

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



CREW QUARTERS DIXFIELD OXFORD COUNTY

WIN # 030325.00

SPECIFICATIONS

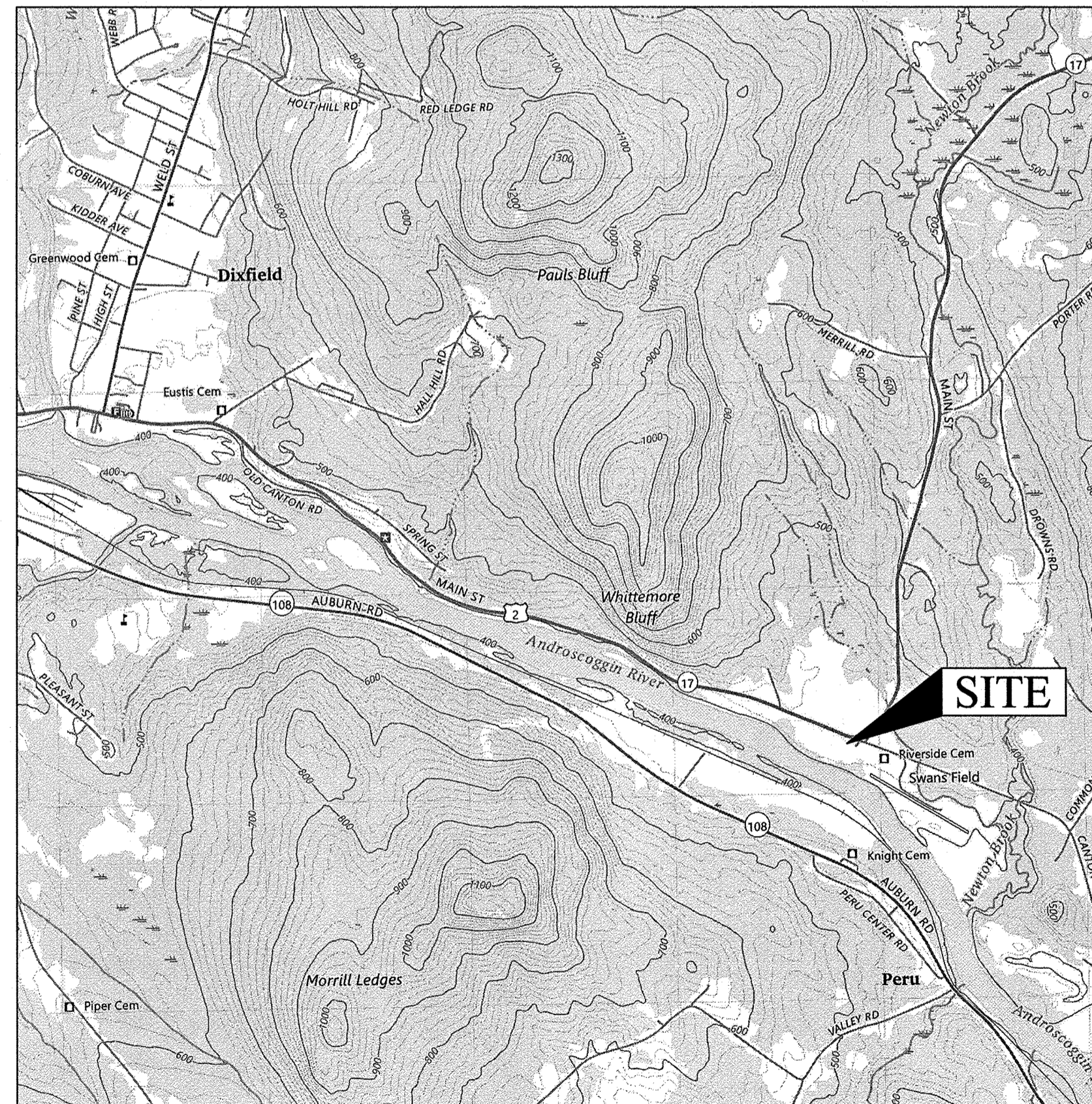
DESIGN: INTERNATIONAL BUILDING CODE 2021
ACI 318-08

DESIGN LOADING

LIVE LOAD	SLAB-ON-GRADE 100 PSF
GROUND SNOW LOAD	UNIFORM LOAD
WIND SPEED	90 PSF
	115 MPH

MATERIALS

REINFORCING STEEL ASTM A615, GRADE 60



LOCUS MAP NOT
TO SCALE

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PROJECT LOCATION	DIXFIELD
PROGRAM AREA	MAINTENANCE & OPERATIONS
SCOPE OF WORK	CREW QUARTERS DESIGN

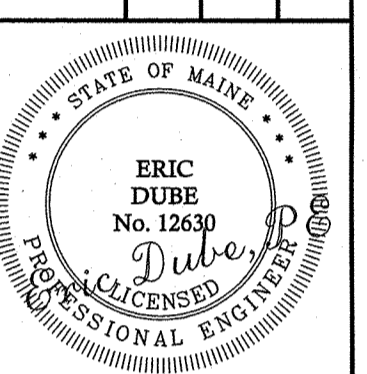
CONSULTANTS:

TRILLIUM ENGINEERING GROUP
189 MAIN STREET SUITE 200
YARMOUTH, ME 04096

DAVID MATERO ARCHITECTURE
49 CENTRE STREET
BATH, ME 04530

BENNETT ENGINEERING
7 BENNETT ROAD,
FREEPORT, ME 04032

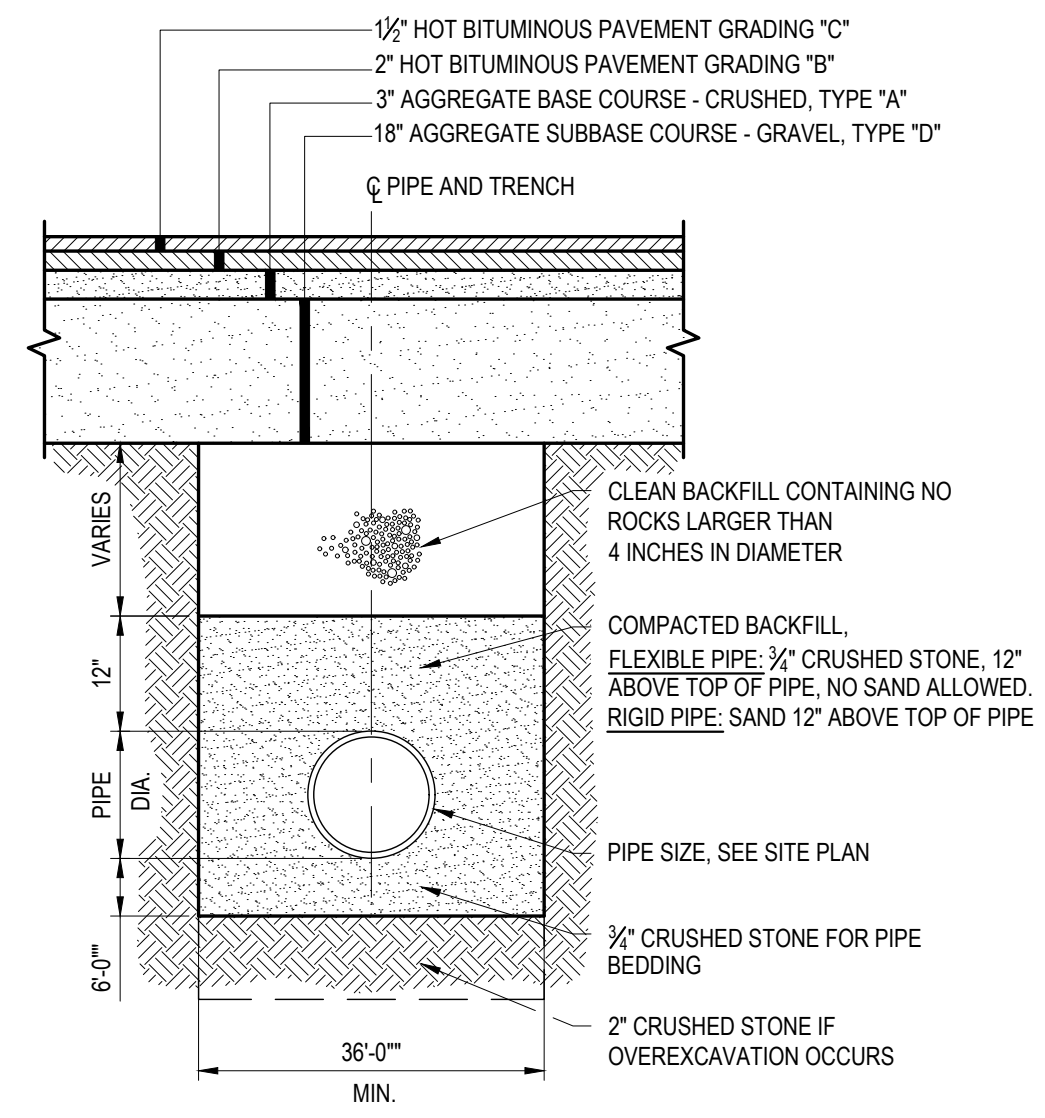
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	DATE 12-31-2025
APPROVED	ACTING COMMISSIONER: <i>[Signature]</i>
	CHIEF ENGINEER: <i>[Signature]</i>



	ME-12630 PE NUMBER		OCT. 2025 DATE
DATE	OCT. 2025		
BY	ED		
FOR BID			

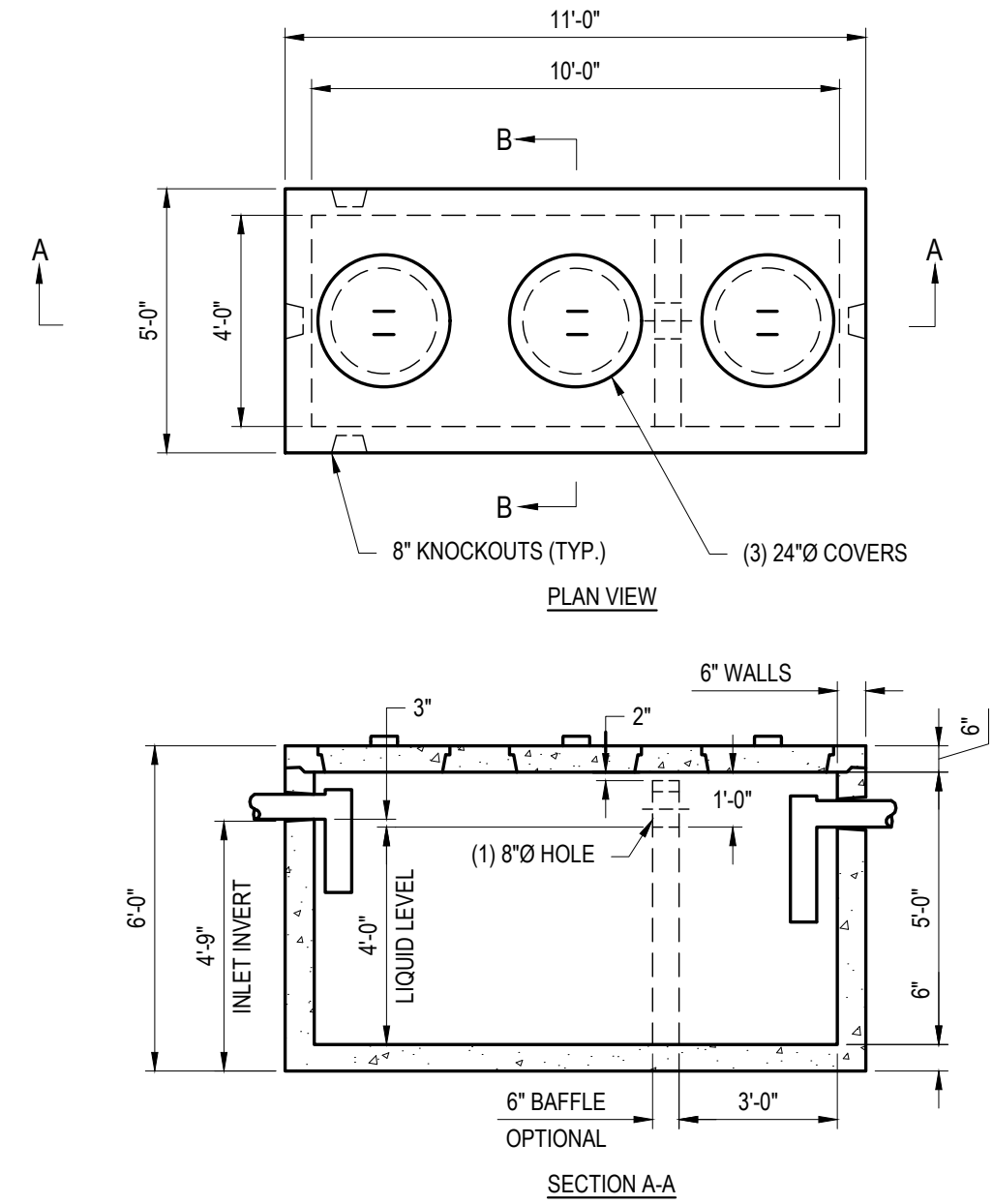
**MDOT CREW QUARTERS
DIXFIELD, MAINE
COVER SHEET**

SHEET NUMBER
1



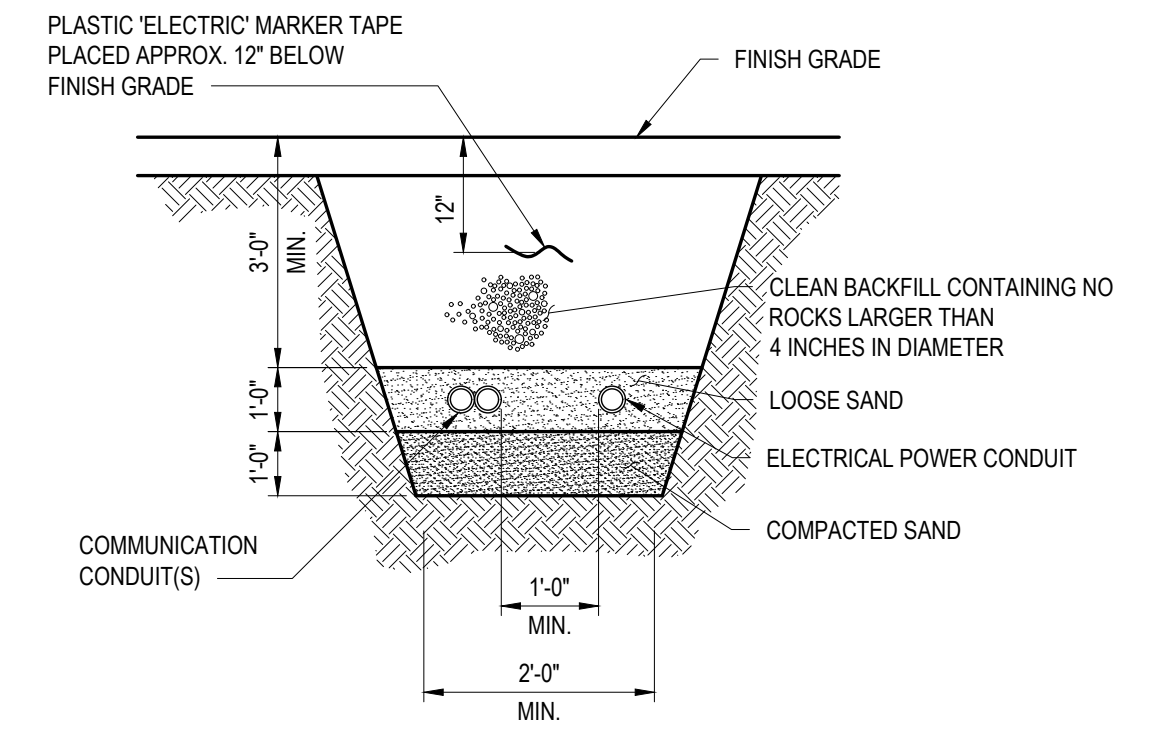
NOTE:
ANY ALTERNATE TRENCHING OR PAYMENT METHODS
SHALL BE APPROVED BY THE STATE.

1 TYPICAL UNDERGROUND PIPE TRENCH SECTION
NTS

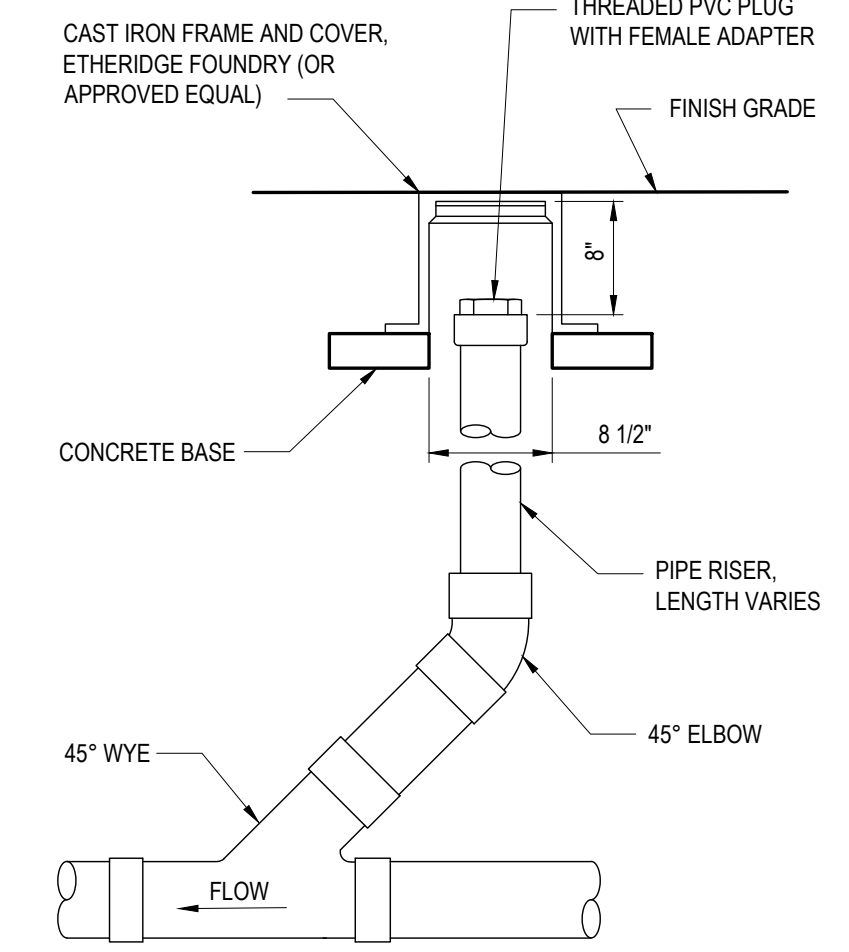


- NOTES:
1. CONCRETE: 5,000 P.S.I. MINIMUM STRENGTH @ 28 DAYS.
 2. STEEL REINFORCING - ASTM A-615, GRADE 60
 3. COVER TO STEEL - 1" MINIMUM
 4. TANKS ARE DESIGNED TO MEET ASTM C858 AND ACI 318 WITH AASHTO HS-20 LOADING
 5. EARTH COVER - 0' TO 5' MAXIMUM
 6. CONSTRUCTION JOINT SEALED WITH 1" BUTYL RUBBER OF EQUIVALENT

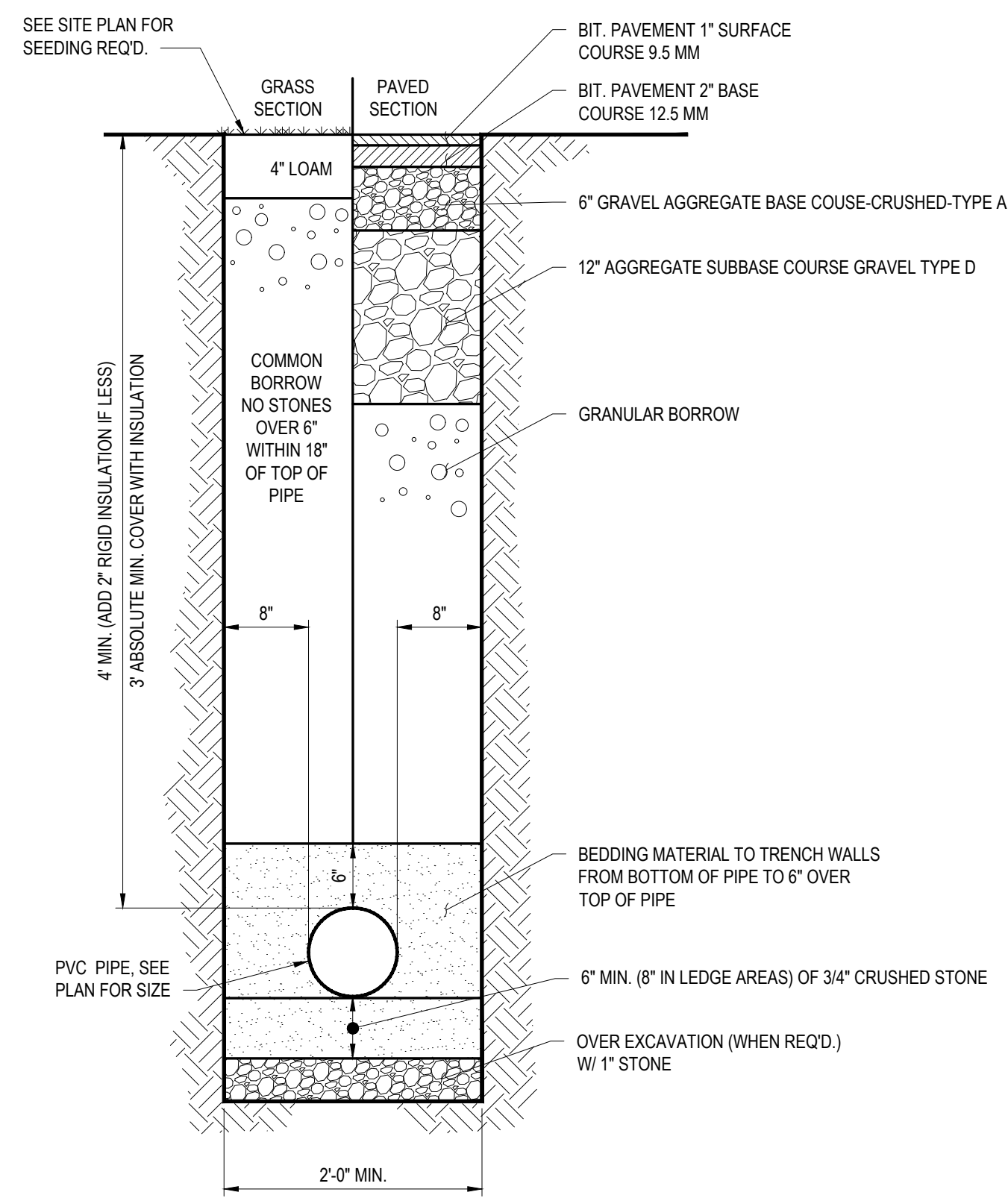
2 TYPICAL SEPTIC TANK DETAIL
NTS



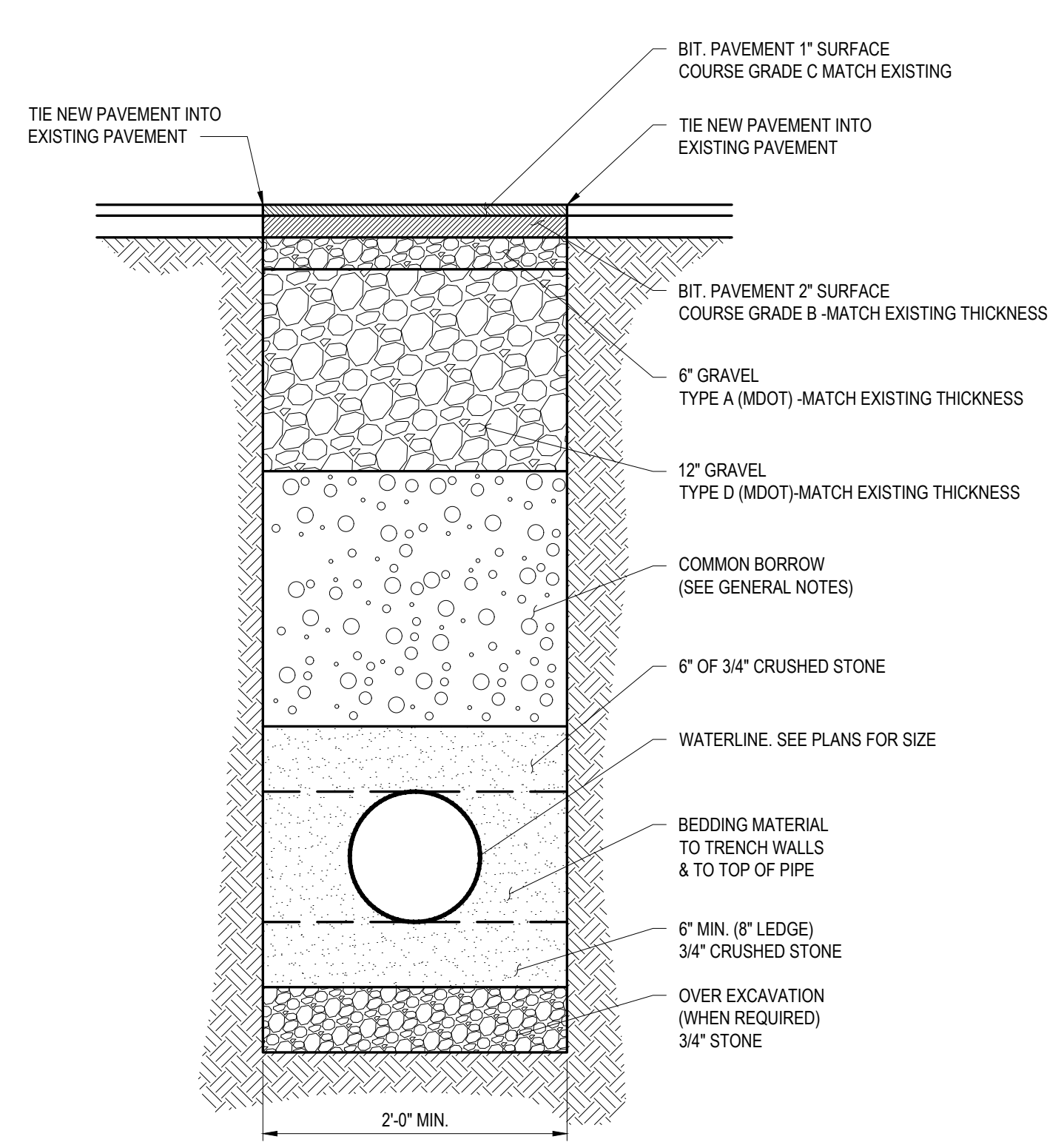
3 TYPICAL UNDERGROUND WIRE TRENCH SECTION
NTS



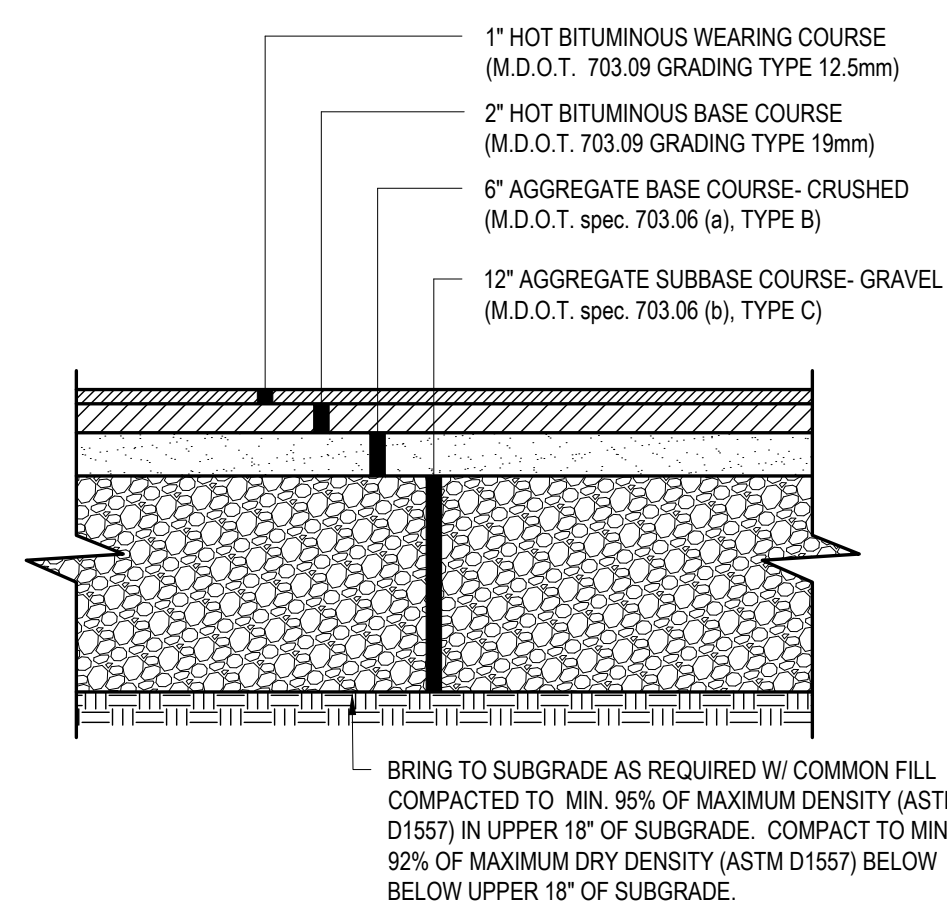
4 CLEANOUT DETAIL
NTS



5 TYPICAL GRAVITY SANITARY TRENCH SECTION
NTS

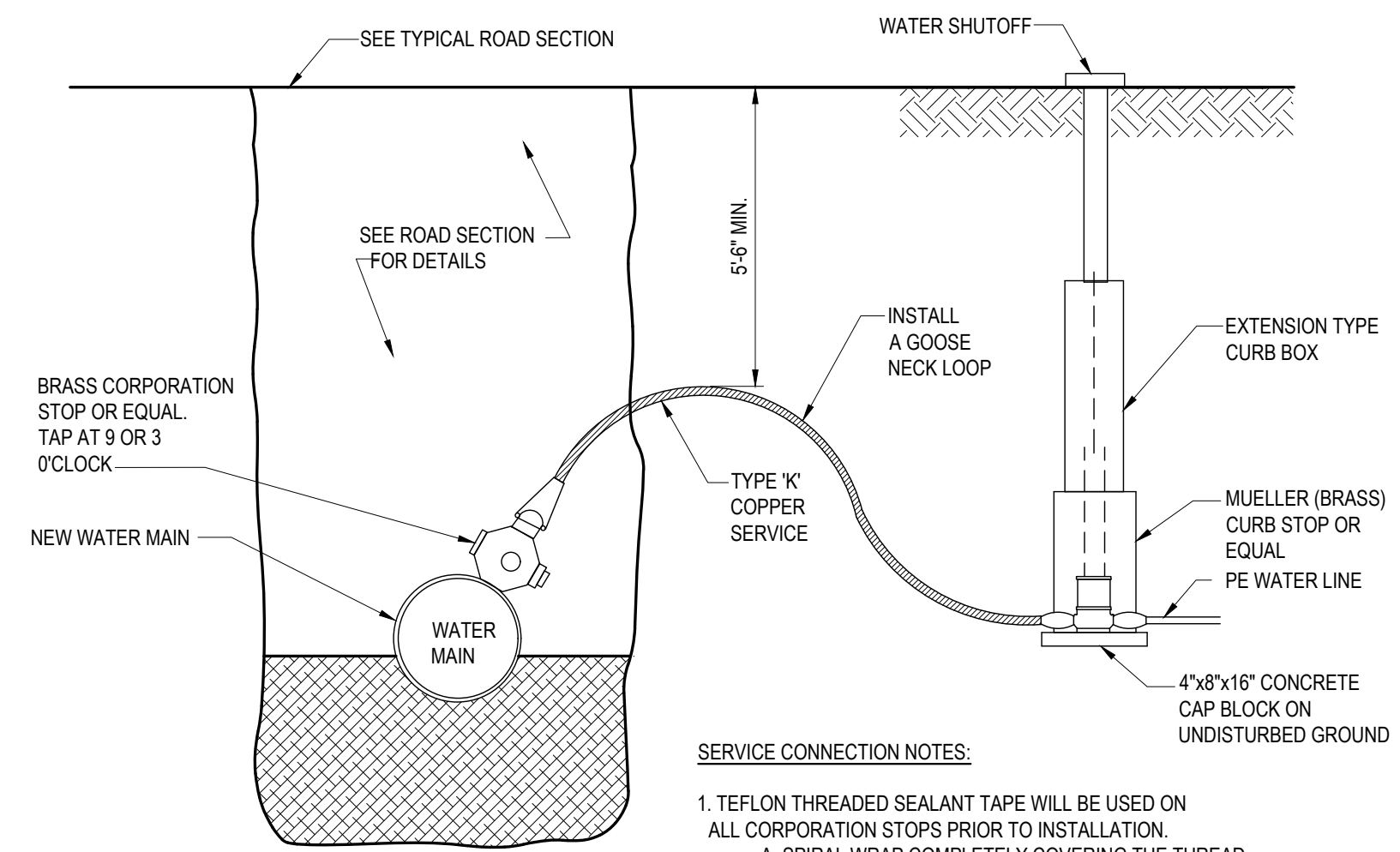


6 WATER MAIN TRENCH SECTION
NTS



- NOTES:
1. COMPACT GRAVEL SUBBASE, BASE COURSE TO MIN. 92% OF MAXIMUM DENSITY (ASTM D1557) USING HEAVY ROLLER COMPACTION.

7 TYPICAL PAVED SECTION
NTS

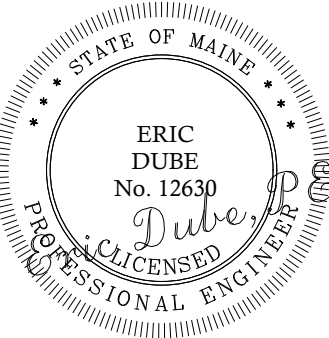


- SERVICE CONNECTION NOTES:
1. TEFLON THREADED SEALANT TAPE WILL BE USED ON ALL CORPORATION STOPS PRIOR TO INSTALLATION.
 - A. SPIRAL WRAP COMPLETELY COVERING THE THREAD AREA WITH TWO WRAPS.
 - B. PIPE DOPE OR OTHER LIQUID THREAD SEALANTS ARE NOT ACCEPTABLE.
 2. LEAVE UP TO THREE THREADS SHOWING OUTSIDE OF PIPE. A TORQUE OF 35 POUNDS IS RECOMMENDED.

- GENERAL NOTES:
1. CONTRACTOR SHALL CONFIRM ALL PIPE SIZES WITH THE CITY WATER DISTRICT.
 2. WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE CITY WATER DISTRICT STANDARDS.
 3. CONTRACTOR SHALL STUB NEW SERVICES AT THE EDGE OF THE R.O.W. IN THE MIDDLE OF EACH LOT, UNLESS OTHERWISE NOTED ON THE PLAN/PROFILES.
 4. FINAL LOCATION OF ALL BLOW OFF VALVES, SHUT OFF VALVES, STREET BOXES AND HYDRANT VALVES SHALL BE IN ACCORDANCE WITH THE CITY WATER DISTRICT.

8 TYPICAL WATER SERVICE CONNECTION DETAIL
NTS

STATE OF MAINE DOT
CREW QUARTERS
DIXFIELD, MAINE
WIN 030325.00



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MDOT CREW QUARTERS
DIXFIELD, MAINE
SITE DETAILS

SHEET NUMBER

EROSION AND SEDIMENTATION NOTES

1. THIS PLAN HAS BEEN DEVELOPED TO PROVIDE A STRATEGY FOR DEALING WITH SOIL EROSION AND SEDIMENTATION DURING AND AFTER PROJECT CONSTRUCTION. THIS PLAN IS BASED ON THE STANDARD AND SPECIFICATIONS FOR EROSION PREVENTION AS CONTAINED IN THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: "MAINE EROSION AND SEDIMENT CONTROL BMPs" PUBLISHED BY THE MAINE DEP, LATEST EDITION.

GENERAL EROSION AND SEDIMENTATION CONTROL PRACTICES

- EROSION/SEDIMENT CONTROL DEVICES
 - THE FOLLOWING EROSION SEDIMENTATION CONTROL DEVICES ARE PROPOSED FOR CONSTRUCTION ON THIS PROJECT. INSTALL THESE DEVICES AS INDICATED ON THE PLANS.
 - SILT FENCE: SILT FENCE WILL BE INSTALLED ALONG THE DOWN GRADING EDGES OF DISTURBED AREAS TO TRAP RUNOFF BORNE SEDIMENTS UNTIL THE SITE IS STABILIZED. IN AREAS WHERE STORMWATER DISCHARGES THE SILT FENCE WILL BE REINFORCED WITH HAY BALES TO HELP MAINTAIN THE INTEGRITY OF THE SILT FENCE AND TO PROVIDE ADDITIONAL TREATMENT.
 - HAY BALES TO BE PLACED IN LOW FLOW DRAINAGE SWALES AND PATHS TO TRAP SEDIMENTS AND REDUCE RUNOFF VELOCITIES. DO NOT PLACE HAY BALES IN FLOWING WATER OR STREAMS.
 - RIPRAP: PROVIDE RIPRAP IN AREAS WHERE CULVERTS DISCHARGE OR AS SHOWN ON THE PLANS.
 - LOAM, SEED, & MULCH: ALL DISTURBED AREAS, WHICH ARE NOT OTHERWISE TREATED, SHALL RECEIVE PERMANENT SEEDING AND MULCH TO STABILIZE THE DISTURBED AREAS. THE DISTURBED AREAS WILL BE REVEGETATED WITHIN 5 DAYS OF FINAL GRADING. SEEDING REQUIREMENTS ARE PROVIDED AT THE END OF THIS SPECIFICATION.
 - STRAW AND HAY MULCH: USED TO COVER DENUDED AREAS UNTIL PERMANENT SEED OR EROSION CONTROL MEASURES ARE IN PLACE. MULCH BY ITSELF CAN BE USED ON SLOPES LESS THAN 15% IN SUMMER AND 8% IN WINTER. ALL OTHER SLOPES MUST BE COVERED WITH JUTE MESH OVER MULCH, OR CURLEX II OR EXCELSIOR MAY BE USED IN PLACE OF JUTE MESH AND MULCH OVER LOAM AND SEED.
 - MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%. VEGETATED DRAINAGE SWALES SHALL BE LINED WITH EXCELSIOR OR CURLEX.
- TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES
 - PROVIDE THE FOLLOWING TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION OF THE DEVELOPMENT:
 - SILTATION FENCE ALONG THE DOWNGRADIENT SIDE OF THE PARKING AREAS AND OF ALL FILL SECTIONS. THE SILTATION FENCE WILL REMAIN IN PLACE UNTIL THE SITE IS 85% REVEGETATED.
 - HAY BALES PLACED AT KEY LOCATIONS TO SUPPLEMENT THE SILT FENCE.
 - PROTECT TEMPORARY STOCKPILES OF STUMPS, GRUBBINGS, OR COMMON EXCAVATION AS FOLLOWS:
 - SOIL STOCKPILE SIDE SLOPES SHALL NOT EXCEED 2:1.
 - AVOID PLACING TEMPORARY STOCKPILES IN AREAS WITH SLOPES OVER 10 PERCENT, OR NEAR DRAINAGE SWALES. SEE ITEM 3 IN CONSTRUCTION PHASE NOTES BELOW.
 - STABILIZE STOCKPILES WITHIN 15 DAYS BY TEMPORARILY SEEDING WITH A HYDROSEED METHOD CONTAINING AN EMULSIFIED MULCH TACKIFIER OR BY COVERING THE STOCKPILE WITH MULCH.
 - SURROUND STOCKPILE SOIL WITH SILTATION FENCE AT BASE OF PILE.
 - ALL DENUDED AREAS WHICH HAVE BEEN ROUGH GRADED AND ARE NOT LOCATED WITHIN THE BUILDING PAD, OR PARKING AND DRIVEWAY SUBBASE AREA SHALL RECEIVE MULCH WITHIN 30 DAYS OF INITIAL DISTURBANCE OF SOIL OR WITHIN 15 DAYS AFTER COMPLETING THE ROUGH GRADING OPERATIONS. IN THE EVENT THE CONTRACTOR COMPLETES FINAL GRADING AND INSTALLATION OF LOAM AND SOD WITHIN THE TIME PERIODS PRESENTED ABOVE, INSTALLATION OF MULCH AND NETTING, WHERE APPLICABLE, IS NOT REQUIRED.
 - IF WORK IS CONDUCTED BETWEEN OCTOBER 15 AND APRIL 15, ALL DENUDED AREAS ARE TO BE COVERED WITH HAY MULCH, APPLIED AT TWICE THE NORMAL APPLICATION RATE, AND ANCHORED WITH FABRIC NETTING. THE PERIOD BETWEEN FINAL GRADING AND MULCHING SHALL BE REDUCED TO A 15 DAY MAXIMUM.
 - TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE HAS BEEN STABILIZED OR IN AREAS WHERE PERMANENT EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
- PERMANENT EROSION CONTROL MEASURES
 - THE FOLLOWING PERMANENT CONTROL MEASURES ARE REQUIRED BY THIS EROSION/SEDIMENTATION CONTROL PLAN:
 - ALL AREAS DISTURBED DURING CONSTRUCTION, BUT NOT SUBJECT TO OTHER RESTORATION (PAVING, RIPRAP, ETC.), WILL BE LOAMED, LIMED, FERTILIZED AND SEED. NATIVE TOPSOIL SHALL BE STOCKPILED AND REUSED FOR FINAL RESTORATION WHEN IT IS OF SUFFICIENT QUALITY.
 - SLOPES GREATER THAN 2:1 WILL RECEIVE RIPRAP.

CONSTRUCTION PHASE
THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION DURING CONSTRUCTION OF THIS PROJECT.

- ONLY THOSE AREAS UNDER ACTIVE CONSTRUCTION WILL BE CLEARED AND LEFT IN AN UNTREATED OR UNVEGETATED CONDITION. IF FINAL GRADING, LOAMING AND SEEDING WILL NOT OCCUR WITHIN 15 DAYS, SEE ITEM NO. 4.
- PRIOR TO THE START OF CONSTRUCTION IN A SPECIFIC AREA, SILT FENCING AND/OR HAY BALES WILL BE INSTALLED AT THE TOE OF SLOPE AND IN AREAS AS LOCATED ON THE PLANS TO PROTECT AGAINST ANY CONSTRUCTION RELATED EROSION. IMMEDIATELY FOLLOWING CONSTRUCTION OF CULVERTS AND SWALES, RIP RAP APRONS SHALL BE INSTALLED, AS SHOWN ON THE PLANS.
- TOPSOIL WILL BE STOCKPILED WHEN NECESSARY IN AREAS WHICH HAVE MINIMUM POTENTIAL FOR EROSION AND WILL BE KEPT AS FAR AS POSSIBLE FROM THE EXISTING DRAINAGE COURSE. NO STOCKPILE SHALL BE CLOSER THAN 100' OF A RESOURCE INCLUDING, BUT NOT LIMITED TO, WETLANDS, STREAMS, AND OPEN WATER BODIES. ALL STOCKPILES SHALL HAVE A SILTATION FENCE BELOW THEM REGARDLESS OF TIME OF PRESENCE. ALL STOCKPILES EXPECTED TO REMAIN LONGER THAN 15 DAYS SHALL BE:
 - TREATED WITH ANCHORED MULCH (WITHIN 5 DAYS OF THE LAST DEPOSIT OF STOCKPILED SOIL).
 - SEEDED WITH CONSERVATION MIX AND MULCHED IMMEDIATELY.
 - INSTALL SILT FENCE AROUND STOCKPILE AT BASE OF PILE.
 STOCKPILES TO HAVE SILT FENCE INSTALLED AT TIME OF ESTABLISHMENT AT BASE OF PILE.
- ALL DISTURBED AREAS EXPECTED TO REMAIN LONGER THAN 30 DAYS SHALL BE EITHER:
 - TREATED WITH ANCHORED MULCH IMMEDIATELY, OR
 - SEEDED WITH CONSERVATION MIX OF ANNUAL RYE GRASS (0.9 LBS/1000 SQ. FT) AND MULCHED IMMEDIATELY.
- ALL GRADING WILL BE HELD TO A MAXIMUM 2:1 SLOPE WHERE PRACTICAL. ALL SLOPES WILL BE STABILIZED WITH PERMANENT SEEDING, OR WITH STONE, WITHIN 5 DAYS AFTER FINAL GRADING IS COMPLETE. (SEE POST-CONSTRUCTION REVEGETATION FOR SEEDING SPECIFICATION.)
- ALL CULVERTS WILL BE PROTECTED WITH STONE RIPRAP (D50 = 6" UNLESS OTHERWISE SPECIFIED) AT INLETS AND OUTLETS.

POST-CONSTRUCTION REVEGETATION

THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION AS SOON AS AN AREA IS READY TO UNDERGO FINAL GRADING.

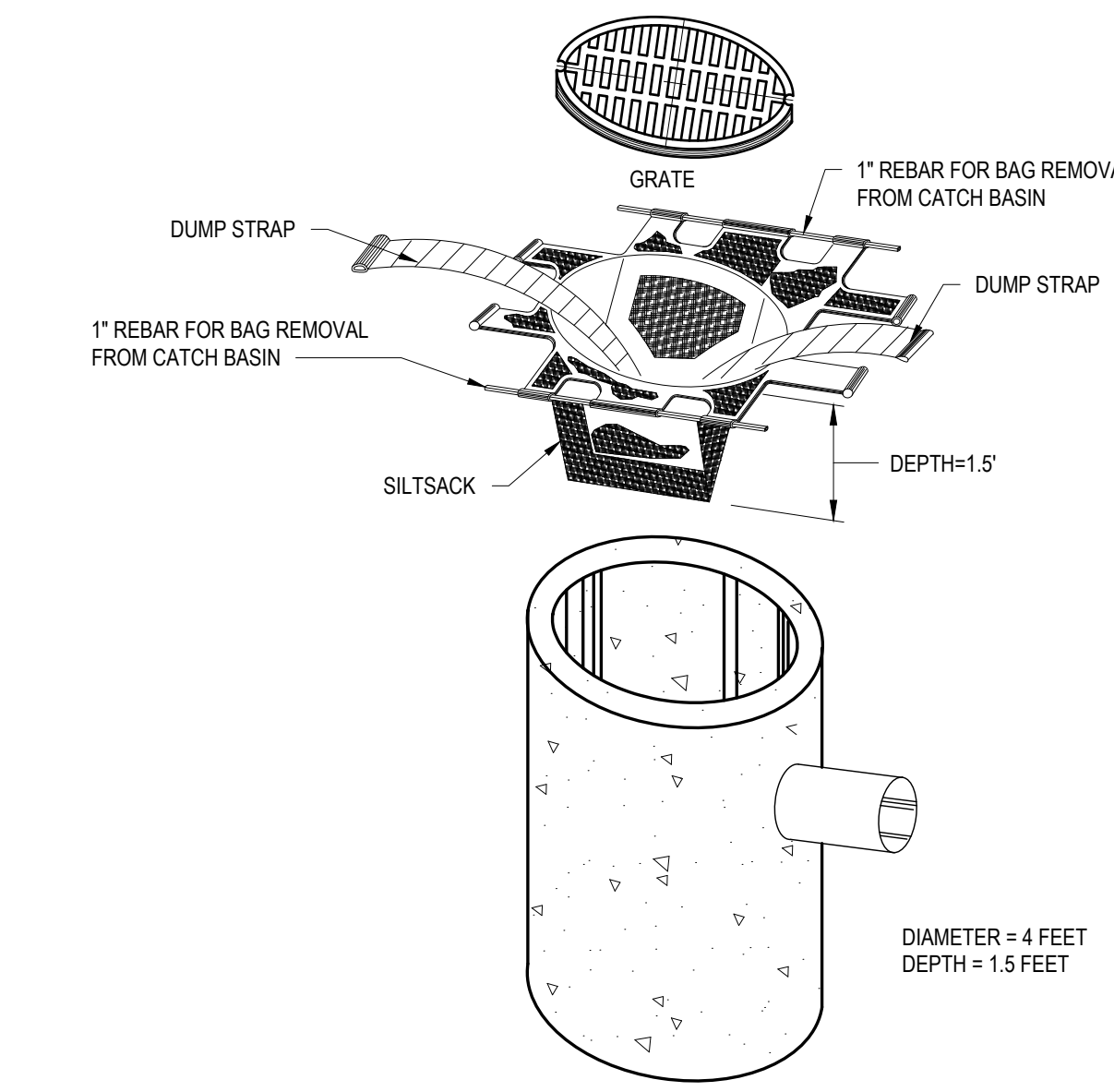
- A MINIMUM OF 4" OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH AND NATURAL APPEARANCE. OR STONE WILL BE PLACED ON SLOPES TO STABILIZE SURFACES.
- IF FINAL GRADING IS REACHED DURING THE NORMAL GROWING SEASON (4/15 TO 9/15), PERMANENT SEEDING WILL BE DONE AS SPECIFIED BELOW. PRIOR TO SEEDING, LIMESTONE SHALL BE APPLIED AT A RATE OF 138 LBS/1000 SQ. FT. AND 10:20:20 FERTILIZER AT A RATE OF 18.4 LBS/1000 SQ.FT WILL BE APPLIED. BROADCAST SEEDING AT THE FOLLOWING RATES:

LAWNS	SWALES
KENTUCKY BLUEGRASS 0.46 LBS/1000 SF.	RED TOP 0.05 LBS/1000 SF.
CREeping RED FESCUE 0.46 LBS/1000 SF.	TALL FESCUE 0.46 LBS/1000 SF.
PERENNIAL RYE GRASS 0.11 LB/1000 SF.	
- AN AREA SHALL BE MULCHED IMMEDIATELY AFTER IS HAS BEEN SEEDED. MULCHING SHALL CONSIST OF HAY MULCH, HYDRO-MULCH, JUTE NET OVER MULCH, PRE-MANUFACTURED EROSION MATS OR ANY SUITABLE SUBSTITUTE DEEMED ACCEPTABLE BY THE DESIGNER.
 - HAY MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. HAY MULCH SHALL BE SECURED BY EITHER: (NOTE: SOIL SHALL NOT BE VISIBLE)
 - BEING DRIVEN OVER BY TRACKED CONSTRUCTION EQUIPMENT ON GRADES OF 5% AND LESS.
 - BLANKETED BY TACKED PHOTODEGRADABLE/BIODEGRADABLE NETTING, OR WITH SPRAY, ON GRADES GREATER THAN 5%.
 - SEE NOTE 6, GENERAL NOTES, AND NOTE 8, WINTER CONSTRUCTION.
 - HYDRO-MULCH SHALL CONSIST OF A MIXTURE OF EITHER ASPHALT, WOOD FIBER OR PAPER FIBER AND WATER SPRAYED OVER A SEEDED AREA. HYDRO-MULCH SHALL NOT BE USED BETWEEN 9/15 AND 4/15.
- CONSTRUCTION SHALL BE PLANNED TO ELIMINATE THE NEED FOR SEEDING BETWEEN SEPTEMBER 15 AND APRIL 15. SHOULD SEEDING BE NECESSARY BETWEEN SEPTEMBER 15 AND APRIL 15 THE FOLLOWING PROCEDURE SHALL BE FOLLOWED. ALSO REFER TO NOTE 9 OF WINTER CONSTRUCTION.
 - ONLY UNFROZEN LOAM SHALL BE USED.
 - LOAMING, SEEDING AND MULCHING WILL NOT BE DONE OVER SNOW OR ICE COVER. IF SNOW EXISTS, IT MUST BE REMOVED PRIOR TO PLACEMENT OF SEED.
 - WHERE PERMANENT SEEDING IS NECESSARY, ANNUAL WINTER RYE (1.2 LBS/1000 SQ.FT) SHALL BE ADDED TO THE PREVIOUSLY NOTED AREAS.
 - WHERE TEMPORARY SEEDING IS REQUIRED, ANNUAL WINTER RYE (2.6 LBS/1000 SQ. FT.) SHALL BE SOWN INSTEAD OF THE PREVIOUSLY NOTED SEEDING RATE.
 - FERTILIZING, SEEDING AND MULCHING SHALL BE APPLIED TO LOAM THE DAY THE LOAM IS SPREAD BY MACHINERY.
 - ALTERNATIVE HAY MULCH SHALL BE SECURED WITH PHOTODEGRADABLE/BIODEGRADABLE NETTING. TRACKING BY MACHINERY ALONE WILL NOT SUFFICE.
- FOLLOWING FINAL SEEDING, THE SITE WILL BE INSPECTED EVERY 30 DAYS UNTIL 85% COVER HAS BEEN ESTABLISHED. RESEEDING WILL BE CARRIED OUT BY THE CONTRACTOR WITHIN 10 DAYS OF NOTIFICATION BY THE ENGINEER THAT THE EXISTING CATCH IS INADEQUATE.

