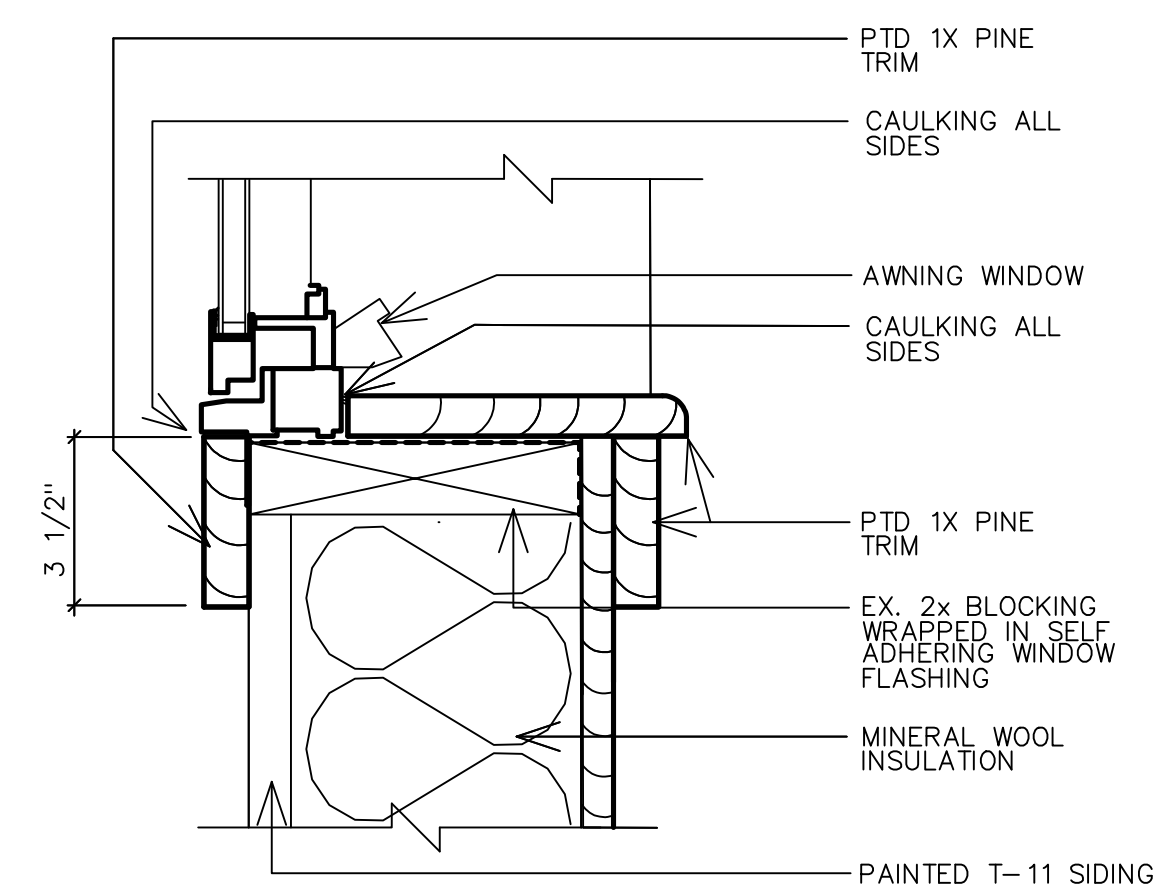
DTL 5 - WINDOW JAMB

SCALE: 3"=1'-0"



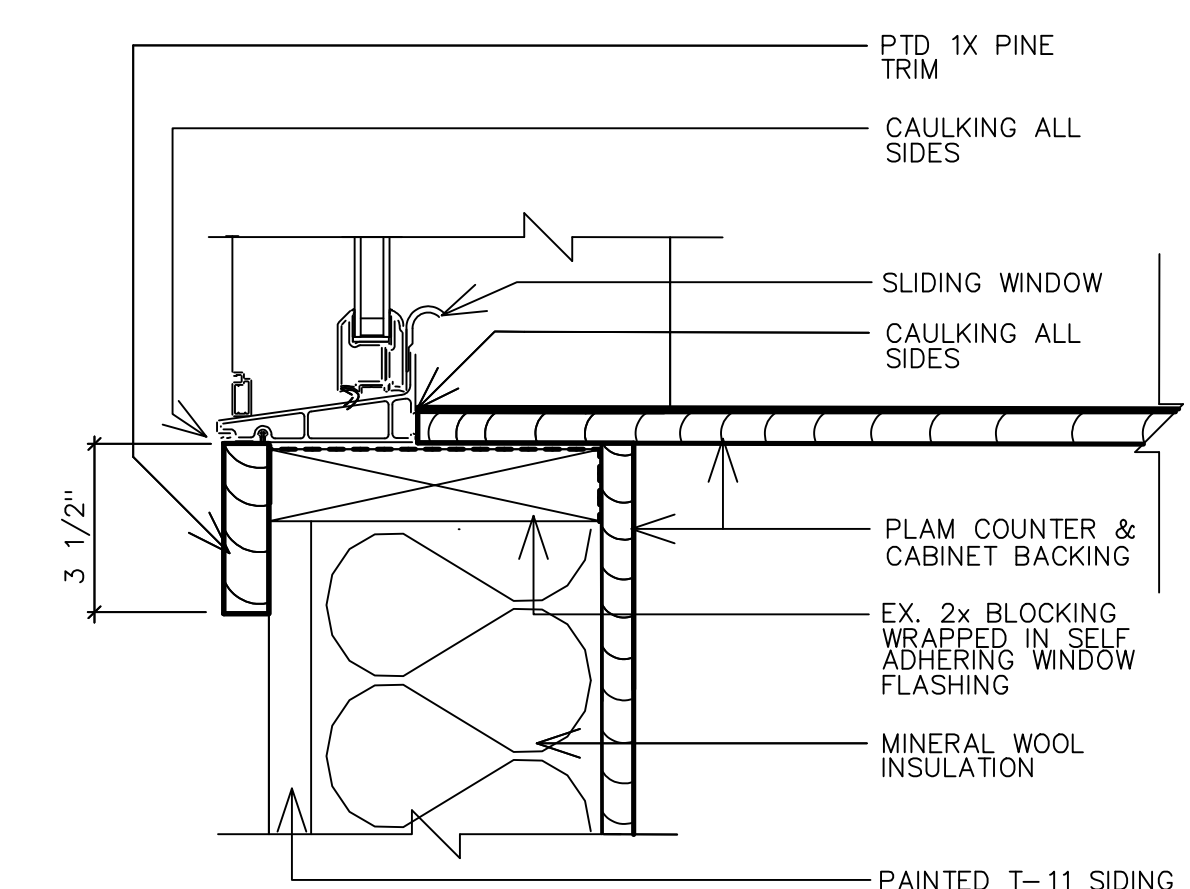
DTL 2 - WINDOW JAMB

SCALE: 3"=1'-0"



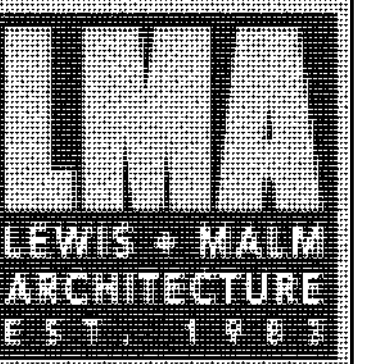
DTL 6 - WINDOW SILL

SCALE: 3"=1'-0"

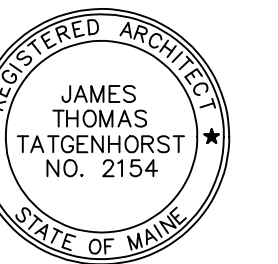


DTL 3 - WINDOW SILL

SCALE: 3"=1'-0"



119 MAIN ST.
P.O. BOX 1459
BUCKSPORT
MAINE 04416
207.469.7440



GC BID SET

20SEP2024

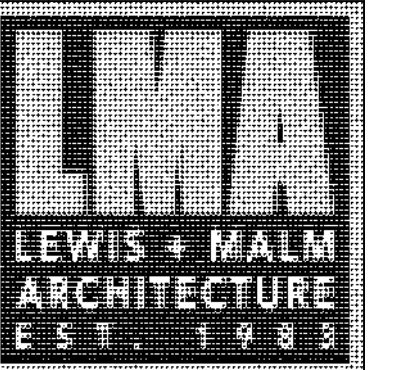
REV	DATE

LAMOINE STATE PARK ENTRY BOOTH ADDITION
LAMOINE, MAINE

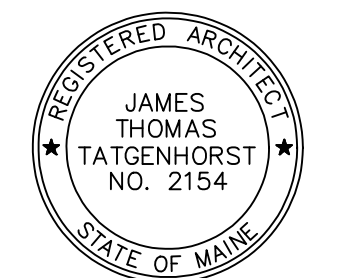
WINDOW & DOOR DETAILS

2308.01

A505



124 MAIN ST.
P.O. BOX 1459
BUCKSPORT
MAINE 04416
207.469.7440



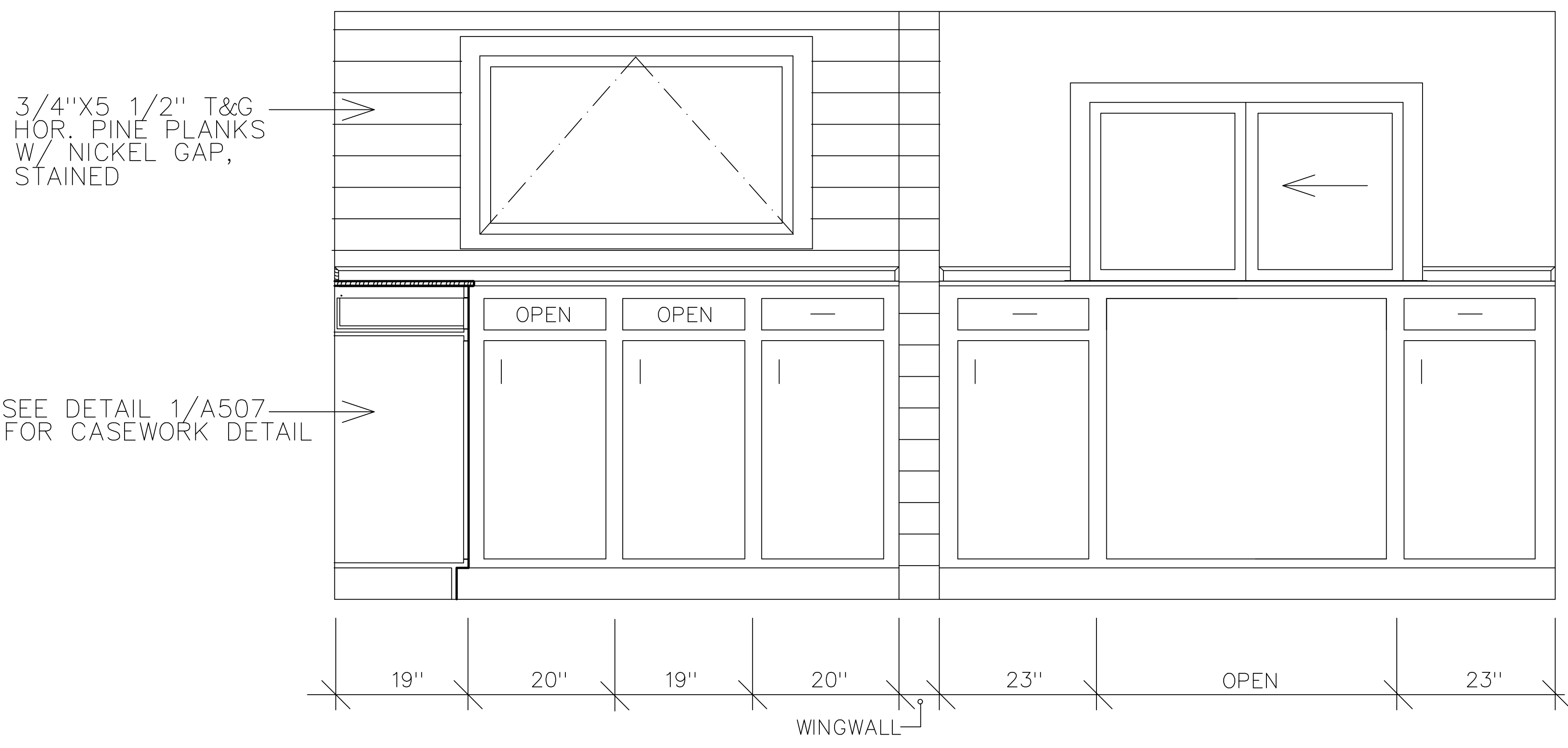
GC BID SET

20SEP2024
REV DATE

LAMOINE STATE PARK ENTRY BOOTH ADDITION
LAMOINE, MAINE
INTERIOR ELEVATIONS

2308.1

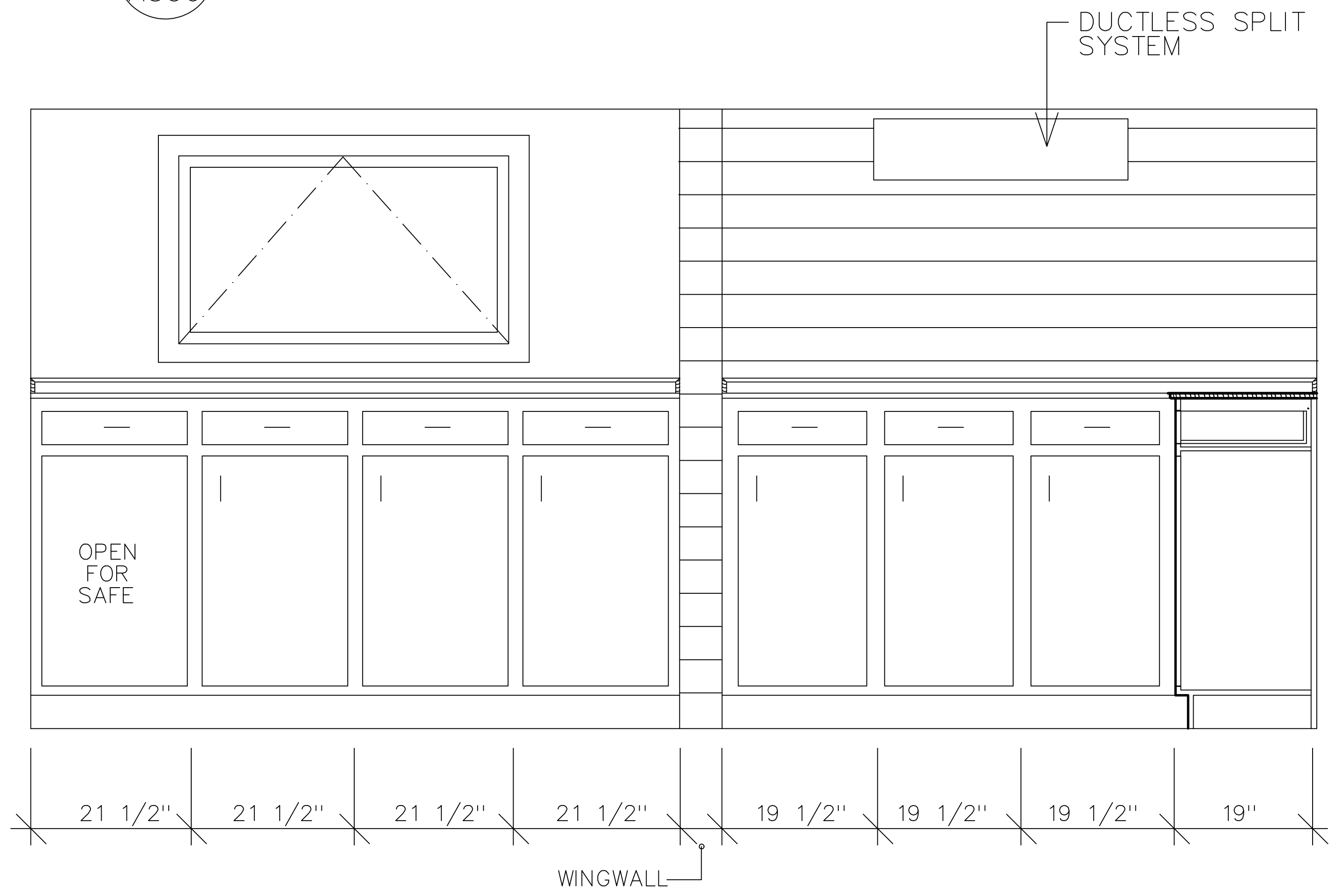
A506



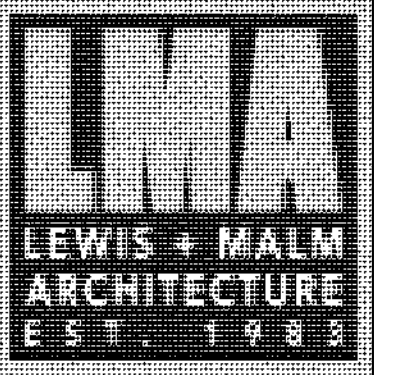
1 NORTH ELEVATION
A506 SCALE: 1/2" = 1'-0"



