

PRELIMINARY
 NOT FOR
 CONSTRUCTION

ORIGINAL SIGNATURE ON FILE

DAY USE IMPROVEMENTS
 LAKE POINSETT STATE PARK
 5752 STATE PARK RD
 HARRISBURG, ARKANSAS
 DBA#9002317



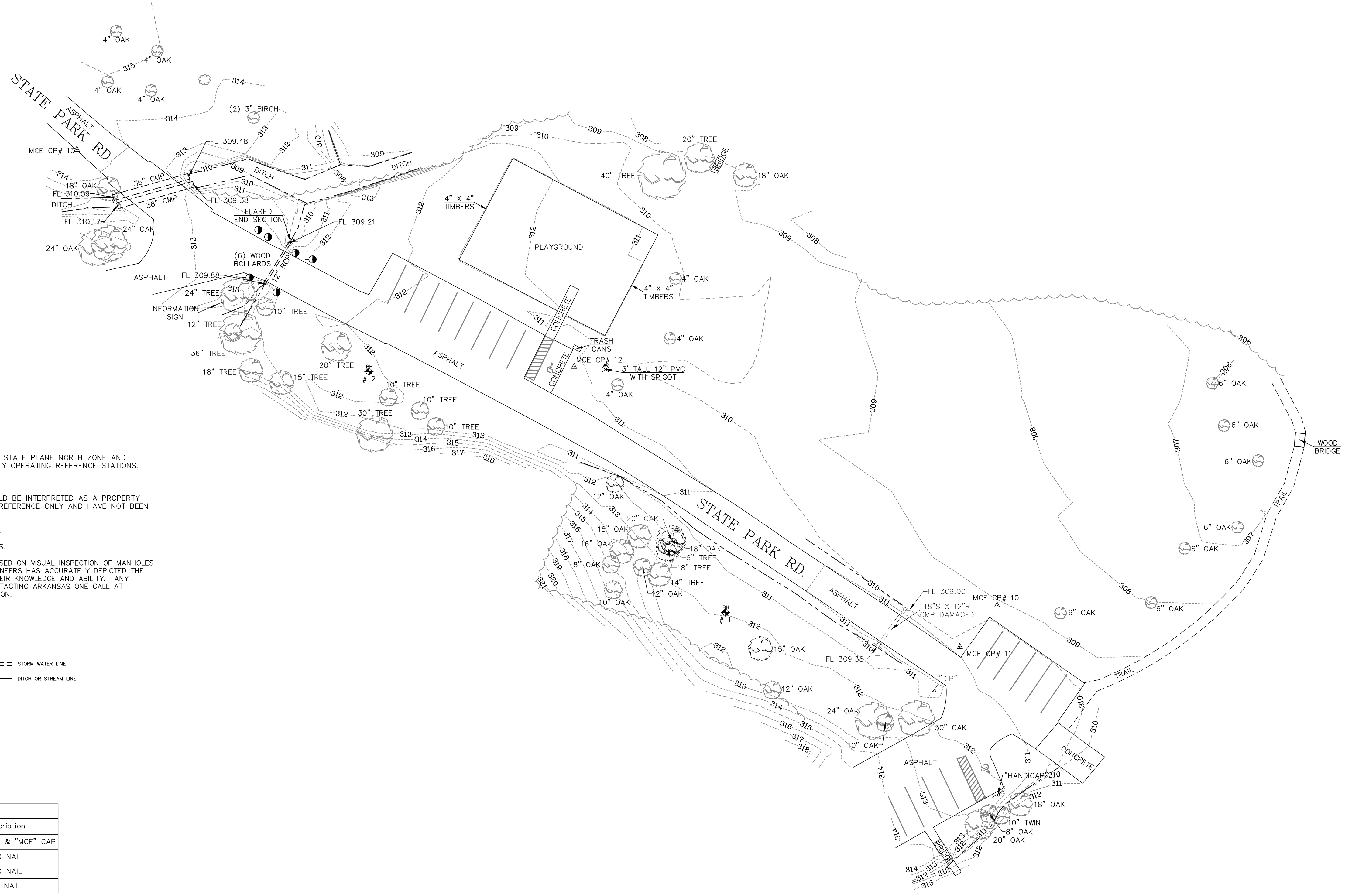
Know what's below.
 Call before you dig.

REV	DATE	DESCRIPTION

TOPOGRAPHIC
 SURVEY

DESIGNED BY:	DRAWN BY:
KLS	JDM
DATE:	REVISION:
4/3/2020	BID SET
SCALE:	JOB NUMBER:
1" = 30'	19-5825

TS-1

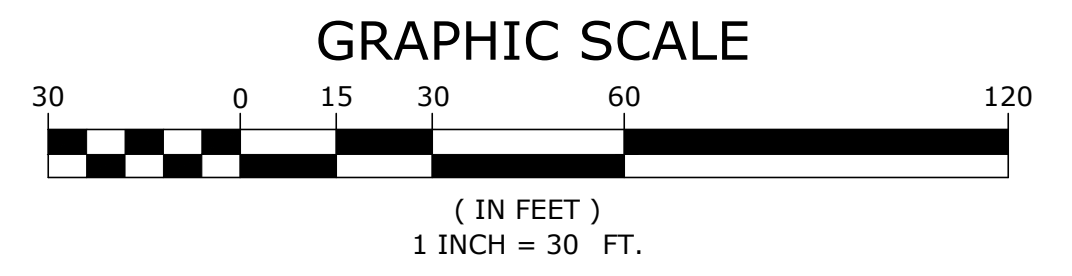


SURVEYOR'S NOTES:
 HORIZONTAL COORDINATES FOR THIS PROJECT ARE ARKANSAS STATE PLANE NORTH ZONE AND ELEVATIONS ARE NAVD88 BASED ON THE ARDOT CONTINUOUSLY OPERATING REFERENCE STATIONS. CONTOUR INTERVAL = 1 FOOT.
 THIS IS A TOPOGRAPHIC SURVEY ONLY AND IN NO WAY SHOULD BE INTERPRETED AS A PROPERTY BOUNDARY SURVEY. ANY PROPERTY LINES SHOWN ARE FOR REFERENCE ONLY AND HAVE NOT BEEN VERIFIED.
 FIELD WORK FOR THIS SURVEY WAS COMPLETED MARCH, 2020.
 NO STATEMENT IS MADE CONCERNING SUBSURFACE CONDITIONS.
 BURIED UTILITIES AND SUBSURFACE STRUCTURES ARE SHOWN BASED ON VISUAL INSPECTION OF MANHOLES AND OTHER SURFACE FEATURES. McCLELLAND CONSULTING ENGINEERS HAS ACCURATELY DEPICTED THE UNDERGROUND AND SUBSURFACE FEATURES TO THE BEST OF THEIR KNOWLEDGE AND ABILITY. ANY CONSTRUCTION AT THIS SITE SHOULD ONLY BE DONE AFTER CONTACTING ARKANSAS ONE CALL AT 1-800-482-8998 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION.

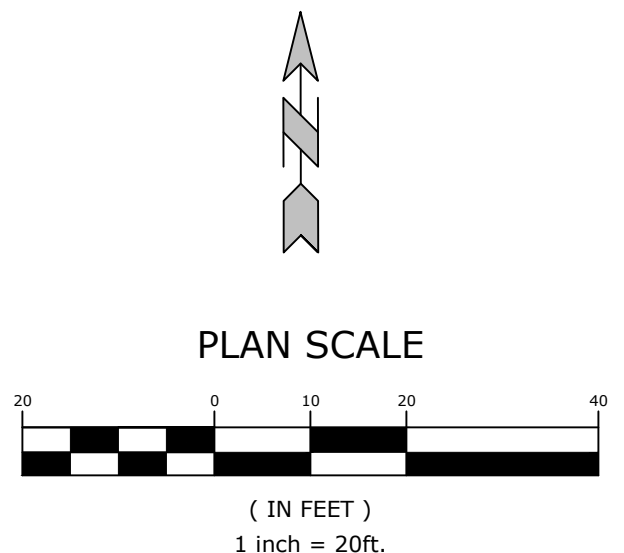
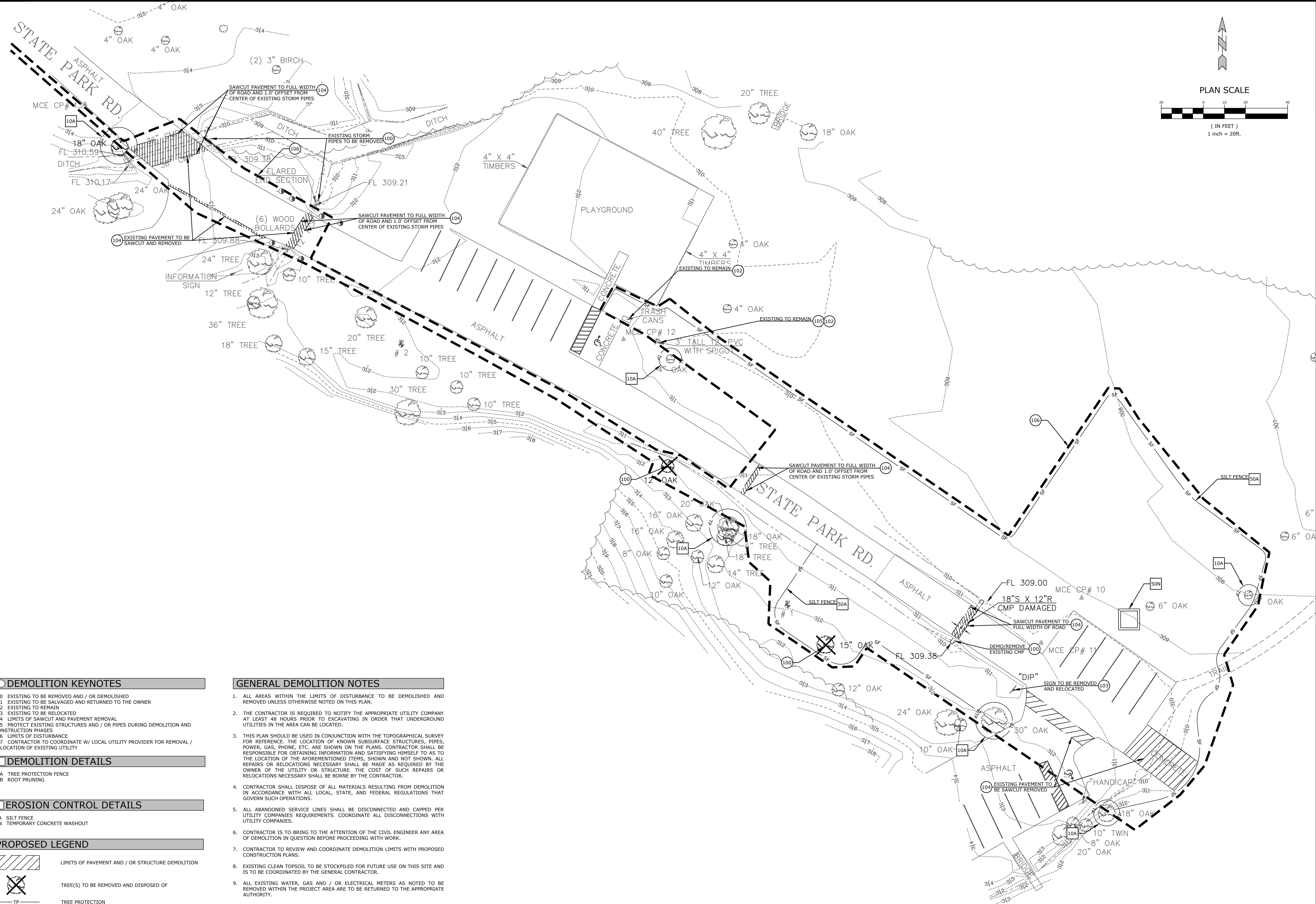
LEGEND

- ▲ SURVEY CONTROL MONUMENT (TYPE AS NOTED)
- ⊕ WATER VALVE
- SOIL BORE HOLE
- ⊙ TREE (TYPE AS NOTED)
- ⊙ BUSH
- ⊙ SIGN
- ⊙ POST OR POLE (TYPE AS NOTED)
- ===== STORM WATER LINE
- - - - - DITCH OR STREAM LINE

CONTROL DATA				
Point #	Northing	Easting	Elevation	Description
10	438529.1620	1703802.1580	309.16	1/2" REBAR & "MCE" CAP
11	438507.7890	1703782.9990	310.80	60D NAIL
12	438652.0050	1703584.6200	311.58	60D NAIL
13	438763.6230	1703328.9090	314.39	PK NAIL



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DEMOLITION KEYNOTES

- 100 EXISTING TO BE REMOVED AND / OR DEMOLISHED
- 101 EXISTING TO BE SALVAGED AND RETURNED TO THE OWNER
- 102 EXISTING TO REMAIN
- 103 EXISTING TO BE RELOCATED
- 104 LIMITS OF SAWCUT AND PAVEMENT REMOVAL
- 105 PROTECT EXISTING STRUCTURES AND / OR PIPES DURING DEMOLITION AND CONSTRUCTION PHASES
- 106 LIMITS OF DISTURBANCE
- 107 CONTRACTOR TO COORDINATE W/ LOCAL UTILITY PROVIDER FOR REMOVAL / RELOCATION OF EXISTING UTILITY

DEMOLITION DETAILS

- 10A TREE PROTECTION FENCE
- 10B ROOT PRUNING

EROSION CONTROL DETAILS

- 50A SILT FENCE
- 50N TEMPORARY CONCRETE WASHOUT

PROPOSED LEGEND

- LIMITS OF PAVEMENT AND / OR STRUCTURE DEMOLITION
- TREE(S) TO BE REMOVED AND DISPOSED OF
- TREE PROTECTION
- LIMITS OF DEMOLITION
- LAYDOWN / STORAGE AREA
- EROSION CONTROL FENCE

GENERAL DEMOLITION NOTES

1. ALL AREAS WITHIN THE LIMITS OF DISTURBANCE TO BE DEMOLISHED AND REMOVED UNLESS OTHERWISE NOTED ON THIS PLAN.
2. THE CONTRACTOR IS REQUIRED TO NOTIFY THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS PRIOR TO EXCAVATING IN ORDER THAT UNDERGROUND UTILITIES IN THE AREA CAN BE LOCATED.
3. THIS PLAN SHOULD BE USED IN CONJUNCTION WITH THE TOPOGRAPHICAL SURVEY FOR REFERENCE. THE LOCATION OF KNOWN SUBSURFACE STRUCTURES, PIPES, POWER, GAS, PHONE, ETC. ARE SHOWN ON THE PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING INFORMATION AND SATISFYING HIMSELF TO AS TO THE LOCATION OF THE AFOREMENTIONED ITEMS, SHOWN AND NOT SHOWN. ALL REPAIRS OR RELOCATIONS NECESSARY SHALL BE MADE AS REQUIRED BY THE OWNER OF THE UTILITY OR STRUCTURE. THE COST OF SUCH REPAIRS OR RELOCATIONS NECESSARY SHALL BE BORNE BY THE CONTRACTOR.
4. CONTRACTOR SHALL DISPOSE OF ALL MATERIALS RESULTING FROM DEMOLITION IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS THAT GOVERN SUCH OPERATIONS.
5. ALL ABANDONED SERVICE LINES SHALL BE DISCONNECTED AND CAPPED PER UTILITY COMPANIES REQUIREMENTS. COORDINATE ALL DISCONNECTIONS WITH UTILITY COMPANIES.
6. CONTRACTOR IS TO BRING TO THE ATTENTION OF THE CIVIL ENGINEER ANY AREA OF DEMOLITION IN QUESTION BEFORE PROCEEDING WITH WORK.
7. CONTRACTOR TO REVIEW AND COORDINATE DEMOLITION LIMITS WITH PROPOSED CONSTRUCTION PLANS.
8. EXISTING CLEAN TOPSOIL TO BE STOCKPILED FOR FUTURE USE ON THIS SITE AND IS TO BE COORDINATED BY THE GENERAL CONTRACTOR.
9. ALL EXISTING WATER, GAS AND / OR ELECTRICAL METERS AS NOTED TO BE REMOVED WITHIN THE PROJECT AREA ARE TO BE RETURNED TO THE APPROPRIATE AUTHORITY.

MCE
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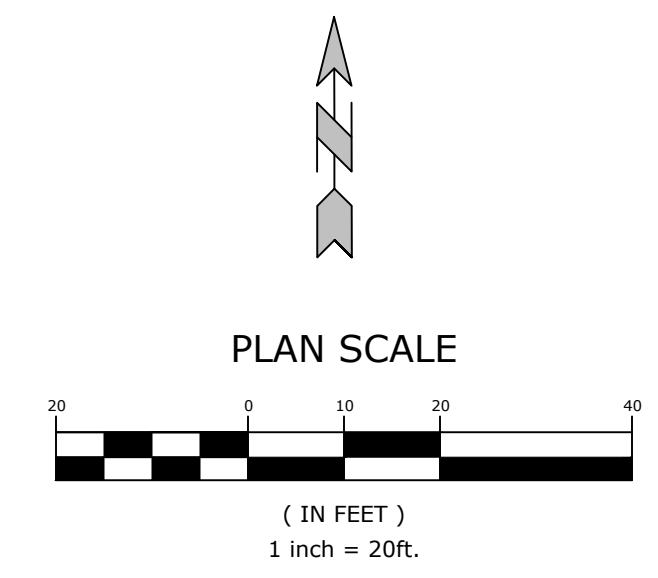
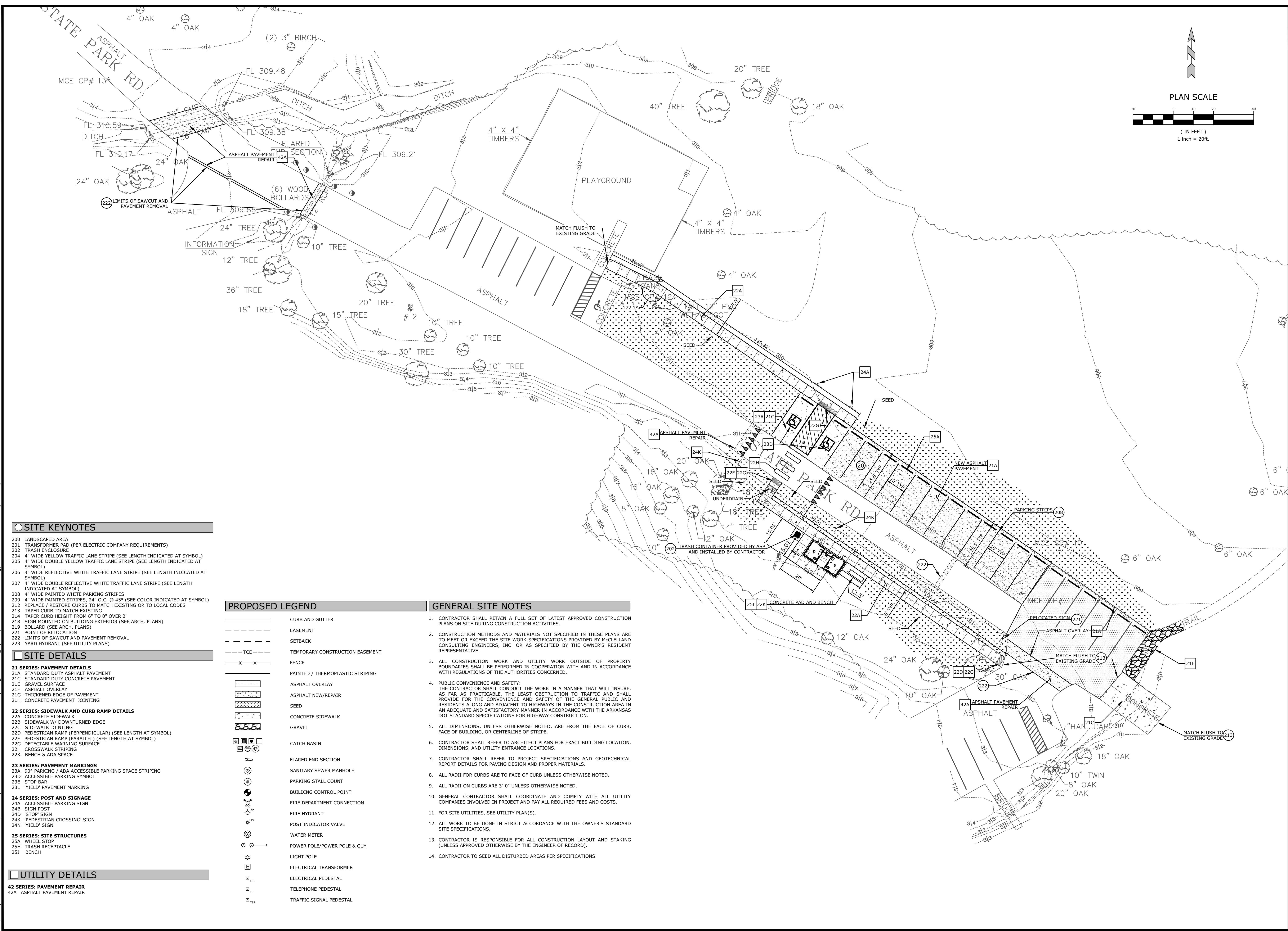


REVISIONS		DESCRIPTION
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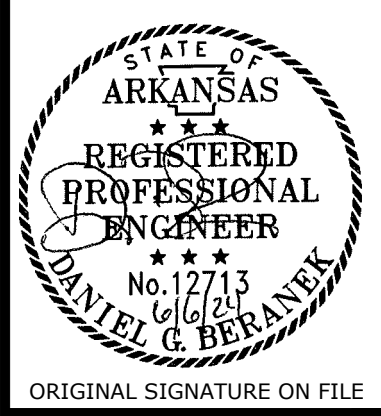
DEMOLITION & EROSION PLAN

DESIGNED BY: CEZ
 DRAWN BY: CEZ
 DATE: 06-06-2024
 REVISION: BID SET
 SCALE: 1" = 20'
 JOB NUMBER: 19-5825

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SITE KEYNOTES

- 200 LANDSCAPED AREA
- 201 TRANSFORMER PAD (PER ELECTRIC COMPANY REQUIREMENTS)
- 202 TRASH ENCLOSURE
- 204 4" WIDE YELLOW TRAFFIC LANE STRIPE (SEE LENGTH INDICATED AT SYMBOL)
- 205 4" WIDE DOUBLE YELLOW TRAFFIC LANE STRIPE (SEE LENGTH INDICATED AT SYMBOL)
- 206 4" WIDE REFLECTIVE WHITE TRAFFIC LANE STRIPE (SEE LENGTH INDICATED AT SYMBOL)
- 207 4" WIDE DOUBLE REFLECTIVE WHITE TRAFFIC LANE STRIPE (SEE LENGTH INDICATED AT SYMBOL)
- 208 4" WIDE PAINTED WHITE PARKING STRIPES
- 209 4" WIDE PAINTED STRIPES, 24" O.C. @ 45° (SEE COLOR INDICATED AT SYMBOL)
- 212 REPLACE / RESTORE CURBS TO MATCH EXISTING OR TO LOCAL CODES
- 213 TAPER CURB TO MATCH EXISTING
- 214 TAPER CURB HEIGHT FROM 6" TO 0" OVER 2'
- 218 SIGN MOUNTED ON BUILDING EXTERIOR (SEE ARCH. PLANS)
- 219 BOLLARD (SEE ARCH. PLANS)
- 221 POINT OF RELOCATION
- 222 LIMITS OF SAWCUT AND PAVEMENT REMOVAL
- 223 YARD HYDRANT (SEE UTILITY PLANS)

SITE DETAILS

- 21 SERIES: PAVEMENT DETAILS**
- 21A STANDARD DUTY ASPHALT PAVEMENT
- 21C STANDARD DUTY CONCRETE PAVEMENT
- 21E ASPHALT SURFACE
- 21F ASPHALT OVERLAY
- 21G THICKENED EDGE OF PAVEMENT
- 21H CONCRETE PAVEMENT JOINTING
- 22 SERIES: SIDEWALK AND CURB RAMP DETAILS**
- 22A CONCRETE SIDEWALK
- 22B SIDEWALK W/ DOWNTURNED EDGE
- 22C SIDEWALK JOINTING
- 22D PEDESTRIAN RAMP (PERPENDICULAR) (SEE LENGTH AT SYMBOL)
- 22F PEDESTRIAN RAMP (PARALLEL) (SEE LENGTH AT SYMBOL)
- 22G DETECTABLE WARNING SURFACE
- 22H CROSSWALK STRIPING
- 22K BENCH & ADA SPACE
- 23 SERIES: PAVEMENT MARKINGS**
- 23A 30" PARKING / ADA ACCESSIBLE PARKING SPACE STRIPING
- 23D ACCESSIBLE PARKING SYMBOL
- 23E STOP BAR
- 23L "YIELD" PAVEMENT MARKING
- 24 SERIES: POST AND SIGNAGE**
- 24A ACCESSIBLE PARKING SIGN
- 24B SIGN POST
- 24D "STOP" SIGN
- 24K "PEDESTRIAN CROSSING" SIGN
- 24N "YIELD" SIGN
- 25 SERIES: SITE STRUCTURES**
- 25A WHEEL STOP
- 25H TRASH RECEPTACLE
- 25I BENCH

UTILITY DETAILS

- 42 SERIES: PAVEMENT REPAIR**
- 42A ASPHALT PAVEMENT REPAIR

PROPOSED LEGEND

- CURB AND GUTTER
- - - EASEMENT
- - - SETBACK
- - - TCE - TEMPORARY CONSTRUCTION EASEMENT
- - - FENCE
- - - PAINTED / THERMOPLASTIC STRIPING
- ASPHALT OVERLAY
- ASPHALT NEW/REPAIR
- SEED
- CONCRETE SIDEWALK
- GRAVEL
- CATCH BASIN
- FLARED END SECTION
- SANITARY SEWER MANHOLE
- PARKING STALL COUNT
- BUILDING CONTROL POINT
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- POST INDICATOR VALVE
- WATER METER
- POWER POLE/POWER POLE & GUY
- LIGHT POLE
- ELECTRICAL TRANSFORMER
- ELECTRICAL PEDESTAL
- TELEPHONE PEDESTAL
- TRAFFIC SIGNAL PEDESTAL

GENERAL SITE NOTES

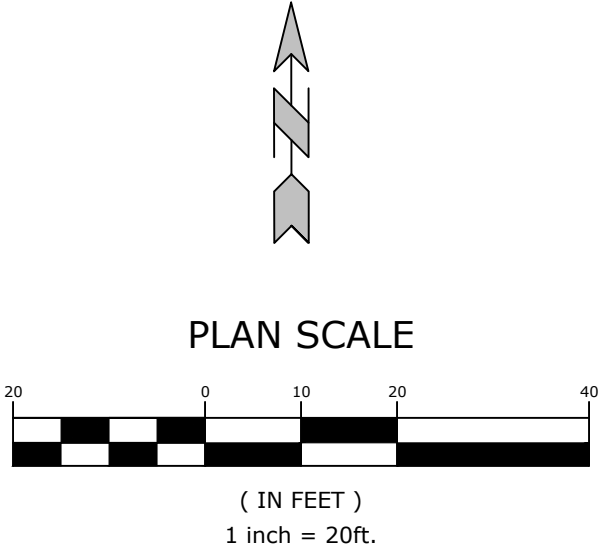
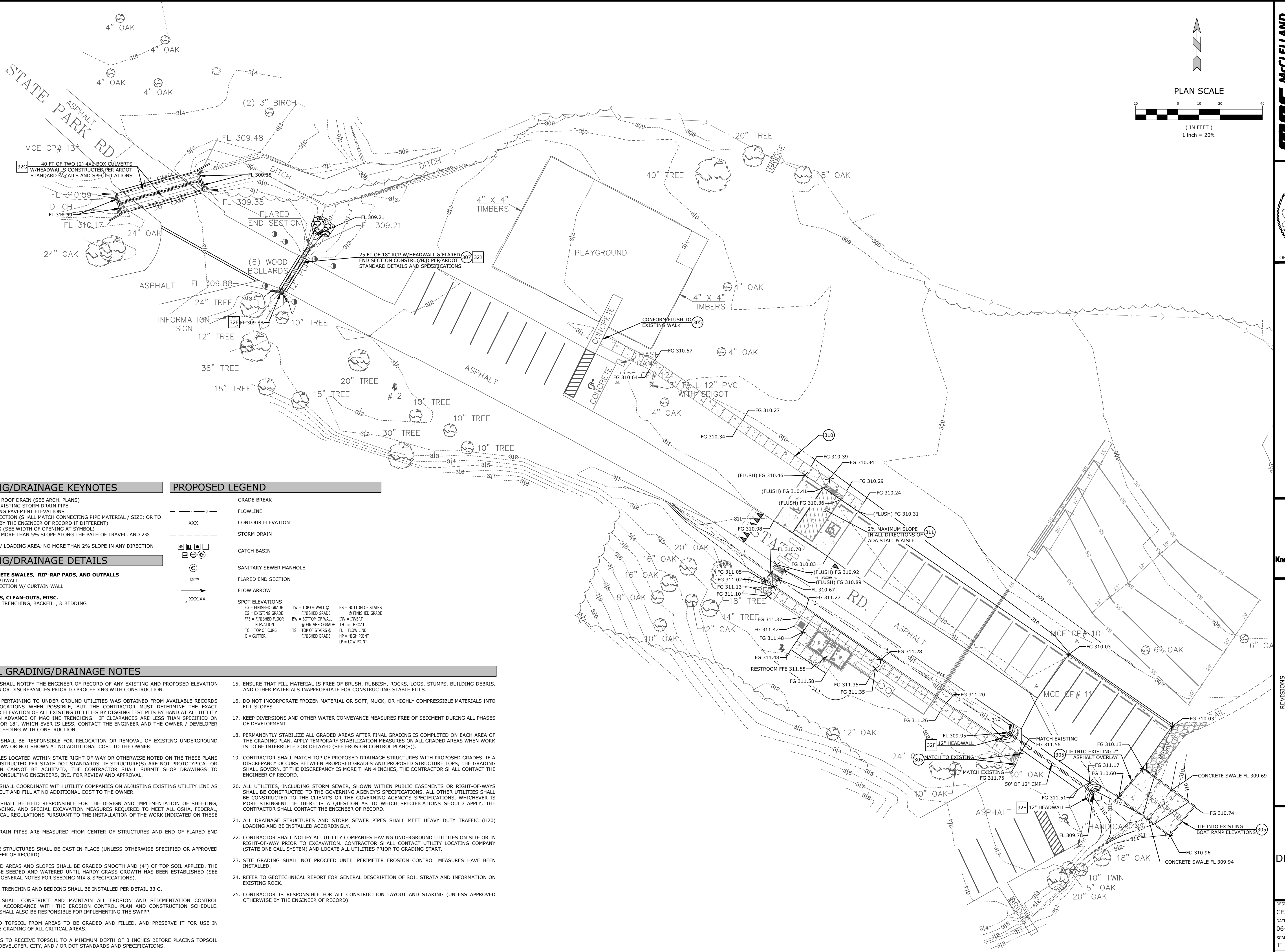
1. CONTRACTOR SHALL RETAIN A FULL SET OF LATEST APPROVED CONSTRUCTION PLANS ON SITE DURING CONSTRUCTION ACTIVITIES.
2. CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED IN THESE PLANS ARE TO MEET OR EXCEED THE SITE WORK SPECIFICATIONS PROVIDED BY McCLELLAND CONSULTING ENGINEERS, INC. OR AS SPECIFIED BY THE OWNER'S RESIDENT REPRESENTATIVE.
3. ALL CONSTRUCTION WORK AND UTILITY WORK OUTSIDE OF PROPERTY BOUNDARIES SHALL BE PERFORMED IN COOPERATION WITH AND IN ACCORDANCE WITH REGULATIONS OF THE AUTHORITIES CONCERNED.
4. PUBLIC CONVENIENCE AND SAFETY: THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL INSURE, AS FAR AS PRACTICABLE, THE LEAST OBSTRUCTION TO TRAFFIC AND SHALL PROVIDE FOR THE CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC AND RESIDENTS ALONG AND ADJACENT TO HIGHWAYS IN THE CONSTRUCTION AREA IN AN ADEQUATE AND SATISFACTORY MANNER IN ACCORDANCE WITH THE ARKANSAS DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
5. ALL DIMENSIONS, UNLESS OTHERWISE NOTED, ARE FROM THE FACE OF CURB, FACE OF BUILDING, OR CENTERLINE OF STRIPE.
6. CONTRACTOR SHALL REFER TO ARCHITECT PLANS FOR EXACT BUILDING LOCATION, DIMENSIONS, AND UTILITY ENTRANCE LOCATIONS.
7. CONTRACTOR SHALL REFER TO PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT DETAILS FOR PAVING DESIGN AND PROPER MATERIALS.
8. ALL RADII FOR CURBS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
9. ALL RADII ON CURBS ARE 3'-0" UNLESS OTHERWISE NOTED.
10. GENERAL CONTRACTOR SHALL COORDINATE AND COMPLY WITH ALL UTILITY COMPANIES INVOLVED IN PROJECT AND PAY ALL REQUIRED FEES AND COSTS.
11. FOR SITE UTILITIES, SEE UTILITY PLAN(S).
12. ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH THE OWNER'S STANDARD SITE SPECIFICATIONS.
13. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND STAKING (UNLESS APPROVED OTHERWISE BY THE ENGINEER OF RECORD).
14. CONTRACTOR TO SEED ALL DISTURBED AREAS PER SPECIFICATIONS.

REV	DATE	DESCRIPTION

SITE PLAN

DESIGNED BY: CEZ	DRAWN BY: CEZ
DATE: 06-06-2024	REVISION: BID SET
SCALE: 1" = 20'	JOB NUMBER: 19-5825

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GRADING/DRAINAGE KEYNOTES

- 300 DOWNSPOUT / ROOF DRAIN (SEE ARCH. PLANS)
- 304 CONNECT TO EXISTING STORM DRAIN PIPE
- 305 MATCH EXISTING PAVEMENT ELEVATIONS
- 307 FLARED END SECTION (SHALL MATCH CONNECTING PIPE MATERIAL / SIZE; OR TO BE APPROVED BY THE ENGINEER OF RECORD IF DIFFERENT)
- 309 CURB OPENING (SEE WIDTH OF OPENING AT SYMBOL)
- 310 ADA PATH, NO MORE THAN 5% SLOPE ALONG THE PATH OF TRAVEL, AND 2% CROSS SLOPE
- 311 ADA LANDING / LOADING AREA. NO MORE THAN 2% SLOPE IN ANY DIRECTION

GRADING/DRAINAGE DETAILS

- 32 SERIES: CONCRETE SWALES, RIP-RAP PADS, AND OUTFALLS**
- 32F CONCRETE HEADWALL
- 32J FLARED END SECTION W/ CURTAIN WALL
- 33 SERIES: DRAINS, CLEAN-OUTS, MISC.**
- 33G STORM SEWER TRENCHING, BACKFILL, & BEDDING

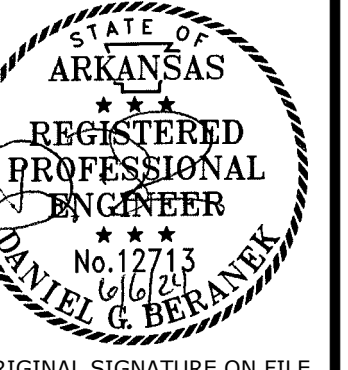
PROPOSED LEGEND

- GRADE BREAK
- FLOWLINE
- CONTOUR ELEVATION
- STORM DRAIN
- CATCH BASIN
- SANITARY SEWER MANHOLE
- FLARED END SECTION
- FLOW ARROW
- SPOT ELEVATIONS
 - FG = FINISHED GRADE
 - FE = FINISHED FLOOR
 - ELEVATION
 - TC = TOP OF CURB
 - G = GUTTER
 - TW = TOP OF WALL @ FINISHED GRADE
 - BW = BOTTOM OF WALL @ FINISHED GRADE
 - TH = THROAT @ FINISHED GRADE
 - FL = FLOW LINE @ FINISHED GRADE
 - HP = HIGH POINT
 - LP = LOW POINT
 - BS = BOTTOM OF STAIRS @ FINISHED GRADE
 - INV = INVERT @ FINISHED GRADE

GENERAL GRADING/DRAINAGE NOTES

1. CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY EXISTING AND PROPOSED ELEVATION INACCURACIES OR DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. INFORMATION PERTAINING TO UNDER GROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD LOCATIONS WHEN POSSIBLE, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS IN ADVANCE OF MACHINE TRENCHING. IF CLEARANCES ARE LESS THAN SPECIFIED ON THESE PLANS OR 18" WHICH EVER IS LESS, CONTACT THE ENGINEER AND THE OWNER / DEVELOPER PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OR REMOVAL OF EXISTING UNDERGROUND UTILITIES SHOWN OR NOT SHOWN AT NO ADDITIONAL COST TO THE OWNER.
4. ALL STRUCTURES LOCATED WITHIN STATE RIGHT-OF-WAY OR OTHERWISE NOTED ON THESE PLANS SHALL BE CONSTRUCTED PER STATE DOT STANDARDS. IF STRUCTURES ARE NOT PROTOTYPICAL OR CONSTRUCTION CANNOT BE ACHIEVED, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO MCLELLAND CONSULTING ENGINEERS, INC. FOR REVIEW AND APPROVAL.
5. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES ON ADJUSTING EXISTING UTILITY LINE AS REQUIRED BY CUT AND FILL AT NO ADDITIONAL COST TO THE OWNER.
6. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SHEETING, SHORING, BRACING, AND SPECIAL EXCAVATION MEASURES REQUIRED TO MEET ALL OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THESE DRAWINGS.
7. ALL STORM DRAIN PIPES ARE MEASURED FROM CENTER OF STRUCTURES AND END OF FLARED END SECTIONS.
8. ALL DRAINAGE STRUCTURES SHALL BE CAST-IN-PLACE (UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE ENGINEER OF RECORD).
9. ALL DISTURBED AREAS AND SLOPES SHALL BE GRADED SMOOTH AND (4") OF TOP SOIL APPLIED. THE AREA SHALL BE SEEDED AND WATERED UNTIL HARDY GRASS GROWTH HAS BEEN ESTABLISHED (SEE LANDSCAPING GENERAL NOTES FOR SEEDING MIX & SPECIFICATIONS).
10. STORM SEWER TRENCHING AND BEDDING SHALL BE INSTALLED PER DETAIL 33 G.
11. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL PRACTICES IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND CONSTRUCTION SCHEDULE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR IMPLEMENTING THE SWPPP.
12. REMOVE GOOD TOPSOIL FROM AREAS TO BE GRADED AND FILLED, AND PRESERVE IT FOR USE IN FINISHING THE GRADING OF ALL CRITICAL AREAS.
13. SCARIFY AREAS TO RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 3 INCHES BEFORE PLACING TOPSOIL PER OWNER / DEVELOPER, CITY, AND / OR DOT STANDARDS AND SPECIFICATIONS.
14. CLEAR AND GRUB AREAS TO BE FILLED, REMOVE TREES, VEGETATION, ROOTS, DEBRIS, AND OTHER MATERIALS THAT WOULD AFFECT THE STABILITY OF THE FILL.
15. ENSURE THAT FILL MATERIAL IS FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER MATERIALS INAPPROPRIATE FOR CONSTRUCTING STABLE FILLS.
16. DO NOT INCORPORATE FROZEN MATERIAL OR SOFT, MUCK, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL SLOPES.
17. KEEP DIVERSIONS AND OTHER WATER CONVEYANCE MEASURES FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
18. PERMANENTLY STABILIZE ALL GRADED AREAS AFTER FINAL GRADING IS COMPLETED ON EACH AREA OF THE GRADING PLAN. APPLY TEMPORARY STABILIZATION MEASURES ON ALL GRADED AREAS WHEN WORK IS TO BE INTERRUPTED OR DELAYED (SEE EROSION CONTROL PLAN(S)).
19. CONTRACTOR SHALL MATCH TOP OF PROPOSED DRAINAGE STRUCTURES WITH PROPOSED GRADES. IF A DISCREPANCY OCCURS BETWEEN PROPOSED GRADES AND PROPOSED STRUCTURE TOPS, THE GRADING SHALL GOVERN. IF THE DISCREPANCY IS MORE THAN 4 INCHES, THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD.
20. ALL UTILITIES, INCLUDING STORM SEWER, SHOWN WITHIN PUBLIC EASEMENTS OR RIGHT-OF-WAYS SHALL BE CONSTRUCTED TO THE GOVERNING AGENCY'S SPECIFICATIONS. ALL OTHER UTILITIES SHALL BE CONSTRUCTED TO THE CLIENT'S OR THE GOVERNING AGENCY'S SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. IF THERE IS A QUESTION AS TO WHICH SPECIFICATIONS SHOULD APPLY, THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD.
21. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.
22. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY (STATE ONE CALL SYSTEM) AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
23. SITE GRADING SHALL NOT PROCEED UNTIL PERIMETER EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
24. REFER TO GEOTECHNICAL REPORT FOR GENERAL DESCRIPTION OF SOIL STRATA AND INFORMATION ON EXISTING ROCK.
25. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND STAKING (UNLESS APPROVED OTHERWISE BY THE ENGINEER OF RECORD).

MCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO STATE STANDARDS
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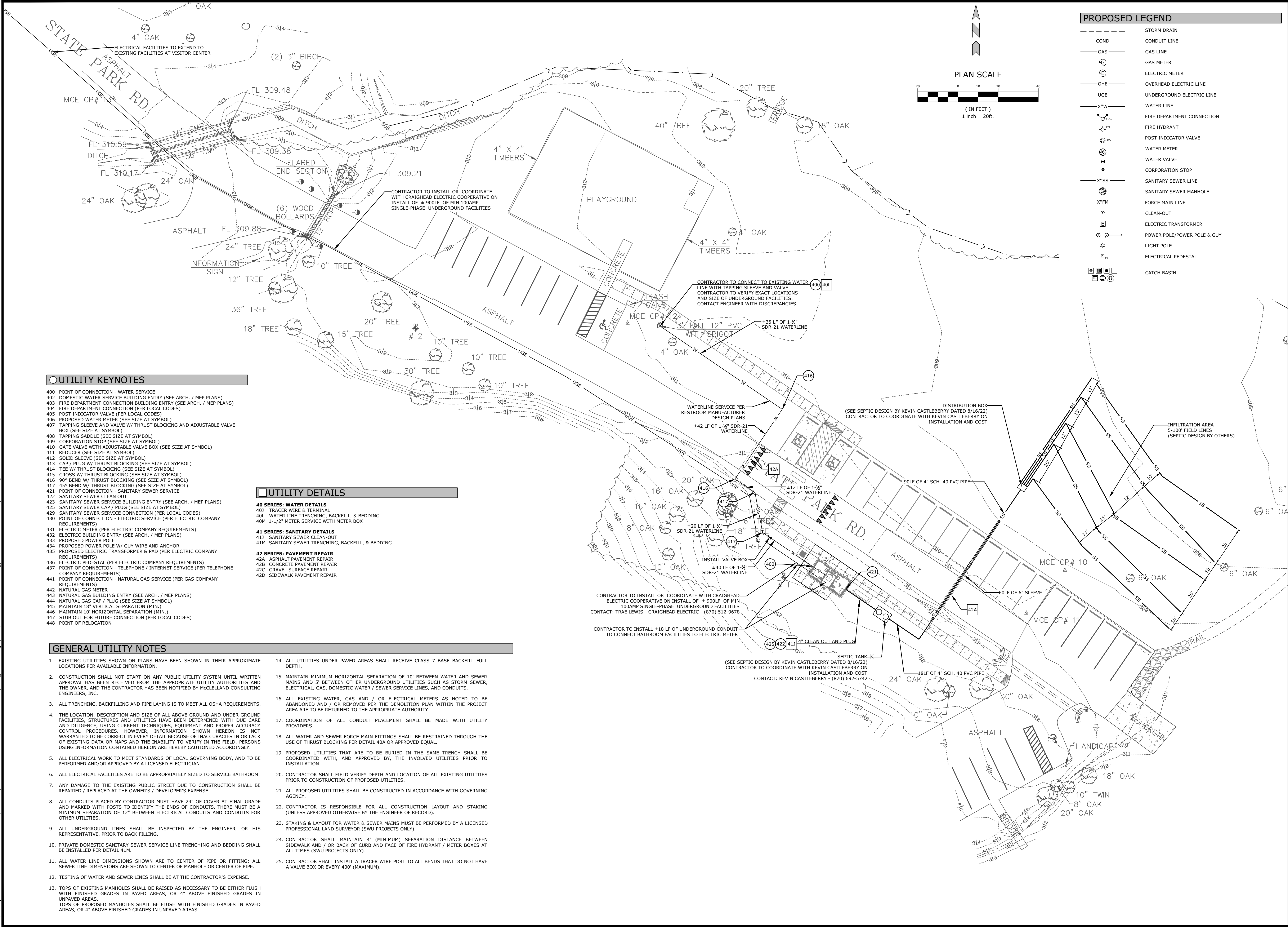
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GRADING & DRAINAGE PLAN

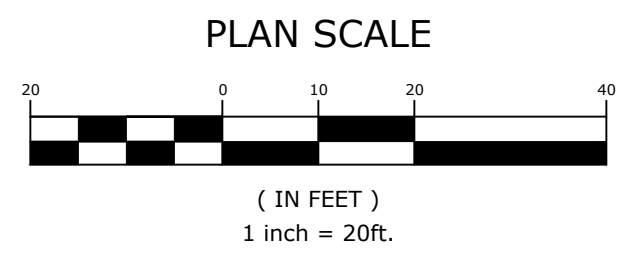
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PROPOSED LEGEND	
	STORM DRAIN
	CONDUIT LINE
	GAS LINE
	GAS METER
	ELECTRIC METER
	OVERHEAD ELECTRIC LINE
	UNDERGROUND ELECTRIC LINE
	WATER LINE
	FIRE DEPARTMENT CONNECTION
	FIRE HYDRANT
	POST INDICATOR VALVE
	WATER METER
	WATER VALVE
	CORPORATION STOP
	SANITARY SEWER LINE
	SANITARY SEWER MANHOLE
	FORCE MAIN LINE
	CLEAN-OUT
	ELECTRIC TRANSFORMER
	POWER POLE/POWER POLE & GUY
	LIGHT POLE
	ELECTRICAL PEDESTAL
	CATCH BASIN



UTILITY KEYNOTES

- 400 POINT OF CONNECTION - WATER SERVICE
- 402 DOMESTIC WATER SERVICE BUILDING ENTRY (SEE ARCH. / MEP PLANS)
- 403 FIRE DEPARTMENT CONNECTION BUILDING ENTRY (SEE ARCH. / MEP PLANS)
- 404 FIRE DEPARTMENT CONNECTION (PER LOCAL CODES)
- 405 POST INDICATOR VALVE (PER LOCAL CODES)
- 406 PROPOSED WATER METER (SEE SIZE AT SYMBOL)
- 407 TAPPING SLEEVE AND VALVE W/ THRUST BLOCKING AND ADJUSTABLE VALVE BOX (SEE SIZE AT SYMBOL)
- 408 TAPPING SADDLE (SEE SIZE AT SYMBOL)
- 409 CORPORATION STOP (SEE SIZE AT SYMBOL)
- 410 GATE VALVE WITH ADJUSTABLE VALVE BOX (SEE SIZE AT SYMBOL)
- 411 REDUCER (SEE SIZE AT SYMBOL)
- 412 SOLID SLEEVE (SEE SIZE AT SYMBOL)
- 413 CAP / PLUG W/ THRUST BLOCKING (SEE SIZE AT SYMBOL)
- 414 TEE W/ THRUST BLOCKING (SEE SIZE AT SYMBOL)
- 415 CROSS W/ THRUST BLOCKING (SEE SIZE AT SYMBOL)
- 416 90° BEND W/ THRUST BLOCKING (SEE SIZE AT SYMBOL)
- 417 45° BEND W/ THRUST BLOCKING (SEE SIZE AT SYMBOL)
- 421 POINT OF CONNECTION - SANITARY SEWER SERVICE
- 422 SANITARY SEWER CLEAN OUT
- 423 SANITARY SEWER SERVICE BUILDING ENTRY (SEE ARCH. / MEP PLANS)
- 424 SANITARY SEWER CAP / PLUGS (SEE SIZE AT SYMBOL)
- 429 SANITARY SEWER SERVICE CONNECTION (PER LOCAL CODES)
- 430 POINT OF CONNECTION - ELECTRIC SERVICE (PER ELECTRIC COMPANY REQUIREMENTS)
- 431 ELECTRIC METER (PER ELECTRIC COMPANY REQUIREMENTS)
- 432 ELECTRIC BUILDING ENTRY (SEE ARCH. / MEP PLANS)
- 433 PROPOSED POWER POLE
- 434 PROPOSED POWER POLE W/ GUY WIRE AND ANCHOR
- 435 PROPOSED ELECTRIC TRANSFORMER & PAD (PER ELECTRIC COMPANY REQUIREMENTS)
- 436 ELECTRIC PEDESTAL (PER ELECTRIC COMPANY REQUIREMENTS)
- 437 POINT OF CONNECTION - TELEPHONE / INTERNET SERVICE (PER TELEPHONE COMPANY REQUIREMENTS)
- 441 POINT OF CONNECTION - NATURAL GAS SERVICE (PER GAS COMPANY REQUIREMENTS)
- 442 NATURAL GAS METER
- 443 NATURAL GAS BUILDING ENTRY (SEE ARCH. / MEP PLANS)
- 444 NATURAL GAS CAP / PLUG (SEE SIZE AT SYMBOL)
- 445 MAINTAIN 18" VERTICAL SEPARATION (MIN.)
- 446 MAINTAIN 10" HORIZONTAL SEPARATION (MIN.)
- 447 STUB OUT FOR FUTURE CONNECTION (PER LOCAL CODES)
- 448 POINT OF RELOCATION

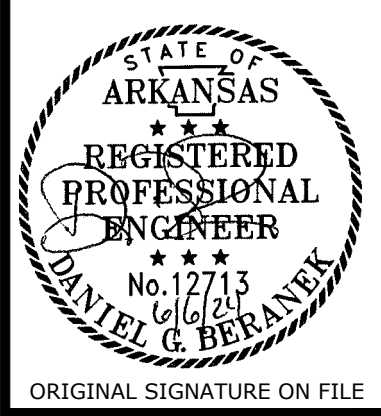
UTILITY DETAILS

- 40 SERIES: WATER DETAILS**
- 40J TRACER WIRE & TERMINAL
- 40L WATER LINE TRENCHING, BACKFILL, & BEDDING
- 40M 1-1/2" METER SERVICE WITH METER BOX
- 41 SERIES: SANITARY DETAILS**
- 41J SANITARY SEWER CLEAN-OUT
- 41M SANITARY SEWER TRENCHING, BACKFILL, & BEDDING
- 42 SERIES: PAVEMENT REPAIR**
- 42A ASPHALT PAVEMENT REPAIR
- 42B CONCRETE PAVEMENT REPAIR
- 42C GRAVEL SURFACE REPAIR
- 42D SIDEWALK PAVEMENT REPAIR

GENERAL UTILITY NOTES

1. EXISTING UTILITIES SHOWN ON PLANS HAVE BEEN SHOWN IN THEIR APPROXIMATE LOCATIONS PER AVAILABLE INFORMATION.
2. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED FROM THE APPROPRIATE UTILITY AUTHORITIES AND THE OWNER, AND THE CONTRACTOR HAS BEEN NOTIFIED BY McCLELLAND CONSULTING ENGINEERS, INC.
3. ALL TRENCHING, BACKFILLING AND PIPE LAYING IS TO MEET ALL OSHA REQUIREMENTS.
4. THE LOCATION, DESCRIPTION AND SIZE OF ALL ABOVE-GROUND AND UNDER-GROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN DETERMINED WITH DUE CARE AND DILIGENCE, USING CURRENT TECHNIQUES, EQUIPMENT AND PROPER ACCURACY CONTROL PROCEDURES. HOWEVER, INFORMATION SHOWN HEREON IS NOT WARRANTED TO BE CORRECT IN EVERY DETAIL BECAUSE OF INACCURACIES IN OR LACK OF EXISTING DATA OR MAPS AND THE INABILITY TO VERIFY IN THE FIELD. PERSONS USING INFORMATION CONTAINED HEREON ARE HEREBY CAUTIONED ACCORDINGLY.
5. ALL ELECTRICAL WORK TO MEET STANDARDS OF LOCAL GOVERNING BODY, AND TO BE PERFORMED AND/OR APPROVED BY A LICENSED ELECTRICIAN.
6. ALL ELECTRICAL FACILITIES ARE TO BE APPROPRIATELY SIZED TO SERVICE BATHROOM.
7. ANY DAMAGE TO THE EXISTING PUBLIC STREET DUE TO CONSTRUCTION SHALL BE REPAIRED / REPLACED AT THE OWNER'S / DEVELOPER'S EXPENSE.
8. ALL CONDUITS PLACED BY CONTRACTOR MUST HAVE 24" OF COVER AT FINAL GRADE AND MARKED WITH POSTS TO IDENTIFY THE ENDS OF CONDUITS. THERE MUST BE A MINIMUM SEPARATION OF 12" BETWEEN ELECTRICAL CONDUITS AND CONDUITS FOR OTHER UTILITIES.
9. ALL UNDERGROUND LINES SHALL BE INSPECTED BY THE ENGINEER, OR HIS REPRESENTATIVE, PRIOR TO BACK FILLING.
10. PRIVATE DOMESTIC SANITARY SEWER SERVICE LINE TRENCHING AND BEDDING SHALL BE INSTALLED PER DETAIL 41M.
11. ALL WATER LINE DIMENSIONS SHOWN ARE TO CENTER OF PIPE OR FITTING; ALL SEWER LINE DIMENSIONS ARE SHOWN TO CENTER OF MANHOLE OR CENTER OF PIPE.
12. TESTING OF WATER AND SEWER LINES SHALL BE AT THE CONTRACTOR'S EXPENSE.
13. TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE EITHER FLUSH WITH FINISHED GRADES IN PAVED AREAS, OR 4" ABOVE FINISHED GRADES IN UNPAVED AREAS. TOPS OF PROPOSED MANHOLES SHALL BE FLUSH WITH FINISHED GRADES IN PAVED AREAS, OR 4" ABOVE FINISHED GRADES IN UNPAVED AREAS.
14. ALL UTILITIES UNDER PAVED AREAS SHALL RECEIVE CLASS 7 BASE BACKFILL FULL DEPTH.
15. MAINTAIN MINIMUM HORIZONTAL SEPARATION OF 10" BETWEEN WATER AND SEWER MAINS AND 5' BETWEEN OTHER UNDERGROUND UTILITIES SUCH AS STORM SEWER, ELECTRICAL, GAS, DOMESTIC WATER / SEWER SERVICE LINES, AND CONDUITS.
16. ALL EXISTING WATER, GAS AND / OR ELECTRICAL METERS AS NOTED TO BE ABANDONED AND / OR REMOVED PER THE DEMOLITION PLAN WITHIN THE PROJECT AREA ARE TO BE RETURNED TO THE APPROPRIATE AUTHORITY.
17. COORDINATION OF ALL CONDUIT PLACEMENT SHALL BE MADE WITH UTILITY PROVIDERS.
18. ALL WATER AND SEWER FORCE MAIN FITTINGS SHALL BE RESTRAINED THROUGH THE USE OF THRUST BLOCKING PER DETAIL 40A OR APPROVED EQUAL.
19. PROPOSED UTILITIES THAT ARE TO BE BURIED IN THE SAME TRENCH SHALL BE COORDINATED WITH, AND APPROVED BY, THE INVOLVED UTILITIES PRIOR TO INSTALLATION.
20. CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION OF PROPOSED UTILITIES.
21. ALL PROPOSED UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH GOVERNING AGENCY.
22. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND STAKING (UNLESS APPROVED OTHERWISE BY THE ENGINEER OF RECORD).
23. STAKING & LAYOUT FOR WATER & SEWER MAINS MUST BE PERFORMED BY A LICENSED PROFESSIONAL LAND SURVEYOR (SWU PROJECTS ONLY).
24. CONTRACTOR SHALL MAINTAIN 4" (MINIMUM) SEPARATION DISTANCE BETWEEN SIDEWALK AND / OR BACK OF CURB AND FACE OF FIRE HYDRANT / METER BOXES AT ALL TIMES (SWU PROJECTS ONLY).
25. CONTRACTOR SHALL INSTALL A TRACER WIRE PORT TO ALL BENDS THAT DO NOT HAVE A VALVE BOX OR EVERY 400' (MAXIMUM).