MONITORING SCHEDULE

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MONITORING, MAINTAINING, REPAIRING, REPLACING AND REMOVING ALL OF THE EROSION AND SEDIMENTATION CONTROLS OR APPOINTING A QUALIFIED SUBCONTRACTOR TO DO SO. MAINTENANCE MEASURES WILL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, A VISUAL INSPECTION WILL BE MADE OF ALL EROSION AND SEDIMENTATION CONTROLS AS FOLLOWS:

- HAY BALE BARRIERS, SILT FENCE, AND STONE CHECK DAMS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK OR IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL. SEDIMENT TRAPPED BEHIND THESE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REDISTRIBUTED TO AREAS UNDERGOING FINAL GRADING. SHOULD THE HAY BALE BARRIERS PROVE TO BE INEFFECTIVE, THE CONTRACTOR SHALL INSTALL SILT FENCE BEHIND THE HAY BALES.
- VISUALLY INSPECT RIPRAP ONCE A WEEK OR AFTER EACH SIGNIFICANT RAINFALL AND REPAIR AS NEEDED. REMOVE SEDIMENT TRAPPED BEHIND THESE DEVICES ONCE IT ATTAINS A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE DAM OR RISER. DISTRIBUTE REMOVED SEDIMENT OFF-SITE OR TO AN AREA UNDERGOING FINAL GRADING.
- REVEGETATION OF DISTURBED AREAS WITHIN 25' OF DRAINAGE COURSE/STREAM WILL BE SEEDED WITH THE "MEADOW AREA MIX" AND INSPECTED ON A WEEKLY BASIS OR AFTER EACH SIGNIFICANT RAINFALL AND RESEEDED AS NEEDED. EXPOSED AREAS WILL BE RESEEDED AS NEEDED UNTIL THE AREA HAS OBTAINED 100% GROWTH RATE. PROVIDE PERMANENT RIPRAP FOR SLOPES IN EXCESS OF 3:1 AND WITHIN 25' OF DRAINAGE COURSE.



- "SILTSACK" INSTALLATION INSTRUCTION**
- REMOVE THE CATCH BASIN GRATE AND PLACE THE SACK INTO THE OPENING. HOLD OUT APPROXIMATELY SIX (6) INCHES OF THE SACK BEYOND THE BASIN FRAME TO ALLOW ACCESS TO THE "SILTSACK" LIFTING STRAPS. REPLACING THE GRATE BACK INSIDE OF ITS FRAME WILL HOLD THE SACK IN PLACE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING AND MAINTAINING THIS SEDIMENT CONTROL DEVICE. THE SACK IS CONSIDERED FULL AND READY TO EMPTY WHEN THE "RESTRAINT CORD" IS NO LONGER VISIBLE.
 - THE "SILTSACK" IS REMOVED BY PLACING TWO (2) PIECES IF 1 INCH DIAMETER REBAR THROUGH THE LIFTING LOOPS LOCATED ON EACH SIDE OF THE SACK AND LIFTING WITH AN APPROPRIATE PIECE OF CONSTRUCTION EQUIPMENT. THE LIFTING STRAPS ARE CONNECTED TO THE BOTTOM OF THE SACK AND THE LIFTING ACTION WILL CAUSE THE SACK TO TURN INSIDE OUT, AND EMPTYING THE CONTENTS. THE SACK SHOULD THEN BE CLEANED, RINSED AND RETURNED TO ITS ORIGINAL SHAPE AND PLACED BACK IN THE BASIN.
 - THE "SILTSACK" IS REUSABLE. THEREFORE, ONCE THE CONSTRUCTION CYCLE IS COMPLETE, REMOVE THE SACK FROM THE BASIN, CLEAN AND STORE OUT OF DIRECT SUNLIGHT UNTIL ITS NEXT USE.
 - THE "SILTSACK" SEDIMENT CONTROL DEVICE IS MANUFACTURED BY: ACF ENVIRONMENTAL

EROSION CONTROL DURING WINTER CONSTRUCTION

- WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
- WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- EXPOSED AREA SHALL BE LIMITED TO THOSE AREAS TO BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT. AT THE END OF EACH WORK WEEK NO AREAS MAY BE LEFT UNSTABILIZED OVER THE WEEKEND.
- CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.
- AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 150 LB. PER 1000 S.F. (WITH OR WITHOUT SEEDING) OR DORMANT SEEDED, MULCHED AND ANCHORED SUCH THAT SOIL SURFACE IS NOT VISIBLE THROUGH THE MULCH. NOTE: AN AREA IS ALSO CONSIDERED STABLE IF SODDED, COVERED WITH GRAVEL (PARKING LOTS) OR STRUCTURAL SAND.
- BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1 AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW, DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF BALES OF HAY, SILT FENCE OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS SHOWN ON THE DESIGN DRAWINGS. NOTE: DORMANT SEEDING SHOULD NOT BE ATTEMPTED UNLESS SOIL TEMPERATURE REMAINS BELOW 50 DEGREES AND DAY TIME TEMPERATURES REMAIN IN THE 30'S.
- MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%. VEGETATED DRAINAGE SWALES SHALL BE LINED WITH EXCELSIOR OR CURLEX.
- MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH SLOPES GREATER THAN 15%. AFTER OCTOBER 1 THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
- BETWEEN THE DATES OF OCTOBER 15 TO NOVEMBER 1, WINTER RYE IS RECOMMENDED FOR STABILIZATION. AFTER NOVEMBER 1, WINTER RYE IS NOT EFFECTIVE. AROUND NOVEMBER 15 OR LATER, ONCE TEMPERATURES OF THE AIR AND SOIL PERMIT, DORMANT SEEDING IS EFFECTIVE.
- IN THE EVENT OF SNOWFALL (FRESH OR CUMULATIVE) GREATER THAN 1 INCH DURING WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM THE AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.

SITE INSPECTION AND MAINTENANCE

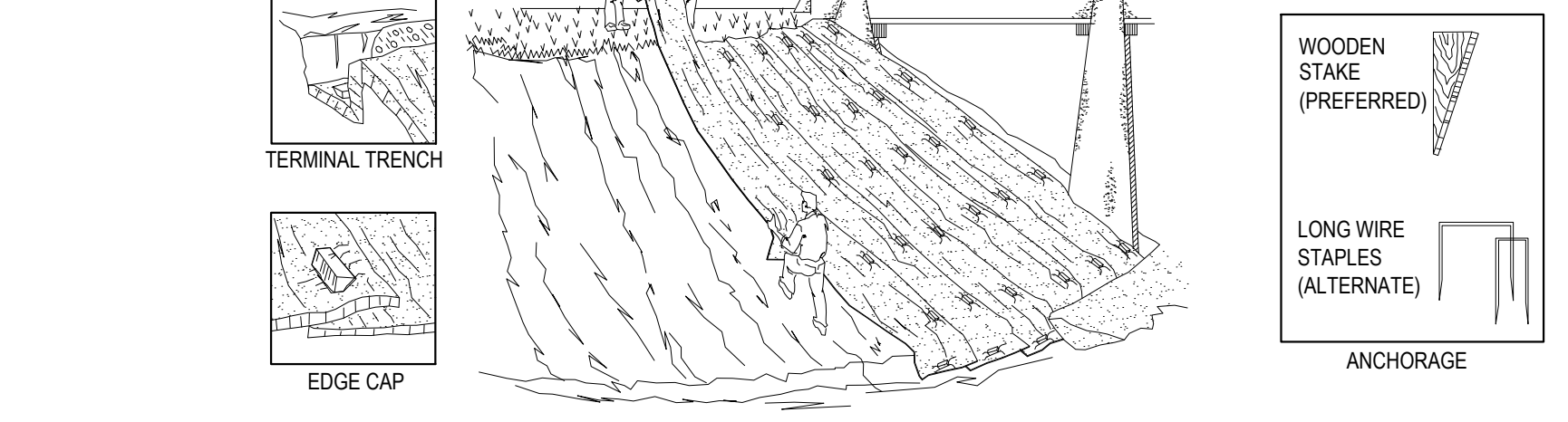
1. WEEKLY INSPECTIONS, AS WELL AS ROUTINE INSPECTIONS FOLLOWING RAIN FALLS, SHALL BE CONDUCTED BY THE GENERAL CONTRACTOR OF ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES UNTIL FINAL ACCEPTANCE OF THE PROJECT (85% GRASS CATCH). NECESSARY REPAIRS SHALL BE MADE TO CORRECT UNDERMINING OR DETERIORATION. FINAL ACCEPTANCE SHALL INCLUDE A SITE INSPECTION TO VERIFY THE STABILITY OF ALL DISTURBED AREAS AND SLOPES. UNTIL FINAL INSPECTION, ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL IMMEDIATELY BE CLEANED, AND REPAIRED BY THE GENERAL CONTRACTOR AS REQUIRED. DISPOSAL OF ALL TEMPORARY EROSION AND CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

IT IS RECOMMENDED THAT THE OWNER HIRE THE SERVICES OF THE DESIGN ENGINEER TO PROVIDE COMPLIANCE INSPECTIONS (DURING ACTIVE CONSTRUCTION) RELATIVE TO IMPLEMENTATION OF THE STORMWATER AND EROSION CONTROL PLANS. SUCH INSPECTIONS SHOULD BE LIMITED TO ONCE A WEEK OR AS NECESSARY AND BE REPORTABLE TO THE OWNER, TOWN AND DEP.

2. SHORT-TERM SEDIMENTATION MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAN OUT ALL SWALES AND STRUCTURES PRIOR TO TURNING PROJECT OVER TO THE CITY.

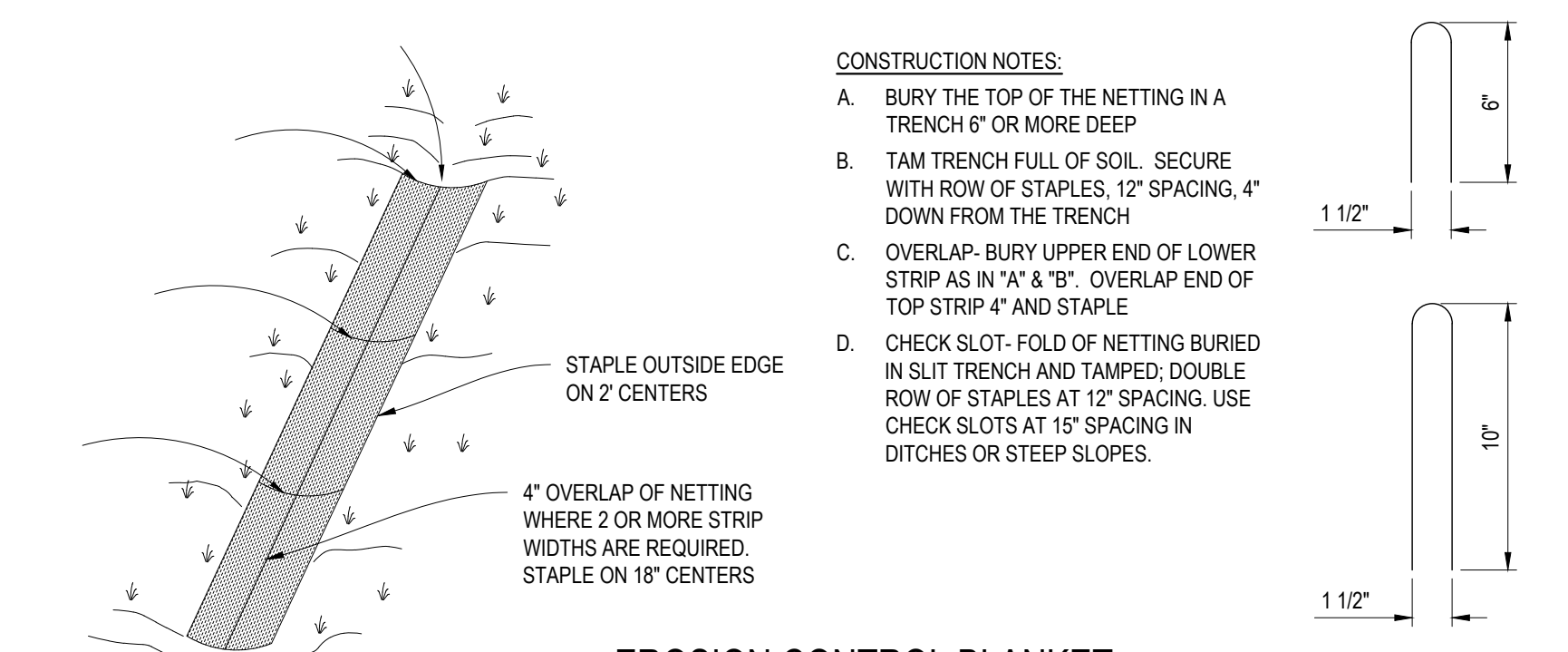
MAINTENANCE AFTER CONSTRUCTION

- LONG-TERM PROVISIONS FOR PERMANENT MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROL FACILITIES AFTER ACCEPTANCE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE OWNER OR THEIR DESIGNEE. SUCH RESPONSIBILITIES INCLUDE BUT ARE NOT LIMITED TO THOSE DETAILED AS FOLLOWS:
 - PARKING LOT SHALL BE MECHANICALLY SWEEPED TWICE PER YEAR. THE FIRST SALT TAKE PLACE IN THE MID WINTER (JANUARY THAW) TO REMOVE ACCUMULATED SANDS FROM WINTER SANDING TO THIS POINT. THE SECOND SWEEPING SHALL TAKE PLACE AFTER WINTER SANDING OPERATIONS TERMINATE BUT PRIOR TO MAY 1.
 - INSPECTION OF STORMWATER OUTLET STRUCTURE SHOULD BE CONDUCTED TWICE PER YEAR. ACCESS TO THE STRUCTURE IS THROUGH THE TOP. THE OIL/WATER SEPARATOR UNIT SHALL BE PUMPED DOWN AND THE SEDIMENT AND TRASH SHALL BE REMOVED AT THE TIME OF THE INSPECTION. THE REMOVAL OF ALL SEDIMENT AND TRASH WILL HELP MINIMIZE VOLUME LOSS.
- THE OWNER SHALL FILE A YEARLY MAINTENANCE REPORT TO THE CITY DOCUMENTING THE REQUIRED MAINTENANCE FOR THE STORMWATER SYSTEM.



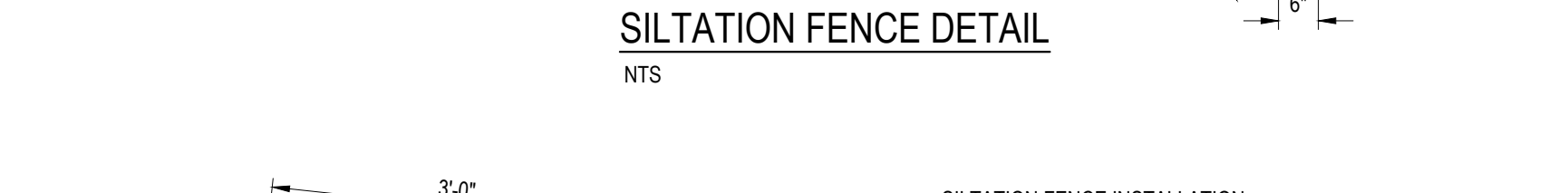
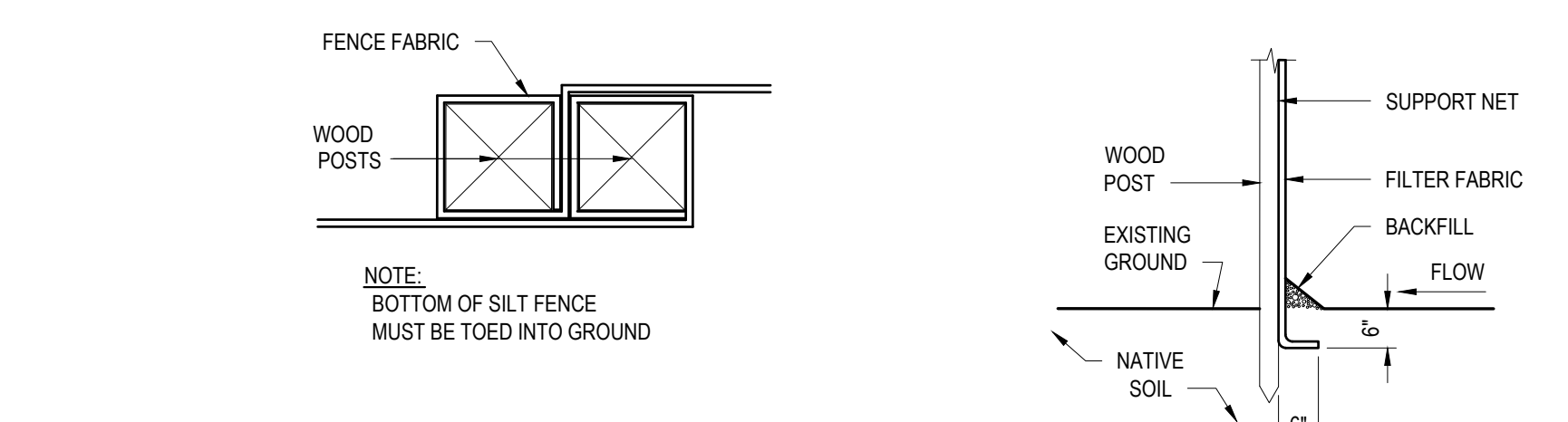
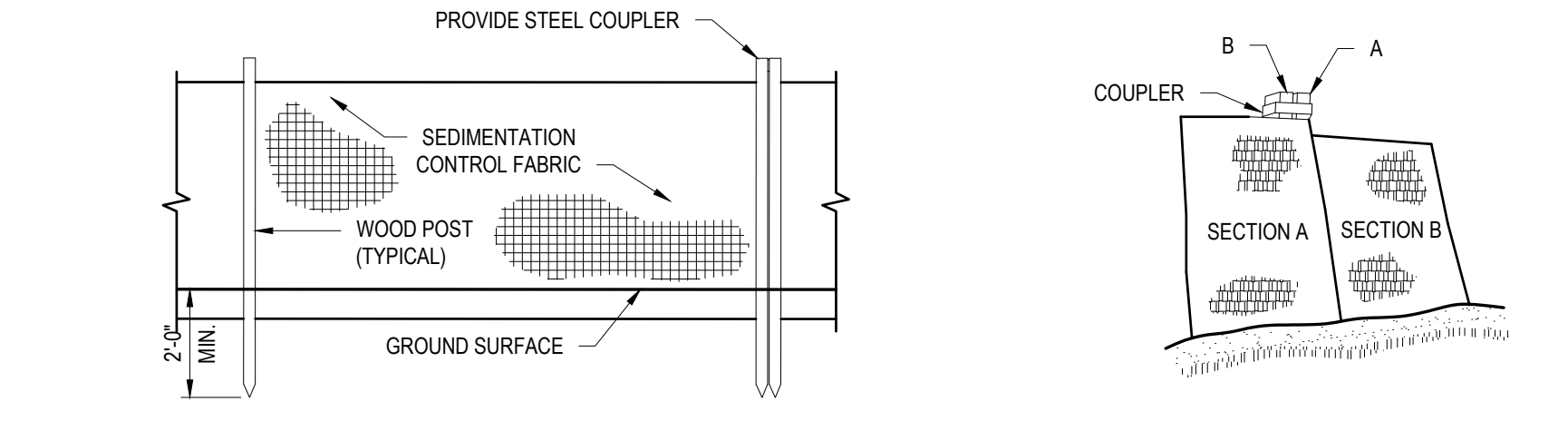
- UNROLL MAT ONTO GROUND IN DIRECTION OF WATER FLOW.
- MAT SHOULD LIE FLAT. DO NOT STRETCH MAT OVER GROUND. STRETCHING MAY CAUSE MAT TO BRIDGE DEPRESSIONS IN THE SURFACE AND ALLOW EROSION UNDERNEATH.
- BURY TRANSVERSE TERMINAL ENDS OF MAT TO SECURE AND PREVENT EROSION UNDERNEATH.
- SECURE MAT SNUGLY INTO ALL TRANSVERSE CHECK SLOTS.
- BACKFILL AND COMPACT TRENCHES AND CHECK SLOTS AFTER STAKING THE MAT IN BOTTOM OF TRENCH.
- OVERLAP ROLL ENDS BY THREE (3) FEET (MIN.) WITH UPSLOPE MAT ON TOP TO PREVENT UPLIFT OF MAT END BY WATER FLOW. IF INSTALLING IN THE DIRECTION OF A CONCENTRATED WATER FLOW, START NEW ROLLS IN A TRANSVERSE DITCH.
- OVERLAP ADJACENT EDGES OF MAT BY THREE (3) INCHES (MIN.) AND STAKE.
- WOOD STAKES ARE RECOMMENDED FOR PINNING MAT TO THE GROUND SURFACE. STAKES SHOULD BE 1" X 3" NOMINAL STOCK CUT IN A TRIANGULAR SHAPE. STAKES SHOULD BE 12" TO 18" LONG, DEPENDING ON SOIL DENSITY.
- DRIVE WOODEN STAKES TO WITHIN THREE (3) INCHES OF GROUND SURFACE. DO NOT DRIVE FLUSH TO SURFACE.
- IN ALL TRANSVERSE TRENCHES AND CHECK SLOTS, STAKE EACH MAT AT ITS CENTER AND OVERLAP EDGES BEFORE BACKFILLING AND COMPACTING.
- STAKE OVERLAPS LONGITUDINALLY AT THREE (3) TO FIVE (5) FOOT INTERVALS.
- FOLLOW COLORED DOT PATTERNS BY MANUFACTURER REQUIRED ON ALL SLOPES > 8% (WINTER CONSTRUCTION) REQUIRED ON ALL SLOPES > 15% (SUMMER CONSTRUCTION)

EROSION CONTROL BLANKET GENERAL INSTALLATION GUIDELINES ON SLOPES



EROSION CONTROL BLANKET REQUIRED IN ALL DITCHES > 3%

NOTE: GRADING PLAN GOVERNS IN ALL LOCATIONS



- SILTATION FENCE INSTALLATION**
- EXCAVATE A 6"x6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
 - UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
 - DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM. JOIN SECTION AS SHOWN ABOVE.
 - LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND PILING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPLISHED BY AN INTERCEPTION DITCH.
 - BARRIER SHALL BE MIRAFI SILT FENCE OR APPROVED EQUAL.
- EROSION CONTROL MIX DETAIL**
N.T.S.

STATE OF MAINE DOT
CREW QUARTERS
DIXFIELD, MAINE
WIN 030325.00

PREPARED FOR:

TRILLIUM ENGINEERING GROUP
189 MAIN STREET SUITE 200
YARMOUTH, ME 04096

ERIC DUBE
No. 12630
LICENSED PROFESSIONAL ENGINEER

DATE	OCT. 2025	ME-12630	PE NUMBER	OCT. 2025	DATE
BY					
ED					
FOR BID					

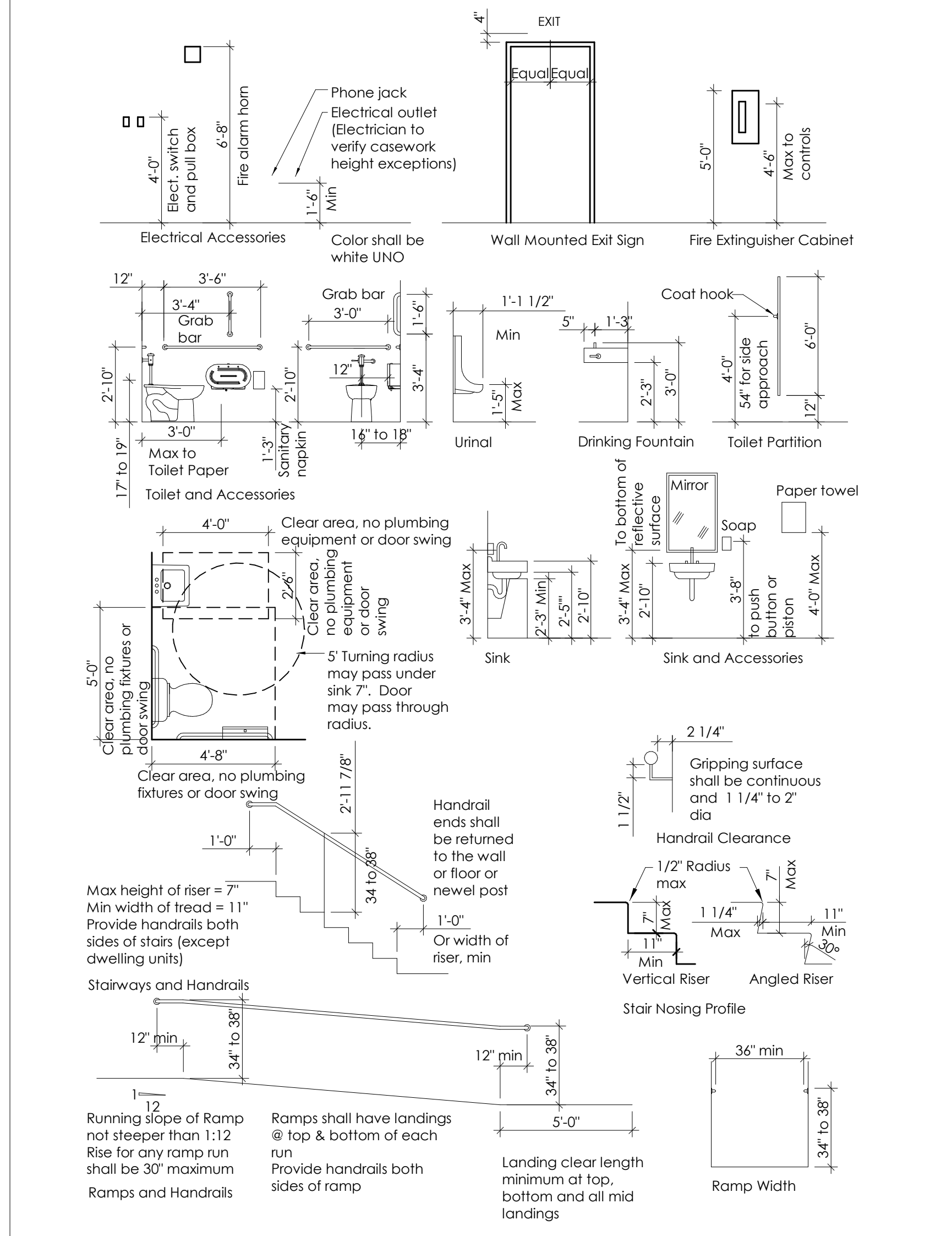
MDOT CREW QUARTERS
DIXFIELD, MAINE
EROSION CONTROL
DETAILS

SHEET NUMBER
5

General Notes

- All work included in these drawings and specifications shall conform to all state, national, and other codes and ordinances.
- The General Contractor shall be responsible for obtaining building permits and for payment of all fees and hook-ups. MDOT will obtain State Fire Marshal approval.
- The General Contractor shall obtain approval from the MDOT for staging areas and hours of allowable work times.
- Provide appropriate reinforcing within partitions for support of all grab bars, shelving, brackets, cabinets, door frames, water coolers, cubbies, fire extinguishers, lighting and other wall mounted equipment or appliances indicated in documents.
- General Contractor shall maintain a safe egress way throughout construction that is clearly identified.
- All doors shall be located a minimum of 4" (wall to frame) off adjoining stud walls, UNO.
- All handicapped toilet rooms, grab bars, and door openings shall meet the requirements of ANSI 117.1 latest edition, and the American Disability Act (ADA) for handicapped accessibility.
- All gypsum wall board within 3'-0" of plumbing fixtures shall be moisture resistant.
- Walls and partitions within 2'-0" of service sinks, urinals, and water closets shall have a smooth, hard, non-adsorbent surface, to a height of not less than 4'-0" above the finish floor (MR gypsum board is not acceptable as a finished product)
- Before penetrating or otherwise modifying joists, beams, or other structural members, consult with the Architect on maximum size and locations of penetrations.
- Provide double studs at all door frames over 3'-0" wide.
- All materials provided in this building shall be new and not previously used, UNO.
- All exits shall be kept readily accessible and unobstructed at all times.
- Location of every exit shall be clearly indicated by exit signs placed, if required, at an angle with the exit opening. Install directional signs to serve as guides from all portions of the corridor or floor.
- Dimensions are to face of framing, studs, structural grid lines and/or foundations UNO.
- Install Rockwool sound attenuation batt insulation in all bathroom partitions and above gypsum board ceilings.
- General Contractor shall properly dispose of all demolished and construction debris off-site, and shall make every effort to conserve and recycle materials.
- General Contractor shall install backing in walls for cabinetry, shelving, handrails, mirrors, and accessories.
- Provide a continuous bead sealant in all joints in the building envelope and penetrations that may allow for passage of moisture or vapor gas through structure.
- All signage to conform with ADA, including raised braille characters in public areas.
- Do not scale drawings, work from dimensions only
- General Contractor shall verify all dimensions and report any discrepancies to the Architect before proceeding with any work
- Guarantee: All materials and work shall be guaranteed for a minimum of one year from the date of final payment.

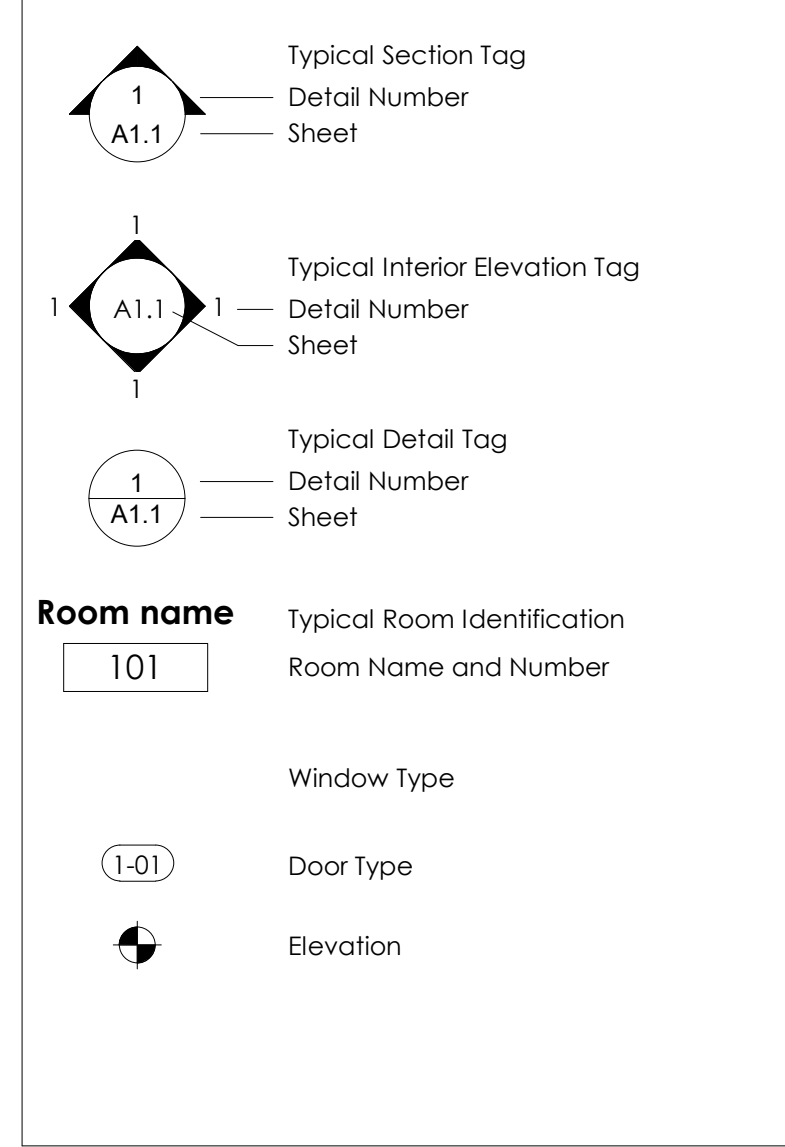
Standard Heights and Clearances / Typical Barrier Free Requirements



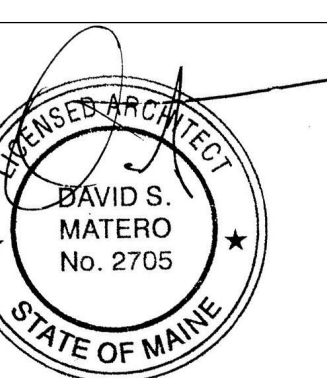
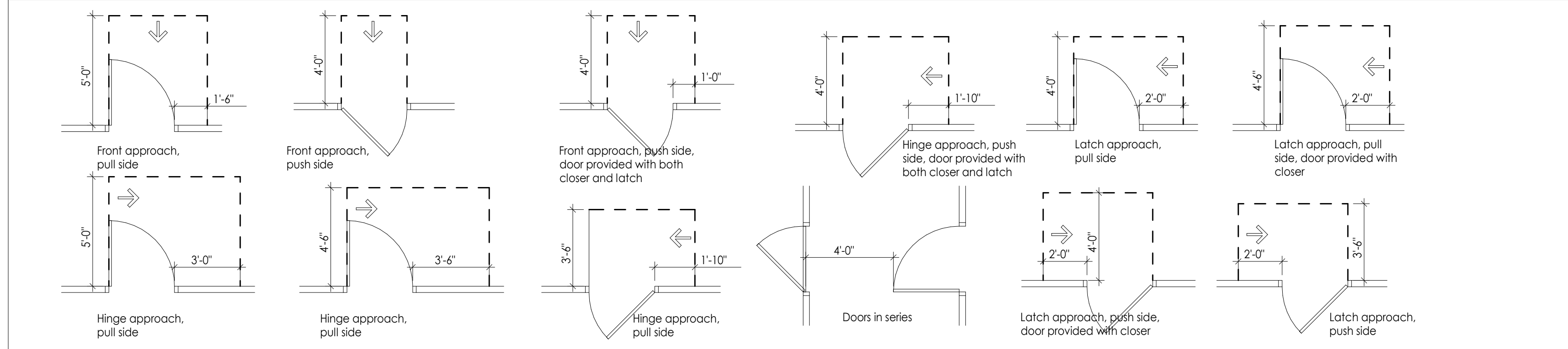
Abbreviations

Act	Acoustical Tile	Ga	Gauge	Prep	Preparation
AFF	Above Finished Floor	GC	General Contractor	PSF	Pounds per Square Foot
Alt	Alternate	GI	Glass	PSI	Pounds per Square Inch
Alum	Aluminum	GWB	Gypsum Wallboard	PT	Pressure Treated
AP	Access Panel	Gyp	Gypsum	QT	Quarry Tile
Arch	Architect				
BD	Board	HD	High Density	R	Radius, Riser
Bit	Bituminous	HR	Hour	RD	Roof Drain
Bldg	Building	HC	Hollow Core	Rec	Recreation
Bldg	Building	H. Hgt	Height	Rect	Rectangular
BO	Bottom Of	HM	Hollow Metal	Ref	Reference
Btw	Between	Hor	Horizontal	Req	Required
		Htg	Heating	Rein	Reinforcing
		HVAC	Heating/Ventilation/Air Conditioning	Rev	Revised, Revision
Cab	Cabinet	HW	Hot Water	Rm	Room
CB	Catch Basin	Hyd	Hydrant	RO	Rough Opening
CF	Cubic feet			RWB	Rubber Wall Base
CJ	Control Joint				
Clc	Closet	Incl	Include, Including	S	South
Clg	Ceiling	ID	Inside Diameter	San	Sanitary
CMU	Concrete Masonry Unit	In (")	Inch	SC	Solid Core
CO	Cleanout	Insul	Insulate, Insulating	SD	Storm Drain
Col	Column	Int	Interior	SF	Square Foot
Conc	Concrete	Inv	Invert	Sht	Sheet
Const	Construction	JC	Janitor's Closet	Sim	Similar
Cont	Continue, Continuous	Jt	Joint	Spec	Specification
Coord	Coordinate			STC	Sound Transmission Coefficient
CT	Ceramic Tile	Lam	Laminated	Std	Standard
CUH	Cabinet Unit Heater	Lav	Lavatory	Stl	Steel
CW	Cold Water	LCC	Lead Coated Copper	Sto	Storage
CY	Cubic Yard	LF	Linear Foot	Susp	Suspended
		Lin	Linear		
DAP	Dens Armor Plus	Max	Maximum	Tr	Tread
Dbl	Double	Mech	Mechanical	Tel	Telephone
DF	Drinking Fountain	Mfr	Manufacturer	Temp	Temperature, Tempered
Dia	Diameter	Misc	Miscellaneous	T&G	Tongue and Groove
Diag	Diagonal	MO	Masonry Opening	Th	Thickness
Dim	Dimension	MR	Moisture Resistant	TO	Top of
Dn	Down	Mtd	Mounted	TV	Television
Dwg	Drawing	Mtg	Mounting	Typ	Typical
		Mtl	Metal		
E	East	UL	Underwriters Laboratories	UNO	Unless Noted Otherwise
Ea	Each	N	North	Util	Utility
EF	Exhaust Fan	Nat	Natural		
EJ	Expansion Joint	NIC	Not in Contract	VCT	Vinyl Composition Tile
Elev	Elevation	No	Number	Vent	Ventilation
Elec	Electrical	NTS	Not to Scale	Vert	Vertical
Eq	Equal	OC	On Center	Vest	Vestibule
ETR	Existing to Remain	OD	Outside Diameter	VWB	Vinyl Wall Base
Exam	Examination	OH	Opposite Hand		
Ex, Exist	Existing	PI	Plate	W	West, Width
Exp	Expansion	Plam	Plastic Laminate	W/D	Washer / Dryer
Ext	Exterior	Plywd	Plywood	WC	Water Closet
		Pnt	Paint	Wd	Wood
FAP	Fire Alarm Pull	Poly	Polyethylene	W/O	Without
FBO	Furnished by Owner	Pre	Pre-finished	WWM	Welded Wire Mesh
FCO	Floor Clean Out			XPS	Extruded Polystyrene
FD	Floor drain				
Fdn	Foundation				
FEC	Fire Extinguisher Cabinet				
Fg	Fiberglass				
Fin	Finish				
FO	Face Of				
FRP	Fiberglass Reinforced Panel				
Flr	Floor				
Fl (")	Foot				
Flg	Footling				

Legend Symbol



Maneuvering Clearances at Manual Swinging Doors and Gates



DATE	OCT. 2025	2705	PE NUMBER	OCT. 2025	DATE
BY	DM				
For Bid					

CODE ANALYSIS

MDOT Crew Quarters
Dixfield, ME

APPLICABLE CODES
The building shall comply and / or conform with the following construction codes, standards and guidelines which includes the Maine Uniform Building and Energy Code
International Building Code (IBC) - 2021 Edition International Existing Building Code (IIBC) - 2021 Edition International Energy Conservation Code (IECC) - 2021 Edition ASHRAE 62.1 Ventilation for Acceptable Indoor Air Quality - 2016 Edition ASHRAE 90.1 Energy Standards for Buildings except Low-Rise Residential - 2016 Edition NFPA 101 Life Safety Code - 2018 Edition Uniform Plumbing Code (UPC) - 2015 Edition ADA Standards for Accessible Design, Dept of Justice - 2010 Edition

USE AND OCCUPANCY CLASSIFICATION	PROJECT REQUIREMENTS	CODE REFERENCE
USE CLASSIFICATION:	B: Business [Assembly space with less than 50 Occupants]	IBC Sect 304, LSC Chpt 3 IBC Sect 303.1.2

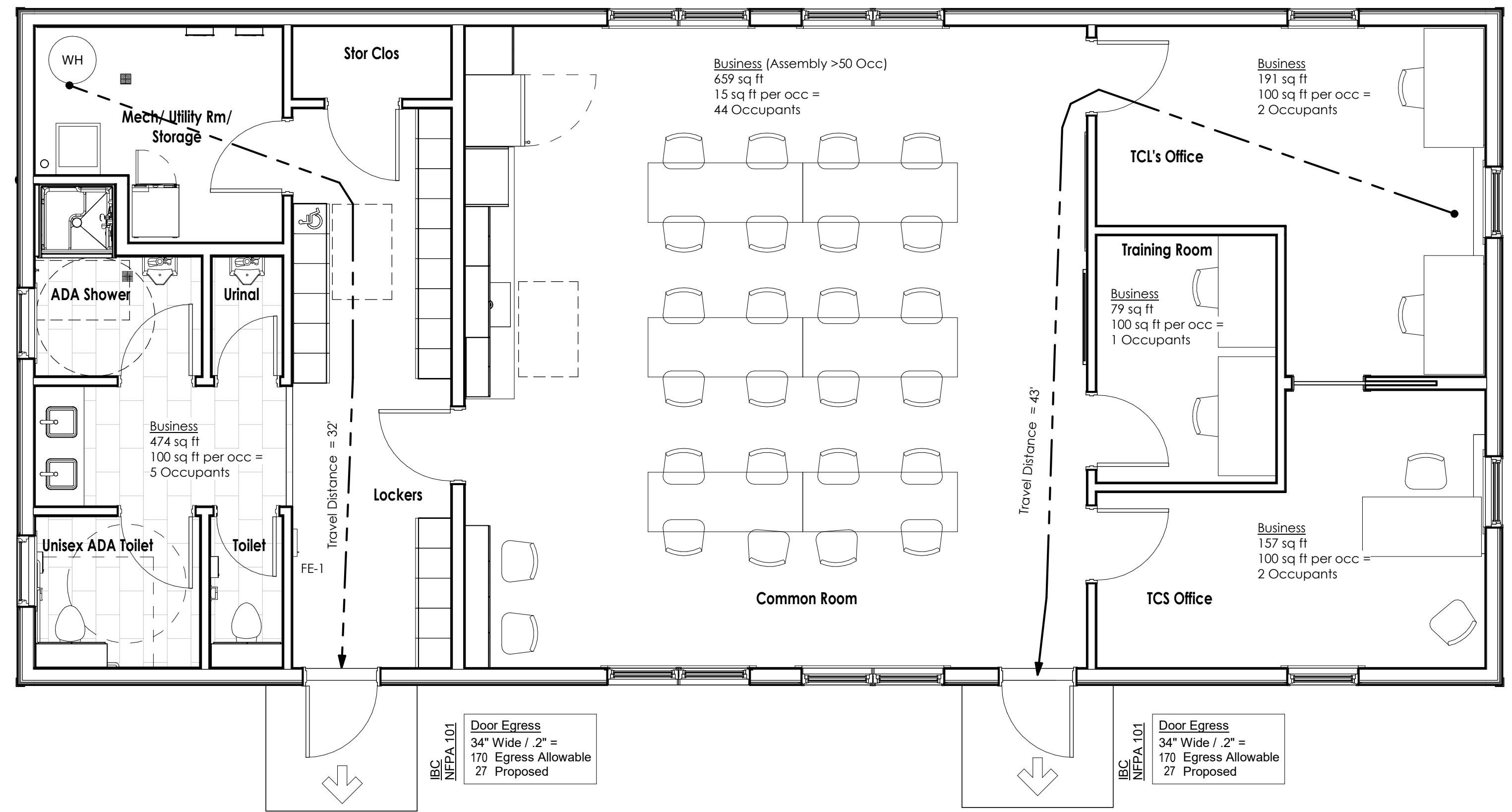
CONSTRUCTION TYPE / FIRE BARRIER RATINGS	PROJECT REQUIREMENTS	CODE REFERENCE
CONSTRUCTION CLASSIFICATION:	Type VB	IBC Table 504.4
Required Separation - Most restrictive, NFPA 101, requirements used	N/A	IBC Table 508.4, LSC Chpt 6
Fire Resistance Rating Requirements		IBC Table 601 Reference IBC Section 202
Primary Structural Frame	0 Hour	
Exterior Bearing Walls	0 Hour	
Interior Bearing Walls	0 Hour	
Exterior Non-Bearing Walls	0 Hour	
Interior Non-Bearing Walls	0 Hour	
Floor Construction - including supporting beams and joists	0 Hour	
Roof Construction - including supporting beams and joists	0 Hour	
Fire Barriers: Corridors	0 Hour	Reference Table 1020.1
Fire Barriers: Exit Enclosures	0 Hour	Reference Table 707.3
Fire Barriers: Shafts	0 Hour	IBC Section 713
Elements requiring supporting construction to be rated, shall have supporting construction rated equal to element being supported		

BUILDING HEIGHT AND AREA	PROJECT REQUIREMENTS	CODE REFERENCE
Allowable Building Height Above Grade:	40 Feet	IBC Table 504.3
Allowable No. of Stories Above Grade:	2 Stories	IBC Table 504.4
Actual Height / Stories:	16'-11" +/- / 1 Stories	
Allowable Building Area: Construction Type(s) = square feet	Type VB [NS] = 9,000 sf	
Actual Building Square Feet (sf)	1,646 +/- sf	

INTERIOR FINISHES	PROJECT REQUIREMENTS	CODE REFERENCE
Minimum Finish Class	B	IBC Table 803.11
Exits:	Class A	LCS Chpt 10
Corridors:	Class B	
Rooms:	Class C	

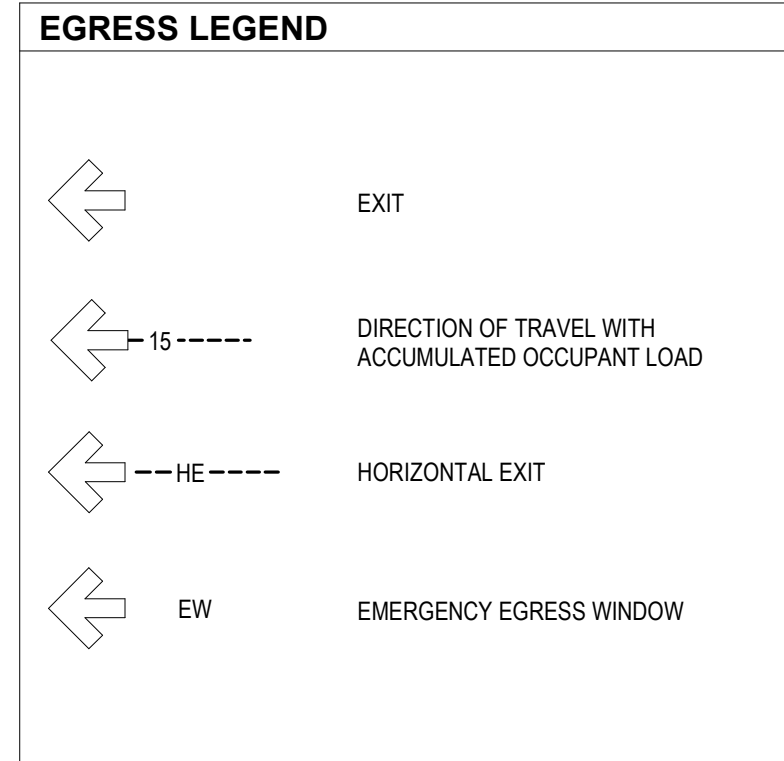
MEANS OF EGRESS	PROJECT REQUIREMENTS
Refer to Life Safety Plans; Number, Location and Capacity of Exits and Travel Distances	
Common Path of Travel Distance: Business: (B)	Reference Life Safety Plans 100 Feet - [Without Sprinkler] LCS Table A.7.6
Maximum Exit Access Travel Distance: Business (B)	Reference Life Safety Plans 200 Feet - [Without Sprinkler]
Stories with One Exit - B Occupancies	IBC Table 1006.3.2
Egress width - Inches per occupant	NFPA 101, CH. 7, TABLE 7.3.3.1 & IBC Section 1005
Doors:	0.2 [S]
Stairs:	0.3 [S]
Corridors:	0.2 [S]
Other Egress Components:	0.2 [S]

IECC Commercial Energy Efficiency	
Required	Provided
Climate Zone	6
Attic & Other R value - R-49	R-50
Wood Framed Exterior Wall - R20+R3.8ci	R-21+R6ci
Mass Wall Above Grade - R13.3ci	R-20
Below Grade Wall (non-heated slab) - R-10ci	R-20
Unheated slabs - R-20 for 24" below	R-20
Fixed Fenestration - U 0.34	N/A
Operable Fenestration - U 0.42	U 0.20 (Double Hung) U.18 (Awning)
Entrance Door - U.63	U 0.34



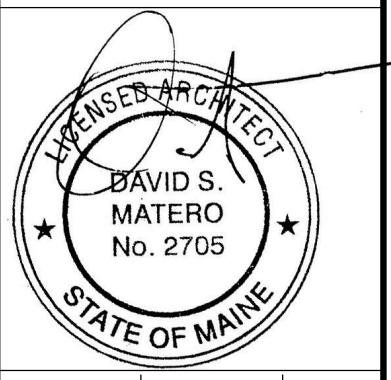
1 First Floor Egress Plan
1/4" = 1'-0"

Note: See electrical drawings for Life Safety electrical devices



STATE OF MAINE DOT
CREW QUARTERS DIXFIELD, MAINE
DIXFIELD, MAINE
WIN 030325.00

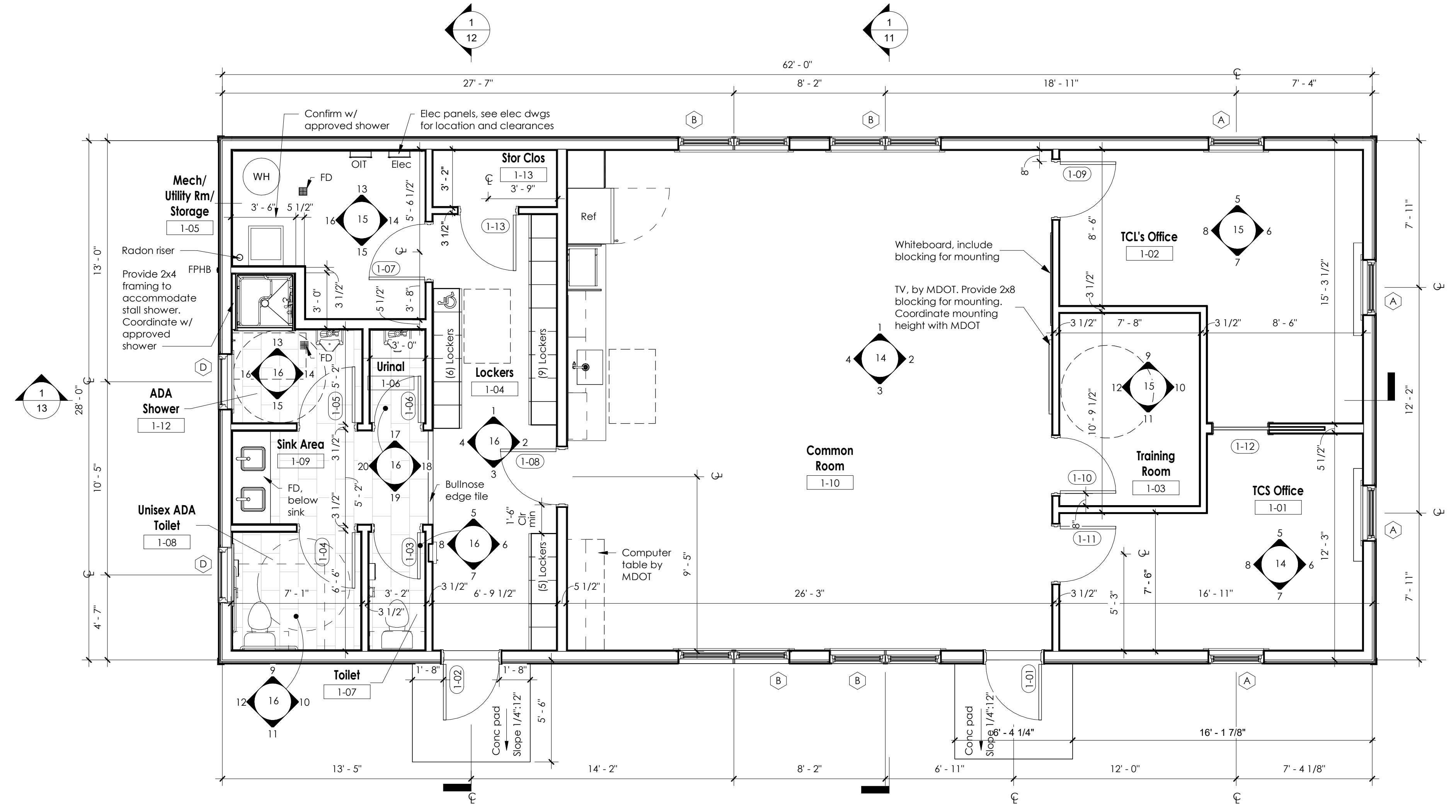
DAVID MATERO
Architecture
49 Centre Street
Bath, ME 04530
207.389.4278
info@davidmatero.com



