WASHINGTON STATE PARKS & RECREATION COMMISSION

SOPHIA DANENBERG, CHAIR

KEN BOUNDS — LAURIE CONNELLY

MICHAEL LATIMER — SCOTT MERRIMAN

ALI RAAD — HOLLY WILLIAMS

DIANA DUPUIS, DIRECTOR

APPROVED FOR CONSTRUCTION

18 Sept 2024

REGION MANAGER date

9/20/2024

CAPITAL PROGRAM MANAGER date

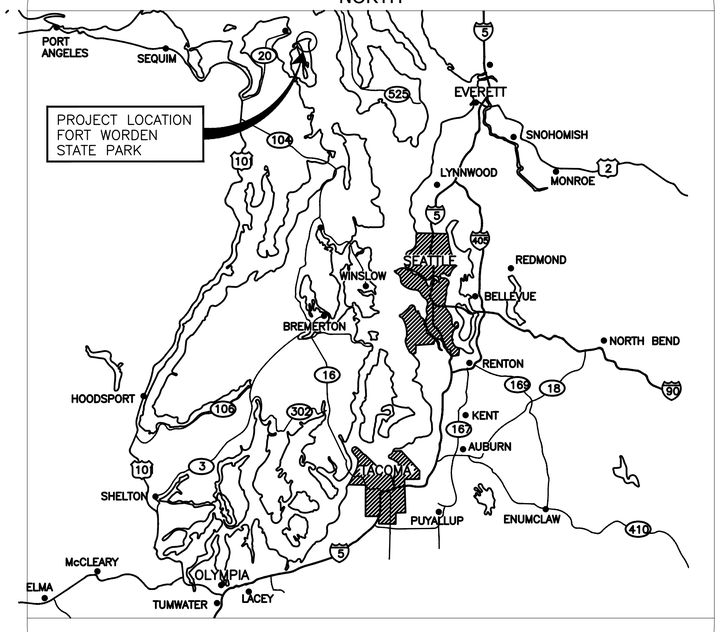
Area Manager: Brian Hageman

FORT FLAGLER STATE PARK

BUILDING 104 - THEATER REHABILITATION PROJECT

VICINITY MAP

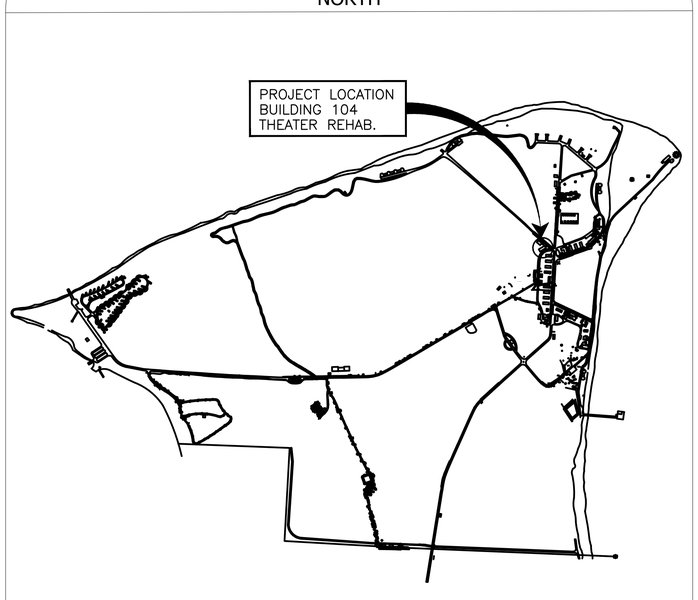
NORTH



48°05'19" N & 122°42'05" W

PROJECT LOCATION

NORTH



FORT FLAGLER STATE PARK
10541 FLAGLER RD. NORLAND, WA 98358
SEC 17, T.30N., R.1E., W.M.
JEFFERSON COUNTY TAX PARCEL #021174000

INDEX

F600-D1825-C04-2022 FORT FLAGLER THEATER REHABILITATION PROJECT

ABBREVIATIONS

@	AT
Ø	DIAMETER OR ROUND
#	POUND OR NUMBER
AB	ANCHOR BOLT
ABE	AVERAGE BUILDING ELEVATION
ABV	ABOVE
ACT	ACOUSTIC TILE
ACW	ALUMINUM-CLAD WOOD
AD	AREA DRAIN
ADJ	ADJUSTABLE, ADJACENT
AFF	ABOVE FINISH FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM/AL	ALUMINUM
AP	ACCESS PANEL
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASF	ABOVE SUBFLOOR
AVG	AVERAGE
BAL	BALANCING
BD	BOARD
BE	BATH FAN EXHAUST
BEL	BELOW
BEY	BEYOND
BLDG	BUILDING
BLK	BLOCK, BLOCKING
BM	BENCH MARK
BO	BOTTOM OF
BOT	BOTTOM
BRK MTL	BRAKE METAL
BTWN	BETWEEN
C to C	CENTER TO CENTER
CAB	CABINET
CAP	CAPACITY
CG	CORNER GUARD
CHT	BABY CHANGING TABLE
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLKG	CAULKING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
COND	CONDITION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR/CORRUGATED
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
CUST	CUSTOM
CWP	CLEAR WALL PANEL
D	DEEP (DIM)/DRYER
DE	DRYER EXHAUST
DEPT	DEPARTMENT
DET/DTL	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DICA	DRILLED-IN CONC ANCHOR
DIM	DIMENSION
DIR	DIRECTION
DIV	DIVISION
DN	DOWN
DP	DAMPROOFING
DO	DITTO
DOM	DOMESTIC
DR	DOOR
DS	DOWNSPOUT (EXTERIOR)
DW	DISHWASHER
DWG	DRAWING
(E)	EXISTING
E	EAST
EA	EACH
EL	ELEVATION
ELEV	ELEVATOR
ELEC	ELECTRICAL
EMER	EMERGENCY
EMR	ELEVATOR MACHINE ROOM
EQ	EQUAL
EQJ	EARTHQUAKE JOINT
EQPT	EQUIPMENT
EPL	EMERGENCY PATHWAY LIGHTING
EST	ESTIMATE; ESTIMATED
EW	EACH WAY
EXC	EXCAVATED
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXPAN	EXPANSION
EXT	EXTERIOR
FAB	FABRICATED
FB	FLUSH BEAM
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FF	FINISH FLOOR/ FACTORY FINISHED
FG	FINISH GRADE
FP	FACTORY PRIME PAINTED
FS	FEDERAL SPECIFICATION
FEC	FE CABINET
FIN	FINISH(ED)
FLASH	FLASHING
FLEX	FLEXIBLE
FLR	FLOOR
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FP	FIREPROOF
FPHB	FROST PROOF HOSE BIB
FRM	FRAMING
FRP	FIBERGLASS REINFORCED PANEL
FRDT	FIRE RETARDANT
FRZR	FREEZER
FS	FULL SIZE
FSD	FIRE SEPARATION DISTANCE
FT	FOOT OR FEET
FTG	FOOTING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GEN	GENERAL
GFI	GROUND FAULT INTERRUPTER
GFRC	GLASS FIBER REINFORCED CONCRETE
GL	GLASS
GND	GROUND
GOVT	GOVERNMENT
GR	GRADE
GSM	GALVANIZED SHEET METAL
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HB	HOSE BIB
HC	HANDICAP/HOLLOW CORE
HD	HEAD/HEAVY DUTY
HDWD	HARDWOOD
HDR	HEADER
HE	HOOD FAN EXHAUST
HM	HOLLOW METAL
HOL	HOLLOW
HOR/ HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HT	HEIGHT
HWH	HOT WATER HEATER
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IN	INCHES
INCL	INCLUDE (D) (ING)
INCR	INCREASE
INSUL	INSULATION
INT	INTERIOR
INTM	INTERMEDIATE
INTUM	INTUMESCENT
INV	INVERT
JST	JOIST
JT	JOINT
L	LONG/LENGTH
LAM	LAMINATE
LAV	LAVATORY
LE	LAUNDRY FAN EXHAUST
LH	LEFT HAND
LIN	LINEAR/LINEAL
LOCN	LOCATION
LP	LOW POINT
LT	LIGHT
LTG	LIGHTING
LVL	LEVEL
MATL	MATERIAL
MAX	MAXIMUM
MC	MEDICINE CABINET
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MLDG	MOLDING
MO	MASONRY OPENING
MTD	MOUNTED
MET/MTL	METAL
N	NORTH
(N)	NEW
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO or #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OH	OPPOSITE HAND/OVERHEAD
OHW	ORDINARY HIGH WATER
OPNG	OPENING
OPP	OPPOSITE
OVHD	OVERHEAD
OWSJ	OPEN-WEB STEEL JOIST
OZ	OUNCE
(P)	PROPOSED
PAR	PARALLEL
PART	PARTITION
PC	PRECAST
PERF	PERFORATED
PERP	PERPENDICULAR
PKG	PARKING
PL	PLATE/PROPERTY LINE/PLASTIC
PLAM	PLASTIC LAMINATE
PLYWD/ PLY	PLYWOOD
PNL	PANEL
PNT	PAINT(ED)
POL	POLISH/POLISHED
PPL	POLISHED PLATE
PR	PAIR
PREFAB	PREFABRICATE(D)
PRELIM	PRELIMINARY
PROJ	PROJECT/PROJECTION
PROP	PROPERTY
PSI	POUNDS PER SQUARE INCH
PT	POINT/POINT OF TANGENCY PRESSURE TREATED
PTD	FIELD PAINTED (NOT FACTORY FINISHED)
PTN	PARTITION
QTR	QUARTER
QTY	QUANTITY
R	RISER/RADIUS/RESISTANCE
RB	RUBBER BASE
RD	ROOF DRAIN
REC	RECEIVE
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCED
REQD	REQUIRED
RET	RETURN
REV	REVERSE/REVISED/REVISION
RF	ROOF
RFG	ROOFING
RH	RIGHT HAND
RIGID	RIGID INSULATION
RL	RAIN LEADER (INTERIOR)
RM	ROOM
RND	ROUND
R/O	RANGE/OVEN
RO	ROUGH OPENING
RUB	RUBBER
S	SOUTH
SALV	SALVAGE (D)
SAM	SELF-ADHESIVE MEMBRANE
SC	SOLID CORE
SCHED	SCHEDULE
SD	SMOKE DETECTOR
SECT	SECTION
SF	SQUARE FEET
SH	SHELF
SHT	SHEET
SHTG	SHEATHING
SID	SIDING
SIM	SIMILAR
SL	SLOPE
SLNT	SEALANT
SPEC	SPECIFICATIONS
SPRT	SPORT FLOORING (RUBBER)
SQ	SQUARE
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD/STUD
STIFF	STIFFENER
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUB	SUBSTITUTE
SYS	SYSTEM
T	TOP/TREAD/TOILET/TEMPERED
T & G	TONGUE&GROOVE
T-STAT	THERMOSTAT
TC	TOP OF CURB
TD	TRENCH DRAIN
TEL	TELEPHONE
TEMP	TEMPORARY/TEMPERATURE/ TEMPERED
THK	THICK(NESS)
THRU	THROUGH
TO	TOP OF
TOC	TOP OF CONCRETE TOP OF CURB
TOIL	TOILET
TOP	TOPPING/TOP OF PLATE TOP OF PARAPET
TOSF	TOP OF SUBFLOOR
TOW	TOP OF WALL
TP	TOP OF PAVEMENT
TRANSL	TRANSLUCENT
TRTD	TREATED
TWP	TRANSLUCENT WALL PANEL
TYP	TYPICAL
UL	UNDERWRITERS' LABORATORY
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VAP	VAPOR BARRIER
VAR	VARIES/VARIABLE
VB	VINYL BASE
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VFY	VERIFY
VIF	VERIFY IN FIELD
VG	VERTICAL GRAIN
VOC	VOLATILE ORGANIC COMPOUNDS
VOL	VOLUME
VS	VINYL SHEET/SHEET VINYL
VTR	VENT THROUGH ROOF
W	WEST/WIDE/WASHER
W/	WITH
W/O	WITHOUT
WAIN	WAINSCOT
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WSEC	WASH. STATE ENERGY CODE
WGL	WIRE GLASS
WH	WALL HUNG
WIND	WINDOW
WP	WATERPROOF(ING) MEMBRANE
WR	WATER REPELLENT
WRB	WEATHER RESISTANT BARRIER
WS	WEATHERSTRIP
WT	WEIGHT

GRAPHIC SYMBOLS

DETAIL INDICATOR
DETAIL NUMBER
SHEET NUMBER

ELEVATION INDICATOR
DETAIL NUMBER
SHEET NUMBER

RM ELEVATION INDICATOR
DETAIL NUMBER
SHEET NUMBER
ELEVATION

LAYOUT GRID

PARTITION LABEL
SEE PARTITION SCHEDULE FOR EXPLANATION

EXTERIOR WALL TYPE LABEL

HORIZONTAL ASSEMBLY LABEL

PARTITION TYPE INDICATOR
SEE PARTITION SCHEDULE FOR EXPLANATION

SPOT ELEVATION

BUILDING SECTION
DETAIL NUMBER
SHEET NUMBER

WALL SECTION
DETAIL NUMBER
SHEET NUMBER

FIRE EXTINGUISHER
ON WALL HOOK

FIRE EXTINGUISHER CABINET
SURFACE AND RECESSED

EXIT SIGNS (OVERHEAD)
BLACK QUADRANTS INDICATE LIGHTED SIDES
ARROWS SHOW DIRECTION ARROWS

EXIT SIGNS (WALL MTD)
BLACK QUADRANTS INDICATE LIGHTED SIDES
ARROWS SHOW DIRECTION ARROWS

WINDOW NUMBER

LOUVER NUMBER

FRAMED WALL (PLAN)
FRAMED WALL OR FLOOR (SECTION)

CMU WALL (PLAN & SECTION)

BRICK WALL (PLAN & SECTION)

CONC WALL (PLAN)
CONC WALL OR FLOOR (SECTION)

CONCRETE (DETAILS)

GWB (DETAILS)

BATT INSULATION (DETAILS)

RIGID INSULATION (DETAILS)

CENTERLINE

GRID LINE

PROPERTY LINE

OVERHEAD LINE

PROJECT DATA

PROJECT LOCATION:
10541 FLAGLER RD
NORDLAND, WA 98358

PROJECT SUMMARY
RENOVATION OF EXISTING HISTORIC THEATER BUILDING AT FORT FLAGLER INCLUDING STRUCTURAL STABILIZATION, NEW SHEATHING AND SIDING, NEW RESTROOMS, NEW LIGHTING AND A NEW MECHANICAL MEZZANINE INCLUDING A NEW HEATER

LEGAL DESCRIPTION
S17 T30 R1E TAX 1(INCLUDING BALANCE OF SEC) SUBJ/EASE

JEFFERSON COUNTY ASSESSOR'S PARCEL NUMBER
021174000

CODES
2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL MECHANICAL CODE
NATIONAL ELECTRICAL CODE
INTERNATIONAL FIRE CODE
WASHINGTON STATE VENTILATION AND INDOOR AIR QUALITY CODE

OCCUPANCY
B, A-3

CONSTRUCTION TYPE
V-B

FIRE SPRINKLER
NA, NONE EXISTING.

EASEMENTS:
NO RECORDED EASEMENTS

DIRECTORY

ARCHITECT (PRIMARY CONTACT)
BUILDINGWORK
159 WESTERN AVE WEST, SUITE 486
SEATTLE, WA 98119
RJ VAN LIERE
T: 206 775-8603
RJ@BUILDINGWORK.DESIGN

STRUCTURAL ENGINEER
SARGENT ENGINEERS
320 RONLEE LN NW
OLYMPIA, WA 98502
ERIK MARTIN
T: 360 302-7981
ERIKM@SARGENTENGINEERS.COM

ELECTRICAL ENGINEER
HUNT ENGINEERING SERVICES INC.
9560 MORAN ROAD NE
BAINBRIDGE ISLAND, WA 98110
JOHN HUNT
T: 206 842-6947
JOHNHUNT@HUNTENG.COM

MECHANICAL/PLUMBING DESIGN
HUNT ENGINEERING SERVICES INC.
9560 MORAN ROAD NE
BAINBRIDGE ISLAND, WA 98110
JOHN HUNT
T: 206 842-6947
JOHNHUNT@HUNTENG.COM

CAD NO. F600-D1825-C04-2022-02GENERAL INFO

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

GENERAL INFORMATION

SCALE

PARKS FILE#

FORT FLAGLER STATE PARK
BUILDING CODE ANALYSIS

Section	Code	Application
Site Location	10541 Flagler Rd Nordland, WA 98358	
Codes	2021 International Building Code 2021 International Fire Code 2021 International Existing Building Code 2021 International Mechanical Code 2021 Washington State Energy Code ICC/ANSI A117.1-2017	*Exempt from Energy Code per IEBC 1202.2 in order to maintain historical character of a landmark building. Insulation is being added to exterior wall cavity and at attic. WSEC Lighting Compliance and Mechanical Compliance forms have been submitted for review*
Occupancy	A-3 (No change to existing)	
Construction Type	VB	
Fire Sprinklers	None	

CHAPTER 3 USE & OCCUPANCY CLASSIFICATION

BUILDING OCCUPANCY

Programmed Use	Group	Description of Occupancy
Assembly	A-3	Community Hall, Lecture Hall

CHAPTER 5 GENERAL BUILDING HEIGHTS & AREAS

PROPOSED AREAS (GSF)		
Story	**Area**	**Area included in building area calculation**
Floor 1	3,538	3,538
TOTAL	**3,538**	**3,538**

504 BUILDING HEIGHT AND NUMBER OF STORIES

Table 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE — *Complies. Max building height is 24'-6" above grade plane. See building elevations.*

OCC GROUP	SPRINKLER	TYPE V	
		A	B
A	***NS***	50	**40**
	S	70	60

Table 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE — *Complies. Building is 1 stories above grade.*

OCC GROUP	SPRINKLER	TYPE V	
		A	B
A-3	**NS**	2	**1**
	S	3	2

505 MEZZANINES AND EQUIPMENT PLATFORMS

505.2 **Mezzanines** — *The mezzanine level is less than two-thirds of the area of the first floor and the occupant load is less than 10.*
- Considered a portion of the story below.
- Do not contribute to either the building area or number of stories as regulated by Section 503.1.
- Mezzanine area is included in determining the fire area.
- Clear height above and below the mezzanine floor construction minimum 7 feet.

505.2.1 Area limitation. The aggregate area of mezzanine within a room is maximum one-third of the floor area of the room or space in which they are located.

505.2.3 Openness. A mezzanine shall be open and unobstructed to the room in which such mezzanine is located except for walls not more than 42 inches in height, columns and posts.
- Exception 1, Mezzanines or portions thereof are not required to be open to the room in which the mezzanine are located, provided that the occupant load of the aggregate area of the enclosed space is not greater than 10

506 BUILDING AREA

Table 506.2 ALLOWABLE AREA FACTOR IN SQUARE FEET — *Complies. Building is 3,538 SF <6,000 SF.*

OCC GROUP	SPRINKLER	TYPE V	
		A	B
A-3	**NS**	11,500	**6,000**
	SM	34,500	18,000

PROPOSED BUILDING AREAS:

A-3	3,538 GSF

Table 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS) — *Building complies with type VB construction.*

BUILDING ELEMENT	TYPE V	
	A	B
Primary structural frame	1	**0**
Bearing walls, exterior	1	**0**
Bearing walls, interior	1	**0**
Nonbearing walls and partitions, exterior	See Table 705.5	
Nonbearing walls and partitions, interior	0	**0**
Floor construction and associated secondary structural members	1	**0**
Roof construction and associated secondary structural members	1	**0**

CHAPTER 7 FIRE AND SMOKE PROTECTION FEATURES

705 EXTERIOR WALLS

Table 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALL BASED ON FIRE SEPARATION DISTANCE — *Complies. Seperation is greater than 30 feet.*

FIRE SEPARATION DISTANCE = X (feet)	Type of	Occupancy A, B
X < 5	All	1 hour
5 ≤ X < 10	Others (VB)	1 hour
10 feet ≤ X < 30 feet	VB	0
X ≥ 30 feet	All	0

705.8 **Openings.** Allowable areas of unprotected and protected openings in exterior walls per Table 705.8.

Table 705.8 MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION — *No limit since buildig has separation greater than 30'*

Classification of opening	Fire separation distance							
	0' to <3'	3' to <5'	5' to <10'	10' to <15'	15' to <20'	20' to <25'	25' to <30'	30'+
Unprotected, Nonsprinklered	NP	NP	10%	15%	25%	45%	70%	**No Limit**
Unprotected, Sprinklered	NP	15%	25%	45%	75%	No Limit	No Limit	No Limit
Protected	NP	15%	25%	45%	75%	No Limit	No Limit	No Limit

Values indicated are the percentage of the area of the exterior wall, per story.

CHAPTER 8 INTERIOR FINISHES

803 WALL AND CEILING FINISHES

803.13 **Interior finish requirements based on occupancy.** Interior wall and ceiling finishes to have a flame spread index not greater than specified in Table 803.13.

Table 803.13 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY — *Classes B and C req'd.* — *Complies. See wall assemblies*

S = sprinklered
NS = nonsprinklered

Group	S	NS	S	NS	S	NS
	Interior exit stairways & ramps & exit passageways (see notes a & b)		Corridors and enclosure for exit access stairways and ramps		Rooms and enclosed spaces	
A-3	**B**	A	**B**	A	**C**	B

Footnotes: a. Class C interior finish materials shall be permitted for waintscotting or paneling of not more than 1000 SF of applied surface area in the grade lobby where applied directly to a noncombustible base or over furring strips applied to a noncombustible base and fireblocked as required by Section 803.15.1.
b. In other than Group I-3 occupancies in buildings <3 stories above grade plane, Class B interior finish for nonsprinklered buildings and Class C interior finish for sprinklered buildings shall be permitted in interior exit stairways and ramps.

806 DECORATIVE MATERIALS AND TRIM

806.8 **Interior floor-wall base** — *Base to be compliant*
- Interior floor-wall base ≤6" in height shall be tested in accordance with Section 804.2 and shall not be less than Class II
- Where Class I floor finish is required, the floor-wall base shall be Class I.

CHAPTER 9 FIRE PROTECTION SYSTEMS

Sprinkler and Fire Alarm Systems to be design/build under separate permit

903 AUTOMATIC SPRINKLER SYSTEMS

903.2.1.3 **Group A-3.** Provide an automatic sprinkler system for Group A-3 occupancies where one of the following conditions exist: — *Not required for existing building per IEBC 507.1. None of these conditions exist*
1. Fire area exceeds 12,000 SF
2. Fire area has an occupant load ≥300
3. Fire area is located on a floor other than the level of exit discharge serving such occupancies

906 PORTABLE FIRE EXTINGUISHERS

906.1 **Where required.** Portable fire extinguishers shall be installed in all of the following locations:
1. In Group A, B, E, F, H, I, M, R-1, R-2, R-4, and S occupancies.
4. On each floor of structures under construction, except Group R-3 occupancies, per IFC Section 3315.1.

Table 906.3(1) FIRE EXTINGUISHERS FOR CLASS A FIRE HAZARDS

	Light (Low)Hazard Occupancy	Ordinary (Moderate) Hazard Occupancy
Minimum-rated single extinguisher	2-A	2-A
Max floor area per unit of A	3,000 SF	1,500 SF
Max floor area for extinguisher	11,250 SF	11,250 SF
Max distance of travel to extinguisher	75'	75'

906.8 **Cabinets.** Cabinets used to house portable fire extinguishers shall not be locked.
Exception: 1. Where portable fire extinguishers subject to malicious use or damage are provided with a means of ready access.

CHAPTER 10 MEANS OF EGRESS

1003 GENERAL MEANS OF EGRESS

1004 OCCUPANT LOAD

Table 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT — *See code sheets*

Function of space	Occupant Load Factor
Accessory storage areas, mechanical equipment room	300 gross
Assembly without fixed seats	
Concentrated (chairs only - not fixed)	7 net
Stages and platforms	15 net
Locker rooms	50 gross

1004.9 **Posting of occupant load** — *Complies - see sign locations on code sheets*
- Required for every room or space that is an occupancy assembly.
- Occupant load of the room or space posted in a conspicuous place, near the main exit or exit access doorway from the room or space.
- Posted signs shall be permanent and maintained by the Owner.

1005 MEANS OF EGRESS SIZING

1005.3 **Required capacity based on occupant load** — *Complies - see code plans for egress widths*
- Other egress components: occupant load x 0.2*

1005.5 **Distribution of minimum width and required capacity.** Where more than one exit is required, the means of egress shall be configured such that the loss of any one exit shall not reduce the available capacity of width to less than 50% of the required capacity or width. — *Complies - see code plans for egress widths*

1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS

1006.2.1 **Egress based on occupant load and common path of egress travel distance**
- 2 exits from any space shall be provided where design occupant load or common path of egress travel exceeds the values in Table 1006.2.1.
- Cumulative occupant load from adjacent rooms, areas, or spaces determined per Section 1004.2.

