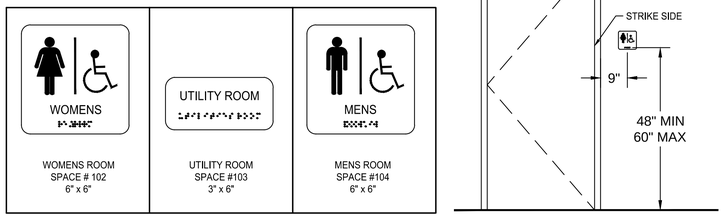
FALL CREEK FALLS STATE PARK

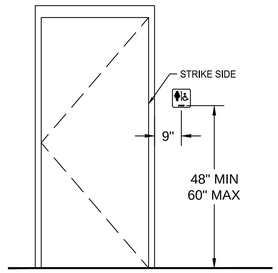
RESTROOM RENOVATIONS BUILDING "B"

PREPARED FOR:

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
TENNESSEE STATE PARKS

SIGNAGE SCHEDULE





ADA COMPLIANT
SIGNAGE MOUNTING HEIGHT

UNIT HEATER SCHEDULE

EQUIP. No.	UH # 1,2,3	UH # 4
TYPE	CLG MTD	CLG MTD
SERVICE	SEE PLANS	SEE PLANS
CAPACITY MBH	17.1	17.1
K.W.	5.0	5.0
VOLTAGE	208 / 1 / 60	208 / 1 / 60
BLOWER	----	----
TYPE	DIRECT	DIRECT
CFM	4.25	245
H.P.	NEG.	NEG.
VOLTAGE	208 / 1 / 60	208 / 1 / 60
CONTROL VOLT.	24V	24V
ACCESSORIES	NOTE 1,2	NOTE 1,2,4
SPACE T'STAT	-----	-----
MANUFACTURER	MARKEL	MARKEL
MODEL #	F3485	F3425

1. FLUSH MOUNTED WITH INTEGRAL DISCONNECT SWITCH. CEILING FIXTURES - SUPPORT FROM STRUCTURE ABOVE CEILING.
2. PROVIDE REMOTE PROGRAMABLE THERMOSTAT IN UTILITY ROOM WITH REMOTE SENSING BULB.
3. PROVIDE MOTOR STARTER WHERE REQUIRED OR NECESSARY.
4. PROVIDE WALL BRACKET.

EXHAUST FAN SCHEDULE

EQUIPMWENT No.	EF#1,2,3,4	- - -
TYPE	IN-LINE	- - -
SERVICE	SEE PLANS	- - -
CFM	900	- - -
STATIC PRESSURE	375"	- - -
SONES	3.8	- - -
HP	387 WATTS	- - -
VOLTAGE	120/1/60	- - -
ACCESSORIES	NOTE1,2	- - -
DAMPER TYPE	BACKDRAFT	- - -
SCREEN TYPE	- - -	- - -
MANUFACTURER	COOK	- - -
MODEL NUMBER	ON-840	- - -

1. PROVIDE FSC CONTROL AT FAN TO OBTAIN CFM.
2. INTERLOCK FAN WITH LIGHT.

FIXTURE CONNECTION SCHEDULE

P- #	DESCRIPTION	C.W. (IN.)	H.W. (IN.)	WASTE (IN.)	VENT (IN.)	NOTES
P-1	WATER CLOSET (WALL MOUNTED, HANDICAP ACCESSIBLE) (2)	1	-	4	2	1,2,5
P-2	WATER CLOSET (WALL MOUNTED) (2)	1	---	4	2	1,2,5
P-3	URINAL (2)	¾	---	4	2	1,2,5
P-4	LAVATORY (4)	½	½	1¼	1¼	1,2,3,5
---	- - -	---	---	---	---	---
P-6	FLOOR DRAIN - EXISTING TO REMAIN	---	---	---	---	---
P-7	- - -	---	---	---	---	---
P-8	WALL HYDRANTN (2)	¾	---	---	---	4,5

1. EQUALS BY ELJER, KOHLER, CRANE OR APPROVED EQUAL.
2. PROVIDE 18" HIGH AIR CHAMBERS.
3. PROVIDE INSULATE WASTE & WATER WITH TRUEBRO HANDI LAV-GUARD SYSTEM FOR ALL ACCESSIBLE LAVATORIES.
4. EQUALS BY ZURN, J.R. SMITH, WADE.
5. ALL FIXTURES TO BE APPROVED BY OWNER

PLUMBING FIXTURE SCHEDULE

P-1 WATER CLOSET (HANDICAP ACCESSIBLE)
AMERICAN STANDARD #3461.712, FLOOR MOUNTED AT 17" AFF, VITREOUS CHINA, 1-1/2" TOP-SPUD, ELONGATED RIM TOILET; ZURN 3ZEMS6153AV-HET-HW6-MJ SENSOR W/ CONCEALED FLUSH VALVE (1.28 GPF), PUSH BUTTON CANNOT BE MORE THAN 36" AFF; CENTOCO #500CCSS OPEN FRONT SEAT WITH COVER, ZURN #P6000-HW6 POWER CONVERTER.

P-2 WATER CLOSET
AMERICAN STANDARD #3451.712 FLOOR MOUNTED. VITREOUS CHINA, 1-1/2" TOP-SPUD, ELONGATED RIM TOILET; ZURN #ZEMS6153AV-HET-HW6-MJ SENSOR W/ CONCEALED FLUSH VALVE (1.28GPF) PUSH BUTTON CAN NOT BE MORE THAN 39" AFF; CENTOCO #5000CSS OPEN FRONT SEAT LESS COVER. ZURN #P6000-HWS POWER CONVERTER.

P-3 URINAL (WALL MTD, HANDICAP ACCESSIBLE)
AMERICAN STANDARD #6400.014 WALL-MOUNTED, VITREOUS CHINA, ¾" TOP SPUD, URINAL; ZURN #ZEMS8107AV-EWS-HW6-MJ SENSORN W/CONCEALED FLUSH VALVE(.5 GPF). MCGUIRE #H2133 STRAINER. ZURN #P6000-HW6 POWER CONVERTER.

P-4 LAVATORY (HANDICAP ACCESSIBLE)
AMERICAN STANDARD #0355.012 WALL MOUNTED AT 34" AFF VITREOUS CHINA WITH FLOOR MOUNTED WALL HANGER (PROVIDE ZURN #Z-1231-SL FOR 8" BLOCK WALL); ZURN #Z6915-XL-J-HW6-CWB-TMV-1 SENSOR FAUCET, POLISHED CHROME-PLATED, FAUCET HOLES 4" ON CENTER; MCGUIRE #155WC OFFSET HANDICAP GRID DRAIN, MCGUIRE#H-2165LK SUPPLY PIPES, STOP VALVES AND P-TRAP. ZURN #P6000-HW6 POWER CONVERTER, THERMOSTATIC MIXING VALVE.

P-5 NOT USED

P-6 FLOOR DRAIN
EXISTING TO REMAIIN.

P-7 NOT USED

P-8 WALL HYDRANT WITH BOX AND DOOR. PROVIDE VACUUM BREAKER WITH WALL HYDRANT.

OWNER / DEVELOPER

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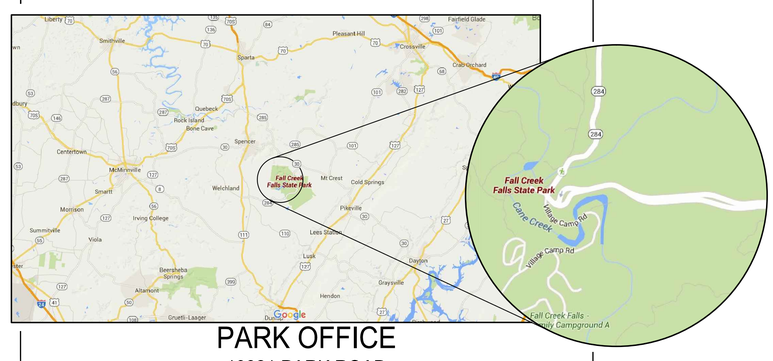
LOCATION MAP



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Sheet List Table

Sheet Number	Sheet Title
A0.00	COVER
A0.01	GENERAL NOTES
A0.02	SPECIFICATIONS 1
A0.03	SPECIFICATIONS 2
A1.1B	DEMO PLAN - ELEV - NOTES - DOOR SCHED
A2.1B	FLR PLAN - ELEV - NOTES - DOOR SCHED

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MATTHEW J. CRAMER
No. 102459
STATE OF TENNESSEE
3/21/16

RESTROOM RENOVATIONS BLDG "B"
FALL CREEK FALLS STATE PARK
TENNESSEE DEPARTMENT OF CONSERVATION AND ENVIRONMENT
SPENCER

REVISIONS

NO.	DATE	COMMENTS
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SHEET TITLE
COVER SHEET

PROJECT NO. 15200.06	DATE 03-21-2016
DRAWN BY BM	SCALE VARIES
CHECKED BY MC	
SHEET NO. A0.00	

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CODE REVIEW

I. APPLICABLE CODES
SEE CODE REFERENCE CHART BELOW
II. OCCUPANCY TYPES (2012 IBC) - RENOVATION OF EXISTING BUILDING
A. BUSINESS GROUP B

B. BUILDING HEIGHT (IBC TABLE 503):
ALLOWED - UNLIMITED (IBC TABLE 503)
EXISTING CONDITION - 16'-8" APPROX, 1 STORIES (UNMODIFIED)

C. BUILDING AREA (IBC TABLE 503):
ALLOWED - UNLIMITED (IBC SECTION 507.3)
REQUIRED & PROVIDED - UNSPRINKLED, UNPROTECTED
GENERAL AREA BREAKOUT
EXISTING BUILDING AREA - 961 SF (APPROX.)

D. NUMBER OF STORIES: (IBC TABLE 503)
ALLOWED - 2 (IBC TABLE 503)
PROVIDED - 1 STORY (EXISTING CONDITION & UNMODIFIED)

III. CONSTRUCTION TYPE:
A. TYPE V (B) UNPROTECTED
B. CLIMATE ZONE CLASSIFICATION (IECC FIGURE 301.1) - 4

IV. CONSTRUCTION REQUIREMENTS (IBC TABLE 601)
A. EXTERIOR BEARING WALLS: 0 HR.
B. INTERIOR BEARING WALLS: 0 HR.
C. INTERIOR NONBEARING PARTITIONS: ANY ALLOWED CONSTRUCTION
D. STRUCTURAL FRAME COLUMNS, GIRDERS, TRUSSES: 0 HR. W/ SPRINKLER
E. FLOORS AND FLOOR/CEILING CONSTRUCTION: 0 HR.
G. ROOFS AND ROOF/CEILING CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS: 0 HR.
H. EXTERIOR WALLS: 0 HR.
1. THIS PROJECT HAS MORE THAN 30 FT SEPARATION BETWEEN BUILDINGS.

V. LIFE SAFETY CONSIDERATIONS
A. ALLOWED OCCUPANT LOAD (IBC TABLE 1004.1.1/LSC 8-1.7)
1. BUSINESS (NEW CONSTRUCTION - TABULATED)
961 SF/100 SF = 10 OCCUPANTS
B. TRAVEL DISTANCE (IBC TABLE 1016.1): 100 FT. MAX. ALLOWED WITH-OUT SPRINKLER.
1. - MAX PROVIDED: 34'
C. EGRESS PASSAGEWAY WIDTH (IBC TABLE 1005.1): 23" MIN.
D. EXIT DOOR CLEAR OPENING (IBC 1008.1.1): 32 IN. MINIMUM "ACTUAL" MINIMUM FOR ANY 1 DOOR USED = 34"

VI. ADDITIONAL REQUIREMENTS
A. PARTITION RATING: CORRIDORS 0 HR.
B. FINISHES RATINGS (MIN):

FLAME SPREAD	CLASS B (TENANT & COMMON)
EXIT PASSAGEWAY	CLASS B
CORRIDORS	CLASS C

LEGEND / SYMBOLS

- 4.1 — COLUMN LINE
- 9'-4" — DIMENSION LINE (NOMINAL, UNO)
- ROOM NAME — PRO-SHOP
- 1 — ROOM TAG
- ROOM # — CJ — CONTROL JT. — CMU WALL
- XX / A3.XX — DETAIL SECTION REFERENCE CUT
- XX / A3.XX — BUILDING/WALL SECTION REFERENCE CUT
- 4 / A3 — EXT. ELEVATION REFERENCE
- X / AX.XX — LARGE SCALE DETAIL REFERENCE MARK
- C1 — REVISION

GENERAL BUILDING NOTES

1. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, OBTAIN CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING W/ CONSTRUCTION.

2. THE BUILDING LAYOUT SHALL BE BASED ON THE ARCHITECTURAL DRAWINGS AND COORDINATED WITH THE ARCHITECT. THE CONTRACTOR SHALL CHECK ALL GRADES AND FINAL DIMENSIONS "IN THE FIELD" AND REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.