DATE	OCT. 2025
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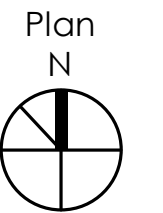
CREW QUARTERS
DIXFIELD, MAINE
CODE ANALYSIS

SHEET NUMBER
7



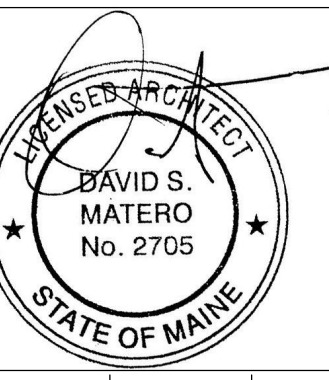
1 First Floor Plan
1/4" = 1'-0"

Finish Schedule										
Room #	Name	Floor		Wall		Rm Height	Ceiling Ceiling Type	Millwork		Comments
		Finish	Baseboard	Wall	Finish			Cabinetry/ Shelving	Countertops	
1-01	TCS Office	Polished Conc	Vinyl	Gyp BD	Pnt	8'-4 1/2"	Gyp Bd			
1-02	TCL's Office	Polished Conc	Vinyl	Gyp BD	Pnt	8'-4 1/2"	Gyp Bd			
1-03	Training Room	Polished Conc	Vinyl	Gyp BD	Pnt	8'-4 1/2"	Gyp Bd			
1-04	Lockers	Polished Conc	Vinyl	Gyp BD	Pnt	8'-4 1/2"	Gyp Bd			
1-05	Mech/ Utility Rm/ Storage	Polished Conc	Vinyl	Gyp BD	Pnt	8'-4 1/2"	Gyp Bd			
1-06	Urinal	Ceramic Tile	Ceramic Tile	Gyp BD	Pnt/FRP	8'-4 1/2"	Gyp Bd			See interior elev's for finish locations
1-07	Toilet	Ceramic Tile	Ceramic Tile	Gyp BD	Pnt/FRP	8'-4 1/2"	Gyp Bd			See interior elev's for finish locations
1-08	Unisex ADA Toilet	Ceramic Tile	Ceramic Tile	Gyp BD	Pnt/FRP	8'-4 1/2"	Gyp Bd			See interior elev's for finish locations
1-09	Sink Area	Ceramic Tile	Ceramic Tile	Gyp BD	Pnt/FRP	8'-4 1/2"	Gyp Bd	See interior elev's	ONE Quartz by Dal Tile, Color = Brushed Flannel NQ60	See interior elev's for finish locations
1-10	Common Room	Polished Conc	Vinyl	Gyp BD	Pnt	8'-4 1/2"	Gyp Bd	See interior elev's	ONE Quartz by Dal Tile, Color = Brushed Flannel NQ60	See interior elev's for finish locations
1-12	ADA Shower	Ceramic Tile	Ceramic Tile	Gyp BD	Pnt/FRP	8'-4 1/2"	Gyp Bd			See interior elev's for finish locations
1-13	Stor Clos	Polished Conc	Vinyl	Gyp BD	Pnt	8'-4 1/2"	Gyp Bd			
1-14	Attic / Mech Equip	Plywood	N/A	N/A	N/A		N/A			



STATE OF MAINE DOT
CREW QUARTERS DIXFIELD, MAINE
DIXFIELD, MAINE
WIN 030325.00

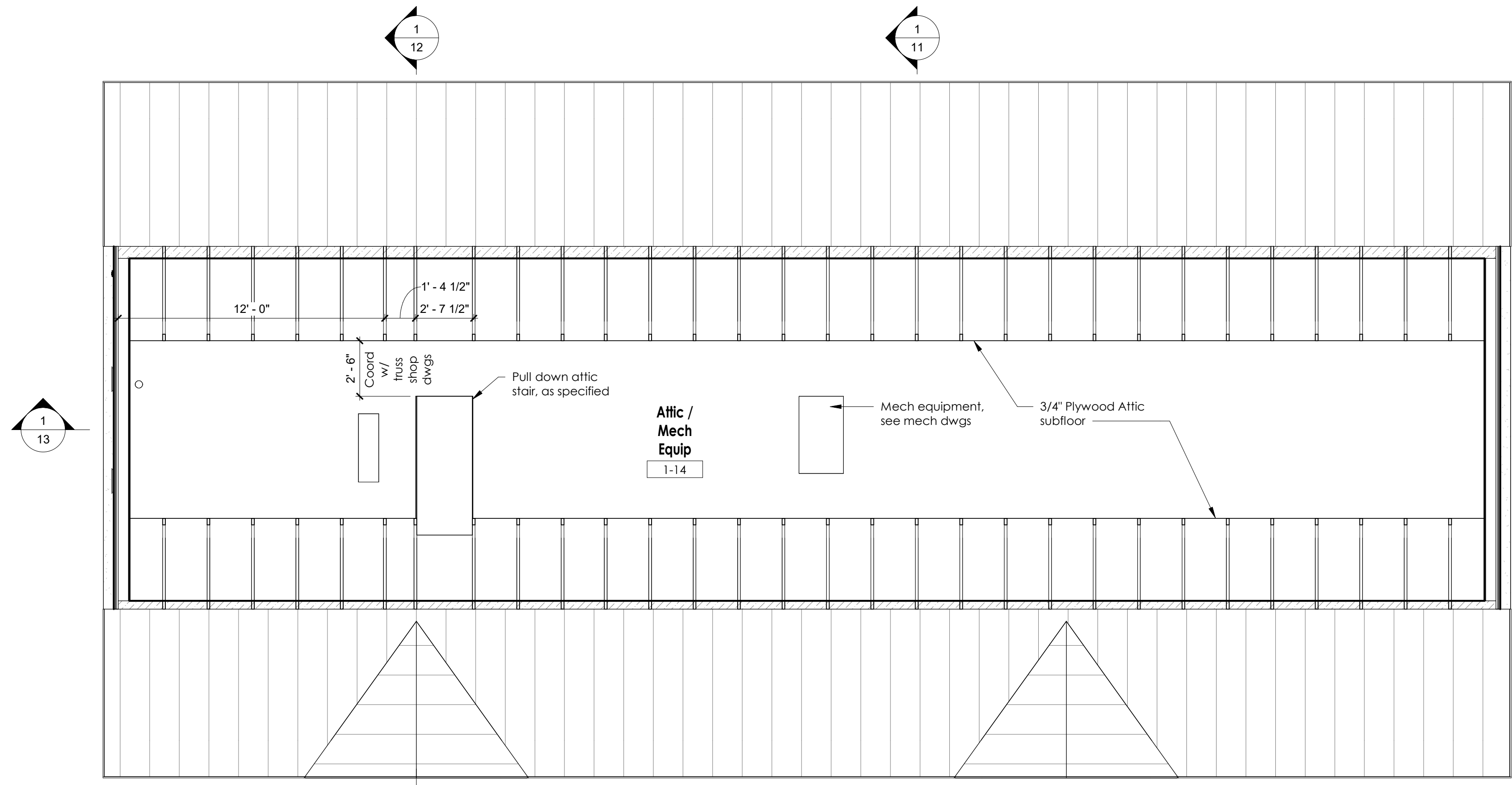
David Matero
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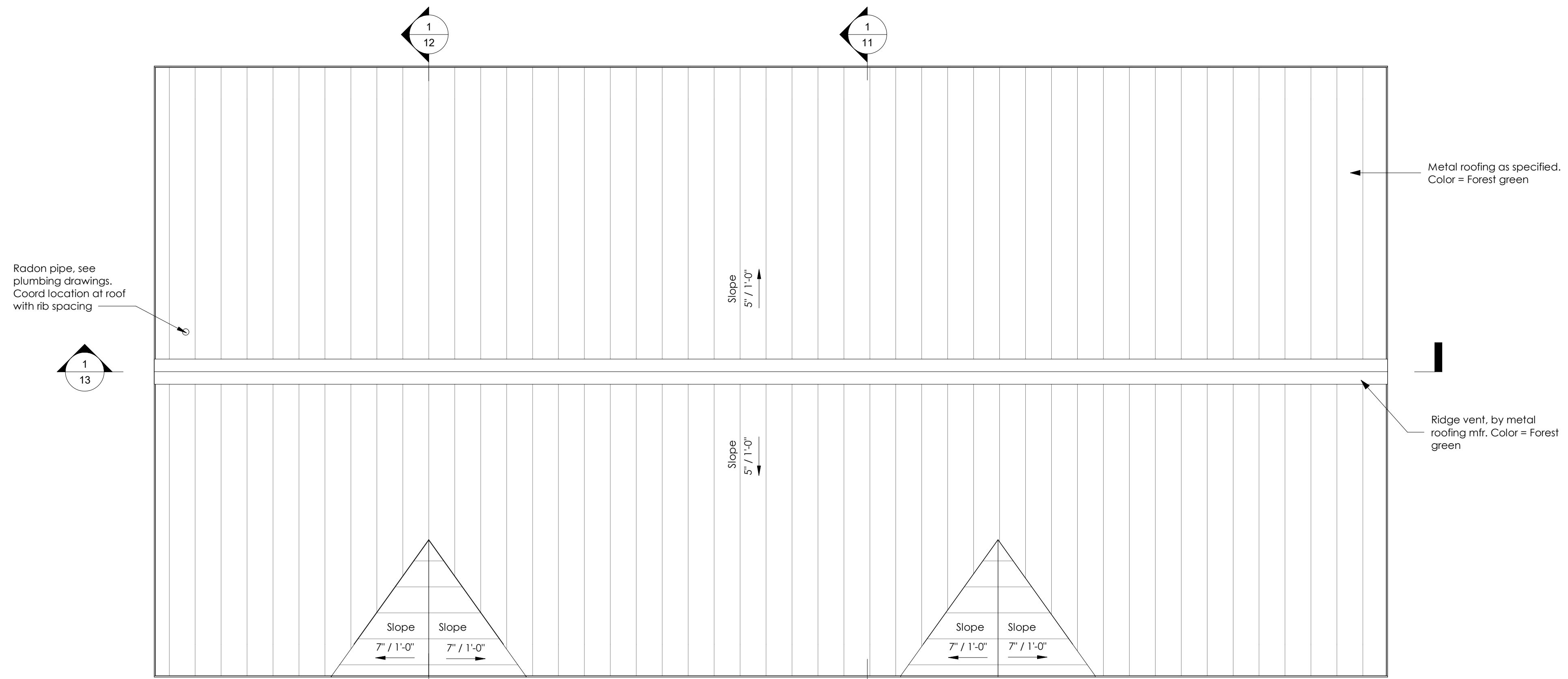
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CREW QUARTERS
DIXFIELD, MAINE
FLOOR PLAN & ROOM
FINISH SCHEDULE

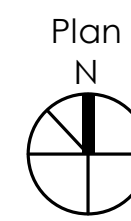
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② Attic
1/4" = 1'-0"



① Roof Plan
1/4" = 1'-0"

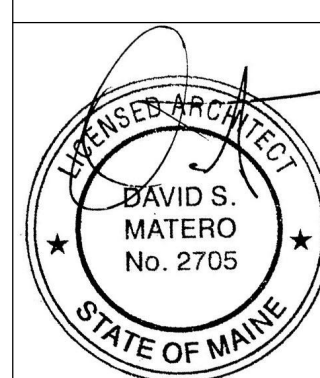


PREPARED FOR:

STATE OF MAINE DOT
CREW QUARTERS DIXFIELD, MAINE
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David Matero
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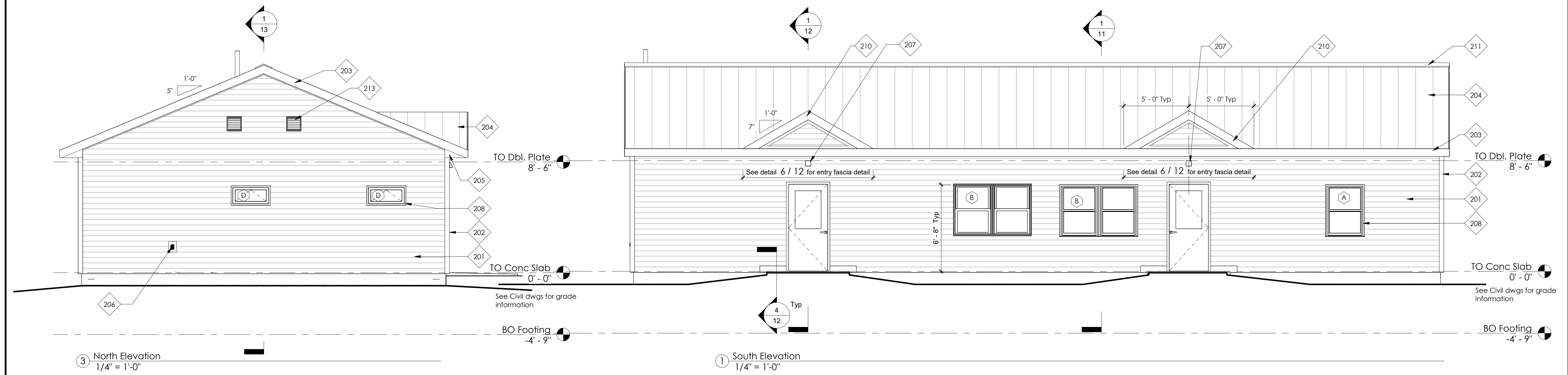
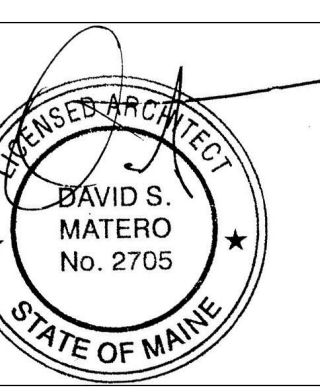
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CREW QUARTERS
DIXFIELD, MAINE
ATTIC & ROOF PLAN

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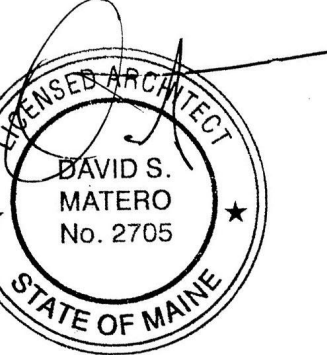
9



Exterior Elevation Key Notes	
201	Exterior horizontal vinyl siding
202	Vinyl siding corner trim
203	Metal wrapped exterior fascia board, see details. Color = Forest green
204	Metal roofing as specified. Color = Forest green

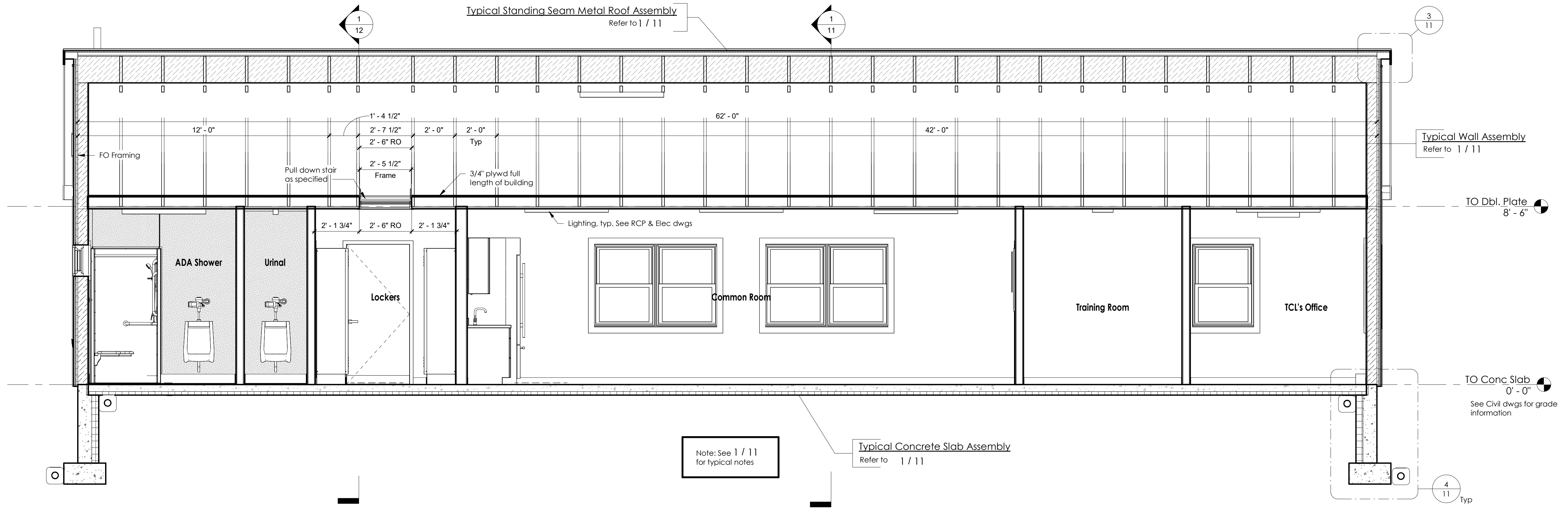
Exterior Elevation Key Notes	
205	Metal wrapped wd closure panel @ soffit, typ. Color = Forest green
206	Frost protected hose bib
207	Light fixture, see electrical drawings
208	Vinyl window, as specified

Exterior Elevation Key Notes	
210	Metal wrapped exterior trim, see details. Color = Forest green
211	Ridge vent, by metal roofing mfr. Color = Forest green
212	Venting vinyl soffit
213	Louver, see mechanical dwgs. Coord location with mechanical requirements.

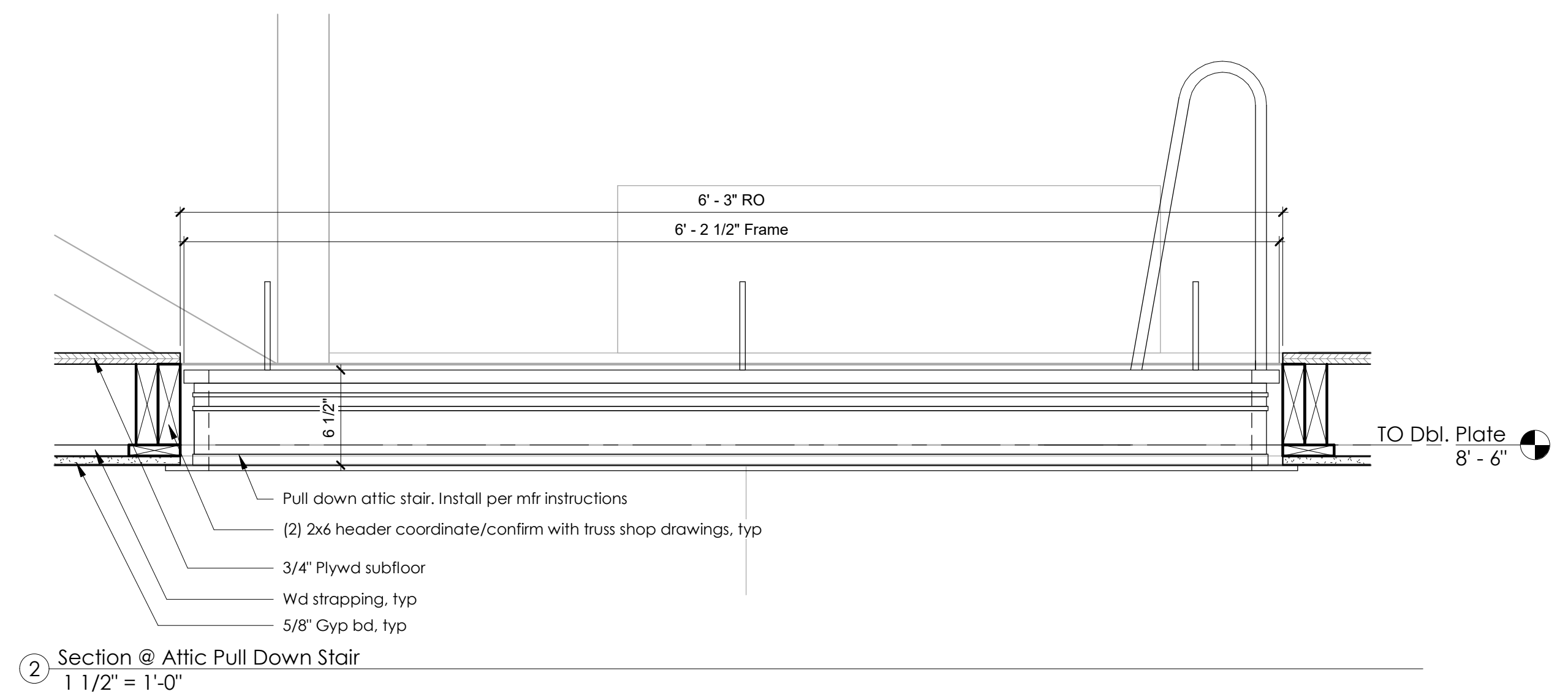


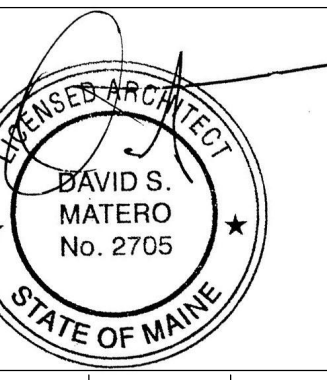
DATE	OCT. 2025	2705	OCT. 2025
BY	DM	PE NUMBER	DATE
For Bid			

CREW QUARTERS
DIXFIELD, MAINE
BUILDING SECTION 3 &
DETAILS



① Longitudinal Section
3/8" = 1'-0"

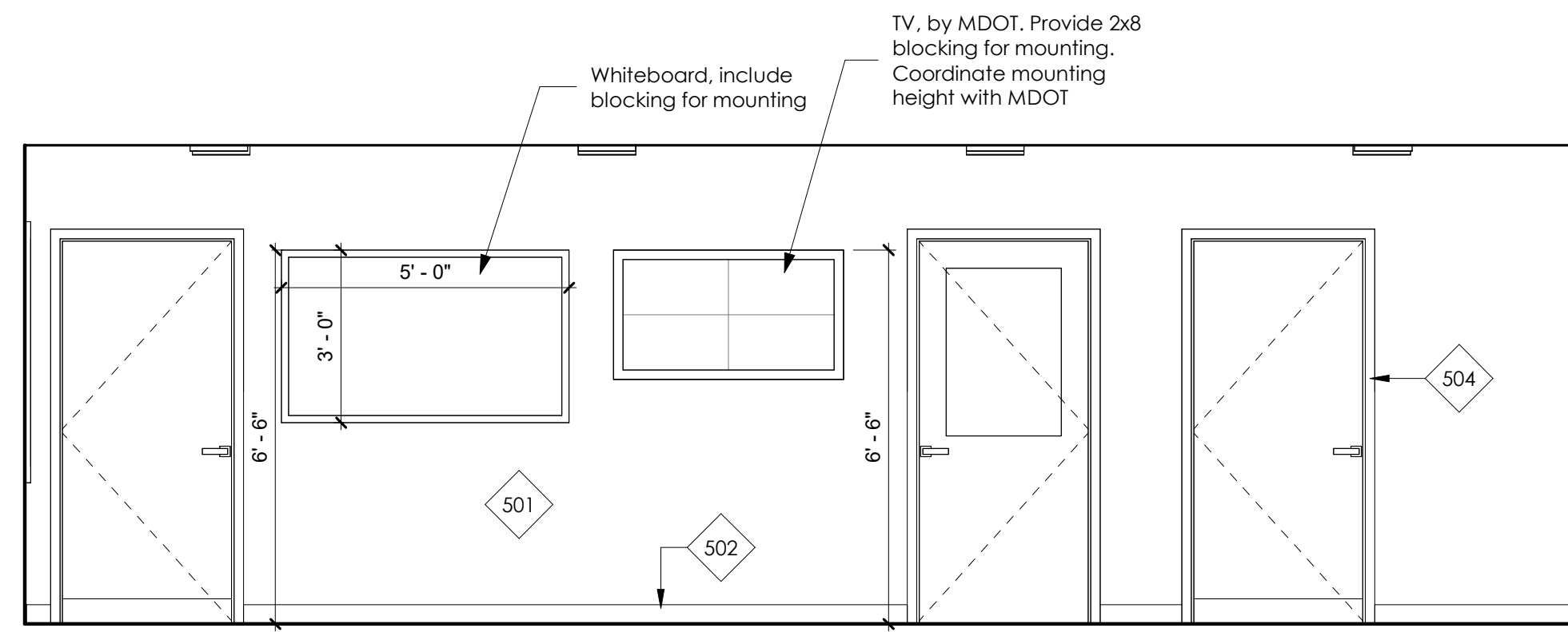




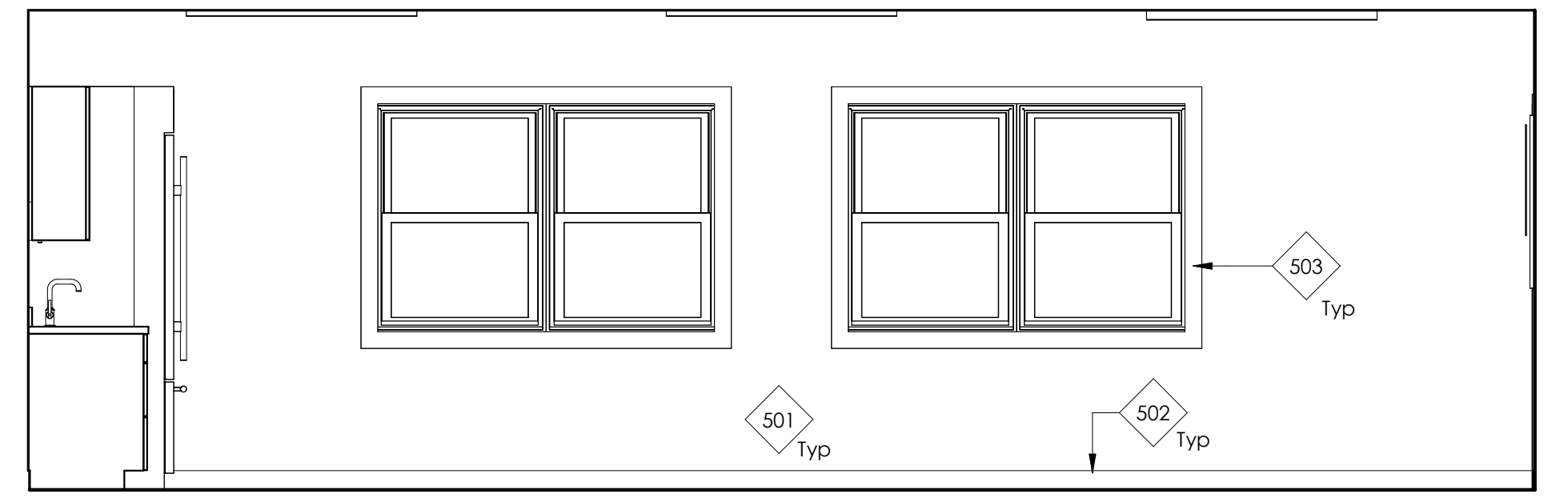
DATE	BY	DATE	BY
OCT. 2025	DM	OCT. 2025	DM

CREW QUARTERS
 DIXFIELD, MAINE
 INTERIOR ELEVATIONS 1

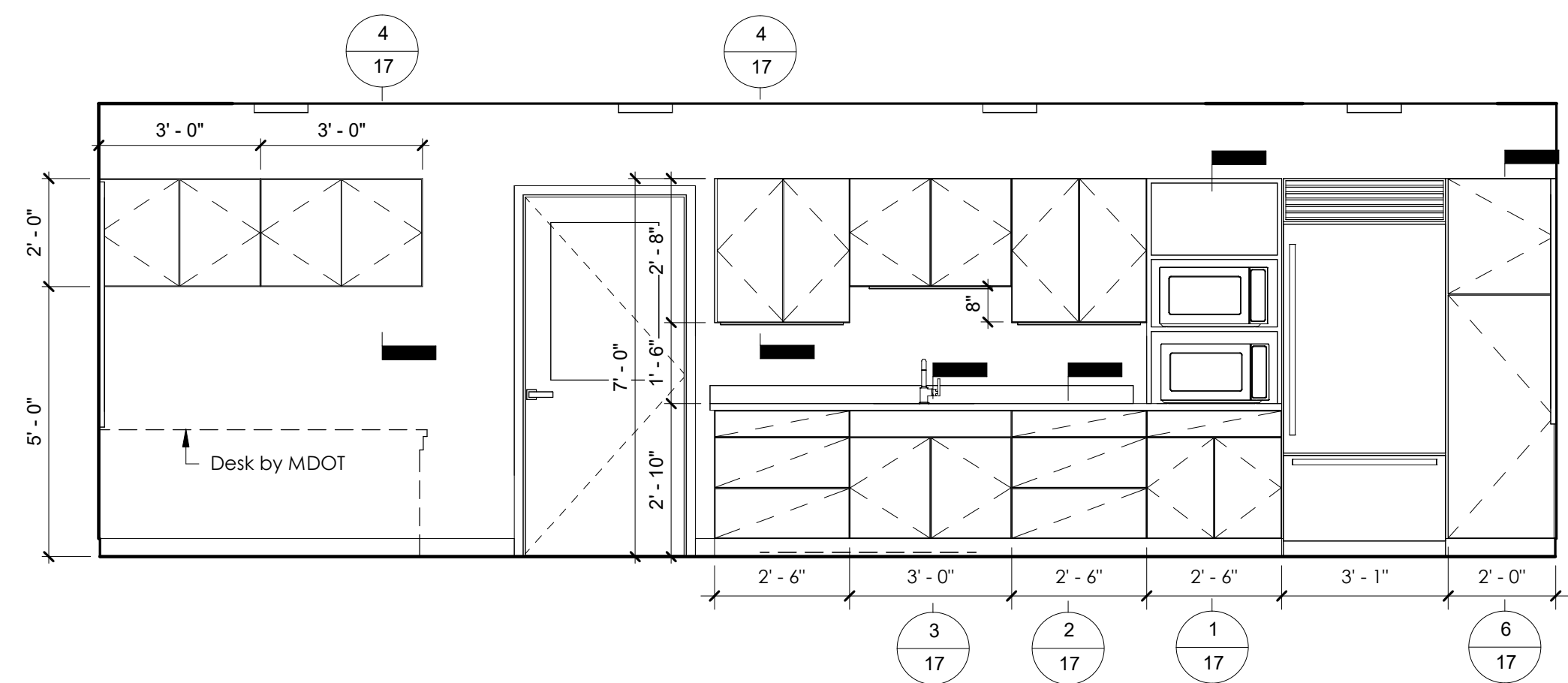
SHEET NUMBER



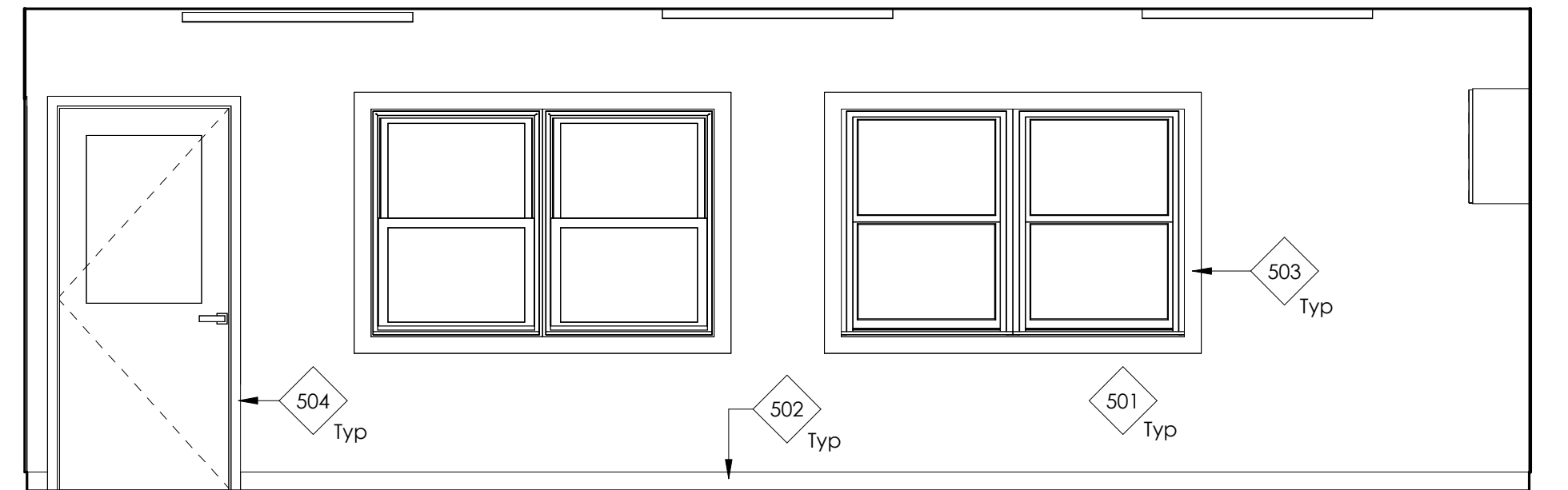
② Common Room
 3/8" = 1'-0"



① Common Room
 3/8" = 1'-0"

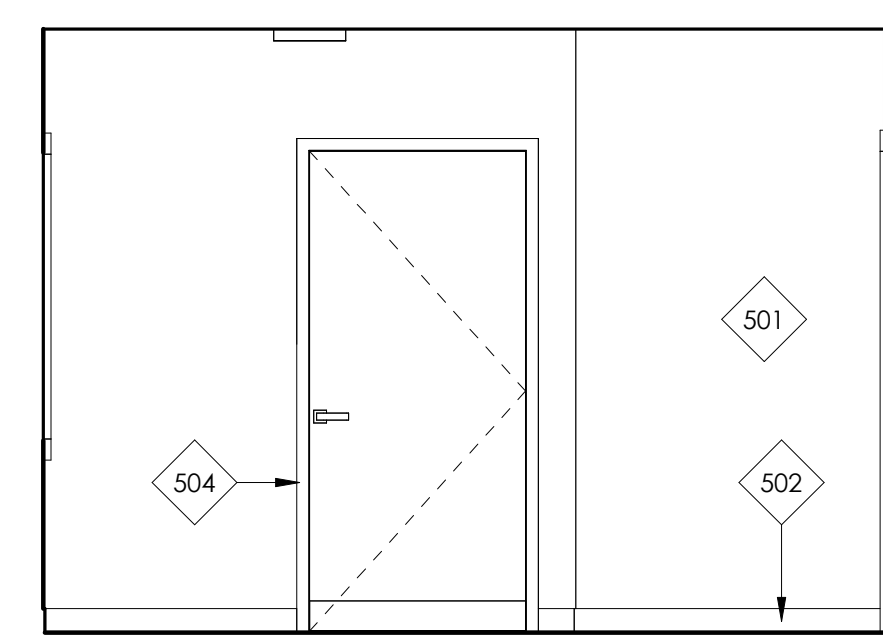


④ Common Room
 3/8" = 1'-0"

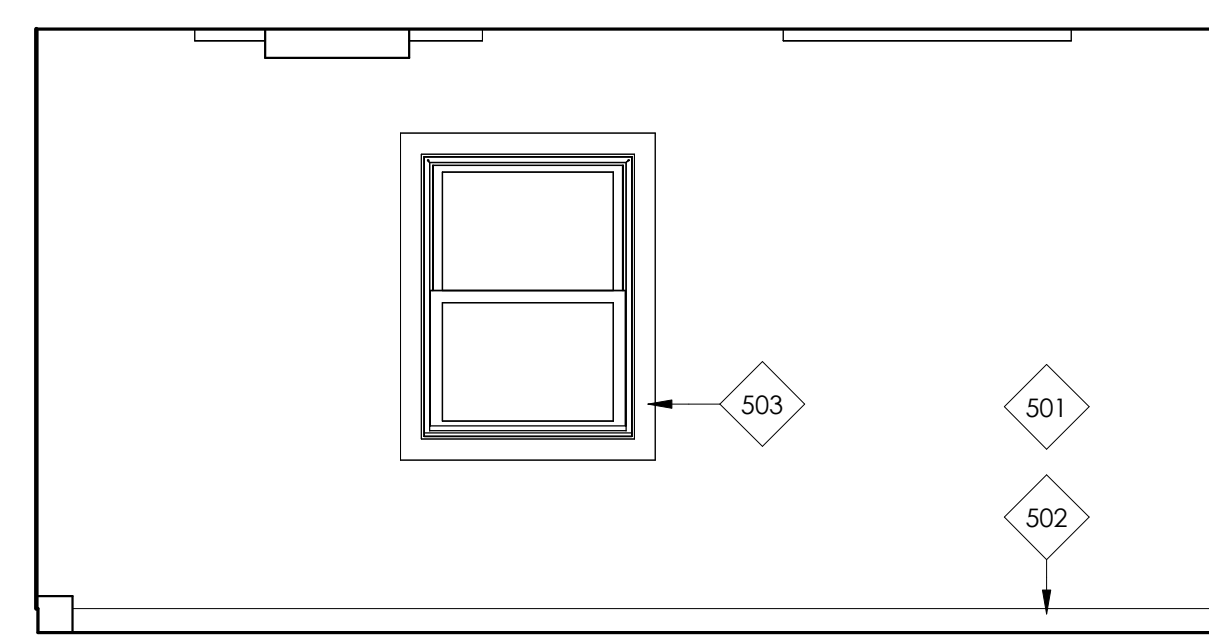


③ Common Room
 3/8" = 1'-0"

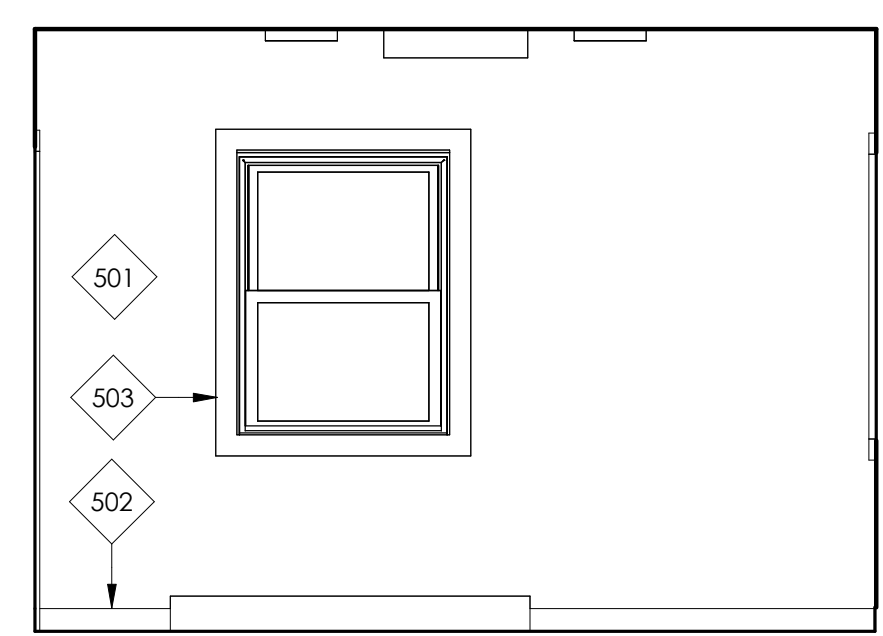
Interior Elevation Key Notes	
501	5/8" Gyp bd, ptd
502	Vinyl base, typ
503	1x4 Maple wood trim, clr finish
504	Hollow metal jamb, pnt
505	FRP Panel see interior elevations for height, see specifications
506	Whiteboard, include blocking for mounting
507	TV, by MDOT. Provide 2x8 blocking for mounting. Coordinate mounting height with MDOT
508	1x4 Wd trim, pnt
509	Mirror, as specified. Provide 2x8 blocking at top and bottom of mirror. Coordinate height w/ approved submittal.
510	Light fixture, see electrical dwgs
512	Tile Base, see finish schedule
513	See typical truss diagram
514	CMU locker base, pnt. Color to match locker color
515	2x8 Blocking, typ
516	3/4"Th x 8'H plywd mounting panel, installed over gyp bd finish, along the length of wall, pnt black
517	15"W x 18"D x 72" (6'-0")H Metal locker, typ
518	Fire extinguisher cabinet, as specified. Fire extinguisher by MDOT



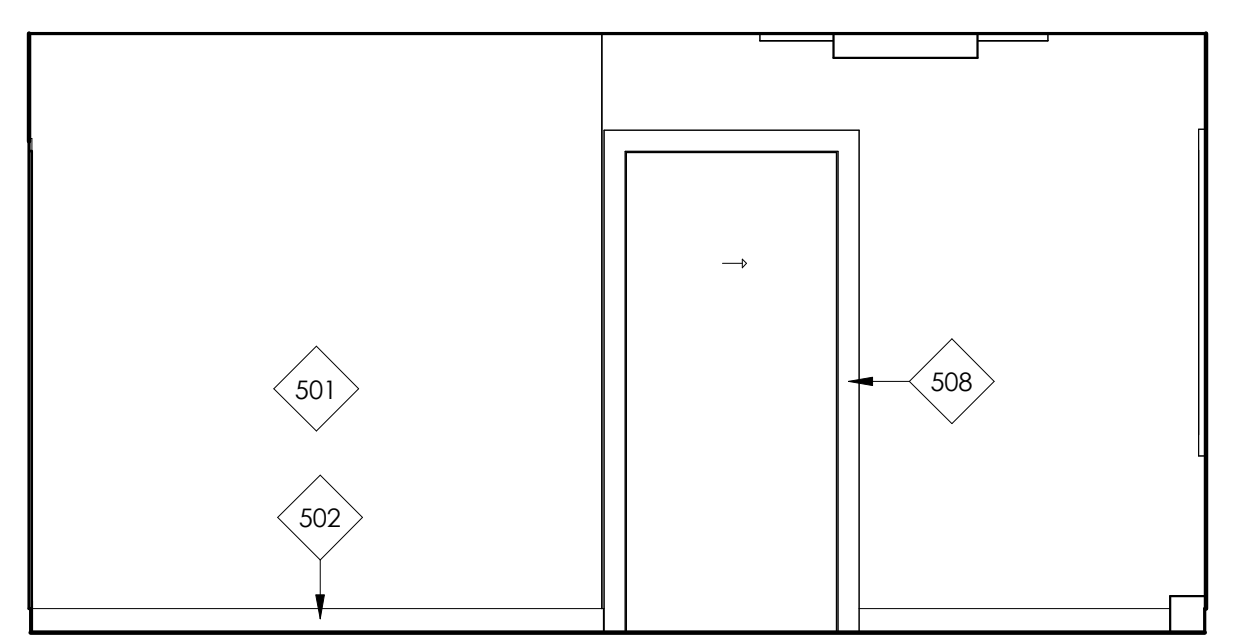
⑧ TCL 04
 3/8" = 1'-0"



⑦ TCL 03
 3/8" = 1'-0"

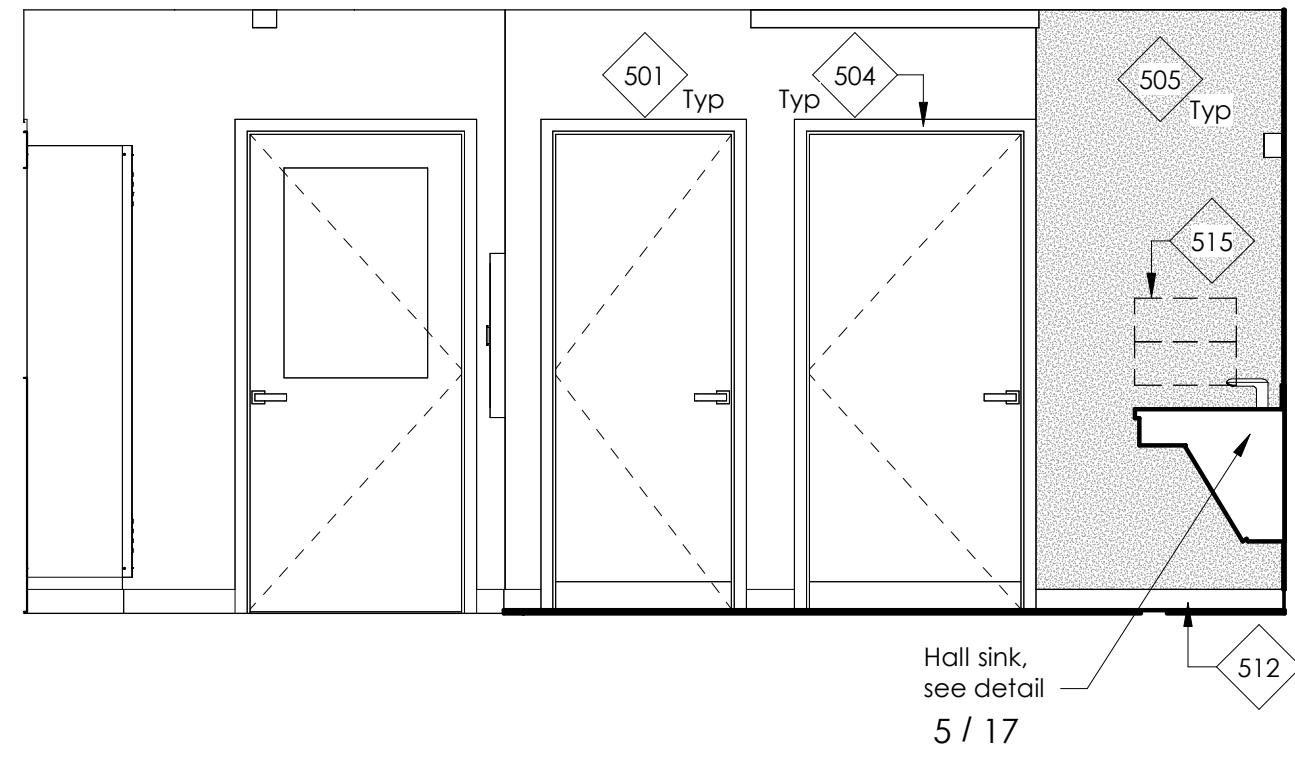


⑥ TCL 02
 3/8" = 1'-0"

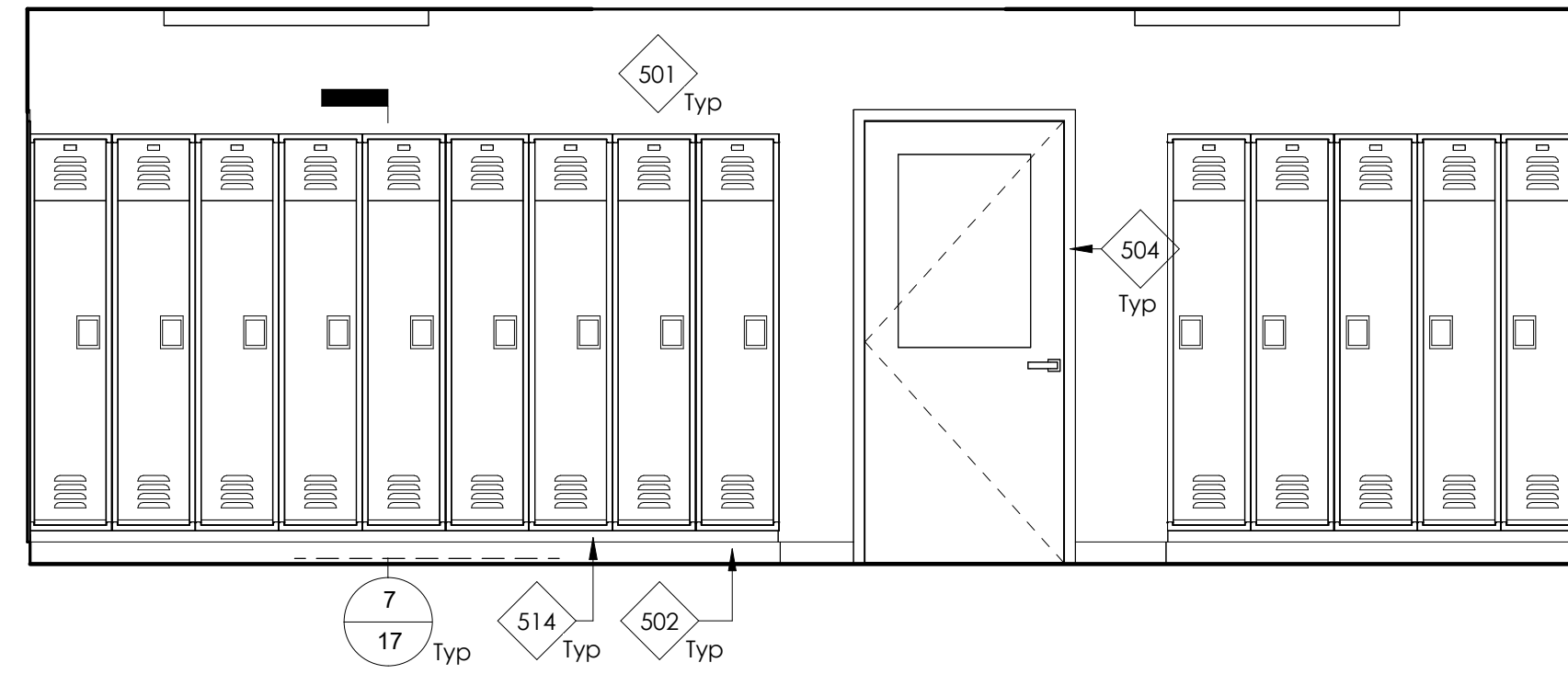


⑤ TCL 01
 3/8" = 1'-0"