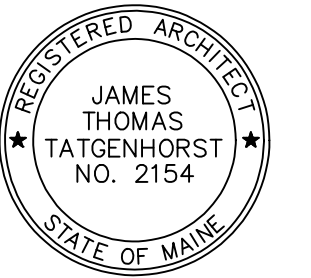
2 WEST ELEVATION
A506 SCALE: 1/2" = 1'-0"



3 SOUTH ELEVATION
A506 SCALE: 1/2" = 1'-0"



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GC BID SET

20SEP2024

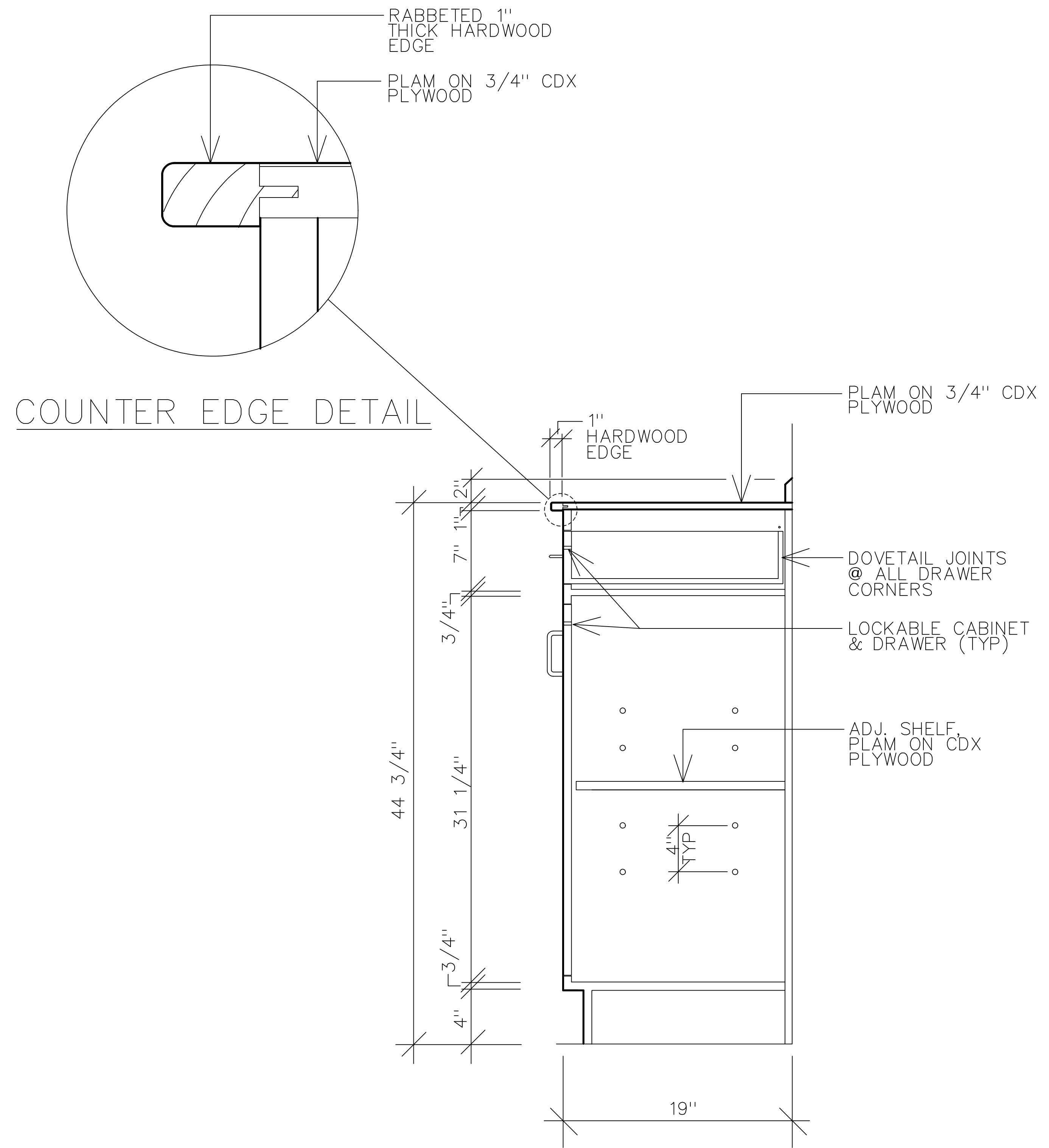
REV	DATE

LAMOINE STATE PARK ENTRY BOOTH ADDITION
LAMOINE, MAINE

CASEWORK DETAILS

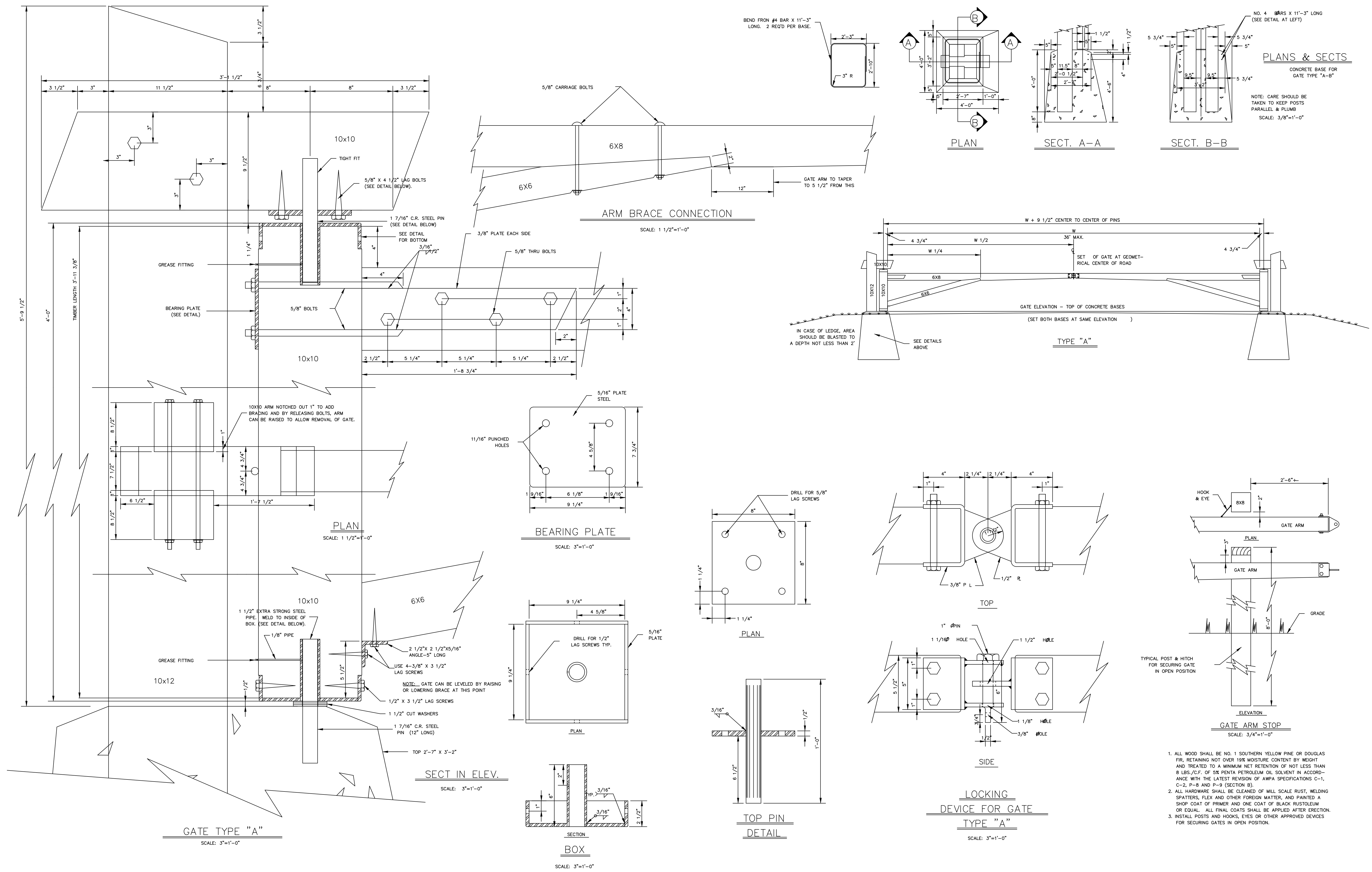
2308.1

A507

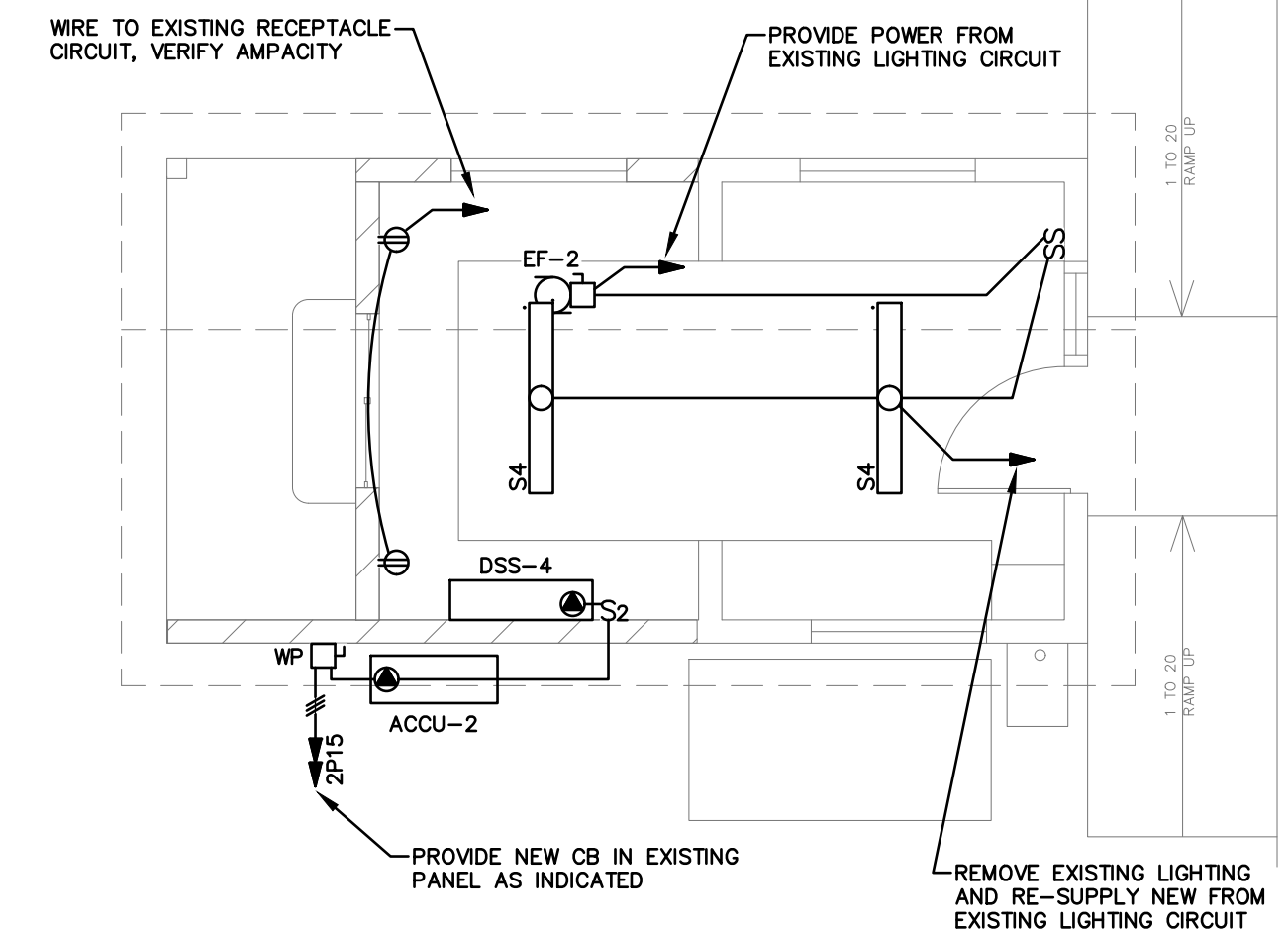


1 CABINET SECTION
A507 SCALE: 2" = 1'-0"

REV	DATE



1. ALL WOOD SHALL BE NO. 1 SOUTHERN YELLOW PINE OR DOUGLAS FIR, RETAINING NOT OVER 19% MOISTURE CONTENT BY WEIGHT AND TREATED TO A MINIMUM NET RETENTION OF NOT LESS THAN 8 LBS./C.F. OF 5% PENTA PETROLEUM OIL SOLVENT IN ACCORDANCE WITH THE LATEST REVISION OF AWPA SPECIFICATIONS C-1, C-2, P-8 AND P-9 (SECTION B).
2. ALL HARDWARE SHALL BE CLEANED OF MILL SCALE RUST, WELDING SPATTERS, FLEX AND OTHER FOREIGN MATTER, AND PAINTED A SHOP COAT OF PRIMER AND ONE COAT OF BLACK RUSTOLEUM OR EQUAL. ALL FINAL COATS SHALL BE APPLIED AFTER ERECTION.
3. INSTALL POSTS AND HOOKS, EYES OR OTHER APPROVED DEVICES FOR SECURING GATES IN OPEN POSITION.

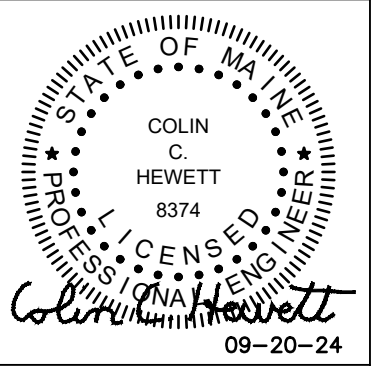


GATEHOUSE ELECTRICAL PLAN

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

GENERAL NOTES

1. THIS PLAN HAS BEEN COMPILED FROM FIELD OBSERVATIONS AND OWNER SUPPLIED DRAWINGS. FIELD VERIFY ALL CONDITIONS AND OBSERVE NECESSARY SAFETY PRECAUTIONS BEFORE DOING ANY WORK.
2. RUN SURFACE WIRING AS INCONSPICUOUS AS POSSIBLE, IN WALL AND CEILING CORNERS WHERE POSSIBLE, AS INDICATED.
3. DEVICES WITH CONTINUOUS LINETYPE _____ INDICATE NEW UNLESS OTHERWISE INDICATED.
4. DEVICES WITH DASHED LINETYPE - - - - - INDICATE EXISTING TO REMAIN UNLESS OTHERWISE INDICATED.
5. DEVICES WITH HIDDEN LINETYPE - - - - - INDICATE REMOVE UNLESS OTHERWISE INDICATED.
6. IN EVENT ANY UNSAFE WRING IS ENCOUNTERED, IMMEDIATELY NOTIFY ENGINEER FOR CORRECTIVE ACTION.
7. EXISTING CONDUIT MAY BE RE-USED WHERE POSSIBLE.