Exceptions: 1. The number of exits from foyers, lobbies, vestibules, or similar spaces need not be based on cumulative occupant loads for areas discharging through such spaces, but the capacity of the exits from such spaces shall be based on applicable cumulative occupant loads.
3. Unoccupied mechanical rooms and penthouses are not required to comply with the common path of egress travel distance measurement.

1007 EXIT AND EXIT ACCESS DOORWAY CONFIGURATION

1007.1.1 **Two exits or exit access doorways.** 2 exits shall be separated by 1/2 length of maximum overall diagonal dimension of the building or area served. — *Complies - see code sheets*

1009 ACCESSIBLE MEANS OF EGRESS

1009.1 **Accessible means of egress required** — *Exception applies. Only one exit is accessible*
- Accessible spaces to have min 1 accessible means of egress.
- Where >1 means of egress is required, min 2 accessible means of egress required.

Exceptions: 1. Accessible means of egress are not required to be provided in existing buildings.

1009.2 **Continuity and components** — *See stair plan sheets for continuity and components*
- Accessible routes to comply with Section 1104
- Interior exit stairways to comply with Sections 1009.3 and 1023
- Exit access stairways complying with Sections 1009.3 and 1019.3 or 1019.4
- Exterior exit stairways to comply with Sections 1009.3 and 1027
- Elevators to comply with Section 1009.4
- Ramps to comply with Section 1012
- Areas of refuge to comply with Section 1009.6

1009.3 **Stairways.** To be considered part of an accessible means of egress, min width between handrails must be 48" and incorporate or be accessed from an area of refuge. — *Stairs are existing and provided access to areas not intended for general public use. IEBC 503.1 Exception 1 applies.*

1010 DOORS, GATES, AND TURNSTILES

1010.1 **General.** Doors, gates, and turnstiles provided for egress purposes in numbers greater than required by this code shall comply with this section.

1010.1.1 **Size of doors.** Minimum required clear width of 32" and minimum height of 80". — *Complies - see door schedule*

1010.1.2.1 **Door swing.** Doors to swing in direction of egress travel when serving a room or area with >50 occupants. — *Complies - see code sheets*

1010.1.5 **Floor elevation.** Level landings required at each side of a door, except at the exterior where a slope of 1/4:12 is permitted.

1010.1.5.1 Landings at doors — *Complies - see stair plans*
- Landings to have width equal to width of the stairway or door, whichever is greater.
- When doors open over landings, door in any position shall not reduce a required dimension by >7".
- Where a landing serves an occupant load ≤50 occupants, doors in any position shall not reduce the landing to <1/2 of its required width.
- Landings shall have a length measured in the direction of travel of min 44".

1010.1.7 **Door arrangement**
- Minimum distance between doors in series shall be 48" plus the width of a door swinging into the space.
- Doors in a series shall swing either in the same direction or away from the space between doors.

1011 STAIRWAYS

1011.2 **Width and capacity.** Minimum width per Section 1005.1, but not less than 44". — *Complies - see stair plans*
Exceptions: 1. Stairways serving occupant load <50: minimum width 36".

1011.3 **Headroom.** Minimum headroom clearance of 80" (6'-8"). — *Complies*

1011.5.2 **Riser height and tread depth** — *New Stairs at exterior comply. Existing interior stair is for mechanical access*
- Stair riser height to be 7" maximum and 4" minimum
- Rectangular treads to be a minimum of 11" deep

1011.5.4 **Dimensional uniformity.** Difference in largest and smallest riser height or tread depth in a flight of stairs not to exceed 3/8". — *Complies - see stair plans*

1011.6 **Stairway landings** — *Complies - see stair plans*
- Landing required at top and bottom of each stairway.
- Width of landing not less than width of stairway served.
- Depth of landing equal to lesser of width of stairway or 48".
- Doors opening into landing shall not reduce the landing to <1/2 required width.
- When fully open, door shall not project >7" into required width.

1011.7.1 **Stairway walking surface.** Treads and landings not to exceed a slope of 1:48 (2% slope).

1011.8 **Vertical rise.** Maximum vertical rise for a single flight of stairs is 12'. — *Complies - see stair plans*

1011.11 **Handrails.** Stairways to have handrails on each side and comply with Section 1014. — *Complies - see stair plans*

1011.12 **Stairway to roof.** Buildings ≥4 stories above grade plane required to have at least one stairway extend to the roof surface. — *N/A, building is 1 story*

1011.13 **Guards** — *Complies - see stair plans*
- Provided along stairways and landings per Section 1015.

1012 RAMPS

1012.2 **Slope.** Ramps used as a part of a means of egress to have a maximum slope of 1:12 (8.3% slope). — *Complies - see ramp plans*

1012.3 **Cross slope.** Maximum 1:48 (2%).

1012.4 **Vertical rise.** Maximum rise per ramp run is 30".

1012.5 **Minimum dimensions**
1012.5.1 Width. Minimum width not less than required for corridors by Section 1020.3 with a clear width between handrails of at least 36". — *Complies - see ramp plans*
1012.5.2 Headroom. Minimum headroom for all parts of the ramp is 80" (6'-8").

1012.6 **Landings.** Required at the top and bottom of each ramp, points of turning, entrance, exits, and at doors. — *Complies - see ramp plans*
1012.6.1 Slope. Maximum 1:48 (2% slope).
1012.6.2 Width. Not less than the width of the widest ramp run adjoining the landing.
1012.6.3 Landing length. Minimum landing length is 60".
1012.6.4 Change in direction. Minimum landing size where changes in direction of travel occur is 60"x60".

1012.8 **Handrails.** Handrails per Section 1015 required at ramps with a rise >6". — *Complies - see ramp plans*

1012.10 **Edge protection.** Edge protection complying with Section 1012.10.1 or 1012.10.2 shall be provided on each side of ramp runs and at each side of ramp landings. — *Complies - see ramp plans*

1013 EXIT SIGNS

1013.1 **Where required** — *Complies - see exitting plans on code sheets*
- Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel.
- Path of travel to exits and within exits shall be marked by exit signs to clearly indicate the direction of egress travel where the exit or path of egress travel is not immediately visible to the occupants.
- Intervening means of egress doors within exits shall be marked by exit signs.
- Exit sign placement shall be such that any point in an exit access corridor or exit passageway is within the lesser of 100' or the listed viewing distance of the sign from the nearest visible exit sign.

Exceptions: 1. Exit signs not required in rooms or areas that require only 1 exit or exit access.
2. Main exterior exit doors that are obviously and clearly identifiable as exits need not have exit signs when approved by building official.

1014 HANDRAILS

1014.2 **Height.** 34" min and 38" max above stair tread nosings or finish surface of ramp.
1014.3 **Handrail graspability**
1014.3.1 Type I. For handrails with a circular cross section, an outside diameter of 1-1/4" min to 2" max; if not circular, required to have a perimeter dimension of 4" min and 6-1/4" max with a maximum cross sectional dimension of 2-1/4". — *See stair and ramp sheets for rail details*

1014.6 **Handrail extensions**
- Handrails to return to a wall, guard, or walking surface, or be continuous to an adjacent stair flight or ramp run.
- Where not continuous between flights, handrails to extend min 12" horizontally beyond top riser and continue to slope for the depth of one tread beyond the bottom riser.

1014.7 **Clearance.** Min 1-1/2" clear space between a handrail and a wall or other surface.

1014.9 **Intermediate handrails**
- All portions of a stairway min width or required capacity to be within 30" of a handrail.
- On monumental stairs, handrails located along the most direct path of egress travel.

1015 GUARDS

1015.2 **Where required.** Required along open sided walking surfaces that are located more than 30" above floor or grade at any point within 36" horizontally. — *See sheet A502 for typical guard details*

1015.3 **Height.** Min 42" measured vertically above the adjacent walking surface, line connecting leading edge of stair treads, and the ramp surface.

1015.4 **Opening limitations.** Required guards shall not have openings that allow the passage of a 4" diameter sphere.
Exceptions: 1. From a height of 36" to 42", guards shall not have openings that allow the passage of a 4-3/8" diameter sphere.
2. The triangular openings at the open sides of a stair, formed by the riser, tread, and bottom rail, shall not allow passage of a 6" diameter sphere.

1016 EXIT ACCESS

1017 EXIT ACCESS TRAVEL DISTANCE

1017.2 Exit access travel distance shall not exceed values of Table 1017.2.

Table 1017.2 EXIT ACCESS TRAVEL DISTANCE — *Complies - see exit plans*

Occupancy	without sprinklers (feet)
A	200

1017.3 **Measurement**
- Exit access travel distance shall be measured from the most remote point of each room, area, or space along the natural and unobstructed path of horizontal and vertical egress travel to the entrance to an exit.
- Where >1 exit is required, exit access travel distance shall be measured to the nearest exit.

1028 EXIT DISCHARGE

1028.2 **Exit discharge**
Exits to discharge directly to building exterior.

1028.5 **Access to a public way**
The exit discharge shall provide direct and unobstructed access to a public way.

CHAPTER 11 ACCESSIBILITY

1101 GENERAL

1101.2 **Design**
Accessibility required per this code and ICC A171.1 except portions amended in this section.

1103 SCOPING REQUIREMENTS

1103.2 **General exceptions**
1103.2.2 Employee work areas. Spaces and elements within employee work areas shall only be required to comply with Sections 907.5.2.3.1, 1009, and 1104.3.1 and shall be designed and constructed so that individuals with disabilities can approach, enter, and exit the work area.
1103.2.9 Equipment spaces. Spaces used only by service personnel to monitor, maintain, or repair equipment are not required to be accessible.

1105 ACCESSIBLE ENTRANCES

1105.1 **Public Entrances**
In addition to the requirements of this section, at least 60% of all public entrances to be accessible.

CHAPTER 12 INTERIOR ENVIRONMENT

1208.2 - 7'-6" min ceiling height habitable spaces, corridors, etc
- 7'-0" min ceiling height bathrooms, kitchen, storage
- Ceiling height in egress path per Section 1003.2 (7'-6")

1208.2.1 Furred ceiling minimum height 7'-0" allowed in 1/3 of area.

CHAPTER 29 PLUMBING

2902 MINIMUM PLUMBING FACILITIES

A-3 - ASSEMBLY
FIXTURES: Male 1 per 125, Female 1 per 65
LAVS: 1 per 200 — *2 toilets and 2 lavs added in this project. Additional toilet facilities located within 500 ft.*

Floor	Occupants per 1004.1.2	humans (each male & female)	toilets (each male & female)	lavs (each male & female)
1	348	174	**5**	**2**
		TOTAL ROUNDED	**5**	**2**

2902.1.1 **Fixture calculations**
To determine the occupant load of each sex, the total occupant load shall be divided in half.
Exceptions: 1. Where multiple-user facilities are designed to serve all genders, the minimum fixture count shall be calculated by 100 percent, based on total occupant load. Each fixture type shall be in accordance with ICC A117.1 and each urinal provided shall be in a stall.
2. Distribution of the sexes is not required where single-user water closets and bathing room fixtures are provided in accordance with Section 2902.1.2.

2902.3.3 **Location of toilet facilities in occupancies other than malls**
In occupancies other than covered and open mall buildings, the required public and employee facilities shall be located not more than one story above or below the space required to be provided with toilet facilities, and the path of travel to such facilities shall not exceed a distance of 500 feet.

CAD NO.

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

REVISIONS

NO.	DATE

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

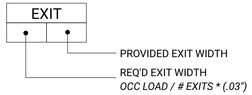
BUILDING CODE SUMMARY

SCALE
3/16" = 1'-0"

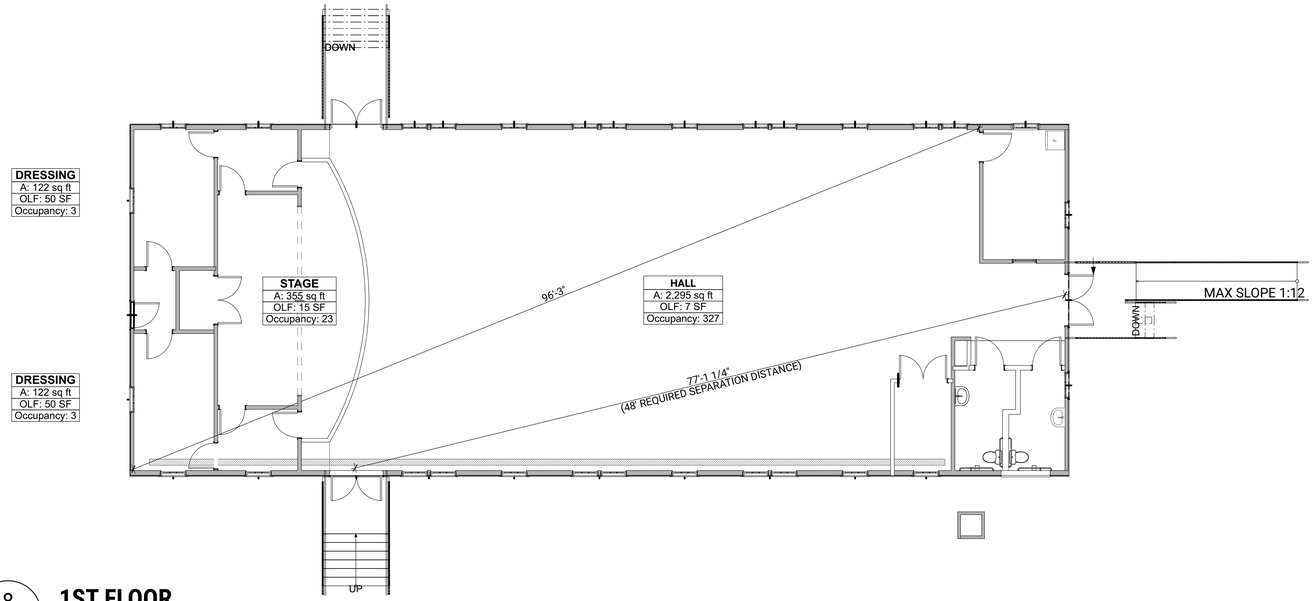
PARKS FILE#

GRAPHIC LEGEND

TYPICAL ASSEMBLY NOTATION:



OCCUPANCY
AREA
OCCUPANT LOAD FACTOR
OCCUPANT LOAD



8 G220 **1ST FLOOR**

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

GENERAL NOTES:

1. THESE DRAWINGS INDICATE LOCATIONS AND MOUNTING HEIGHTS FOR FIXTURES AND DEVICES ON THIS PROJECT. DIMENSIONS ARE SPECIFIED BY THE REFERENCED CODES AND STANDARDS (FHA, ADA, ANSI) USED, OR ARE WITHIN THE ACCEPTABLE REACH-RANGES SPECIFIED BY THE CODES FOR THE INDICATED USE. OBTAIN ARCHITECT'S PRIOR WRITTEN APPROVAL FOR ANY DEPARTURES FROM THE DIMENSIONS SHOWN.

TOILET ROOM NOTES:

1. SEE DIAGRAMS AT RIGHT FOR TOILET ACCESSORY MOUNTING AND ABBREVIATIONS.

2. PROVIDE CONTINUOUS BLOCKING IN WALLS AT FIXTURES, GRAB BARS, CABINETRY AND SPECIALTIES, WHERE REQUIRED

3. PROVIDE UNISTRUT OR STL SUPPORT FOR CEILING BRACED PARTITIONS (TYP.)

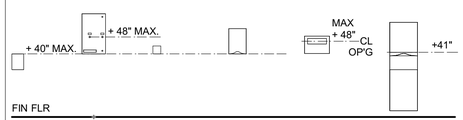
4. AT ALL TOILET ROOM SINKS, PROVIDE SOAP DISPENSER, PAPER TOWEL DISPENSER, MIRROR AND VANITY LIGHT

5. AT ALL WCS PROVIDE TOILET SEAT COVER DISPENSER AND TOILET PAPER HOLDER

TOILET ROOMS

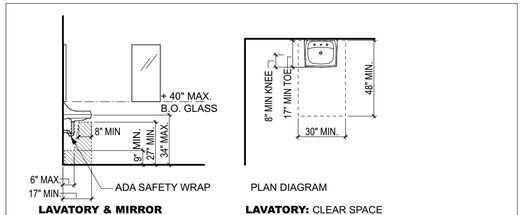
PLUMBING FIXTURES & ACCESSORIES

REFERENCE CODE: ANSI A117.1



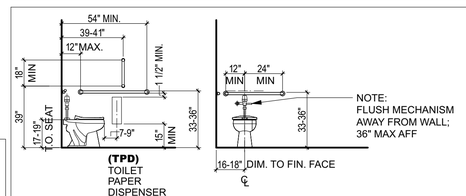
(SNDI) SANITARY NAPKIN DISPOSAL
(SND) SANITARY NAPKIN DISPENSER
(SD) SOAP DISPENSER
(PTD) PAPER TOWEL DISPENSER
(SCD) SEAT COVER DISPENSER
(PTD/TR) PAPER TOWEL DISPENSER/ TRASH RECEPTACLE

HEIGHTS WITHIN REACH RANGES OF ANSI A117.1, SECTIONS 308.2 AND 308.3

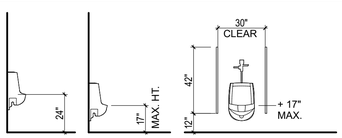


LAVATORY & MIRROR **LAVATORY:** CLEAR SPACE

LAVATORY
(ANSI A117.1, SECTION 606)



W.C. MOUNTING HEIGHTS (GRAB BAR @ ACCESSIBLE STALLS, DISPENSERS)
(ANSI A117.1, SECTION 604)

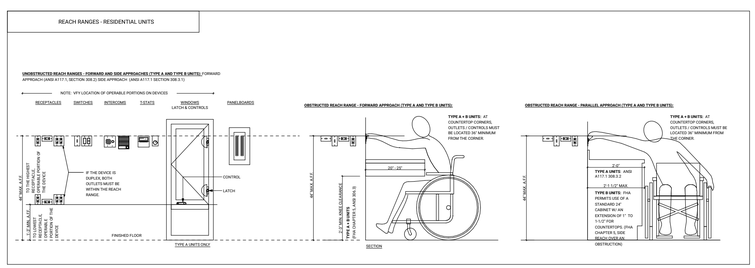


URINAL: STANDARD **URINAL:** ACCESSIBLE ACCESSIBLE URINAL & URINAL WALL SCREEN w/ CONTINUOUS WALL FLANGE

URINALS
(ANSI A117.1, SECTION 605)

10 G220 **ADA MOUNTING HEIGHTS AND CLEARANCES**

SCALE: 3/8" = 1'-0"



4 G220 **ADA REACH HEIGHTS**

SCALE: 3/8" = 1'-0"

CAD NO.			
			DATE
			APP.
			INT.
			REVISIONS
			NO.

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

LIFE SAFETY PLANS & ADA REQUIRMENTS

SCALE

3/16" = 1'-0"

PARKS FILE#

N

EXISTING WATER MAIN

SEWER LINE

EXISTING BURIED POWER

2ND FLOOR

MEZZANINE

MEZZANINE

1ST FLOOR

EXISTING VAULT TRANSF.

21.88'

EXISTING WATER VALVE

12.02'

25 KVA VAULT MOUNT

3,557 SF EXISTING AREA

BUILDING 104

99'

36'

-3.60%

-3.14%

-3.06%

-3.38%

-3.33%

-0.56%

-3.38%

100

105

105

100

6" C.I.

P

S

SP

dS

SHEET 5 OF 26

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569
REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

ARCHITECTURAL SITE PLAN

SCALE
1" = 10'-0"

PARKS FILE#

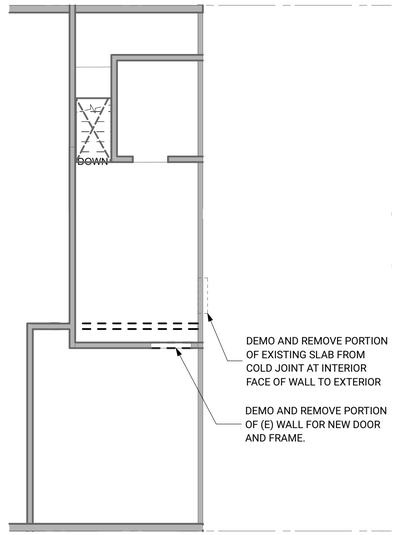
DEMO GRAPHIC LEGEND

TYPICAL ASSEMBLY NOTATION:

- EXISTING TO REMAIN
- DEMO
- FLOOR AREA TO BE REMOVED
- EXISTING FLOOR OPENING

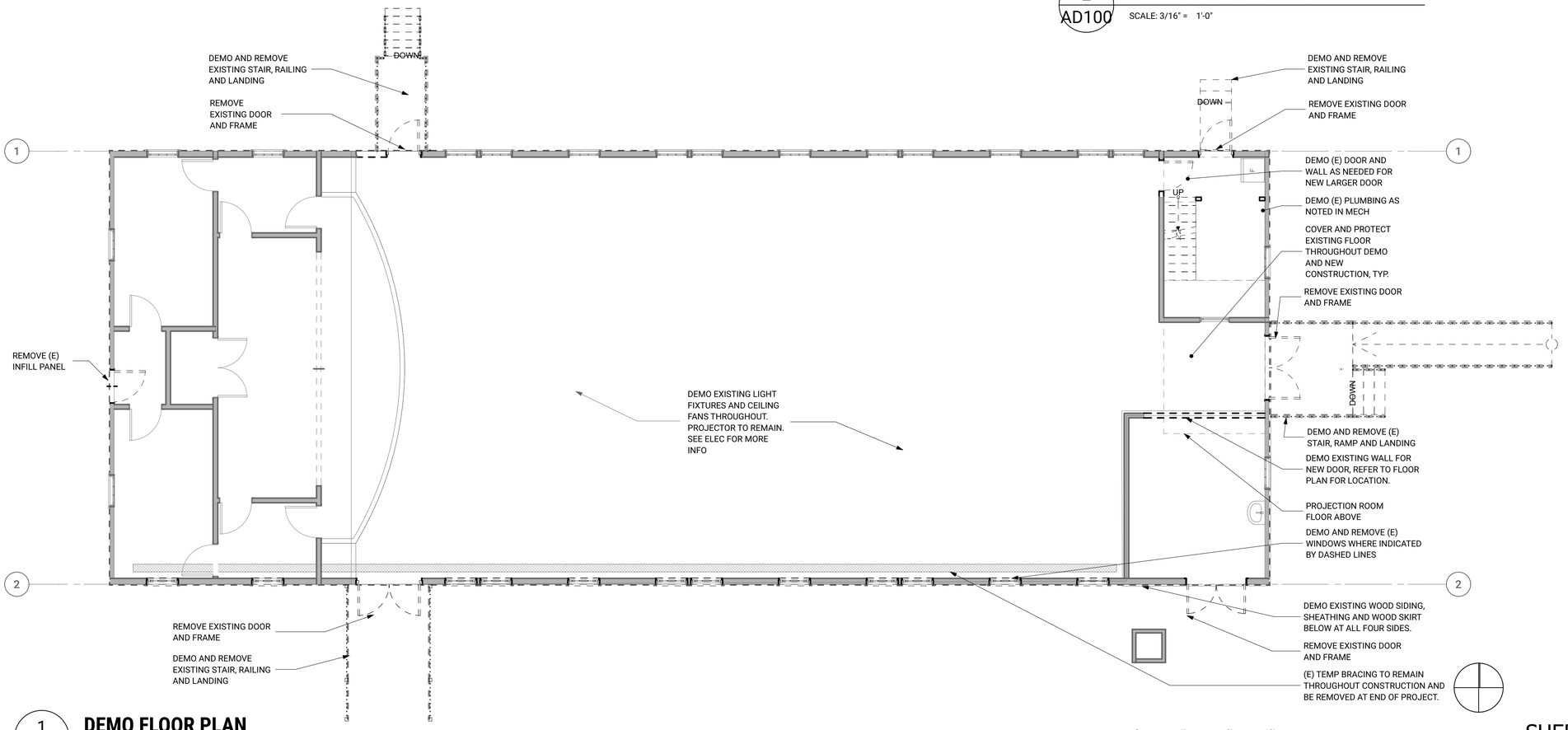
DEMO PLAN NOTES

1. SCHEDULE WALK PRIOR TO DEMO W/OWNER AND ARCHITECT TO IDENTIFY ANY ITEMS DESIRED FOR SALVAGE.
2. SEE SHEET G001 FOR GENERAL NOTES



2 AD100 **MEZZANINE DEMO PLAN**

SCALE: 3/16" = 1'-0"



1 AD100 **DEMO FLOOR PLAN**

SCALE: 3/16" = 1'-0"