MCE McClelland Consulting Engineers, Inc.
 7302 KANIS ROAD
 LITTLE ROCK, ARKANSAS 72204
 (501) 371-0272
 HTTP://WWW.MCE.US.COM



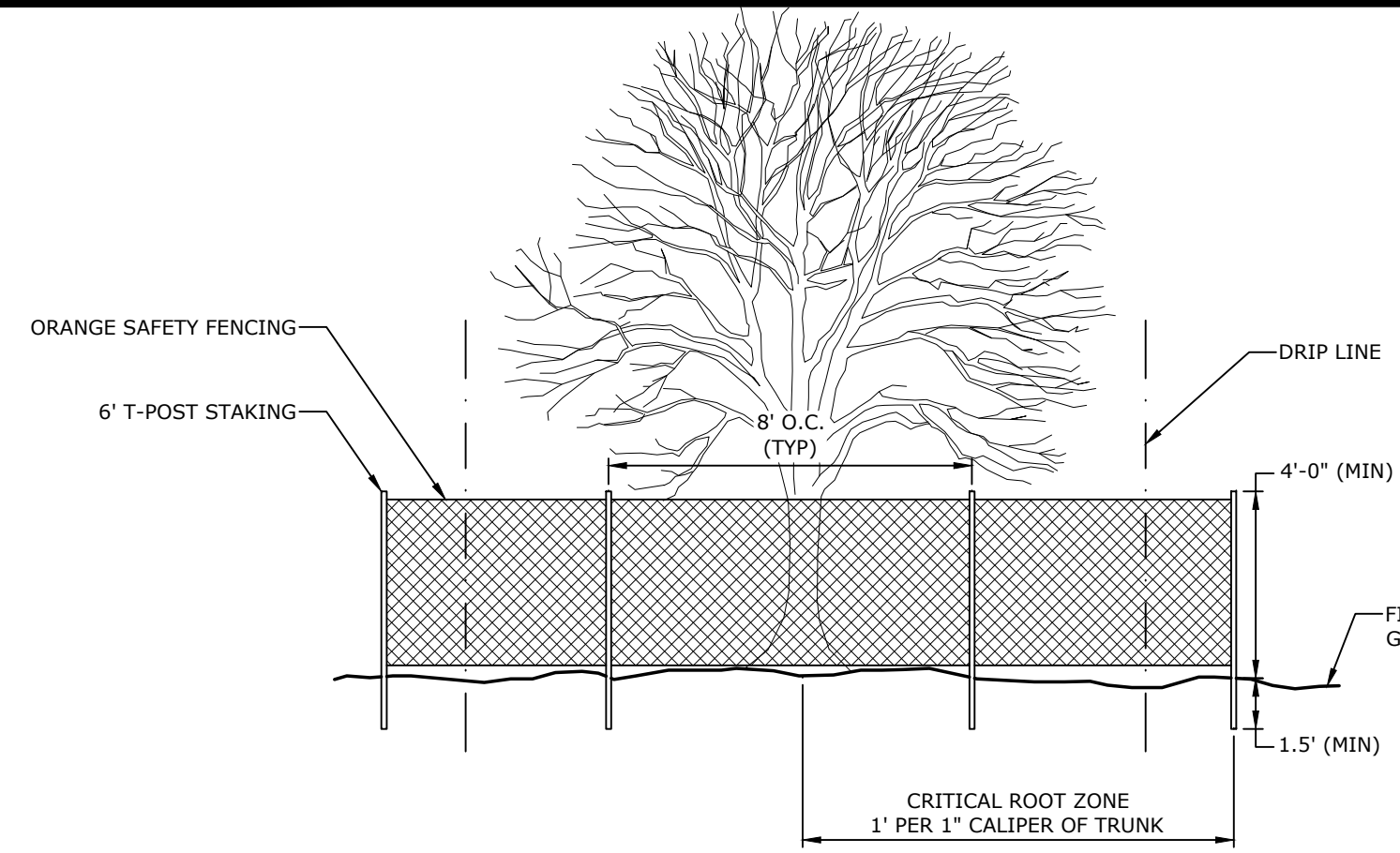
DAY USE IMPROVEMENTS
 LAKE POINSETT STATE PARK
 5752 STATE PARK RD
 HARRISBURG, ARKANSAS
 DBA#9002317



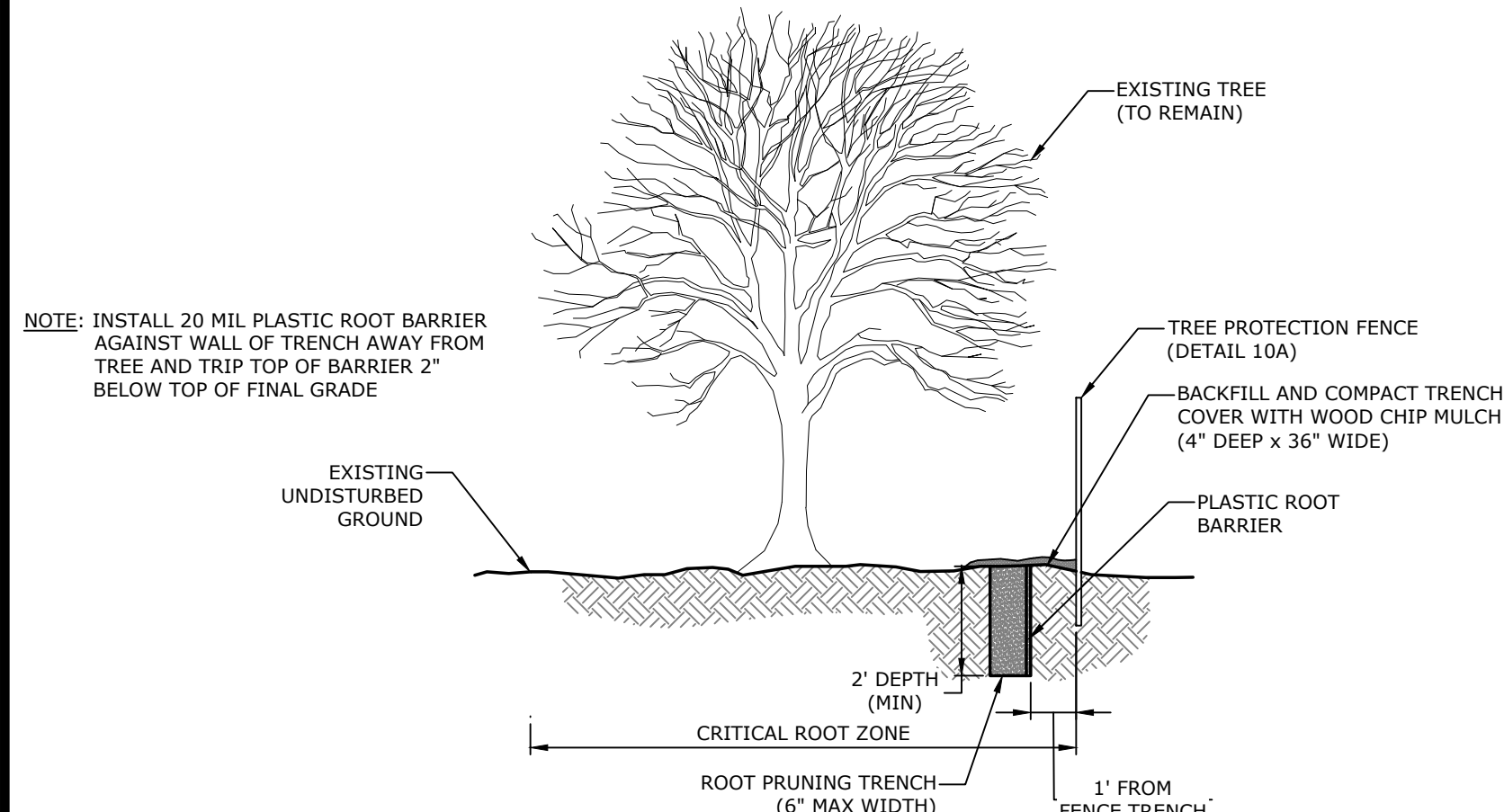
REV	DATE	DESCRIPTION

UTILITY PLAN	
DESIGNED BY: CEZ	DRAWN BY: CEZ
DATE: 06-06-2024	REVISION:
SCALE: 1" = 20'	JOB NUMBER: 19-5825
C-3	

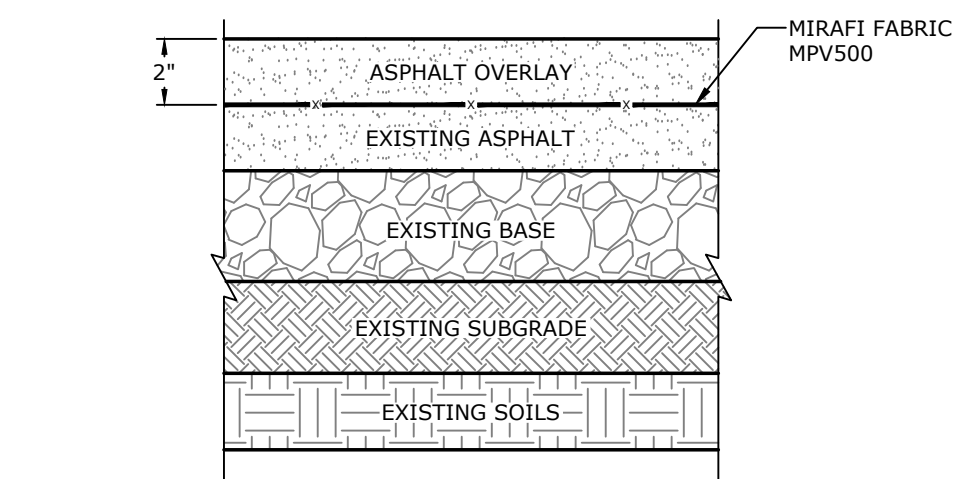
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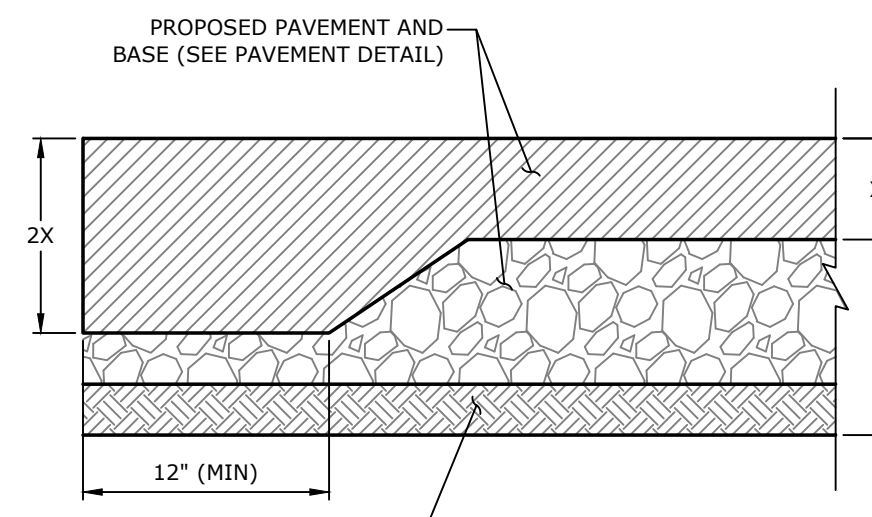
10A TREE PROTECTION FENCE
NTS



10B ROOT PRUNING
NTS



21F ASPHALT OVERLAY
NTS



21G THICKENED EDGE OF PAVEMENT
NTS

- NOTES:**
1. MATERIALS TO BE COMPACTED AT OPTIMAL MOISTURE CONTENT BASED UPON GEOTECHNICAL RECOMMENDATIONS.
 2. ACHM SURFACE COURSE SHALL ADHERE TO SECTION 407, TABLE 407-1 (TYPE II), AHTD STANDARD SPECIFICATIONS, 1996 EDITION.
 3. BASE COURSE SHALL ADHERE TO SECTION 303, AHTD STANDARD SPECIFICATIONS, 2014 EDITION.

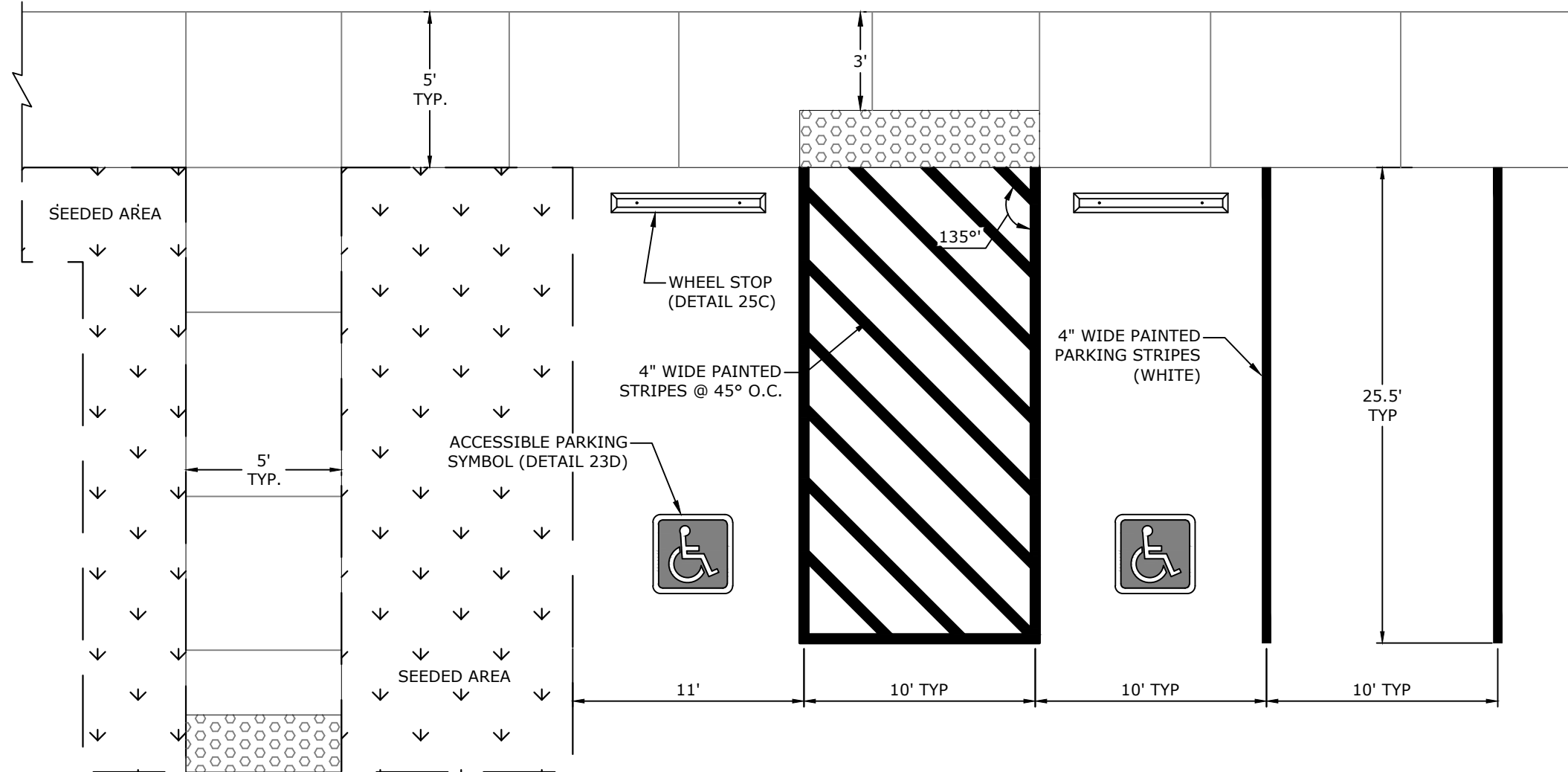
- NOTES:**
1. SELECT FILL MATERIAL TO BE COMPACTED TO 98% SPD AT ±3% OPTIMUM MOISTURE CONTENT. NATIVE SUBGRADE SOILS TO BE VERIFIED BY PROOF ROLLING. FINAL RECOMMENDATION FOR SELECT FILL MATERIAL THICKNESS SHOULD BE PROVIDED BY REPRESENTATIVE OF GEOTECHNICAL ENGINEER BASED ON CONDITIONS AT THE TIME OF CONSTRUCTION.
 2. BASE COURSE SHALL ADHERE TO SPECIFICATIONS 32 11 16.
 3. REFER TO GEOTECHNICAL REPORT PROJECT NO. 19-5825 PREPARED BY MCLELLAND CONSULTING ENGINEERS DATED 4/27/2020.
 4. SELECT FILL MATERIAL TO BE COMPACTED TO 98% SPD AT ±3% OPTIMUM MOISTURE CONTENT. NATIVE SUBGRADE SOILS TO BE VERIFIED BY PROOF ROLLING. FINAL RECOMMENDATION FOR SELECT FILL MATERIAL THICKNESS SHOULD BE PROVIDED BY REPRESENTATIVE OF GEOTECHNICAL ENGINEER BASED ON CONDITIONS AT THE TIME OF CONSTRUCTION.

21E GRAVEL SURFACE
NTS

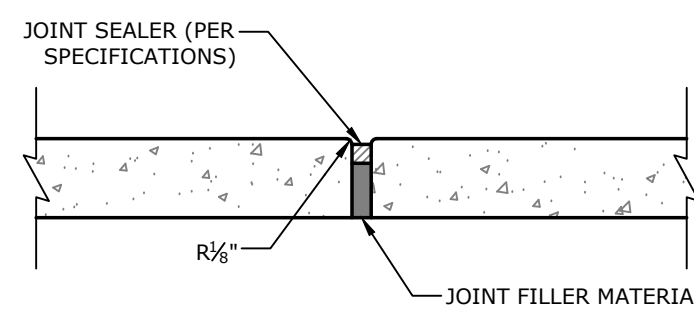
- NOTES:**
1. MATERIALS TO BE COMPACTED AT OPTIMAL MOISTURE CONTENT BASED UPON GEOTECHNICAL RECOMMENDATIONS.
 2. ACHM SURFACE COURSE SHALL ADHERE TO SECTION 407, TABLE 407-1 (TYPE II), AHTD STANDARD SPECIFICATIONS, 1996 EDITION.
 3. BASE COURSE SHALL ADHERE TO SECTION 303, AHTD STANDARD SPECIFICATIONS, 2014 EDITION.
 4. REFER TO GEOTECHNICAL REPORT PROJECT NO. 19-5825 PREPARED BY MCLELLAND CONSULTING ENGINEERS DATED 4/27/2020.
 5. SELECT FILL MATERIAL TO BE COMPACTED TO 98% SPD AT ±3% OPTIMUM MOISTURE CONTENT. NATIVE SUBGRADE SOILS TO BE VERIFIED BY PROOF ROLLING. FINAL RECOMMENDATION FOR SELECT FILL MATERIAL THICKNESS SHOULD BE PROVIDED BY REPRESENTATIVE OF GEOTECHNICAL ENGINEER BASED ON CONDITIONS AT THE TIME OF CONSTRUCTION.

21A STANDARD DUTY ASPHALT PAVING
NTS

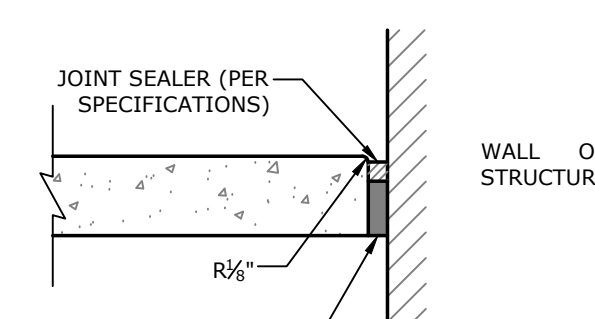
- NOTES:**
1. REFER TO SITE PLAN FOR SPECIFIC LAYOUT OF STRIPING.
 2. ALL STRIPING MEASUREMENTS ARE TO CENTER OF STRIPE.
 3. ADA PARKING AREA (STALLS, WALKS, & RAMPS) SHALL BE 2% MAX. SLOPE IN ANY DIRECTION.



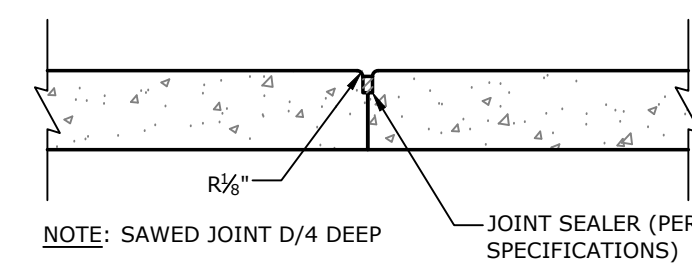
23A 90° PARKING / ADA ACCESSIBLE PARKING SPACE STRIPING
NTS



EXPANSION JOINT



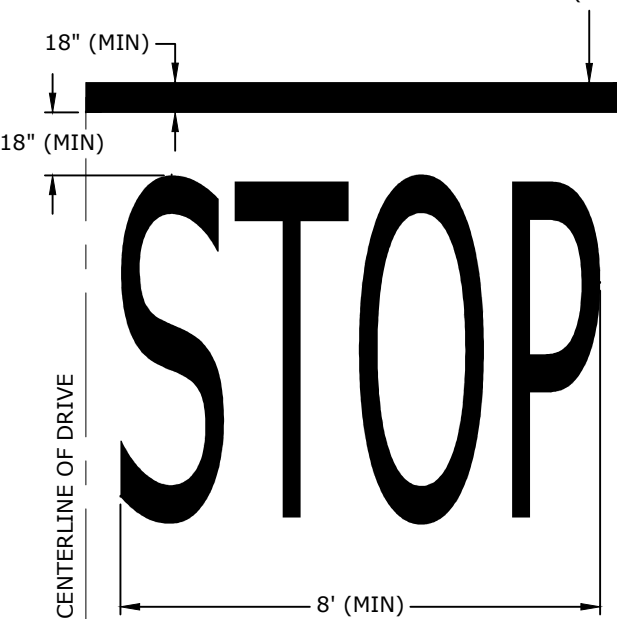
ISOLATION JOINT



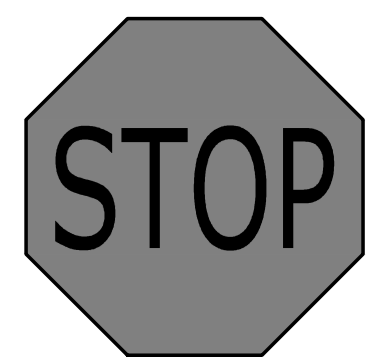
CONTROL JOINT (LONGITUDINAL OR TRANSVERSE)

22C SIDEWALK JOINTING
NTS

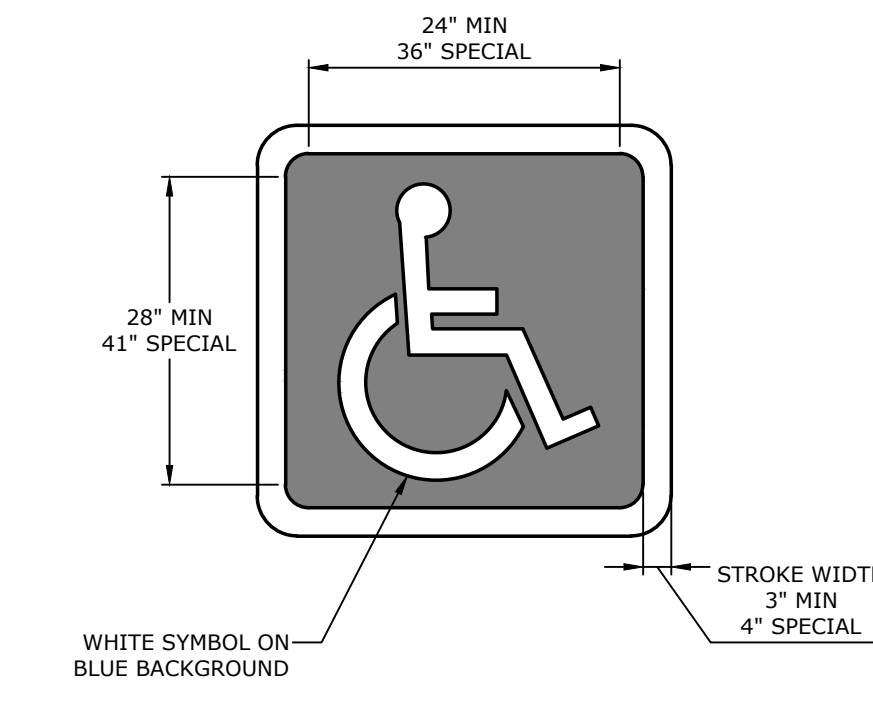
- NOTES:**
1. REFER TO SITE PLAN FOR SPECIFIC LETTERING AT STOP BAR.
 2. LETTERING TO BE PAINTED WITH YELLOW REFLECTIVE PAINT. REFER TO SPECIFICATIONS FOR REFLECTIVE STRIPING PAINT COLOR.
 3. ALL LETTERING TO PAINTED AT 8' IN HEIGHT, 18" IN WIDTH, WITH 5.5" SPACING BETWEEN EACH LETTER.



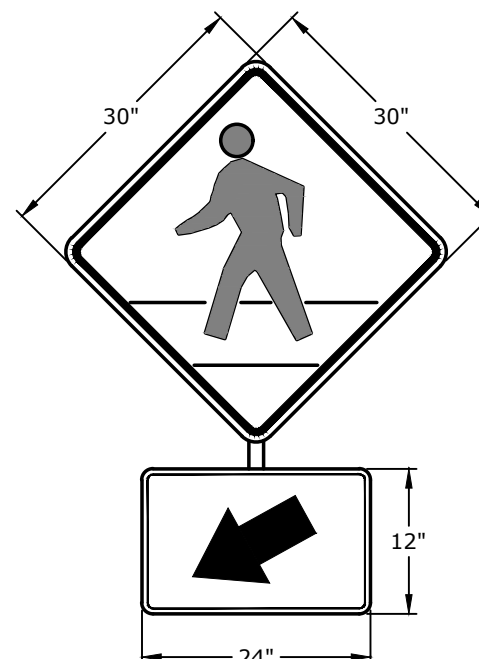
23E STOP BAR
NTS



23D 'STOP' SIGN
NTS



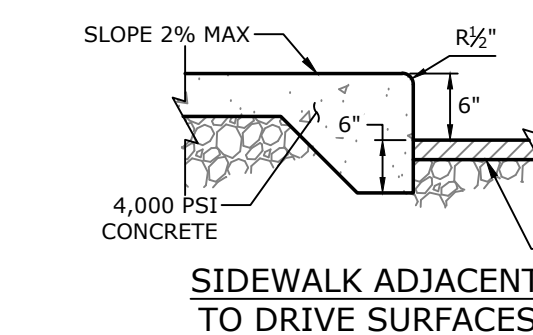
23D ACCESSIBLE PARKING SYMBOL
NTS



25A WHEEL STOP
NTS

24K 'PEDESTRIAN CROSSING' SIGN
NTS

- NOTES:**
1. CONCRETE FOR SIDEWALK TO BE CLASS A WITH A COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS (MIN).
 2. ALL SIDEWALKS SHALL HAVE A BROOMED FINISHED UNLESS OTHERWISE SPECIFIED.
 3. ALL JOINTING TO BE LOCATED PER SIDEWALK JOINTING (DETAIL 22C).
 4. CURING COMPOUND IS REQUIRED UNLESS TEMPERATURES STAY BELOW 50° FAHRENHEIT FOR 7 DAYS. CURING COMPOUND MUST BE COLORED WHITE, RED, OR PINK AND CLEAR. CURING COMPOUND IS UNACCEPTABLE. IF CONCRETE IS NOT CURED WHEN REQUIRED, IT WILL BE CONSIDERED GROUND FOR REMOVAL AND REPLACEMENT.
 5. ALL CONTROL JOINTING TO BE SAWCUT OR TOOLED JOINTED PER SIDEWALK JOINTING (DETAIL 22C).
 6. REFER TO GEOTECHNICAL REPORT PROJECT NO. 19-5825 PREPARED BY MCLELLAND CONSULTING ENGINEERS DATED 4/27/2020.
 7. SELECT FILL MATERIAL TO BE COMPACTED TO 98% SPD AT ±3% OPTIMUM MOISTURE CONTENT. NATIVE SUBGRADE SOILS TO BE VERIFIED BY PROOF ROLLING. FINAL RECOMMENDATION FOR SELECT FILL MATERIAL THICKNESS SHOULD BE PROVIDED BY REPRESENTATIVE OF GEOTECHNICAL ENGINEER BASED ON CONDITIONS AT THE TIME OF CONSTRUCTION.

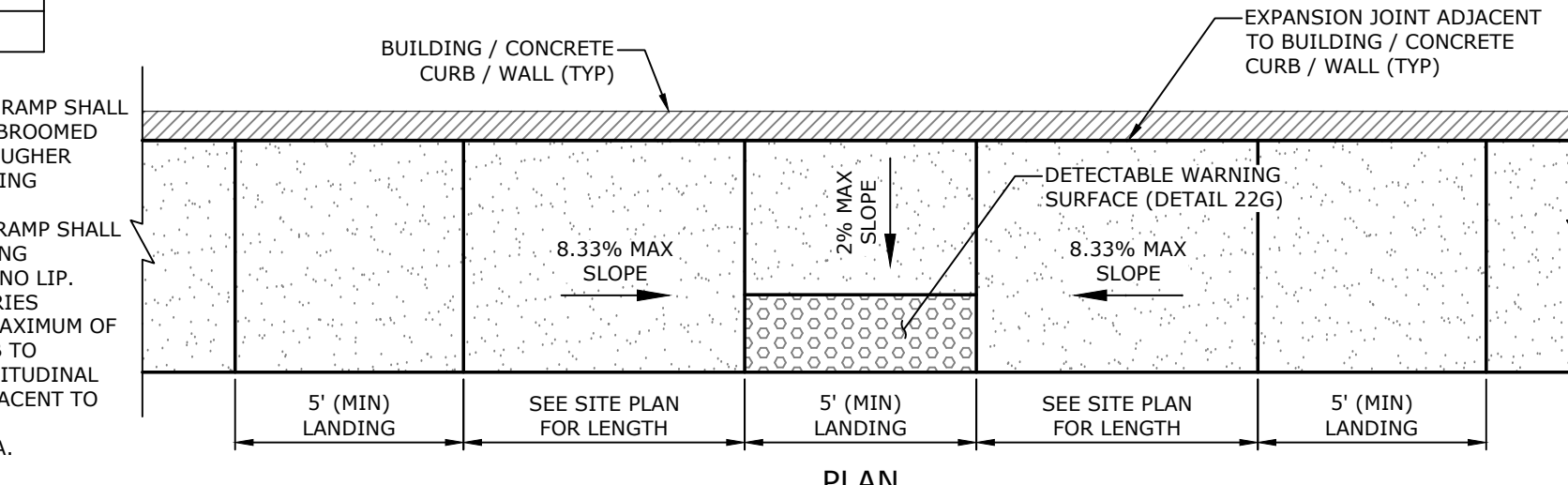


SIDEWALK ADJACENT TO DRIVE SURFACES

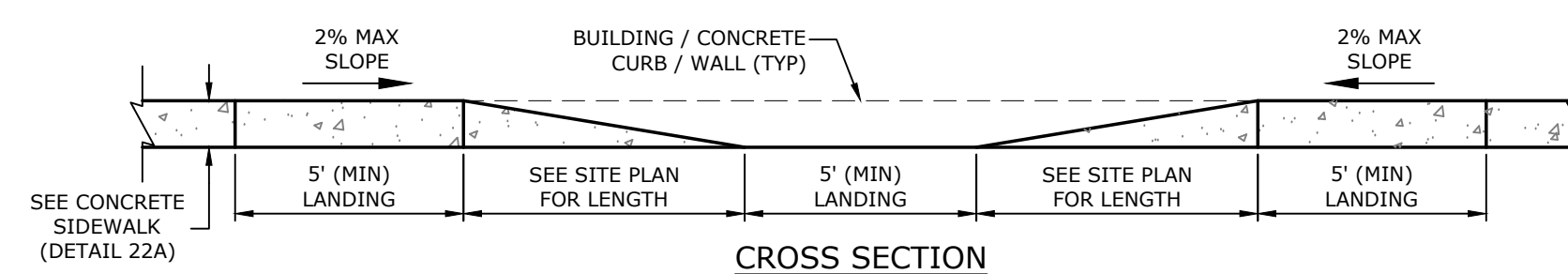
A	8"
B	A
C	Bx5

22A CONCRETE SIDEWALK
NTS

- NOTES:**
1. THE SURFACE OF THE RAMP SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
 2. THE BOTTOM OF THE RAMP SHALL BE FLUSH TO ADJOINING PAVEMENT AND HAVE NO LIP.
 3. RAMP SIDE SLOPE VARIES UNIFORMLY FROM A MAXIMUM OF UP TO 8.33% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP.
 4. CONSTRUCT PER A.D.A. STANDARDS.

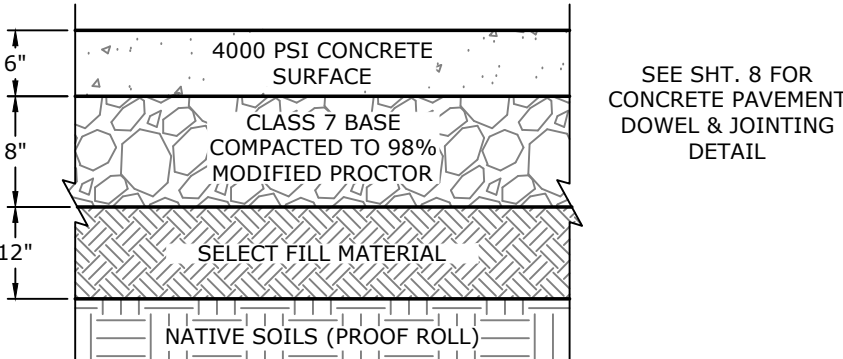


PLAN



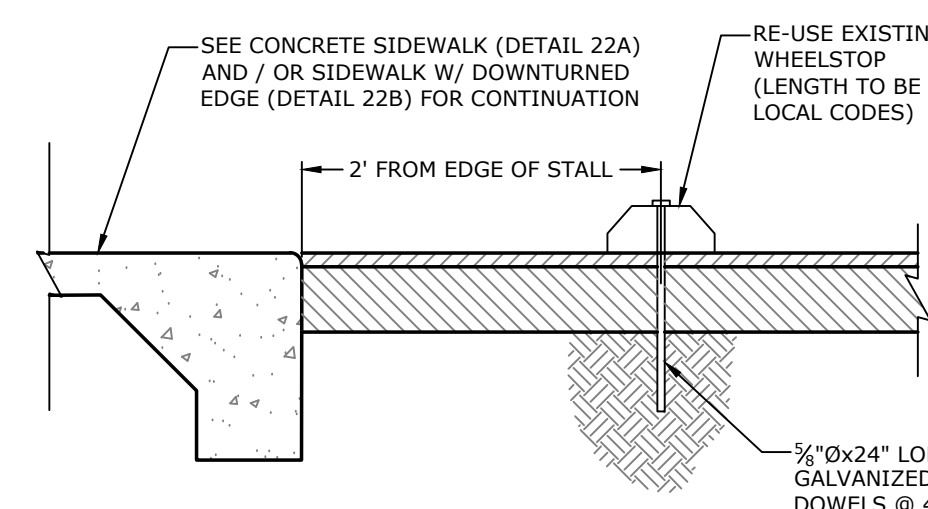
CROSS SECTION

22F PEDESTRIAN RAMP (PARALLEL)
NTS

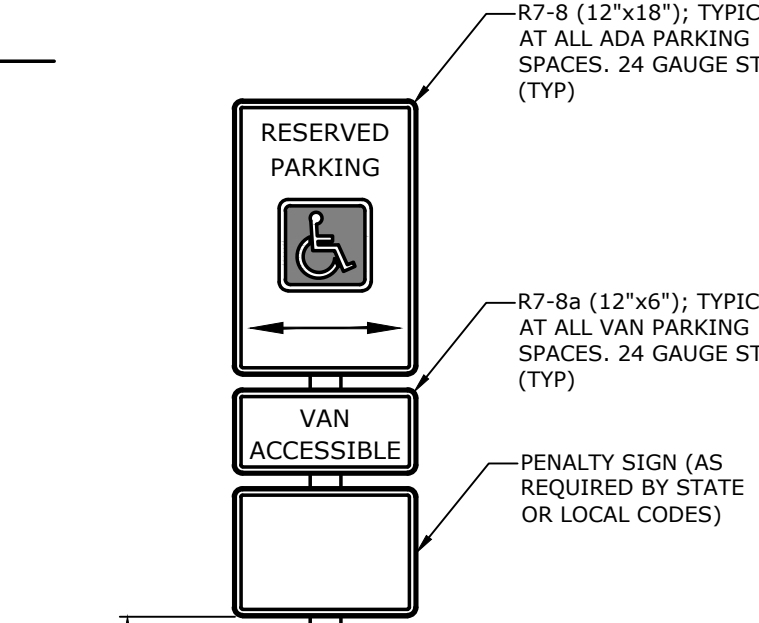


22C STANDARD DUTY CONCRETE PAVING
NTS

- NOTES:**
1. MATERIALS TO BE COMPACTED AT OPTIMAL MOISTURE CONTENT BASED UPON GEOTECHNICAL RECOMMENDATIONS.
 2. BASE COURSE SHALL ADHERE TO SECTION 303, AHTD STANDARD SPECIFICATIONS, 2014 EDITION.
 3. REFER TO GEOTECHNICAL REPORT PROJECT NO. 19-5825 PREPARED BY MCLELLAND CONSULTING ENGINEERS DATED 4/27/2020.
 4. SELECT FILL MATERIAL TO BE COMPACTED TO 98% SPD AT ±3% OPTIMUM MOISTURE CONTENT. NATIVE SUBGRADE SOILS TO BE VERIFIED BY PROOF ROLLING. FINAL RECOMMENDATION FOR SELECT FILL MATERIAL THICKNESS SHOULD BE PROVIDED BY REPRESENTATIVE OF GEOTECHNICAL ENGINEER BASED ON CONDITIONS AT THE TIME OF CONSTRUCTION.



22C STANDARD DUTY CONCRETE PAVING
NTS



24A ACCESSIBLE PARKING SIGN
NTS

MCE MCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO MEET STATE REQUIREMENTS
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

PRELIMINARY NOT FOR CONSTRUCTION

ORIGINAL SIGNATURE ON FILE

DAY USE IMPROVEMENTS
LAKE POINEETT STATE PARK
5752 STATE PARK RD
HARRISBURG, ARKANSAS
DBA#9002317

811
Know what's below.
Call before you dig.

REV	DATE	DESCRIPTION
	2/8/2024	DBA SUBMITTAL
	4/9/2024	DBA SUBMITTAL

MISCELLANEOUS DETAILS I

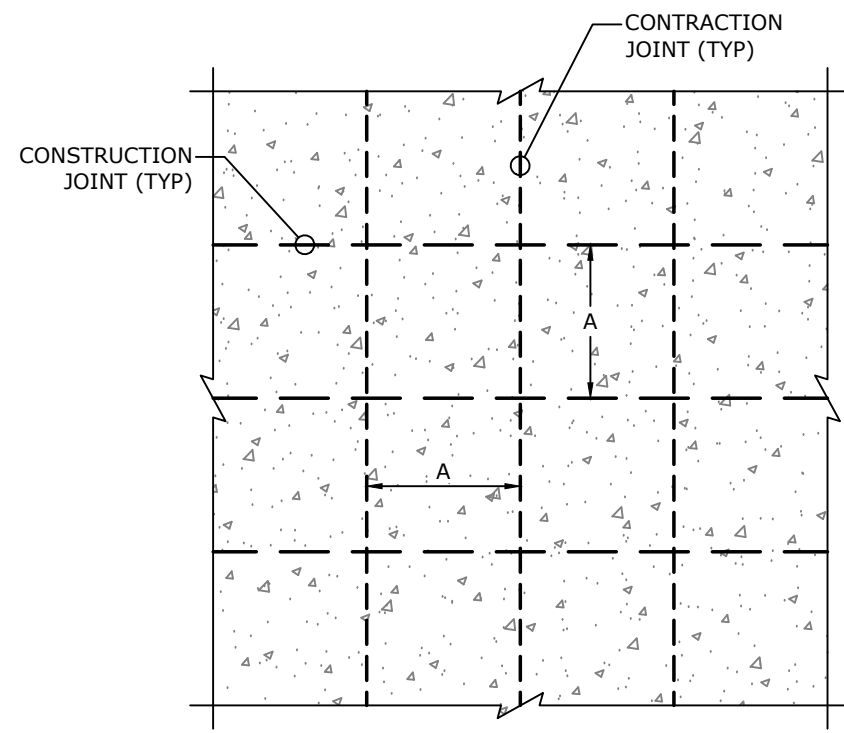
DESIGNED BY: CEZ	DRAWN BY: CEZ
DATE: 04/09/2024	REVISION: BID SET
SCALE: N.T.S.	JOB NUMBER: 19-5825

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NOTES:

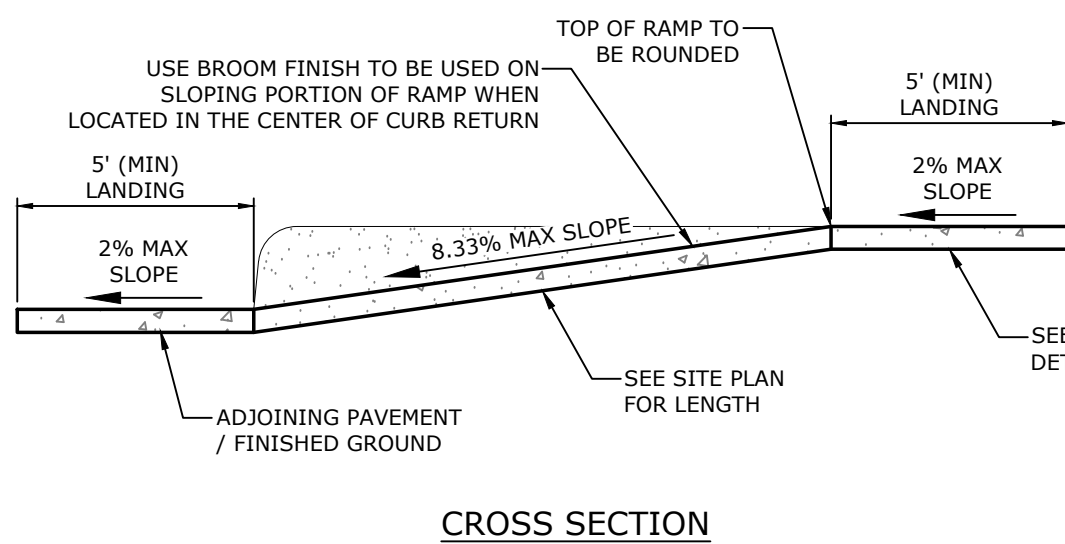
- A TRANSVERSE CONSTRUCTION JOINT SHALL BE INSTALLED AT A PLANNED JOINT WHEN PAVING OPERATIONS ARE INTERRUPTED FOR MORE THAN 30 MINUTES. IF THE INTERRUPTION OCCURS BETWEEN PLANNED JOINTS, THE FRESH CONCRETE SHALL BE REMOVED BACK TO THE PREVIOUSLY INSTALLED JOINT. UNLESS OTHERWISE APPROVED, NO JOINTS WILL BE ALLOWED BETWEEN THE JOINTS SHOWN ON THE JOINTING PLAN.
- EDGES OF CONCRETE SLABS SHALL BE COVERED WITH AN APPROVED CURING MATERIAL AT THE SAME TIME AS THE SURFACE IS CURING. AT FORMED LOCATIONS, SLAB SIDES SHALL BE CURED WHEN FORMS ARE REMOVED.
- CONCRETE IN REINFORCED PANELS SHALL BE PLACED IN ONE COURSE. ALL WELDED WIRE FABRIC (WWF) SHALL BE INSTALLED USING ENGINEER APPROVED HI-CHAIRS ANCHORED TO THE CRUSHED AGGREGATE BASE COURSE (3' ON CENTER MAX). THE WWF SHALL RETAIN ITS SPECIFIED POSITION DURING CONCRETE PLACEMENT. WWF VIBRATED DOWN FROM THE TOP AFTER CONCRETE IS PLACED WILL NOT BE ALLOWED.
- SEALANT RESERVOIR SHAPE FACTOR ('W' & 'D'), SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS.
- ALL JOINT SEALANT RESERVOIRS SHOWN ON THIS SHEET SHALL BE VERIFIED BY THE SEALANT MANUFACTURER PRIOR TO CONSTRUCTION (REFER TO SECTION P-605 OF THE SPECIFICATIONS FOR FURTHER INFORMATION).
- THE PRE-FORMED JOINT SEAL IN CONTRACTION JOINTS SHALL BE INSTALLED IN ONE CONTINUOUS PIECE ACROSS THE PAVEMENT. THE CONSTRUCTION JOINT SEALANT SHALL BE INTERRUPTED AT EVERY TRANSVERSE JOINT.
- ALL WORK AND MATERIALS REQUIRED FOR JOINTS IS INCIDENTAL TO PAVEMENT PAY ITEMS.

JOINT SPACING SCHEDULE	
PAVEMENT THICKNESS 'D'	'A'
≤ 3.5"	8'-6"
4" - 4.5"	10'
5" - 5.5"	12'-6"
6" OR GREATER	15'



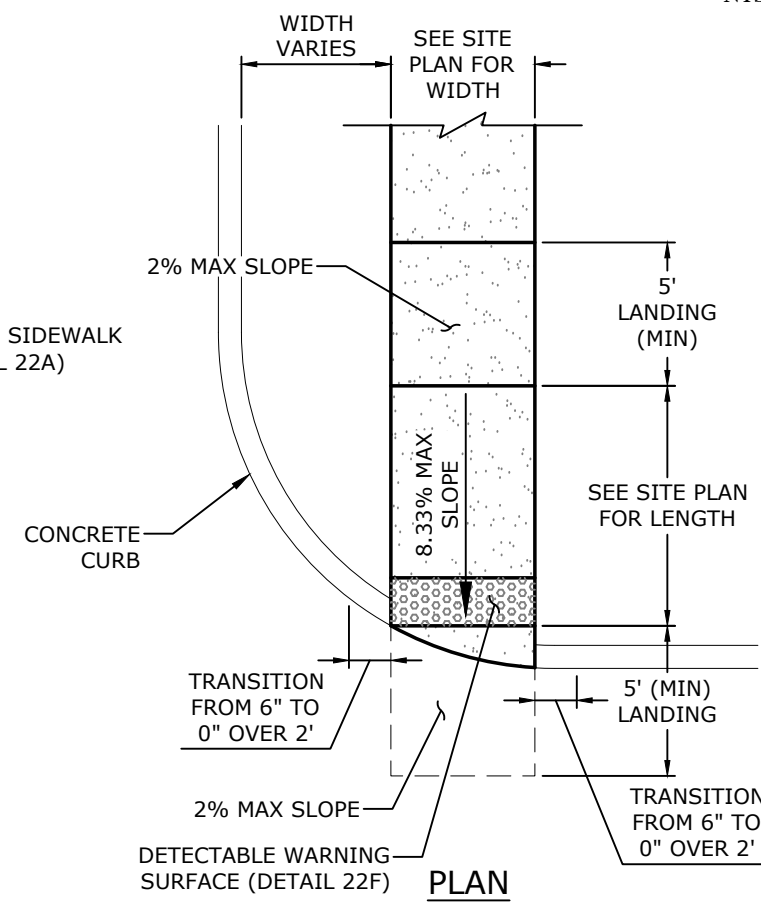
TYPICAL JOINT SPACING

21H CONCRETE PAVEMENT JOINTING
NTS



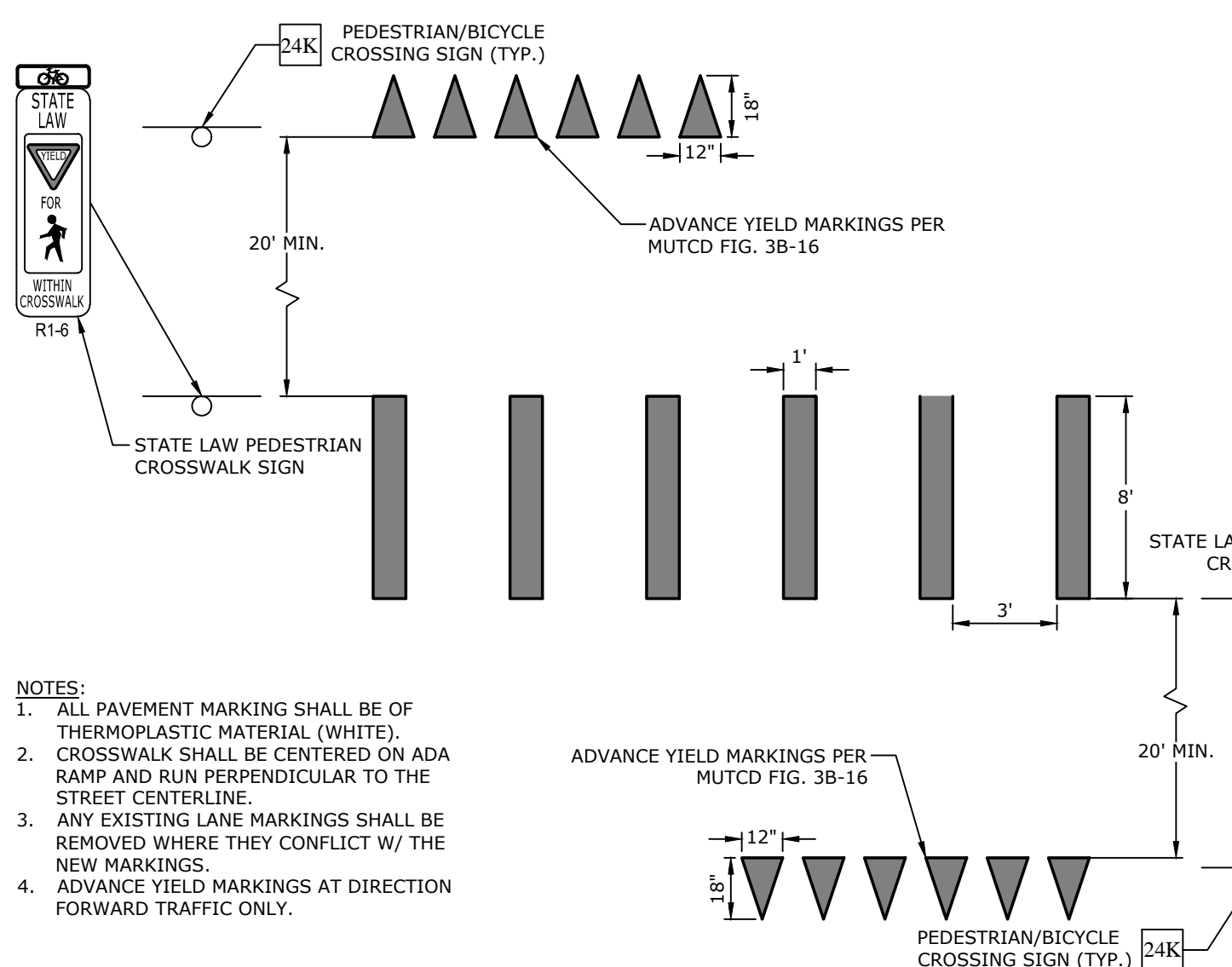
CROSS SECTION

- NOTES:**
- THE SURFACE OF THE RAMP SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
 - THE BOTTOM OF THE RAMP SHALL BE FLUSH TO ADJOINING PAVEMENT AND HAVE NO LIP.
 - RAMP SIDE SLOPE VARIES UNIFORMLY FROM A MAXIMUM OF UP TO 8.33% TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP.
 - CONSTRUCT PER A.D.A. STANDARDS.
 - CURING COMPOUND IS REQUIRED UNLESS TEMPERATURES STAY BELOW 50° FAHRENHEIT FOR 7 DAYS. CURING COMPOUND MUST BE COLORED WHITE, RED, OR PINK. CLEAR CURING COMPOUND IS UNACCEPTABLE. IF CONCRETE IS NOT CURED WHEN REQUIRED, IT WILL BE CONSIDERED GROUND FOR REMOVAL AND REPLACEMENT.
 - THE PLAN VIEW & CROSS SECTION SHOWN ON THIS DETAIL IS SCHEMATIC IN NATURE; CONTRACTOR SHALL REFER TO GRADING PLAN FOR EXACT RAMP CONFIGURATION(S).



