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

Jason Both 9/18/2024
REGION MANAGER *date*

Kyle Murphy 11/5/2024
CAPITAL PROGRAM MANAGER *date*

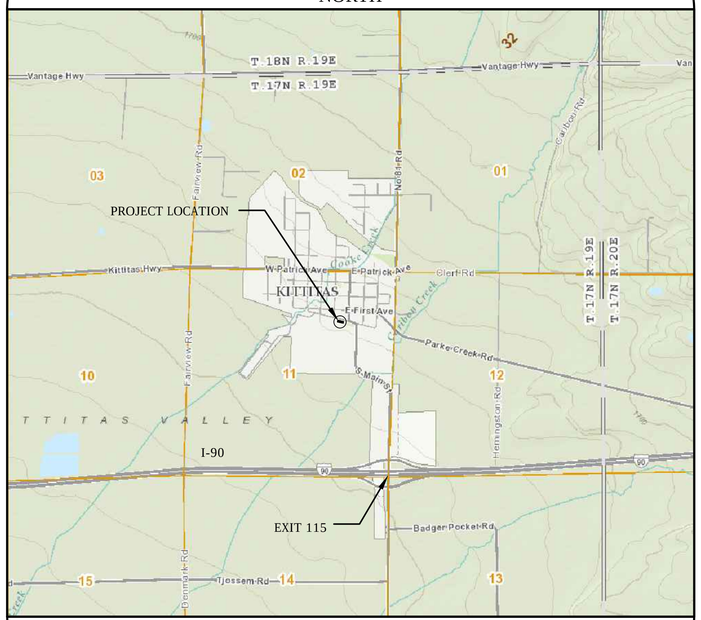
Area Manager: John Ernster

PALOUSE TO CASCADES STATE PARK TRAIL

KITTITAS DEPOT HISTORIC PRESERVATION

VICINITY MAP

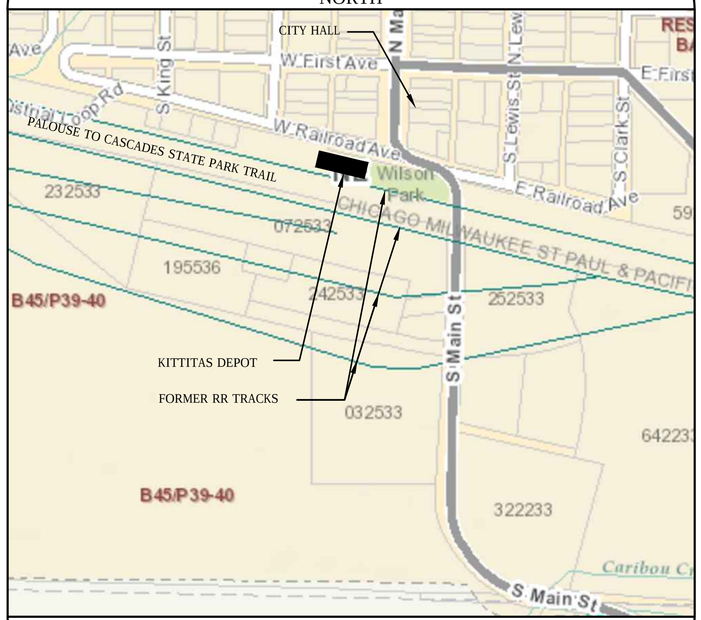
NORTH



LATITUDE N 46 58 55.86 & LONGITUDE W 120 25 3.58

PROJECT LOCATION

NORTH



RAILROAD AVENUE & MAIN STREET # KITTITAS, WA 98926
SEC-11 T-17-N R-19-E
KITTITAS COUNTY TAX PARCEL NUMBER 727736

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PROJECT TEAM

OWNER: STATE OF WASHINGTON
PARKS AND RECREATION COMMISSION
1111 ISRAEL ROAD SOUTHWEST
POST OFFICE BOX 42650
OLYMPIA, WASHINGTON 98504-2650
www.parks.wa.gov

OWNER'S REPRESENTATIVE: WASHINGTON STATE PARKS AND RECREATION COMMISSION
P.O. BOX 42650
OLYMPIA, WA 98504-2650

ALEX MCMURRY
HISTORIC PRESERVATION PLANNER
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PROJECT ARCHITECTURAL AND ENGINEERING CONSULTANTS

ARCHITECT:	HELIX DESIGN GROUP, INC 6021 12TH STREET EAST SUITE 201 TACOMA, WA 98424 www.helixdesigngroup.net	JEFF RYAN PROJECT MANAGER TELEPHONE: (253) 922-9037 jeffr@helixdesigngroup.net
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STRUCTURAL	AHBL 2215 N. 30TH STREET SUITE 300 TACOMA, WA 98403 ahbl.com	DREW MCEACHERN STRUCTURAL ENGINEER TELEPHONE: (253) 383-2422 dmceachern@ahbl.com
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NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JJR	08/09/24
DRAWN	JJR	08/09/24
CHECKED (FIELD)		
CHECKED (HDQTS.)		

6934 REGISTERED ARCHITECT
LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

PROJECT TEAM

GOO2

SCALE
AS SHOWN

PARKS FILE# I500-6619-2024

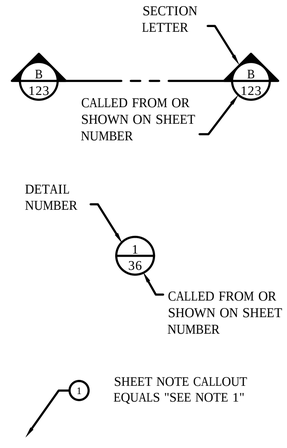
GENERAL NOTES

(D)	DEMOLISH / DEMOLITION
(E)	EXISTING
(F)	FUTURE
(R)	RELOCATE
(r)	REMOVABLE
(S)	SALVAGE
@	AT
A.B.	ANCHOR BOLT
A.F.F.	ABOVE FINISH FLOOR
ABB	ABBREVIATION
ACM	ALUMINUM COMPOSITE MATERIAL WALL PANEL
ACP	ARCHITECTURAL CONCRETE PAVER
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DIABILITIES ACT
ADD'L	ADDITIONAL
ADJ	ADJUSTABLE
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
ALUM	ALUMINUM
AP	ACCORDIAN PARTITION
APC	ARCHITECTURAL POLISHED CONCRETE
AS	ASPHALT SHINGLES
ASMB	ASSEMBLY
AWF	ACOUSTICAL WALL FABRIC
AWP	ARCHITECTURAL WALL PANEL
B	BOLLARD
B.O.F.	BOTTOM OF FOOTING
BB	BACKERBOARD
B.B.	BEADBOARD
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BN	BIRD NETTING
BOT	BOTTOM
BRG	BEARING
BRK	BRICK MASONRY UNIT
BTWN	BETWEEN
C	COMPACT
C.I.	CONTINUOUS INSULATION
C.J.	CONTROL JOINT
C.O.S.	CENTER OF STRUCTURE
CAB	CABINET
CB	CHALKBOARD
CBB	CEMENTITIOUS BACKER BOARD
CER	CERAMIC
CG	CORNER GUARD
CHRL	CHAIR RAIL
CLG	CEILING
CLK	CLINKER TILE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CPT	CARPET
CT	CERAMIC TILE
CU	CUBIC
CV	COVER
CWS	CURTAIN WALL SYSTEM
D	DEPTH
D.F.	DRINKING FOUNTAIN
D.S.	DOWNSPOUT
DBL	DOUBLE
DFT	DRAFTING
DIA	DIAMETER
DML	DECORATIVE METAL LAMINATE
DN	DOWN
DR	DOOR
DTL	DETAIL
DW	DISHWASHER
E.F.	EXHAUST FAN
E.P.	ELECTRICAL PANEL
EA	EACH
EF	EPOXY FLOORING
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELECT	ELECTRICAL
ELEV	ELEVATOR
ENV	ENVELOPE
EPS	EXPANDED POLYSTYRENE RIGID INSULATION
EQ	EQUAL
EQUIP	EQUIPMENT
EXP	EXPANSION
EXT	EXTERIOR
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.H.	FIRE HYDRANT
F.I.C.	FURNISHED AND INSTALLED BY CONTRACTOR
F.I.O.	FURNISHED AND INSTALLED BY OWNER
F.O.I.C.	FURNISHED BY OWNER INSTALLED BY CONTRACTOR
F.O.S.	FACE OF STRUCTURE
F.P.	FLAG POLE
FDN	FOUNDATION
FF	FACTORY FINISH
FH	FULL HEIGHT
FIG	FIGURE
FIN	FINISH
FLR	FLOOR
FP	FIREPROOFING
FRC	FIBER REINFORCED CEMENTITIOUS PANEL
FRL	FIBER REINFORCED LAMINATE
FRMG	FRAMING
FRP	FIBER REINFORCED PANEL
FRSG	FIRE RATED SAFETY GLASS
FRT	FIRE-RETARDANT TREATED
FT	FOOT / FEET
FTG	FOOTING
G.A.	GYPSUM ASSOCIATION
G.F.C.I.	GOVERNMENT FURNISHED CONTRACTOR INSTALLED
G.F.G.I.	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERAL
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GLB	GLUE LAMINATE BEAM
GNT	GRANITE TILE
GSF	GROSS SQUARE FOOTAGE
GT	GROUT
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H.B.	HOSE BIB
H.C.	HANDICAPPED
H.D.	HAND DRYER
HC	HOLLOW CORE
HDR	HEADER
HDW	HARDWARE
HK	HOOK
HLB	HORIZONTAL LOUVER BLINDS
HM	HOLLOW METAL
HMS	HORIZONTAL METAL SIDING
HOR	HORIZONTAL
HR	HOUR
HT	HEIGHT
HWD	HARDWOOD
I.D.	INSIDE DIAMETER
IMP	INSULATED METAL PANEL
INT	INTERIOR
IRGWB	IMPACT RESISTANT GYPSUM WALL BOARD
ISO	POLYISOCYANURATE RIGID INSULATION
JAN	JANITOR
JST	JOIST
JT	JOINT
LAM	LAMINATE
LAV	LAVATORY
LBR	LUMBER
LBS	POUNDS (WEIGHT)
LG	LAMINATED GLASS
LIN	LINOLEUM
LP	LIGHT POLE
LVP	LUXURY VINYL PLANK FLOORING
LVR	LOUVER
LVT	LUXURY VINYL TILE
M	MORTAR
M-R	MOLD RESISTANT
MAS	MASONRY
MAX	MAXIMUM
MB	MARKERBOARD
MC	MEDICINE CABINET
MCP	METAL CEILING PANELS
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MES	MECHANICAL EQUIPMENT SCREEN
MF	METAL FABRICATIONS
MFR	MANUFACTURER
MIN	MINIMUM
MIN.	MINUTE
MIR	MIRROR
MISC	MISCELLANEOUS
MMV	MANUFACTURED MASONRY VENEER
MR	MOISTURE RESISTANT
MRP	METAL ROOFING PANEL
MRS	METAL RAILING SYSTEM
MS	MANUFACTURED SIDING
MSP	METAL SOFFIT PANEL
MSS	METAL STAIR SYSTEM
MT	MOSAIC TILE
MTL	METAL
MV	MASONRY VENEER
MWP	METAL WALL PANEL
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
N/A	NOT APPLICABLE
NO.	NUMBER
NOM	NOMINAL
NSM	NATURAL STONE MATERIAL
NTS	NOTES
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.H.	OVERHEAD
O.R.D.	OVERFLOW ROOF DRAIN
O.R.L.	OVERFLOW ROOF LEADER
O.S.	OVERFLOW SCUPPER
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
OZ	OUNCE
P.A.F.	POWER ACCUATED FASTNER
P.T.	PRESSURE TREATED
PAC	PRECAST ARCHITECTURAL CONCRETE
PCS	PORTLAND CEMENT STUCCO
PCSU	PRECAST CONCRETE SOLID UNIT
PERP	PERPENDICULAR
PFT	PORCELAIN FLOOR TILE
PLAM	PLASTIC LAMINATE
PLY	PLYWOOD
PP	POWER POLE
PS	PROJECTION SCREEN
PSC	PLASTER SKIM COAT OVER CONCRETE
PSF	POUND PER SQUARE FOOT
PSMU	PRECAST STONE MASONRY UNIT
PT	PAINT
PTD	PAPER TOWEL DISPENSER
PTDWR	PAPER TOWEL DISPENSER WASTE RECEPTACLE
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS
R.	RISER
R.D.	ROOF DRAIN
R.L.	ROOF LEADER
R.O.	ROUGH OPENING
R.O.W.	RIGHT OF WAY
RB	RUBBER BASE
RCD	ROLLING COUNTER DOOR
REF	REFRIGERATOR
REINF	REINFORCED
REQD	REQUIRED
RF	RUBBER FLOORING
RLT	RELITE
RS	ROUGH SAWN
RSD	ROLLING SERVICE DOOR
RSW	ROUGH SAWN WOOD
RTU	ROOF TOP UNIT
S.D.	SOAP DISPENSER
S.O.G.	SLAB ON GRADE
SAE	SLIDING AUTOMATIC ENTRANCE
SC	SOLID CORE
SCH	SCHEDULE
SCR	SHOWER CURTAIN ROD
SD	SECTIONAL DOORS
SDG	SIDING
SDT	STATIC DISSIPATED TILE
SF	SQUARE FOOT
SFS	STOREFRONT SYSTEM
SG	SAFETY GLASS
SGS	SECURITY GRILLE SYSTEM
SH	SOAP HOLDER
SHC	SHOWER CURTAIN
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SJ	SEISMIC JOINT
SLR	SEALER
SLS	SKYLIGHT SYSTEM
SMU	STONE MASONRY UNIT
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SNTD	SANITARY NAPKIN AND TAMPON DISPENSER
SPEC	SPECIFICATIONS
SPGL	SPANDREL GLASS
SPMR	SINGLE-PLY MEMBRANE ROOFING
SQ	SQUARE
SS	STAINLESS STEEL
SSM	SOLID SURFACE MATERIAL
SSMR	STANDING SEAM METAL ROOFING
ST	STONE
STD	STANDARD
STL	STEEL
STN	STAIN
SV	SHEET VINYL
T	TREAD
T&G	TONGUE AND GROOVE
T.B.	TOWEL BAR
T.I.	TENANT IMPROVEMENT
T.O.	TOP OF
T.O.B.	TOP OF BEARING
T.O.F.	TOP OF FLOOR
T.O.W.	TOP OF WALL
T.S.C.D.	TOILET SEAT COVER DISPENSER
TB	TACKBOARD
TBB	TILE BACKERBOARD
TC	TOILET COMPARTMENTS
TCP	TILT-UP CONCRETE PANEL
TEMP	TEMPORARY
TFR	TRANSFORMER
THK	THICK
THML	THERMAL
TL	TILE
TPD	TOILET PAPER DISPENSER
TRTD	TREATED
TS	TUBE STEEL
TWF	TACKABLE WALL FABRIC
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
UNFIN	UNFINISHED
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VMS	VERTICAL METAL SIDING
VP	VENEER PLASTER
W	WIDTH
W.C.	WATER CLOSET
W.W.F.	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT
WAIN	WAINSCOT
WB	WHITEBOARD
WC	WALL COVERING
WD	WOOD
WF	WOOD FLOORING
WG	WIRE GLASS
WH	WATER HEATER
WIN	WINDOW
WOM	WALK OFF MAT
WP	WORK POINT
WRB	WEATHER RESISTIVE BARRIER
WRGWB	WATER RESISTANT GYPSUM WALLBOARD
WS	WOOD SIDING
WSEC	WASHINGTON STATE ENERGY CODE
WT	WEIGHT
WWS	WINDOW WALL SYSTEM
XPS	EXTRUDED POLYSTYRENE RIGID INSULATION
Y.D.	YARD DRAIN
℄	CENTERLINE

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO APPLICABLE BUILDING CODES AND ORDINANCES. WHERE MORE THAN ONE CODE OR ORDINANCE CONFLICT WITH EACH OTHER, THE MORE RESTRICTIVE CODE SHALL GOVERN.
2. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AT THE SITE AND SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY OF ANY UNCERTAINTIES OR DISCREPANCIES WITH DRAWINGS.
3. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES AT THE SITE, PROTECT THEM FROM DAMAGE AND REPORT ANY DISCREPANCIES WITH DRAWINGS.
4. THE CONTRACTOR SHALL INSURE THE HEALTH AND SAFETY OF THE PUBLIC AND ALL WHO ENTER THE BUILDING DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE WORK OF SUBCONTRACTORS AND ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION.
6. DRAWINGS SHALL NOT BE SCALED. NOTIFY THE PROJECT ENGINEER IMMEDIATELY OF ANY CONFLICTS.
7. ALL CONSTRUCTION SHALL MEET OR EXCEED LOCAL INDUSTRY STANDARDS. DETAILS ARE PROVIDED TO INDICATE MINIMUM QUALITY AND TO GIVE STANDARDS OF CONSTRUCTION. IF A CONDITION IS NOT SPECIFICALLY DETAILED, SUBMIT A SUGGESTED DETAIL FOR GUIDANCE AND APPROVAL.
8. DIMENSIONS ON PLANS ARE TO FACE OF STUD, CENTER OF COLUMN, CENTER OF MULLION, FACE OF CONCRETE, FACE OF MASONRY, FACE OF FRAME OR FACE OF ROUGH OPENING, UNLESS OTHERWISE NOTED.
9. REPAIR / REPLACE EXISTING WALL, FLOOR AND CEILING WOOD FINISHES TO MATCH EXISTING ADJACENT FINISHES WHEN DAMAGED DURING COURSE OF CONSTRUCTION.
10. DEMOLISH ALL EXISTING BUILDING COMPONENTS NECESSARY TO CONSTRUCT WORK CAP ALL EXISTING UTILITIES (PLUMBING, ELECTRICAL AND MECHANICAL) BEHIND WALLS FLOORS, ETC.
11. SALVAGE ALL WOOD FINISH MATERIALS FOR REUSE IN PROJECT, TURN OVER ANY REMAINING USEABLE MATERIALS OWNER FOR FUTURE REPAIRS.
12. PROTECT EXISTING STRUCTURE, SYSTEMS AND FINISHES DURING RECONSTRUCTION WORK.
13. ALL STRUCTURAL STEEL AND FASTENERS ARE TO BE CONCEALED UNLESS NOTED OTHERWISE. TYPICAL. RECESS AND PLUGGED.
14. ALL FASTENERS AND HARDWARE ARE TO BE STAINLESS STEEL (SS) UNLESS NOTED OTHERWISE.
15. COORDINATE LAY DOWN AND WORK LAYDOWN AREA WITH OWNER.

SYMBOLS



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6934 REGISTERED ARCHITECT
LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

ABBREVIATIONS, NOTES & LEGENDS

G003

SCALE
AS SHOWN

PARKS FILE# I500-6619-2024

NOTES:

1. OUTLINE OF ROOF OVERHANG ABOVE
2. 6 FT. WIDE CONC. SIDEWALK
3. CONCRETE PLATFORM, SLOPED 1/4" MAX. AWAY FROM BUILDING. STAMPED PATTERN, RSW. PLANKS
4. SLOPED PAVING, LESS THAN 1:20
5. TREATED WOOD 2x6 DOCK RAIL EDGING ON 4X6" BLOCKS EVERY 48" O.C. MAX., REFER TO DETAIL F/A601
6. (2) 6" DIA. GALVANIZED STEEL BOLLARDS AT BOTH ENDS OF PLATFORM.
7. ADA PARKING SIGNS ON POSTS CENTERED ON STALL
8. 7' WIDE CONCRETE WHEEL STOP PER STALL TYP.
9. ELECTRICAL METER WITH MAST AND OVERHEAD WIRES TO POLE NEAR STREET
10. 4 FT. WIDE CONC. SIDEWALK
11. CONCRETE CURB CUT AT (E) STREET ASPHALT PAVING AT DRIVE LANE AND PARKING
12. LANDSCAPING.
13. IN GROUND VAULT FOR FUTURE ELECTRICAL CONNECTION
14. INTERPRETIVE SIGN, F.O.I.C., REFER TO DETAIL D/A601
15. EVCS CENTERED BETWEEN STALLS
16. RELOCATE (E) PARK KIOSK CURRENTLY WEST OF DEPOT. (2) NEW CONCRETE POST FOOTING, REFER TO DETAIL K/A601
17. MIN. 6 FT. WIDE GRAVEL HORSE TRAIL
18. CAST IN PLACE CONCRETE STAIRS WITH GALV. METAL PIPE HANDRAILS, REFER TO DETAIL E/A601
19. 4" CONCRETE MAINTENANCE PAD FOR HEAT PUMP, REFER TO MECHANICAL DRWGS.

GENERAL NOTES:

1. FIELD VERIFY ALL DIMENSIONS SHOWN.
2. RESTORE LANDSCAPING DAMAGED DURING WORK, HYDRO SEED BARE AREAS.
3. RESTORE GRAVEL TRAIL DISTURBED DURING SITE WORK.
4. REFER TO H/A601 FOR TYPICAL BOLLARD DETAIL
5. REFER TO E/A601 FOR TYPICAL CONCRETE STAIR & METAL HANDRAIL DETAIL

CODE INFORMATION

GOVERNING CODES:

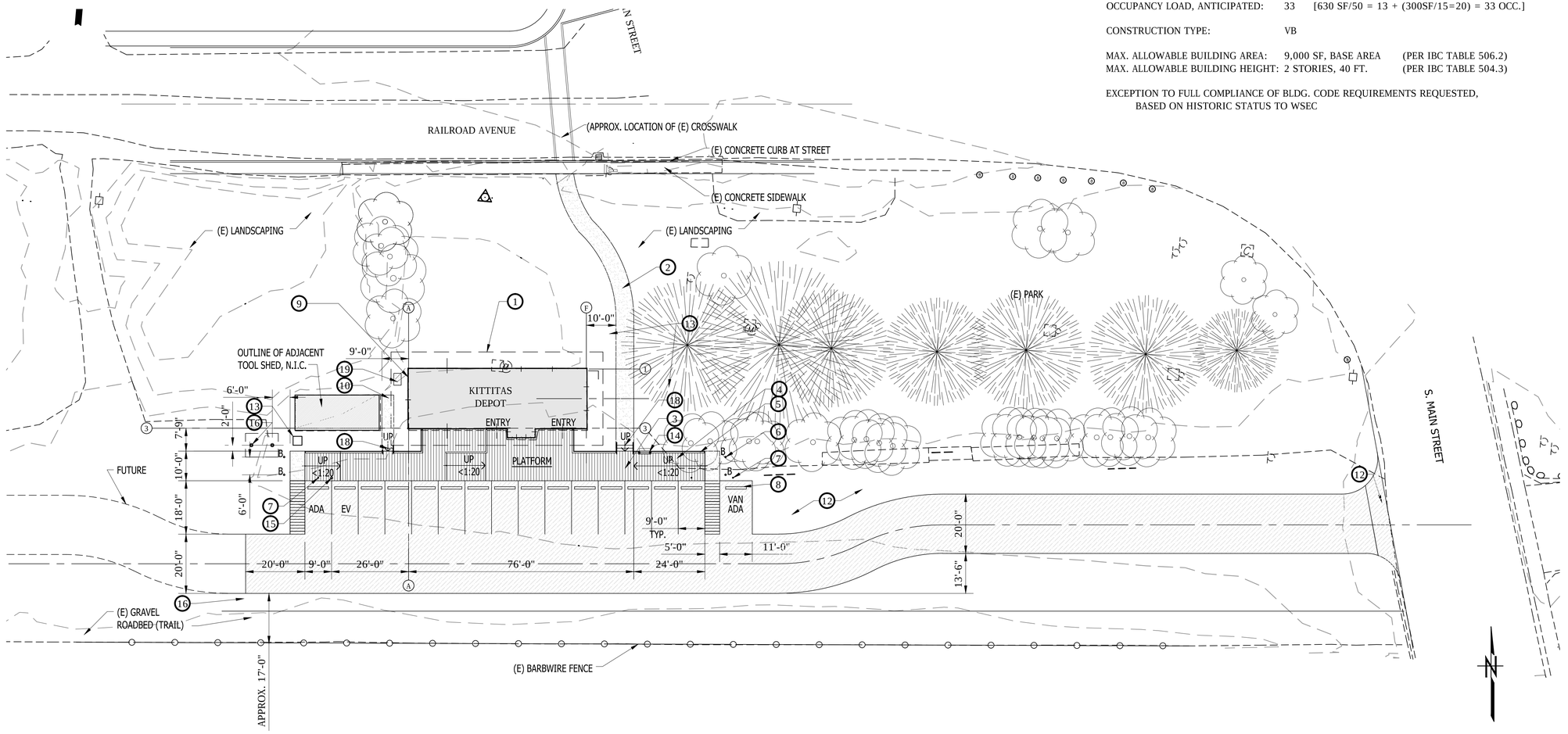
2021 INTERNATIONAL BUILDING CODE (IBC)
2021 INTERNATIONAL FIRE CODE (IFC)
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2009 UNIFORM PLUMBING CODE (UPC)
2021 WASHINGTON STATE ENERGY CODE (WSEC)
2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2017 CC/ANSI A117.1-2017, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

2021 WASHINGTON STATE BUILDING CODE AMENDMENTS

SUMMARY OF WORK UNDER PERMIT: RESTORATION OF HISTORIC DEPOT, ADAPTIVE REUSE FOR PUBLIC RESTROOM FACILITIES AND PUBLIC / COMMERCIAL OFFICE / MEETING SPACE. SITE PARKING AND CIRCULATION IMPROVEMENTS. REPLACEMENT OF BUILDINGS FOUNDATION SYSTEM, REPAIRS TO BUILDINGS ROOF STRUCTURE. SIDING AND FACADE REPAIRS AND RESTORATION, ROOFING REPLACEMENT. RESTORATION OF EXTERIOR WINDOWS AND DOORS, INSTALLATION OF STORM WINDOW. ACCESSIBILITY IMPROVEMENTS INCLUDING NEW DOORS AND HARDWARE. NEW ELECTRICAL, PLUMBING AND MECHANICAL SYSTEMS. NEW ACCESSIBLE RESTROOMS. INCREASED INSULATION WITHIN WALLS, CEILINGS AND FLOORS.