GC BID SET

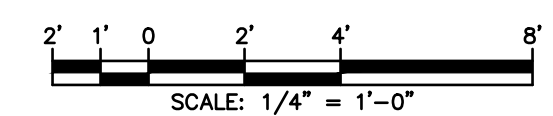
20SEP2024
 REV DATE

REV	DATE

LAMOINE STATE PARK
 LAMOINE, MAINE
**GATEHOUSE RENOVATIONS
 ELECTRICAL PLAN**

2308.01

E501



PLUMBING LEGEND

—X—	SANITARY SOIL OR WASTE — ABOVE FLOOR
—X—	SANITARY SOIL OR WASTE — UNDER FLOOR
—	VENT
—RL—	ROOF LEADER
—X—RL—	UNDERFLOOR ROOF LEADER
—	110° HOT WATER LINE
—110R—	110° HOT WATER RECIRCULATION LINE
—140—	140° HOT WATER LINE
—140R—	140° HOT WATER RECIRCULATION LINE
—160—	160° HOT WATER LINE
—160R—	160° HOT WATER RECIRCULATION LINE
—CD—	CONDENSATE DRAIN
—X—GR—	UNDERFLOOR GREASE WASTE
—	COLD WATER
—G—	GAS LINE
3"/1/4"	PIPE SIZE / SLOPE PER FOOT
—R—	PIPE RISER
—D—	PIPE DROP
— — —	UNION
— — —	GATE VALVE
— — —	CHECK VALVE
— — —	BALL VALVE
— — —	BALANCING VALVE (BV)
— — —	GAS PLUG VALVE
— — —	PUMP
— — —	THERMOMETER/THERMOWELL
— — —	PRESSURE GAGE WITH SHUT-OFF COCK
—SPKL—	SPRINKLER
— — —	PRESSURE RELIEF VALVE
—O—	FLOOR DRAIN
— — —	HOSE BIBB (HB)
— — —	NON-FREEZE WALL HYDRANT (NFWH)
— — —	TE INTO EXISTING SYSTEM
— — —	EXISTING EQUIPMENT TO BE REMOVED
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
CD	CONDENSATE DRAIN
CO	CLEANOUT
EX	EXISTING EQUIPMENT
FCO	FLOOR CLEANOUT
FE	FIRE EXTINGUISHER — WEIGHT (LB)
H & C	HOT AND COLD
INV	INVERT ELEVATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
SA	SHOCK ABSORBER
VTR	VENT THROUGH ROOF
W & V	WASTE AND VENT
WCO	WALL CLEANOUT

FIXTURE SCHEDULE						
UNIT	DESCRIPTION	MIN. LINE SIZE (IN.)				NOTES
		W	V	H	C	
HB-1	HOSE BIBB	-	-	-	3/4	-

NOTES:
1. PROVIDE SHUT OFF VALVES IN H & C LINES TO ALL FIXTURES/APPLIANCES

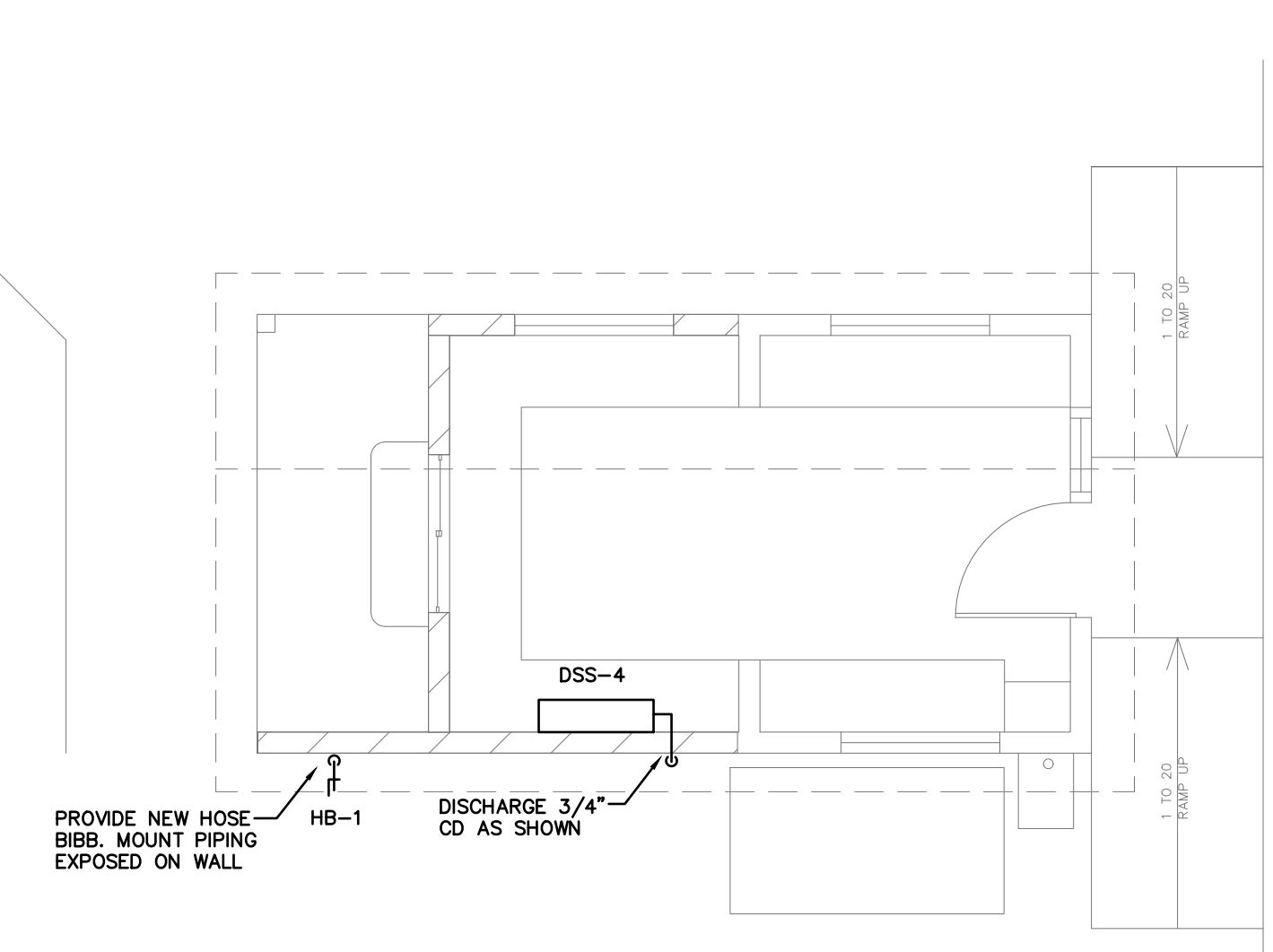
Hewett & Whitney
ENGINEERS & DESIGNERS
ELECTRICAL & MECHANICAL SYSTEMS
161 MAIN STREET WINTHROP, MAINE
Tel 207•377•6969 Fax 207•377•7584
PLOT DATE: Sep 19, 2024

LMA
LEWIS & MALM
ARCHITECTURE
EST. 1983

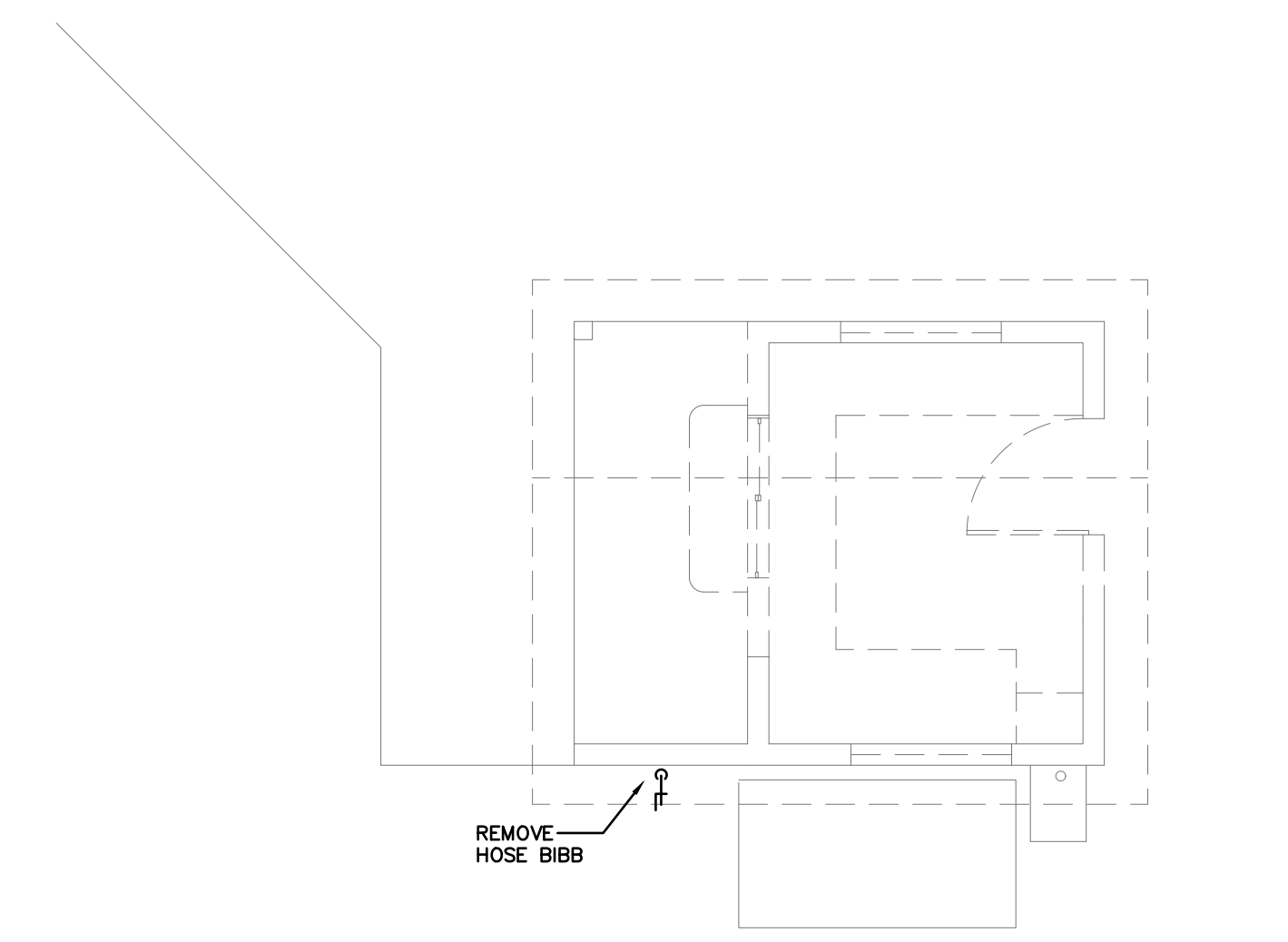
STATE OF MAINE
KENNETH W. WHITNEY
8213
REGISTERED PROFESSIONAL ENGINEER
09-20-24

GC BID SET

20SEP2024
REV DATE



GATEHOUSE PLUMBING PLAN
SCALE: 1/4" = 1'-0"

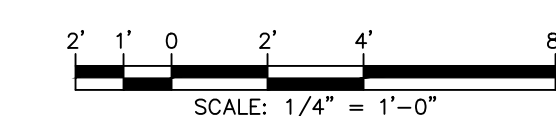


GATEHOUSE PLUMBING REMOVALS PLAN
SCALE: 1/4" = 1'-0"

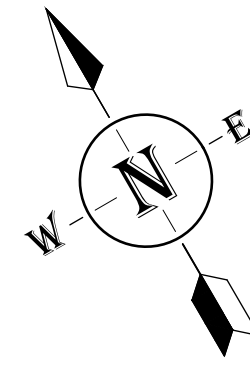
LAMOINE STATE PARK
LAMOINE MAINE
ENTRY BUILDING & GATE
PLUMBING PLANS, SCHEDULES DETAILS

2308.01

P501



**NOT FOR
CONSTRUCTION
GC BID SET**



REVISIONS	REVISION DESCRIPTION	DATE	NUMBER	BY

STATE OF MAINE
BUREAU OF PARKS &
LANDS

106 HOGAN RD.,
SUITE 7
BANGOR, ME 04401

2308.01
LAMOINE
STATE PARK
BGS 3519

611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

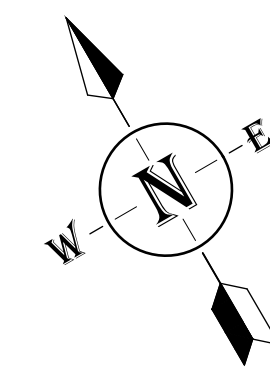
SHEET TITLE:
PROJECT 4
POLE BARN SITE
REMOVALS PLAN

D&K PROJECT # 229287	PROJ. ENG. JSK
DRAWN BY EBS	CHECKED BY JSK

DATE
20SEPT2024

SHEET NUMBER

C600



REVISIONS	REVISION DESCRIPTION	DATE	NUMBER	BY

STATE OF MAINE
BUREAU OF PARKS &
LANDS

106 HOGAN RD.,
SUITE 7
BANGOR, ME 04401

2308.01
LAMOINE
STATE PARK
BGS 3519

611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

SHEET TITLE:
PROJECT 4
POLE BARN SITE
LAYOUT PLAN

D&K PROJECT # 229287	PROJ. ENG. JSK
DRAWN BY EBS	CHECKED BY JSK

DATE
20SEPT2024

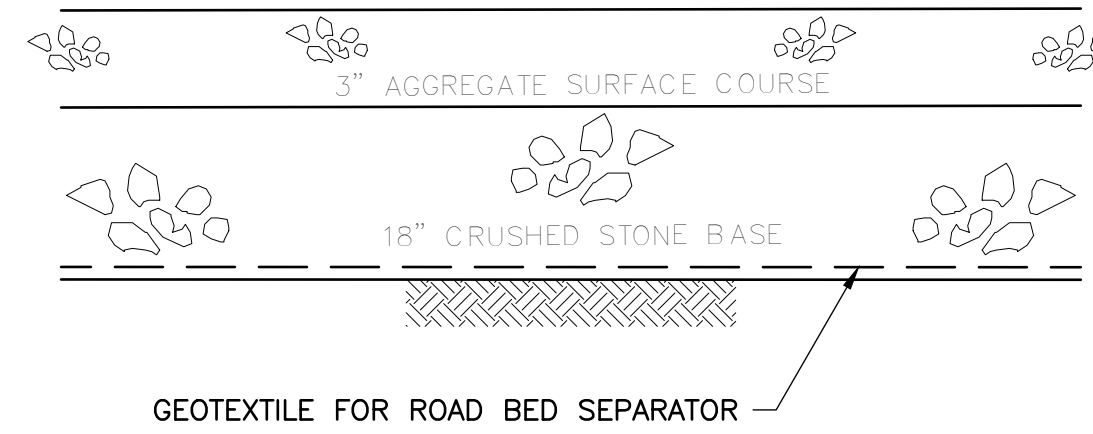
SHEET NUMBER

C601



I:\229287\ Lamine State Park\Drawings\Civil\Lamine Sub-projects\04_5-Bay Pole Barn\229287-SPT01- Pole Barn.dwg 9/25/2024 3:59 PM

**NOT FOR
CONSTRUCTION
GC BID SET**



GRAVEL DRIVE SECTION
NOT TO SCALE

REVISIONS	REVISION DESCRIPTION	DATE	NUMBER	BY			

STATE OF MAINE
BUREAU OF PARKS &
LANDS

106 HOGAN RD.,
SUITE 7
BANGOR, ME 04401

2308.01
LAMOINE
STATE PARK
BGS 3519

611 LAMOINE BEACH RD.
LAMOINE BEACH, ME 04605

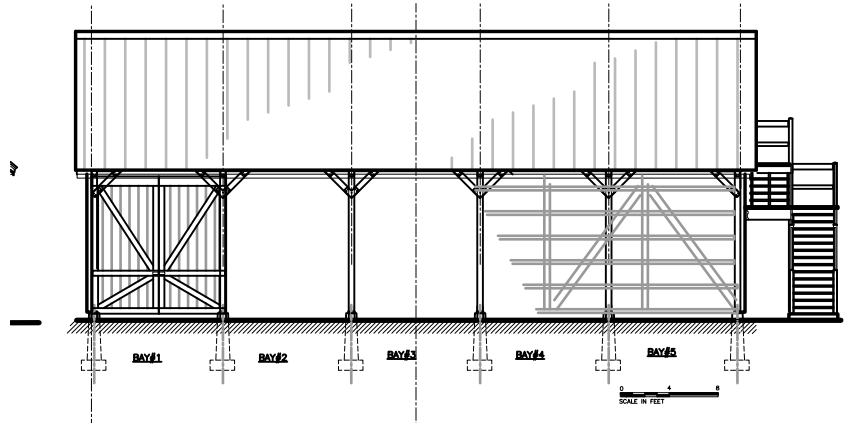
SHEET TITLE:
PROJECT 4
POLE BARN SITE
DETAILS

D&K PROJECT #	PROJ. ENG.
229287	JSK
DRAWN BY	CHECKED BY
EBS	JSK

DATE
20SEPT2024

SHEET NUMBER

C602



PLANS TABLE OF CONTENTS

5-BAY STORAGE BARN

Base Structure

SHEET	TITLE	REVISION
0	Cover Sheet	0
1.5	Floor Plans	0
2.5	Exterior Elevations	0
3.5	Foundation Plan	0
4	Foundation Section	0
5	Foundation Pier Details	0
6.5	Front and Rear Wall Framing	0
7	End Wall Framing	0
8	Bracing Details	0
9	Roof Details	0
10	Notes and Timber Schedule	0
<u>Options</u>		
11,12 & 13	Stairway Option	0
14 & 15	Front Wall Sliding Door Option	0
15 & 16	End Wall Sliding Door Option	0
17	Front Wall Hinged Door Option	0
18	End Wall Loft Door Option	0
19	Interior Partition Option	0

DWG A600

SOME PAGES PERTAINING TO 3-BAY AND 4-BAY DESIGN OPTIONS HAVE BEEN OMITTED FROM THIS BID-SET AS THEY ARE NOT APPLICABLE TO THE 5-BAY POLE BARN PROJECT AT LAMOINE STATE PARK.