3. BUILDING MATERIALS CONTAINING ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE PROHIBITED ON THIS PROJECT.

4. ALL MATERIALS PROVIDED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION AND AS PER CODE REQUIREMENTS. IF ARCHITECT'S RECOMMENDATIONS CONFLICT WITH THE MANUFACTURER'S AND CODE'S, NOTIFY ARCHITECT BEFORE PROCEEDING.

5. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL MEET ALL APPLICABLE BUILDING CODES, AND THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.

6. ITEMS REQUIRING FINISH SELECTIONS THAT DO NOT APPEAR IN THE DOCUMENTS SHALL BE SELECTED FROM MANUFACTURER'S PREMIUM COLOR SELECTIONS AS SELECTED BY THE ARCHITECT.

7. THE DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED OF EQUAL VALUE. WHERE THERE IS A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, CONTACT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING. FOR BIDDING PURPOSES USE THE MORE COSTLY OPTION.

8. ALL STUD SPACING TO BE 16" O.C. UNLESS OTHERWISE INDICATED. INTERIOR DIMENSIONS ARE FROM FINISH FACE TO FACE OF CMU MASONRY WALLS, U.N.O.

9. MISCELLANEOUS BLOCKING, FRAMING, FASTENERS, WIRING, ETC. NOT SPECIFICALLY CALLED OUT IN THE PROJECT DOCUMENTS, BUT REQUIRED FOR ASSEMBLY OR PRODUCT INSTALLATION, SHALL BE PROVIDED BY THE CONTRACTOR.

10. THE CONTRACTOR IS REQUIRED TO PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT TO "FULLY" CONSTRUCT THE PROJECT, WHETHER SPECIFICALLY DETAILED OR IMPLIED. IF THE CONTRACTOR, AFTER REVIEW OF THE DRAWINGS, NEEDS ADDITIONAL INFORMATION OR CLARIFICATION, CONTACT THE ARCHITECT BEFORE SUBMITTING CONSTRUCTION COST, SUBMITTING A BID, OR PROCEEDING W/ THE WORK.

11. THE CONTRACTOR IS SOLEY RESPONSIBLE FOR JOB SITE SAFETY DURING CONSTRUCTION.

12. DISPOSE OF WASTE MATERIAL IN A LEGALLY APPROVED DUMP SITE. ONCE WASTE MATERIAL LEAVES THE JOB SITE IT BECOMES THE PROPERTY OF THE CONTRACTOR. NO BURNING OF DEBRIS SHALL BE ALLOWED UNLESS APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

13. CONTRACTOR SHALL KEEP ALL ADJACENT STREETS FREE OF DEBRIS, MUD, GRAVEL, ETC. OR ANY ITEMS WHICH MAY CAUSE MOTORIST DIFFICULTIES.

14. CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANIES CONCERNING SCHEDULING AND PLACEMENT OF UTILITY COMPANY PROVIDED ITEMS SUCH AS SEWER LINES, TRANSFORMERS, POWER POLES, FIRE HYDRANTS, BACK FLOW PREVENTERS, ETC. BEFORE STARTING CONSTRUCTION.

15. PROVIDE POSITIVE DRAINAGE AT WALKS, STEPS AND LANDINGS. THERE SHALL BE NO PONDING OF WATER ON FINISHED SURFACES.

16. CONTRACTOR SHALL VERIFY LOCATION OF ALL EASEMENTS, SETBACKS, ROW AND PROPERTY CORNERS BEFORE STARTING CONSTRUCTION.

17. ALL H.C. SINKS AND LAVATORIES SHALL BE MOUNTED TO ALLOW A 4" MINIMUM CLEARANCE BETWEEN SIDE OF SINK AND ADJACENT WALL AS REQUIRED.

18. ALL WATER CLOSETS SHALL BE MOUNTED TO ALLOW 18" BETWEEN ADJACENT SIDE WALL AND CENTER LINE OF WATER CLOSET IN INDIVIDUAL TOILET ROOMS. IN TOILET STALLS, CENTER WATER CLOSET IN STALL.

19. ELECTRICAL BOXES LOCATED ON OPPOSITE SIDES OF WALLS OR PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES MINIMUM FOR SOUND ATTENUATION.

20. ROUGH FINISHING AND "OVER" CUTS AROUND ELECTRICAL OUTLETS WILL NOT BE ACCEPTED.

21. INTERIOR DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH , U.N.O.

22. ALL INTERIOR FIRE RATED PARTITIONS SHALL EXTEND TIGHT TO STRUCTURE ABOVE AND SHALL TERMINATE AT EXTERIOR SHEATHING. NON-FIRE RATED PARTITIONS SHALL BUTT INTO FACE OF FIRE RATED PARTITION SO THAT FIRE RATING INTEGRITY IS MAINTAINED. SEAL ALL PENETRATIONS WITH APPROPRIATE RATED ASSEMBLIES TO MAINTAIN THE FIRE RATING OF THE INDIVIDUAL PARTITIONNS OR WALLS.

23. ALL PARTITIONS ON THIS PROJECT EXTEND FROM THE FLOOR SLAB AND UPWARD TO THE FLOOR OR ROOF DECK ABOVE UNLESS INDICATED OTHERWISE. ACOUSTICAL SOUND ATTENUATION RATINGS ARE A REQUIREMENT WITHIN MANY OF THE WALL ASSEMBLIES AND MUST BE ADHERED TO. CONNECTIONS OF THE WALLS TO THE DECK, TO ADJACENT WALLS AND THE PENETRATIONS THROUGH THESE WALLS SHALL BE PROPERLY SEALED SO AS TO NOT NEGATE THESE SOUND TRANSMISSION ATTENUATION REQUIREMENTS.

24. ELECTRICAL PANELS, FIRE EXTINGUISHER CABINTES, ETC. LOCATED IN RATED PARTITIONS SHALL BE BACKED WITH TYPE-X DRYWALL ON FIVE SIDES TO MAINTAIN RATING.

25. CONTACT THE BUILDING OFFICIALS AND FIRE DEPARTMENT FOR SCHEDULING OF ALL REQUIRED FIELD INSPECTIONS.

26. THE GENERAL CONTRACTOR IS REQUIRED TO CAREFULLY REVIEW ALL SHOP DRAWINGS, COORDINATE DIFFERENT SUBMITTALS FROM DIFFERENT TRADES, VERIFY EACH FOR COMPLETE DIMENSIONS, DETAIL REFERENCES AND OTHER FACTORS THAT MAY IMPACT THE TOTAL PROJECT. THE CONTRACTOR IS REQUIRED TO "FILL-IN" AND CALCULATE MISSING SHOP DRAWING REQUESTED INFORMATION AND DIMENSIONS PER HIS OR HER BEST UNDERSTANDING. THE ARCHITECTURAL AND CONSULTANT'S REVIEW WILL ONLY BE FOR "DESIGN INTENT" AND "VERIFICATION" OF THE SUPPLIED INFORMATION BY BOTH THE VENDOR, SUB AND GENERAL CONTRACTOR. SHOP DRAWINGS SUBMITTED BY THE GENERAL CONTRACTOR THAT INDICATE ONLY "ACKNOWLEDGMENT" OR SIMILAR LANGUAGE WILL BE REJECTED AND MARKED FOR RESUBMIT.

27. THESE CONTRACT DOCUMENTS (DRAWINGS AND PROJECT MANUAL/ SPECIFICATIONS) ARE TO BE CONSIDERED AS A "WHOLE" ENTITY. ANY CONTRACTOR, SUBCONTRACTOR, OR VENDOR THAT CHOOSES TO UTILIZE ONLY A "PORTION" OF THE DOCUMENTS TO BID, CONSTRUCT, OR SUPPLY MATERIAL FOR THE PROJECT SHALL ASSUME FULL RESPONSIBILITY FOR RELATED ITEMS THAT MAY BE CONTAINED ELSEWHERE IN THE DOCUMENTS. THE OWNER WILL GRANT NO ADDITIONAL TIME OR COST FOR CONSEQUENCES THAT MAY RESULT.

28. ALL EXPOSED TO VIEW SURFACE TO RECEIVE FINISH AS SCHED.

GENERAL BUILDING NOTES CONTINUED

28. THE BUILDING DESIGN IS DESCRIBED IN THE CONSTRUCTION DOCUMENTS WHICH INCLUDE, BUT ARE NOT LIMITED TO THESE "DRAWINGS" WITH GRAPHIC DEPICTIONS OF THE CONSTRUCTION, NOTES, & DIMENSIONS AS APPROPRIATE, AND THE PROJECT MANUAL WHICH INCLUDES THE GENERAL & TECHNICAL SPECIFICATIONS AND THE SCHEDULES (AND MAY ALSO BE REFERRED TO AS "THE SPECS" OR "THE SPECIFICATIONS"). THESE TWO DOCUMENTS ARE DEPENDANT ON EACH OTHER AND SHALL BE UTILIZED BY THE CONTRACTOR AS THE INITIAL SET OF CONSTRUCTION DOCUMENTS (ADDENDA, SUPPLEMENTARY DRAWINGS, FIELD REVISIONS, AND OTHER DOCUMENTS DURING THE CONSTRUCTION PROCESS SHALL BE TRANSMITTED AS THEY BECOME RELEVANT.) THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK UNTIL HAVING A CLEAR UNDERSTANDING OF THE COMPLETE PACKAGE OF DRAWINGS AND SPECS AS LISTED IN THE PROJECT MANUAL IN THE TABLE OF CONTENTS-000100 AND THE DRAWINGS INDEX-000100.

29. SLOPE INTERIOR FLOOR AS SHOWN ON PLANS 1/8" PER FOOT MINIMUM. THIS APPLIES TO ALL CONCRETE FLOORING AND FLOOR TILE FINISHES.

30. THE FLOOR LEVEL ON BOTH SIDES OF ALL DOORS SHALL BE LEVEL FOR THE WIDTH OF THE DOOR.

31. ALL DOOR FRAMES, WHICH ARE INTENDED TO HAVE A DOOR WITH A SWING GREATER THAN 90 DEGREES, SHALL BE SET BACK 1/4" FROM THE EXTERIOR WALL FACE ON THE SWING SIDE.

32. CONTRACTING PARTIES SHALL APPROVE THE SUBSTRATES PREPARED FOR THEIR SYSTEM INSTALLATIONS PRIOR TO BEGINNING THE INSTALLATION OF THEIR SYSTEMS. THEY SHALL REPORT ALL DEFICIENCIES TO THE SUPERINTENDANT, THE GC, AND TO THE ARCHITECT; UPON COMMENCING WITH THE INSTALLATION OF THEIR SYSTEM OVER A SUBSTRATE PREPARED BY THEMSELVES, ANOTHER COMPANY, OR ANOTHER PERSON, (SUB)CONTRACTOR(S) SHALL, BY DEFINITION, BE DEEMED TO HAVE THOROUGHLY INSPECTED AND FORMALLY APPROVED AND ACCEPTED ALL SUBSTRATES OVER WHICH HE INSTALLS HIS SYSTEM(S). THE GC SHALL ALLOW THE NECESSARY TIME IN THE SCHEDULE FOR SUBCONTRACTORS TO INSPECT SAID SUBSTRATES.

33. PROVIDE MANUFACTURERS STANDARD TRANSITION STRIPS BETWEEN DISSIIMILAR FLOORING MATERIALS - CARPET TO VCT. PROVIDE MARBLE TRANSITION THRESHOLD BETWEEN VCT AND CERAMIC FLOOR TILE. ALL TRANSITIONS BETWEEN DISSIMILAR TO BE ALIGNED UNDER THE DOOR LOCATION.