BUILDING AREA:	(E)	1,228 SF.
BUILDING HEIGHT	(E)	22 FT. (OVERALL), 16 FT (MID. PT. OF SLOPE OF ROOF)
OCCUPANCY TYPE:		B (BUSINESS)
OCCUPANCY LOAD, ANTICIPATED:		33 [630 SF/50 = 13 + (300SF/15=20) = 33 OCC.]
CONSTRUCTION TYPE:		VB
MAX. ALLOWABLE BUILDING AREA:		9,000 SF, BASE AREA (PER IBC TABLE 506.2)
MAX. ALLOWABLE BUILDING HEIGHT:		2 STORIES, 40 FT. (PER IBC TABLE 504.3)

EXCEPTION TO FULL COMPLIANCE OF BLDG. CODE REQUIREMENTS REQUESTED, BASED ON HISTORIC STATUS TO WSEC



1 SITE PLAN

SHEET 4 OF 54

CAD NO. StylesheetPCSv3-2.dwg

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
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DRAWN	JJR	08/09/24
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6934 REGISTERED ARCHITECT
LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

SITE PLAN & CODE INFORMATION

G101

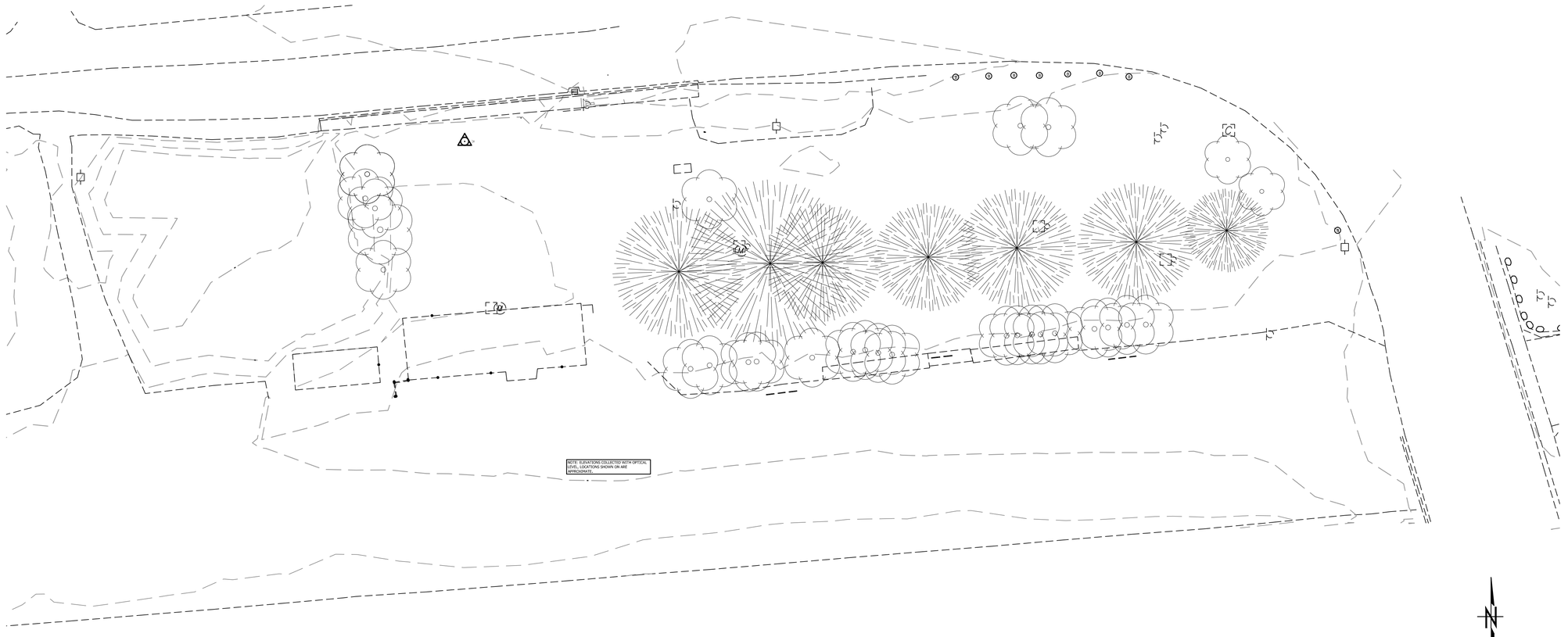
SCALE
1" = 20'

PARKS FILE# I500-6619-2024

LEGEND

EXISTING

- TREE CONIF
- TREE DECID
- WATER VALVE
- HYDRANT
- POWER POLE
- METER
- POLE ANCHOR
- SIGN
- CONTROL POINT
- WATER BIB
- CONTROL VALVE
- BOLLARD
- PARKING ROCK
- EXISTING FEATURE



1 SITE SURVEY

20' 0 40'

SHEET 5 OF 54

CAD NO. StylesheetPCSv3-2.dwg

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	GH	04/10/2024
DRAWN		
CHECKED (FIELD)		
CHECKED (HDQTS.)		

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

SITE SURVEY

V101

SCALE 1" = 20'

PARKS FILE# I500-6619-2024

CIVIL STANDARD NOTES:

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND CITY OF KITTITAS STANDARDS.
2. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH CITY OF KITTITAS PRIOR TO START OF CONSTRUCTION.
3. ALL PLANS AND REPORTS MUST BE APPROVED PRIOR TO THE PRE-CONSTRUCTION MEETING AND MUST BE PRESENT AT THE PRE-CONSTRUCTION MEETING. THE TRAFFIC CONTROL PLAN, PER MUTCD AND WSDOT WORK ZONE TRAFFIC CONTROL GUIDELINES, MUST ALSO BE PRESENT AT THE PRE-CONSTRUCTION MEETING. FAILURE TO COMPLY MAY RESULT IN A DELAYED PRE-CONSTRUCTION MEETING.
4. APPROVED CONSTRUCTION PLANS SHALL BE ON THE JOB SITE WHEN PROJECT IS UNDER CONSTRUCTION.
5. IF ADEQUATE INSPECTION IS NOT COMPLETED AND DOCUMENTED BEFORE COMPLETION OF THE ROADWAY CONSTRUCTION, IT MAY BE NECESSARY FOR CORE DRILLING AND TESTING TO BE PERFORMED TO ASSURE AN ACCEPTABLE QUALITY ROADWAY. WHEN CORE DRILLING IS FOUND TO BE NECESSARY, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL COSTS INCURRED
6. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES IN ORDER TO ASSURE THAT ALL LINES, PIPES, POLES AND OTHER APPURTENANCES ARE PROPERLY LOCATED AND THEIR INSTALLATION IS COORDINATED WITH THE ROAD CONSTRUCTION. ALL UTILITY RELOCATION WORK SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
7. BURIED UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION. THE CONTRACTOR SHALL HAVE UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL 811 OR 1-800-424-5555 (CALL BEFORE YOU DIG HOTLINE) AT LEAST 48 HOURS IN ADVANCE. THE APPLICANT AND APPLICANT'S ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
8. ONSITE EROSION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND BE IN PLACE PRIOR TO CONSTRUCTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING DUST THAT MAY BE GENERATED BY THE CONSTRUCTION PROJECT.
10. ANY REVISIONS TO PLANS MUST BE MADE BY THE APPLICANT'S ENGINEER AND APPROVED BY THE CITY ENGINEER PRIOR TO ANY IMPLEMENTATION IN THE FIELD.
11. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND CITY OF KITTITAS STANDARDS.
12. ALL BACKFILL AND EMBANKMENT SHALL BE CONSTRUCTED PER RECOMMENDATION OF GEOTECH REPORT.
13. WHERE NEWLY CONSTRUCTED PAVING MEETS EXISTING PAVING, THE CONTRACTOR SHALL SAW CUT AND OVERLAY AND FEATHER NEW PAVEMENT TO PROVIDE A SMOOTH TRANSITION FROM EXISTING TO PROPOSED PAVING. APPLICATION OF A THIN TACK COAT OF EMULSIFIED ASPHALT SHALL BE APPLIED TO INSURE PROPER BONDING.
14. THE COMPLETE SURFACE OF ALL COURSES SHALL BE OF UNIFORM TEXTURE, SMOOTH, UNIFORM AS TO CROWN AND GRADE, AND FREE FROM DEFECTS OF ALL KINDS. THE COMPLETED SURFACE OF THE WEARING COURSE SHALL NOT VARY MORE THAN 1/8 INCH FROM THE LOWER EDGE OF A 10 FOOT STRAIGHTEDGE PLACED ON THE SURFACE PARALLEL TO THE CENTERLINE. THE TRANSVERSE SLOPE OF THE COMPLETED SURFACE OF THE WEARING COURSE SHALL VARY NOT MORE THAN 1/4 INCH IN 10 FEET FROM THE RATE OF TRANSVERSE SLOPE SHOWN ON THE PLANS.
15. COMPACTION TESTING OF SUBGRADE, EMBANKMENT, BASE COURSE, TOP COURSE PAVEMENT, PIPE BEDDING AND TRENCH BACKFILL SHALL BE PROVIDED BY THE CONTRACTOR.
16. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE ENGINEER DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER PRIOR TO ACCEPTANCE OF THE PROJECT.
17. THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN IN THE PLANS OR AS AFFECTED BY CONSTRUCTION.
18. DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.
19. CONTRACTOR TO DOCUMENT REVISIONS DURING CONSTRUCTION ON A SET OF PLANS AND SUBMIT MARKUPS TO AHBL PRIOR TO PROJECT ACCEPTANCE.
20. THE CONTRACTOR SHALL DESIGNATE A LOCATION FOR CONCRETE TRUCK AND EQUIPMENT WASHOUT. THE WASHOUT AREA SHALL NOT BE LOCATED NEAR OR DRAIN INTO A STORM DRAINAGE SYSTEM, DETENTION FACILITY, OR TREATMENT FACILITY.
21. ALL EXISTING UTILITIES SHALL BE ADJUSTED TO FINISH GRADE.

TOPOGRAPHIC NOTE

THE EXISTING CULTURAL AND TOPOGRAPHIC DATA SHOWN ON THESE DRAWINGS HAS BEEN FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, AHBL CANNOT ENSURE ACCURACY AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THAT INFORMATION OR FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT.

FILL SPECIFICATION

IMPORTED FILL MATERIAL SHALL NOT CONTAIN PETROLEUM PRODUCTS, OR SUBSTANCES WHICH ARE HAZARDOUS, DANGEROUS, TOXIC, OR WHICH OTHERWISE VIOLATE ANY STATE, FEDERAL, OR LOCAL LAW, ORDINANCE, CODE, REGULATION, RULE, ORDER, OR STANDARD.

TRENCH NOTE

IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR OR MORE FEET IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT SECTION 2-09.3(3)B, IT SHALL BE SHORED AND CRIBBED. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR WORKER SAFETY AND AHBL ASSUMES NO RESPONSIBILITY. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW.

CONSTRUCTION SEQUENCE

1. FLAG CLEARING LIMITS.
2. SCHEDULE AND ATTEND PRECONSTRUCTION MEETING WITH THE CITY OF KITTITAS AND PROJECT MANAGER.
3. PROVIDE MISCELLANEOUS DEMOLITION AND CLEAR AND GRUB AREA WITHIN CLEARING LIMITS REQUIRED FOR INSTALLATION OF TEMPORARY EROSION CONTROL FACILITIES. ALL EROSION AND SEDIMENT CONTROL FACILITIES SHOWN ON THE EROSION CONTROL PLAN SHALL BE INSTALLED PRIOR TO, OR AS A FIRST STAGE OF SITE PREPARATION.
4. PROVIDE PERIMETER FILTER FABRIC FENCE AS SHOWN.
5. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AND PROVIDE REPAIRS AS NEEDED PER THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
6. CLEAR AND GRUB THE REMAINDER OF THE SITE WITHIN CLEARING LIMITS AND ROUGH GRADE.
7. PROVIDE COVER MEASURES TO INCLUDE ARMORING, MULCHING AND HYDROSEEDING TO STABILIZE DENUDED AREAS AND PREVENT THE TRANSPORT OF SEDIMENT-LADEN STORMWATER OFF-SITE.
8. PROVIDE STORM SYSTEM AND MISCELLANEOUS UTILITIES AS SHOWN ON THE PLANS.
9. FINE GRADE SITE AND PAVE. COORDINATE WITH CITY OF KITTITAS FOR REQUIRED INSPECTIONS.
10. STABILIZE ALL REMAINING DISTURBED AREAS.

LEGEND

EXISTING	PROPOSED
TREE CONIFER	
TREE DECIDUOUS	
WATER VALVE	WV
FIRE HYDRANT	
POWER POLE	
METER	M
POLE ANCHOR	
SIGN	
CONTROL POINT	
WATER BIB	
CONTROL VALVE	
BOLLARD	B
PARKING ROCK	
EXISTING FEATURE	
EXISTING CONTOUR — —1000— — —	
	—1000— PROPOSED CONTOUR
	DRYWELL
	BIO-INFILTRATION SWALE
	—FD— FOUNDATION DRAIN
	CONCRETE SIDEWALK
	HMA PAVEMENT

CAD NO.

	DATE	APP.	INT.	REVISIONS	NO.

ACTION	BY	DATE
DESIGNED	CF/SK	08/09/2024
DRAWN	TS	08/09/2024
CHECKED (FIELD)		
CHECKED (HDQTS.)		

SCOTT T. KAUL
STATE OF WASHINGTON
46972
REGISTERED
PROFESSIONAL ENGINEER
08/09/2024

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REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

GENERAL NOTES

C-101

SCALE
AS SHOWN

PARKS FILE# I500-6619-2024

SHEET 6 OF 54

DATE: August 9, 2024 FILENAME: Q:\2023\2230784\10_CIV\CAD\2230784-NOTE.dwg

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

T.E.S.C LEGEND

- (SF) FILTER FABRIC FENCE — 1/3
- (CL) CLEARING LIMITS
- (CE) TEMP. CONSTRUCTION ENTRANCE — 3/3
- (IP) INLET SEDIMENT PROTECTION — 2/3
- (ID) INTERCEPTOR DITCH SLOPE VARIES (TYP.)

KEYNOTES

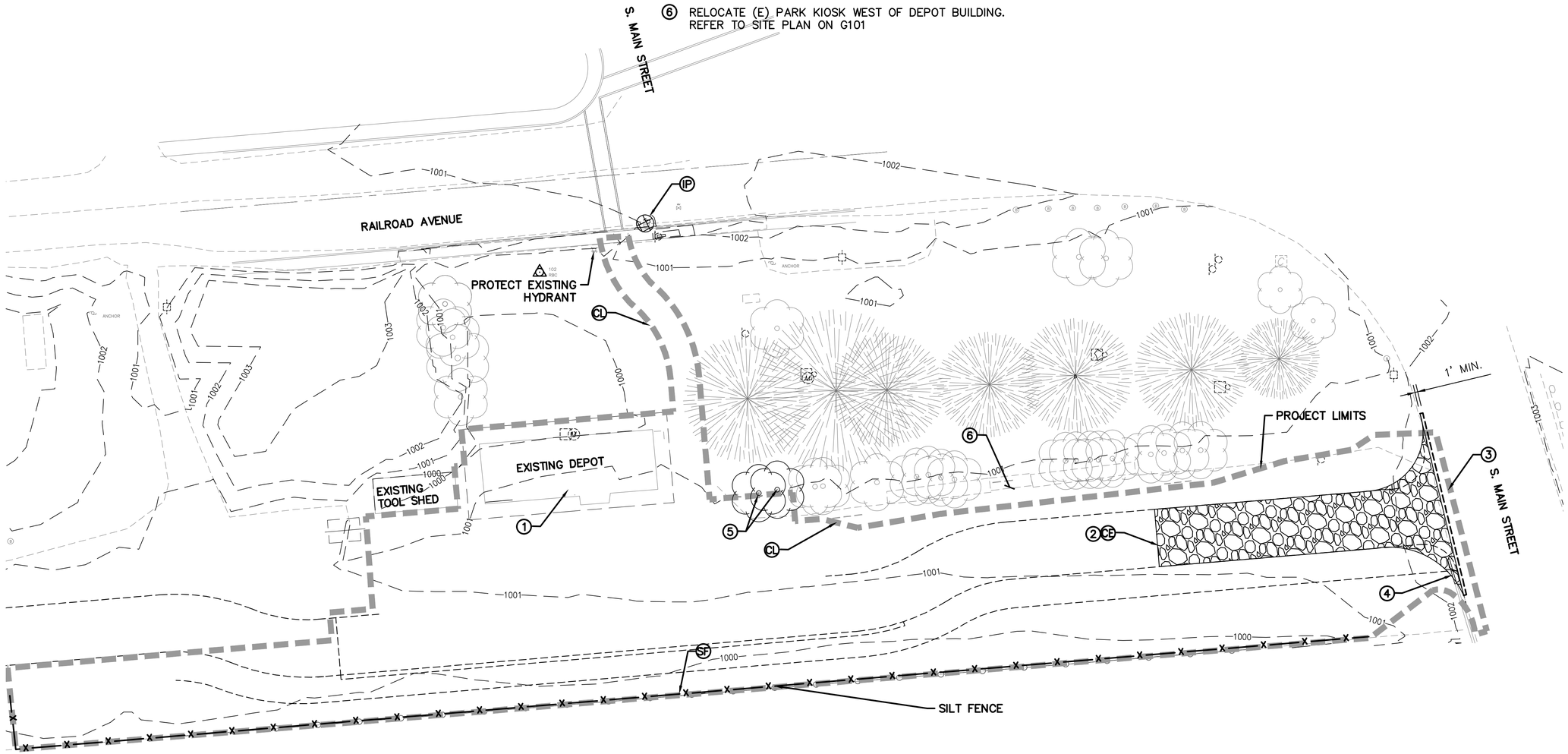
1. CONTRACTOR IS RESPONSIBLE TO LOCATE AND DISCONNECT ALL EXISTING UTILITIES AT START OF CONSTRUCTION AND PRIOR TO RAISING THE BUILDING FOUNDATION AND RECONNECT ALL BUILDING UTILITY SERVICES ONCE BUILDING HAS BEEN RAISED. REFER TO BUILDING PLANS FOR FURTHER INFORMATION.
2. USE EXISTING GRAVEL SURFACE AS TEMPORARY CONSTRUCTION ENTRANCE. IF DUST IS TRACKED OFFSITE, STREET SWEEPING WILL BE REQUIRED.
3. CONTRACTOR TO ENSURE NEAT SAWCUT LINE, REMOVE PAVEMENT, AND HOT TAR SEAL JOINT.
4. REMOVE EXISTING CURB AND GUTTER FOR INSTALLATION OF NEW DRIVEWAY APPROACH.
5. REMOVE TREE
6. RELOCATE (E) PARK KIOSK WEST OF DEPOT BUILDING. REFER TO SITE PLAN ON G101

UTILITY LOCATE NOTES

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT HAPPEN DUE TO THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. IN ADDITION TO THE 811 UTILITY LOCATE SERVICE THE CONTRACTOR SHALL OBTAIN INDEPENDENT PRIVATE LOCATES FOR ALL UNDERGROUND UTILITIES INCLUDING ANY PRIVATE BURIED COMMUNICATIONS/DATA, ETC.

N

20'
0 40'



1 TESC PLAN

SHEET 7 OF 54

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	CF/SK	08/09/2024
DRAWN	TS	08/09/2024
CHECKED (FIELD)		
CHECKED (HDQTS.)		

SCOTT T. KAUL
STATE OF WASHINGTON
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WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

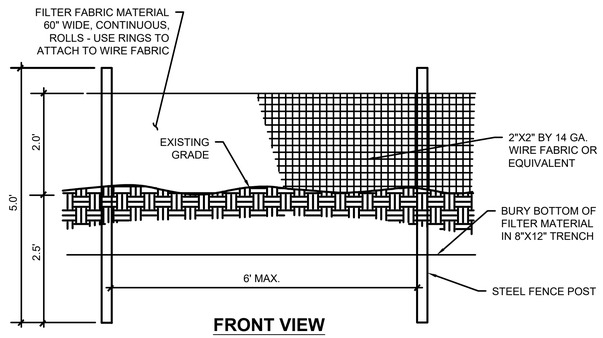
TEMPORARY EROSION AND SEDIMENT CONTROL (TESC)

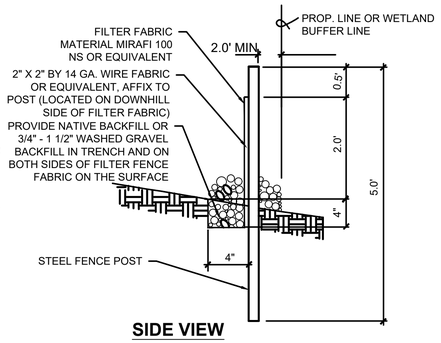
C-201

SCALE
AS SHOWN

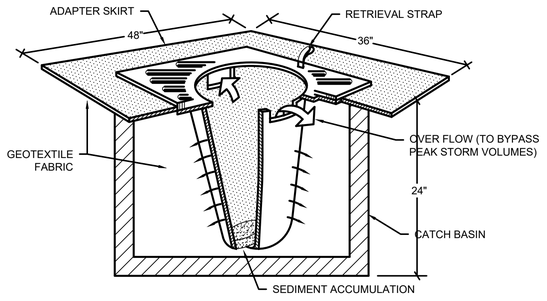
PARKS FILE# I500-6619-2024

DATE: August 9, 2024 FILENAME: Q:\2023\2230784\10_CIV\CAD\2230784-TESC.dwg

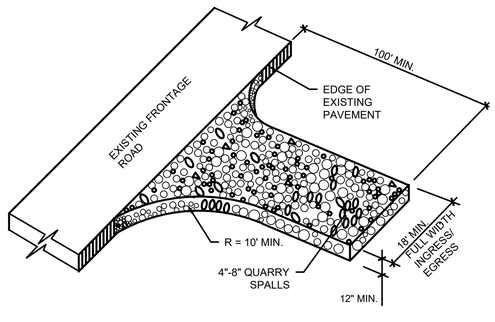




1 SILT FENCE



2 INLET PROTECTION



RE-USE OF EXISTING GRAVEL DRIVEWAY MAY BE ALLOWED BUT CONTRACTOR IS RESPONSIBLE TO UPGRADE TO QUARRY SPALLS IF SEDIMENT TRACKING OCCURS OFFSITE.