USE ORIGINAL PINNACLE HILL PAGE NUMBERS AND REFERENCES TO NAVIGATE THROUGH DWGS.

A-600 SERIES NUMBERS HAVE BEEN ADDED BY LMA TO ENABLE REFERENCES ACROSS MULTIPLE PROJECTS AT LAMOINE STATE PARK.



PINNACLE HILL ENGINEERING
 33 Pinnacle Road
 Canaan, ME 04924
PinnacleHillEngineering@gmail.com

BGS Project 3571
 DATE REVISED
 7-16-2023

State of Maine,
 Dept of Agriculture, Conservation and Forestry
 Bureau of Parks and Lands

Storage Barn Design for Maine State Parks

ATTIC WINDOW OPTION

STAIR OPTION

DOOR OPTIONS

0 4 8
SCALE IN FEET

ATTIC PLAN
53'-0"

6'-9"
10'-3/4"
6'-11 1/2"

24'-0"

BAY#1

BAY#2

BAY#3

BAY#4

BAY#5

SLIDER SLIDER SLIDER SLIDER

STAIR OPTION

ADD PERSONNEL DOOR AS PER

FRONT SLIDING DOOR

0 4 8
SCALE IN FEET

PARTIAL PLAN FOR
GABLE END SLIDING
DOOR OPTION

**ALTERNATE #4 - BASE BID: PROVIDE ONE (1) SET OF TWO (2) SLIDER DOORS
ALT #4 - ADD (FOUR) 4 SETS OF TWO (2) SLIDING DOORS EACH.**

FLOOR PLAN

DWG A601



NO.	REVISION	DATE

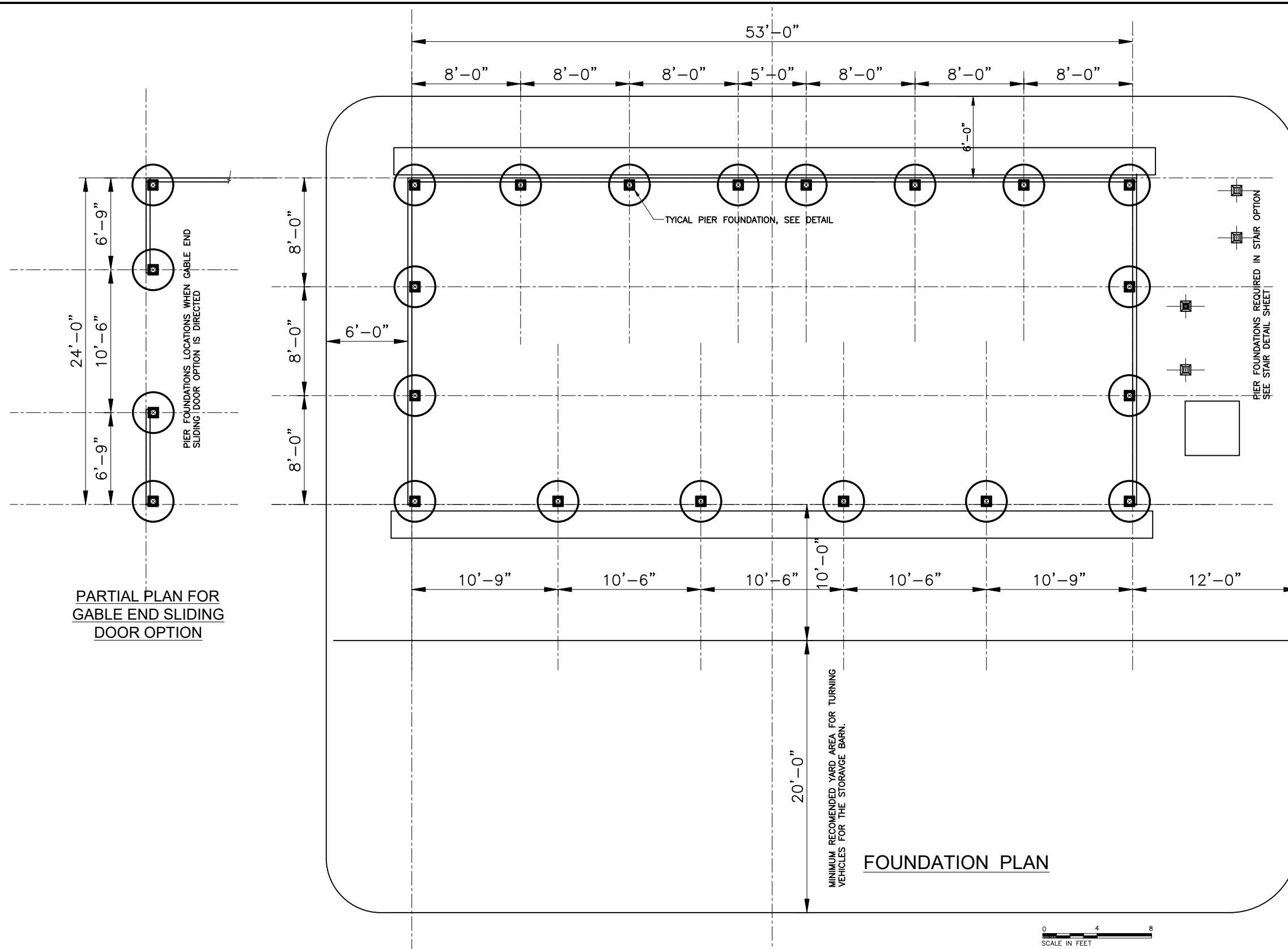
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STR
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DATE REVISED
7-16-2023

State of Maine, Bureau of Parks and Lands
Storage Barn Design for Maine State Parks

FLOOR PLANS 5-BAY

PINNACLE HILL ENGINEERING
33 Pinnacle Road
Canaan, ME 04924
PinnacleHillEngineering@gmail.com

1.5
REV. 0



PARTIAL PLAN FOR GABLE END SLIDING DOOR OPTION

FOUNDATION PLAN



DWG A603

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					BGS Project 3571 DATE REVISED 7-16-2023
				Pinnacle Hill Engineering PinnacleHillEngineering@gmail.com	33 Pinnacle Road Canaan, ME 04924
					3.5 REV. 0

GENERAL SITEWORK NOTES

1. These plans are general plans pertaining to the building construction are minimum general instructions but are not specific to any site. The site design prepared to the specific site shall take precedence over these plans outside the building footprint.

2. Scope of Work

Clearing and Grubbing. Removal and disposal of stumps and boulders.

General grading to subgrade level.

Excavation of building foundation piers, installation of piers, backfilling and compaction

Utilities: Owner will designate required utility trenches if any. If directed by Owner provide electrical underground conduits within the new work area, terminating where directed for future wiring by others.

Excavation of trenches for underdrainage, Provide underdrainage piping around perimeter of building as shown or directed, Daylight the underdrain outlet on the surface at a nearby slope to lead drainage away from the site..

Drilling and blasting may be required for trenches where bedrock or boulders are shallow or at the surface or protrudes into gravel subbase.

Prior to placement of gravel base, Proof roll the original ground surface and the backfilled excavations in the presence of the Owner. Remediate any soft spots discovered.

Place and compact the gravel base up to the finish grade gravel in the building footprint, parking lot, and approach driveways.

Loam and Seed all disturbed areas

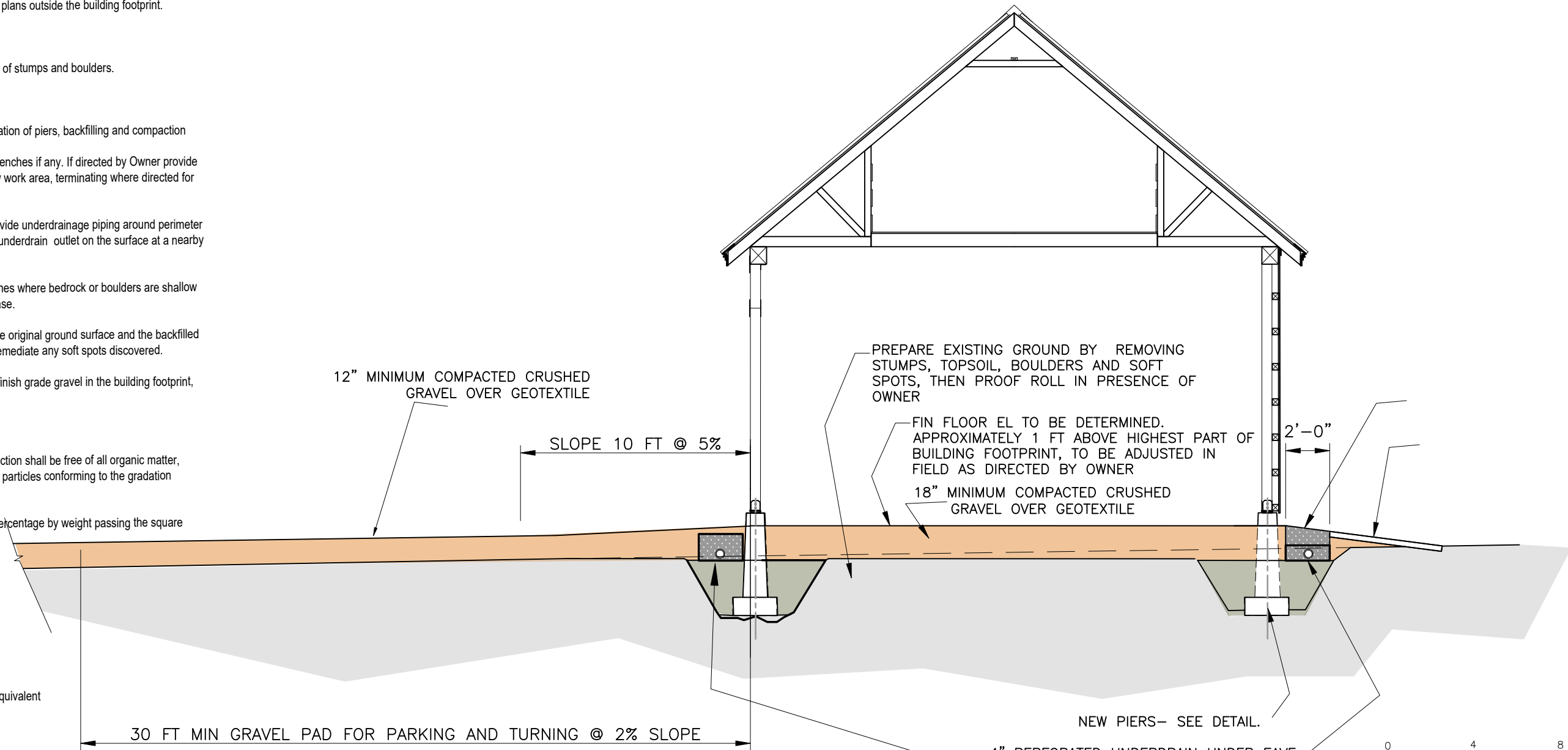
3. Structural Fill materials used in the construction shall be free of all organic matter, topsoil and debris and consist of hard durable particles conforming to the gradation requirements listed below.

Gravel shall have the following passing the percentage by weight passing the square mesh sieve sizes:

4-inch	100%
1/4-inch	25-70
No. 40	0-30
No. 200	0-5%

Crushed Stone shall have
3/4 inch 100%
1/4 -inch 0-10%

4. Geotextile shall be Tencat Mirafi 600X or equivalent



FOUNDATION SECTION

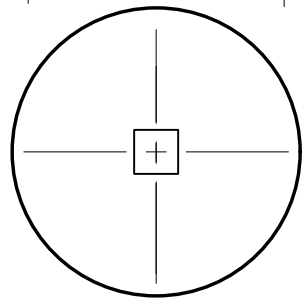
4" PERFORATED UNDERDRAIN UNDER EAVE DRIP LINE. USE GEOTEXTILE TO WRAP PIPE AND STONE APPROX 12" X 24". SLOPE TO OUTLET OR TO STONE FILLED DRYWELL.



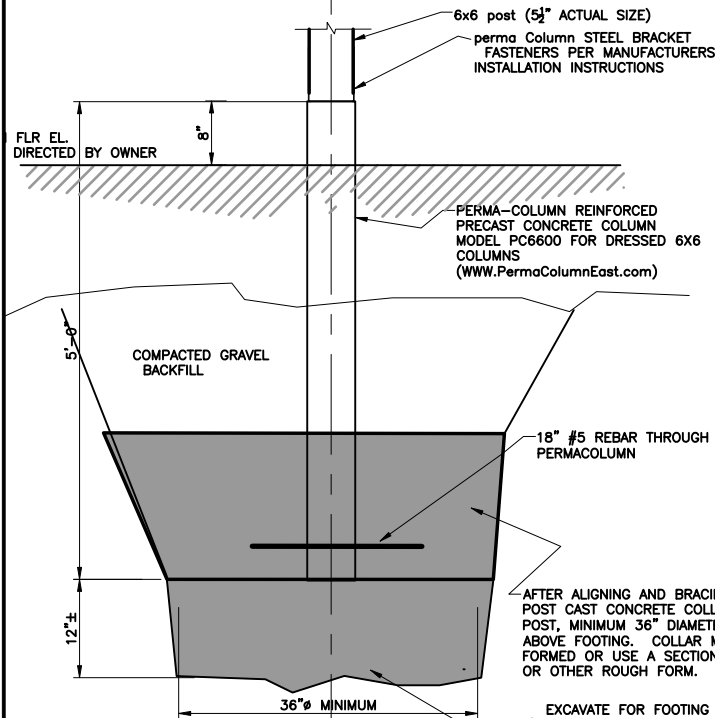
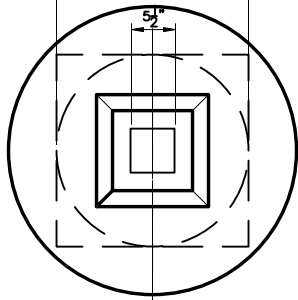
DWG A604

	NO.	REVISION	DATE	DESIGNED BY STR	State of Maine, Bureau of Parks and Lands Storage Barn Design for Maine State Parks
				DRAWN BY STR	
					BGS Project 3571 DATE REVISED 7-16-2023
				Pinnacle Hill Engineering 33 Pinnacle Road Canaan, ME 04924 PinnacleHillEngineering@gmail.com	4 REV. O