ABBREVIATIONS ** ALWAYS IMPLIED IF NOT NOTED OTHERWISE

A.B. - ANCHOR BOLTS
ABV. - ABOVE
A.C.T. - ACOUSTICAL CEILING TILE
ADA - AMERICANS WITH DISABILITIES ACT
A.F.F. - ABOVE FINISHED FLOOR
ALUM. - ALUMINUM
BLK('NG.) - BLOCK(ING)
BM. - BEAM
BOT. - BOTTOM
C.C. - CENTER TO CENTER
CL- CENTER LINE
CLG. - CEILING
CMU - CONCRETE MASONRY UNIT
CONC. - CONCRETE
CONT. - CONTINUOUS
COORD. - COORDINATE
D.F. - DRINKING FOUNTAIN
D.S. - DOWNSPOUT
EA. - EACH
EQP. - EQUIPMENT
E.W.C. - ELECTRIC WATER COOLER
F.D. - FLOOR DRAIN
F.E. - FIRE EXTINGUISHER
FIN. - FINISH
FLR. - FLOOR
FT. - FEET
FTG. - FOOTING
F-TRT'D - FIRE TREATED
G.B. - GLASS BLOCK
GSQ. FT. - GROSS SQUARE FEET
H.C. - HANDICAPPED
H.M. - HOLLOW METAL
HORIZ. - HORIZONTAL
HT. - HEIGHT
JST. - JOIST
LTR. - LETTER
MANUF. - MANUFACTURER
MAX. - MAXIMUM
MIN. - MINIMUM
M.O. - MASONRY OPENING
MTD. - MOUNTED
N.I.C. - NOT IN CONTRACT
N.T.S. - NOT TO SCALE
O.C. - ON CENTER
O.F.C.I. - OWNER FURNISHED, CONTRACTOR INSTALLED**
O.F.O.I. - OWNER FURNISHED, OWNER / VENDOR INSTALLED
O.F.E. - OWNER FURNISHED EQUIPMENT
PLYW'D - PLYWOOD
P.T. - PRESSURE TREATED
RCP - REFLECTED CEILING PLAN
REQ'D. - REQUIRED
REINF. - REINFORCING
SHT. - SHEET
SIM. - SIMILAR
SQ. - SQUARE
S.S. - STANDING SEAM
ST. STL. - STAINLESS STEEL
STL. - STEEL
T.O. - TOP OF
TEMP. - TEMPERED
TLT. - TOILET
TRT'D - TREATED
TYP. - TYPICAL
U.G. - UNDERGROUND
U.N.O. - UNLESS NOTED OTHERWISE
W/ - WITH
WC - WATER CLOSET
WD. - WOOD
VERT. - VERTICAL

CODE REFERENCE JURISTICTION - VAN BUREN COUNTY, TN

LTR.	NAME OF CODE	DESCRIPTION
A	2012 INTERNATIONAL BUILDING CODE (IBC)	ALL CONSTRUCTION, ALTERATIONS, MOVEMENT, ENLARGEMENT, REPLACEMENT, AND REPAIR SHALL BE IN ACCORDANCE WITH ALL CURRENT EDITIONS AND REVISIONS, AND ALL LOCAL CODES.
B	2008 EDITION NATIONAL ELECTRICAL CODE (NEC)	ALL INSTALLATION OF ELECTRICAL SYSTEMS SHALL COMPLY, INCLUDING ALTERATIONS, REPAIRS, REPLACEMENT, EQUIPMENT, APPLIANCES, FIXTURES AND FITTINGS
C	2012 INTERNATIONAL FUEL GAS CODE	ALL INSTALLATIONS OF GAS SYSTEMS SHALL COMPLY INCLUDING GAS PIPING FROM POINT OF DELIVERY AND GAS APPLIANCES.
D	2012 INTERNATIONAL MECHANICAL CODE	ALL INSTALLATIONS OF MECHANICAL SYSTEMS SHALL COMPLY INCLUDING ALTERATIONS, REPAIRS REPLACEMENT OF MECHANICAL SYSTEMS.
E	2012 INTERNATIONAL PLUMBING CODE	ALL INSTALLATIONS OF PLUMBING SYSTEMS SHALL COMPLY INCLUDING ALTERATIONS, REPAIRS, REPLACEMENT, EQUIPMENT, APPLIANCES, FIXTURES AND FITTINGS.
F	2012 INTERNATIONAL FIRE CODE WITH LOCAL AMENDMENTS	ALL CONSTRUCTION, ALTERATIONS, MOVEMENT, ENLARGEMENT, REPLACEMENT, AND REPAIR SHALL BE IN ACCORDANCE WITH ALL CURRENT EDITIONS AND REVISIONS, AND ALL LOCAL CODES
G	HANDICAP ACCESSIBILITY CODE - 2012 IBC CHAPTER 11 AND ICC A117.1	ALL CONSTRUCTION, ALTERATIONS, MOVEMENT, ENLARGEMENT, REPLACEMENT, AND REPAIR SHALL BE IN ACCORDANCE WITH THIS STANDARD UNLESS IT FALLS UNDER THE FAIR HOUSING ACT.
H	2009 INTERNATIONAL ENERGY CONSERVATION CODE WITH LOCAL AMENDMENTS	ALL CONSTRUCTION, ALTERATIONS, MOVEMENT, ENLARGEMENT, REPLACEMENT, AND REPAIR SHALL BE IN ACCORDANCE.
I	NFPA 101 LIFE SAFETY CODE ????	

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RESTROOM RENOVATIONS BLDG "B"
FALL CREEK FALLS STATE PARK
TENNESSEE DEPARTMENT OF CONSERVATION AND ENVIRONMENT
SPENCER TENNESSEE 38585

REVISIONS

NO.	DATE	COMMENTS
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SHEET TITLE
CODES
GENERAL NOTES

PROJECT NO. 15200.06	DATE 03-21-2016
DRAWN BY BM	SCALE VARIES
CHECKED BY MC	
SHEET NO. A0.01	

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PROJECT SPECIFICATIONS

SECTION 010600 REGULATORY REQUIREMENTS

1.1 REFER TO DRAWING A0.0 FOR ALL APPLICABLE AND GOVERNING CODES.

1.1.1 CONTRACTOR SHALL PAY, CONTRACT FOR & PROVIDE ALL NECESSARY TESTING.
1.1.2 COPY A/E AND CM WITH ALL TEST RESULTS.

SECTION 013000 SUBMITTALS

1.1 SUBMIT ALL SUBMITTALS W/IN SIXTY (60) DAYS OF NOTICE TO PROCEED.

1.2 CONTRACTOR SHALL VERIFY EACH SUBCONTRACTOR'S SAMPLES, SHOP DRAWINGS & OTHER I TEMS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS & SHALL FORWARD TO THE A/E w/ THE FOLLOWING:
1.2.1 PROJECT NAME
1.2.2 DATE SUBMITTED
1.2.3 IDENTIFY SPECIFICATION NO.
1.2.4 SUBCONTRACTOR'S, SUPPLIERS, MFR.'S NAME & CONTACT INFO.
1.2.5 NOTIFICATIONS OF DEVIATIONS FROM CONTRACT DOCUMENTS
1.2.6 CONTRACTOR'S STAMP & REVIEW DATA
1.2.7 MSDS SHEETS FOR PRODUCTS & COMPONENTS (OSHA 1910.1200,8-24, 1987) FOR ALL 'HAZARDOUS' CONSTRUCTION PRODUCTS.
1.2.8 MANUFACTURER'S INSTALLATION INSTRUCTIONS INCLUDING PREPARATION BY OTHERS
1.2.9 MANUFACTURER'S PROTECTION REQUIREMENTS MANUFACTURER'S MAINTENANCE INSTRUCTIONS
1.2.10 PRODUCT DATA, ILLUSTRATIONS, STD. SCHEDULES, DIMENSIONS, DIAGRAMS, COMPLIANCE w/ REF. STDS. (ASTM, UL)
1.2.11 REQUIRED CLEARANCE DIMENSIONS, WIRING & CONTROL DIAGRAMS
1.2.12 NOTE VARIANCES INCLUDING PIPING AND CONTROLS
1.2.13 WORKMANSHIP, COLORS, TEXTURES & FINISHES TO ESTABLISH STDS. FOR WORK.

1.3 SUBMITTALS DIRECT FROM SUBCONTRACTORS WILL BE RETURNED w/o ACTION THIS MEANS THEY WILL NOT BE REVIEWED OR APPROVED.

1.4 CONTRACTOR APPROVAL REPRESENTS DETERMINATION OF FIELD MEASUREMENTS, FIELD CONSTRUCTION CRITERIA, MATERIALS, CATALOG DATA & NO.s, AND CHECKING & COORDINATION w/ CONTRACT DOCUMENTS.

1.5 A/E REVIEWS FOR CONFORMANCE w/ DESIGN CONCEPT AND NOT ASSEMBLY IN WHICH THE ITEM(S) FUNCTION(S). REVIEW DOES NOT RELIEVE CONTRACTOR OF CONTRACT COMPLIANCE RESPONSIBILITY.

1.6 A/E NOTATIONS DO NOT IMPLY EITHER A REQUEST FOR OR APPROVAL TO CHANGE THE CONTRACT.

1.7 SUBMIT ELECTRONIC, ONE OF WHICH WILL BE RETAINED BY THE A/E. REVIEWED COPIES WILL BE RETURNED TO THE CONTRACTOR. ADDITIONAL COPIES SHALL BE MADE FROM THE RETURNED COPY.

1.8 MAINTAIN ONE SET OF REVIEWED SHOP DRAWINGS IN SITE AT ALL TIMES.

1.9 CONTRACTOR TO MARK AND IDENTIFY MATERIAL AND FINISHES COLOR SELECTION ON
SUBMITTALS. UN-MARKED SUBMITTAL WILL NOT BE REVIEWED AND WILL BE RETURNED TO GC FOR CORRECTION

SECTION 014000 QUALITY CONTROL & TESTING LABORATORY SERVICES

1.1 INCLUDE INSPECTIONS, TESTS & RELATED ACTION BY INDEPENDENT AGENCIES GOVERNING AUTHORITIES, AS WELL AS DIRECTLY BY THE CONTRACTOR.
1.2 ACTIONS OF THIS SECTION & CONTRACT DOCUMENTS ARE NOT INTENDED TO LIMIT CONTRACTOR'S QUALITY CONTROL PROCEDURES, WHICH FACILITATE COMPLIANCE w/ THE CONTRACT DOCUMENTS.
1.3 THE CONTRACTOR SHALL EMPLOY & PAY FOR SERVICES OF INDEPENDENT TESTING LAB(S) TO PERFORM SPECIFIED SAMPLING & TESTING SERVICES:

1.3.1 THOSE REQUIRED BY LAW, ORDINANCE, REGULATIONS & ORDERS OF PUBLIC AGENCIES, & THE CONTRACT DOCUMENTS.

1.3.2 CERTIFICATION OF PRODUCTS & MILL TEST REPORTS

1.3.3 TEST, ADJUST & BALANCE OF EQUIPMENT.

1.3.4 INSPECT, SAMPLE & TEST CONCRETE

1.4 FAILED RETESTS ARE AT THE CONTRACTOR'S EXPENSE.

1.5 COOPERATE w/ INDEPENDENT AGENCIES PERFORMING REQUIRED TEST & PROVIDE REASONABLE ACCESS TO WORK & ASSISTANCE IN TAKING SAMPLES, DELIVERY TO TEST LABS & SECURITY & PROTECTION OF SAMPLES AT PROJECT SITE.
1.6 SPECIFIC SAMPLING & TESTING AS REQUIRED PER SPECIFIC TRADE INSTALLATION AS HANDLED BY THE OWNER.

1.7 SUBMIT 3 COPIES OF REPORT OF CERTIFICATE OF CALIBRATION & REPORT OF INSPECTION OF FACILITIES MADE BY MATERIAL REFERENCE LABORATORY OF NATIONAL BUREAU OF STANDARDS, w/ EMO OF REMEDIES REPORTED BY INSPECTION., WHEN REQUIRED.

1.8 INCLUDE THE FOLLOWING ON SUBMITTED REPORTS:

1.8.1 DATE ISSUED/DATE OF SAMPLING/DATE OF TEST
1.8.2 PROJECT NAME & NUMBER
1.8.3 TESTING LAB NAME & ADDRESS
1.8.4 NAME & SIGNATURE OF INSPECTOR
1.8.5 RECORD OF TEMPERATURE & WEATHER
1.8.6 I.D. OF PRODUCT AND SPECIFICATION
1.8.7 LOCATION WITHIN THE PROJECT
1.8.8 TYPE OF INSPECTION OR TEST
1.8.9 OBSERVATIONS REGARDING COMPLIANCE w/ CONTRACT DOCUMENTS

SECTION 016000 PRODUCTS

1.1 DO NOT ASSUME MATERIAL, EQUIPMENT OR METHODS WILL BE APPROVED AS EQUIVALENT UNLESS A/E EXPRESSLY ACCEPTED IN WRITING DURING BIDDING.
1.2 INSTALL PRODUCTS, EQUIPMENT, & SYSTEMS IN ACCORDANCE w/ MFR'S PRINTED DIRECTIONS.
1.3 THE OWNER AND THE OCCUPANTS OF THE ADJACENT BUILDING ARE NOT RESPONSIBLE FOR DELIVERIES RELATED TO THE CONSTRUCTION CONTRACT; THEY CAN NOT SIGN FOR CONTRACTOR DELIVERIES.
1.4 CONTRACTOR SHALL TAKE SUFFICIENT MEASURES TO PROTECT CONSTRUCTION UNTIL SUBSTANTIAL COMPLETION. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL STORED AND INSTALLED.
1.5 THE OWNER'S WARRANTY PERIOD STARTS WITH THE ISSUANCE OF THE CERTIFICATE OF SUBSTANTIAL COMPLETION.

SECTION 017000 PROJECT CLOSEOUT

1.1 SUBMIT SPECIFIC WARRANTIES/WORKMANSHIP/MAINTENANCE BONDS MAINTENANCE AGREEMENTS, & FINAL CERTIFICATIONS AS REQUESTED.

1.2 OBTAIN & SUBMIT USE & OCCUPANCY PERMIT FOR FULL & UNRESTRICTED USE.

1.3 PROVIDE PUNCH LIST OF INCOMPLETE ITEMS TO A/E PRIOR TO PROJECT REVIEW.
1.4 SUBMIT MARKED-UP DRAWINGS INDICATING INSTALLER'S DEVIATIONS FROM CONTRACT DOCUMENTS. EACH DRAWING SHALL BE LABELED 'PROJECT RECORD DRAWING', DATED AND SIGNED BY THE CONTRACTOR.