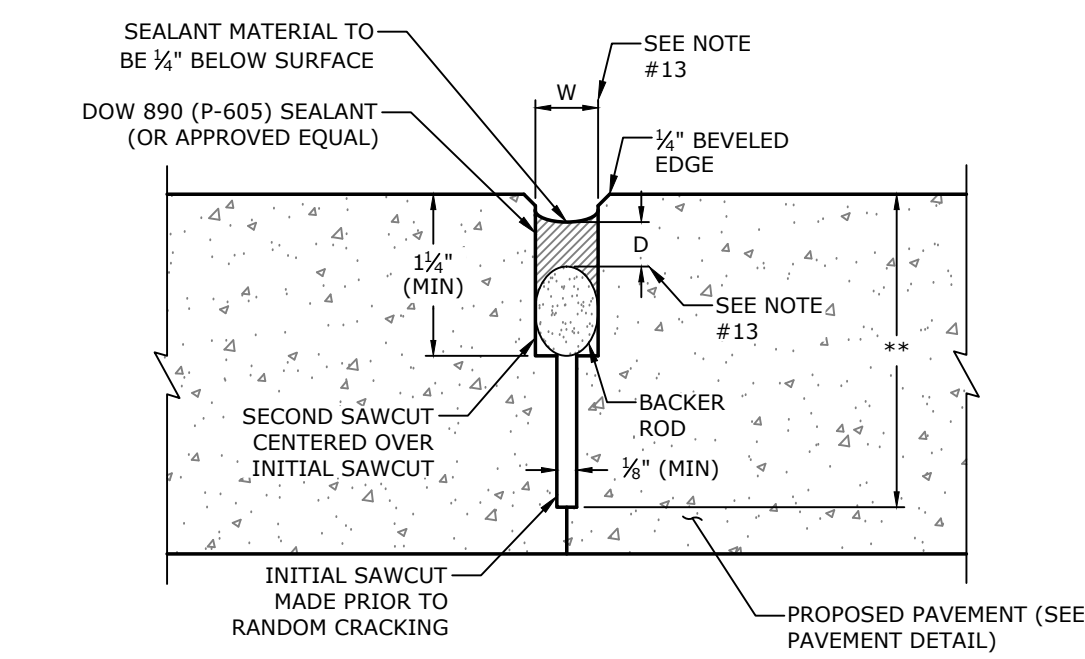
PLAN

22C PEDESTRIAN RAMP (PERPENDICULAR)
NTS

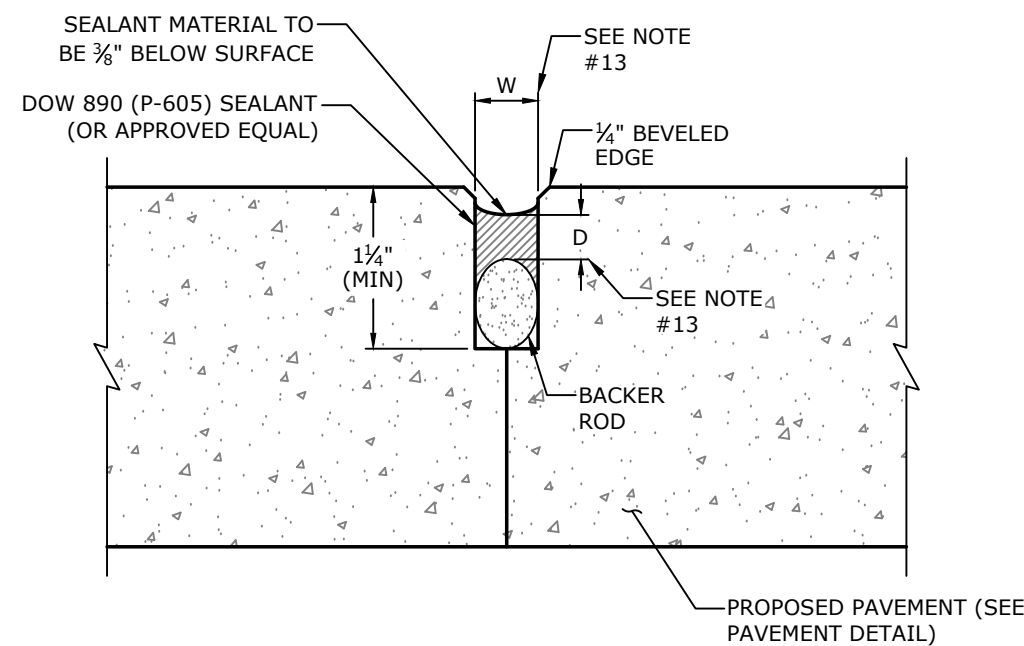


22H CROSSWALK STRIPING
NTS

- NOTES:**
- ALL PAVEMENT MARKING SHALL BE OF THERMOPLASTIC MATERIAL (WHITE).
 - CROSSWALK SHALL BE CENTERED ON ADA RAMP AND RUN PERPENDICULAR TO THE STREET CENTERLINE.
 - ANY EXISTING LANE MARKINGS SHALL BE REMOVED WHERE THEY CONFLICT W/ THE NEW MARKINGS.
 - ADVANCE YIELD MARKINGS AT DIRECTION FORWARD TRAFFIC ONLY.

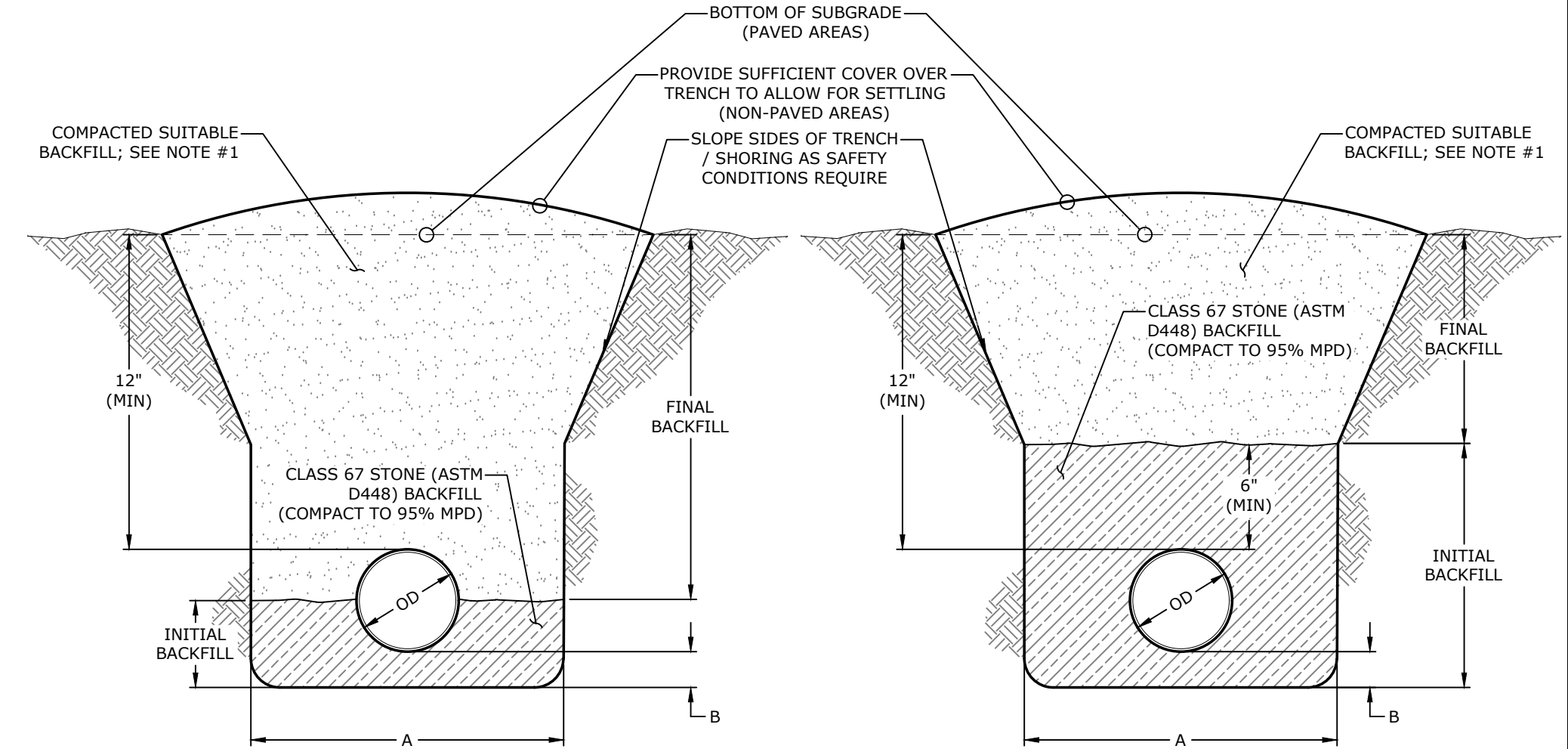


SAWED CONSTRUCTION JOINT SEAL - TYPE 3



SAWED CONSTRUCTION JOINT SEAL - TYPE 2

- NOTES:**
- FOR AREAS WHERE PIPE IS LOCATED UNDER NON-PAVED AREAS, BACKFILL SHALL BE COMPACTED SUITABLE NATIVE MATERIAL (DO NOT INCORPORATE FROZEN MATERIAL OR SOFT, MUCK, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL). FOR AREAS WHERE PIPE IS LOCATED UNDER PAVED AREAS, BACKFILL SHALL BE SELECT FILL COMPACTED PER THE GEOTECHNICAL REPORT PROJECT NO. [PROJECT #] PREPARED BY [GEOTECH COMPANY NAME] DATED [REPORT DATE].
- * - 0.5 x PAVEMENT THICKNESS (1/2"±)
** - 1/2 PAVEMENT THICKNESS (1/4"±)

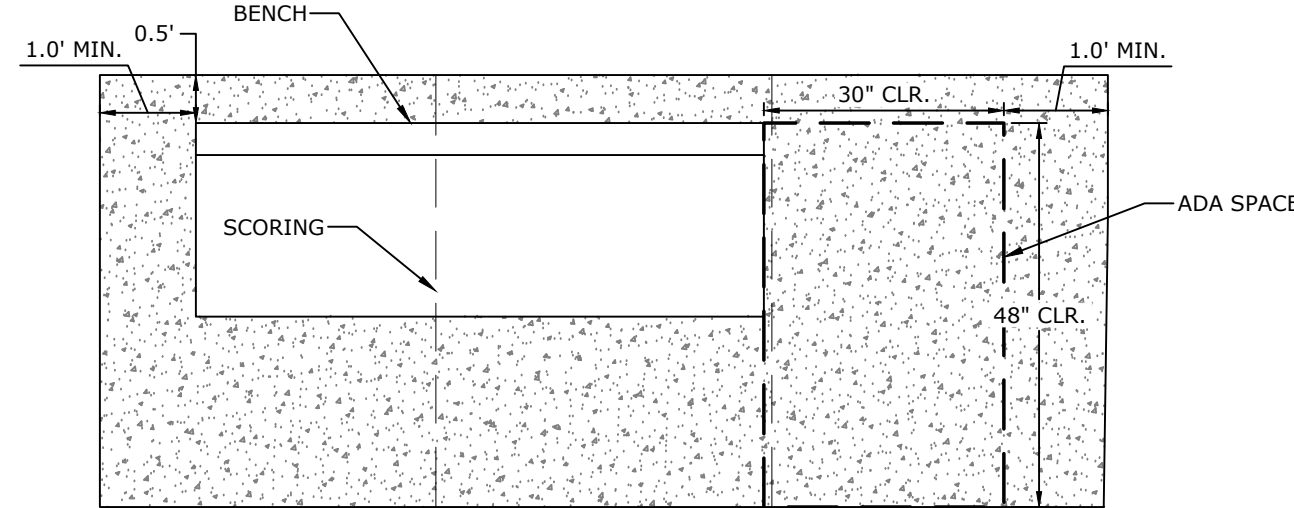


RIGID PIPE

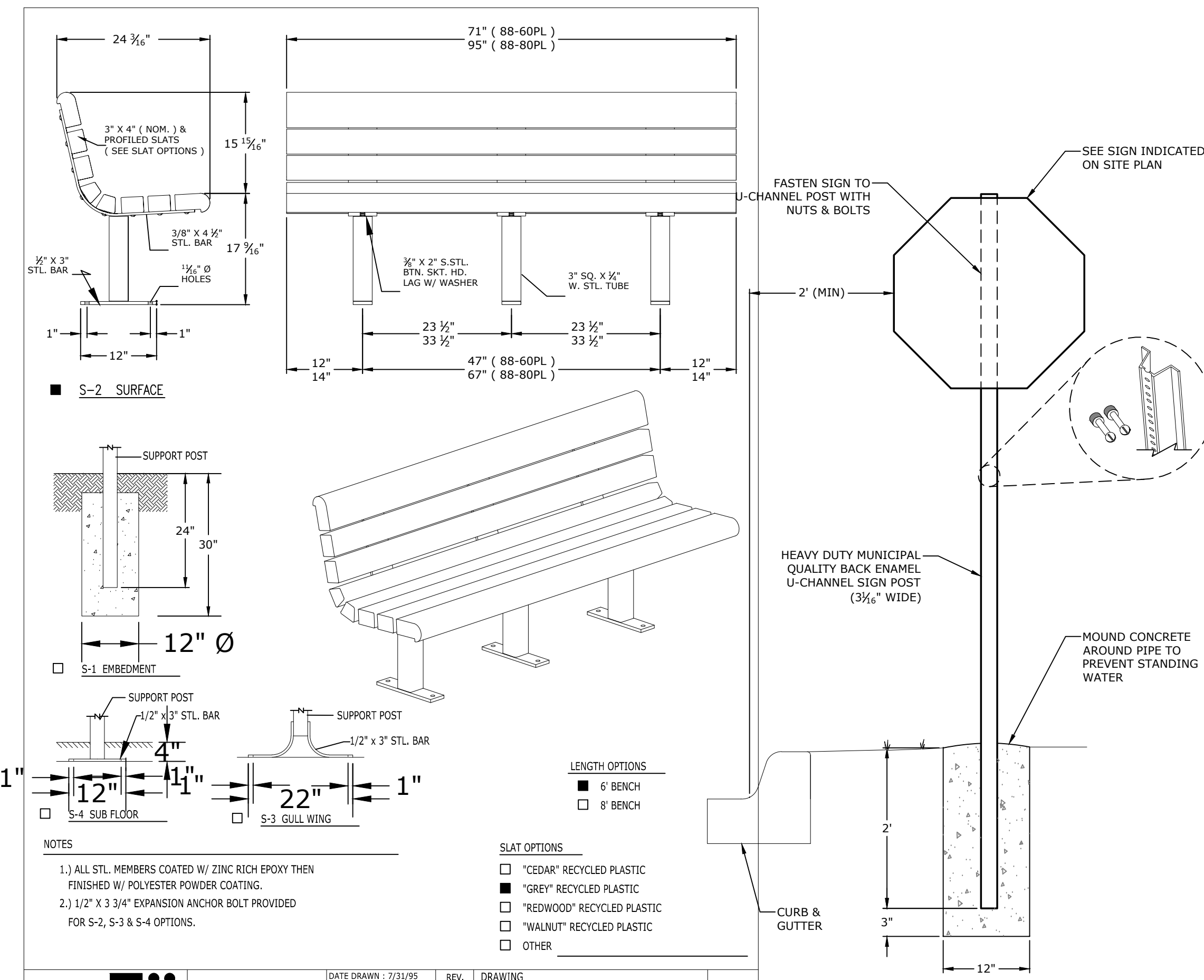
NON-RIGID PIPE

TRENCHING, BACKFILL, & BEDDING TABLE	
'A'	OD + 24" (MIN) OD + 36" (MAX)
'B'	.10 x OD (6" MIN)

33G STORM SEWER TRENCHING, BACKFILL, & BEDDING
NTS



22K BENCH & ADA SPACE
NTS



DATE DRAWN: 7/21/95	REV.:	DRAWING NUMBER:	SHEET:
DRAWN BY: AH	D:	88 SERIES PL	1 OF 2
DATE REV.: 10/25/11			
REV. BY: BDM			

- NOTES:**
- ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
 - 1/2" X 3 3/4" EXPANSION ANCHOR BOLT PROVIDED FOR S-2, S-3 & S-4 OPTIONS.

25I BENCH
NTS
DUMOR 88 SERIES PL (OR APPROVED EQUAL)

24B SIGN POST
NTS

MCE McClelland Consulting Engineers, Inc.
DESIGNED TO MEET ENGINEERS, INC.
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

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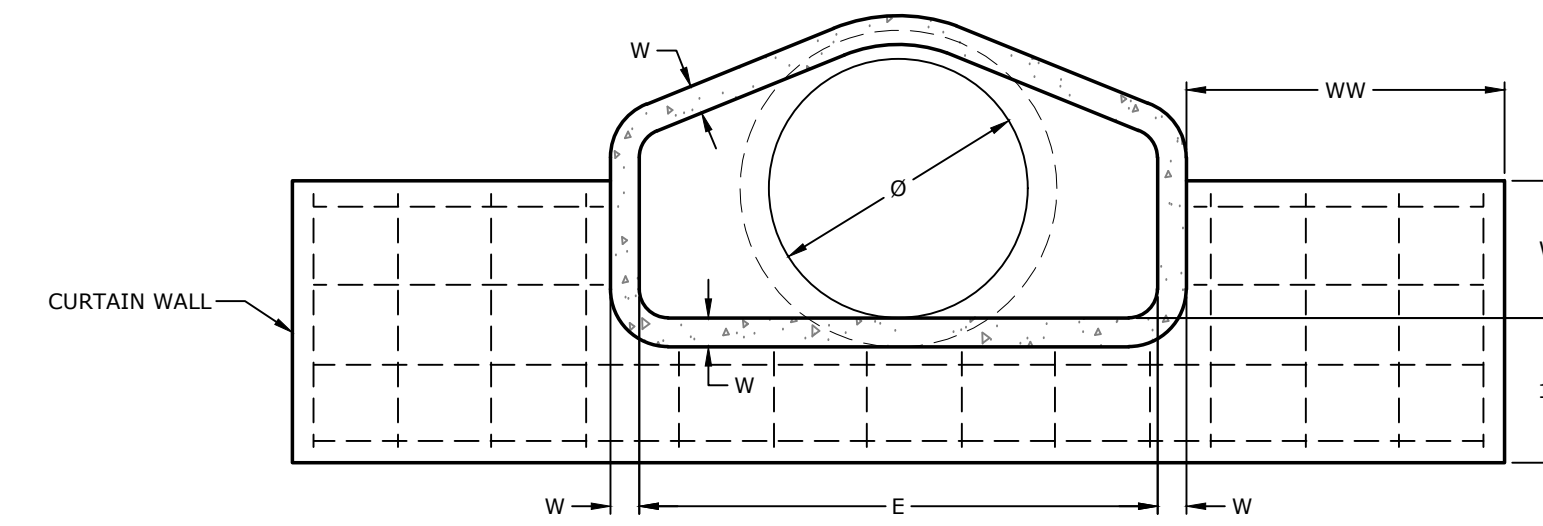
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REV	DESCRIPTION
DBA SUBMITTAL	
DBA SUBMITTAL	
DATE	
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MISCELLANEOUS DETAILS II

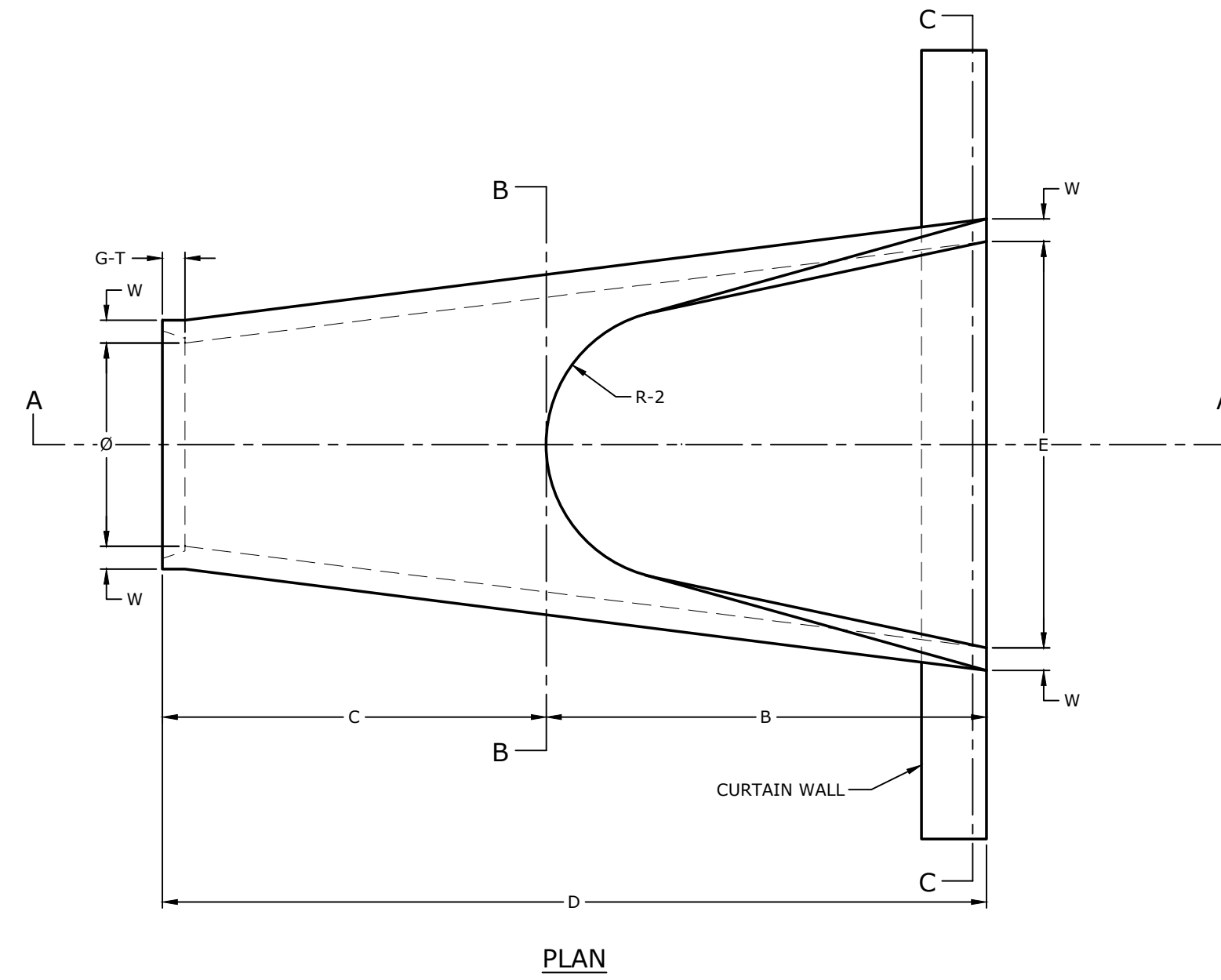
DESIGNED BY:	CEZ	DRAWN BY:	CEZ
DATE:	04/09/2024	REVISION:	BID SET
SCALE:	N.T.S.	JOB NUMBER:	19-5825

FLARED END SECTION TABLE														
Ø	'W	'A	'B	'C	'D	'E	'S	'P	'R-1'	'R-2'	'G-T'	'H'	'WW'	'WH'
18"	2½"	9"	2'-3"	3'-10"	6'-1"	3'-0"	3:1	29"	15½"	12"	2"	1'-0½"	Ø	12"
21"	2½"	9"	2'-11"	3'-2"	6'-1"	3'-6"	3:1	31½"	16½"	13"	2"	1'-0½"	Ø	12"
24"	3"	9½"	3'-7½"	2'-6"	6'-1½"	4'-0"	3:1	33½"	16¾"	14"	2½"	1'-1½"	Ø	12"
30"	3½"	12"	4'-6"	1'-7½"	6'-1¼"	5'-0"	3:1	37"	18½"	15"	3½"	1'-4½"	Ø	12"
36"	4"	15"	5'-3"	2'-10½"	8'-1½"	6'-0"	3:1	47½"	24½"	20"	3½"	1'-8"	Ø	12"
42"	4½"	21"	5'-3"	2'-11"	8'-2"	6'-6"	3:1	53½"	27½"	22"	3½"	2'-2½"	Ø	12"

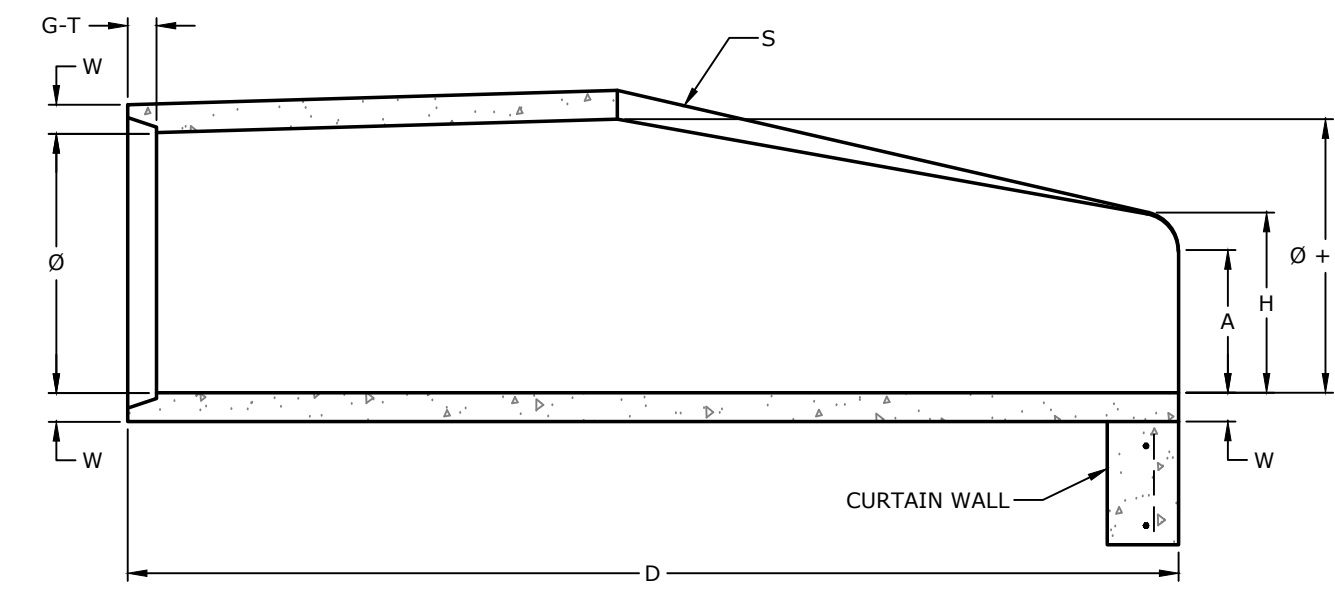
NOTE: USE OF PRE-CAST FLARED END SECTIONS ARE TO BE BY CITY / ENGINEER'S APPROVAL ONLY



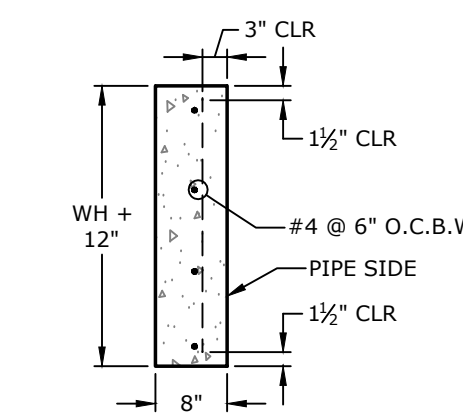
SECTION C



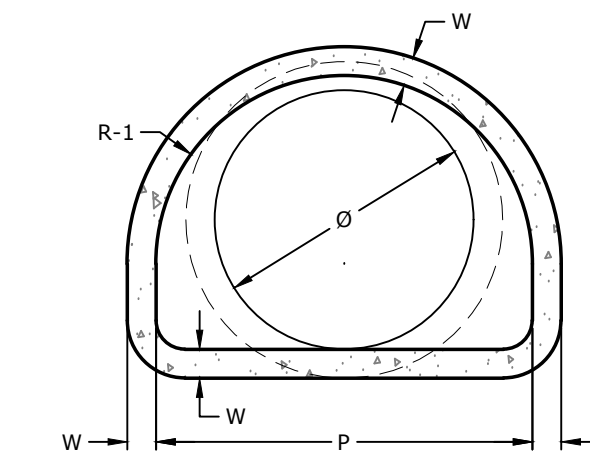
PLAN



SECTION A



CURTAIN WALL TYPICAL SECTION

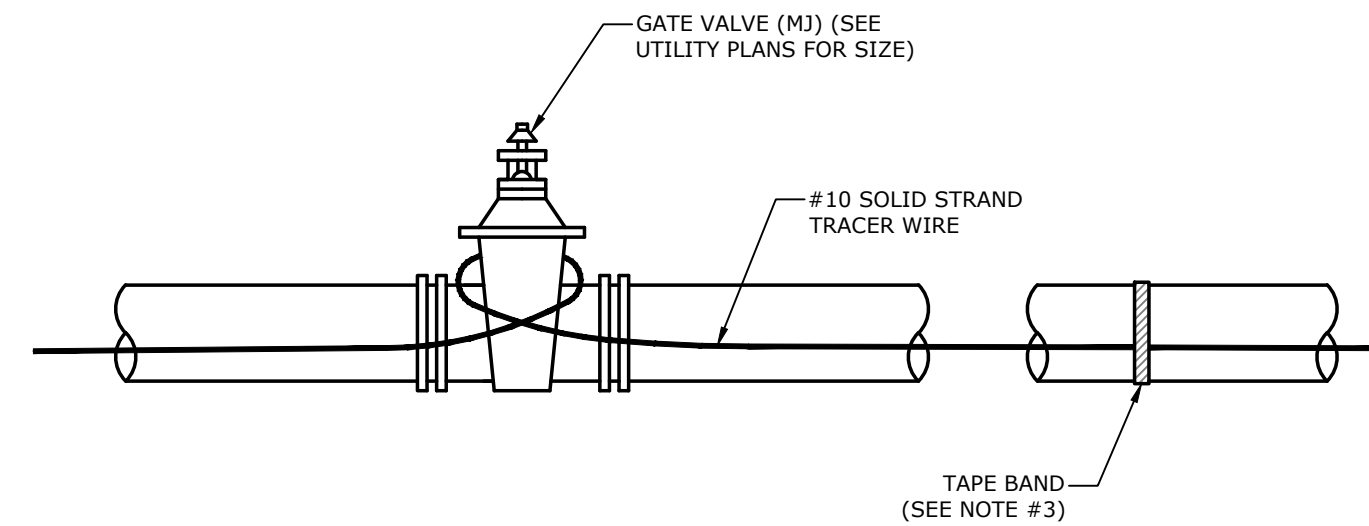
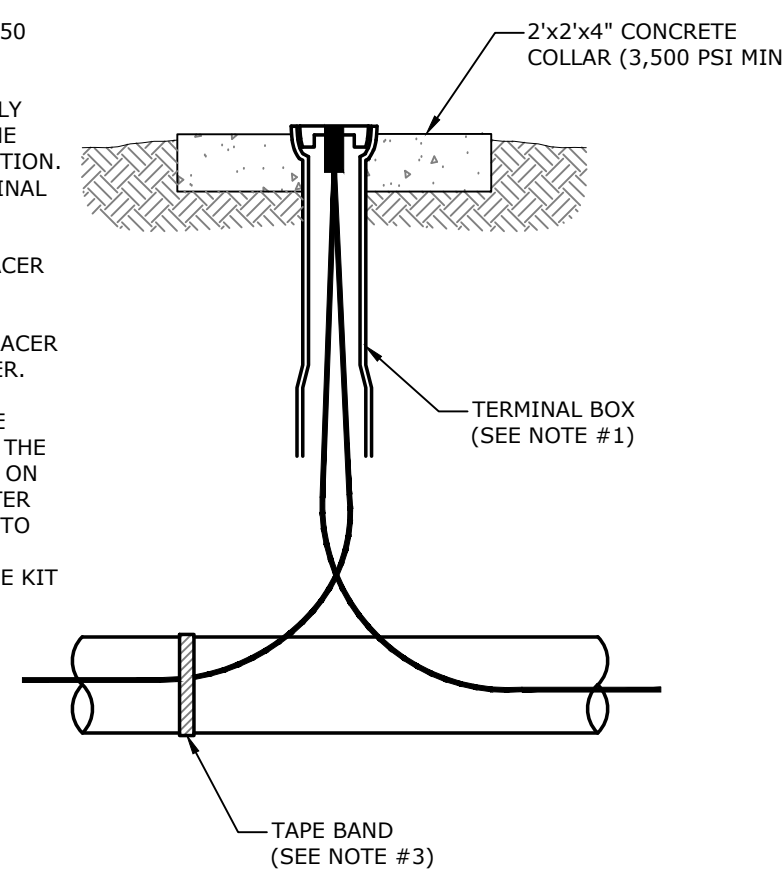


SECTION B

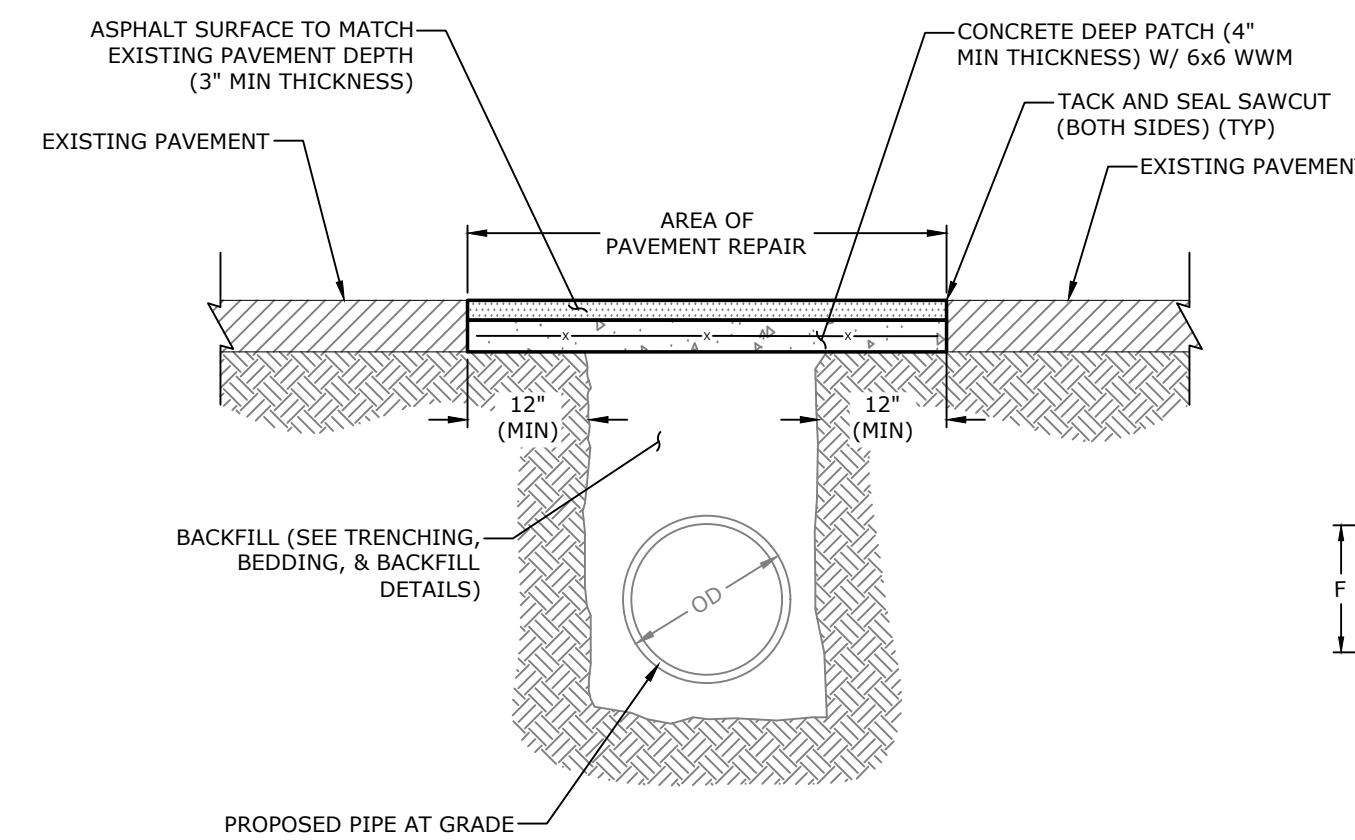
- NOTES:
1. TONGUE END ON UPSTREAM SECTION OF PIPE.
 2. GROOVE END ON DOWNSTREAM SECTION OF PIPE.

32J FLARED END SECTION W/ CURTAIN WALL NTS

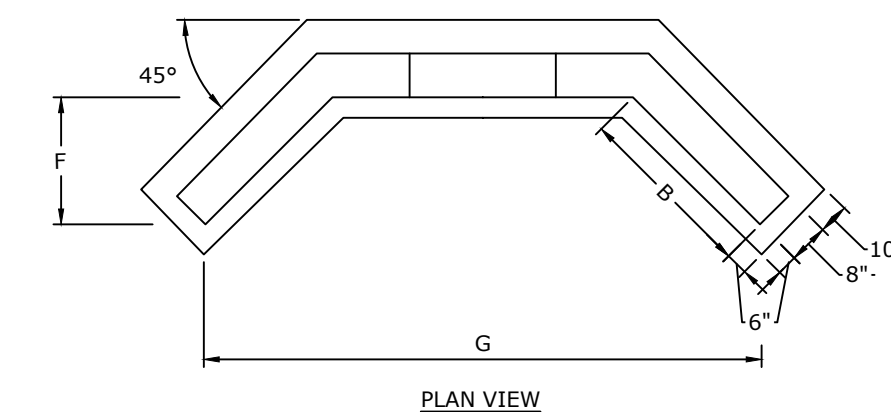
- NOTES:
1. TERMINAL BOXES TO BE EAST JORDAN IRON WORKS 8550 SERIES (OR APPROVED EQUAL); EXTENSIONS TO BE PROVIDED WHERE REQUIRED.
 2. TERMINAL BOXES SHALL BE LOCATED AT APPROXIMATELY 500' INTERVALS (OR AT LOCATIONS DETERMINED BY THE ENGINEER) AND AT EACH END OF THE PIPING INSTALLATION. A CONCRETE COLLAR SHALL BE PLACED ON EACH TERMINAL BOX LOCATED OUTSIDE OF PAVEMENT SURFACES OR SIDEWALKS.
 3. TAPE BANDS SHALL BE PLACED EVERY 10' TO HOLD TRACER WIRE IN PLACE DURING INSTALLATION.
 4. CONTRACTOR SHALL PROVIDE AN INSTRUMENT AND DEMONSTRATE THE ELECTRICAL CONTINUITY OF ALL TRACER WIRES PRIOR TO THE FINAL ACCEPTANCE BY THE OWNER.
 5. TRACER WIRE SHALL BE INSTALLED IN THE LOCATION DIRECTED BY THE ENGINEER, BUT SHALL GENERALLY BE LOCATED IMMEDIATELY ADJACENT TO THE PIPE AND AT THE SAME DEPTH. TRACER WIRE SHALL ALSO BE INSTALLED ON SERVICE LINES BETWEEN THE WATER LINE(S) AND WATER METER(S). TRACER WIRE SHALL EXTEND AT LEAST 1' INTO THE METER BOX(S).
 6. WIRE SHALL BE SPICED USING 3M DIRECT BURY SPLICE KIT DBR / Y-6 (OR APPROVED EQUAL).



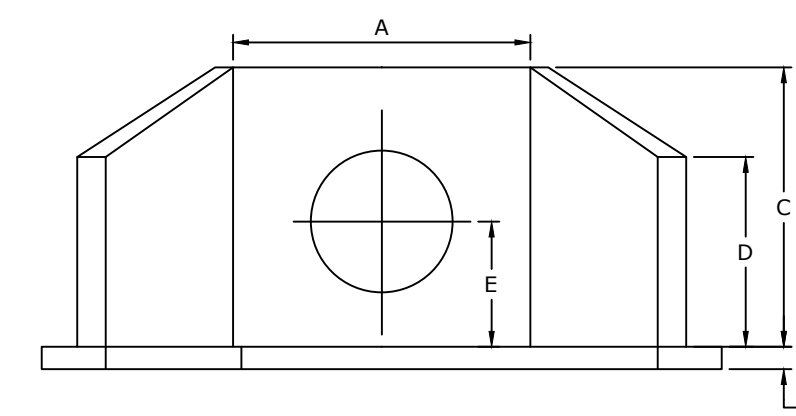
40J TRACER WIRE & TERMINAL NTS



42A ASPHALT PAVEMENT REPAIR NTS



PLAN VIEW



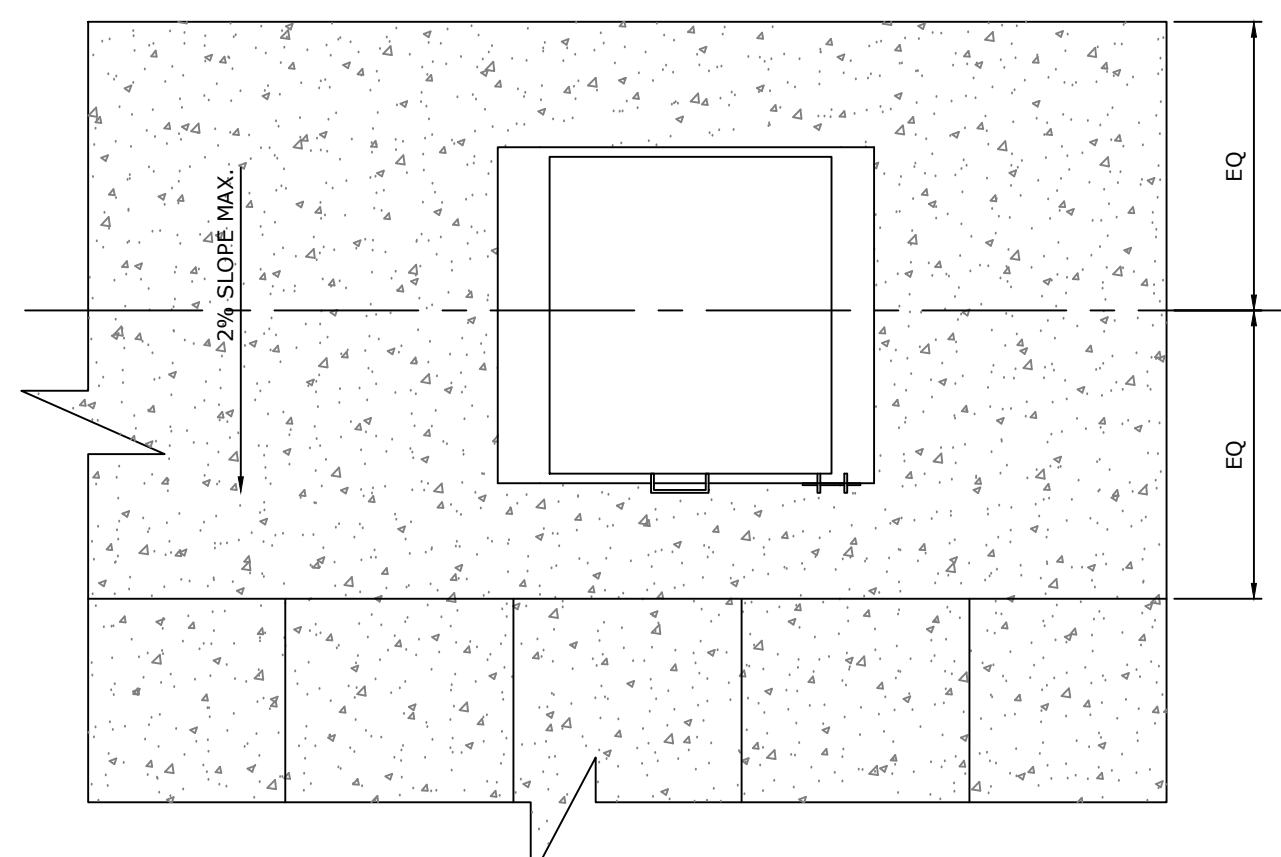
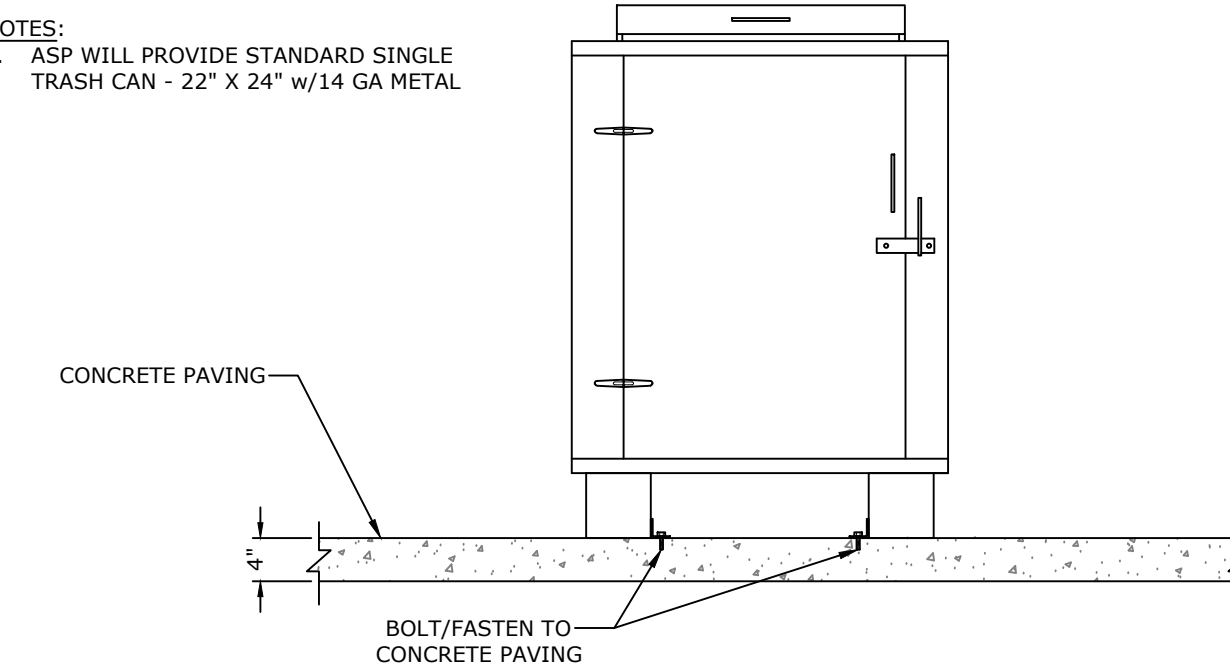
ELEVATION

DIMENSION SCHEDULE								
PIPE DIA.	A	B	C	D	E	F	G	APPROX. WEIGHT
12"	36"	30"	54"	40"	36"	22"	78"	5445 LBS.
15"	48"	30"	60"	45"	39"	22"	92"	6400 LBS.
18"	48"	30"	60"	45"	39"	22"	92"	6400 LBS.

- NOTES:
1. ALL EXPOSED EDGES TO HAVE 1" BEVELED CORNERS
 2. APPROX BY CONTRACTORS IN FIELD
 3. REINFORCING - NO. 4 BARS @ 12" O.C.E.W.
 4. CONCRETE TO TEST 4000 PSI @ 28 DAYS

32F CONCRETE HEADWALL NTS

- NOTES:
1. ASP WILL PROVIDE STANDARD SINGLE TRASH CAN - 22" X 24" W/14 GA METAL



25H TRASH RECEPTACLE NTS

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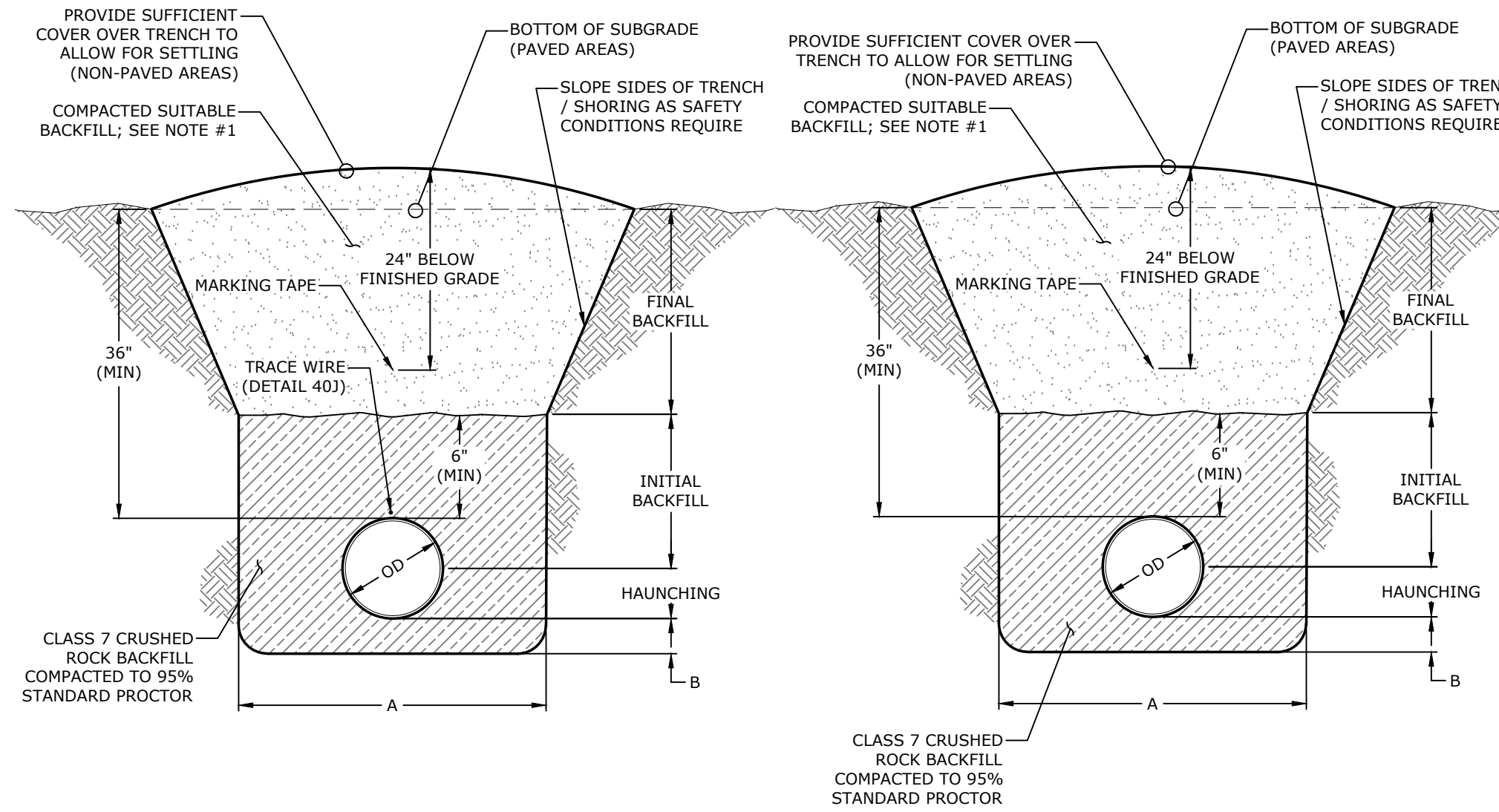
MISCELLANEOUS DETAILS III

DESIGNED BY:	DRAWN BY:
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DATE:	REVISION:
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W:\2019\19-5825 ASP Lake Poinsett Day Use Improvements And Modular Restroom\Design Drawings\Civil\19-5825 - MD.dwg, PRINTED ON: April 5, 2024 @ 7:15 AM

NOTES:
 1. FOR AREAS WHERE PIPE IS LOCATED UNDER NON-PAVED AREAS, BACKFILL SHALL BE COMPACTED SUITABLE NATIVE MATERIAL (DO NOT INCORPORATE FROZEN MATERIAL OR SOFT, MUCK, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL). FOR AREAS WHERE PIPE IS LOCATED UNDER PAVED AREAS, BACKFILL SHALL BE SELECT FILL COMPACTED PER STATE STANDARDS.