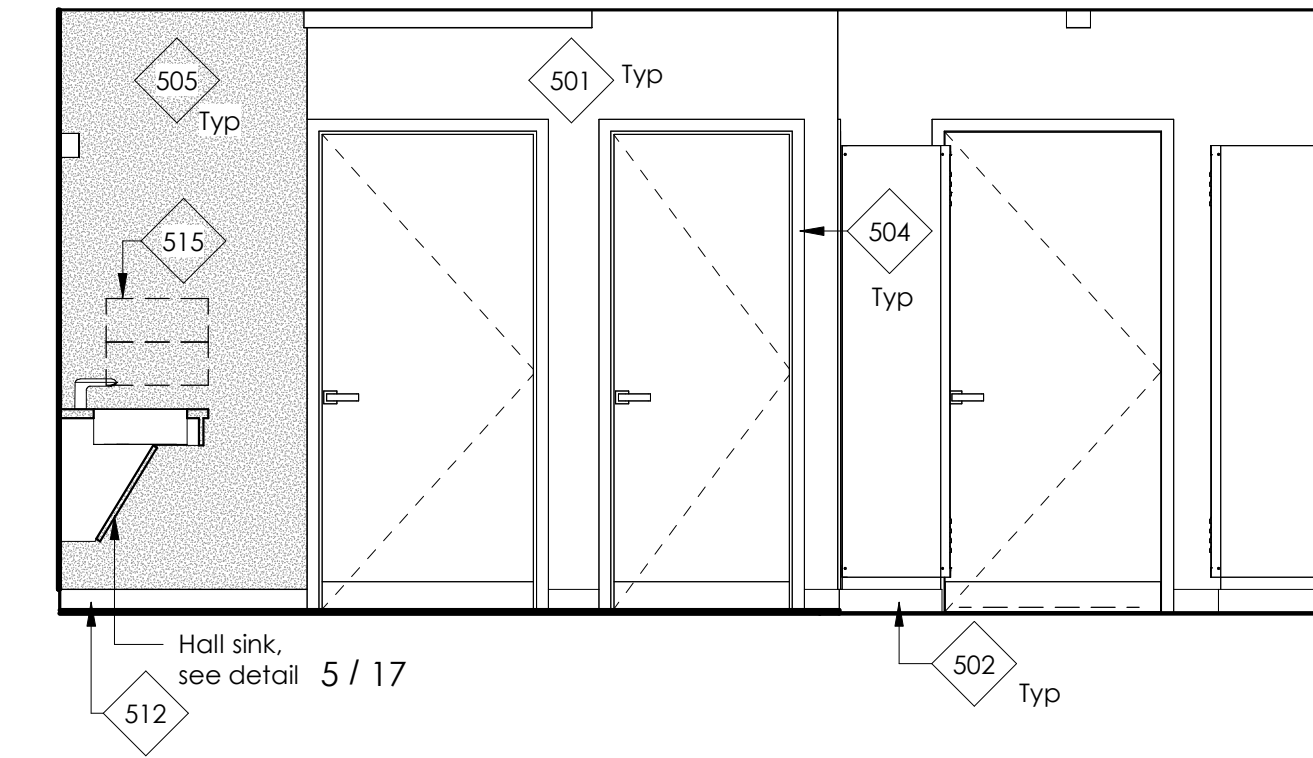
Interior Elevation Key Notes	
501	5/8" Gyp bd, ptd
502	Vinyl base, typ
503	1x4 Maple wood trim, clr finish
504	Hollow metal jamb, pnt
505	FRP Panel see interior elevations for height, see specifications
506	Whiteboard, include blocking for mounting
507	TV, by MDOT. Provide 2x8 blocking for mounting. Coordinate mounting height with MDOT
508	1x4 Wd trim, pnt
509	Mirror, as specified. Provide 2x8 blocking at top and bottom of mirror. Coordinate height w/ approved submittal.
510	Light fixture, see electrical dwgs
512	Tile Base, see finish schedule
513	See typical truss diagram
514	CMU locker base, pnt. Color to match locker color
515	2x8 Blocking, typ
516	3/4"Th x 8'H plywd mounting panel, installed over gyp bd finish, along the length of wall, pnt black
517	15"W x 18"D x 72" (6'-0")H Metal locker, typ
518	Fire extinguisher cabinet, as specified. Fire extinguisher by MDOT



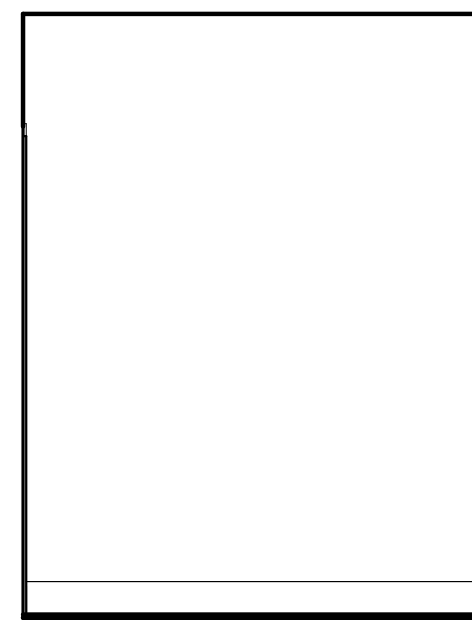
③ Lockers
3/8" = 1'-0"



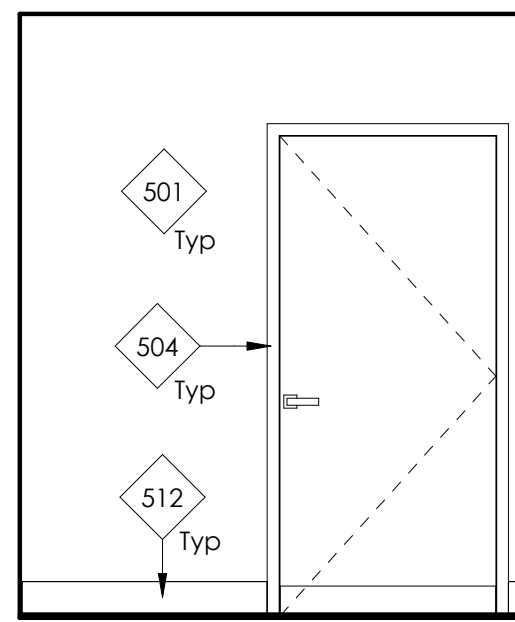
② Lockers
3/8" = 1'-0"



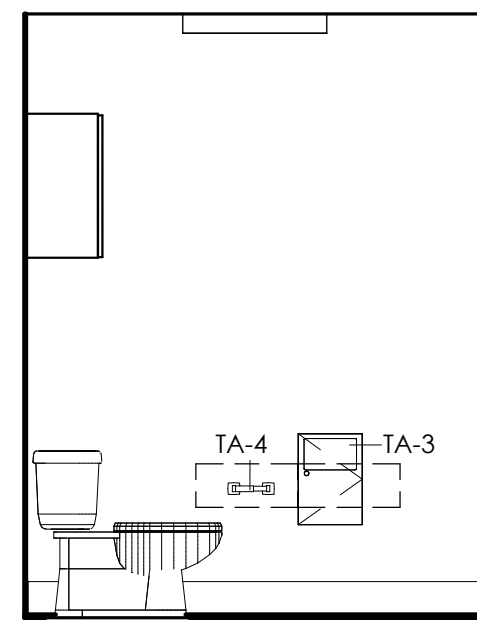
① Lockers
3/8" = 1'-0"



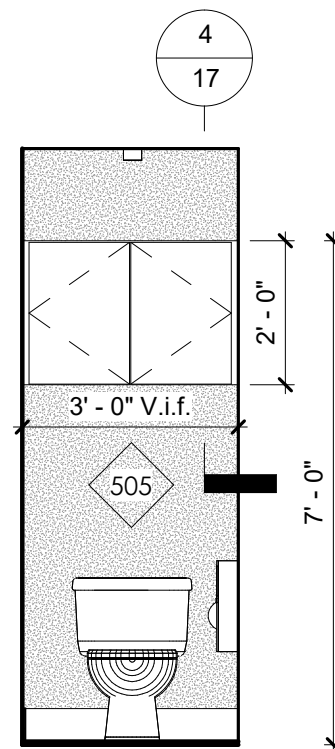
⑩ ADA Toilet
3/8" = 1'-0"



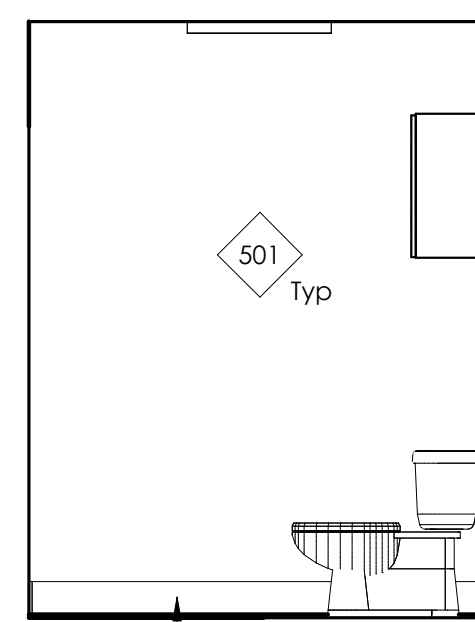
⑨ ADA Toilet
3/8" = 1'-0"



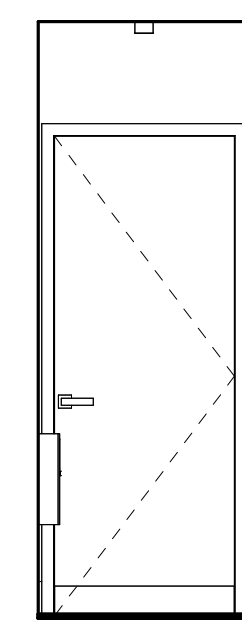
⑧ Toilet
3/8" = 1'-0"



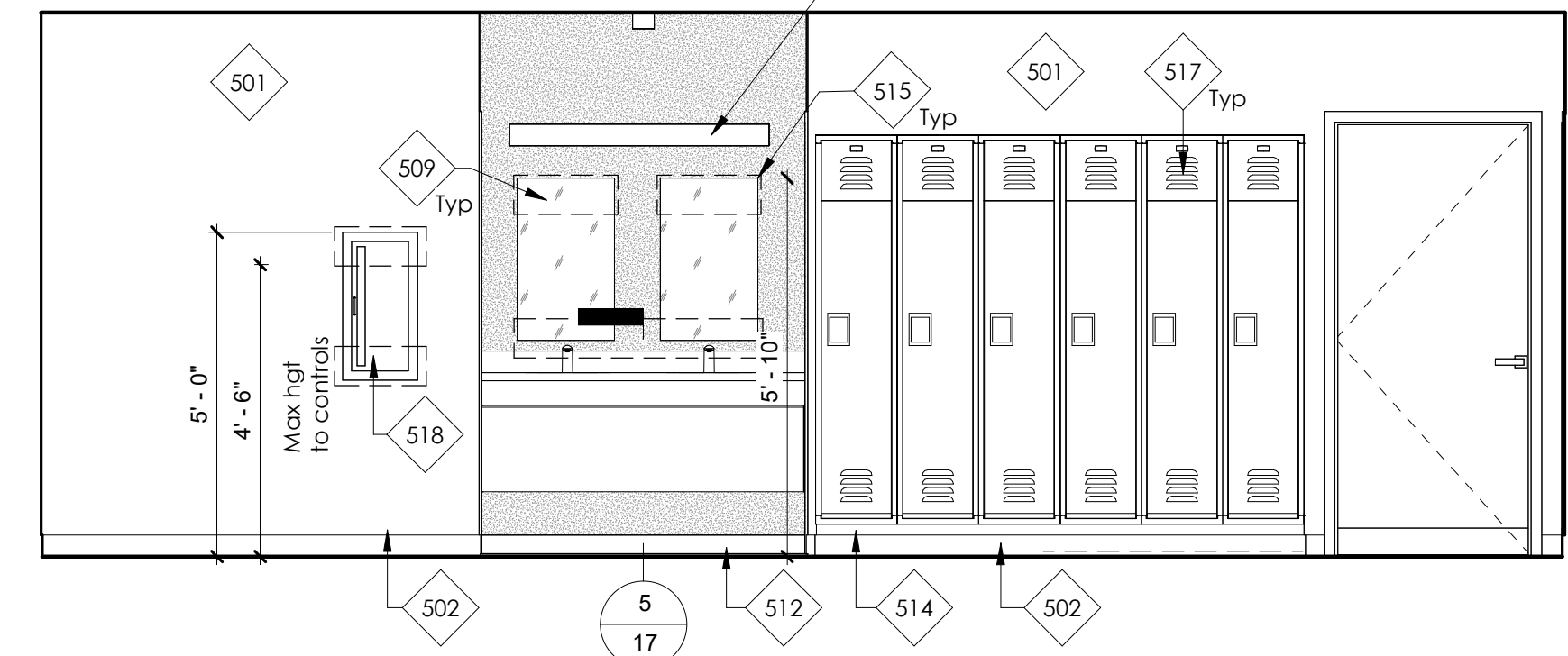
⑦ Toilet
3/8" = 1'-0"



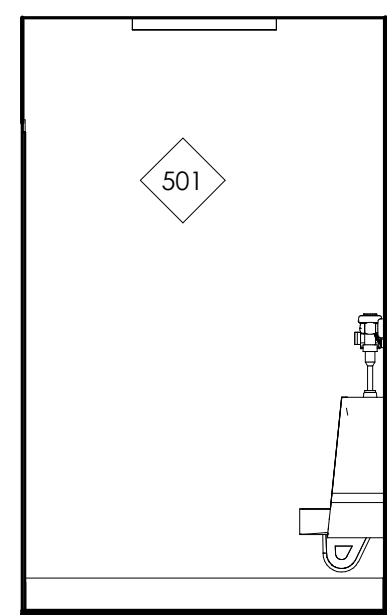
⑥ Toilet
3/8" = 1'-0"



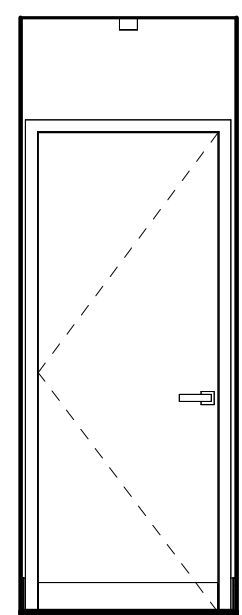
⑤ Toilet
3/8" = 1'-0"



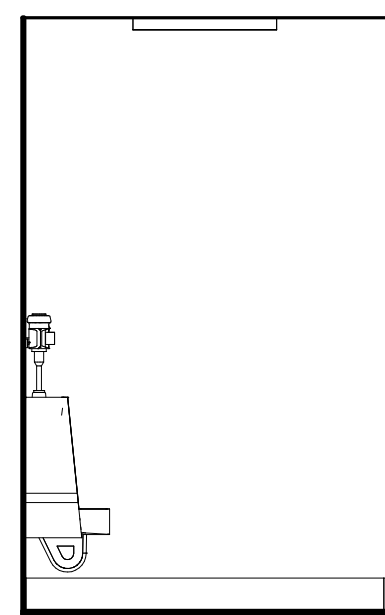
④ Lockers
3/8" = 1'-0"



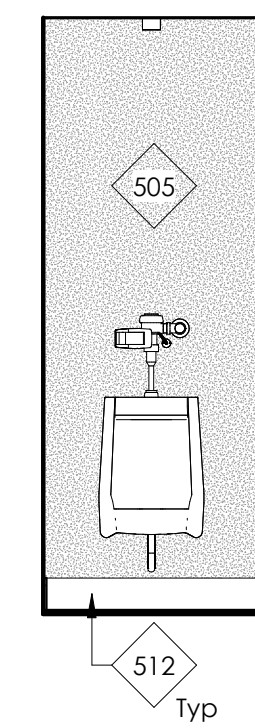
⑳ Urinal
3/8" = 1'-0"



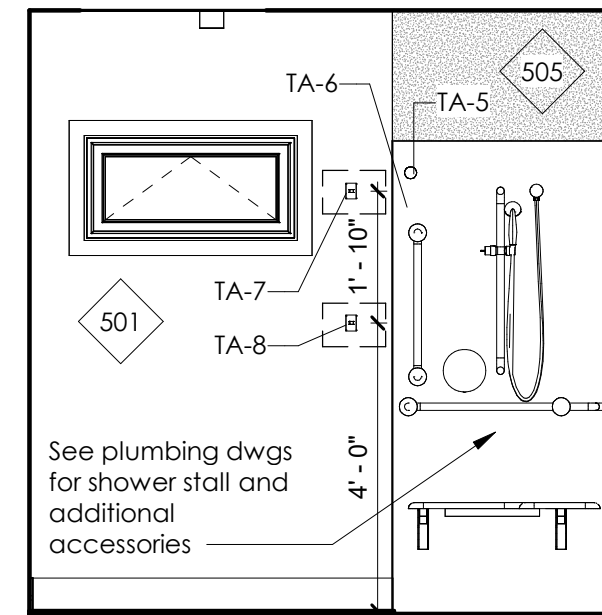
⑲ Urinal
3/8" = 1'-0"



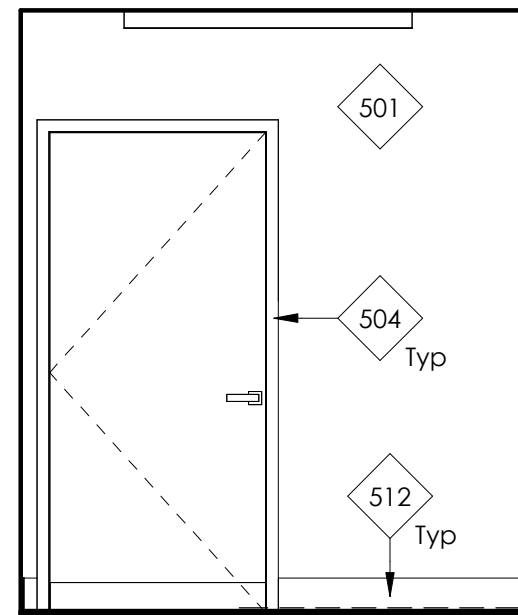
⑱ Urinal
3/8" = 1'-0"



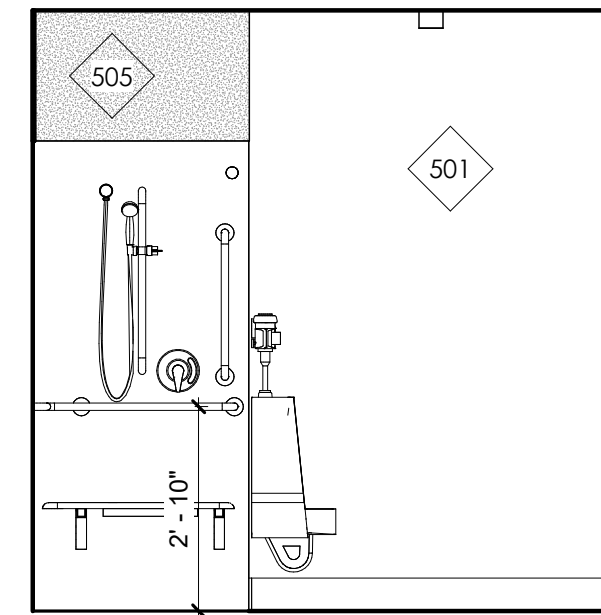
⑰ Urinal
3/8" = 1'-0"



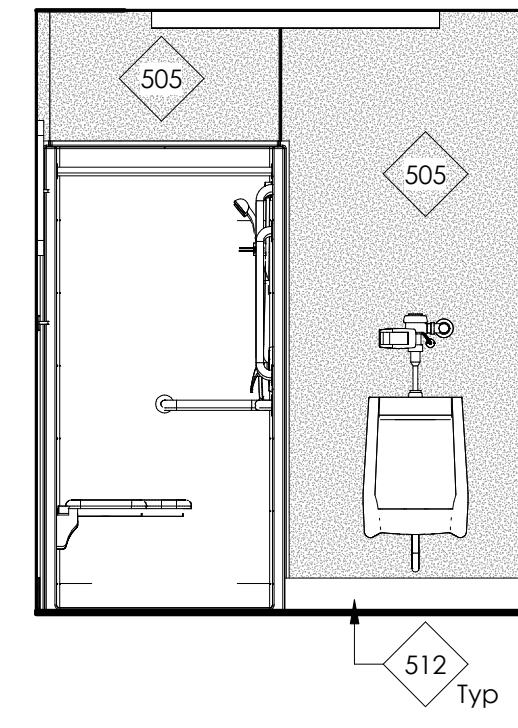
⑮ ADA Shower
3/8" = 1'-0"



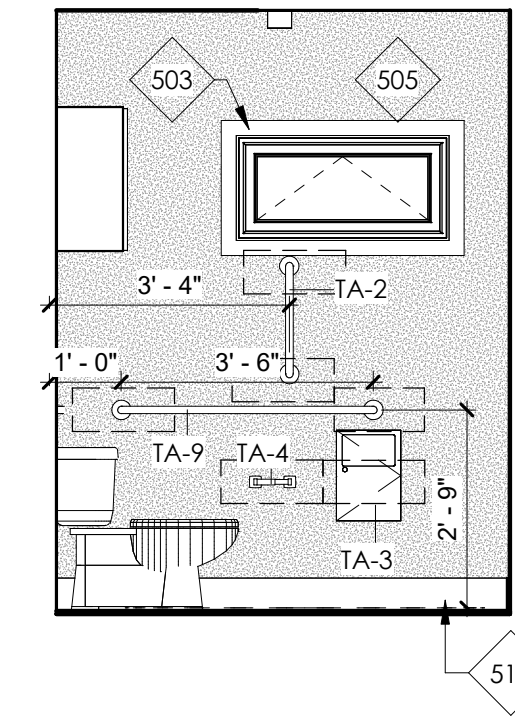
⑮ ADA Shower
3/8" = 1'-0"



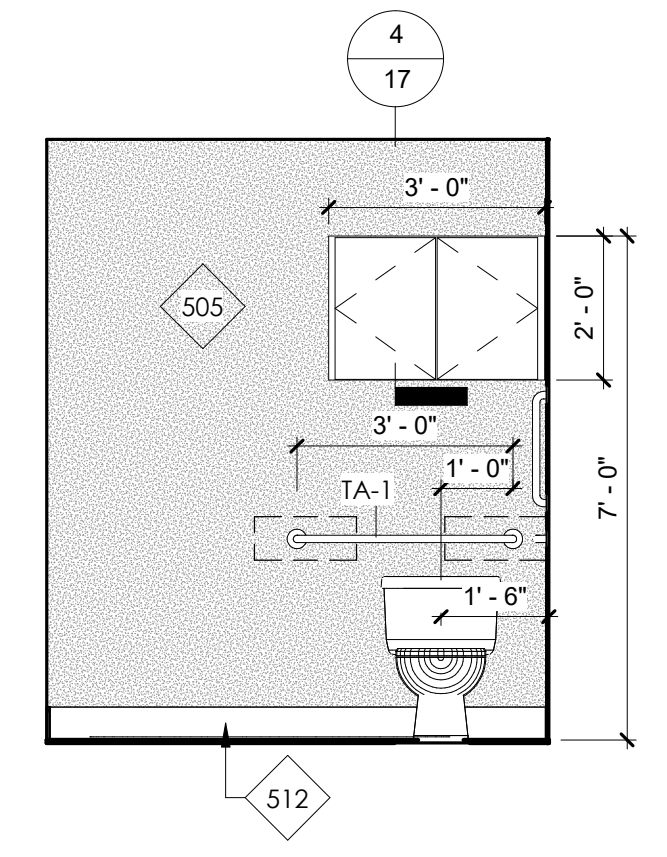
⑮ ADA Shower
3/8" = 1'-0"



⑬ ADA Shower
3/8" = 1'-0"



⑫ ADA Toilet
3/8" = 1'-0"



⑪ ADA Toilet
3/8" = 1'-0"

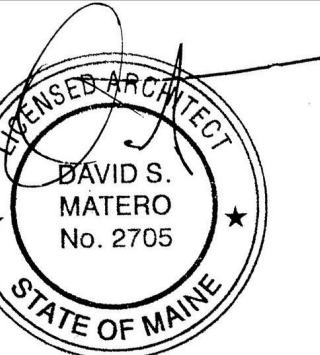
**CREW QUARTERS
DIXFIELD, MAINE
INTERIOR ELEVATIONS 3**

SHEET NUMBER

16

PREPARED FOR:
STATE OF MAINE DOT
CREW QUARTERS DIXFIELD, MAINE
DIXFIELD, MAINE
WIN 030325.00

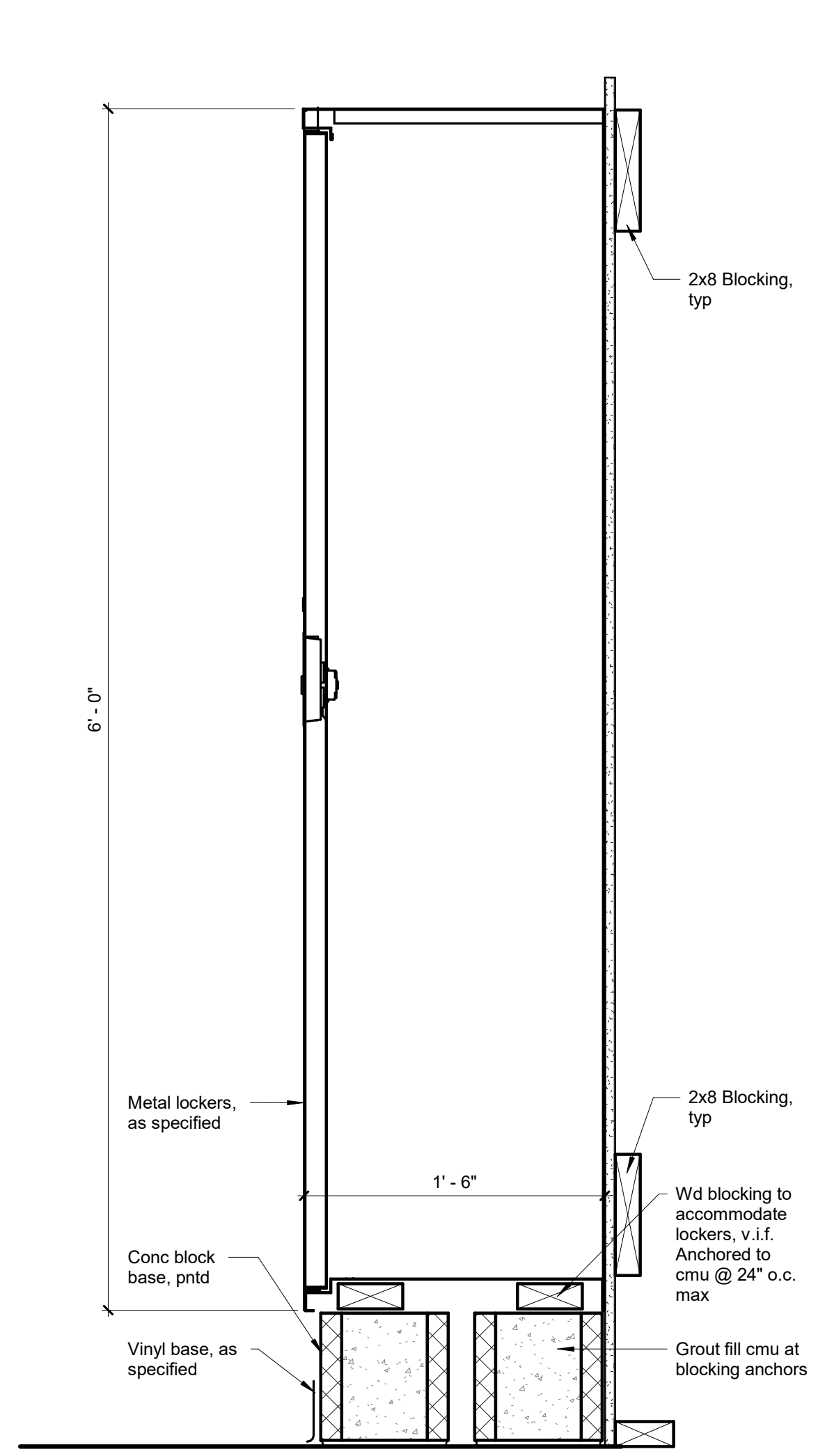
David Matero
Architecture
49 Centre Street
Bath, ME 04530
207.389.4278
info@davidmatero.com



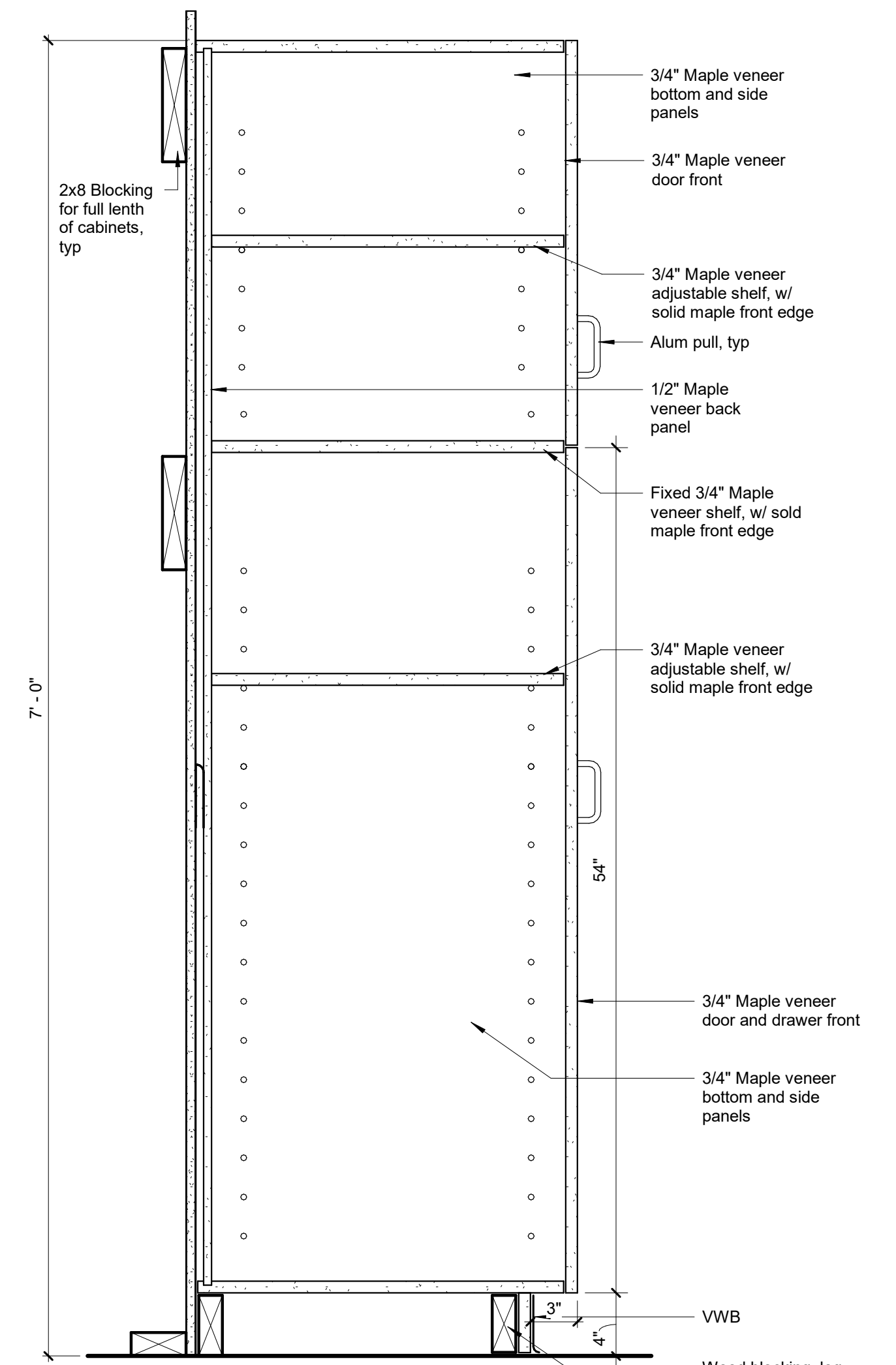
DATE	BY	DATE	BY
OCT. 2025	DM	OCT. 2025	DM

DATE	BY	DATE	BY
OCT. 2025	DM	OCT. 2025	DM

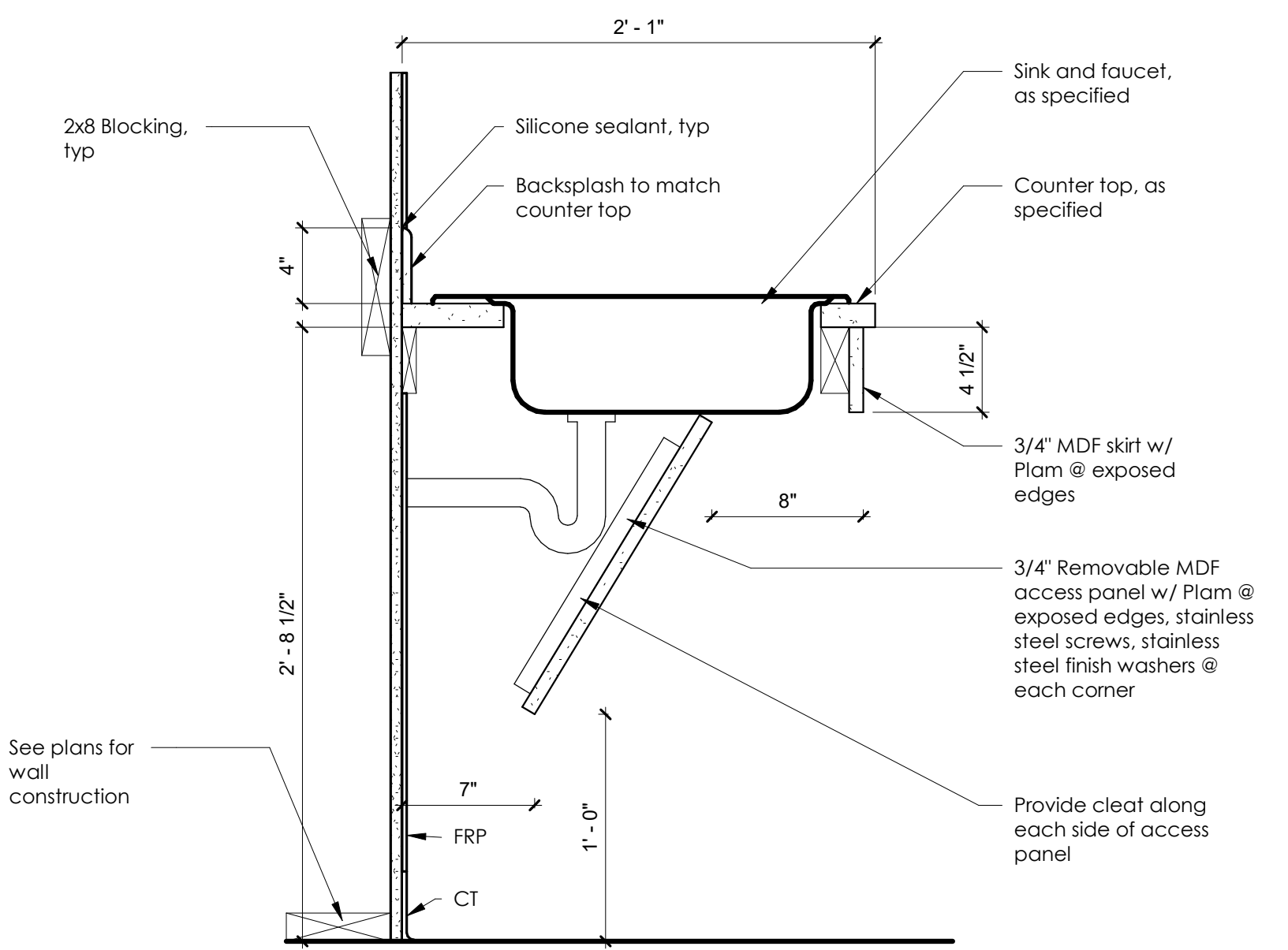
For Bid



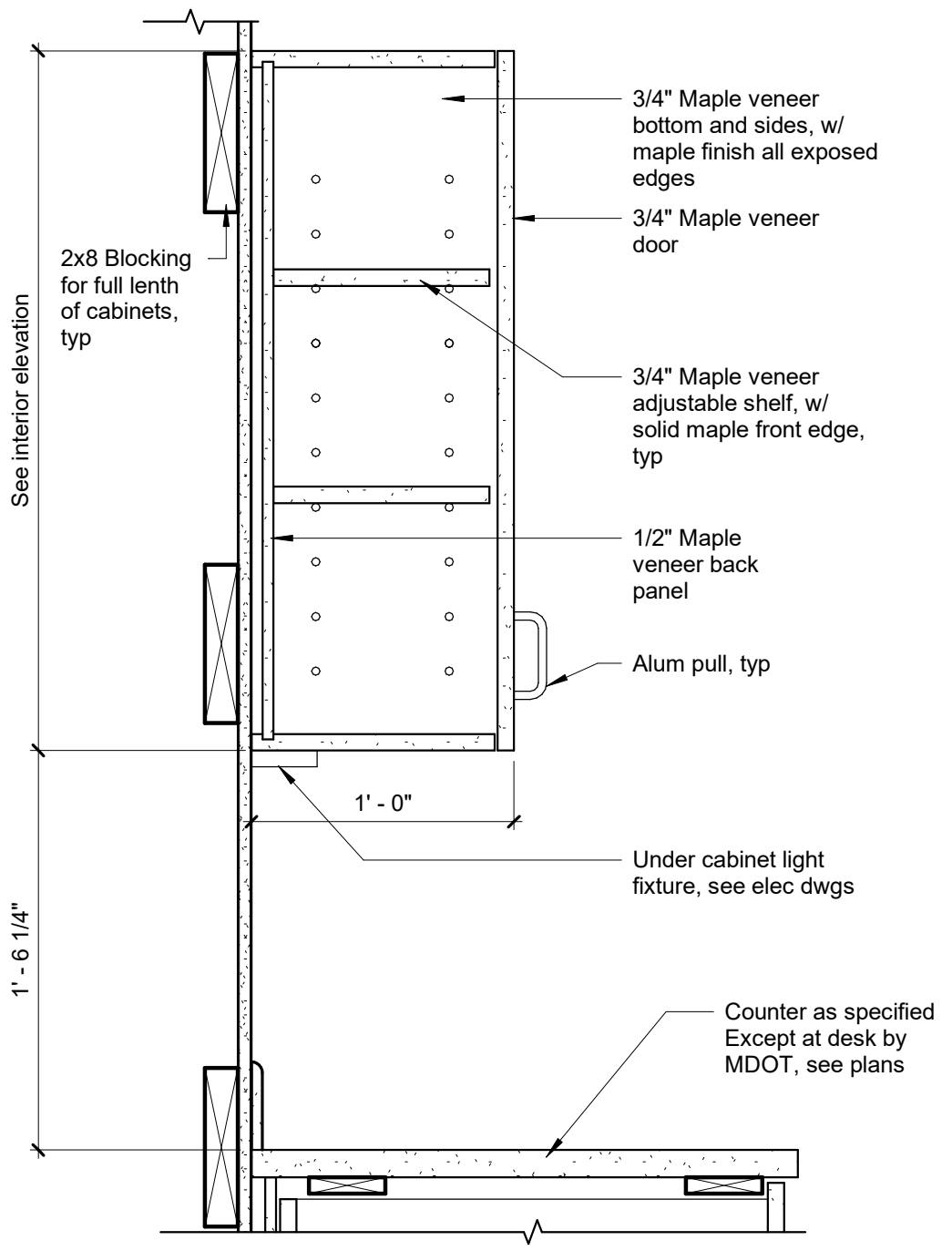
7 Typ Locker Detail
1 1/2" = 1'-0"



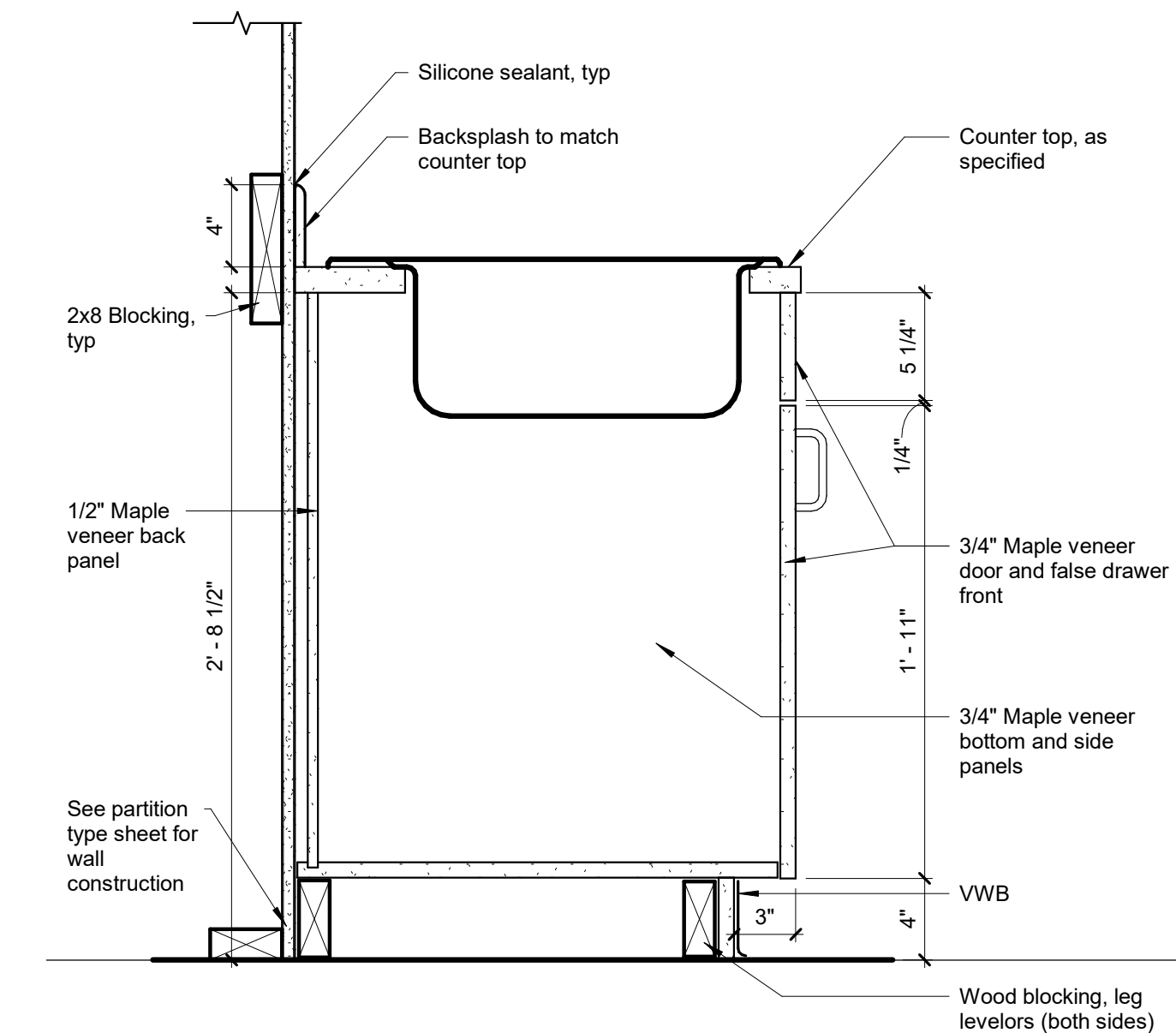
6 Tall Cabinet
1 1/2" = 1'-0"



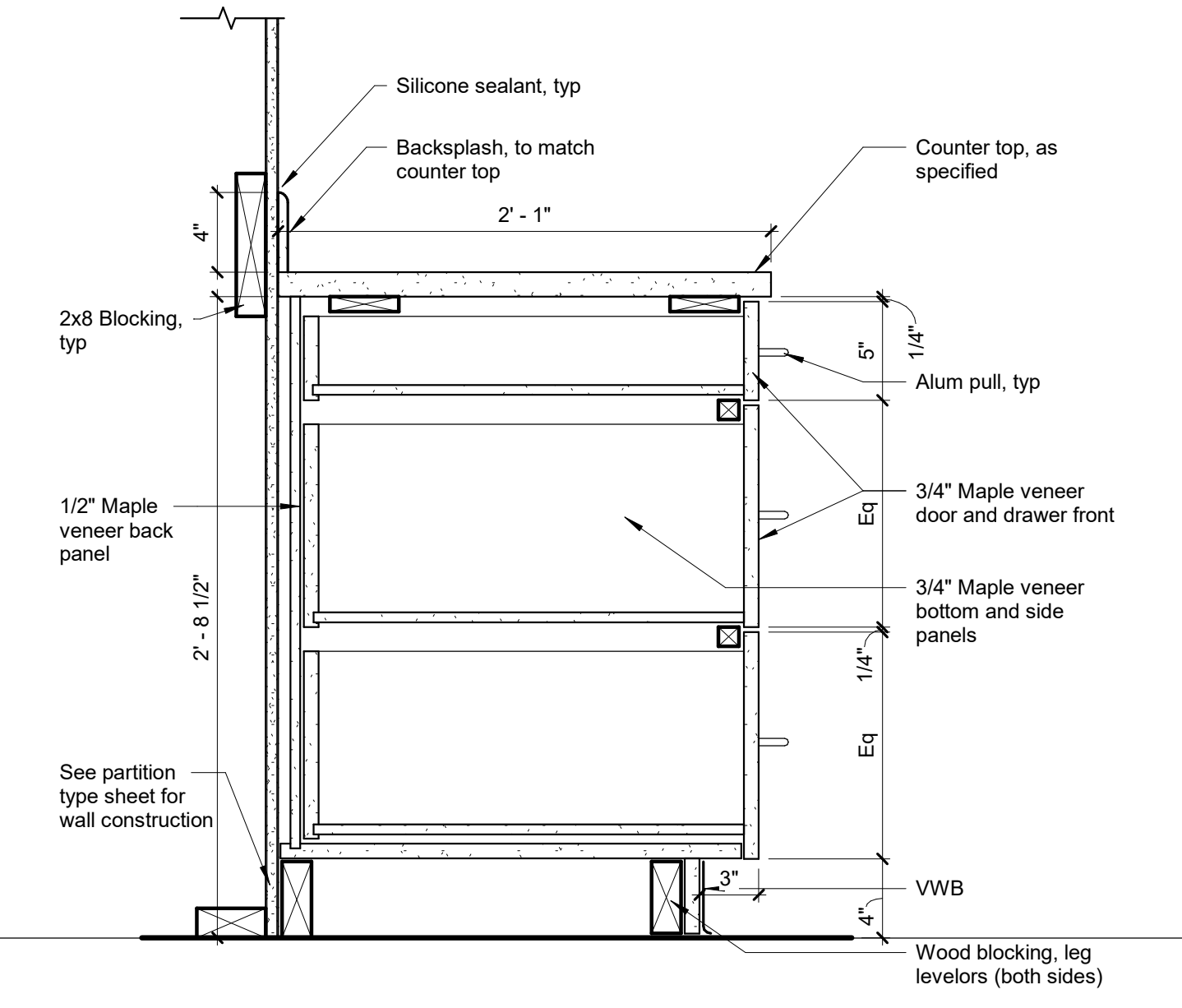
5 Cabinet Detail Hall Sink
1 1/2" = 1'-0"



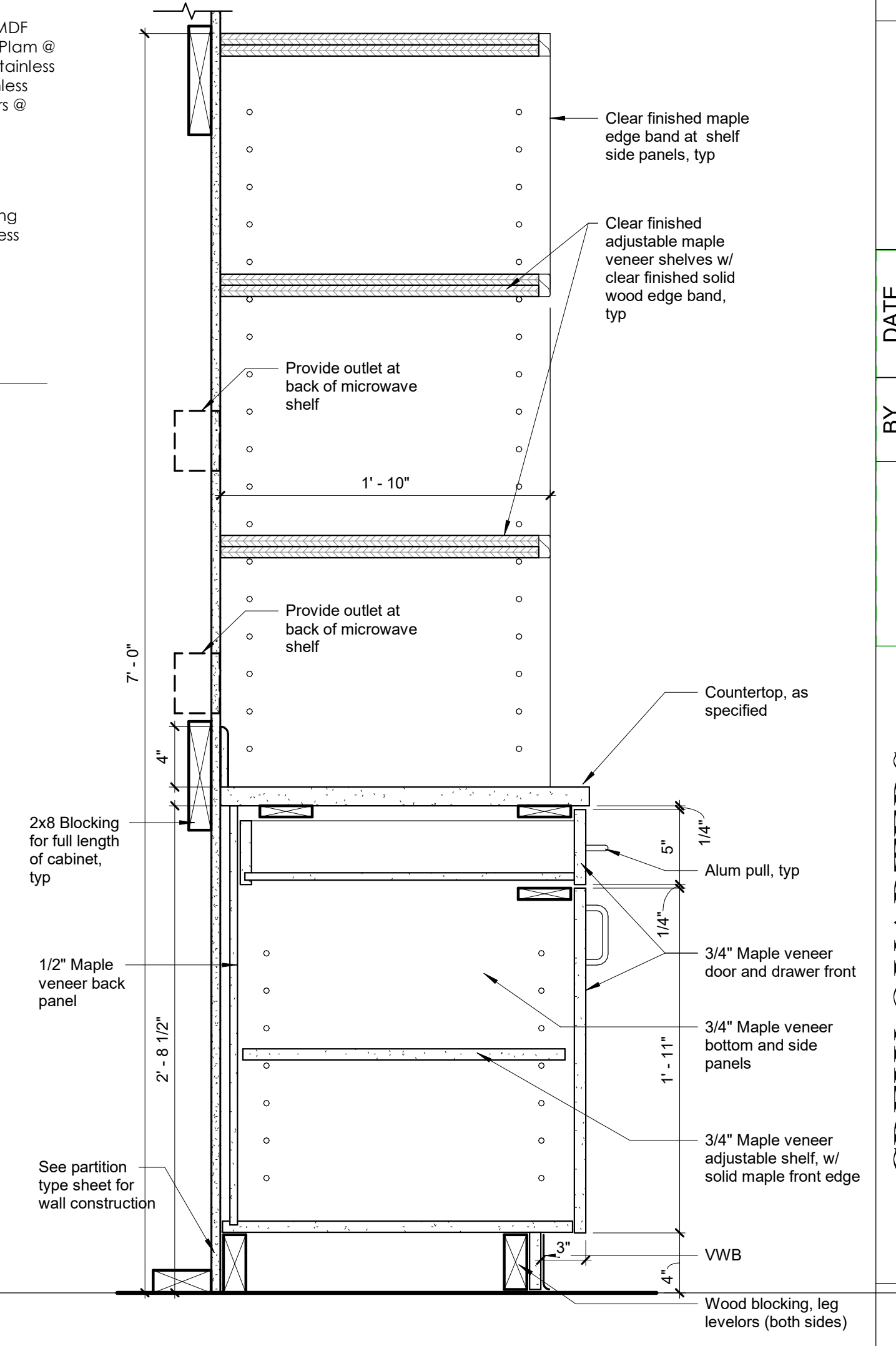
4 Cabinet Details Upper Cabinet w/ Doors
1 1/2" = 1'-0"



3 Cabinet Details Base @ Sink
1 1/2" = 1'-0"



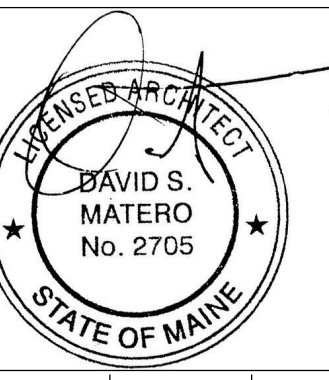
2 Cabinet Details Base @ Drawers
1 1/2" = 1'-0"



1 Cabinet Details Microwave
1 1/2" = 1'-0"

STATE OF MAINE DOT
CREW QUARTERS DIXFIELD, MAINE
DIXFIELD, MAINE
WIN 030325.00

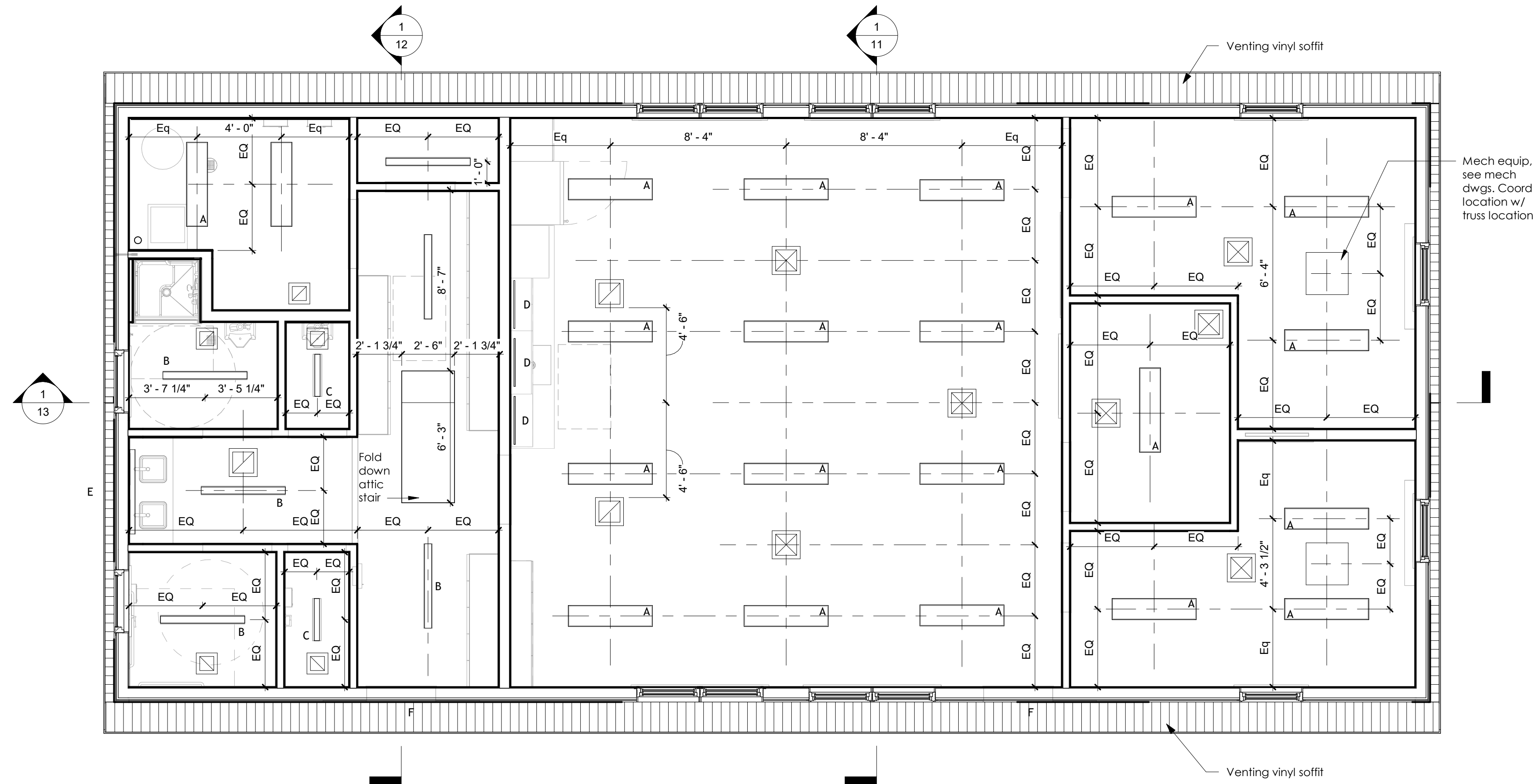
David Matero
Architecture
49 Centre Street
Bath, ME 04530
207.389.4278
info@davidmatero.com