3 CONSTRUCTION ENTRANCE

SILT FENCE NOTES:

1. SILT FENCE SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY FASTENED AT BOTH ENDS TO POST.
2. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 30 INCHES).
3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER. THIS TRENCH SHALL BE BACKFILLED WITH WASHED GRAVEL.
4. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
5. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO FENCE, AND 20 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
6. SILT FENCES SHALL NOT BE REMOVED BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
7. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
8. SILT FENCES WILL BE INSTALLED PARALLEL TO SLOPE CONTOURS.
9. CONTRIBUTING LENGTH TO FENCE WILL NOT BE GREATER THAN 100 FEET.
10. DO NOT INSTALL BELOW AN OUTLET PIPE OR WEIR.
11. INSTALL DOWNSLOPE OF EXPOSED AREAS.
12. DO NOT DRIVE OVER OR FILL OVER SILT FENCES.

HYDROSEEDING NOTES:

1. HYDROSEEDING SHALL BE APPLIED IN ACCORDANCE WITH THE ESC STANDARD PLAN NOTES ON THIS SHEET.
2. HYDROSEEDING TO BE THE FOLLOWING MIXTURE:

COMMON NAME	SEEDING RATES (LBS/AC)		
	A	B	C
WINTER OR SPRING WHEAT (I)	80		
SPRING BARLEY (I)		80	
REGREEN* OR TRITICALE			50
ANNUAL RYEGRASS (I)			
*STERILE WHEAT x WHEATGRASS HYBRID (N) = NATIVE PLANT SPECIES (I) = INTRODUCED, NON-NATIVE PLANT SPECIES			

3. 500 LBS/ACRE 10-20-20 FERTILIZER, 1500 LBS/ACRE WOOD FIBER CELLULOSE WITH 3 SOIL BINDER OR TACKING AGENT TO BE APPLIED WITH SEED MIXTURE.
4. SEED BEDS PLANTED BETWEEN MAY 1 AND AUGUST 31 WILL REQUIRE IRRIGATION AND OTHER MAINTENANCE AS NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE.
5. FOR SEED BEDS PLANTED BETWEEN OCTOBER 31 AND APRIL 30, ARMORING OF THE SEED BED WILL BE NECESSARY. (E.G., GEOTEXTILES, JUTE MAT, CLEAR PLASTIC COVERING.)
6. BEFORE SEEDING, INSTALL NEEDED SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPTOR DIKES, SWALES, LEVEL SPREADERS AND SEDIMENT BASINS.
7. THE SEEDBED SHALL BE FIRM WITH A FAIRLY FINE SURFACE, FOLLOWING SURFACE ROUGHENING. PERFORM ALL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE.
8. FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIERS RECOMMENDATIONS. AMOUNTS USED SHOULD BE MINIMIZED, ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.
9. SEED SHALL NOT BE USED IN AREAS SUBJECT TO WEAR BY CONSTRUCTION TRAFFIC.

CONSTRUCTION ENTRANCE NOTES:

1. MATERIAL SHALL BE 4 INCH TO 8 INCH QUARRY SPALLS AND MAY BE TOP-DRESSED WITH 1 INCH TO 3 INCH ROCK. (WSDOT STANDARD SPECIFICATIONS, SECTION 8-15.)
2. THE ROCK PAD SHALL BE AT LEAST 12 INCHES THICK AND 50 FEET LONG. WIDTH SHALL BE THE FULL WIDTH OF THE VEHICLE INGRESS AND EGRESS AREA.
3. ADDITIONAL ROCK SHALL BE ADDED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE PAD.
4. PAVED ROADS SHALL BE KEPT FREE OF SEDIMENT TRACKED FROM THE PROJECT SITE. SEDIMENT TRACKED ONTO ADJACENT PAVED SURFACES SHALL BE REMOVED DAILY BY SWEEPING, WASHING TO SEDIMENT FROM ROAD SURFACE WILL NOT BE ALLOWED.
5. A TRUCK WHEEL WASH MAY BE REQUIRED TO BE INSTALLED AT ANY TIME UPON COUNTY'S REQUEST.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DUST CONTROL PER COUNTY REQUIREMENTS.

NOTES:

1. THE CONSTRUCTION SEQUENCE ON SHEET C-201 SHALL BE FOLLOWED IN ORDER TO BEST MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENTATION CONTROL PROBLEMS.
2. INSPECT ALL ROADWAYS, AT THE END OF EACH DAY, ADJACENT TO THE CONSTRUCTION ACCESS ROUTE. IF IT IS EVIDENT THAT SEDIMENT HAS BEEN TRACKED OFF SITE AND/OR BEYOND THE ROADWAY APPROACH, CLEANING IS REQUIRED.
3. IF SEDIMENT REMOVAL IS NECESSARY PRIOR TO STREET WASHING, IT SHALL BE REMOVED BY SHOVELING OR PICKUP SWEEPING AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
4. IF STREET WASHING IS REQUIRED TO CLEAN SEDIMENT TRACKED OFF SITE, ONCE SEDIMENT HAS BEEN REMOVED, STREET WASH WASTEWATER SHALL BE CONTROLLED BY PUMPING BACK ON-SITE OR OTHERWISE PREVENTED FROM DISCHARGING INTO SYSTEMS TRIBUTARY TO WATERS OF THE STATE.
5. RESTORE CONSTRUCTION ACCESS ROUTE EQUAL TO OR BETTER THAN THE PRE-CONSTRUCTION CONDITION.
6. RETAIN THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICAL.
7. INSPECT SEDIMENT CONTROL BMPS WEEKLY AT A MINIMUM, DAILY DURING A STORM EVENT, AND AFTER ANY DISCHARGE FROM THE SITE (STORMWATER OR NON-STORMWATER). THE INSPECTION FREQUENCY MAY BE REDUCED TO ONCE A MONTH IF THE SITE IS STABILIZED AND INACTIVE.
8. CONTROL FUGITIVE DUST FROM CONSTRUCTION ACTIVITY IN ACCORDANCE WITH THE STATE AND/OR LOCAL AIR QUALITY CONTROL AUTHORITIES WITH JURISDICTION OVER THE PROJECT AREA.
9. STABILIZE EXPOSED UNWORKED SOILS (INCLUDING STOCKPILES), WHETHER AT FINAL GRADE OR NOT, WITHIN 10 DAYS DURING THE REGIONAL DRY SEASON (JULY 1 THROUGH SEPTEMBER 30) AND WITHIN 5 DAYS DURING THE REGIONAL WET SEASON (OCTOBER 1 THROUGH JUNE 30). SOILS MUST BE STABILIZED AT THE END OF A SHIFT BEFORE A HOLIDAY WEEKEND IF NEEDED BASED ON THE WEATHER FORECAST. THIS TIME LIMIT MAY ONLY BE ADJUSTED BY A LOCAL JURISDICTION WITH A "QUALIFIED LOCAL PROGRAM," IF IT CAN BE DEMONSTRATED THAT THE RECENT PRECIPITATION JUSTIFIES A DIFFERENT STANDARD AND MEETS THE REQUIREMENTS SET FOURTH IN THE CONSTRUCTION STORMWATER GENERAL PERMIT.
10. PROTECT INLETS, DRYWELLS, CATCH BASINS AND OTHER STORMWATER MANAGEMENT FACILITIES FROM SEDIMENT, WHETHER OR NOT FACILITIES ARE OPERABLE.
11. KEEP ROADS ADJACENT TO INLETS CLEAN.
12. INSPECT INLETS WEEKLY AT A MINIMUM AND DAILY DURING STORM EVENTS.
13. CONSTRUCT STORMWATER CONTROL FACILITIES (DETENTION/RETENTION STORAGE POND OR SWALES) BEFORE GRADING BEGINS. THESE FACILITIES SHALL BE OPERATIONAL BEFORE THE CONSTRUCTION OF IMPERVIOUS SITE IMPROVEMENTS.
14. STOCKPILE MATERIALS (SUCH AS TOPSOIL) ON SITE, KEEPING OFF OF ROADWAY AND SIDEWALKS.
15. COVER, CONTAIN AND PROTECT ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCT, AND NONINERT WASTES PRESENT ON SITE FROM VANDALISM (SEE CHAPTER 173-304 WAC FOR THE DEFINITION OF INERT WASTE), USE SECONDARY CONTAINMENT FOR ON-SITE FUELING TANKS.
16. CONDUCT MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM REPAIRS, SOLVENT AND DE-GREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES THAT MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CLEAN ALL CONTAMINATED SURFACES IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. IF RAINING OVER EQUIPMENT OR VEHICLE, PERFORM EMERGENCY REPAIRS ON SITE USING TEMPORARY PLASTIC BENEATH THE VEHICLE.
17. CONDUCT APPLICATION OF AGRICULTURAL CHEMICALS, INCLUDING FERTILIZERS AND PESTICIDES, IN SUCH A MANNER, AND AT APPLICATION RATES, THAT INHIBITS THE LOSS OF CHEMICALS INTO STORMWATER RUNOFF FACILITIES. AMEND MANUFACTURER'S RECOMMENDED APPLICATION RATES AND PROCEDURES TO MEET THIS REQUIREMENT, IF NECESSARY.
18. INSPECT ON A REGULAR BASIS (AT A MINIMUM WEEKLY, AND DAILY DURING/AFTER A RUNOFF PRODUCING STORM EVENT) AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL BMPS TO ENSURE SUCCESSFUL PERFORMANCE OF THE BMPS. NOTE THAT INLET PROTECTION DEVICES SHALL BE CLEANED OR REMOVED AND REPLACE BEFORE SIX INCHES OF SEDIMENT CAN ACCUMULATE.
19. REMOVE TEMPORARY ESC BMPS WITHIN 30 DAYS AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. PERMANENTLY STABILIZE AREAS THAT ARE DISTURBED DURING THE REMOVAL PROCESS.

SHEET 8 OF 54

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
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CHECKED (HDQTS.)		

SCOTT T. KAUL
STATE OF WASHINGTON
46972
REGISTERED
PROFESSIONAL ENGINEER
08/09/2024

REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

TESC NOTES AND DETAILS

C-202

SCALE
AS SHOWN

PARKS FILE# I500-6619-2024

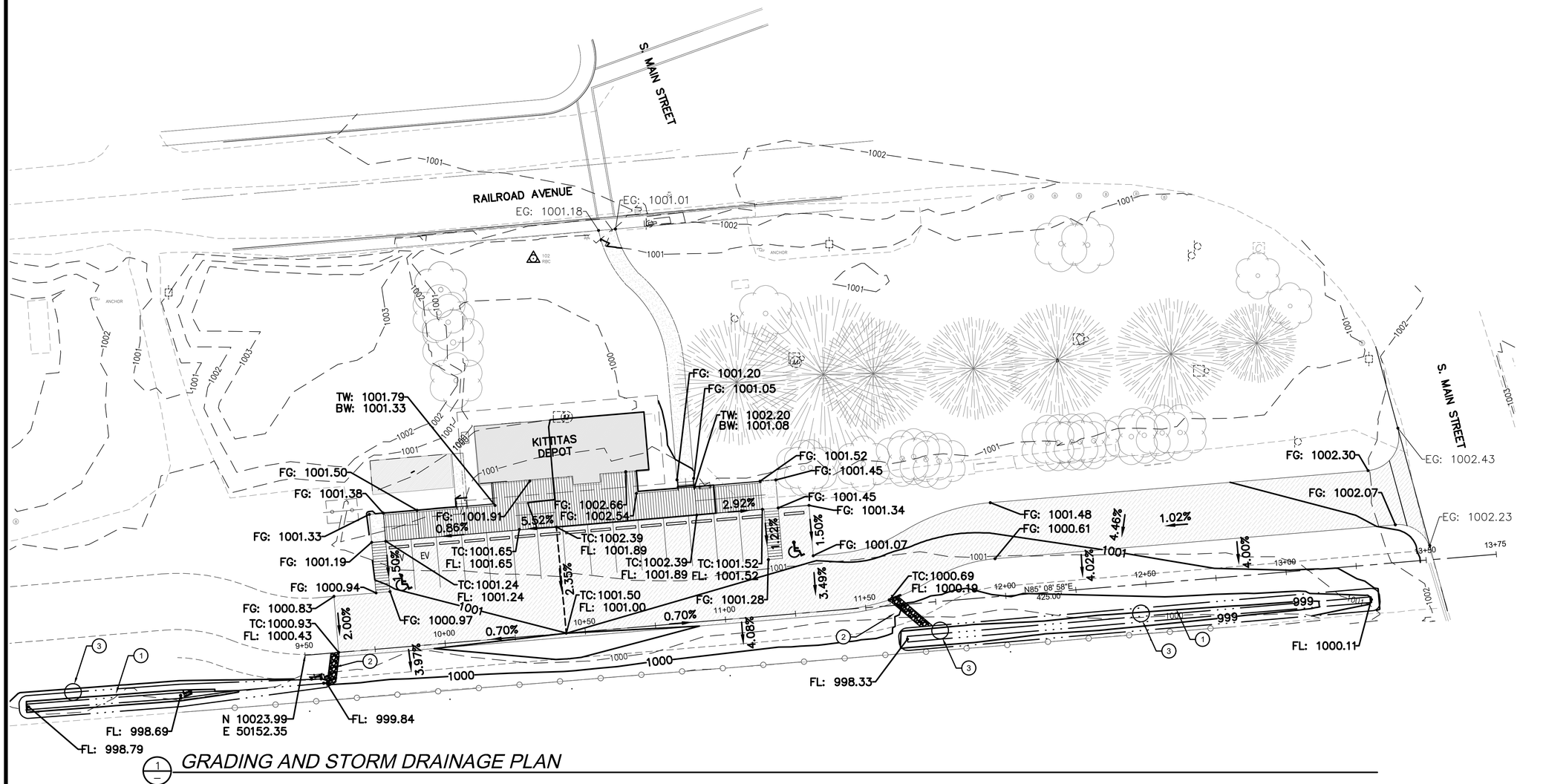
Know what's **below.**
Call before you dig.

SPOT GRADE KEYNOTES

FG	FINISHED GROUND ELEVATION
FL	FLOWLINE ELEVATION
FF	FINISHED FLOOR ELEVATION
TW	TOP OF WALL ELEVATION
BW	BOTTOM OF WALL ELEVATION

KEYNOTES

1. BIO-INFILTRATION SWALE (1/C303)
   BOTTOM AREA: 440 SF
   BOTTOM EL: 998.69 – 1000.11
   DEPTH: 1 FT
   BOTTOM WIDTH: 2 FT
2. RIP RAP PAD (2/C303)
3. EXCAVATE 5' DIAMETER HOLE DOWN TO EXISTING FREE DRAINING GRAVELS. APPROXIMATELY 5.5' BELOW GRADE SURFACE. WRAP WITH FILTER FABRIC AND BACKFILL WITH DRAIN ROCK TO BOTTOM OF BIOSWALE SOILS.



1 GRADING AND STORM DRAINAGE PLAN

SHEET 9 OF 54

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	CF/SK	08/09/2024
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CHECKED (HDQTS.)		

SCOTT T. KAUL
STATE OF WASHINGTON
46972
REGISTERED
PROFESSIONAL ENGINEER

08/09/2024

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WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

GRADING AND STORM DRAINAGE PLAN

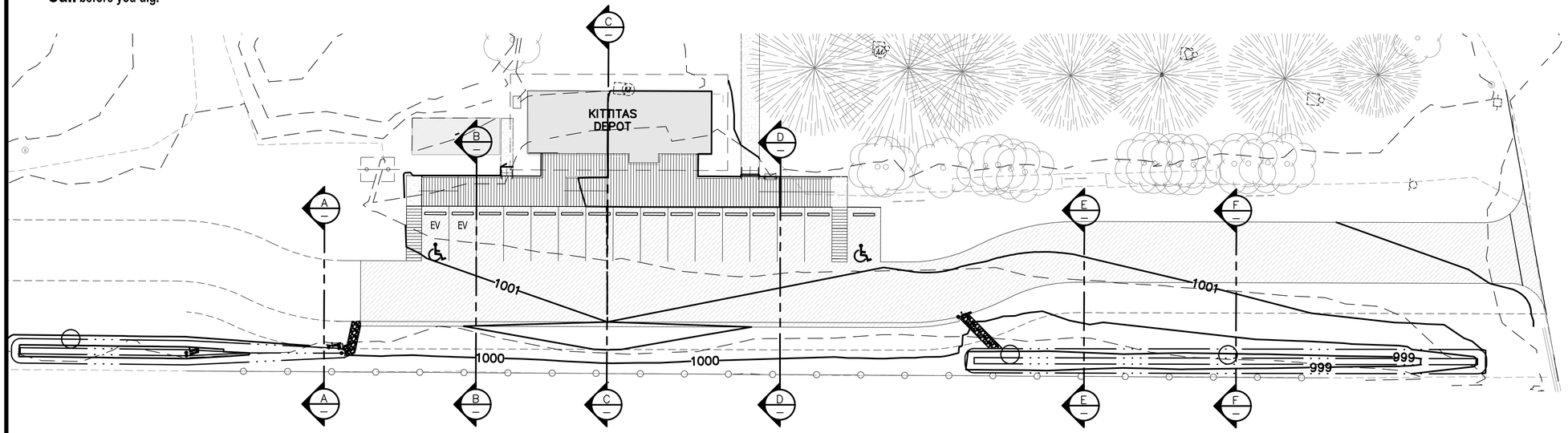
C-301

SCALE
AS SHOWN

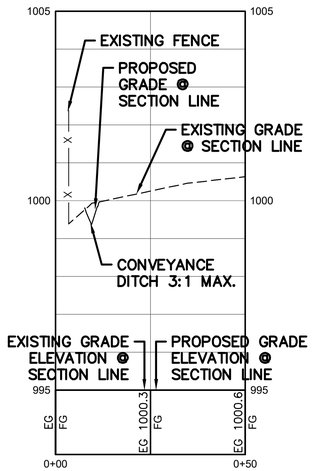
PARKS FILE# I500-6619-2024

DATE: August 9, 2024 FILENAME: Q:\2023\2230784\10_CIV\CAD\2230784-GRAD-STRM.dwg

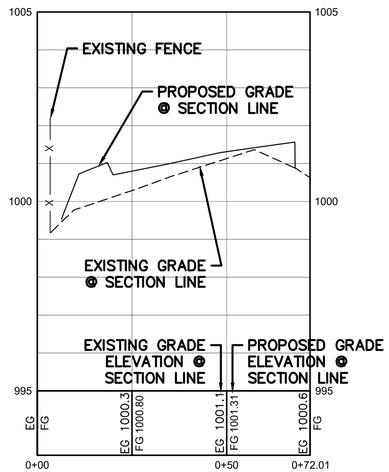
Know what's **below.**
Call before you dig.



20'
0
40'



GRADING CROSS SECTION A



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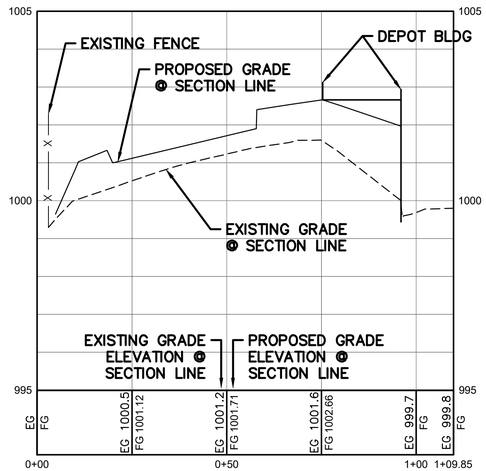

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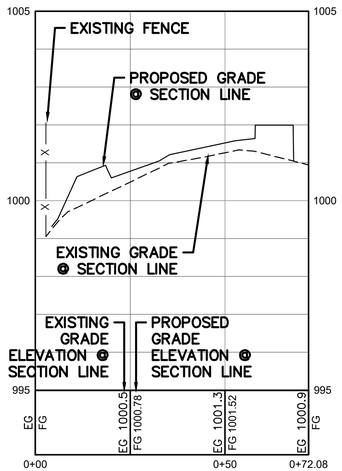

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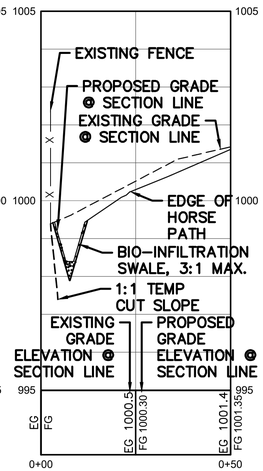

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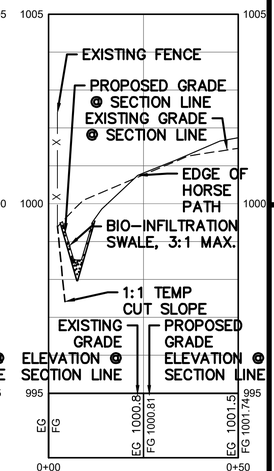

GRADING CROSS SECTION F

GRADING CROSS SECTIONS

SHEET 10 OF 54

DATE: August 9, 2024 FILENAME: Q:\2023\2230784\10_CIV\CAD\2230784-GRAD-STRM.dwg

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WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

GRADING CROSS SECTIONS

C-302

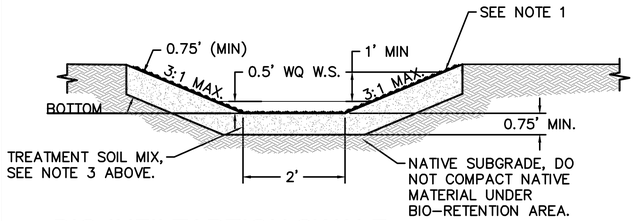
SCALE
AS SHOWN

PARKS FILE# I500-6619-2024

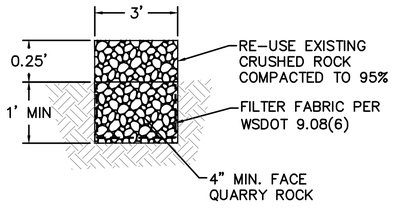
NOTES

1. INFILTRATION POND BOTTOMS & SIDE SLOPES TO BE HYDROSEEDED, REFER TO HYDROSEEDING NOTES ON SHEET C–202.
2. TREATMENT SOIL MIX SHALL CONSIST OF A THOROUGHLY BLENDED MIX OF EITHER
   2.1. 60% NON–ANIMAL WASTE COMPOST WITH 40% NATIVE SOILS
   2.2. OR SOILS MEETING THE CRITERIA IN THE BIO–INFILTRATION TOPSOIL TABLE
3. IN INFILTRATION POND AREAS, SCARIFY AND COMPACT TOP 12 INCHES OF SUBGRADE TO A MINIMUM OF 75 PERCENT AND MAXIMUM 85 PERCENT PRIOR TO PLACING TOPSOIL.
4. DO NOT COMPACT MATERIALS UNDER BIO–INFILTRATIONS AREAS. AVOID CONSTRUCTION EQUIPMENT TRAVEL IN TREATMENT FACILITY AREAS.