NOTES:
 1. FOR AREAS WHERE PIPE IS LOCATED UNDER NON-PAVED AREAS, BACKFILL SHALL BE COMPACTED SUITABLE NATIVE MATERIAL (DO NOT INCORPORATE FROZEN MATERIAL OR SOFT, MUCK, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL). FOR AREAS WHERE PIPE IS LOCATED UNDER PAVED AREAS, BACKFILL SHALL BE SELECT FILL COMPACTED PER STATE STANDARDS.



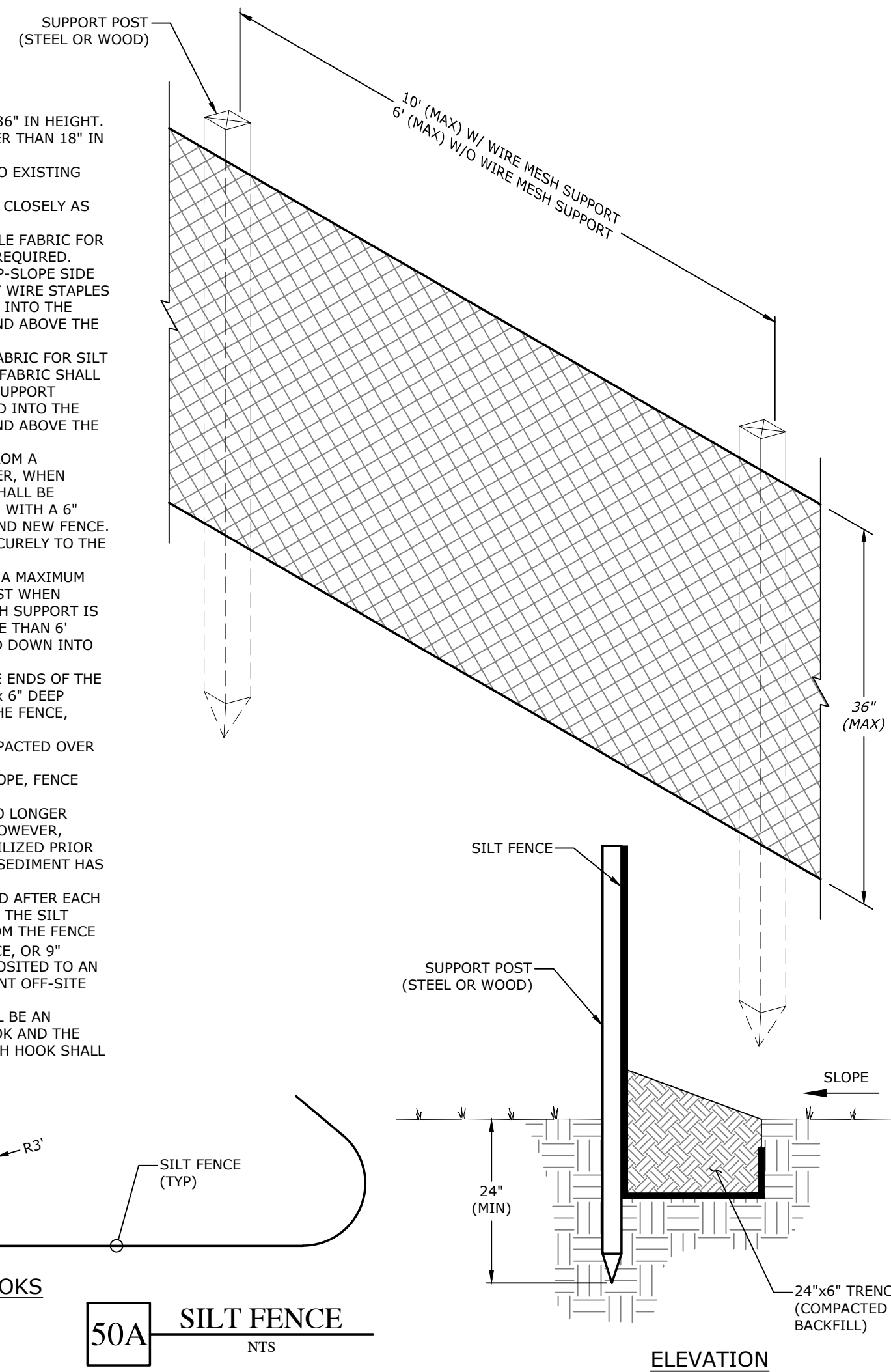
'A'	OD + 18" (MIN) OD + 24" (MAX)
'B'	.25 x OD (4" MIN)

'A'	OD + 18" (MIN) OD + 30" (MAX)
'B'	6" MIN

40L WATER LINE TRENCHING, BACKFILL, & BEDDING
NTS

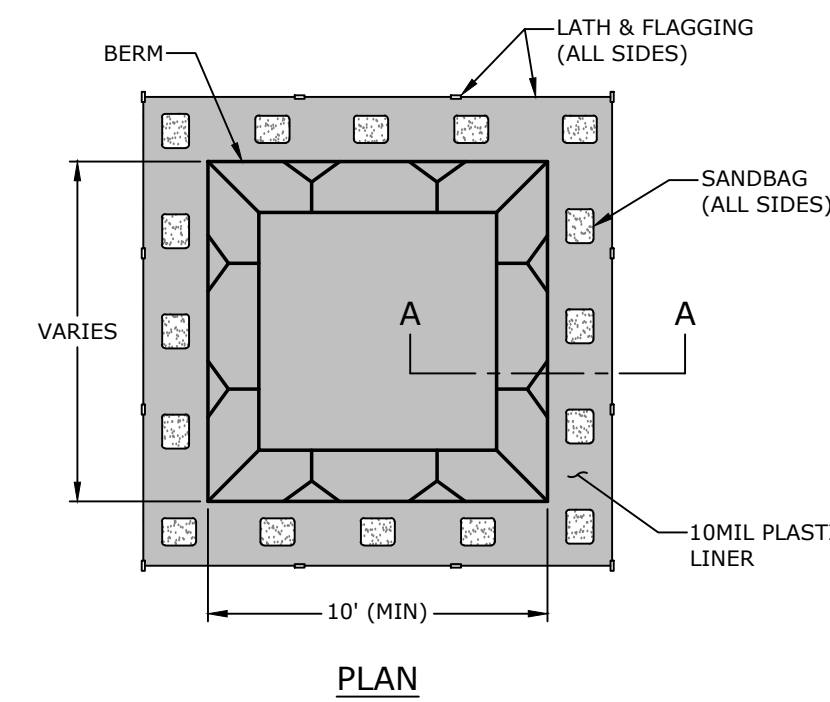
41M SANITARY SEWER TRENCHING, BACKFILL, & BEDDING
NTS

- NOTES:**
1. THE SILT FENCE SHALL BE NO GREATER THAN 36" IN HEIGHT.
 2. THE SEDIMENT STORAGE SHALL BE NO GREATER THAN 18" IN HEIGHT.
 3. SILT FENCE SHALL NOT BE STAPLED OR TIED TO EXISTING TREES.
 4. SILT FENCE SHALL PARALLEL THE CONTOUR AS CLOSELY AS POSSIBLE.
 5. WHEN USING STANDARD STRENGTH GEOTEXTILE FABRIC FOR SILT FENCING, WIRE MESH SUPPORT WILL BE REQUIRED. MESH SUPPORT SHALL BE FASTENED TO THE UP-SLOPE SIDE OF THE SUPPORT POSTS USING 1" HEAVY DUTY WIRE STAPLES OR TIE WIRES. THE WIRE MESH SHALL EXTEND INTO THE TRENCH THE FULL 6" DEPTH, AND SHALL EXTEND ABOVE THE TRENCH NO GREATER THAN 36" IN HEIGHT.
 6. WHEN USING EXTRA STRENGTH GEOTEXTILE FABRIC FOR SILT FENCING WITHOUT WIRE MESH SUPPORT, THE FABRIC SHALL BE STAPLED OR WIRE TIED DIRECTLY TO THE SUPPORT POSTS. THE GEOTEXTILE FABRIC SHALL EXTEND INTO THE TRENCH THE FULL 6" DEPTH, AND SHALL EXTEND ABOVE THE TRENCH NO GREATER THAN 36" IN HEIGHT.
 7. WHEN POSSIBLE, SILT FENCE SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID JOINTS. HOWEVER, WHEN JOINTING BECOMES NECESSARY, THE FENCE SHALL BE SPLICED TOGETHER AT A SUPPORT POST ONLY, WITH A 6" MINIMUM OVERLAP OF THE PREVIOUS FENCE AND NEW FENCE. BOTH ENDS OF FENCE SHALL BE ATTACHED SECURELY TO THE SUPPORT POST.
 8. SUPPORT POSTS SHALL BE EVENLY SPACED W/ A MAXIMUM DISTANCE OF 10' BETWEEN EACH SUPPORT POST WHEN USING WIRE MESH SUPPORT; WHEN WIRE MESH SUPPORT IS NOT USED, SUPPORT POSTS SHALL BE NO MORE THAN 6' APART. EACH SUPPORT POST SHALL BE STAKED DOWN INTO THE GROUND A MINIMUM OF 24".
 9. AT THE END OF EACH ROW OF SILT FENCE, THE ENDS OF THE FENCE SHALL BE TURNED UPHILL. A 24" WIDE x 6" DEEP TRENCH SHALL BE EXCAVATED UP-SLOPE OF THE FENCE, ALONG THE LENGTH OF THE FENCE.
 10. TRENCH SHALL BE BACKFILLED AND SOIL COMPACTED OVER THE SILT FENCE.
 11. WHEN A SILT FENCE IS NEAR THE TOE OF A SLOPE, FENCE MUST BE SET 6" FROM SAID TOE.
 12. SILT FENCING MAY BE REMOVED ONCE IT IS NO LONGER NEEDED FOR EROSION CONTROL PURPOSES. HOWEVER, UP-SLOPE SOILS MUST BE PERMANENTLY STABILIZED PRIOR TO BEING REMOVED, AND ANY ACCUMULATED SEDIMENT HAS BEEN REMOVED.
 13. SILT FENCES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINSTORM EVENT FOR ANY DAMAGE DONE TO THE SILT FENCE. ALL SEDIMENT SHALL BE REMOVED FROM THE FENCE WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE, OR 9" MAXIMUM. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 14. WHEN 'J' HOOKS ARE EMPLOYED, THERE SHALL BE AN OVERLAP OF 2" MIN. BETWEEN UPSLOPE 'J' HOOK AND THE BEGINNING OF THE DOWNSLOPE 'J' HOOK. EACH HOOK SHALL HAVE A RADIUS OF 3" MIN.

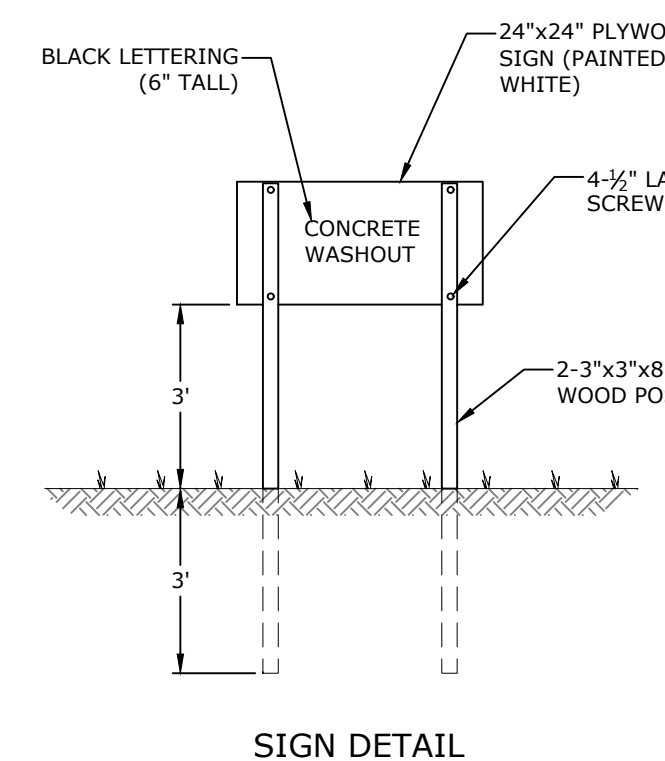
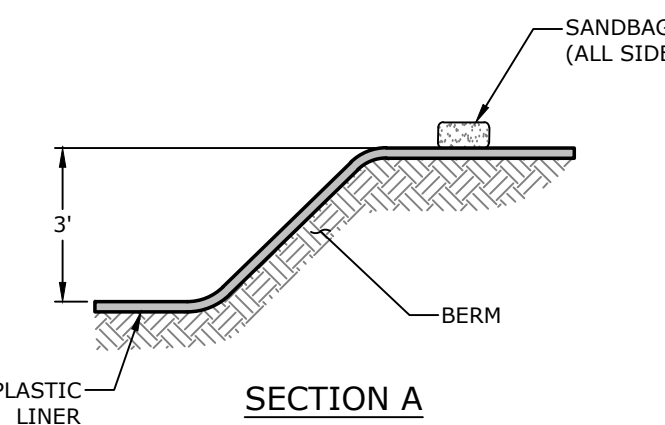


50A SILT FENCE
NTS

- NOTES:**
1. NO WASHING OUT OF CONCRETE TRUCKS OR WASHING OF SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS IS ALLOWED.
 2. EXCESS CONCRETE IS NOT ALLOWED TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED TEMPORARY CONCRETE WASHOUT PIT AREAS.
 3. ON-SITE TEMPORARY CONCRETE WASHOUT AREAS WILL BE LOCATED AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES AS DETERMINED IN THE FIELD.
 4. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
 5. TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
 6. WASHOUT FACILITIES WILL BE CLEANED OUT ONCE THE WASHOUT IS 75% FULL.
 7. PLASTIC LINING MATERIAL WILL BE MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS.
 8. WHEN WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR WORK, THE HARDENED CONCRETE WILL BE REMOVED AND DISPOSED OF. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE REMOVED FROM THE SITE AND DISPOSED OF.



50N TEMPORARY CONCRETE WASHOUT
NTS



SIGN DETAIL

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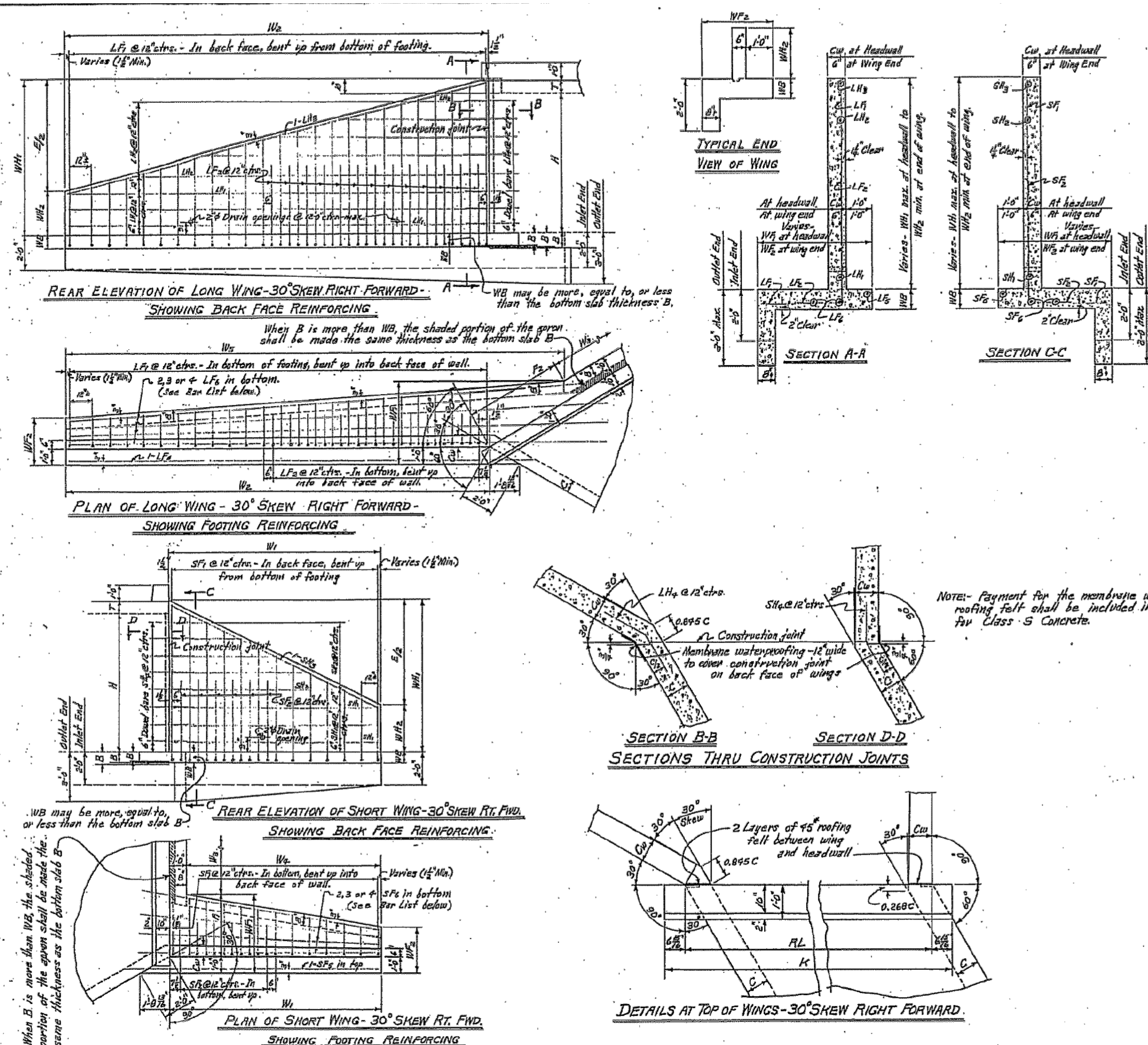
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DETAILS IV

DESIGNED BY: CEZ	DRAWN BY: CEZ
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SCALE: N.T.S	JOB NUMBER: 19-5825



BAR LIST FOR ONE SHORT AND ONE LONG WING - 2 EACH REQUIRED

CLEAR HEIGHT	WING LOCATION	SF ₂ & LF ₁ BENT				SF ₂ & LF ₂ BENT				SF ₂ & LF ₂ STRAIGHT				SH ₂ & LH ₂ STRAIGHT				SH ₂ & LH ₂ BENT				BAR BENDING DIAGRAM	QUANTITY				
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.			MIN.	MAX.		
2'	Short	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	18.2	31.9
	Long	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	26.6	98.7
4'	Short	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	40.7	75.1
	Long	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	55.4	105.1
6'	Short	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	88.7	172.2
	Long	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	175.0	334.5
8'	Short	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	278.0	923.4
	Long	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	3	5	1-4	3-4	0-8	1-7	0-11	2-11	375.0	1234.5

NOTE: Bars for short wing shall be marked with prefix letter 'S', while those for long wing shall be marked with letter 'L'.

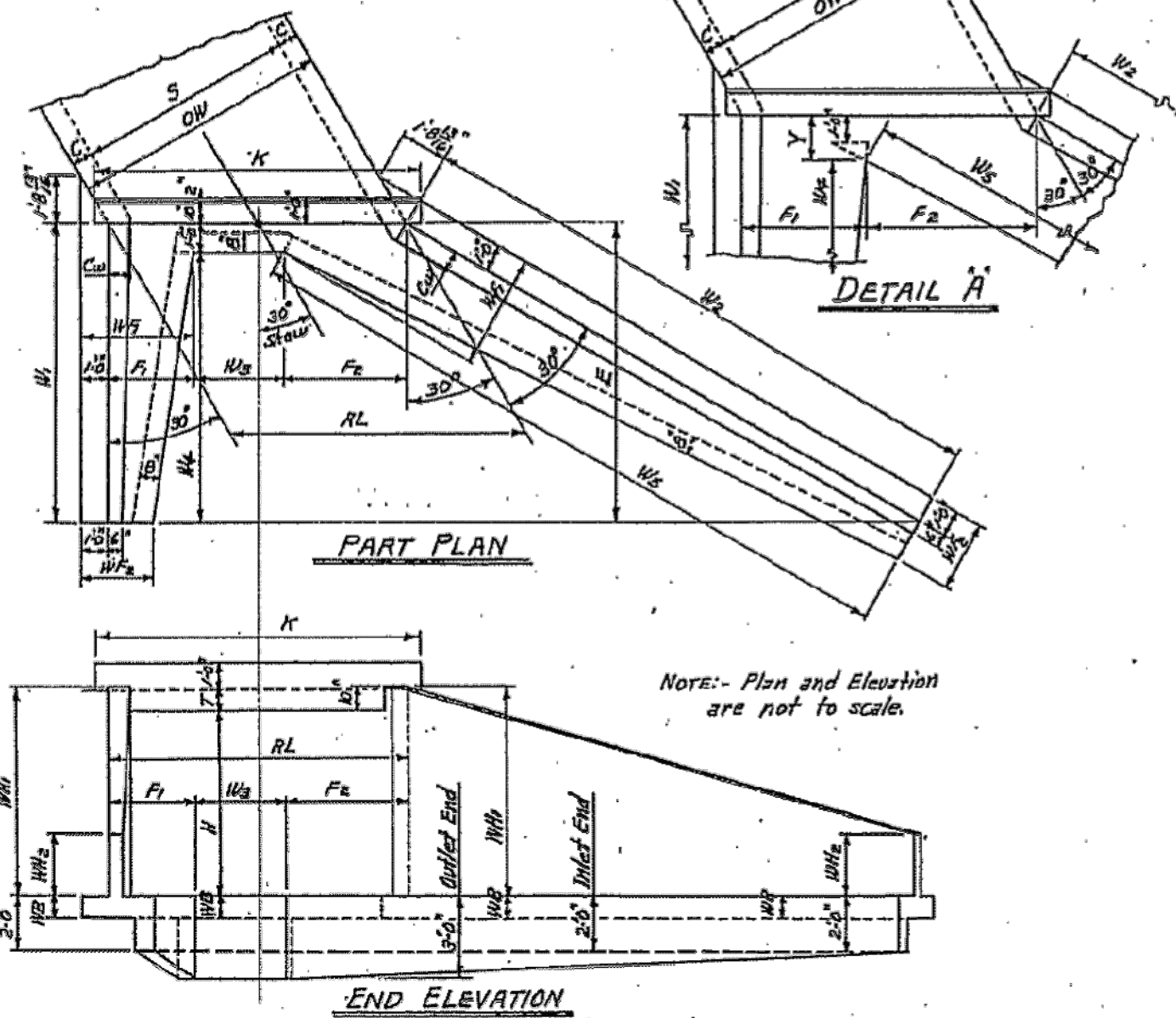
REGULAR WING DIMENSIONS - 2:1 SLOPES

CLEAR HEIGHT OF BOX THICKNESS OF WING AT HEADWALL	WING WALL HEIGHTS AT HEADWALL	WIDTHS OF WING FOOTINGS		LENGTHS OF WING WALLS		INSIDE DIMENSIONS		QUANTITY PER WING	
		SHORT WING	LONG WING	SHORT WING	LONG WING	SHORT WING	LONG WING	CLASS 5 CONCRETE	REINFORCING
2'	6"	2'-0"	0'-8"	2'-0"	1'-0"	4'-4"	0'-8"	0.505	1.054
4'	6"	3'-0"	1'-0"	3'-0"	1'-0"	5'-4"	0'-8"	0.757	1.535
6'	6"	4'-0"	1'-0"	4'-0"	1'-0"	6'-4"	0'-8"	1.054	2.229
8'	6"	5'-0"	1'-0"	5'-0"	1'-0"	7'-4"	0'-8"	1.429	3.023

* Quantity per wing does not include headwall or that portion of apron or headwall for the length W₂.
* See Table 'A' for special values of F₁, F₂ and W₁ & W₂ for Single, Double, Triple and Quintuple Barrel Culverts.

TABLE 'A' - DIMENSIONS FOR DETAIL 'A'

S	H	F ₁	F ₂	W ₁	W ₂
4'	6"	2'-7 1/2"	3'-9 1/2"	0"	1'-7 1/2"
5'	7"	3'-7 1/2"	4'-7 1/2"	0"	1'-7 1/2"
6'	8"	3'-7 1/2"	4'-7 1/2"	0"	1'-7 1/2"



SINGLE BARREL CULVERT - 30° SKEW RIGHT FORWARD

Details of Culvert with 30° Skew Left Forward is reversed, see Drawing No. W-X30.

NOTE: For remainder of General Plans and Elevations of Single, Double, Triple, Quadruple and Quintuple Span Culverts, see Std. Drawing No. W-X30. For values of RL, K and W₂ for each box, see above Std. also.

MEMBRANE: A membrane waterproofing 12" wide, consisting of three layers of waterproofing asphalt and two alternate layers of treated cotton fabric shall be applied to the back face of wing to cover the construction joints.

QUANTITIES

CLEAR SPAN	CLEAR HEIGHT	THICKNESS OF WING AT HEADWALL	THICKNESS OF WING FOOTING	REINFORCING STEEL	CLASS 5 CONCRETE - 4 WINGS				
					HEADWALLS, WING WALLS, FOOTINGS, APRONS AND BARNS	HEADWALLS	WING WALLS	FOOTINGS	APRONS
4'	6"	7"	100	4.23	5.34	6.44	7.55	8.66	
5'	6"	7"	151	5.24	6.34	7.44	8.55	9.66	
6'	6"	7"	202	6.25	7.35	8.45	9.56	10.67	
7'	6"	7"	253	7.26	8.36	9.46	10.57	11.68	
8'	6"	7"	304	8.27	9.37	10.47	11.58	12.69	

* For reinforcement steel in Headwalls and Aprons, see Drawing Nos. of Barrel Sections listed below.

GENERAL NOTES:
 CONCRETE: All concrete to be Class 5, and shall be poured in the dry. All exposed corners to have 1/2" chamfers.
 REINFORCING STEEL: Reinforcing steel to be deformed bars of intermediate or hard grade.
 CONSTRUCTION JOINTS: Construction joints between wingwall, footings and sidewalks shall be only where shown on plans.
 SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction and applicable Special Provisions.
 UNIT STRESSES:
 Class 5 Concrete (n=10) 1800 PSI
 Reinforcing Steel 20,000 PSI

NOTE: This drawing to be used in conjunction with Standard Barrel Sections, Drawing Nos. -
 SINGLES DOUBLES TRIPLES QUADRUPLES QUINTUPLES
 R-130X-0 R-230X-01 R-330X-01 R-430X-01 R-530X-01
 R-130X-1 R-230X-02 R-330X-02 R-430X-02 R-530X-02
 R-130X-2 R-230X-1 R-330X-1 R-430X-1 R-530X-1

CLASS 5 CONCRETE

DETAILS OF STANDARD WINGS FOR REINFORCED CONCRETE BOX CULVERTS 30° SKEW

4, 5, 6, 7, 8, 9, 10, 11 x 12 SPANS 2:1 SLOPES
 SINGLES, DOUBLES, TRIPLES, ALL DEPTHS OF COVER
 QUADRUPLES & QUINTUPLES. FOR H=8'-0" OR LESS.

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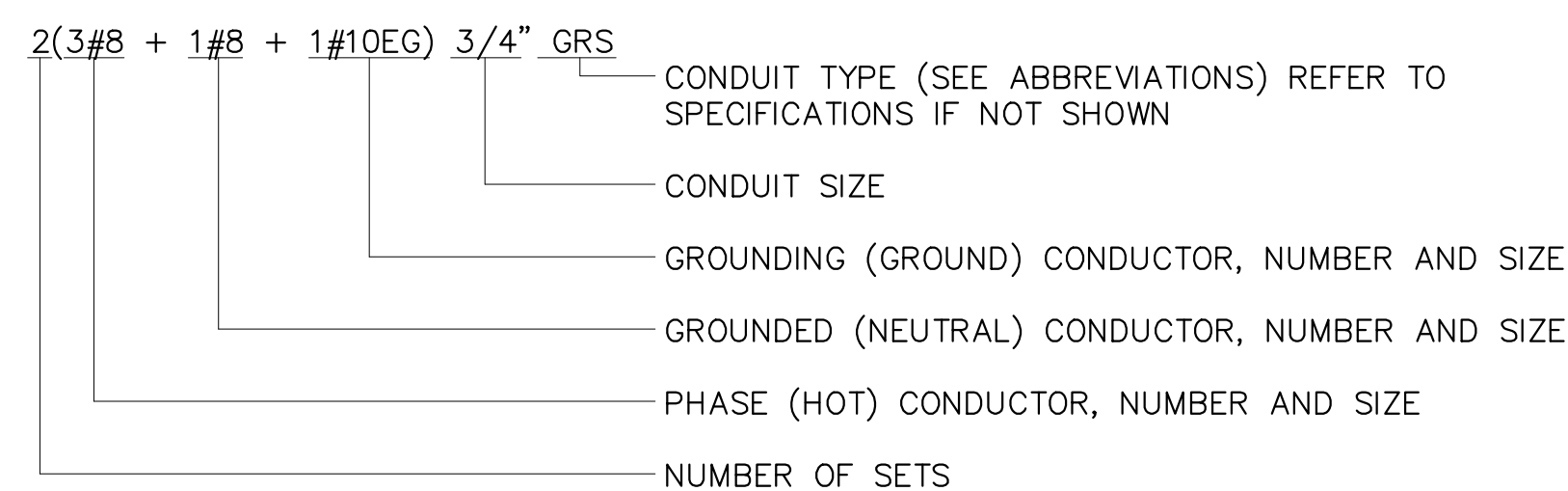
DESIGNED BY: CEZ
 DRAWN BY: CEZ
 DATE: 04/09/2024
 REVISION: BID SET
 SCALE: N.T.S.
 JOB NUMBER: 19-5825

POWER, LIGHTING & SYSTEM LEGEND

	STREET LIGHT		3/4" PLYWOOD TELEPHONE BACKBOARD, SIZE AS NOTED, MTD. 5'-6" TO TOP
	1x4 FLUORESCENT LIGHT		JUNCTION BOX 42 CUBIC INCH MINIMUM CAPACITY
	2x4 FLUORESCENT LIGHT		SMOKE DETECTOR, WALL MTD.
	FLUORESCENT LIGHT WITH EMERGENCY LIGHT (EL) BATTERY 1400 LUMENS MINIMUM FOR 2 LAMPS		SMOKE DETECTOR, CEILING MTD.
	2x2 FLUORESCENT LIGHT		FIRE ALARM PULL STATION MTD. 4'-0" A.F.F.
	RECESSED LIGHT, UNLESS OTHERWISE SHOWN		FIRE ALARM PULL STATION MTD. 4'-0" A.F.F. AND HORN MTD. 7'-0" A.F.F.
	WALL MOUNTED LIGHT—MOUNTING HEIGHT AS INDICATED		SMOKE DETECTOR, HVAC DUCT MTD.
	LED EXIT LIGHT CEILING MOUNTED, DARKENED AREA INDICATES FACE, ARROWS INDICATE DIRECTION OF EGRESS		FIRE ALARM CHIME 7'-0" A.F.F.
	4 FT. STRIP FLUORESCENT LIGHT		SPRINKLER FLOW SWITCH
	LIGHT SWITCH, MTD. 4'-0" A.F.F.		FLOOR TELEPHONE OUTLET, CAST JUNCTION-BOX
	LIGHT SWITCH, 2 POLE, MTD 4'-0" A.F.F.		WALL TELEPHONE OUTLET
	LIGHT SWITCH, 3-WAY, MTD. 4'-0" A.F.F.		DOOR SWITCH MOUNTED IN DOOR JAMB
	LIGHT SWITCH, 4-WAY, MTD. 4'-0" A.F.F.		DOOR BUTTON WEATHER PROOF, 50" A.F.F.
	LIGHT SWITCH WITH PILOT LIGHT, MTD. 4'-0" A.F.F.		DOOR BUZZER MTD 7'-0" A.F.F.
	20 AMP DUPLEX RECEPTACLE MTD. HORIZ. 6" ABOVE COUNTER TOP UNLESS OTHERWISE SHOWN		JUNCTION BOX PER DETAIL
	20 AMP DUPLEX RECEPTACLE		CIRCUIT BREAKER, TRIP RATING SHOWN, 3-POLE UNLESS NOTED
	SINGLE RECEPTACLE, RATINGS AS NOTED		FUSE, CURRENT LIMITING, RATING AS SHOWN
	HP RATED TOGGLE SWITCH, 1 OR 2 POLES AS REQUIRED W/OVERLOADS		TRANSFORMER, RATINGS AS SHOWN
	NON-FUSED DISCONNECT SWITCH, SIZE AS NOTED		ELECTRIC MOTOR, HORSEPOWER SHOWN
	COMBINATION DISCONNECT AND MOTOR STARTER, SIZE AS NOTED. FUSED TYPE SHOWN.		MOTOR STARTER, SIZE AS SHOWN OR REQUIRED. FVNR UNLESS NOTED
	FUSED DISCONNECT SWITCH, SIZE AS NOTED		VARIABLE FREQUENCY DRIVE
	PUSHBUTTON STATION, NEMA 4X		DUCT BANK, IDENTIFIER SHOWN. REFER TO DUCT BANK SCHEDULE FOR SIZE AND CONFIGURATION.
	ELECTRICAL PANEL, SURFACE MOUNTED, 5'-6" TO TOP OF ENCLOSURE		3/4" x 10' COPPER CLAD GROUND ROD
	ELECTRICAL PANEL, RECESSED MOUNTED, 5'-6" TO TOP OF ENCLOSURE		SURGE ARRESTOR
	EQUIPMENT CABINET SIZE AS NOTED, RECESSED MOUNTED, 5'-6" TO TOP OF ENCLOSURE		GENERATOR
	EQUIPMENT CABINET SIZE AS NOTED, SURFACE MOUNTED, 5'-6" TO TOP OF ENCLOSURE		ATS/BP/IS 3P400
	HOME RUN TO PANEL, RECEPTACLES AND EQUIPMENT SHALL HAVE GREEN GROUND WIRE. NUMBER OF ARROWS INDICATES NUMBER OF PHASE CONDUCTORS, LETTER(S) INDICATE NAME OF PANEL, NUMBER(S) INDICATE CIRCUIT NUMBERS		WEATHERHEAD
	BRANCH CIRCUIT WITH PHASE, NEUTRAL, SWITCHED PHASE AND EQUIPMENT GROUNDING CONDUCTORS		CABLE CONNECTION
	TELEPHONE OUTLET, SINGLE GANG BOX MTD. 18" A.F.F. WITH 3/4" STUB TO ABOVE LAY-IN CEILING. "W" INDICATES 4'-6" MTD. HEIGHT FOR WALL PHONE.		

LINE TYPES

	FURNISH + INSTALL
	EXISTING



ABBREVIATIONS

A	AMP	TEL	TELEPHONE
ACU	AIR CONDITIONING UNIT	TD	TIME DELAY
AFF	ABOVE FINISHED FLOOR	TDD	TIME DELAY ON DE-ENERGIZATION
AIC	AMPS INTERRUPTING CAPACITY	TDE	TIME DELAY ON ENERGIZATION
AM	AMP-METER	TYP	TYPICAL
ANN	ANNUNCIATOR	TC	TIME CLOCK
AP	AERIAL PRIMARY	UG	UNDER GROUND
AS	AERIAL SECONDARY	UH	UNIT HEATER
AUX	AUXILIARY	UP	UNDERGROUND PRIMARY
BFI	BLOWN FUSE INDICATOR	US	UNDERGROUND SECONDARY
BKR	BREAKER	VA	VOLT-AMP
C	CONDUIT	VFD	VARIABLE FREQUENCY DRIVE
CGRS	PVC COATED GALVANIZED RIGID STEEL	VM	VOLT-METER
CKT	CIRCUIT	W	WATT OR WIRE
COM	COMMON	WH	WEATHER HEAD
CONT	CONTINUOUS	WM	WATT METER
CP	CONTROL PANEL	WP	WEATHERPROOF
CPT	CONTROL POWER TRANSFORMER	W/	WITH
CR	CONTROL RELAY	XMFR	TRANSFORMER
CS	CORD SET		
CU	COEFFICIENT OF UTILIZATION		
DEB	DIRECT EARTH BURIED		
EC	EMPTY OR EMBEDDED CONDUIT		
EF	EXHAUST FAN		
EG	EQUIPMENT GROUND		
EL	ELEVATION		
EMT	ELECTRICAL METALLIC TUBING		
ETM	ELAPSED TIME METER		
FA	FIRE ALARM		
FAP	FIRE ALARM PANEL		
FC	FAN COIL		
FLR	FLOOR		
FOC	FIBER OPTIC CABLE		
FS	FLOAT SWITCH		
FT	FEET		
FVNR	FULL VOLTAGE NON-REVERSING STARTER		
FVR	FULL VOLTAGE REVERSING STARTER		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER		
GND	GROUND		
GRS	GALVANIZED RIGID STEEL		
HOA	HAND-OFF-AUTO		
HP	HORSEPOWER OR HEAT PUMP		
HR	HOUR		
JB	JUNCTION BOX		
kVA	KILOVOLT-AMPERE		
kVAR	KILOVOLT-AMPERE, REACTIVE		
kW	KILOWATT		
LA	LIGHTNING ARRESTOR		
L.O.	LUGS ONLY		
LV	LOW VOLTAGE		
MCB	MAIN CIRCUIT BREAKER		
MCC	MOTOR CONTROL CENTER		
MCP	MOTOR CIRCUIT PROTECTOR		
MFR	MANUFACTURER		
MIN	MINIMUM		
MS	MOTOR STARTER		
MTD	MOUNTED		
NFDS	NON-FUSED DISCONNECT SWITCH		
NTS	NOT TO SCALE		
OC	ON CENTER		
OH	OVERHEAD		
OL	OVERLOAD		
PB	PUSH BUTTON		
PEC	PHOTO ELECTRIC CELL		
PF	POWER FACTOR		
PL	PILOT LIGHT		
PMR	PHASE MONITOR RELAY		
PNL	PANEL		
PTT	PUSH-TO-TEST		
PVC	SCHEDULE 40 POLYVINYL CONDUIT		
RECPT	RECEPTACLE		
RM	ROOM		
RVAT	REDUCED VOLTAGE AUTO-TRANSFORMER STARTER		
S	SECOND		
SA	SURGE ARRESTER		
SDBC	SOFT DRAWN BARE COPPER		
SE	SERVICE ENTRANCE		
SHT	SHEET		
SN	SOLID NEUTRAL		
SS	STAINLESS STEEL		
STA	STATION		
SW	SWITCH		

CONTROL SCHEMATIC LEGEND

	WIRING WITHIN PANEL
	WIRING TO FIELD DEVICE
	PUSHBUTTON SWITCH, NORMALLY OPEN
	PUSHBUTTON SWITCH, NORMALLY CLOSED
	SELECTOR SWITCH, NUMBER OF POSITIONS AND CONTACTS AS SHOWN
	RELAY CONTACT, NORMALLY OPEN
	RELAY CONTACT, NORMALLY CLOSED
	TIME DELAY CONTACT, CLOSE ON ENERGIZATION
	TIME DELAY CONTACT, OPEN ON ENERGIZATION
	TIME DELAY CONTACT, OPEN ON DE-ENERGIZATION
	LEVEL SWITCH
	PRESSURE SWITCH
	LIMIT SWITCH CONTACT, NORMALLY OPEN
	LIMIT SWITCH CONTACT, NORMALLY CLOSED
	LIMIT SWITCH CONTACT, HELD OPEN
	LIMIT SWITCH CONTACT, HELD CLOSED
	RELAY COIL, "TR" INDICATES "TIMING RELAY"
	PILOT LIGHT; "A" INDICATES "AMBER LENS", "G" INDICATES "GREEN LENS", "R" INDICATES "RED LENS"
	SOLENOID
	ELAPSED TIME METER
	TERMINAL BLOCK
	ELECTRICAL CONNECTION
	FUSE, AMPERE RATING AS SHOWN OR REQUIRED "BFI" INDICATES "BLOWN FUSE INDICATOR" TYPE
	GROUND CONNECTION TO ENCLOSURE GROUND BAR

GENERAL NOTES:

- SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT BE UTILIZED ON THE PROJECT.

S:\PRODUCTION\PROJECTS\MCCLELLAND CONSULTING ENGINEERS (MCE)\MCE-203 LAKE POINSETT STATE PARK MODULAR RESTROOM\DWG\EO1_LEGEND.DWG 1/18/2024 3:17 PM

MCE MCCLELLAND CONSULTING ENGINEERS, INC.
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS
501-371-0272
HTTP://WWW.MCE.US.COM



ORIGINAL SIGNATURE ON FILE

LAKE POINSETT STATE PARK
DAY USE IMPROVEMENTS
5752 STATE PARK RD.
HARRISBURG, ARKANSAS



NO.	DATE	DESCRIPTION	REVISIONS

ELECTRICAL LEGEND

DESIGNED BY: BB	DRAWN BY: CD
DATE: JAN., 2024	
SCALE: AS SHOWN	JOB NUMBER: MCE-203

S:\PRODUCTION\PROJECTS\MCCLELLAND CONSULTING ENGINEERS (MCE)\MCE-203 LAKE POINSETT STATE PARK MODULAR RESTROOM\DWG\E02_SITE_PLAN.DWG
1/18/2024 3:19 PM



ORIGINAL SIGNATURE ON FILE

**LAKE POINSETT STATE PARK
DAY USE IMPROVEMENTS**
5752 STATE PARK RD.
HARRISBURG, ARKANSAS

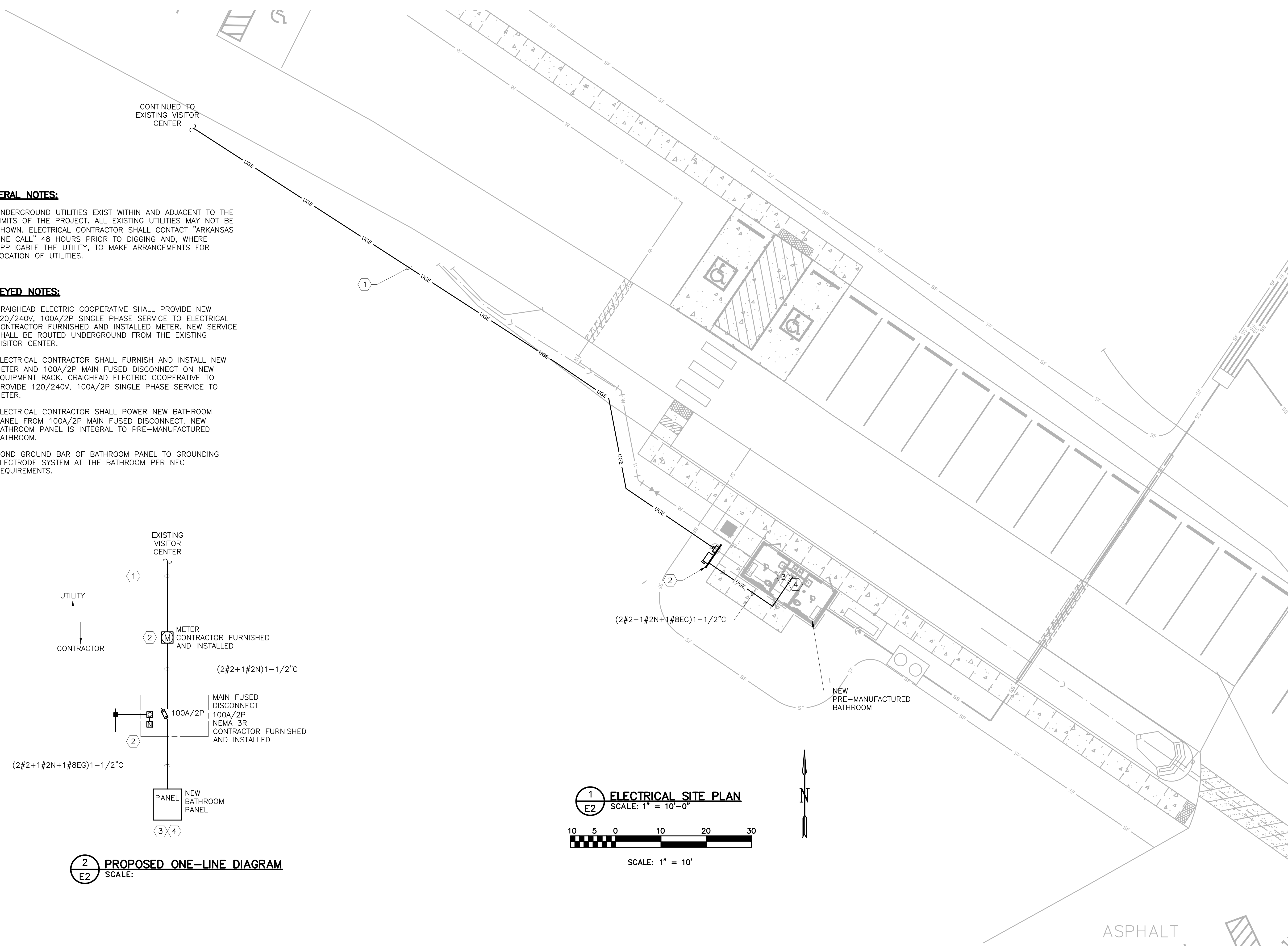


NO.	DATE	DESCRIPTION

**ELECTRICAL
SITE PLAN**

DESIGNED BY: BB	DRAWN BY: CD
DATE: JAN., 2024	
SCALE: AS SHOWN	JOB NUMBER: MCE-203

E2

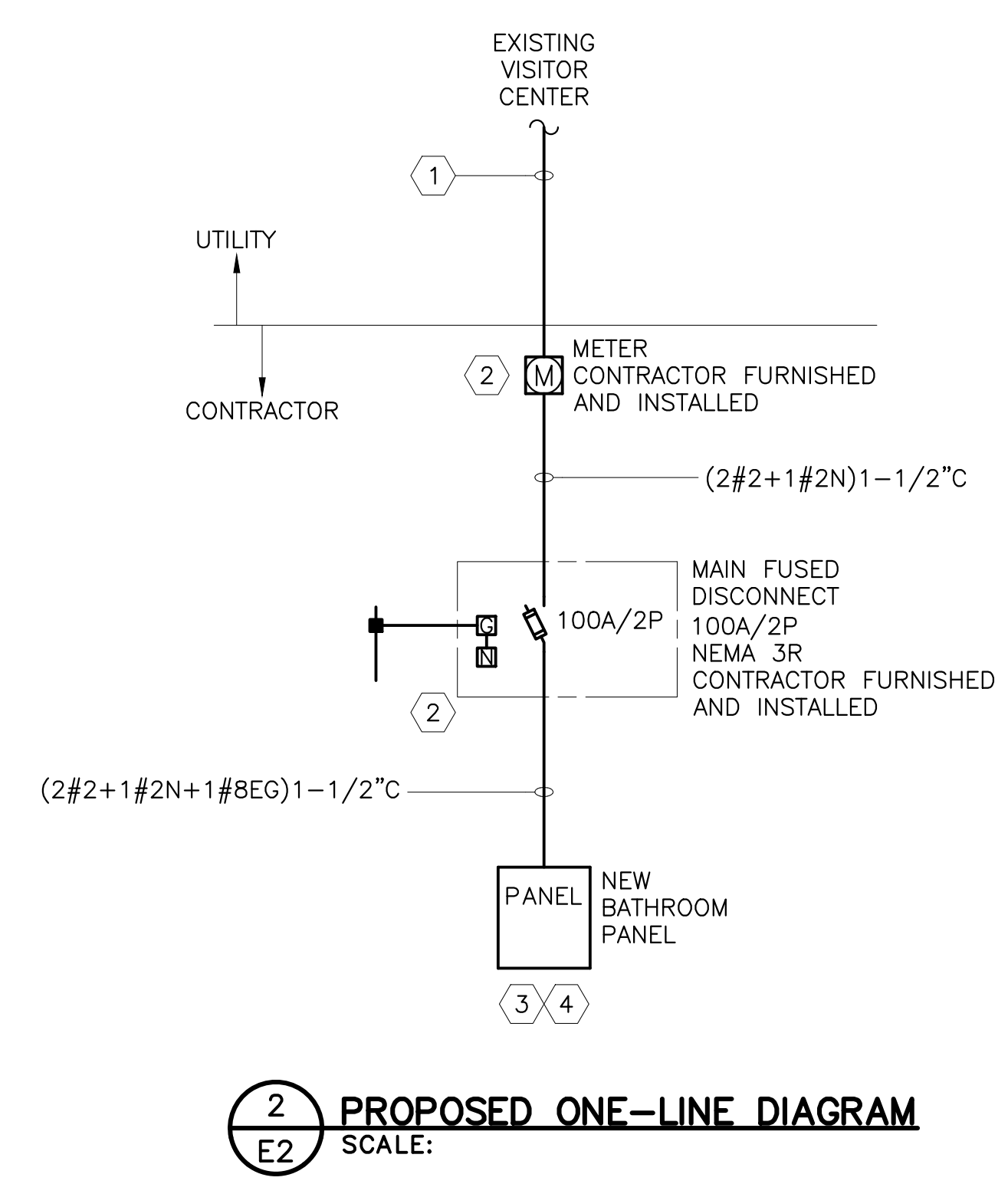


GENERAL NOTES:

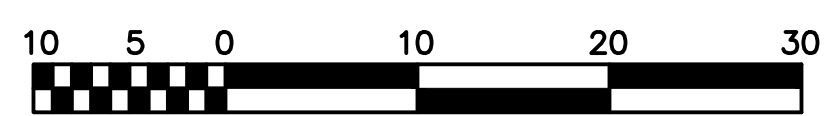
- UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF THE PROJECT. ALL EXISTING UTILITIES MAY NOT BE SHOWN. ELECTRICAL CONTRACTOR SHALL CONTACT "ARKANSAS ONE CALL" 48 HOURS PRIOR TO DIGGING AND, WHERE APPLICABLE THE UTILITY, TO MAKE ARRANGEMENTS FOR LOCATION OF UTILITIES.

KEYED NOTES:

- CRAIGHEAD ELECTRIC COOPERATIVE SHALL PROVIDE NEW 120/240V, 100A/2P SINGLE PHASE SERVICE TO ELECTRICAL CONTRACTOR FURNISHED AND INSTALLED METER. NEW SERVICE SHALL BE ROUTED UNDERGROUND FROM THE EXISTING VISITOR CENTER.
- ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL NEW METER AND 100A/2P MAIN FUSED DISCONNECT ON NEW EQUIPMENT RACK. CRAIGHEAD ELECTRIC COOPERATIVE TO PROVIDE 120/240V, 100A/2P SINGLE PHASE SERVICE TO METER.
- ELECTRICAL CONTRACTOR SHALL POWER NEW BATHROOM PANEL FROM 100A/2P MAIN FUSED DISCONNECT. NEW BATHROOM PANEL IS INTEGRAL TO PRE-MANUFACTURED BATHROOM.
- BOND GROUND BAR OF BATHROOM PANEL TO GROUNDING ELECTRODE SYSTEM AT THE BATHROOM PER NEC REQUIREMENTS.