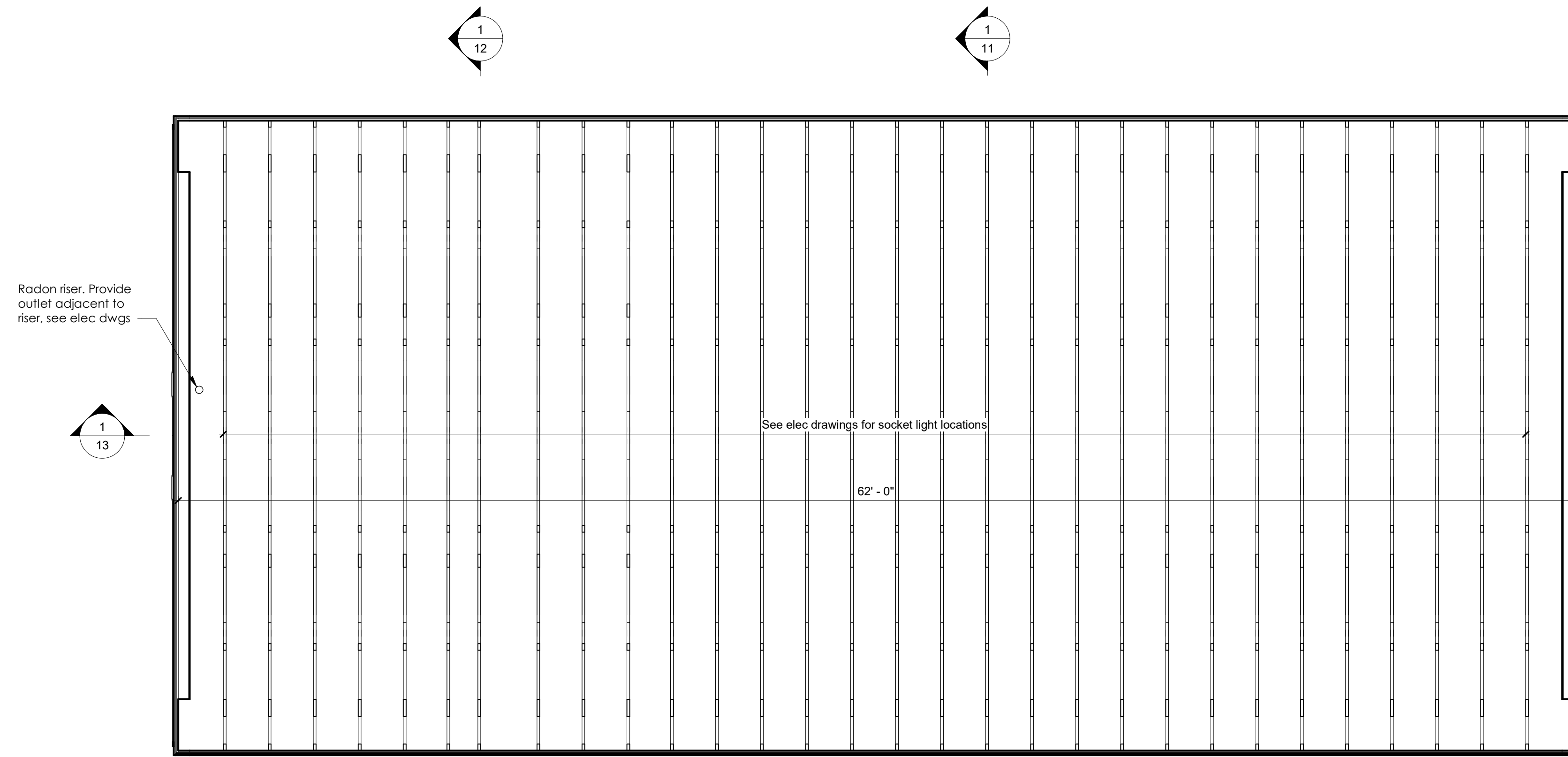
DATE	BY	PE NUMBER	DATE
OCT. 2025	DM	2705	OCT. 2025

CREW QUARTERS
DIXFIELD, MAINE
CABINET DETAILS

SHEET NUMBER



① First Floor Reflected Ceiling Plan
1/4" = 1'-0"




② Attic Reflected Ceiling Plan
1/4" = 1'-0"

Lighting Fixture Schedule

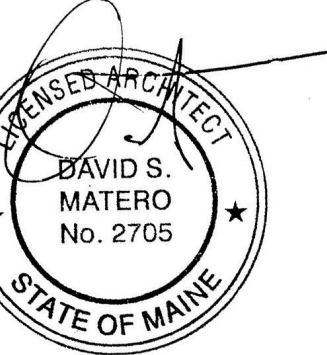
A	12" x 48" Surface mounted LED fixture
B	4" x 48" Surface mounted LED fixture
C	4" x 12" Surface mounted LED fixture
D	Undercabinet LED fixture
E	4" x 48" Wall mounted LED mirror fixture
F	Exterior Wall mounted full-cutoff LED fixture

Note: See electrical drawings for fixture specifications

Reflected Ceiling Legend

-  Supply Register
-  Return Register

Note: See Mechanical plans for register specifications

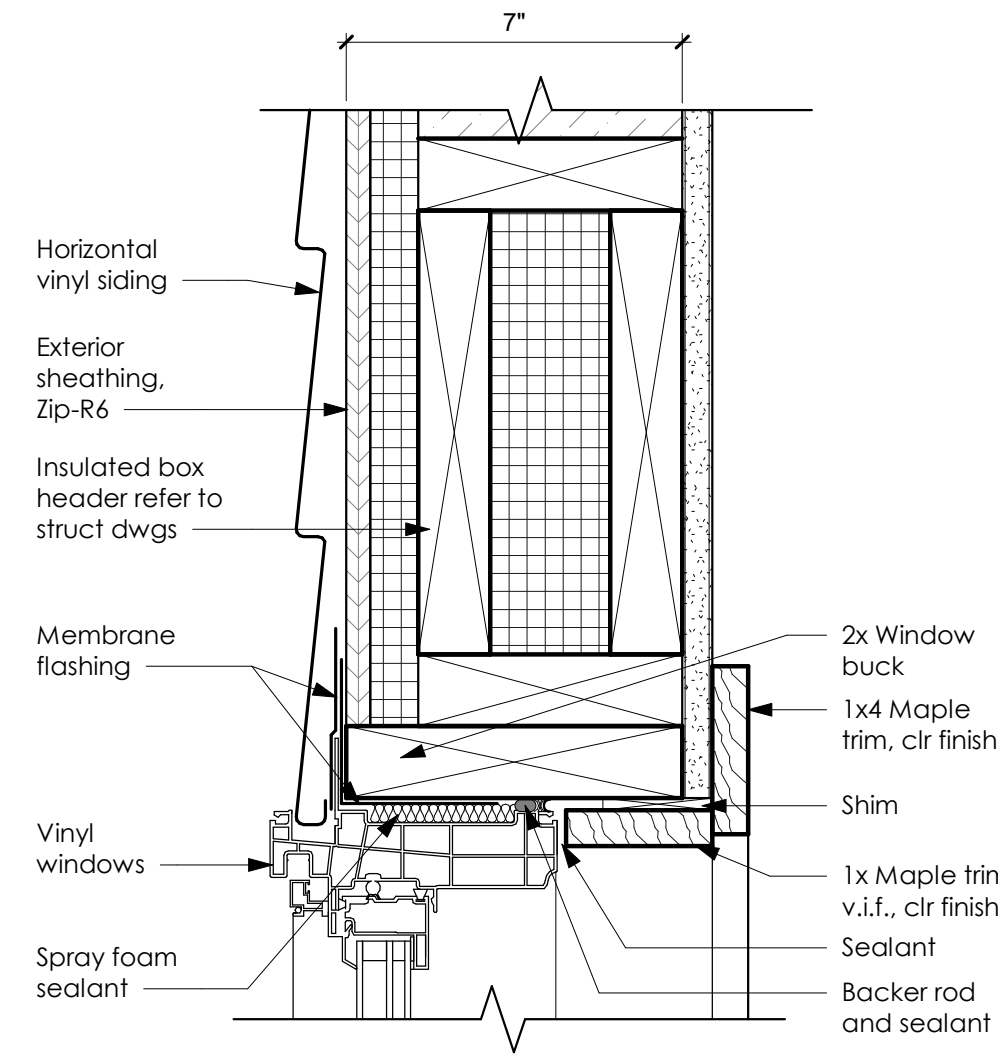


BY	DATE	PE NUMBER	DATE
DM	OCT. 2025	2705	OCT. 2025

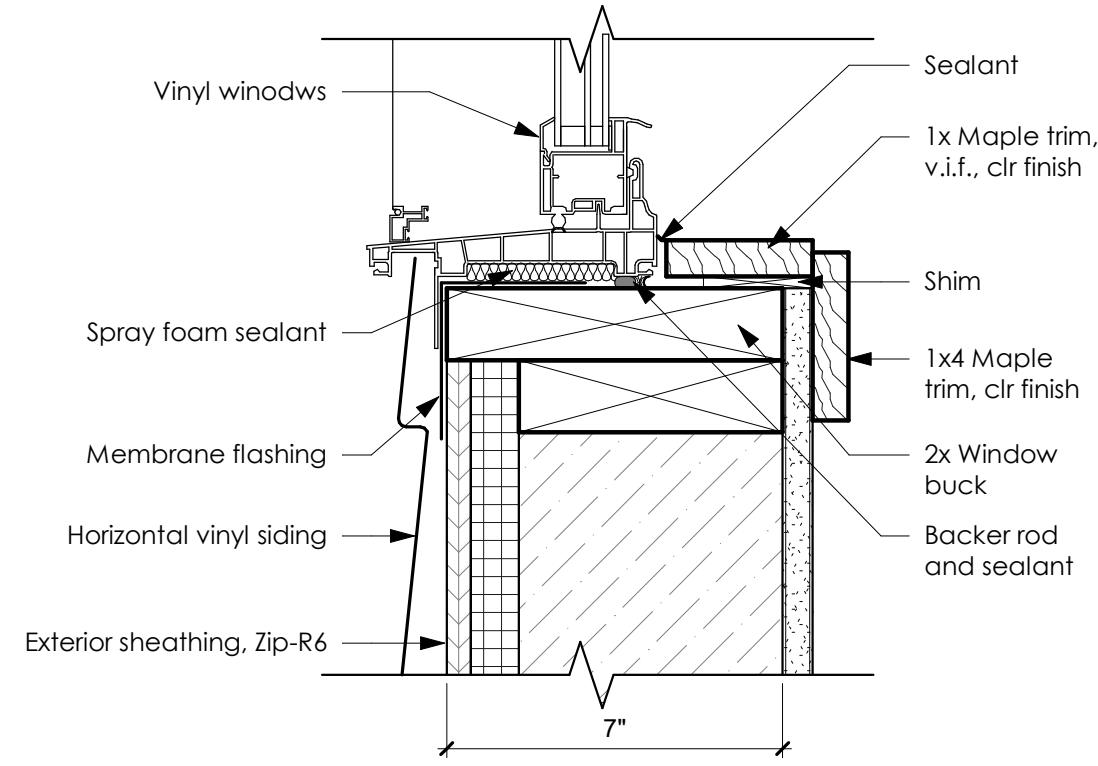
**CREW QUARTERS
DIXFIELD, MAINE
PROPOSED REFLECTED
CEILING PLAN**

SHEET NUMBER

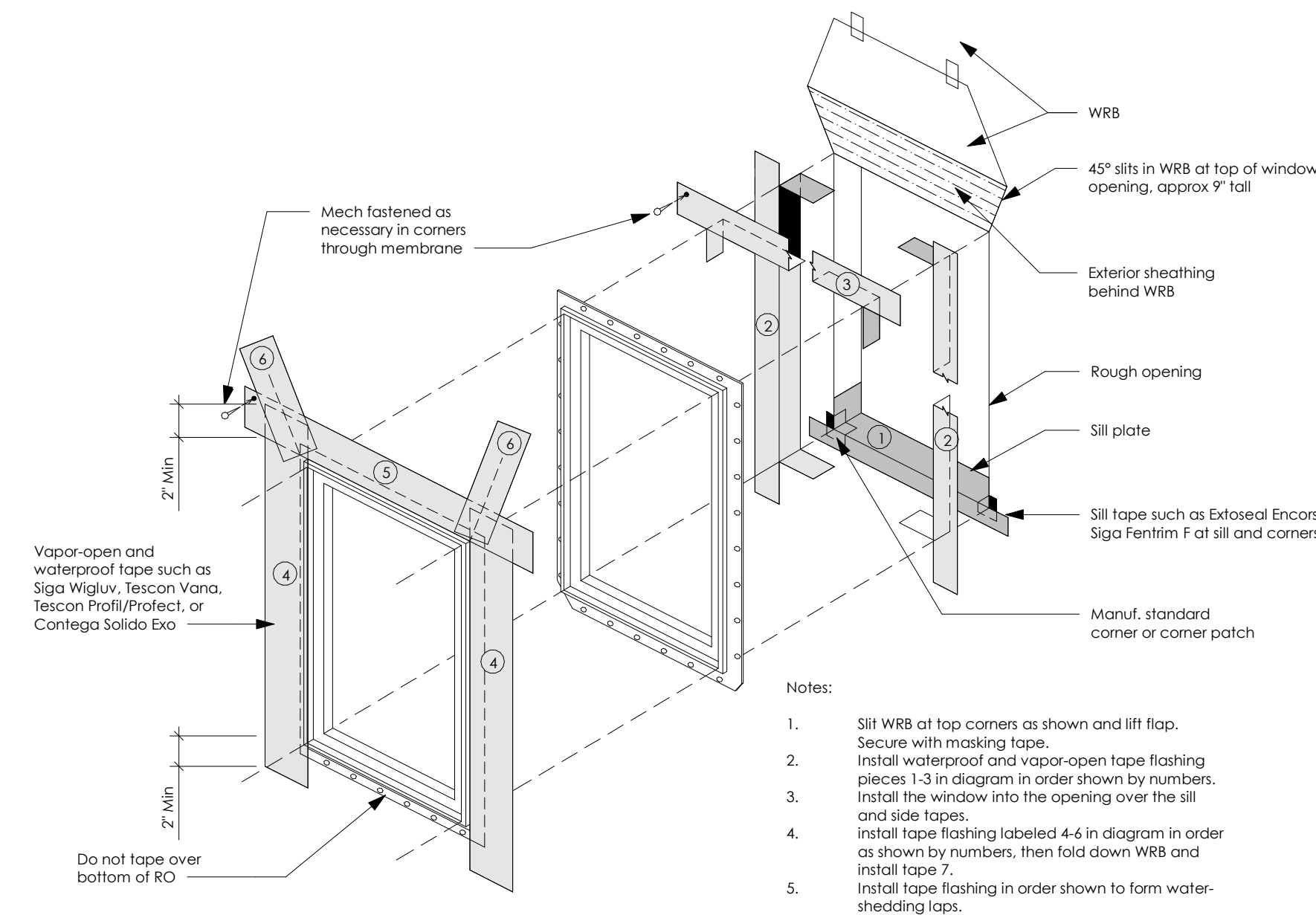
Mathews Brothers - Sanford Hills Window Schedule - Triple Glazed													
Tag	Manufacturer	Width	Height	# of Units Wide	Rough Opening		Materials		Egress	Tempered	U Value	SHGC	Remarks
					Width	Height	Exterior Finish	Interior Finish					
A	Mathews Brothers	3' - 0"	4' - 0"	1	3' - 0 1/2"	4' - 0 1/2"	Vinyl - White	Vinyl - White			0.2	0.23	
B	Mathews Brothers	3' - 0"	4' - 0"	2	6' - 0 5/8"	4' - 0 1/2"	Vinyl - White	Vinyl - White			0.2	0.23	
D	Mathews Brothers	3' - 0"	1' - 6"	1	3' - 0 1/2"	1' - 6 1/2"	Vinyl - White	Vinyl - White			0.2	0.23	



7 Typ Det @ Window Head / Jamb Sim
3" = 1'-0"



6 Typ Det @ Window Sill
3" = 1'-0"

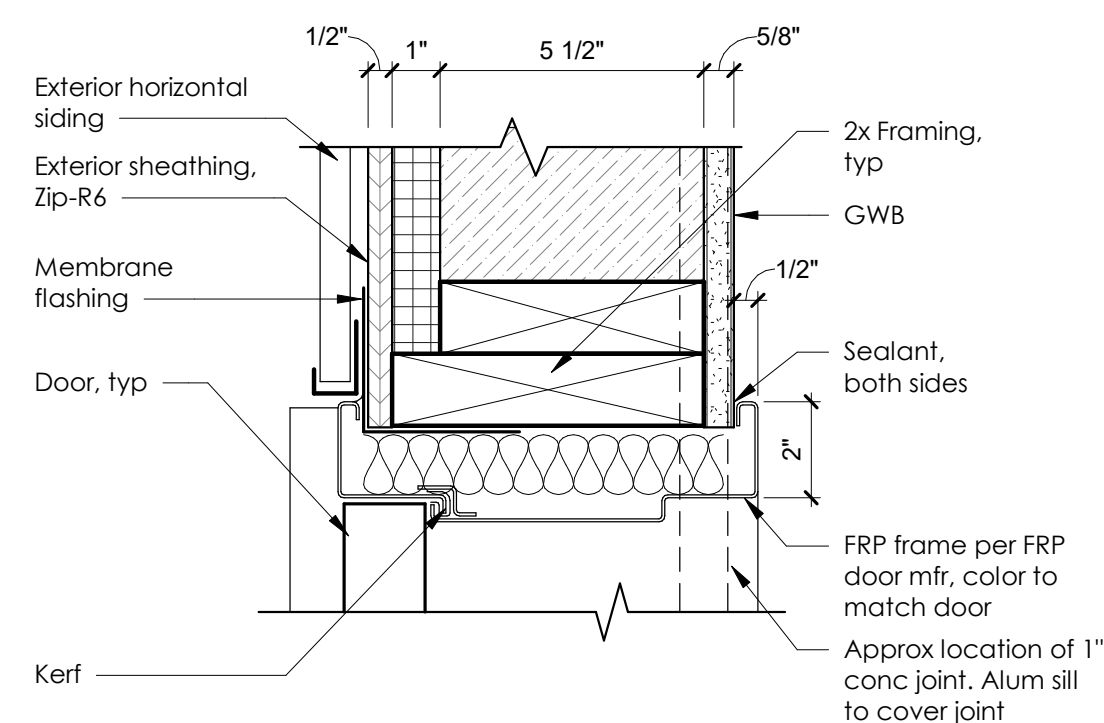


5 Window Flashing Detail - WRB Over Sheathing
NTS

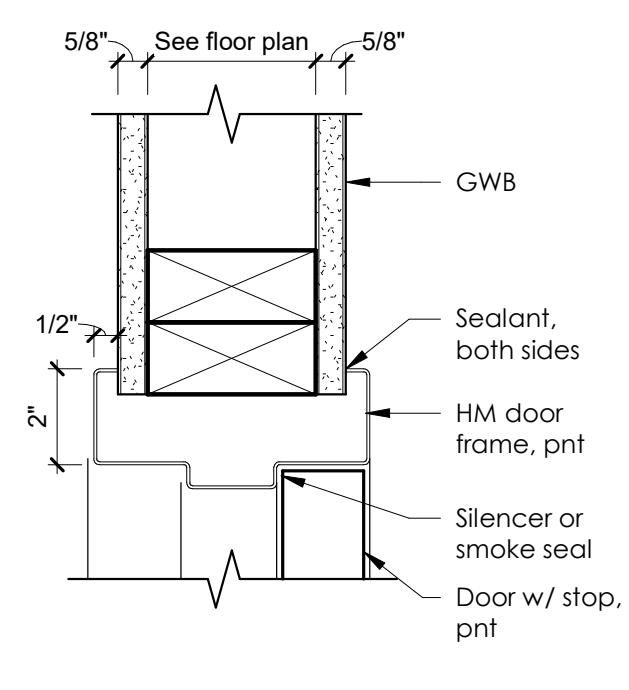
Door Notes	
1.	All doors shall be located 4" off adjacent wall except where noted or dimensioned
2.	All door thicknesses to be 1 3/4" unless noted otherwise
3.	Provide minimum of 20 ga double studs (or double wood stud) at all door jambs.
4.	All floor material transitions shall occur under door in closed position
5.	All door hardware shall meet ADA. Handles, pulls and latches shall be lever style. When sliding doors are fully opened (if specified), operating hardware shall be exposed and usable from both sides.
6.	Provide wall-mounted door stops at all door openings opening against adjacent wall or door. Provide solid blocking at all locations of wall mounted door stops.
7.	Provide floor mounted door stops at all doors where wall stops are not appropriate

Abbreviations		Hardware Abbreviations	
AL	Aluminum	BF	Bifold
Clsr	Closer	DB	Dead Bolt
Ex	Existing	ED	Exit Device w/ Keypad
HM	Hollow Metal	EL	Entry Lock
Hrdwr	Hardware	FP	Flush Pull
Insul	Insulated	MIC	Magnet Ball Catch
Obs	Obscured Glass, Tempered	MP	Multi-Point French Door Lock
Pnt	Paint	PDL	Pocket Door HW, Lock
Pre	Prefinish	PL	Privacy Lock
Smoke	Smoke Seal Frame	PS	Passage Set
Thick	Thickness	RC	Remote Control Opener
Wstrp	Weatherstripping	SC	Screen Porch HW
Wd	Wood	OF	Office Lock
GL	Glazing		
SC	Solid Core		
FG	Fiberglass		

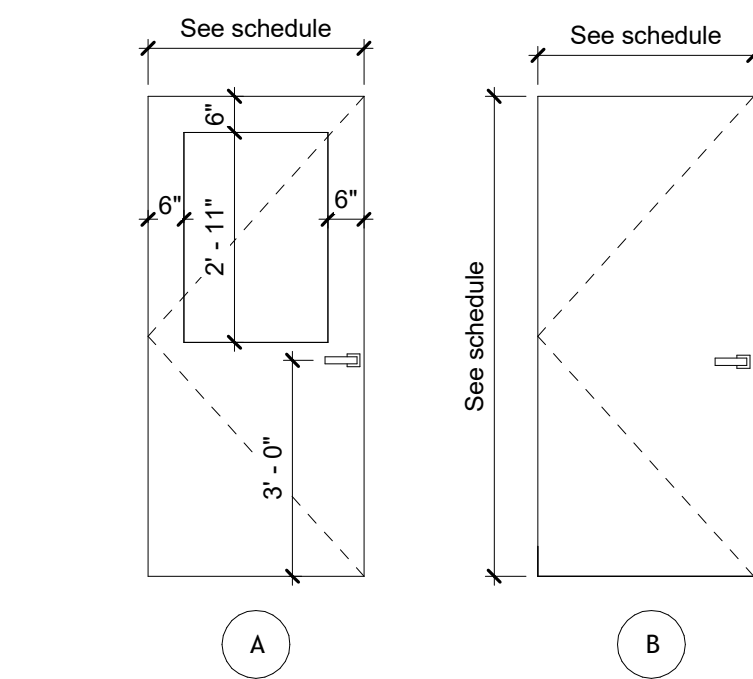
DOOR SCHEDULE																		
No.	Door								Frame				Hardware	Rating	Glazing	Closer	Panic	Comments
	Width	Height	Thick.	Material	Type	Finish	Insulated	Material	Type	Head	Jamb	Threshold						
1-01	3' - 0"	6' - 8"	1 3/4"	FRP	A	Pnt	Yes	FRP	1	4/19	4/19	Alum - ADA	ED		Insul/Temp	Yes	Yes	
1-02	3' - 0"	6' - 8"	1 3/4"	FRP	A	Pnt	Yes	FRP	1	4/19	4/19	Alum - ADA	ED		Insul/Temp	Yes	Yes	
1-03	2' - 6"	6' - 8"	1 3/4"	WD	B	Pnt		HM	2	3/19	3/19		PL					
1-04	3' - 0"	6' - 8"	1 3/4"	WD	B	Pnt		HM	2	3/19	3/19		PL					
1-05	3' - 0"	6' - 8"	1 3/4"	WD	B	Pnt		HM	2	3/19	3/19		PL					
1-06	2' - 6"	6' - 8"	1 3/4"	WD	B	Pnt		HM	2	3/19	3/19		PL					
1-07	3' - 0"	6' - 8"	1 3/4"	WD	B	Pnt		HM	2	3/19	3/19		PS					
1-08	3' - 0"	6' - 8"	1 3/4"	WD	A	Pnt		HM	2	3/19	3/19		PS		Temp		Yes	
1-09	3' - 0"	6' - 8"	1 3/4"	WD	B	Pnt		HM	2	3/19	3/19		OF					
1-10	3' - 0"	6' - 8"	1 3/4"	WD	A	Pnt		HM	2	3/19	3/19		PS		Temp			
1-11	3' - 0"	6' - 8"	1 3/4"	WD	B	Pnt		HM	2	3/19	3/19		OF					
1-12	3' - 0"	6' - 8"	1 3/4"	WD	B	Pnt		WD	2				PDL					
1-13	3' - 0"	6' - 8"	1 3/4"	WD	B	Pnt		HM	2	3/19	3/19		PS					



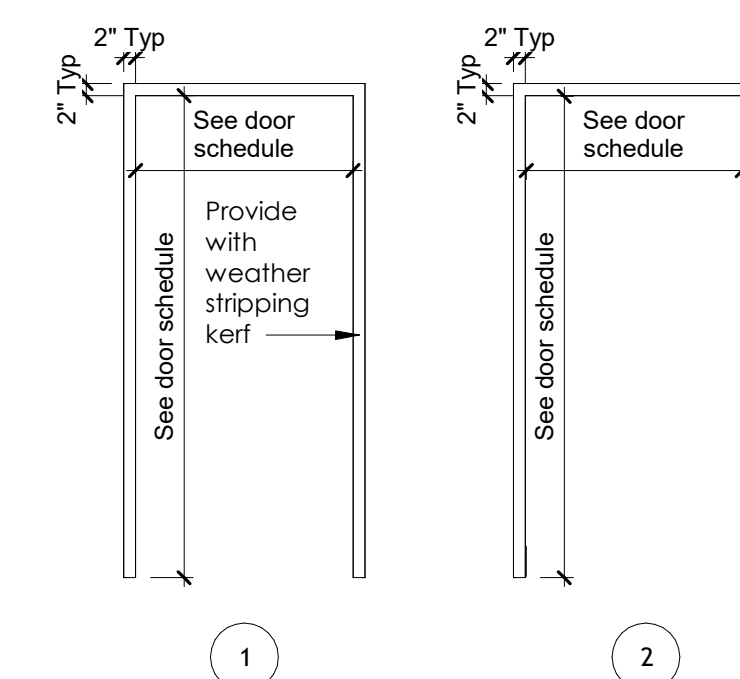
4 Typ Exterior Door Jamb Det (Head Sim)
3" = 1'-0"



3 Door Jamb Det (Head Sim)
3" = 1'-0"



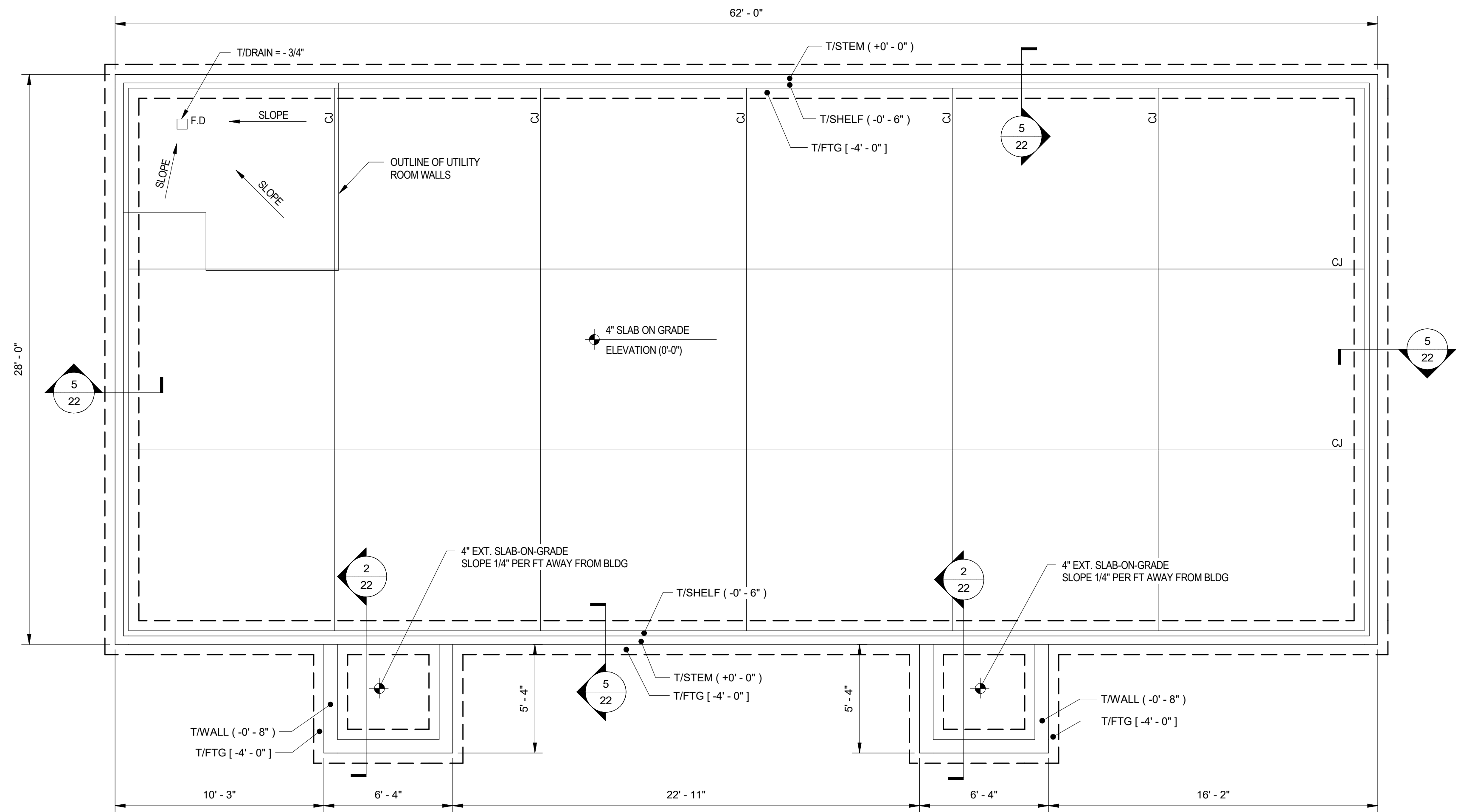
2 Door Types
3/8" = 1'-0"



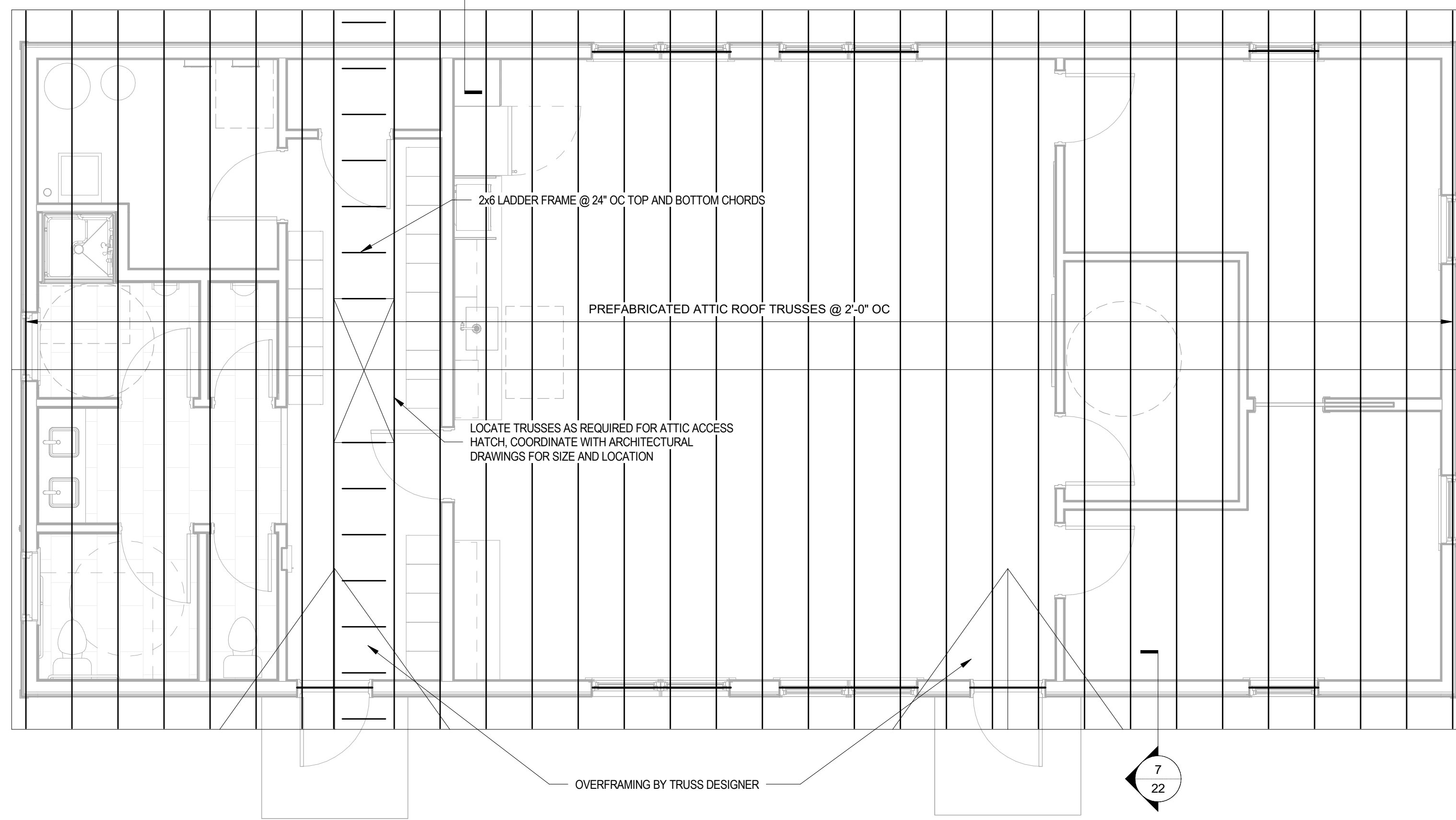
1 Frame Types
3/8" = 1'-0"

FOUNDATION PLAN NOTES

1. REFERENCE TOP OF SLAB-ON-GRADE ELEVATION = 0'-0", COORDINATE WITH CIVIL FOR ACTUAL ELEVATION
2. TOP OF CONCRETE ELEVATIONS ARE NOTED (+/- X'-X") FROM REFERENCE ELEVATION.
3. "CJ" DENOTES CONTROL JOINT LOCATION



① FOUNDATION PLAN
1/4" = 1'-0"

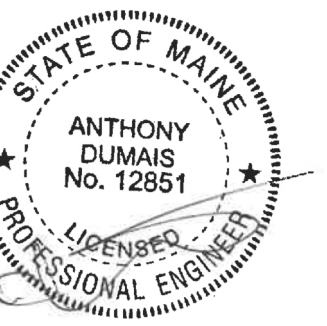


② ROOF FRAMING PLAN
1/4" = 1'-0"

FRAMING NOTES:

1. WALL FRAMING SHALL BE 2x6 @ 24" ON CENTER, ALIGNED WITH ROOF TRUSSES.
2. SEE TYPICAL HEADER DETAIL AND SCHEDULE 6 / 22
3. ALL EXTERIOR WALLS SHALL BE SHEATHED ON ONE SIDE WITH ZIP R6 SHEATHING, NAIL EXTERIOR SHEATHING PANEL EDGES @ 3" O.C. BLOCK AND STAGGER ALL PANEL EDGES. SPACE NAILS AT 12" O.C. AT INTERMEDIATE PANEL SUPPORTS, TYP U.N.O.
4. SEE PREFABRICATED TRUSS NOTES ON STRUCTURAL NOTES SHEET FOR LOADING INFORMATION

STATE OF MAINE DOT
CREW QUARTERS
DIXFIELD, MAINE
WIN 030325.00

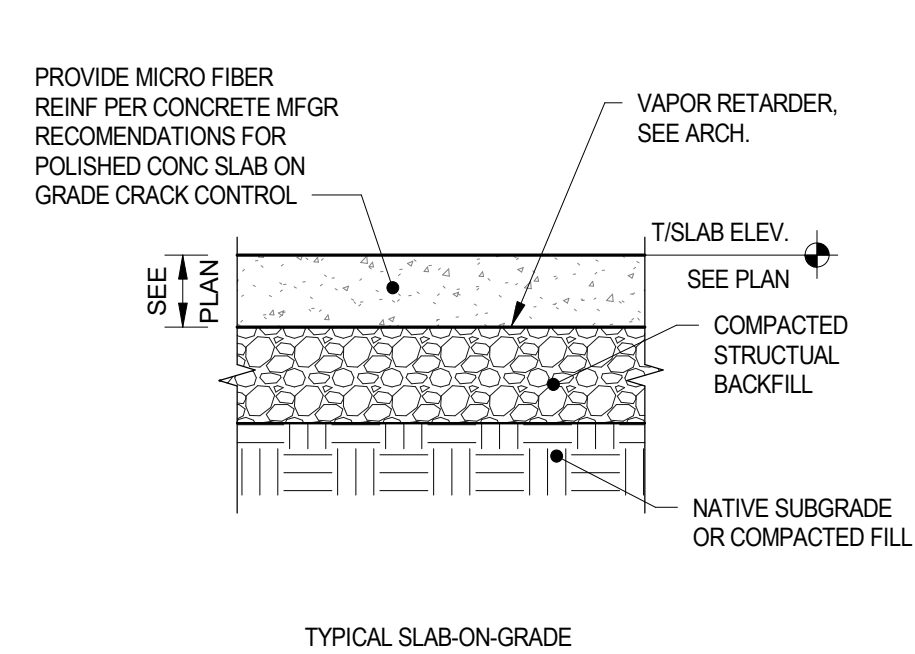


REV	BY	DATE
FOR BID	TD	OCT. 2025

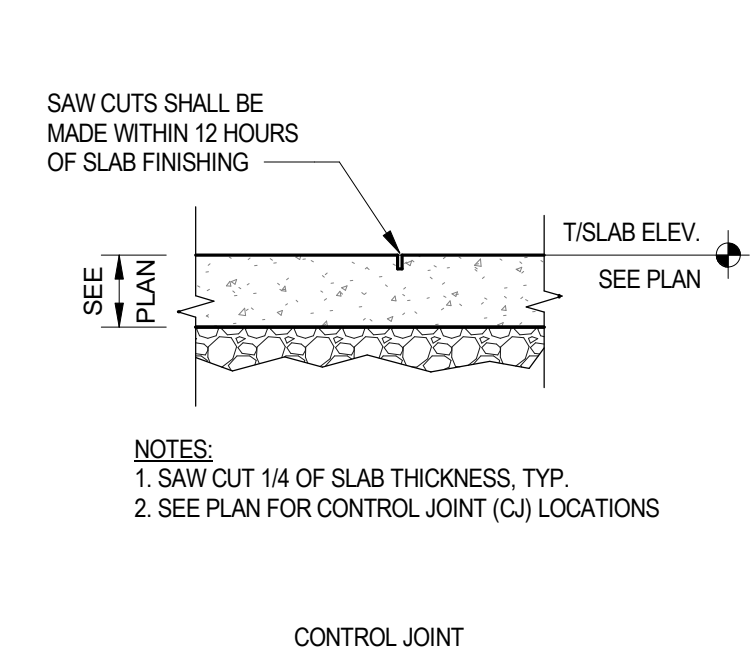
CREW QUARTERS
FOUNDATION & ROOF
FRAMING PLANS

SHEET NUMBER

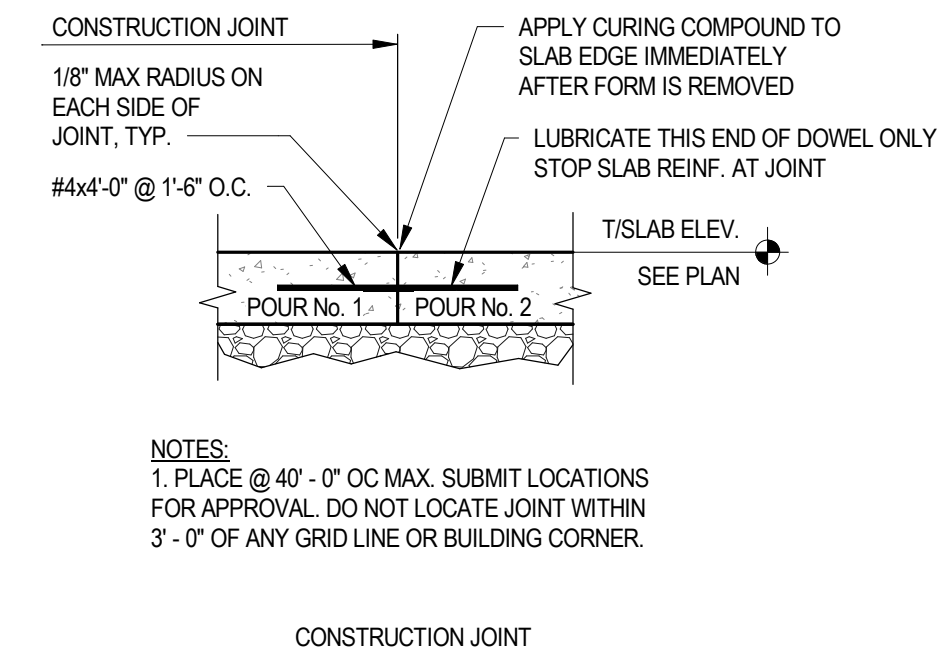
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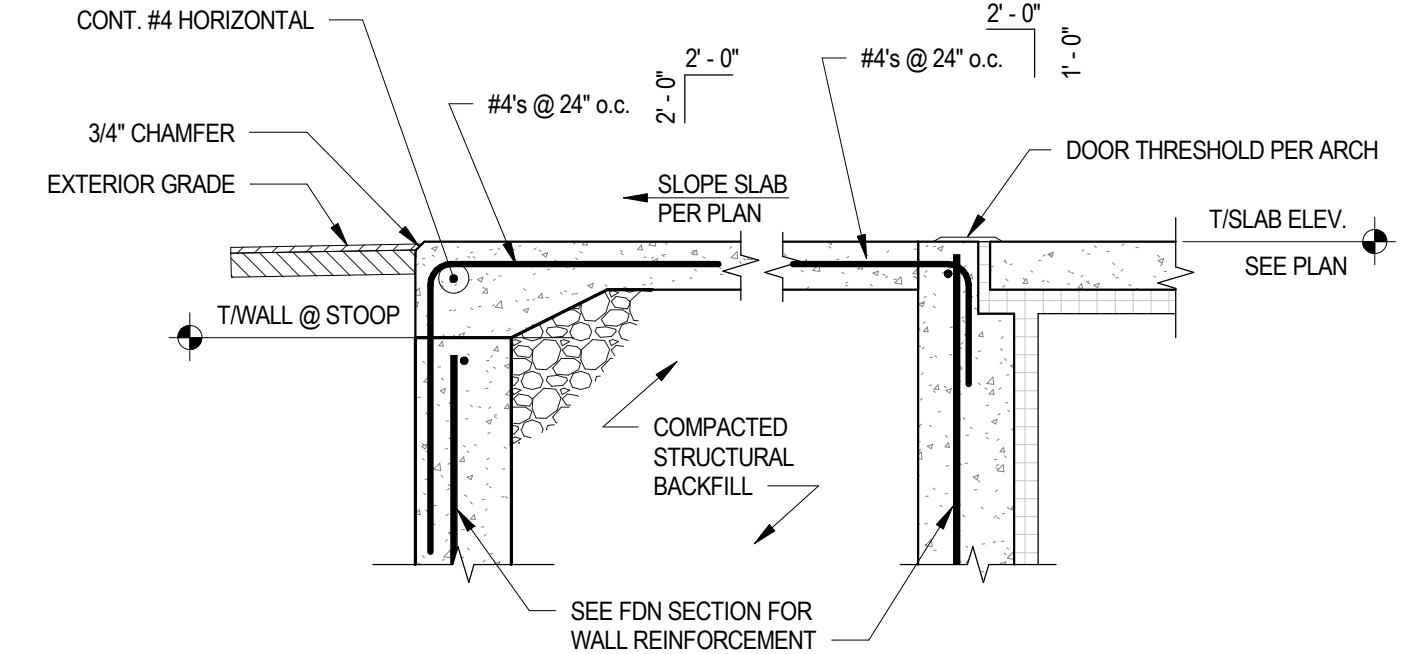
1 TYPICAL SLAB-ON-GRADE DETAILS
NTS