SHEET 6 OF 26

CAD NO. F600-D1825-C04-2022-03ARCH DEMO PLANS

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

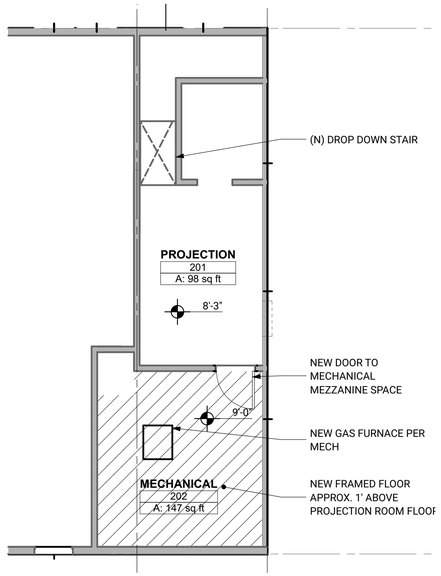
FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

ARCHITECTURAL DEMO PLANS

SCALE
3/16" = 1'-0"

PARKS FILE#



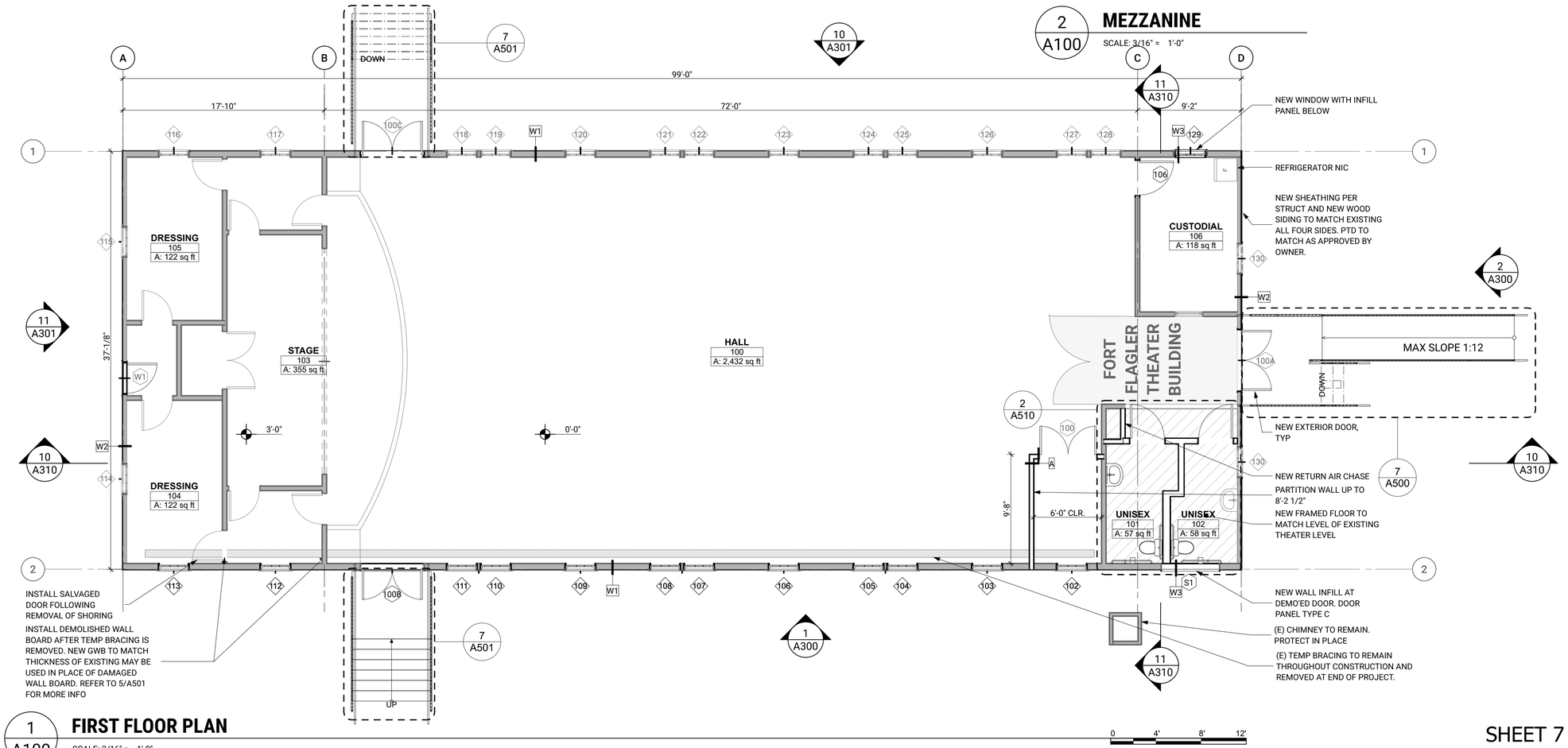
FLOOR PLAN GRAPHIC LEGEND

TYPICAL ASSEMBLY NOTATION:

- EXISTING TO REMAIN
- NEW CONSTRUCTION
- NEW FRAMED FLOOR

PLAN NOTES

1. SEE SHEET G001 FOR GENERAL NOTES
2. DIMS ARE TO FACE OF CONCRETE (FOC) OR FACE OF STUD (FOS) UNLESS NOTED OTHERWISE
3. ALL FLOOR LEVELS DENOTE TOP OF FLOOR FINISH, U.N.O.
4. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. COORDINATE ANY DIMENSION CHANGES WITH ARCHITECT.



1 A100 **FIRST FLOOR PLAN**

SCALE: 3/16" = 1'-0"

2 A100 **MEZZANINE**

SCALE: 3/16" = 1'-0"

SHEET 7 OF 26

CAD NO. F600-D1825-C04-2022-04FIRST FLOOR PLAN

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

FLOOR PLANS

SCALE
3/16" = 1'-0"

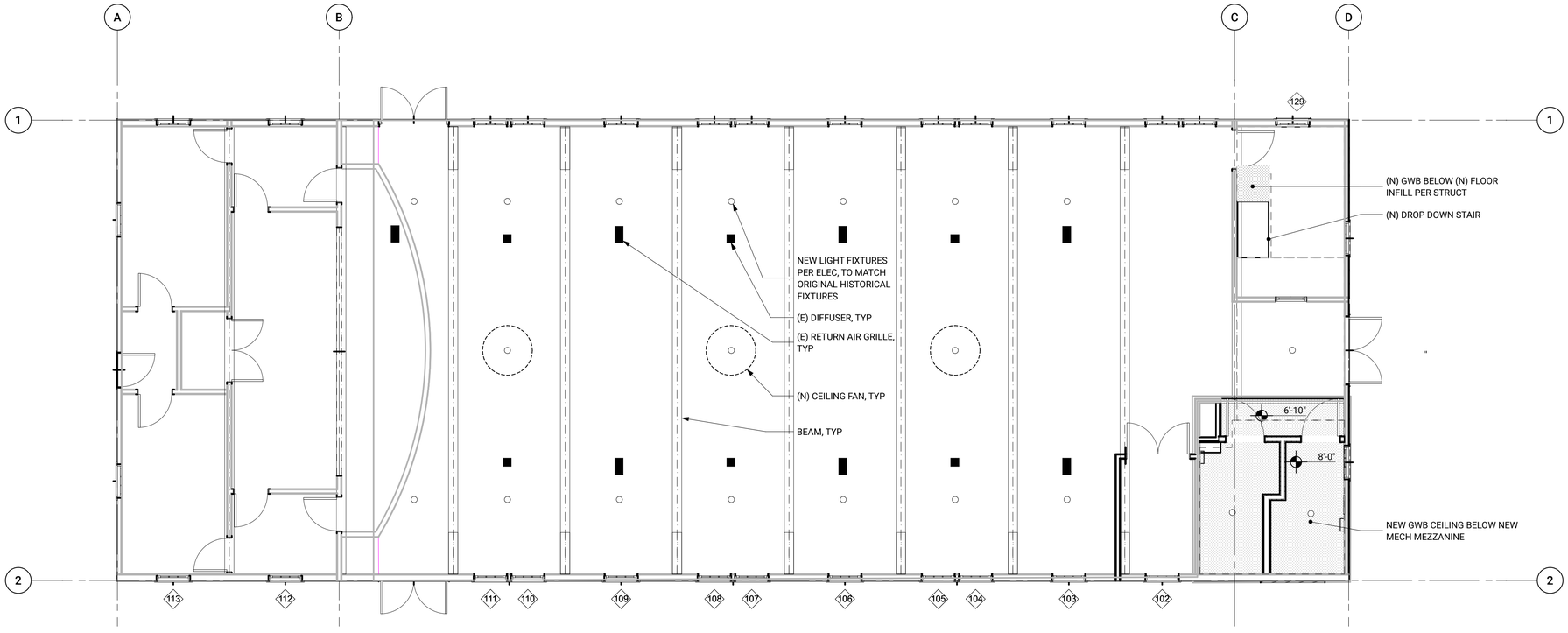
PARKS FILE#

REFLECTED CEILING PLAN GRAPHIC LEGEND

GWB CEILING

REFLECTED CEILING PLAN NOTES

1. SEE SHEET G001 FOR GENERAL NOTES
2. DIMS ARE TO FACE OF CONCRETE (FOC) OR FACE OF STUD (FOS) UNLESS NOTED OTHERWISE
3. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. COORDINATE ANY DIMENSION CHANGES WITH ARCHITECT.



1 / A200 **REFLECTED CEILING PLAN**

SCALE: 3/16" = 1'-0"

0 4' 8' 12'

SHEET 8 OF 26

CAD NO. F600-D1825-C04-2022-05FIRST FLOOR RCP

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

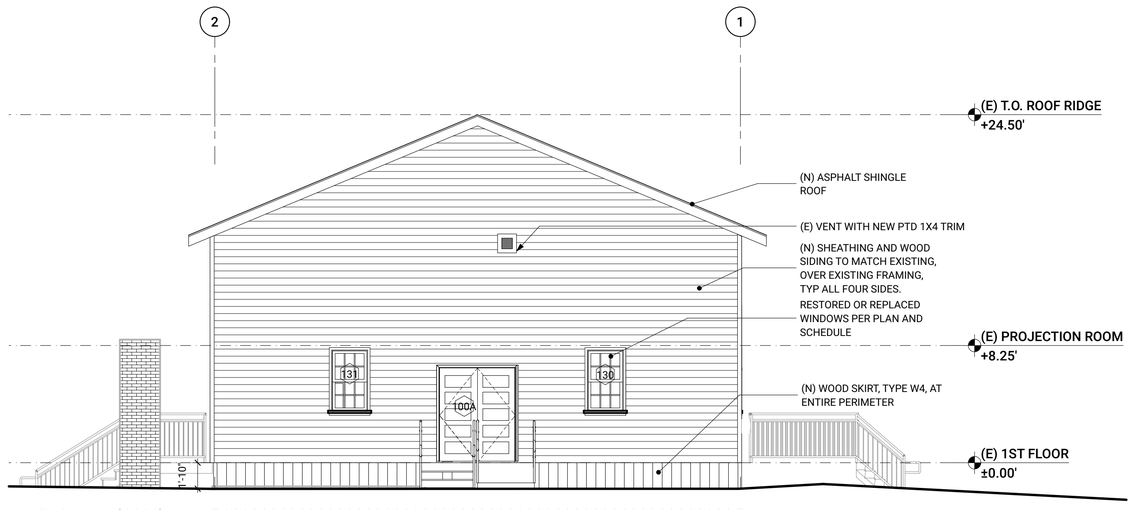
FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

FIRST FLOOR REFLECTED CEILING PLAN

SCALE
3/16" = 1'-0"

PARKS FILE#

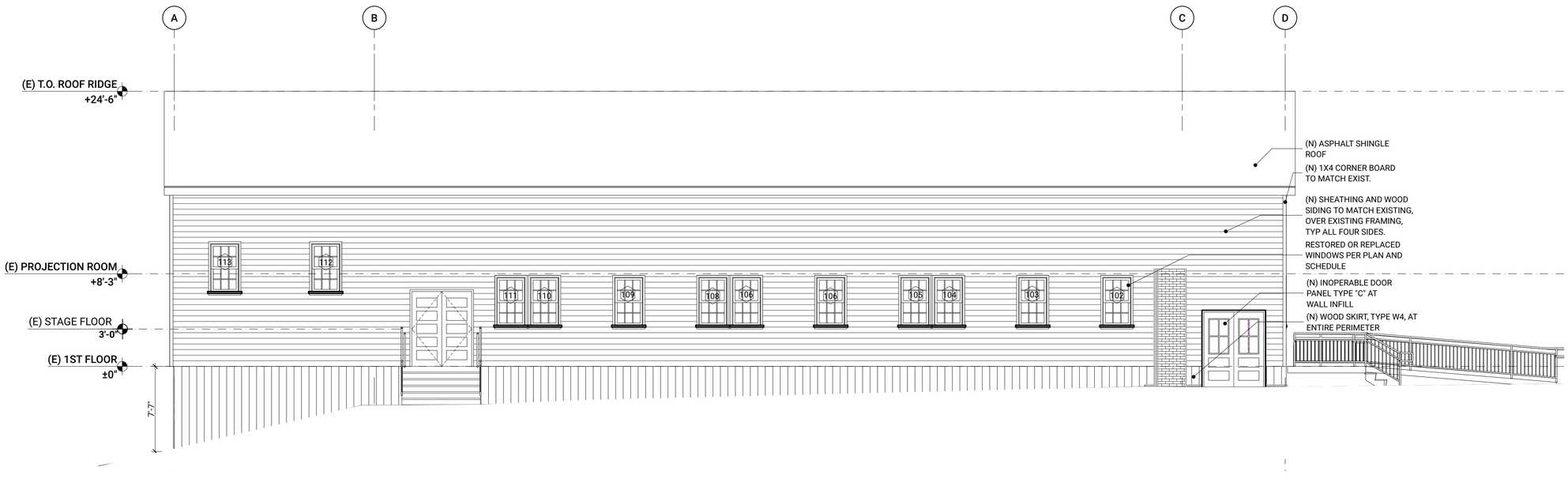


2
A300

EAST ELEVATION

SCALE: 3/16" = 1'-0"

0 4' 8' 12'



1
A300

SOUTH ELEVATION

SCALE: 3/16" = 1'-0"

0 4' 8' 12'

SHEET 9 OF 26

ELEVATIONS GRAPHIC LEGEND

- EXISTING TO REMAIN
- NEW CONSTRUCTION

CAD NO. F600-D1825-C04-2022-06 BLDG ELEVATIONS

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

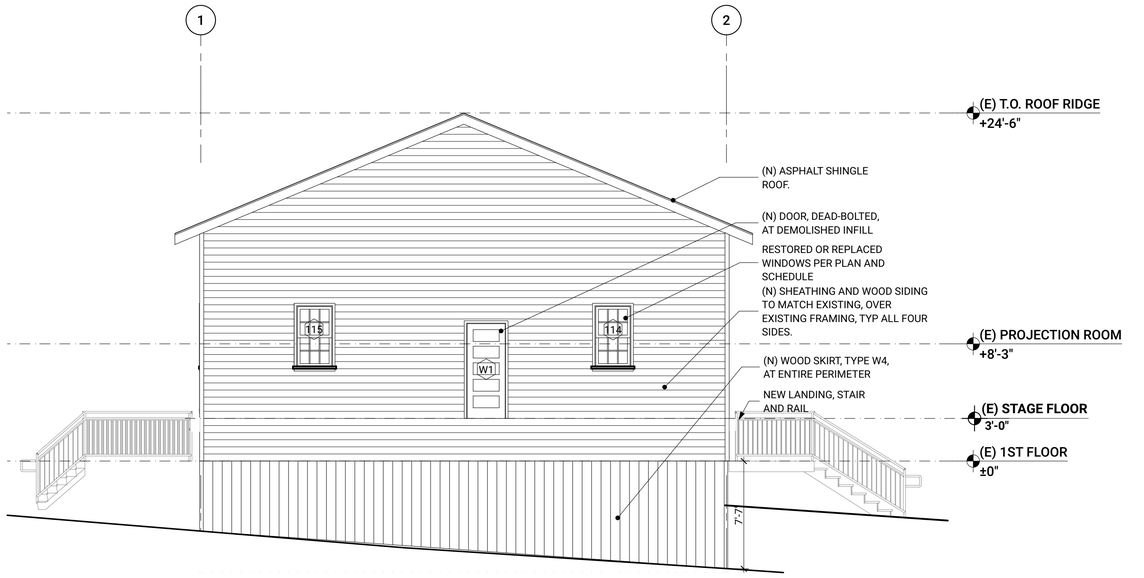
FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

BUILDING ELEVATIONS - EAST AND SOUTH

SCALE
3/16" = 1'-0"

PARKS FILE#



11
A301

WEST ELEVATION

SCALE: 3/16" = 1'-0"

0 4' 8' 12'

10
A301

NORTH ELEVATION

SCALE: 3/16" = 1'-0"

0 4' 8' 12'

SHEET 10 OF 26

ELEVATIONS GRAPHIC LEGEND

- EXISTING TO REMAIN
- NEW CONSTRUCTION

CAD NO. F600-D1825-C04-2022-07 BLDG ELEVATIONS

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569
REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

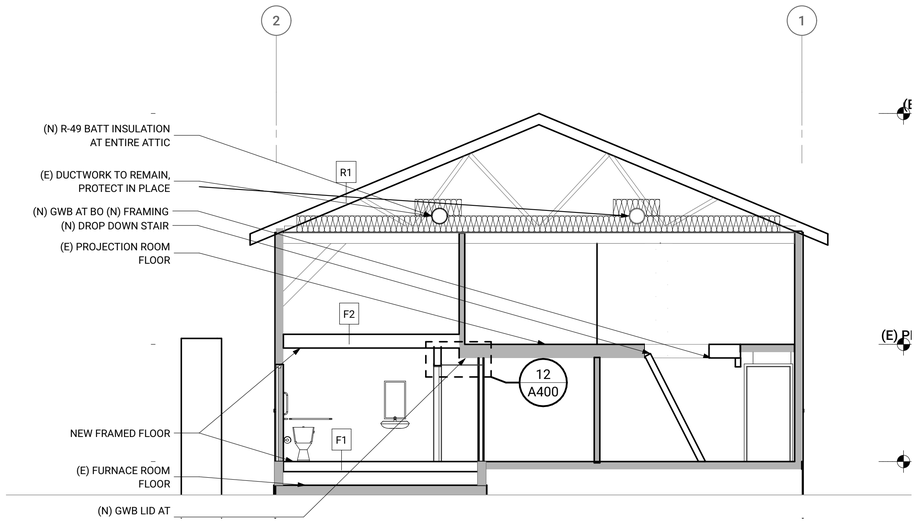
FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

BUILDING ELEVATIONS - NORTH AND WEST

SCALE
3/16" = 1'-0"

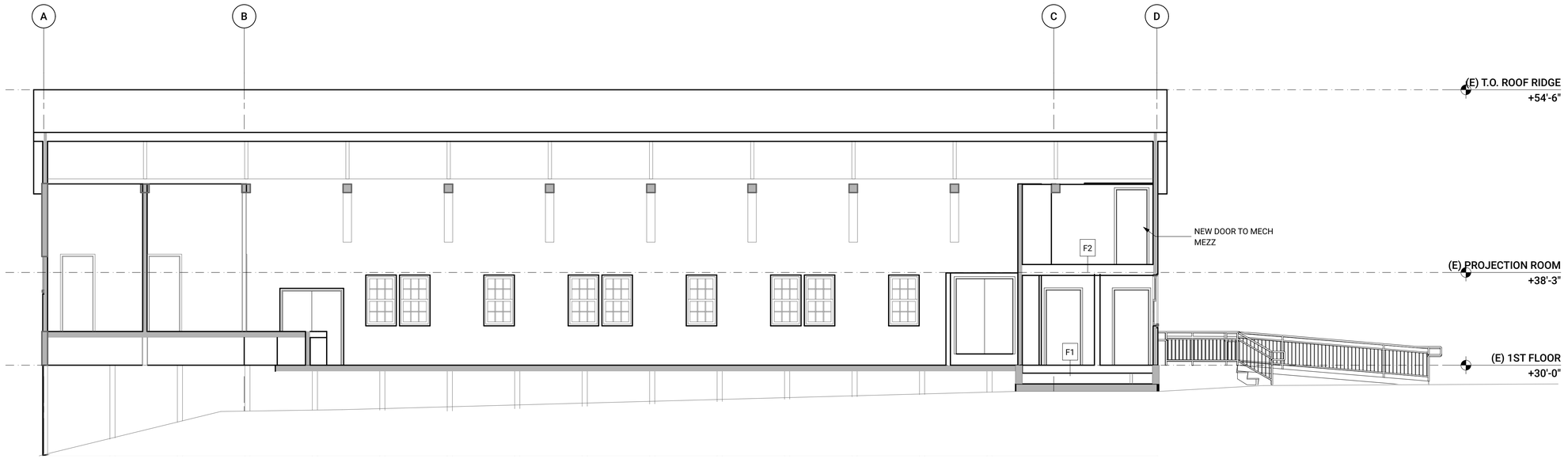
PARKS FILE#



11 A310

NORTH/SOUTH SECTION

SCALE: 3/16" = 1'-0"



10 A310

EAST/WEST SECTION

SCALE: 3/16" = 1'-0"

SHEET 11 OF 26

SECTIONS GRAPHIC LEGEND

- EXISTING TO REMAIN
- NEW CONSTRUCTION

CAD NO. F600-D1825-C04-2022-08BLDG SECTIONS

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

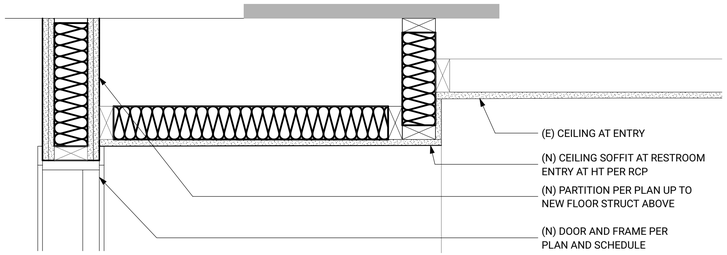
FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

BUILDING SECTIONS

SCALE
3/16" = 1'-0"

PARKS FILE#

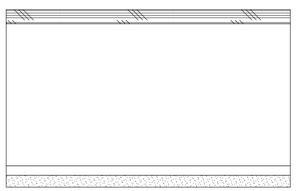


12 A400 SOFFIT DETAIL

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

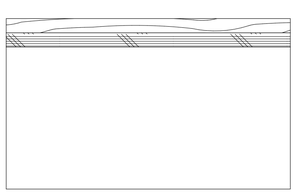
ROOF ASSEMBLY	
	(N) ASPHALT SHINGLES
	(N) UNDERLAYMENT
	(E) SHEATHING

R1 NEW SHINGLES AT EXISTING ROOF



FLOOR ASSEMBLY	
3/4"	(N) 3/4 SHEATHING PER STRUCT
7 1/2"	(N) 2x8 JOISTS PER STRUCTURAL
1/2"	(N) FURRING
5/8"	GWB

F2 NEW WOOD FLOOR AT MECH MEZZ

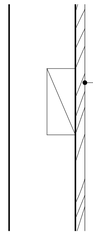


FLOOR ASSEMBLY	
3/4"	(N) WOOD FLOOR
3/4"	(N) 3/4 SHEATHING PER STRUCT
7 1/2"	(N) 2x8 JOISTS PER STRUCTURAL

F1 NEW WOOD FLOOR AT RESTROOMS

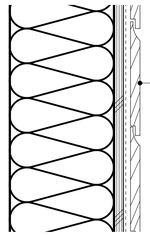
10 A400 FLOOR & ROOF ASSEMBLIES

SCALE: 3" = 1'-0"



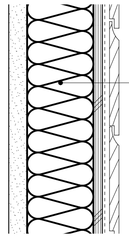
WALL ASSEMBLY	
1"	(N) VERTICAL 1x7 SHIPLAP SIDING
-	(N) HORIZ 2X4 BACKING AT 16" 0.C.
-	(E) POSTS

W4 (N) EXTERIOR WOOD SKIRT



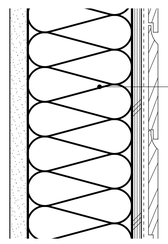
WALL ASSEMBLY	
1"	(N) WD SIDING TO MATCH EXISTING DEMOLISHED PROFILE, SPECIES, AND SIZE.
-	(N) WRB
1/2"	(N) PLYWD SHEATHING PER STRUCT. WD STUD PER STRUCT.
5 1/2"	(E) WD FRAMING TO REMAIN (N) R-19 BATT INSULATION
1/2"	(N) GWB INSTALLED FLUSH WITH ADJACENT WALLBOARD, PTD TO MATCH

W3 (N) EXTERIOR INFILL WALL



WALL ASSEMBLY	
1"	(N) WD SIDING TO MATCH EXISTING DEMOLISHED PROFILE, SPECIES, AND SIZE.
-	(N) WRB
1/2"	(N) PLYWD SHEATHING PER STRUCT. WD STUD PER STRUCT.
3 1/2"	(E) WD FRAMING TO REMAIN (N) R-13 BATT INSULATION
1/2"	(E) WALLBOARD TO REMAIN. DAMAGED AND COMPROMISED AREAS TO BE REPLACED WHERE ENCOUNTERED.