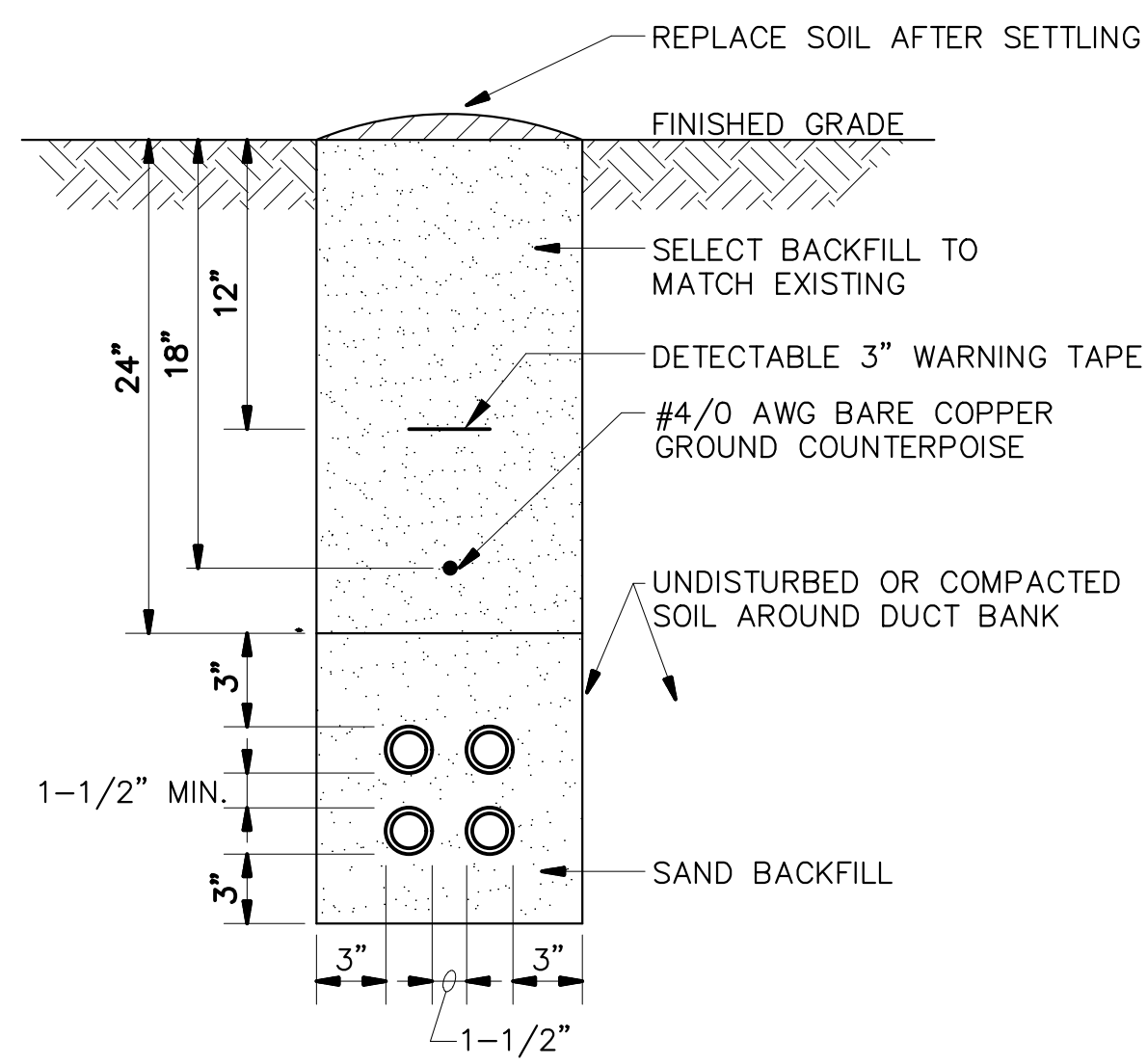


1 ELECTRICAL SITE PLAN
SCALE: 1" = 10'-0"



SCALE: 1" = 10'

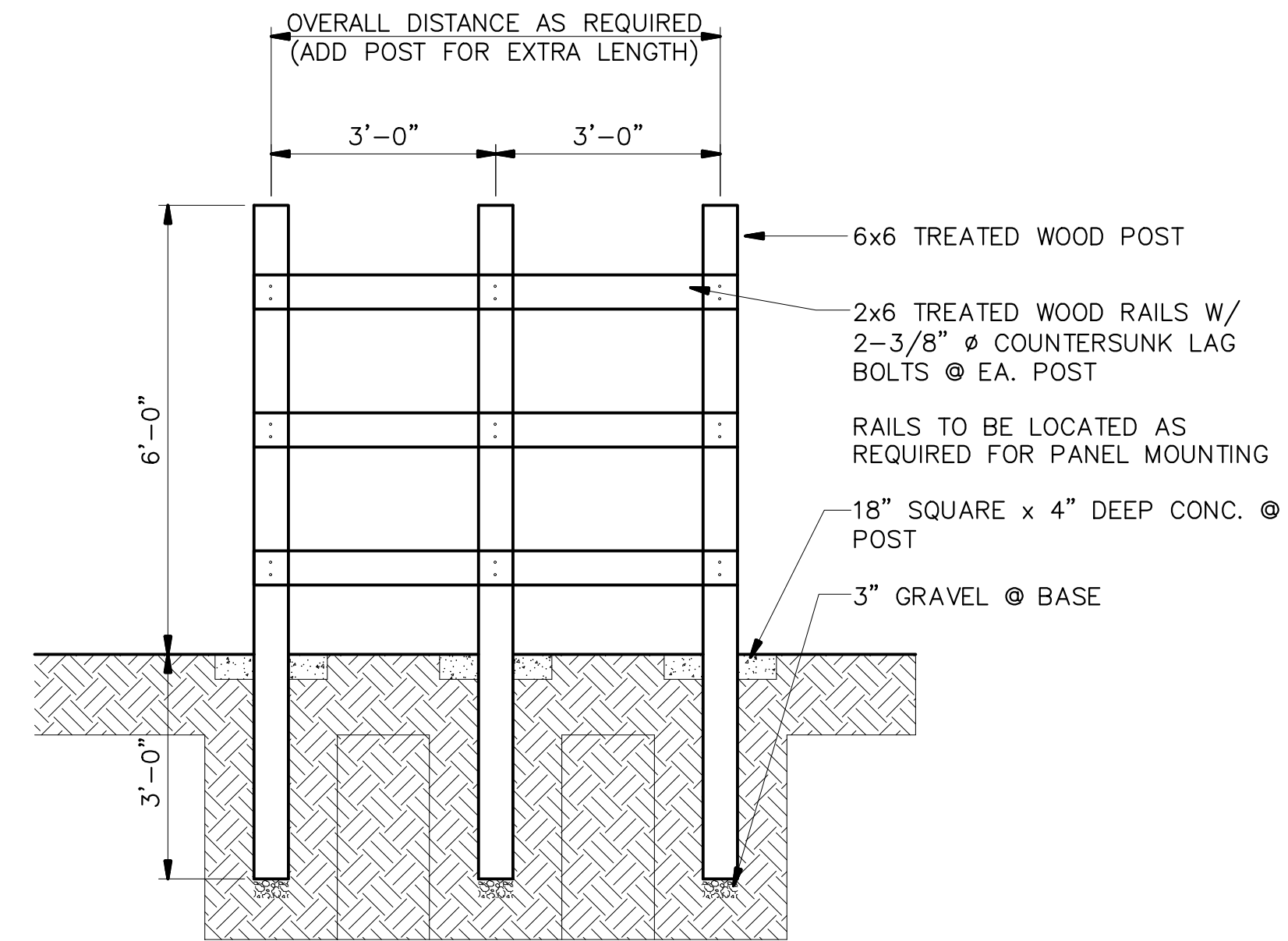




1 TRENCH DETAIL
E3 SCALE: NONE

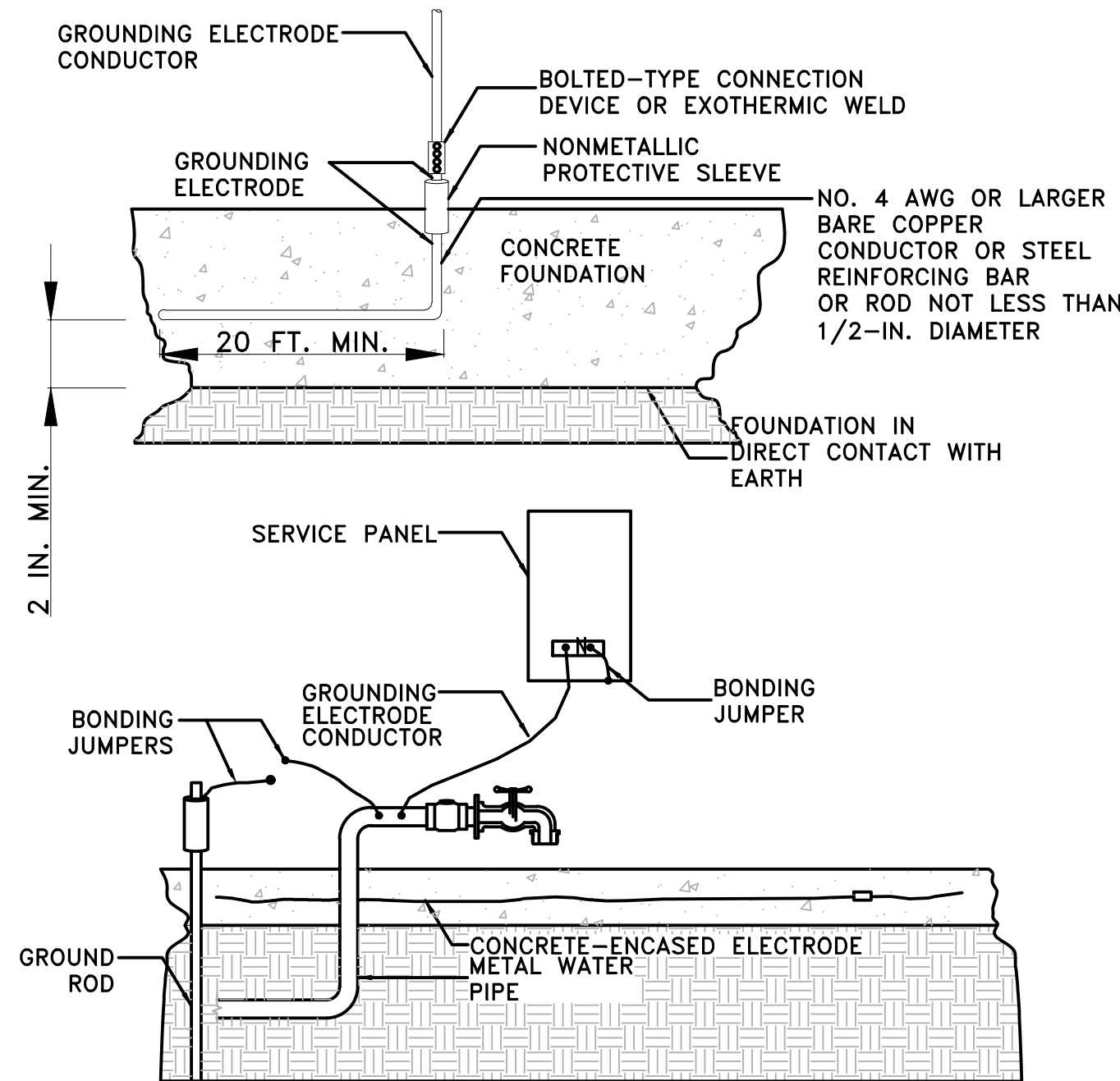
ELECTRICAL DUCT NOTES:

- CONTRACTOR SHALL STAKE THE DUCT INSTALLATION IN PLAN AND ELEVATION FOR NEW ELECTRICAL DUCTS TO AVOID EXISTING UTILITIES.
- CONTRACTOR SHALL ADJUST THE DEPTH OF THE ELECTRICAL DUCTS AS REQUIRED TO MAINTAIN THE MINIMUM COVER REQUIREMENT INDICATED AND AVOID EXISTING UTILITIES.
- SIMILAR CONSTRUCTION FOR OTHER DUCT SIZES. SEE DUCT BANK SCHEDULE FOR QUANTITY AND SIZES.
- INSTALL DUCT CONDUIT SUPPORTS AT 5'-0" O.C. MAXIMUM SPACING (TYPICAL ALL DUCTS).
- OFFSETS AND BENDS OVER 10 DEGREES AND ELBOWS IN PVC CONDUIT RUNS SHALL BE PVC COATED GALVANIZED RIGID STEEL CONDUIT.
- NO PVC SHALL EMERGE FROM THE GROUND OR CONCRETE SLAB OR ENCASEMENT, PVC SHALL CONVERT TO PVC COATED GALVANIZED RIGID STEEL CONDUIT PRIOR TO ITS EMERGENCE.
- INSTALL GROUND RODS AT ENDS OF ELECTRICAL DUCT OR CONNECT TO GROUND RING.
- INSTALL CONDUCTORS AND CABLES AS NOTED ON DRAWING. INSTALL PULLWIRE IN ALL SPARE DUCTS.
- MINIMUM COVER REQUIREMENT FOR DUCT BANKS UNDER ROADS, DRIVEWAYS AND PARKING LOTS SHALL BE 24".
- MINIMUM COVER REQUIREMENTS FOR ELECTRICAL SECONDARY SERVICE DUCT BANKS SHALL BE 30".
- MINIMUM COVER REQUIREMENTS FOR ELECTRICAL PRIMARY SERVICE DUCT BANKS SHALL BE 36".



2 PANEL RACK
E3 SCALE: NONE

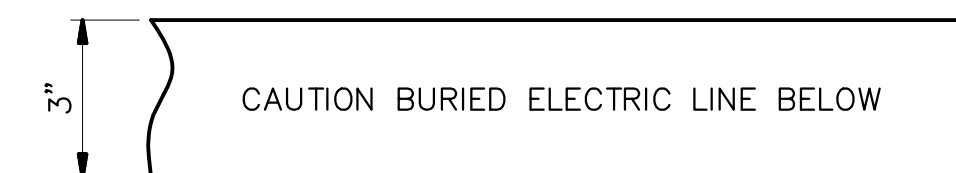
NOTE: LOCATE BEHIND TRANSFORMER FACE AWAY FROM TRANSFORMER (WHERE LOCATED BY TRANSFORMER)



3 NEC 250 ELECTRICAL GROUNDING DETAILS
E3 SCALE: NONE

GROUND GRID NOTES

- INSTALL 1/0 AWG STANDED BARE SOFT DRAWN COPPER (BSDC) WIRE AND BOND GROUND TO REINFORCING STEEL BAR IN CONCRETE STRUCTURE FOOTING.
- MAKE ALL CONNECTIONS USING EXOTHERMIC WELDING (CADWELD) PROCESS.
- INSTALL 3/4" CONDUIT WITH (1)-#1/0 AWG COPPER GROUNDING ELECTRODE CONDUCTOR BETWEEN BUILDING STEEL COLUMN AND GROUND. REMOVE PAINT DOWN TO BARE AND BOND GROUND TO STEEL WITH MECHANICAL LUG. REPAINT AFTER INSTALLATION IS COMPLETE.



GENERAL NOTES:

- POWER MARKING TAPES SHALL BE DETECTABLE TYPE CONSTRUCTION WITH RED BACKGROUND AND BLACK LETTERING.
- COMMUNICATION MARKING TAPES SHALL BE DETECTABLE TYPE CONSTRUCTION WITH ORANGE BACKGROUND AND BLACK LETTERING, "TELEPHONE LINE" OR "FIBER OPTIC LINE" RESPECTIVELY.
- TAPE SHALL BE DETECTABLE, DURABLE, HIGHLY VISIBLE, RESISTANT TO ELEMENTS, MEETING AND/OR EXCEEDING ALL INDUSTRY STANDARDS.

4 UNDERGROUND DETECTABLE WARNING TAPE
E3 SCALE: NONE

NO.	DATE	DESCRIPTION

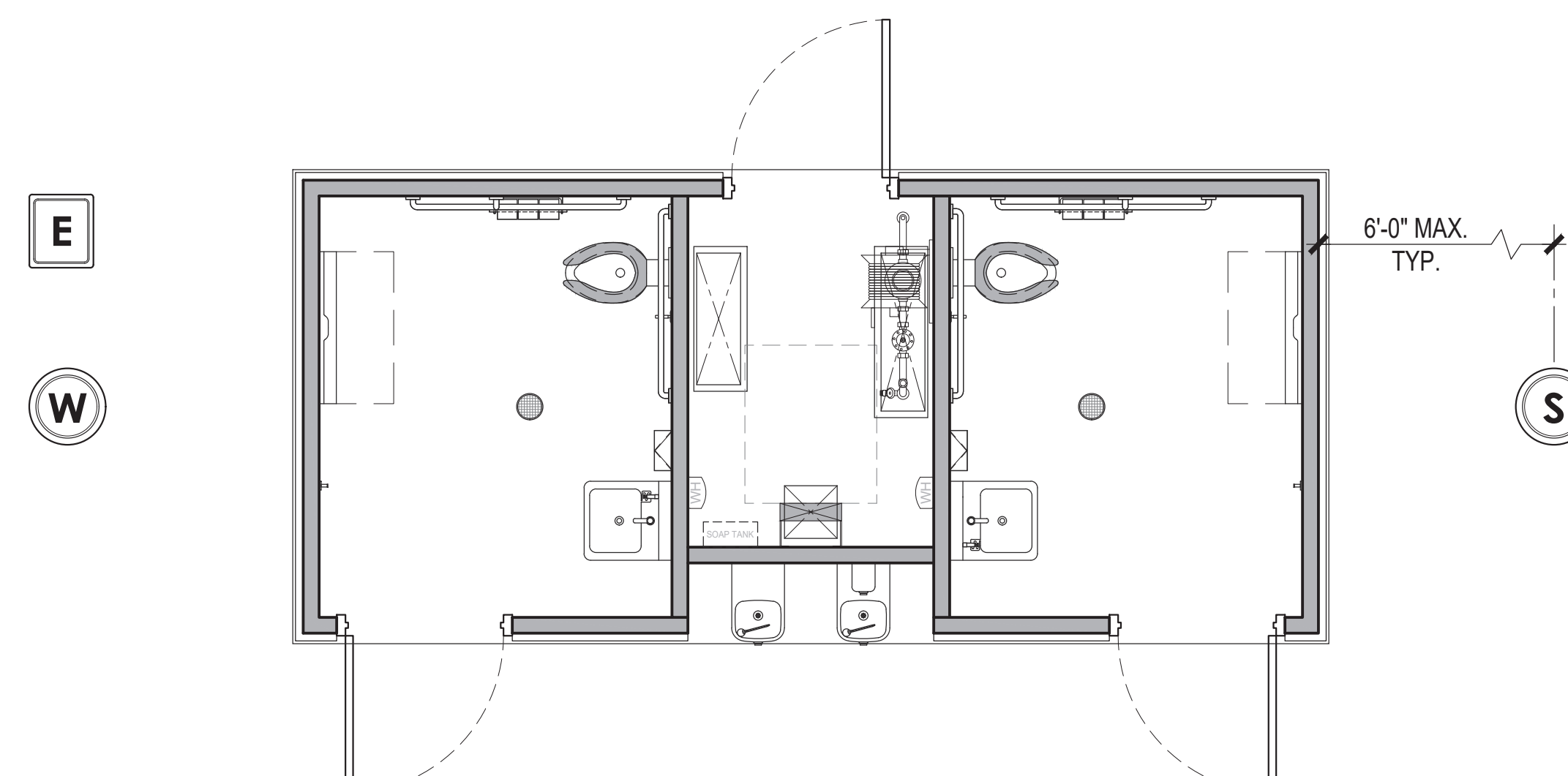
Restroom Building

LAKE POINSETT STATE PARK

Harrisburg, AR

CODE COMPLIANCE

APPLICABLE CODES:	<ul style="list-style-type: none"> 2021 ARKANSAS BUILDING CODE 2018 ARKANSAS PLUMBING CODE 2020 ARKANSAS ELECTRICAL CODE 2009 ARKANSAS ENERGY CODE 2017 ARKANSAS ACCESSIBILITY CODE
OCCUPANCY & USE:	U (WITH ACCESSIBILITY PROVISIONS FOR RESTROOMS)
TYPE OF CONSTRUCTION:	V-B
FIRE SPRINKLERS:	NO
HEIGHT & STORIES:	
BUILDING HEIGHT	12'-5" (40'-0" ALLOWED)
NUMBER OF STORIES	1 STORY (1 STORY ALLOWED)
BUILDING AREA:	168 s.f. (5,500 ALLOWED)
CLIMATE ZONE:	3
PRC JOB NUMBER:	11662
BUILDING MODEL NUMBER:	PS-022-DF-BF
NUMBER OF BUILDING MODS:	1



DRAWING INDEX

SHEETS	PRC PLAN REVIEW - 09/19/2023	DESIGN SUBMITTAL - 09/22/2023	PRC PLAN REVIEW - 10/25/2023	STRUCTURAL REVIEW - 10/27/2023	CONSTRUCTION DOCUMENTS - 11/22/2023
T-1 TITLE SHEET	●	●	●	●	●
AC ACCESSIBILITY COMPLIANCE	●	●	●	●	●
A-1 FLOOR PLAN, STRUCTURAL DESIGN & SCHEDULES	●	●	●	●	●
A-1.1 TOP OF WALL CAP BEAM & ROOF FRAMING PLAN, BUILDING SECTIONS	●	●	●	●	●
A-2 EXTERIOR ELEVATIONS & FINISH SCHEDULE	●	●	●	●	●
A-3 INTERIOR ELEVATIONS & SCHEDULES	●	●	●	●	●
P-1 PLUMBING PLANS & SCHEDULES	●	●	●	●	●
E-1 ELECTRICAL PLAN & SCHEDULES	●	●	●	●	●
S-1 CONCRETE SLAB PLAN & DETAILS	●	●	●	●	●

GENERAL NOTES

- THE STRUCTURAL DESIGN DETAILS HEREIN ARE SPECIFIC TO THE BUILDING SIZE AND MODULE CONFIGURATION SHOWN ON THE FLOOR PLAN OF THESE DRAWINGS.
- LOCATION OF THIS BUILDING SHALL MEET REQUIRED PROPERTY CODE SETBACKS PER LOCAL JURISDICTION.
- ACCESSIBILITY TO THIS STRUCTURE SHALL BE IN CONFORMANCE WITH LOCAL CODE INCLUDING ALL PATHWAYS, RAMPS AND PATHS OF TRAVEL FROM PARKING TO THE BUILDING.
- SOIL BEARING REQUIREMENT IS 1500 PSF, SUB GRADE COMPACTION AT 90%. SITE BUILDING PAD PREPARATION BY OTHERS.
- ALL DIMENSIONS HEREIN ARE NOMINAL AND SUBJECT TO CHANGE AS LONG AS THEY DO NOT VIOLATE CODE.
- THIS BUILDING IS NOT DESIGNED TO BE HEATED OR COOLED FOR OCCUPANT COMFORT AND DOES NOT CONFORM TO ENERGY CODE MINIMUM INSULATION REQUIREMENTS.
- THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A WUI (WILDLAND URBAN INTERFACE) FIRE AREA.
- ALL WORK REQUIRED TO BE COMPLETED ON SITE SUBJECT TO LOCAL REVIEW, APPROVAL AND INSPECTION BY LOCAL AHJ. OWNER / GENERAL CONTRACTOR RESPONSIBLE FOR ALL INSPECTIONS.
 - SITE CONCRETE FOUNDATION (IF APPLICABLE)
 - COMPACTED BUILDING PAD
 - UNDER SLAB UTILITY PIPING (SEE NOTE)
 - ELECTRICAL CONNECTION
 - WATER SUPPLY CONNECTION
 - SEWER (DWV) CONNECTION
 - CONCRETE WALKWAY COMPLIANT WITH PATH OF TRAVEL FROM ACCESSIBLE PARKING
- NOTE: PUBLIC RESTROOM COMPANY WILL ONLY FURNISH AND INSTALL UNDERGROUND UTILITIES (UNDER SLAB) EXTENDING 6 FEET (MAX.) BEYOND THE BUILDING LINE. MIN. OF 24" - MAX. OF 36" BELOW GRADE - U.N.O. ALL UTILITY BOXES TO BE PROVIDED BY OTHERS.
- SITE INSTALLATION DETAILS ARE NOTED ON SHEETS S-1 FOR STRUCTURAL CONNECTIONS, A-2 FOR WEATHERIZATION FINISH, P-1 FOR PLUMBING CONNECTIONS & E-1 FOR ELECTRICAL CONNECTIONS IN ACCORDANCE w/ SECTION 4368.
 - SERVICE HOOKUPS (PLUMBING AND ELECTRICAL CONNECTIONS).
 - PATCH AND FINISH AT CRANE PICK LOCATIONS AS NEEDED.
 - INSTALL AND CONNECT PLUMBING DRAIN TRAPS ASSEMBLIES.

Utility Location

NOTE: FINAL LOCATIONS OF P.O.C. TO BE COORDINATED WITH P.R.C. AND TO BE CONFIRMED ON SITE. UTILITY BOXES TO BE PROVIDED BY OTHERS.

PROJECT INFORMATION

SITE ADDRESS: LAKE POINSETT STATE PARK - 5752 State Park Road, Harrisburg, AR 72432

PROJECT OWNER:
STATE of ARKANSAS
 1 Capitol Mall
 Little Rock, AR 72201
CONTACT: Christopher Myers
POSITION: Chief Park Planner
PHONE: (501) 682-6936
FAX: (501) 682-1199
EMAIL: christopher.myers@arkansas.gov

STRUCTURAL ENGINEER:
ICC NTA, LLC
 305 Oakland Avenue
 Nappanee, IN 46550
CONTACT: Brian K. Willis, P.E.
POSITION: Engineering Manager
PHONE: (574) 773-7975 x6534
FAX: (574) 773-7975
E-MAIL: bwillis@icc-nta.org

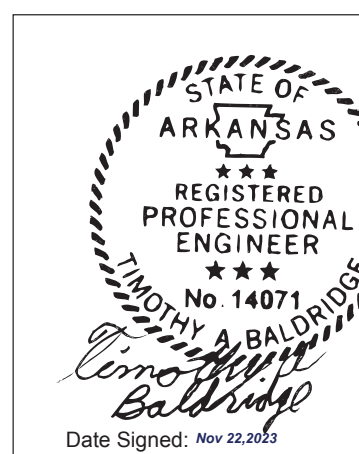
DESIGNER / CERTIFIED MANUFACTURER:
PUBLIC RESTROOM COMPANY
 2587 Business Parkway
 Minden, NV 89423
CONTACT: Chad Kaufman
PHONE: (888) 888-2060
FAX: (888) 888-1448
E-MAIL: chad@publicrestroomcompany.com

DESIGN LOADS

STRUCTURAL DESIGN CRITERIA					
GRAVITY LOADS	FLOOR LIVE	125 psf	SEISMIC	SEISMIC DESIGN CATEGORY	D
	FLOOR DEAD	80 psf		SITE CLASS	D
	ROOF LIVE	20 psf		IMPORTANCE FACTOR	1.0
	ROOF DEAD	10 psf		RISK CATEGORY	II
	EXTERIOR WALL DEAD	50 psf		MAPPED ACCELERATIONS	
SNOW	GROUND SNOW, P _g	10 psf	S _s	1.56	
	FLAT-ROOF SNOW, P _f	7.7 psf	S ₁	0.54	
	IMPORTANCE FACTOR, I _s	1.00	SPECTRAL RESPONSE		
	EXPOSURE FACTOR, C _e	1.00	S _{DS}	1.24	
	THERMAL FACTOR, C _t	1.10	S _{D1}	0.63	
WIND	ULTIMATE WIND SPEED, V _{ult}	115 mph	SEISMIC FORCE RESISTING SYSTEM	A7	
	EXPOSURE CATEGORY	C		DESIGN BASE SHEAR	0.25W
	RISK CATEGORY	II		RESPONSE MODIFICATION FACTOR	5.0
	INTERNAL PRESSURE, G _{cp1}	+/- 0.18		ANALYSIS PROCEDURE	ASCE7-16
	MEAN ROOF HEIGHT	15 FT			
BUILDING SHALL NOT BE PLACED ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT				FLOOD BUILDING SHALL NOT BE LOCATED, IN WHOLE OR IN PART, IN A FLOOD HAZARD AREA AS ESTABLISHED BY THE AUTHORITY HAVING JURISDICTION UNLESS SET ON A FOUNDATION DESIGNED IN ACCORDANCE WITH ASCE/SEI 25. THE FLOOD RESISTANT FOUNDATION SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL AND CONSTRUCTED TO RESIST ALL FLOOD LOADS WITHOUT TRANSFERRING LOADS TO THE MODULAR STRUCTURE.	



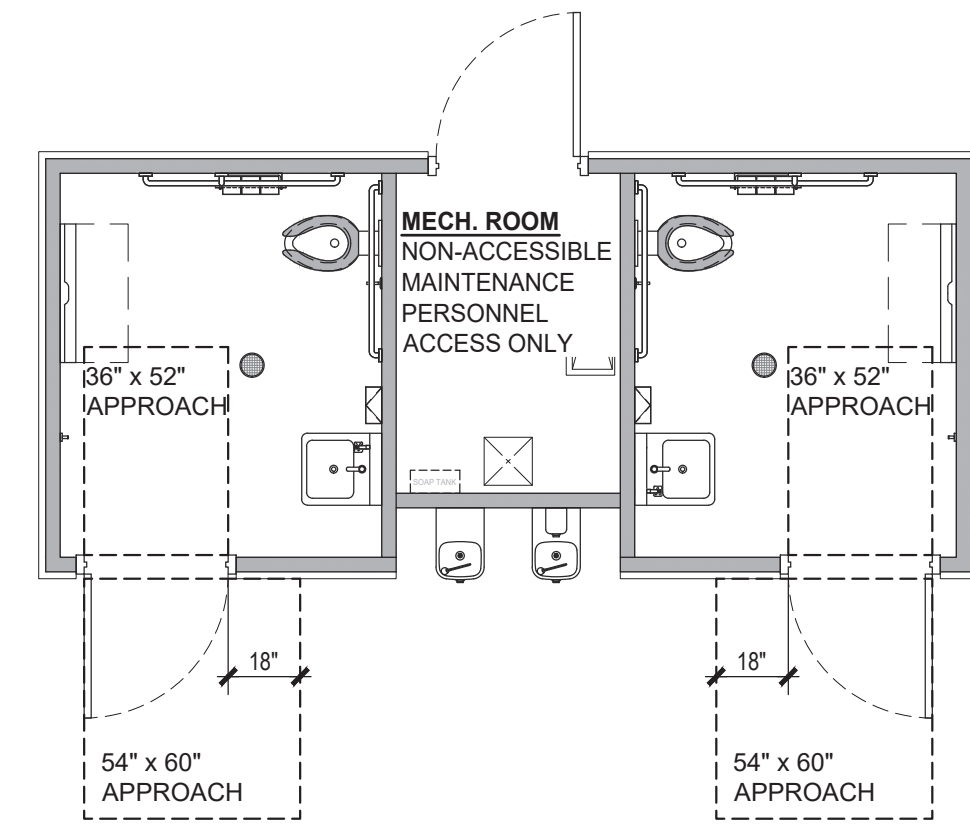
COMPONENTS & CLADDING WIND LOADS		
COMPONENT	END ZONE (psf)	INTERIOR ZONE (psf)
WINDOWS & SIDING	+17.3 / -23.2	+17.3 / -18.8
DOORS	+14.7 / -18.0	+14.7 / -16.2
ROOF CLADDING	+12.9 / -55.5	+12.9 / -32.0
ROOF OVERHANGS	-69.0	-51.4



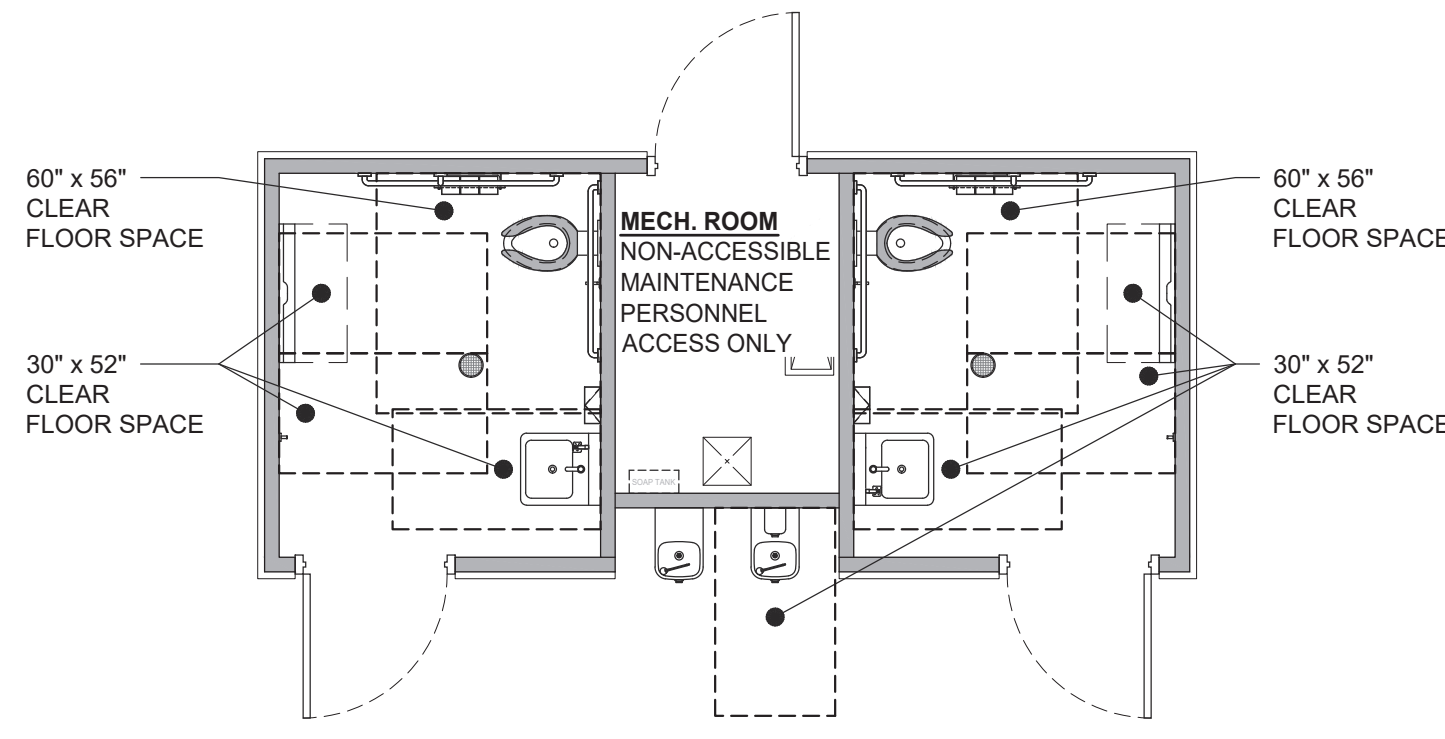
ICC NTA, LLC, 305 N Oakland Ave
 Nappanee, Indiana 46550
These documents are applicable only to the elements and loading criteria specifically mentioned herein. These documents are not to be construed as a way to specify, verify or design any aspects of the building not contained herein. Specific design criteria and load cases are information provided by the client and must be verified and approved by the local authority having jurisdiction. ICC NTA, LLC is not responsible for reproduction or further use of these documents without the written consent of ICC NTA, LLC at (574) 773-7975 to obtain a copy.

DO NOT SCALE - DIMENSIONS PRESIDE
 24x36 SHEET - SCALE AS NOTED
 11x17 SHEET - NTS

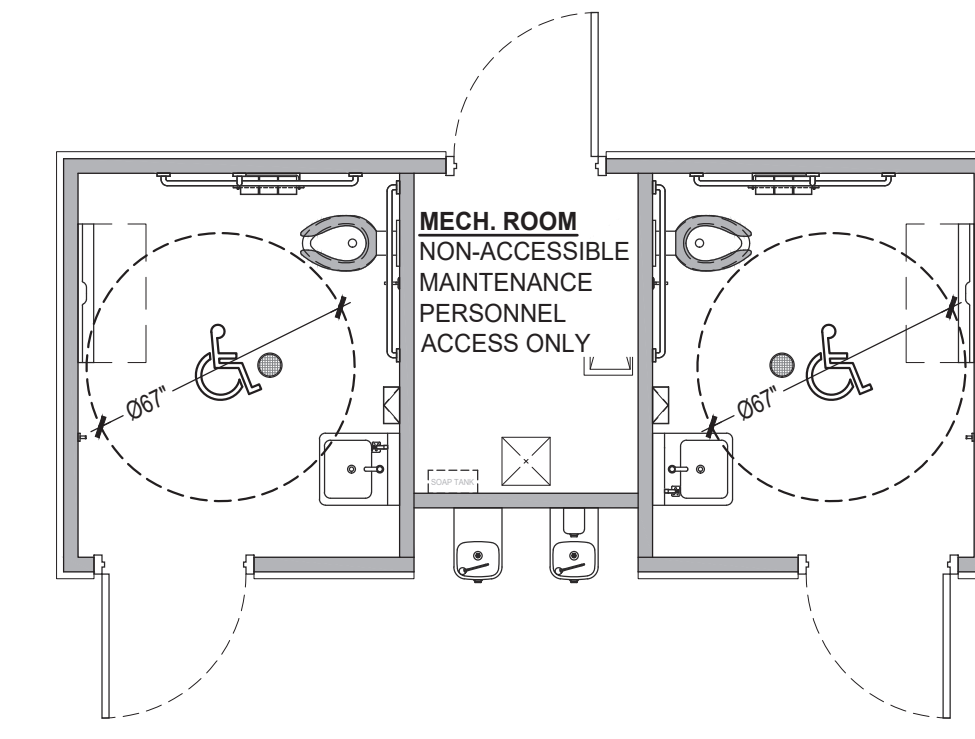
No.	Description	Date	CONSTRUCTION DOCUMENTS 11/22/2023	COPYRIGHT 2023, PUBLIC RESTROOM COMPANY THIS MATERIAL IS THE EXCLUSIVE PROPERTY OF PUBLIC RESTROOM COMPANY AND SHALL NOT BE REPRODUCED, USED, OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY THE WRITTEN PERMISSION OF PUBLIC RESTROOM COMPANY	PUBLIC RESTROOM COMPANY Building Better Places To Go. 2587 Business Parkway, Minden, NV 89423 Ph: 888-888-2060 Fax: 888-888-1448	PROJECT OWNER: ARKANSAS STATE PARKS Arkansas, AR	PROJECT NAME AND LOCATION: LAKE POINSETT STATE PARK Harrisburg, AR	SHEET TITLE: TITLE SHEET	Drawn by: PD Job No. 11662
									Checked by: AS / DC
									Current Date: 11/22/2023
									Start Date: 09/18/2023



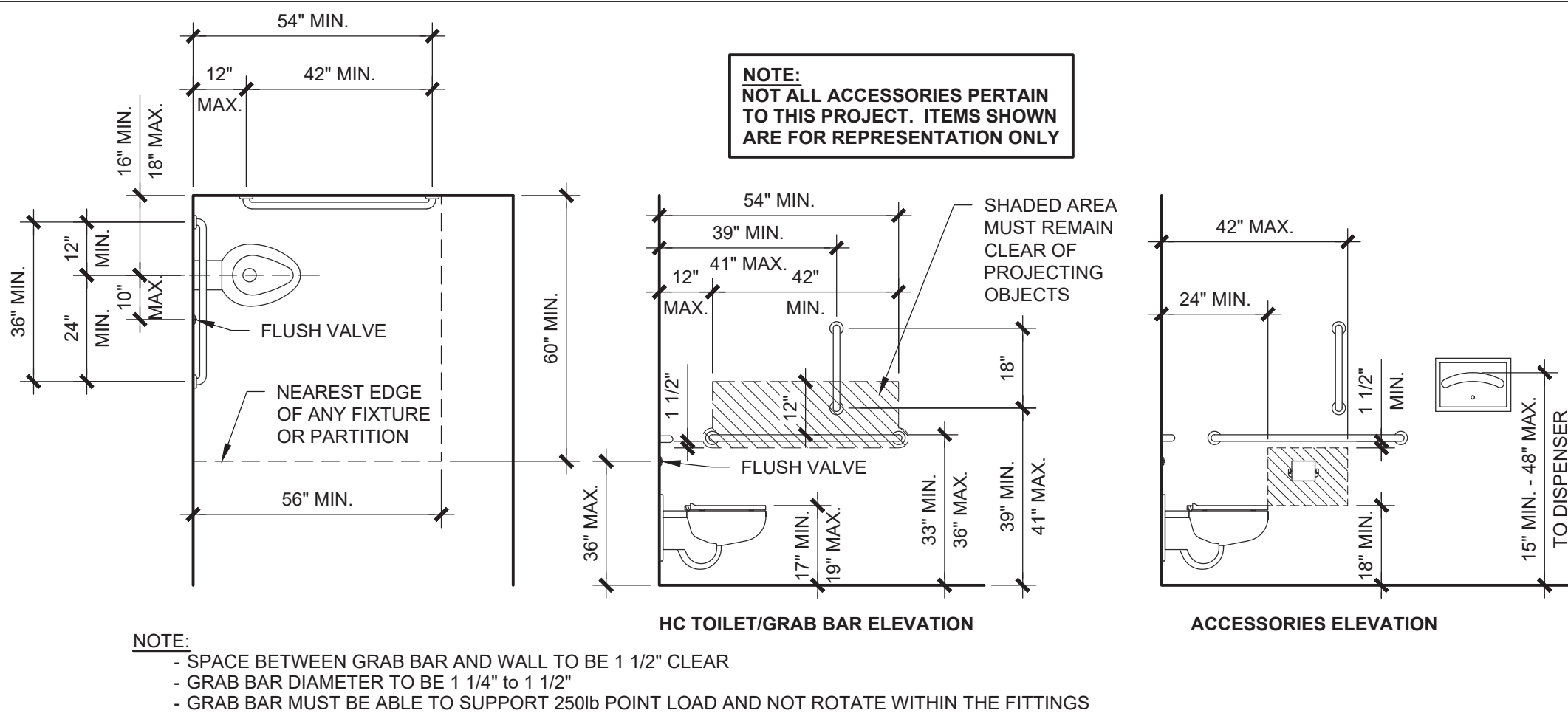
DOOR APPROACH
SCALE: 1/4"=1'-0"



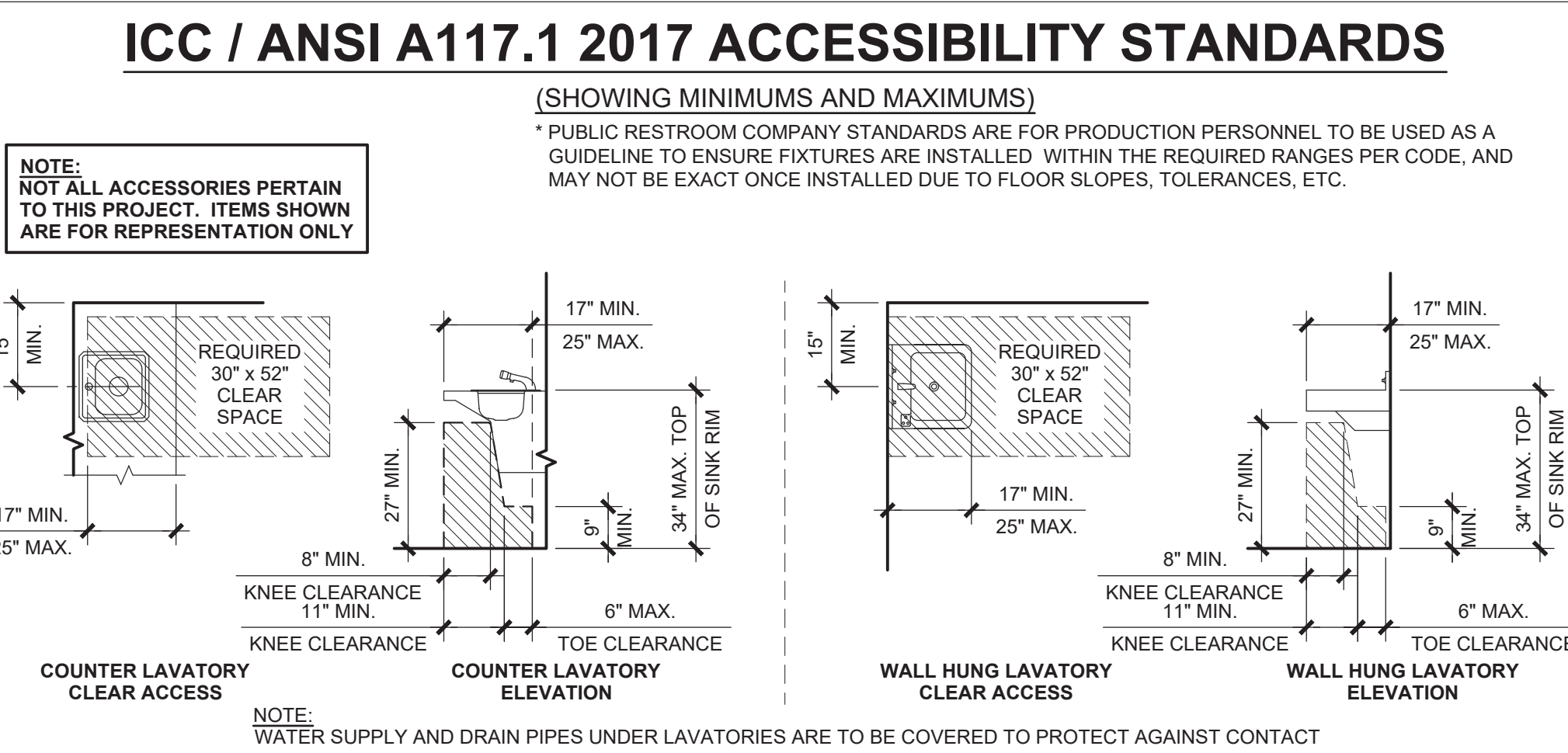
FIXTURE APPROACH
SCALE: 1/4"=1'-0"



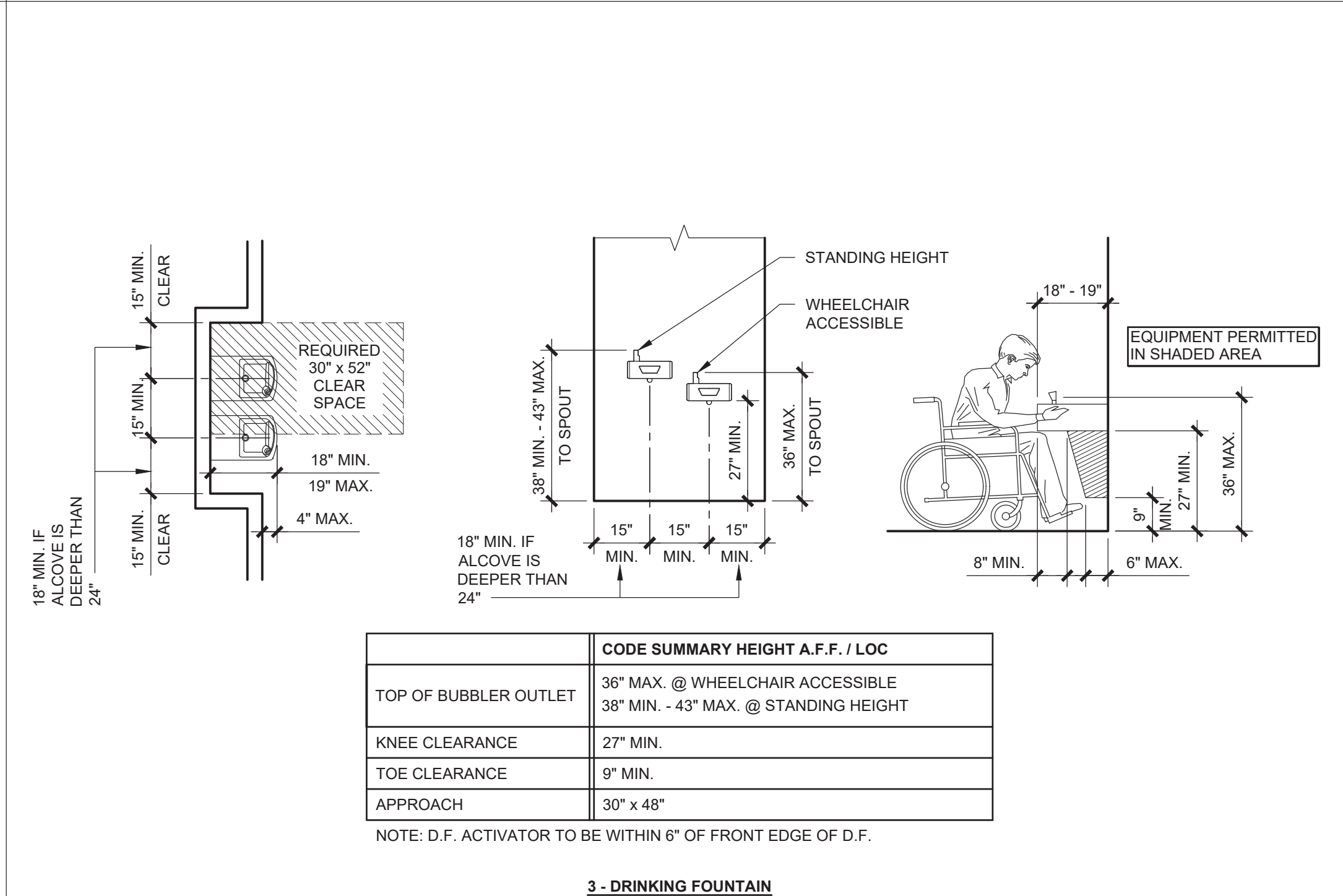
TURNING SPACE
SCALE: 1/4"=1'-0"



1 - TOILET DESIGN CRITERIA



2 - LAVATORY DESIGN CRITERIA



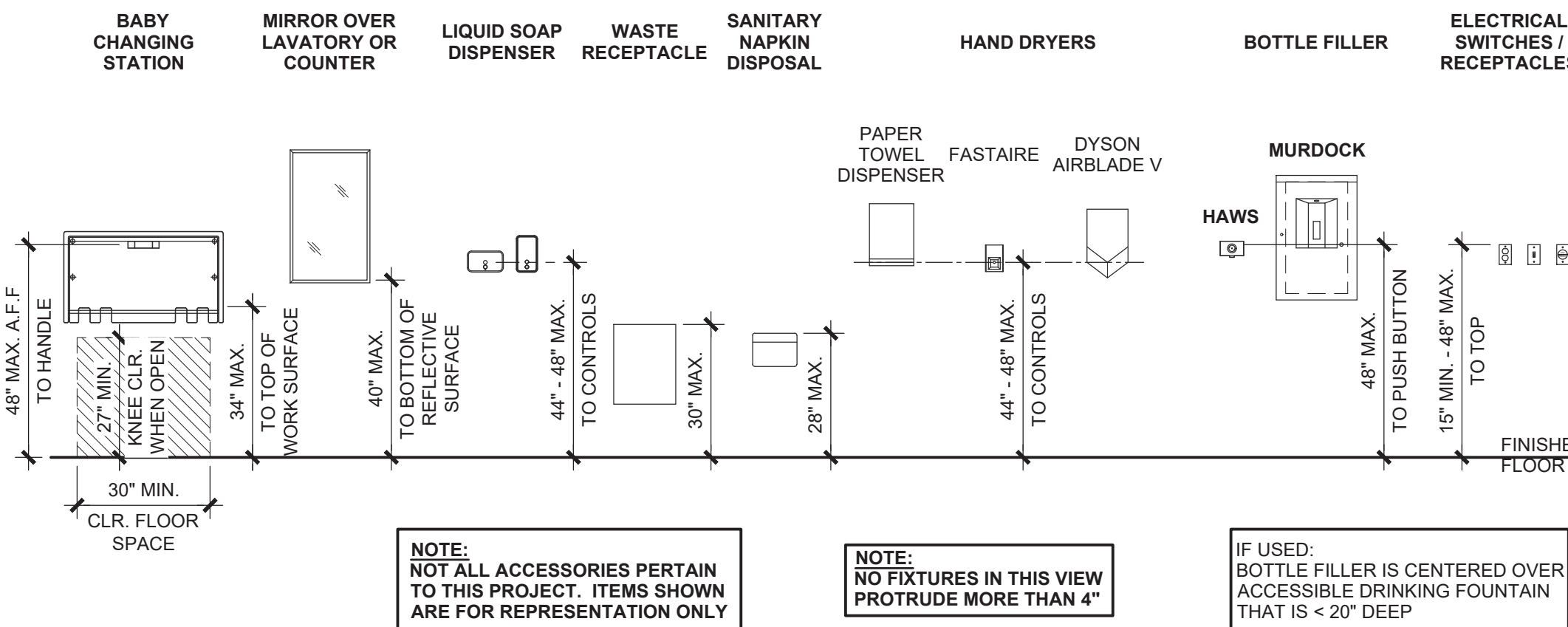
3 - DRINKING FOUNTAIN

	CODE SUMMARY HEIGHT A.F.F. / LOC	PUBLIC RESTROOM COMPANY STANDARDS*
GRAB BARS	33" MIN. / 36" MAX. TO TOP	34" TO TOP
TOILET LOCATION	16" MIN. / 18" MAX. TO CENTERLINE	17 1/2" TO CENTERLINE
TOILET/SEAT	17" MIN. / 19" MAX.	18" TO TOP OF SEATING SURFACE
TOILET FLUSH VALVE	40" MAX., 10" TO WIDE SIDE	CENTERLINES TO BE 28" AFF AND 10" FROM CENTER OF WC
SURFACE MOUNTED TOILET PAPER DISPENSER	HEIGHT OF DISPENSER OUTLET TO BE 18" MIN. A.F.F. & 1 1/2" MIN. FROM BOTTOM OF GRAB BAR. OUTLET TO BE LOCATED WITHIN AN AREA 24" MIN. - 42" MAX. FROM REAR WALL	8" FROM FRONT OF WATER CLOSET TO CENTER OF DISPENSER & 30" TO TOP OF FIXTURE

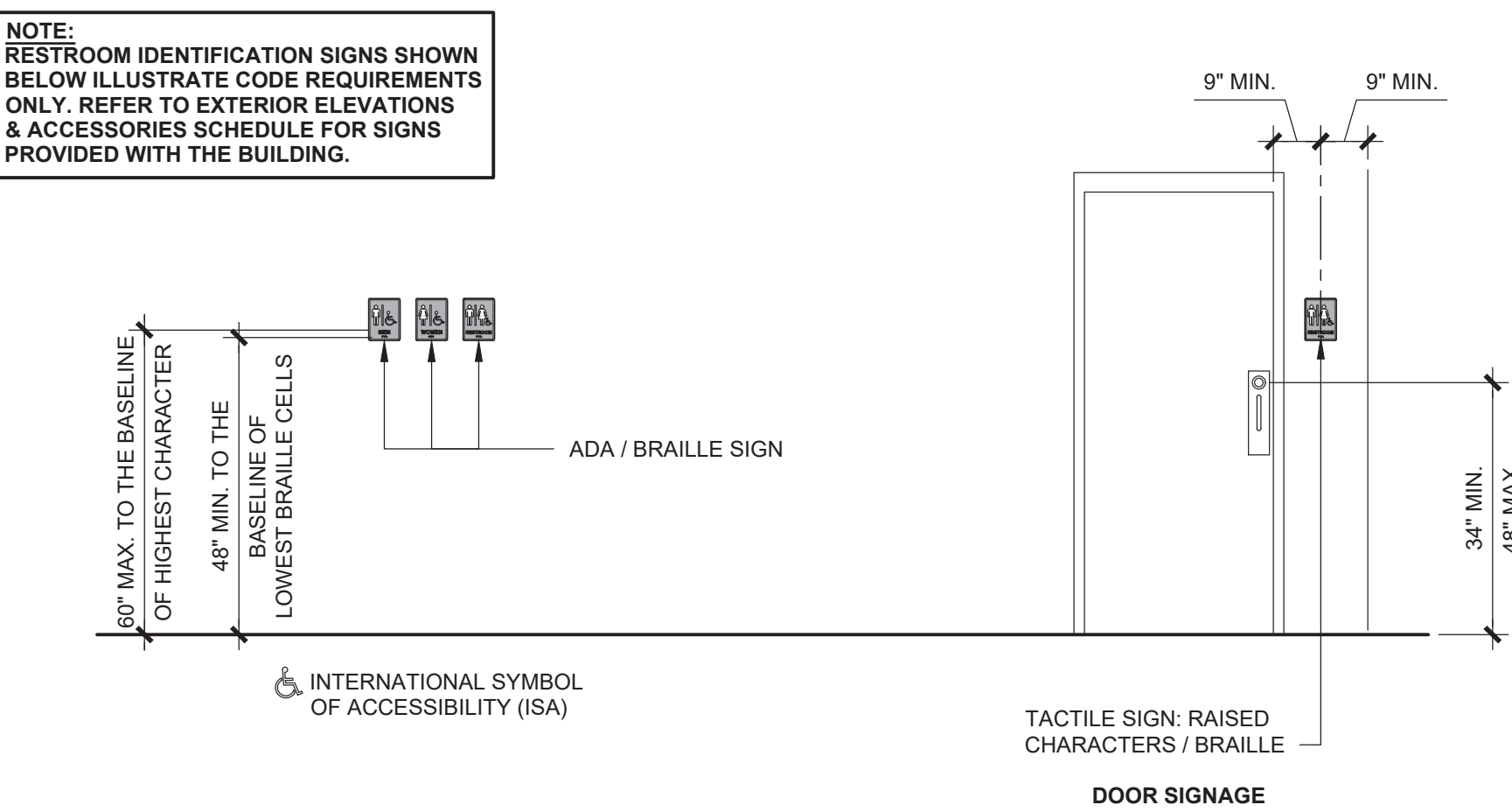
	CODE SUMMARY HEIGHT A.F.F. / LOC	PUBLIC RESTROOM COMPANY STANDARDS*
RIM HEIGHT (TOP OF LAV.)	34" MAX.	33" PREFERRED BUT MUST HAVE 27" KNEE SPACE MIN.
HEIGHT OF KNEE SPACE	27" MIN. AT FRONT APRON	PER CODE
FRONT LAV TO TRAP	27" MIN. AT 8" IN FROM FRONT	PER CODE
TOE SPACE UNDER TRAP	9" MIN.	PER CODE
CONTROLS	DECK MOUNT AT 34" MAX.	33" PREFERRED
CLEAR SPACE	30" x 48"	PER CODE

	CODE SUMMARY HEIGHT A.F.F. / LOC
TOP OF BUBBLER OUTLET	36" MAX. @ WHEELCHAIR ACCESSIBLE 38" MIN. - 43" MAX. @ STANDING HEIGHT
KNEE CLEARANCE	27" MIN.
TOE CLEARANCE	9" MIN.
APPROACH	30" x 48"

NOTE: D.F. ACTIVATOR TO BE WITHIN 6" OF FRONT EDGE OF D.F.