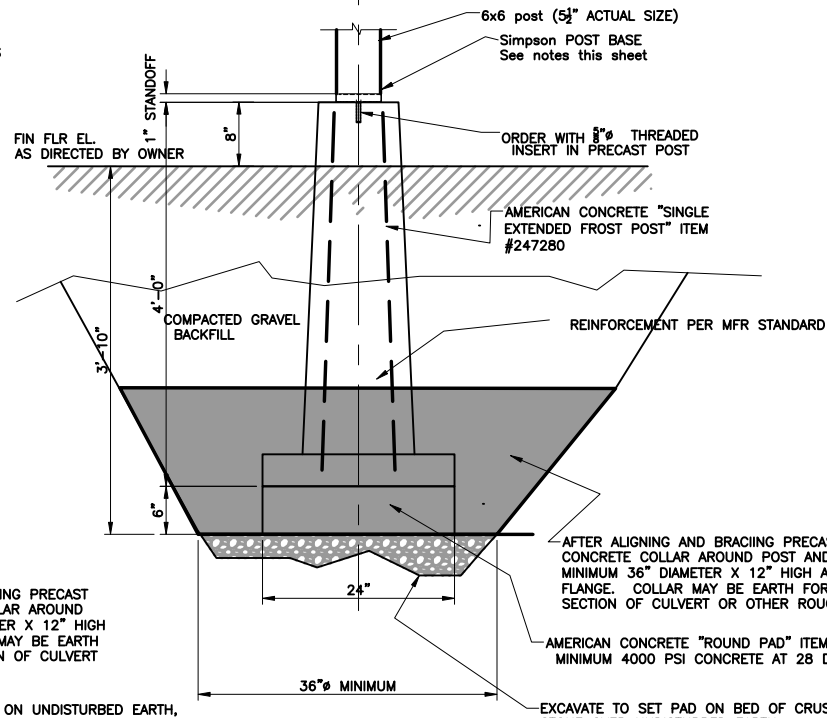
PRECAST PAD 32" SQ



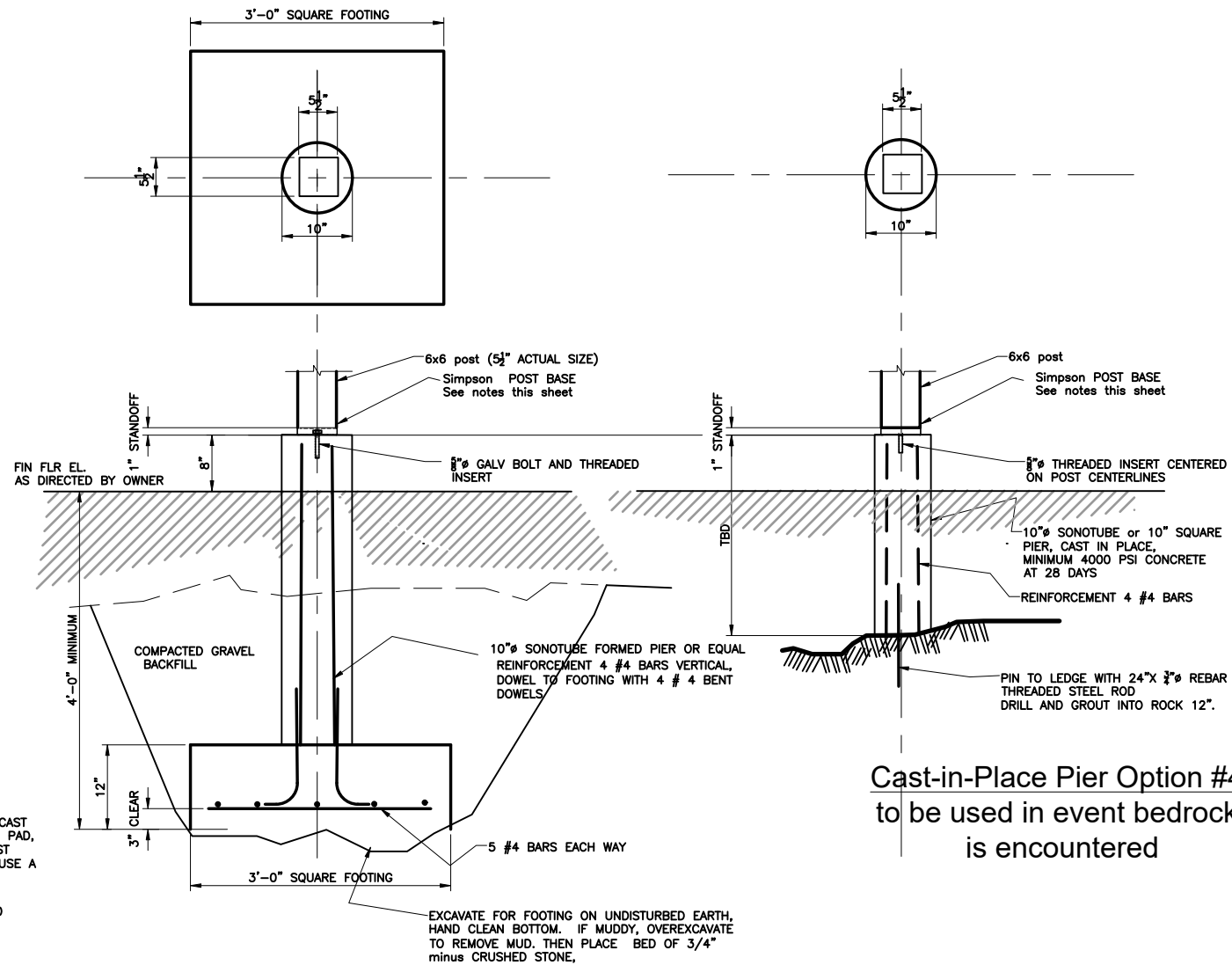
PRECAST PAD 24"



Precast Pier Option #1

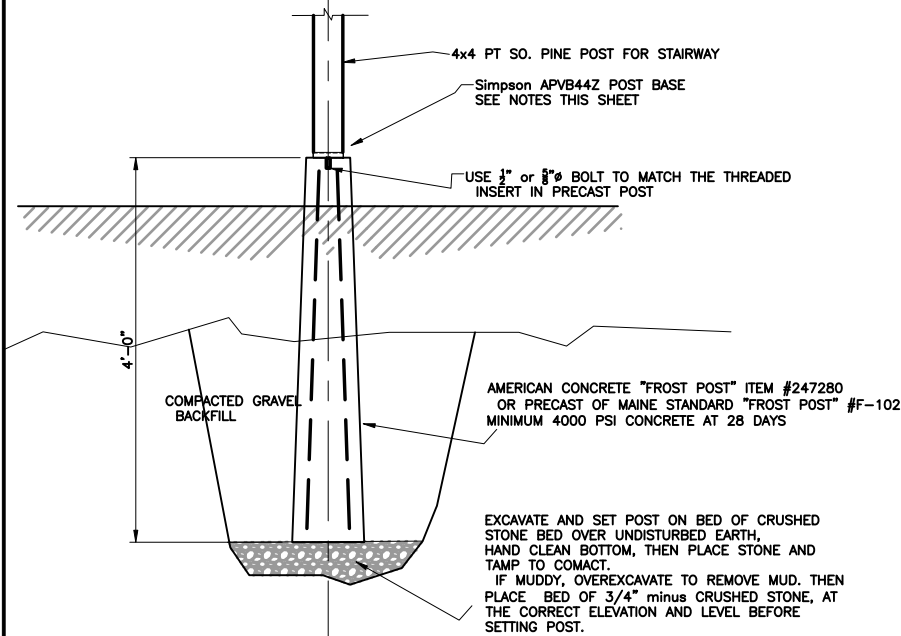


Precast Pier Option #2



Cast-in-Place Pier Option #3

Cast-in-Place Pier Option #4 to be used in event bedrock is encountered

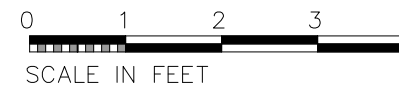
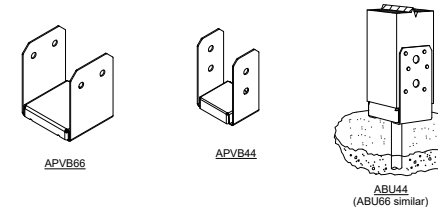


STAIRWAY OPTION POST DETAIL

BUILDING POST DETAILS Selected at Contractors Choice

CONCRETE NOTES

1. ALL FOOTING CONCRETE IS PLACED DIRECTLY ON SURFACES CLEANED TO REMOVE DIRT OR LOOSE ROCK.
2. CONCRETE: 4000 PSI @ 28 DAYS, AIR ENTRAINED 5% TO 7%
3. REINFORCEMENT: 60,000 PSI, ASTM A615
4. HOOKS: ACI STANDARD
5. REBAR COVER: 2" UNLESS NOTED OTHERWISE
6. CONCRETE ANCHORS UNLESS OTHERWISE SPECIFIED: HILTI "HAS" SUPER OR STD. ADHESIVE ANCHOR OR APPROVED EQUAL. INSTALL TO MANUFACTURER'S RECOMMENDED DEPTH FOR ANCHOR SIZE.
7. UNLESS NOTED OTHERWISE PROVIDE 3/4" CHAMFER ON ALL EXPOSED EDGES.



POST BASES

1. For 4x4 posts use Simpson APVB44Z POST BASE 5/8" bolt into top of frost pier with hot dipped galvanized bolt
2. For 6x6 posts On the Front Side of the building where posts are exposed to view use Simpson APVB66Z POST BASE 5/8" bolt into top of frost pier with hot dipped galvanized bolt
3. Fasteners for the APVB bases to attach post shall be SIMPSON OUTDOOR ACCENTS SDWS22312DBB Structural wood screws inserted through an STN22 hex head washer
4. For the 6x6 posts in the Rear and Side walls Uplift requirements are higher and require the use of Simpson ABU66Z post bases. Use Galvanized n Nails, SD screws or bolts at Contractors option, and per manufacturers' instructions for size and quantity.
5. The post bases noted above do not apply if the PERMA COLUMN precast concrete columns are used.

DWG A605



NO.	REVISION	DATE

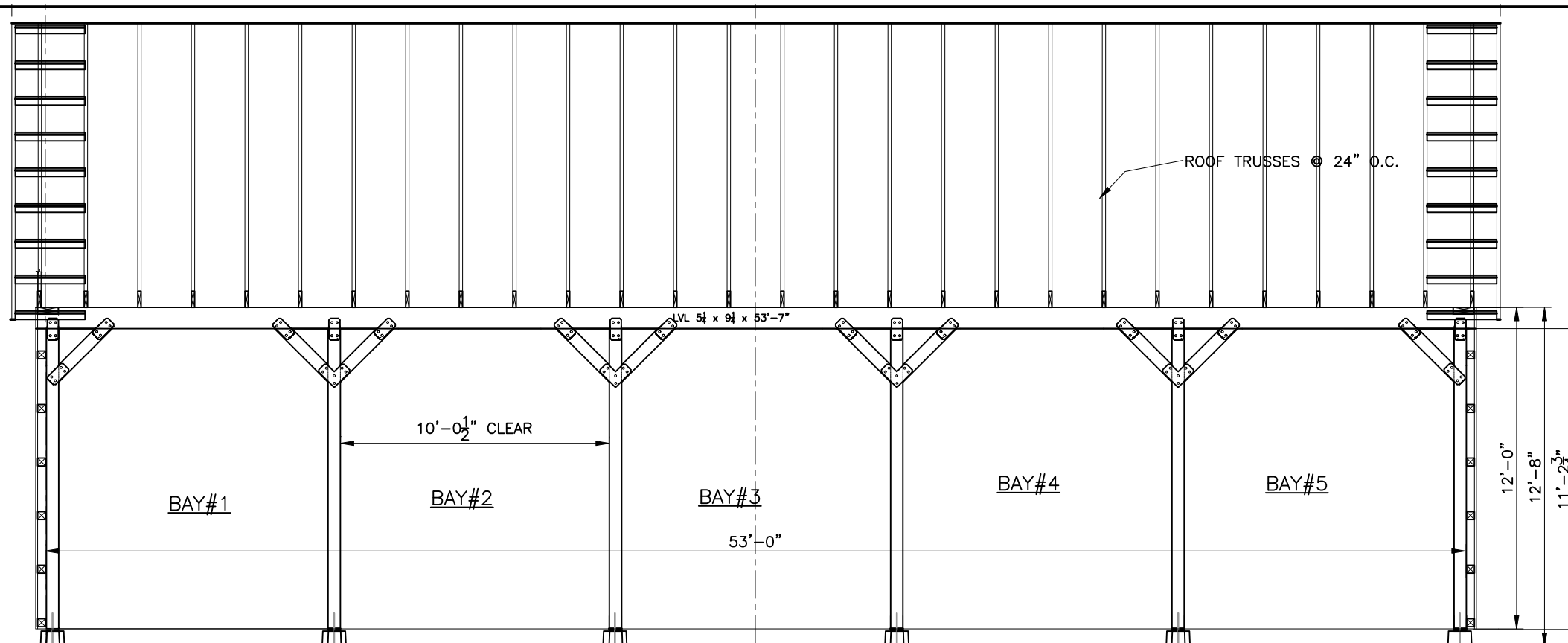
State of Maine, Bureau of Parks and Lands
Storage Barn Design for Maine State Parks

DESIGNED BY STR
DRAWN BY STR
BGS Project 3571
DATE REVISED 7-16-2023

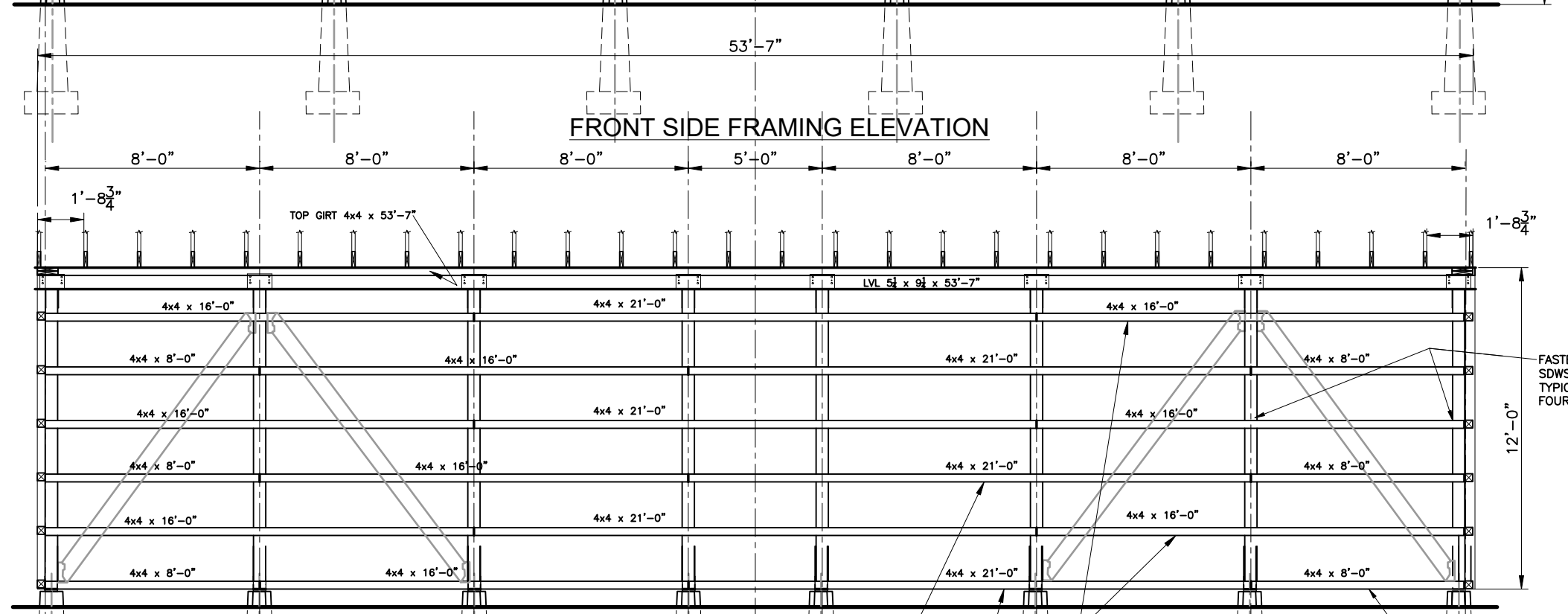
Pinnacle Hill Engineering
33 Pinnacle Road
Canaan, ME 04924
PinnacleHillEngineering@gmail.com

FOUNDATION PIER DETAILS

5
REV. 0



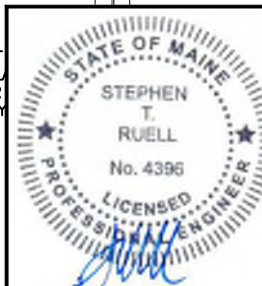
FRONT SIDE FRAMING ELEVATION



REAR SIDE FRAMING ELEVATION



GIRTS ABOVE
NOTE: IF GIRT
READILY AVAIL
TO 16 FT OR
TO REVIEW BY



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STR
BGS Project 3571
DATE REVISED
7-16-2023

State of Maine, Bureau of Parks and Lands
Storage Barn Design for Maine State Parks
FRONT AND REAR WALL FRAMING
5 -BAY

Pinnacle Hill Engineering
33 Pinnacle Road
Canaan, ME 04924
PinnacleHillEngineering@gmail.com

6.5
REV. 0

DWG A606

11A11 - FULL SCALE

D:\Projects\Bureau of Parks and Lands Storage Barn Design\DWG\11A11\11A11.dwg

AU:10:AU:2011

STAIRWAY OPTION

Risers @ 7"

Treads @ 11"

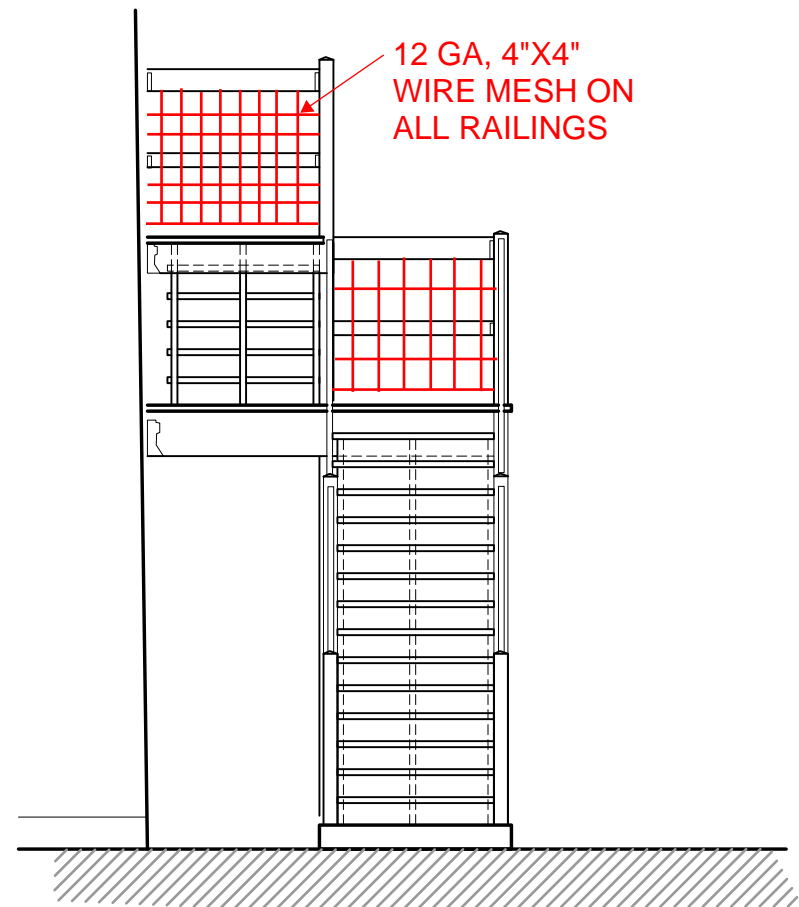
DECKING, HANDRAILS AND STRINGERS ALL ARE SO. PINE #2, PRESSURE TREATED . SEE TIMBER SCHEDULE.