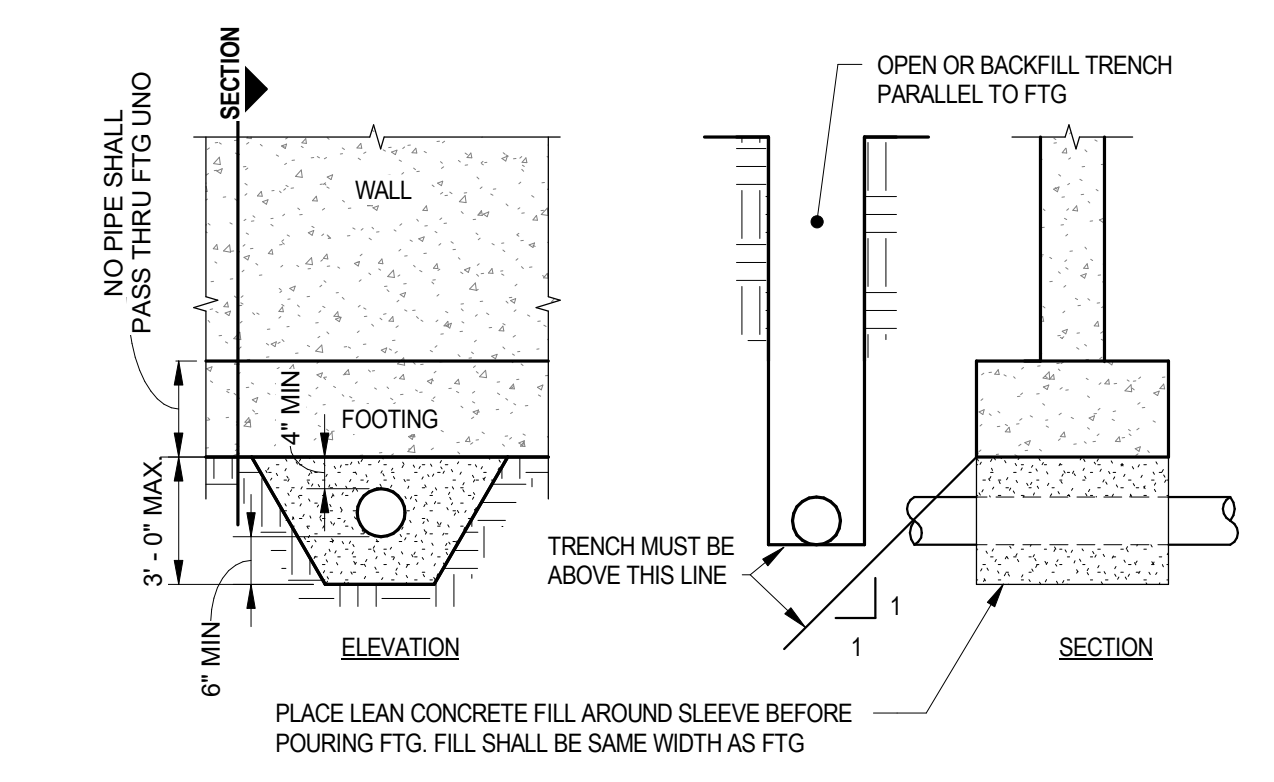
CONTROL JOINT



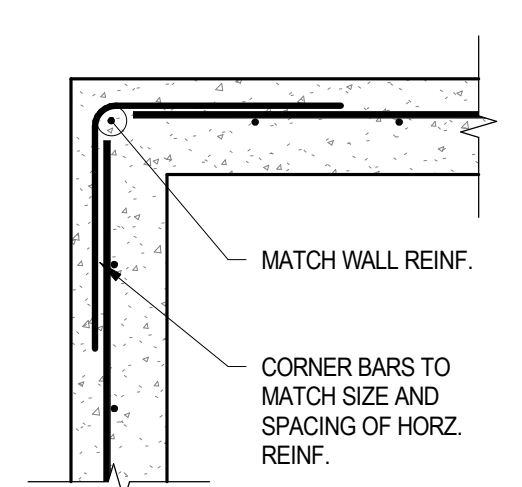
CONSTRUCTION JOINT



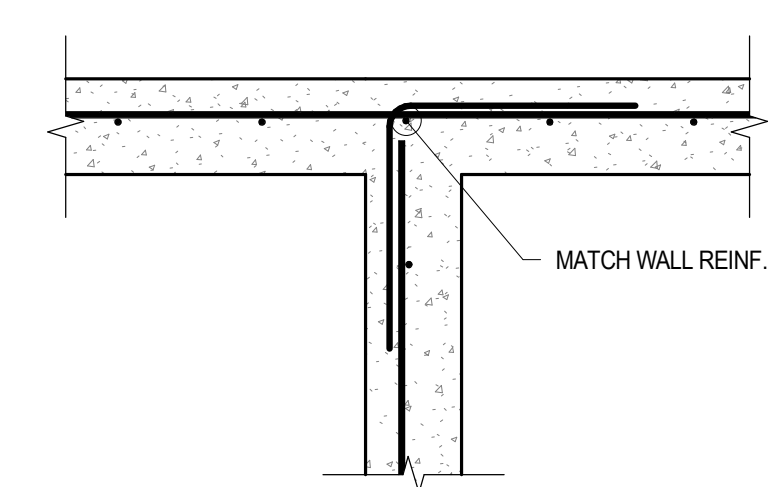
2 TYPICAL SECTION AT STOOP
NTS



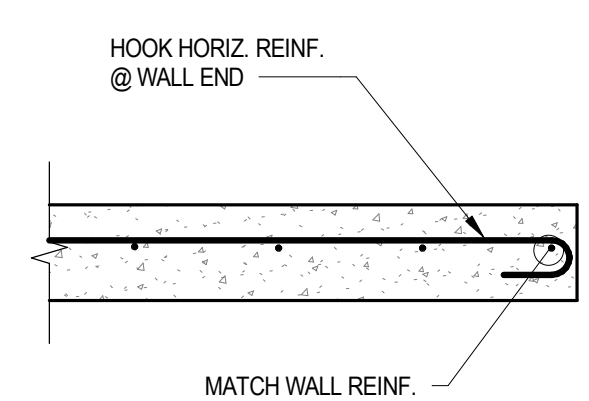
3 TYPICAL UTILITY UNDER FOOTING
NTS



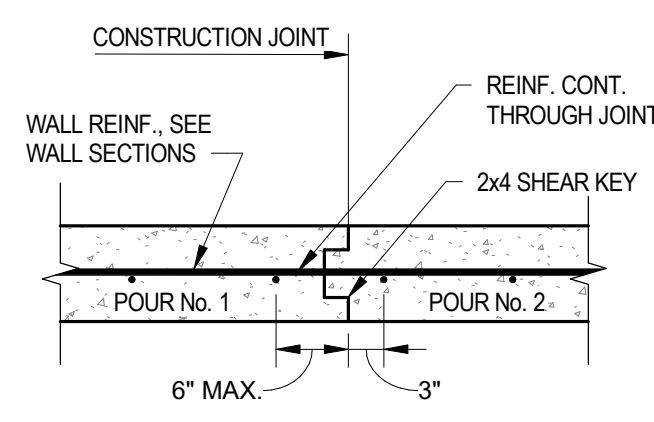
DETAIL @ WALL CORNER
W/ SINGLE ROW OF WALL REINFORCING



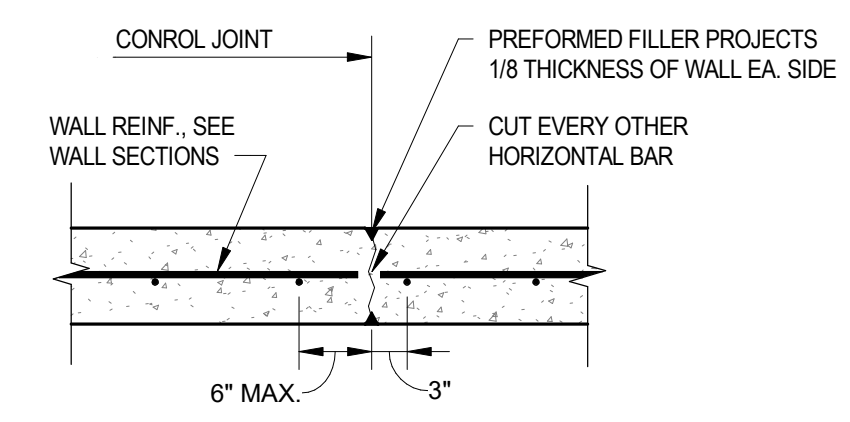
DETAIL @ WALL INTERSECTION
W/ SINGLE ROW OF WALL REINFORCING



DETAIL @ WALL END
W/ SINGLE ROW OF WALL REINFORCING

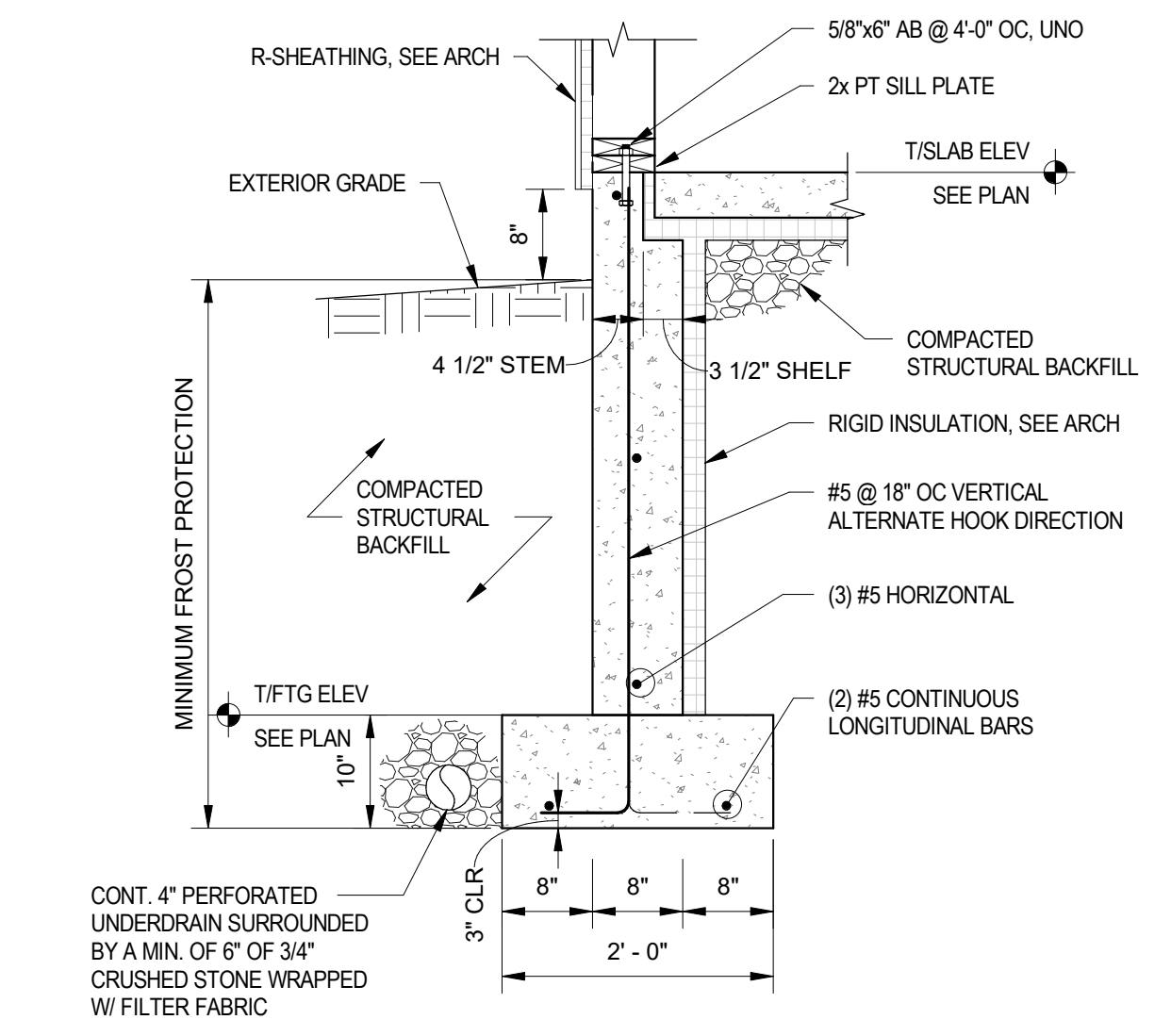


CONSTRUCTION JOINT DETAIL
W/ SINGLE ROW OF WALL REINFORCING

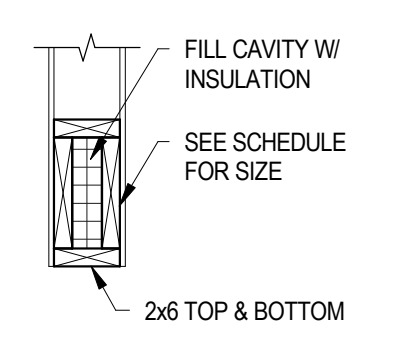


CONTROL JOINT DETAIL
W/ SINGLE ROW OF WALL REINFORCING

4 TYPICAL FOUNDATION WALL DETAILS - SINGLE LAYER OF REINF
NTS



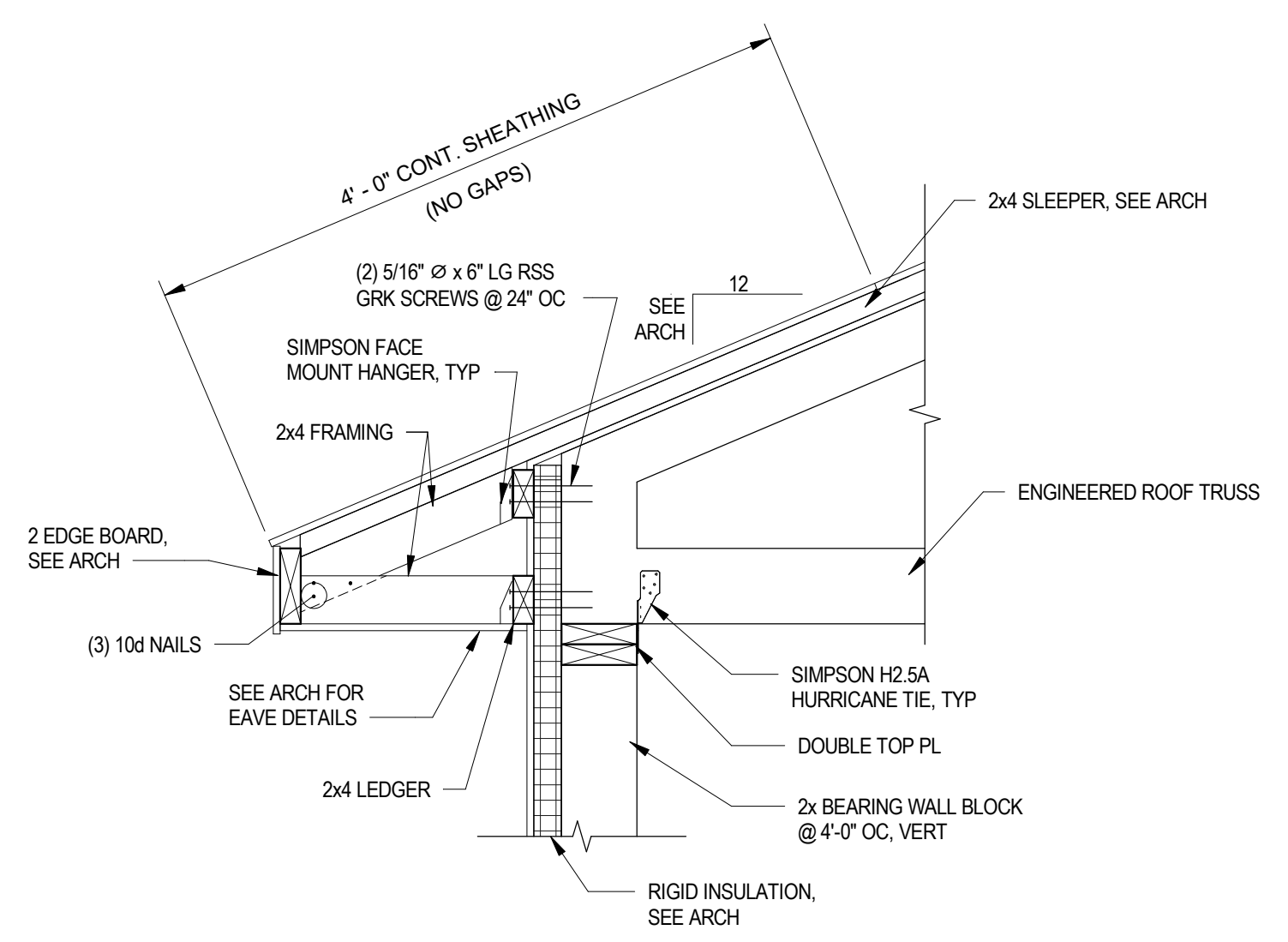
5 TYPICAL FOUNDATION WALL SECTION
NTS



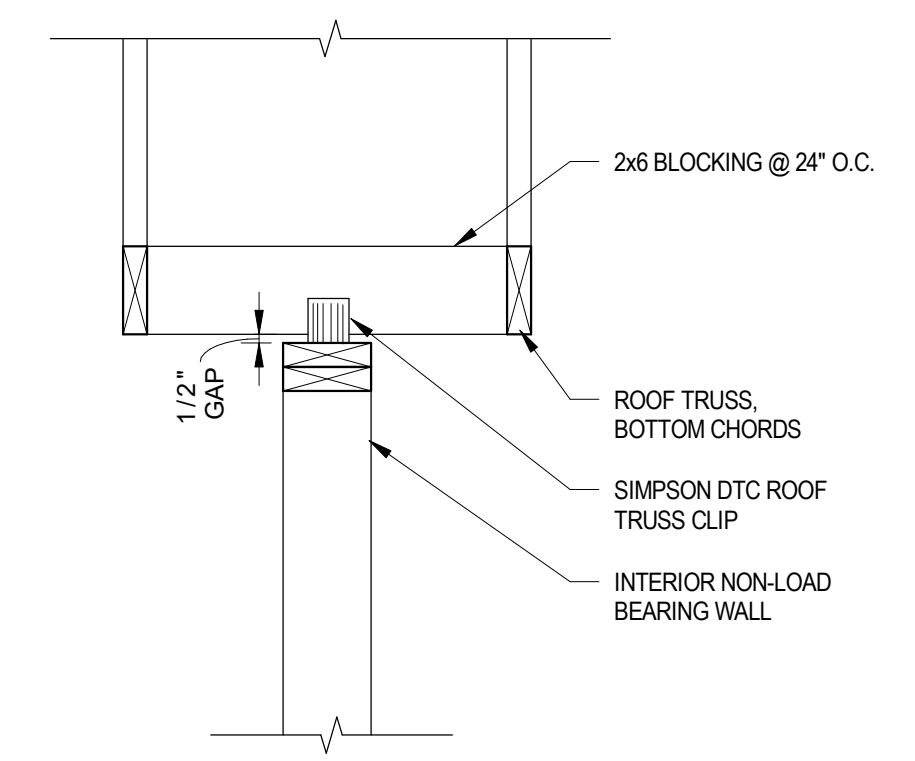
HEADER SPAN	HEADER SIZE	HEADER SUPPORTS
4'-0" MAX	(2) 2x10	(1) JACK, (1) KING
8'-0" MAX	(2) 1 3/4 x 9 1/4 LVL	(2) JACK, (2) KING

- NOTES:
- HEADER SIZES PER SCHEDULE.
 - WHERE OTHER HEADER SIZES ARE NOTED ON PLAN, FORM BOX HEADER W/ (2) 2x6 HORIZ UNO.
 - NON LOAD-BEARING HEADERS SUPPORTED BY MINIMUM OF (1) JACK STUD.
 - WINDOW SILL PLATES EXCEEDING 6 FT SHALL BE (2) 2x (FLAT), MATCH STUD WIDTH.

6 HEADER DETAIL & SCHEDULE
NTS

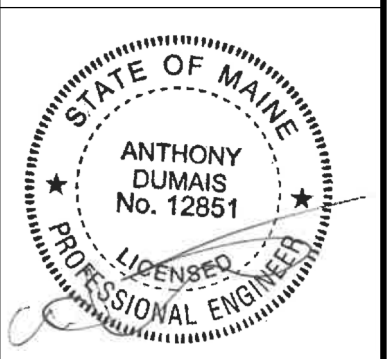


7 TYPICAL ROOF TRUSS END DETAIL
NTS



8 TYPICAL WOOD TRUSS DEFLECTION CLIP
NTS

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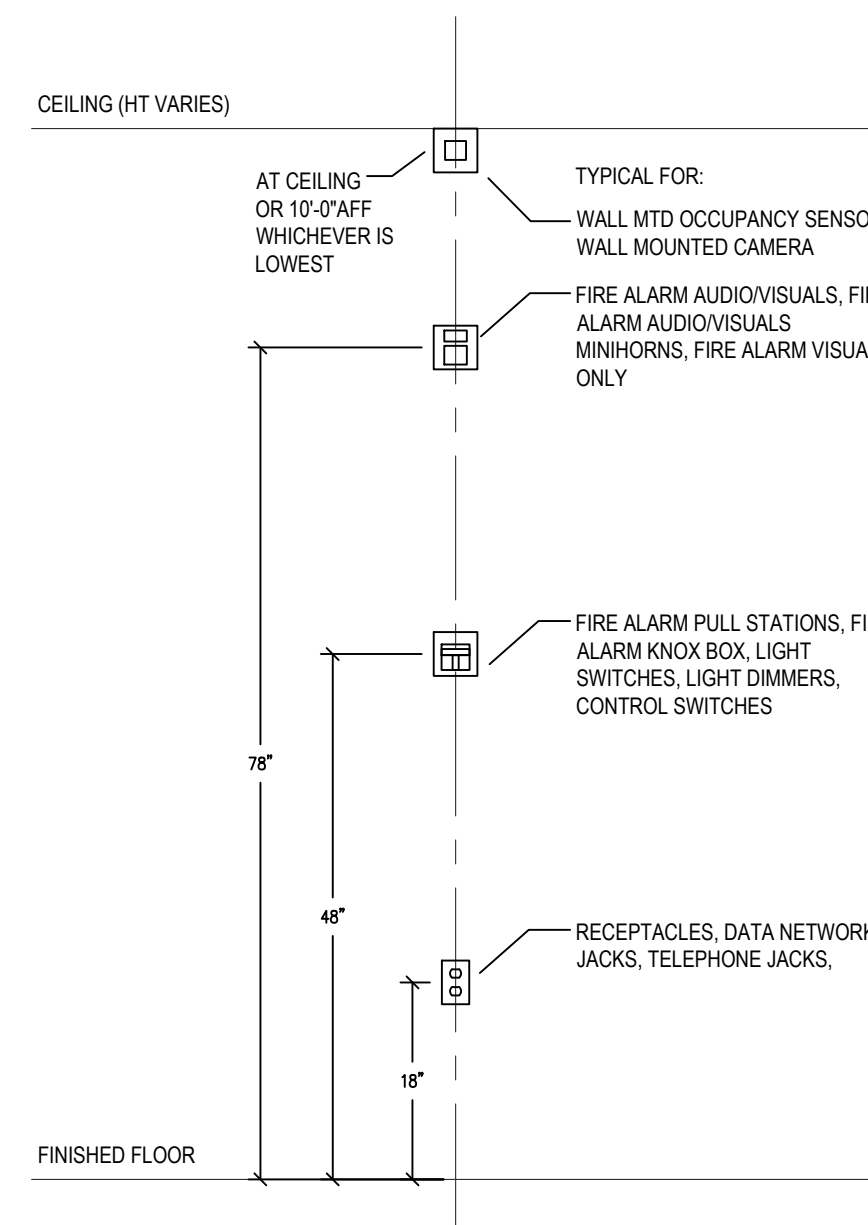
DATE	BY	REV	FOR BID
OCT. 2025	TD		

CREW QUARTERS
STRUCTURAL DETAILS

SHEET NUMBER

GENERAL NOTES

- ALL RECEPTACLES SHALL BE INSTALLED 18" AFF TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
- ALL WIRING SHALL BE COPPER UNLESS DESIGNATED AS "AL". UNLESS OTHERWISE NOTED ALL WIRING SHALL BE 2 #12 AWG AND 1 #12 EQUIPMENT GROUNDING CONDUCTOR. HOMERUNS FED FROM A 20A/1P, 120V CIRCUIT IN EXCESS OF 70' SHALL BE #10 AWG. ALL CONDUCTOR INSULATION FOR BUILDING WIRE SHALL BE THWN/THHN UNLESS NOTED OTHERWISE.
- CONNECT BATTERY BACKED EMERGENCY AND EXIT LIGHTING TO NEAREST LIGHTING CIRCUIT AHEAD OF ANY SWITCHING. CONNECT REMOTE HEADS WITH #10 AWG COPPER CONDUCTORS. AC EXIT FIXTURES SHALL BE CONNECTED TO NEAREST EMERGENCY CIRCUIT OR AS INDICATED.
- TEST ALL EMERGENCY LIGHTING UNITS FOR PROPER OPERATION OF LAMPS AND BATTERIES.
- FUSES AND OVERLOAD UNITS FOR MOTORS SHALL BE SIZED BASED ON ACTUAL MOTOR NAMEPLATE DATA AND IN ACCORDANCE WITH NEC. CIRCUIT BREAKERS FOR MOTORS ARE SUPPLIED AT MAX VALUE PER NEC (2.5 x FLA). SIZE IN THE FIELD IN ACCORDANCE WITH MFR RECOMMENDATION.
- ALL WORK SHALL COMPLY WITH NFPA70, NFPA72, NFPA101 & ALL FEDERAL, STATE & LOCAL REGULATIONS.
- ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN FIRE RATING FOR THE SEPARATION.
- ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
- AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUITS. SIZE IN ACCORDANCE WITH NFPA 70 ARTICLE 250.
- COORDINATE INSTALLATION OF VOICE/DATA OUTLETS WITH OWNER, MIS OR COMMUNICATIONS CONTRACTOR.
- LOCATE DISCONNECTS AT EQUIPMENT AS REQUIRED BY MANUFACTURER. LOCATIONS ON DRAWINGS ARE APPROXIMATE.
- PROVIDE RISER OR PLENUM RATED CABLES ABOVE SUSPENDED CEILINGS.
- THE CONTRACTOR SHALL SET ALL ELECTRONIC BREAKERS TO SPECIFIED TRIP SETTINGS BEFORE ENERGIZING EQUIPMENT.
- PROVIDE EXPANSION FITTINGS FOR ALL UNDERGROUND RACEWAYS ENTERING ENCLOSURES ATTACHED TO FIXED STRUCTURES.
- OUTDOOR RECEPTACLE COVERS SHALL COMPLY WITH NFPA 70 - ARTICLE 406.9.
- PROVIDE LABEL ON SERVICE EQUIPMENT INDICATING AVAILABLE SHORT CIRCUIT CURRENT OBTAIN VALUES FROM ENGINEER.
- PROVIDE ARC FAULT LABELS PER NFPA 70-ARTICLE 110.24
- COORDINATE THE EXACT LOCATION AND MOUNTING HEIGHT OF MINI SPLIT OUTDOOR CONDENSING UNIT (SCU) WITH CONTRACTOR. PROVIDE A WEATHERPROOF DISCONNECT SWITCH FOR CU UNIT, COORDINATE LOCATION WITH MECHANICAL CONTRACTOR. COORDINATE THE EXACT LOCATION AND MOUNTING HEIGHT OF EACH MINI SPLIT INDOOR UNIT (SAC). PROVIDE A 30A/2P DISCONNECT SWITCH FOR EACH UNIT, COORDINATE LOCATION WITH MECHANICAL CONTRACTOR. SAC UNITS SHALL BE POWERED FROM THEIR CORRESPONDING CU UNIT, PROVIDE EMT 1" CDT WITH PULL STRING FROM SAC UNIT TO CU UNIT FOR MECHANICAL CONTRACTOR'S USE. PROVIDE POWER WIRING FROM SCU TO PANEL P1.
- FOR RECEPTACLES INDICATED BY "SW", CONNECT THE TOP HALF OF RECEPTACLE TO WALL SWITCH AS SHOWN, BOTTOM HALF TO REMAIN "HOT" AT ALL TIMES.
- MOUNT RECEPTACLE FOR MICROWAVE/HOOD COMBO ABOVE RANGE AT 66" AFF. COORDINATE EXACT LOCATION AND MOUNTING WITH KITCHEN INSTALLER.
- VERIFY MOUNTING AND LOCATION OF ALL DISCONNECT SWITCHES AND MANUAL MOTOR STARTERS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.



- NOTES:
- DEVICES SHALL BE MOUNTED AT ELEVATIONS INDICATED ABOVE UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS, IN SYMBOLS SCHEDULE OR DIRECTED BY ARCHITECT.
 - WIRING DEVICES (DATA NETWORK JACKS, RECEPTACLES, ETC.) SHOWN SIDE BY SIDE ELECTRICAL PLANS SHALL BE MOUNTED IN A SINGLE BOX AND FACEPLATE.
 - LIGHTING SWITCHES AND DIMMERS SHOWN SIDE BY SIDE ON ELECTRICAL PLANS SHALL BE MOUNTED IN A SINGLE BOX AND FACEPLATE.
 - LOCATIONS OF ELECTRICAL DEVICES AND LIGHTING SWITCHES/DIMMERS ARE SHOWN SCHEMATICALLY ON ELECTRICAL PLANS. ALIGN DEVICES SHOWN ADJACENT TO ONE ANOTHER ON ELECTRICAL PLANS VERTICALLY AS SHOWN ABOVE.
 - MOUNTING HEIGHTS INDICATED ARE TO CENTERLINE OF DEVICE.

1 **DEVICE ALIGNMENT DETAIL**
SCALE: NONE

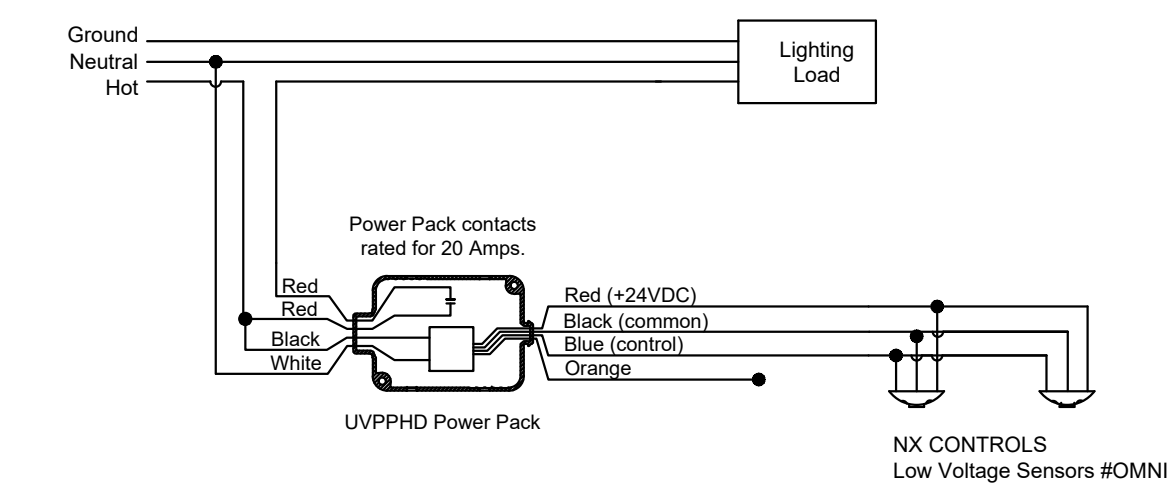
SYMBOL LEGEND

POWER SYMBOLS

- ELECTRICAL PANELBOARD, SEE DRAWING FOR DETAILS
- CONTROL PANEL, SEE DRAWING FOR DETAILS
- RH JUNCTION BOX
RH = RANGE HOOD
OH = OVERHEAD DOOR
- TAMPER-PROOF, DUPLEX RECEPTACLE, 20A, 125V, SPEC GRADE, GROUNDING TYPE, FLUSH MOUNTED IN FLOOR, PROVIDED W/MATCHING FACEPLATE.
- POP UP COUNTER RECEPTACLE 15A, 125V, TAMPER RESISTANT, FLUSH COUNTER MOUNTED, UL LISTED FOR COUNTERTOP INSTALLATION PROVIDED W/MATCHING FACEPLATE, HUBBELL #RCT200W, OR EQUAL
- DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF UNLESS NOTED OTHERWISE.
"AC" - MOUNTED WITHIN 6" OF COUNTERTOP
"SW" - DENOTES SWITCHED OUTLET
"NL" - EQUIPPED WITH NIGHTLIGHT LEGRAND #NTL85TRIC6 OR EQUAL
- DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF, BOTTOM RECEPTACLE SWITCHED.
- QUAD RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF UNLESS NOTED OTHERWISE.
- DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE DEDICATED FOR MICROWAVE USE. MOUNT RECEPTACLE AT 48" AFF.
- DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE DEDICATED FOR REFRIGERATOR. MOUNT RECEPTACLE AT 48" AFF.
- GFCI RATED, TAMPER-PROOF, DUPLEX RECEPTACLE 20A, 125V, SPEC GRADE, GROUNDING TYPE, FLUSH MOUNTED, PROVIDED W/MATCHING FACEPLATE
AC = MOUNTED W/IN 6" OF COUNTERTOP
WP = WEATHERPROOF RECEPTACLE W/IN AN IN-USE WEATHER-PROOF COVER
- 30A SIMPLEX RECEPTACLE, 30A, 125V, SPEC GRADE, GROUNDING TYPE, FLUSH MOUNTED, PROVIDED W/MATCHING FACEPLATE
- 50A SIMPLEX RECEPTACLE, 30A, 125V, SPEC GRADE, GROUNDING TYPE, FLUSH MOUNTED, PROVIDED W/MATCHING FACEPLATE
- DISCONNECT SWITCH, SIZE AND NUMBER OF POLES AS INDICATED ON DRAWING. PROVIDED BY EC UNLESS NOTED OTHERWISE. PROVIDE FUSES WHERE RECOMMENDED BY MANUFACTURER.

TELECOMMUNICATIONS SYMBOLS

- DUAL DATA JACK W/CAT 6 CABLE RUN BACK TO IDF ENCLOSURE IN ELECTRICAL ROOM. PROVIDE (1) 3/4" CONDUIT WITH PULL STRING FROM LOCATION OF JACK AND STUB OUT ABOVE CEILING IN ATTIC. MOUNT 18" AFF UNLESS OTHERWISE NOTED
- WIFI ROUTER CONNECTION, TELECOM JACK W/CAT 6 CABLE RUN BACK TO TBB, MOUNT ABOVE CEILING OR AT 12" BELOW CEILING AS DIRECTED BY ARCHITECT



2 **LIGHTING CONTROL WIRING DETAILS**
SCALE: NONE

LIGHTING SYMBOLS

- LIGHTING FIXTURES, LETTERS DENOTE TYPE PER LIGHTING FIXTURE SCHEDULE.
- SELF CONTAINED EMERGENCY LIGHT, EVENLITE TCS-W-L67
- UNIVERSAL MOUNTED EXIT LIGHT SIGN, EVENLITE TLX-EM-GU-W

LIGHTING CONTROL SYMBOLS

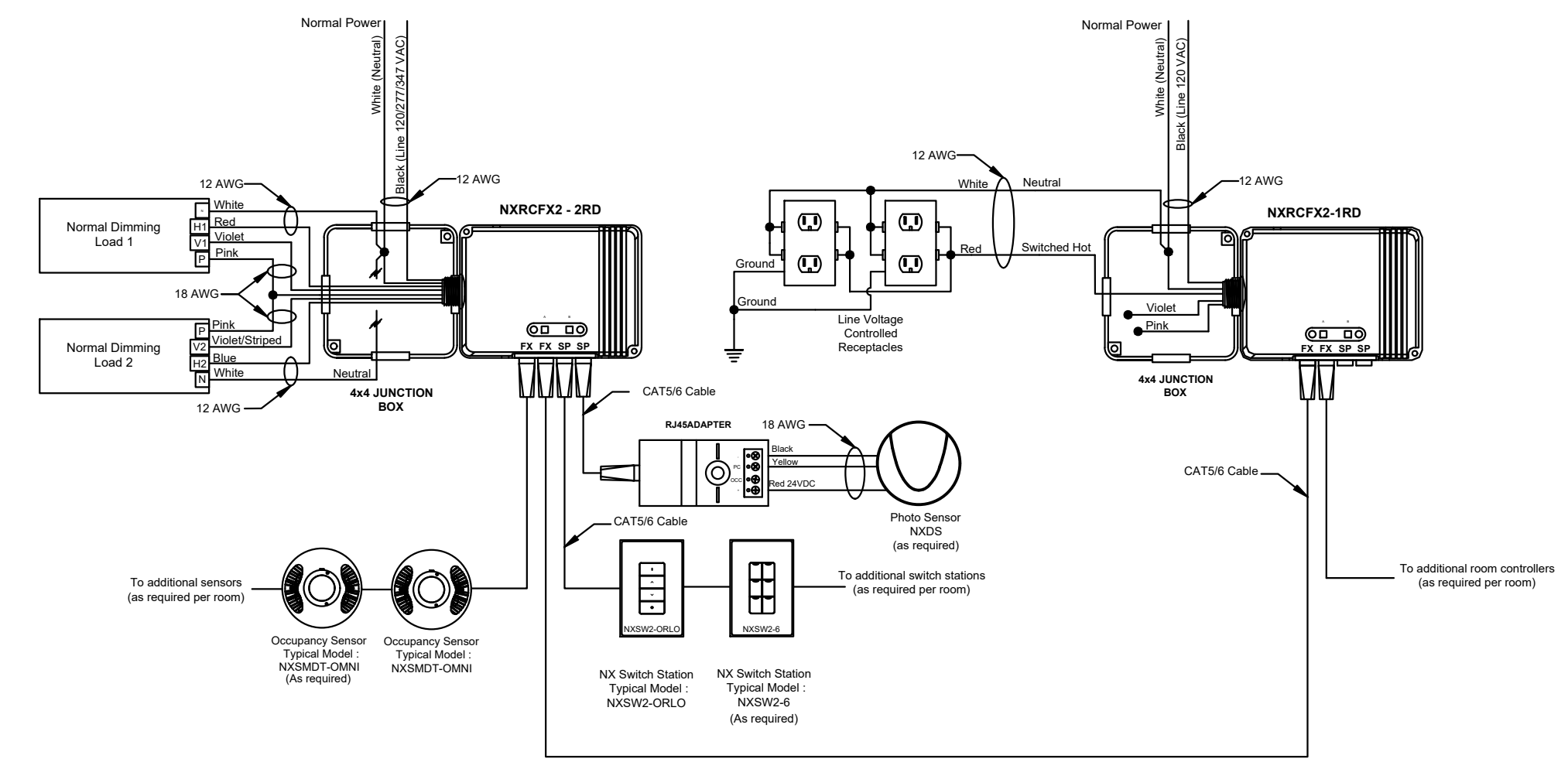
- MOTION SENSOR SWITCH - NX #LHMTS1
- MOTION SENSOR DIMMING SWITCH - NX #LHRDMMS2
- LOW VOLTAGE SWITCH - NX #SW2-00
- LOW VOLTAGE SWITCH - NX #OMNID2000

FIRE ALARM SYMBOLS

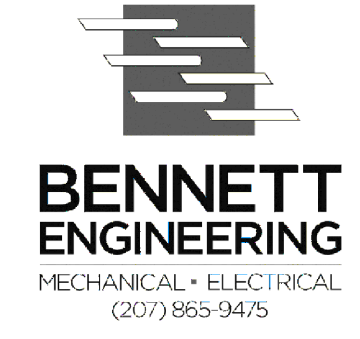
- SYSTEM CONNECTED FIRE ALARM AUDIO/VISUAL, MOUNT 6"-8" AFF, NUMBER INDICATES CANDELA RATING, 'MH' INDICATES MINIHORN 'LF' INDICATES LOW FREQUENCY
- SYSTEM CONNECTED FIRE ALARM PULL STATION, MOUNT 48" AFF
- SYSTEM CONNECTED FIRE ALARM VISUAL STROBE ONLY, FLUSH MOUNT 6'-8" AFF, NUMBER INDICATED CANDELA RATINGS
- SYSTEM CONNECTED FIXED TEMPERATURE HEAT DETECTOR
- SYSTEM CONNECTED SMOKE DETECTOR, PHOTOELECTRIC TYPE
- SYSTEM CONNECTED CARBON MONOXIDE DETECTOR
- 120V LOCAL UNIT SMOKE DETECTOR, PHOTOELECTRIC TYPE
- 120V LOCAL UNIT COMBINATION SMOKE/CARBON MONOXIDE DETECTOR, PHOTOELECTRIC TYPE
- GAS DETECTOR
- FIRE ALARM KNOX BOX
- FIRE ALARM CONTROL PANEL

WIRING SYMBOLS

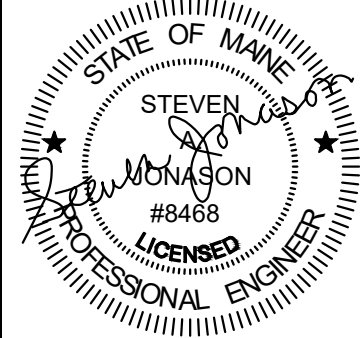
- RACEWAY & WIRING OR MC CABLE RUN CONCEALED IN WALLS/CEILINGS
 - RACEWAY & WIRING RUN EXPOSED
 - RACEWAY & WIRING RUN CONCEALED UNDER FLOOR OR BURIED 30" BELOW FINISH GRADE
 - HOME RUN TO PANEL, WITH PANEL AND CIRCUIT NUMBER
- BRANCH CIRCUIT WIRING SHALL CONSIST OF (1)1/2"C-2#12AWG+1#12GND UNLESS OTHERWISE NOTED. (*ASTERISK DENOTES #10AWG FOR ALL CIRCUITS CONTAINED IN HOME RUN. (**)DOUBLE ASTERISK DENOTES (1)3/4"C-2#8AWG+1#10GND.
- PROVIDE EQUIPMENT GROUNDS IN ACCORDANCE WITH NFPA 70, ARTICLE 250.



- PROVIDE ROOM CONTROLLERS (HUBBELL #NXRCFX2) WITH QUANTITY OF ZONES AS REQUIRED FOR EACH RESPECTIVE ROOMAREA AS NOTED ON THE FLOOR PLANS.
- ALL ROOM CONTROLLERS WITHIN AN AREA SHALL BE INTERCONNECTED WITH THE INTENT FOR ALL CONTROLLERS TO FUNCTION SIMULTANEOUSLY. REFER TO FLOOR PLANS FOR ZONE QUANTITIES.
- PROVIDE COMPONENTS AND INTERCONNECTING WIRING NECESSARY FOR A COMPLETE AND WORKING SYSTEM. THE WIRING DIAGRAMS SHOWN HEREIN IS SHOWN FOR REFERENCE ONLY. SHOP DRAWING SUBMISSION SHALL INCLUDE A COMPLETE ONE LINE DIAGRAM SHOWING ALL COMPONENTS AND WIRING REQUIRED BY THE MANUFACTURER.
- REFER TO FLOOR PLANS FOR QUANTITIES, LOCATIONS AND TYPES FOR ALL DEVICES. DEVICES SHOWN WITHIN DETAIL ARE FOR REFERENCE ONLY.



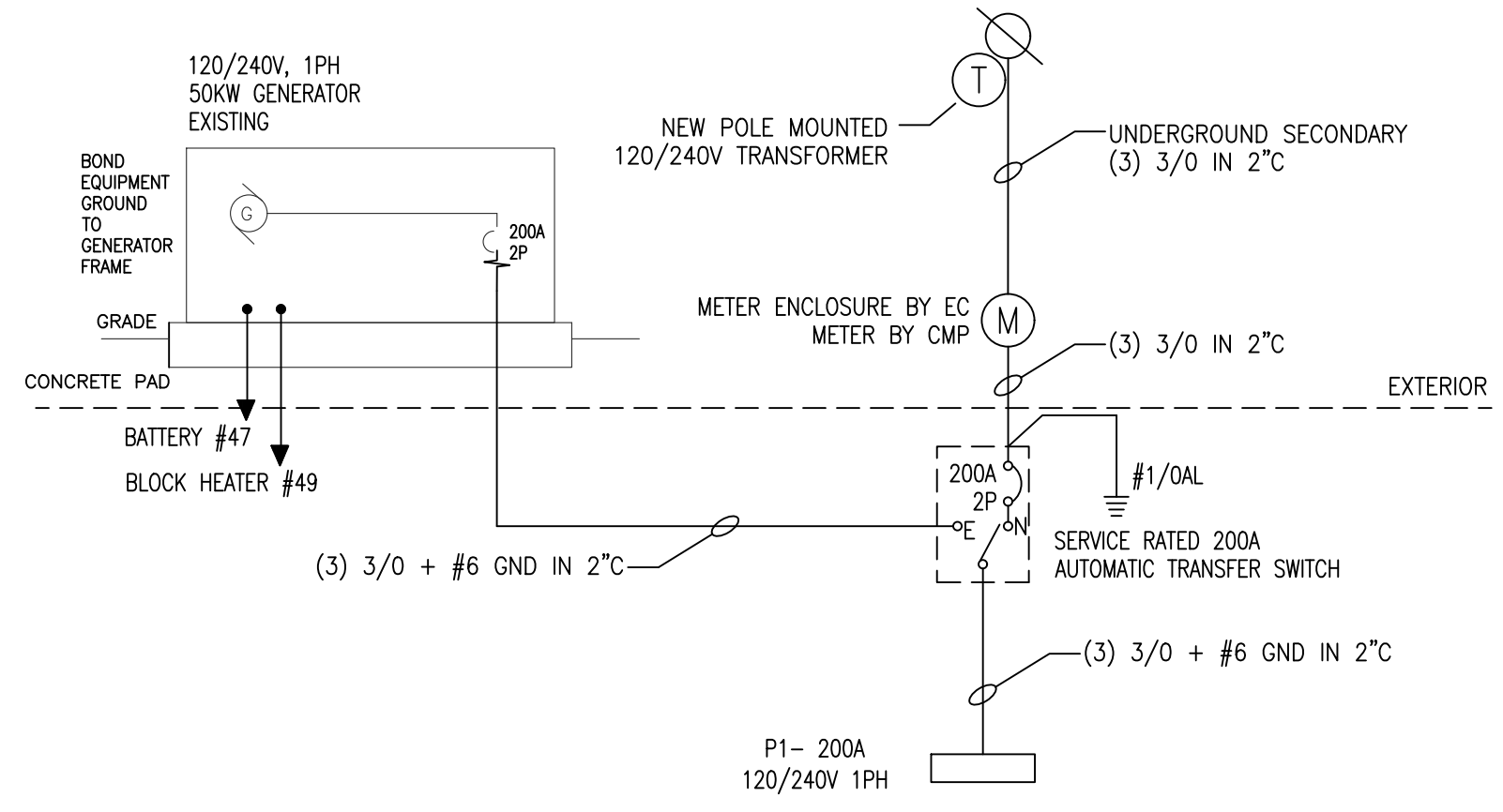
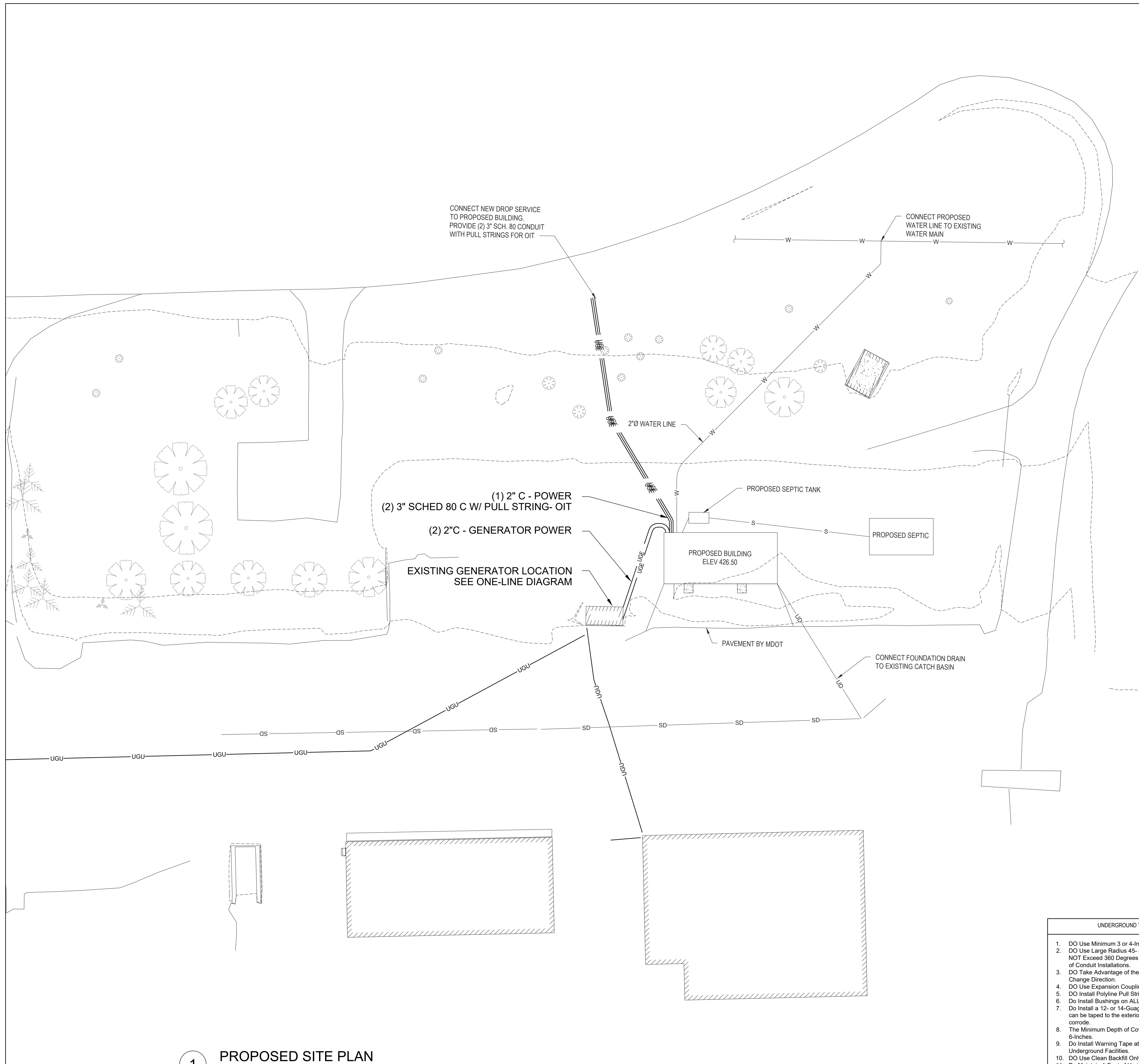
STATE OF MAINE DOT
CREW QUARTERS
DIXFIELD, MAINE
WIN 030325.00



DATE	OCT. 2025	ME-8468			
BY	MAA	PE NUMBER		OCT 2025	DATE
FOR BID					

MDOT CREW QUARTERS
DIXFIELD, MAINE
ELECTRICAL COVER SHEET

SHEET NUMBER



2 ONE LINE DIAGRAM
NOT TO SCALE

EXISTING	DESCRIPTION	PROPOSED
●	MONUMENT	□
●	IRON REBAR/ROD/PIPE, LOCATED BY TEG	○
●	IRON REBAR/ROD/PIPE, LOCATED BY OTHERS	
---	STREET LINE	---
---	LOT SETBACKS	---
---	PROPERTY LINE	---
---	ABUTTER LINE	---
---	"NO CUT" BUFFER	---
---	WETLANDS	---
---	EDGE OF ROAD/TRAVELED WAY	---
TP #9	SOIL TEST PIT	
---	CONTOUR	---
SP	SPOT GRADE	
⊗	GAS SHUT-OFF	
UP	UTILITY POLE	UP
OHU	OVERHEAD UTILITIES	OHU
UGU	UNDERGROUND ELECTRICAL	UGU
□	ELECTRICAL TRANSFORMER	□
⊕	FIRE HYDRANT	⊕
W	WATER LINE	W
WG	WATER GATE	WG
S	SEWER LINE	S
SMH	SEWER MANHOLE	SMH-1
DMH	DRAINAGE MANHOLE	DMH-1
CB	CATCH BASIN	CB-1
SD	STORMDRAIN	SD
UD	UNDERDRAIN	UD
---	SILT FENCE	---
---	TEMP. STONE CHECK DAM	---
---	GRADING AND FLOW DIRECTION	---
---	HAY BALES	---
---	EROSION CONTROL BLANKET	---
---	STORMWATER BOUNDARY	---
---	FACE OF LEDGE OUTCROP	---
---	DECIDUOUS TREE	---
---	CONIFEROUS TREE	---
---	TREE LINE	---
---	SITE LIGHTING	---
---	STONE WALL	---

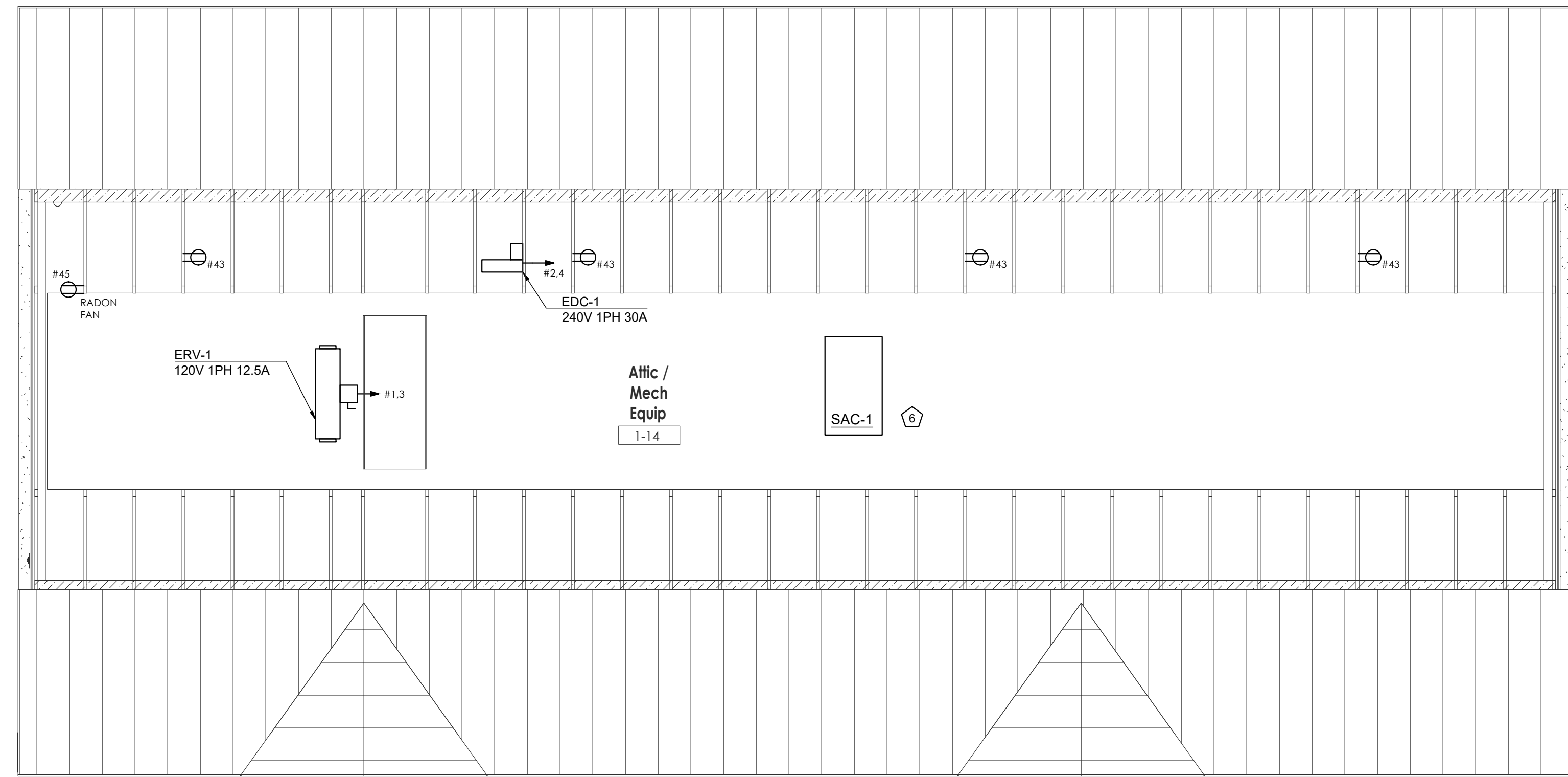
- UNDERGROUND TELECOM SERVICE REQUIREMENTS
- DO Use Minimum 3 or 4-Inch Schedule 80 PVC Conduit.
 - DO Use Large Radius 45- or 90-Degree Sweeps, DO NOT Use Elbows. DO NOT Exceed 360 Degrees of Bend in the Inaccessible/Underground Sections of Conduit Installations.
 - DO Take Advantage of the Flexibility of 10-Foot Conduit Sections to Gradually Change Direction.
 - DO Use Expansion Couplings at Stub Up Locations.
 - DO Install Polyline Pull String or Mule Tape to Pre-Rope the Conduit(s).
 - DO Install Bushings on ALL Conduit Ends
 - DO Install a 12- or 14-Gauge Tracer Wire of TYPE MTW Only. The Tracer Wire can be taped to the exterior of the Conduit. DO NOT Use Type THHN it will corrode.
 - The Minimum Depth of Cover Over Communications Conduits Shall be 3-Feet 6-Inches.
 - DO Install Warning Tape at a Depth of 1-Foot, Indicating the Presence of Underground Facilities.
 - DO Use Clean Backfill Only Per NFPA 70 NEC 300.5(F).
 - DO Maintain 1-Foot of Horizontal Separation Between Communications Conduits and Conduits containing Electrical Power Conductors.
 - DO Consider the Installation of Warning Signs Indicating Buried Underground Cables