4 - MOUNTING HEIGHTS



5 - RESTROOM SIGNS AT DOORS AND GATES

No.	Description	Date

CONSTRUCTION DOCUMENTS
11/22/2023

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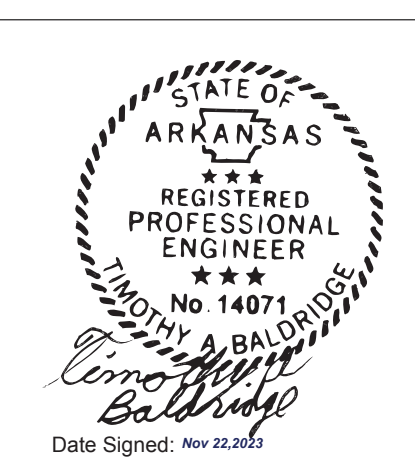
PROJECT OWNER:
ARKANSAS STATE PARKS
Arkansas, AR

PROJECT NAME AND LOCATION:
LAKE POINSETT STATE PARK
Harrisburg, AR

SHEET TITLE:
ACCESSIBILITY COMPLIANCE

Drawn by: **PD** Job No. **11662**
Checked by: **AS / DC**
Current Date: **11/22/2023**
Start Date: **09/18/2023**

AC



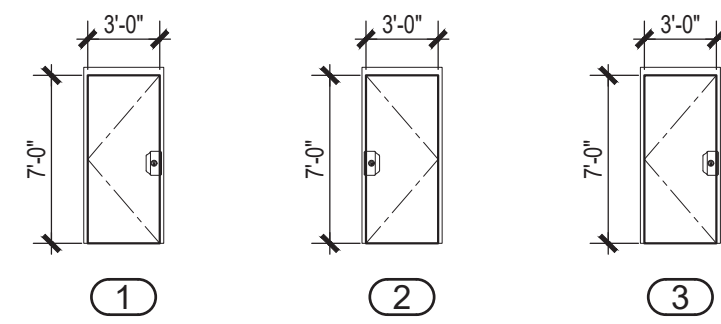
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DO NOT SCALE - DIMENSIONS PRESIDE
3/8\"/>

DOOR SCHEDULE

NO.	ROOM NAME	SIZE	1 DOOR TYPE	2 FRAME TYPE	3 HINGE	4 LOCK	5.a CLOSER	5.b PULL PLATE OUTSIDE	5.b PUSH PLATE INSIDE	5.c THRESH	5.d SWEEP	6 OTHER
1	ACCESSIBLE UNISEX RR-1	3'-0" x 7'-0"	1.a	2.a	3.a	4.a.1	YES	YES	YES	YES	NO	-
2	ACCESSIBLE UNISEX RR-2	3'-0" x 7'-0"	1.a	2.a	3.a	4.a.1	YES	YES	YES	YES	NO	-
3	MECH. ROOM	3'-0" x 7'-0"	1.a	2.a	3.a	4.a.1	NO	YES	YES	YES	YES	6.a

SPECS:

- DOOR TYPE:
 - 14 GA. GALVANIZED HOLLOW METAL
- FRAME TYPE:
 - 4 3/4" WIDE 14 GA. GALVANIZED HOLLOW METAL (WELDED)
- HINGE:
 - PEMKO KCFM-83" HD (OR EQ.) CONTINUOUS GEAR HINGE WITH STAINLESS STEEL VANDAL RESISTANT SCREWS.
- LOCK:
 - DEADBOLT: SCHLAGE B600 SERIES (626 FINISH) WITH TEMPORARY CONSTRUCTION FULL SIZE INTERCHANGEABLE CORE (FSIC)
 - B660 - KEY EXT. SIDE & INT. ADA THUMB TURN LOCKS & UNLOCKS
- HARDWARE:
 - CLOSER: LCN 4211 (CUSH ARM)
 - PUSH / PULL PLATES: ROCKWOOD VRT24C x 91CFC US32DMS WITH BLACK COOL COATING HANDLE
 - THRESHOLD: PEMKO 270A (OR EQ.)
 - SWEEP: NGP 200NA36 (OR EQ.)
- OTHER:
 - CHECK CHAIN: IVES CS115-25 (OR EQ.)



NOTE:
DIMENSIONS ARE FOR DOORS ONLY, FRAMES ARE NOT INCLUDED.

C.M.U. SHEAR WALL SCHEDULE

MARK	BLOCK	REINFORCEMENT	CAP BEAM
A	4 x 8 x 16 FULLY GROUTED	HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX.	HSS 6 x 4 x 1/8

GENERAL SHEET NOTES:

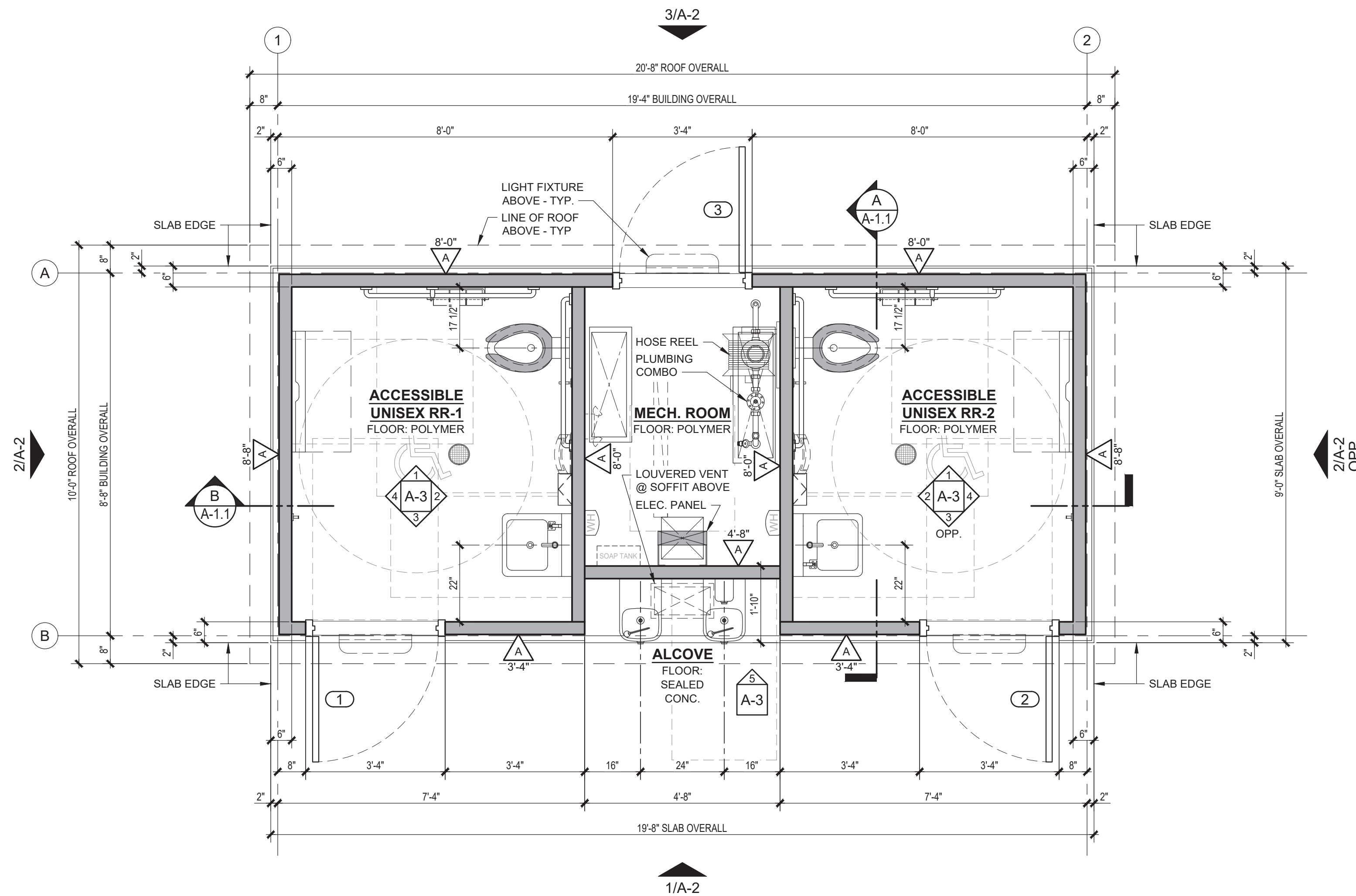
- LOCATION OF ALL PLUMBING & ELECTRICAL COMPONENTS IN THE MECHANICAL ROOM ARE SUBJECT TO CHANGE, FINAL LOCATIONS TBD.

WALL LEGEND:

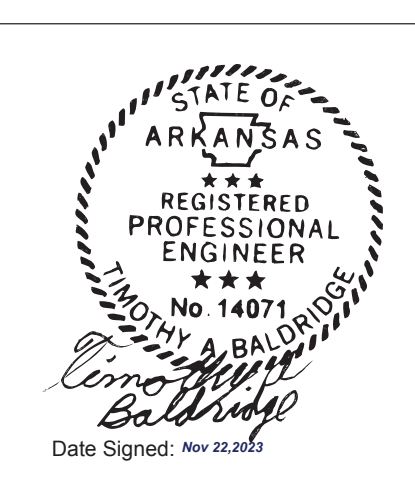
4" C.M.U. - PRECISION

STRUCTURAL DESIGN

COMPONENT	DESCRIPTION	SPECIFIC MATERIAL LIST	NOTES
SLAB			
PERIMETER FRAMEWORK	STRUCTURAL STEEL	L 6"x6"x5/16"	
REINFORCEMENT	REBAR MAT DESIGN	#4 MIN. GRADE 60 TOP: 8" O.C. EACH WAY - BOT: 16" O.C. EACH WAY	
CONCRETE	8" MAT DESIGN	DESIGN BASIS IS MIN. 2500 PSI	NOTE #1
REBAR CONNECTION TO CONCRETE SLAB	STARTER BARS CONNECTION TO CONCRETE SLAB SHALL BE WITH 2 PART EPOXY w/ 5" MIN. EMBED DEPTH	RED HEAD A7+ EPOXY (OR EQUAL)	USE OF ADHESIVE ANCHORAGE SYSTEM BY PROVISIONS OF CODE REPORT ESR-3903 AND MANUFACTURER RECOMMENDATIONS
WALLS			
FRAMING (EXT.)			
TO CAP BEAM	C.M.U. BLOCK	4 x 8 x 16 CONCRETE BLOCK. GROUT EVERY CELL w/ TYPE 'S' FINE GROUT. REINFORCING: HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX.	USE TYPE 'S' FINE GROUT w/ A SLUMP OF 10"-11" FOR A "HIGH LIFT" GROUT POUR. GROUT POUR HEIGHT NOT TO EXCEED 12'-8"
CAP BEAM	STEEL	HSS 6 x 4 x 1/8 (A1085 / A 500 Grade B)	
ABOVE CAP BEAM	WOOD	2x3 DF#2 OR BETTER STUDS @ 24" O.C.	
FRAMING (INT.)			
TO CAP BEAM	C.M.U. BLOCK	4 x 8 x 16 CONCRETE BLOCK. GROUT EVERY CELL w/ TYPE 'S' FINE GROUT. REINFORCING: HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX.	USE TYPE 'S' FINE GROUT w/ A SLUMP OF 10"-11" FOR A "HIGH LIFT" GROUT POUR. GROUT POUR HEIGHT NOT TO EXCEED 12'-8"
CAP BEAM	STEEL	HSS 6 x 4 x 1/8 (A1085 / A 500 Grade B)	
ABOVE CAP BEAM	WOOD	2x3 DF#2 OR BETTER STUDS @ 24" O.C.	
SHEATHING (ABOVE CAP BEAM)			
ALL FRAMED WALLS (EXT.)	WOOD	7/16" SHEATHING BOTH SIDES	NOTE #2
ALL FRAMED WALLS (INT.)	WOOD	7/16" SHEATHING BOTH SIDES	NOTE #2
ROOF			
RAFTERS & LOOKOUTS	WOOD	2x6 DF#2 OR BETTER @ 24" O.C.	
SHEATHING	WOOD	5/8" SHEATHING BOTH SIDES	
FASCIA	WOOD	2x6 DF#2 OR BETTER WRAPPED w/ 16 GA. FORMED STEEL	
NOTES:			
1. INTEGRAL ADDITIVES FOR MOISTURE, STAINING & CORROSION RESISTANCE.			
2. PAINT WALL SHEATHING FOR MOISTURE PROTECTION (STORAGE / MECHANICAL ROOM SIDE)			



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



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DO NOT SCALE - DIMENSIONS PRESIDE
24x36 SHEET - SCALE AS NOTED
11x17 SHEET - NTS

No.	Description	Date

CONSTRUCTION DOCUMENTS
11/22/2023

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ARKANSAS STATE PARKS
Arkansas, AR

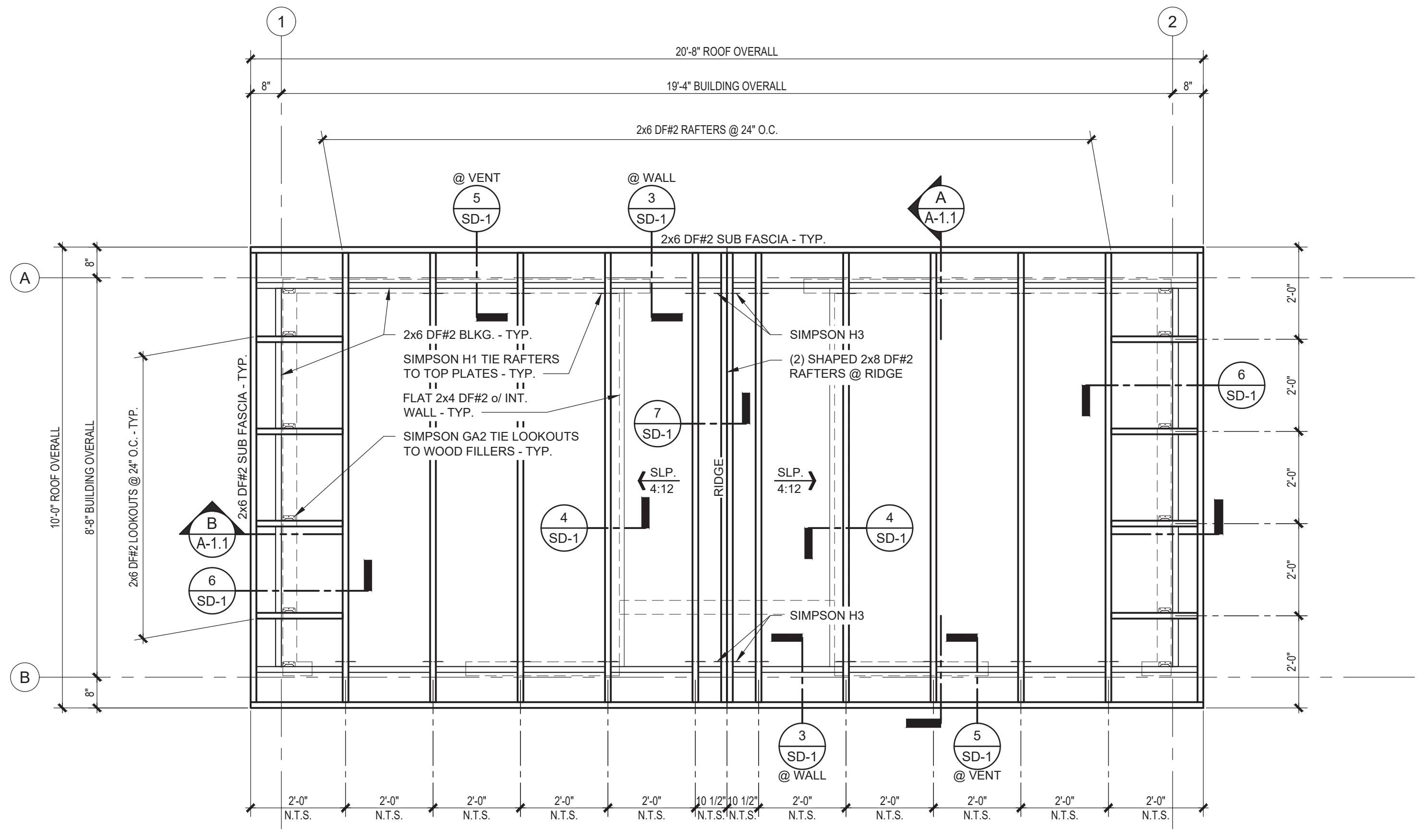
PROJECT NAME AND LOCATION:
LAKE POINSETT STATE PARK
Harrisburg, AR

SHEET TITLE:
FLOOR PLAN, STRUCTURAL DESIGN & SCHEDULES

Drawn by: **PD** Job No. **11662**
Checked by: **AS / DC**
Current Date: **11/22/2023**
Start Date: **09/18/2023**

A-1

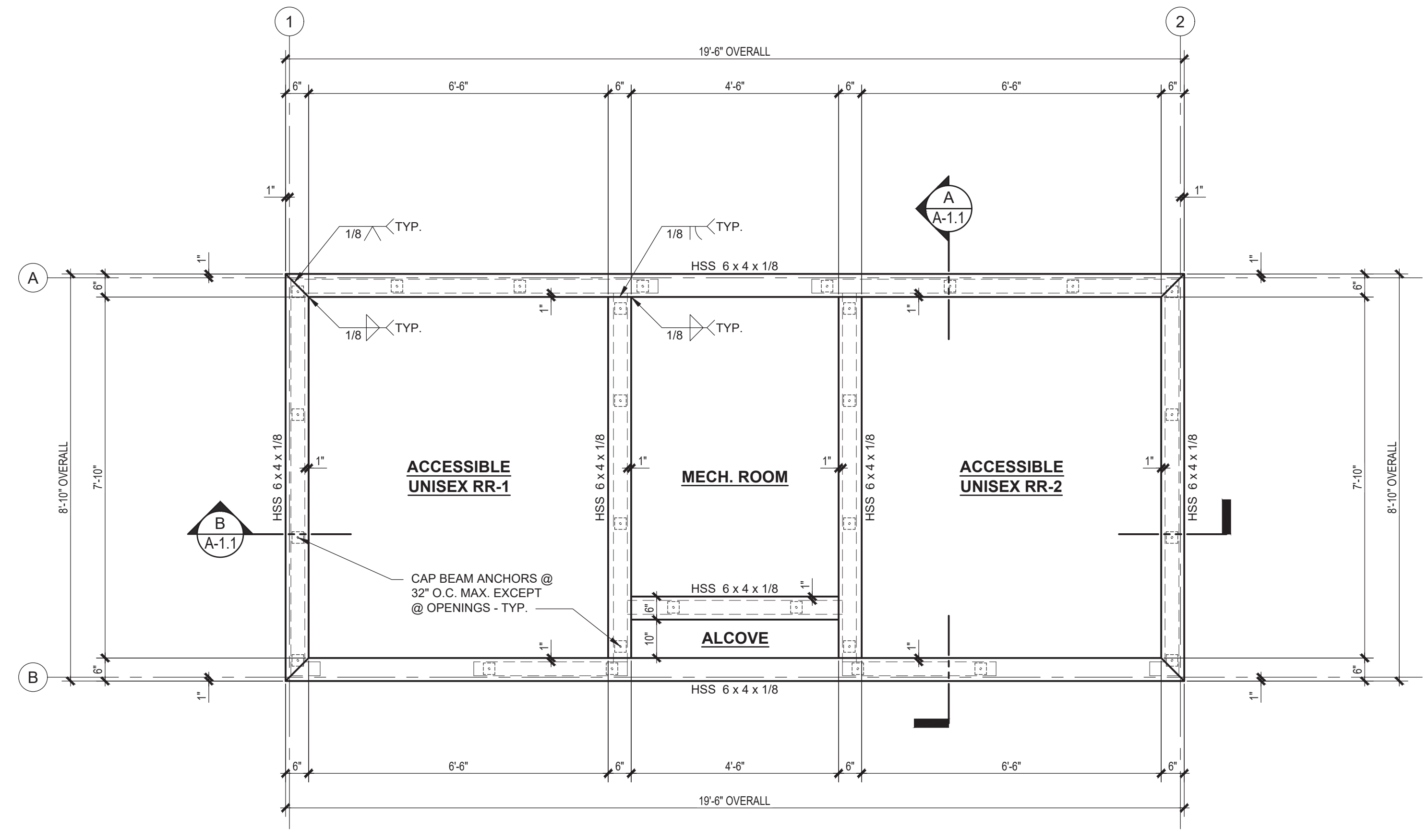




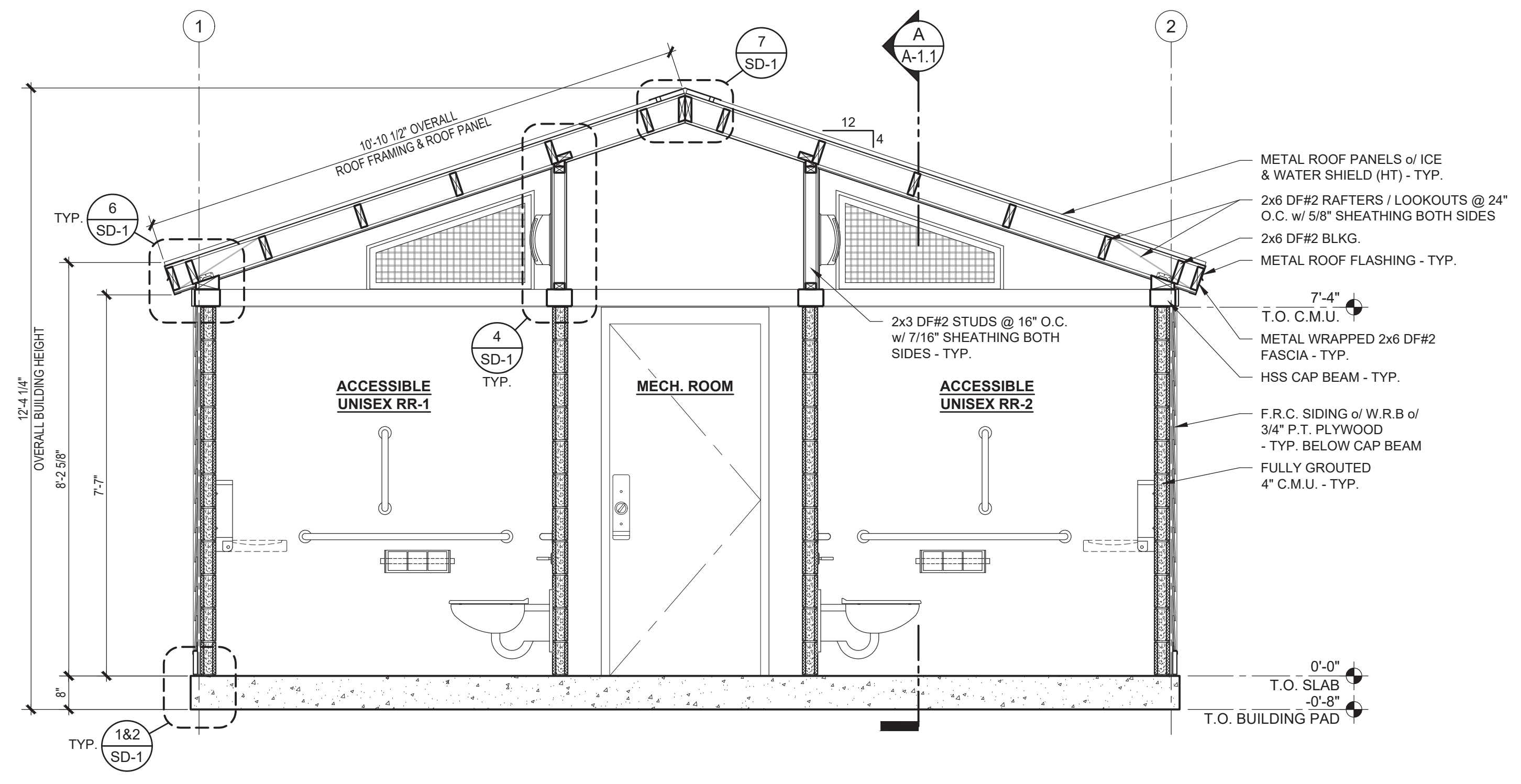
2 ROOF FRAMING PLAN
SCALE: 1/2"=1'-0"

CAP BEAM NOTES:
1. ALL STEEL INTERSECTIONS ARE TO BE WELDED w/ 1/8" CONTINUOUS WELD.
2. CAP BEAM ANCHORS NOT TO EXCEED 32" O.C. SPACING EXCEPT @ OPENINGS.

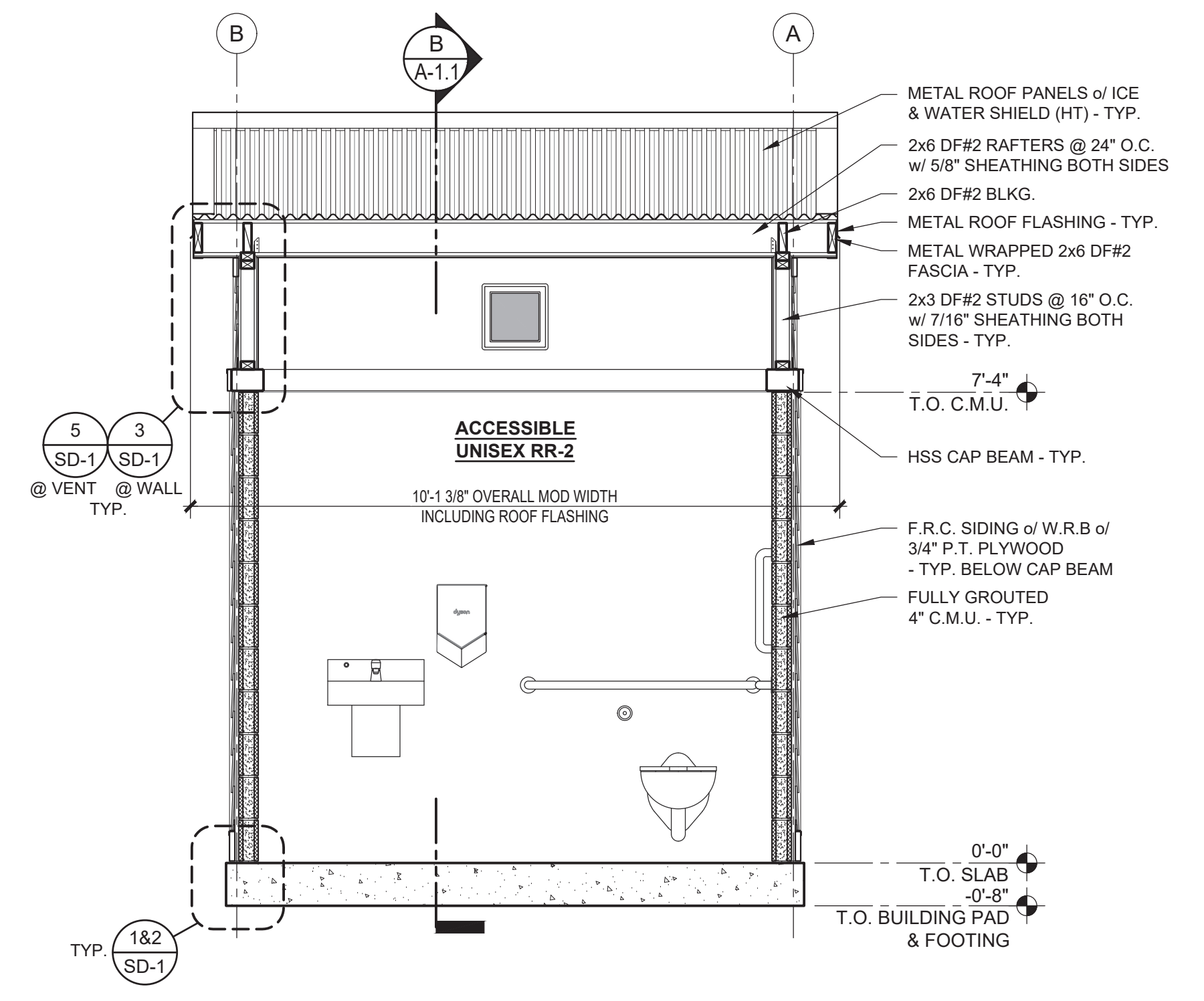
GENERAL SHEET NOTES:
1. SD SHEETS REFERENCED HEREIN CONTAIN PROPRIETARY INFORMATION AND THEREFORE ARE NOT AN INTEGRAL PART OF THE PLANS. SD SHEETS SHALL BE UTILIZED FOR ENGINEERING PURPOSES AND INTERNAL USE ONLY.
2. SEE SHEET SD-1 FOR FASTENING SCHEDULE.



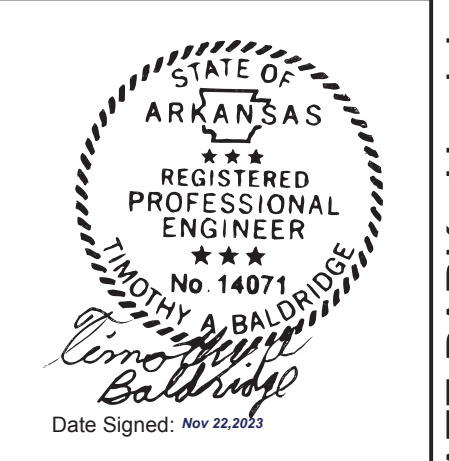
1 TOP OF WALL CAP BEAM PLAN
SCALE: 1/2"=1'-0"



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



A BUILDING SECTION
SCALE: 1/2"=1'-0"



ICC NTA, LLC, 305 N Oakland Ave
Naperville, Indiana 45500
Date Signed: Nov 22, 2023

No.	Description	Date

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PUBLIC RESTROOM COMPANY
Building Better Places To Go.
2587 Business Pkwy, Minden, NV 89423
Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER: **ARKANSAS STATE PARKS**
Arkansas, AR

PROJECT NAME AND LOCATION: **LAKE POINSETT STATE PARK**
Harrisburg, AR

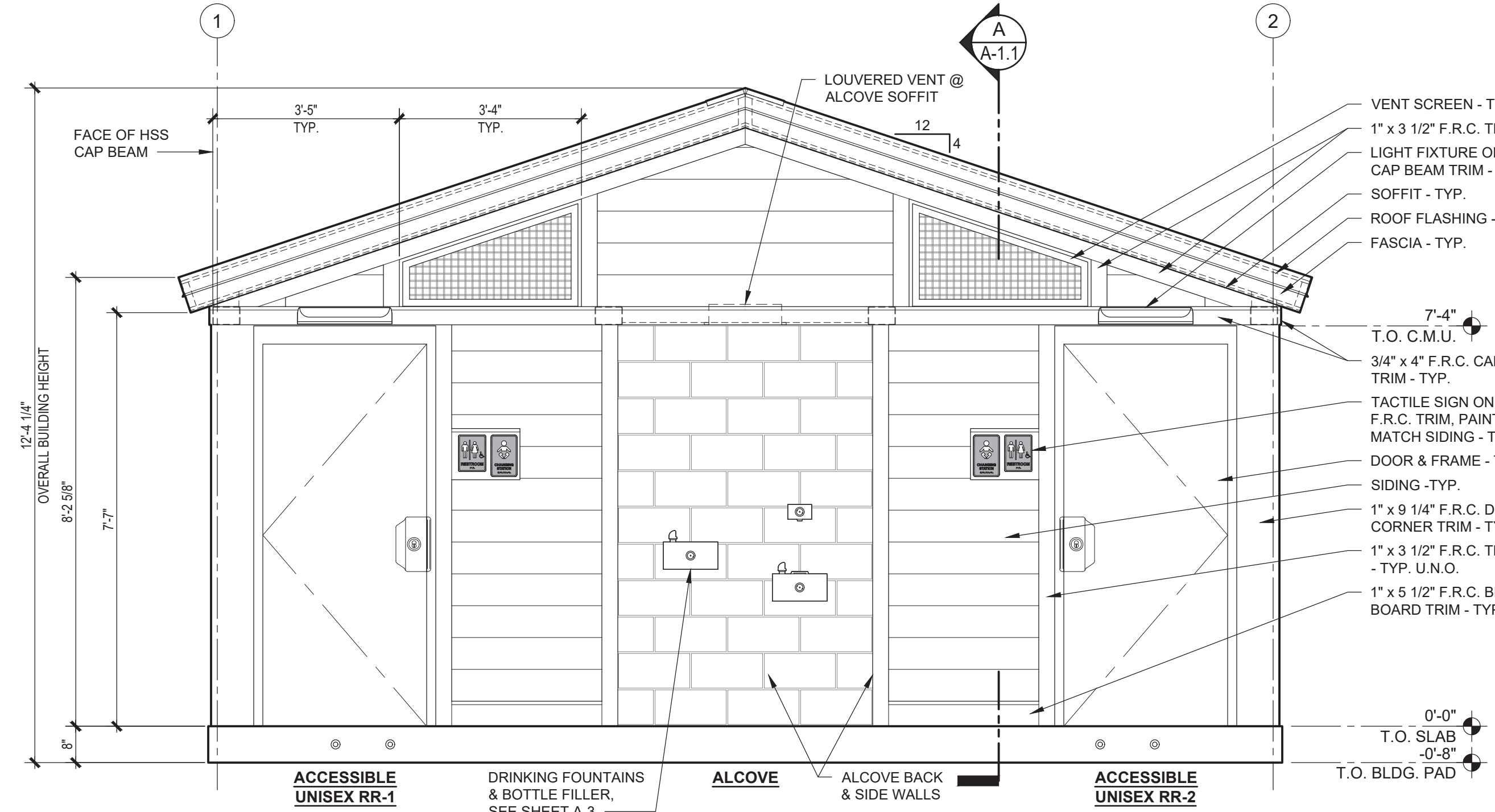
SHEET TITLE: **TOP OF WALL CAP BEAM & ROOF FRAMING PLAN, BUILDING SECTIONS**

Drawn by: **PD** Job No. **11662**
Checked by: **AS / DC**
Current Date: **11/22/2023**
Start Date: **09/18/2023**

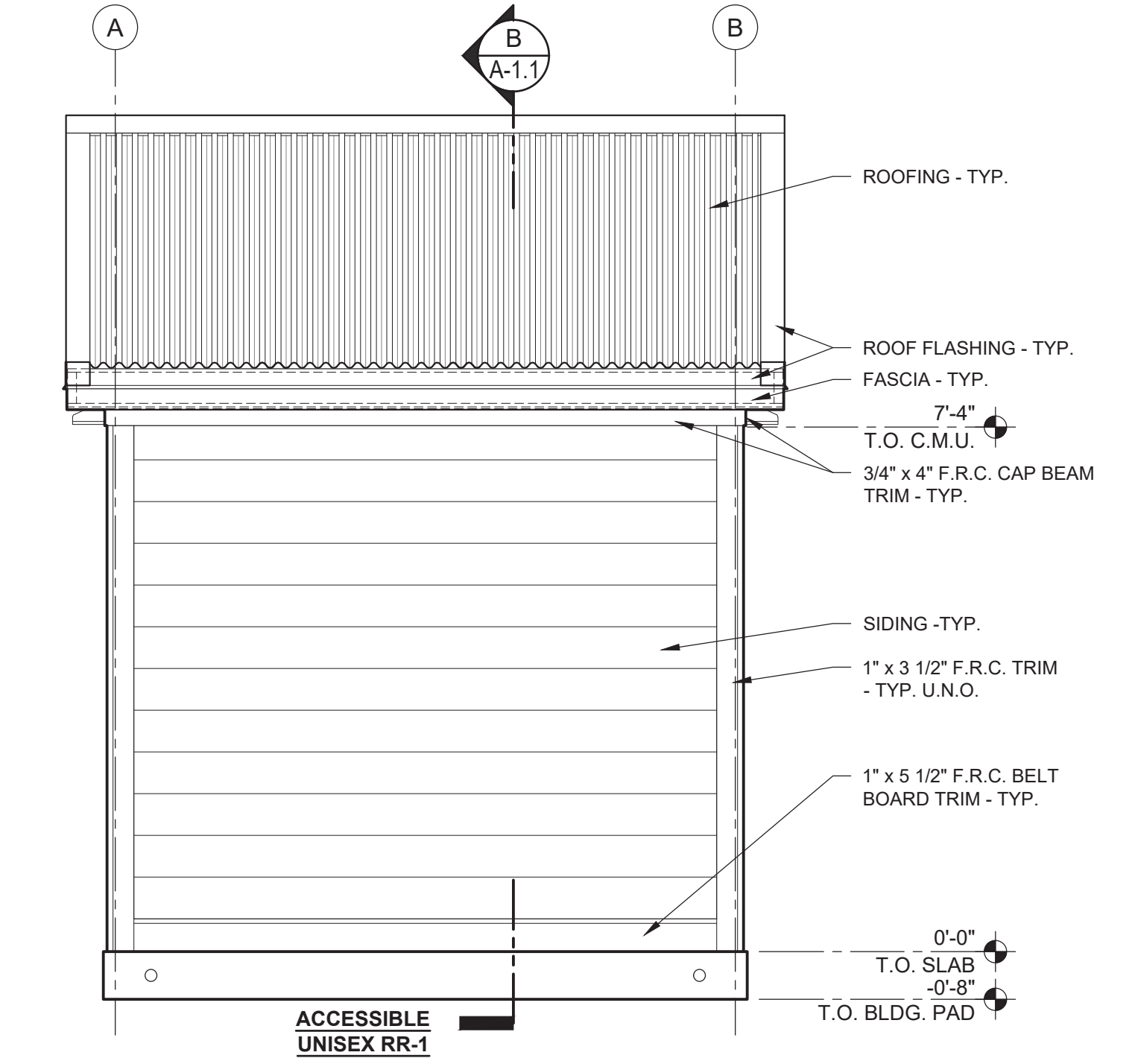
A-1.1

EXTERIOR FINISH SCHEDULE

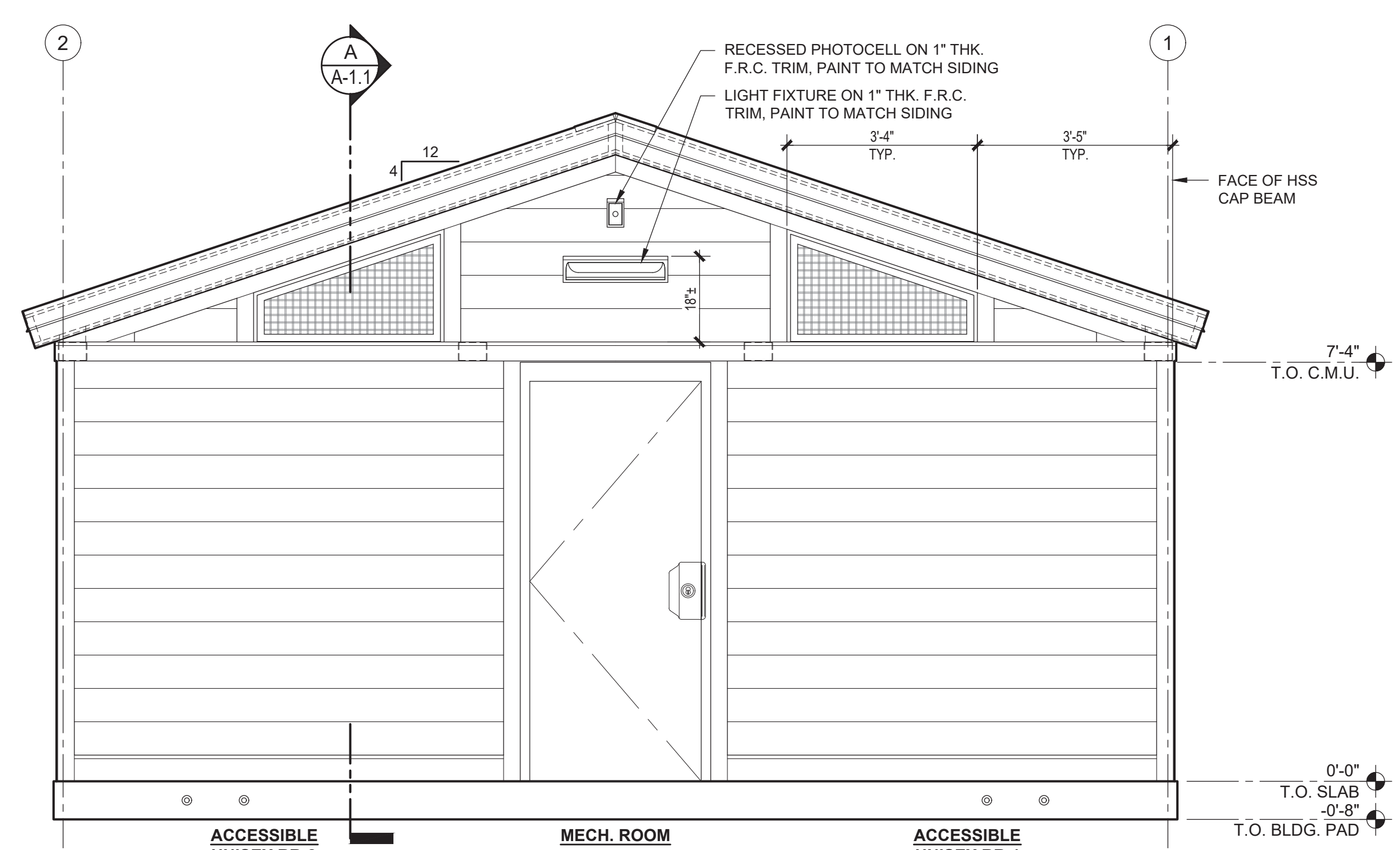
TYPE	DESCRIPTION	FINISH	BRAND / COLOR	NOTES	TYPE	DESCRIPTION	FINISH	BRAND / COLOR	NOTES
WALLS					ROOF				
ALCOVE BACK & SIDE WALLS	C.M.U. - PRECISION	PAINTED	PITTSBURGH PITT-TECH / MATCH SW2036 - PELICAN TAN	2 COATS BLOCK FILLER, 2 COATS FINISH / SEMI-GLOSS	ROOFING	24 GA. CORRUGATED METAL ROOF PANELS	PREFINISHED	METAL SALES - 7/8" CORRUGATED / FELT GREEN (W66)	OVER ICE & WATER SHIELD HT
SIDING	F.R.C. LAP SIDING - 7" EXPOSURE - CEDARMILL PATTERN	PAINTED	PITTSBURGH PITT-TECH / MATCH SW2036 - PELICAN TAN	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS	ROOF FLASHINGS	24 GA. METAL	PREFINISHED	METAL SALES - 7/8" CORRUGATED / MATCH ROOFING COLOR	-
TRIM	SIZE PER PLAN F.R.C. TRIM BOARDS - WOOD GRAIN PATTERN				FASCIA	16 GA. METAL	PAINTED	PITTSBURGH PITT-TECH / MATCH SW7750 - OLYMPIC RANGE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
VENT SCREENS	FRAME - 3/4" x 5 1/2" F.R.C. TRIM BOARDS - WOOD GRAIN PATTERN				SOFFITS INCLUDING ALCOVE	F.R.C. PANEL SIDING - TEXTURED PATTERN	PAINTED	PITTSBURGH PITT-TECH / MATCH SW2036 - PELICAN TAN	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
	FRAME - 1 1/2" x 1 1/2" x 1/8" STEEL ANGLE BAR	NATURAL	-	-	DOORS & FRAMES				
	WIRE MESH - 1" x 1" x 3/16" STAINLESS STEEL				ALL DOORS & FRAMES	HOLLOW METAL	PAINTED	PITTSBURGH PITT-TECH / MATCH SW7750 - OLYMPIC RANGE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
					OTHER				
					MISC. FLASHINGS	GALV. METAL OVER HORIZONTAL F.R.C. TRIM BOARDS	PAINTED	PITTSBURGH PITT-TECH / MATCH ADJACENT COLOR	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
					LOUVERED VENT	16" x 8" WITH O.B. DAMPER	ALUMINUM	SUNVENT #157FL / NATURAL	AT ALCOVE SOFFIT



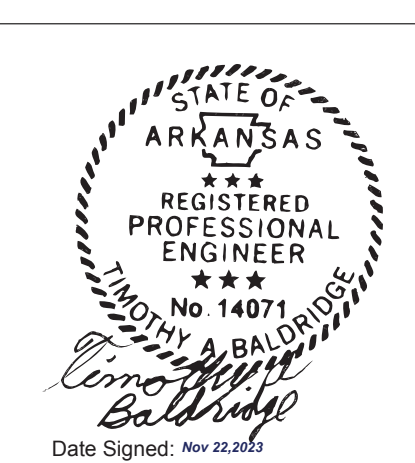
1 EXTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



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



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



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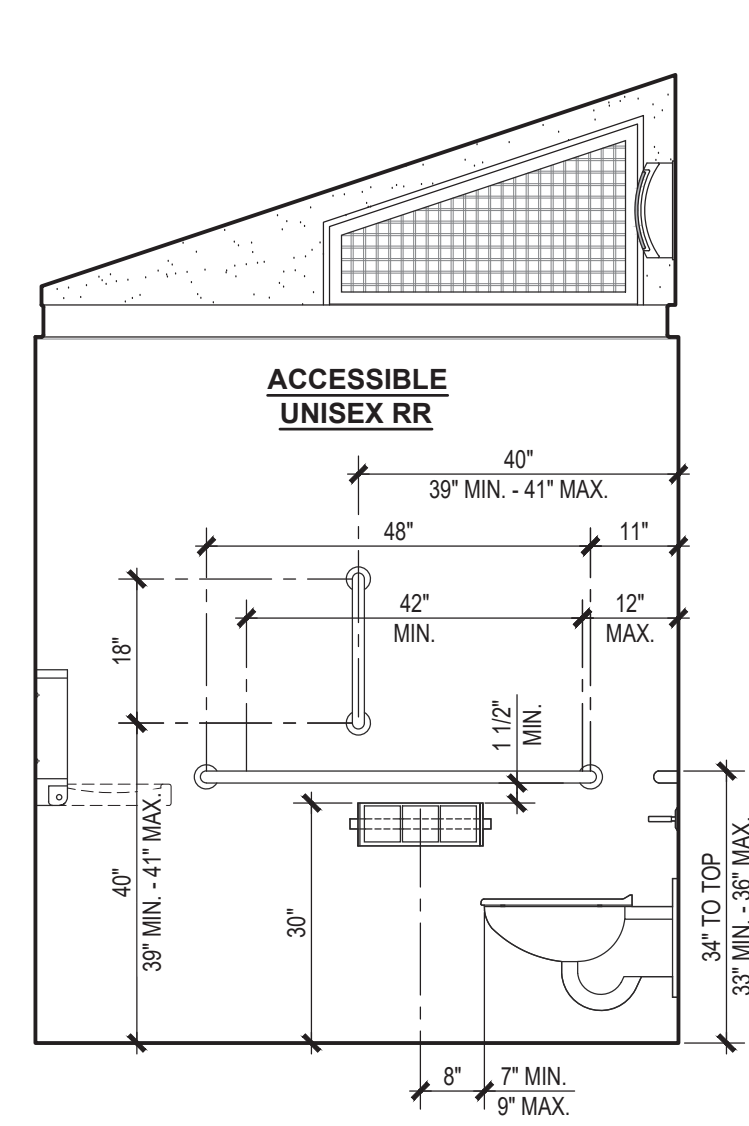
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						ARKANSAS STATE PARKS Arkansas, AR	LAKE POINSETT STATE PARK Harrisburg, AR	EXTERIOR ELEVATIONS & FINISH SCHEDULE	AS / DC	11662	
									Current Date:	11/22/2023	A-2
									Start Date:	09/18/2023	