W2 (N) EXTERIOR WALL

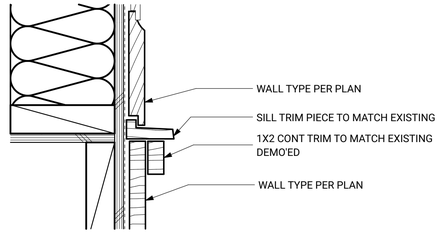


WALL ASSEMBLY	
1"	(N) WD SIDING TO MATCH EXISTING DEMOLISHED PROFILE, SPECIES, AND SIZE.
-	(N) WRB
1/2"	(N) PLYWD SHEATHING PER STRUCT. WD STUD PER STRUCT.
5 1/2"	(E) WD FRAMING TO REMAIN (N) R-19 BATT INSULATION
1/2"	(E) WALLBOARD TO REMAIN. DAMAGED AND COMPROMISED AREAS TO BE REPLACED WHERE ENCOUNTERED.

W1 (E) 2X6 EXTERIOR WALL

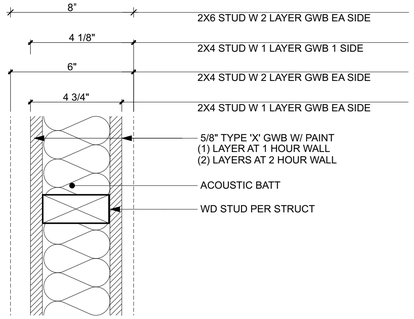
7 A400 EXTERIOR WALL ASSEMBLIES

SCALE: 3" = 1'-0"



6 A400 SIDING TRANSITION TRIM DETAIL

SCALE: 3" = 1'-0"



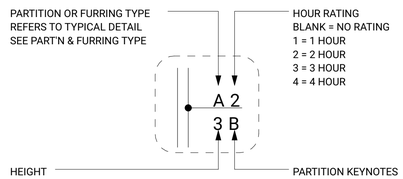
D TYP. INTERIOR PARTITION - 2X6 STUDS W 2 LAYERS GWB EA SIDE

C TYP. INTERIOR PARTITION - 2X4 STUDS W 1 LAYERS GWB 1 SIDE

B TYP. INTERIOR PARTITION - 2X4 STUDS W 2 LAYERS GWB EA SIDE

A TYP. INTERIOR PARTITION - 2X4 STUDS W 1 LAYER GWB EA SIDE

ANNOTATIONS



PARTITIONS ARE TO STRUCTURE ABOVE U.N.O.
PARTITIONS ARE NO FIRE RATING U.N.O.

GENERAL NOTES

1 GYP BD IS 5/8" TYPE X U.N.O.

2 CEMENTITIOUS BACKER IS 5/8" UL-LABELED

3 STUD SIZES ARE PER PARTITION TYPES. METAL THICKNESS PER STRUCT.

4 OPENINGS AND PERIMETERS AT RATED PARTITIONS WILL BE SEALED WITH APPROVED FIRESTOP ASSEMBLES FOR SAME HOUR RATING AS THE PARTITION.

5. WHERE ENDS OF PARTITION ABUT OTHER CONSTRUCTION PROVIDE RELIEF JOINT

4 A400 INTERIOR WALL ASSEMBLIES

SCALE: 3" = 1'-0"

CAD NO. F600-D1825-C04-2022-09 ASSEMBLIES

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

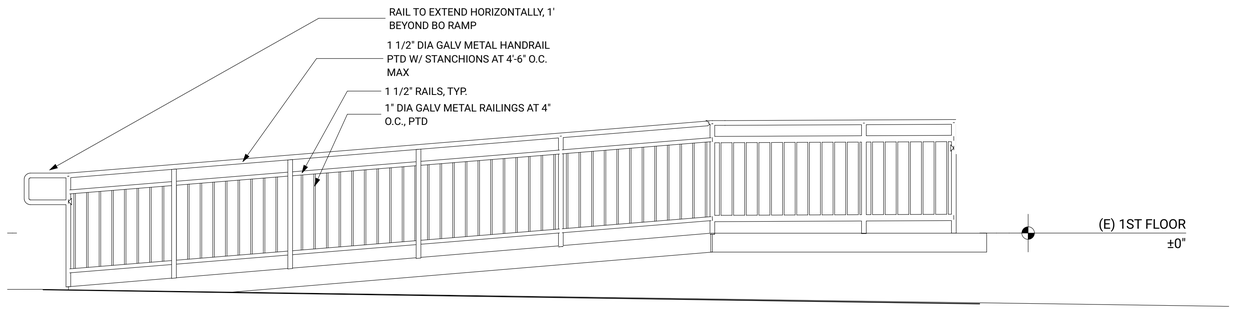
FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

FLOOR, ROOF AND WALL ASSEMBLIES

SCALE

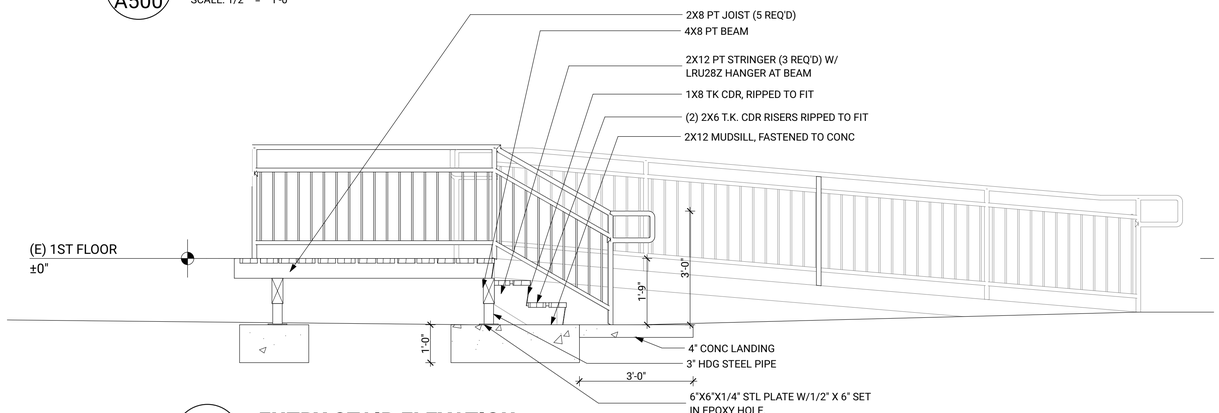
PARKS FILE#



9 / A500

ENTRY RAMP ELEVATION

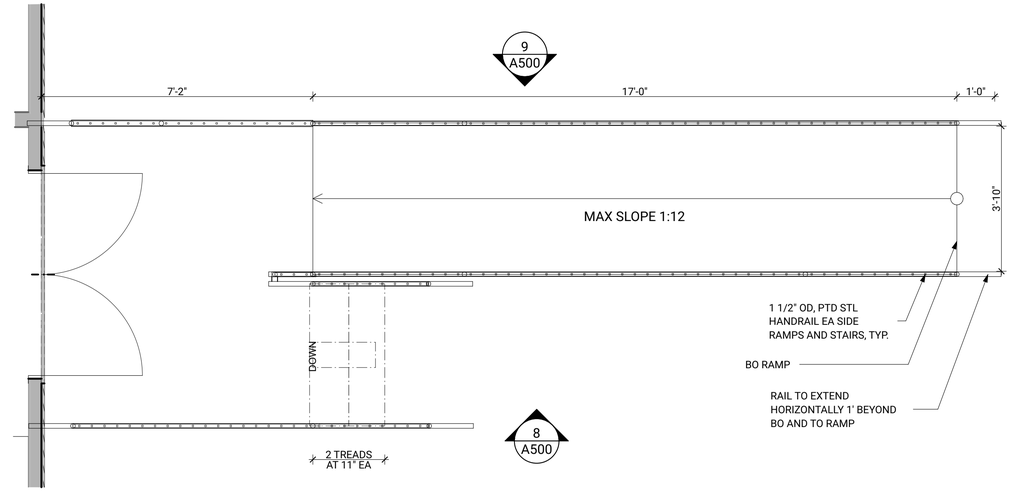
SCALE: 1/2" = 1'-0"



8 / A500

ENTRY STAIR ELEVATION

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



7 / A500

ENTRY STAIR AND RAMP

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

SHEET 13 OF 26

CAD NO. F600-D1825-C04-2022-010STAIR PLANS

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

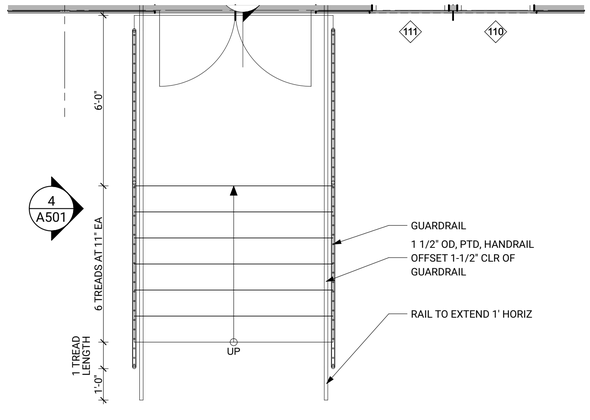
STAIR AND RAMP ENLARGED PLANS

SCALE

PARKS FILE#

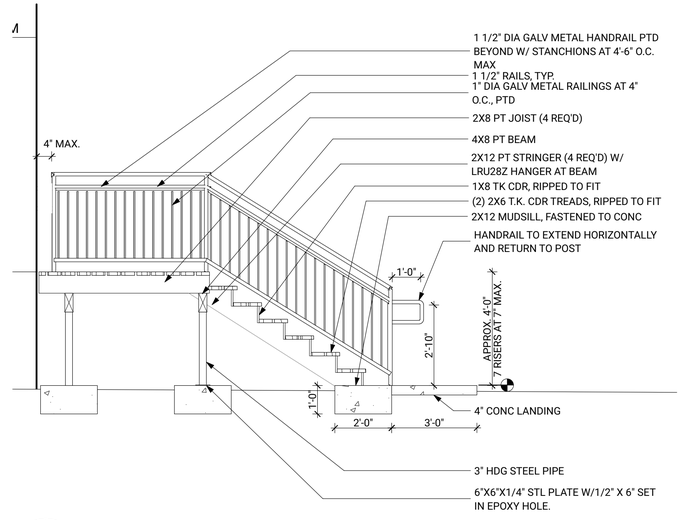
5 / A501 **GWB PATCHING**

SCALE: 3" = 1'-0"



7 / A501 **EXTERIOR STAIR PLAN**

SCALE: 3/8" = 1'-0"



4 / A501 **EXIT STAIR ELEVATION**

SCALE: 3/8" = 1'-0"

CAD NO. F600-D1825-C04-2022-11STAIR DETAILS

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

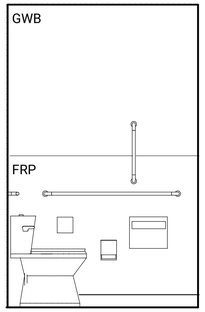
FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

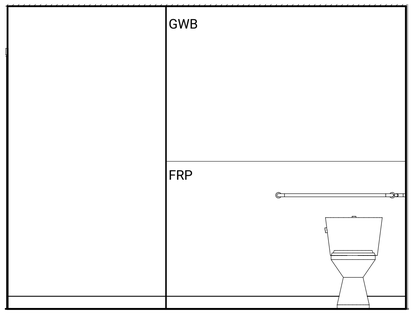
STAIR AND RAMP DETAILS

SCALE

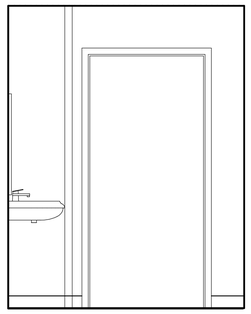
PARKS FILE#



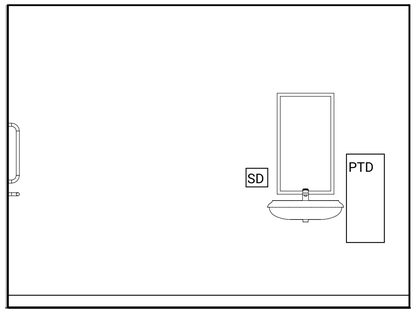
SOUTH



EAST



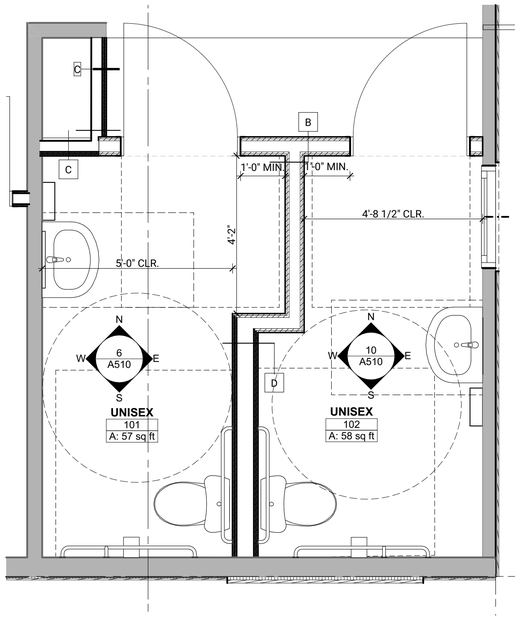
NORTH



WEST

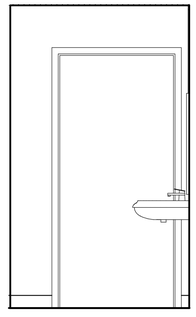
6 A510 **UNISEX RESTROOM 101**

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

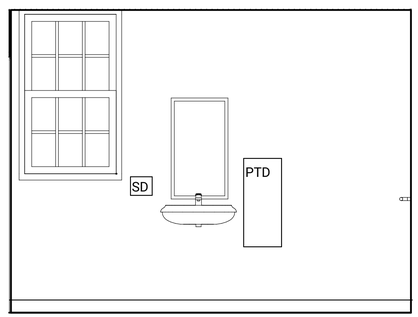


2 A510 **RESTROOMS 101 & 102**

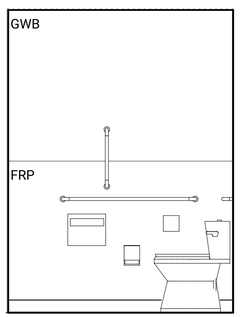
SCALE: 1/2" = 1'-0"



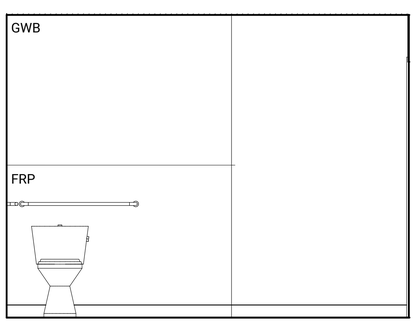
NORTH



EAST



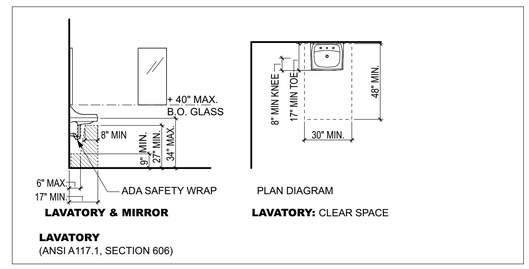
SOUTH

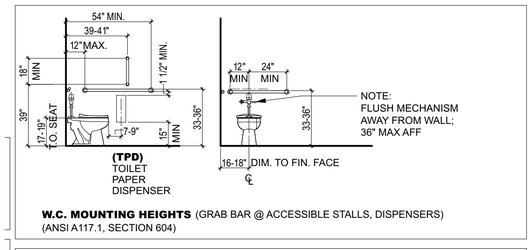


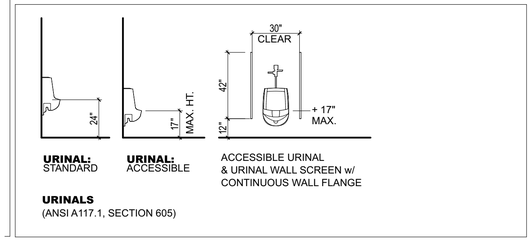
WEST

10 A510 **UNISEX RESTROOM 102**

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







CAD NO. F600-D1825-C04-2022-12RESTROOM PLANS

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

RESTROOM PLANS AND INTERIOR ELEVATIONS

SCALE

PARKS FILE#

Element ID	101, 117, 119, 120, 121, 122, 126, 130	102 - 113, 129	114	115
Unit Dimensions	2'-8"x4'-6"	2'-8"x4'-6"	2'-8"x4'-6"	2'-8"x4'-6"
REMARKS	SEE NOTES	SEE NOTES	REPAIR UPPER SASH. MEETING RAIL DROPPED.	REPAIR SASH - UPPER AND LOW ARE CURRENTLY REVERSED AND NOT ALIGNED.
Renovation Status	Existing	New	Existing	Existing
Type	SINGLE HUNG	SINGLE HUNG	SINGLE HUNG	SINGLE HUNG
Type ID	4D	4D	4D	4D

Element ID	116	118	123, 124, 125, 127, 128
Unit Dimensions	2'-8"x4'-6"	2'-8"x4'-6"	2'-8"x4'-6"
REMARKS	REPAIR ONE LOWER CORNER AT BOTTOM RAIL AND STILE.	REPAIR THE MEETING RAIL OF THE UPPER SASH	SILL DROPPED. REPAIR OR REPLACE AS REQUIRED.
Renovation Status	Existing	Existing	Existing
Type	SINGLE HUNG	SINGLE HUNG	SINGLE HUNG
Type ID	4	4D	4D

12 / A910

WINDOW SCHEDULE

SCALE: 1' = 1'-0"

WINDOW SCHEDULE NOTES

1. SEE SHEET 2 FOR GENERAL NOTES.
2. WINDOWS ARE SHOWN FROM THE OUTSIDE
3. OVERALL DIMENSIONS INDICATE ROUGH OPENINGS
4. VERIFY ALL ROUGH OPENINGS AT EXISTING CONDITIONS
5. ALL WINDOWS TO BE FITTED WITH A LATCH, MARVIN SIGNATURE ULTIMATE
6. ALL EXISTING WINDOWS TO BE BE DIP-STRIPPED, REPAIRED, FITTED WITH NEW GLAZING AND WEATHER STRIPPING (SPRING BRONZE AND SILICONE BEAD AT MEETING RAIL AND BASE OF SILL). FRAMES TO BE STRIPPED. WINDOW AND FRAMES TO BE PAINTED TO MATCH EXISTING.

11 / A910

EXISTING SINGLE WINDOW

SCALE: 1:18.30

8 / A910

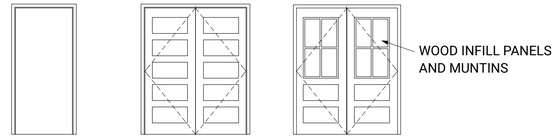
EXISTING DOUBLE WINDOW

SCALE: 1:18.15

Home Story	DOOR								FRAME		FIRE RATE	HARDWARE GROUP	REMARKS
	MARK	TYPE	Pair	W	H	T	MATL	FIN	MATL	FIN			
(E) 1ST FLOOR													
	100	B	YES	5'-0"	6'-8"	1 3/4"	WD	PTD	WD	PTD		3	
	100A	B	YES	5'-4"	6'-8"	1 3/4"	WD	PTD	WD	PTD		1	PANIC HARDWARE
	100B	B	YES	5'-4"	6'-8"	1 3/4"	WD	PTD	WD	PTD		1	PANIC HARDWARE
	100C	B	YES	5'-4"	6'-8"	1 3/4"	WD	PTD	WD	PTD		1	PANIC HARDWARE
	101	B		3'-0"	6'-8"	1 3/4"	WD	PTD	WD	PTD		2	
	102	B		3'-0"	6'-8"	1 3/4"	WD	PTD	WD	PTD		2	
	106	B		3'-0"	6'-8"	1 3/4"	WD	PTD	WD	PTD		3	
	S1	B	YES	5'-4"	6'-8"	1 3/4"	WD	PTD	WD	PTD		NA	FIXED, INOPERABLE
	W1	B		2'-8"	6'-8"	1 3/4"	WD	PTD	WD	PTD		1	DEADBOLTED SHUT
(E) PROJECTION ROOM													
	201	A		2'-8"	6'-8"	1 3/4"	WD	PTD	WD	PTD			

DOOR SCHEDULE NOTES

1. SEE COVER SHEET 2 FOR ABBREVIATIONS
2. DOORS ARE SHOWN FROM THE OUTSIDE
3. OVERALL DIMENSIONS INDICATE ROUGH OPENINGS
4. VERIFY ALL ROUGH OPENINGS AT EXISTING CONDITIONS
5. PROVIDE PERIMETER GASKET AIR SEALS



2 / A910

DOOR SCHEDULE

SCALE: 1' = 1'-0"

1 / A910

DOOR TYPES

SCALE: 1' = 1'-0"

CAD NO. F600-D1825-C04-2022-13DOOR AND WINDOW

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	BW	08/28/2024
DRAWN	BW	08/28/2024
CHECKED (FIELD)	BW	08/28/2024
CHECKED (HDQTS.)		

8569 REGISTERED ARCHITECT
MATTHEW C. AALFS
STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

DOOR AND WINDOW SCHEDULES

SCALE

PARKS FILE#

STRUCTURAL NOTES

GENERAL NOTES

These general notes are to be used as a supplement to the specifications and apply to all structural components of the building and foundation. Any discrepancies found among the drawings, the specifications, these general notes and the site conditions shall be reported to the Registered Design Professional, who shall correct such discrepancy in writing. Any work done by the Contractor after discovery of such discrepancy, but prior to correction of such discrepancy, shall be done at the Contractor's risk. The Contractor is responsible for conforming to all OSHA and WISHA safety standards. The Contractor is responsible for all bracing and shoring during construction.

CODES

All methods, materials, and workmanship shall conform to the 2021 International Existing Building Code (IEBC) and 2021 International Building Code (IBC) as amended and adopted by the local building authority. All reference to other Codes and Standards (ACI, ASTM, etc.) shall be for the latest or most current edition available, except as designated by the governing code.

SECTIONS AND DETAILS

Sections and details showing reinforcing, bolts, framing members, and connections are intended to illustrate specific details. No attempt has been made to show all elements passing through a specific section or detail. Construction details not specifically shown on the drawings shall follow similar details of this project, as approved by the Registered Design Professional.

EXISTING CONDITIONS

The Contractor shall verify the existing conditions of exposed framing systems and walls within the project area. If the existing conditions vary from the information in the contract documents, the Contractor shall notify the Registered Design Professional of the conditions prior to proceeding with work in that area. Structural framing systems and foundations supporting new loads are assumed to be in good condition. The Contractor shall notify the Registered Design Professional of any deficiencies in the existing structure that are observed or revealed during construction.

COORDINATION

The Contractor shall verify and/or coordinate all dimensions and conditions shown on the contract documents.

DESIGN CRITERIA

Per IEBC Section 202, the damage to the existing structure is classified as less than "Substantial Structural Damage". Therefore, the structural design has been performed In coordination with IEBC Section 405.2.1.

- Damaged elements shall be permitted to be restored to their pre-damaged condition

Structural design has been performed per the structural provisions of the International Building Code, 2021 edition for the new floor and ceiling framing of the Heater Room.

Live Loads:

Floor: L_o = 60 PSF
Ceiling: L_o = 40 PSF

Owner to install load posting signs in the new space indicating allowable live loads noted above.

CONSTRUCTION INSPECTION

The Building Official shall make structural inspections as required by the local jurisdiction. Construction inspection shall be in accordance with the following provisions of the 2021 IBC:

Section 104.4 Inspections
Section 110 Inspections
Chapter 17 Structural Tests & Special Inspections

The Special Inspector shall be hired by the Owner to provide special inspection as indicated in the attached "Table of Special Inspections." The Special Inspector shall submit a summary of the proposed testing program for review and approval. Submit all inspection reports directly to the Building Official, Owner and/or Registered Design Professional within two (2) days after each inspection. Any discrepancies shall be brought to the Contractor's immediate attention, and if not corrected, to the Building Official and Registered Design Professional.

STRUCTURAL CONCRETE

All concrete shall meet the requirements of ACI-301, "Specifications For Structural Concrete For Buildings." Proportioning of ingredients for each concrete mix shall be by Method 2 or the alternate procedure given in ACI-301. Place concrete per ACI-304 and conform to ACI-604 (306) for cold weather placement and ACI-605 (305) for hot weather placement.

MATERIALS

Cement: ASTM C150, Type I.
Coarse and fine aggregate: ASTM C33. Water shall be clean and potable.