1.5 CONTRACTOR SHALL CERTIFY IN WRITING AND :

1.5.1 A CERTIFICATION OF CODE COMPLIANCE
1.5.2 A CERTIFICATION THAT NO ASBESTOS CONTAINING MATERIAL WAS INCORPORATED INTO THE WORK. OF CODE COMPLIANCE
1.5.3 A CERTIFICATION THAT THE PROJECT RECORD DRAWINGS SHOW COMPLETE & ACCURATE AS-BUILT CONDITIONS INCLUDING w/OUT. LIMITATION, SIZES, KINDS OF MATERIALS, VITAL PIPING & VALVES, CONDUIT LOCATIONS & OTHER SIMILARLY REQUIRED ITEMS.

1.6 CONTRACTOR SHALL INSTRUCT THE OWNER'S PERSONNEL IN THE PROPER USE, CARE AND MAINTENANCE, & EMERGENCY REPAIR OF HVAC & ELECTRICAL.

SECTION 017100 CONSTRUCTION CLEANING

1.1 PROVIDE AND MAINTAIN DUMPSTER AT THE SPECIFIED LOCATION AS COORDINATED WITH OWNER.
1.2 REMOVE RUBBISH AND DEBRIS DAILY; BROOM CLEAN THE SITE WEEKLY.

1.2.1 WET DRY MATERIALS TO PREVENT BLOWING DUST DAILY.
1.2.2 REMOVE MUD, DIRT AND FOREIGN MATERIALS FROM PUBLIC VIEW.

1.2.3 BROOM CLEAN PUBLICLY VISIBLE CONSTRUCTION AREAS.

1.3 FINAL CLEANING
1.3.1 REMOVE LABELS EXCEPT FOR HVAC/ ELEC. NAMEPLATE INFORMATION.
1.3.2 POLISH GLASS, LIGHT FIXTURES, LAMPS AND TRANSPARENT SURFACES.
1.3.3 CLEAN DUST, DIRT, FILM, & DELETERIOUS STUFF FROM ALL SURFACES.
1.3.4 MOP AND CLEAN ALL FLOOR SURFACES.
1.3.5 SANITIZE PLUMBING
1.3.6 REMOVE STAINS FROM ALL SURFACES.
1.3.7 REPAIR DAMAGED AND COATED AREAS
1.3.8 REMOVE AND REPLACE ALL HVAC FILTERS PRIOR TO FINAL INSPECTION.

SECTION 021000 SITE PREPARATION & SELECTIVE DEMOLITION

1.1 PROVIDE AND INSTALL ALL MATERIALS INCLUDING PAYING ALL FEES, LICENSES, TAXES, ETC.AS NECESSARY FOR THE ECXECUTION , INSTALLATION AND COMPLETION OF THE FOLLOWING:
1.1.1 DISPOSE DEBRIS AND SURPLUS ACCORDING TO THE JURISDICTIONAL AUTHORITIES
1.1.2 COMPLY WITH APPLICABLE AIR, DUST & WATER POLLUTION CONTROL REGULATIONS
1.1.3 PROCURE PERMITS TO TRANSPORT SOLID, LIQUID OR PARTICULATE MATERIAL OFFSITE.
1.1.4 POST ALL REQUIRED SIGNAGE, PERMITS, AND NOTICES.
1.1.5 PERIMETER EROSION & DUST CONTROL AS APPLICABLE.
1.1.6 PREVENT MUD & DIRT FROM ENTERING BUILDING AND ENTRANCE WALKWAY.
1.2 MAINTAIN REQUIRED VEHICLE AND PEDESTRIAN ACCESS TO BUILDING AT ALL TIMES. THE EXISTING BUILDING MAY REMAIN IN OPERATION DURING THE DURATION OF THE CONSTRUCTION PERIOD. COORDINATE USE AND ACCESS WITH OWNER.
1.3 COORDINATE COMPACTION & STOCKPILING OF MATERIALS W/ CIVIL ENGINEER & JURISDICTIONAL AUTHORITIES AS APPLICABLE.
1.4 PREPARE, EXECUTE AND FILE EPA, NOI AND NOT WITH THE JURISDICATIONAL AUTHORITIES AS APPLICABLE.

SECTION 042000 BLOCK MASONRY

1.1 CONCRETE MASONRY UNIT (CMU): STANDARD C90 (NON-COLORED)
1.2 MORTAR: SEE STRUCTURAL FOR TYPE.
1.2.1 COLOR: GREY
1.2 PERFORMANCE REQUIREMENT: COMPLY WITH ASTM C-90. PROVIDE CMU WITHFIRE-RESISTANT RATING IN COMPLIANCE WITH ASTM E-119. SEE STRUC. FOR ADDITONAL SPEC
1.3 MORTAR: COMPLYING WITH ASTM C-270, ; NON-FADING TYPE
1.4 GROUT: COMPLYING WITH ASTM C-476 (FOR TYPE AND PROPORTION OR GROUT INGREDIENTS) AND ASTM C-1019 (FOR COMPRESSIVE STRENGTH).
1.5 WATER-PROOFING ADMIXTURE: NON-CHLORIDE, NON-CORROSIVE, WATER-PROOFING ADMIXTURE COMPLYING WITH ASTM C494/C494M, TYPE C AND RECOMMENDED BY CMU MANUFACTURER
1.6 WATER-REPELLENT ADMIXTURE: LIQUID WATER-REPELLENT MORTAR ADMIXTURE INTENDED FOR USE WITH CONCRETE MASONRY UNITS, CONTAINING INTEGRAL WATER REPELLENT BY SAME MANUFACTURER.
1.7 WATER: POTABLE
1.8 REINFORCING BARS: DEFORMED STEEL, ASTM A615, GRADE 60, SEE STRUC.

1.9 INTERSECTING WALL ANCHOR:
a. Z-TYPE RIGID STEEL BAR $\frac{1}{4}$"X1"X24" WITH 3" I.D. BENDS. HOT-DIP GALVANIZED AFTER
FABRICATION. INSTALL IN ALTERNATE COURSES WITH HORIZONTAL WALL REINFORCING. BLOCK CORES IN TO WHICH THE TIES ARE PLACED SHALL BE FILLED WITH GROUT.
b. PREFABRICATED CORNER AND TEE LADDER REINFORCEMENT, ASTM A-951 , ASCE 530.
1.10 PREMOLDED CONTROL JOINT STRIPS: SOLID RUBBER STRIPS WITH A SHORE A DUROMETER HARDNESS OF 60 TO 80, DESIGNED TO FIT STANDARD SASH BLOCK AND MAINTAIN LATERAL STABILITY IN MASONRY WALL, SIZE AND CONFIGURATION AS INDICATED. MATCH COLOR TO ADJACENT CMU.
1.11 COURSING: ONE CONCRETE MASONRY UNIT PLUS ONE JOINT SHALL EQUAL 8".
ALL JOINTS SHALL BE $\frac{3}{8}$" U.N.O. PATTERN BOND SHALL BE RUNNING BOND U.N.O.
1.12 MASONRY CLEANER - PROPRIETARY ACIDIC CLEANER: MANUFACTURERS STANDARD-STRENGTH CLEANER DESIGNED FOR REMOVING MORTAR/GROUT STAINS, EFFLORESCENCE, AND OTHER NEW CONSTRUCTION STAINS FROM NEW MASONRY WITHOUT DISCOLORING OR DAMAGING MASONRY SURFACE.

1.13 SINGLE SINGLE WYTHE WALL UNIT DRAINAGE SYSTEM
1. DESCRIPTION: UNIT PAN DRAINAGE SYSTEM SHALL BE MANUFACTURED ASSEMBLED THAT CONSISTS OF THE FOLLOWING COMPONENTS:
a. PAN IS A HIGH DENSITY POLYPROPYLENE COMPOSITION .0625 INCH THICK (1.59 MM) WITH (7.94) PERIMETER FLANGE, WITH A WEEP SPOUT OPENING AND A 45 DEGREES DRIP EDGE THAT EXTENDS 1.0 INCHES (25.4 MM) FROM THE OUTER FLANGE. WIDTH SHALL BE 8 INCHES.
b. INTEGRATED WEB SPACER/BRIDGE UNIT IS A HIGH DENSITY POLYPROPYLENE .0625 INCH THICK (1.59 MM) THAT OVERLAPPED THE ADJACENT PAN AND EXTENDS FROM FACE SHELL TO FACE SHELL. BRIDGE IS REMOVABLE FOR CORNER INSTALLATION.
c. DRAINAGE MATTES & BUG GUARDS ARE AN OPEN WEAVE POLYESTER MESH (7X16 INCH) INSTALLED IN EACH CMU CELL ABOVE THE PAN.
2. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
a. BLOK-FLASH AS MANUFACTURED BY MORTAR NET (BASIS-OF-DESIGN)
b. CAVITY-WEEP AS MANUFACTURED BY MASONRY TECHNOLOGIES
c. CAVITY-VENT AS MANUFACTURED BY HECKMANN BUILDING PRODUCTS, INC. OR AN APPROVED EQUAL.

1.14 MASONRY-CELL INSULATION: FOAM-IN-PLACE INSULATION
1. MATERIAL: MULTI-COMPONENTS THERMAL INSULATIN PRODUCED BY COMBINING PLASTIC RESIN
AND CATALYST FOAMING AGENT SURFACTANT WHICH WHEN PROPERLY RATIOED AND MIXED
TOGETHER WITH COMPRESSED AIR PRODUCE A COLD-SETTING FOAM INSULATION IN THE HOLLOW
CORES OF HOLLOW UNIT MASONRY WALL.
a. COMPLY WITH ASTM E-84
b. NON-COMBUSTIBLE
c. R VALUE OF 4 PER INCH MIN. PER ASTM C-177
2. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
a. CORE-FILL 500 AS MANUFACTURED BY TAILORED CHEMICAL PRODUCTS, INC.
(BASIS-OF-DESIGN)
b. THERMCO AS MANUFACTURED BY THERMAL CORPORATION OF AMERICA, LTD.
c. POLYMASTER R-501 AS MANUFACTURED BY POLYMSTER, INC.
d. OR AN APPROVED EQUAL.

SECTION 055000 METAL FABRICATIONS (AS REQUIRED)

1.1 PERFORMANCE REQUIREMENTS:
1. WELDING: QUALIFY PROCEDURES AND PERSONNEL ACCORDING TO THE FOLLOWING:
a. AWS D1.1, "STRUCTURAL WELDING CODE--STEEL."
b. AWS D1.2, "STRUCTURAL WELDING CODE--ALUMINUM."
c. AWS D1.3, "STRUCTURAL WELDING CODE--SHEET STEEL.
d. AWS D1.6, "STRUCTURAL WELDING CODE--STAINLESS STEEL."
1.2 MATERIALS:
A. ALUMINUM-ALLOY ROLLED TREAD PLATE: ASTM B 632/B 632M, ALLOY 6061-T6.
B. ALUMINUM CASTINGS: ASTM B 26/B 26M, ALLOY 443.0-F.
C. STEEL PLATES, SHAPES, AND BARS: ASTM A 36/A 36M.
D. STAINLESS-STEEL SHEET, STRIP, PLATE, AND FLAT BARS: ASTM A 666, TYPE 304.
E. STAINLESS-STEEL BARS AND SHAPES: ASTM A 276, TYPE 304.
1.3 FASTENERS: STAINLESS STEEL OR HOT-DIPPED ZINC COATED GALVANIZED STEEL.
1.4 INSECT SCREEN
A. MATERIAL/FINISH: HOT-DIPPED GALVANIZED STEEL, SHOP PRIMED FOR FIELD PAINTING.
B. DESCRIPTION: INSECT SCREEN WIRE MESH ASSEMBLY PRODUCT FOR INSECT SCREEN AT CMU WALL. THE ASSEMBLY SHALL BE MANUFACTURED ASSEMBLED THAT CONSISTS OF THE FOLLOWING COMPONENTS:
a. 16 GAGE RECTANGULAR $\frac{1}{2}$" WIRE-MESH INSECT SCREEN, WELDED CONST.
b. 16 GAGE U-EDGING TO PROVIDE FRAMING, PROVIDE PRE-DRILLED HOLES AT 12" OC,
SIZE HOLES TO FIT FASTENERS.
c. 1 INCHES BY 1 ½ INCHES MOUNTING ANGLE WITH PRE-DRILLED HOLES, LOCATE 2 PER
EACH SIDE, SIZE HOLES TO FIT FASTENERS.
d. FASTENERS: MANUFACTURED STANDARD, HOT-DIPPED GALV.
2. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING MANUFACTURERS:
a. MCNICHOLS (BASIS-OF-DESIGN)
b. BROWN-CAMPBELL
c. MECHANICAL METALS
d. OR AN APPROVED EQUAL.