RESTROOM ACCESSORIES & SPECIALTIES
MOUNT WITH VANDAL RESISTANT SS SCREWS

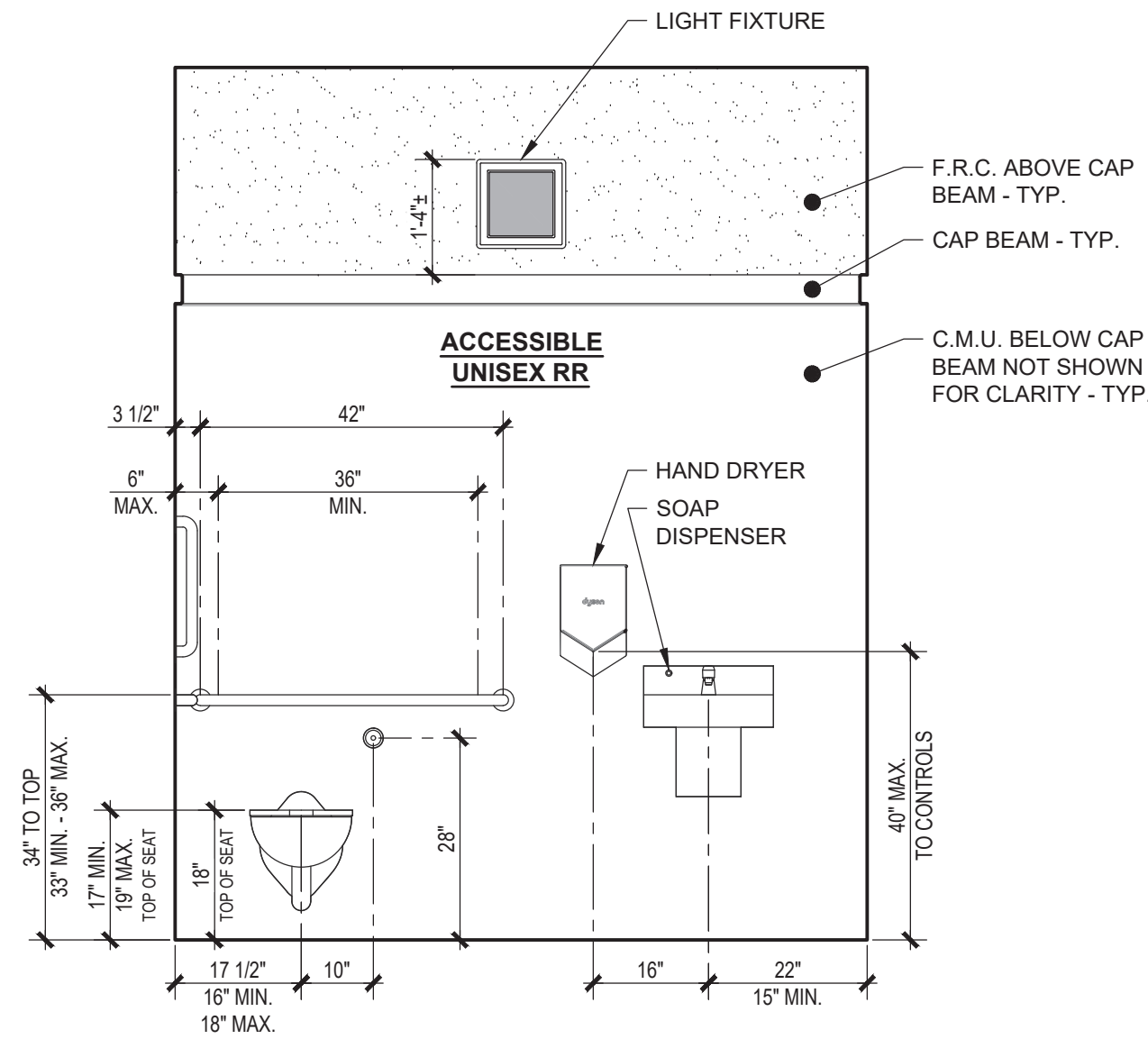
ACCESSORIES	QTY	SIZE / STYLE	MANUF. / ITEM #	PRC#	FINISH / COLOR / STYLE	NOTES
GRAB BAR	2	18"	BOBRICK B-6806-18 (OR EQ.)	H1115	STAINLESS STEEL	MOUNT 40" A.F.F. TO BOTTOM & CENTER (39" MIN. - 41" MAX.)
GRAB BAR	2	42"	BOBRICK B-6806-42 (OR EQ.)	H1118	STAINLESS STEEL	MOUNT 34" A.F.F. TO TOP (33" MIN. - 36" MAX.)
GRAB BAR	2	48"	BOBRICK B-6806-48 (OR EQ.)	H1119	STAINLESS STEEL	MOUNT 34" A.F.F. TO TOP (33" MIN. - 36" MAX.)
TOILET PAPER HOLDER	2	VANDAL RESISTANT 3-ROLL	ROYCE ROLLS TP-3	H1152	STAINLESS STEEL	MOUNT 30" A.F.F. TO TOP
BABY CHANGING STATION	2	SURFACE MOUNTED	FOUNDATIONS 5410339	H1110	STAINLESS STEEL / POLY	MOUNT 34" MAX. A.F.F. TO TOP OF WORK SURFACE
HAND DRYER	2	SURFACE MOUNTED	DYSON AIRBLADE V	L1417	SPRAYED NICKEL	MOUNT 40" MAX. A.F.F. TO CONTROLS
UTILITY HOOK	2	SURFACE MOUNTED	BOBRICK B-670 (OR EQ.)	H1143	STAINLESS STEEL	MOUNT 48" MAX. A.F.F. TO TOP OF HOOK
SOAP DISPENSER	2	SOAP VALVE / SURFACE MOUNTED	ASI #0353	H1421	POLISHED CHROME	MOUNT IN LAV. BACKSPASH MAX. 40" A.F.F.
	1	RESERVOIR SOAP TANK	PROPRIETARY	H1420	STAINLESS STEEL	MOUNT IN MECH. ROOM
SIGN - TACTILE "BABY CHANGING STATION"	2	RECTANGULAR / SURFACE MOUNTED	SIGN ELEMENTS	H1320	ALUMINUM BLUE	MOUNT 64" A.F.F. TO TOP - SEE SHEET A-2
SIGN - TACTILE "RESTROOM" ACCESSIBLE	2	RECTANGULAR / SURFACE MOUNTED	SIGN ELEMENTS	H1223	ALUMINUM BLUE	MOUNT 64" A.F.F. TO TOP - SEE SHEET A-2
LOUVERED VENT	1	16" x 8" WITH O.B. DAMPER	SUNVENT #157FL	C1001	ALUMINUM / NATURAL	AT ALCOVE SOFFIT

INTERIOR FINISH SCHEDULE

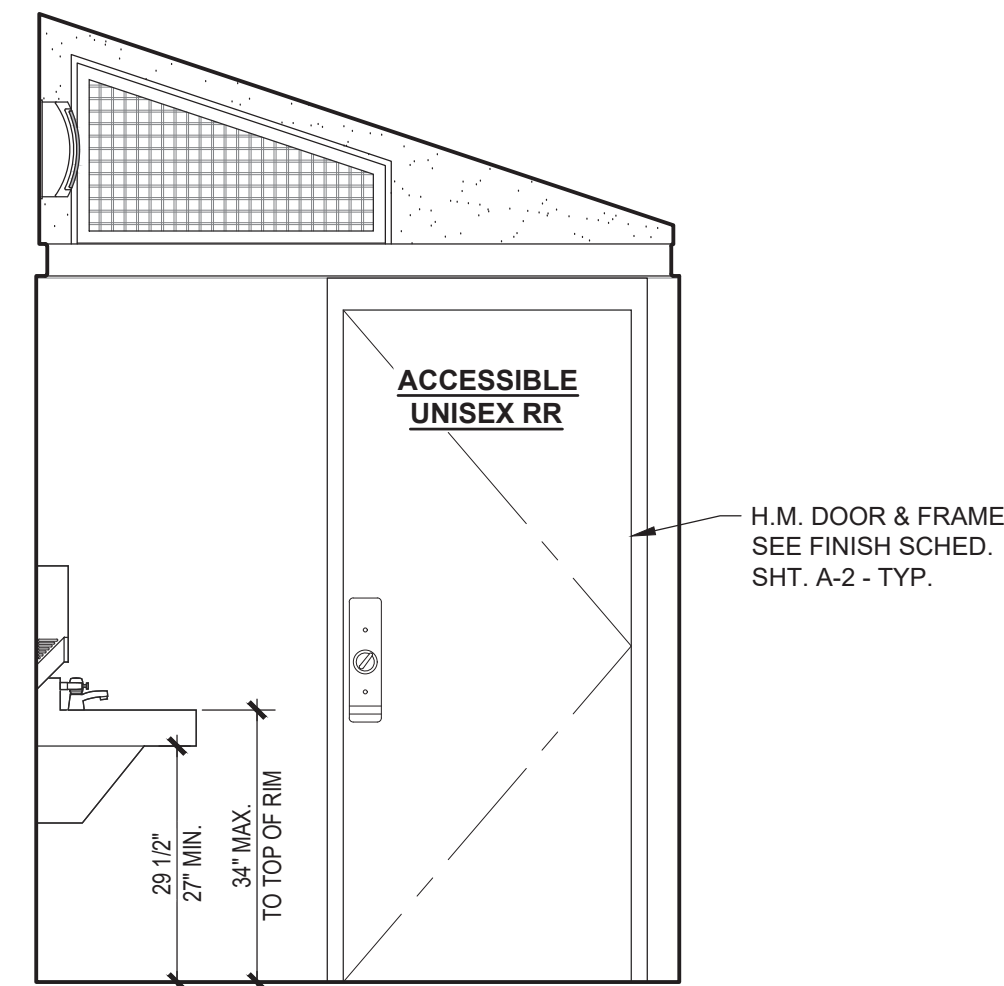
COMPONENT	DESCRIPTION	FINISH	BRAND / COLOR	NOTES
FLOOR				
RESTROOMS & MECH. ROOM	CONCRETE	POLYMER COATING	CROWN POLYMERS / GRAY	SKID RESISTANT COLOR CHIPS: A1436 GREEN BLEND #B22-2158
ALCOVE	CONCRETE	LIGHT BROOM / SEALED	NATURAL	INTEGRAL ADDITIVES FOR MOISTURE, STAINING & CORROSION RESISTANCE
WALLS				
RESTROOMS	C.M.U. - PRECISION	BLOCK FILLER / PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	2 COATS BLOCK FILLER, 2 COATS FINISH / SEMI-GLOSS
CAP BEAM	STEEL	PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
ABOVE CAP BEAM	F.R.C. - TEXTURED PATTERN	PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
MECH. ROOM	C.M.U. - PRECISION	BLOCK FILLER / PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT BLOCK FILLER, 1 COAT FINISH / SEMI-GLOSS
CAP BEAM	STEEL	PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
ABOVE CAP BEAM	WOOD SHEATHING	PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
CEILING				
RESTROOMS	F.R.C. - TEXTURED PATTERN	PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
MECH. ROOM	WOOD SHEATHING	PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS



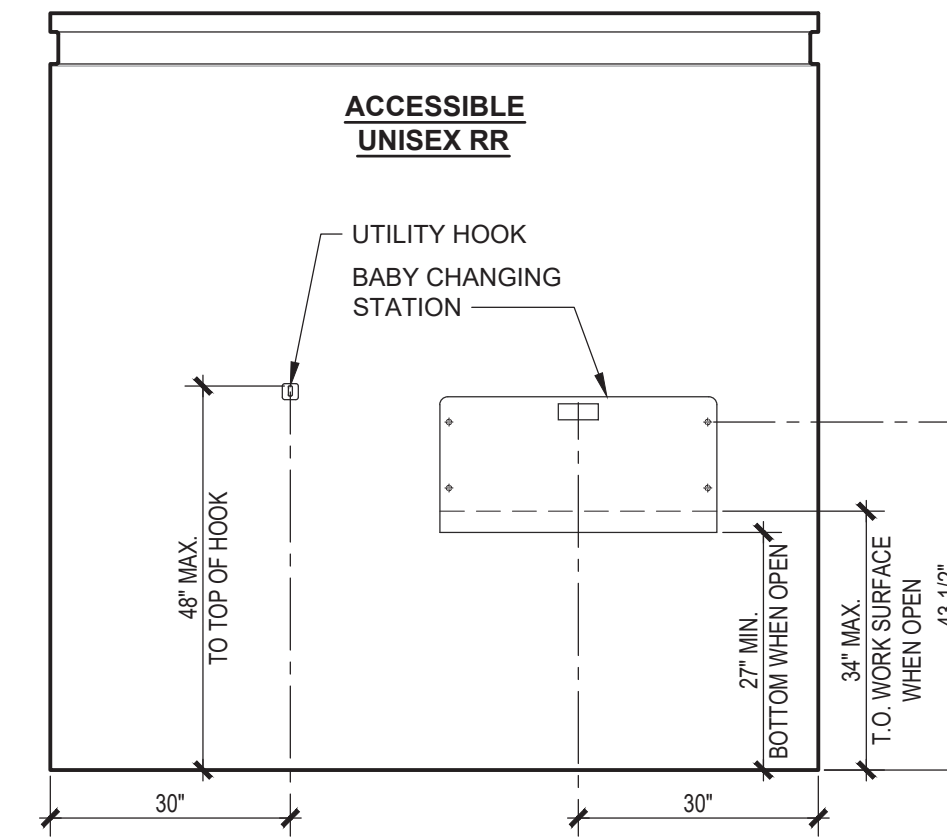
1 INTERIOR ELEVATION
A-3 SCALE: 1/2" = 1'-0"



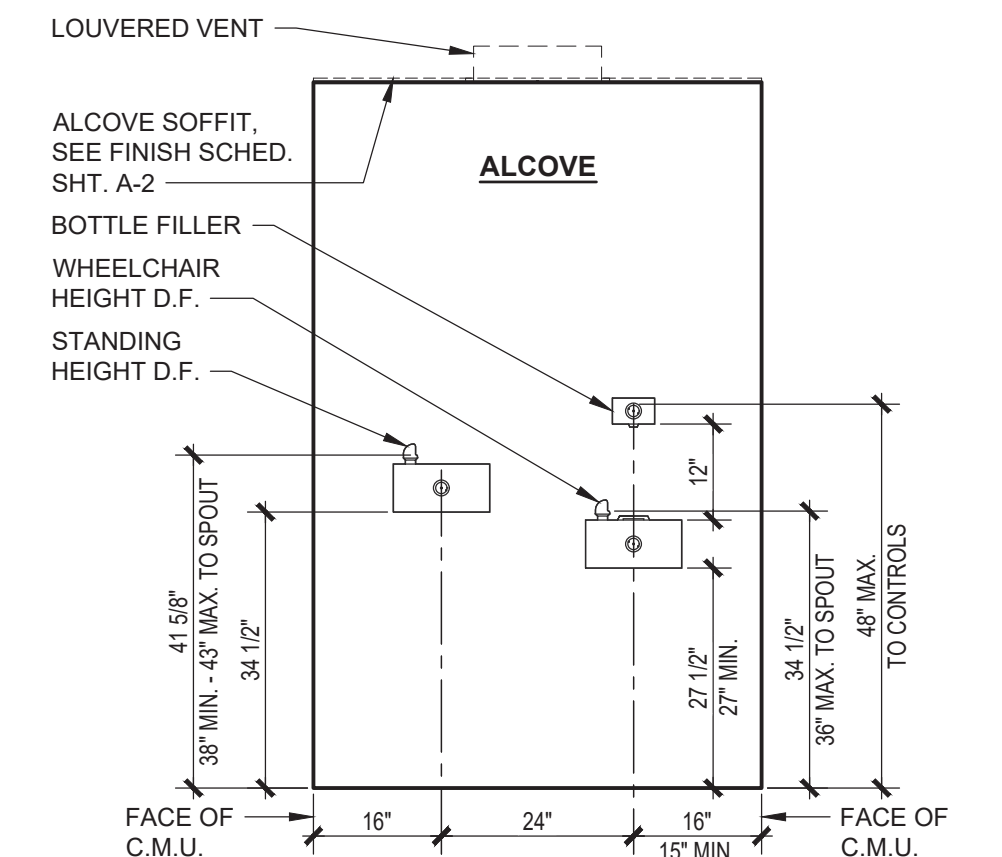
2 INTERIOR ELEVATION
A-3 SCALE: 1/2" = 1'-0"



3 INTERIOR ELEVATION
A-3 SCALE: 1/2" = 1'-0"



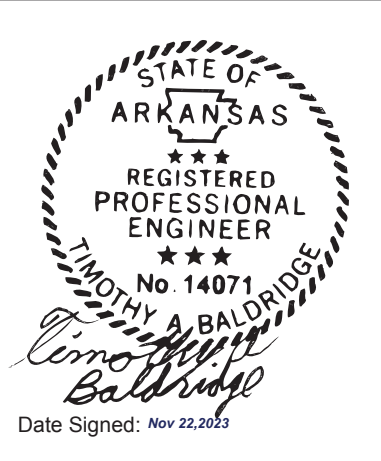
4 INTERIOR ELEVATION
A-3 SCALE: 1/2" = 1'-0"



5 ALCOVE ELEVATION
A-3 SCALE: 1/2" = 1'-0"

CONSTRUCTION DOCUMENTS - 11/22/2023

LAKE POINSETT STATE PARK - Harrisburg, AR



ICC NTA, LLC, 305 N Oakland Ave
Naperville, Indiana 45500
Date Signed: Nov 22, 2023
DO NOT SCALE - DIMENSIONS PRESIDE
24x36 SHEET - SCALE AS NOTED
11x17 SHEET - NTS

No.	Description	Date

CONSTRUCTION DOCUMENTS
11/22/2023

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PROJECT OWNER:
ARKANSAS STATE PARKS
Arkansas, AR

PROJECT NAME AND LOCATION:
LAKE POINSETT STATE PARK
Harrisburg, AR

SHEET TITLE:
INTERIOR ELEVATIONS & SCHEDULES

Drawn by: **PD** Job No. **11662**
Checked by: **AS / DC**
Current Date: **11/22/2023**
Start Date: **09/18/2023**

A-3

PLUMBING COMPONENTS SCHEDULE			
QTY.	COMPONENT	DESCRIPTION	PRC #
2	WATER CLOSET - Stainless Steel, Wall Mount	ACORN 1675-W-1-HET 1.28 GPF-FVBO-ADA-PFS-316SS	K1299
2	WATER CLOSET FLUSH VALVE - Lever	ZURN Z6143AV-HET-7L-BG	K1521
2	TOILET SEAT - Heavy Duty, Elongated, Open Front	BEMIS 1955SCT 047 - BLACK	K1323
2	LAVATORY - Stainless Steel, Wall Mount, Front Access	ACORN 1652-FALRB-1-DMS-03-M-316SS	K1109
2	LAVATORY FAUCET - Chrome, Metered, Tempered	CHICAGO #333-E2805-665PSHAB	K1604
2	FLOOR DRAIN	ZURN Z451-ZZN-IP2-P13 (1/2")	K1701
2	TRAP PRIMER	PROFLO #PFPTR500	K1705
2	DRINKING FOUNTAIN - Stainless Steel, Wall Mount	HAWS #1109.14	K1430
1	BOTTLE FILLER - Stainless Steel, Wall Mount	HAWS #1920	K1435
1	STRAINER DRIP TRAY - Stainless Steel, D.F. Mount	HAWS #6469	K1440
2	HOSE BIBB - Interior, Mech. Room	ACORN #8121-LF	K1575
1	HOSE REEL - Interior	STRONGWAY #46434 (OR EQ.)	K1595.5
1	HOSE - Interior, Heavy Duty	TEKNOR APEX 5/8" x 100' #8617-100 (OR EQ.)	K1596.7
2	WATER HEATER - Electric, Tankless - 3.3kW	STIEBEL DHC 3-2 CLASSIC	L1318.5
2	THERMOSTATIC VALVE - Mixing Valve	ACORN MODEL #ST70-12	K1615
1	PRESSURE GAUGE - 100 psi.	PROFLO PFXPG100K (FOR DOWNSTREAM)	K1689
1	PRESSURE GAUGE - 200 psi.	PROFLO PFXPG200K (FOR UPSTREAM)	K1689.5
1	CHECK VALVE - 1 1/2" - Spring Type, Sweat	NIBCO S480Y-LF	K1568.7
1	PRESSURE REDUCING VALVE - 1 1/2"	WATTS LF25AUB-Z3	K1559
1	WATER FILTER - 1 1/2"	KEYSTONE CG10	K1591/92/94
1	BALL VALVE - 1 1/2"	NIBCO S-FP600A-LF	K1566
1	BALL VALVE - 1 1/4" - Prep for Future Tank	NIBCO S-FP600A-LF	K1563
1	HAMMER ARRESTOR	FNWX10PG	K1590
1	VENT CAP	JAY R SMITH 1748	K1582
1	CURB STOP - 1 1/2"	MUELLER (OR EQ.)	K1585

PIPE SCHEDULE	PIPE MATERIAL					
	PEX PIPE	TYPE 'L' COPPER	TYPE 'K' COPPER	SCHED. 40 PVC WATER	CAST IRON "NO HUB"	SCHED. 40 PVC DWV
WATER	ABOVE GROUND	✓				
	BELOW GROUND		✓			
SANITARY DRAINAGE	ABOVE GROUND				✓	
	BELOW GROUND				✓	
SANITARY VENT	ABOVE GROUND				✓	
	ABOVE ROOF				✓	

NOTES:

MAX. FLOW AND WATER CONSUMPTION:

- WATER CLOSET FLUSH VALVE SHALL NOT EXCEED 1.6 gpf.
- LAVATORY METERING FAUCETS SHALL NOT EXCEED 0.25 gal. PER CYCLE.

LEGEND:

CO = CLEAN OUT

----- VENT PIPE

----- WASTE PIPE

WASTE AND VENT PIPING:

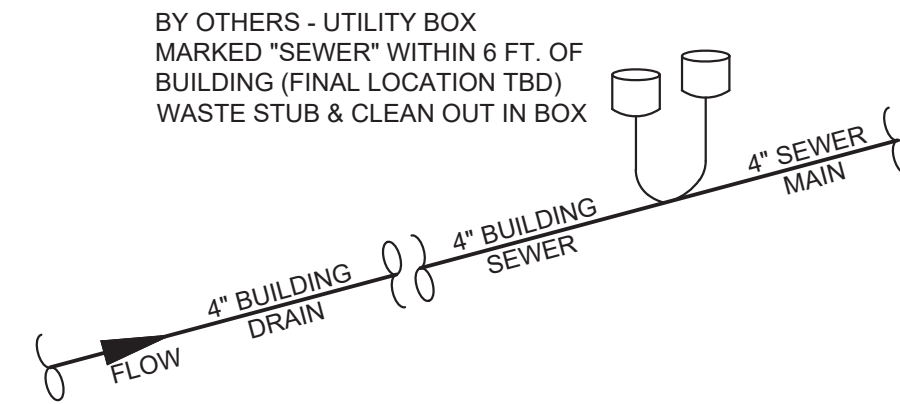
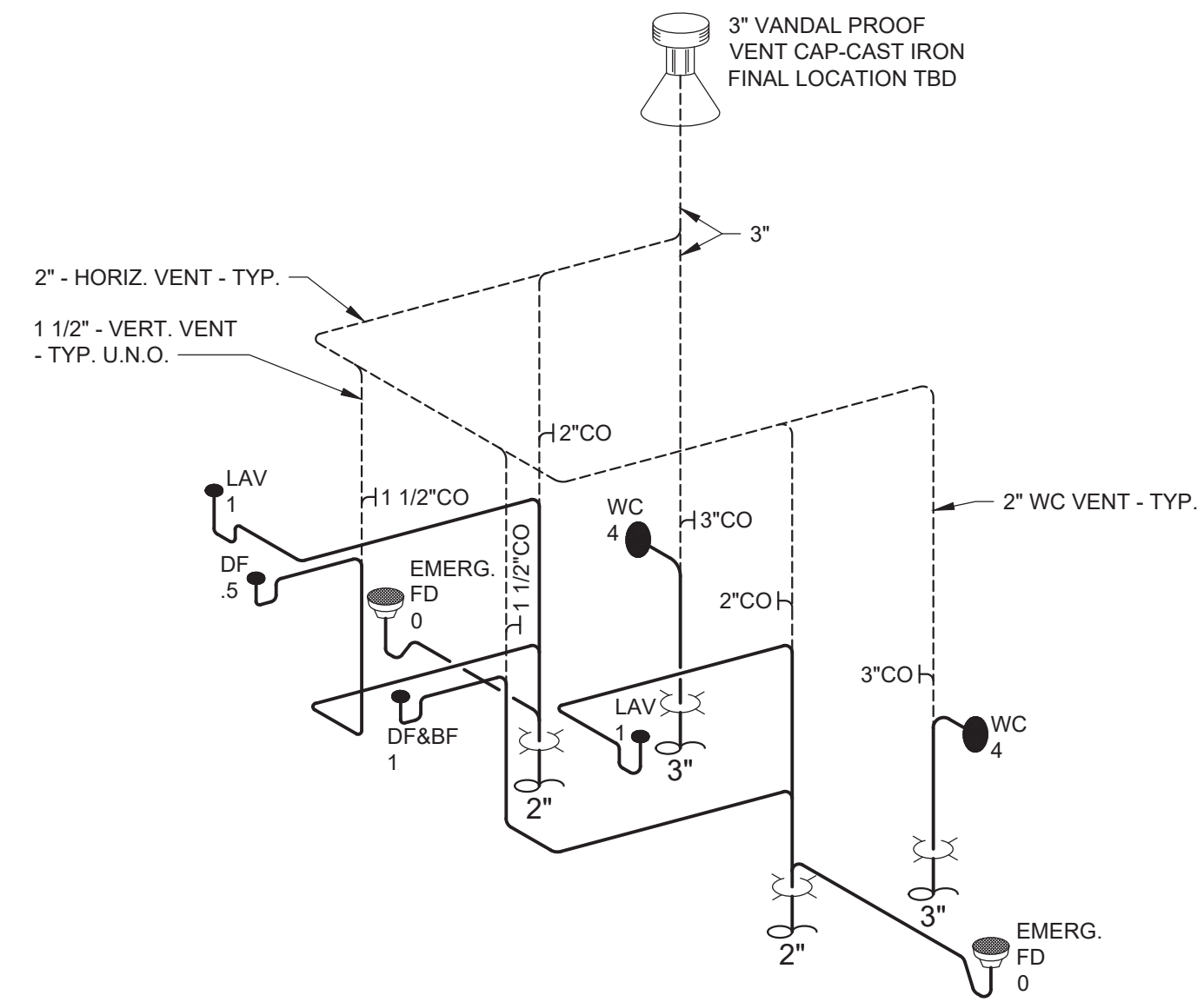
- FIXTURE UNITS _____ 11.5
- SIZE OF BUILDING FLOOR DRAINS _____ 2"
- SIZE OF BUILDING SEWER _____ 4"
- SIZE OF SEWER MAIN _____ 4"
- AGGREGATE VENT AREA _____ 7.068 SQ. IN.

D.W.V. - ABOVE GROUND

D.W.V. - BELOW GROUND

GENERAL NOTES:

- CONTINUATION OF WASTE TO MAIN SEWER TO BE DONE ON SITE BY OTHERS.
- V.T.R. SHALL BE CAST IRON WITH VANDAL PROOF CAP TO 24" BELOW ROOF.
- SLOPE ALL D.W.V. PIPING 1/4" NOM. DRAIN LINE TO BE SLOPED TO MAIN SEWER LINE.



4 WASTE & VENT PIPING ISOMETRIC
SCALE: NOT TO SCALE

LEGEND:

----- COLD WATER LINE - SIZE AS INDICATED

----- 1/2" FLEXIBLE HOT WATER LINE

----- 1/2" FLEXIBLE TEMPERED WATER LINE

----- 1/2" PEX TRAP PRIMER LINE - IN SLAB

WATER PIPING:

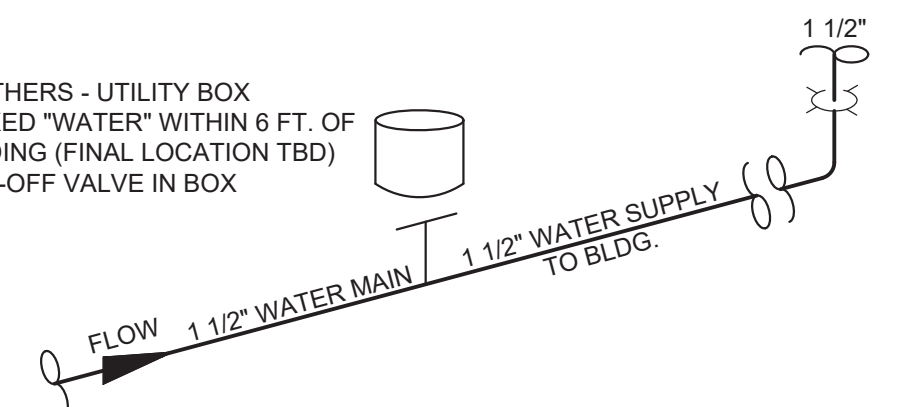
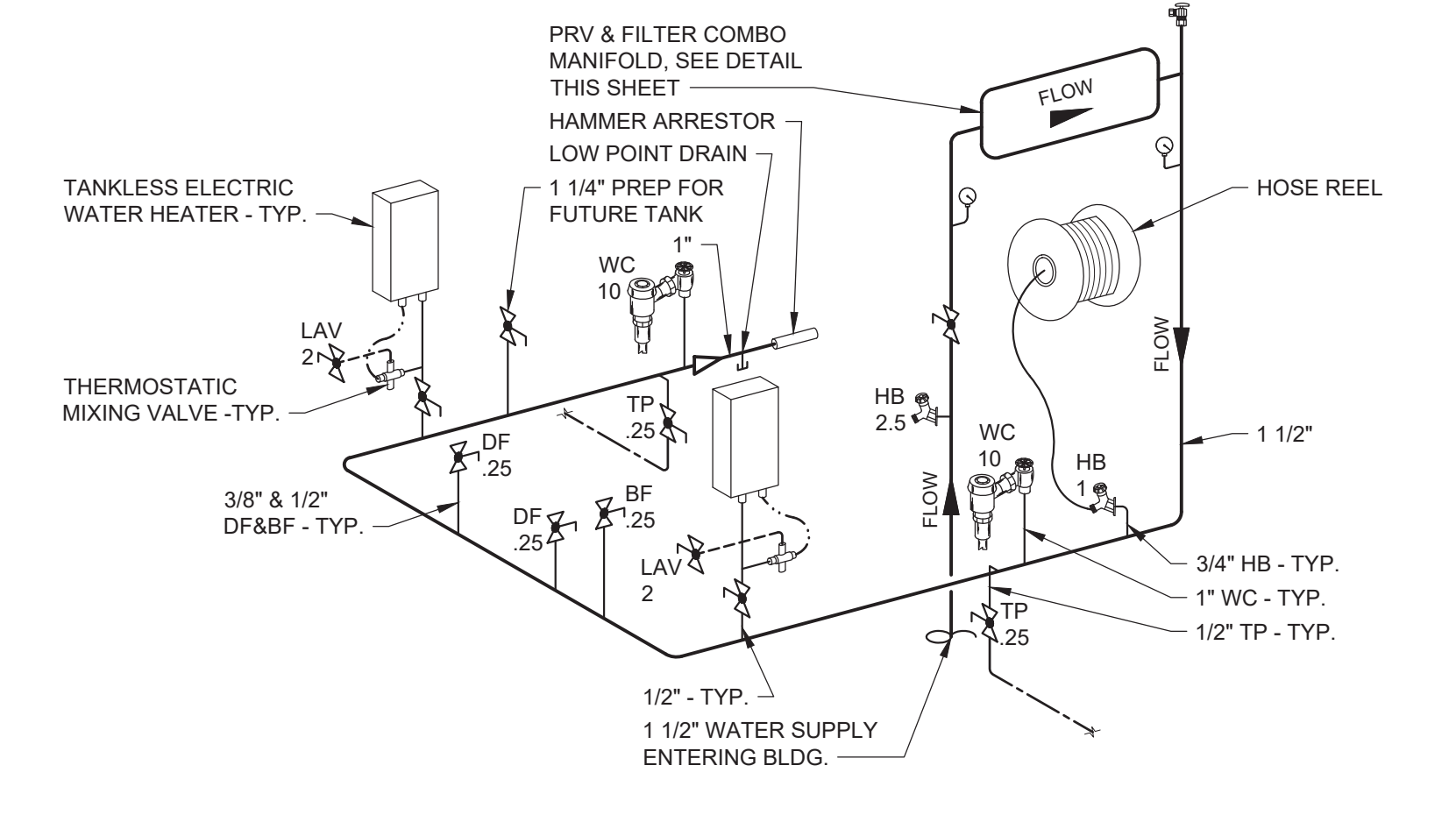
- FIXTURE UNITS _____ 28.75
- BUILDING DEVELOPED LENGTH _____ 32'
- BUILDING REQUIRED PRESSURE _____ 50 to 60 psi
- BUILDING WATER SUPPLY SIZE _____ 1 1/2"
- WATER MAIN SIZE TO BUILDING _____ 1 1/2"
- SITE WATER PRESSURE _____ 75 psi
- METER SIZE _____ 1 1/2"
- DISTANCE TO METER _____ 207'
- TOTAL DEVELOPED LENGTH _____ 239'

WATER LINE - ABOVE GROUND

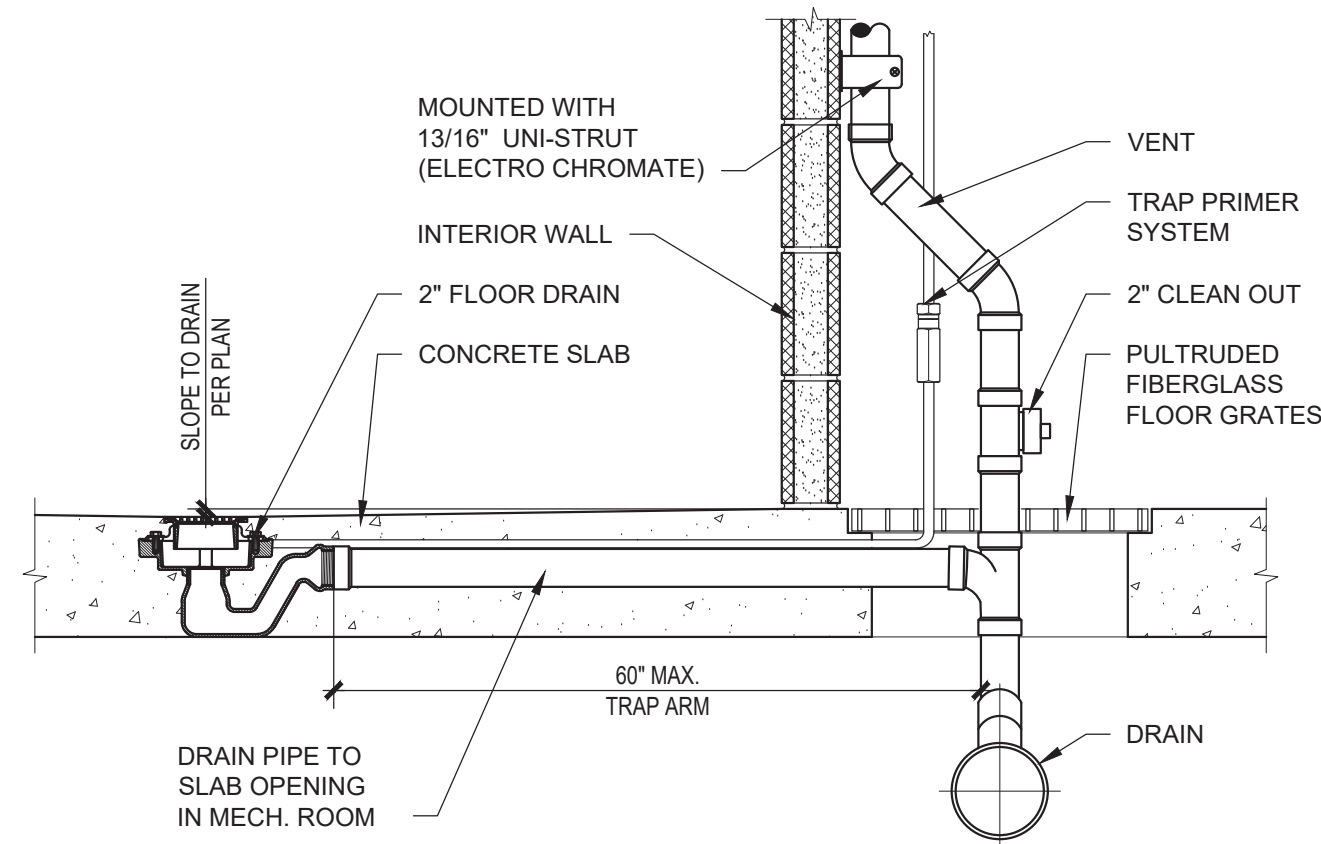
WATER LINE - BELOW GROUND

GENERAL NOTES:

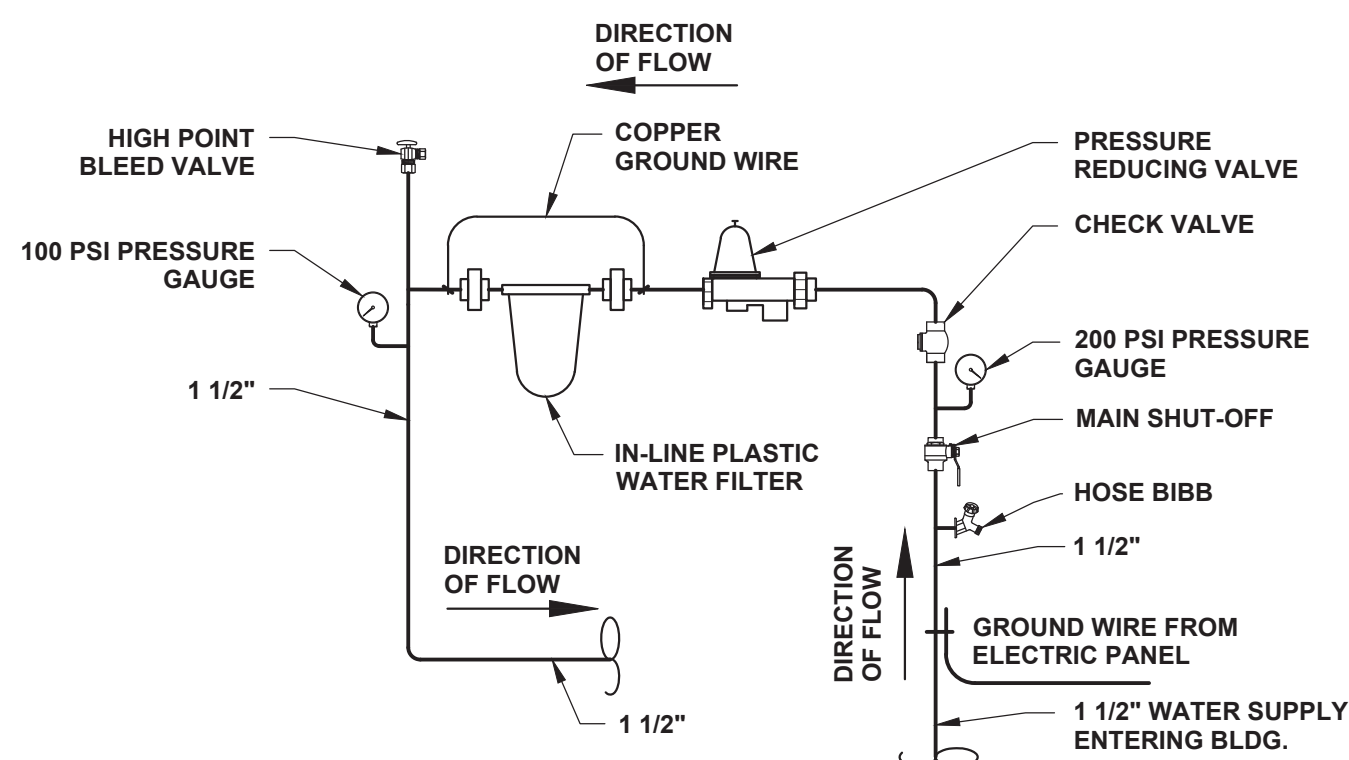
- CONTINUATION OF WATER MAIN TO BE DONE ON SITE BY OTHERS.
- SLOPE ALL WATER PIPING TO LOW POINT DRAIN DRAINS FOR WINTERIZATION.
- WATER HEATER SHALL BE ANCHORED OR STRAPPED PER CODE.



2 WATER PIPING ISOMETRIC
SCALE: NOT TO SCALE



FLOOR DRAIN DETAIL

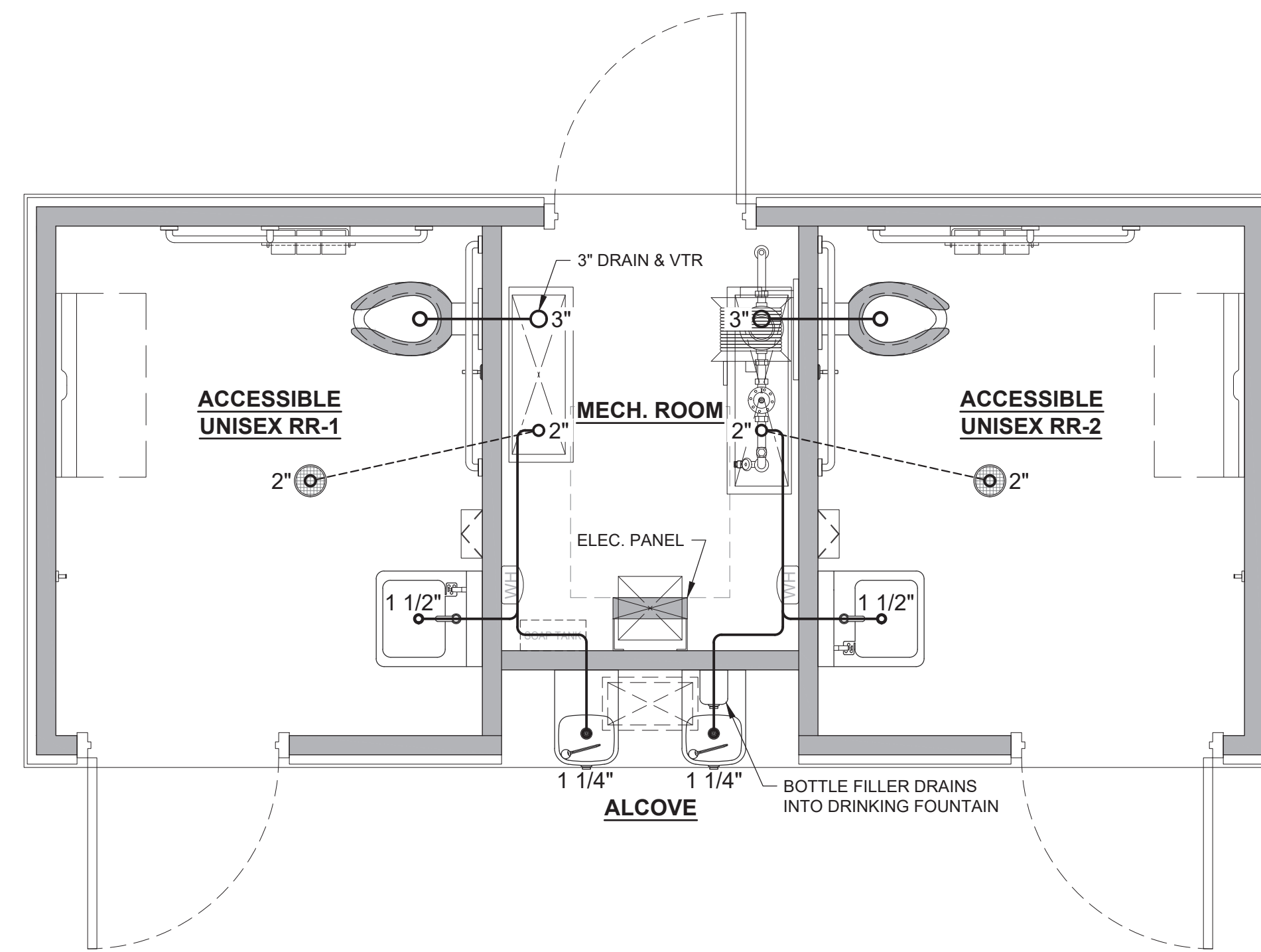


PRV & FILTER COMBO MANIFOLD

LEGEND:

----- WASTE PIPE - ABOVE GROUND

----- FLOOR DRAIN WASTE PIPE - IN SLAB



3 PLUMBING PLAN - WASTE
SCALE: 1/2"=1'-0"

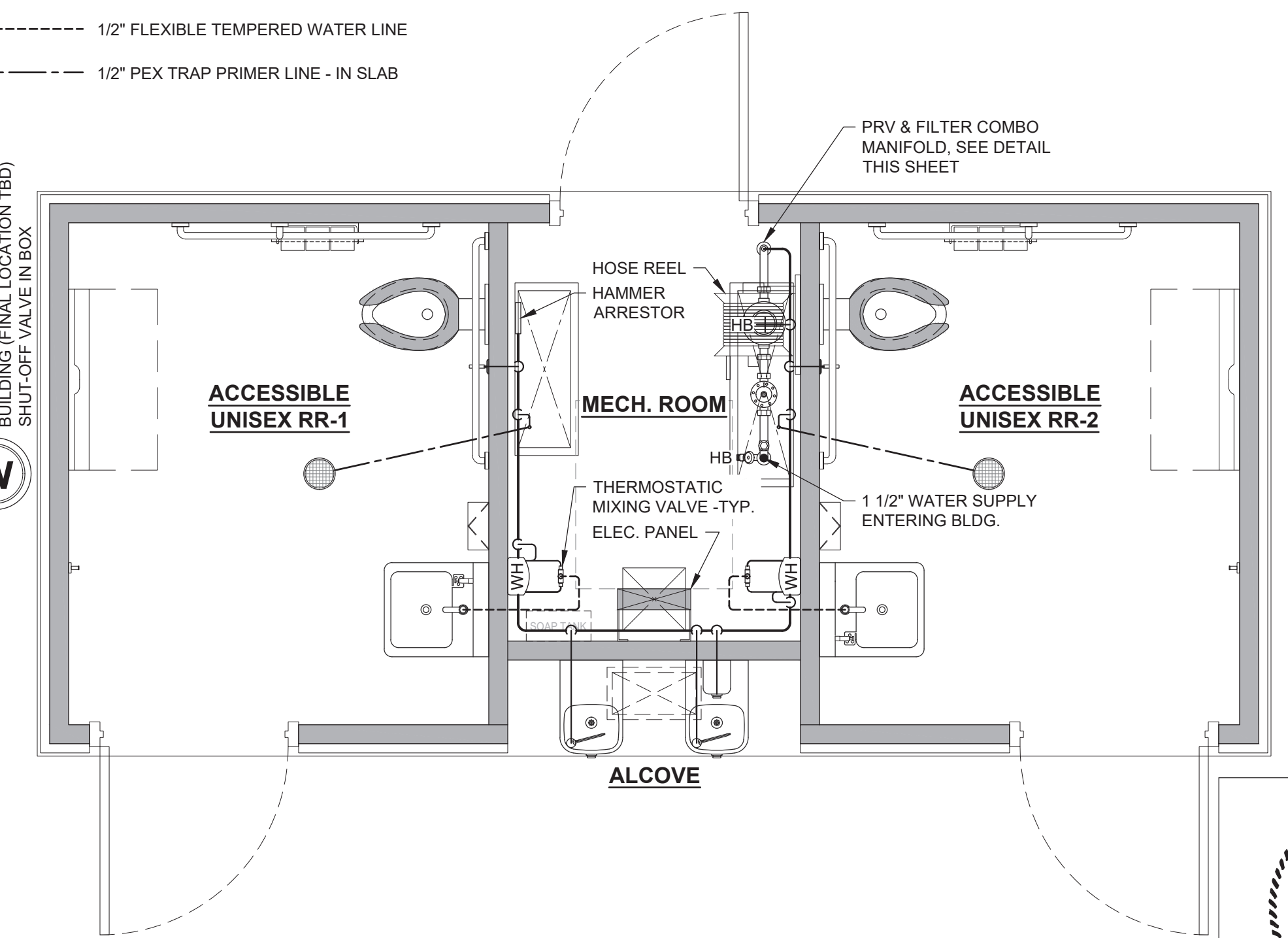
LEGEND:

----- COLD WATER LINE - SIZE AS INDICATED ON ISOMETRIC

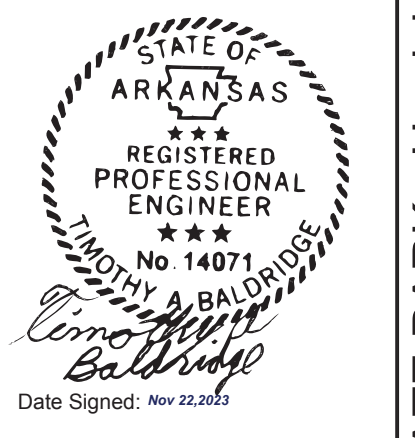
----- 1/2" FLEXIBLE HOT WATER LINE

----- 1/2" FLEXIBLE TEMPERED WATER LINE

----- 1/2" PEX TRAP PRIMER LINE - IN SLAB



1 PLUMBING PLAN - WATER SUPPLY
SCALE: 1/2"=1'-0"



ICC NTA, LLC, 305 N Oakland Ave
Naperville, Indiana 46500

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11x17 SHEET - NTS

No.	Description	Date

CONSTRUCTION DOCUMENTS
11/22/2023

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PROJECT OWNER:
ARKANSAS STATE PARKS
Arkansas, AR

PROJECT NAME AND LOCATION:
LAKE POINSETT STATE PARK
Harrisburg, AR

SHEET TITLE:
PLUMBING PLANS & SCHEDULES

Drawn by: **PD** Job No. **11662**
Checked by: **AS / DC**
Current Date: **11/22/2023**
Start Date: **09/18/2023**

P-1

ELECTRICAL COMPONENTS SCHEDULE

SYMBOL	QTY.	RATING	DESCRIPTION	MODEL	HEIGHT	COMMENTS	PRC #
	1	100 AMP MAIN BREAKER	120/240V SINGLE PHASE - 3 WIRE, PLUG-ON BREAKERS, NEMA 1 ENCLOSURE	SQUARE D QO120M100P (OR EQUAL)	72" A.F.F. TOP OF PANEL	FURRED OUT AS NEEDED	L1902
	3	10 WATTS	LED - WALL MOUNT, VANDAL RESISTANT, FULL CUT-OFF	LUMINAIRE AEL-12-NODIM-10W-40K-120-DP-BZH	SEE SHEET A-2	-	L1153
	2	15 WATTS	LED - SURFACE MOUNT, VANDAL RESISTANT	LUMINAIRE SWP1212-NODIM-15W-40K-120-OP-BRZ-OCC	SEE SHEET A-3	BUILT-IN OCCUPANCY SENSOR	L1168.5
	1	15 WATTS	LED T8 (1) TUBE - SURFACE MOUNT, SEALED SHATTERPROOF PLASTIC HOUSING	GREENLIGHTING AL-41L	CEILING MOUNTED	-	L1107
	1	3 WATTS	LED - WALL MOUNT	LITHONIA MODEL #ELM2L (OR EQUAL)	ABOVE CAP BEAM	WIRE AHEAD OF SWITCH	L1198
	1	-	SINGLE POLE MANUAL ON/OFF SWITCH WITH OCCUPANCY SENSOR	LEVITON DECORA ODS10-IDW	48" A.F.F. TO TOP	-	L1879
	1	-	SINGLE POLE MANUAL ON/OFF SWITCH	LEVITON 1221-2R	48" A.F.F. TO TOP	BYPASS SWITCH - EXTERIOR LIGHTS	L1870
	1	-	DOUBLE POLE MANUAL ON/OFF SWITCH	LEVITON 1222-2W	48" A.F.F. TO TOP	BYPASS SWITCH - RESTROOM LIGHTS	L1872
	1	1800 WATTS	NIGHTFOX WALL MOUNT ELECTRONIC PHOTOCONTROL, 120-277V	INTERMATIC EK4336S	SEE SHEET A-2	RECESSED ABOVE CAP BEAM	L1896
	1	1500 WATTS	20 AMP, 125 VOLT GFCI DUPLEX RECEPTACLE	LEVITON GFNT2-W	48" A.F.F. TO TOP	-	L1876
	2	1000 WATTS	SURFACE MOUNTED ELECTRIC	DYSON AIRBLADE V	40" MAX. A.F.F. TO CONTROLS	-	L1417
	2	3300 WATTS	IN-LINE TANKLESS WATER HEATER	STIEBEL DHC 3-2 CLASSIC	-	-	L1318.5
	1	-	JUNCTION BOX WITH CONDUIT BACK TO ELECTRICAL PANEL	-	-	FOR FUTURE USE BY OWNER	-

GENERAL SHEET NOTE:
LOCATION OF ALL ELECTRICAL COMPONENTS IN THE MECHANICAL ROOM ARE SUBJECT TO CHANGE, FINAL LOCATIONS TBD.