BIO-INFILTRATION TOPSOIL	
CRITERIA	DESIGN REQUIREMENT
TREATMENT ZONE INFILTRATION RATE (VEGETATED COVER AND TREATMENT LAYER)	2.5 INCHES/HOUR
AVERAGE CATION EXCHANGE CAPACITY	AT LEAST 15 MILLIEQUIVALENTS/100 GRAMS
ORGANIC MATTER CONTENT	AT LEAST 2% BY WEIGHT



1 — BIO-INFILTARTION SWALE



2 — RIP-RAP PAD

GRADING AND DRAINAGE NOTES

1. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 811 BEFORE YOU DIG.
2. THE CONTRACTOR SHOULD TAKE PRECAUTIONS TO PROTECT THE INFILTRATION CAPACITY OF STORMWATER FACILITIES (E.G. LINE THE FACILITY WITH FILTER FABRIC, OVER–EXCAVATE UPON COMPLETION OF THE INFRASTRUCTURE, ETC.)
3. FOR ANY CURB GRADES LESS THAN 0.8% (0.008 FT/FT), A PROFESSIONAL LAND SURVEYOR CURRENTLY LICENSED IN THE STATE OF WASHINGTON SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE ACCEPTED PLANS, PRIOR TO PLACEMENT OF CONCRETE. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE SURVEYOR.
4. THE CONTRACTOR SHALL EMPLOY A PROFESSIONAL LAND SURVEYOR CURRENTLY LICENSED IN THE STATE OF WASHINGTON TO VERIFY THAT THE CROSS–GUTTER FORMS ARE AT THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT. THE CROSS–GUTTERS SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE GUTTER.
5. CONTRACTOR SHALL HAVE A MINIMUM (4) TEMPORARY BENCHMARKS (TBMS) WITHIN THE BUILDING PAD AREA WHILE PERFORMING EXCAVATION AND EMBANKMENT. TBMS SHALL HAVE ELEVATIONS NOTED ON LATHE AND BE AVAILABLE FOR INDEPENDENT GRADE VERIFICATION.
6. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (AMOCO 4545 OR APPROVED EQUIVALENT) BETWEEN THE WASHED DRAIN ROCK AND THE NATIVE SOILS.
7. BIO–INFILTRATION SWALES SHALL HAVE A MAXIMUM TREATMENT DESIGN DEPTH (FROM SWALE BOTTOM TO ELEVATION OF DRYWELL GRATE OR FIRST OVERFLOW/OUTFLOW MECHANISM) OF 6 INCHES. EITHER ORGANIC MATTER CONTENT OR CATION EXCHANGE CAPACITY (CEC) TESTING SHALL BE COMPLETED IN ORDER TO SUBSTANTIATE THE TREATMENT SOIL COMPOSITION. THE TESTS SHALL BE PERFORMED ON COMPOSITE SAMPLES TAKEN FROM THE TREATMENT SOIL LAYER FROM THE CONSTRUCTED SWALE BOTTOM. A COMPOSITE SAMPLE CONSISTS OF WELL–MIXED SOIL OBTAINED FROM AT LEAST FOUR CORES, TO A DEPTH OF AT LEAST 12 INCHES, RANDOMLY DISTRIBUTED OVER THE SWALE BOTTOM TEST AREA. STOCKPILE SAMPLES FROM ON–SITE OR A MATERIAL SUPPLIER CAN BE TESTED FOR INFORMATIONAL PURPOSES TO DETERMINE INITIAL SUITABILITY AND POSSIBLE SOIL AMENDMENTS, BUT WILL NOT BE ACCEPTED IN–LIEU OF IN–PLACE TESTING. A MINIMUM OF ONE TEST SHALL BE PERFORMED FOR EACH BIO–INFILTRATION SWALE 1,500 SQUARE FEET OR LESS, WITH ONE ADDITIONAL TEST FOR EACH ADDITIONAL FOUR CORE SAMPLES TAKEN AS DESCRIBED ABOVE. TESTING RESULTS SHALL BE SUBMITTED AS PART OF THE CONSTRUCTION CERTIFICATION SUBMITTAL REQUIRED FOR RELEASE OF SURETY POSTED ON PROJECT.
8. CONCRETE APRONS ARE REQUIRED AT THE INLET INTO ANY SWALE. THE FINISH GRADE OF THE SWALE SIDE SLOPE, WHERE THE CONCRETE INLET APRON ENDS, SHALL BE A MINIMUM OF 2 INCHES BELOW THE FINISHED ELEVATION OF THE CONCRETE CURB APRON EXTENSION. THE INTENTION IS TO ALLOW STORMWATER RUNOFF TO ENTER THE SWALE UNOBSTRUCTED, WITHOUT BACKING UP INTO THE STREET AND GUTTER DUE TO SOD OVERGROWTH.
9. UNLINED BIOINFILTRATION SWALE BOTTOMS ARE EXPECTED TO INFILTRATE VIA THE SWALE FLOOR, AND THEREFORE, SHALL NOT BE HEAVILY COMPACTED; EQUIPMENT TRAFFIC SHALL BE MINIMIZED ON THE SWALE BOTTOMS. THE FACILITY SUBGRADE SHALL BE A MEDIUM–TO–WELL DRAINING MATERIAL, WITH A MINIMUM THICKNESS OF 48 INCHES AND A MINIMUM INFILTRATION RATE OF 0.15 IN/HR. THE FACILITY SHALL DRAIN WITHIN 72 HOURS OF A STORM EVENT. IF THE SWALE ALSO SERVES AS A WATER QUALITY TREATMENT FACILITY, THE TREATMENT ZONE (SOD AND 6 INCHES OF TREATMENT SOIL) SHALL BE A MEDIUM–TO–WELL DRAINING MATERIAL, WITH A MINIMUM INFILTRATION RATE OF 0.25–0.50 IN/HR.; SILTY LOAM OR LOAMY SILTS ARE PRESUMED TO HAVE AN INFILTRATIVE RATE THAT FALLS WITHIN THIS RANGE. SCARIFY THE FINISH GRADE OF THE SWALE BOTTOM PRIOR TO HYDROSEEDING/SODDING. TESTING THAT VERIFIES SUBGRADE MINIMUM INFILTRATION RATE IS REQUIRED BY THE LOCAL JURISDICTION PRIOR TO CONSTRUCTION CERTIFICATION TO ENSURE ADEQUATE DRAINAGE. INFILTRATIVE TESTING OF THE TREATMENT ZONE IS ONLY REQUIRED IF SOILS OTHER THAN SILTY LOAM OR LOAMY SOILS ARE PROPOSED.
10. IF, DURING FINAL INSPECTION, IT IS FOUND THAT THE CONSTRUCTED SWALE DOES NOT CONFORM TO THE ACCEPTED DESIGN, THE SYSTEM SHALL BE RECONSTRUCTED SO THAT IT DOES COMPLY.
11. ADJUST ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION TO FINISHED GRADE.

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SCOTT T. KAUL
STATE OF WASHINGTON
46972
REGISTERED
PROFESSIONAL ENGINEER
08/09/2024

REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

GRADING AND DRAINAGE NOTES AND DETAILS

C-303

SCALE
AS SHOWN

PARKS FILE# I500-6619-2024

SITE PLAN NOTES

1. CONTRACTOR TO COORDINATE WORK AROUND EXISTING BUILDING WITH THE OWNER AND ARCHITECT TO ENSURE DESIGN INTENT IS MET.
2. REFER TO ARCHITECTURAL SITE PLAN G0.01 FOR ADDITIONAL IMPROVEMENTS THAT MAY NOT BE LABELED ON THIS SITE PLAN.
3. VERIFY LOCATION OF ALL STRIPING WITH OWNER PRIOR TO INSTALLING.
4. ALL STRIPING TO BE WHITE PAINT UNLESS OTHERWISE NOTED.
5. CONTRACTOR IS RESPONSIBLE TO NOTIFY OWNER OF ANY DIFFERING SITE CONDITIONS UPON DISCOVERY.
6. ALL WORK PERFORMED BY THE CONTRACTOR SHALL BE IN CONFORMANCE WITH THE PROJECT MANUAL AS APPLICABLE TO THE PROJECT.

KEYNOTES

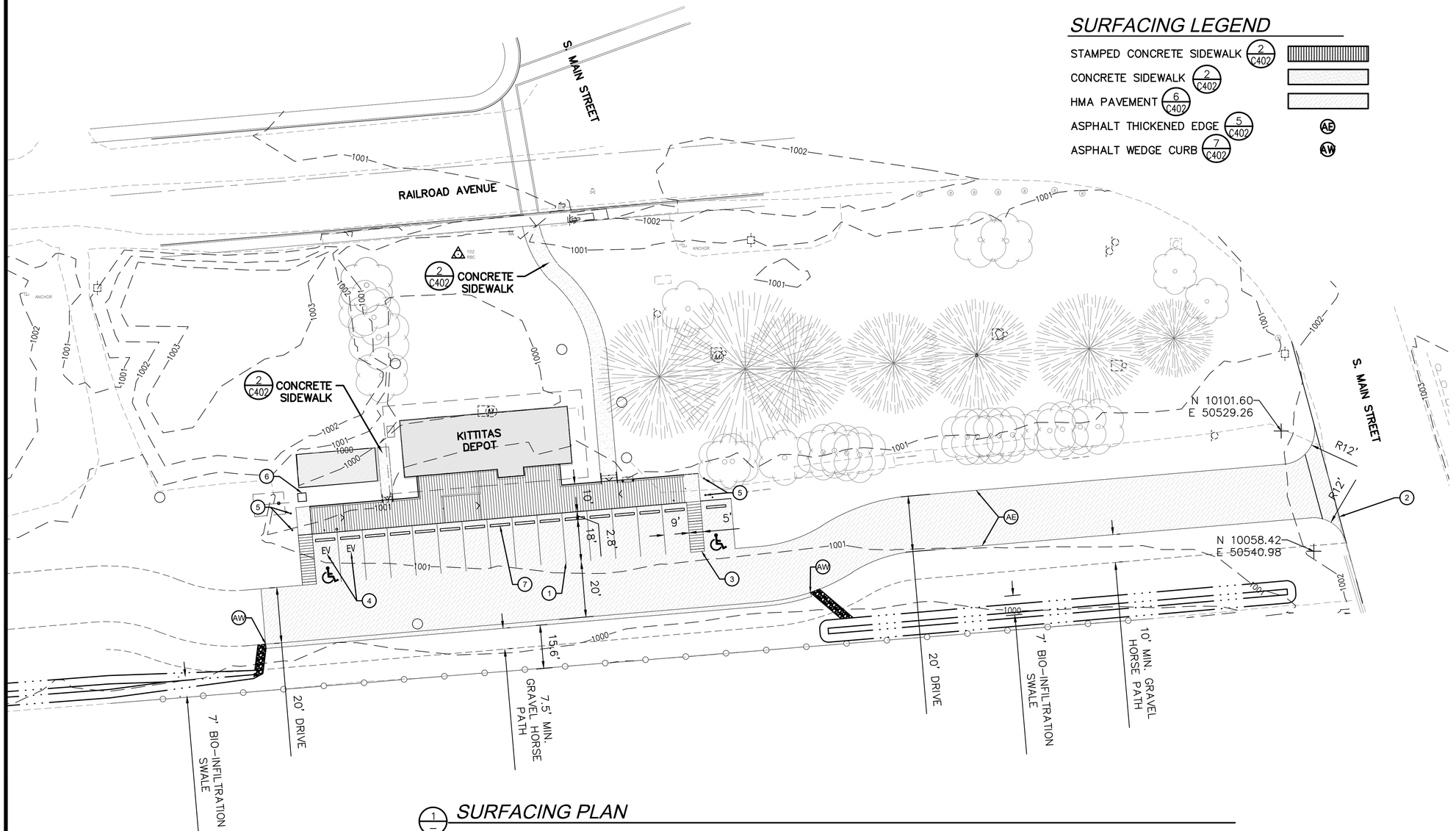
1. PARKING STALL
2. DRIVEWAY HMA APPROACH (HOT TAR SEAL JOINT)
3. BARRIER FREE PARKING (3/C402)
4. EV STALL
5. BOLLARD (4/C402)
6. IN GROUND VAULT FOR FUTURE FOOD TRUCK HOOK UP
7. CONCRETE WHEEL STOP (1/C402)

N

0 20' 40'

SURFACING LEGEND

- STAMPED CONCRETE SIDEWALK (2/C402)
- CONCRETE SIDEWALK (2/C402)
- HMA PAVEMENT (6/C402)
- ASPHALT THICKENED EDGE (5/C402) — AE
- ASPHALT WEDGE CURB (7/C402) — AW



1/— SURFACING PLAN

SHEET 12 OF 54

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KITTITAS DEPOT HISTORIC PRESERVATION

SURFACING AND HORIZONTAL CONTROL PLAN

C-401

SCALE
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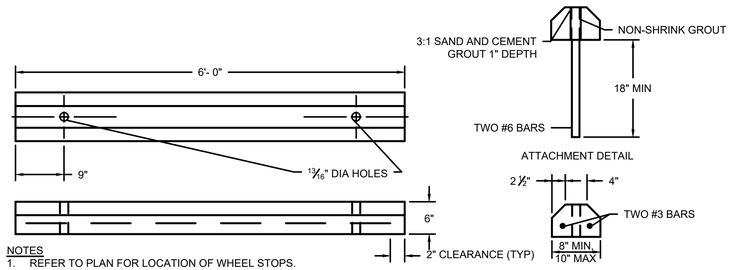
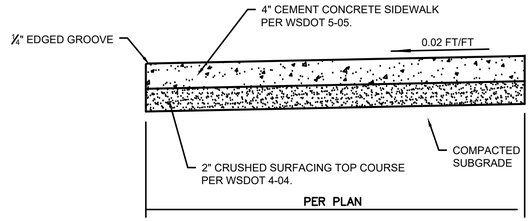


NOTES
1. REFER TO PLAN FOR LOCATION OF WHEEL STOPS.
2. OFFSET REQUIRED BETWEEN CURB AND WHEEL STOP IS 1'.
3. WHEEL STOPS SHALL BE FLOW THROUGH TYPE.

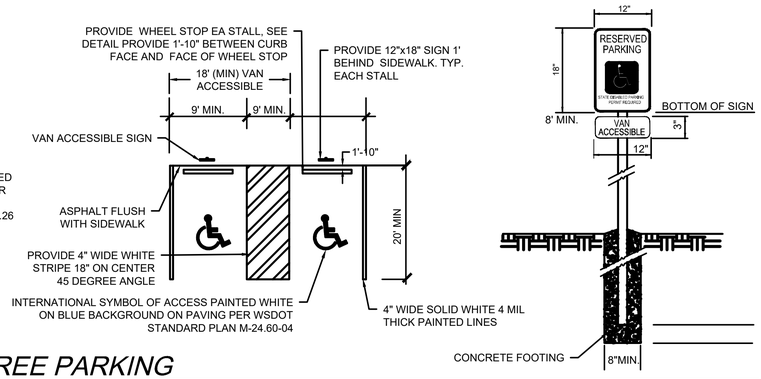
1 CONCRETE WHEEL STOP



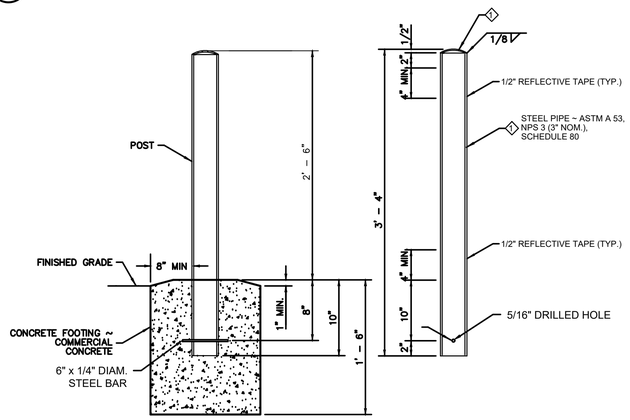
NOTES:
1. CEMENT CONCRETE SHALL BE CLASS 3000 AIR ENTRAINED.
2. COMPACTION FOR CONCRETE WALKS TO BE 95% MAXIMUM DENSITY.
3. EXPANSION JOINTS CONSISTING OF 3/8" BY 4" PREMOLDED JOINT MATERIAL SHALL BE PLACED AT 15 FOOT INTERVALS. 1/4" EDGE GROOVE SHALL BE PROVIDED AT JOINT EDGES.

2 CONCRETE SIDEWALK SECTION

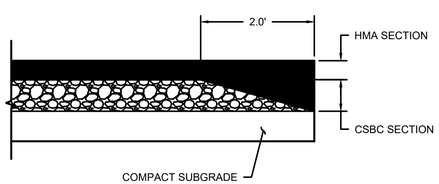
NOTES:
1. SEE SITE PLAN FOR PARKING SPACE LOCATIONS.
2. PAVEMENT SLOPES SHALL NOT EXCEED 2% IN ANY DIRECTION WITHIN BARRIER FREE PARKING SPACES.
3. MARKINGS TO COMPLY WITH IBC 1101.26 AND WASHINGTON ADMINSTRATIVE CODE AMENDMENTS.



3 BARRIER FREE PARKING

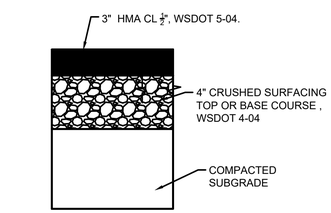


4 BOLLARD



NOTES
1. ALL MEASUREMENTS SHOWN ARE COMPACTED DEPTHS.
2. ONSITE SAND, SAND , GRAVEL AND SILTY GRAVEL CAN BE USED FOR STRUCTURAL FILL. TOPSOIL, SILT AND ASH SOILS ARE NOT SUITABLE FOR STRUCTURAL FILL.

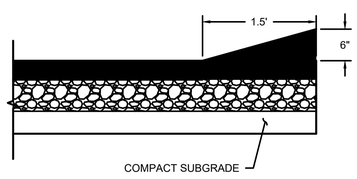
5 ASPHALT THICKENED EDGE



STANDARD DUTY

NOTES:
1. DEPTHS ARE COMPACTED THICKNESS
2. REFER TO GEOTECHNICAL REPORT FOR PAVEMENT RECOMMENDATIONS
3. COMPACT SUBGRADE PER THE GEOTECHNICAL REPORT'S RECOMMENDATIONS.

6 ASPHALT PAVEMENT SECTION



NOTES
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3. RAISED PORTION SHALL BE HOT MIX ASPHALT CONSTRUCTED INTEGRALLY WITH ROAD PAVEMENT.

7 ASPHALT WEDGE CURB

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KITTITAS DEPOT HISTORIC PRESERVATION

SURFACING NOTES AND DETAILS

C-402

SCALE
AS SHOWN

PARKS FILE# I500-6619-2024

SHEET 13 OF 54

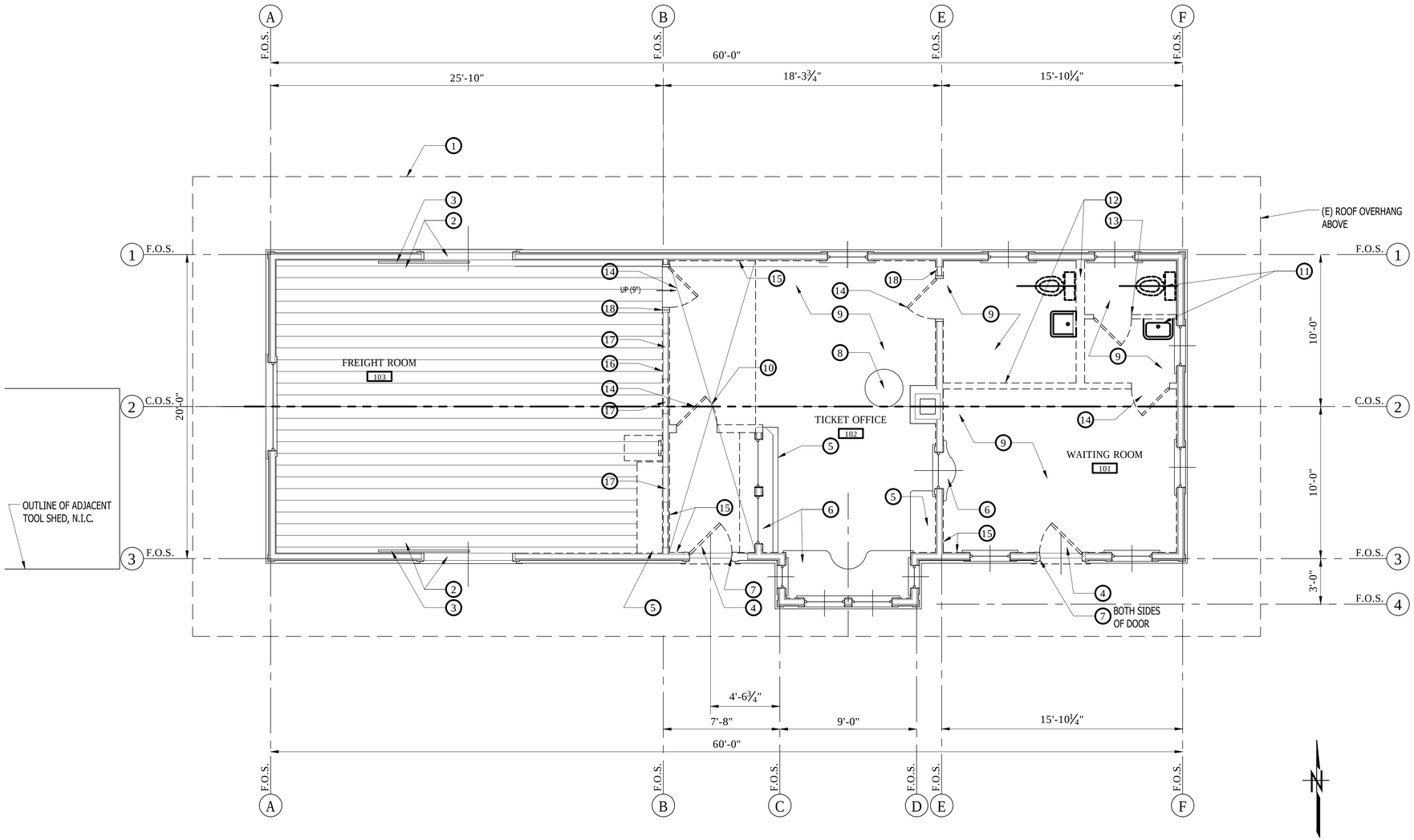
DATE: August 9, 2024 FILENAME: Q:\2023\2230784\10_CIV\CAD\2230784-SURF.dwg

NOTES:

1. ROOF LINE ABOVE
2. (E) ROUGH SAWN WOOD FLOORS, REMOVE DAMAGE PLANKS AND SILL / THRESHOLD AT FREIGHT DOORS.
3. (S) DAMAGED FREIGHT DOOR FOR REPAIR AND REINSTALLATION WITHIN THEIR CURRENT OPENING.
4. (S) DOOR, DOOR FRAME AND TRANSOM SASH
5. (R) EXISTING STORAGE CABINET.
6. (E) CASEWORK AND COUNTERTOP, REMOVE MASONITE AND GLUE FROM ORIGINAL COUNTER TOP AND WOOD NOSING, TYP.
7. ENLARGE DOOR OPENING WIDTH AT BUILDING ENTRY POINTS FOR NEW DOORS FRAMES AND TRANSOM SASH.
8. (S) CAST IRON STOVE.
9. (S) TOP LAYER OF MAPLE FLOORING, TO EXPOSE ORG. FLOORING BELOW.
10. (S) MAPLE AND ORIG. FLOORING BELOW IN NEW HALLWAY AREA DOWN TO SUBFLOORING.
11. (D) PLUMBING FIXTURES, TYP.
12. (D) WALLS FLOOR TO ORIGINAL CEILING ABOVE.
13. (D) WOODEN TOILET PARTITION AND DOOR.
14. (S) INTERIOR DOORS AND FRAMES, TYP.
15. (D) FIBER BOARD WALL AND CEILING FINISH, AND PLYWOOD WAINSCOT, DOWN TO ORIGINAL BEAD BOARD FINISH, PROTECT TRIM, STOOL AND APRONS AT WINDOWS THAT ARE BEING RETAINED AND RESTORED IN PLACE, TYP.
16. (S) SLIPLAP WALL PLANKS TO REUSE ON NEW EAST WALL OF FREIGHT ROOM
17. (D) WALL FOR NEW OPENING IN WALL, (S) WOODEN WALL PANELING.
18. ENLARGE WALL OPENING, (S) WOODEN WALL PANELING.

