Remodel Marina Restroom

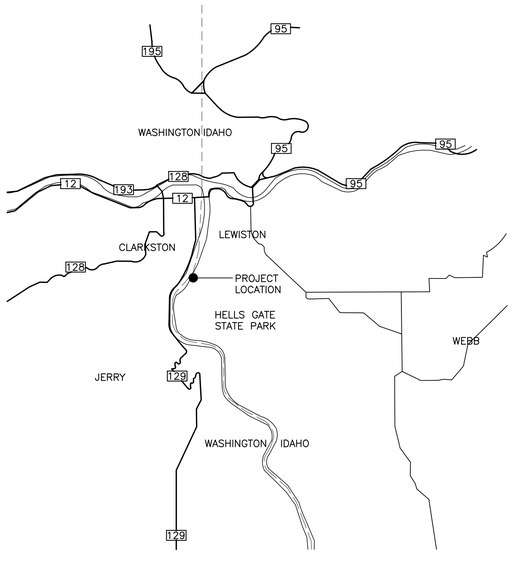
IDAHO DEPARTMENT OF PARKS AND RECREATION

IDPR# 320312

HELLS GATE STATE PARK

4897 Hells Gate Rd., Lewiston, ID 83501

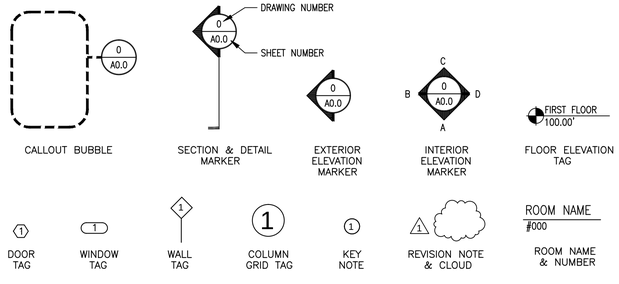
Vicinity Map N.T.S.



Abbreviations

A.F.F. = ABOVE FINISH FLOOR
(E) = EXISTING
EA. = EACH
F.O.F.= FACE OF FINISH
GA. = GAUGE
G.C. = GENERAL CONTRACTOR
GYP. BD. = GYPSUM BOARD
L.L. = LANDLORD
(N) = NEW
W/ = WITH
O.C. = ON CENTER
R.O. = ROUGH OPENING
S.O.H. = SIMILAR OPPOSITE HAND
TYP. = TYPICAL
U.N.O. = UNLESS NOTED OTHERWISE
V.I.F. = VERIFY IN FIELD
MANUF. = MANUFACTURER
MECH. = MECHANICAL
STRUCT. = STRUCTURAL
ELEC. = ELECTRICAL

Symbols



General Notes

1. Do not scale the drawings to obtain dimensions figured dimensions shown on the drawings take precedence over scale drawings – where discrepancies occur that will effect the layout or construction, they shall be reported to the architect for the resolution prior to construction of that area.
2. The contractor shall be solely responsible for all construction means, methods, techniques, sequences, procedures and for coordinating all portions of the work under the contract.
3. All items expressed, drawn, notes, specified within these documents shall be provided and installed by the contractor unless noted otherwise. Any items not included and required are responsibility of the contractor. The contractor is responsible for final clean–up of all exposed surfaces at substantial completion.
4. Contractor shall verify all dimension, elevations and existing conditions prior to commencing with work.
5. The contractor shall do all necessary cutting, patching, cutting and fitting as required to perform the work. All patching, cutting and fitting shall be done with appropriate materials and tools to ensure the highest quality of work.

Project Scope

The project consists of ADA upgrades to the existing restroom building, minor demolition, modifications to electrical, plumbing and mechanical systems including new plumbing fixtures, light fixtures, exhaust fans. New finishes, toilet compartments and millwork. Minor exterior work to include new ADA parking stall.

Code Data

All work is to conform to the requirements of the current International Building Code and any current state and/or city amendments. These codes are to take precedence over the drawings and specifications.

Codes

2018 International Building Code
2018 International Mechanical Code
2015 Idaho State Plumbing Code
2018 International Fire Code
2017 National Electrical Code
2018 International Energy Conservation Code

Building Type Type V–B

Occ. Group U (Utility)

Building Area 710 SQ. FT.

Project Teams

Owner

Company Idaho Depart. of Parks and Recreation
Address 5657 Warm Springs Ave.
City Boise, ID 83712
Phone (208) 995–4478
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Park Manager

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Architect

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SHEET INDEX

Sheet	Sheet Name
ARCHITECTURAL	
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A3.0	Equipment Plan & Equipment / Door / Window Schedules
A4.0	Exterior/ Interior Elevations / Finish Schedule
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M1.1	Mechanical Details
E1.0	Electrical Power Plan
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P1.0	Plumbing Plans
ME	Specifications

Revisions

No.	Revisions	By	Date	Appr.
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	Updated Set per Client Comments	L.E.	9/3	D.M.
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Project Manager Approval

Architect/Engineer of Record

LICENSED ARCHITECT AR-3305 DANIEL K. MULLIN STATE OF IDAHO

Location
4897 Hells Gate Rd.
Lewiston, ID 83501

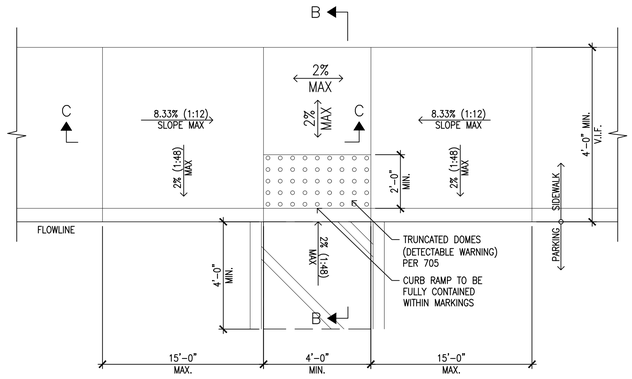
Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

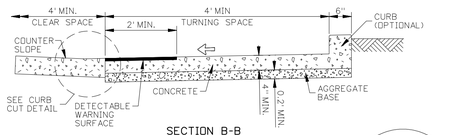
Sheet Title
TITLE SHEET

Scale: As Shown
Drawn By: L.E.
Ch'd By: D.M.
Issue Date: August 2, 2021

Project No. 210209

Sheet T1.0





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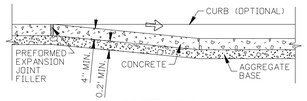

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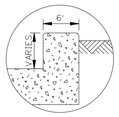
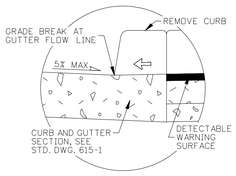
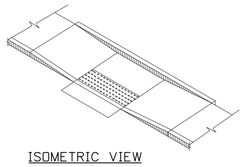


CURB DETAIL



CURB CUT DETAIL



ISOMETRIC VIEW

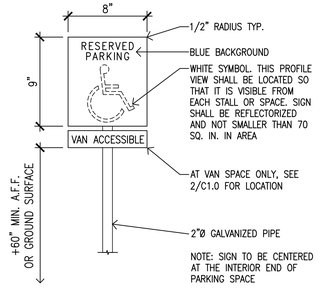
4 DETAIL @ CURB RAMP

3/8" = 1'-0"

NOTE:
ADA PARKING ALTERNATE #1

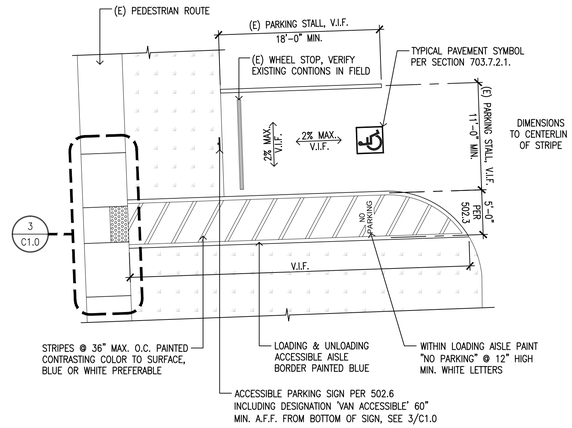
NOTE:
SLOPE AT PARKING STALL & LOADING ZONE NOT TO EXCEED 2% IN ANY DIRECTION.

NOTE:
CURB RAMPS SHALL BE A MIN. 48" WIDE AND NOT EXCEED 8.33% SLOPE.



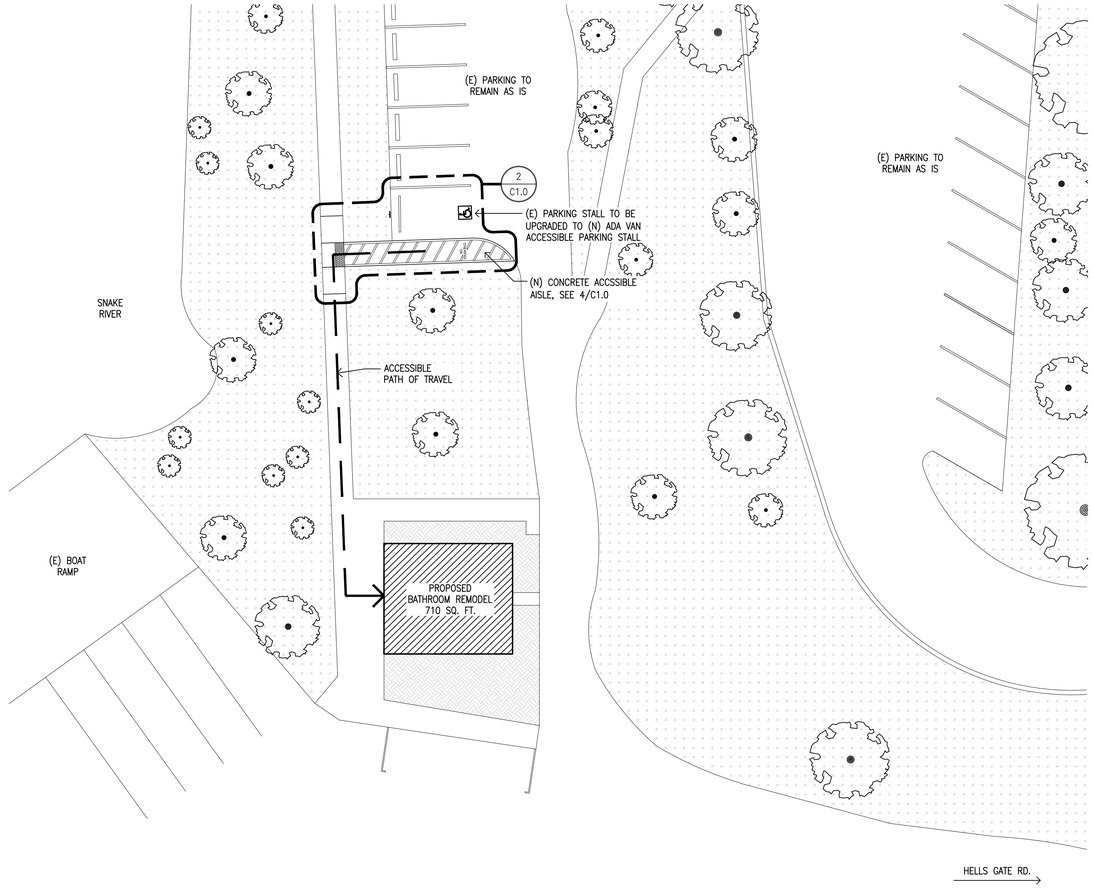
3 DETAIL @ ADA PARKING SIGNAGE

N.T.S.



2 DETAIL @ ADA PARKING STALL

1/8" = 1'-0"



1 SITE PLAN

1/16" = 1'-0"

STATE PARKS IDAHO & RECREATION

Revisions

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Project Manager Approval

Architect/Engineer of Record

LICENSED ARCHITECT AR-2635 DANIEL K. MULLIN STATE OF IDAHO

Location
4897 Hells Gate Rd.
Lewiston, ID 83501

Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

Sheet Title
SITE PLAN

Scale: As Shown
Drawn By: L.E.
Chk'd By: D.M.
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Sheet C1.0

GENERAL NOTES

A. FIELD VERIFY ALL CONDITIONS PRIOR TO BIDDING AND/OR COMMENCEMENT OF WORK.

B. NOTIFY BUILDING OWNER PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK.

C. NOTIFY BUILDING OWNER PRIOR TO CUTTING, REMOVING, ALTERING, OR SHUTTING OFF ANY MECHANICAL SYSTEMS. COORDINATE ALL EFFORTS W/ OWNER OR OWNER'S ON-SITE REPRESENTATIVE. REFER TO ELECTRICAL/ PLUMBING/MECHANICAL DRAWINGS FOR SPECIFIC WORK REQUIRED.

D. PROCEED W/ DEMOLITION IN ACCORDANCE W/ ALL APPLICABLE CODES AND REGULATIONS.

E. COORDINATE W/ BUILDING OWNER RUBBISH REMOVAL PROCEDURES, G.C. RESPONSIBLE FOR DISPOSAL. DISPOSE INS A MANNER COMPLIANT W/ ALL LAWS.

F. PATCH AND REPAIR ALL WALLS TO REMAIN WHICH ARE DAMAGED DURING THE DURATION OF DEMOLITION WORK. PREPARE SURFACES AS REQUIRED FOR APPLICATION OF (N) SCHEDULED FINISHES. MAINTAIN ALL (E) FIRE RATINGS, U.N.O.

G. SALVAGE ITEMS MUST BE REMOVED TIMELY FROM PROPERTY PER BUILDING OWNER, DESIGNATE AND PROTECT TEMPORARY AREA OFF-SITE.

H. GENERAL CONTRACTOR TO PROVIDE CONSTRUCTION BARRICADES AS PER ANY BUILDING OWNER REQUIREMENTS AND ALL AUTHORITIES HAVING JURISDICTION.

Demolition Plan Reference Notes

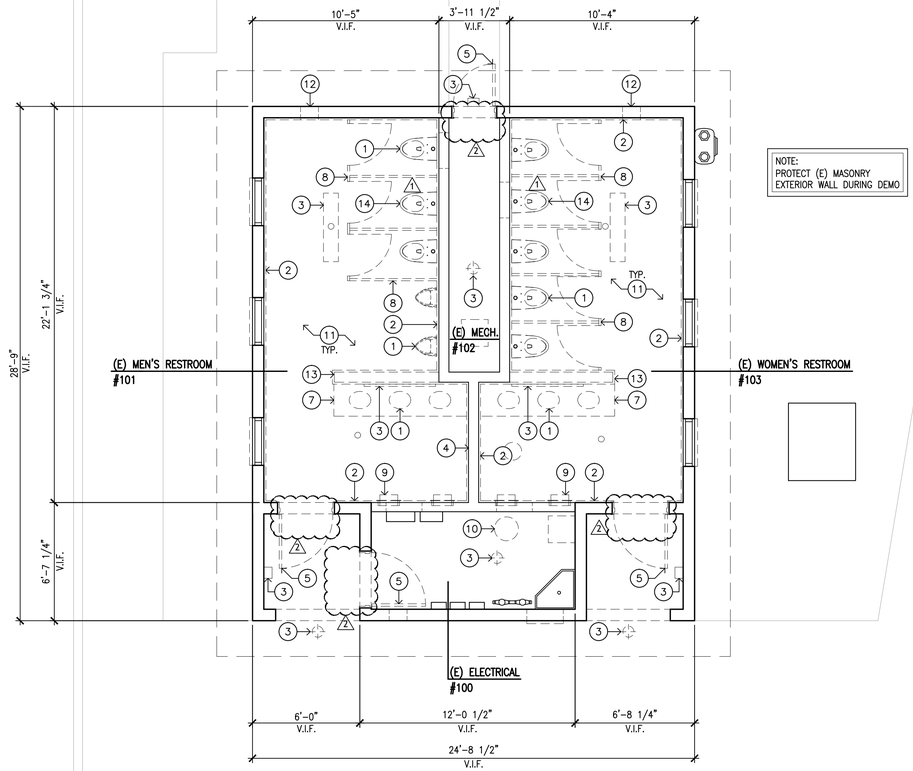
1. (E) PLUMBING FIXTURE TO BE REMOVED, TYP.
2. (E) WAINSCOT TILE TO BE REMOVED COMPLETELY, TYP.
3. (E) LIGHT FIXTURE TO BE REMOVED, TYP.
4. G.C. TO REMOVE WALL FINISH AS REQUIRED FOR (N) ROUGH IN PLUMBING, WALL FRAMING TO REMAIN
5. (E) DOOR, DOOR HARDWARE AND DOOR FRAME TO BE REMOVED COMPLETELY, SEE DOOR SCHEDULE (2)
6. NOT IN USE
7. (E) COUNTER TO BE REMOVED COMPLETELY
8. (E) BATHROOM PARTITION TO BE REMOVED
9. (E) HAND DRYER TO BE REMOVED, TYP., G.C. TO REUSE OPENING FOR (N) HAND DRYER, SEE EQUIPMENT SCHEDULE (1)
10. (E) WATER HEATER TO BE REMOVED
11. (E) TILE FLOOR BE REMOVED COMPLETELY, (E) CONCRETE SLAB TO BE PATCHED, SMOOTHED AND PREPPED FOR (N) FLOOR FINISH PER PLANS
12. (E) VENT TO BE REMOVED, TYP.
13. PORTION OF (E) INTERIOR WALL TO BE REMOVED (1)
14. G.G. TO REMOVE COMPLETELY TOILET FIXTURE, CAP PIPING BEFORE CONCRETE AND PATCH & REPAIR SLAB AS NEEDED

Demolition Legend

(E) CONSTRUCTION TO REMAIN

(E) CONSTRUCTION TO BE REMOVED

NOTE:
ALL FIXTURES SHOULD BE SALVAGED FOR PARK



NOTE:
PROTECT (E) MASONRY EXTERIOR WALL DURING DEMO

NOTE:
ALL DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS OTHERWISE NOTED.

NORTH

2 DEMOLITION PLAN

1/4" = 1'-0"

Floor Plan Reference Notes

1a. (E) EXTERIOR MASONRY WALL TO REMAIN, G.C. TO APPLY SEALER ABOVE (N) TILE FINISH PER MANUF. SPECS. AND FINISH PER INTERIOR ELEVATIONS (1)

1b. G.C. TO FURR-OUT EXTERIOR WALL AS NEEDED IN ORDER FOR (E) PLUMBING CONNECTIONS TO BE REUSED @ (N) FLOOR-MOUNTED ADA TOILET, SEE INTERIOR ELEVATIONS

2. (E) INTERIOR WALL TO REMAIN, FINISH PER INTERIOR ELEVATIONS

3. (E) FLOOR DRAIN FOR REUSE, G.C. TO SALVAGE AFTER DEMO

4. (N) HDPE TOILET PARTITION, VERIFY DIMENSIONS IN FIELD, FLOOR-TO-CEILING PARTITION SUPPORT PANELS EITHER SIDE OF DOORS AT ADA TOILET STALL, SEE INTERIOR ELEVATIONS

5. (N) 2'-0" DEEP LAVATORY COUNTER MOUNTED AT 2'-8" A.F.F., W/ SOLID SURFACE TOP

6. (E) ELECTRICAL EQUIPMENT TO REMAIN, TYP., SEE ELECTRICAL PLAN

7. (N) PLUMBING FIXTURE, TYP., SEE EQUIPMENT PLAN & SCHEDULE, G.C. TO PLACE (N) TOILETS & URINALS ON EXTACT SAME LOCATIONS AS (E) ONES, AND REUSE (E) PIPING (1)

8. (E) MOP SINK TO REMAIN, REPAIR AS NEEDED

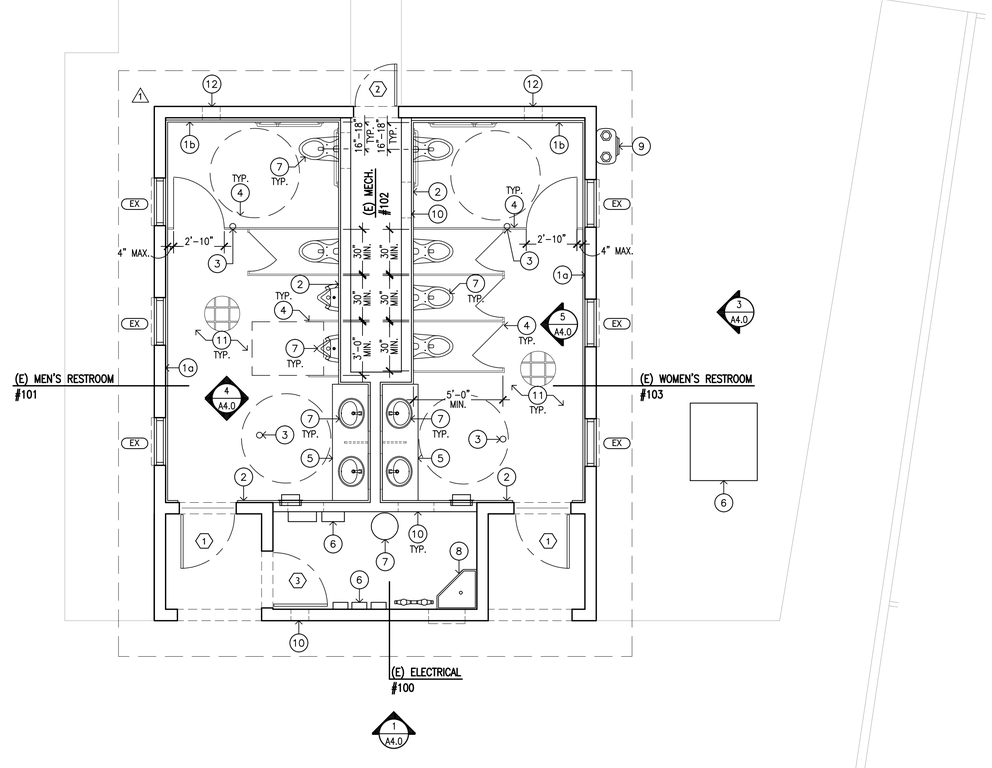
9. (E) GAS METER AND SYSTEM TO REMAIN, PROTECT DURING DEMO AND CONSTRUCTION

10. (E) SIDEWALL REGISTER, REAPAIR AS NEEDED

11. G.C. TO INSTALL (N) FLOOR TILE (T-1) IN MEN'S AND WOMEN'S BATHROOM, SEE FINISH SCHEDULE (1)

12. G.C. TO PROVIDE (N) AIR VENT, VERFIFY (E) DIMENSIONS IN FIELD

2 / A4.0



NOTE:
SEE A3.0, EQUIPMENT PLAN, FOR FIXTURES AND ACCESSORIES SPECS. AS WELL AS DOOR AND HARDWARE SCHEDULE

NORTH

1 FLOOR PLAN

1/4" = 1'-0"