ADMIXTURES

Air entrainment: ASTM C260, Entrain 5% ± 1% by volume in all exposed concrete.

STRENGTH

Twenty-eight day compressive strength shall be: 4500 psi min.
Maximum Water/cement ratio: 0.46

CONCRETE ANCHORS, INSERTS and EMBEDDED ITEMS

Expansion anchors and inserts shall be ICC listed and shall have working strength capacity equal to the ultimate capacity divided by 4. Expansion anchors and inserts shall be as manufactured by HILTI, Simpson, Powers or approved equivalent.

Concrete anchor bolts shall meet the quality of ASTM F1554 grade 36 bolts and shall have a standard bolt head or an equal deformity in the embedded portion. Galvanize anchor bolts in contact with pressure treated lumber per ASTM A153, Class C.

ADHESIVE FOR CONCRETE DOWELING

Threaded rods, bolts or reinforcing bars shown doweling into existing concrete shall use Hilti HIT-HY 200 or HIT-RE 500-V3, Simpson Strong Tie SET-XP or AT-XP, or Dewalt AC200+ or Pure110+, or approved equal. The Contractor shall comply with the manufacturer's recommendations for all installation requirements including: drill bit size, embedment depth, hole cleaning, adhesive application, and special inspection requirements.

POWDER OR POWER ACTUATED FASTENERS

Use 0.157" shank diameter HILTI X-U fastener, or approved equal, for fastening steel and lightgauge framing to steel, concrete, and masonry. Use 0.145" shank diameter HILTI X-CP or X-CR-L fastener, or approved equal, for fastening pressure treated wood sill plates to concrete. Fasteners shall be 2-1/2" min. long with 23 mm minimum washer at 2x- wood plates, and 1-1/4" long at lightgauge metal runners.

WOOD FRAMING, LUMBER GRADING

Lumber Grading shall be in accordance with standard grading rules of West Coast Lumber No. 17. Moisture content shall be maximum 19%. Framing lumber shall be Douglas Fir-Larch or Hem-Fir #2 unless noted otherwise. Framing in contact with concrete or within 8" of earth shall be pressure treated.

Sheathing shall be APA rated, Exposure 1 or Exterior bond classification, with nominal thickness as shown on drawings.

Use hot dipped galvanized (ASTM A153) nails for all connections to pressure treated wood.

Wood framing details not shown otherwise shall be constructed to the minimum standards of the IBC and shall conform to Table 2304.10.2.

Notations on drawings relating to framing clips, joist hanger and other connecting devices refer to catalog numbers manufactured by Simpson Strong Tie Company, San Leandro CA. Install hardware with all manufacturer specified fasteners, unless otherwise noted. All Simpson Hangers used in exterior applications or in contact with pressure treated wood shall be provided with "Z-Max" galvanizing, when available, or shall be hot dipped galvanized. Hot dipped galvanized nails and bolts (ASTM 153) shall be provided for all galvanized Simpson connectors used in all exterior applications and/or attached to pressure treated lumber. Equivalent devices by other manufacturers may be substituted provided they have ICC approval for equal load capacity.

PRESSURE TREATED WOOD

All lumber and plywood required to be preservative treated shall be treated in accordance with IBC Section 2303.1.9. Each piece of treated lumber and plywood shall bear the quality mark of an approved inspection agency which maintains continuing supervision, testing and inspection over the quality of the product, as described in the IBC Standards, and shall be identified as required by these standards. Where pressure treated lumber is cut or drilled after treatment, the cut surface shall be field treated with approved preservatives by repeated brushing, dipping or soaking until the wood absorbs no more preservative.

Per Section 2304.10.6, all fasteners in contact with preservative treated wood shall be hot dipped galvanized or stainless steel. This includes anchor bolts, nails, washers, nuts, and shear wall and sheathing nailing.

STANDARD ABBREVIATIONS

A.B.	Anchor Bolt	NBSEI	Not by SEI
ALT.	Alternate	N.I.C.	Not In Contract
A.F.F.	Above Finish Floor	N.T.S.	Not To Scale
A.C.P.	Asphalt Concrete Paving	NO.	Number
BOTT.	Bottom	O.C.	On Center
		O.D.	Outside Diameter
C.I.P.	Cast-in-Place		
C.M.U.	Concrete Masonry Units	PAV.	Paving
CONC.	Concrete	PLF	Pounds Per Lineal Foot
C.R.S.I.	Concrete Reinforcing Steel Institute	PSF	Pounds Per Square Foot
		PSI	Pounds Per Square Inch
CONT.	Continuous	PT	Pressure Treated
DBL.	Double	R.	Radius or Riser
DIA.	Diameter		
D.L.	Dead Load	SEI	Sargent Engineers Inc.
		SIM.	Similar
EA.	Each		
EOR	Engineer of Record	T.O.B.	Top Of Beam
EL., ELEV.	Elevation	T.O.C.	Top Of Concrete or Top Of Column
E.W.	Each Way		
EQ.	Equal	T.O.S.	Top Of Steel
EST.	Estimate		
EXST.	Existing	UNO	Unless Noted Otherwise
EXT.	Exterior		
		VERT.	Vertical
F.O.C.	Face of Concrete		
F.O.F	Face of Fascia	WHS	Welded Headed Stud
F.O.W.	Face of Wall	WTS	Welded Threaded Stud
FT.	Foot or Feet	W.W.F.	Welded Wire Fabric
		w/	With
HORIZ.	Horizontal		
I.D.	Inside Diameter	STANDARD SYMBOLS	
INT.	Interior	@	At
		℄	Centerline
K.	Kips	PL	Plate
		ø	Diameter
LBS.	Pounds	#	Number
LF	Linear Foot (Feet)		
LL	Live Load		
LP	Low Point		
LLH	Long Leg Horizontal		
LLV	Long Leg Vertical		
MAX.	Maximum		
MFR.	Manufacturer		
MIN.	Minimum		
MISC.	Miscellaneous		

LEGEND

1/3 — Identify section, view, or detail shown on Sheet 3

1/– — Dashed line, view or detail is taken from and shown on the same sheet.

SARGENT
SARGENT ENGINEERS, INC.
320 Ronlee Lane NW • Olympia, WA 98502
Tel. 360 867-9284 • Fax 360 867-9318
SEI Pr. No. – A21155.00

CAD NO. F600-D1825-C04-2022-1.0 Structural Notes

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	CAM	08/28/2024
DRAWN	CAM	08/28/2024
CHECKED	ECM	08/28/2024
CHECKED (HDQTS.)		

ERIK CHRISTOPHER MARTIN
STATE OF WASHINGTON
40851
STRUCTURAL ENGINEER
PROFESSIONAL ENGINEER
08/28/2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

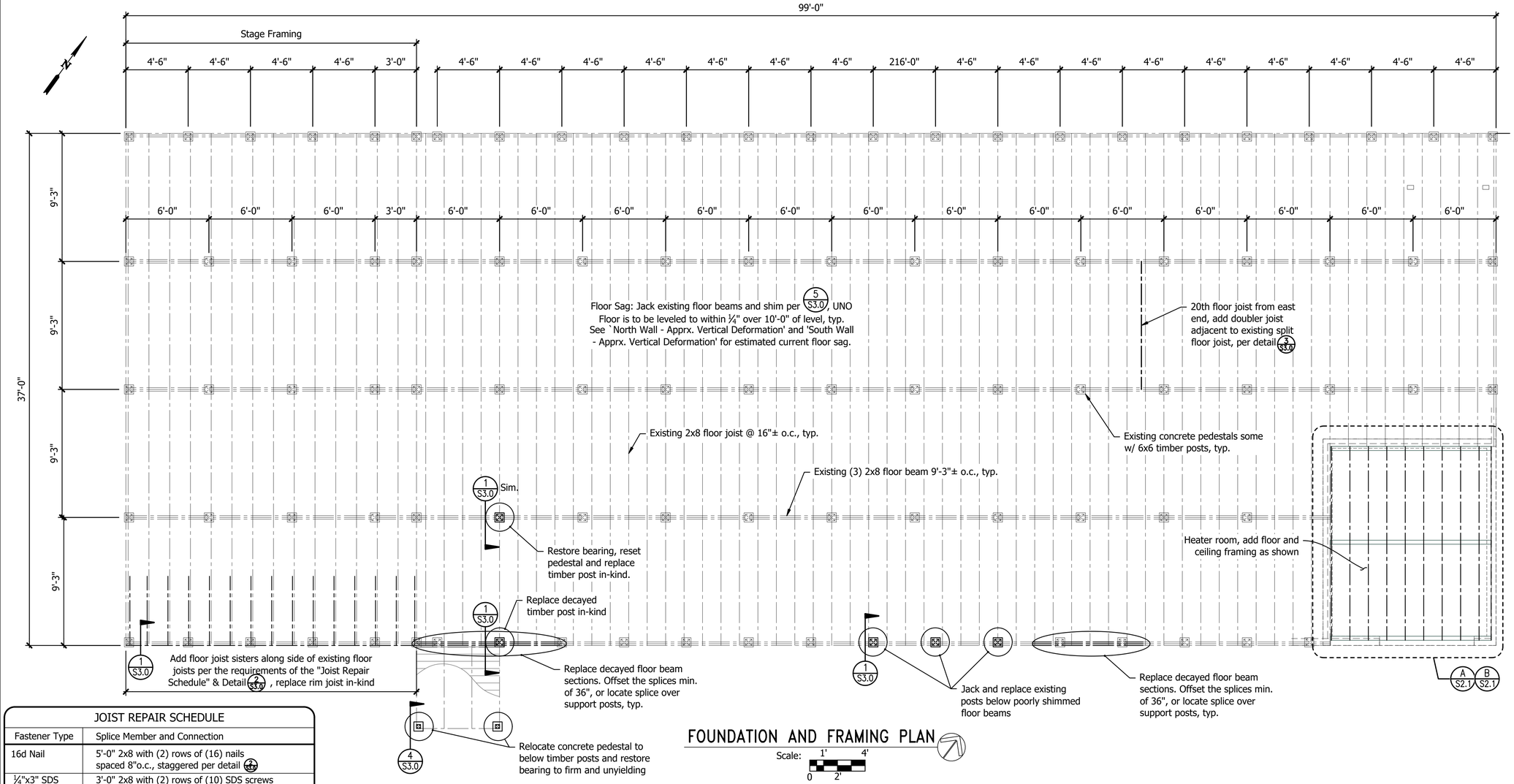
THEATER REHABILITATION PROJECT

STRUCTURAL NOTES

S1.0

SCALE
NOT TO SCALE

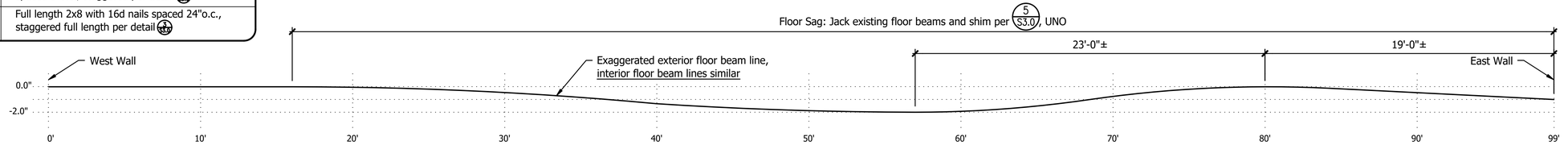
PARKS FILE#



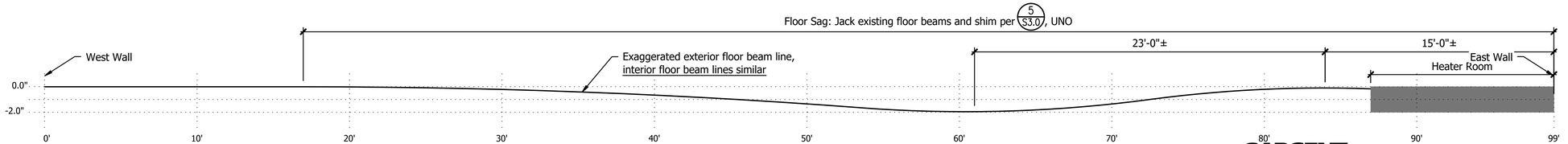
FOUNDATION AND FRAMING PLAN

Scale: 1' 0 2' 4'

JOIST REPAIR SCHEDULE	
Fastener Type	Splice Member and Connection
16d Nail	5'-0" 2x8 with (2) rows of (16) nails spaced 8"o.c., staggered per detail 2/S3.0
¼"x3" SDS	3'-0" 2x8 with (2) rows of (10) SDS screws spaced 8"o.c., staggered per detail 2/S3.0
Alternate 16d	Full length 2x8 with 16d nails spaced 24"o.c., staggered full length per detail 3/S3.0



NORTH WALL – APPRX. VERTICAL DEFORMATION



SOUTH WALL – APPRX. VERTICAL DEFORMATION

SARGENT
SARGENT ENGINEERS, INC.
320 Ronlee Lane NW • Olympia, WA 98502
Tel. 360 867-9284 • Fax 360 867-9318
SEI Pr. No. – A21155.00

CAD NO. F600-D1825-C04-2022-2.0 Framing Plan

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	CAM	08/28/2024
DRAWN	CAM	08/28/2024
CHECKED	ECM	08/28/2024
CHECKED (HDQTS.)		

ERIK CHRISTOPHER MARTIN
STATE OF WASHINGTON
40851
REGISTERED PROFESSIONAL ENGINEER
08/28/2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

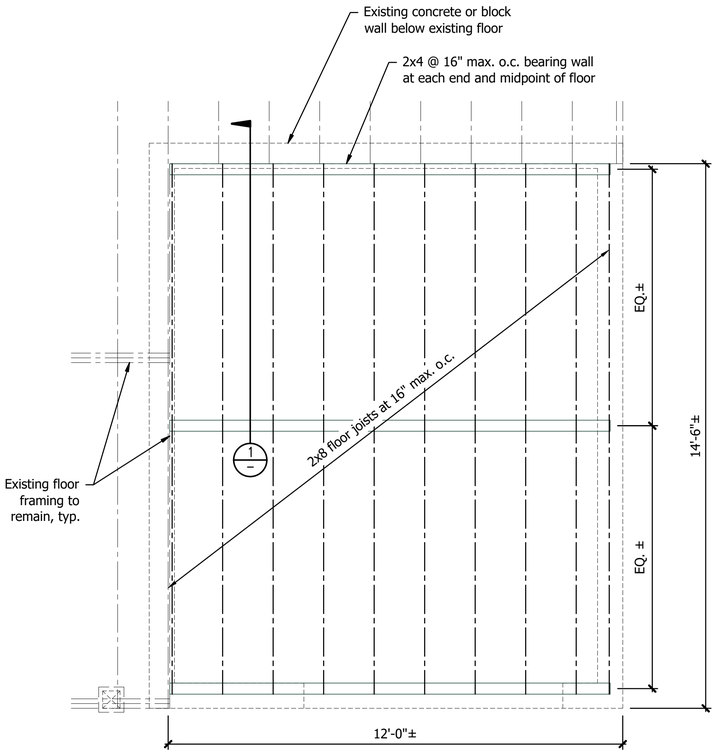
THEATER REHABILITATION PROJECT

FOUNDATION AND FLOOR FRAMING PLAN

S2.0

SCALE
AS SHOWN

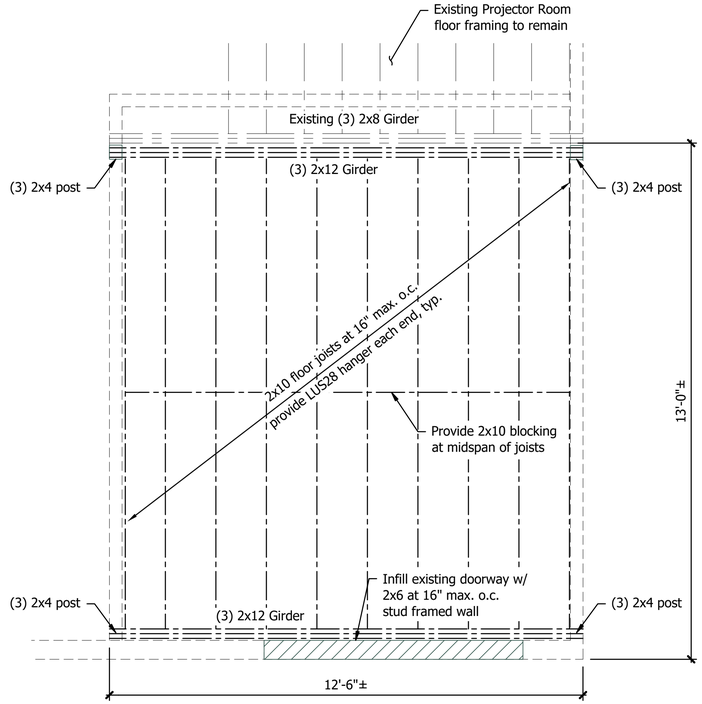
PARKS FILE#



Floor sheathing shall be ¾" T&G sheathing with 10d nails at 6" o.c. edge and 12" o.c. in the field

HEATER ROOM FLOOR FRAMING — A

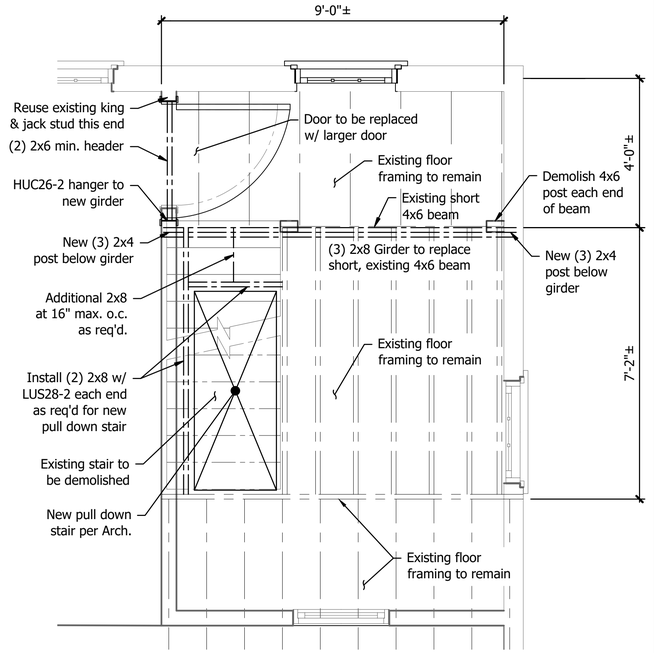
Scale: 2' (0 – 4')



Floor sheathing shall be ¾" T&G sheathing with 10d nails at 6" o.c. edge and 12" o.c. in the field

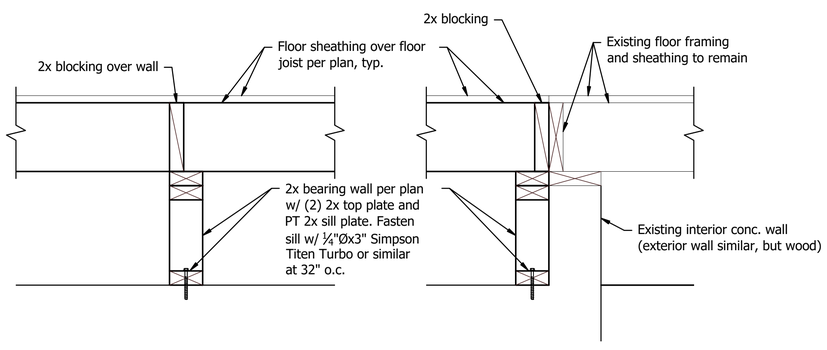
HEATER ROOM CEILING FRAMING — B

Scale: 2' (0 – 4')



STORAGE ROOM CEILING FRAMING — C

Scale: 2' (0 – 4')



FLOOR JOIST BEARING WALLS — 1

Scale: Not to Scale

SARGENT
SARGENT ENGINEERS, INC.
320 Ronlee Lane NW • Olympia, WA 98502
Tel. 360 867-9284 • Fax 360 867-9318
SEI Pr. No. – A21155.00

CAD NO. F600-D1825-C04-2022-S2.1 Heater Room

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	CAM	08/28/2024
DRAWN	CAM	08/28/2024
CHECKED	ECM	08/28/2024
CHECKED (HDQTS.)		

ERIK CHRISTOPHER MARTIN — STATE OF WASHINGTON — 40851 — REGISTERED PROFESSIONAL ENGINEER — 08/28/2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

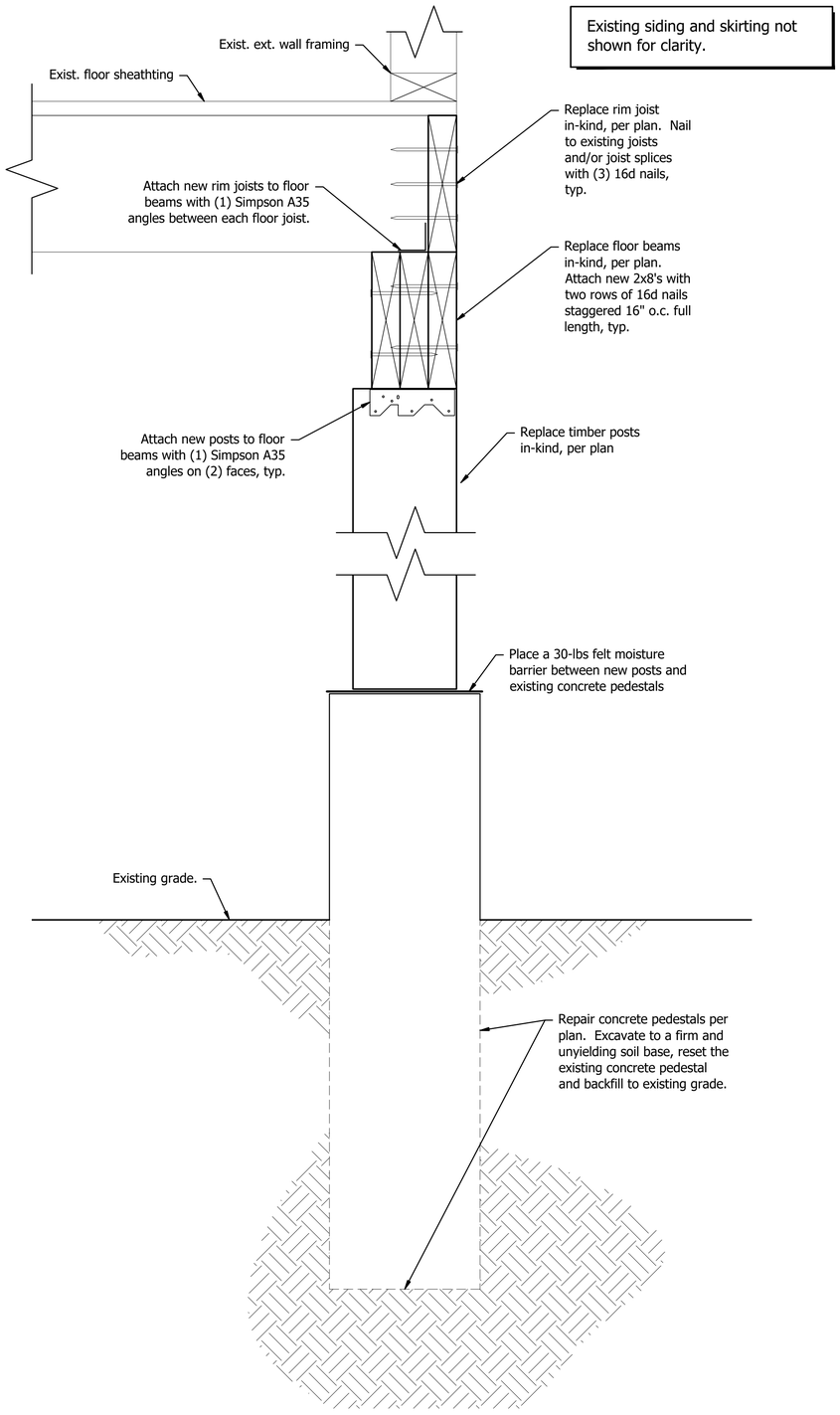
THEATER REHABILITATION PROJECT

HEATER & PROJECTION ROOM FRAMING PLANS

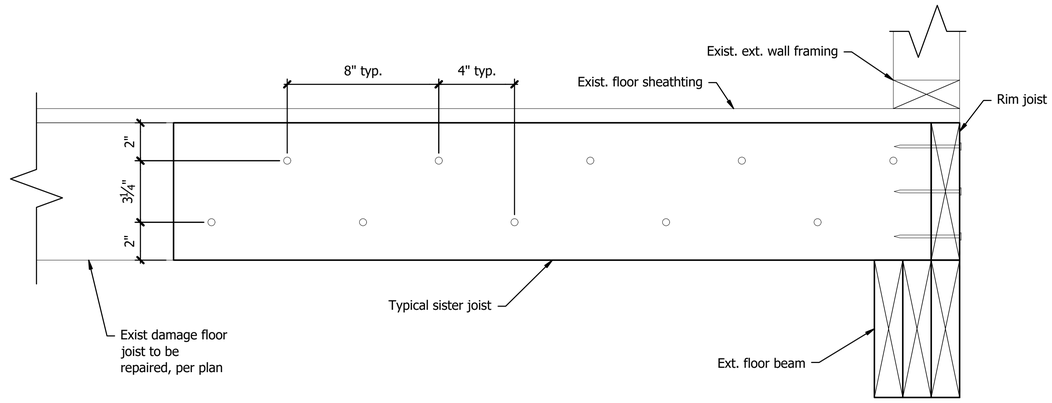
S2.1

SCALE
AS SHOWN

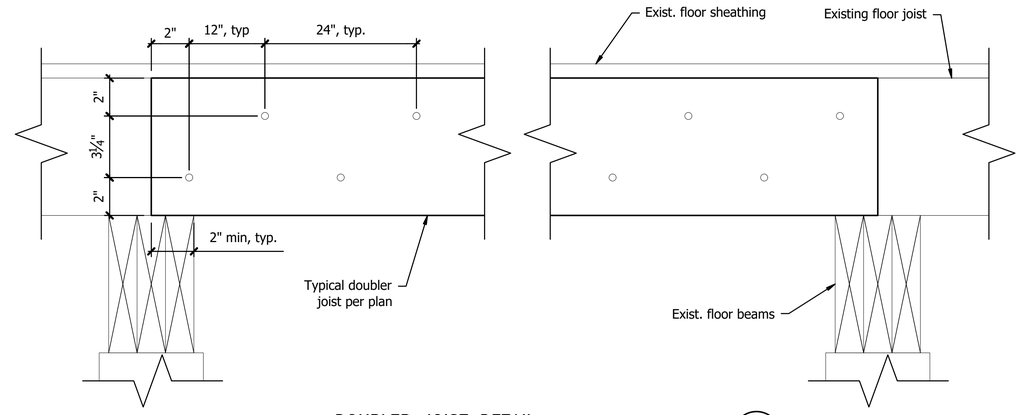
PARKS FILE#



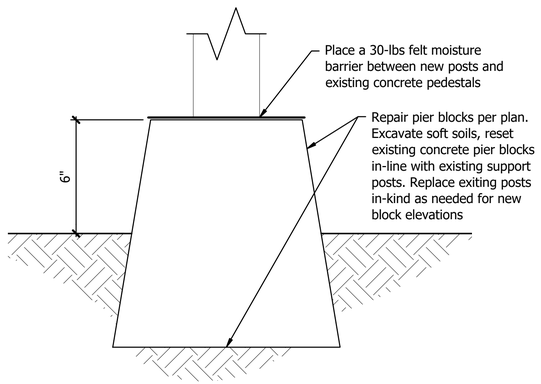
TYPICAL REPAIR DETAILS 1



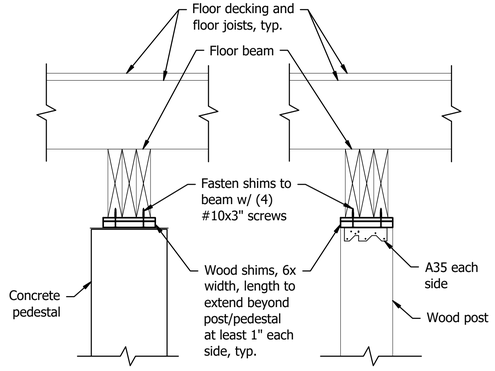
SISTER JOIST DETAIL 2



DOUBLER JOIST DETAIL 3



PIER BLOCK DETAIL 4



FLOOR BEAM SHIMMING 5

Approx. 40 locations will need shimming.