1 PROPOSED SITE PLAN
1" = 30'

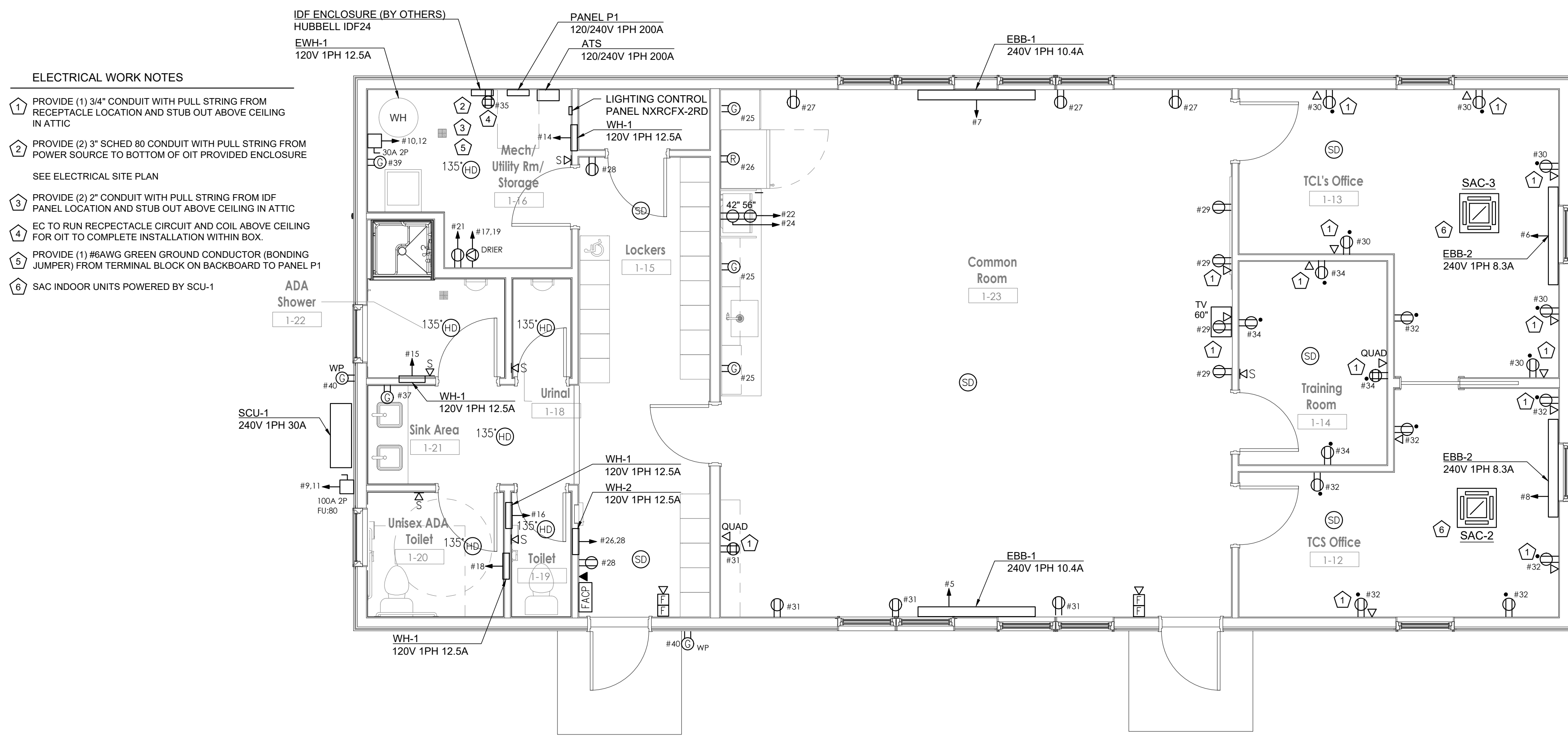
PANEL P1 120/240 1PH 3W 200 AMP MCB 65K AIC NEMA TYPE 1 (SURFACE)															
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA
1	ERV-1	15	2	3	1.00	3	312	2	EDC-1	30	2	21	1.00	21	2520
2	EBB-1	20	1	10	1.00	10	1248	3	EBB-2	20	1	8	1.00	8	996
3	EBB-1	20	1	10	1.00	10	1248	4	EBB-2	20	1	8	1.00	8	996
4	SCU-1	80	2	50	1.00	50	6000	5	EBB-2	20	1	8	1.00	8	996
5	WH-2 (ENTRANCE)	20	1	13	1.00	13	1500	6	EBB-2	20	1	8	1.00	8	996
6	WH-1 (TOILET)	20	1	13	1.00	13	1500	7	EBB-2	20	1	8	1.00	8	996
7	DRYER	20	2	15	1.00	15	1800	8	EBB-2	20	1	8	1.00	8	996
8	DRYER	20	2	15	1.00	15	1800	9	EBB-2	20	1	8	1.00	8	996
9	WASHER	20	1	12	1.00	12	1440	10	EBB-2	20	1	8	1.00	8	996
10	REFRIGERATOR	20	1	6	1.00	6	720	11	EBB-2	20	1	8	1.00	8	996
11	COUNTERTOP RECEPTACLES	20	1	6	1.00	6	720	12	EBB-2	20	1	8	1.00	8	996
12	COMMON ROOM RECEPTACLES	20	1	6	1.00	6	720	13	EBB-2	20	1	8	1.00	8	996
13	COMMON ROOM RECEPTACLES	20	1	6	1.00	6	720	14	EBB-2	20	1	8	1.00	8	996
14	COMMON ROOM RECEPTACLES	20	1	2	1.00	2	240	15	EBB-2	20	1	8	1.00	8	996
15	FIRE ALARM CONTROL PANEL	20	1	3	1.00	3	360	16	EBB-2	20	1	8	1.00	8	996
16	OIT RECEPTACLE IN PANEL	20	1	1.00	0	0	0	17	EBB-2	20	1	8	1.00	8	996
17	SINK AREA RECEPTACLE	20	1	1.00	0	0	0	18	EBB-2	20	1	8	1.00	8	996
18	MECHANICAL/UTILITY RECEPTACLE	20	1	1.00	0	0	0	19	EBB-2	20	1	8	1.00	8	996
19	SPARE	20	1	1.00	0	0	0	20	EBB-2	20	1	8	1.00	8	996
20	ATTIC RECEPTACLES	20	1	1.00	0	0	0	21	EBB-2	20	1	8	1.00	8	996
21	ATTIC RECEPTACLES	20	1	1.00	0	0	0	22	EBB-2	20	1	8	1.00	8	996
22	ATTIC RECEPTACLES	20	1	1.00	0	0	0	23	EBB-2	20	1	8	1.00	8	996
23	ATTIC RECEPTACLES	20	1	1.00	0	0	0	24	EBB-2	20	1	8	1.00	8	996
24	ATTIC RECEPTACLES	20	1	1.00	0	0	0	25	EBB-2	20	1	8	1.00	8	996
25	ATTIC RECEPTACLES	20	1	1.00	0	0	0	26	EBB-2	20	1	8	1.00	8	996
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31	ATTIC RECEPTACLES	20	1	1.00	0	0	0	32	EBB-2	20	1	8	1.00	8	996
32	ATTIC RECEPTACLES	20	1	1.00	0	0	0	33	EBB-2	20	1	8	1.00	8	996
33	ATTIC RECEPTACLES	20	1	1.00	0	0	0	34	EBB-2	20	1	8	1.00	8	996
34	ATTIC RECEPTACLES	20	1	1.00	0	0	0	35	EBB-2	20	1	8	1.00	8	996
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53	ATTIC RECEPTACLES	20	1	1.00	0	0	0	54	EBB-2	20	1	8	1.00	8	996

Panel Voltage 240
Total KVA 48.25
Tot Amps 201.05

AT - Amp Trip
P - Poles
A - Amps
CA - Connected Amperes
DF - Demand Factor (1 - 1)
DA - Demand Amperes
VA - VoltAmps
MLO - Main Lug Only
MCB - Main Circuit Breaker

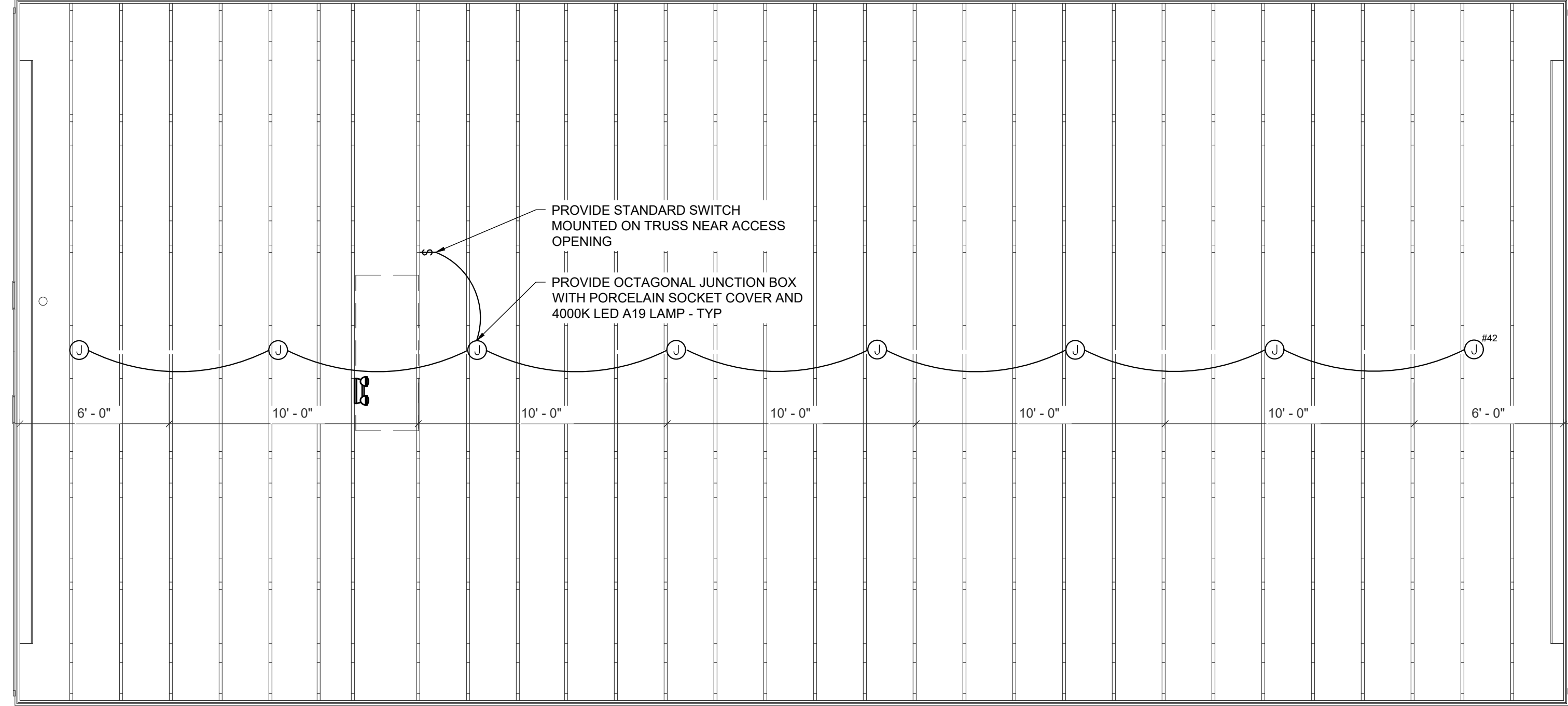


② Attic Electrical Plan
1/4" = 1'-0"



① Electrical Plan
1/4" = 1'-0"

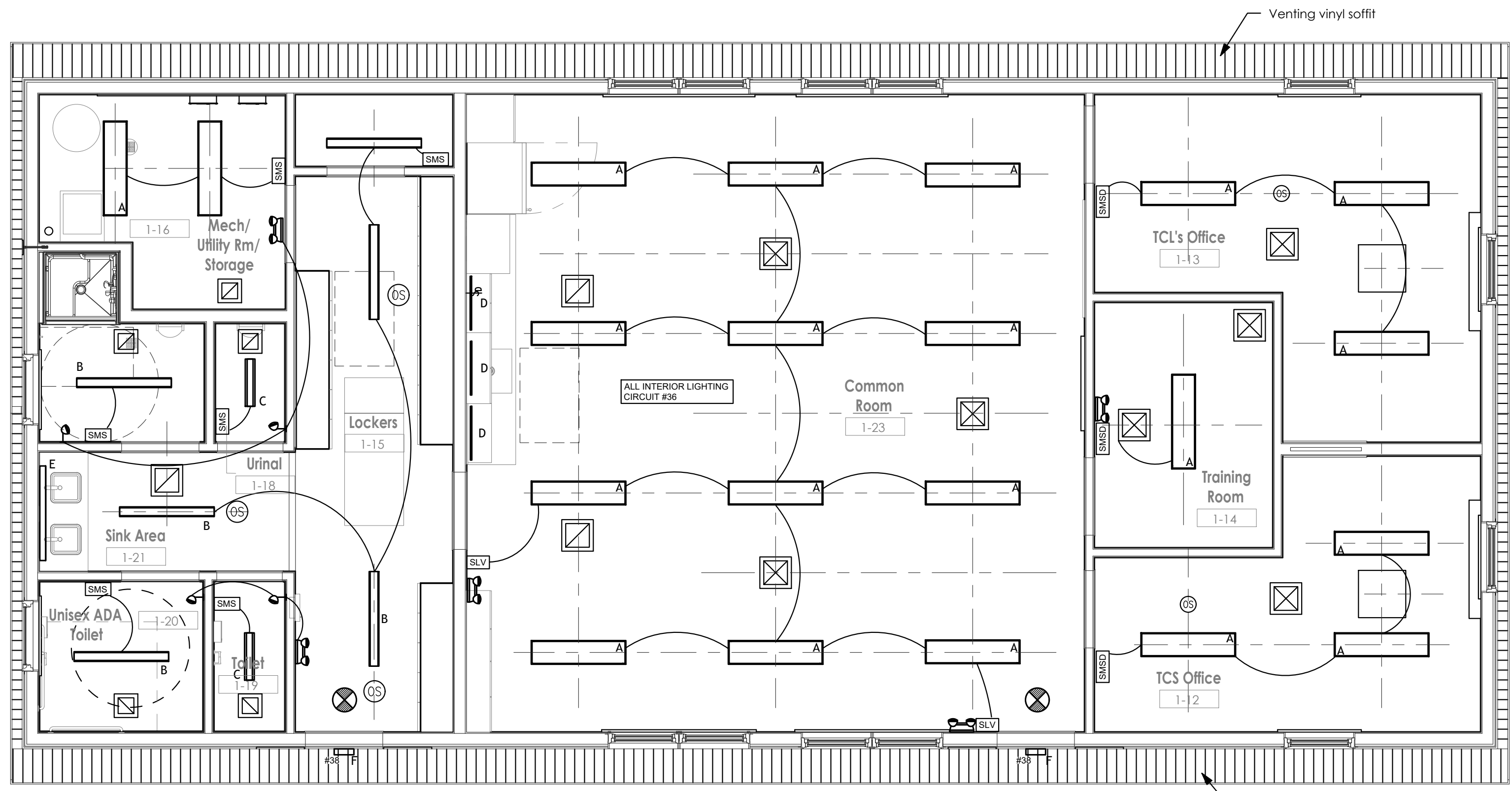
LIGHTING FIXTURE SCHEDULE					
NEW TYPE	MANUFACTURER	ORDING INFORMATION MODEL NUMBER	LED INFORMATION WATTAGE / COLOR TEMP / LUMENS	LED INFORMATION SIZE	FIXTURE INFORMATION DESCRIPTION
A	ORACLE LIGHTING	14-OSMT-LED-3400L-DIM10-MVOLT-30K-85-A12	29W / 3000K / 3400 LUMENS	12" W x 4'-0" L x 4 1/4" H	SURFACE MOUNTED 1'X4' LED TROFFER, CONSTRUCTED OF ONE-PIECE RIBBED INITIALIZED HOUSING, FROSTED ACRYLIC LENS, ACCESSIBLE AND REMOVEABLE LED LIGHT ENGINE, FINISH: WHITE
B	ORACLE LIGHTING	OLS-CM-LED-4-S-4-1000L-HEX-BK-DIM10-120-30K-90-WH	32.8W / 3000K / 4000 LUMENS	4" W x 4'-0" L x 4.81" H	CEILING MOUNTED 4" WIDE 4' LINEAR GENERAL ILLUMINATION FIXTURE, ONE-PIECE RIGID ALUMINUM EXTRUSION, SMOOTH WHITE EXTRUDED FROSTED LENS WITH HEX CELL LOUVER, FINISH: WHITE
C	ORACLE LIGHTING	OLS-CM-LED-4-S-2-1000L-HEX-BK-DIM10-120-30K-90-WH	16.4W / 3000K / 2000 LUMENS	4" W x 2'-0" L x 4.81" H	SIMILAR TO TYPE B EXCEPT 2' LENGTH.
D	AFX INC	KNLU22RB	11.8W / 3000K / 955 LUMENS	3" W x 22" L x 5/8" H	SURFACE MOUNTED UNDER CABINET LIGHT FIXTURE, EXTRUDED ALUMINUM HOUSING, WHITE POLYCARBONATE LENS, 12" INTERCONNECT CORD AVAILABLE (XLCC12WH)
E	ORACLE LIGHTING	OLS-WD-LED-4-S-4-750L-HEX-BK-DIM10-120-30K-90-WH	26W / 3000K / 3000 LUMENS	4" W x 4'-0" L x 4.81" H	WALL MOUNTED 4" WIDE 4' LINEAR FIXTURE MOUNTED ABOVE SINK, ONE-PIECE RIGID ALUMINUM EXTRUSION, SMOOTH WHITE EXTRUDED FROSTED LENS WITH HEX CELL LOUVER, FINISH: WHITE
F	BEACON LIGHTING	VPW1-24L-25-35K8-2-120V-BLT-E	23W / 3000K / 3055 LUMENS	7.96" W x 4.92" H x 5.5" D	LOW PROFILE WALL MOUNTED EXTERIOR WALL PACK, MICROSTRIKE OPTICS, TYPE 2 DISTRIBUTION, PROVIDE WITH EMERGENCY BATTERY, FINISH: TEXTURED BLACK



① Attic Lighting Plan
1/4" = 1'-0"

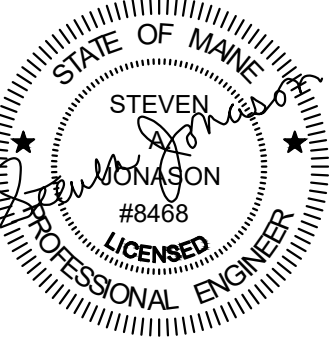
LIGHTING CONTROLS LEGEND

[SMS]	MOTION SENSOR SWITCH - NX #LHMTS1
[SMSD]	MOTION SENSOR DIMMING SWITCH - NX #LHRDMTS2
[SLV]	LOW VOLTAGE SWITCH - NX #NXSW2-00
[OS]	LOW VOLTAGE OCCUPANCY SENSOR - NX #OMNIDT2000



① Lighting Plan
1/4" = 1'-0"

STATE OF MAINE DOT
CREW QUARTERS
DIXFIELD, MAINE
WIN 030325.00

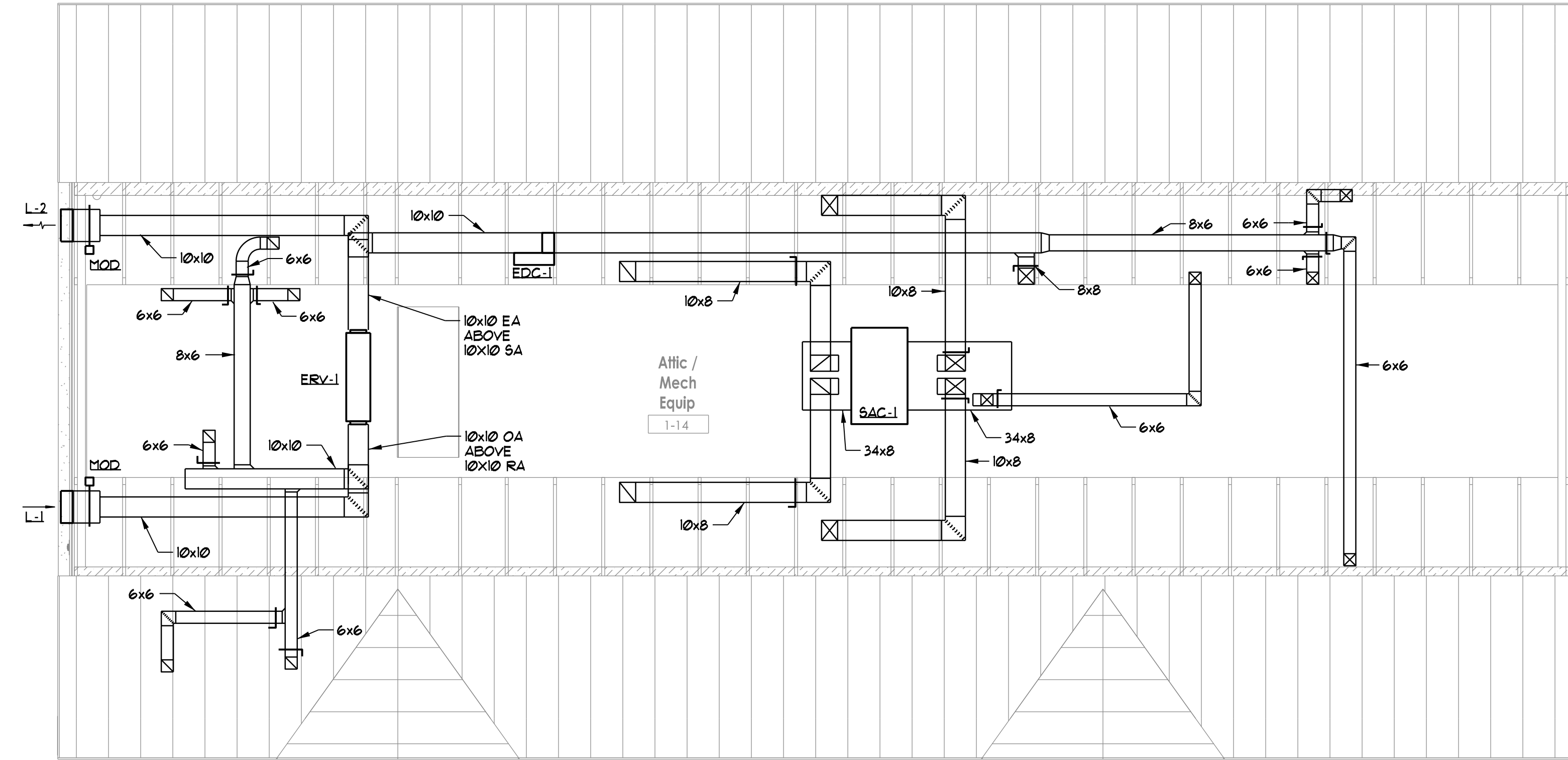


ME-8468			
PE NUMBER			
OCT 2025			
DATE			
DATE	OCT. 2025		
BY	MJA		
FOR BID			

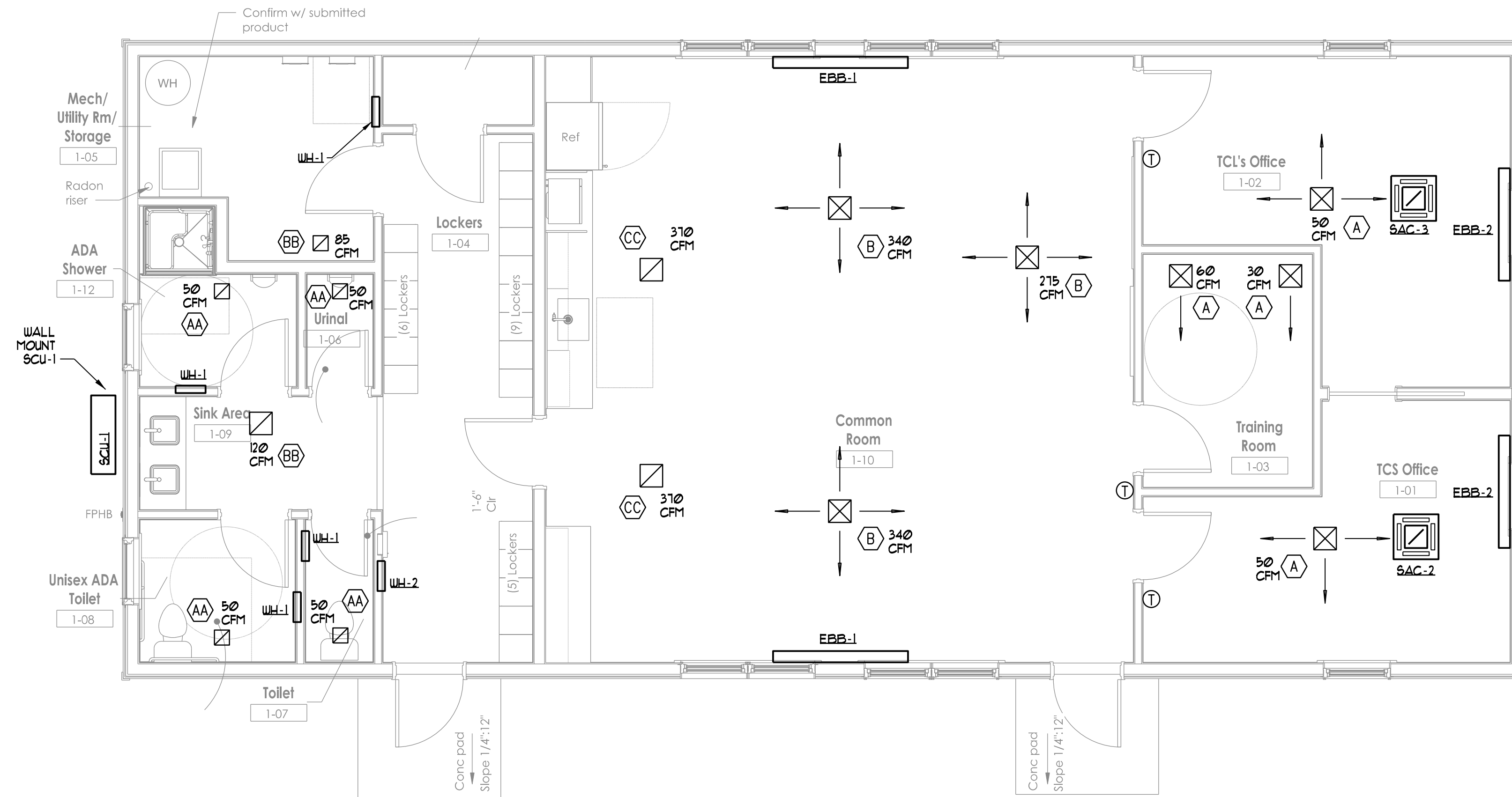
MDOT CREW QUARTERS
DIXFIELD, MAINE
Lighting Plan

SHEET NUMBER
26

ME-10546		
PE NUMBER		
OCT 2025		
DATE		



ATTIC MECHANICAL PLAN
SCALE - 1/4" = 1'-0"



MECHANICAL PLAN
SCALE - 1/4" = 1'-0"

DATE	OCT. 2025
BY	JMV
FOR BID	

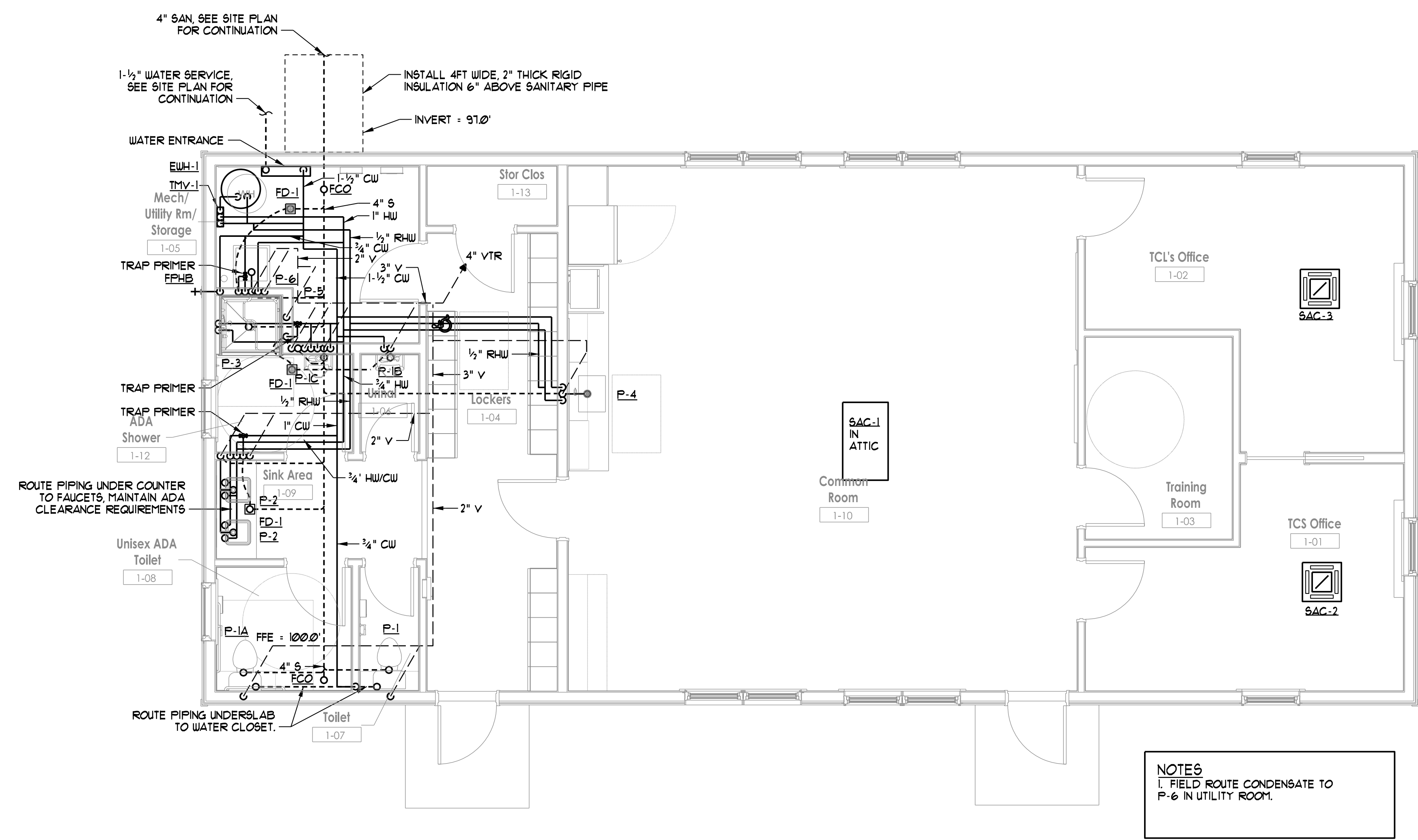
**MDOT CREW QUARTERS
DIXFIELD, MAINE
MECHANICAL PLAN**

SHEET NUMBER

FOR BID					
BY	JMV				
DATE	OCT. 2025				
		ME-10546			
			PE NUMBER		
				OCT 2025	DATE

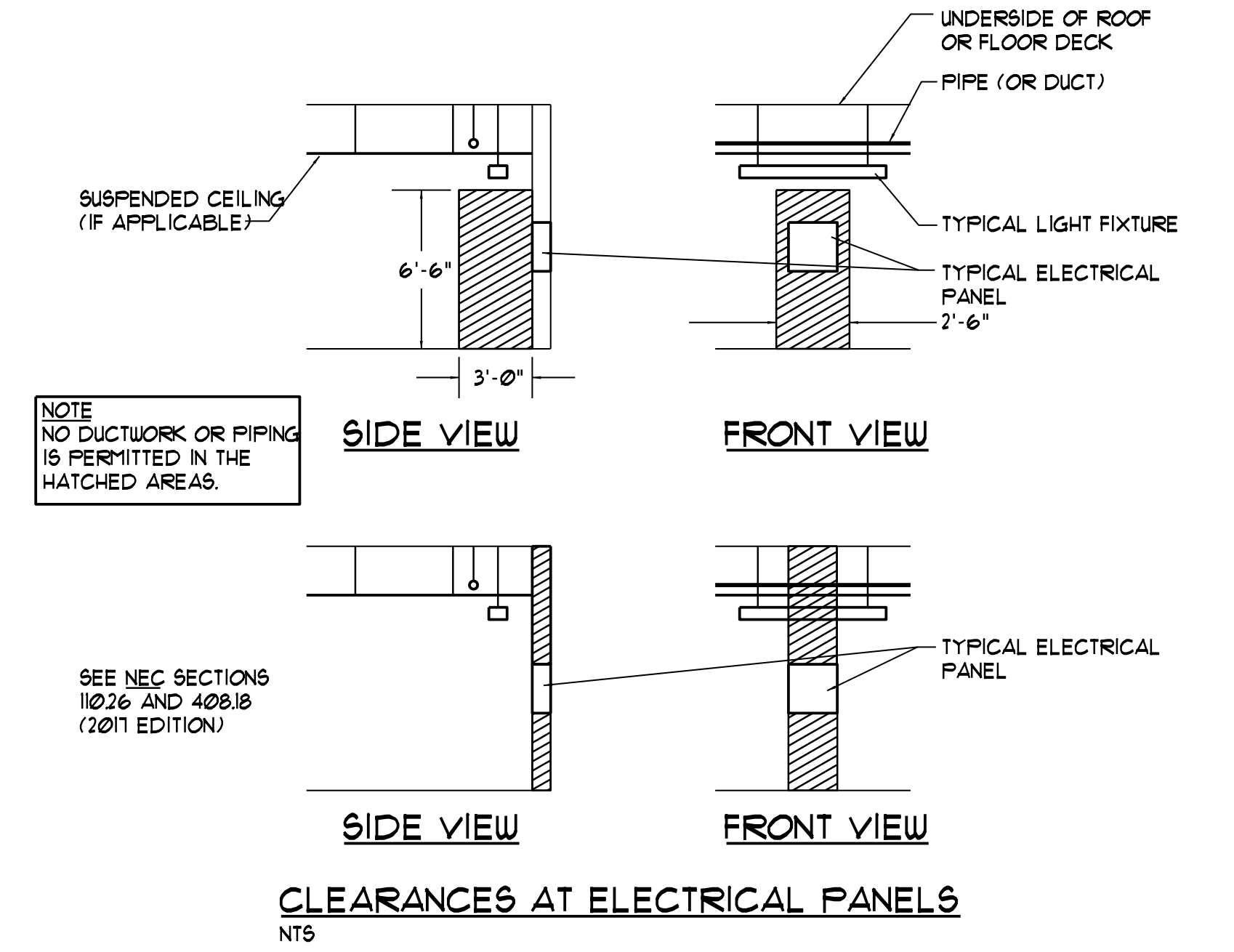
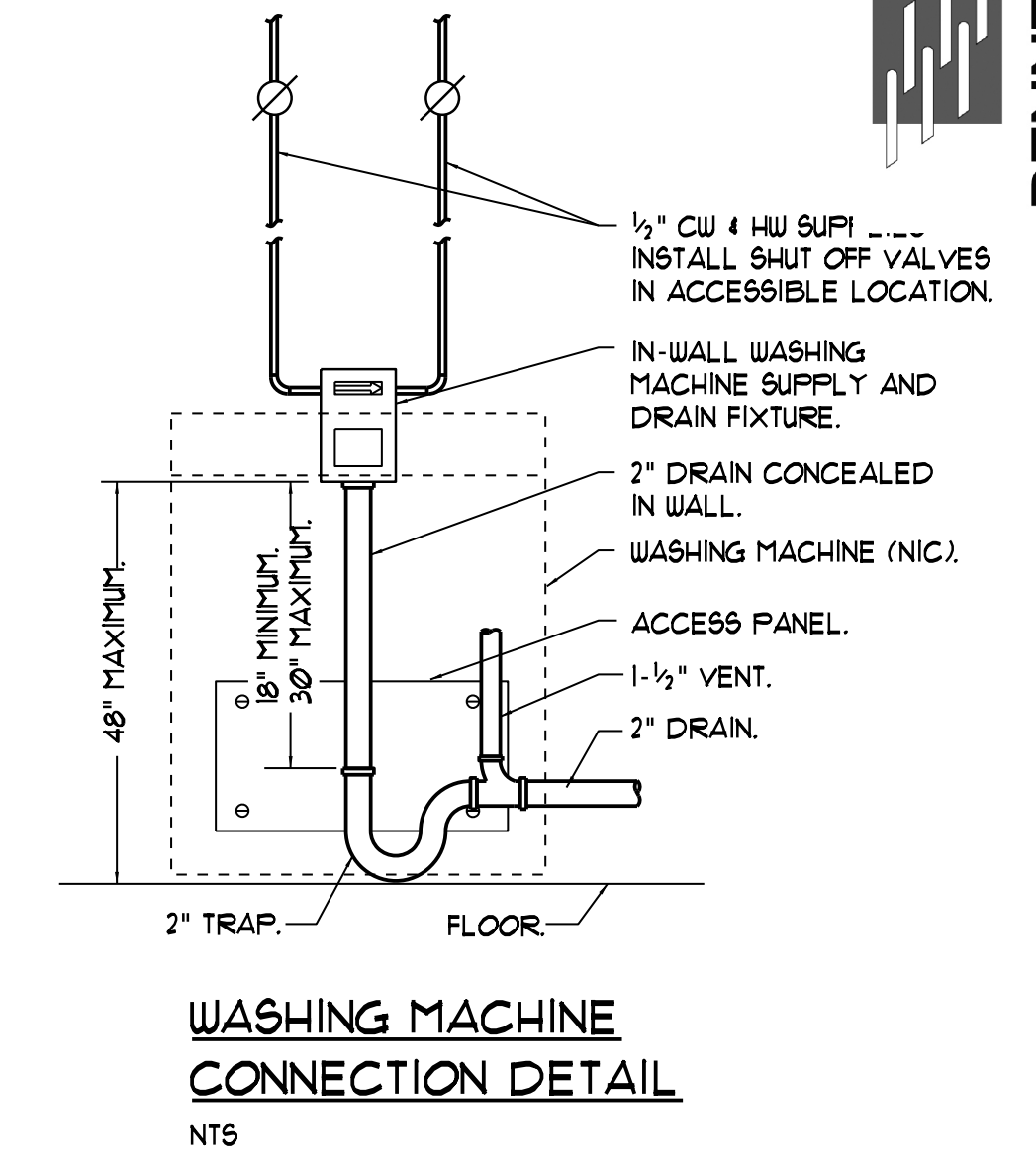
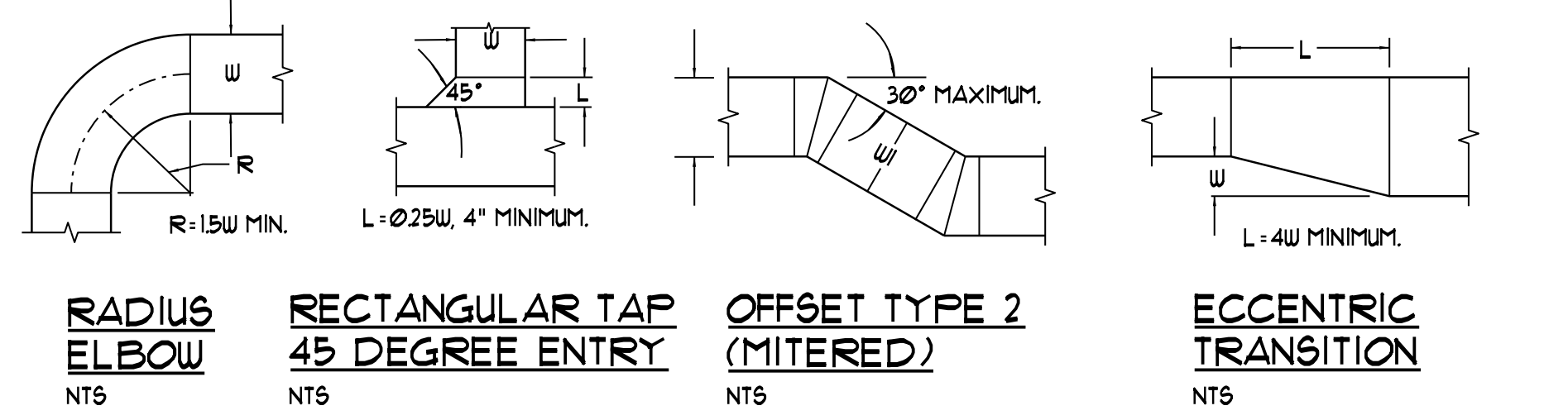
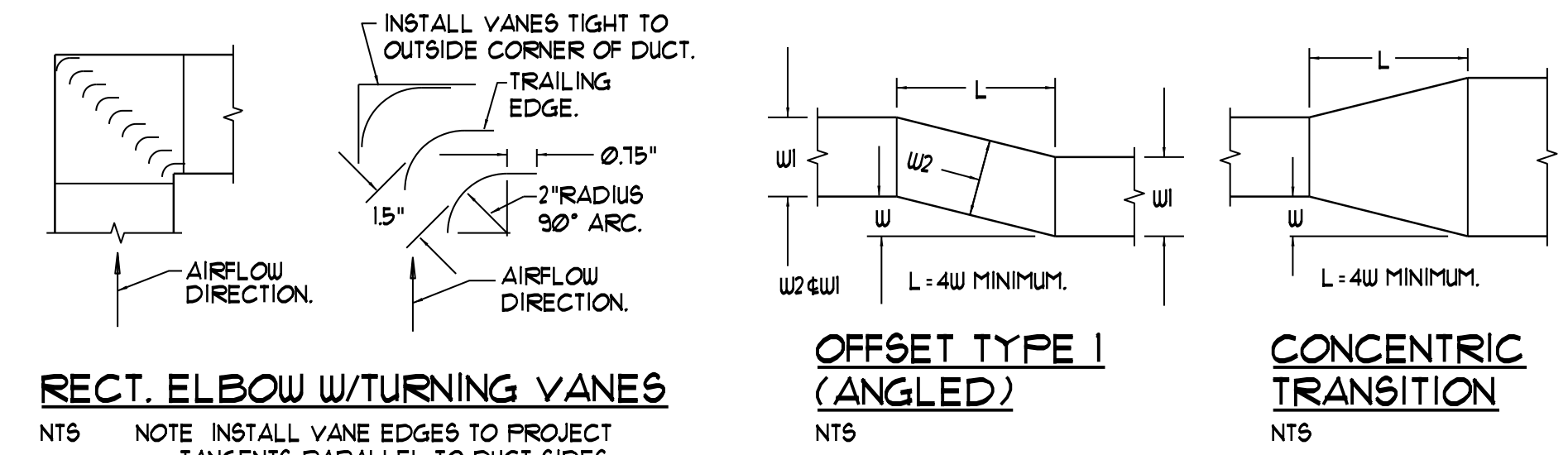
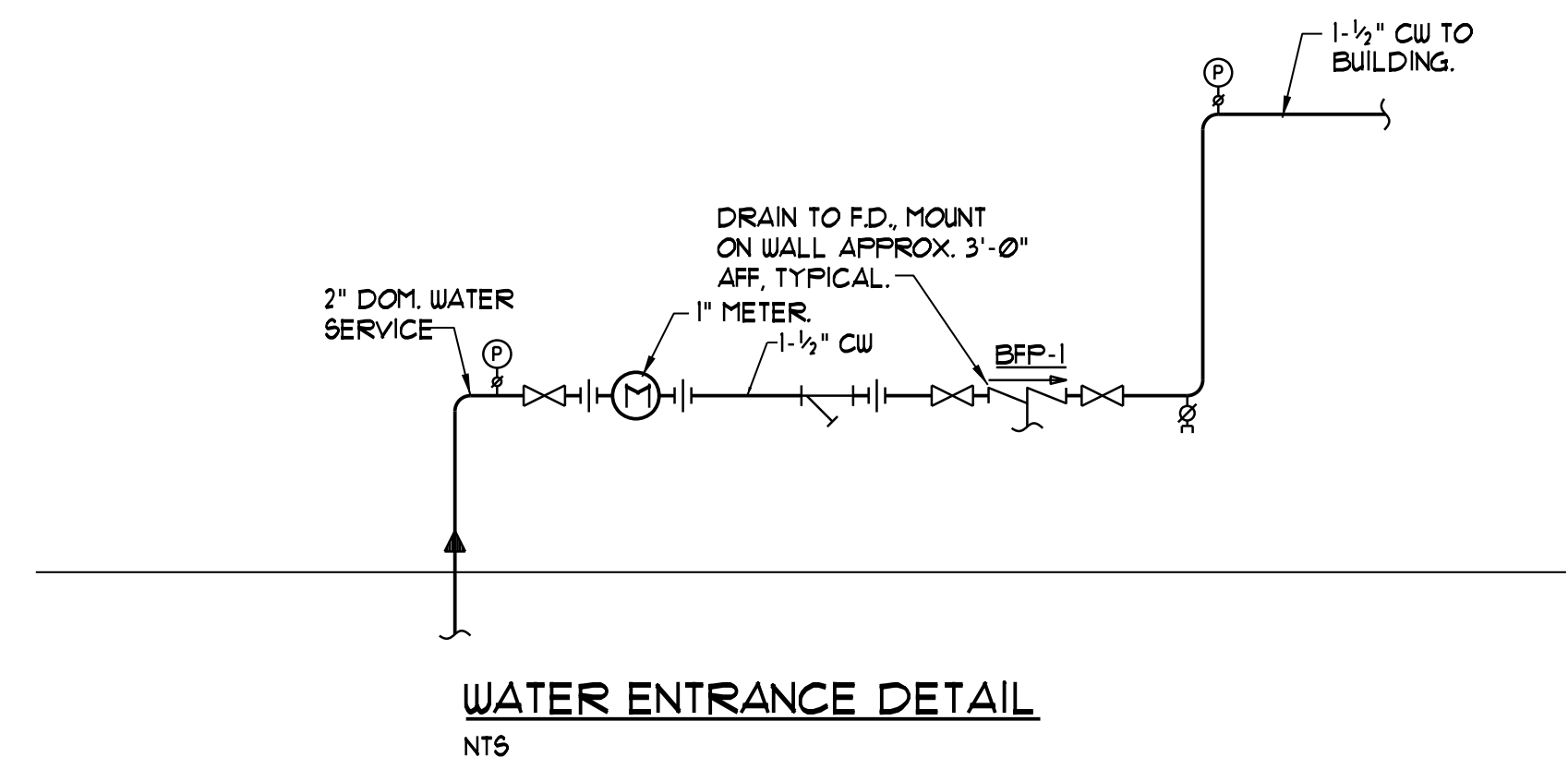
**MDOT CREW QUARTERS
DIXFIELD, MAINE
PLUMBING PLAN**

SHEET NUMBER

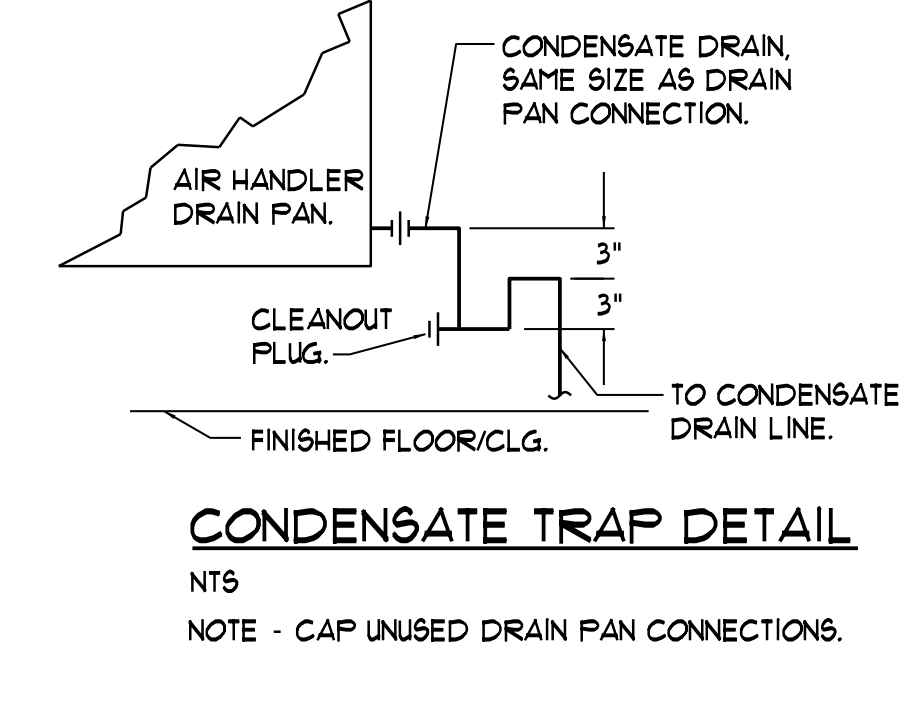
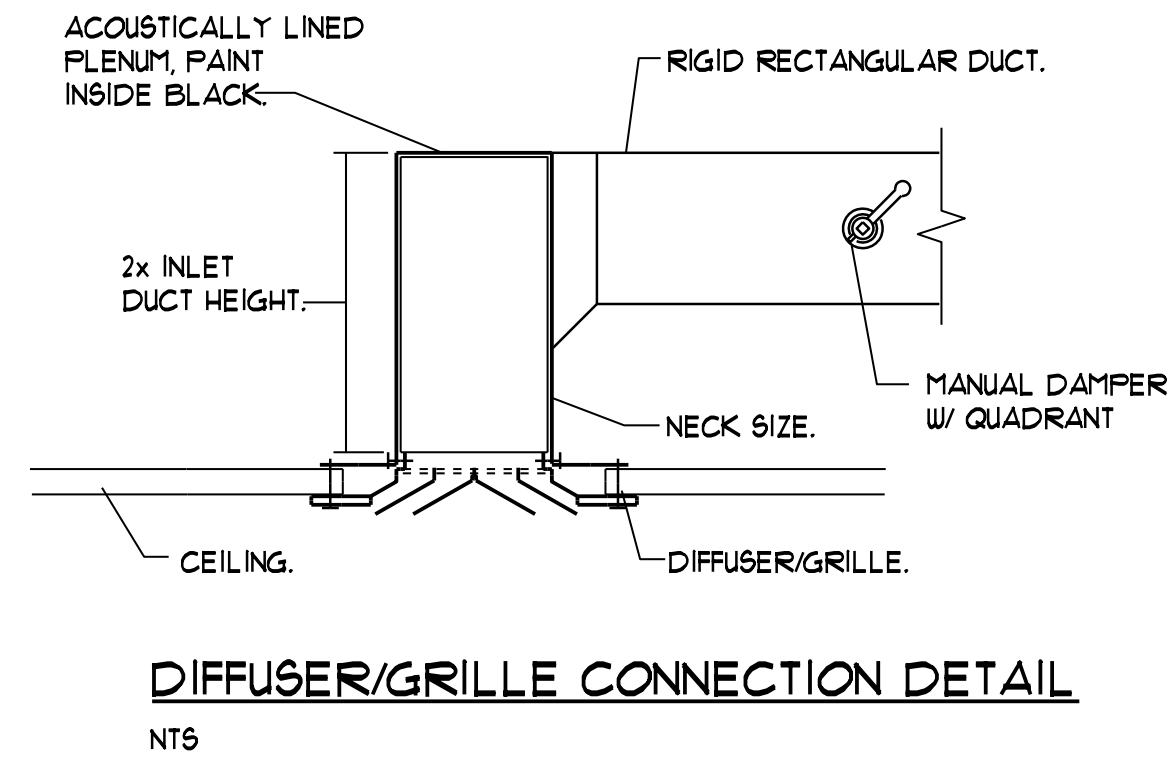
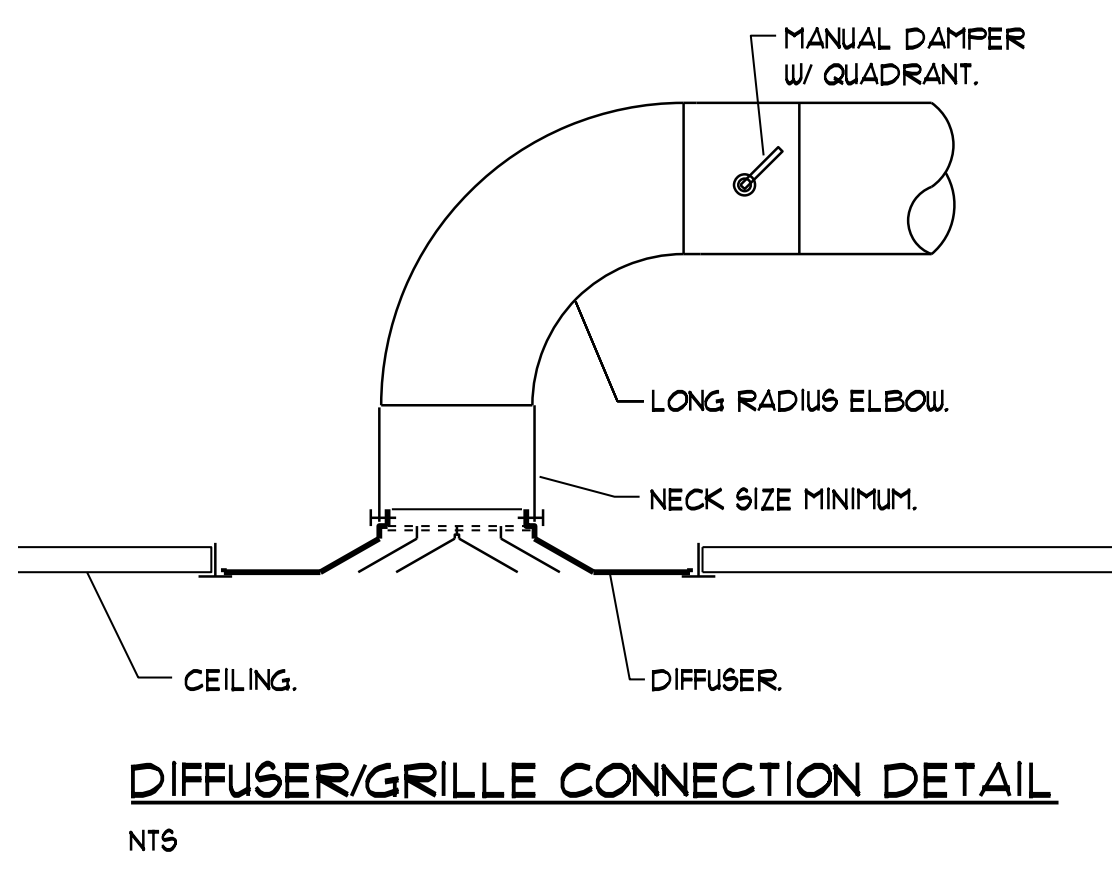


NOTES
1. FIELD ROUTE CONDENSATE TO P-6 IN UTILITY ROOM.