STATE PARKS & RECREATION IDAHO

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Project Manager Approval

Architect/Engineer of Record

LICENSED ARCHITECT AR-3843 DANIEL K. MULLIN STATE OF IDAHO

Location
4897 Hells Gate Rd.
Lewiston, ID 83501

Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

Sheet Title
DEMOLITION PLAN AND FLOOR PLAN

Scale: As Shown
Drawn By: L.E.
Chk'd By: D.M.
Issue Date:
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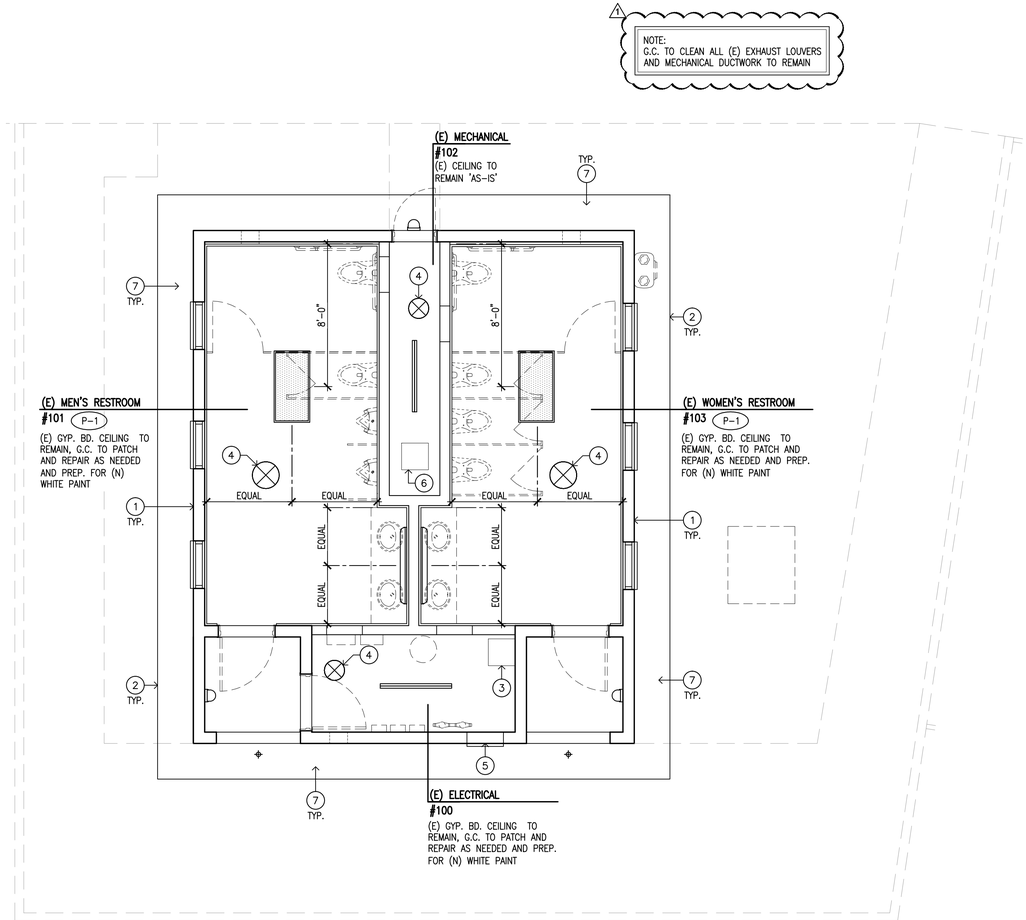
Project No. 210209

Sheet A1.0



1 NOTE:
G.C. TO CLEAN ALL (E) EXHAUST LOUVERS AND MECHANICAL DUCTWORK TO REMAIN

Reflected Ceiling Plan Reference Notes

1. (E) EXTERIOR WALL
2. OUTLINE OF (E) ROOF OVERHANG
3. (E) CENTRIFUGAL FAN TO REMAIN, SEE MECHANICAL
4. (N), DIFFUSER, SEE MECHANICAL
5. (E) EXHAUST LOUVER
6. (E) RETURN GRILLE, SEE MECHANICAL
7. G.C. TO CLEAN, PATCH AND REPAIR AS NEEDED UNDERSIDE OF ROOF OVERHANG, TYP.

1 REFLECTED CEILING PLAN
1/4" = 1'-0"

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Project Manager Approval

Architect/Engineer of Record

LICENSED ARCHITECT AR-2005 DANIEL K. MULLIN STATE OF IDAHO

Location
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Sheet Title
REFLECTED CEILING PLAN

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Sheet
A2.0

DOOR HARDWARE		
GROUP	QUANTITY	DESCRIPTION
1	3 Hinges per Door	MC T4A3386, 4 1/2"x4 1/2", US 32D
	1 Mortise Deadlock	BE 3L SERIES, 606 FINISH
	1 Closer	LC 4040 SERIES
	1 Kick Plate	RO K1050 US32D316
	1 Door Stop	RO 416, 626 FINISH
	1 Perimeter Weather Strip	PE 290V
	1 Door Bottom	PE 217V
	1 Push	RO 73B, 626 FINISH
	1 Pull	RO 106, 626 FINISH
	1 Threshold	PE 271
2	3 Hinges per Door	MC T4A3386, 4 1/2"x4 1/2", US 32D
	1 Mortise Deadlock	SC L9946ST,03L 626 FINISH
	1 Closer	LC 4040 SERIES
	1 Kick Plate	RO K1050 US32D316
	1 Door Stop	RO 416, 626 FINISH
	1 Perimeter Weather Strip	PE 290V
	1 Door Bottom	PE 217V
	1 Push	RO 73B, 626 FINISH
	1 Pull	RO 106, 626 FINISH
	1 Threshold	PE 271

Door Schedule

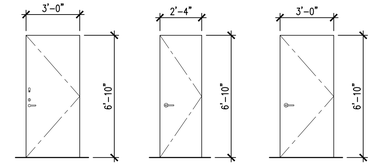
DOOR TYPE	QUANTITY	SIZE WIDTH	SIZE HEIGHT	SIZE DEPTH	MATERIAL DOOR	MATERIAL FINISH	MATERIAL GLASS	MATERIAL FRAME	MATERIAL FINISH	HARDWARE	FIRE RATING	MANUFACTURER	REMARKS
1	2	3'-0"	6'-10"	1 3/4"	HM	P	–	HM	P	1	NR	CECO DOOR PRDUCTS, CURRIES COMPANY, REPUBLIC BUILDERS PRODUCT COMPANY, OR EQUAL	1. VERIFY (E) DOOR, FRAME AND ROUGH OPENING DIMENSIONS PRIOR TO ORDERING. 2. PROVIDE DOOR SIGNAGE, SEE A5.0
2	1	2'-4"	6'-10"	1 3/4"	HM	P	–	HM	P	2	NR		
3	1	3'-0"	6'-10"	1 3/4"	HM	P	–	HM	P	2	NR		

AL ALUMINUM, BKA BLACK ANODIZED, BZA BRONZE ANODIZED, CA CLEAR ANODIZED, MTL METAL, P PAINT, SC SOLID CORE FACTORY FINISH, HC HOLLOW CORE, HM HOLLOW METAL

(EX) = EXISTING

2

1. VERIFY DOOR SWINGS ON PLANS
2. HARDWARE FURNISHED AND INSTALLED BY CONTRACTOR
3. FINISHES TO MATCH EXISTING GLAZING/FRAMING
4. FIELD VERIFY EXISTING OPENINGS



1 VERIFY DOOR SWINGS ON PLANS

2 VERIFY DOOR SWINGS ON PLANS

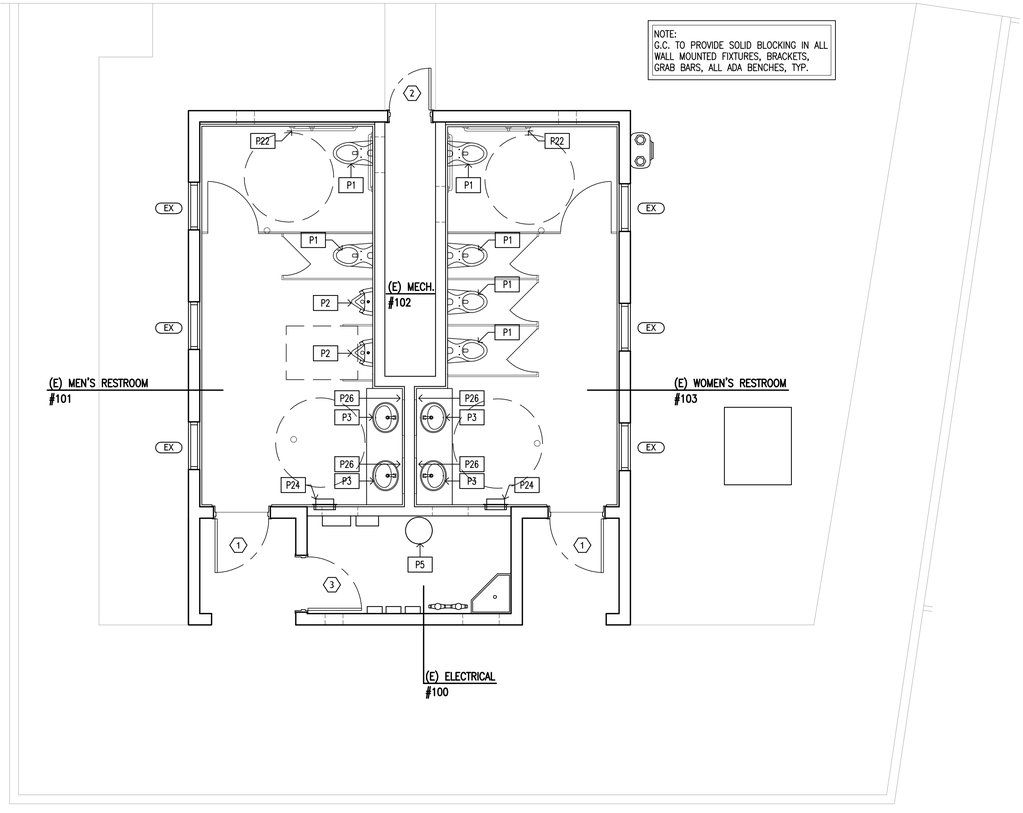
3 VERIFY DOOR SWINGS ON PLANS

EQUIPMENT SCHEDULE (IMPORTANT NOTE: EQUIPMENT SUBJECT TO CHANGE. G.C. TO CONFIRM EQUIPMENT WITH TENANT PRIOR TO CONSTRUCTION)

T = TENANT E = EXISTING L = LANDLORD GC = GENERAL CONTRACTOR M = MANUFACTURER OR SUPPLIER V = VENDOR NA = NOT APPLICABLE

MARK	QUANTITY	ITEM DESCRIPTION	MANUFACTURER	PRODUCT NUMBER	FURNISHED BY	INSTALLED BY	REMARKS
PLUMBING FIXTURES							
P1	6	WATER CLOSET FLOOR-MOUNT (ADA COMPLIANT) 1	KOHLER HIGHCLIFF OR EQUAL	K-96057-0 WHITE 1 2	GC	GC	W/ BOLTS CAPS AND K-4670-C SEAT (WHITE), BOLT CAPS AND SLOAN REGAL XL 111 FLUSH VALVE. FLUSH VALVE AND RELATED PIPING TO BE INSTALLED ON WIDE SIDE OF FIXTURE, SECURE PIPING IN WALL SERVING FLUSH VALVE
P2	2	URINAL (ADA COMPLIANT)	KOHLER	K-4991-ETSS WHITE	GC	GC	W/ SLOAN REGAL XL 111 FLUSH VALVE. FLUSH VALVE AND RELATED PIPING TO BE INSTALLED ON OPPOSITE SIDE OF WALL SERVING FIXTURE.
P3	4	LAVATORY, DROP-IN (ADA OVAL)	KOHLER	K-2196-4-0 WHITE	GC	GC	W/ DELTA SOLINE 15714LF HIGH ARC SINGLE-LEVER MIXING FAUCET IN CHROME W/ .5 GPM VANDAL RESISTANT AERATOR, GRID STRAINER, LOOSE KEY STOPS, TRAP W/ TAILPIECE AND OFFSET WHEELCHAIR TRAP. INSTALL HANDLE LIMIT STOP KIT WITHIN SINGLE LEVER MIXING FAUCET TO LIMIT OUTLET HOT WATER SUPPLY TEMPERATURE TO 110°F. PROVIDE TUEBRO INC. MODEL 103 CLOSED CELL VINYL HANDICAPPED INSULATION KIT WITH OFFSET TAILPIECE ACCESSORY, FASTENERS FOR TRAP AND HOT AND COLD WATER ANGLE STOP VALVES.
P4	0	MOP SINK (FLOOR MOUNT)	–	–	NA	NA	
P5	1	ELECTRIC WATER HEATER	NATIONAL STEEL CONSTRUCTION OR EQUAL	NSG10 OR EQUAL	GC	GC	G.C. TO VERIFY (E) HEATER IN FIELD AND REPLACE W/ SIMILAR MODEL, SEE MEP DRAWINGS
TOILET ACCESORIES							
P20	0	TOILET SEAT COVER DISPENSER	–	–	NA	NA	
P21	0	TOILET PAPER DISPENSER	–	–	NA	NA	
P22	2	GRAB BARS	BOBRICK	B-5806-36 B-5806-42 B-5806-18	GC	GC	
P23	0	SANITARY NAPKIN DISPOSAL	–	–	NA	NA	
P24	2	ELECTRONIC HAND DRYER	THINAIR	TA-ABS	GC	GC	G.C. TO PROVIDE POWER, GFI, SEE PRODUCT TECHNICAL DATA SHEET FOR SUGGESTED MOUNTING HEIGHTS
P25	0	SOAP DISPENSER, WALL-MOUNT	–	–	NA	NA	
P26	4	STAINLESS STEEL MIRROR	VANDAL STOP PRODUCTS	AA-PSM-PL-24X48	GC	GC	G.C. TO PROVIDE SOLID BLOCKING, SEE MANUF. SPECS. FOR ADDITIONAL REQ.

1



1 EQUIPMENT PLAN

1/4" = 1'-0"

STATE PARKS & RECREATION IDAHO

Revisions

No.	Revisions	By	Date	Appr.
	ISSUED SET		8/25	
	Updated Set per Client Comments	L.E.	9/3	D.M.
1	Amendments to Issued Set	L.E.	10/11	D.M.
2	Additional Amendments to Set	L.E.	10/19	D.M.

ARCHITECTS
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MEP ENGINEERS
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Project Manager Approval

Architect/Engineer of Record

LICENSED ARCHITECT AR-3265 DANIEL K. MULLIN STATE OF IDAHO

Location
4897 Hells Gate Rd.
Lewiston, ID 83501

Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

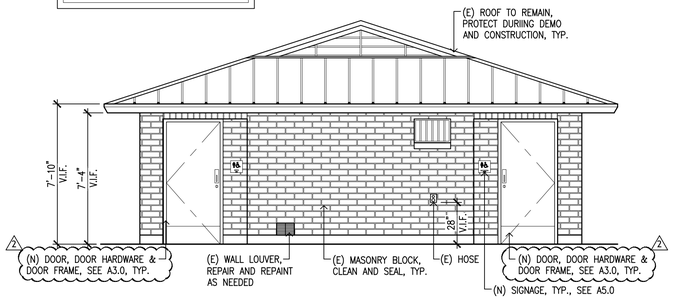
Sheet Title
EQUIPMENT PLAN AND SCHEDULES

Scale: As Shown
Drawn By: L.E.
Chk'd By: D.M.
Issue Date: August 2, 2021

Project No. 210209

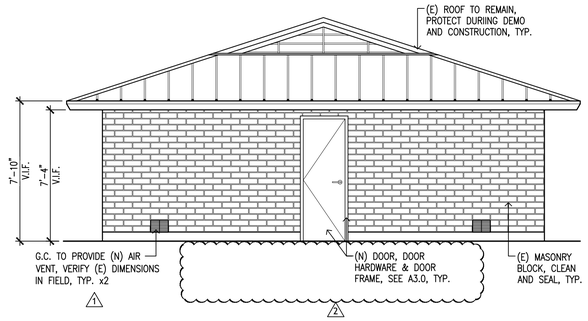
Sheet A3.0

NOTE:
REMOVE (E) MATERIALS AND INFILL AREAS, PATCH IN AND REPAIR ADJACENT (E) MATERIALS AS REQ'D. FOR A UNIFORM FINISH WHEN COMPLETE



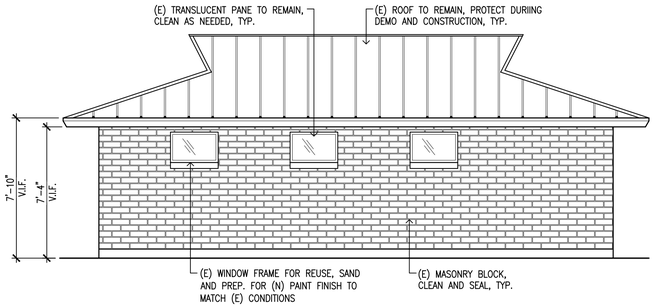
1 EXTERIOR ELEVATION @ FRONT ELEVATION

1/4" = 1'-0"



2 EXTERIOR ELEVATION @ REAR ELEVATION

1/4" = 1'-0"



3 EXTERIOR ELEVATION @ SIDE ELEVATION

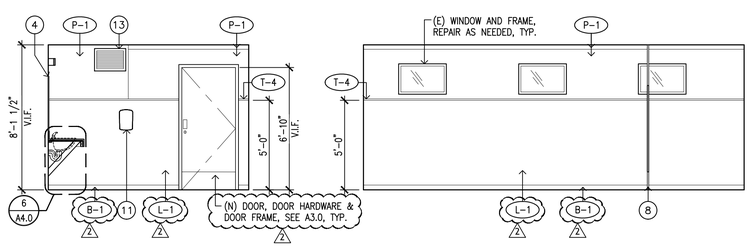
1/4" = 1'-0"

NOTE:
GENERAL CONTRACTOR SHALL VERIFY TILE AND PAINT COLOR WITH ARCHITECT PRIOR TO ORDER

NOTE:
G.C. TO VERIFY EXACT WALL TILE QUANTITIES NEEDED IN FIELD. WASTE % TO BE DETERMINED BY G.C. AND TILE VENDOR

NOTE:
G.C. TO PROVIDE DOOR PULLS ON BOTH SIDES @ 34" A.F.F. MIN. & 48" A.F.F. MAX. FOR ACCESSIBLE WATER CLOSET COMPARTMENT DOORS

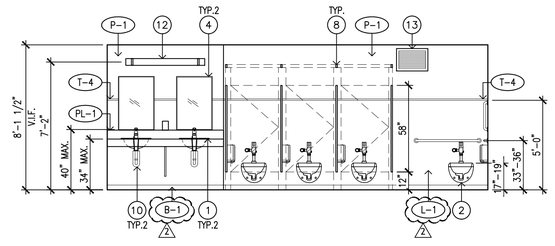
NOTE:
G.C. TO PROVIDE SOLID BLOCKING IN ALL WALL MOUNTED FIXTURES, BRACKETS, GRAB BARS, TYP.