SARGENT
SARGENT ENGINEERS, INC.
320 Ronlee Lane NW • Olympia, WA 98502
Tel. 360 867-9284 • Fax. 360 867-9318
SEI Pr. No. – A21155.00

CAD NO. F600-D1825-C04-2022-3.0 Details

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	CAM	08/28/2024
DRAWN	CAM	08/28/2024
CHECKED	ECM	08/28/2024
CHECKED (HDQTS.)		

ERIK CHRISTOPHER MARTIN
STATE OF WASHINGTON
40851
REGISTERED PROFESSIONAL ENGINEER
08/28/2024
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

REPAIR DETAILS

S3.0

SCALE
NOT TO SCALE

PARKS FILE#

MECHANICAL NOTES

General

1. All work to conform to all locally adopted codes including the 2021 International Building Code, 2021 International Mechanical code, 2021 Uniform Plumbing Code, all City, County and State Codes including locally adopted amendments to the National Codes and the 2021 Washington State Energy Code.
2. The Contractor shall visit the site prior to submitting a bid and note all conditions affecting his work. No extras will be allowed for coordination or relocation of existing conditions not shown on the drawings. Bids shall serve as evidence of knowledge of existing conditions.
3. Secure and pay for all required permits, fees and inspection certificates.
4. Furnish all labor, materials, equipment and tools to perform mechanical work shown, noted or scheduled for a complete and finished installation.
   a. All materials and equipment shall be commercial grade and shall carry a U.L. label.
   b. Materials, products and equipment, including all components thereof, shall be new and such as appear on the Underwriters Laboratories List of Approved Items and shall meet requirements of ASTM, IEEE, IPCEA, NEC, NEMA, RLM, CEM and other recognized standards and shall be sized in conformity with requirements of the 2021 International Mechanical Code, 2021 International Plumbing Code, 2021 Uniform Plumbing Code and other applicable codes, whichever are more stringent.
5. It is the intent that this work shall be complete in every respect and that any material or work not specifically mentioned or shown on the drawings, but necessary to fully complete the work shall be furnished by this contractor without extra charge.
6. Use sufficient journeymen, workmen and competent supervisors in the execution of this work to ensure proper and adequate installation manpower to meet the construction schedule.
7. The word "provide" as used herein means to furnish and install complete.
8. Submit material lists, product data and shop drawings for major equipment to the Engineer for approval. Submittals shall include all data, information and dimensioned drawings required by the Engineer to determine the correct product is being provided for the project. Data sheets that include products not part of the project shall have required products highlighted to make it obvious of the product being provided. Substitutions shall be clearly listed on a cover letter stating the reason for the substitution (product no longer made, product has a longer ship time than the duration of the project from project start date to project completion date, no other substitutions are acceptable). Provide electronic submittals in .pdf format. All submittal shall be stamped by the
9. Cutting, Patching, and Demolition:
   a. Do all cutting, patching and demolition required to install materials and systems specified and shown on the drawings.
   b. Cutting shall be done in a neat and workman like manner limiting scope to only that which is necessary to accomplish the new work. Remove all cut material from site. Patch to match existing.
   c. Do no cutting or drilling of structural members or slabs without permission of the Owner.
   d. Take precautions to protect building, contents and occupants and repair or replace all damage to building and its contents to like-new condition.
   e. Sleeves shall extend at least 2" above finished floor.
   f. All sleeves, openings, etc., through fire rated walls and floors shall be sealed to retain their fire rating.
10. Guarantee:
    a. Materials, equipment and installation shall be guaranteed for a period of one (1) year from date of acceptance. Defects which appear during that period shall be corrected at this Contractor's
    b. For the same period, Mechanical Contractor shall be responsible for any damage to premises caused by defects in workmanship or in the work or equipment furnished and/or installed by them.
11. The drawings and devices shown are generally diagrammatic. Complete details of the building which affect the installation are not shown. Contractor to provide complete systems as shown on the drawings. The exact location of all work is to be verified in the field. Bring conflicts to the Engineers attention for resolution prior to rough-in. Relocations required due to conflicts shall be done without additional compensation.
12. Protection:
    a. Use all means necessary to protect materials, before, during and after installation and to protect the installed work of other trades.
    b. Contractor shall be responsible for damages caused by their work to the work of other trades, and shall make, or pay for, all necessary repairs to restore damage to new condition at no cost to the owner.
    c. In the event of damage, immediately make all repairs and replacements necessary to the satisfaction of the Owner and at no additional cost to the Owner.
13. Provide final as-built drawings and maintenance manuals.

Products

1. Sheet Metal: All ductwork to be constructed and sealed per 2021 International Mechanical Code. All ductwork to be sheet metal and comply with SMACNA Ductwork Standards. ± 2"S.P.
2. Duct Insulation: See insulation table for thickness. Sound lining shall be 1" thick, 3.0 pcf density and be glued on with clips at 1'-6" on center each way maximum. Ducts called out for soundlining do not require external insulation. (Provided energy code is complied with)
3. HVAC Equipment: Furnish and install HVAC as shown in the schedules located on the plans.
4. Water Piping: Type "L" copper with wrought or forged copper fittings, lead free solder.
5. DWV Piping: All DWV piping to be no-hub cast iron with standard fittings.
6. Water Pipe Insulation: See insulation table for thickness. Fiberglass insulation with flame-retardant kraft paper vapor barrier. Provide Prefabricated Thermal Insulating Fitting Covers.
7. Propane Piping:
   a. Schedule 40 Black Steel, threaded piping.

Execution

1. Install all control wire in conduit.
2. Electrical Equipment and Wiring: Provide all control conduit and wire associated with the mechanical equipment. Install in compliance with the requirements of the electrical work.
3. Prior to any work or fabrication, carefully inspect the existing conditions and verify that all such conditions are compatible to the point where this installation may commence.
4. Sheet Metal Construction and installation of all ductwork shall comply with all SMACNA Standards
5. Balancing: Balance all air outlets to within ± 10% of that shown on the drawings. Commission system as required by 2021 WSEC and local codes. Neudorfer Engineers shall provide test, balance and commissioning.
6. Plumbing-water piping:
   a. Make all joints in copper tube with lead free solder applied in strict accordance with the manufacturer's recommendations.
   b. Make all pipe penetrations in walls, floors and roof water and air-tight. Provide piping supports as required by code. Install per 2021 UPC.
7. Record drawings shall be kept on site and updated daily. Provide measurement to all underground and concealed work.
8. Provide all racks, stands and supports for mechanical equipment and ductwork as required.

End of Mechanical Notes.

PLUMBING LEGEND AND ABBREVIATIONS

COLD WATER PIPING	
HOT WATER PIPING	
RETURN WATER PIPING	
SANITARY SEWERS	
VENT LINES	
ISOLATION VALVE	
TP — TRAP PRIMER LINE	
FINISHED WALL CLEAN OUT	
FINISHED GRADE 2-WAY CLEAN OUT	
DEMOLISH FIXTURE	

(E)	EXISTING
(N)	NEW
FD	FLOOR DRAIN
CW	COLD WATER
HW	HOT WATER
HWT	HOT WATER TEMPERED
CO	CLEAN OUT
S.S.	STAINLESS STEEL
FWCO	FINISH WALL CLEAN OUT
WC	WATER CLOSET
U.O.N.	UNLESS OTHERWISE NOTED
FFCO	FINISH FLOOR CLEAN OUT
FGCO	FINISH GRADE CLEAN OUT
TP	TRAP PRIMER

ABBREVIATIONS

ø	DIAMETER
'	FEET
"	INCHES
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
APPROX	APPROXIMATELY
AS	AIR SEPARATOR
BTU/H	BRITISH THERMAL UNITS/HOUR
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CIRC	CIRCULATION
COMB	COMBUSTION
CONT	CONTINUATION
CLG	COOLING
CO	CLEANOUT
CW	COLD WATER
D	DEPTH
DCW	DOMESTIC COLD WATER
DEG	DEGREE
DHW	DOMESTIC HOT WATER
DRN	DRAIN
DTL	DETAIL
DWG	DRAWING
EXISTING	
EXCH	EXCHANGER
EA	EXHAUST AIR
FD	FLOOR DRAIN
FLR	FLOOR
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HEIGHT
HP	HORSEPOWER
HTG	HEATING
HW	HOT WATER
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
HT	HOT or HEAT or HEATING
HYDR	HYDRONIC
ID	INSIDE DIAMETER
IMC	2012 INT. MECH. CODE
INT	INTERNATIONAL
L	LENGTH
LIQ	LIQUID
MAX	MAXIMUM
MBH	1,000 BTU/H's
MECH	MECHANICAL
MEZZ	MEZZANINE
MIN	MINIMUM
NPW	NON-POTABLE WATER
(N)	NEW
OC	ON CENTER
OD	OUTSIDE DIAMETER
OSA	OUTSIDE AIR
P&T	PRESSURE & TEMPERATURE
POC	POINT OF CONNECTION
PRESS	PRESSURE
PSI	POUNDS PER SQUARE INCH
RAD	RADIANT
RA	RETURN AIR
RECIRC	RECIRCULATION
RED	REDUCED OR REDUCER
SAN	SANITARY
SCH	SCHEDULE SCHED
SCHEDULE	SP STATIC PRESSURE
TEMP	TEMPERATURE TYP TYPICAL
NOT ALL ABBREVIATIONS USED	

HVAC

12"x8" — DUCT - FIRST NUMBER IS SIDE SHOWN	DIRECTION OF FLOW
SUPPLY DUCT UP	D — INCLINED DROP IN DIRECTION OF AIR FLOW
SUPPLY DUCT DOWN	R — INCLINED RISE IN DIRECTION OF AIR FLOW
RETURN DUCT UP	OR — SOUND LINING
RETURN DUCT DOWN	
SQUARE ELBOW	VOLUME DAMPER
SQUARE ELBOW TURNING VANES	FIRE DAMPER
RADIUS ELBOW	SD — SMOKE DAMPER
ROUND ELBOW TURNING VANES	F/S — FIRE/SMOKE DAMPER
ROUND TO RECTANGULAR TRANSITION	M — MOTORIZED DAMPER
LARGE TO SMALL TRANSITION	SPLITTER DAMPER
CANVAS CONNECTION	ACCESS DOOR.
FLEXIBLE CONNECTION.	A — CFM / THROAT SIZE — DIFFUSER TYPE SEE SCHEDULE
SUPPLY OUTLET CEILING DIFFUSER ARROWS INDICATE THROW DIRECTIONS	84"x6"-LD 375 CFM — LINEAR DIFFUSER
RETURN INLET CEILING DIFFUSER ARROWS INDICATE THROW DIRECTIONS	INTAKE LOUVER & SCREEN
EXHAUST INLET CEILING DIFFUSER ARROWS INDICATE THROW DIRECTIONS	20"x 10"-L 650 CPM — EXHAUST LOUVER
	T — THERMOSTAT

SHEET INDEX

SHEET 21 OF 29

CAD NO. F600-D1825-C04-2022-M0.00

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JH	08/28/2024
DRAWN	IK	08/28/2024
CHECKED (FIELD)	JH	08/28/2024
CHECKED (HDQTS.)		

JOHN DEAN HUNT — STATE OF WASHINGTON — 31885 — REGISTERED PROFESSIONAL ENGINEER

08–28–2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

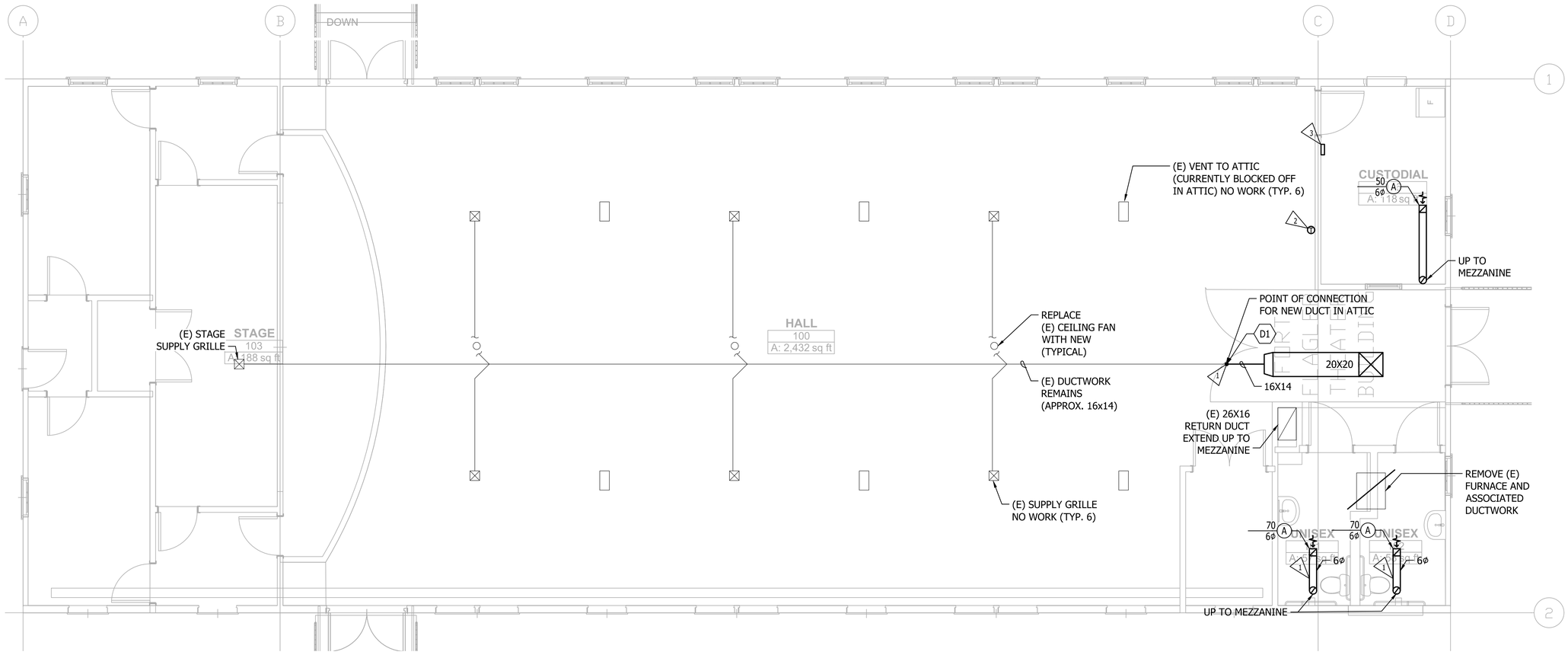
MECHANICAL LEGEND, SCHEDULES & NOTES

M0.00

SCALE

NONE

PARK FILE#



1ST FLOOR HVAC PLAN

1/4"= 1'-0"

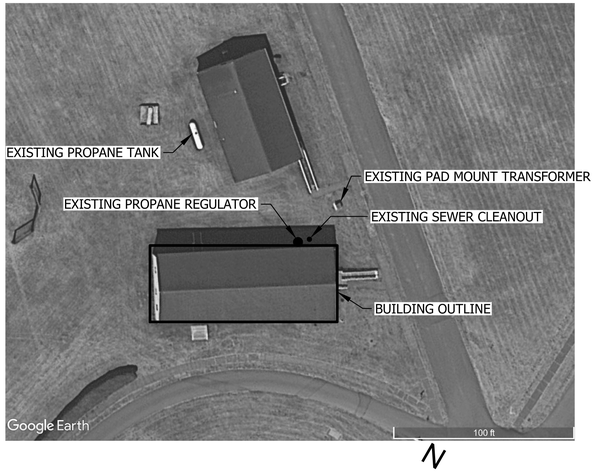
SCALE 1/4"=1'-0'

DEMOLITION NOTES

D1 DEMO (E) DUCTWORK IN ATTIC BEYOND (N) POINT OF CONNECTION TO (E) FURNACE. PREPARE FOR RECONNECTION TO (N) DUCTWORK.

CONSTRUCTION NOTES

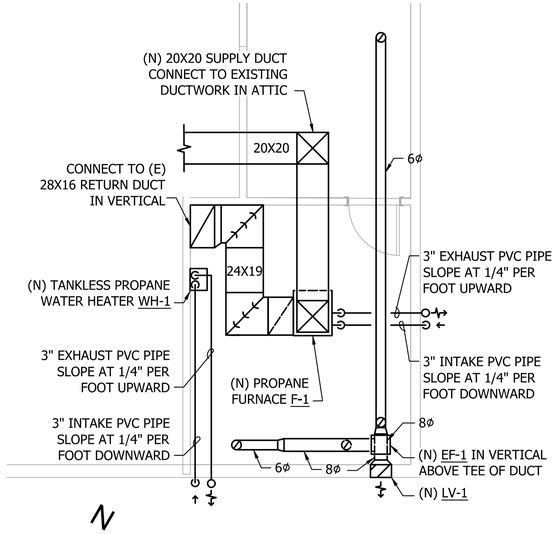
1. ROUTE ABOVE CEILING.
2. PROVIDE PROGRAMMABLE THERMOSTAT.
3. PROVIDE TIMECLOCK CONTROL FOR EXHAUST FAN.



SITE PLAN

1"=30'-0"

SCALE 1"=30'-0"



MEZZANINE HVAC PLAN

1/4"= 1'-0"

SCALE 1/4"=1'-0'

SHEET 22 OF 29

CAD NO. F600-D1825-C04-2022-M1.01

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JH	08/28/2024
DRAWN	IK	08/28/2024
CHECKED (FIELD)	JH	08/28/2024
CHECKED (HDQTS.)		

JOHN DEAN HUNT
STATE OF WASHINGTON
31885
REGISTERED
PROFESSIONAL ENGINEER

08-28-2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

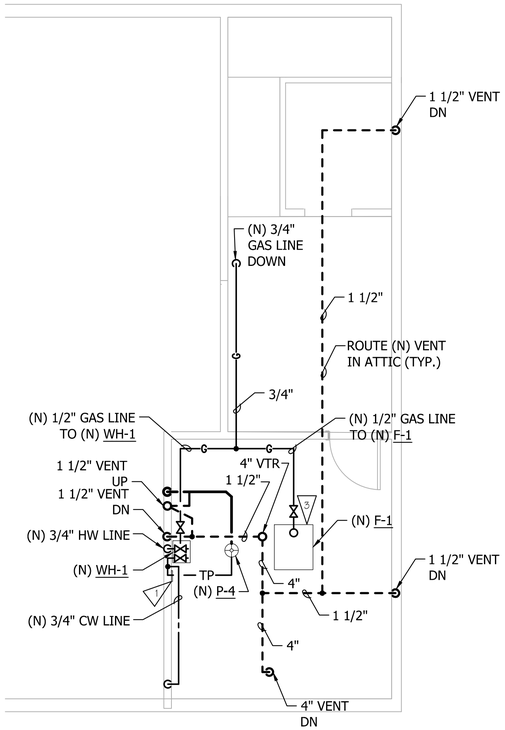
1ST FLOOR & MEZZANINE HVAC & SITE PLANS

M1.01

SCALE

AS SHOWN

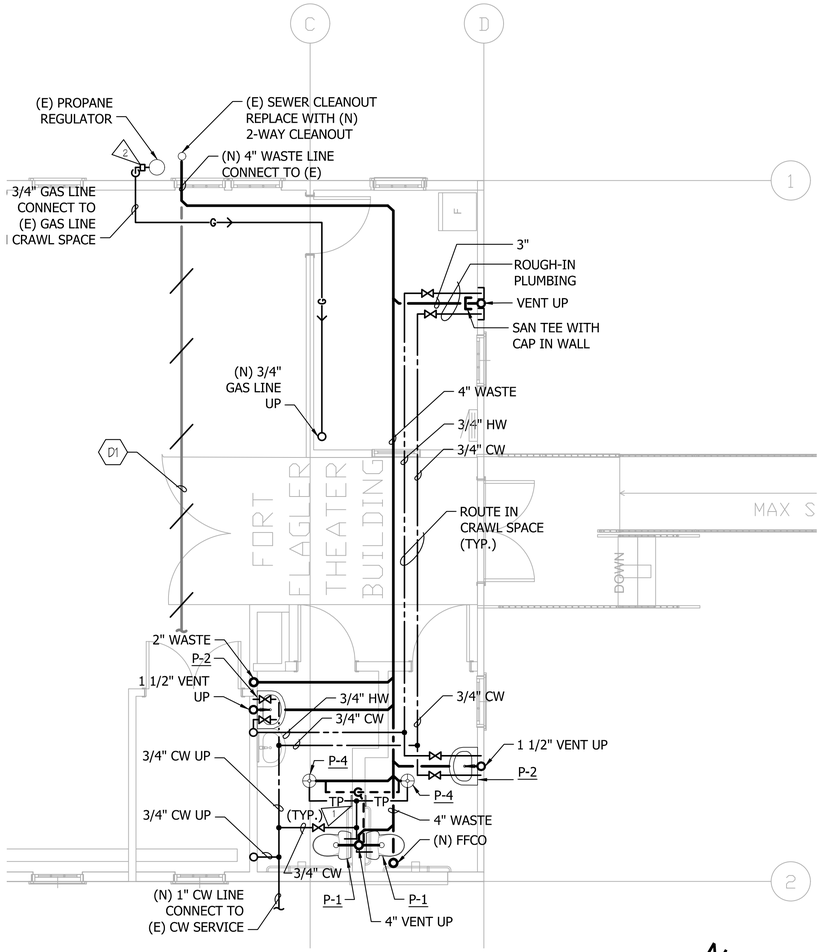
PARK FILE#



MEZZANINE & ATTIC PLUMBING PLAN

1/4"= 1'-0"

SCALE 1/4"=1'-0"



1ST FLOOR PLUMBING & CRAWL SPACE PLAN

1/4"= 1'-0"

SCALE 1/4"=1'-0"

DEMOLITION NOTES

D1 DEMO ALL (N) ABOVE GRADE SEWER & VENT PIPING. CAP WHERE IT GOES BELOW GRADE. VERIFY EXACT LOCATION PRIOR WORK.