GENERAL NOTES:

1. ABBREVIATIONS:
   (D) DEMOLITION
   (E) EXISTING TO REMAIN.
   (R) RELOCATE WITHIN PROJECT
   (S) SALVAGE FOR REUSE OR OWNER
2. CARE SHALL BE TAKEN IN REMOVING MATERIALS FROM ORIGINAL FINISHES IN ORDER TO PROTECT THEM FROM FURTHER DAMAGE.
3. ANY HISTORICAL ARTIFACTS FOUND DURING THE CONSTRUCTION SHOULD BE REVIEWED BY THE OWNER AND TURNED OVER TO THE OWNER, IF FOUND TO BE OF VALUE PRIOR TO DISPOSAL.
4. REMOVE ALL UNUSED ELECTRICAL ITEMS AND EQUIPMENT, NOT BEING REUSED IN THIS PROJECT, FROM THE STRUCTURE.
5. REMOVE ALL UNUSED FASTENERS, ANCHORS AND ASSOCIATED MISC. ITEMS FROM THE EXTERIOR AND INTERIOR FINISHES AND REPAIR DAMAGE.
6. ALL ORIGINAL TRIM, AND BEADBOARD WALL AND CEILING MATERIALS ARE TO BE SALVAGED FOR REUSE IN THE PROJECT.
7. ALL WINDOWS ARE ORIGINAL AND ARE TO BE RESTORED, PROTECT DURING DEMOLITION.
8. INTERIOR DOORS AND FRAMES ARE TO BE SALVAGED AND TURNED OVER TO THE OWNER, BUT WILL NOT BE REUSED IN THIS PROJECT.
9. EXTERIOR DOORS ARE TO BE SALVAGE AND TURNED OVER TO THE OWNER, BUT WILL NOT BE REUSED IN THIS PROJECT, U.N.O. THE EXTERIOR FRAMES MAY BE MODIFIED AND REUSED IF POSSIBLE.
10. (E) FREIGHT DOORS AND FRAMES ARE TO BE RETAINED AND RESTORED FOR USE IN THEIR CURRENT LOCATIONS.
11. CLEANING AND PREPARATION OF MATERIALS TO BE REUSED SHALL BE BY THE GENTLEST MEAN POSSIBLE IN ACCORDANCE WITH THE SECRETARY OF THE INTERIORS STANDARDS FOR REHABILITATION.
12. BASED ON THE BUILDINGS AGE ASSUME LEAD PAINT IS PRESENT IN THE (E) FINISH.



SELECTIVE DEMOLITION PLAN

1/4" = 1'-0"

SHEET 14 OF 54

CAD NO. StylesheetPCSv3-2.dwg

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JJR	08/09/24
DRAWN	JJR	08/09/24
CHECKED (FIELD)		
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6934 REGISTERED ARCHITECT
LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

SELECTIVE DEMOLITION PLAN

AD01

SCALE
1/4" = 1'-0"

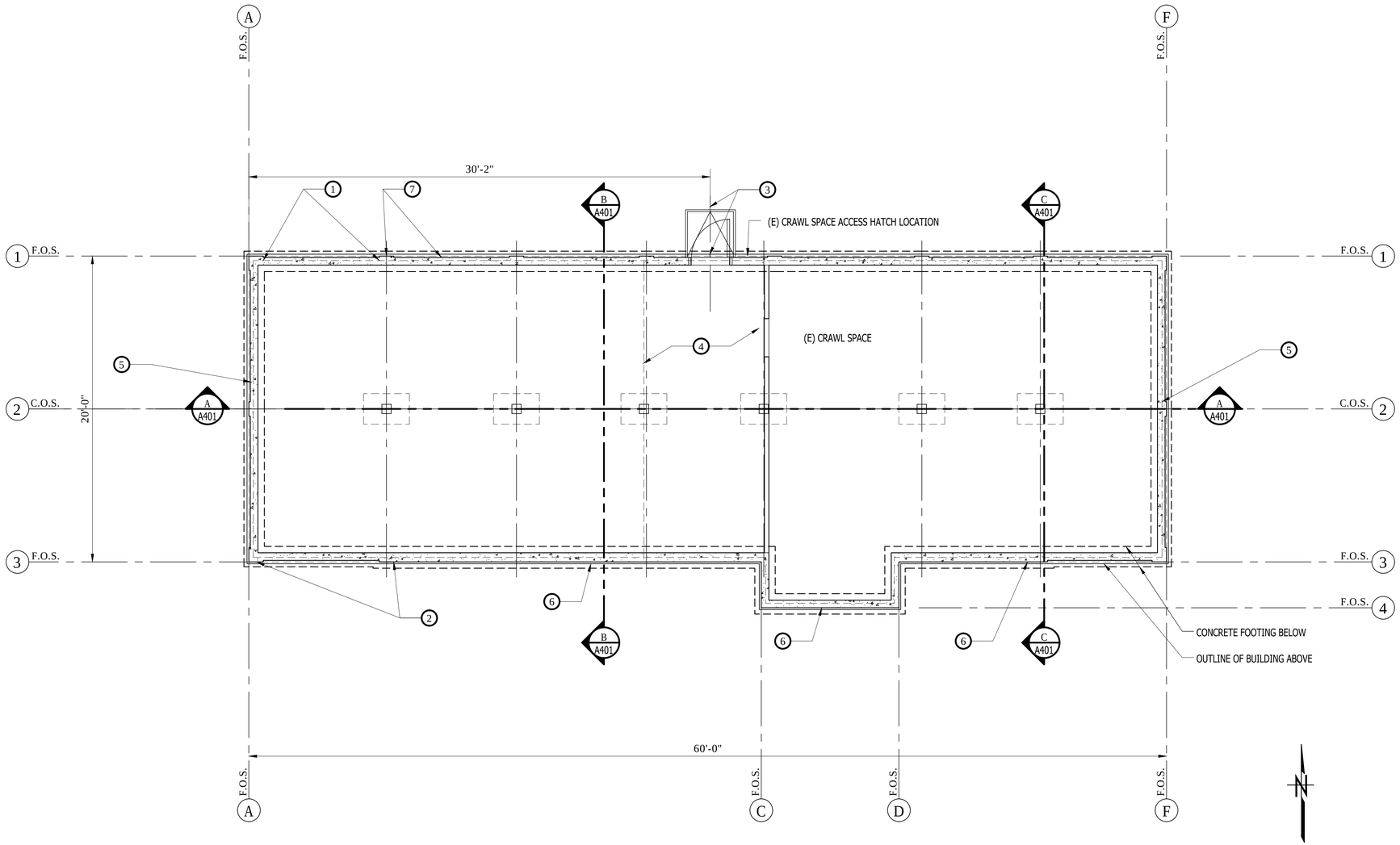
PARK FILE# I500-6619-2024

NOTES:

1. (D) EXISTING SUPPORT POST AND CONCRETE, INCLUDING CRAWL SPACE WOOD SKIRTING
2. CONCRETE FOUNDATION WALL AND FOOTING, REFER TO STRUCTURAL.
3. 30"x24" LOCKABLE CRAWL SPACE ACCESS DO IN FOUNDATION WALL. 36" SQ. ACCESS WELL WITH TREATED 2X TREADED LID, REFER TO DETAIL G/A601.
4. INSTALL CLASS 1 VAPOR RETARDER, BARRIER ON GRADE WITHIN CRAWL SPACE.
5. CRAWL SPACE VENTILATION LOUVER 1 SF MIN. AREA TOTAL CLEAR AREA PER (IBC 1202.4.1.2)
6. DAMPPROOF FOUNDATION WALL BELOW GRADE AND INSTALL 4" DIA. PERFORATED FOOTING DRAIN.
7. OUTLINE OF FOUNDATION WALL TO REFLECT ORIGINAL WOOD POST LAYOUT WITH 1 1/8" RECESSED PANEL IN BETWEEN. PILASTERS TO HAVE ROUGH SAWN FINISH APPEARANCE, RECESSED PANEL TO HAVE FORMLINER FINISH, 5" VERTICAL PLANKS APPEARANCE. CONTRACTOR TO PROVIDE MOCKUP FOR REVIEW PRIOR TO INSTALLATION.

GENERAL NOTES:

1. ABBREVIATIONS:
   (D) DEMOLITION
   (E) EXISTING TO REMAIN.
   (R) RELOCATE WITHIN PROJECT
   (S) SALVAGE FOR REUSE OR OWNER
2. REFER TO STRUCTURAL DOCUMENT FOR REPAIRS OR REPLACEMENT OF FOUNDATION SYSTEM
3. EXISTING BUILDING HAS SETTLED OVERTIME, MAKE REPAIRS TO REALIGN BUILDING STRUCTURE TO LEVEL AND PLUMB CONDITIONS, PRIOR TO RESTORATION AND ADDITIONS TO BUILDING THAT WOULD BE IMPACTED BY THIS EFFORT.
4. RAISE AND SHORE EXISTING BUILDING, DEMOLISH AND REMOVE CURRENT FOUNDATION SYSTEM, A SERIES OF UNTREATED WOOD PIER RESTING ON UNREINFORCED CONCRETE PAD, WITH LIMITED DIAGONAL BRACING.
5. INSTALL NEW FOUNDATION SYSTEM, LOWER (E) BUILDING AND ANCHOR (E) STRUCTURE TO NEW FOUNDATION, REFER TO STRUCTURAL DRAWINGS.
6. CONCRETE FOUNDATION WALLS AND FOOTING ARE NEW U.N.O.



1/- FOUNDATION PLAN

4' 0 8'

SHEET 15 OF 54

CAD NO. StylesheetPCSv3-2.dwg

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6934 REGISTERED ARCHITECT LOWELL CATE STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

FOUNDATION PLAN

A101

SCALE 1/4" = 1'-0"

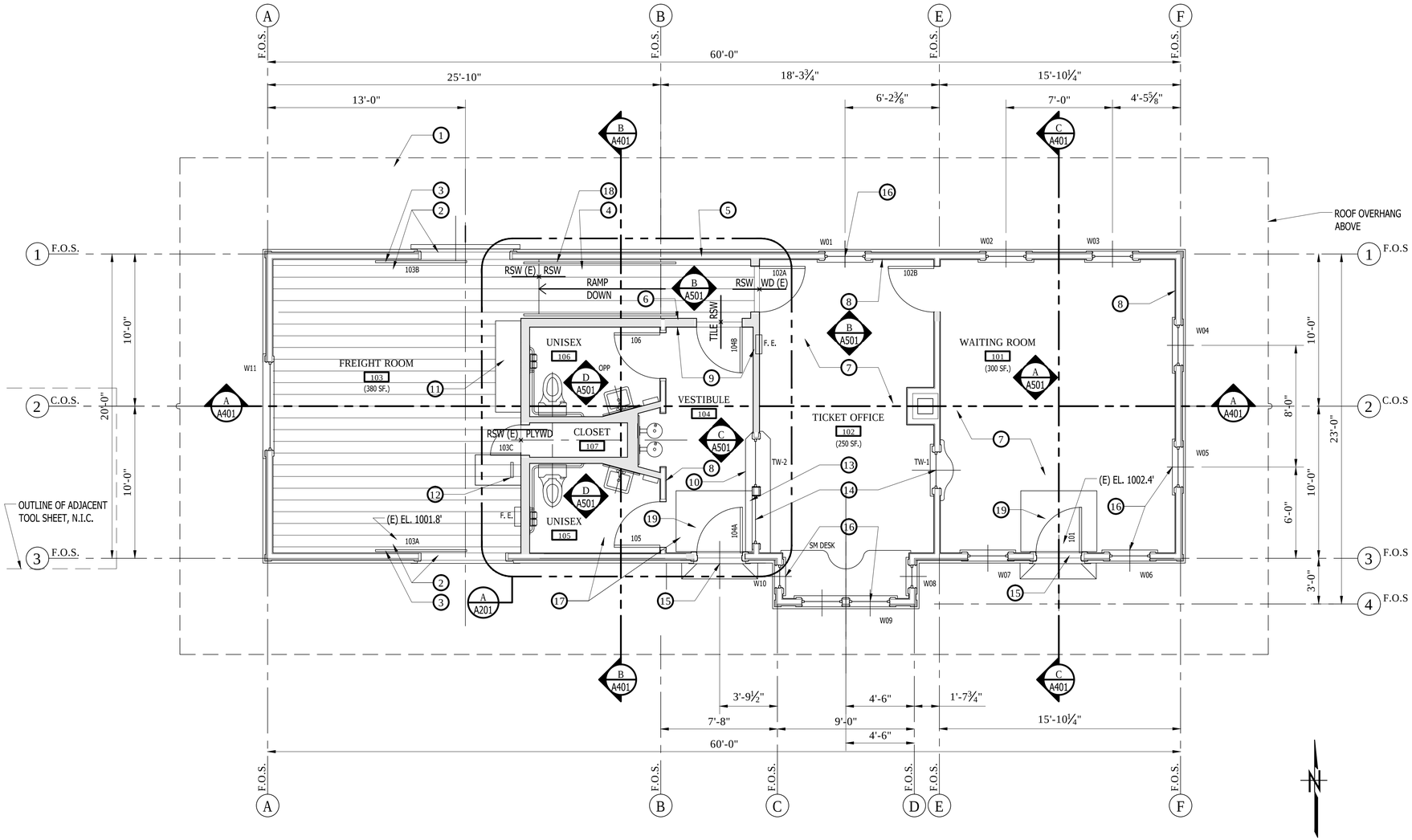
PARK FILE# I500-6619-2024

NOTES:

1. OUTLINE OF ROOF OVERHANG ABOVE
2. (E) ROUGH SAWN WOOD FLOORS, REPAIR MISSING AND DAMAGE PLANKS IN MATCHING MATERIAL AND TEXTURE.
3. REPAIR DAMAGED FREIGHT DOOR, RESTORE DOOR, REPLACE THRESHOLD AND SILL, PAINT. RESTORE HARDWARE TO BE FULLY FUNCTIONAL
4. ROUGH SAWN FLOOR FINISH ON RAMP, SIMILAR TO FREIGHT ROOM FLOOR.
5. INSULATE ALL EXTERIOR WALLS WITH BLOWN IN LOOSE CELLULOSE INSULATION.
6. INSULATE ALL INTERIOR WALLS WITH BATT INSULATION, R-21 IN 2x6 AND R-15 IN 2x4.
7. REPAIR AND REFINISH ORIGINAL FIR T & G FLOORS IN THE WAITING ROOM AND TICKET OFFICE, PATCH WITH SALVAGED FLOORING.
8. PATCH AND RESTORE (E) BEAD BOARD WALL AND CEILING FINISH, PAINT.
9. INSTALL SALVAGED BEAD BOARD WALL FINISH IN VESTIBULE AND CEILING, RESTORE AND PAINT.
10. SHORTEN DEPTH OF (E) FIR COUNTER TOP AND SUPPORTING BRACKETS, REPAIR AND REPAINT.
11. REINSTALL EXISTING STORAGE CABINET.
12. METAL ATTIC ACCESS LADDER AND HATCH ABOVE..
13. RESTORE AND REPAINT (E) CASEWORK AND COUNTERTOP, TYP.
14. RESTORE, PREP AND PAINT INTERIOR TRANSACTION WINDOWS, REPLACE BROKEN GLASS, REPAIR HARDWARE TO FULL FUNCTION., TYP. REPLACED DAMAGED TRIM IN MATCHING SIZE, PROFILE AND MATERIAL.
15. ENLARGE DOOR OPENING WIDTH AT BUILDING ENTRY POINTS AND INSTALL WOOD FRAMES, TRANSOMS AND DOORS SIMILAR TO ORIGINAL STYLE AND PATTERN.
16. RESTORE ALL WINDOWS, REPLACE BROKEN GLASS, REGLAZE AND REPAIR HARDWARE, NOTE (E) EXTERIOR WINDOWS HAVE NO COUNTERWEIGHT SYSTEM. REFER TO SPECIFICATION FOR WINDOW HARDWARE.
17. TILE FLOORING OVER 1/2" CEMENT BOARD UNDERLAYMENT IN RESTROOMS AND ENTRY VESTIBULE.
18. 1 1/2" METAL HANDRAILS BOTH SIDES OF RAMP, EXTEND 12" TOP AND BOTTOM.
19. 48" X 60" WALK OFF MAT (WOM-1)

GENERAL NOTES:

1. FIELD VERIFY ALL DIMENSIONS SHOWN.
2. RESTORE ALL WINDOW SASH AND FRAMES TO FULL OPERATIONS. REMOVE PAINT FINISH, REPAIR, PREP AND REPAINT. REMOVE AND REGLAZE ALL GLASS. REPLACE BROKEN OR DAMAGED GLASS PANES.
3. ALL ELECTRICAL, MECHANICAL AND PLUMBING SYSTEMS AND COMPONENTS ARE NEW.
4. REPLACE ALL INTERIOR SWINGING DOORS, FRAMES AND HARDWARE, DOOR TRIM TO MATCH ORIGINAL JAMB AND HEAD DESIGN.
5. ALL TRIM AND BEADBOARD WALL AND CEILING MATERIALS ARE TO BE SALVAGED FOR REUSE IN THE PROJECT, UNO
6. TRANSACTION WINDOW & COUNTER (TW-1) TICKET WINDOW, BAGGAGE WINDOW & PARTITION WALL (TW-2) AND STATION MASTERS DESK (SMD) TO HAVE PAINT REMOVED AND MILLWORK RESTORED, PT-E
7. REFER TO DETAIL J/A601 FOR MOULDING, TRIM AND BASE PROFILES.



1 / - FLOOR PLAN

0 4' 8'

SHEET 16 OF 54

CAD NO. StylesheetPCSv3-2.dwg

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6934 REGISTERED ARCHITECT LOWELL CATE STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

FLOOR PLAN

A102

SCALE 1/4" = 1'-0"

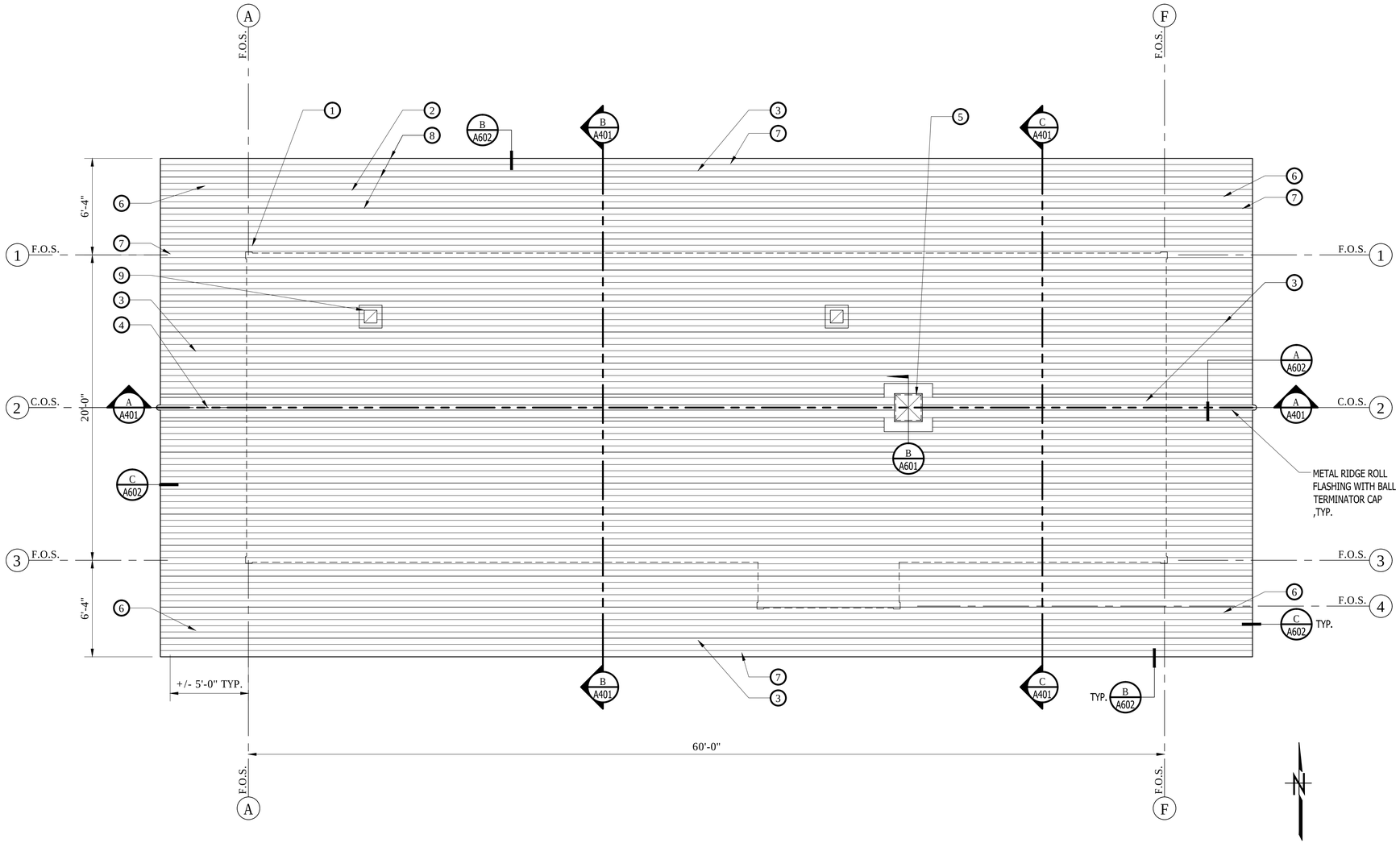
PARK FILE# I500-6619-2024

NOTES:

6. OUTLINE OF WALL BELOW FOR REFERENCE.
2. SHINGLE ROOFING OVER UNDERLAYMENT. PT-6, TYP.
3. SELF ADHERING FLASHING ALONG OVER FIRST 36" OF ROOF EDGE ALL SIDES AS WELL AS RIDGE.
4. METAL RIDGE ROLL CAP FLASHING FULL LENGTH OF RIDGE WITH 3" BALL TERMINATOR. CUT 2" OPENING THOUGH SHEATHING ALONG LENGTH OF ATTIC AT RIDGE FOR VENT. DO NOT CUT INTO EXPOSED SOFFIT. REFER TO DETAIL A/A601
5. DECORATIVE CHIMNEY, THIN BRICK VENEER WITH PRECAST CONCRETE CAP. DETAIL B/A601
6. REFER TO STRUCTURAL DRAWINGS FOR REPAIRS TO CORRECT SAGGING ROOF LINE AT LOWER GABLE EDGES
7. REPLACE MISSING WOOD ROOF EDGE AND INSTALL FLASHING. REFER TO DETAILS B & C /A601
8. DOUBLE SHINGLE COURSE, AT THE EAVES, THREE COURSES ABOVE THE EAVES AND THEN EVERY 5TH COURSE.
9. ROOF CAPS, SEE MECHANICAL

GENERAL NOTES:

1. ABBREVIATIONS:
   (D) DEMOLITION
   (E) EXISTING TO REMAIN.
   (R) RELOCATE WITHIN PROJECT
   (S) SALVAGE FOR REUSE OR OWNER
2. REFER TO STRUCTURAL DOCUMENT FOR ADDITIONAL REPAIRS AND STRUCTURAL IMPROVEMENTS
3. EXISTING BUILDING ROOF HAS SETTLED OVERTIME AT BOTH EAST AND WEST GABLES, MAKE REPAIRS TO REALIGN BUILDING STRUCTURE TO A LEVEL AND PLUMB CONDITIONS, PRIOR TO RESTORATION TO BUILDING ELEMENTS THAT WOULD BE IMPACTED BY THIS EFFORT.
4. REMOVE EXISTING ROOFING AND UNDERLAYMENT DOWN TO ROOF SHEATHING. REPLACE DAMAGED SHEATHING. INSTALL DRAINAGE MATT, UNDERLAYMENT AND RESISTANT TREATED CEDAR SHINGLES.
5. RECONSTRUCT MISSING ROOF EDGE DETAIL AND TRIMWORK, WITH METAL DRIP EDGE ALL SIDES. REFER TO DETAILS B & C/A601



1 ROOF PLAN

4' 0 8'

SHEET 17 OF 54

CAD NO. StylesheetPCSv3-2.dwg

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6934 REGISTERED ARCHITECT
LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

ROOF PLAN

A103

SCALE
1/4" = 1'-0"