4 INTERIOR ELEVATION @ (E) MEN'S RESTROOM (WOMEN'S S.O.H.)

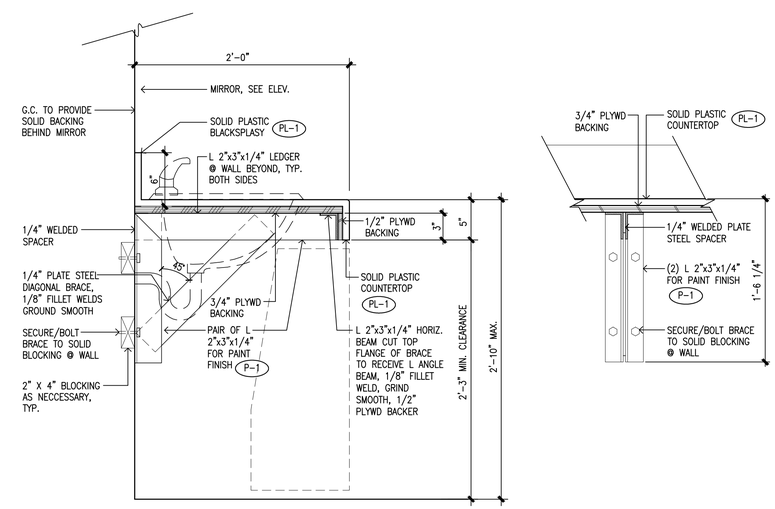
1/4" = 1'-0"

SEE A5.0 FOR MOUNTING HEIGHTS AND LOCATIONS



5 INTERIOR ELEVATION @ (E) WOMEN'S RESTROOM

1/4" = 1'-0"



6 COUNTER SECTION DETAIL

1 1/2" = 1'-0"

Elevation Reference Notes

1. U/C MOUNTED LAVATORY
2. ACCESSIBLE WATER CLOSET
3. ACCESSIBLE URINAL
4. WALL-MOUNTED STAINLESS STEEL MIRROR, EDGE OF REFLECTIVE SURFACE AT 40" A.F.F. MAX., G.C. TO PROVIDE SOLID BLOCKING
5. 36" GRAB BAR
6. 42" GRAB BAR
7. 18" VERTICAL GRAB BAR
8. HDPE PARTITIONS, G.C. TO PROVIDE AND INSTALL SOLID BLOCKING IN WALL, TYP., G.C. TO PROVIDE SELF-CLOSING HINGES FOR THE ACCESSIBLE WATER CLOSET COMPARTMENT DOORS, FLOOR-TO-CEILING SUPPORT AT ADA STALL
9. NOT IN USE
10. INSULATE EXPOSED HOT AND COLD WATER PIPING AND WASTE PIPING
11. SENSOR-OPERATED HAND DRYER MOUNTED, SEE PRODUT TECHNICAL DATA SHEET FOR SUGGESTED MOUNTING HEIGHTS, G.C. TO PROVIDE POWER
12. WALL-MOUNTED LIGHTING FIXTURE, VERIFY MOUNTING HEIGHT W/ CLIENT, SEE A2.0 FOR LIGHTING SCHEDULE
13. (E) SIDEWALL REGISTER/ LOUVER, REPAIR AS NEEDED
14. G.C. TO PROVIDE (N) AIR VENT, VERIFY (E) DIMENSIONS IN FIELD

NOTE:
WALL TILE FINISH - ALTERNATE #3

T-2: DALTILE/ MATTE DESERT GRAY X714 - 3"X6" W/LATICRETE GROUT 1/16" JOINTS - #88 SILVER SHADOW

T-3: DALTILE/ MATTE DESERT GRAY X714 - COVE BASE A3361MOD 3"X6" W/LATICRETE GROUT 1/16" JOINTS - #88 SILVER SHADOW

T-4: DALTILE/ MATTE DESERT GRAY X714 - QUARTER ROUND A106 1"X6" W/LATICRETE GROUT 1/16" JOINTS - #88 SILVER SHADOW

MATERIAL & COLOR LEGEND

NOTE: G.C. TO REVIEW PLANS AND ELEVATIONS FOR ALL SPACES

	MARK	STYLE	MANUFACTURER	TYPE / COLOR	FIRE CLASSIFICATION FLAME SPREAD INDEX/SMOKE DEVELOP RATE
FLOORING	T-1	FLOOR TILE	DALTILE	HARMONIST - AMBIANCE HM24 - 12"X12" W/LATICRETE GROUT 1/16" JOINTS - #88 SILVER SHADOW	Class A
WALL COVERING	L-1	WALL LAMINATE	FORMICA OR EQUAL	HARDSTOP PANEL - ALUMINIUM 9318	Class A
	B-1	WALL BASE PROFILE	SCHLUTER OR EQUAL	DESIGNBASE-SL 3 1/8" - DB ST 80 AE	Class A
	T-4	METAL TRIM	FORMICA OR EQUAL	HARDSTOP - AT40 END CAP / 104 BLACK	Class A
BUILD. BOARD	CM-1	CEMENT BOARD	DURA-ROCK OR EQUAL	WATER RESISTANT CEMENT BOARD	N/A
	GB-1	GYPSUM BOARD	T.B.D. BY G.C.	WATER RESISTANT	Class A/10-15
PAINT	P-1	PAINT	SHEERWING WILLIAMS	DOVER WHITE #6385 PM 200, EGGSHELL	Class A
LAMIN.	PL-1	SOLID PLASTIC LAMINATE	FORMICA	GAMMA GRAY 417	Class A

STATE PARKS & RECREATION IDAHO

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LICENSED ARCHITECT AR-3265 DANIEL K. MULLIN STATE OF IDAHO

Location
4897 Hells Gate Rd.
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Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

Sheet Title
EXTERIOR AND INTERIOR ELEVATIONS

Scale: As Shown
Drawn By: L.E.
Chk'd By: D.M.
Issue Date:
August 2, 2021

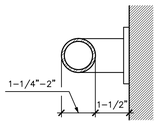
Project No. 210209

Sheet A4.0

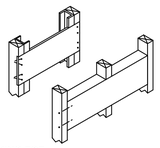
HANDICAPPED TOILET DETAIL

NOTE:
ALL NEW PLUMBING FIXTURE TO COMPLY WITH LOCAL LAW 58/87 & A.D.A. REGULATIONS

NOTE:
ALL NEW TOILETS TO BE FLOOR MOUNTED FLUSHOMETERS

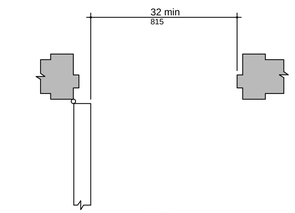


GRAB BAR DETAIL
SCALE: 3" = 1'-0"



LET-IN BLOCKING W/ 4-16 NAILS ANGLED IN ALT-DIRECTIONS EACH SIDE FOR MULTIPLE GRAB BAR LOCATION

BACK-UP BLOCKING FOR GRAB-BAR MOUNTING

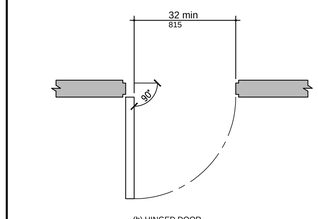


(a) DETAIL

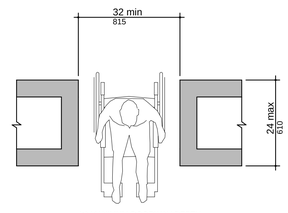
ANSI A117.1-2010, 404.2.3

HANDICAP CLEAR DOORWAY WIDTH AND DEPTH

NOT TO SCALE

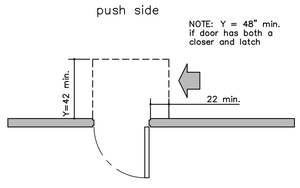


(b) HINGED DOOR

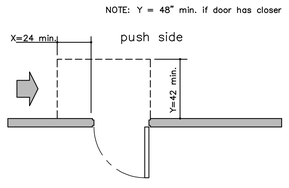


(e) MAXIMUM DOORWAY DEPTH

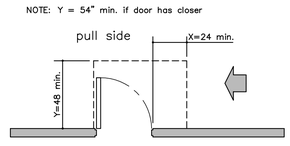
Note:
When depth of opening greater than 24" clear opening must be minimum of 36" per ANSI A117.1-2010 , 404.2.3



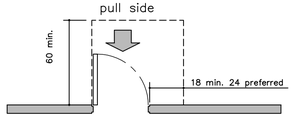
SIDE APPROACH - SWINGING DOOR



LATCH SIDE APPROACH - SWINGING DOOR



LATCH SIDE APPROACH - SWINGING DOOR

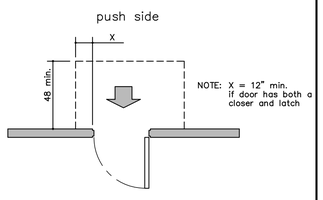


FRONT APPROACH - SWINGING DOOR

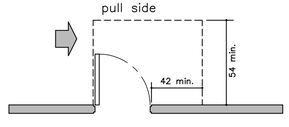
ANSI A117.1, 2010, 404.2.4.1

HANDICAP DOOR CLEARANCES

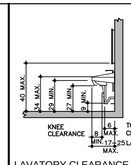
NOT TO SCALE



FRONT APPROACH - SWINGING DOOR

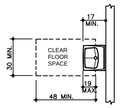


HINGE SIDE APPROACH - SWINGING DOOR

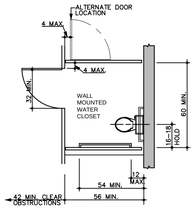


LAVATORY CLEARANCE

REINFORCED AREAS FOR INSTALLATION OF GRAB-BAR

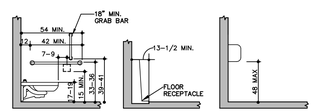


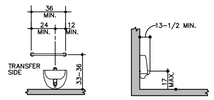
CLEAR FLOOR SPACE



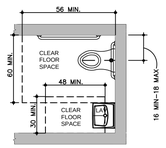
Note:
59" depth required for floor mounted toilets per ICC/ANSI A117.1-2010 Figure 604.8.1.1

WALL MOUNTED WATER CLOSET
NOT TO SCALE (REFER TO SHEET A5.0)

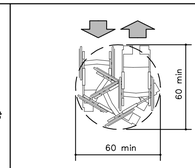




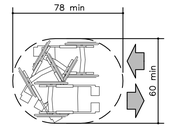
WATER CLOSETS, URINALS AND HANDRYER



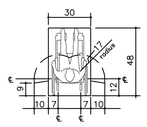
FIXTURE'S CLEAR LOCATION ICC/ANSI A117.1-2010, 604.3.3



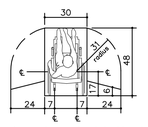
Wheelchair Turning Space



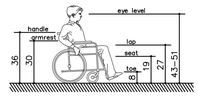
Space Needed for U-turn



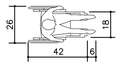
Dimensions of Adult-Sized Wheelchair



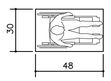
Dimensions of Adult-Sized Wheelchair



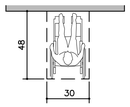
Dimensions of Adult-Sized Wheelchair



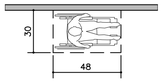
Dimensions of Adult-Sized Wheelchair



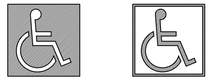
Clear Floor Space



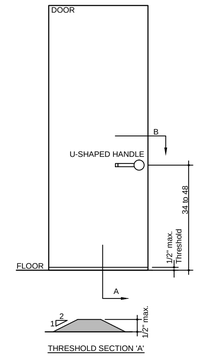
Forward Approach



Parallel Approach



Signage Proportions



404.2.7 DOOR HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. THEY SHALL BE MOUNTED WITHIN REACH RANGES SPECIFIED IN 4.2 (ANSI A117.1). LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS.

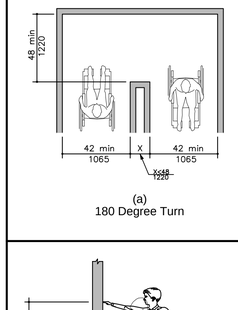
404.2.8.1 DOOR CLOSERS. IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO AN OPEN POSITION OF APPROXIMATELY 12 DEGREES.

404.2.9 DOOR-OPENING FORCE. THE MAXIMUM FORCE, EXPRESSED IN POUND-FORCE (lbf) AND NEWTONS (N), FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:
(1) FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.
(2) OTHER DOORS:
(a) EXTERIOR HINGED DOORS: 8.5 lbf (37.8 N)
(b) INTERIOR HINGED DOORS: 5 lbf (22.2 N)
(c) SLIDING OR FOLDING DOORS: 5 lbf (22.2 N)
THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.

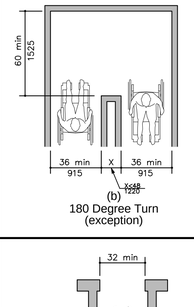
ANSI A117.1 2010, 404.2.7 thru 404.2.9

HANDICAP DOOR HARDWARE

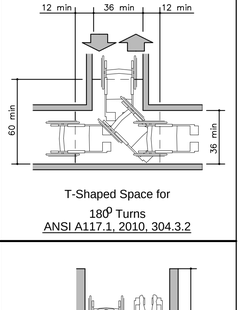
NOT TO SCALE



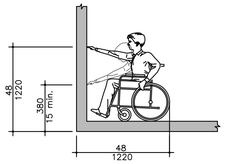
(a) 180 Degree Turn



(b) 180 Degree Turn (exception)



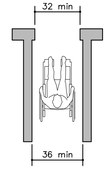
T-Shaped Space for 180° Turns
ANSI A117.1, 2010, 304.3.2



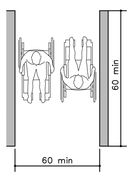
(a) FORWARD REACH LIMIT FORWARD REACH

ANSI A117.1, 2010, 308.2.1

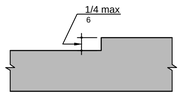
SPACE ALLOWANCES AND REACH RANGE



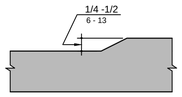
Minimum Clear Width for Single Wheelchair
ANSI A117.1, 2010, 403.5.1



Passing Space Minimum Clear Width for Two Wheelchairs
ANSI A117.1, 2010, 403.5.3



(c) VERTICAL CHANGES IN LEVEL

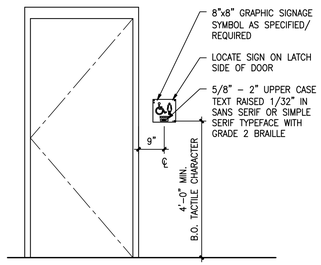


(d) BEVELED CHANGES IN LEVEL

ANSI A117.1, 2010, 303.2 thru 303.3

ACCESSIBLE ROUTES AND GROUND AND FLOOR SURFACES

NOT TO SCALE



DOOR SIGNAGE

A. MATCH DESIGN TO EXISTING SIGANGE LOCATED AT NEW RESTROOM BUILDING. SUBMIT TO ARCHITECT FOR REVIEW AND APPROVAL.
1. MATERIAL: CAST-ACRYLIC SHEET
2. PERIMETER: UNFRAMED
3. COPY: RAISED
4. CHARACTER STYLE: HELVETICA
5. TEXT: ACCORDING TO REQUIREMENTS IN SECTION 703 OF THE ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS)
   a. 'WOMEN' WITH INTERNATILAL SYMBOL OF ACCESSIBILITY DOOR (SEE PLANS)
   b. 'MEN' WITH INTERNATILAL SYMBOL OF ACCESSIBILITY DOOR (SEE PLANS)
6. MESSAGE:FIXED
7. SIZES:
   a. SIGN: 8 INCHES WIDE x 8 INCHES HEIGHT
   b. CHARACTER: MINIMUM 1-INCH-HIGH CHARACTERS
8. COLORS:
   a. CHARACTER: WHITE
   b. BACKGROUNG: RICH BROWN (MATTE FINISH)

HANDICAP SIGNAGE MOUNTING

NOT TO SCALE

STATE PARKS & RECREATION IDAHO

Revisions

No.	Revisions	By	Date	Appr.
	ISSUED SET		8/25	
	Updated Set per Client Comments	L.E.	9/3	D.M.
1	Amendments to Issued Set	L.E.	10/11	D.M.

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Project Manager Approval

Architect/Engineer of Record

LICENSED ARCHITECT AM-9305 DANIEL K. MULLIN STATE OF IDAHO

Location
4897 Hells Gate Rd.
Lewiston, ID 83501

Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

Sheet Title
ACCESSIBILITY DETAILS

Scale: As Shown
Drawn By: L.E.
Chk'd By: D.M.
Issue Date:
August 2, 2021

Project No.
210209

Sheet
A5.0

TECHNICAL SPECIFICATIONS
TABLE OF CONTENTS

DIVISION 1 - GENERAL REQUIREMENTS

01010 - SUMMARY OF WORK:

1.1 SECTION INCLUDES
- A. Scope of Work.
- B. Contractor use of site and premises.
- C. Owner occupancy.

1.2 SCOPE OF WORK
- A. Hells Gate State Park - Restroom Remodel - IDPR Project No. 320312

  The project scope consists of ADA upgrades to the existing restroom building, minor demolition, modifications to electrical, plumbing and mechanical systems including new plumbing fixtures, light fixtures, vent fans and wall/ floor finishes

1.3 CONTRACTOR USE OF SITE AND PREMISES
- A. Limit use of site and premises under construction to allow:
  1. Owner occupancy.
  2. Work by others.
- B. The Owner will continue to have access to the site and operate the Park for public use. Contractor shall coordinate scheduling of work to minimize disruption of Owner's operations, and the work shall be completed as quickly and efficiently as possible.
- C. Contractor and subcontractors can stay on-site in a designated site approved by Park staff. Fees will be waived. No one other than the contractor or subcontractor is allowed to stay at the site.

1.4 OWNER OCCUPANCY
- A. The Owner will occupy all other park facilities during the entire period of construction for the conduct of normal operations.
- B. Cooperate with Owner to minimize conflict.
- C. Schedule the Work to accommodate this requirement.
- D. Coordinate with park staff for special events.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01010

01019 - CONTRACT CONSIDERATIONS

PART 1 - GENERAL

1.1 SECTION INCLUDES
- A. Schedule of Values.
- B. Application for Payment.
- C. Change procedures.
- D. Alternates.

1.2 SCHEDULE OF VALUES
- A. Submit typed schedule on AIA Form G703 Application and Certificate for Payment Continuation Sheet. Contractor's standard form or electronic media printout will be considered.
- B. Submit Schedule of Values in duplicate within 15 days after date of Owner Contractor Agreement.
- C. Format: Utilize the Table of Contents in the Specification Sheets. Identify each line item with number and title of the major specification Section. Identify site mobilization bonds and insurance.
- D. Include within each line item, a direct proportional amount of Contractor's overhead and profit.
- E. Revise schedule to list approved Change Orders, with each Application For Payment.

1.3 APPLICATIONS FOR PAYMENT
- A. Submit two (2) copies of each application on DPW Form Contractor Request for Payment.
- B. Payment Period: As stipulated in Contract.

1.4 CHANGE PROCEDURES
- A. The Owner's Representative will advise of minor changes in the Work not involving stated in the Owner Contractor an adjustment to Contract Sum/Price or Contract Time as Agreement by issuing supplemental instructions on AIA Form G710.
- B. The Owner's Representative may issue a Proposal Request which includes a detailed description of a proposed change with supplementary or revised Drawings and specifications, a change in Contract Time for executing the change. Contractor will prepare and submit an estimate within seven (7) days.
- C. The Contractor may propose changes by submitting a request for change to the Owner's Representative, describing the proposed change and its full effect on the Work. Include a statement describing the reason for the change, and the effect on the Contract Sum/Price and Contract Time with full documentation and a statement describing the effect on Work by separate or other contractors. Document any requested substitutions in accordance with Section 01600.
- D. Stipulated Sum/Price Change Order: Based on Proposal Request Contractor's fixed and price quotation or Contractor's request for a Change Order as approved by Owner's Representative.
- E. Construction Change Authorization: Architect may issue a directive, on AIA Form G713 Construction Change Directive signed by the Owner's Representative, instructing the Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order. Document will describe changes in the Work, and designate method of determining any change in Contract Sum/Price or Contract Time. Promptly execute the change.
- F. Execution of Change Orders: Owner's Representative will issue Change Orders for signatures of parties as provided in the Conditions of the Contract.

1.5 ALTERNATIVES
- A. Alternatives quoted on Bid Forms will be reviewed and accepted or rejected at the Owner's option. Accepted Alternatives will be identified in Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work as required.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01019

01039 - COORDINATION AND MEETINGS

PART 1 - GENERAL

1.1 SECTION INCLUDES
- A. Coordination.
- B. Alteration project procedures.
- C. Preconstruction conference.
- D. Progress meetings.

1.2 COORDINATION
- A. Contractor shall provide a full time Superintendent, on site throughout the course of the project to facilitate the coordination of the work. Approval by the Owner's Representative is required for change of the Superintendent during the course of the work.
- B. Coordinate scheduling, submittals, and Work of the various Sections of specifications to assure efficient and orderly sequence of installation of interdependent construction elements.
- C. Verify that utility requirement characteristics of operating equipment are compatible with utilities. Coordinate work of various Sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- D. Coordinate space requirements and installation of mechanical and electrical work which are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit, as closely as practicable; place runs parallel with line of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
- E. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
- F. Coordinate completion and clean up of Work of separate Sections in preparation for Substantial Completion and for portions of Work designated for Owners partial occupancy.
- G. After Owner acceptance of facilities, coordinate access to site for correction of defective Work and Work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

1.3 ALTERATION PROJECT PROCEDURES
- A. Materials: As specified in product Sections; match existing products and work for patching and extending work.
- B. Close openings in exterior surfaces to protect existing work from weather and extremes of temperature and humidity.
- C. Remove, cut, and patch work in a manner to minimize damage and to provide a means of restoring products and finishes to original condition.
- D. Refinish visible existing surfaces to remain, to specified condition for each material, with a neat transition to adjacent finishes.
- E. Where new work abuts or aligns with existing, perform a smooth and even transition. Patched work to match existing adjacent work in texture and appearance.
- F. When finished surfaces are cut so that a smooth transition with new work is not possible, terminate existing surface along a straight line at a natural line of division and make recommendation to Architect.
- G. Where a change of plane of 1/4 inch or more occurs, submit recommendation for providing a smooth transition for Owner's representative review.
- H. Patch or replace portions of existing surfaces which are damaged, lifted, discolored, or showing other imperfections.
- I. Finish work as specified in individual product Sections.

1.4 PRECONSTRUCTION CONFERENCE
- A. Owner's Representative will schedule a conference after Notice of Intent to Award.
- B. Attendance Required: Owner, Architect, Contractor, and Project Superintendent.
- C. Agenda:
  1. Execution of Owner Contractor Agreement.
  2. Submission of executed bonds and insurance certificates.
  3. Distribution of Contract Documents.
  4. Submission of list of Subcontractors, list of products, Schedule of Values, and progress schedule.
  5. Designation of personnel representing the parties in Contract, and the Architect.
  6. Procedures and processing of field decisions, submittals, substitutions,applications for payments, proposal request, Change Orders and Contract closeout procedures.
  7. Scheduling.
  8. Use of areas by Owner and Contractor.
  9. Construction facilities and controls provided by the Owner.

1.5 PROGRESS MEETINGS
- A. Schedule and administer meetings throughout progress of the Work at maximum monthly intervals.
- B. Make arrangements for meetings, prepare agenda with copies for participants, preside at meetings, record minutes, and distribute copies within two (2) days to Architect, Owner, and those affected by decisions made.
- C. Attendance Required: Job superintendent, major Subcontractors and suppliers, Owner, Architect, as appropriate to agenda topics for each meeting.
- D. Agenda:
  1. Review minutes of previous meetings.
  2. Review of Work progress.
  3. Field observations, problems, and decisions.
  4. Identification of problems which impede planned progress.
  5. Review of submittals schedule and status of submittals.
  6. Review of off site fabrication and delivery schedules.
  7. Maintenance of progress schedule.
  8. Corrective measures to regain projected schedules.
  9. Planned progress during succeeding work period.
  10. Coordination of projected progress.
  11. Maintenance of quality and work standards.
  12. Effect of proposed changes on progress schedule and coordination.
  13. Other business relating to Work.