ALL CONNECTIONS ARE TO BE MADE WITH GALVANIZED OR WEATHER RATED SCREWS AND BOLTS, UNO.

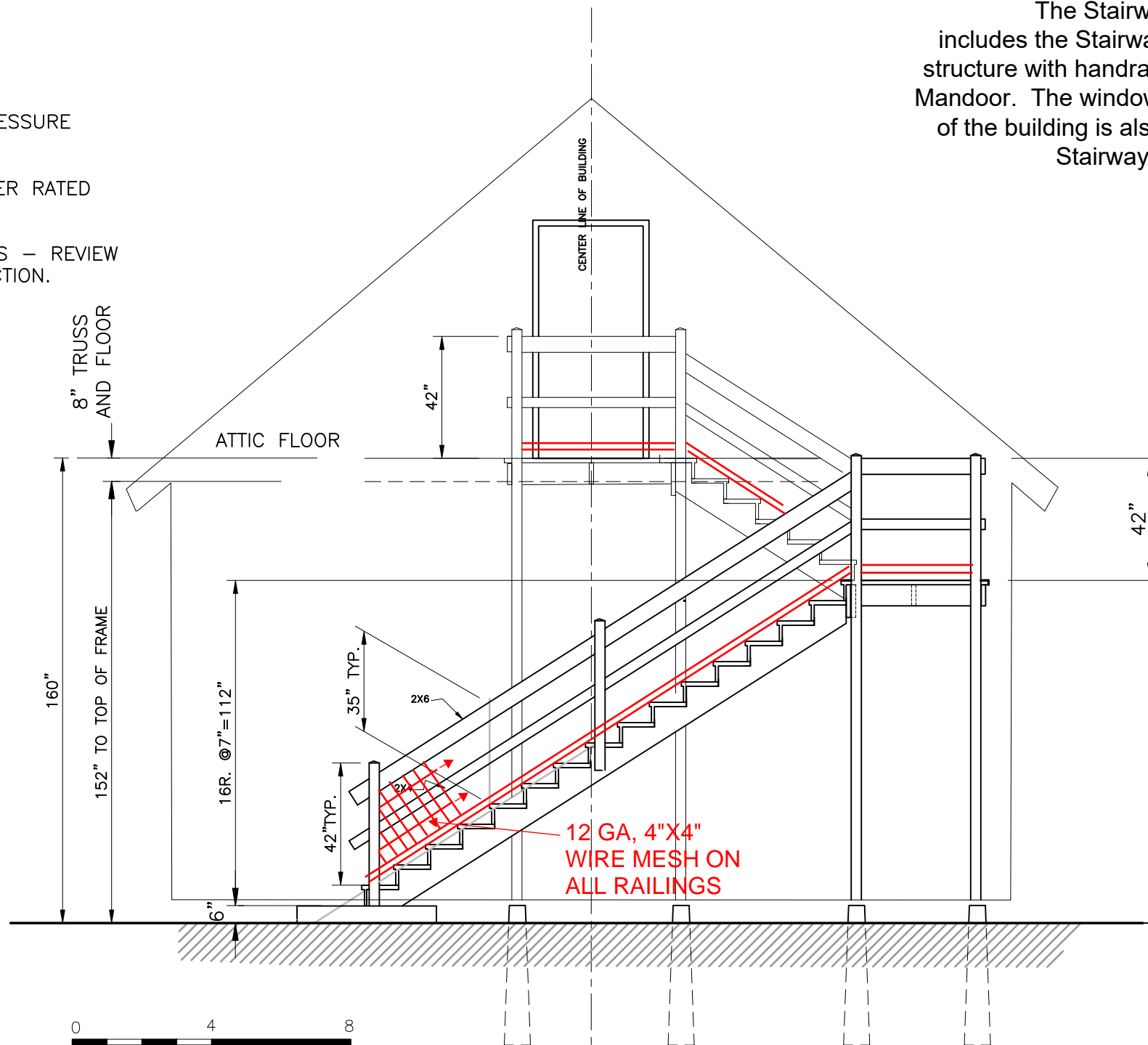
LOCAL ORDINANCES MAY REQUIRE ADDITIONAL STAIR REQUIREMENTS – REVIEW WITH LOCAL CODE ENFORCEMENT OFFICIALS PRIOR TO CONSTRUCTION.

STAIRWAY OPTION

The Stairway Option includes the Stairway foundation, stair structure with handrails, and the Prehung Mandoor. The window at the opposite end of the building is also included with the Stairway Option.



STAIR FRONT ELEVATION



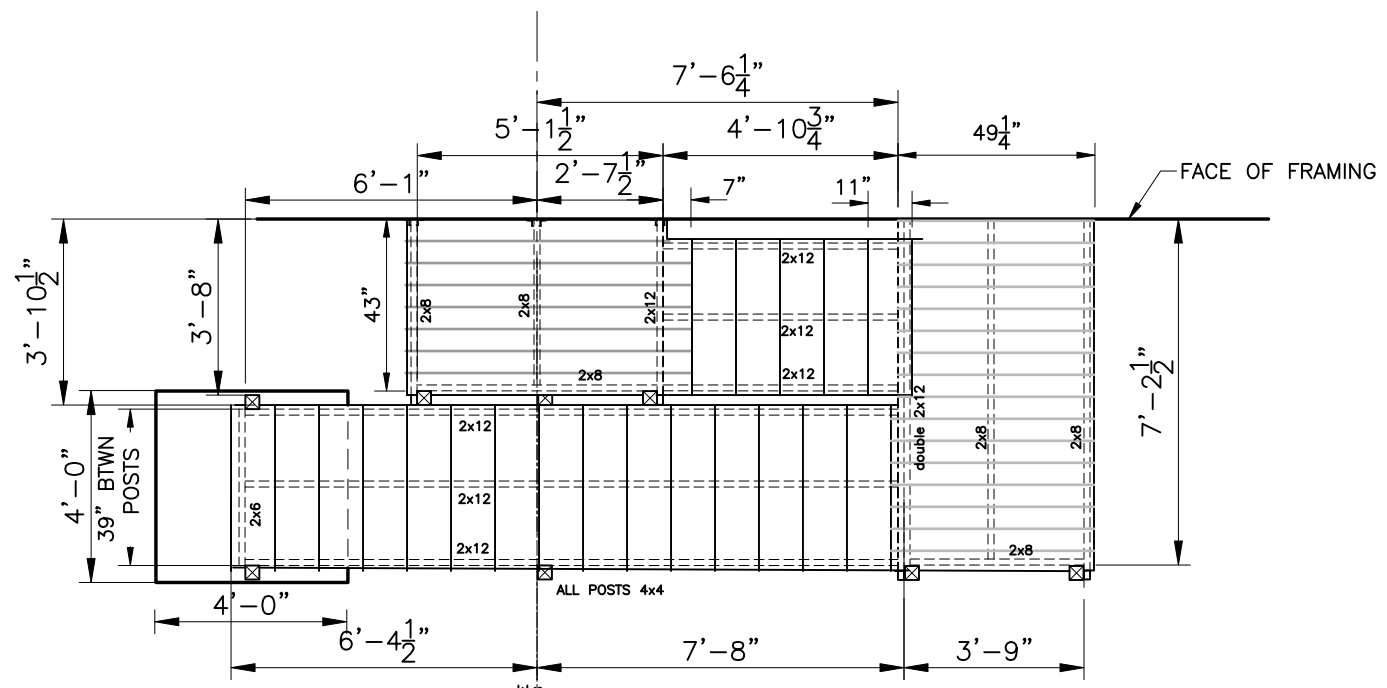
STAIR SIDE ELEVATION



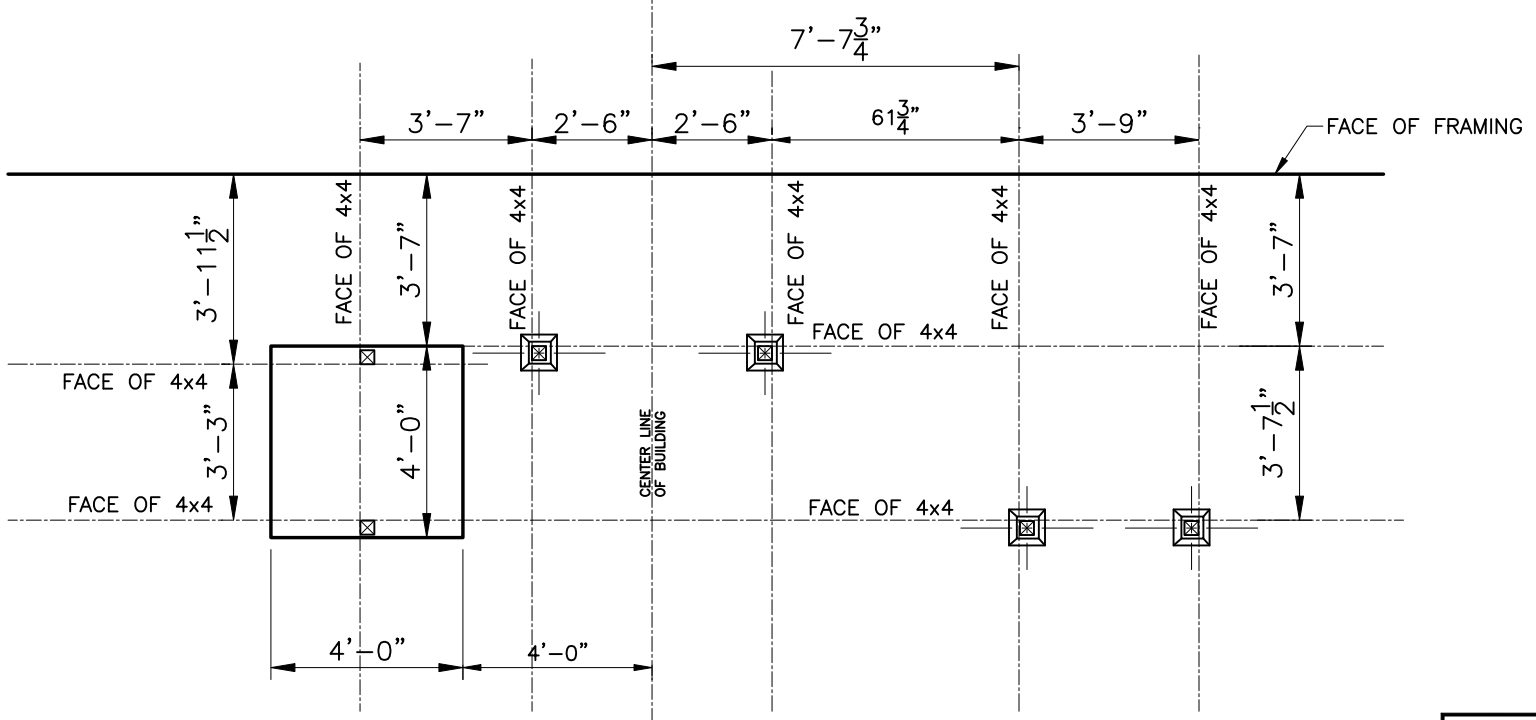
DWG A611

	NO.	REVISION	DATE	DESIGNED BY STR	State of Maine, Bureau of Parks and Lands Storage Barn Design for Maine State Parks
				DRAWN BY STR	
				BGS Project 3571 DATE REVISED 7-16-2023	STAIRWAY OPTION ELEVATIONS
				Pinnacle Hill Engineering PinnacleHillEngineering@gmail.com	33 Pinnacle Road Canaan, ME 04924
					11 REV. O