LIGHTING CONTROLS SCHEDULE

AREA	CONTROLS
RESTROOMS	OCCUPANCY SENSOR BUILT-IN TO LIGHT FIXTURE / BYPASS SWITCH "ON" OVERRIDES OCCUPANCY SENSOR FOR MAINTENANCE
MECH. ROOM	MANUAL ON/OFF SWITCH WITH OCCUPANCY SENSOR
EXTERIOR	PHOTOCELL / BYPASS SWITCH "ON" OVERRIDES PHOTOCELL FOR MAINTENANCE

- NOTES:**
- ALL CONDUCTORS ARE COPPER WIRES.
 - RATING OF STANDARD PANEL IS 22,000 A.I.C.
 - WIRING METHOD IN METALLIC CONDUIT. (MC CABLE, EMT, METALLIC FLEX).
 - INSTALL CEE GROUND IN SLAB, TERMINATING IN UTILITY CHASE.
 - GREEN GROUNDING CONDUCTOR IN ALL RACEWAYS.

PANEL SCHEDULE

NOTE: ALL CONDUCTORS COPPER

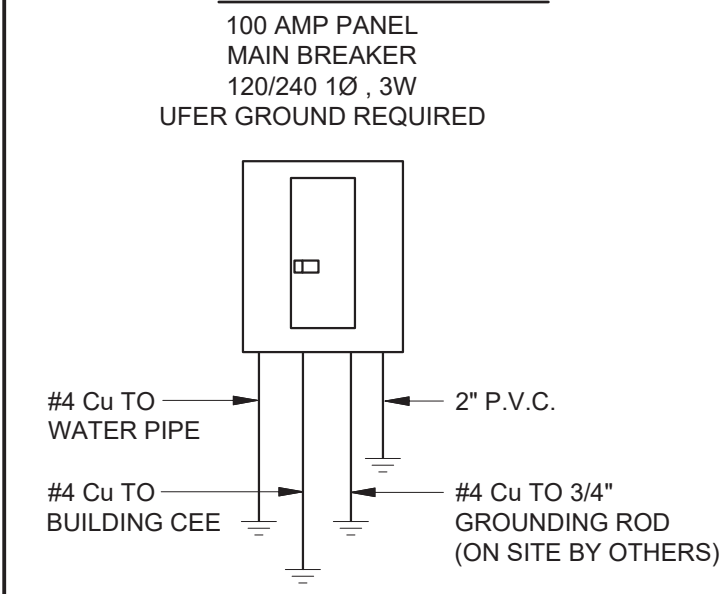
CKT	DESCRIPTION	CIR. BREAKER TRIP AMPS	WIRE SIZE	TOTAL V.A.	120/240V - SINGLE PHASE - 3 WIRE		CKT
					TOTAL V.A.	DESCRIPTION	
1	WATER HEATER / RR-2	20	12	1650	1650	20	2
3	"	"	"	1650	1650	"	4
5	EXTERIOR LIGHTS	20	12	30	1500	20	6
7	RESTROOM LIGHTS	20	12	33	-	20	8
9	MECH. ROOM LIGHTS	20	12	15	-	20	10
11	HAND DRYER / RR-1	20	12	1000	-	-	12
13	HAND DRYER / RR-2	20	12	1000	-	-	14
15							16
17							18
19							20

ELECTRICAL LOAD CALCULATIONS

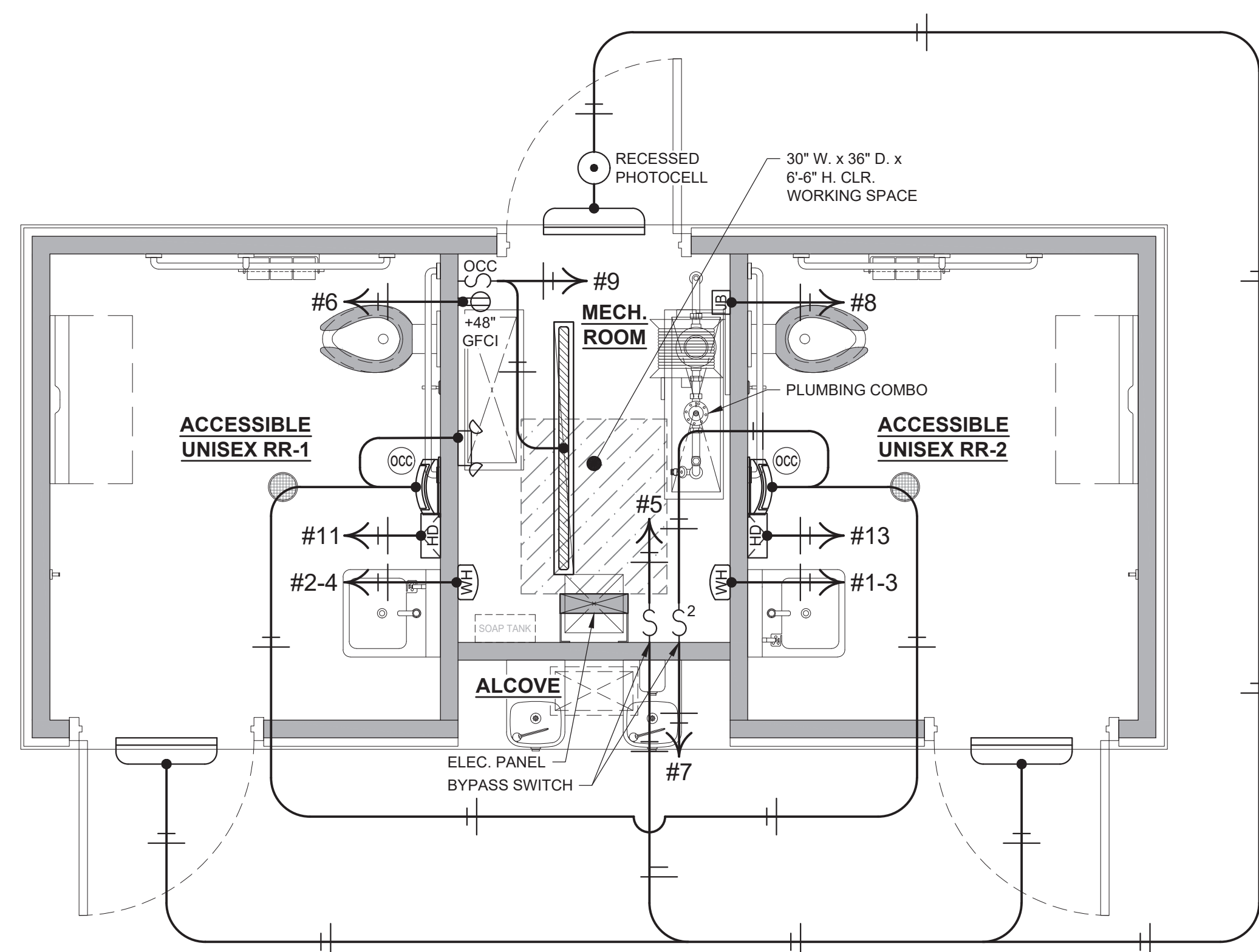
PANEL: 100 AMP 120/240V - SINGLE PHASE - 3 WIRE

COMPONENT	CONNECTED LOAD (V.A.)	CALCULATED LOAD (V.A.)	
EXTERIOR LIGHTING	30	CONNECTED LOAD x 1.25	37.50
INTERIOR LIGHTING	48	CONNECTED LOAD x 1.25	60.00
(1) HAND DRYER (LARGEST MOTOR)	1000	CONNECTED LOAD x 1.25	1250.00
(1) HAND DRYER	1000	CONNECTED LOAD x 1.00	1000.00
(2) WATER HEATER	6600	CONNECTED LOAD x 1.00	6600.00
(1) RECEPTACLE - DEDICATED	1500	CONNECTED LOAD x 1.00	1500.00
TOTAL LOAD	10178	TOTAL LOAD	10447.50
TOTAL CONNECTED LOAD	KVA	10.178	TOTAL CALCULATED LOAD
	AMPS	42.408	KVA
			AMPS
			43.531

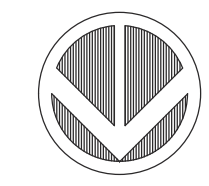
ONE-LINE DIAGRAM



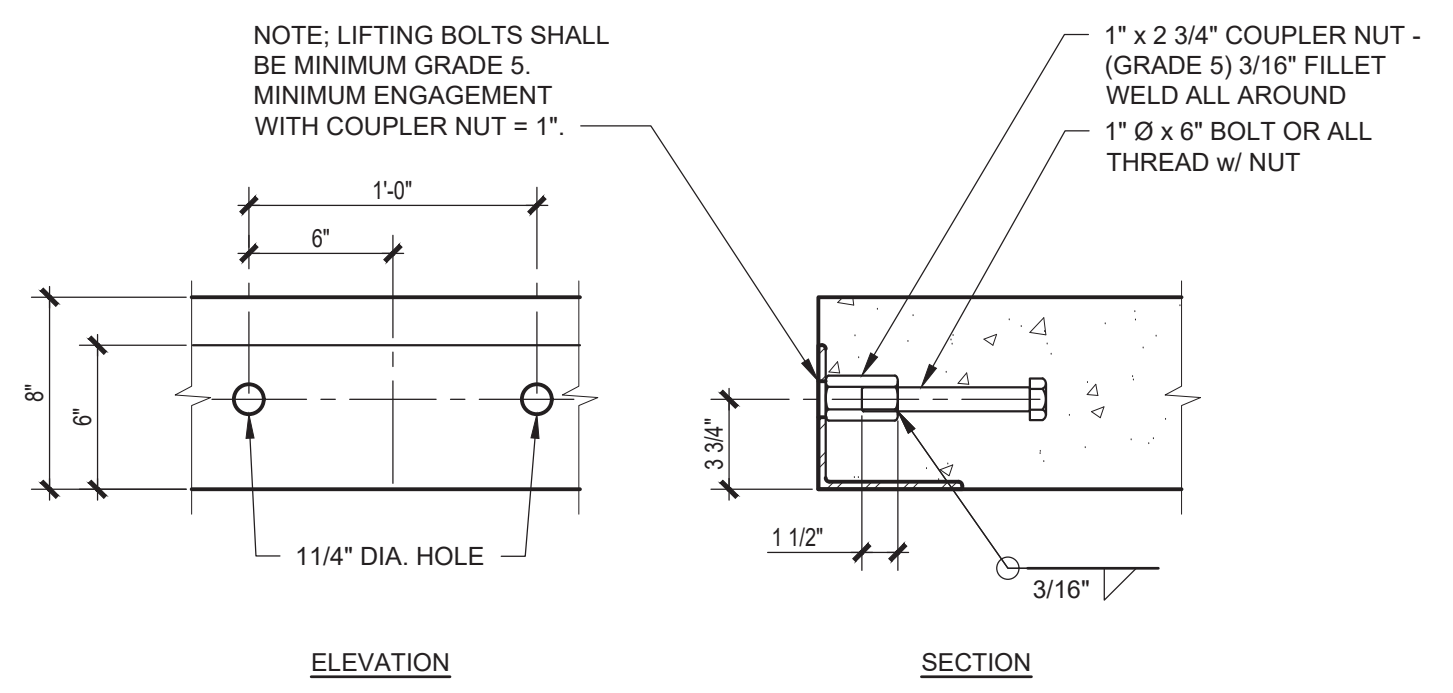
E BY OTHERS - UTILITY BOX MARKED "ELECTRIC" - WITHIN 6 FT. OF BUILDING (FINAL LOCATION TBD)



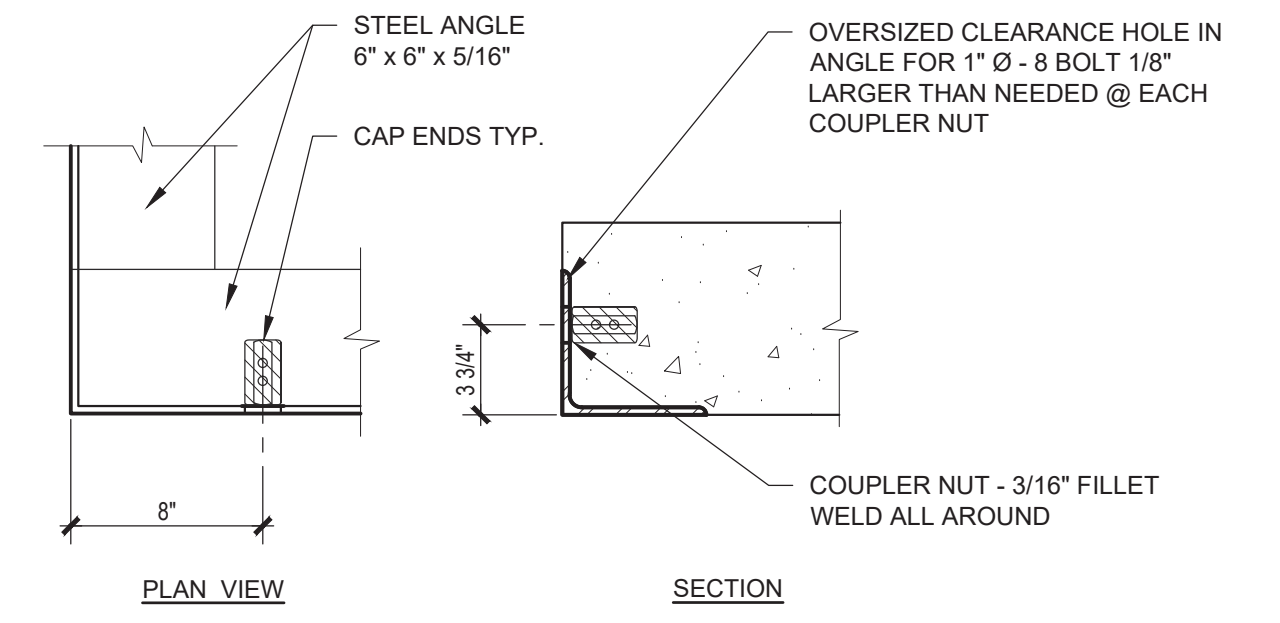
1 ELECTRICAL PLAN
SCALE: 1/2"=1'-0"



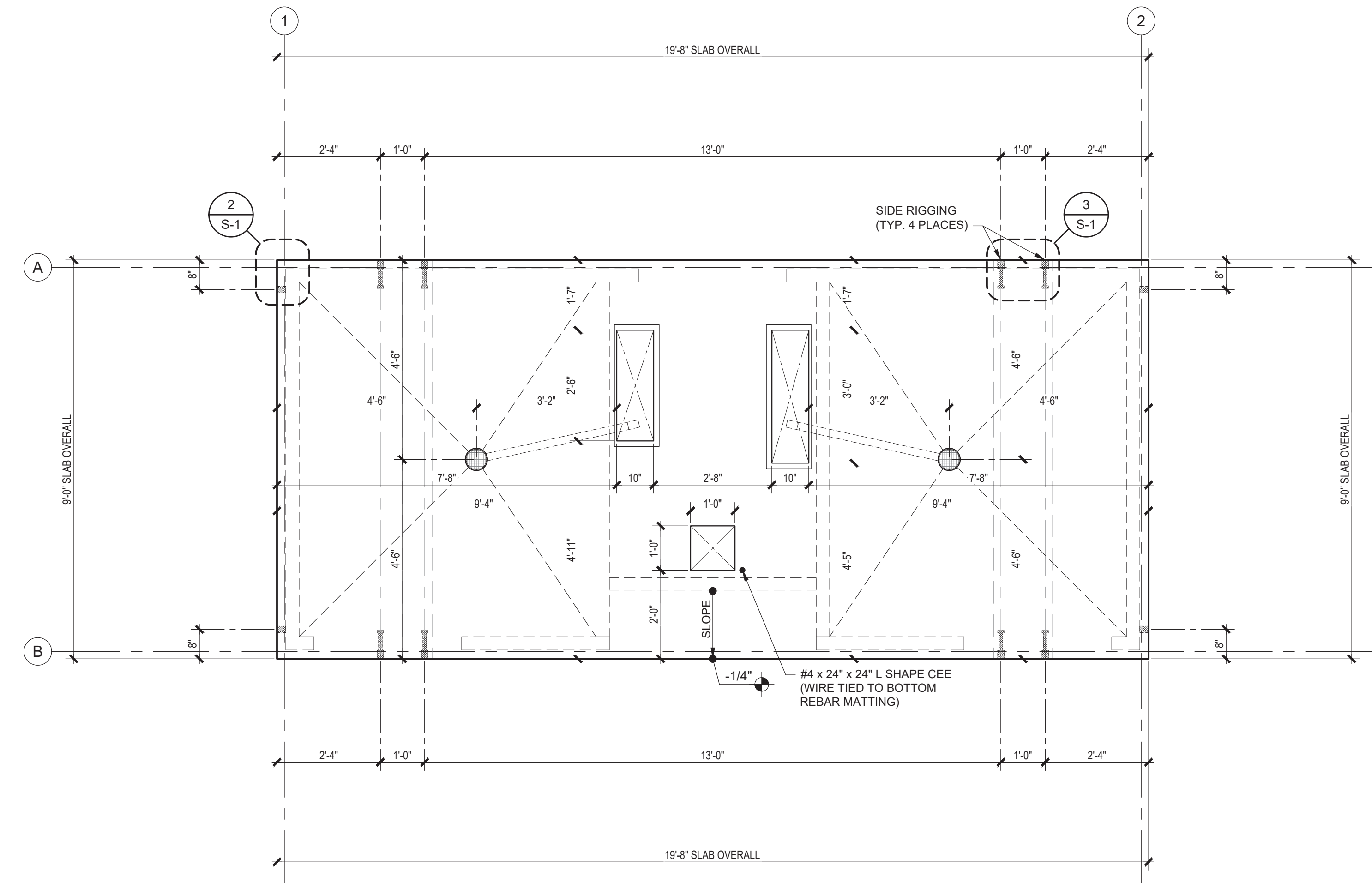
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 14071
Date Signed: Nov 22, 2023
ICC NTA, LLC, 305 N Oakland Ave
Nappanee, Indiana 46550



3
S-1 **SIDE RIGGING EMBEDDED ANCHOR DET.**
SCALE: 1 1/2"=1'-0"



2
S-1 **CONCRETE SLAB EXTERIOR STEEL FRAME @ CORNER DETAIL**
SCALE: 1 1/2"=1'-0"



1
S-1 **CONCRETE SLAB PLAN**
SCALE: 1/2"=1'-0"

- NOTES: (LIGHT WEIGHT CONCRETE)**
- ALL REBAR TO BE GRADE 60.
 - ALL WELDABLE REINFORCEMENTS TO BE ASTM A706.
 - CONCRETE STRENGTH BASIS DESIGN IS MIN. 2500 PSI WITH SPECIAL ADDITIVE.
 - MINIMUM CONCRETE COVER = 1 1/2" FOR #4 AND #5 BARS. TOP BARS MAY BE LOWER ONLY WHERE REQUIRED BY SPECIFIED SLOPES.
 - PROVIDE (2) #5 BARS @ 8" O.C. TOP & BOTTOM AT PERIMETER OF EACH SLAB & PROVIDE (3) #5 BARS @ 8" O.C. TOP & BOTTOM AT EACH LIFTING LOCATION.
 - TOP MAT: ADD TRIMMER BARS NEXT TO BLOCK OUTS IF CLEARANCE TO REGULAR LAYOUT IS GREATER THAN 2". TRIMMER BARS EXTEND 18" PAST OPENING, OR TERMINATE WITH 90° HOOK AND 8" EXTENSION. CENTER OF TRIMMER BARS TO BLOCK OUTS TO BE 2", TYP.
 - PROVIDE (2) DIAGONAL 24" LONG #4 REBARS (1 @ TOP MAT & 1 @ BOTTOM MAT) @ EACH SLAB OPENING.
 - SMALL BLOCK OUTS (8" x 8" MAX.) MAY BE ADDED AS REQUIRED FOR SERVICES. ADD DIAGONAL TRIMMER BARS IF CLEARANCE TO REGULAR LAYOUT IS GREATER THAN 2".
 - SPLICES: #4 BARS - 20" LAP
#5 BARS - 24" LAP
 - PROTECT PIPE & FLOOR DRAINS THAT WILL BE ENCASED IN THE CONCRETE BY PROVIDING AN APPROVED WRAP.
 - ONLY WHERE NOTED, IT IS ACCEPTABLE TO NOTCH HORIZONTAL LEG OF PERIMETER ANGLE.
 - ALL EXPOSED FACES OF SLAB PERIMETER STEEL ANGLES SHALL RECEIVE GALVANIZING PAINT COATING.

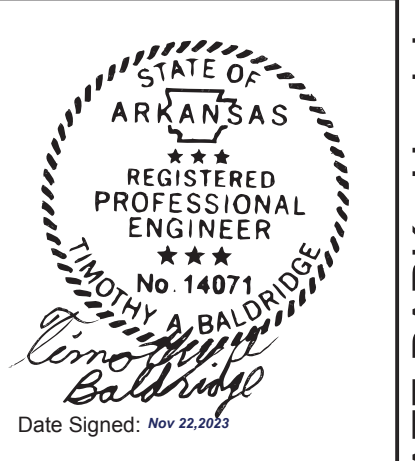
- FLOOR FINISH SCHEDULE:**
- RESTROOMS & MECH. ROOM - POLYMER COATING / DO NOT SEAL FLOORS
 - ALCOVE - LIGHT BROOM FINISH / SEALED

SLAB LOADS SCHEDULE			
MARK	LOCATION	VERTICAL LOAD	LATERAL LOAD
A	WALL LINE (GRID) 1 & 2	419 - plf	2,731 - lbf
B	WALL LINE (GRID) A & B	529 - plf	4,486 - lbf

NOTE: SCHEDULE VALUES PER ASD LOAD COMBINATION

CONSTRUCTION DOCUMENTS - 11/22/2023

LAKE POINSETT STATE PARK - Harrisburg, AR



ICC NTA, LLC, 305 N Oakland Ave
Naperville, Indiana 46500

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24x36 SHEET - SCALE AS NOTED
11x17 SHEET - NTS

No.	Description	Date

CONSTRUCTION DOCUMENTS
11/22/2023

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PROJECT OWNER:
ARKANSAS STATE PARKS
Arkansas, AR

PROJECT NAME AND LOCATION:
LAKE POINSETT STATE PARK
Harrisburg, AR

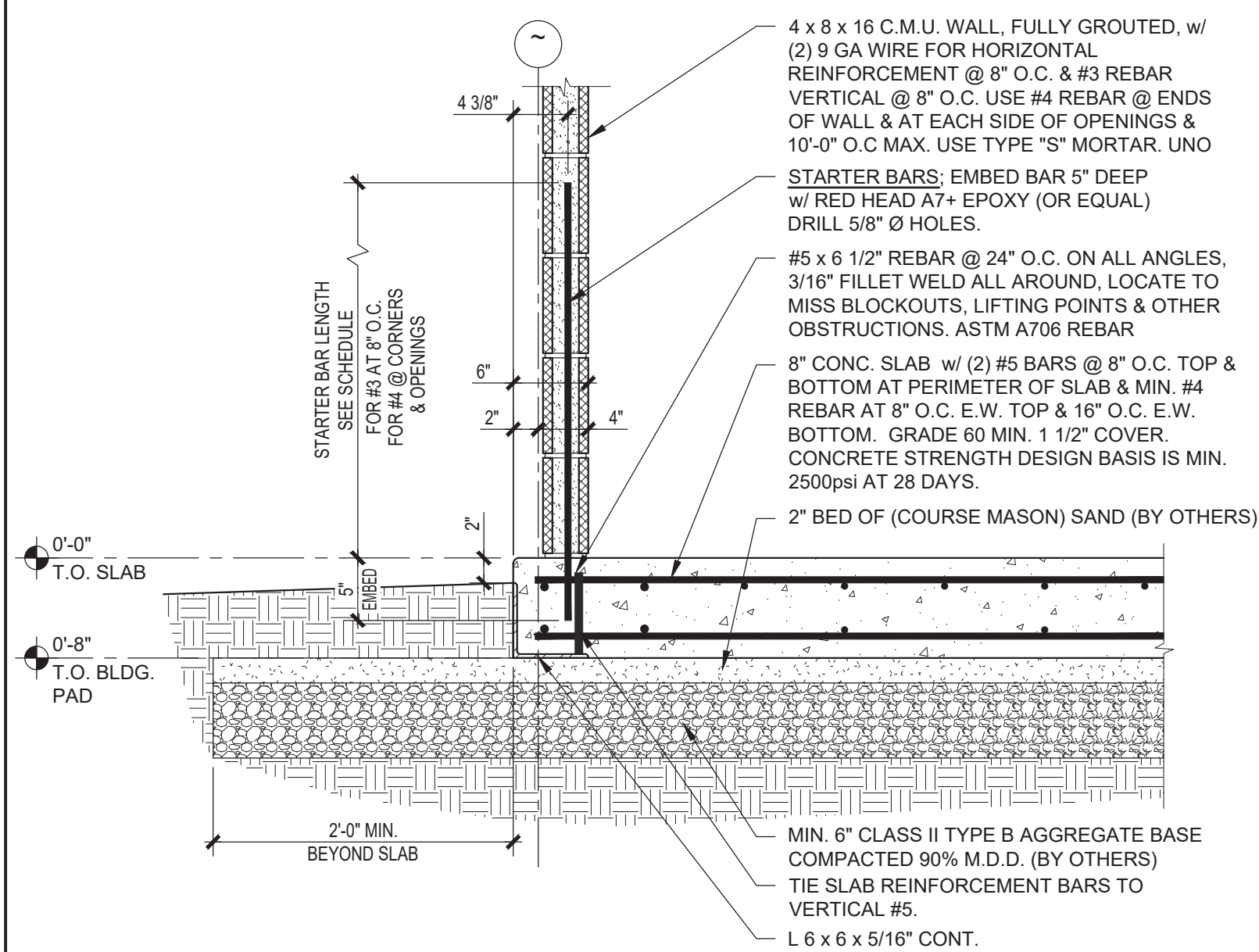
SHEET TITLE:
CONCRETE SLAB PLAN & DETAILS

Drawn by: **PD** Job No. **11662**
Checked by: **AS / DC**
Current Date: **11/22/2023**
Start Date: **09/18/2023**

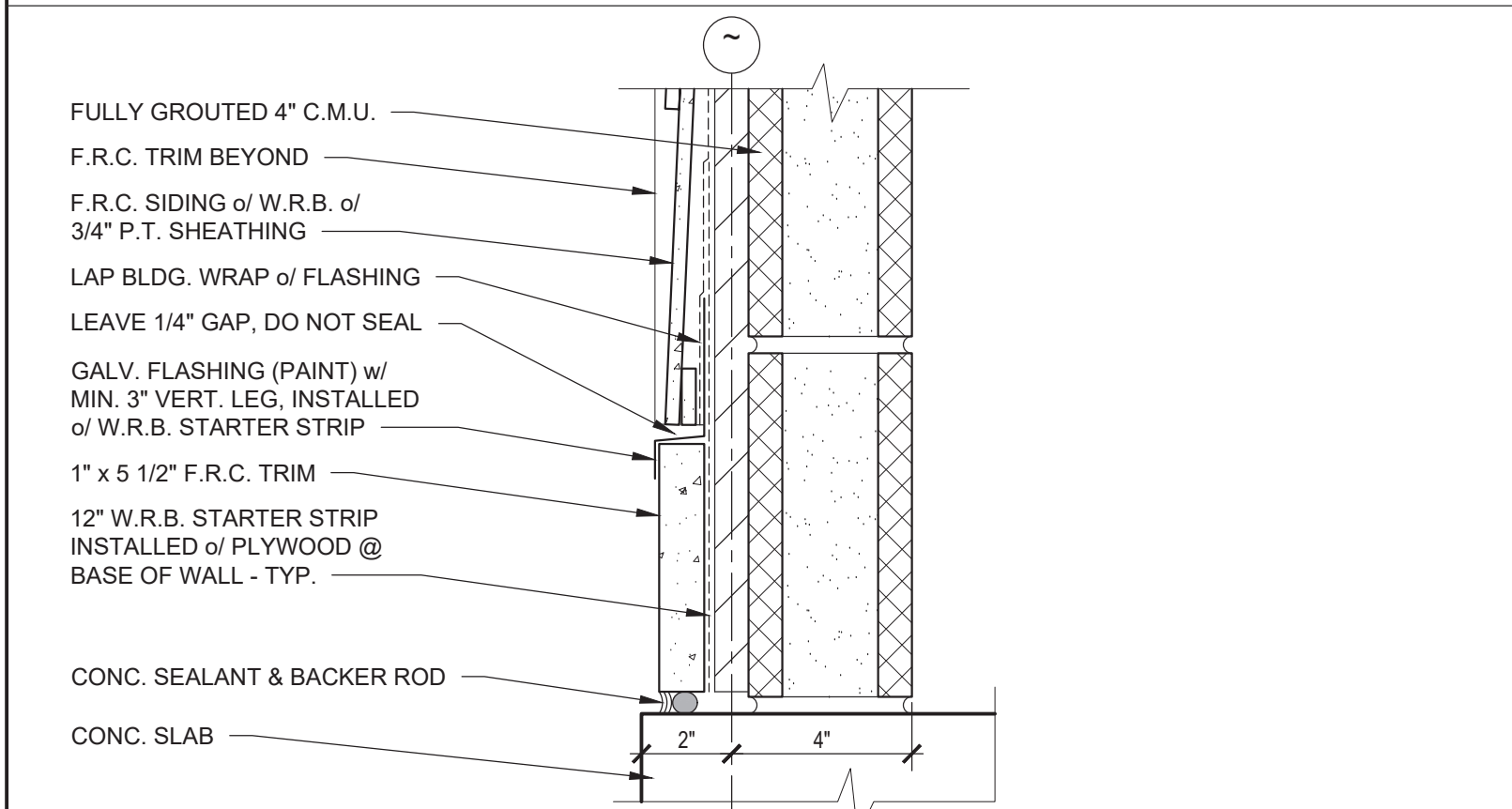
S-1

MASONRY DESIGN STRESS IS fm = 1500 PSI		
MASONRY UNITS	ASTM C 90 GRADE N-1	LIGHTWEIGHT MAS. DRY LOOSE BULK DENSITY 65 pcf
MORTAR	ASTM C 270 TYPE S	CLEAN SHARP SAND
GROUT	ASTM 476 OR EQUAL	6"-4" BLOCK -FINE

BAR Ø	MIN. EMBEDMENT (in)	MIN. OVERLAP / SPLICE (in)	MIN. REBAR LENGTH (in)
#3	5	18	23
#4	5	24	29
#5	5	30	35

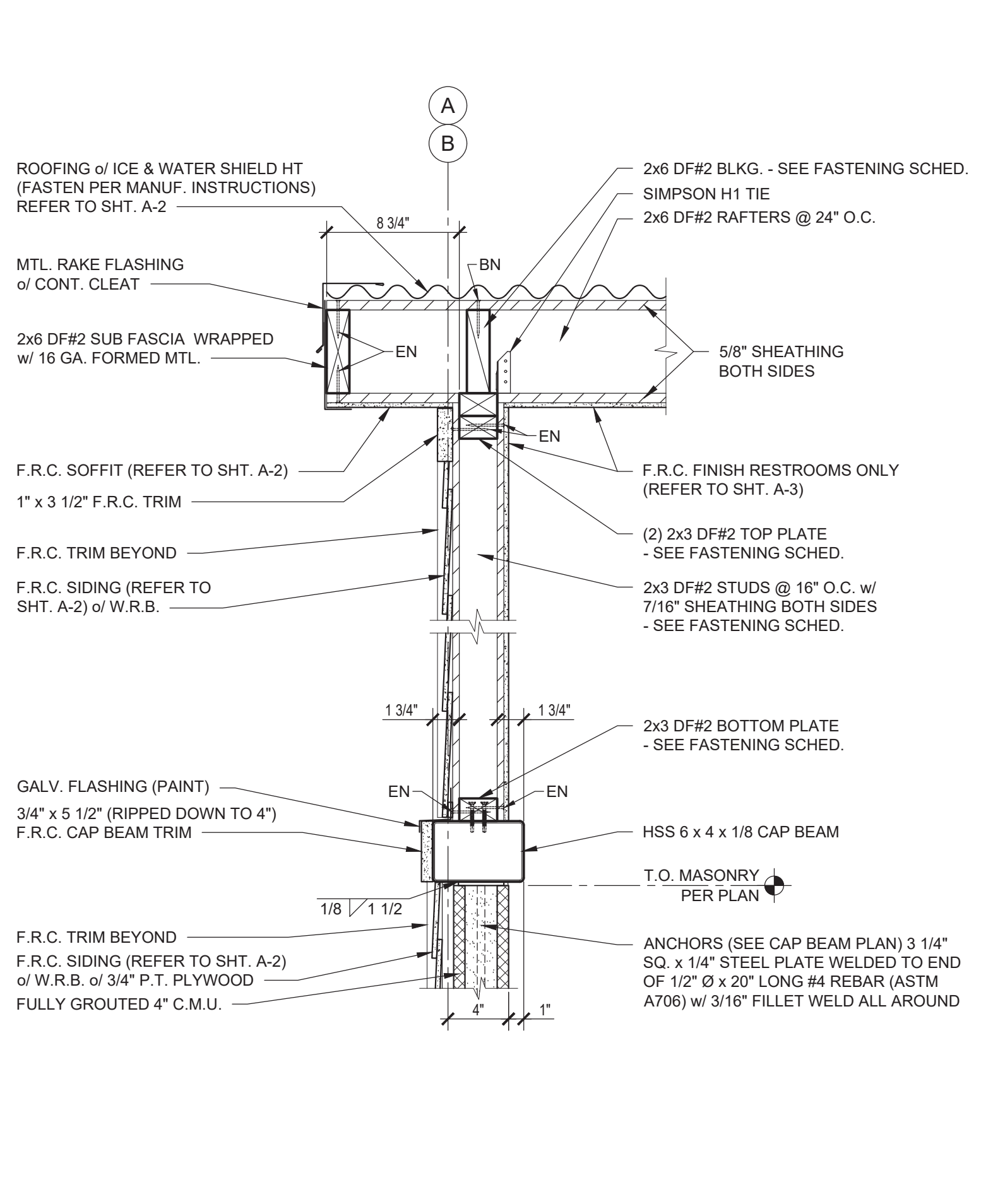


1 CONCRETE SLAB & C.M.U. WALL DETAIL
SCALE: 1"=1'-0"

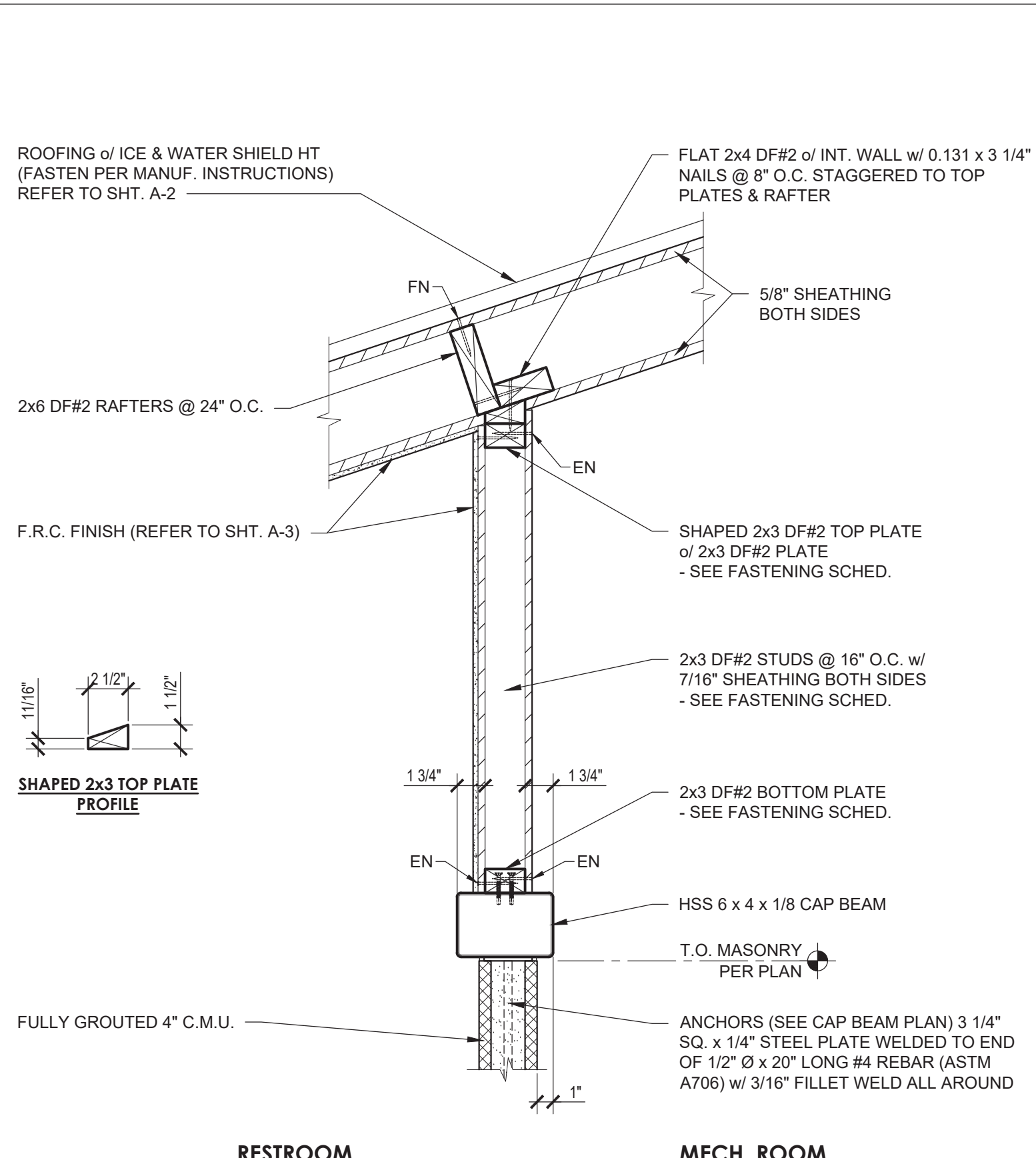


2 BASE OF EXTERIOR WALL DETAIL
SCALE: 3"=1'-0"

NOT USED

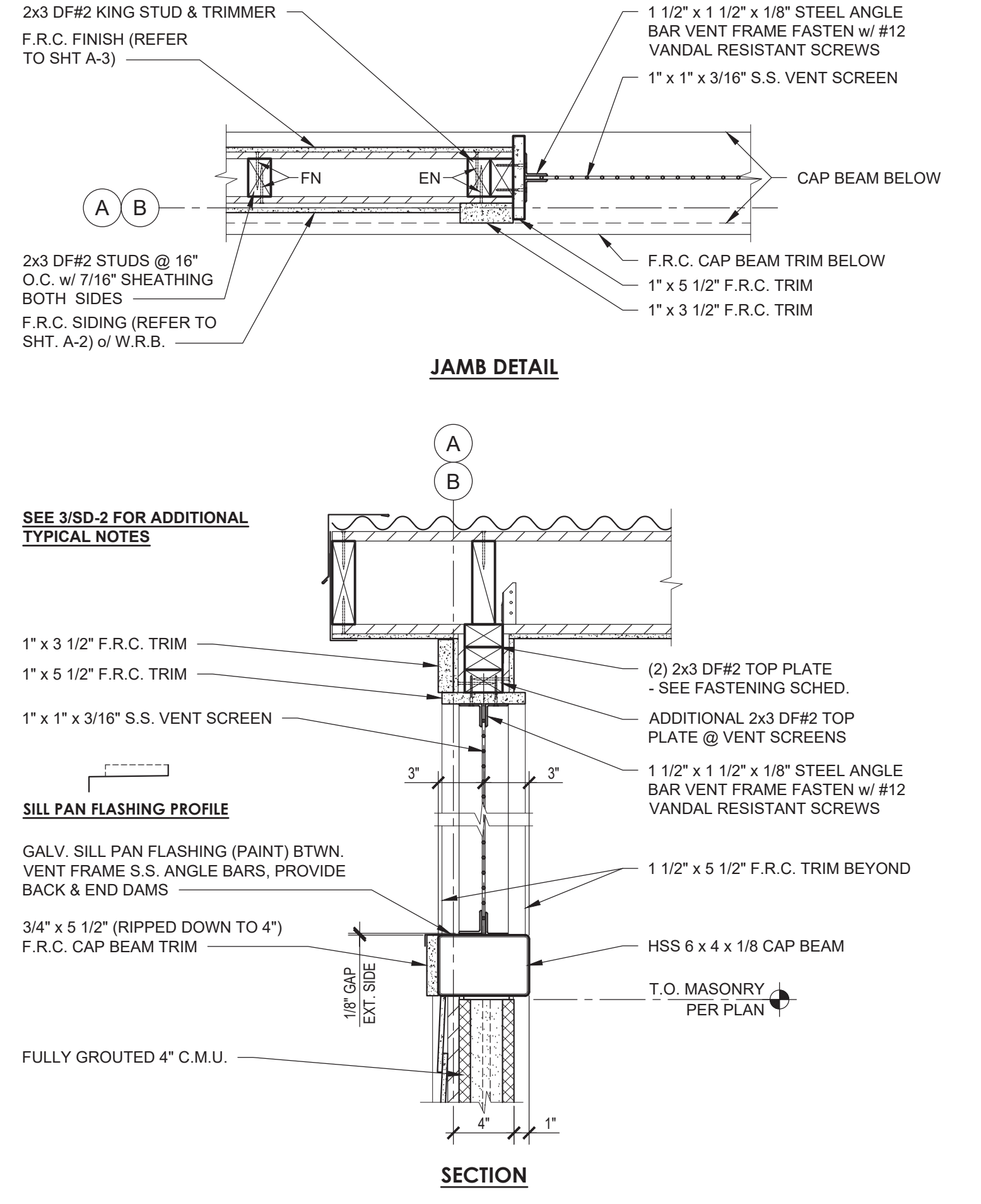


3 EXTERIOR WALL & ROOF FRAMING DET.
SCALE: 1 1/2"=1'-0"



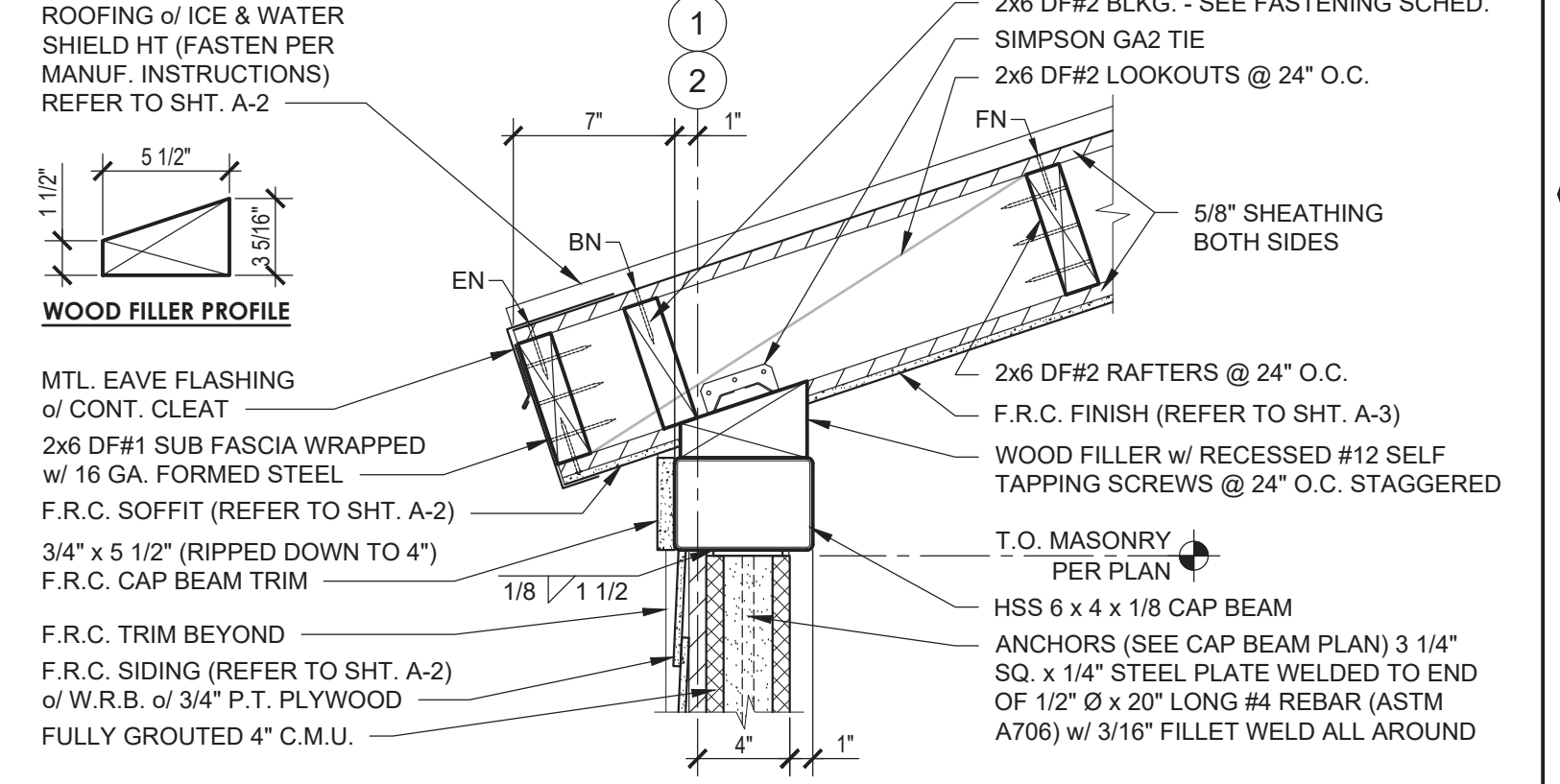
4 DEMISING WALL & ROOF FRAMING DET.
SCALE: 1 1/2"=1'-0"

NOT USED

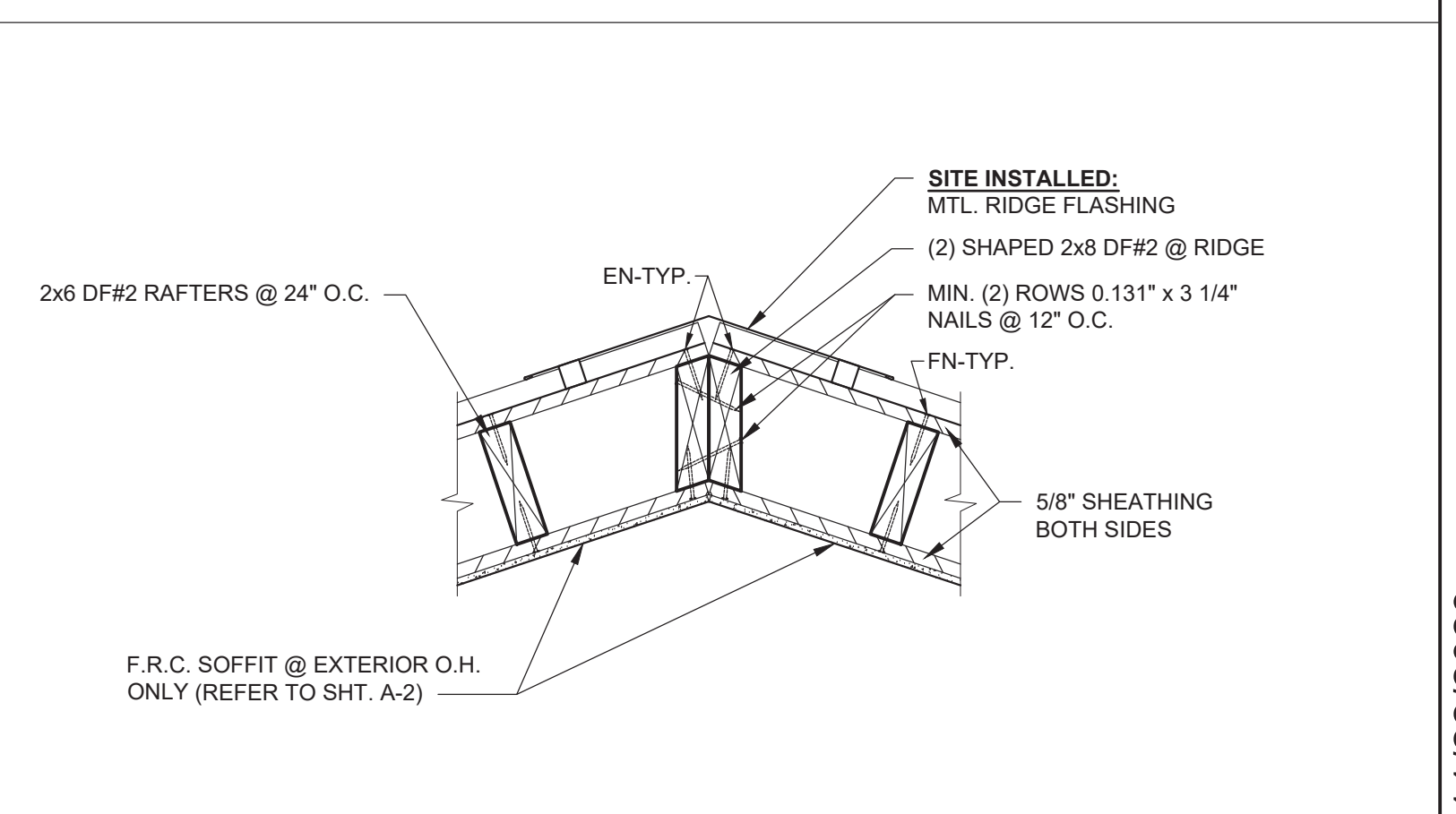


5 VENT SCREEN DETAILS
SCALE: 1 1/2"=1'-0"

NOT USED



6 EXTERIOR WALL & ROOF FRAMING DET.
SCALE: 1 1/2"=1'-0"



7 RIDGE DETAIL
SCALE: 1 1/2"=1'-0"

FASTENING SCHEDULE	
WOOD FRAMED WALLS	
STUDS TO TOP & BOTTOM PLATES	(2) 0.131" x 3 1/4" NAILS
DOUBLE TOP PLATES	(2) 0.131" x 3 1/4" NAILS @ 16" O.C.
SHEATHING (BOTH SIDES)	0.131" x 2 1/2" NAILS OR 16 GA. x 1 1/2" STAPLES (SENCO N17) @ 6" O.C EDGES 12" O.C. FIELD
BOTTOM PLATES & WOOD FILLERS TO CAP BEAM	#12 SELF TAPPING SCREWS CONFORMING TO ASTM C1513 OR EQUAL @ 12" O.C. STAGGERED & WITHIN 4" OF ENDS (ENSURE FULL THREAD ENGAGEMENT)
ROOF	
LOOKOUTS TO RAFTERS	(3) 0.131" x 3 1/4" NAILS, END GRAIN OR TOE NAILED
BLOCKING TO LOOKOUTS / RAFTERS	(4) 0.131" x 3 1/4" NAILS EACH END, END GRAIN OR TOE NAILED
SUB FASCIA TO RAFTERS / LOOKOUTS	(3) 0.131" x 3 1/4" END GRAIN NAILS
SHEATHING TO RAFTERS / LOOKOUTS (BOTH SIDES)	0.131" x 2 1/2" NAILS @ 6" O.C. EDGE, 12" O.C. FIELD

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 140771
Date Signed: Nov 22, 2023

ICC NTA, LLC, 305 N Oakland Ave
Naperville, Indiana 45500

DO NOT SCALE - DIMENSIONS PRESIDE
2x48 SHEET - SCALE AS NOTED
11x17 SHEET - NTS

No.	Description	Date

CONSTRUCTION DOCUMENTS
11/22/2023

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PROJECT OWNER:
ARKANSAS STATE PARKS
Arkansas, AR

PROJECT NAME AND LOCATION:
LAKE POINSETT STATE PARK
Harrisburg, AR

SHEET TITLE:
P.R.C. STANDARD DETAILS
& FASTENING SCHEDULE

Drawn by: PD Job No. 11662
Checked by: AS / DC
Current Date: 11/22/2023
Start Date: 09/18/2023

SD-1