1.6 REQUESTS FOR INTERPRETATION (RFIs)
- A. Procedure: Immediately on discovery of the need for interpretation of the Contract Documents, and if not possible to request interpretation at Project meeting, prepare and submit an RFI in the form specified.
  1. RFIs shall originate with Contractor. RFIs submitted by entities other than Contractor will be returned with no response.
  2. Coordinate and submit RFIs in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.
- B. Content of the RFI: All unnecessary forms will be provided at the Pre Construction Conference .
- C. Architect's Action: Architect will review each RFI, determine action required, and return it. Allow seven working days for Owner's Representative response for each RFI. RFIs received after 1:00 p.m. will be considered as received the following working day.
  1. The following RFIs will be returned without action:
     - a. Requests for approval of submittals.
     - b. Requests for approval of substitutions.
     - c. Requests for coordination information already indicated in the Contract Documents.
     - d. Requests for adjustments in the Contract Time or the Contract Sum.
     - e. Requests for interpretation of Owner's Representative actions on submittals.
     - f. Incomplete RFIs or RFIs with numerous errors.
  2. Owner's Representative action may include a request for additional information, in which case Owner's Representative time for response will start again.
  3. Owner's Representative action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Contractor to submit Change Proposal according to Division 1 Section 'Contract Modification Procedures.'
     - a. If Contractor believes the RFI response warrants change in the Contract Time or the Contract Sum, notify Owner's Representative in writing within 10 days of receipt of the RFI response.
- D. On receipt of Owner's Representative action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Owner's Representative within seven days if Contractor disagrees with response.
- E. RFI Log: Prepare, maintain, and submit a tabular log of RFIs organized by the number. Submit log weekly Include the following:
  1. RFI Project name.
  2. Name and address of Contractor.
  3. Name and address of Owner's Representative
  4. RFI number including RFIs that were dropped and not submitted.
  5. RFI description.
  6. Date the RFI was submitted.
  7. Date Owner's Representative's response was received.
  8. Identification of related Minor Change in the Work, Construction Change Directive, and Proposal Request, as appropriate.
  9. Identification of related Field Order, Work Change Directive, and Proposal Request, as appropriate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01039

01230 - BID ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS
- A. Drawings and general provisions of the Contract, including General and supplementary Conditions and other Division 1 Specification Sections, apply to this section.

1.2 SUMMARY
- A. This Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS
- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
  1. The cost of each alternate is the net addition to the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES
- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of alternate into Project.
  1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

No. 1 - ALTERNATE ADA PARKING

No. 2 - ALTERNATE GAS FURNACE

2 No. 3 - ALTERNATE WALL TILE FINISH

END OF SECTION 01230

01300 - SUBMITTALS

PART 1 - GENERAL

1.1 SECTION INCLUDES
- A. Submittal procedures.
- B. Construction progress schedules.
- C. Shop drawings.
- D. Product data, Manufacturer's instructions and certificates.
- E. Samples.

1.2 SUBMITTAL PROCEDURES
- A. Transmit all submittals with Letter of Transmittal.
- B. Sequentially number the transmittal forms. Resubmittals to have original number with an alphabetic suffix.
- C. Identify Project, Contractor, Subcontractor or supplier; pertinent Drawing sheet and detail number(s), and specification Section number, as appropriate.
- D. Apply Contractor's stamp, signed or initialed certifying that review, verification of Products required, field dimensions, adjacent construction Work, and coordination of information, is in accordance with the requirements of the Work and Contract Documents.
- E. Schedule submittals to expedite the Project, and deliver to Architect at business address. Coordinate submission of related items.
- F. Identify variations from Contract Documents and Product or system limitations which may be detrimental to successful performance of the completed Work.
- G. Provide space for Contractor and Owner's Representative review stamps.
- H. Revise and resubmit submittals as required, identify all changes made since previous submittal.
- I. Distribute copies of reviewed submittals to concerned parties. Instruct parties to promptly report any inability to comply with provisions.

1.3 CONSTRUCTION PROGRESS SCHEDULES
- A. Submit initial progress schedule in duplicate within 15 days after date of Owner Contractor Agreement for Owner's Representative review.
- B. Revise and resubmit as required.
- C. Submit revised schedules with each Application for Payment, identifying changes since previous version.
- D. Submit a horizontal bar chart with separate line for each section of Work, identifying first work day of each week.
- E. Indicate estimated percentage of completion for each item of Work at each submission.
- F. Indicate submittal dates required for shop drawings, product data, samples, and product delivery dates, including those furnished by Owner's representative and under Allowances.

1.4 SHOP DRAWINGS
- A. As required in submittals.

1.5 PRODUCT DATA
- A. Submit the number of copies which the Contractor requires, plus two (2) copies which will be retained by the Owner.
- B. Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturer's standard data to provide information unique to this Project.

1.6 SAMPLES
- A. As required per Specification Section

1.7 MANUFACTURER'S INSTRUCTIONS
- A. As required per Specification Section

1.8 MANUFACTURER'S CERTIFICATES
- A. When specified in individual specification Sections, submit manufacturer's certificate to Owner's representative for review, in quantities specified for Product Data.
- B. Indicate material or product conforms to or exceeds specified requirements. Submit supporting reference date, affidavits, and certifications as appropriate.
- C. Certificates may be recent or previous test results on material Product, but must be acceptable to Owner's representative.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01300

01400 - QUALITY CONTROL

PART 1 - GENERAL

1.1 SECTION INCLUDES
- A. Quality assurance and control of installation.
- B. References.

1.2 QUALITY ASSURANCE/CONTROL OF INSTALLATION
- A. Monitor quality control over suppliers, manufacturers, Products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply fully with manufacturers' instructions, including each step in sequence.
- C. Should manufacturer's instructions conflict with Contract Documents, request clarification from Owner before proceeding.
- D. Comply with specified standards as a minimum quality for the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform work by persons qualified to produce workmanship of specified quality.
- F. Secure Products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or disfigurement.

1.3 REFERENCES
- A. Conform to reference standard by date of issue current on date of Contract Documents Obtain copies of standards when required by Contract Documents.
- B. Should specified reference standards conflict with Contract Documents, request clarification from Owner before proceeding.
- C. The contractual relationship of the parties to the Contract shall not be altered from the Contract Documents by mention or inference otherwise in any reference document.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01400

01500 - CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

PART 1 - GENERAL

1.1 SECTION INCLUDES
- A. Temporary Utilities: Electricity, lighting, heat, ventilation, telephone service, water, and sanitary facilities.
- B. Temporary Controls: Barriers, protection of the Work.
- C. Construction Facilities: Progress cleaning, Signage, and temporary buildings.

1.2 TEMPORARY ELECTRICITY
- A. Electricity is available on site.

1.3 TEMPORARY LIGHTING
- A. Provide and maintain lighting for construction operations to achieve a minimum lighting level of 2 watt/sq ft.
- B. Provide and maintain 1 watt/sq ft lighting to exterior staging and storage areas after dark for security purposes.
- C. Provide branch wiring from power source to distribution boxes with lighting conductors, pigtails, and lamps as required.
- D. Maintain lighting and provide routine repairs.

1.4 TEMPORARY HEAT
- A. Provide heat devices as required to maintain specified conditions for construction operations. Contractor shall pay for fuel or power.
- B. Prior to operation of permanent equipment for temporary heating purposes, verify that installation is approved for operation, equipment is lubricated and filters are in place. Provide and pay for operation, maintenance, and regular replacement of filters and worn or consumed parts.

1.5 TEMPORARY VENTILATION
- A. Not applicable.

1.6 TELEPHONE SERVICE
- A. No land-line service available at location.

1.7 TEMPORARY WATER SERVICE
- A. Use of Owner's existing water service facilities will be permitted, as long as facilities are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore these facilities to condition existing before initial use.

1.8 TEMPORARY SANITARY FACILITIES
- A. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.

1.9 BARRIERS
- A. Provide protection for plant life designated to remain. Replace damaged plant life and irrigation.
- B. Protect non owned vehicular traffic, stored materials, site and structures from damage.

1.10 PROTECTION OF INSTALLED WORK
- A. Protect installed Work and provide special protection where specified in individual specification Sections.
- B. Provide temporary and removable protection for installed Products. Control activity in immediate work area to minimize damage.
- C. Provide protective coverings at new work until accepted by Owners.
- D. Protect finished surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.
- E. Prohibit traffic or storage upon waterproofed or roofed surfaces.

1.11 PROGRESS CLEANING
- A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.
- B. Remove debris and rubbish from work areas.
- C. Broom and vacuum clean interior areas prior to start of surface finishing.
- D. Remove waste materials, debris, and rubbish from site weekly.

1.12 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS
- A. Remove temporary above grade or buried utilities, equipment, facilities, materials, prior to Substantial Completion inspection.
- B. Clean and repair damage caused by installation or use of temporary work.
- C. Restore existing facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01500

01600 - MATERIAL AND EQUIPMENT

PART 1 - GENERAL

1.1 SECTION INCLUDES
- A. Products.
- B. Transportation and handling.
- C. Storage and protection.
- D. Product options.
- E. Substitutions.

1.2 PRODUCTS
- A. Products: Means new material, components, equipment, fixtures, and systems forming the Work. Does not include machinery and equipment used for preparation, fabrication, conveying and erection of the Work.
- B. Products may also include existing materials or components required for reuse.
- C. Do not use materials and equipment removed from existing premises, except as specifically permitted by the Contract Documents.
- D. Provide interchangeable components of the same manufacturer, for similar components.

1.3 TRANSPORTATION AND HANDLING
- A. Transport and handle products in accordance with manufacturer's instructions.
- B. Promptly inspect shipments to assure that products comply with requirements, quantities are correct, and products are undamaged.
- C. Provide equipment and personnel to handle products by methods to prevent soiling, disfigurement, or damage.

1.4 STORAGE AND PROTECTION
- A. Store and protect products in accordance with manufacturer's instructions, with seals and labels intact and legible. Store sensitive products in weather tight, climate controlled enclosure.
- B. For exterior storage of fabricated products, place on sloped supports, above ground.
- C. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to avoid condensation.
- D. Store loose granular materials on solid flat surfaces in a well drained area. Provide mixing with foreign matter.
- E. Provide equipment and personnel to store products by methods to prevent soiling, disfigurement, or damage.
- F. Arrange storage of products to permit access for inspection. Periodically inspect to assure products are undamaged and are maintained under specified conditions.

1.5 PRODUCT OPTIONS
- A. Products Specified by Reference Standards or by Description Only: Any product meeting those standards or description.
- B. Products Specified by Naming One or More Manufacturers: Products of manufacturers named and meeting specifications, no options or substitutions allowed.
- C. Products Specified by Naming One or More Manufacturers with a Provision for Substitutions: Submit a request for substitution for any manufacturer not named, which is an equal.

1.6 SUBSTITUTIONS
- A. Instructions to Bidders specify time restrictions for submitting requests for Substitutions during the bidding period to requirements specified in this Section.
- B. Substitutions may be considered when a product becomes unavailable through no fault of the Contractor.
- C. Document each request with complete data substantiating compliance of proposed Substitution with Contract Documents.
- D. A request constitutes a representation that the Contractor:
  1. Has investigated proposed product and determined that it meets or exceeds the quality level of the specified product.
  2. Will provide the same warranty for the Substitution as for the specified product.
  3. Will coordinate installation and make changes to other Work which may be required for the Work to be complete with no additional cost to Owner.
  4. Waives claims for additional costs or time extension which may subsequently become apparent.
  5. Will reimburse Owner's representative for review or redesign services associated with re approval by authorities.
- E. Substitutions will not be considered when they are indicated or implied on shop drawing or product data submittals, without separate written request, or when acceptance will require revision to the Contract Documents.
- F. Substitution Submittal Procedure:
  1. Submit three (3) copies of request for Substitution for consideration. Limit each request to one proposed Substitution.
  2. Submit shop drawings, product data, and certified test results attesting to the proposed product equivalence.
  3. The Owner's representative will notify Contractor, in writing, of decision to accept or reject request.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01600

STATE PARKS & RECREATION IDAHO

Revisions

No.	Revisions	By	Date	Appr.
	ISSUED SET		8/25	
	Updated Set per Client Comments	L.E.	9/3	D.M.
1	Amendments to Issued Set	L.E.	10/11	D.M.
2	Additional Amendments to Set	L.E.	10/19	D.M.

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Location
4897 Hells Gate Rd.
Lewiston, ID 83501

Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

Sheet Title
SPECIFICATIONS

Scale: As Shown
Drawn By: L.E.
Chk'd By: D.M.
Issue Date: August 2, 2021

Project No. 210209

Sheet S1.0

01700 - CONTRACT CLOSEOUT

PART 1 - GENERAL

1.1 SECTION INCLUDES
- A. Closeout procedures.
- B. Final cleaning.
- C. Adjusting.
- D. Project record documents
- E. Operation and maintenance data.
- F. Warranties.
- G. Spare parts and maintenance materials.

1.2 CLOSEOUT PROCEDURES
- A. SUBSTANTIAL COMPLETION
  1. Procedures: Before requesting inspection for certification of Substantial Completion, complete the following.
     - a. Prepare a list of items to be completed and corrected (punch list), the value of a. items on the list, and reasons why the Work is not complete.
     - b. Advise Owner/Agency of pending change-over requirements.
     - c. Obtain and submit releases enabling the Owner/Agency unrestricted use of the Work and access to services and utilities.
     - d. Submit record drawings, maintenance and operational manuals, and similar final record information.
     - e. Deliver tools, spare parts, extra stock, and similar items, if any required in Divisions 2 through 16.
     - f. Complete start-up testing of systems, and instruction of the Owner/Agency's operating and maintenance personnel. Discontinue or change over and remove temporary facilities from the site, along with construction tools, mock-ups, and similar elements.
     - g. Complete final clean up requirements, including touch-up painting. Touch-up and otherwise repair and restore marred exposed finishes.
  2. Substantial Completion Inspection Procedures: On receipt by the Design Professional of a written request from the Contractor for substantial completion inspection (punch list items), the Design Professional will either proceed with inspection or advise the Contractor of unfilled requirements (paragraph A under 1.3 above). The Design Professional will prepare the Certificate of Substantial Completion following inspection, or advise the Contractor of construction that must be completed or corrected before the certificate will be issued.
     - a. The certificate of substantial completion will be issued when the project is substantially complete.
     - b. Results of the completed inspection will form the basis of requirements for final acceptance.
- B. FINAL ACCEPTANCE TO MAKE FINAL PAYMENT
  1. Procedures: Before requesting final inspection for certification of final acceptance and final payment the following has to be completed. List exceptions in the request.
     - a. Submit the final payment request at the end of the final phase of work with required IDPR releases and supporting documentation not previously submitted and accepted. Include insurance certificates for products and completed operations where required.
     - b. Submit a certified copy of the Design Professional's substantial completion inspection list of items that were to be completed and corrected, stating that each item has been completed or otherwise resolved for acceptance.
     - c. Record Drawings must have been submitted to the Design Professional and approved (paragraph A under 1.3, Item 3 above).
     - d. Maintenance and Operations manuals must have been submitted to the Design Professional and approved (paragraph A under 1.3, Item 3 above).
     - e. Submit specific warranties, final certifications and similar documents.
     - f. Any maintenance and operational training of Agency personnel must have been completed (paragraph A under 1.3, Item 3 above).
     - g. Consent of Surety (A.I.A. Form G707) Release of Claims (IDPR Form) and Contractor's Affidavit of Payment of Debts and Claims (A.I.A. Form G706) must be executed by the contractor and submitted to the Design Professional.
     - h. A final pay estimate must be submitted requesting 100% payment including retainage. The documents in Item 7 must be attached to the Final Pay Request
     - i. State of Idaho Tax Release. Request for Tax Release Form is included in the agreement and is to be submitted to the Idaho State Tax Commission. The Tax Release issued by the Tax Commission is to be submitted with Closeout Documents.
  2. Final Inspection Procedure: The Design Professional will reinspect the Work upon receipt of notice that the Work, including punch list items from earlier inspections, have been completed.
     - a. Upon completion of reinspection, the Design Professional will prepare a letter of final acceptance or advise the Contractor of Work that is incomplete or of obligations that have not been fulfilled but are required for final acceptance.
- C. FINAL ACCEPTANCE
  1. The Contractor is required to submit to the Design Professional all required documents.
     - a. The Design Professional will not approve final payment until all items have been received, reviewed and found to be acceptable and in compliance with the Contract Documents.

1.3 FINAL CLEANING
- A. Execute final cleaning prior to final inspection.
- B. Clean interior and exterior glass and surfaces exposed to view; remove temporary labels, stains and foreign substances, polish transparent and glossy surfaces.
- C. Clean equipment and fixtures to a sanitary condition.
- D. Replace filters of operating equipment.
- E. Clean debris from roofs, gutters, down spouts, and drainage systems.
- F. Clean site; sweep paved areas, rake clean landscaped surfaces.
- G. Remove waste and surplus materials, rubbish, and construction facilities from the site.

1.4 ADJUSTING
- A. Adjust operating Products and equipment to ensure smooth and unhindered operation.

1.5 PROJECT RECORD DOCUMENTS
- A. Maintain on site, one set of the following record documents; record actual revisions to the Work:
  1. Contract Drawings.
  2. Specifications.
  3. Addenda.
  4. Change Orders and other Modifications to the Contract.
  5. Reviewed shop drawings, product data, and samples.
- B. Store Record Documents separate from documents used for construction.
- C. Record information concurrent with construction progress.
- D. Specifications: Legibly mark and record at each Product section description of actual Products installed, including the following:
  1. Manufacturer's name and product model and number.
  2. Product substitutions or alternates utilized.
  3. Changes made by Addenda and Modifications.
- E. Record Documents and Shop Drawings: Legibly mark each item to record actual construction including:
  1. Measured depths of foundations in relation to finish main floor datum.
  2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
  3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
  4. Field changes of dimension and detail.
  5. Details not on original Contract Drawings.
  6. Submit documents to Owner's representative with claim for final Application for Payment.

1.6 OPERATION AND MAINTENANCE DATA
- A. Submit data bound in 8 1/2 x11 inch text pages, in 3D ring binders, with durable plastic covers

1.7 WARRANTIES
- A. Execute and assemble documents from Subcontractors, suppliers, and manufacturers.
- B. Provide Table of Contents and assemble in three D side ring binder with durable plastic cover.
- C. Submit prior to final Application for Payment.
- D. For items of Work delayed beyond date of Substantial Completion, provide updated submittal within ten days after acceptance, listing date of acceptance as start of warranty period.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01700

01732 - SELECTIVE DEMOLITION

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS
- A. Items indicated to be removed and salvaged remain Owner's property. Carefully detach from existing construction, in a manner to prevent damage, and deliver to Owner and/or ready for reuse. Include fasteners or brackets needed for reattachment elsewhere.
- B. Comply with EPA regulations and hauling disposal regulations of authorities having jurisdiction. Comply with ANSI A10.6 and NFPA 241.
- C. Owner will occupy portions of site immediately adjacent to building and selective demolition areas. Conduct selective demolition so Owner's operations will not be disrupted.
- D. It is not expected that hazardous materials be encountered the Work. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials be removed by Owner under a separate contract.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 SELECTIVE DEMOLITION, GENERAL
- A. General: Demolish and remove existing construction to the extent required by new construction and as indicated.
  1. Maintain existing building structure and envelope not indicated to be demolished; do not demolish such existing construction beyond indicated limits.
  2. Maintain existing interior nonstructural elements (interior walls, doors and ceiling systems) not indicated to be do not demolish such existing construction beyond indicated limits.
- B. Maintain services/systems indicated to remain and protect them against damage during selective demolition operations. Before proceeding with demolition, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other parts of the building.
- C. Locate, identify, shut off, disconnect, and seal or cap off indicated utility services and mechanical/electrical systems serving areas to be selectively demolished.
- D. Provide fencing, barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
- E. Provide and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.
- F. Provide temporary weather protection to prevent water leakage and damage to structure and interior areas.
- G. Protect walls, ceilings, floors, and other existing finish work that are to remain. Erect and maintain dustproof partitions. Cover and protect furniture, furnishings, and equipment that have not been removed.
- H. Neatly cut openings and hole plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction.
- I. Promptly remove demolition waste materials from Project site and legally dispose of them. Do not burn demolished materials. Do not dispose any materials in Owner's trash containers.
- J. Clean adjacent structures and improvements of dust, dirt, and debris caused by demolition operations. Return adjacent areas to condition existing before demolition operations began.
- K. Removed and Salvaged Items:
  1. Clean salvaged items.
  2. Pack or crate items after cleaning.
  3. Transport items to Owner's storage area designated by Owner.
- L. Removed and Reinstalled Items:
  1. Clean and repair items to functional condition adequate for intended reuse. Paint equipment to match new equipment.
  2. Protect items from damage until ready to reinstall.
  3. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.
- M. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete.

END OF SECTION 01732

DIVISION 2 - SITE CONSTRUCTION (NOT USED)

DIVISION 3 - CONCRETE

03300 - CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS
- A. Submittals: Product Data, concrete mix designs and submittals required by ACI 301.
- B. Ready-Mixed Concrete Producer Qualifications: ASTM C 94/C 94M.
- C. Comply with ACI 301, "Specification for Structural Concrete"; ACI 117, "Specifications for Tolerances for Concrete Construction and Materials"; and CRSI's "Manual of Standard Practice."

1.2 SUMMARY
- A. This Section specifies cast-in place concrete for buildings including formwork, reinforcement, concrete materials, mix design, placement procedures, and finishes.