CONSTRUCTION NOTES

1. PROVIDE TRAP PRIMER.
2. PROVIDE (N) EARTHQUAKE AUTOMATIC GAS SHUT OFF VALVE.
3. PROVIDE CONDENSATE FOR FURNACE.

SHEET 23 OF 29

CAD NO. F600-D1825-C04-2022-M2.01

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JH	08/28/2024
DRAWN	IK	08/28/2024
CHECKED (FIELD)	JH	08/28/2024
CHECKED (HDQTS.)		

JOHN DEAN HUNT
STATE OF WASHINGTON
31885
REGISTERED PROFESSIONAL ENGINEER
08-28-2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

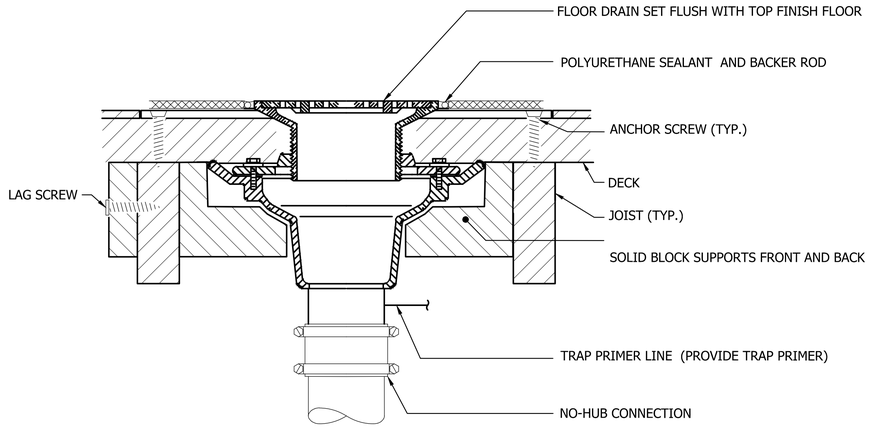
THEATER REHABILITATION PROJECT

1ST FLOOR, CRAWL SPACE & MEZZANINE, ATTIC PLUMBING PLANS

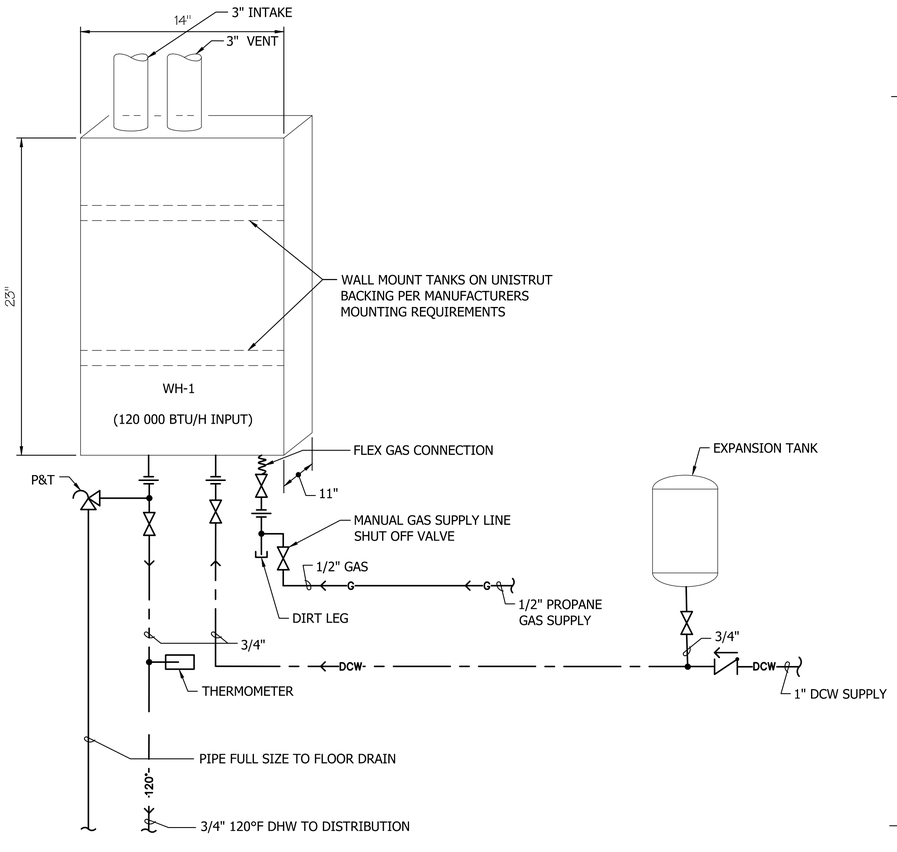
M2.01

SCALE
AS SHOWN

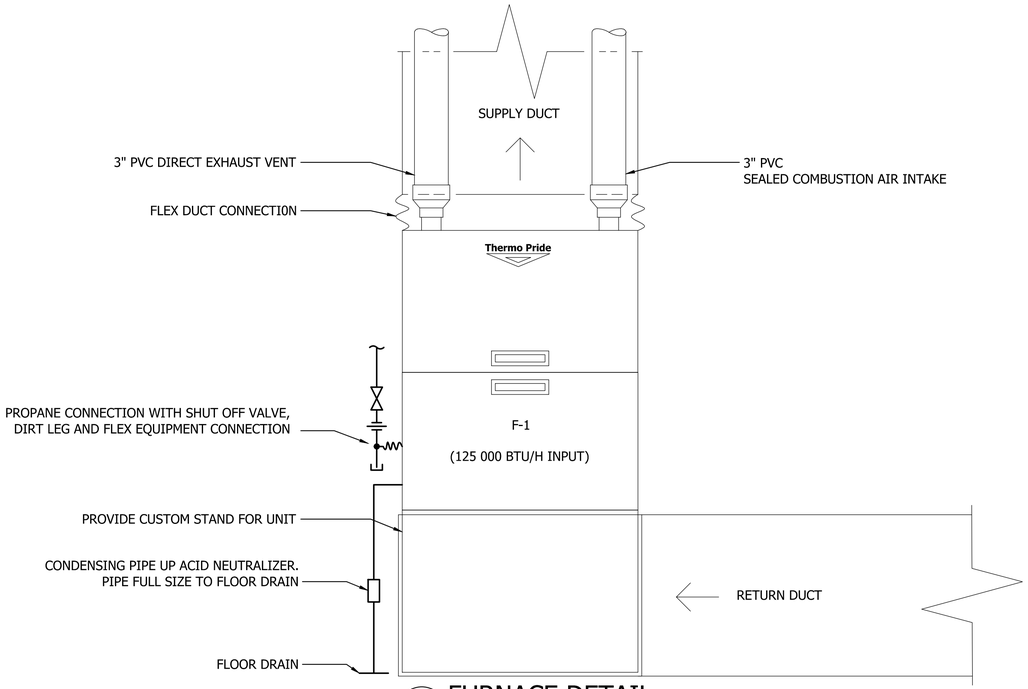
PARK FILE#



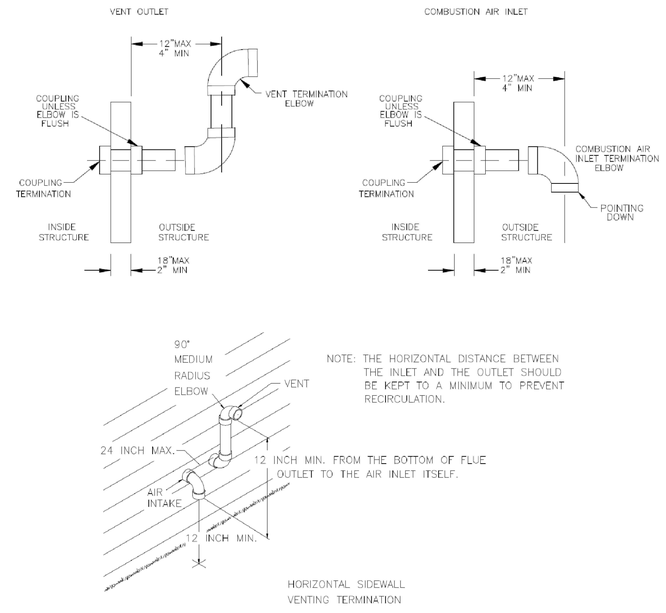
1 FLOOR DRAIN DETAIL
SCALE: NONE



2 WATER HEATER DETAIL
SCALE: NONE



3 FURNACE DETAIL
SCALE: NONE



4 SIDE WALL DIRECT VENT TERMINATION DETAIL
SCALE: NONE

CAD NO. F600-D1825-C04-2022-M3.01

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JH	08/28/2024
DRAWN	IK	08/28/2024
CHECKED (FIELD)	JH	08/28/2024
CHECKED (HDQTS.)		

JOHN DEAN HUNT — STATE OF WASHINGTON — 31885 — REGISTERED PROFESSIONAL ENGINEER
08-28-2024
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

MECHANICAL & PLUMBING DETAILS

M3.01

SCALE
NONE

PARK FILE#

(N) DUCT INSULATION SCHEDULE

DUCT TYPE	DUCT LOCATION	R VALUE	INSULATION TYPE	NOTES
SUPPLY, RETURN	UNCONDITIONED SPACE	R-6	2" MINERAL OR GLASS FIBER BLANKET	4
SUPPLY, RETURN	OUTSIDE OF BUILDING ENVELOPE, INCLUDING ATTIC, GARAGE, CRAWL SPACE	R-8	MINERAL OR GLASS FIBER BLANKET	1
SUPPLY, RETURN	INTERIOR EXPOSED DUCTWORK IN CONDITIONED SPACE	--	NO INSULATION REQUIRED (PAINT TO OWNER SPEC.)	3
SUPPLY, RETURN	UNCONDITIONED SPACE, AIR INSIDE DUCT IS WITHIN 15°F OF THE AMBIENT TEMPERATURE	R-3.3	MINERAL OR GLASS FIBER BLANKET	4
SUPPLY, RETURN	IN BUILDING ENVELOPE ASSEMBLY	R-6	2" MINERAL OR GLASS FIBER BLANKET	4
SUPPLY AIR	WITHIN CONDITIONED SPACE, SUPPLY AIR <55°F OR >105°F	R-3.3	MINERAL OR GLASS FIBER BLANKET	4
SUPPLY AIR	WITHIN CONDITION SPACE, DIRECTLY SERVES SUPPLY AIR <55°F OR >105°F	--	NO INSULATION REQUIRED	
OUTSIDE AIR	INSIDE CONDITIONED SPACE, <2800 CFM	R-7	MINERAL OR GLASS FIBER BLANKET	2, 4
RETURN, EXHAUST	WITHIN CONDITION SPACE, DOWNSTREAM OF ENERGY RECOVERY, UPSTREAM OF AUTOMATIC SHUTOFF DAMPER	R-8	MINERAL OR GLASS FIBER BLANKET	1
RELIEF, EXHAUST	CONDITIONED SPACE, DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER	R-16	MINERAL OR GLASS FIBER BLANKET	

NOTES:
1. INSULATE BUILDING ENVELOPE DUCTS IN ACCORDANCE WITH REQUIREMENTS FOR OPAQUE WALLS PER WASHINGTON STATE ENERGY CODE.
2. OUTSIDE AIR DUCTS SERVING SUPPLY AIR UNITS WITH LESS THAN 2800 CFM OF TOTAL SUPPLY AIR CAPACITY SHALL BE INSULATED WITH R-7.
3. DO NOT INSULATE INTERIOR EXPOSED SUPPLY DUCTWORK IN CONDITIONED SPACE.
4. VAPOR BARRIER IS REQUIRED AND SHALL BE ALUMINUM FOIL JACKET UNLESS OTHERWISE NOTED.

(N) PLUMBING FIXTURE SCHEDULE

MARK	ITEM	MFR / MODEL	DESCRIPTION	CW	HW	WASTE	VENT	NOTES
P-1	WATER CLOSET	AMERICAN STANDARD 2467.016	PRESSURE-ASSISTED TOILET, ELONGATED BOWL, FLOOR MOUNT, 1.6 GPF, VITREOUS CHINA WHITE, ADA COMPLIANT. PROVIDE WITH AMERICAN STANDARD #5321.001 EVERCLEAN TOILET SEAT.	1/2"	--	4"	2"	--
P-2	LAVATORY SINK	KOHLER K-2202	BROOKLINE SELF-RIMMING LAV SINK WITH OVERFLOW, 4" CENTER, VITREOUS CHINA WHITE ADA COMPLIANT.	1/2"	1/2"	1-1/2"	1-1/2"	2,4
	LAVATORY FAUCET	CHICAGO FAUCETS 2201-4E2805ABCP	DECK MOUNTED MANUAL SINK FAUCET, 4" CENTER WITH POP-UP DRAIN, VANDAL PROOF, O.5 GPM, ADA COMPLIANT.					
P-3	NOT USED.	NOT USED.	NOT USED.	3/4"	3/4"	3"	1-1/2"	--
	NOT USED.	NOT USED.	NOT USED.					
P-4	FLOOR DRAIN	J.R. SMITH 2005Y	FLOOR DRAIN, CONNECT TO WASTE & VENT LINES. PROVIDE WITH TRAP PRIMER.	--	--	2"	1-1/2"	5

GENERAL NOTES:
A. PROVIDE STOPS (1/4 TURN) AT ALL FIXTURE SUPPLY LINE CONNECTIONS.

PLUMBING FIXTURE SCHEDULE NOTES.
1. NOT USED.
2. INSTALL ADA UNDER SINK FITTING INSULATION KITS ON FIXTURES FOR PEOPLE WITH DISABILITIES. TRUEBRO LAV GUARD OR EQUAL.
3. NOT USED.
4. PROVIDE WITH CONCEALED ARM CARRIER.
5. PROVIDE (N) TRAP PRIMER.

PIPE INSULATION SCHEDULE

PIPE APPLICATION	NOMINAL PIPE SIZE: < than 1"	1" TO < 1-1/2"	1-1/2" TO < 4"	4" TO < 8"	INSULATION TYPE	NOTES
	INSULATION THICKNESS (in.)					
DOMESTIC COLD WATER	1/2	1/2	1/2	1/2	FIBERGLASS WITH KRAFT PAPER JACKET OR ARMACELL	1
DOMESTIC HOT WATER	1"	1-1/2"	--	--	FIBERGLASS WITH KRAFT PAPER JACKET OR ARMACELL	1

NOTES:
1. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INSULATION REQUIREMENTS.

(N) NEW DIFFUSER/GRILLE SCHEDULE (A) (B)

MARK	TYPE	MAKE / MODEL	DESCRIPTION	NOTES
A	GRILLE	TITUS/350-RL	HARD CEILING GRILLE	

GENERAL NOTES:
(A) SEE PLANS FOR DIFFUSER SIZES.
(B) COORDINATE COLOR WITH ARCHITECT.

NOTES:
1.

(N) FURNACE SCHEDULE

MARK	MAKE	MODEL	LOCATION	DESCRIPTION	INPUT BTUH	OUTPUT BTUH	SA (CFM)	RA (CFM)	FLUE DIA. (in.)	AFUE %	VOLT/ PHASE	HP	KW	AMPS	SIZE WxDxH (in.)	WEIGHT lbs.	NOTES
F-1	THERMO -PRIDE	CLQS1-125T60N	MEZZANINE ABOVE BATHROOM	SINGLE STAGE CONDENSING GAS QUADPOISE FURNACE WITH ECM-CT BLOWER MOTOR	125,000	120,000	1882	1882	3	95	120/1	3/4	1.14	9.5	24-1/2x28-1/2x34-1/2	196	1,2

NOTES:
1. PROVIDE ACID NEUTRALIZER SUMP FOR CONDENSATE.
2. PROVIDE WITH PROGRAMMABLE THERMOSTAT.

(N) EXHAUST FAN SCHEDULE

MARK	MAKE	MODEL	LOCATION	DESCRIPTION	AIRFLOW (CFM)	ESP (IN W.C.)	VOLT/ PHASE	HP	RPM	NOMINAL EFFICENCY	KW	HEIGHT (in.)	WIDTH (in.)	DEPTH (in.)	WEIGHT (lbs.)	NOTES
EF-1	GREENHECK	SQ-80-VG6X-QD	MEZZANINE ABOVE BATHROOM	CENTRIFUGAL, INLINE EXHAUST FAN	190	0.5	120/1	1/6	1550	85	0.13	15	15	16	38	

NOTES:
1. PROVIDE WITH TIMECLOCK CONTROL.

(N) LOUVER SCHEDULE

MARK	SERVES	MANUFACTURER / MODEL	AIRFLOW (CFM)	FREE AREA (sq. ft.)	VELOCITY (ft./min.)	PRESS. DROP (in. w.c.)	PHYSICAL: WIDTH (in.)	HEIGHT (in.)	DEPTH (in.)	WEIGHT (lbs.)	NOTES
LV-1	EXHAUST FAN EF-1	RUSKIN/elf6375DX/ELF6375DXH	190	0.36	544.6	0.035	12	12	6	4	1

GENERAL NOTES:
A. ALL LOUVERS SHALL BE DRAINABLE WITH DRAIN GUTTER IN EACH BLADE TO MINIMIZE WATER CASCADE BETWEEN BLADES.
B. ALL LOUVERS SHALL BE PROVIDED COMPLETE WITH 3/4" SPACING BIRD SCREENS.
C. COORDINATE COLOR WITH ARCHITECT. PROVIDE WOOD EXTERIOR CASING.

NOTES:
1. PROVIDE COMPLETE WITH CLASS 1 MOTORIZED DAMPER.
2. NOT USED.

(N) PROPANE WATER HEATER SCHEDULE

MARK	MANUFACTURER / MODEL	DESCRIPTION	BTU/h	ENERGY FACTOR	HOT / COLD WATER CONNECTION (in.)	GAS CONNECTION (in.)	VOLTS / PHASE	AMPS	HEIGHT (in.)	WIDTH (in.)	DEPTH (in.)	WEIGHT (lbs.)	NOTES
WH-1	AO SMITH AOSRG46836/ ATI-140H-P	TANKLESS PROPANE WATER HEATER	120,000	0.90	3/4"	1/2"	120/ 1	1.94	23	14	11	54	

NOTES:
1. NOT USED.

CAD NO. F600-D1825-C04-2022-M4.01

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JH	08/28/2024
DRAWN	IK	08/28/2024
CHECKED (FIELD)	JH	08/28/2024
CHECKED (HDQTS.)		

JOHN DEAN HUEY — STATE OF WASHINGTON — 31885 — REGISTERED PROFESSIONAL ENGINEER
08-28-2024
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

MECHANICAL & PLUMBING SCHEDULES

M4.01

SCALE
NONE

PARK FILE#

ELECTRICAL NOTES

General

1. All work to conform to all locally adopted codes including the 2021 International Building Codes, 2021 National Electric Codes, all City, County and State Codes including locally adopted amendments to the National Codes and the 2021 Washington State Energy Code.
2. The Contractor shall visit the site prior to submitting a bid and note all conditions affecting his work. No extras will be allowed for coordination or relocation of existing conditions not shown on the drawings. Bids shall serve as evidence of knowledge of existing conditions.
3. Secure and pay for all required permits, fees and inspection certificates.
4. Furnish all labor, materials, equipment and tools to perform electrical work shown, noted or scheduled for a complete and finished installation.
   a. All materials and equipment shall be commercial grade and shall carry a U.L. label.
   b. Materials, products and equipment, including all components thereof, shall be new and such as appear on the Underwriters Laboratories List of Approved Items and shall meet requirements of ASTM, IEEE, IPCEA, NEC, NEMA, RLM, CEM and other recognized standards and shall be sized in conformity with requirements of the 2021 National Electrical Code and other applicable codes, whichever are more stringent.
5. It is the intent that this work shall be complete in every respect and that any material or work not specifically mentioned or shown on the drawings, but necessary to fully complete the work shall be furnished by this Contractor without extra charge.
6. Use sufficient journeymen, workmen, and competent supervisors in the execution of this work to ensure proper and adequate installation manpower to meet the construction schedule.
7. The word "provide" as used herein means to furnish and install complete.
8. Submit material lists, product data and shop drawings for equipment to the Engineer for approval. Submittals shall include all data, information and dimensioned drawings required by the Engineer to determine the correct product is being provided for the project. Data sheets that include products not part of the project shall have required products highlighted to make it obvious of the product being provided. Substitutions shall be clearly listed on a cover letter stating the reason for the substitution (product no longer made, product has a longer ship time than the duration of the project from project start date to project completion date, no other substitutions are acceptable). Provide an electronic submittal in .pdf format. All submittals shall be stamped by the Contractor
9. Cutting and Patching:
   a. Do all cutting and patching required to install materials and systems specified and shown on
   b. Cutting shall be done in a neat and workman like manner limiting scope to only that which is necessary to accomplish the new work. Remove all cut material from site. Patch to match existing.
   c. Do no cutting or drilling of structural members or slabs without permission of the Owner.
   d. Take precautions to protect building, contents and occupants and repair or replace all damage to building and its contents.
   e. Sleeves shall extend at least 2" above finished floor.
   f. All sleeves, openings, etc., through fire rated walls and floors shall be sealed to retain their fire rating.
10. Guarantee:
    a. Materials, equipment and installation shall be guaranteed for a period of one (1) year from date of acceptance. Defects which appear during that period shall be corrected at this Contractor's expense.
    b. For the same period, Electrical Contractor shall be responsible for any damage to premises caused by defects in workmanship or in the work or equipment furnished and/or installed by him.
11. The drawings and devices shown are generally diagrammatic. Complete details of the building which affect the installation are not shown. Contractor to provide complete systems as shown on the drawings. The exact location of all work is to be verified in the field. Bring conflicts to the Engineers attention for resolution prior to rough-in. Relocations required due to conflicts shall be
12. Protection:
    a. Use all means necessary to protect materials, before, during and after installation and to protect the installed work of other trades
    b. Contractor shall be responsible for damages caused by their work to the work of other trades, and shall make, or pay for, all necessary repairs to restore damage to new condition at no cost to
    c. In the event of damage, immediately make all repairs and replacements necessary to the satisfaction of the Owner and at no additional cost to the Owner.
13. Provide final as-built drawings and maintenance manuals.

Products

1. Conduit shall be standard steel Rigid (RGC), IMC or EMT according to Code requirements. Conduit shall be concealed in finished areas, except as otherwise approved by Engineer. RNC is allowed underground only.
   a. Minimum sizes of conduits shall be 3/4".
   b. Electric Metallic Tubing (EMT) shall be galvanized or electro-galvanized. Fittings shall be of the steel set screw type. EMT shall be used for feeders and branch circuits run above suspended ceilings or concealed in interior partitions.
   c. Conduit shall not be installed in poured concrete slabs or walls without written permission from the Architect. IMC or RNC may be used in poured concrete slabs and walls.
   d. Flex metal conduit to be used only for short (less than 4 feet) connections to fixtures and equipment as permitted by Code.
   e. No conduit to be run in ductwork.
2. Wire shall be single conductor copper with 600 volt insulation. #10 and smaller shall be solid. #8 and larger shall be stranded. Minimum wire size shall be #12 except #14 may be used for control. All wire and cable shall be new and shall be brought to the site in unbroken packages. All wiring of any type shall be in conduit.
   a. Aluminum conductors are not permitted.
   b. General wiring shall be THHN.
   c. Splices are not allowed.
   d. Wire connectors shall be equal to Scotchlock for #8 and smaller and T & B "Lock-Tite" for #6 and larger.
3. Grounding shall be less than 5 Ohms to Ground. Provide testing results and method used for testing from a qualified electrical testing company. Grounding shall meet all local, state and NEC requirements.
4. All line and low voltage power and control wiring including temperature control, connections to motors, dampers, installation of thermostats, interlocking, etc., except that which is specifically noted as being by Mechanical Contractor, shall be provided by Electrical Contractor.
5. Lighting fixtures, including lamps, shall be furnished as indicated on electrical plan. Electrical Contractor shall install all fixtures and lamps. Ballast/lamp combinations, input watts and output watts shall be listed on the lighting submittal package.
6. Wiring Devices:
   a. Color of wiring devices shall be selected by the Architect.
   b. Receptacles shall be 20A-125V - 3-wire grounding type equal to Leviton 5362 and of type required (GFI, Tamperproof, Isolated Ground, TVSS, Single Outlet, Duplex, Quad, etc.) for
   c. Switches shall be Specification Grade rated 20A at 120 volt Leviton 1221 and of type required (3-way, 4-way, pilot light, etc.) for application and nomenclature.
   d. Special devices shall be Heavy Duty Industrial and Federal Specification grade.
   e. Provide nylon cover plates for all devices.
7. Electrical Panels and Switchboards shall be copper bus, fully rated and have bolt on circuit breakers. Piano hinged covers shall be key locking door in door construction. Panels shall be manufactured by Square D, OR EATON.
8. Provide safety and disconnect switches; fused or non-fused as called for on drawings and as required by Code. Switches shall be heavy duty, load and horsepower rated as manufactured by Square D, EATON or General Electric.
9. Outlet boxes and covers shall be galvanized, one-piece, pressed steel knockout type.
10. Junction, pull boxes and covers shall be galvanized steel, code gauge size.
11. Labeling: All panels shall be labeled. Black Lamicore tags w/ white letters, engraved with

Execution

1. The location of outlets and equipment shown on the drawings is approximate and the Engineer shall have the right to relocate any outlets or fixtures before they are installed without additional cost.
2. All electric work shall be installed so as to be readily accessible for operating, servicing, maintaining and repairing. Hangers shall include all miscellaneous steel, such as channels, rods, etc., necessary for the installation of work and shall be fastened to steel, concrete or masonry, but not to piping. All conduit shall be concealed where possible. Exposed conduits shall be in straight lines parallel with or at right lines wherever they run alongside or across such lines. Conductors shall be in conduit, wireways, or approved raceways.
3. Prior to any work or fabrication, carefully inspect the surrounding conditions and verify that all such conditions are compatible to the point where this installation may commence.
4. Record drawings shall be kept on site and updated daily. Provide measurement to all underground and concealed work.