SECTION 079000 JOINT SEALANT

1.1 DESCRIPTION CONTINUED:
A. MULTI-COMPONENT POLYURETHANE SEALANT, MILDEW RESISTANT, NON-SAG, LOW-MODULUS WITH +25% JOINT MOVEMENTS ALLOWANCE THAT CAN WITHSTAND CONSTANT WATER IMMERSION. PRODUCT MUST BE SUITABLE FOR VARIOUS SUBSTRATE INCLUDING CONCRETE, STEEL, CMU AND TREATED WOOD.
1.2 PERFORMANCE REQUIEREMENTS:
A. ASTM C920, TYPE M, GRADE NS, CLASS 25, USE NT/G/M/A
B. ASTM C1247 FOR WATER IMMERSION APPLICATION
C. FEDERAL INSPECTION TT-S-00227E TYPE II, CLASS A
D. ASTM D412 FOR TENSILE STRENGTH
E. ASTM C661 FOR HARDNESS, SHORE A (25 MIN.)
F. ASTM C719 BOND DURABILITY TO GLASS, ALUMINUM AND CONCRETE
G. ASTM C794 FOR ADHESION IN PEEL
1.3 SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING MANUFACTURERS:
1. BASF
2. POLYMERIC SYSTEM INC.
3. PECORA
4. OR AN APPROVED EQUAL.

CONTINUED ON NEXT PAGE

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MATTHEW J. CRAMER
REGISTERED ARCHITECT
No. 102459
STATE OF TENNESSEE
3/21/16

RESTROOM RENOVATIONS BLDG "B"
FALL CREEK FALLS STATE PARK
TENNESSEE DEPARTMENT OF CONSERVATION AND ENVIRONMENT
SPENCER TENNESSEE 38585

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SHEET TITLE
SPECIFICATIONS

PROJECT NO. 15200.06	DATE 03-21-2016
DRAWN BY BM	SCALE VARIES
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SHEET NO. A0.02	

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PROJECT SPECIFICATIONS (continued)

1.4 JOINT BACKING: ROUND CLOSED-CELL POLYETHYLENE.
- A. JOINT BACKING: CLOSED-CELL POLYETHYLENE, PROVIDE AT ALL JOINTS DEEPER THAN ¼".
- B. WHERE JOINT DEPTH DOES NOT PERMIT USE OF JOINT BACKING, A RELEASE PAPER OR BOND BREAKER SHALL BE USED.
- C. ON HORIZONTAL JOINTS, SURFACE MUST BE CLEANED AND PRIMED USING PRIMER AS RECOMMENDED BY THE SEALANT MANUFACTURER.

SECTION 07410 PREFORMED ALUMINUM SOFFIT PANELS

1.1 DESCRIPTION OF WORK
- A. THIS SECTION COVERS THE PRE-FINISHED, PRE-FABRICATED FACTORY MANUFACTURED ALUMINUM SOFFIT SYSTEM. ALL METAL TRIM, ACCESSORIES, FASTENERS, INSULATION AND SEALANTS INDICATED ON THE DRAWINGS ARE PART OF THIS SECTION
- B. RELATED WORK SPECIFIED ELSEWHERE
- C. ROOF DECK STRUCTURAL STEEL, FLAT ROOF SYSTEMS, PREFORMED METAL STANDING SEAM ROOFING, PERIMETER EDGE SYSTEMS, ROOF HATCHES, FIRESTOPPING NOT INCLUDED IN THIS SECTION

1.2 QUALITY ASSURANCE
- A. BASIS OF DESIGN - PETERSEN ALUMINUM CORP, ACWORTH, GA, 800-272-4482 PRODUCTS ESTABLISH A MINIMUM OF QUALITY REQUIRED.
- B. MANUFACTURER AND ERECTOR SHALL DEMONSTRATE EXPERIENCE OF A MINIMUM OF FIVE (5) YEARS IN THIS TYPE OF PROJECT.

1.3 SUBSTITUTIONS
- A. THE MATERIAL, PRODUCTS AND EQUIPMENT SPECIFIED IN THIS SECTION ESTABLISH A STANDARD FOR REQUIRED FUNCTION, DIMENSION, APPEARANCE AND QUALITY TO BE MET BY ANY PROPOSED SUBSTITUTION.

1.4 SYSTEM DESCRIPTION
- A. MATERIAL TO COMPLY WITH:
- 1. ASTM B209 STANDARD SPECIFICATION FOR ALUMINUM AND ALUMINUM-ALLOY SHEET AND PLATE

1.5 WARRANTIES
- A. FINISH WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR FINISH OR REPLACE STANDING SEAM METAL ROOF PANELS THAT SHOW EVIDENCE OF DETERIORATION OF FACTORY-APPLIED FINISH WITHIN SPECIFIED WARRANTY PERIOD.
- 1. EXPOSED PANELS FINISH - DETERIORATION INCLUDES THE FOLLOWING:
  - a. COLOR FADING MORE THAN 5 HUNTER UNITS WHEN TESTED ACCORDING TO ASTM D 2244
  - b. CHALKING IN EXCESS OF A NO. 8 RATING WHEN TESTED ACCORDING TO ASTM D 4214
  - c. CRACKING, CHECKING, PEELING OR FAILURE OF A PAINT TO ADHERE TO A BARE METAL.
- 2. WARRANTY PERIOD: 20 YEARS FROM THE DATE OF SUBSTANTIAL COMPLETION

2.1 PANEL DESIGN
- A. SOFFIT PANELS SHALL BE 12" WIDE BY 3/8" DEEP AND MANUFACTURER SHALL BE ABLE TO PROVIDE SPECIFIED PANEL SURFACE: SOLID SOFFIT IN THE SPECIFIED COLOR. PROVIDE SINGLE INTERMEDIATE GROOVE.
- B. MATCH EXISTING PANEL DESIGN & COLOR LOCATED ELSEWHERE IN THE PARK - AT OTHER RESTROOM.

2.2 ACCEPTABLE MANUFACTURERS
- A. THIS PROJECT IS SPECIFIED AROUND THE ROOFING PRODUCT OF PETERSEN ALUMINUM CORPORATION, PETERSEN ALUMINUM CORP, ACWORTH, GA, 800-272-4482, PAC-850 SOFFIT.
- B. OTHER ACCEPTABLE MANUFACTURERS, IF THEY COMPLY WITH SPECIFICATION:

2.3 MATERIALS AND FINISHES
- A. MATERIALS: ASTM B-209 QUALITY ALUMINUM, 3105-H14 ALLOY AND TEMPER MATERIAL. ALUMINUM SHALL BE TENSION LEVELED (TEMPER PASSED AND STRETCHER LEVELED) WITH CAMBER OF A MAXIMUM OF 1/4" IN 20 FEET, MANUFACTURED IN THE USA, AND SHALL BE .032" THICK ALUMINUM, US STANDARD GRADE.
- 1. COLOR SHALL BE PAC-CLAD KYNAR 500 BONE WHITE
- 2. PANEL SURFACE SHALL BE: SOLID
- B. FINISHES: FINISH SHALL BE KYNAR 500 OR HYLAR 5000 FLUOROCARBON COATING WITH A TOP SIDE FILM THICKNESS OF 0.70 TO 0.90 MIL OVER 0.25 TO 0.31 MIL PRIME COAT TO PROVIDE A TOTAL DRY FILM THICKNESS OF 0.95 TO 1.25 MIL. FINISH SHALL CONFORM TO TESTS FOR ADHESION, FLEXIBILITY AND LONGEVITY AS SPECIFIED BY KYNAR 500 OR HYLAR 5000 FINISH SUPPLIER.
- C. TRIM: TRIM SHALL BE FABRICATED OF THE SAME MATERIAL AND FINISH TO MATCH THE PROFILED SHEETING AND PRESS BROKEN IN LENGTHS OF 10 - 12 FEET. TRIM SHALL BE FORMED ONLY BY THE MANUFACTURER OR THEIR APPROVED DEALER. TRIM TO BE ERECTED IN OVERLAPPED CONDITION. USE LAP STRIPS ONLY AS INDICATED ON DRAWINGS. MITER CONDITIONS SHALL BE FACTORY WELDED MATERIAL TO MATCH THE SHEETING.
- C. FASTENERS: FASTENERS SHALL BE 400 SERIES STAINLESS STEEL, DISHED WASHERS STAINLESS STEEL WITH BONDED NEOPRENE.
- D. ZEES: WHERE REQUIRED BY DESIGN OF PRIMARY STRUCTURAL FRAMING SYSTEM, ZEES SHALL BE USED TO SPAN BETWEEN BEAMS AND/OR OTHER JOISTS. THERMALLY RESPONSIVE BASE AND TOP CLIPS SHALL BE FASTENED TO THE ZEES ON 12" CENTERS.
- E. INSULATION: SEE SECTION 07210: BUILDING INSULATION.

SECTION 07410 PREFORMED ALUMINUM SOFFIT PANEL (cont.)

2.3 MATERIALS AND FINISHES (CONTINUED)
- F. TRIM: TRIM SHALL BE FABRICATED OF THE SAME MATERIAL AND FINISH TO MATCH THE PROFILED SHEETING AND PRESS BROKEN IN LENGTHS OF 10 - 12 FEET. TRIM SHALL BE FORMED ONLY BY THE MANUFACTURER OR THEIR APPROVED DEALER. TRIM TO BE ERECTED IN OVERLAPPED CONDITION. USE LAP STRIPS ONLY AS INDICATED ON DRAWINGS. MITER CONDITIONS SHALL BE FACTORY WELDED MATERIAL TO MATCH THE SHEETING.
- G. FASTENERS: FASTENERS SHALL BE 400 SERIES STAINLESS STEEL, DISHED WASHERS STAINLESS STEEL WITH BONDED NEOPRENE.
- H. ZEES: WHERE REQUIRED BY DESIGN OF PRIMARY STRUCTURAL FRAMING SYSTEM, ZEES SHALL BE USED TO SPAN BETWEEN BEAMS AND/OR OTHER JOISTS. THERMALLY RESPONSIVE BASE AND TOP CLIPS SHALL BE FASTENED TO THE ZEES ON 12" CENTERS.
- I. INSULATION: SEE SECTION 07210: BUILDING INSULATION.

2.4 SEALANTS
- A. PROVIDE TWO-PART POLYSULFIDE CLASS B NON-SAG TYPE FOR VERTICAL AND HORIZONTAL JOINTS OR -
- B. ONE PART POLYSULFIDE NOT CONTAINING PITCH OR PHENOLIC EXTENDERS OR -
- C. EXTERIOR GRADE SILICONE SEALANT RECOMMENDED BY ROOFING MANUFACTURER OR -
- D. ONE PART NON-SAG, GUN GRADE EXTERIOR TYPE POLYURETHANE RECOMMENDED BY THE ROOFING MANUFACTURER.

SECTION 081100 HOLLOW METAL DOORS

1.1 GENERAL: NFCR 100-91 AS QUALITY STANDARD, FULLY WELDED.
1.2 DOOR CORE CONSTRUCTION: U-VALUE OF .350 OR LESS, PROVIDE POLYURETHANE INSULATION
1.3 DOOR AND FRAME: 16 GAUGE, SDI LEVEL 3 "EXTRA HEAVY-DUTY", MODEL 2A "SEAMLESS", FIELD PAINTED TO MATCH EXISTING.
1.4 FRAME ANCHORS: 3-JAMB WIRES AND FLOOR ANCHORS, HOT-DIPPED GALV.
1.5 HARDWARE PREPARATION PER ANSI/SDI A-250 AND A115 STANDARD, COORDINATE WITH HARDWARE SCHEDULE.
1.6 SHOP PRIME, FIELD FINISH - 2 COATS.

SECTION 087100 DOOR HARDWARE

1.1 MINIMUM GAUGE: 7 GAUGE (HING REINFORCEMENTS); 12 GAUGE (UNIVERSAL STRIKE REINFORCEMENTS)
1.2 PROVIDE 3 COPIES OF EACH KEY, FINAL KEYING BY OWNER. PROVIDE "BEST" EXTRA HEAVY DUTY CORE, COORDINATE WITH OWNER.
1.3 NO SPECIFIC MANUFACTURER, KEY TO MASTER ADJACENT EXISTING BUILDINGS. PROVIDE HEAVY DUTY HARDWARE BY SCHALGE OR APPROVED EQUAL.
1.4 COORDINATE HARDWARE, LOCKSETS, KEYING, ETC. W/ OWNER PRIOR TO PROJECT COMPLETION.
1.5 ALL NEW DOOR HARDWARE SHALL BE ADA COMPLIANT.
1.6 REFER TO DRAWINGS FOR HARDWARE SCHEDULE.

SECTION 099100 PAINT - POLYESTER-EPOXY AND OIL-BASE WATER-PROOF TYPE.

1.1 CONCRETE BLOCK:
- 1. SURFACE PREPARATION: SSPC-SP13/NACE 6
- 2. PRIMER: INDUSTRIAL & MARINE, KEM CATI-COAT HS EPOXY FILLER/SEALER, B24W400/V400 S
- 3. MID-COAT: INDUSTRIAL & MARINE SHERWIN WILLIAMS DURAPLATE 235
- 4. TOP-COAT: SHERWIN WILLIAMS DTM SEMI-GLOSS.