PART 2 - PRODUCTS

2.1 MATERIALS
- A. Plain Steel Wire: ASTM A 82, as drawn.
- B. Plain-Steel Welded Wire Reinforcement: ASTM A 185, as drawn, flat sheet.
- C. Deformed-Steel Welded Wire Reinforcement: ASTM A 497, flat sheet.
- D. Portland Cement: ASTM C 150, Type I or II.
- E. Fly Ash: ASTM C 618, Type C or F.
- F. Ground Granulated Blast-Furnace Slag: ASTM C 989, Grade 100 or 120.
- G. Silica Fume: ASTM C 1240, amorphous silica.
- H. Aggregates: ASTM C 33, uniformly graded.
  1. Maximum Aggregate Size for Concrete: 3/4 inch (19 mm)
- I. Air-Entraining Admixture: ASTM C 260.
- J. Chemical Admixtures: ASTM C 494, water reducing, high-range water reducing, water reducing and accelerating and water reducing and retarding. Do not use calcium chloride or admixtures containing calcium chloride.
- K. Joint-Filler Strips: ASTM D 1751, asphalt-saturated cellulosic fiber, or ASTM D 1752, cork or self-expanding cork.
- L. Moisture-Retaining Cover: ASTM C 171, polyethylene film or burlap-polyethylene sheet.
- M. Vapor Retarder: Reinforced sheet, ASTM E 96, Class B, five-ply, nylon-or polyester-cord-reinforced high-density polyethylene sheet, 15 mil thickness with a permeance of less than .3 US perms. Reinforced sheet, ASTM E 1745

2.2 MIXES
- A. Comply with ACI 301 requirements for concrete mixtures.
- B. Normal-Weight Concrete: Prepare design mixes, proportioned according to ACI 301, as follows:
  1. Minimum Compressive Strength for Footings and stem walls: 3,000 psi.
  2. Minimum Compression Strength for Interior Slabs-on-Grade: 3,500 psi.
  3. Maximum Water-Cementitious Materials Ratio: 0.45
  4. Slump Limit: 4 inches (100 mm).
  5. Air Content: Maintain within range permitted by ACI 301. Do not allow air content of floor slabs to receive troweled finishes to exceed 3 percent.
  6. Use fly ash, pozzolan, ground granulated blast-furnace slag, and silica fume as needed to reduce the total amount of Portland cement, which would otherwise be used, by not less than 40 percent.
- C. Measure, batch, mix, and deliver concrete according to ASTM C 94/C 94M
  1. When air temperature is above 90 deg F (32 deg C), reduce mixing and delivery time to 60 minutes.

PART 3 - EXECUTION

3.1 CONCRETING
- A. Construct formwork according to ACI 301 and maintain tolerances and surface irregularities within ACI 347R limits of Class A, 1/8 inch (3.2 mm) for concrete exposed to view and Class C, 1/2 inch (13 mm) for other concrete surfaces.
- B. Place vapor retarder on prepared subgrade, with joints lapped 6 inches (150 mm) and sealed.
- C. Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.
- D. Install construction, isolation, and contraction joints where indicated. Install full-depth joint-filler strips at isolation joints.
- E. Place concrete in a continuous operation and consolidate using mechanical vibrating equipment.
- F. Protect concrete from physical damage, premature drying, and reduced strength due to hot or cold weather during mixing, placing, and curing.
- G. Formed Surface Finish: Smooth-formed finish for concrete exposed to view, coated, or covered by waterproofing or other direct-applied material; rough-formed finish elsewhere.
- H. Slab Finishes: Comply with ACI 302.1R for screeding, restraightening, and finishing operations for concrete surfaces. Do not wet concrete surfaces. Provide the following finishes:
  1. Troweled finish for floor surfaces and floors to receive floor coverings, paint, or other thin film-finish coatings.
  2. Trowel and fine-broom finish for surfaces to receive thin-set tile.
- I. Cure formed surfaces by moist curing for at least seven days.
- J. Begin curing concrete slabs after finishing.
- K. Owner will engage a testing agency to perform field tests and to submit test reports.
- L. Protect concrete from damage. Repair surface defects in formed concrete and slabs.

END OF SECTION 03300

DIVISION 4 - MASONRY (NOT USED)

DIVISION 5 - METALS (NOT USED)

DIVISION 6 - WOOD AND PLASTICS

06402 - INTERIOR ARCHITECTURAL WOODWORK

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS
- A. Submittals: Product Data for solid-surfacing materials, Shop Drawings and Samples showing the full range of colors, textures, and patterns available for each type of finish.
- B. Quality Standard: Architectural Woodwork Institute's "Architectural Woodwork Quality Standards."

1.2 SUMMARY
- A. This Section includes the following:
  1. Solid surface countertop material.

PART 2 - PRODUCTS

2.1 MATERIALS
- A. Softwood Plywood: DOC PS.
- B. Solid-Surfacing Material: Homogeneous solid sheets of filled plastic resin complying with ISSFA-2.
  1. Available Products:
     - a. Corian; Du Pont
     - b. Formica Corporation
     - c. Wilsonart International
  2. Type: Standard type
  3. Colors and Patterns: As selected by Architect from manufacturer's full price range.

2.2 ACCESSORY MATERIALS
- A. Furring, Blocking, Shims, and Hanging Strips: Softwood or hardwood lumber, kiln dried to 15 percent moisture content.
- B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide nonferrous-metal or hot-dip galvanized anchors and inserts on inside face of exterior walls and elsewhere as required for corrosion resistance. Provide toothed-steel or lead expansion sleeves for drilled-in-place anchors.
- C. Knee Brace: Flat bar metal countertop support (CT bracket). Finish: Powder coating.
  1. Provide supports where shown and where necessary to adequately support the countertop.

2.3 INTERIOR WOODWORK
- A. Complete fabrication to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
- B. Backout or groove backs of flat trim members and kerf backs of other wide, flat members except for members with ends exposed in finished work.
- C. Solid-Surfacing Material Countertops: Custom grade.
  1. Solid-Surfacing Material Thickness: 3/4 inch.
  2. Fabricate tops in one piece with shop-applied backsplashes and skirt edging.
  3. Fabricate tops with shop-applied edges of materials and configuration indicated.

PART 3 - EXECUTION

3.1 INSTALLATION
- A. Before installation, condition woodwork to average prevailing humidity conditions in installation areas.
- B. Install woodwork to comply with referenced quality standard for grade specified.
- C. Install woodwork level, plumb, true and straight. Shim as required with concealed shims. Install level and plumb (including tops) to a tolerance of 1/8 inch in 96 inches.
- D. Scribe and cut woodwork to fit adjoining work, refinish cut surfaces and repair damaged finish at cuts.
- E. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Fasten with countersunk concealed fasteners and blind nailing.
- F. Countertops:
  1. Align adjacent solid-surfacing-material comply countertops and form seams to with manufacturer's written recommendations using adhesive in color to match countertop. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
  2. Install countertops with no more than 1/8 inch in 96-inch sag, bow, or other variation from a straight line.
  3. Secure backsplashes to walls with adhesive.
  4. Caulk space between backsplash and wall with sealant specified in Division 7 Section "JointSealants."

END OF SECTION 06402

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

07920 - JOINT SEALANTS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS
- A. Submittals: Product Data and color Samples.
- B. Environmental Limitations: Do not proceed with installation of joint sealants when ambient and substrate temperature conditions are outside limits permitted by joint-sealant manufacturer or are below 40 deg F (4.4 deg C).

PART 2 - PRODUCTS

2.1 JOINT SEALANTS
- A. Compatibility: Provide joint sealants, joint fillers, and other related materials that are compatible with one another and with joint substrates under service and application conditions.
- B. Sealant for Use in Building Expansion Joints:
  1. Single-component, neutral-curing silicone sealant, ASTM C 920, Type S; Grade NS; Class 50 for Use NT.
- C. Sealant for Use in Interior Joints in Toilet and Around Plumbing Fixtures:
  1. Single-component, mildew-resistant silicone sealant, ASTM C 920, Type S; 1. Grade NS; Class 25; for Use NT; formulated with fungicide.

2.2 MISCELLANEOUS MATERIALS
- A. Provide sealant backings of material that are nonstaining; are compatible with joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by sealant manufacturer.
- B. Cylindrical Sealant Backings: ASTM C 1330, of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance.
- C. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at back of joint. Provide self-adhesive tape where applicable.
- D. Primer: Material recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates.

PART 3 - EXECUTION

3.1 INSTALLATION
- A. Comply with ASTM C 1193.
- B. Install sealant backings to support sealants during application and to produce cross-sectional shapes and depths of installed sealants that allow optimum sealant movement capability.
- C. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and backs of joints.

END OF SECTION 07920

DIVISION 8 - OPENINGS

08110 - STEEL DOORS AND FRAMES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS
- A. This Section includes the following:
  1. Steel doors and frames.
- B. Submittals: Product Data, Shop Drawings, Door Schedule

2.1 MATERIALS
- A. Metallic-Coated Steel Sheet: ASTM A 653/A 653M, G60 (Z180) or A60 (ZF180).
- B. Powder-Actuated Fasteners in Concrete: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with clips or other accessory devices for attaching standard steel door frames of type indicated.
- C. Inserts, Bolts, and Fasteners: Hot-dip galvanized according to ASTM A 153/A 153M.

2.2 HOLLOW METAL DOORS
- A. Available Manufacturers:
  1. Ceco Door Products; an ASSA ABLOY Group Company.
  2. CURRIES Company; an ASSA ABLOY Group Company.
  3. Republic Builders Products Company.
  4. Daybar Industries Limited
  5. SteelCraft
- B. Doors: Complying with ANSI 250.8 for level and model and ANSI A250.4 for physical-endurance level indicated, 1-3/4 inches thick unless otherwise indicated.
  1. Exterior Doors: Level 3 and Physical Performance Level A Extra Heavy Duty, Full Flush, metallic-coated steel sheet faces, .053 inch thickness.
     - a. Thermal-Rated Insulated Doors: Provide doors with thermal-resistance value (R-value) of not less than R-4 when tested according to ASTM C 1363.
  2. Hardware Reinforcement: Fabricate according to ANSI/SDI A250.6 with reinforcement plates from same material as door face sheets.
- C. Frames: ANSI A250.8; conceal fastenings unless otherwise indicated.
  1. Steel Sheet Thickness: 0.053 inch.
  2. Fabricate exterior frames from metallic-coated steel sheet, with mitered or coped and continuously welded corners.
  3. Hardware Reinforcement: Fabricate according to ANSI/SDI A250.6 with reinforcement plates from same material as frames.
- D. Door Silencers: Three on strike jambs of single-door frames.
- E. Anchors:
  1. Jamb: Post-installed Expansion Type for In-Place Concrete or Masonry: Minimum 3/8-inch- diameter bolts with expansion shields or inserts. Provide pipe spacer from frame to wall, with throat reinforcement plate, welded to frame at each anchor location.
  2. Floor: Formed from same material as frames, not less than 0.042 inch thick:
     - a. Monolithic Concrete Slabs: Clip-type anchors, with two holes to receive fasteners.
- F. Prepare doors to receive mortised and concealed hardware according to ANSI A250.6 and ANSI A115 Series standards. Reinforce doors to receive surface-applied hardware.
- G. Prime Finish: Manufacturer's standard, factory-applied coat of lead- and chromate-free primer complying with ANSI/SDI A250.10 acceptance criteria.

PART 3 - EXECUTION

3.1 INSTALLATION
- A. Install hollow metal frames to comply with ANSI/SDI A250.11.
  1. In-Place Concrete Construction: Secure frames in place with postinstalled expansion anchors. Countersink anchors, and fill and make smooth, flush, and invisible on exposed faces.
  2. Floor Anchors: Provide floor anchors for each jamb and mullion that extends to floor, and secure with postinstalled expansion anchors.
     - a. Floor anchors may be set with powder-actuated fasteners instead of postinstalled expansion anchors if so indicated and approved on Shop Drawings.
- B. Install doors to provide clearances between doors and frames as indicated in ANSI/SDI A250.11.
- C. Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air-drying rust-inhibitive primer. Use galvanizing repair paint for metallic coated surfaces.

END OF SECTION 08110

08711 - DOOR HARDWARE

PART 1 - GENERAL

SECTION REQUIREMENTS
- A. Submittals: Hardware schedule and keying schedule.
- B. Coordination with Owner's existing Schlage key system.

1.2 QUALITY ASSURANCE
- A. Source Limitations: Obtain each type and variety of door hardware from a single manufacturer, unless otherwise indicated.
- B. Regulatory Requirements: Comply with provisions of the following:
  1. Where indicated to comply with accessibility requirements, comply with Americans with DisabilitiesAct "ADA", "Accessibility Guidelines for Buildings and Facilities (ADAAG)," ANSI A117.1, as follows:
     - a. Handles, Pulls, Latches, Locks, and other Operating Devices: Shape that is easy to grasp with one hand does not require tight grasping, tight pinching, or twisting of the wrist.
     - b. Thresholds: Not more than 1/2 inch high. Bevel raised thresholds with a slope of more than 1:2.
  2. NFPA 101: Comply with the following for means of egress doors:
     - a. Latches, Locks, and Devices: Not more than 15 lbf to release the latch. Locks shall not require the use of a key, tool, or special knowledge for operation.
     - b. Door Closers: Not more than 30 lbf to set door in motion and not more than 15 lbf to open door to minimum required width.

PART 2 - PRODUCTS

2.1 HARDWARE
- A. Available Manufacturers:
  1. Best, Dormakaba Group
  2. Hager Companies
  3. McKinney Products Company; Dic. of ESSEX Industries, Inc MC
  4. Pemko Manufacturing Co., Inc. PEM
  5. Rockwood Manufacturing Company RO
  6. Schlage Lock Company; an Ingersoll-Rand Company SC
- B. Hinges:
  1. Stainless-steel hinges with stainless-steel pins for exterior.
  2. Nonremovable hinge pins for exterior and public interior exposure.
  3. 3 hinges for 1-3/4-inch thick doors 90 inches or less in height.
- C. Locksets and Latchsets:
  1. BHMA A156.5, Grade 1 for auxiliary locks.
  2. BHMA A156.13, Series 1000, Grade 1 for mortise locks and latches.
- D. Cylinders:
  1. ANSI A156.5, Grade 1, 6-pin type interchangeable core type cylinders.
  2. Keying: Keyed as directed by Owner.
  3. Supply 5 Master keys and 3 changeys keys for each lock.
- E. Closers:
  1. Mount closers on interior side room, side of door opening. Provide regular-arm, pralel-arm, or top-jmab-mounted closers as necessary.
  2. Adjustable delayed opening accessible to people with disabilities features on closers.
- F. Provide door operating trim, gasketing, thresholds, protective trim units, where indicated.

PART 3 - EXECUTION

3.1 INSTALLATION
- A. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations.
  1. Standard Steel Door and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
- B. Install each door hardware item to comply with manufacturer's written instructions.
- C. Thresholds: Set thresholds for exterior doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."

3.2 ADJUSTING, CLEANING AND PROTECTION
- A. Initial Adjustment: Adjust and check each operating item of door ad each hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended.
- B. Provide final and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

END OF SECTION 08711

DIVISION 9 - FINISHES

09310 - TILE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS
- A. Drawings general including Supplementary provisions Contract, General and of the and Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY
- A. This Section includes the following:
  1. Glazed wall tile and trim pieces.
  2. Unglazed ceramic mosaic floor tile.

1.3 SUBMITTALS
- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
- B. Product Data: For each type of product specified.
- C. Shop Drawings: Show locations of each type of tile and tile pattern. Show widths, details, and locations of expansion, contraction, control, and isolation joints in tile in substrates and finished tile surfaces.
- D. Samples for ventilation purposed of each item listed below, prepared on samples of size and construction indicated, products involved color and texture variations, in sets showing full range of variations expected.
  1. Each type and composition of tile and for each color and texture required.
  2. Full-size units of each type of trim and accessory for each color required.

1.4 QUALITY ASSURANCE
- A. Installer Qualifications: Engage an experienced Installer who has successfully completed tile installations similar in material, design and extent to that indicated for Project.

1.5 DELIVERY, STORAGE, AND HANDLING
- A. Deliver and store packaged materials in original containers with seals unbroken and labels intact until time of use. Comply with requirement in ANSI A137.1 for labeling sealed tile packages.
- B. Prevent damage or contamination to materials by water, freezing, foreign matter and other causes.

1.6 PROJECT CONDITIONS
- A. Maintain environmental conditions and project work during and after installation to comply with referenced standards and manufacturer's printed recommendations.
- B. Vent temporary heaters to exterior to prevent damage to to tile work from carbon dioxide buildup.
- C. Maintain temperatures at 50 deg F or more in tiled areas during installation and for 7 days after completion, unless higher temperatures are required by referenced installation standard or manufacturer's instructions.

1.7 EXTRA MATERIALS
- A. Deliver extra materials to Owner. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  1. Tile and Trim Units: Furnish quantity of full-size units equal to 3 percent of amount installed, for each type, composition, color, pattern, and size indicated.

STATE PARKS & RECREATION IDAHO

Revisions

No.	Revisions	By	Date	Appr.
	ISSUED SET		8/25	
	Updated Set per Client Comments	L.E.	9/3	D.M.
1	Amendments to Issued Set	L.E.	10/11	D.M.
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Project Manager Approval

Architect/Engineer of Record

LICENSED ARCHITECT AR-3843 DANIEL K. MULLIN STATE OF IDAHO

Location
4897 Hells Gate Rd.
Lewiston, ID 83501

Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

Sheet Title
SPECIFICATIONS

Scale: As Shown
Drawn By: L.E.
Chk'd By: D.M.
Issue Date:
August 2, 2021

Project No. 210209

Sheet S1.1

PART 2 - PRODUCTS (SEE FINISH SCHEDULE)

PART 3 - EXECUTION

3.1 PREPARATION

A. Remove coatings, including curing compounds and other substances that contain soap, wax, oil, or silicone, that are incompatible with tile-setting materials.
B. Provide concrete substrates for tile floors and walls installed with thin-set mortar that comply with flatness tolerances specified in referenced ANSI A108 Series of tile installation standards.
   1. Fill cracks, holes, depressions and concrete masonry unit joints with trowelable leveling and patching compound according to tile-setting material manufacturer's written instructions. Use product specifically recommended by tile-setting material manufacturer.
   2. Remove protrusions, bumps, and ridges by sanding or grinding.

3.2 INSTALLATION, GENERAL

A. ANSI Tile Installation Standards: Comply with parts of ANSI A108 Series "Specifications for Installation of Ceramic Tile" that apply to types of setting and grouting materials and to methods indicated in ceramic tile installation schedules.
B. TCA Installation Guidelines: TCA's "Handbook for Ceramic Tile Installation." Comply with TCA installation methods indicated in ceramic tile installation schedules.
C. Install cementitious back units and treat joints according to ANSI A108.11.
D. Install waterproofing membrane to comply with ANSI A108.13.
E. Extend tile work into recesses and under or behind equipment and fixtures to form complete covering without interruptions, unless otherwise indicated. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.
F. Jointing Pattern: Lay tile to match existing. Align joints when adjoining tiles on floor, base, walls, and trim are same size. Adjust to minimize tile cutting. Provide uniform joint widths, unless otherwise indicated.
G. Grout tile to comply with requirements of the following tile installation standards:
   1. For ceramic tile grouts and latex-portland cement grouts, comply with ANSI A108.10.

3.3 FLOOR TILE INSTALLATION

A. General: Install tile to comply with requirements in the Floor Tile Installation Schedule, including those referencing TCA installation methods and ANSI A108 Series of tile installation standards.
   1. For installations indicated below, follow procedures in ANSI A108 Series tile installation standards for providing 95 percent mortar coverage.
      a. Tile floors: Over Waterproof Membrane on Concrete Floors: TCA F122 (thin-set mortar)
B. Joint Widths: Install tile on floors with the following joint widths: C
   1. Ceramic Mosaic Tile: 1/8 inch.
C. Grout Sealer: Apply grout sealer to cementitious grout joints according to grout-sealer manufacturer's written instructions. As soon as grout sealer has penetrated grout joints, remove excess sealer and sealer that has gotten on tile faces by wiping with soft cloth.

3.4 WALL TILE INSTALLATION

A. Install types of tile designated for wall installations to comply with requirements indicated in the TCA installation methods and ANSI setting-bed standards.
B. Tile Installation -T2 - Interior wall installation over dimensionally stable plywood sheathing and wood studs; thin-set mortar over waterproof membrane on cementitious back units; TCA B421 with W244C
   1. Tile Type: Glazed wall tile
   2. Thin-Set Mortar: Latex- Portland cement mortar.
   3. Grout: Polymer-modified unsanded grout.
C. Joint Widths: Install tile on walls with the following joint widths:
   1. Glazed Wall Tile: 1/16 inch 1.

3.5 CLEANING AND PROTECTING

A. Cleaning: On completion of placement and grouting, clean all ceramic tile surfaces so they are free of foreign matter.
   1. Remove latex-portland cement grout residue from tile as soon as possible.
   2. Clean grout smears and haze from tile according to tile and manufacturer's written instructions, but no sooner than 10 days after installation.
B. Finished Tile Work: Leave finished installation clean and free of cracked, chipped, broken, unbonded and otherwise defective tile work.
C. Provide final protection and maintain conditions in a manner acceptable to manufacturer and installer that ensures that tile is without damage or deterioration at time of Substantial Completion.
   1. When recommended by tile manufacturer, apply coat of neutral protective cleaner to completed tile walls and floors. Protect installed tile work with kraft paper or other with heavy covering during construction period to prevent staining, damage, and wear.
D. Before final inspection, remove protective coverings and rinse neutral cleaner from tile surfaces.

END OF SECTION 09310

09910 - PAINTING

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. Submittals:
   1. Product Data. Include printout of MPI's "MPI Approved Products List" with product highlighted.
   2. Samples.
B. Extra Materials: Deliver to Owner 1 gal. (3.8 L) of each color and type of finish coat paint used on Project, in containers, properly labeled and sealed.

PART 2 - PRODUCTS

2.1 PAINT

A. Available Manufacturers/Products:
   1. Benjamin Moore - Advance and Aura (interior)
   2. Sherwin Williams - product line equal to Benjamin Moore
   3. Kelly Moore Paints - product line equal to Benjamin Moore
B. MPI Standards: Provide materials that comply with MPI standards indicated and listed in its "MPI Approved Products List."
C. Material Compatibility: Provide materials that are compatible with one another and with substrates.
   1. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
D. Use interior paints and coatings that comply with the following limits for VOC content:
   1. Nonflat Paints, Coatings: 150 g/L.
   2. Anticorrosive and Antirust Paints Applied to Ferrous Metals: 250g/L.
   3. Clear Wood Finishes, Varnishes: 350g/L.
   4. Stains: 250g/L.
   5. Primers, Sealers, and Undercoaters: 200g/L.
E. Colors: Match interior elevations.