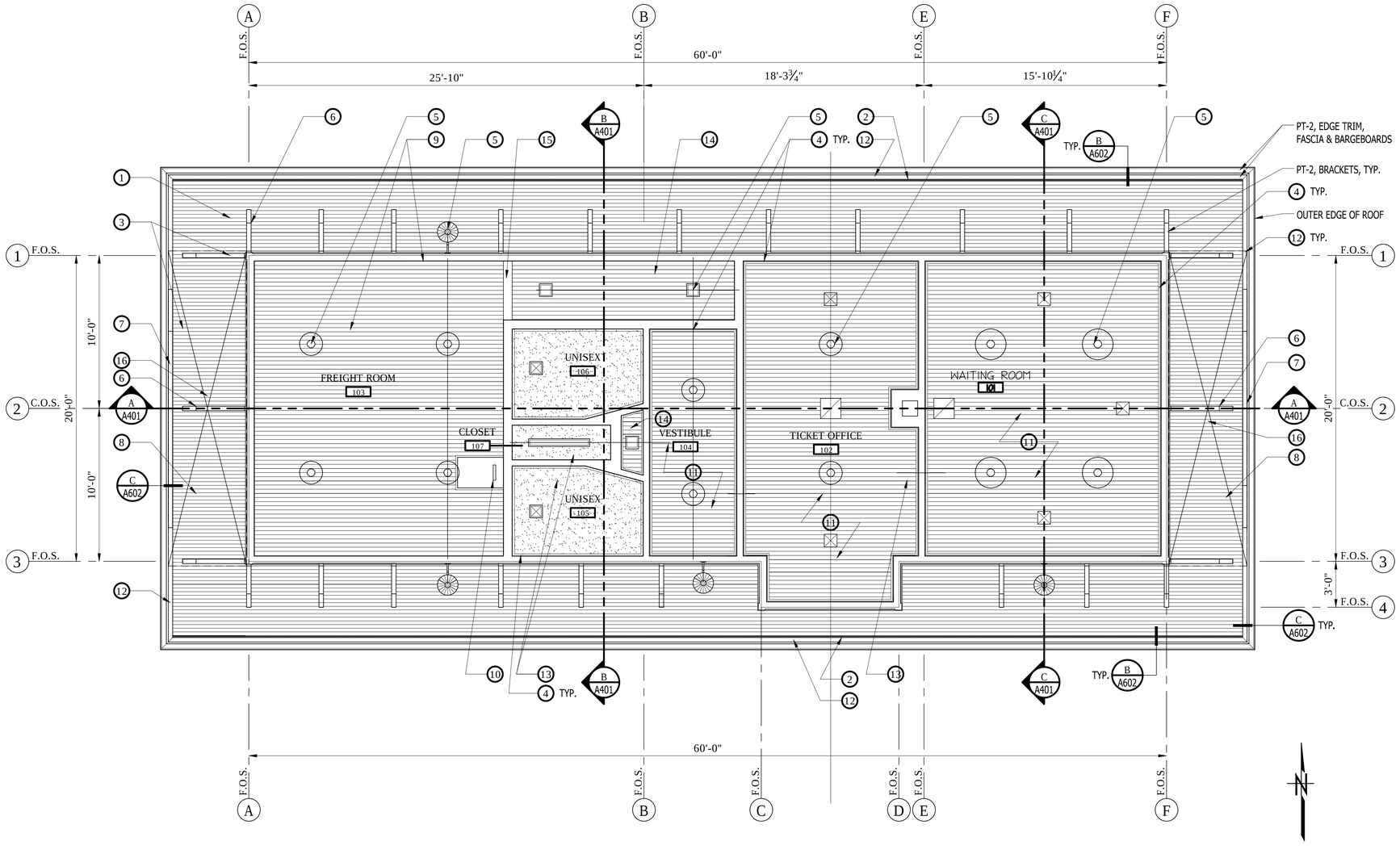
PARK FILE# I500-6619-2024

NOTES:

1. REPAIR & RE-NAIL SOFFITS TO RAFTERS AS NEEDED TO SECURE THE SOFFITS IN PLACE.
2. CONTINUOUS SOFFIT VENT, BRONZE INSECT WIRE FASTENED TO BOTTOM OF (E) RAFTER TAILS.
3. CAREFULLY STRIP PAINT BY HAND ON ALL EXTERIOR WOODWORK, BRACKETS, SOFFITS, SIDING, TRIM, ECT., PREP AND PAINT TYP.
4. WOOD COVE AND CORNICE BOARD TRIM, PAINT TYP. PT-A
5. LIGHT FIXTURE, SEE ELECTRICAL.
6. (E) ROOF BRACKETS (26 TOTAL), PT-2
7. (E) WOOD TRUSSWORK AT GABLES, PT-2
8. (E) WOOD BEAD BOARD SOFFIT, PT-1
9. (E) WOOD CEILING IN FREIGHT ROOM AND WOOD SHIPLAP SIDING ON WALLS REMAIN UNPAINTED.
10. METAL ATTIC ACCESS LADDER AND 24"X36" INSULATED HATCH.
11. REPAIR, PREP AND PAINT BEAD BOARD CEILINGS, TYP. PT-B
12. 1x4 WOOD TRIM ALONG EDGE OF SOFFIT, TYP., PT-2
13. PAINTED GWB CEILING IN UNISEX RESTROOMS AND CLOSET, CEILING HEIGHT 8'-4 1/2". PT-B
14. WOOD BEADBOARD CEILING, PT-B
15. WOOD FALSE BEAMWORK, PT-A
16. CAREFULLY REMOVE T&G SOFFIT BOARDS FOR REINSTALLATION AFTER STRUCTURAL REPAIRS TO ROOF AT GABLE ENDS OF THE BUILDING. REFER TO STRUCTURAL DRAWINGS.

GENERAL NOTES:

1. ABBREVIATIONS:
   (D) DEMOLITION
   (E) EXISTING TO REMAIN.
   (R) RELOCATE WITHIN PROJECT
   (S) SALVAGE FOR REUSE OR OWNER
2. REFER TO STRUCTURAL DOCUMENT FOR ADDITIONAL REPAIRS AND STRUCTURAL IMPROVEMENTS
3. REPAIR (E) BEADBOARD SOFFITS, STRIP PAINT AND REFINISH.
4. REMOVE FIBERBOARD CEILING COVING DOWN TO ORG. BEADBOARD WOOD CEILINGS, RESTORE AND REPAINT CEILINGS., TYP.



1 REFLECTED CEILING PLAN

4' 0 8'

SHEET 18 OF 54

CAD NO. StylesheetPCSv3-2.dwg

NO.	REVISIONS	INT.	APP.	DATE

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DESIGNED	JJR	06/07/24
DRAWN	JJR	06/07/24
CHECKED (FIELD)		
CHECKED (HDQTS.)		

6934 REGISTERED ARCHITECT LOWELL CATE STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

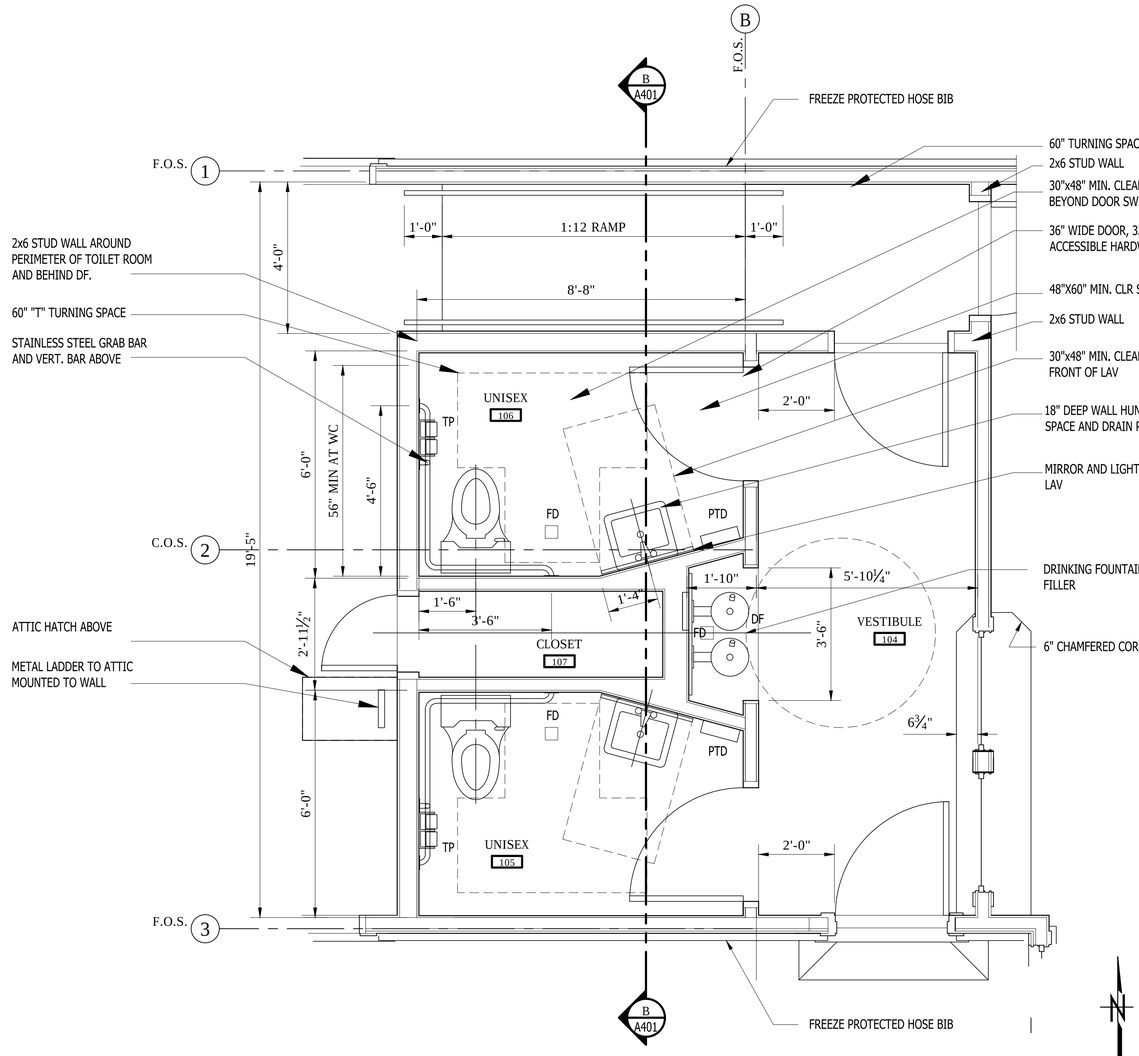
KITTITAS DEPOT HISTORIC PRESERVATION

REFLECTED CEILING PLAN

A104

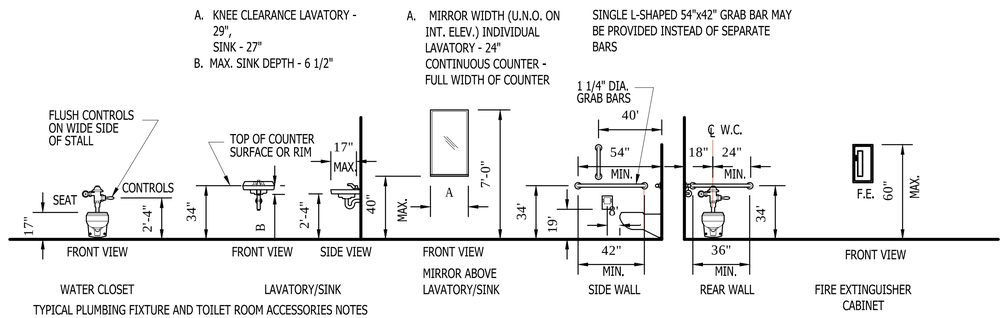
SCALE 1/4" = 1'-0"

PARK FILE# I500-6619-2024



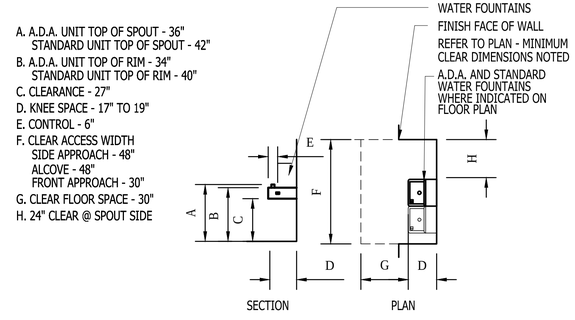
A - ENLARGED FLOOR PLAN

0 2 4



TYPICAL PLUMBING FIXTURE AND TOILET ROOM ACCESSORIES NOTES
1. ALL PLUMBING FIXTURES AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH ADA REQUIREMENTS.
2. PROVIDE SOLID BLOCKING/BACKING IN FRAMED WALLS TO AT LEAST 6 BEYOND EDGE OF ITEM AND TO NEXT STUD.

B - FIXTURE MOUNTING HEIGHTS



C - DRINKING FOUNTAIN CLEARANCE & HEIGHTS

SHEET 19 OF 54

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LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

ENLARGED PLAN

A201

SCALE
AS SHOWN

PARK FILE# I500-6619-2024

COLORS AND MATERIALS SCHEDULE

DIVISION 3 - CONCRETE

SYMBOL	MATERIAL	MANUFACTURER	COLOR / PATTERN / TYPE	LOCATION
CONC-1	CONCRETE	-	NATURAL / LIGHT SAND FINISH	GENERAL CONCRETE
CONC-2	CAST-IN - PLACE CONCRETE	PER SPECIFICATIONS	NATURAL / ROUGH SAWN WOOD FORMLINER FINISH	FOUNDATION WALL
CONC-3	CAST-IN - PLACE CONCRETE	PER SPECIFICATIONS	NATURAL / WOOD PLANK FORMLINER FINISH	FOUNDATION WALL
CONC-4	STAMPED CONCRETE	PER SPECIFICATIONS	NATURAL / WOOD PLANK FORMLINER FINISH	PLATFORM PAVING AND EDGE
APC-4	ARCHITECTURAL PRECAST CONCRETE	PER SPECIFICATIONS	STAINED / WOOD PLANK FORMLINER FINISH	CHIMNEY CAP

DIVISION 4 - MASONRY

TBV-1	THIN BRICK VENEER	MUTUAL MATERIALS	OLD UNIVERSITY / CRAFTSMEN SLIMBRICK	CHIMNEY
MR-1	MORTAR	DESIGNMIX	MATCH EXISTING CHIMNEY MORTAR COLOR	CHIMNEY

DIVISION 5 - METALS

MTL-1	METAL FLASHING AND TRIM	-	PT-2	-
MTL-2	METAL FLASHING AND TRIM	-	PT-3	-

DIVISION 6 - WOOD - PLASTICS - COMPOSITES

WD-1	WESTERN RED CEDAR	-	COLOR, PATTERN & PROFILE PER ELEVATIONS	EXTERIOR SIDING / TRIM
WD-2	DOUGLAS FIR	-	COLOR, PATTERN & PROFILE PER ELEVATIONS	INTERIOR & EXTERIOR
WD-3	POLY-ASH COMPOSITE	BORAL TRU-EXTERIOR	COLOR, PATTERN & PROFILE PER ELEVATIONS	EXTERIOR SIDING / TRIM

DIVISION 7 THERMAL AND MOISTURE PROTECTION

CS-1	CEDAR SHINGLES	PER SPECIFICATIONS	FIRE RESISTANT TREATED - UNSTAINED	ROOF

DIVISION 8 - OPENINGS

SR-1	STYLE & RAIL WOOD DOORS	PER SPECIFICATIONS	STAIN & VARNISHED FINISH INT. FACES, PT-3 EXT. FACE & FREIGHT DRS.	-
SW-1	WOODEN STORM WINDOW	PER SPECIFICATIONS	PT-3	-
WW-1	(E) WOOD WINDOWS	-	PT-3	-
GL-1	GLASS	PER SPECIFICATIONS	-	-

DIVISION 9 - FINISHES

GT-1	GROUT	CUSTOM BUILDING PRODUCTS	060 "CHARCOAL"	TERRACOTTA TILE GROUT
GT-2	GROUT	CUSTOM BUILDING PRODUCTS	382 "BONE"	CERAMIC TILE GROUT
TL-1	TILE	CASA TILE / MEXICAN TILE	COLOR: FLR. TILE: RED BISQUE; BASE: SPANISH MISSION RED	TERRACOTTA FLOOR TILE & BASE
TL-2	TILE	DALTILE	COLOR: ALMOND; COLOR WHEEL CLASSIC COLLECTION	WALL TILE, BASE AND CAP
WF-1	WOOD FLOORING	PER SPECIFICATIONS	FLOOR VARNISHED FINISH - SATIN - DOUGLAS FIR	WAITING ROOM
WF-2	WOOD FLOORING	PER SPECIFICATIONS	FLOOR VARNISHED FINISH - SATIN - WHITE OAK	TICKET OFFICE
PT-1	PAINT	SHERWIN WILLIAMS	CUSTOM COLOR MATCH, ORANGE (SW 8055-19406) SATIN FINISH.	EXTERIOR SIDING & SOFFIT
PT-2	PAINT	SHERWIN WILLIAMS	CUSTOM COLOR MATCH, DEEP RED (SW 8055-14497) SATIN FINISH.	EXTERIOR TRIM
PT-3	PAINT	SHERWIN WILLIAMS	SW 6258, "TRICORN BLACK" SEMI-GLOSS FINISH.	EXTERIOR WINDOWS
PT-4	PAINT	SHERWIN WILLIAMS	SW 6258, "TRICORN BLACK" OVER GALVANIZED STEEL, SEMI-GLOSS FIN.	EXTERIOR & INTERIOR METAL
PT-5	PAINT	SHERWIN WILLIAMS	SW 6903, "CHEERFUL" OVER GALVANIZED STEEL (SAFETY YELLOW)	METAL BOLLARDS
PT-A	PAINT	SHERWIN WILLIAMS	SW 6122 "CAMELBACK", SATIN FINISH"	INT. TRIM & WINDOW SASH.
PT-B	PAINT	SHERWIN WILLIAMS	SW 9023 "DAKOTA WHEAT" "EGGSHELL FINISH"	CEILING & UNISEX WALLS
PT-C	PAINT	SHERWIN WILLIAMS	SW 0067 "BELVEDERE CREAM", EGGSHELL FINISH	WAITING RM & VESTIBULE WALLS
PT-D	PAINT	SHERWIN WILLIAMS	SW 9027 " PALE MOSS", EGGSHELL FINISH	TICKET OFFICE WALLS
PT-E	PAINT	MINWAX	STAIN & VARNISH, SEMI TRANSPARENT, PROVINCIAL 211	TRANSACTION WINDOW, DESK

DIVISION 12 - FURNISHINGS

WM-1	WALK OFF MAT	MILKEN	QUADRUS LIFTOFF MAT, COLOR: CONVERGE	EXTERIOR ENTRY DOORS
RS-01	ROLLER SHADE	HUNTER DOUGLAS	FABRIC: ALUSTRA, COLOR BEACH	ALL WINDOWS, EXT. & INT. RELTES
				EXCLUDING FREIGHT ROOM.

GENERAL NOTES;

1. STANDARD ABBREVIATIONS LIST: REFER TO SHEET G003
2. INSTALL MATERIALS AND PRODUCTS IN ACCORDANCE TO MANUFACTURERS INSTALLATION INSTRUCTIONS, SPECIFICATIONS DETAILS AND WARRANTY REQUIREMENTS PROVIDE ALL MATERIALS COMPONENTS AND ACCESSORIES FOR COMPLETE INSTALLATION.
3. REFER TO PROJECT MANUAL FOR SPECIFICATION OF MATERIALS AND PRODUCTS NOT INCLUDED WITH THE COLORS AND MATERIALS SCHEDULE.

CAD NO. StylesheetPCSv3-2.dwg

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6934 REGISTERED ARCHITECT
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STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

COLOR & MATERIAL SCHEDULE

A202

SCALE
AS SHOWN

PARK FILE# I500-6619-2024

DOOR SCHEDULE

NO.	DOOR SIZE (w x h)	TYPE	MATERIAL	FINISH	GLAZING	RATING	HARDWARE GROUP	FRAME MATERIAL	FRAME FINISH	FRAME TYPE	FRAME GLAZING	NOTES
101	3'-0" x 7'-8"	B	D. FIR	[5]	-	-	HW-1	D. FIR	PT	F1	INSUL. S.G.	
102A	3'-0" x 7'-0"	E	D. FIR	STN & VAR	S.G.	-	HW-3	D. FIR	PT	F3	-	
102B	3'-0" x 7'-0"	E	D. FIR	STN & VAR	S.G.	-	HW-4	D. FIR	PT	F3	-	
103A	6'-0" x 8'-0"	D	D. FIR	PT	-	-	HW-6	D. FIR	PT	(E) F2	(E)	[1], [2]
103B	6'-0" x 8'-0"	D	D. FIR	PT	-	-	HW-6	D. FIR	PT	(E) F2	(E)	[1], [2]
103C	2'-0" x 7'-0"	A	WD S.C.	PT	-	-	HW-5	D. FIR	PT	F3	-	[3]
104A	3'-0" x 7'-8"	C	D. FIR	[5]	INSUL S.G.	-	HW-1	D. FIR	PT	F1	INSUL. S.G.	
104B	3'-0" x 7'-0"	F	D. FIR	STN & VAR	-	-	HW-3	D. FIR	PT	F3	-	
105	3'-0" x 7'-0"	F	D. FIR	STN & VAR	-	-	HW-2	D. FIR	PT	F3	-	[4]
106	3'-0" x 7'-0"	F	D. FIR	STN & VAR	-	-	HW-2	D. FIR	PT	F3	-	[4]

SCHEDULE NOTES
[1] (E) FREIGHT DOOR, RESTORE
[2] REPLACE BROKEN GLASS IN TRANSOM WINDOW, TYP.
[3] DOOR CASING WITH CROWN MOULDING ON EXTERIOR FACE ONLY, 1X2 CASING ON INT.SIDE
[4] DOOR CASING WITH CROWN MOULDING ON VESTIBULE SIDE OF DOOR, INTERIOR SIDE 1x4 CASING.
[5] PLAINT EXTERIOR FACE OF DOOR, STAIN & VARNISH INTERIOR FACE OF DOOR

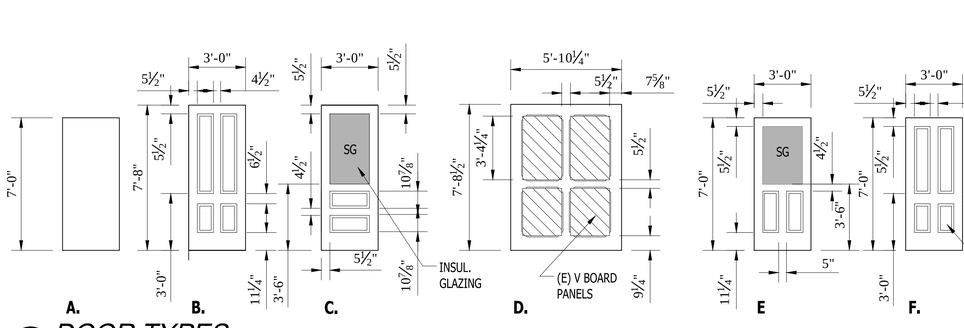
GENERAL SCHEDULE NOTES
1. REFER TO SPECIFICATIONS, DIVISION 8, "HARDWARE" FOR HARDWARE REQUIREMENTS.
2. REFER TO SPECIFICATIONS, DIVISION 8, "GLAZING" FOR GLAZING REQUIREMENTS.
3. REFER TO PROJECT MANUAL, SECTION 01910, "COLOR AND MATERIALS" FOR FINISHES.
4. "PAINT" (PT) IS A GENERIC TERM USED IN DOCUMENTS. REFER TO PROJECT MANUAL, SECTION 09900, "PAINTS AND COATINGS" FOR SPECIFIC TYPE OF APPLIED FINISH. THE TERM "PAINT" REFERS TO PAINTS, STAINS, SEALERS AND OTHER APPLIED COATINGS.