1.2 SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING MANUFACTURERS:
- 1. SHERWIN WILLIAMS (BASIS-OF-DESIGN)
- 2. PORTER PAINT
- 3. ICI DULUX

SECTION 10520 FIRE EXTINGUISHER

1.1 TYPE: 4A-60B:C WITH MANUFAC. STANDARD WALL BRACKET, SHALL COMPLY WITH NFPA 10 AND LABELED BY FMG.

SECTION 096100 CONCRETE SEALER

1.1 DESCRIPTION: SILICATE BLEND, SHALL BE A CLEAR PENETRATING WATER-BASED SEALER FOR DENSIFYING AND DUSTPROOFING.
1.2 SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
- 1. CT DENSIFYER AS MANUFACTURED BY CHEMPROBE (BASIS-OF-DESIGN)
- 2. FX-424 AS MANUFACTURED BY FOX INDUSTRIES
- 3. H & C
- 4. OR AN APPROVED EQUAL.

101750 TOILET COMPARTMENTS AND URINAL SCREENS:

A. TYPE:
- 1. TOILET PARTITIONING: FLOOR-MOUNTED, HEADRAIL-BRACED.
- 2. URINAL SCREENS: WALL MOUNTED, FLOOR SUPPORTED.
- 2. DESCRIPTION: PROVIDE PANELS, PILASTERS, AND DOORS CONSTRUCTED OF HIGH DENSITY POLYETHYLENE (HDPE) MATERIAL WITH CONTINUOUS ALUMINUM EDGING STRIPS ON THE BOTTOMS OF ALL PANELS AND FULL LENGTH WALL BRACKETS. MATERIAL SHALL BE IN COMPLIANCE WITH ASTM E-84.
- 3. WARRANTY: 15-YEARS LIMITED WARRANTY AGAINST FACTORY DEFECTS FOR PANELS AND 1-YEARS WARRANTY AGAINST MATERIAL AND WORKMANSHIP DEFECTS FOR STAINLESS STEEL HARDWARES

B. HEADRAIL: PROVIDE INTEGRAL ANTI-GRIP, LOAFER RAIL, EXTRUDED ALUMINUM HEAT-TREATED AND ANODIZED WITH NECESSARY FITTINGS.

C. HARDWARE AND FITTINGS (ALL STAINLESS STEEL)
- 1. WALL BRACKET: CONTINUOUS 54" MIN.
- 2. FASTENERS, SHOE/BASE COVER, CONTINUOUS PARTITION BRACKETS (FULL PARTITION HEIGHT) AND HEADRAIL MOUNTING BRACKETS: MOUNT TO SUBSTRATE WITH TAMPER-PROOF TOGGLE BOLTS.
- 3. DOOR HINGES: PROVIDE 8" "HANDICAP" HINGE AT ALL DOORS. MOUNT TO PILASTERS WITH TAMPER-PROOF THRU-BOLTS. HINGES SHALL BE HEAVY DUTY TYPE AND CAPABLE OF WITHSTANDING 250 LBS. OF PRESSURE FROM ANY DIRECTION.
- 4. DOOR LATCH/STRIKE SET: FASTENED WITH TAMPER-PROOF FASTENERS.
- 5. DOOR COAT HOOK/BUMPER: CHROME-PLATED ZINC ALLOY DIE CASTING EQUIPPED WITH RUBBER BUMPER ON END OF HOOK, FASTENED WITH NON-REVERSING TAMPER-PROOF SCREWS.
- 6. DOOR PULL: CHROME-PLATED ZINC ALLOY DIE CASTING FASTENED WITH TAMPER-PROOF NON-REVERSING SCREWS.

D. FINISHES: ARCHITECT TO SELECT FROM MANUFAC. STANDARD COLOR AND TEXTURES.

E. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
- 1. SCRANTON PRODUCTS (BASIS-OF-DESIGN)
- 2. BOBRICK
- 3. GLOBAL PARTITIONS
- 4. OR AN APPROVED EQUAL.

SECTION 102800 TOILET ACCESSORIES

A. BASIS-OF-DESIGN PRODUCT: THE DESIGN FOR ACCESSORIES IS BASED ON PRODUCTS INDICATED. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE NAMED PRODUCT OR A COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:
- 1. AMERICAN SPECIALTIES, INC.
- 2. A & J WASHROOM ACCESSORIES, INC.
- 3. BOBRICK WASHROOM EQUIPMENT, INC.
- 4. BRADLEY CORPORATION
- 5. OR APPROVED EQUAL WITH COMPATIBLE PRODUCT PERFORMANCE.

B. TOILET TISSUE (ROLL) DISPENSER:
- 1. BASIS-OF-DESIGN PRODUCT: AMERICAN SPECIALTIES, INC. - MODEL 0264-1A
- 2. DESCRIPTION: DOUBLE-ROLL DISPENSER
- 3. MOUNTING: SURFACE MOUNTED.
- 4. OPERATION: CONTROLLED DELIVERY. TO BE IMPACT RESISTANT WITH "NO-WASTE" ROCKING ACTION SPINDLE, ABS THERMOPLASTIC AND BE THEFT RESISTANT WITH CONCEALED RELEASE MECHANISM. SPINDLE SHALL ROTATE ½ REVOLUTION FOR EACH OPERATION AND RETURN TO ITS ORIGINAL POSITION. ROLL CORE SHALL NOT BE REMOVABLE UNTIL TISSUE IS EXHAUSTED.
- 5. CAPACITY: DESIGNED FOR ALL STANDARD CORE ROLL TISSUE UP TO 6 INCHES IN DIAMETER.
- 6. MATERIAL AND FINISH: CAST ALUMINUM WITH SATIN MATTE SILVER-GRAY FINISH.

C. LIQUID-SOAP DISPENSER:
- 1. BASIS-OF-DESIGN PRODUCT: AMERICAN SPECIALTIES, INC. - MODEL 0345
- 2. DESCRIPTION: DESIGNED FOR DISPENSING SOAP IN LIQUID OR LOTION FORM.
- 3. MOUNTING: HORIZONTALLY ORIENTED, SURFACE MOUNTED.
- 4. CAPACITY: 40 OZ. (ML).
- 5. MATERIALS: 20 GAUGE STAINLESS STEEL, ALLOY 18-8, TYPE 304 WITH NO. 4 SATIN FINISH. VALVE OPERATION SHALL COMPLY WITH ADA GUIDELINES OF NO MORE THAT 5 LBS PRESSURE TO ACTUATE AND REQUIRE NO GRASPING OR TWISTING.
- 6. LOCKSET: TUMBLER TYPE WITH SPECIAL KEY.

D. GRAB BAR:
- 1. DIMENSIONS: 1 ¼" TO 1 ½" IN WIDTH OR OUTSIDE DIAMETER, CLEAR HAND SPACE MUST BE 1 ½" BETWEEN THE INNER FACE OF THE GRAB BAR AND THE FINISHED FACE OF THE WALL/PARTITION.
- 2. CAPACITY: GRAB BARS MUST BE ABLE TO SUPPORT A 250 LB LOAD APPLIED IN ANY DIRECTION ALONG ITS LENGTH.
- 3. MOUNTING: FLANGES WITH CONCEALED FASTENERS.
- 4. MATERIAL: STAINLESS STEEL, 0.05 INCH THICK, SMOOTH, NO. 4, SATIN FINISH.

E. MIRROR UNIT:
- 1. BASIS-OF-DESIGN PRODUCT: BOBRICK- MODEL B-165
- 2. DESCRIPTION: FRAMELESS STAINLESS STEEL MIRROR.
- 3. MATERIAL: ALLOY 18-8 STAINLESS STEEL TYPE 304, 20 GAUGE WITH NO. 8 MIRROR FINISH. BACKING SHALL BE ¼ INCH THICK TEMPERED WATERPROOF MASONITE. UNIT SHALL HAVE 5/16 RETURNS TO WALL ALL AROUND.
- 4. HANGERS: PRODUCE RIGID, TAMPER- AND THEFT-RESISTANT INSTALLATION, USING METHOD INDICATED BELOW.
  - a. ONE-PIECE, GALVANIZED STEEL, WALL-HANGER DEVICE WITH SPRING-ACTION LOCKING MECHANISM TO HOLD MIRROR UNIT IN POSITION WITH NO EXPOSED SCREWS OR BOLTS.
  - b. WALL BRACKET OF GALVANIZED STEEL, EQUIPPED WITH CONCEALED LOCKING DEVICES REQUIRING A SPECIAL TOOL TO REMOVE.

SECTION 102800 TOILET ACCESSORIES (CONTINUED)

F. BABY CHANGING STATION
- 1. BASIS-OF-DESIGN PRODUCT: KOALA CORPORATION - MODEL KB110-SSW, 18-GA STAINLESS STEEL TYPE 304.
- 2. DESCRIPTION: BABY CHANGING STATION HORIZONTAL SUPPORTS STATIC LOADS UP TO 400 LBS. STEEL-ON-STEEL HINGES WITH 12 GAUGE STEEL MOUNTING SUPPORTS ADA COMPLIANT WITH PROPER INSTALLATION. CHILD PROTECTION STRAPS AND DIAPER BAG HOOK. MOLDED-IN LINER DISPENSER WILL HOLD APPROXIMATELY 25 SANITARY LINERS. FDA APPROVED BLOW-MOLDED HIGH-DENSITY POLYETHYLENE WITH MICROBAN ANTIMICROBIAL ADDITIVE (RESISTS ODORS AND BACTERIAL GROWTH). REINFORCED FULL-LENGTH STEEL-ON-STEEL HINGE MECHANISM, WITH 11-GAUGE STEEL MOUNTING PLATES AND MOUNTING HARDWARE INCLUDED. MOLDED-IN GRAPHICS AND SAFETY MESSAGES IN SIX LANGUAGES AND BRAILLE. CONTOURED CHANGING SURFACE AREA IS 442 SQ IN (2873 SQ MM).
- 3. MOUNTING: WALL MOUNTED

A. WARM-AIR DRYER:
- 1. BASIS-OF-DESIGN PRODUCT: EXCEL DRYER; XLERATOR SERIES; XL-C
- 2. DIMENSIONS: 11 ¾" LG BY 12 11/16" HIGH BY 6 11/16" DEEP
- 3. WEIGHT: 16 LBS.
- 4. MOUNTING: SEMI-RECESSED WITH ADA MOUNTING KIT BOX
- 5. OPERATION: INFRA-RED SENSOR ACTIVATED WITH TIMED POWER CUT-OFF SWITCH.
  - a. OPERATION TIME: UNDER 35 SECONDS.
- 6. COVER MATERIAL AND FINISH: ONE-PIECE, HEAVY-DUTY, RIB-REINFORCED, DIE-CAST ZINC ALLOY. TO BE RUST-PROOF, CHIP-PROOFED AND TAMPER/VANDAL-PROOF ELECTRICAL REQUIREMENTS: 115 V, 14.4 A, 1653 W.
- 7. COLOR: STAINLESS STEEL
- 8. OTHER ACCEPTABLE MANUFACTURER: WARM AIR DRYER, ASI OR AN APPROVED EQUAL.

H. UNDER LAVATORY GUARD - PROVIDE ADA PIPE GUARD ON EXPOSED PLUMBING.

SECTION 101400 SIGNAGE

1.1 PANEL SIGNS
- A. EXTERIOR PANEL SIGNS: PROVIDE SMOOTH SIGN PANEL SURFACES CONSTRUCTED TO REMAIN FLAT UNDER INSTALLED CONDITIONS WITHIN A TOLERANCE OF PLUS OR MINUS 1/16 INCH (1.5 MM) MEASURED DIAGONALLY FROM CORNER TO CORNER, COMPLYING WITH THE FOLLOWING REQUIREMENTS:
  - 1. EDGE CONDITION: BULLNOSE.
  - 2. CORNER CONDITION: ROUNDED TO RADIUS INDICATED.
  - 3. CUSTOM PAINT COLORS: MATCH PANTONE COLOR MATCHING SYSTEM.
  - 4. COLOR: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
  - 5. BASIS-OF-DESIGN: "GRAPHIC BLAST FG" AS MANUFACTURED BY BEST MANUFACTURING SIGN SYSTEMS OR APPROVED EQUAL.
    - a. DESCRIPTION: 1/8" MIN. THICK MULTI-PLY FIBERGLASS WITH CONTRASTING CORE COLOR, TWO-COLOR, SCRATCH RESISTANT, NON-STATIC, FIRE RETARDANT, WASHABLE, NON-CORROSIVE, UV INHIBITORS, NON-GLARE SURFACE AND 20 YEAR LIFE EXPECTANCY. FIRE RESISTANT.
    - b. MOUNTING: UNFRAMED, WALL-MOUNTED: MECHANICALLY FASTEN AT BACK, PROVIDE SPACER FOR MOUNTING AT LAP-SIDING WALL FINISH. SIGNAGE TO BE FASTEN TO SUBSTRATE MATERIAL.
- B. TACTILE AND BRAILLE SIGN: MANUFACTURER'S STANDARD PROCESS FOR PRODUCING TEXT AND SYMBOLS COMPLYING WITH ADA-ABA ACCESSIBILITY GUIDELINES AND WITH ICC/ANSI A117.1. TEXT SHALL BE ACCOMPANIED BY GRADE 2 BRAILLE. PRODUCE PRECISELY FORMED CHARACTERS WITH SQUARE-CUT EDGES FREE FROM BURRS AND CUT MARKS; BRAILLE DOTS WITH DOMED OR ROUNDED SHAPE.
  - 1. PANEL MATERIAL: OPAQUE ACRYLIC SHEET.
  - 2. RAISED-COPY THICKNESS: NOT LESS THAN 1/32 INCH (0.8 MM).