PART 3 - EXECUTION

3.1 PREPARATION

A. Comply with recommendations in MPI's "MPI Architectural Painting Specification Manual" applicable to substrates indicated.
B. Remove hardware, lighting fixtures, and similar items that are not to be painted. Mask items that cannot be removed. Reinstall items in each area after painting is complete.
C. Clean and prepare surfaces in an area before beginning painting in that area. Schedule painting so cleaning operations will not damage newly painted surfaces.

3.2 APPLICATION

A. Comply with recommendations in MPI's "MPI Architectural Painting Specification Manual" applicable to substrates indicated.
B. Paint exposed surfaces new unless otherwise indicated.
   1. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces.
   2. Color-code mechanical piping in accessible ceiling spaces.
   3. Do not paint prefinished items, items with an integral finish, operating parts, and labels unless otherwise indicated.
C. Apply paints according to manufacturer's written instructions.
   1. Use brushes only for exterior painting and where the use of other applicators is not practical.
   2. Use rollers for finish coat on interior walls and ceilings.
D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
   1. If undercoats or other conditions show through topcoat, apply additional coats until cured 1. film has a uniform paint finish, color, and appearance.

3.4 INTERIOR PAINT APPLICATION SCHEDULE

A. Plywood/MDO Ceilings:
   1. Matte: two coats
B. Wood Trim:
   1. Semigloss Latex: Two coats
C. Metal (previously painted):
   1. Semigloss Latex: Two coats over wateborne galvanized-metal primer (primer as needed)

END OF SECTION 09910

DIVISION 10 - SPECIALTIES

10155 - TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. Submittals: Product Data, Shop Drawings, and Samples.
B. Regulatory Requirements: Comply with ICC/ANSI A117.1 for accessible toilet and shower compartments designated as accessible.

PART 2 - PRODUCTS

2.1 TOILET COMPARTMENTS AND SCREENS

A. Available Manufacturers:
   1. Scranton

2.2 MATERIALS

A. Solid-Plastic, Polymer Resin: High-density polyethylene with homogenous color, not less than 1 inch thick, with seamless construction and eased edges.
   1. Color: As selected by Architect from manufacturer's full range of colors.
B. Pilaster Shoes and Sleeves (Caps): Manufacturer's stand design; polymer.
C. Brackets: Stirrup, manufacturer's standard material.

2.3 FABRICATION

A. Toilet Compartments: Overhead braced and floor anchored
B. Urinal Screens: Floor anchored
C. Material: Solid-Plastic, Polymer-Resin Unit
D. Doors: Unless otherwise indicated, 24-inch wide in-swinging doors for standard toilet compartments and 36-inch-wide out-swinging doors for ADA toilet compartments and standard and ADA shower stalls with a minimum 32-inch- wide clear opening for ADA compliant compartments.
   1. Door Hardware: Clear-anodized aluminum or cast-zinc alloy (zamac). Provide units that comply with ADA requirements.
   2. Hinges: Self-closing type, adjustable to hold door open at any angle up to 90 degrees.
   3. Latches and Keepers: Recessed or Surface-mounted unit.
   4. Coat Hook: Combination hook and rubber-tipped bumper, sized to prevent door from hitting compartment-mounted accessories.
   5. Door Bumper: Rubber-tipped bumpers at out-swinging doors or entrance screen doors.
   6. Door Pull: Provide at out-swinging doors.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install units rigid, straight, level, and plumb, with not more than 1/2 inch (13 mm) between pilasters and panels and not more than 1 inch (25 mm) between panels and walls. Provide brackets, pilaster shoes, bracing, and other components required for a complete installation. Use theft-resistant exposed fasteners finished to match hardware. Use sleeve nuts for through-bolt applications.
   1. Stirrup Brackets: Align brackets at pilasters with brackets at walls. Locate wall brackets so holes for wall anchors occur in masonry or tile joints.
   2. Set hinges on in-swinging doors to hold open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors and swing doors in entrance screens to return to fully closed position.

END OF SECTION 10155

10801 - TOILET AND BATH ACCESSORIES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. Submittals: Product Data.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Stainless Steel: ASTM A 666, Type 304, No. 4 finish (satin), 0.0312-inch (0.8-mm) minimum nominal thickness unless otherwise indicated.
B. Brass: ASTM B 19, ASTM B 16 (ASTM B 16M), or ASTM B 30.
C. Aluminum: ASTM B 221 (ASTM B 221M), Alloy 6063-T6 or 6463-T6.
D. Sheet Steel: ASTM A 1008/A 1008M, 0.0359-inch (0.9-mm) minimum nominal thickness.
E. Galvanized-Steel Sheet: ASTM A 653/A 653M, G60 (Z180).
F. Chromium Plating: ASTM B 456, Service Condition Number SC 2 (moderate service).
G. Baked-Enamel Finish: Factory-applied, gloss-white, baked-acrylic-enamel coating.
H. Tempered Glass: ASTM C 1048, Kind FT (fully tempered).
I. Mirrors: ASTM C 1503, Mirror Glazing Quality, clear-glass mirrors, nominal 6.0 mm thick.
J. Galvanized-Steel Mounting Devices: ASTM A 153/A 153M, hot-dip galvanized after fabrication.
K. Fasteners:Screws, bolts, unit,and other devices of same material as accessory unit, tamper and theft resistant when exposed, and of galvanized steel when concealed.
L. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of 2 keys to Owner's representative.

2.2 TOILET AND BATH ACCESSORIES (SEE EQUIPMENT PLAN)

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install accessories fasteners appropriate to substrate indicated and recommended by manufacturer. Install units level, plumb, and firmly anchored in locations and at in heights indicated.
   1. Install bars to withstand a downward load of at least 250 lbf (1112 N) when tested according to method in ASTM F 446.
B. Adjust accessories for unencumbered, smooth operation and verify that mechanisms function properly. Replace damaged temporary or defective items. Remove labels and protective coatings.

END OF SECTION 10801

DIVISION 11 - EQUIPMENT (NOT USED)

DIVISION 12 - FURNISHINGS (NOT USED)

DIVISION 13 - SPECIAL CONSTRUCTION

DIVISION 14 - CONVEYING SYSTEMS (NOT USED)

DIVISION 15 - MECHANICAL
SEE MECHANICAL DRAWINGS

DIVISION 16 - ELECTRICAL
SEE ELECTRICAL DRAWINGS

IDAHO STATE PARKS & RECREATION

Revisions

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Location
4897 Hells Gate Rd.
Lewiston, ID 83501

Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

Sheet Title
SPECIFICATIONS

Scale: As Shown
Drawn By: L.E.
Chk'd By: D.M.
Issue Date:
August 2, 2021

Project No. 210209

Sheet S1.2

DIFFUSER, GRILLE, AND REGISTER SCHEDULE

PROVIDE NEW ⚠1

CALLOUT	DESCRIPTION	MODEL	QUANTITY
CD-1	4-CONE ROUND 350CFM	Krueger/RM2	2
CD-2	4-CONE ROUND 150CFM	Kruger/RM2	2

NOTES BY SYMBOL

1. AS BID ALTERNATE #2: REPLACE GAS-FIRED FURNACE WITH NEW OF SIMILAR SIZE AND CAPACITY. PROVIDE NEW FLEXIBLE CONNECTION FOR SUPPLY AND RETURN DUCTWORK. MAKE NEW GAS SUPPLY PIPING AND VENTING CONNECTIONS. ROUTE CONDENSATE TO UTILITY SINK OR LAV TAIL-PIECE. PROVIDE SECONDARY DRAIN PAN. ⚠2
2. (E) VENTILATION DUCTWORK TO REMAIN.
3. (E) RECTANGULAR RETURN DUCTWORK TO REMAIN.
4. (E) RETURN GRILLE TO REMAIN. REPLACE FILTER.
5. ~~(E) AIR MIXING BOX TO REMAIN. ARRANGE DAMPERS FOR 100% EXHAUST.~~
6. PROVIDE NEW 6"x6" SIDEWALL GRILLE FOR 150CFM RETURN. KRUEGER 600 SERIES OR EQUAL. ⚠2
7. (E) RETURN GRILLE TO REMAIN. TYPICAL IN MEN'S AND WOMEN'S RESTROOMS.
8. (E) RETURN DUCTWORK IN ATTIC TO REMAIN.
9. PROVIDE NEW FLEXIBLE CONNECTION TO NEW FAU.
10. (E) GAS PIPING TO REMAIN.
11. (E) FLUE THRU ROOF FOR FAU TO REMAIN. MAKE CONNECTION TO (N) FAU IN ATTIC.

FAU 1 — Packaged Forced Air Unit Schedule - Bid Alternate #2

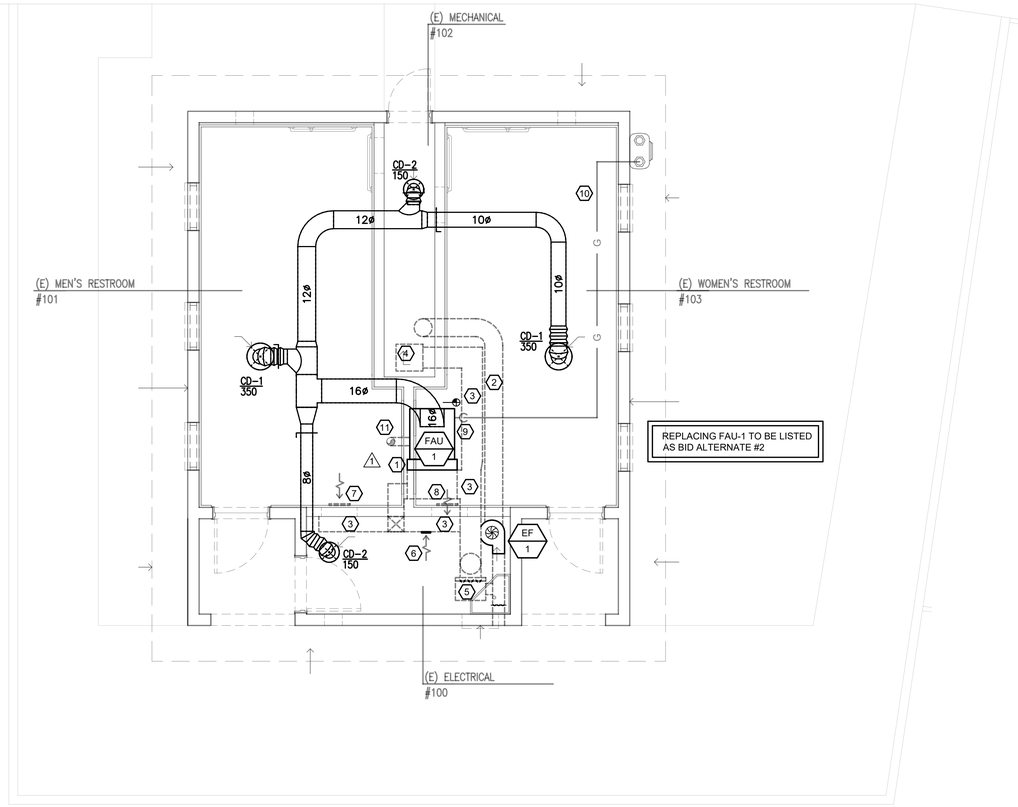
Unit Tag	Serving	Manufacturer	Model	Efficiency AFUE	Airflow (CFM)	Heating Capacity (Btuh)	Unit Volt/Ph	Approx. Weight (lbs)
1	All spaces	Ruud	R96TA-0402317MSA	96%	1000	42,000	115/1	120

Units to include:
2-stage heating
Multi-position for horizontal airflow
Removeable heat exchanger
Alumized steel primary and stainless steel secondary
Low profile

EF 1 — Exhaust Fan Schedule

PROVIDE NEW ⚠2

Unit Tag	Manufacturer	Model	Description	Volts/Ph	Exhaust cfm
1	PennBarry	D10	Utility set fan	115/1	1000
Additional Information: Belt Driven			Fan to operate with restroom light on occupancy sensor		



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

STATE PARKS IDAHO & RECREATION

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Architect/Engineer of Record

PROFESSIONAL ENGINEER LICENSED P-17071 STATE OF NEVADA DAVE M. SAAREM

19 Oct 2021

Location
4897 Hells Gate Rd.
Lewiston, ID 83501

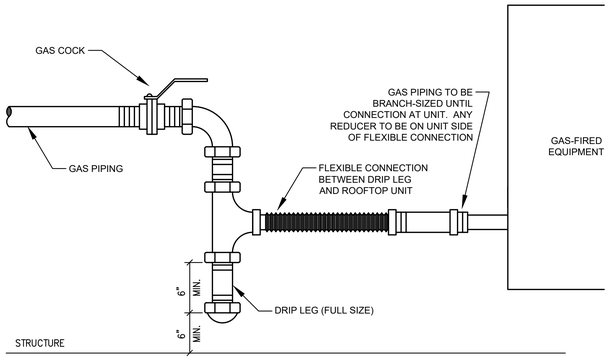
Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

Sheet Title
MECHANICAL PLAN

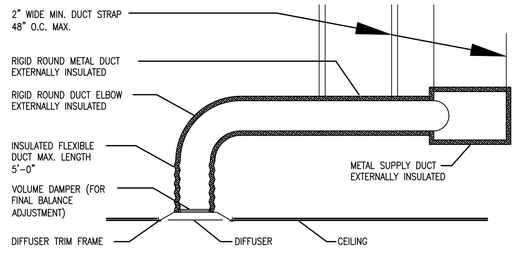
Scale: As Shown
Drawn By:
Chk'd By: D.M.
Issue Date:
August 2, 2021

Project No. 210209

Sheet M1.0



1 GAS PIPE CONNECTION DETAIL
NOT TO SCALE



2 DUCT DETAIL
NOT TO SCALE

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19 Oct 2021

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Project/Space No.
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Sheet Title
DETAILS

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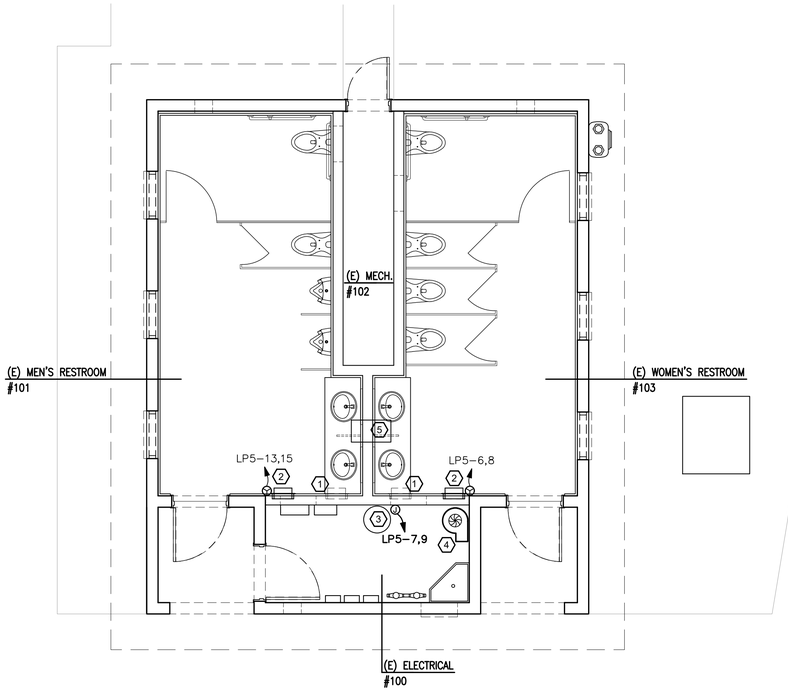
Sheet M1.1

NOTES BY SYMBOLS

1. REMOVE WIRING FROM DEMOLISHED HAND DRYER BACK TO CIRCUIT BREAKER.
2. (N) HAND DRYERS TO USE EXISTING CIRCUITS.
3. (N) WATER HEATER WILL REQUIRE 2-POLE BREAKER IN PANEL LP-5.
4. (N) EXHAUST FAN TO BE CIRCUITED WITH INDOOR LIGHTS THRU OCCUPANCY SENSOR. SEE LIGHTING PLAN.
5. FOR BID ALTERNATE #2: CONNECT (N) MECHANICAL FORCED AIR UNIT TO SAME CIRCUIT AND DISCONNECT AS DEMOLISHED UNIT.

ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
J	ELECTRICAL JUNCTION BOX
	DUPLEX RECEPTACLE, 3 WIRE GROUND TYPE, 20A
	GROUND FAULT PROTECTED DUPLEX RECEPTACLE, 20A
▲	DATA OUTLET-CATAGORY 5
	ELECTRICAL DISCONNECT SWITCH. CONFIRM # OF POLES & SIZE WITH MANUFACTURER OF EQUIPMENT BEING SERVED PRIOR TO PULLING WIRE.
	CONNECTION POINT FOR HAND DRYER



1 POWER PLAN
1/4" = 1'-0"

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19 Oct 2021

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Sheet Title
POWER PLAN

Scale: As Shown
Drawn By:
Chk'd By: D.M.
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Project No. 210209

Sheet
E1.0

NOTES BY SYMBOL

(1) PARALLEL THE OCCUPANCY SENSOR SO THAT EITHER ONE SENSING OCCUPANCY WILL ENABLE THE EXHAUST FAN.

(2) PROVIDE ALWAYS-HOT LEAD FOR BATTERY BACKUP. (2)

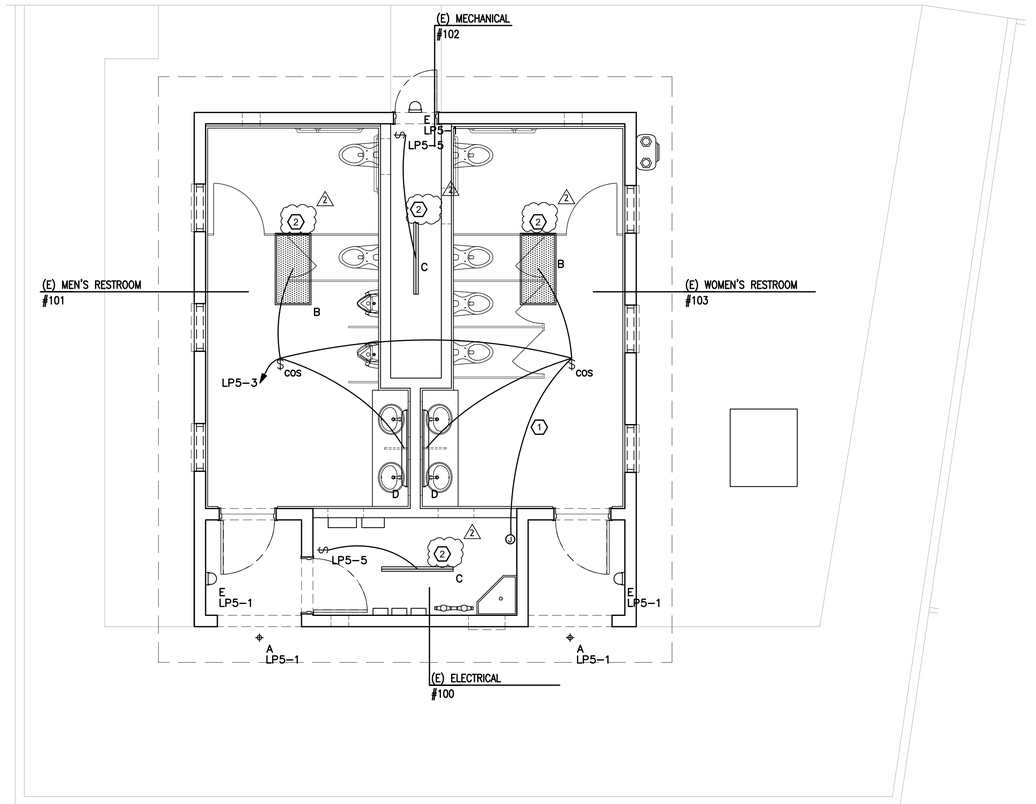
LIGHTING SCHEDULE - NO SUBSTITUTIONS*

TYPE	FIXTURE SYMBOL	DESCRIPTION & CATALOG NUMBER	ACCESSORIES/LAMP/MOUNTING	LOCATION	QTY. LF	WATTS W/LF	TOTAL WATTS
A		JUNO LED 6" RECESSED DOWN LIGHT 603WWH (WHITE)	75W/ 3000K/ 120V-277V HOUSING: TC928/TC928R: 75W A19, 75W PAR30	ENTRY TO BATHROOMS	2	75	150
B		ATTANIN LED RECESSED 2'X4' EDGE LIT PANEL AT-PH-24-45-37-W (WHITE)	45W/ 3700K/ 120-277V/ 0-10V DIMMING 2X4 SURFACE MOUNTING FRAME KIT (24-FPL-LLED-SMK) (2) (PROVIDE WITH INTEGRAL BATTERY PACK)	BATHROOMS	2	45	90
C		TEXAS FLUORESCENTS MEDIUM BODY STRIP C232MV	2 LED USHIO F32T5/835 (NOT INCLUDED) 32W/ 3500K/ 120-277/ 1S BASE (2) (PROVIDE WITH REMOTE BATTERY PACK)	ELECTRICAL/ MECHANICAL	2	64	128
D		AFX ALLEN LED VANITY ALNV SERIES ALNV540540LAJD2SN	49W/ 3000K/ 120-277V/ 0-10V DIMMING	AVOBE SINKS	2	49	98
E		LITHONIA LIGHTING EXTERIOR WALL MOUNTED SCONCE OLCS-8-4000K-120V-WH (WHITE)	8.9W/ 4000k/ 120V / INTEGRATED LED SURFACE MOUNTED TO RECESSED JUNCTION BOX	ENTRY TO BATHROOMS & MECH.	3	8.9	27
COS	COS	CEILING MOUNTED SENSOR MODEL NO: WATTSTOPPER DT-355(WHITE) DUAL TECHNOLOGY, LINE VOLTAGE	OCCUPANCY SENSOR-CEILING MOUNTED (COVERAGE SIZE: 1000 SQ FT)		-	-	-

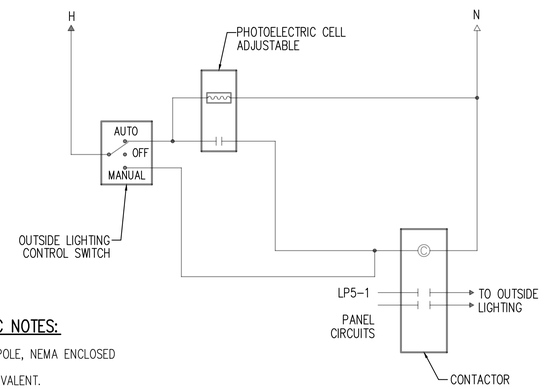
Total Proposed Interior Watts	Sq. Ft.	Watts per Sq. Ft.
316.00	710	0.45

All lighting fixtures to be supplied and installed by parties indicated in scope of work. See IECC for Watt/space breakdown.