ROOM FINISH SCHEDULE

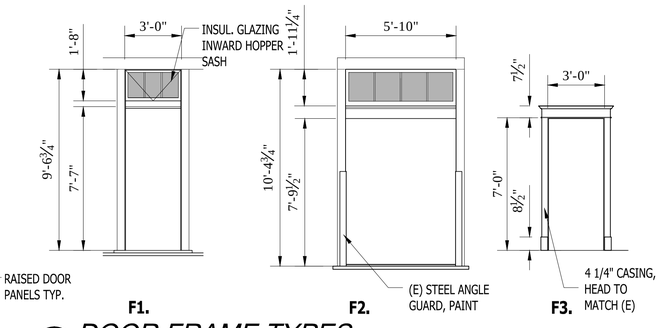
NO.	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE	CEILING MATERIAL	CEILING FINISH	WALL MATERIAL	WALL FINISH	NOTES
101	WAITING ROOM	(E) D. FIR	STN. & VAR	8" WD	(E) WD BB	PT	(E) WD BB	PT	[1], [6]
102	TICKET OFFICE	(E) OAK	STN & VAR	8" WD	(E) WD BB	PT	(E) WD BB	PT	[2], [6], [7]
103	FREIGHT ROOM	(E) D. FIR	(E)	(E) WD	(E) WD BB	-	(E) WD	-	[3], [4]
104	ENTRY VESTIBULE	TILE	SEAL	6" TILE	(E) WD BB	PT	(E) WD BB	PT	[5], [6], [7]
105	UNISEX TOILET ROOM	TILE	SEAL	6" TILE	M.R. GWB	PT	M.R. GWB	PT	[8]
106	UNISEX TOILET ROOM	TILE	TILE	6" TILE	M.R. GWB	PT	M.R. GWB	PT	[8]
107	CLOSET	PLYWD	PT	2"" WD	M.R. GWB	PT	M.R. GWB	PT	-

SCHEDULE NOTES
[1] (E) 3 1/4" T 7 G D. FIR PLANK FLOORING, RESTORE AND REFINISH
[2] (E) 3 1/4" T 7 G D. FIR PLANK FLOORING, RESTORE AND REFINISH
[3] (E) 2 x 8 ROUGH SAWN FIR PLANKS REPAIR
[4] ROOM TO BE LEFT UNFINISHED IN (E) UNPAINTED CONDITION
[5] PROVIDE STAINLESS STEEL WAINSCOT MATCHING D.F. IN IN D.F. ALCOVE, HEMMED EDGES
[6] REFINISH CASEWORK, COUNTERTOPS AND DESK, STAIN & VARNISH FINISH
[7] REFINISH BEAD BOARD PARTITION BOTH SIDES OF BAGGAGE TRANSACTION WINDOW, STAIN & VARNISH FIN.
[8] TILE WAINSCOT IN TOILET ROOM, REFER TO INT. ELEV..

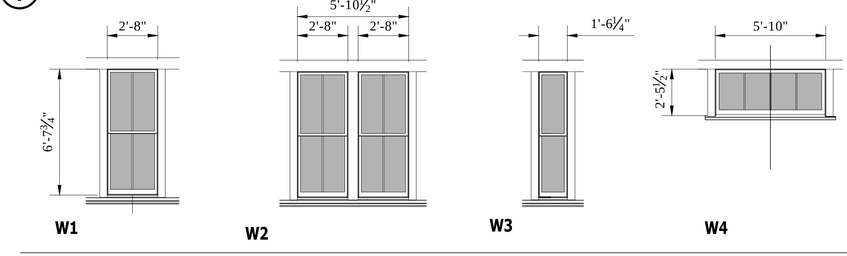
GENERAL SCHEDULE NOTES
1. REFER TO PROJECT MANUAL, SECTION 01910, "COLOR AND MATERIALS" FOR FINISHES.
2. "PAINT" (PT) IS A GENERIC TERM USED IN DOCUMENTS. REFER TO PROJECT MANUAL, SECTION 09900, "PAINTS AND COATINGS" FOR SPECIFIC TYPE OF APPLIED FINISH. THE TERM "PAINT" REFERS TO PAINTS, STAINS, SEALERS AND OTHER APPLIED COATINGS.
3. PROVIDE ROLLER SHADES IN ALL WINDOW LOCATIONS.
4. REFERS TO INT. ELEV.. FOR ADDITIONAL MATERIALS AND FINISHES.
5. BB REFERS TO BEAD BOARD



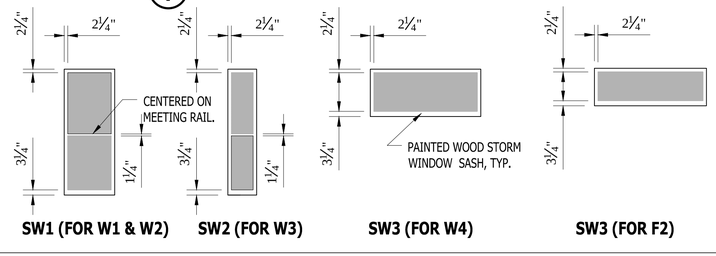
1 - DOOR TYPES



2 - DOOR FRAME TYPES



3 - WINDOW TYPES



4 - STORM WINDOW TYPES

0 4' 8'

SHEET 21 OF 54

CAD NO. StylesheetPCSv3-2.dwg

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JJR	08/09/24
DRAWN	JJR	08/09/24
CHECKED (FIELD)		
CHECKED (HDQTS.)		

6934 REGISTERED ARCHITECT
LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

SCHEDULES

A203

SCALE
AS SHOWN

PARK FILE# I500-6619-2024

NOTES:

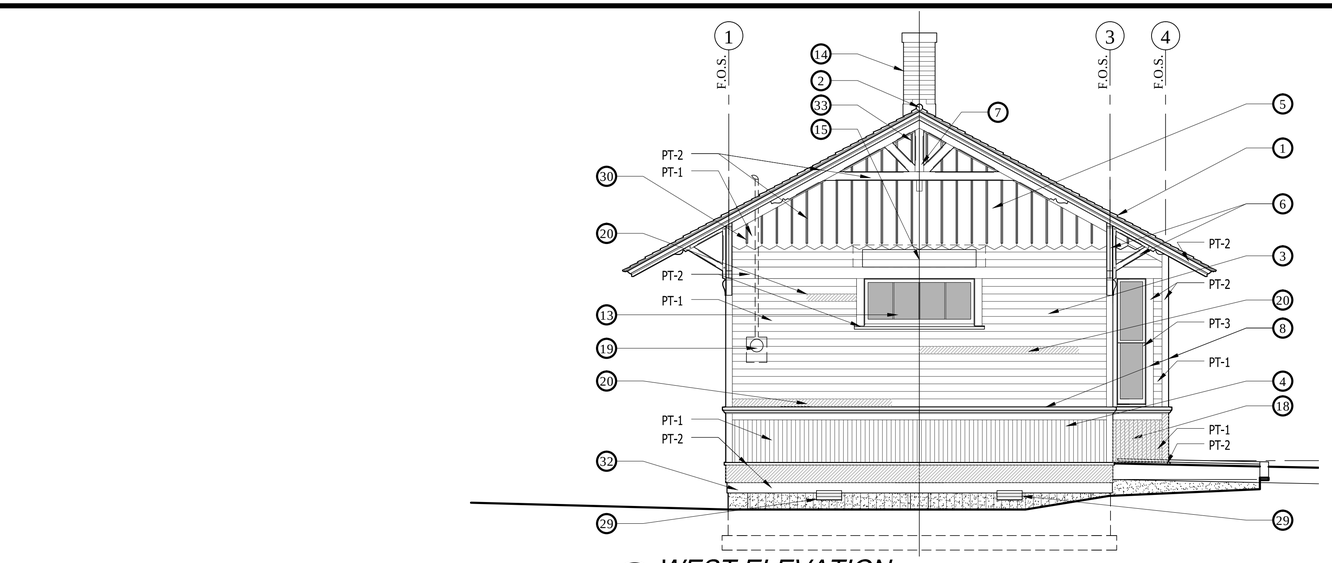
1. CEDAR ROOFING SHINGLES
2. VENTED METAL ROLLED RIDGE CAP
3. (E) BEVEL CEDAR SIDING, U.N.O., REPAIR, PREP AND PAINT. PT-1
4. (E) T & G 'V' BOARD WAINSCOT PANELS, U.N.O., REPAIR, PREP AND PAINT, TYP. PT-1
5. (E) DECORATIVE VERTICAL BOARD SIDING, U.N.O., REPAIR, PREP AND PAINT, TYP. PT-1
6. (E) ROOF BRACKETS, REPAIR, PREP AND PAINT. TYP.
7. (E) GABLE TRUSS, REPAIR PREP AND PAINT, TYP. PT-2
8. (E) TRIM WORK REPAIR PREP AND PAINT, TYP. PT-2
9. REPLACE DAMAGED WAINSCOT CAP AND TRIM BOTH SIDES OF DOOR.
10. REPLACE WOOD WATERTABLE BAND AROUND BUILDING AND WATERTABLE CAP TRIM ALONG SOUTH SIDE OF STRUCTURE, CLEAR FIR, PAINT, PT-2
11. REPAIR DAMAGED (E) FREIGHT DOORS, REPLACE MISSING ELEMENTS MATCHING ORIGINAL DESIGN AND PROFILES, PREP AND PAINT, PT-3
12. ENLARGE DOOR OPENING WIDTH AT BOTH BUILDING ENTRY POINTS. INSTALL WOOD FRAMES AND DOORS TO MATCH ORIGINAL STYLE AND PROFILES.
13. INSTALL OPERABLE AND REMOVABLE WOODEN STORM WINDOWS AND HARDWARE AT ALL NON-INSULATED WINDOW OPENINGS.
14. NON-FUNCTIONAL CHIMNEY, MATCH ORIGINAL APPEARANCE. THIN BRICK VENEER WITH PRECAST CAP.
15. DEPOT IDENTIFICATION SIGN AT BOTH ENDS OF DEPOT, REFER TO DETAIL C/A601
16. CRAWL SPACE ACCESS DOOR IN FOUNDATION WALL, HINGED 2x WOOD WELL COVER.
17. PREP AND PAINT STEEL DOOR BUMPERS AT BOTH FREIGHT DOORS, PT-4
18. REPLACE WAINSCOT T&G SIDING AT AND ASSOCIATED TRIM ALONG SOUTH SIDE OF BUILDING AND SIDES OF BAY., (S) BOARDS TO USE IN REPLACEMENT IN WAINSCOT ON N, E AND W SIDE OF THE BUILDING. INSULATE UNDER WINDOW FROM EXTERIOR BEFORE INSTALL NEW.
19. REPLACE ELECT. METER AND MAST, PATCH HOLES IN SIDING FROM CURRENT AND PAST ELECTRICAL PENETRATIONS.
20. REPLACE BROKEN / DAMAGED CLAPBOARD SIDING OR TRIM.
21. REPLACE WOOD DOOR THRESHOLD AND SILL AT EXTERIOR DOORS, TYP.
22. REMOVE (E) EXPOSED CONDUIT, INSTALL LIGHT FIXTURE OVER FREIGHT DOORS.
23. (S) STEEL RODS FROM SIGNAL POST, PATCH HOLES . REPLACE 2 CLAPBOARDS AND AND REPLACE WINDOW TRIM

NOTES:

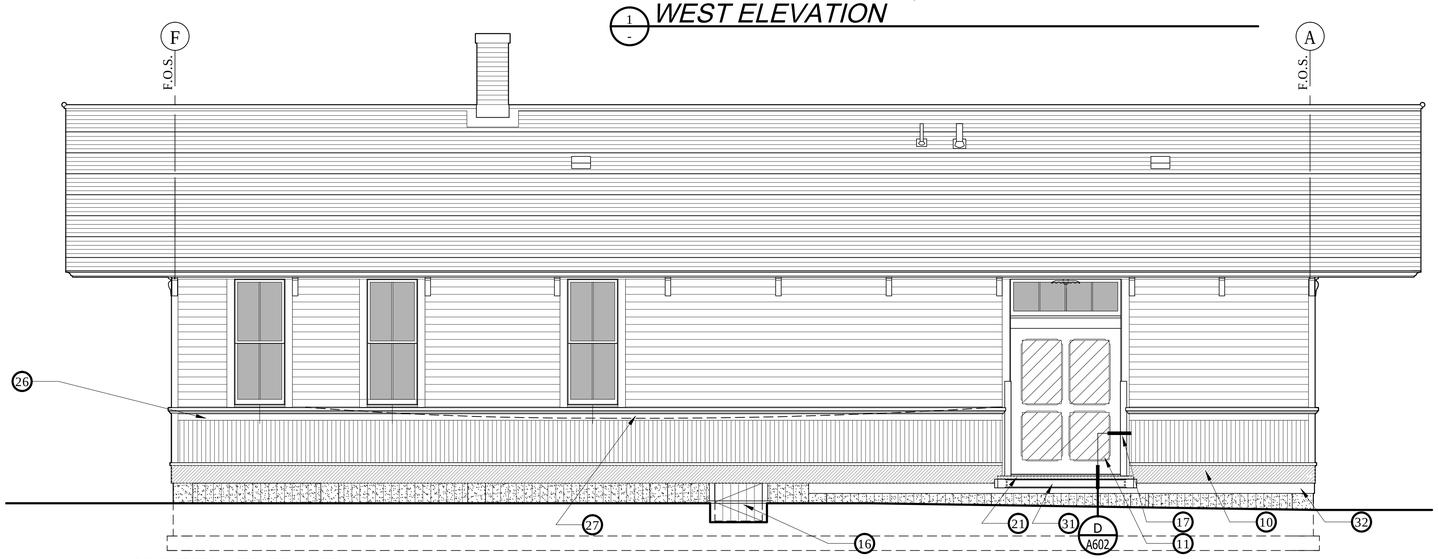
24. REFER TO ROOF PLAN FOR SHINGLE DOUBLE COURSE PATTERN.
25. REPLACE WOOD CORNER BOARD
26. REMOVE ALL MISC. ELECTRICAL BOXES, OUTLETS AND CONDUIT FROM FACE OF STRUCTURE, REPAIR SIDING AND TRIM, PREP AND PAINT.
27. BUILDING HAS SETTLED APPROX. 8" ALONG NORTH SIDE. NEW FOUNDATION SHALL BRING STRUCTURE BACK TO LEVEL AND PLUMB CONDITION.
28. CONCRETE FOUNDATION WALL, LAYOUT TO ALIGN WITH (E) POSTS LAYOUT, ROUGH SAWN TEXTURE AT POSTS WITH 1 1/8" RECESS VERTICAL PLANK PANEL IN BETWEEN POSTS.
29. 16x6 WOOD CRAWL SPACE VENT WITH INSECT SCREEN ON INT. SIDE, PROVIDE MIN. OF 6" OF CLR. BELOW VENTS. (4) LOCATIONS
30. PATCH HOLES IN SIDING, APPROX. (3) 1 1/2" DIA. HOLES AND REMOVE MISC. UNUSED HARDWARE AND REPAIR SIDING. TYP.
31. 4x6 TREATED DOCK BUMPER RAIL, 1/2" BEVELED EDGES, PAINTED. BOLTED TO WALL WITH 1/2" DIA. x 8" GALV. LAG BOLTS WITH WASHER. (2) EA. END, REFER TO DETAIL D/A602
32. 1X8 WOOD TRIM TO COVER EXPOSED EDGE OF (E) FLOOR JOIST UNDER FREIGHT ROOM.
33. PATCH 3" DIA. HOLE IN SIDING, REROUTE WIRING TO SHED, IN 1" CONDUIT UNDER GROUND.

GENERAL NOTES:

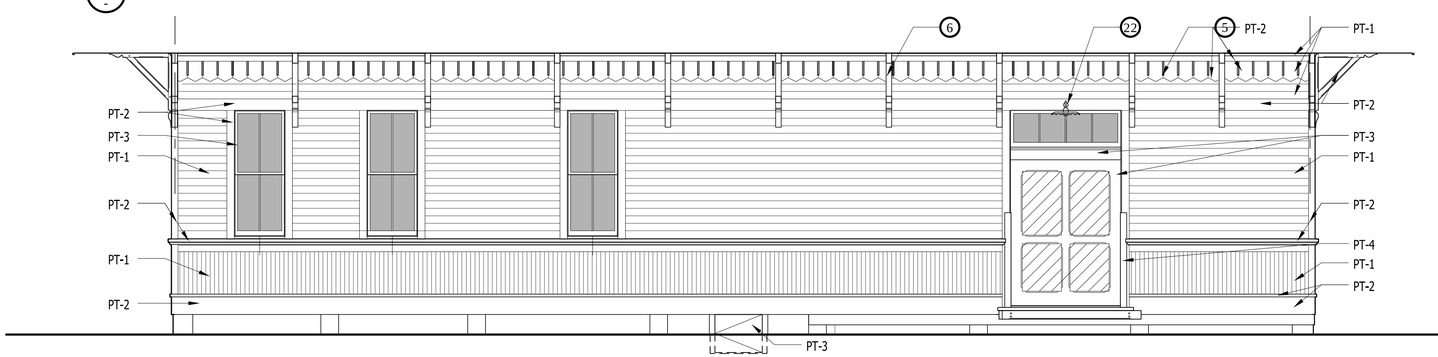
1. FIELD VERIFY ALL DIMENSIONS, DIMENSIONS SHOWN.
2. RESTORE ALL WINDOW SASH AND FRAMES TO FULL OPERATIONS. REMOVE PAINT FINISH, REPAIR, PREP AND REPAINT. REMOVE AND REGLAZE ALL GLASS. REPLACE BROKEN OR DAMAGED GLASS PANES. INSTALL WEATHER STRIPING ON ALL SASH. REPAIR HARDWARE.
3. REMOVE ALL UNUSED ELECTRICAL, MECHANICAL AND MISC. HARDWARE FROM FACE OF BUILDING, REPAIR SIDING AND TRIM.
4. CAREFULLY REMOVE PAINT BY HAND FROM ALL EXTERIOR WOODWORK DOWN TO, IN MOST CASES, BARE WOOD. CURRENT PAINT FINISH IS IN GENERALLY POOR CONDITION AND THE BASE COAT NO LONG ADHERES TO THE WOOD PROPERLY AFTER OVER 100 YEARS OF SERVICE. PREP WALL BY LIGHTLY SANDING OFF CHALKY PAINT RESIDUE BEFORE PRIMING, REPAINT DEPOT IN THREE COLOR HISTORIC PAINT LAYOUT. PAINT COLORS ARE DARK WHICH REQUIRES A WELL PREPPED WALL TO AVOID FUTURE BLISTERING OF PAINT FINISH.
5. REPLACEMENT DOORS, TRIM AND OTHER WOOD COMPONENTS SHALL MATCH EXISTING MATERIALS AND PROFILES.



1 - WEST ELEVATION



2 - NORTH ELEVATION



3 - NORTH ELEVATION - UNDER ROOF OVERHANG

4' 0 8'

SHEET 22 OF 54

CAD NO. StylesheetPCSv3-2.dwg

	DATE
	APP.
	INT.
	REVISIONS
	NO.

ACTION	BY	DATE
DESIGNED	JJR	08/09/24
DRAWN	JJR	08/09/24
CHECKED (FIELD)		
CHECKED (HDQTS.)		

6934 REGISTERED ARCHITECT
LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

EXTERIOR ELEVATIONS

A301

SCALE 1/4" = 1'-0"

PARK FILE# I500-6619-2024

NOTES:

1. CEDAR ROOFING SHINGLES
2. VENTED METAL ROLLED RIDGE CAP
3. (E) BEVEL CEDAR SIDING, U.N.O., REPAIR, PREP AND PAINT. PT-1
4. (E) T & G 'V' BOARD WAINSCOT PANELS, U.N.O., REPAIR, PREP AND PAINT, TYP. PT-1
5. (E) DECORATIVE VERTICAL BOARD SIDING, U.N.O., REPAIR, PREP AND PAINT, TYP. PT-1
6. (E) ROOF BRACKETS, REPAIR, PREP AND PAINT. TYP.
7. (E) GABLE TRUSS, REPAIR PREP AND PAINT, TYP. PT-2
8. (E) TRIM WORK REPAIR PREP AND PAINT, TYP. PT-2
9. REPLACE DAMAGED WAINSCOT CAP AND TRIM BOTH SIDES OF DOOR.
10. REPLACE WOOD WATERTABLE BAND AROUND BUILDING AND WATERTABLE CAP TRIM ALONG SOUTH SIDE OF STRUCTURE, CLEAR FIR, PAINT, PT-2
11. REPAIR DAMAGED (E) FREIGHT DOORS, REPLACE MISSING ELEMENTS MATCHING ORIGINAL DESIGN AND PROFILES, PREP AND PAINT, PT-3
12. ENLARGE DOOR OPENING WIDTH AT BOTH BUILDING ENTRY POINTS. INSTALL WOOD FRAMES AND DOORS TO MATCH ORIGINAL STYLE AND PROFILES.
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15. DEPOT IDENTIFICATION SIGN AT BOTH ENDS OF DEPOT, REFER TO DETAIL C/A601
16. CRAWL SPACE ACCESS DOOR IN FOUNDATION WALL, HINGED 2x WOOD WELL COVER.
17. PREP AND PAINT STEEL DOOR BUMPERS AT BOTH FREIGHT DOORS, PT-4
18. REPLACE WAINSCOT T&G SIDING AT AND ASSOCIATED TRIM ALONG SOUTH SIDE OF BUILDING AND SIDES OF BAY., (S) BOARDS TO USE IN REPLACEMENT IN WAINSCOT ON N, E AND W SIDE OF THE BUILDING. INSULATE UNDER WINDOW FROM EXTERIOR BEFORE INSTALL NEW.
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22. REMOVE (E) EXPOSED CONDUIT, INSTALL LIGHT FIXTURE OVER FREIGHT DOORS.
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NOTES:

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28. CONCRETE FOUNDATION WALL, LAYOUT TO ALIGN WITH (E) POSTS LAYOUT, ROUGH SAWN TEXTURE AT POSTS WITH 1 1/8" RECESS VERTICAL PLANK PANEL IN BETWEEN POSTS.
29. 16x6 WOOD CRAWL SPACE VENT WITH INSECT SCREEN ON INT. SIDE, PROVIDE MIN. OF 6" OF CLR. BELOW VENTS. (4) LOCATIONS
30. PATCH HOLES IN SIDING, APPROX. (3) 1 1/2" DIA. HOLES AND REMOVE MISC. UNUSED HARDWARE AND REPAIR SIDING. TYP.
31. 4x6 TREATED DOCK BUMPER RAIL, 1/2" BEVELED EDGES, PAINTED. BOLTED TO WALL WITH 1/2" DIA. x 8" GALV. LAG BOLTS WITH WASHER. (2) EA. END, REFER TO DETAIL D/A602
32. 1X8 WOOD TRIM TO COVER EXPOSED EDGE OF (E) FLOOR JOIST UNDER FREIGHT ROOM.
33. PATCH 3" DIA. HOLE IN SIDING, REROUTE WIRING TO SHED, IN 1" CONDUIT UNDER GROUND.