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



LOW PRESSURE DUCT CONSTRUCTION DETAILS - TYPICAL
NTS



MECHANICAL AND PLUMBING SYMBOLS AND ABBREVIATIONS LEGEND

NOTE - USE SYMBOLS AND ABBREVIATIONS AS APPLICABLE FOR THIS MECHANICAL DRAWING SET. SOME SYMBOLS AND ABBREVIATIONS IN THIS LEGEND MAY NOT APPLY.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
CA	COMPRESSED AIR PIPING (CA)	BV	BALL VALVE	TG	TSTAT OR SENSOR W/ TAMPERPROOF GUARD	B	BOILER TAG	EWB	ENTERING WET BULB	LB	POUNDS	RPZ	REDUCED PRESSURE ZONE
C	CONDENSATE DRAIN PIPING (C)	VBV	3/4" BALL VALVE WITH 3/4" HOSE END	TV	MANUAL AIR VENT	BD	BYPASS DAMPER TAG	EWH	ELECTRIC WATER HEATER TAG	LD	LINEAR DIFFUSER TAG	RR	RETURN REGISTER TAG
CTR	COOLING TOWER RETURN PIPING (CTR)	CV	FUSIBLE VALVE	NT	NOTE TAG (NUMBER)	BFP	BACKFLOW PREVENTER TAG	EWT	ENTERING WATER TEMPERATURE	LTHUS/R	LOW TEMPERATURE HOT WATER	RTU	ROOM TEMPERATURE SENSOR
CTS	COOLING TOWER SUPPLY PIPING (CTS)	RV	STRAINER W/BLOWDOWN BALL VALVE	RT	AIR DEVICE TAG (LETTER) WITH CFM	BHP	BRAKE HORSEPOWER	EXG	EXISTING	LRA	LOCKED ROTOR AMPS	RV	RELIEF VALVE
CWR	CHILLED WATER RETURN PIPING (CWR)	FC	2-WAY CONTROL VALVE	RN	ROOM NUMBER	BTUH	BRITISH THERMAL UNITS PER HOUR	EXH	EXHAUST	LUWC	LOW WATER CUTOUT	RWL	RAINWATER LEADER
CWS	CHILLED WATER SUPPLY PIPING (CWS)	FCV	3-WAY CONTROL VALVE	TV	TURNING VANES	CBD	COUNTER BALANCED DAMPER	FC	FLEXIBLE CONNECTION	LWT	LEAVING WATER TEMPERATURE	SA	SUPPLY AIR
FOR	FUEL OIL RETURN PIPING (FOR)	FCV	4-WAY CONTROL VALVE (TOP VIEW)	MD	DUCT W/MANUAL DAMPER	CC	COOLING COIL TAG	FCO	FLOOR CLEANOUT	MAX	MAXIMUM	SAN	SANITARY (DRAIN & WASTE)
FOS	FUEL OIL SUPPLY PIPING (FOS)	FCV	2-WAY CONTROL VALVE	MD	DUCT W/FLEXIBLE CONNECTION (FC)	CFM	CUBIC FEET PER MINUTE	FD	FIRE DAMPER	MBH	THOUSANDS OF BTU PER HOUR	SD	SMOKE DAMPER
G	GAS PIPING (G)	FCV	3-WAY CONTROL VALVE	MD	LAGGED DUCT	CHLR	CHILLER TAG	FD	FLOOR DRAIN TAG	MCA	MINIMUM CIRCUIT AMPACITY	SEER	SEASONAL ENERGY EFFICIENCY RATIO
HWR	HOT WATER RETURN PIPING (HWR)	FCV	4-WAY CONTROL VALVE (TOP VIEW)	MD	DUCT W/ACOUSTIC LINING	CO	CLEANOUT	FLA	FULL LOAD AMPS	MIN	MINIMUM	SF	SUPPLY FAN
HWS	HOT WATER SUPPLY PIPING (HWS)	FCV	BUTTERFLY VALVE W/ACTUATOR	MD	DUCT W/SQUARE-TO-ROUND TRANSITION	CONV	CONVECTOR TAG	FOR	FUEL OIL RETURN	NC	NOISE CRITERION	SG	SUPPLY GRILLE TAG
RL	REFRIGERANT LIQUID PIPING (RL)	FCV	TRIPLE-DUTY VALVE	MD	FLEXIBLE DUCT	CUH	CABINET UNIT HEATER TAG	FOS	FUEL OIL SUPPLY	NTS	NOT TO SCALE	SP	STATIC PRESSURE
RG	REFRIGERANT GAS PIPING (RG)	FCV	UNION	MD	MOTOR OPERATED DAMPER	CP	CIRCULATING PUMP TAG	FPFB	FROST PROOF HOSE BIBB	OA	OUTSIDE AIR	SP	SUMP PUMP TAG
SA	SANITARY PIPING BELOW FLOOR (SAN)	FCV	PIPE FLANGE	MO	AIRFLOW OUT	CT	COOLING TOWER TAG	FFM	FEET PER MINUTE	OPD	OPPOSED BLADE DAMPER	SR	SUPPLY REGISTER TAG
SA	SANITARY PIPING ABOVE FLOOR (SAN)	FCV	PUMP WITH FLANGES	MO	AIRFLOW IN	Cv	VALVE COEFFICIENT	FS	FLOOR SINK TAG	OBD	OUTSIDE DIAMETER	SQFT	SQUARE FEET
SV	SANITARY VENT PIPING	FCV	BASE MOUNTED PUMP	MO	DIAMETER OR FLAT OVAL	CW	COLD WATER	FT	FEET	O.D.	OUTSIDE DIAMETER	TEMP	TEMPERATURE DIFFERENTIAL
RWL	RAINWATER LEADER ABOVE SLAB (RWL)	FCV	CARTRIDGE TYPE INLINE PUMP	MO	FIRE DAMPER	CHWS/R	CHILLED WATER SUPPLY AND RETURN	FTR	FINTUBE RADIATION TAG	OED	OPEN ENDED DUCT	TEMP	TEMPERATURE
CW	COLD WATER PIPING (CW)	FCV	VERTICAL INLINE PUMP	MO	ROUND OR FLAT OVAL DUCT DOWN	DB	DRY BULB	GA	GAGE	OFRL	OVERFLOW RAINWATER LEADER	TCF	TEMPERATURE CONTROL PANEL
HW	HOT WATER PIPING (HW)	FCV	FLOW METER	MO	ROUND OR FLAT OVAL DUCT UP	dB RE	DECIBELS RELATIVE TO	GAL	GALLONS	OFWH	OIL FIRED WATER HEATER TAG	TMV	THERMOSTATIC MIXING VALVE TAG
RHW	RECIRCULATED HOT WATER PIPING (RHW)	FCV	PRESSURE GAGE WITH GAGE COCK	MO	SUPPLY DIFFUSER	DC	DOUBLE CHECK	GFWH	GAS FIRED WATER HEATER TAG	OFRD	OVERFLOW ROOF DRAIN	TSP	TOTAL STATIC PRESSURE
PC	PIPE CAP	FCV	THERMOMETER IN WELL	MO	RETURN GRILLE	DCA	DOUBLE CHECK ATMOSPHERIC	GPH	GALLONS PER HOUR	OPD	OVERCURRENT PROTECTIVE DEVICE	TYP	TYPICAL
DF	DIRECTION OF FLUID FLOW	FCV	WATER FLOW SWITCH	MO	STEAM TRAP	DEG F	DEGREES FAHRENHEIT	GPM	GALLONS PER MINUTE	P	PLUMBING FIXTURE TAG	UH	UNIT HEATER TAG
EU	ELBOW UP	FCV	IMMERSION TEMPERATURE SENSOR	MO	WATER HAMMER ARRESTOR	DIA	DIAMETER	GUH	GAS UNIT HEATER TAG	PENETN	PENETRATION	UNO	UNLESS NOTED OTHERWISE
ED	ELBOW DOWN	FCV	DUCT MOUNTED SMOKE DETECTOR	MO	ABBREVIATION	DIW	DOWN IN WALL	HC	HEATING COIL TAG	FF	PADDLE FAN TAG	VAV	VARIABLE AIR VOLUME BOX TAG
ET	ELBOW TEE UP	FCV	ROOM TEMPERATURE SENSOR	MO	ABBREVIATION	DN	DOWN	HP	HORSEPOWER	PSIA	POUNDS PER SQUARE INCH ABSOLUTE	VB	VACUUM BREAKER
ETD	ELBOW TEE DOWN	FCV	THERMOSTAT OR SENSOR ON WALL	MO	ABBREVIATION	EA	EXHAUST AIR	HRV	HEAT RECOVERY VENTILATOR TAG	PSIG	POUNDS PER SQUARE INCH GAGE	VFD	VARIABLE FREQUENCY INVERTER DRIVE
ETD	ELBOW TEE DOWN	FCV	ABBREVIATION	MO	ABBREVIATION	EAT	ENTERING AIR TEMPERATURE	HW	HOT WATER	PVC	POLYVINYL CHLORIDE (PIPE)	VTR	VENT THRU ROOF
ETD	ELBOW TEE DOWN	FCV	ABBREVIATION	MO	ABBREVIATION	EAT	ENTERING AIR TEMPERATURE	HWS/R	HOT WATER SUPPLY AND RETURN	RA	RETURN AIR	V/PH/Hz	VOLTS/PHASES/HERTZ
ETD	ELBOW TEE DOWN	FCV	ABBREVIATION	MO	ABBREVIATION	EAT	ENTERING AIR TEMPERATURE	I-B-R	INSTITUTE OF BOILER AND RADIATOR MANUFACTURERS	RD	ROOF DRAIN	WB	WET BULB
ETD	ELBOW TEE DOWN	FCV	ABBREVIATION	MO	ABBREVIATION	EAT	ENTERING AIR TEMPERATURE	IFWH	INDIRECT FIRED WATER HEATER TAG	RDE	RECOMMENDED DUAL ELEMENT FUSE AMPS	WCO	WALL CLEANOUT
ETD	ELBOW TEE DOWN	FCV	ABBREVIATION	MO	ABBREVIATION	EAT	ENTERING AIR TEMPERATURE	IN	INCHES	RFM	RADIANT FLOOR MANIFOLD TAG	WG	WATER GAGE
ETD	ELBOW TEE DOWN	FCV	ABBREVIATION	MO	ABBREVIATION	EAT	ENTERING AIR TEMPERATURE	IV	INTAKE VENT TAG	RG	RETURN GRILLE TAG	WPD	WATER PRESSURE DROP
ETD	ELBOW TEE DOWN	FCV	ABBREVIATION	MO	ABBREVIATION	EAT	ENTERING AIR TEMPERATURE	L	LOUVER TAG	RHW	RECIRCULATED HOT WATER	WSA	WIRE SIZING AMPS
ETD	ELBOW TEE DOWN	FCV	ABBREVIATION	MO	ABBREVIATION	EAT	ENTERING AIR TEMPERATURE	LAT	LEAVING AIR TEMPERATURE	RLA	RUNNING LOAD AMPS	WTD	WATER TEMPERATURE DROP
ETD	ELBOW TEE DOWN	FCV	ABBREVIATION	MO	ABBREVIATION	EAT	ENTERING AIR TEMPERATURE	LAT	LEAVING AIR TEMPERATURE	RPM	REVOLUTIONS PER MINUTE	W	WATER TEMPERATURE DROP
ETD	ELBOW TEE DOWN	FCV	ABBREVIATION	MO	ABBREVIATION	EAT	ENTERING AIR TEMPERATURE	LAT	LEAVING AIR TEMPERATURE	RPS	REVOLUTIONS PER SECOND	WITH	WATER TEMPERATURE DROP
ETD	ELBOW TEE DOWN	FCV	ABBREVIATION	MO	ABBREVIATION	EAT	ENTERING AIR TEMPERATURE	LAT	LEAVING AIR TEMPERATURE	RPS	REVOLUTIONS PER SECOND	ZD	ZONE DAMPER TAG

MDOT CREW QUARTERS
DIXFIELD, MAINE
MECHANICAL DETAILS
AND LEGEND

DATE	OCT. 2025
BY	JMV
FOR BID	
ME-10546	
PE NUMBER	
OCT. 2025	
DATE	

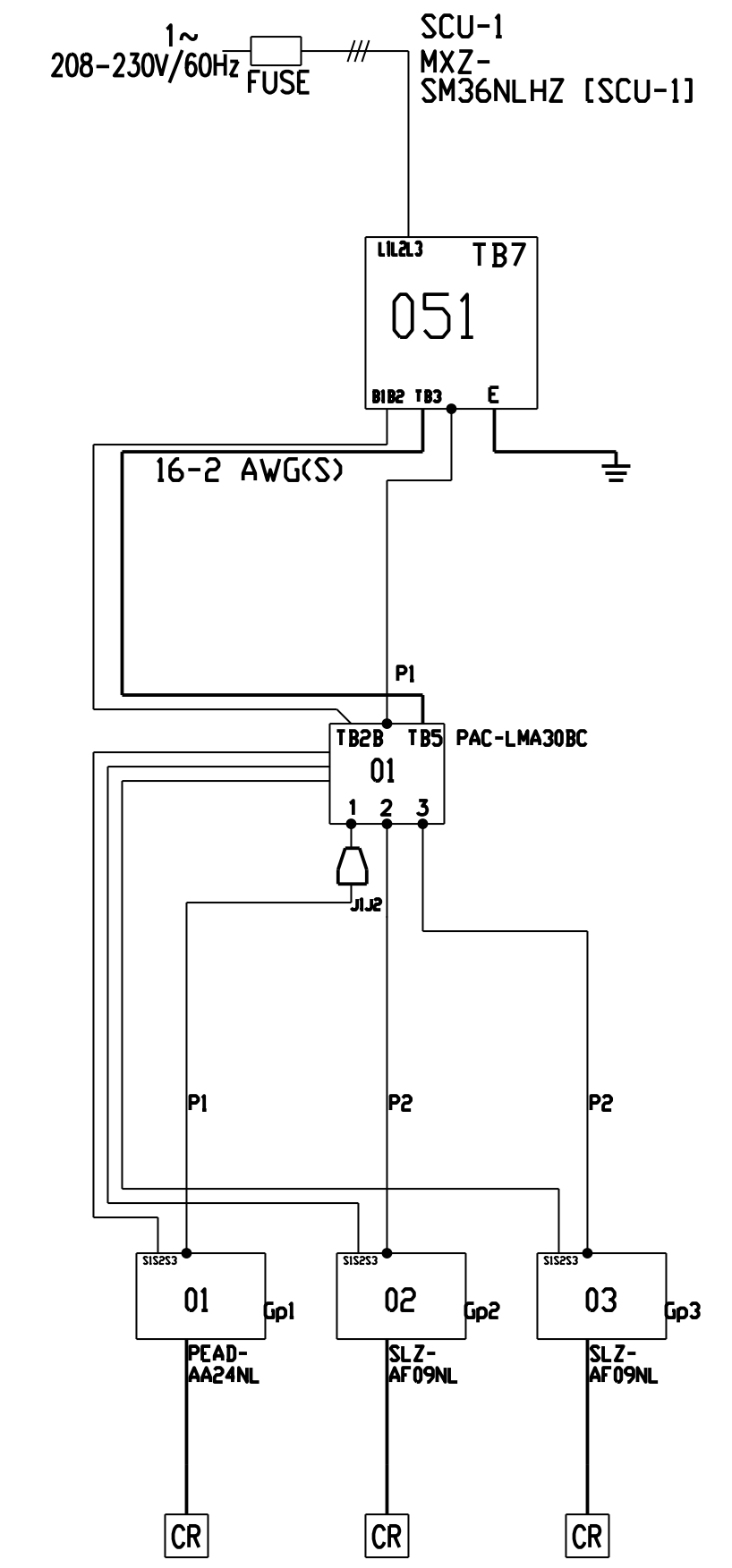
DIAGRAM DISPLAY	SYMBOL DESCRIPTION	CONT.No	PAGE
---	POWER WIRE		
---	CONTROL WIRE		
---	REF. PIPE		

CITY MULTI SYSTEM SCHEMATIC DWG.

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record. Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm²(16 AWG) : 1.25mm²(16 AWG) or more. 0.75mm²(20 AWG) : between 0.5mm²(24 AWG) and 0.75mm²(20 AWG).

PIPING AND CONTROLS

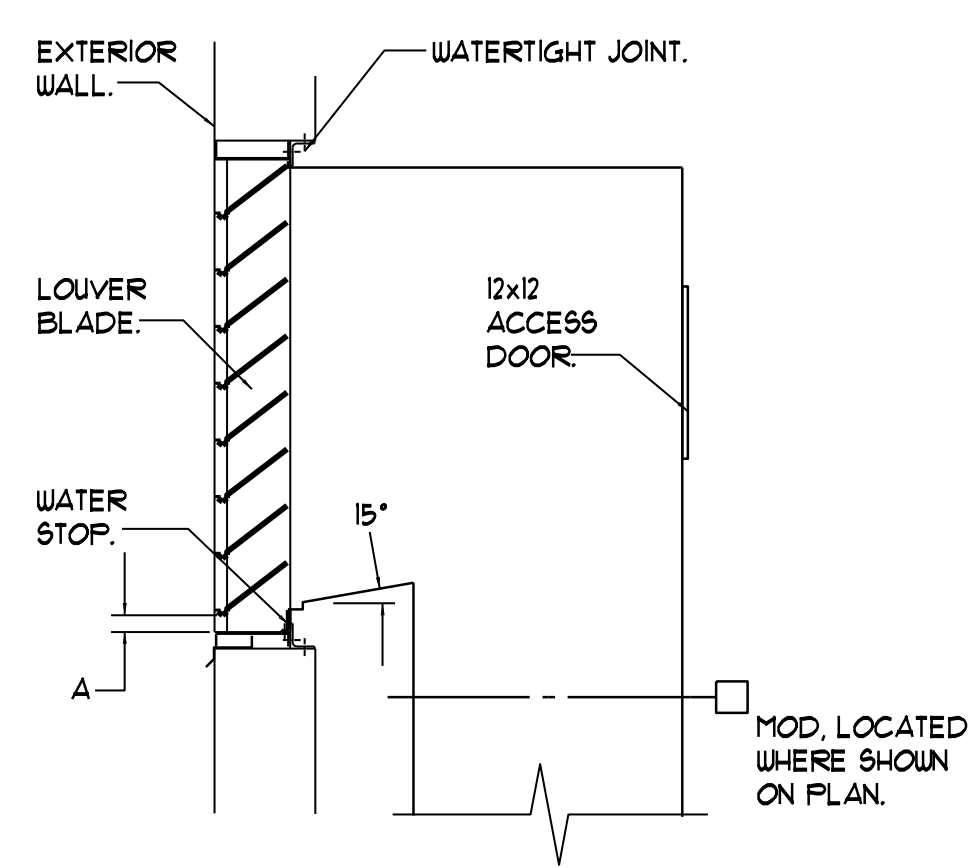
SYMBOL	BRANCH PIPE MODEL NAME
J1	PAC-S076RJ-E
J2	PAC-493PI
SYMBOL	LIQUID PIPE / GAS PIPE SIZE
P1	3/8 / 5/8
P2	1/4 / 3/8
SYMBOL	MODEL NUMBER
CR	PC-Y1532AU-J



Diamond System Builder
s.w: 5.9.0.18
d.b: 5.9.0.12
6/2/2025
1:59 PM

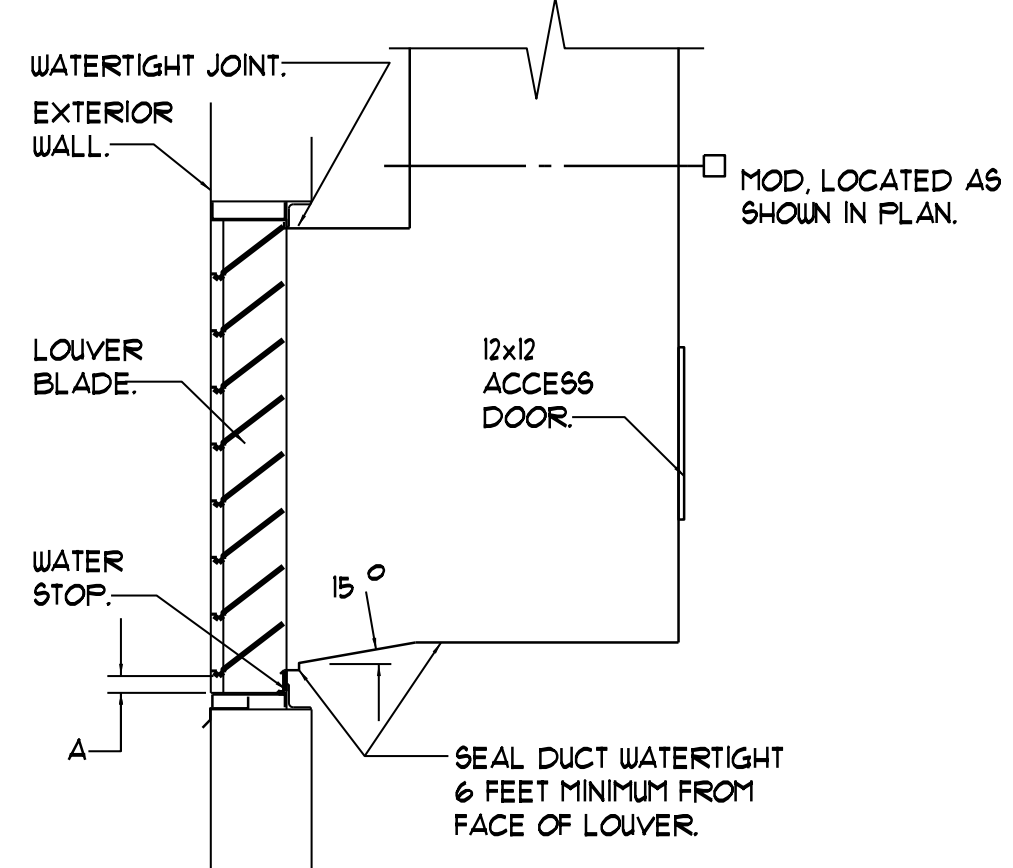
SAC-1 SAC-2 SAC-3

REMARKS
Comments:



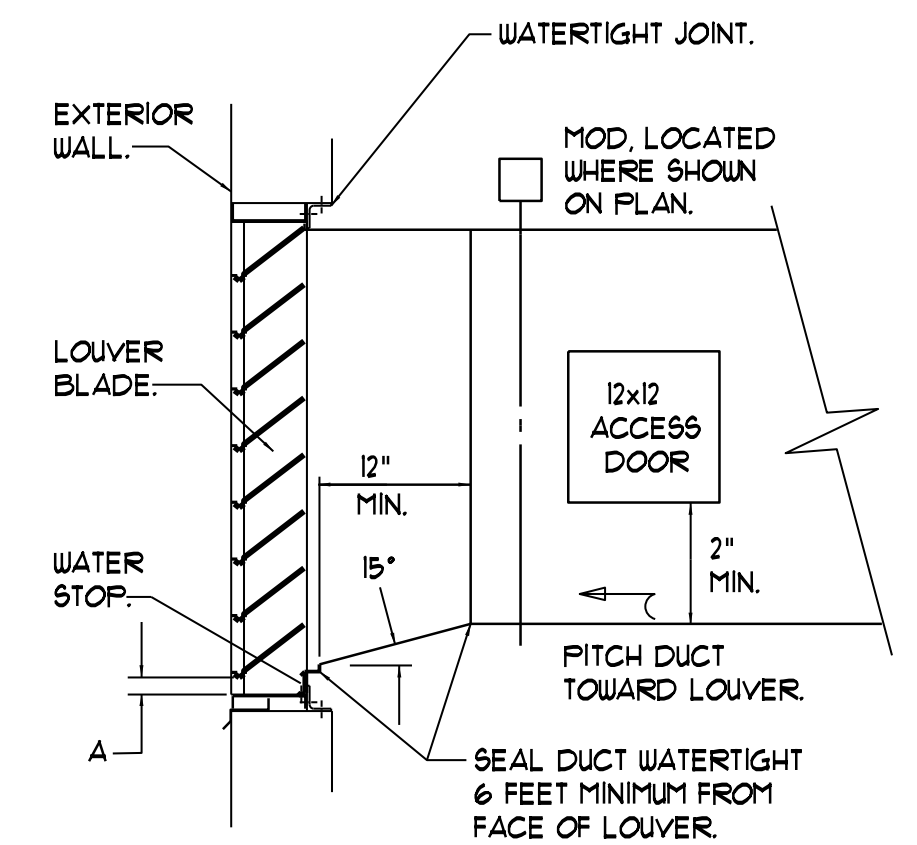
LOUVER DETAIL WITH DUCT FROM BELOW

NTS
NOTE IF DIMENSION "A" IS LESS THAN 1 INCH SEE MODIFIED LOUVER DETAIL THIS SHEET.



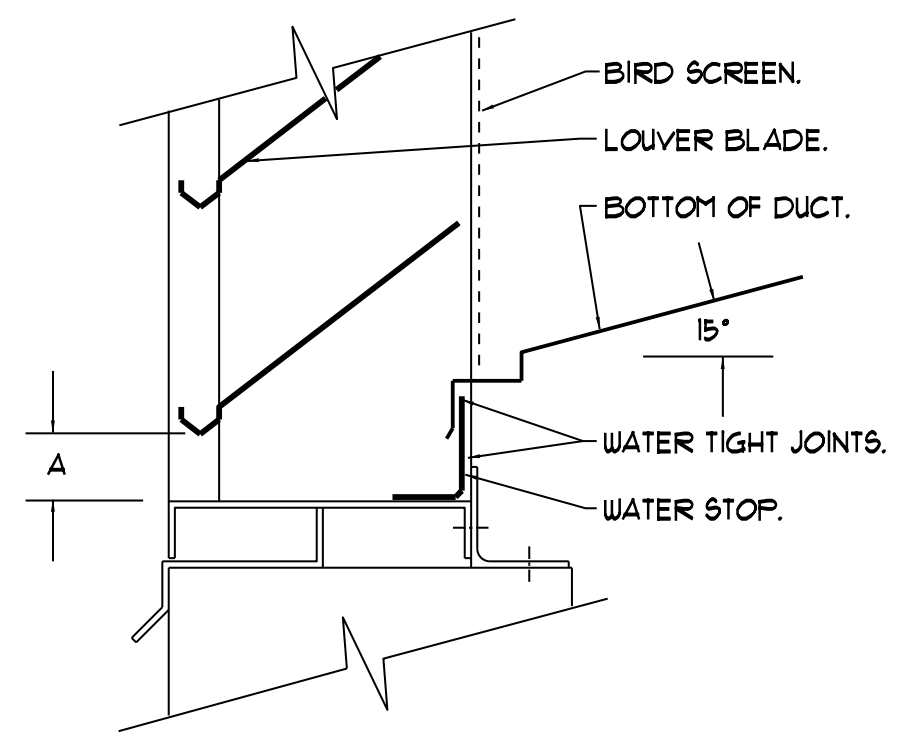
LOUVER DETAIL WITH DUCT FROM ABOVE

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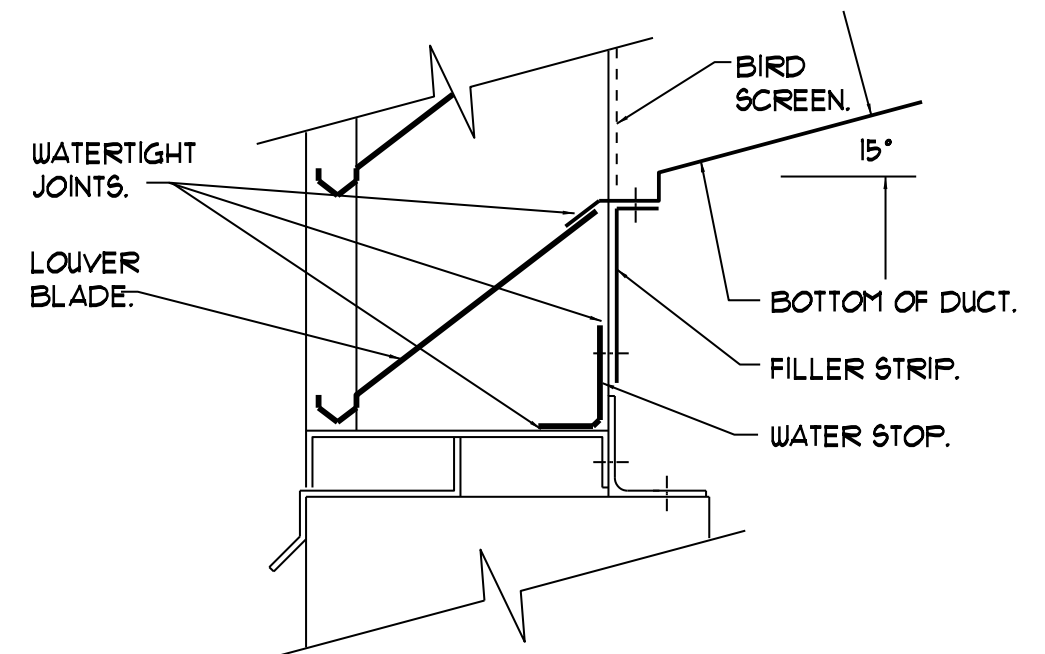
LOUVER DETAIL WITH HORIZONTAL DUCT

NTS
NOTE IF DIMENSION "A" IS LESS THAN 1 INCH SEE MODIFIED LOUVER DETAIL THIS SHEET.



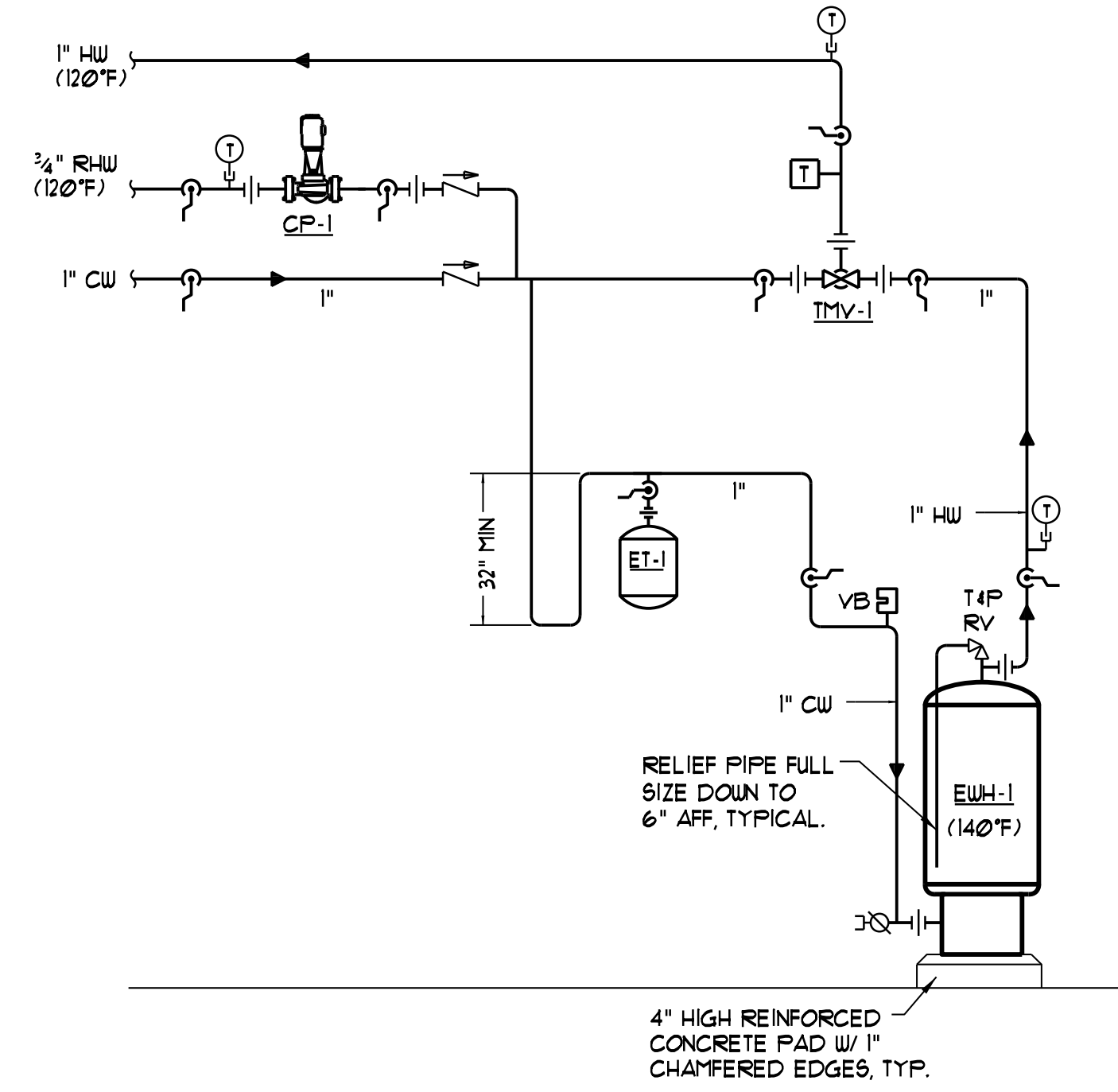
LOUVER CONNECTION DETAIL

NTS
NOTE TYPICAL FOR LOUVERS AND BLOCK VENTS. IF DIMENSION "A" IS LESS THAN 1 INCH SEE MODIFIED LOUVER DETAIL AT RIGHT (LOUVERS ONLY).



MODIFIED LOUVER DETAIL

NTS



DOMESTIC HOT WATER PIPING SCHEMATIC

NTS

HYBRID HEAT PUMP WATER HEATER PERFORMANCE SCHEDULE							
TAG	STORAGE (GAL)	FIRST HOUR RATING (GAL)	DHW STORAGE TEMP (deg F)	ELECTRICAL REQUIREMENTS		BASIS OF DESIGN: A.O. SMITH	
				WATTS	V/PH/Hz	SERVICE	MODEL
EWH-1	46.0	65.0	140.0	4500	240/1/60	DOM. HW	HPTA-50

THERMOSTATIC MIXING VALVE PERFORMANCE SCHEDULE								
TAG	FLOW RATE (GPM)	INLET CONNECTION (INCHES)	OUTLET CONNECTION (INCHES)	W.P.D. (PSIG)	SETPOINT (DEG F)	PROVIDE SPARE CARTRIDGE (Y) OR (N)	BASIS OF DESIGN: SYMMONS	
							ARRANGEMENT	MODEL
TMV-1	7.0	3/4"	3/4"	10.0	115	-	WALL	7-230

REGISTERS, GRILLES AND DIFFUSERS SCHEDULE									
TAG	MAX CFM	MODULE SIZE W X H	NECK SIZE (INCHES)	MAX STATIC PRESSURE (IN. WC)	SOUND (NC)	ARRANGEMENT	BASIS OF DESIGN: PRICE INDUSTRIES		
							MODEL	REMARKS	
A	60	-	6 x 6	0.02	15		H4002	NOTES: ALL	
B	340	-	12 x 12	0.03	15		H4002	NOTES: ALL	
AA	50	-	6 x 6	0.01	15		RHD	NOTES: ALL	
BB	120	-	8 x 8	0.01	15		RHD	NOTES: ALL	
CC	370	-	12 x 12	0.02	20		RHD	NOTES: ALL	

NOTES:
1. PROVIDE ALL REGISTERS, GRILLES AND DIFFUSERS WITH OPPOSED BLADE DAMPERS

EXPANSION TANK PERFORMANCE SCHEDULE										
TAG	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	MIN ACCEPT. VOLUME (GAL)	MAX. WORK'G TEMPERATURE (DEG F)	MAX. WORK'G PRESSURE (PSIG)	WET WEIGHT (LBS)	BASIS OF DESIGN: TACO			
							MOUNTING	SERVICE	MODEL	
ET-1	6.6	4.0	1.9	240	150	90	FLOOR	DOMESTIC HW	PAX-25	

NOTE: ALL TANKS SHALL BE ASME RATED CONSTRUCTION.

LOUVER PERFORMANCE SCHEDULE								
TAG	AIRFLOW (CFM)	MODULE SIZE W X H	AIR VELOCITY (FPM)	FREE AREA (SQFT)	MAX STATIC PRESSURE (IN. WC)	BASIS OF DESIGN: RUSKIN		
						SERVICE	MODEL	REMARKS
L-1	420	16"x16"	575	0.73	0.1	ERV-1 INTAKE	ELF6375DX	NOTES: ALL
L-2	420	16"x16"	575	0.73	0.1	ERV-1 EXHAUST	ELF6375DX	NOTES: ALL

NOTES:

BFP PERFORMANCE SCHEDULE									
TAG	SIZE	FLOW RATE (GPM)	W.P.D. (PSI)	MAX. WORK'G TEMPERATURE (DEGREES F)	MAX. WORK'G PRESSURE (PSI)	TESTABLE (Y) OR (N)	BASIS OF DESIGN: WATTS		
							BODY STYLE	SERVICE	MODEL
BFP-1	1-1/4"	18	13.0	145	175	Y	RPZ	WATER ENTRANCE	LF909

PUMP PERFORMANCE SCHEDULE													
TAG	FLOW RATE (GPM)	HEAD (FT.WG)	RPM	Impeller Dia	Eff %	ELECTRICAL REQUIREMENTS					BASIS OF DESIGN: TACO		
						HP	BHP	VFD	AMPS	V/PH/Hz	SERVICE	ARRANGEMENT	MODEL
CP-1	1.0	15.0	3250	-	-	1/8	-	N	1.4	115/1/60	DHW RECIRC	CARTRIDGE	009SS

1. CP-1 SHALL BE STAINLESS STEEL CONSTRUCTION

MULTI-SPLIT HEAT PUMP OUTDOOR UNIT PERFORMANCE SCHEDULE																			
TAG	NOMINAL COOLING (MBH)*	NOMINAL HEATING (MBH)*	CORRECTED COOLING (MBH)**	CORRECTED HEATING (MBH)**	EER2 / COP	REFRIGERANT		MINIMUM COOLING TEMP(DEG F)	MINIMUM HEATING TEMP(DEG F)	FOOTPRINT DIM (INCHES) (HxWxD)	OPERATING WEIGHT (LBS)	ELECTRICAL REQUIREMENTS			REFRIGERANT LINES		SOUND (DBA)	BASIS OF DESIGN: MITSUBISHI	
						REFRIGERANT	CHARGE (LBS)					MCA	MOCOP	V/PH/Hz	LIQUID (IN)	GAS (IN)		SERVICE	MODEL
SCU-1	36.0	42.0	34.8	39.7	12.7 / 3.7	R-454B	22.6	23.0	-13.0	53 x 42 x 14	300	51.0	86.0	230/1/60	3/8	5/8	53	BUILDING	MXZ-SM36NLHZ

* NOMINAL HEATING AND COOLING AT AHRI CONDITIONS OF 80°F DB / 67°F WB (INDOOR) AND 95°F OUTDOOR FOR COOLING AND 70°F DB / 60°F WB (INDOOR AND 47°F OUTDOOR FOR HEATING

** CORRECTED COOLING AS PART OF THE SPECIFIC COMPLETE SYSTEM INCLUDING LINE LENGTHS AND AT OUTDOOR CONDITIONS OF 95°F DB AND INDOOR CONDITIONS OF 75°F DB / 63.9°F WB

*** CORRECTED HEATING AS PART OF THE SPECIFIC COMPLETE SYSTEM INCLUDING LINE LENGTHS AND WITH A 5% DEFROST AND AT OUTDOOR CONDITIONS OF -13.0°F DB AND INDOOR CONDITIONS OF 70°F DB

1. PROVIDE AND INSTALL WITH STAND AND SNOW/HAIL GUARDS.

SPLIT - SYSTEM HEAT PUMP INDOOR UNIT PERFORMANCE SCHEDULE (FIRST & SECOND FLOORS)																		
TAG	CORRESPONDING OUTDOOR UNIT	NOMINAL COOLING (MBH)*	NOMINAL HEATING (MBH)*	CORRECTED COOLING (MBH)**	CORRECTED HEATING (MBH)**	MAX AIRFLOW (CFM)	COND. DRAIN (IN)	REFRIGERANT PIPING		SOUND RATING (DB)	WEIGHT (LBS)	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN: MITSUBISHI			
								LIQUID (IN)	GAS (IN)			MCA	MOCOP	V/PH/Hz	POWERED FROM OUTDOOR UNIT	SERVICE	ARRANGEMENT	MODEL
SAC-1	SCU-1	24.0	24.0	19.8	18.7	740	1-1/4"	3/8"	5/8"	35	70	1	15	208/1/60	YES	MEETING/TRAINING	CONCEALED DUCTED	PEAD-AA24NL
SAC-2		9.0	11.0	7.4	10.5	300	1-1/4"	1/4"	3/8"	31	36	1	15	208/1/60	YES	TCS OFFICE	4-WAY CEILING	SLZ-AF09NL
SAC-3		9.0	11.0	7.4	10.5	300	1-1/4"	1/4"	3/8"	31	36	1	15	208/1/60	YES	TCL OFFICE	4-WAY CEILING	SLZ-AF09NL

* NOMINAL HEATING AND COOLING AT AHRI CONDITIONS OF 80°F DB / 67°F WB (INDOOR) AND 95°F OUTDOOR FOR COOLING AND 70°F DB / 60°F WB (INDOOR AND 47°F OUTDOOR FOR HEATING

** CORRECTED COOLING AS PART OF THE SPECIFIC COMPLETE SYSTEM INCLUDING LINE LENGTHS AND AT OUTDOOR CONDITIONS OF 95°F DB AND INDOOR CONDITIONS OF 75°F DB / 63.9°F WB

*** CORRECTED HEATING AS PART OF THE SPECIFIC COMPLETE SYSTEM INCLUDING LINE LENGTHS AND WITH A 5% DEFROST AND AT OUTDOOR CONDITIONS OF -13.0°F DB AND INDOOR CONDITIONS OF 70°F DB

NOTE - PROVIDE ALL UNITS WITH CONDENSATE PUMPS

ENERGY RECOVERY VENTILATOR PERFORMANCE SCHEDULE																											
TAG	AIR STREAM	DUCT CONNECTIONS		UNIT AIRFLOW			ENERGY RECOVERY - WINTER						ENERGY RECOVERY - SUMMER				HEATING COIL	COOLING COIL	ELECTRICAL REQUIREMENTS		WEIGHT (LBS)	BASIS OF DESIGN: RENEWAIRE		NOTES			
		ENTERING	LEAVING	CFM	E.S.P. (INWC)	T.S.P. (INWC)	HP	BHP	E.D.B (F)	E.W.B (F)	L.D.B (F)	L.W.B (F)	EFF. %	E.D.B (F)	E.W.B (F)	L.D.B (F)			L.W.B (F)	EFF %		MCA	MOP		SERVES	MODEL	
ERV-1	SUPPLY	END	END	420	0.5	-	0.23	0.23	-20.0	-20.5	45.1	37.1	72.6 SENS	89.0	73.0	78.9	67.5	72.6 SENS	EDC-1	-	240/1/60	2.6	15.0	175	BUILDING VENTILATION	HE07-JINV	ALL
	EXHAUST	END	END	420	0.5	-	0.23	0.23	70.0	51.4	-	-	72.4 TOT	75.0	62.5	-	-	55.0 TOT									

NOTE:

1. PROVIDE WITH FUSED DISCONNECT, 2" MERV 13 FILTERS AND PREMIUM PACKAGED CONTROLS WITH ADJUSTABLE TIMECLOCK.

PLUMBING FIXTURE CONNECTION SCHEDULE							
TAG	DESCRIPTION	SAN	VENT	CW	HW	FIXTURE MODEL	
P-1	TT WATER CLOSET	3"	2"	1/2"	-	AMERICAN STANDARD CADET PRO W/BEMIS 1280SLOW SEAT	
P-1A	ADA TT WATER CLOSET	3"	2"	1/2"	-	AMERICAN STANDARD CADET PRO W/BEMIS 1280SLOW SEAT	
P-1B	WALL HUNG URINAL	2"	2"	3/4"	-	AMERICAN STANDARD WASHBROOK W/SLOAN ROYAL 186 0.125GPPF FLUSH VALVE	
P-1C	ADA WALL HUNG URINAL	2"	2"	3/4"	-	AMERICAN STANDARD WASHBROOK W/SLOAN ROYAL 186 0.125GPPF FLUSH VALVE	
P-2	ADA COUNTERTOP LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD RONDALYN W/ MONTERREY 0.5GPM, 4" CENTERSET FAUCET	
P-3	ADA 36" SHOWER	2"	1-1/2"	1/2"	1/2"	AQUATIC 1363BFRF W/ SEAT AND GRAB BARS, SYMMONS S-9603-PLR ADA SHOWER VALVE	
P-4	ADA DOUBLE BOWL KITCHEN SINK	2"	2"	1/2"	1/2"	ELKAY ELUHAD191655PD W/ AMERICAN STANDARD COLONY PRO GOOSENECK FAUCET	
P-5	WASHING MACHINE BOX	2"	2"	1/2"	1/2"	GUY GRAY #82048 W/WATER HAMMER ARRESTORS	
P-6	UTILITY SINK	3"	2"	3/4"	3/4"	FIAT FL1 W/LEGS AND FIAT A1 FAUCET	
FD-1	FLOOR DRAIN	3"	2"	-	-	WATTS FD-100A	
FPHB	FREEZE PROOF HOSE BIB	-	-	3/4"	-	WOODFORD MODEL 65	

NOTES:

1. MINIMUM SIZE OF BELOW SLAB SANITARY & VENT PIPING SHALL BE 2".
2. PROVIDE TRAP PRIMERS ON FLOOR DRAINS, CONNECT TO NEAREST FIXTURE.

ELECTRIC WALL HEATER SCHEDULE											
TAG	MOUNTING	WATTS	MAX BTUH	CFM	ELECTRICAL POWER			MTG HT AFF (IN)	BASIS OF DESIGN: MESTEK QMARK		
					AMPS	MOCOP	V/PH/Hz		LOCATION	MODEL	REMARKS
WH-1	RECESSED	1,500	5,100	50	12.5	-	120/1/60	12"	MULTIPLE	GFR1500T2F	NOTES: 2
WH-2	SURFACE	1,500	5,100	50	12.5	-	120/1/60	12"	MULTIPLE	GFR1500T2F	NOTES: ALL

NOTES:

1. PROVIDE WITH SURFACE MOUNTING FRAME
2. PROVIDE WITH OPTIONAL THERMOSTAT

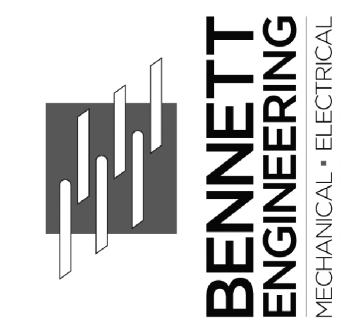
ELECTRIC DUCT HEATING COIL PERFORMANCE SCHEDULE													
TAG	AIRFLOW (CFM)	MAX A.P.D. (IN.WG.)	DIMENSION (WxH, INCHES)	VELOCITY (FFM)	E.A.T. (DEG F)	L.A.T. (DEG F)	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN: RENEWAIRE			
							KW	V/PH/Hz	MCA	MOPD	SERVICE	MODEL	NOTES
EDC-1	420	0.05	10"x10"	605	45.0	75.0	4.0	240/1/60	20.8	25.0	ERV-1 HEAT	EK	ALL

NOTES:

1. PROVIDE WITH SCR CONTROLLER w/THERMOSTAT AND SENSOR, AIRFLOW PROVING SWITCH, FAN INTERLOCK AND DISCONNECT.
2. REFER TO MECHANICAL PLANS FOR CONTROL BOX OFFSET REQUIREMENTS IN EACH DWELLING UNIT.

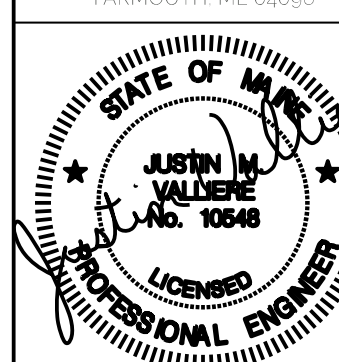
ELECTRIC BASEBOARD PERFORMANCE SCHEDULE									
TAG	OUTPUT (MBH)	LENGTH (FEET)	MTG. HT. AFF (IN)	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN: MESTEK QMARK		
				AMPS	WATTS	V/PH/Hz	SERVICE	MODEL	
EBB-1	4.2	5.0	-	10.4	1250	120/1/60	SUPPLEMENT HEAT	QMKC2515W	
EBB-2	3.4	4.0	-	8.3	1000	120/1/60	SUPPLEMENT HEAT	QMKC2514W	

PROVIDE WITH RELAY FOR USE AS SECOND STAGE HEAT WITH LOW VOLTAGE THERMOSTAT



BENNETT ENGINEERING
MECHANICAL-ELECTRICAL
207.865.9475

STATE OF MAINE DOT
CREW QUARTERS
DIXFIELD, MAINE
WIN 030325.00



DATE	BY	FOR BID	DATE	BY	FOR BID
OCT. 2025	JMV		OCT 2025		

MDOT CREW QUARTERS
DIXFIELD, MAINE
MECHANICAL SCHEDULES

SHEET NUMBER