*ANY PROPOSED SUBSTITUTIONS NEED TO BE OF EQUAL QUALITY AND APPROVED BY OWNER



1 LIGHTING PLAN
1/4" = 1'-0"



OUTSIDE LIGHTING CONTROL SCHEMATIC NOTES:

1. LIGHTING CONTACTOR(S) SHALL BE 20A, 600V, 2-POLE, NEMA ENCLOSED
2. PHOTOCELL SHALL BE INTERMATIC #K4100 OR EQUIVALENT.
3. LOCATE OUTSIDE LIGHTING CONTROLS (H.O.A., CLOCKS AND CONTACTORS) ADJACENT TO FEEDING ELECTRICAL PANEL. LOCATE PHOTOCELL OUTSIDE ON ROOF FACING NORTH.

2 EXTERIOR LIGHTING CONTROL DIAGRAM
NO SCALE

IDAHO STATE PARKS & RECREATION

Revisions

No.	Revisions	By	Date	Appr.
	ISSUED SET		8/25	
	Updated Set per Client Comments	L.E.	9/3	D.M.
1	Amendments to Issued Set	L.E.	10/11	D.M.
2	Additional Amendments to Set	L.E.	10/19	D.M.

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Project Manager Approval

Architect/Engineer of Record

PROFESSIONAL ENGINEER LICENSED P-17071 STATE OF IDAHO DAVID M. SAAREM

19 Oct 2021

Location
4897 Hells Gate Rd.
Lewiston, ID 83501

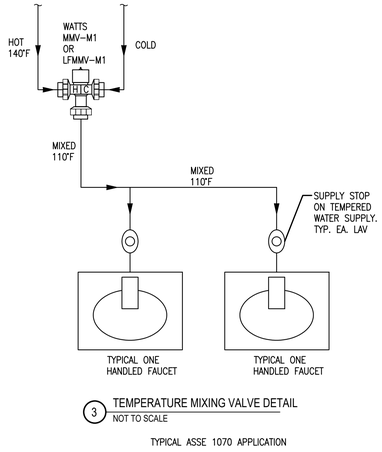
Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

Sheet Title
LIGHTING PLAN

Scale: As Shown
Drawn By:
Chk'd By: D.M.
Issue Date:
August 2, 2021

Project No.
210209

Sheet
E1.1



3 TEMPERATURE MIXING VALVE DETAIL
NOT TO SCALE

TYPICAL ASSE 1070 APPLICATION

NOTES BY SYMBOL

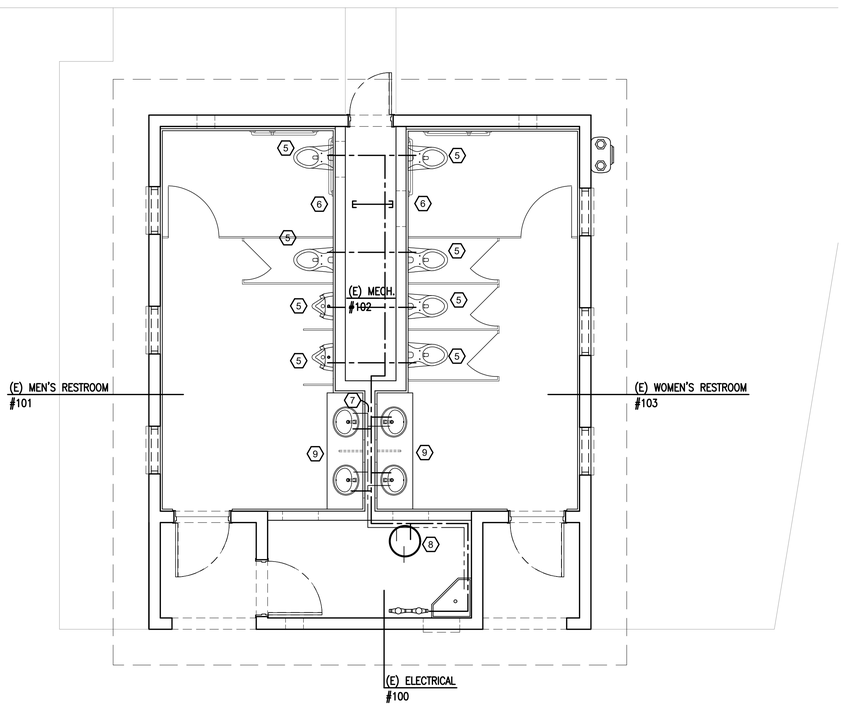
1. CONNECT (N) PLUMBING FIXTURE TO (E) WASTE AND VENT SYSTEM. SOME SAW CUTTING MAY BE NECESSARY AT ONE URINAL AS THE FIXTURE LOCATION HAS SHIFTED SLIGHTLY FROM EXISTING. ⚠1
2. CAP WASTE LINE AT DEMOLISHED FIXTURE.
3. CAP WASTE LINES AT DEMOLISHED LAVATORIES.
4. PROVIDE (N) WASTE AND VENT CONNECTIONS AT NEW LAVATORIES TO EXISTING WASTE/VENT SYSTEM.
5. CONNECT (N) FIXTURE TO (E) COLD WATER LINE.
6. CAP COLD WATER LINE INSIDE MECHANICAL ROOM AT DEMOLISHED FIXTURE.
7. DEMOLISH HOT WATER PIPING BEYOND THE (N) LAVATORES.
8. MAKE (N) CONNECTIONS TO (E) HOT AND COLD PIPING AND T&P AT (N) WATER HEATER.
9. MAKE (N) CONNECTIONS TO (E) HOT AND COLD PIPING AT EACH (N) LAVATORY.

PLUMBING SYMBOLS AND ABBREVIATIONS LEGEND

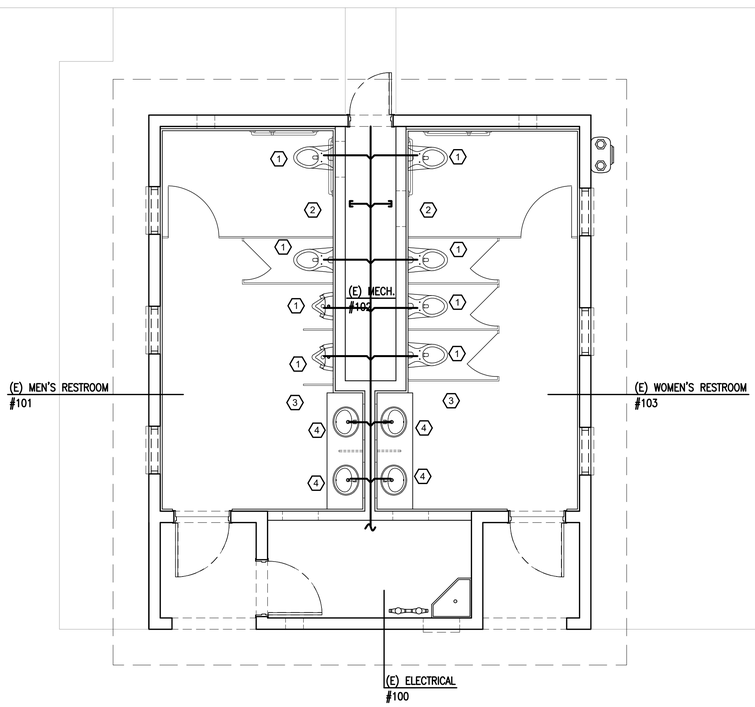
A.F.F.	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
C.L.;℄	CENTERLINE
COL.	COLUMN
CONTR.	CONTRACTOR
C.W.	COLD WATER
DEL.	DELIVERY
DF	DRINKING FOUNTAIN
DN.	DOWN
DOM.	DOMESTIC
E.C.	ELECTRICAL CONTRACTOR
EWC	ELECTRIC WATER COOLER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
F.D.C.	FIRE DEPT. CONNECTION
FIN. FL.	FINISHED FLOOR
FLA	FULL LOAD AMPS
F.P.C.	FIRE PROTECTION CONTRACTOR
H.C.	HVAC CONTRACTOR
HD	HUB DRAIN
HP	HORSE POWER
H.W.	HOT WATER
LAV	LAVATORY
MSB	MOP SINK BASIN
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
P.C.	PLUMBING CONTRACTOR
P.D.	PRESSURE DROP
RP	RETURN PUMP
RPZ	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
SAN.	SANITARY
T&P	TEMPERATURE AND PRESSURE
T.G.C.	TENANT'S GENERAL CONTRACTOR
TP	TRAP PRIMER
TYP.	TYPICAL
UR	URINAL
V.T.R.	VENT THRU ROOF
VS	VERSA SPA
WB	WASHER BOX (SEE A3.0 FOR MORE DETAIL)
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER
W.M.G.	WATER MOTOR GONG
XT	THERMAL EXPANSION TANK

COLD WATER PIPING
HOT WATER PIPING
SOIL/SEWER/WASTE PIPING
VENT PIPING
UNION
STRAINER
GAS PIPING
PIPE RISER
PIPE DROP
SHUT OFF VALVE
CHECK VALVE
POINT OF CONNECTION/ELEVATION/INVERT
KEYED NOTES ON DRAWING
DRAWING REVISIONS

NOTE: THIS LEGEND IS FOR REFERENCE ONLY. NOT ALL SYMBOLS AND ABBREVIATIONS WILL BE USED. NOT ALL SYMBOLS AND ABBREVIATIONS USED ARE INCLUDED IN LEGEND. IF QUESTIONS ARISE DUE TO THE USE OF ANY SYMBOL OR ABBREVIATION THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER IMMEDIATELY FOR DEFINITION(S) AND/OR CLARIFICATION(S).



2 SUPPLY PLAN
1/4" = 1'-0"



1 WASTE AND VENT PLAN
1/4" = 1'-0"

STATE PARKS & RECREATION IDAHO

Revisions

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PROFESSIONAL ENGINEER LICENSED P-17071 STATE OF NEVADA DAVE M. SAAREM

19 Oct 2021

Location
4897 Hells Gate Rd.
Lewiston, ID 83501

Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

Sheet Title
PLUMBING PLANS

Scale: As Shown
Drawn By:
Chk'd By: D.M.
Issue Date:
August 2, 2021

Project No. 210209

Sheet P1.0

PLUMBING

1. PLUMBING CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ALL DISCREPANCIES TO THE TENANT'S REPRESENTATIVE.

2. PROVIDE MINIMUM 1" INSULATION ON ALL HOT AND COLD WATER PIPING.

3. HOT/COLD WATER PIPING AND WASTE LINE BELOW LAVATORY SHALL BE INSULATED AS REQUIRED BY LOCAL CODE.

4. ALL PIPE INSULATION SHALL BE NONCOMBUSTIBLE MATERIALS AS REQUIRED BY LOCAL CODE.

5. FOR ADDITIONAL PLUMBING INFORMATION, REFER TO SPECIFICATIONS AND DETAILS ON PLUMBING DRAWINGS.

6. FIXTURES SHALL BE AS SCHEDULED ON SHEET A3.0. REPORT ANY DISCREPANICES TO ARCHITECT PRIOR TO BID.

7. MATERIALS

   A. SANITARY SEWER – CAST IRON OR COPPER PIPING MAY BE USED EXCEPT THAT ALL PIPING BELOW GRADE SHALL BE CAST IRON. VENTS TWO (2") INCHES IN SIZE AND SMALLER MAY BE EITHER SCHEDULE 40 GALVANIZED STEEL OR COPPER PIPING. PVC IS ALLOWED FOR WASTE / VENT WHERE APPROVED BY A.H.J.

   B. DOMESTIC WATER AND HOT WATER PIPING SHALL BE COPPER TYPE "L" WITH WROUGHT COPPER FITTINGS. ALL HOT WATER PIPING SHALL BE INSULATED WITH ARMAFLEX OR EQUIVALENT INSULATING TO A THICKNESS OF 1".

   C. GAS PIPING SHALL BE BLACK STEEL SCHEDULE 40 WITH SCREWED FITTINGS.

8. MAKING UP PIPE

   A. SCREWED PIPE SHALL BE MADE WITH PIPE COMPOUND APPLIED TO THE MALE THREAD WITH NOT MORE THAN TWO THREADS LEFT EXPOSED. PIPE SHALL BE REAMED AFTER THREADING.

   B. BELOW GRADE SANITARY PIPE THAT IS CAST IRON SHALL BE MADE UP WITH ONE THIRD OF THE HUB CAULKED WITH FIRST QUALITY OAKUM, AND THE REMAINDER FILLED WITH FIRST QUALITY CAULKING AT ONE POURING AND CAULKED TIGHT.

   C. COPPER JOINTS SHALL BE MADE UP WITH 95–5 SOLDER.

9. HANGERS AND SUPPORTS

   HORIZONTAL PIPING SHALL BE SUPPORTED AT INTERVALS NOT TO EXCEED 10'0" WITH SWIVEL SPLIT PIPE HANGERS EQUAL TO CRANE NO. 199F OR GRINNELL NO. 104. VERTICAL PIPING SHALL BE SUPPORTED BY MEANS OF WROUGHT IRON CLAMPS SUSPENDED FROM THE UNDERSIDE OF STRUCTURE WITH HANGER RODS.

10. CLEANOUTS

    CLEANOUTS SHALL BE MANUFACTURED BY TYLER, MILWAUKEE, OR EQUAL AND SHALL BE INSTALLED AT ALL BENDS, ANGLES, AND ENDS OF ALL WASTE AND SEWER LINES AS CALLED FOR ON THE DRAWINGS AND AS REQUIRED BY LOCAL CODES. ALL CLEANOUTS SHALL BE BROUGHT TO GRADE, AND IN ALL CASES, SHALL BE PROVIDED WITH SUFFICIENT SPACE FOR RODDING.

HEATING, VENTILATING AND AIR CONDITIONING

1. ALL HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS MUST BE DESIGNED AND INSTALLED IN CONFORMANCE WITH THE STATE AND LOCAL BUILDING CODES, LOCAL FIRE DEPARTMENT REGULATIONS, AND THE LATEST EDITION OF SMACNA AND ASHRAE STANDARDS.

2. DUCTWORK AND ALL OTHER HVAC CONSTRUCTION MUST BE DESIGNED TO CLEAR ANY INTERIOR ROOF LEADERS, DOWNSPOUTS, GAS LINES, OR OTHER EXISTING CONSTRUCTION THAT OCCURS IN TENANT'S LEASED SPACE.

3. EXHAUST DUCT, PLUMBING VENTS AND FLUES SHALL NOT BE LOCATED WITHIN 10'–0" OF ANY EXTERIOR WALL. WHEREVER POSSIBLE, EXHAUSTS SHALL BE A MINIMUM OF 10'–0" FROM ANY FRESH AIR INTAKES FOR HVAC EQUIPMENT.

4. ALL ROOF WORK SHALL BE COORDINATED WITH THE OWNER'S FIELD REPRESENTATIVE. THE HVAC CONTRACTOR IS REQUIRED TO USE LANDLORD'S ROOFING CONTRACTOR FOR ALL ROOF WORK. THE HVAC CONTRACTOR SHALL INCLUDE THE COST OF SAME IN HIS BID.

5. HVAC CONTRACTOR SHALL PAY ALL FEES, OBTAIN ALL PERMITS AND INSPECTIONS AS REQUIRED FOR THIS PORTION OF THE WORK.

6. HVAC CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE FULL EXTENT OF HIS WORK. ANY DISCREPANCIES WITH PLANS TO BE REPORTED TO OWNER'S REPRESENTATIVE PRIOR TO THE SUBMISSION OF A BID.

7. ALL NEW MATERIALS, EQUIPMENT AND WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING DATE OF ACCEPTANCE BY OWNER, EXCEPT WHERE A LONGER WARRANTY PERIOD IS PROVIDED BY THE MANUFACTURERS OF EQUIPMENT OR COMPONENTS.

8. PRIOR TO THE START UP OF HVAC SYSTEM, THE HVAC CONTRACTOR SHALL CLEAN ALL DUCTWORK AND EQUIPMENT TO REMOVE ANY DIRT, RUBBISH OR DEBRIS.

9. THE COMPLETE HVAC SYSTEM SHALL BE TESTED AND BALANCED BY THE HVAC CONTRACTOR TO INSURE PROPER AIR FLOW TO ALL AREAS. THE GENERAL CONTRACTOR SHALL CONTRACT WITH AN INDEPENDENT TESTING ASSOCIATION TO VERIFY ALL AIR FLOW. A COPY SHALL BE FURNISHED TO THE OWNER. REPORT SHALL INCLUDE MINIMUM OUTSIDE AIR CFM READING. SUBMIT COPY OF REPORT TO OWNER.

10. FOR ADDITIONAL HVAC INFORMATION REFER TO MECHANICAL DETAILS AND DRAWINGS.

11. ALL DUCT WORK SHALL BE METAL. FIBERGLASS SHALL NOT BE USED IN ANY SITUATION. REFER TO NOTE 15.

12. HANGERS AND SUPPORTS

    A. ALL HORIZONTAL DUCTS HAVING A DIMENSION OF 40 INCHES AND LESS SHALL BE SUPPORTED BY MEANS OF BAND IRON HANGERS OF NO. 18 U.S. GAUGE ATTACHED TO THE DUCT BY MEANS OF RIVETS, SCREWS, OR CLAMPS, AND FASTENED TO STRUCTURE ABOVE BY TOGGLE BOLTS OR OTHER MEANS. EACH SECTION OF DUCTWORK SHALL HAVE AT LEAST ONE PAIR OF SUPPORTS. VERTICAL DUCTS SHALL BE SUPPORTED WITH 1–1/4" X 1–1/4" X 1/4" ANGLES WHERE THEY PASS THROUGH THE FLOOR LINES.

    B. ALL HORIZONTAL DUCTS HAVING A DIMENSION OF 40 INCHES AND MORE SHALL BE SUPPORTED BY MEANS OF ANGLE IRON TRAPEZE HANGERS. EACH SECTION OF DUCTWORK SHALL HAVE AT LEAST ONE PAIR OF SUPPORTS.

13. FLASHING

    A. CONTRACTOR WILL PROVIDE WATER TIGHT 24 GAUGE SHEET METAL FLASHING AT ALL EXTERIOR WALLS AND ROOF PENETRATIONS.

    B. ALL CUTTING OF ROOF OPENINGS, SUPPORTS FOR THE ROOF OPENINGS, PITCH PANS, ROOF CURBS, FLASHINGS, COUNTER FLASHINGS, REPAIR TO ROOF, ETC., ASSOCIATED WITH HVAC SUBCONTRACTOR SHALL BE THE RESPONSIBILITY OF HVAC CONTRACTOR. HE SHALL EMPLOY LANDLORD'S ROOFERS FOR THIS WORK SO AS TO MAINTAIN LANDLORD'S ROOF BOND.

14. TOILET EXHAUST SHALL HAVE BACKDRAFT DAMPER

15. DUCTWORK (PROVIDE R–VALUE PER CODE (VERIFY))

    A. SQUARE AND RECTANGULAR DUCTWORK SHALL BE CONSTRUCTED OF NEW GALVANIZED PRIME SHEET STEEL OF THE FOLLOWING GAUGES:

DUCT SIZE	GAUGE
12" AND LESS	NO. 26 U.S.
13" TO 30"	NO. 24 U.S.
31" TO 54"	NO. 22 U.S.
55" TO 84"	NO. 20 U.S.
85" AND OVER	NO. 18 U.S.

    B. SQUARE AND RECTANGULAR DUCTWORK SHALL BE CONSTRUCTED AS FOLLOWS:

DUCT SIZE	METHOD
17" AND LESS	S" AND DRIVE CLEATS
18" TO 30"	1" STANDING SEAMS ON 3'0" CENTERS
31" TO 54"	1–1/4" STANDING SEAMS ON 3'0" CENTERS

    ROUND DUCTWORK SHALL BE CONSTRUCTED OF NEW GALVANIZED PRIME GRADE SHEET STEEL OF THE FOLLOWING GAUGES:

DUCT SIZE (DIAMETER)	DUCTS	FITTING
8" AND LESS	24	22
9" TO 18"	22	20
19" TO 30"	20	18

    ALL 90 ELBOWS FOR ROUND DUCTWORK SHALL BE FIVE (5) PIECE. ALL LONGITUDINAL SEAMS SHALL BE FORMED BY PITTSBURGH LOCKS. JOINTS SHALL BE SWAGGED WITH ON–HALF INCH (1/2") OVERLAP.

    C. ALL DUCTWORK SHALL BE MADE AIR TIGHT WITH MASTIC AND PRESSURE SENSITIVE TAPE.

    D. ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTWORK LOCATED WITHIN THE BUILDING SHALL BE INSULATED WITH ONE AND ONE–HALF (1–1/2") THICK FOIL–FACED FIBERGLASS INSULATION. WHERE EXPOSED, DUCTWORK SHALL BE INTERNALLY LINED.

    E. ALSO SUPPLY AND RETURN, AIR DUCTS LOCATED OUTSIDE OF BUILDING OR EXPOSED TO WEATHER SHALL HAVE ONE AND ONE–HALF INCH (1–1/2") RIGID INSULATION ON INTERIOR OF DUCT.