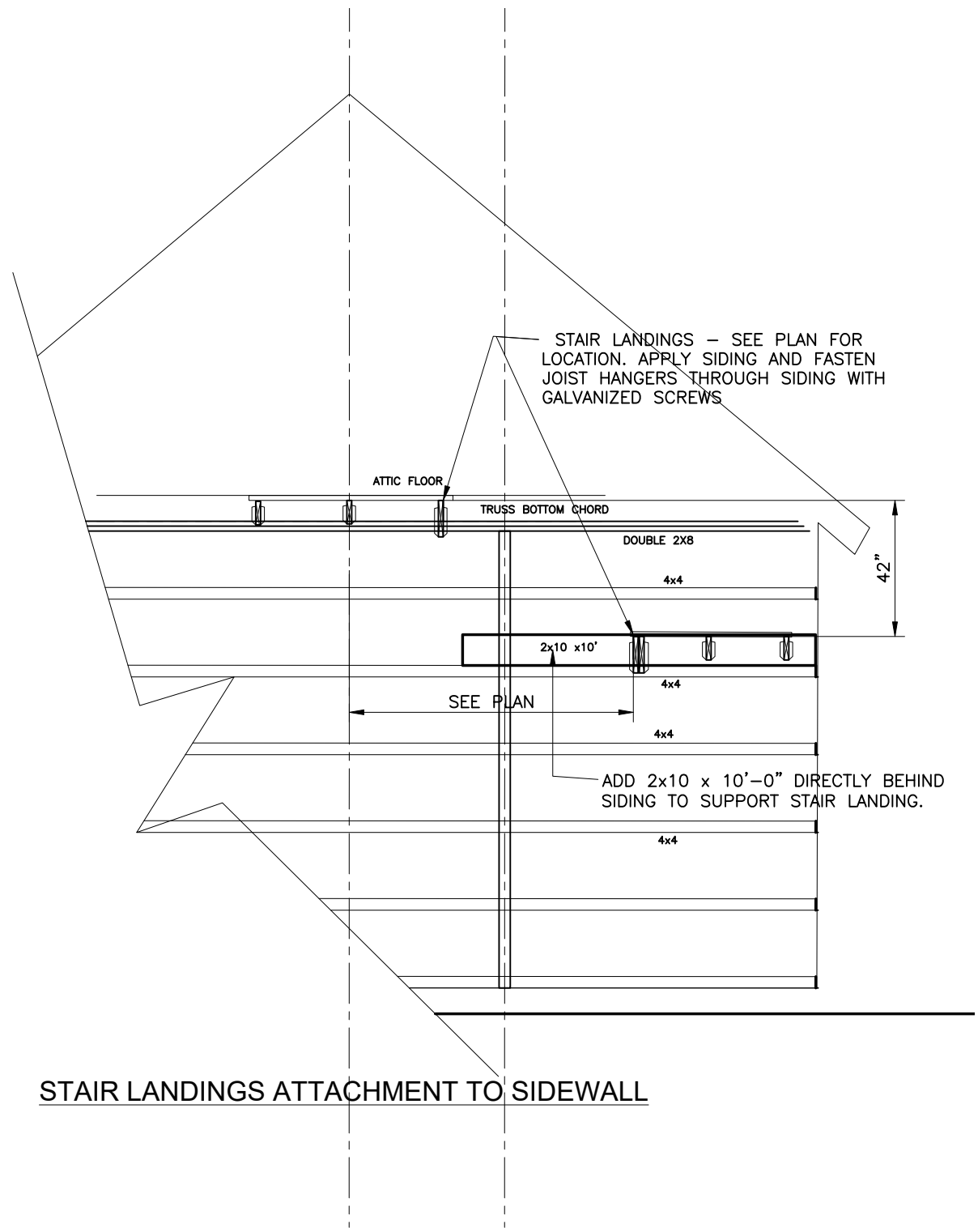
STAIRWAY AND TWO PERSONNEL DOORS ARE REQUIRED



STAIR FRAMING PLAN



STAIR FOUNDATION PLAN



STAIR LANDINGS ATTACHMENT TO SIDEWALL

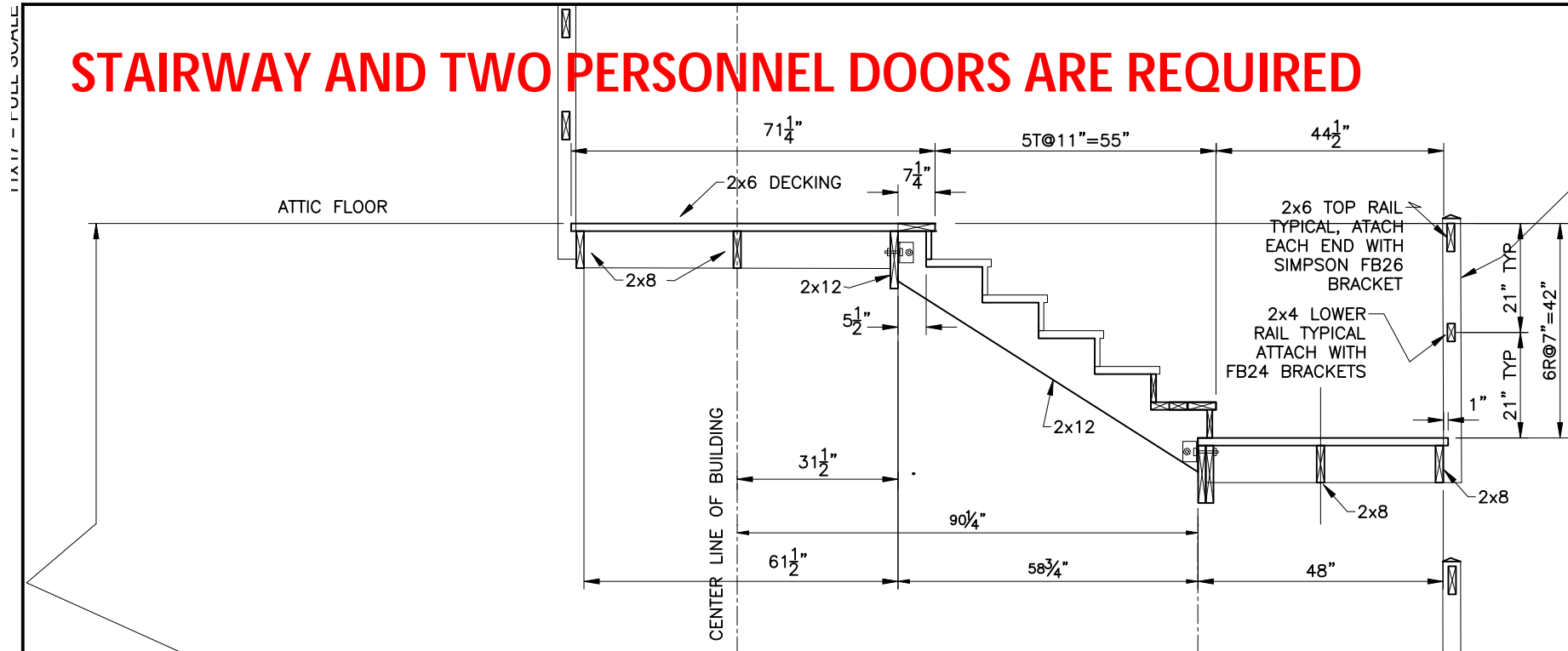
DWG A612

	NO.	REVISION	DATE	DESIGNED BY STR	State of Maine, Bureau of Parks and Lands Storage Barn Design for Maine State Parks
				DRAWN BY STR	
					BGS Project 3571 DATE REVISED 7-16-2023
				Pinnacle Hill Engineering PinnacleHillEngineering@gmail.com	33 Pinnacle Road Canaan, ME 04924
					12 REV. O

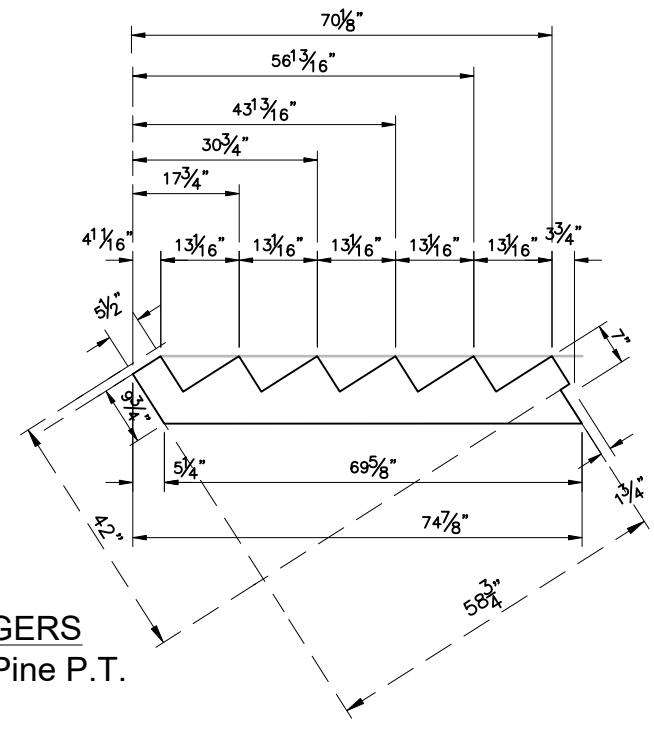
AU: 10/20/2011 11:17 - FULL SCALE 0:\Users\stru\Documents\Projects\Maine State Parks Storage Barn\DWG\DWG A612.dwg

STAIRWAY AND TWO PERSONNEL DOORS ARE REQUIRED

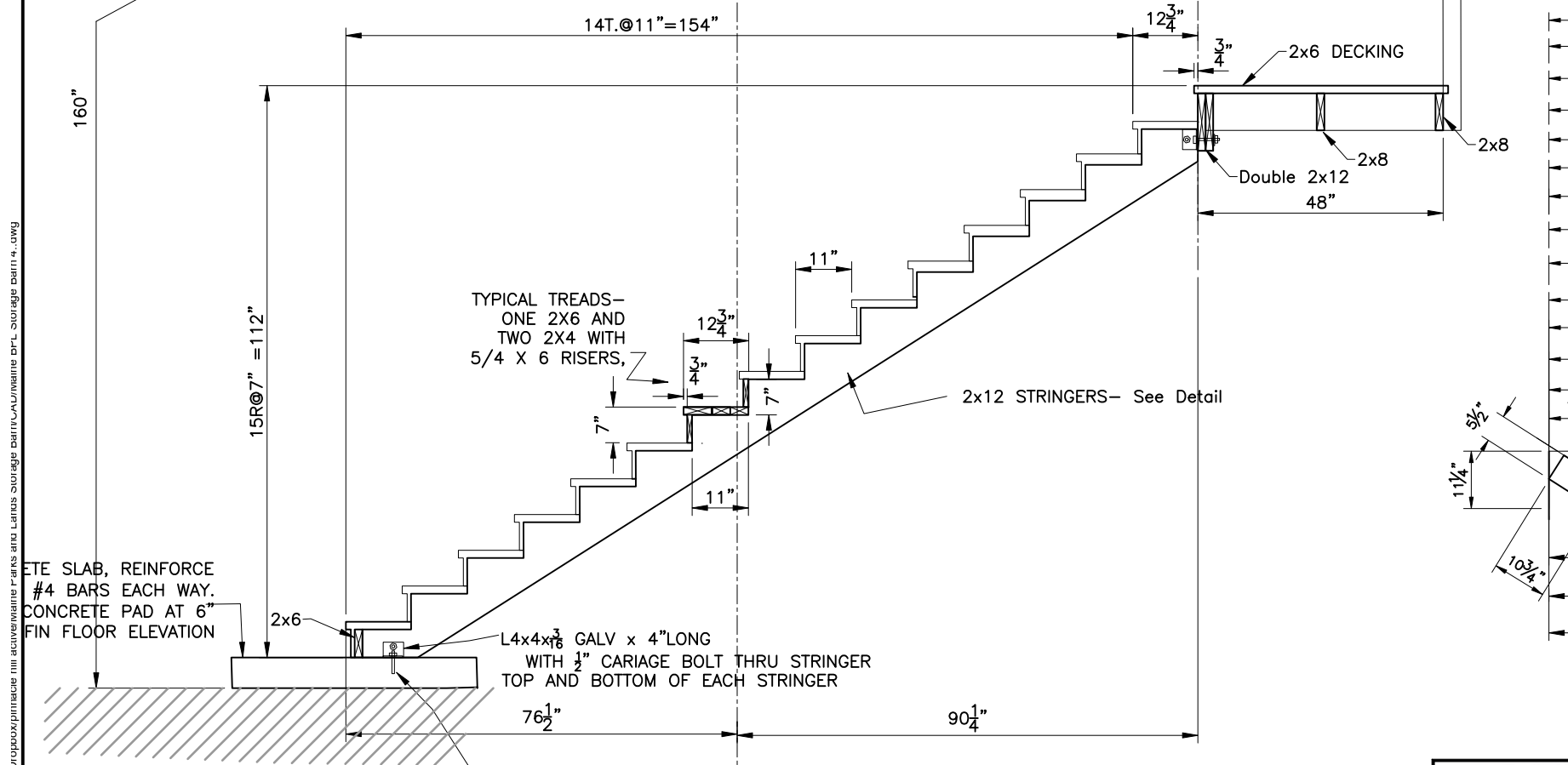
1:1/4" = FULL SCALE



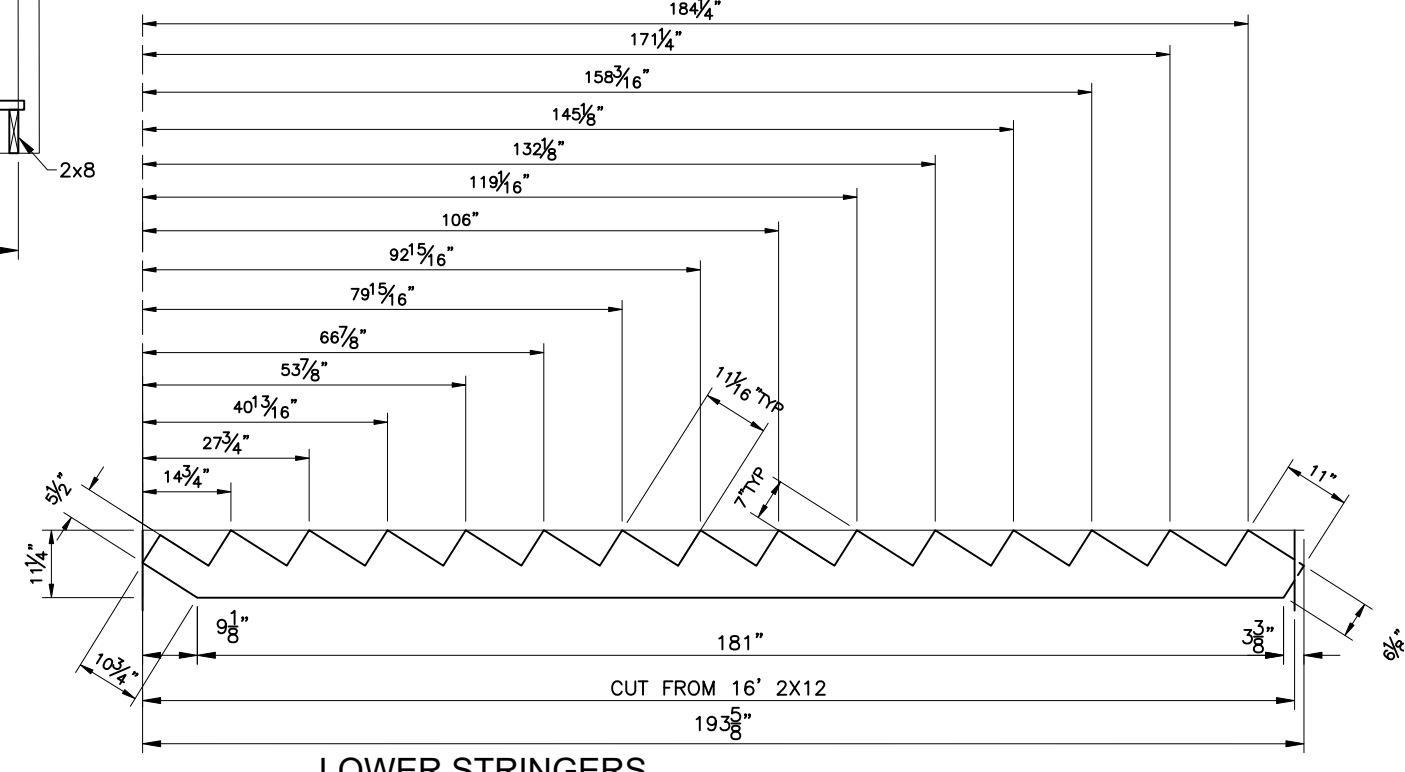
STAIR UPPER RUN SECTION



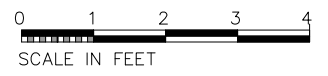
UPPER STRINGERS
Cut from 2x12 So.Pine P.T.
3 Req'd



STAIR LOWER RUN SECTION



LOWER STRINGERS
Cut from 2x12 So.Pine P.T.
3 Req'd



DWG A613

CONCRETE SLAB, REINFORCE #4 BARS EACH WAY. CONCRETE PAD AT 6" FIN FLOOR ELEVATION

L4x4x1/8 GALV x 4" LONG WITH 1/2" CARRIAGE BOLT THRU STRINGER TOP AND BOTTOM OF EACH STRINGER

ANCHOR EACH STRINGER WITH 1/2" ANCHOR BOLTS SET IN EPOXY, UNDER FIRST TREAD



NO.	REVISION	DATE

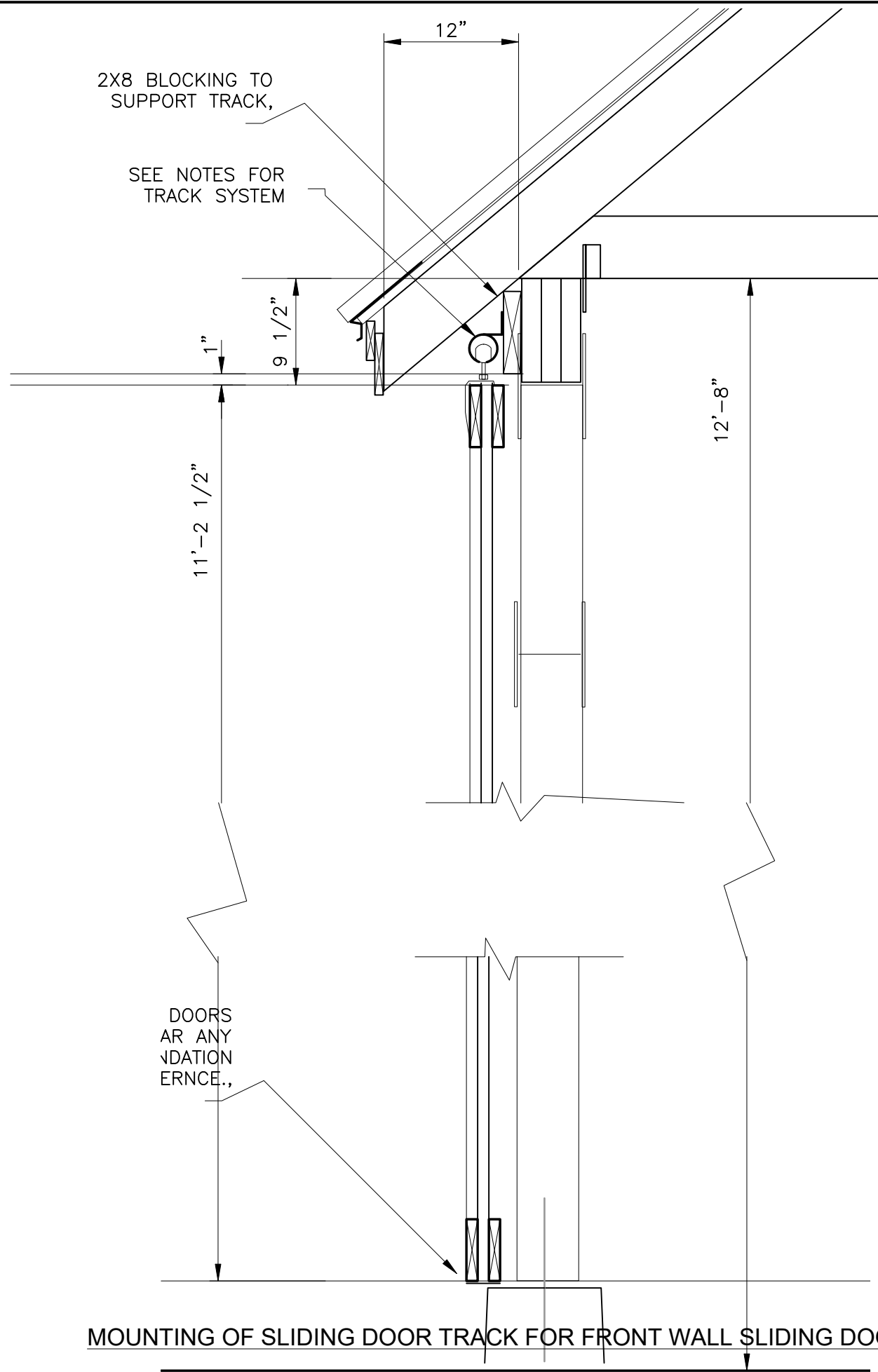
DESIGNED BY STR
DRAWN BY STR
BGS Project 3571
DATE REVISED 7-16-2023