1.2 ACCESSORIES
- A. ANCHORS AND INSERTS: PROVIDE NONFERROUS-METAL OR HOT-DIP GALVANIZED ANCHORS AND INSERTS FOR EXTERIOR INSTALLATIONS AND ELSEWHERE AS REQUIRED FOR CORROSION RESISTANCE. USE TOOTHED STEEL OR LEAD EXPANSION-BOLT DEVICES FOR DRILLED-IN-PLACE ANCHORS. FURNISH INSERTS, AS REQUIRED, TO BE SET INTO CONCRETE OR MASONRY WORK.

1.3 SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING MANUFACTURERS:
- 1. SIGN SYSTEMS (BASIS-OF-DESIGN)
- 2. ASI SIGNAGE INNOVATIONS
- 3. ARCHITECTURAL SIGNING
- 4. OR AN APPROVED EQUAL.

LOSE & ASSOCIATES, INC.
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MATTHEW J. CRAMER — REGISTERED ARCHITECT — No. 102459 — STATE OF TENNESSEE — 3/21/16

RESTROOM RENOVATIONS BLDG "B"
FALL CREEK FALLS STATE PARK
TENNESSEE DEPARTMENT OF CONSERVATION AND ENVIRONMENT
SPENCER TENNESSEE 38585

REVISIONS

NO.	DATE	COMMENTS
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SHEET TITLE: SPECIFICATIONS

PROJECT NO. 15200.06	DATE 03-21-2016
DRAWN BY BM	SCALE VARIES
CHECKED BY MC	
SHEET NO. A0.03	

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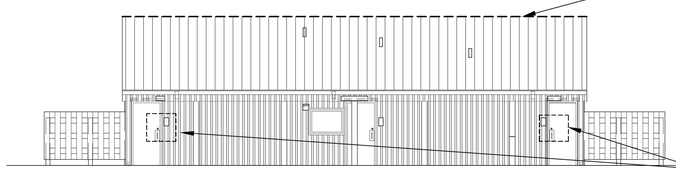
DOOR SCHEDULE

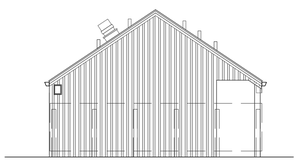
DOOR NO:	ROOM NO:	ROOM NAME	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR DEPTH	DOOR MAT.	DOOR FIN.	FRAME TYPE	FRAME MAT.	FRAME FIN.	HARDWARE SET	RATING	DOOR FUNCTION	NOTES
01	100	MEN'S RESTROOM	-	3'-0"	7' -0"	2"	HM	PT-_	1	HM	PT-_	1 - 10	NONE	A	-
--	103	MECHANICAL	-	HARDWARE ONLY		-	-	-	-	-	-	-	NONE	B	-
02	104	WOMEN'S RESTROOM	-	3'-0"	7' -0"	2"	HM	PT-_	1	HM	PT-_	1 - 8	NONE	A	-

DEMO NOTES

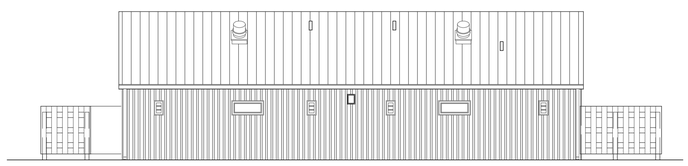
1. -
2. REMOVE & PRESERVE MIRRORS AT EACH VANITY TO BE REUSED
3. REMOVE EXISTING FIXTURES.
4. REMOVE CONC. FLOOR AS NECESSARY FOR EXTENTION OF NEW SERVICE LINES IN FLOOR.



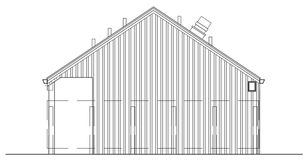
1 EXT. ELEVATION - EXISTING PLAN NORTH
SCALE: 1/8" = 1'-0"



2 EXT ELEVATION - EXISTING - PLAN EAST
SCALE: 1/8" = 1'-0"



3 EXT. ELEVATION - PLAN SOUTH
SCALE: 1/8" = 1'-0"



4 EXT. ELEVATION - PLAN WEST
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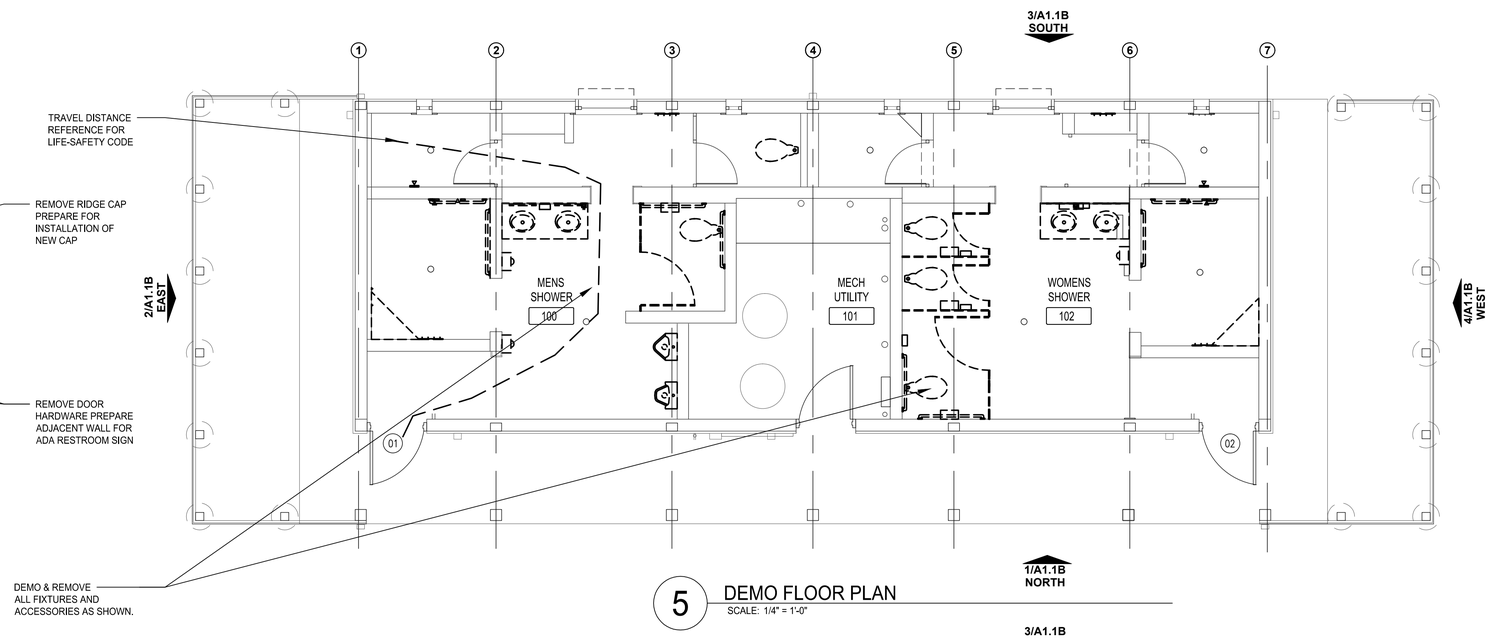
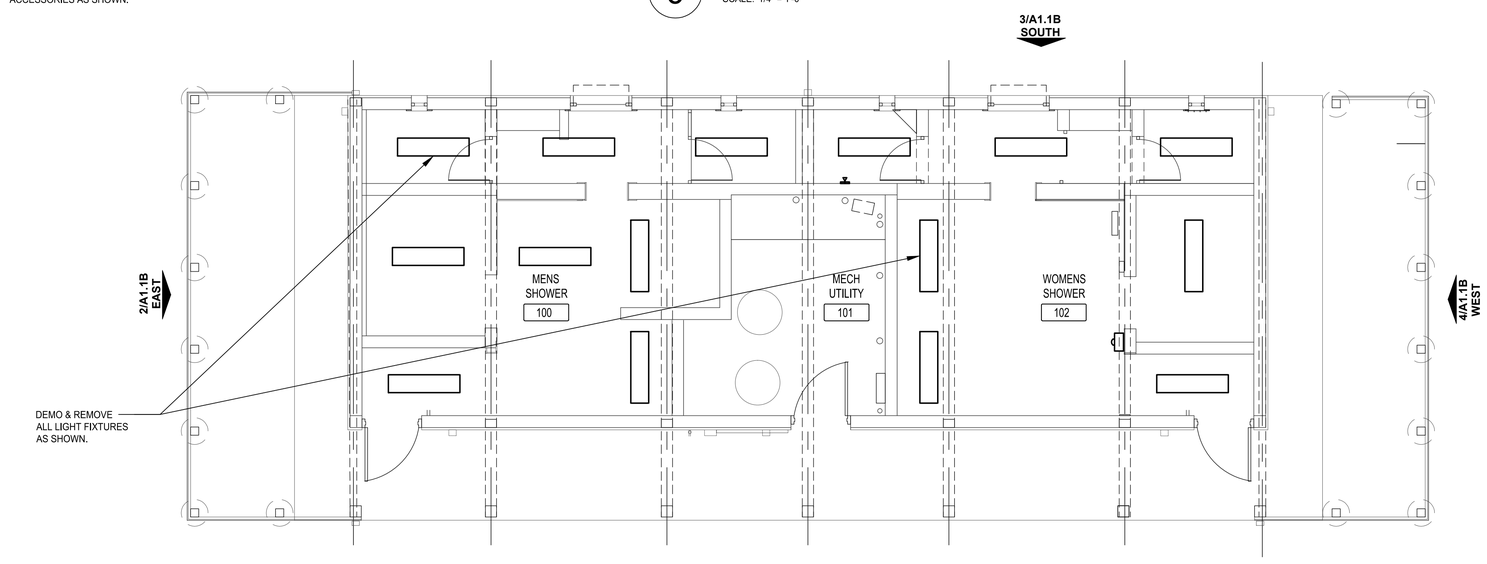


5 DEMO FLOOR PLAN
SCALE: 1/4" = 1'-0"



6 DEMO RCP
SCALE: 1/4" = 1'-0"

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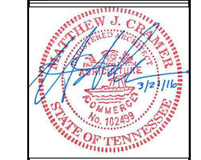

RESTROOM RENOVATIONS BLDG "B"
FALL CREEK FALLS STATE PARK

PREPARED FOR:
TENNESSEE DEPARTMENT OF CONSERVATION AND ENVIRONMENT
SPENCER
TENNESSEE 38585

REVISIONS

NO.	DATE	COMMENTS
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SHEET TITLE
DEMO PLAN

PROJECT NO. 15200.06	DATE 03-21-2016
DRAWN BY BM	SCALE 1/4" = 1'-0"
CHECKED BY MC	
SHEET NO. A1.1B	

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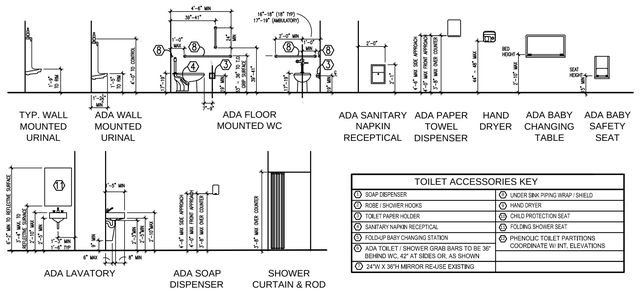
TOILET ACCESSORIES - MOUNTING HEIGHTS



TOILET ACCESSORIES KEY	
1 SOAP DISPENSER	7 UNDER SINK PIPING WRAP / SHIELD
2 ROBE / SHOWER HOOKS	8 HAND DRYER
3 TOILET PAPER HOLDER	9 CHILD PROTECTION SEAT
4 SANITARY NAPKIN RECEPTICAL	10 FOLDING SHOWER SEAT
5 FOLD-UP BABY CHANGING STATION	11 PHENOLIC TOILET PARTITIONS COORDINATE W/ INT. ELEVATIONS
6 ADA TOILET / SHOWER GRAB BARS TO BE 36" BEHIND WC, 42" AT SIDES OR, AS SHOWN	
7 24"W X 36"H MIRROR RE-USE EXISTING	