    F. CONTRACTOR WILL INSTALL INSECT SCREENS ON ALL DUCT OPENINGS WHICH LEAD TO OR ARE OUTDOORS. INSECT SCREENS SHALL HAVE REMOVABLE GALVANIZED STEEL FRAMES.

16. DAMPERS

    A. SPLITTER DAMPERS SHALL BE FABRICATED OF SHEET STEEL NOT LESS THAN NO. 16 U.S. GAUGE WITH THE LEADING EDGE HEMMED. EACH DAMPER SHALL BE LARGE ENOUGH TO COVER THE SMALLER OF THE TWO OPENINGS IT CONTROLS. DAMPERS SHALL BE CONTROLLED AS FOLLOWS:

    EXPOSED OR ACCESSIBLE DUCTWORK – LOCKING QUADRANTS EQUAL TO YOUNG REGULATOR NO. 1 WITH DAMPER ROD END BEARINGS ON OPPOSITE END.

    CONCEALED OR INACCESSIBLE DUCTWORK – LOCKING QUADRANT EQUAL TO YOUNG REGULATOR NO. 315 (CHROMIUM PLATED WITH DAMPER ROD END BEARINGS ON BOTH ENDS).

    B. VOLUME DAMPERS SHALL BE OF THE OPPOSED INTERLOCKING TYPE AS MANUFACTURED BY AMERICAN FOUNDRY AND FURNACES CO. (AFFCO) OR EQUAL. BLADES SHALL BE OF NO. 16 GAUGE SHEET METAL AND SHALL NOT EXCEED 48" IN LENGTH OR 12" IN WIDTH. BLADES SHALL BE ON ONE–HALF INCH (1/2") DIAMETER RUSTPROOF AXLE. BEARINGS SHALL BE OF THE SELF–LUBRICATING FERRULE TYPE.

    C. DOUBLE THICKNESS TURNING VANES SHALL BE IN SQUARE ELBOWS. PROVIDE AND INSTALL BARBER–COLMAN AIRTURNS OR EQUAL. TURNING VANES SHALL BE OF THE SAME GAUGE METAL AS THE DUCT IN WHICH THEY ARE INSTALLED. RADIUS ELBOWS SHALL HAVE A CENTERLINE RADIUS OF ONE AND ONE–HALF (1–1/2") TIMES THE DUCT WIDTH.

17. DUCTWORK – EXCEPTIONS

    DUCTWORK FOR EXHAUSTING AIR OR OUTSIDE SUPPLY AIR SHALL BE ALL METAL AND CONSTRUCTION ACCORDING TO RECOMMENDED PRACTICES AS FOUND IN THE LATEST ISSUE OF ASHRAE.

18. SUPPORT OF DUCT SYSTEM

    DUCTWORK SHALL BE SUPPORTED AT ALL TURNS AND TRANSITIONS PLUS NOT MORE THAN 8'–0" O.C. FOR STRAIGHT DUCTS UP TO 35" TO 59" MAXIMUM DIMENSIONS, 6' O.C. AND DUCTS OVER 60" MAXIMUM DIMENSION, 4' O.C.

    HANGER DESIGN SHALL BE AS DESCRIBED IN THE LATEST EDITION OF THE "SMACNA" MANUAL. REINFORCEMENT MEMBERS MAY BE USED TO SUPPORT THE DUCT SYSTEM PROVIDED DETAILS OUTLINED IN THE AFOREMENTIONED DOCUMENTS ARE ADHERED TO.

19. REINFORCEMENT

    ALL DUCTS REQUIRING REINFORCEMENT SHALL BE REINFORCED ACCORDING TO THE LATEST EDITION OF "SMACNA" MANUAL AS OUTLINED ON PAGES 8 AND 9 OF THE MANUAL.

    MATERIALS FOR REINFORCEMENT MEMBERS SHALL BE GALVANIZED STEEL. ALL SCREWS AND WASHERS SHALL BE PLATED OR GALVANIZED.

20. ACCESSORY ITEMS

    ALL MANUAL DAMPERS, FIRE DAMPERS, TURNING VANES, REGISTER CONNECTIONS, ACCESS DOORS OR OTHER ASSOCIATED ACCESSORIES SHALL BE INSTALLED ACCORDING TO THE LATEST PUBLICATION OF "SMACNA" MANUAL.

21. PIPING

    A. PIPING AND FITTINGS SHALL BE OF THE WEIGHTS AND TYPES SHOWN ON THE DRAWINGS. SIZES SHOWN ON THE DRAWINGS ARE NOMINAL PIPE SIZES.

    B. ALL PIPES SHALL BE INSTALLED PARALLEL TO, OR AT RIGHT ANGLES WITH THE BUILDING WALLS AND PARTITIONS AND SHALL BE INSTALLED WITH THE PROPER PITCH.

    C. ALL PIPING SHALL BE UPENDED AND POUNDED TO REMOVE ANY FOREIGN MATTER PRESENT AND SHALL BE SWABBED IF NECESSARY.

    D. REFRIGERANT PIPING SHALL BE COPPER TYPE "L" WITH WROUGHT COPPER FITTINGS. JOINTS SHALL BE MADE USING SILFOS OR 95–5 SOLDER.

    E. REFRIGERANT SUCTION LINES SHALL BE INSULATED WITH ONE INCH (1") THICK INSULATION. PROVIDE A CONTINUOUS VAPOR SEAL.

22. ALL DUCT WORK SHALL BE PULLED AS TIGHT AS POSSIBLE AGAINST MALL JOIST.

ELECTRICAL

1. FOR ADDITIONAL ELECTRIC INFORMATION SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS.

2. ELECTRICAL CONTRACTOR TO PROVIDE ALL BREAKERS TO BE BOLT DOWN TYPE.

3. ALL CONDUCTORS, GROUNDS, BUS BARS AND WINDINGS SHALL BE COPPER. PRIMARY AND SECONDARY SERVICE FEEDERS MAY BE SUBSTUTED ALUMINUN WHERE APPROVED BY OWNER AND LOCAL AHJ. SIZE EQUIVALENT PER NEC.

4. THE ELECTRICAL CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE PLANS (ARCHITECTURAL, MPE, LANDLORD DRAWINGS AND DETAILS, ETC.) AND SHALL VERIFY EXISTING CONDITIONS AT THE JOB SITE.

5. ENTIRE INSTALLATION SHALL BE PREPARED IN A FIRST–CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL. ACCEPTANCE BY OWNER SHALL BE A CONDITION OF THE CONTRACT. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCES OR DISPUTES AMONG RESPECTIVE TRADES.

6. ALL NEW MATERIALS, WORKMANSHIP, AND EQUIPMENT SHALL BE GUARANTEED FOR ONE YEAR AFTER SYSTEM ACCEPTANCE.

7. ALL WIRING SHALL BE IN CONDUIT AS REQUIRED BY LOCAL CODE AND SHALL BE CONCEALED WHERE POSSIBLE. WHERE EXPOSED, RUN IN STRAIGHT LINES PARALLEL AND/OR PERPENDICULAR TO BUILDING LINES.

8. ELECTRICAL CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS ITEMS REQUIRED TO COMPLETE THE WORK.

9. ELECTRICAL CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS BUT SHALL CONTACT THE OWNERS REPRESENTATIVE REGARDING ANY DIMENSIONAL DATA REQUIRED AND SHALL VERIFY EXACT LOCATION AND MOUNTING HEIGHTS OF ALL FIXTURES, NOT SPECIFIED ON DRAWINGS OR DETAILS WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

10. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL FIXTURES, LAMPS AND REPLACEMENTS WORK THAT ARE NOT INDICATED ON DRAWINGS OR FURNISHED BY OWNER. OWNER TYPICALLY SUPPLIES ALL LIGHTING FIXTURES, EXIT SIGNS AND LAMPS. REFER TO ELECTRICAL DRAWINGS AND SCHEDULES. ALL SUCH INSTALLATIONS AND HOOK–UPS ARE BY ELECTRICAL CONTRACTOR.

11. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL OR REMOVE AND REPLACE AS NECESSARY ALL DAMAGED LIGHT FIXTURES LENSES, LOUVERS, BAFFLES, HOUSINGS, ETC., RECEIVED ON JOB IN DAMAGED OR DEFECTIVE CONDITION, WITH REPLACEMENT UNITS.

12. THE ELECTRICAL CONTRACTOR'S CONTRACT, ALONG WITH THE PREVIOUS LISTED ITEMS, SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: WIRING, PANEL BOXES, TRANSFORMERS, SWITCHES, DUPLEX RECEPTACLES, SIGN TIME CLOCK, JUNCTION BOXES, AND LABOR.

13. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE ANY AND ALL ITEMS NECESSARY TO COMPLETE THIS PROJECT AS DRAWN.

14. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL EQUIPMENT AND WIRING IN ACCEPTANCE WITH OWNER'S DESIGN CRITERIA.

15. EQUIPMENT IDENTIFICATION

    A. IDENTIFY ALL EQUIPMENT AND APPARATUS WITH ENGRAVED BAKELITE NAMEPLATE OR IMPRESSED, PLASTIC, STRIP. REFER TO NOTE 22.

16. ELECTRICAL CONTRACTOR SHALL BALANCE THE LOADS ACROSS ALL PHASES AND SHALL PROVIDE A CIRCUIT DIRECTORY WITH TYPED CIRCUIT DESIGNATION CARD UNDER PLASTIC COVER ON THE INSIDE OF EACH PANEL DOOR. ELECTRICAL CONTRACTOR SHALL ALSO FURNISH AND INSTALL NAMEPLATE ON ALL DISCONNECT SWITCHES AND PANELS. ALL NEW ELECTRICAL MATERIALS, PRODUCTS AND EQUIPMENT (INCLUDING ALL COMPONENTS THEREOF) SHALL BEAR THE UNDERWRITER'S LABORATORIES LABEL AND MEET THE APPROPRIATE ASTM, NEC AND NEMA STANDARDS.

17. ONLY U.L. APPROVED CUT–OUTS WILL BE PERMITTED IN DEMISING AND OTHER FIRE RATED PARTITIONS FOR ELECTRICAL CIRCUITS/SWITCHES, AND FOR ALL UTILITY PENETRATIONS.

18. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A TEMPORARY LIGHTING AND POWER SYSTEM FOR THE WORK OF ALL TRADES DURING CONSTRUCTION, AND SHALL REMOVE THE SAME PRIOR TO THE COMPLETION OF THE PROJECT.

19. OWNER'S ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO PROVIDE TEMPORARY POWER WITH GROUND FAULT PROTECTION FOR ALL POWER EQUIPMENT USED IN THE PREMISES, AND SHALL REMOVE THE SAME PRIOR TO THE COMPLETION OF THE PROJECT.

20. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE ANY AND ALL BLOCKING, CHAINS, HANGERS, ETC., AS NECESSARY TO SUPPORT LIGHTING SYSTEMS.

21. RECEPTACLES

    A. ALL CONVENIENCE DUPLEX RECEPTACLES SWITCH PLATES SHALL BE LOCATED 18" A.F.F. UNLESS OTHERWISE NOTED ON PLANS.

    B. GROUND FAULT INTERRUPTER RECEPTACLES SHALL BE AS FOLLOWS:

       1. FOR INTERIOR APPLICATIONS: INSTALL GFI RECEPTACLE DESIGNED TO TRIP AT 5 MA IN 1/30TH OF A SECOND RATED AT 115VAC/20A WITH FACE AND STAINLESS STEEL COVER PLATE AS MANUFACTURED BY PASS AND SEYMOUR OR EQUAL.

       2. FOR EXTERIOR APPLICATIONS, INSTALL GFI RECEPTACLE AS DESIGNED FOR TRIP AND RATING ABOVE. RECEPTACLE SHALL BE MOUNTED IN A BOX RATED NEMA 3R AND SHALL COVER PLATE AS MANUFACTURED BY PASS AND SEYMOUR OR EQUAL.

    C. NO CONVENIENCE DUPLEX RECEPTACLES SHALL BE LOCATED ON CERAMIC TILE OR A MIRRORED SURFACE UNLESS SPECIFICALLY REQUIRED BY CITY CODE.

22. LIGHT SWITCH BOXES

    ENCLOSURE BOXES TO SERVE AS RECEIVE FOR VARIOUS LIGHT CONTROL SWITCHES (PER PLANS) MEET SAME CRITERIA AS FOR OUTLET/BOXES (ABOVE). ALL BOXES SHALL (AS A MINIMUM STANDARD) BE RATED FOR THE VOLTAGE AND AMPERAGE OF THE CIRCUIT. BEING SWITCHED AND/OR TO MEET LOCAL CODES AND ORDINANCES.

23. LIGHT SWITCHES

    A. GENERAL–USE SNAP SWITCHES AS INDICATED ON PLANS ARE AS MANUFACTURED BY LEVITON, PASS AND SEYMOUR OR EQUAL AND SHALL BE RATED AT 20A/125VAC. THE SWITCH FACE AND COVER PLATE SHALL BE OF HIGH–IMPACT NYLON UNLESS NOTED OTHERWISE. MOUNT AT 48" AFF.

    B. SNAP–SWITCHES USED TO CONTROL OUTLETS/RECEPTACLES SHALL BE OF THE HEAVY–DUTY TYPE RATED AT THE VOLTAGE/AMPERAGE INDICATED ON PLANS AND DIAGRAMS AND SHALL BE FURTHER QUALIFIED TO CONTROL MOTOR LOADS UP TO 2 H.P., UNLESS NOTED OTHERWISE, AS MANUFACTURED BY PASS AND SEYMOUR OR EQUAL, (BODY AND COVER PLATE).

24. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO WIRE INDIVIDUAL FIXTURES INSIDE TENANT FURNISHED LIGHT BOXES. FINAL HOME RUNS, CONNECTIONS, AND LAMPING SHALL ALSO BE INCLUDED.

25. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO WIRE INDIVIDUAL FIXTURES INSIDE TENANT FURNISHED LIGHT BOXES. FINAL HOME RUNS, CONNECTIONS, AND LAMPING SHALL ALSO BE INCLUDED.

26. GENERAL

    ALL WIRING SHALL CONFORM TO THE STANDARDS OF THE NATIONAL ELECTRICAL CODE AND MEET ALL LOCAL REGULATIONS.

27. LIGHTING AND POWER PANELS

    A. ALL LIGHT AND POWER PANELS SHALL BE GENERAL ELECTRIC, WESTINGHOUSE, OR I–T–E; UTILIZING BOLTED BREAKERS WITH INTEGRAL MAIN BREAKER (SIZE PER PLANS).

28. STEP DOWN TRANSFORMERS

    A. STEP DOWN TRANSFORMERS SHALL BE EQUAL TO GE OR WESTINGHOUSE 600 VOLT CLASS "DRY TYPE" SINGLE OR THREE PHASE PER PLANS CLASS "R" INSULATION WITH MULTIPLE TAPS ABOVE AND BELOW RATED VOLTAGE.

29. CONDUIT (COMPRESSION FITTINGS REQUIRED)

    A. ALL CONDUIT SHALL BE CONCEALED, IN FINISHED AREAS. ALL CONDUIT UNDER GROUND OR IN CONCRETE SLAB SHALL BE RIGID CONDUIT. ALL OTHER CONDUIT MAY BE ELECTRICAL METALLIC TUBING (E.M.T.). ALL OUTLETS SHALL BE FLUSH MOUNTED. ALL CONDUITS SHALL BE RUN PARALLEL WITH AND AT RIGHT ANGLES TO THE BUILDING CONSTRUCTION AND SHALL BE LEVEL. FLEXIBLE METALLIC TUBING (F.M.T.) MAY BE USED WHERE PERMITTED (BY N.E.C. ARTICLE 349 OR LOCAL RESTRICTIONS).

    B. CONTRACTOR WILL PROVIDE NECESSARY CABLES, JUMPERS, ETC., TO INSURE CONTINUOUS GROUND IN CONDUIT SYSTEM.

    C. ECR(S) REQUIRE TRUE THREE WIRE DEDICATED LINES. THIS IS A TRUE GROUND NOT A NEUTRAL. CONDUIT MUST NOT BE USED AS THE ONLY GROUNDING MEANS.

    D. THE CONDUITS REQUIRED FOR MECHANICAL CONTROLS SHALL BE SUPPLIED BY THE ELECTRICAL CONTRACTOR. THE ELECTRICAL WIRING FOR THE MECHANICAL CONTROLS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. ALL UNITS SHALL BE PROVIDED WITH INDIVIDUAL DISCONNECTS AT EACH UNIT IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.

    E. WHERE STORE IS ON ANY LEVEL BUT GROUND LEVEL, THE TENANT'S GENERAL CONTRACTOR SHALL RUN ALL CONDUIT FOR ELECTRICAL FLOOR OUTLETS AND TELEPHONE FLOOR OUTLETS, TIGHT AGAINST THE UNDERSIDE OF THE SECOND FLOOR LEVEL. THE SECOND FLOOR STRUCTURAL SLAB SHALL BE CORED AS REQUIRED TO INSTALL THESE ITEMS AT THE LOCATIONS SHOWN ON THE PLANS.

    F. ALL TELEPHONE WIRE SHALL BE INSTALLED IN CONDUIT. ALL WIRES SHALL BE COPPER.

30. CONDUCTORS

    A. NO ALUMINUM WIRING IS ACCEPTABLE.

    B. NO. 8 AND SMALLER, SOLID CONDUCTOR, COPPER TYPES, TW, THW, THWN, R, RH, RHW, WITH IDEAL WINGNUTS, SCOTCHLOCK CONNECTORS.

    C. NO. 6 AND LARGER, STANDARD CONDUCTOR, COPPER TYPES, THW, THWN, RHW, RHWN, WITH SOLDERLESS BOLTED PRESSURE CONNECTORS.

    D. FIXTURE WIRING IN CHANNELS OF FLUORESCENT FIXTURES SHALL BE EITHER RHH ON THERMOPLASTIC 'APPLIANCE WIRE' – 105 DEGREE C COPPER (CSA TYPE THW).

    E. MINIMUM SIZE, SHALL BE NO. 12 AWG, TYPE RHWN, EXCEPT FOR CONTROL CIRCUITS.

31. OUTLET BOXES

    OUTLET BOXES SHALL BE PRESSED STEEL KNOCKOUT TYPE CAST IRON WITH DRILLED, TAPPED, AND PLUGGED HOLES OR PVC. CAST IRON BOXES SHALL BE HOT DIPPED GALVANIZED OR SHERARDIZED. ALL BOXES SHALL BE OF PROPER CODE SIZE FOR THE NUMBER OF WIRES OR CONDUITS PASSING THROUGH OR TERMINATING THEREIN.

32. HVAC EQUIPMENT

    A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRING, CONDUIT, FINAL CONNECTIONS, DISCONNECTS, INTERLOCKS, DAMPER ACTUATORS, ALL POWER AND CONTROL WIRING DIAGRAMS. ALL HVAC EQUIPMENT SHALL BE FURNISHED BY HVAC CONTRACTOR.

TEMPORARY SERVICES

1. THE GENERAL CONTRACTOR SHALL PROVIDE THE FOLLOWING SPECIFIC ITEMS OF TEMPORARY SERVICES:

   A. TELEPHONE – THE TENANT'S GENERAL CONTRACTOR SHALL INSTALL A JOB SITE TELEPHONE AND NOTIFY TENANT OF THE TELEPHONE NUMBER AND THE NAME OF THE SUPERINTENDENT ON OR BEFORE JOB START–UP.

   B. TEMPORARY WATER – WATER REQUIRED IN THE PERFORMANCE OF THE CONTRACT SHALL BE PROVIDED AND PAID FOR BY THE CONTRACTOR. WATER USED FOR HUMAN CONSUMPTION SHALL CONFORM TO REQUIREMENTS OF STATE AND LOCAL AUTHORITIES FOR POTABLE WATER.

   C. TEMPORARY ELECTRICITY – TEMPORARY ELECTRIC SERVICE REQUIRED IN THE PERFORMANCE OF THE CONTRACT SHALL BE FURNISHED AND MAINTAIN ALL TEMPORARY OVERHEAD CONSTRUCTION, METERS, DROPS, AND OTHER WIRING AND FITTINGS FOR BOTH LIGHT AND POWER AT LOCATIONS REQUIRED IN THE WORK AND SHALL BEAR THE COST OF MAKING THE SERVICE CONNECTIONS. BEFORE FINAL ACCEPTANCE, TEMPORARY ELECTRICAL SERVICE FACILITIES INSTALLED BY THE CONTRACTOR SHALL BE REMOVED AND/OR SERVICE DISCONNECTED IN ACCEPTABLE MANNER.

   D. TEMPORARY HEAT: WHEN REQUIRED FOR PROPER INSTALLATION OR PROTECTION OF ANY PORTION OF THE WORK, CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY HEATING UNITS AS PROVIDED BY THE LANDLORD OR LOCAL AUTHORITY.

   E. COST OF LANDLORD PROVIDED UTILITY SERVICES: IF THE LANDLORD ELECTS TO PROVIDE TEMPORARY UTILITY SERVICES, THE CONTRACTOR WILL BE SO INFORMED BY THE TENANT. THE CONTRACTOR SHALL MAKE PROVISIONS OR COORDINATE WITH LANDLORD'S GENERAL CONTRACTOR TO PAY THE COST OF SAID TEMPORARY CONSTRUCTION AND UTILITY SERVICES.

STATE PARKS IDAHO & RECREATION

Revisions

No.	Revisions	By	Date	Appr.
	ISSUED SET		8/25	
	Updated Set per Client Comments	L.E.	9/3	D.M.
1	Amendments to Issued Set	L.E.	10/11	D.M.
2	Additional Amendments to Set	L.E.	10/19	D.M.

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Project Manager Approval

Architect/Engineer of Record

PROFESSIONAL ENGINEER LICENSED P-17071 STATE OF IDAHO DAVE M. SAAREM

19 Oct 2021

Location
4897 Hells Gate Rd.
Lewiston, ID 83501

Project/Space No.
HELLS GATE STATE PARK
Remodel Marina Restroom
IDPR# 320312

Sheet Title
SPECIFICATIONS

Scale: As Shown
Drawn By:
Chk'd By: D.M.
Issue Date:
August 2, 2021

Project No. 210209

Sheet
ME1