State of Maine, Bureau of Parks and Lands
Storage Barn Design for Maine State Parks

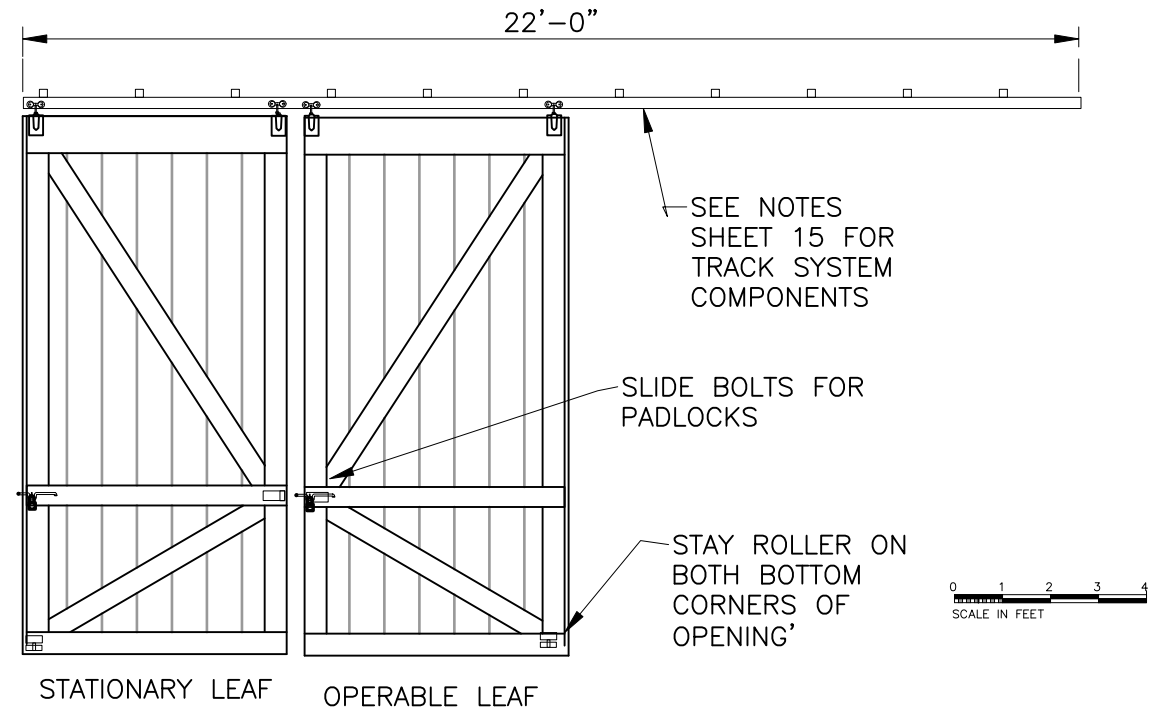
STAIRWAY DETAILS

Pinnacle Hill Engineering 33 Pinnacle Road
Canaan, ME 04924
PinnacleHillEngineering@gmail.com

13 REV. O



MOUNTING OF SLIDING DOOR TRACK FOR FRONT WALL SLIDING DOOR SYSTEM



FRONT WALL SLIDING DOOR OPTION

1. FRONT WALL DOOR SYSTEM FOR ONE OPENING = ONE DOOR PANEL AS SHOWN AND ONE OPPOSITE HAND, PLUS 22 FT TRACK SYSTEM, LATCHES AND BOTTOM ROLLERS
2. ROLLER SYSTEM- NATIONAL HARDWARE TRACKMASTER SYSTEM: WITH ROUND RAIL AND DELRIN ROLLERS. SEE SHEET 15 FOR NOTES.

IF TWO OR MORE DOORS IN ADJACENT DOOR OPENINGS ARE TO BE INSTALLED THEN A DOUBLE RAIL SYSTEM WILL BE REQUIRED SO THAT DOORS CAN SLIDE PAST EACH OTHER. SEE MFR LITERATURE FOR REQUIRED BRACKETS AND COMPONENTS.

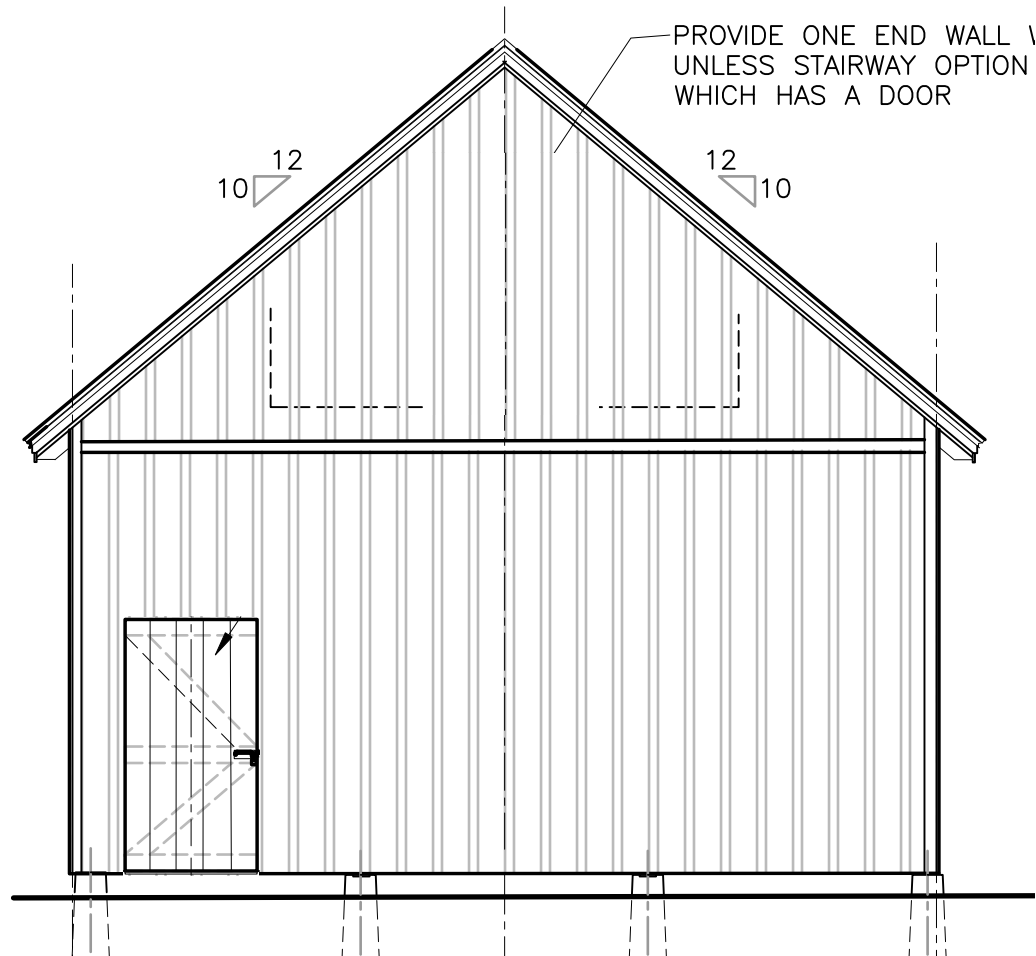
3. EXACT POSITION OF DOOR OVER OPENING IS TO BE ADJUSTED TO ALLOW FREE SLIDING AND FULL TRAVEL. SHIM DOOR TRACK AS REQUIRED WITH A FULL LENGTH SHIM SO THAT DOOR CLEARS PROTRUDING FASTENERS AND HARDWARE. APPLY SIDE CLOSURE PIECES LAST TO THE POSTS ON BOTH JAMBS, TRIMMED TO CLOSE THE OPENING ON EACH SIDE TO WITHIN 1/4" MAXIMUM.

INSTALL A STOP IN THE TRACK OR ON THE HEAD, 'FOR THE FIRST LEAF SO THAT THE DOOR WILL BE CENTERED ON THE OPENING

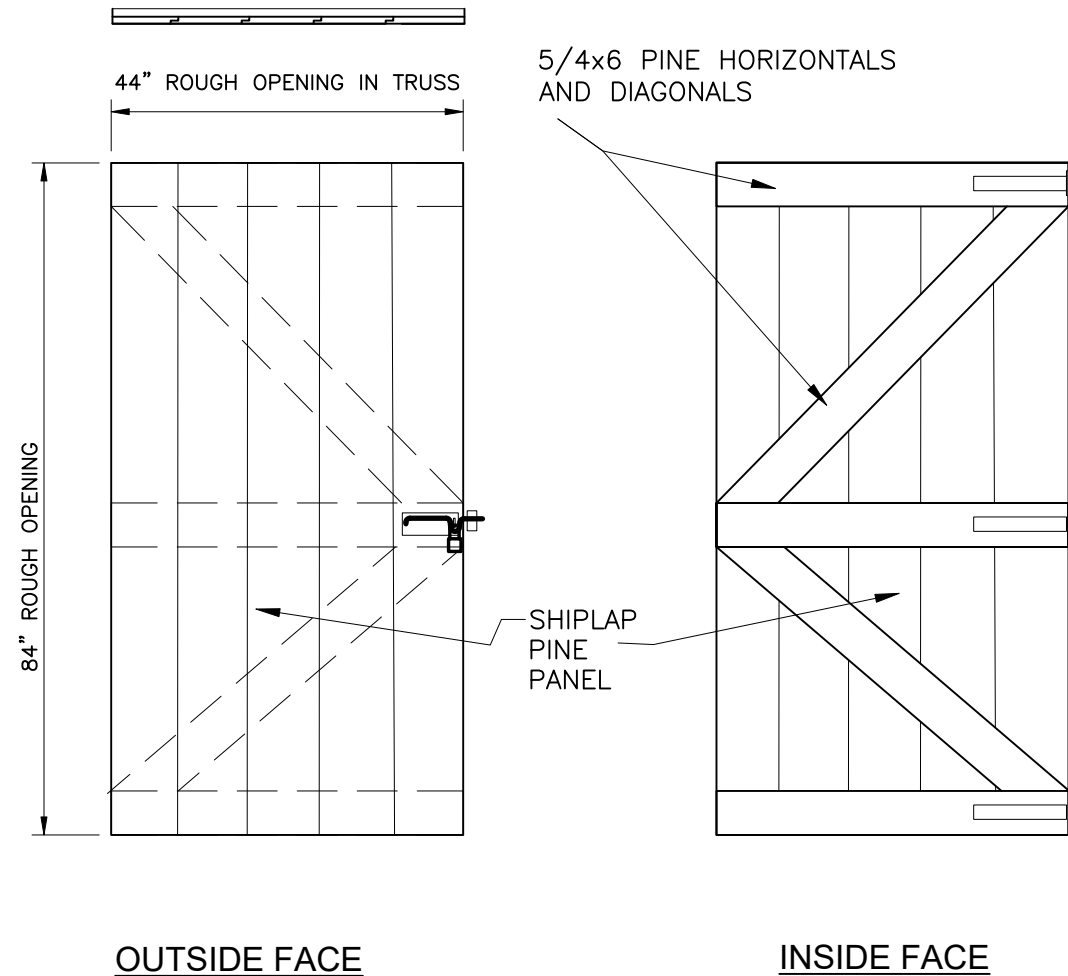
4. SLIDE BOLTS - TWO STAINLESS STEEL HEAVY DUTY 6 1/2" PADLOCKABLE -HARDWARE SOURCE SKU#504600 OR EQUAL. OWNER WILL PROVIDE PADLOCKS. ONE LEAF WILL BE LOCKED TO THE JAMB ON THE INSIDE AND THE SECOND LEAF WILL BE LOCKED TO THE FIRST LEAF ON THE OUTSIDE, ALLOWING THE OPERABLE LEAF TO BE OPENED FIRST AND THEN, IF NEEDED, THE STATIONARY LEAF CAN ALSO BE OPERATED.

DWG A614

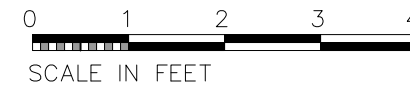
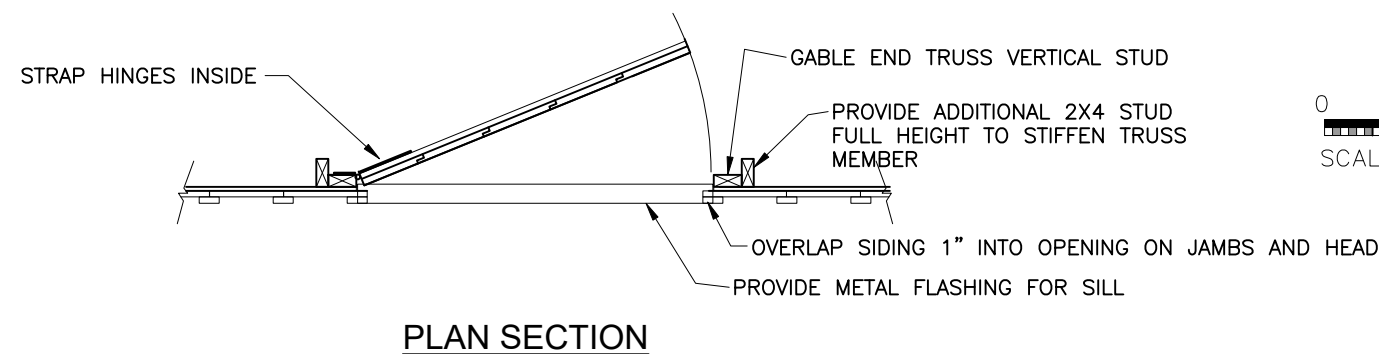
	NO.	REVISION	DATE	DESIGNED BY STR	State of Maine, Bureau of Parks and Lands Storage Barn Design for Maine State Parks
				DRAWN BY STR	
				BGS Project 3571	FRONT WALL SLIDING DOOR TRACK DETAILS
				DATE REVISED 7-16-2023	
				Pinnacle Hill ENGINEERING PinnacleHillEngineering@gmail.com	33 Pinnacle Road Canaan, ME 04924
					14 REV. O



ADD PERSONNEL DOOR



1. PROVIDE ONE (1) LOFT DOOR ON STAIRWAY SIDE AT UPPER LEVEL, AND ONE (1) MANDOOR ON GROUND FLOOR NEAR BASE OF STAIRWAY.
2. EASTERN WHITE PINE SELECT LUMBER ALL PIECES KILN DRIED AND SELECTED FOR STRAIGHTNESS AND LACK OF TWIST, NO LOOSE KNOTS, SPLITS OR WANE ALLOWED.
3. TREAT ALL PIECES WITH TWO COATS OF SPECIFIED SOLID STAIN BEFORE ASSEMBLY, TOUCH UP ALL CUT SURFACES AFTER ASSEMBLY
4. SET UP ON TRUE FLAT SURFACE DURING ASSEMBLY. GLUE AND SCREW ALL LAYERS. CONFIRM ACTUAL OPENING IN GABLE END TRUSS BEFORE MAKING.
5. HINGES - 8" HEAVY DUTY STRAP HINGES GALVANIZED STEEL, THREE PER DOOR LEAF,
6. SLIDE BOLT - STAINLESS STEEL HEAVY DUTY 6 1/2" PADLOCKABLE - HARDWARE SOURCE SKU#504600 OR EQUAL.



DWG A616

	NO.	REVISION	DATE	DESIGNED BY STR	State of Maine, Bureau of Parks and Lands Storage Barn Design for Maine State Parks
				DRAWN BY STR	
				BGS Project 3571	END WALL LOFT DOOR OPTION
				DATE REVISED 7-16-2023	
				Pinnacle Hill ENGINEERING PinnacleHillEngineering@gmail.com	33 Pinnacle Road Canaan, ME 04924
					18 REV. O