End of Electrical Notes.

LIGHTING

- LIGHT FIXTURE
- LIGHT FIXTURE WITH BATTERY
- STRIP FIXTURE.
- STRIP FIXTURE, WITH BATTERY.
- FIXTURE.
- WALL MOUNTED FIXTURE.
- CEILING MOUNT EXIT SIGN PROVIDE ARROWS PER PLAN.
- WALL MOUNTED EXIT SIGN.
- INCANDESCENT OR H.I.D. FIXTURE.
- LETTER DENOTES FIXTURE TYPE.
- RECESSED FIXTURE.
- WALL MOUNTED INCANDESCENT FIXTURE.

MISCELLANEOUS

- SLASH MARK INDICATE WORK TO BE REMOVED AND/OR DEMOLISHED
- LIGHT LINE ITEMS ARE EXISTING
- DARK LINE ITEMS ARE NEW

POWER

- POWER PANEL. (FLUSH MOUNTED)
- POWER PANEL. (SURFACE MOUNTED)
- MOLDED CASE CIRCUIT BREAKER

DEVICES

- DUPLEX RECEPTACLE WP INDICATES WEATHER PROOF COVER. GFI INDICATES GROUND FAULT INTERUPTER. TP INDICATES TAMPER RESISTANCE.
- FOURPLEX RECEPTACLE
- SINGLE RECEPTACLE
- PULL BOX OR JUNCTION BOX, SIZE PER NEC
- FUSED DISCONNECT
- NON-FUSED DISCONNECT.
- EQUIPMENT CONNECTION
- PULL BOX OR JUNCTION BOX, SIZE PER NEC
- LIGHTING SWITCH
- LOWER CASE LITTER INDICATES SWITCH LEG.
- THREE WAY SWITCH
- FOUR WAY SWITCH
- LIGHT DIMMER
- TRANSFORMER, NUMBER INDICATES KVA
- SPECIAL PURPOSE OUTLET.
- WALL MOUNT MOTION SENSOR
- CEILING MOUNT MOTION SENSOR

CONDUIT

- CONDUIT
- FLEXIBLE CONDUIT
- CONDUIT RUN BELOW FLOOR OR BELOW GRADE.
- DENOTES HOME RUN TO PANEL "A" - NUMERALS DENOTE CIRCUIT BREAKER #. SLASH MARKS INDICATE # OF WIRES. CURVED SLASH INDICATES INSULATED GROUND. IF NO SLASH MARKS ARE SHOWN, PROVIDE WIRES AS REQUIRED.
- CONDUIT STUB UP
- CONDUIT STUB DOWN

SHEET INDEX

CAD NO. F600-D1825-C04-2022-E0.00

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JH	08/28/2024
DRAWN	IK	08/28/2024
CHECKED (FIELD)	JH	08/28/2024
CHECKED (HDQTS.)		

JOHN DEAN HUNT — STATE OF WASHINGTON — 31885 — REGISTERED PROFESSIONAL ENGINEER

08-28-2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

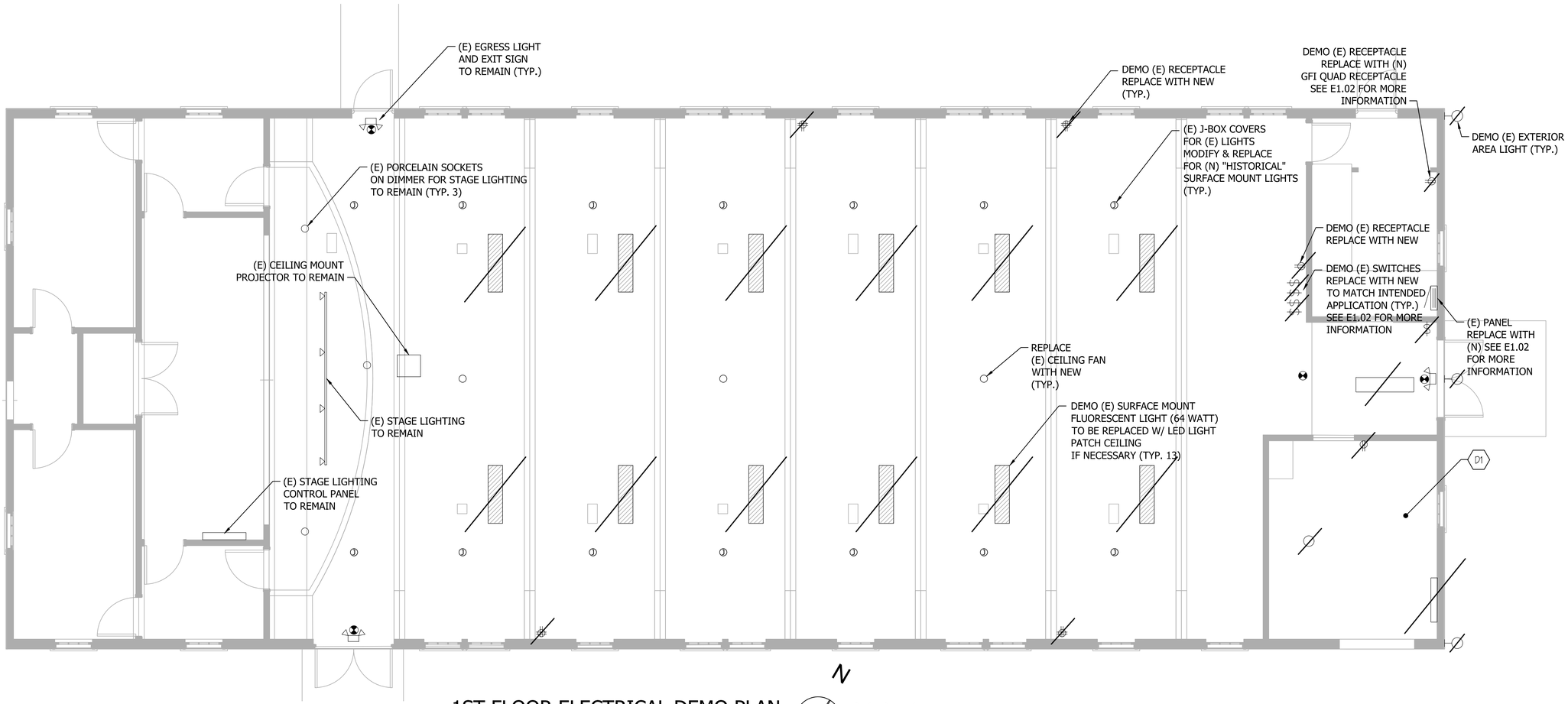
THEATER REHABILITATION PROJECT

ELECTRICAL LEGEND & NOTES

E0.00

SCALE NONE

PARK FILE#



1ST FLOOR ELECTRICAL DEMO PLAN

1/4"= 1'-0"

0 1 2 4

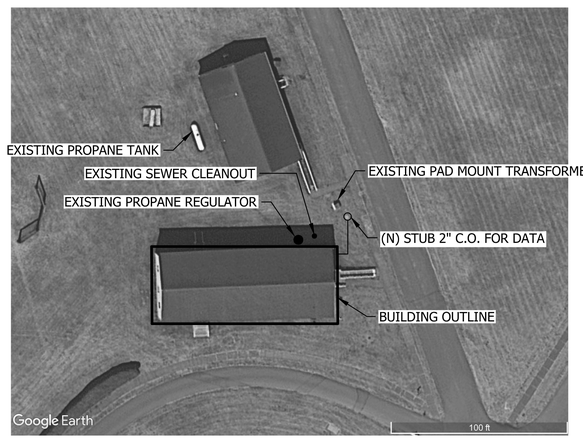
SCALE 1/4"=1'-0"

DEMOLITION NOTES

D1 DEMO (E) RECEPTACLES, SWITCHES AND OTHER DEVICES AND ASSOCIATED CONDUIT.

GENERAL DEMOLITION NOTES

1. PRIOR COMMENCING ANY WORK, FIELD VERIFY ALL WIRING AND NOTE ALL VERIFIED CIRCUIT NUMBERS FOR RECONNECTION TO (N) PANEL (SEE E1.02 & E2.01 FOR MORE INFORMATION).



SITE PLAN

1"=30'-0"

0 5 15 30

SCALE 1"=30'-0"

SHEET 27 OF 29

CAD NO. F600-D1825-C04-2022-E1.01

DATE	APP.	INT.	REVISIONS	NO.

ACTION	BY	DATE
DESIGNED	JH	08/28/2024
DRAWN	IK	08/28/2024
CHECKED (FIELD)	JH	08/28/2024
CHECKED (HDQTS.)		

JOHN DEAN HUNT
STATE OF WASHINGTON
31885
REGISTERED PROFESSIONAL ENGINEER
08-28-2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

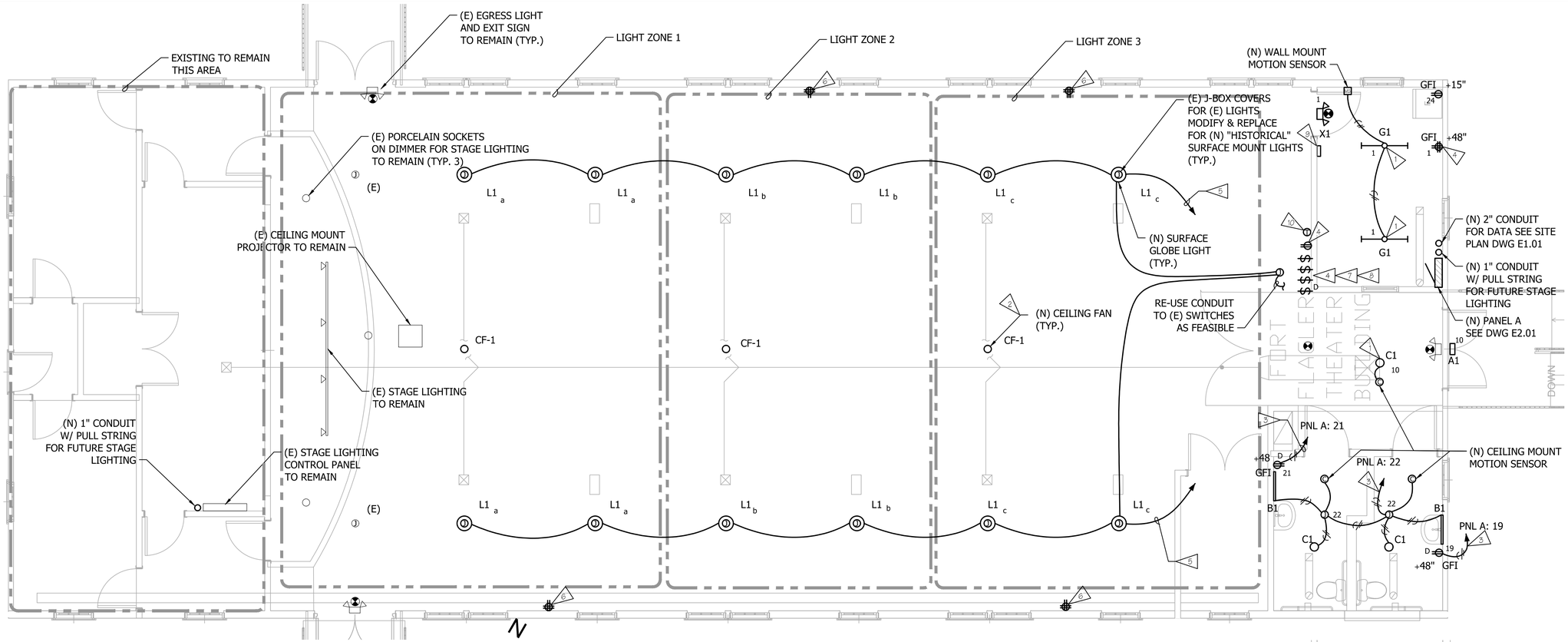
1ST FLOOR ELECTRICAL DEMO & SITE PLANS

E1.01

SCALE

AS SHOWN

PARK FILE#



1ST FLOOR POWER & LIGHTING PLAN

1/4"= 1'-0"

0 1 2 4

SCALE 1/4"=1'-0'

LIGHTING FIXTURE SCHEDULE

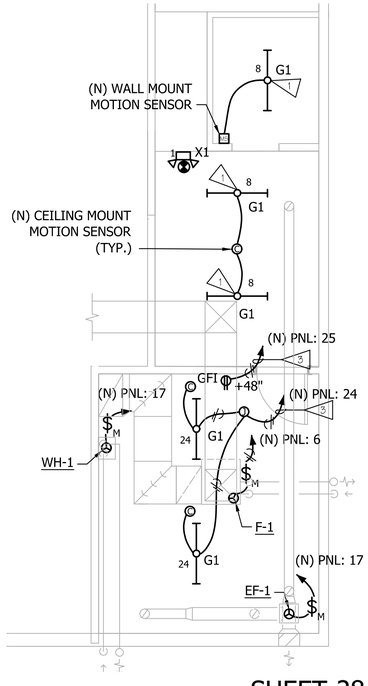
MARK	DESCRIPTION	MANUFACTURER / MODEL	LAMP	VOLTS	LUMENS	INPUT WATTS	NOTES
A1	EXTERIOR BUILDING WALL PACK RWL1 30K 70CRI LED WITH DAYLIGHT SENSOR AND BATTERY BACK UP FOR EMERGENCY COMPLIANCE	HUBBLLE/RWL1	LED	120	1303	10.1	
B1	CB3142 VANITY LIGHT	VISA LIGHTING/CB3142	LED	120	2306	28.3	
C1	LDN4 35 15 L04AR LD, DOWN LIGHT, WHITE APERTURE & REFLECTOR FLANGE, HARD CEILING MOUNT	LITHONIA/LDN4	LED	120	1336	17.5	
G1	ZL1N STRIP LIGHT L24 FST MVOLT 35K, 80 CRI, STRIP LIGHT	LITHONIA/ZL1N	LED	120	3500	31.25	
L1	SCHOOLHOUSE GLOBE 18" SUSPENDED PENDANT	VISA LIGHTING/CP4517	LED	120	4830	37.2	1
CF-1	SUNSEEKER 60" 5-BLADE CEILING FAN IN SMOKED IRON FINISH	MINKA/F532-SI	--	120	--	11.16	1
X1	EXIT/EGRESS COMBINED WALL MOUNT FIXTURE WITH EMERGENCY BATTERY PACK	LITHONIA/LHQM	LED	120	--	3	

GENERAL NOTES:
A. SEE WSEC LIGHTING COMPLIANCE REPORT ATTACHED.

NOTES:
1. COORDINATE COLOR OF FIXTURE WITH ARCHITECT.

CONSTRUCTION NOTES

1. REMOVE (E) LIGHTS & REPLACE WITH NEW. CONNECT TO (E) CIRCUIT.
2. RE-CONNECT (N) CF-1 TO (E) WIRING (TYP.).
3. (E) CONDUIT HOME RUN TO PANEL CAN BE RE-USED IF FEASIBLE. OTHERWISE, PROVIDE (N) HOME RUM TO PANEL.
4. RE-CONNECT TO (E) WIRING.
5. RE-CONNECT TO (E) CIRCUIT.
6. REMOVE (E) CONDUIT TO BELOW THE FLOOR. CUT THE WALL FOR (N) RECESS BOX. RE-DIRECT (N) CONDUIT TO RECESS BOX IN WALL AND CONNECT TO (E) CONDUIT IN CRAWL SPACE. PULL (N) WIRE (#12 THWN) IN CONDUIT SYSTEM BACK TO PANEL. PATCH THE WALL & FLOOR TO MATCH (E) SURFACE.
7. PRIOR COMMENCING ANY WORK, FIELD VERIFY ALL WIRING. WIRING FOR EXISTING DEVICES THAT REMAIN SHALL BE PROTECTED & RECONNECTED TO NEW SWITCHES.
8. PROVIDE (N) DIMMING SWITCHES AS REQUIRED FOR SWITCH LEGS a, b, & c.
9. PROVIDE CONNECTION TO TIMECLOCK.
10. PROVIDE POWER TO THERMOSTAT.



MEZZANINE POWER & LIGHTING PLAN

1/4"= 1'-0"

0 1 2 4

SCALE 1/4"=1'-0'

SHEET 28 OF 29

CAD NO. F600-D1825-C04-2022-E1.02

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JH	08/28/2024
DRAWN	IK	08/28/2024
CHECKED (FIELD)	JH	08/28/2024
CHECKED (HDQTS.)		

JOHN DEAN HUNT
STATE OF WASHINGTON
31885
REGISTERED PROFESSIONAL ENGINEER
08-28-2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

1ST FLOOR & MEZZANINE POWER & LIGHTING PLANS & SCHEDULES

E1.02

SCALE

AS SHOWN

PARK FILE#

DEMO EXISTING PANEL

NORMAL POWER PANEL EXIST SCHEDULE (EXISTING)
FED FROM: 100 AMPS MAINS: MCB 120/240 VOLTS 1 PH 3 WIRE
LOCATION: 10,000 AIC SURF MOUNT

code	NOTES	NO	Breaker Pole	DESCRIPTION	LOAD IN VA A	LOAD IN VA B	DESCRIPTION	Breaker Pole	NO	NOTES	code
R		1	20 / 1	STORAGE RM LITE/ SPTAGE PLUGS			EAST RM LIGHTS	15 / 1	2		L
R		3	20 / 1	STAGE OUTLETS			WEST RM LIGHTS	15 / 1	4		L
L		5	20 / 1	BACK STAGE LIGHTS			FURNACE	20 / 1	6		AC
L		7	20 / 1	FRONT STAGE LIGHTS			EXISTING LIGHTS	15 / 1	8		L
L		9	20 / 1	FOOT LIGHTS (BLUE)			ENTRANCE LIGHTS	20 / 1	10		L
L		11	20 / 1	FOOT LIGHTS (RED)			FOOT LIGHTS (WHITE)	15 / 1	12		L
R		13	20 / 1	THEATHER RM PLUGS			EXIST LIGHTS/ FRONT ENTRANCE	20 / 1	14		L
AC		15	20 / 1	CEILING FANS			EMERGENCY LIGHTS FRONT/BACK	20 / 1	16		L
X		17	20 / 1	SPARE			18 A/V SUB PANEL	30 / 2	18		L
X		19	20 / 1	SPARE				XX / X	20		L
				PHASE TOTALS - VA			TOTAL VA		**Demand**		
				PHASE TOTALS - AMPS			TOTAL AMPS 0		**Demand** 0		

Notes:
END OF NOTES.

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

EQUIP ID	DESCRIPTION	HP	kW	VOLTS / PHASE	MCA	MOP	STARTER NEMA SIZE [A]	DISCONNECT SW / FUSE [A]	WIRE / CONDUIT	PANEL / CIRCUIT	NOTES
F-1	SINGLE STAGE CONDENSING GAS QUADPOISE FURNACE	3/4	1.14	120/1	--	15	--	MS	--	NEW PANEL A/6	1
EF-1	EXHAUST FAN	1/6	0.13	120/1	--	--	--	MS	--	NEW PANEL A/17	
WH-1	TANKLESS PROPANE WATER HEATER	--	0.23	120/1	--	--	--	MS	--	NEW PANEL A/17	

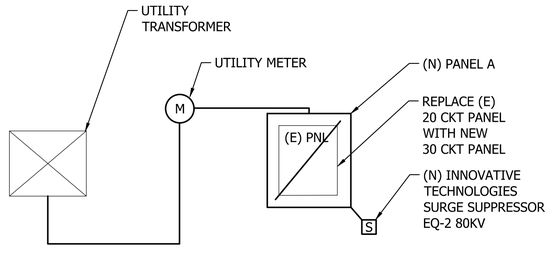
GENERAL NOTES:
[A] MS = MANUAL MOTOR STARTER, VFD = VARIABLE FREQUENCY DRIVE. SW = KS STYLE DISCONNECT. FS - FUSED SWITCH.
NOTES:
1. RE-USE CONDUIT HOME RUN TO PANEL IF FEASIBLE.

NEW PANEL

NORMAL POWER PANEL A SCHEDULE (NEW)
FED FROM: 100 AMPS MAINS: MCB 120/240 VOLTS 1 PH 3 WIRE
LOCATION: STORAGE RM 10,000 AIC SURF MOUNT

code	NOTES	NO	Breaker Pole	DESCRIPTION	LOAD IN VA A	LOAD IN VA B	DESCRIPTION	Breaker Pole	NO	NOTES	code
R		1	20 / 1	STORAGE RM LITE / STAGE PLUGS	100		(N) EAST RM LIGHTS	15 / 1	2		L
R		3	20 / 1	STAGE OUTLETS		100	(N) WEST RM LIGHTS	15 / 1	4		L
L		5	20 / 1	BACK STAGE LIGHTS	1,100		(N) FURNACE	20 / 1	6		AC
L		7	20 / 1	FRONT STAGE LIGHTS			EXISTING LIGHTS	15 / 1	8		L
L		9	20 / 1	FOOT LIGHTS (BLUE)			ENTRANCE LIGHTS	20 / 1	10		L
L		11	20 / 1	FOOT LIGHTS (RED)			FOOT LIGHTS (WHITE)	15 / 1	12		L
R		13	20 / 1	THEATHER RM PLUGS			EXIST LIGHTS / FRONT ENTRANCE	20 / 1	14		L
AC		15	20 / 1	(N) CEILING FANS		200	EMERGENCY LIGHTS FRONT/BACK	20 / 1	16		L
AC		17	20 / 1	(N) EF-1 / (N) WH-1	360		18 A/V SUB PANEL	30 / 2	18		L
R		19	20 / 1	(N) RECEPTACLE GFI BATHROOM		180		XX / X	20		L
R		21	20 / 1	(N) RECEPTACLE GFI BATHROOM	180 / 100		(N) LIGHTS BATHROOM	20 / 1	22		L
R		23	20 / 1	(N) RECEPTACLE GFI MECH MEZZ		180 / 100	(N) LIGHTS MECH MEZZ	20 / 1	24		L
X		24	20 / 1	(N) RECEPTACLE GFI REF. RM 106	500		SPARE	20 / 1	26		X
X		27	20 / 1	SPARE			(N) SURGE SUPRESSOR	30 / 2	28		M1
X		29	20 / 1	SPARE				XX / X	30		M1
				PHASE TOTALS - VA	2,340	760	TOTAL VA 3,100		**Demand** 2,700		
				PHASE TOTALS - AMPS	20	6	TOTAL AMPS 13		**Demand** 11		

Notes:
CONTRACTOR TO UPDATE PANEL SCHEDUE BASED ON AS-BUILT CONDITIONS.



ELECTRICAL ONE-LINE DIAGRAM
SCALE: NONE

SHEET 29 OF 29

CAD NO. F600-D1825-C04-2022-E2.01

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JH	08/28/2024
DRAWN	IK	08/28/2024
CHECKED (FIELD)	JH	08/28/2024
CHECKED (HDQTS.)		

JOHN DEAN HUNT — STATE OF WASHINGTON — 31885 — REGISTERED PROFESSIONAL ENGINEER
08-28-2024
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

FORT FLAGLER STATE PARK

THEATER REHABILITATION PROJECT

ELECTRICAL DIAGRAMS & SCHEDULES

E2.01

SCALE
NONE

PARK FILE#