DOOR SCHEDULE

DOOR NO:	ROOM NO:	ROOM NAME	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR DEPTH	DOOR MAT.	DOOR FIN.	FRAME TYPE	FRAME MAT.	FRAME FIN.	HARDWARE SET	RATING	DOOR FUNCTION	NOTES
01	100	MEN'S RESTROOM	-	3'-0"	7' -0"	2"	HM	PT-_	1	HM	PT-_	1 - 10	NONE	A	-
02	103	MECHANICAL	-	HARDWARE ONLY		-	-	-	-	-	-	-	NONE	B	-
02	104	WOMEN'S RESTROOM	-	3'-0"	7' -0"	2"	HM	PT-_	1	HM	PT-_	1 - 8	NONE	A	-

DOOR FUNCTION OPERATION

ITEM #	FUNCTION	COMMENT- B.O.D.- STANLEY & BEST CORES
A.	ENTRY & EXIT	DEADBOLT
B.	STOREROOM	

DOOR HARDWARE

ITEM #	ITEM NAME	BASIS OF DESIGN	ITEM #	COLOR	COMMENT
1.	CYLINDER	BEST	1E62C4RP3	612 FINISH	ALL LOCATIONS - THUMB TURN ON INTERIOR SIDE
2.	SILENCER	ROCKWOOD	608	GREY	ALL LOCATIONS, 3 PER DOOR
3.	JAMB SEAL	PEMKO	316AS	ALUMINUM	
4.	DOOR SHOE	PEMKO	210APK/211APK	ALUMINUM	EXTERIOR DOORS ONLY - USE 210APK
5.	THRESHOLD	NATIONAL GUARD	896S	ALUMINUM	½" HIGH X 5" WIDE ADA COMPLIANT UNIT WITH SILICONE INSERT
6.	WALL STOP	ROCKWOOD	RM861	US32 STAINLESS STEEL	AS INDICATED
7.	DOOR CLOSER	YALE	SI SERIES	ALUMINUM	ALUMINUM COVER
8.	LATCH GUARD	DON-JO	SLP106	STAINLESS STEEL	PROVIDE AT DOOR LEVER AND DEADBOLT
9.	PULL PLATE	HAGER	33G	ALUMINUM	4" x 16"
10.	PUSH PLATE	HAGER	33S	ALUMINUM	4" x 16"

NEW NOTES

- (A) PROVIDE 12" PRE-FINISHED METAL CEILING SYSTEM.
- (B) PROVIDE SERVICE UTILITY CONNECTIONS / PIPING / TIGHT TO CHASE FLOOR & WALLS.
- (C) INSTALL NEW FIXTURES, ACCESSORIES & PARTITIONS.
- (D) INSTALL (2) NEW HM DOORS - RESTROOMS.
- (E) INSTALL NEW HM DOOR HARDWARE - ALL (3) DOORS.
- (F) PAINT FULL HEIGHT OF INTERIOR CMU WALL S W/ EPOXY PAINT. MATCH EXISTING WALL FINISH.
- (G) PROVIDE NEW FULL, HEIGHT OF PARTITION, HEAVY DUTY, STAINLESS STEEL WALL BRACKET S. FOR ALL URINAL & TOILET PARTITIONS.
- (H) PROVIDE NEW, CONTINUOUS 4" RUBBER BASE TO MATCH EXISTING.
- (I) CEILING HEATERS (2) SEE MECHANICAL PLANS.
- (J) EXHAUST FANS (4) SEE MECHANICAL PLANS.
- (K) EXHAUST FAN EXTERIOR GRILLES (4) PAINT TO MATCH.
- (L) BATT INSULATION ABOVE ALL CEILING - 9.5", R-30, KRAFT FACED, FIBERGLASS BLANKET.
- (M) HOSE BIBB
- (N) OCCUPANCY SENSORS (5)

LIGHTING & FAN LEGEND

EXHAUST FANS - "EF"

1'x4' FLUORECENT

12" PRE- FIN METAL PANEL CEILING SYS. PERPENDICULAR TO TRUSSES

OCCUPANCY SENSOR - TIES LIGHTS, EXHAUST, HEATERS TO SAME OPERATION

CEILING MOUNTED HEATER - DUCTLESS - "UH"

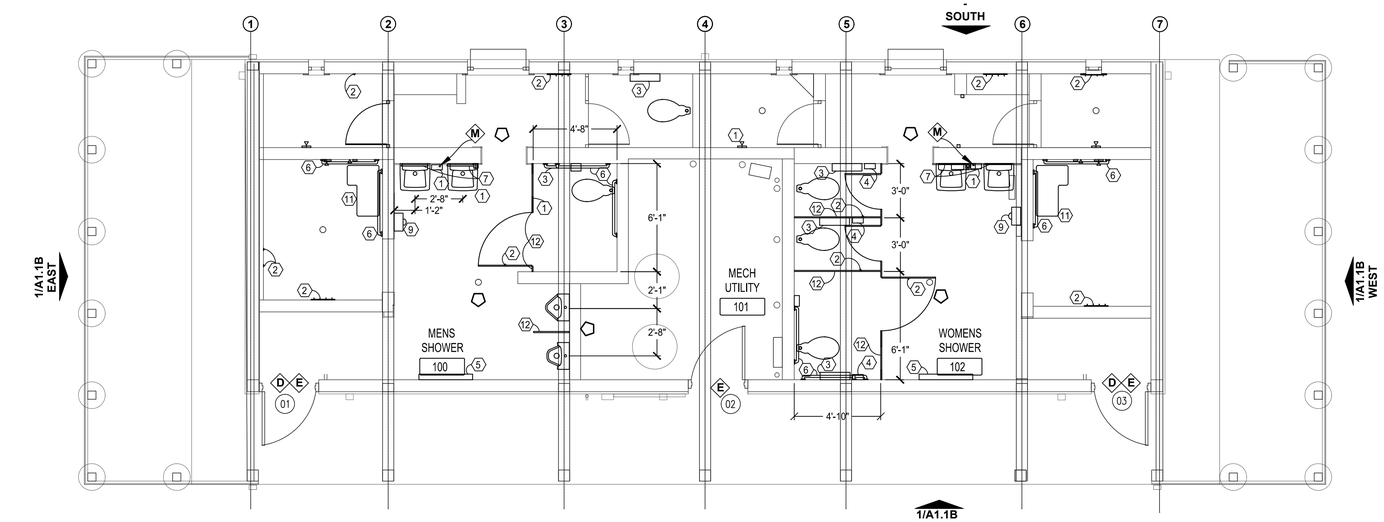
HEATER SCHEDULE

TYPE	DESCRIPTION	VOLTS	MANUFACTURER
CEILING	- WHITE POWDER COATED 20 GAUGE GRILL. - 208V, 240V, & 277V UNITS HAVE MANUAL RESET THERMAL LIMIT. - 480V UNITS HAVE MANUAL RESET THERMAL LIMIT, 24V CONTROL TRANSFORMER, AND 24V RELAY (A1 SUFFIX). - ENCLOSED STEEL FIN SHEATH ELEMENT. - ROUGH IN DIMENSIONS: 23-1/16" SQ. X 9-1/8" DEEP.	240	MARKEL

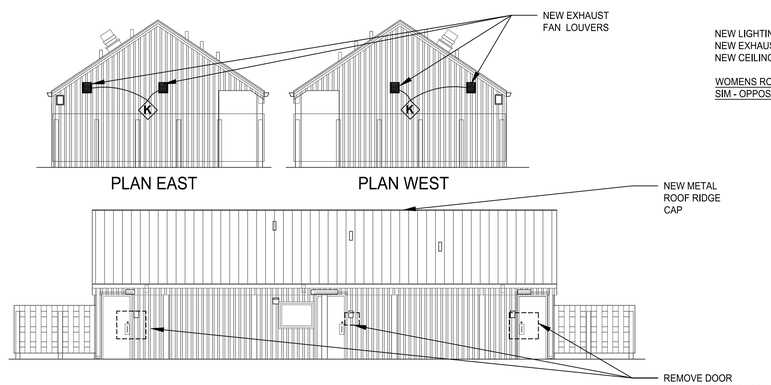
LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLTS	MANUFACTURER
A	LITHONIA FPG AS BASIS OF DESIGN - FLUORESCENT 1x4 SURFACE MOUNTED, (2) 4 FOOT T8 LAMPS, ELECTRONIC BALLAST, 0.25" POLYCARBONATE WITH A12 ACRYLIC OVERLAY PRISMATIC LENS, TAMPER RESISTANT SCREWS, VANDAL RESISTANT, WHITE FINISH.	120	FAIL-SAFE 2VRM SERIES LITHONIA 2VRS SERIES EELP5 VT5"
AE	SAME AS TYPE "A" WITH INTEGRAL EMERGENCY BALLAST, MINIMUM OR 1100 INITIAL LUMENS.	120	

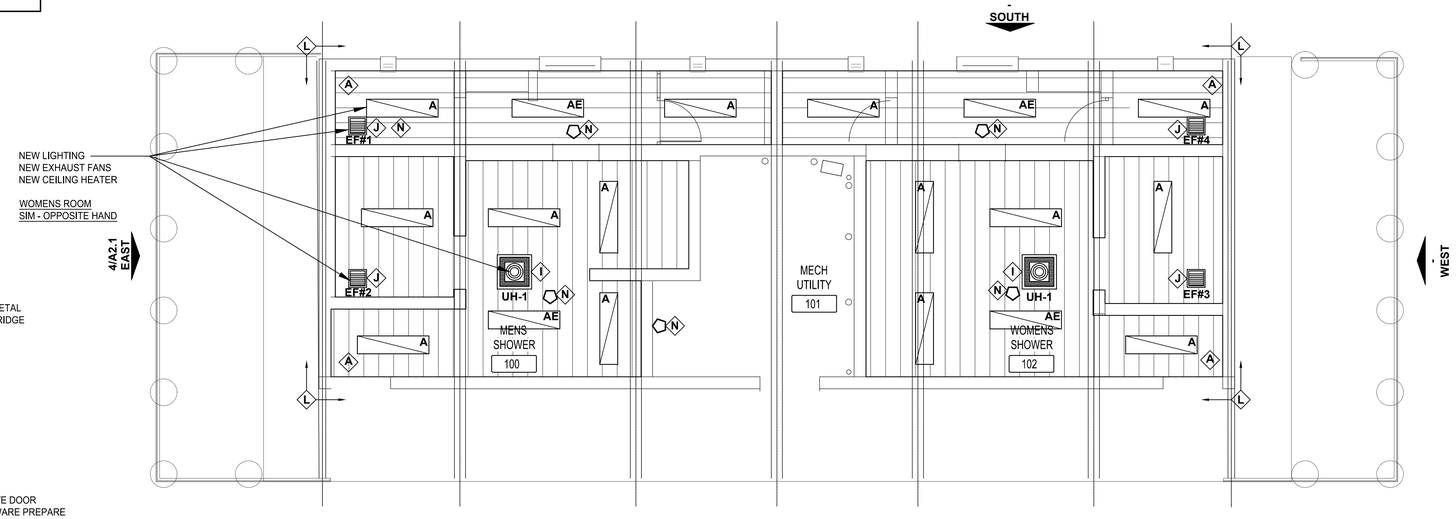
1. ALL FIXTURES TO BE SUPPLIED WITH LAMPS.
2. FIXTURES SHALL BE COMPATIBLE WITH CEILING TYPE, REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATING.
3. ALL FIXTURES INSTALLED IN AN INSULATED CEILING SHALL BE I.C. RATED.
4. ALL FIXTURES TO BE WET RATED & HAVE BUG PROOF BACK BOXES & HOUSING GASKETS.
5. ALL FIXTURES TO BE WHITE IN COLOR.
6. PROVIDE 2 OCCUPANCY SENSORS TO THE CEILING OF EACH RESTROOM. ONE (1) WALL SENSOR TO BE PROVIDED ON UTILITY ROOM WALL.
7. PROVIDE LIGHT SENSOR TO ACTIVATE EXT. LIGHTING & CLOCK.
8. PROVIDE PRISMATIC TEMPERED GLASS WITH CLEAR OVERLAY FOR TYPE "G" FIXTURE POLYCARBONATE.



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



1 ELEVATION - PLAN NORTH
SCALE: 1/8" = 1'-0"



3 NEW RCP
SCALE: 1/4" = 1'-0"

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RESTROOM RENOVATIONS BLDG "B"

FALL CREEK FALLS STATE PARK

PREPARED FOR:

TENNESSEE DEPARTMENT OF CONSERVATION AND ENVIRONMENT

SPENCER TENNESSEE 38585

REVISIONS		
NO.	DATE	COMMENTS
####	####	####

SHEET TITLE

NEW FLOOR PLAN

PROJECT NO. 15200.06	DATE 03-16-2016
DRAWN BY BM	SCALE VARIES
CHECKED BY MC	
SHEET NO. A2.1B	

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