GENERAL NOTES:

1. FIELD VERIFY ALL DIMENSIONS, DIMENSIONS SHOWN.
2. RESTORE ALL WINDOW SASH AND FRAMES TO FULL OPERATIONS. REMOVE PAINT FINISH, REPAIR, PREP AND REPAINT. REMOVE AND REGLAZE ALL GLASS. REPLACE BROKEN OR DAMAGED GLASS PANES. INSTALL WEATHER STRIPING ON ALL SASH. REPAIR HARDWARE.
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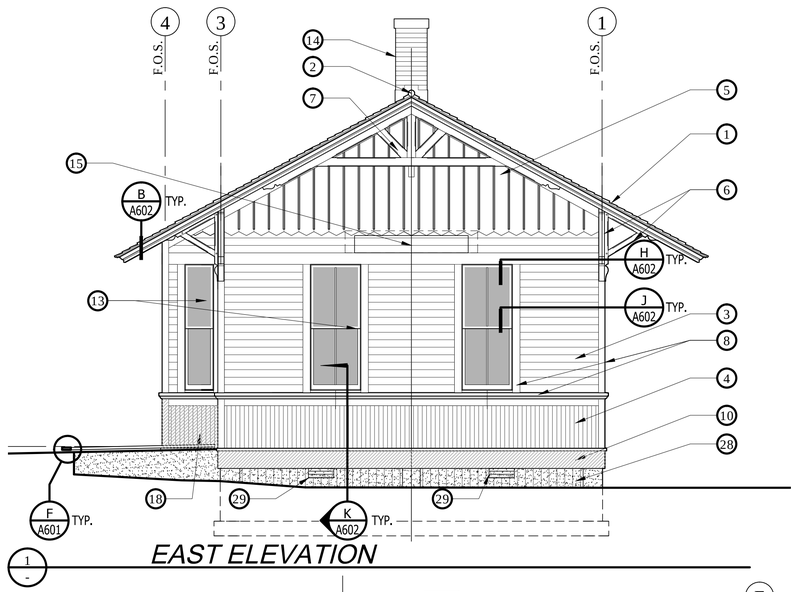
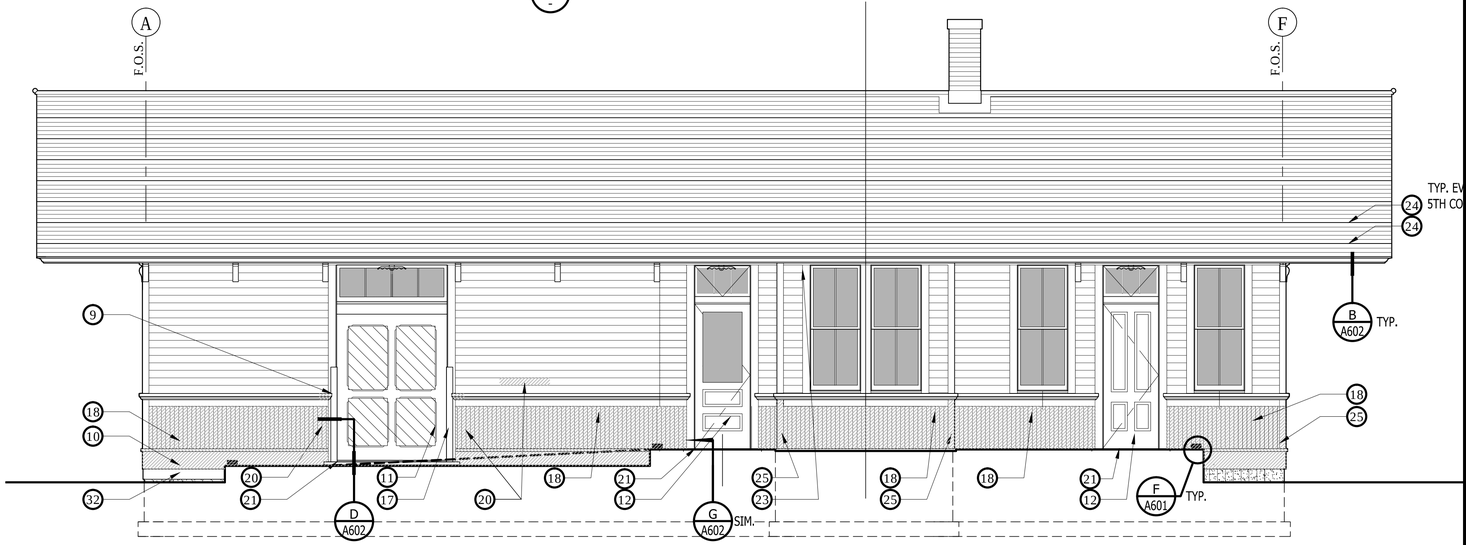
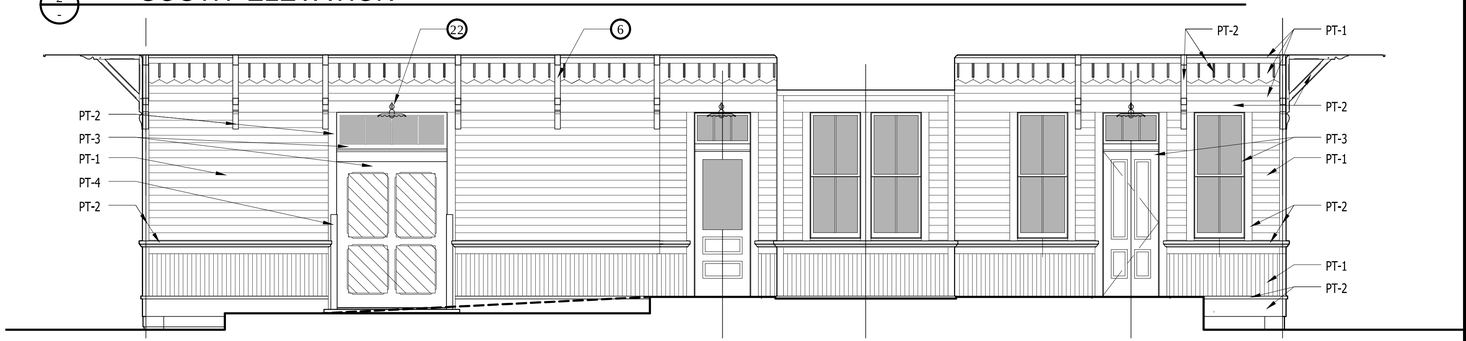
5. REPLACEMENT DOORS, TRIM AND OTHER WOOD COMPONENTS SHALL MATCH EXISTING MATERIALS AND PROFILES.



1 - EAST ELEVATION



2 - SOUTH ELEVATION



3 - SOUTH ELEVATION - UNDER ROOF OVERHANG

0 4' 8'

SHEET 23 OF 54

CAD NO. StylesheetPCSv3-2.dwg		
		DATE
		APP.
		INT.
		REVISIONS
		NO.

ACTION	BY	DATE
DESIGNED	JJR	08/09/24
DRAWN	JJR	08/09/24
CHECKED (FIELD)		
CHECKED (HDQTS.)		

6934 REGISTERED ARCHITECT
LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

EXTERIOR ELEVATIONS

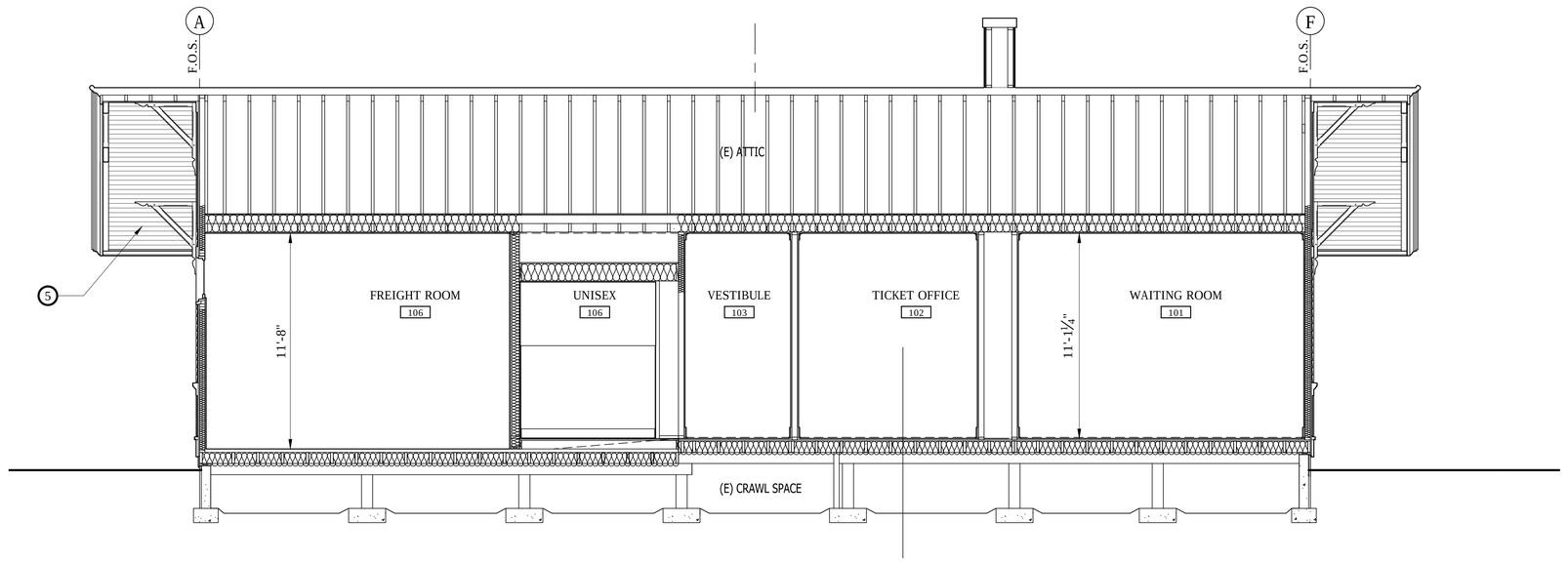
A302

SCALE 1/4" = 1'-0"

PARK FILE# I500-6619-2024

NOTES:

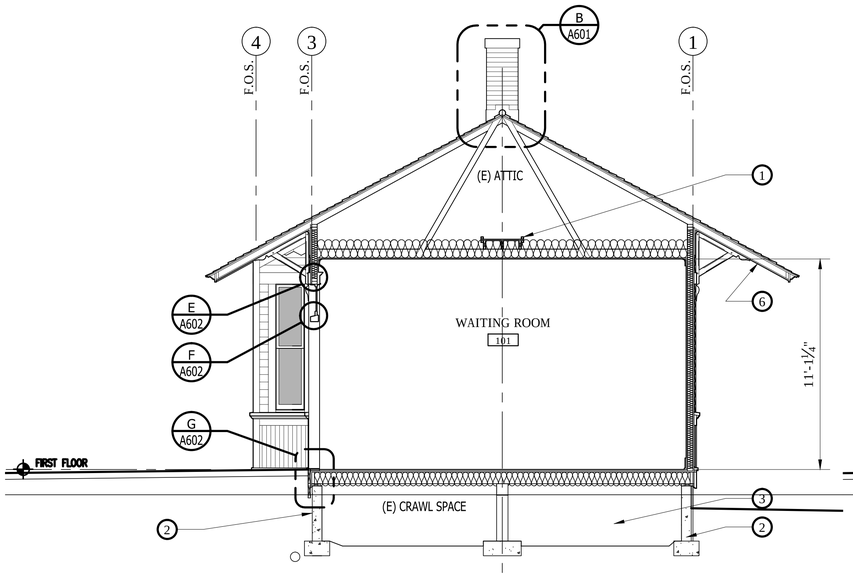
1. 24" WIDE, 3/4" PLYWOOD ACCESS CATWALK ON 2X6 JOIST, 12" O.C. AND 2X4 CURBS. LAY CATWALK PERPENDICULAR AND OVER EXISTING CEILING JOISTS, FULL LENGTH OF ATTIC AT MID-POINT AND A 48" SQ. LANDING AT TOP OF ACCESS LADDER.
2. REINFORCED CONCRETE FOUNDATION WALL AND FOOTING, REFER TO STRUCTURAL. DAMPROOF WALLS BELOW GRADE. TYP.
3. DEMO. FOUNDATION, WOOD POSTS AND BEAMS ON CONCRETE PADS
4. TREATED 2x10'S OVER WEATHER BARRIER TO PROTECT (E) WOOD CONSTRUCTION BELOW THE TOP OF ADJACENT CONCRETE PAVING. POLY-ASH TRIM TO CONCEAL EXPOSED TOP EDGE OF TREAT WOOD.
5. 2x8 TREATED MUD SILL AT LOCATION WITH ADJACENT PAVING TO CLOSE OFF EDGE.
6. SECURE LOSE SOFFIT BOARDS, REPLACE MISSING AND DAMAGED SOFFIT BOARDS, PREP AND PAINT, TYP.
7. 2x10 CEILING JOISTS WITH 3/4" T&G PLYWOOD DECK OVER RESTROOMS AND STORAGE CLOSET SPACE TO ACCOMMODATE MECHANICAL SYSTEM. REMOVE AND HEADER OFF (E) CEILING JOISTS OVER DECK ARE AS NEED TO INSTALL EQUIPMENT.



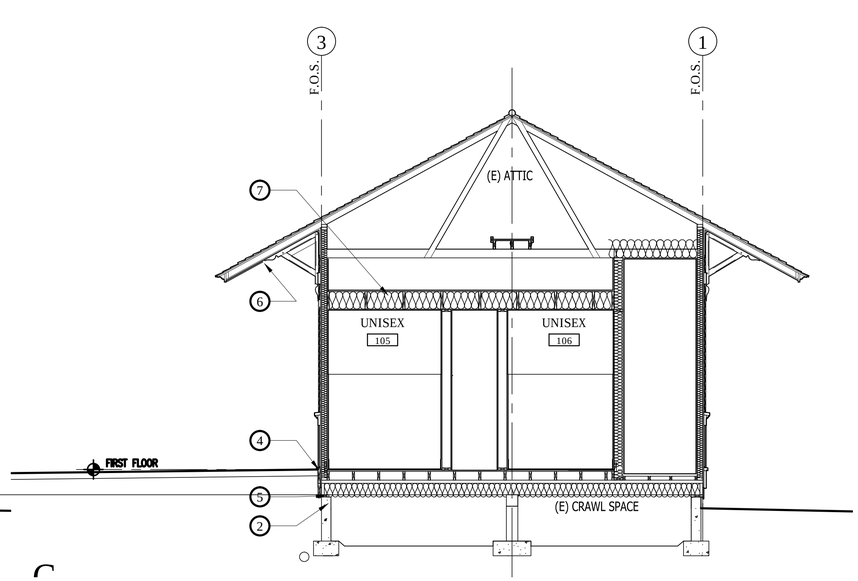
A - LONGITUDINAL SECTION

GENERAL NOTES:

1. FIELD VERIFY ALL DIMENSIONS, DIMENSIONS SHOWN.
2. INSULATE ALL WALLS FLOORS AND CEILINGS. BATT INSULATION IN FLOOR AND ATTIC, BLOWN IN CELLULOSE INSULATION IN WALLS.
   - R-49 ROOF
   - R-13 EXTERIOR WALLS
   - R-21 INTERIOR WALLS AT RESTROOMS AND BETWEEN FREIGHT ROOM AND REST OF BUILDING.
   - R-30 FLOORS
3. LIFT AND TEMPORARILY SHORE BUILDING, REMOVE (E) WOOD AND CONCRETE FOUNDATION SYSTEM, , SALVAGE POSTS AND BEAMS FOR REUSE IN PROJECT. INSTALL NEW CONCRETE FOUNDATION, LOWER STRUCTURE BACK DOWN ONTO FOUNDATION SYSTEM.



B - TRANSVERSE SECTION



C - TRANSVERSE SECTION

0 4' 8'

SHEET 24 OF 54

CAD NO. StylesheetPCSv3-2.dwg

	DATE	APP.	INT.	REVISIONS	NO.

ACTION	BY	DATE
DESIGNED	JJR	08/09/24
DRAWN	JJR	08/09/24
CHECKED (FIELD)		
CHECKED (HDQTS.)		

6934 REGISTERED ARCHITECT
LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

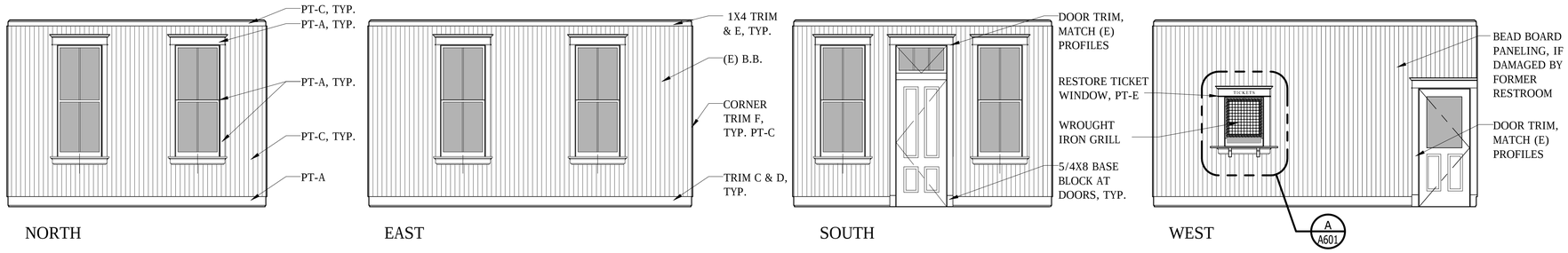
KITTITAS DEPOT HISTORIC PRESERVATION

BUILDING SECTIONS

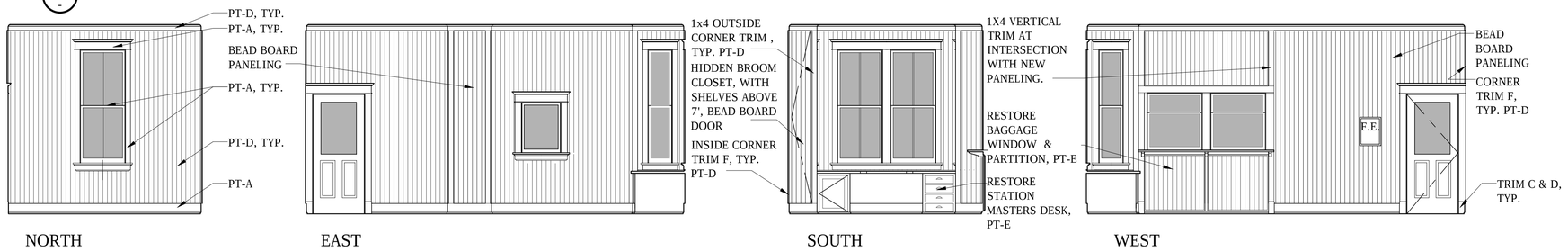
A401

SCALE 1/4" = 1'-0"

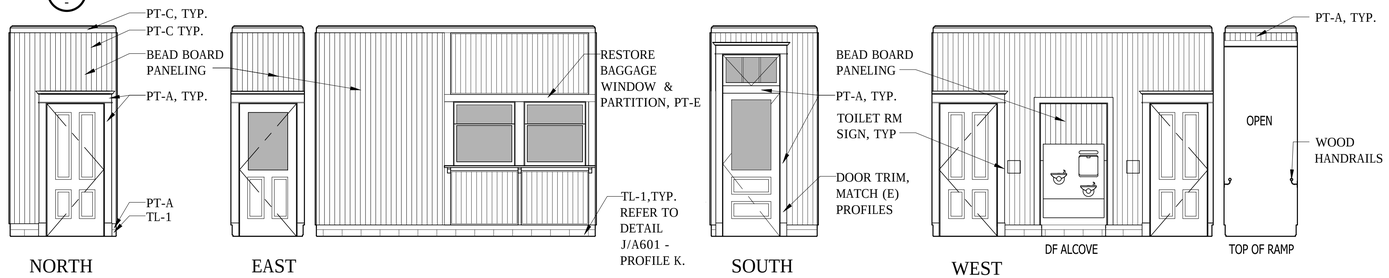
PARK FILE# I500-6619-2024



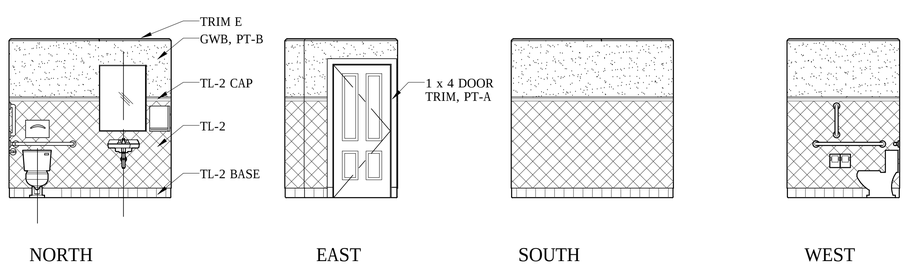
A - INTERIOR ELEVATION - 101 WAITING ROOM



B - INTERIOR ELEVATION - 102 TICKET OFFICE

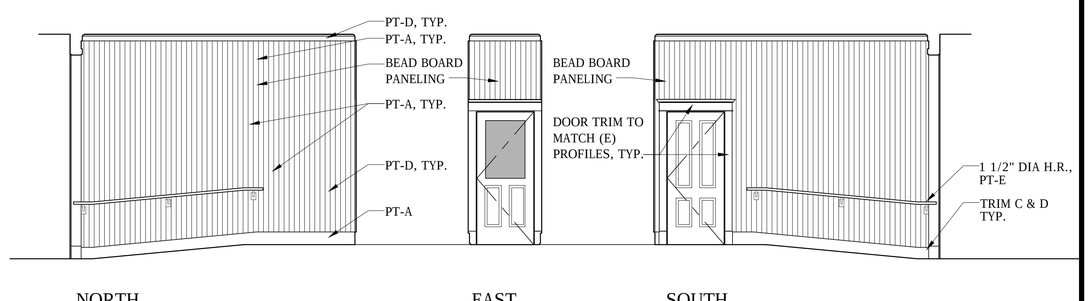


C - INTERIOR ELEVATION - 104 VESTIBULE



D - INTERIOR ELEVATION - 105 UNISEX RESTROOM

(ROOM 106 SIMILAR BUT OPP.)



E - INTERIOR ELEVATION - RAMP

4'
0
8'

SHEET 25 OF 54

CAD NO. StylesheetPCSv3-2.dwg

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JJR	08/09/24
DRAWN	JJR	08/09/54
CHECKED (FIELD)		
CHECKED (HDQTS.)		

6934 REGISTERED ARCHITECT
LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

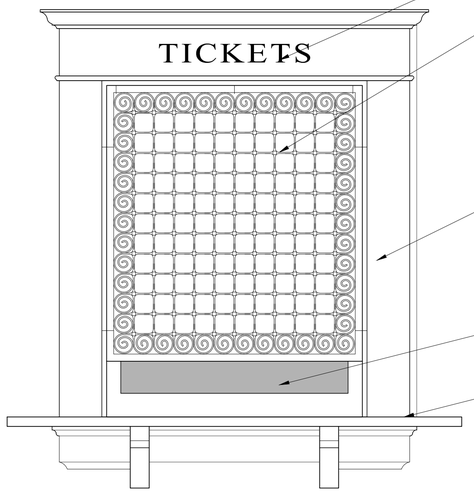
KITTITAS DEPOT HISTORIC PRESERVATION

INTERIOR ELEVATIONS

A501

SCALE
1/4" = 1'-0"

PARK FILE# I500-6619-2024



2" TALL GOLD PAINTED LETTERS, TIMES NEW ROMAN FONT, FONT SPACING AND WIDTH 1.2

WROUGHT IRON GRILL, PAINTED BLACK. BASED ON (E) GRILL AT CLE ELM DEPOT. 1/8" x 3/8" FLAT BAR, INTERWOVEN DESIGN, BAR LAID FLAT AT INTERSECTIONS POINTS BUT TURNED 90 DEGREES BETWEEN INTERSECTIONS WITH A SINGLE BAR FULL WIDTH OR HEIGHT WITH SPIRAL TURN AT EACH END. 2 1/8" GRID. SURROUNDED BY 3/4" ANGLE FASTENED TO WOODEN FRAME STOPS AT (7) POINTS. (3) AT THE TOP ARE STILL EXIST IN PLACE.

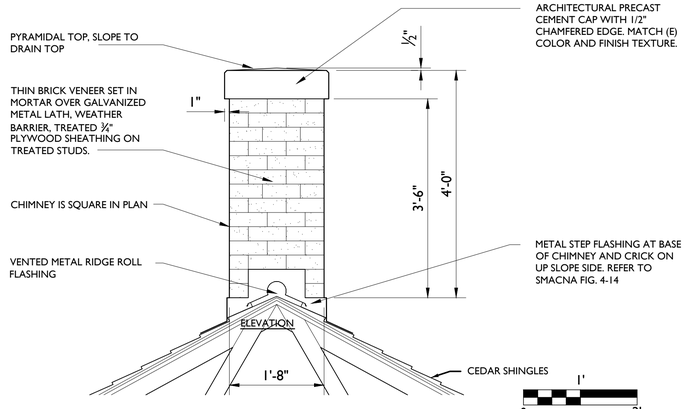
(E) WINDOW CASING AND TRIM. STRIP PAINT AND REPAIR DAMAGE TO WINDOW AND TRIM. STAIN AND VARNISH FINISH.

REPLACE BROKEN GLASS AND RESTORE SASH TO FULL OPERATION.

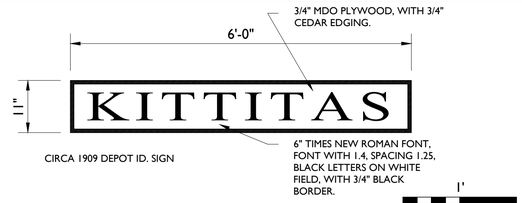
REPLACE BROKEN GLASS AND RESTORE REMOVE MASONITE COVERING AND WOOD EDGE BACK TO ORIGINAL FIR COUNTER.

6" 0 1'

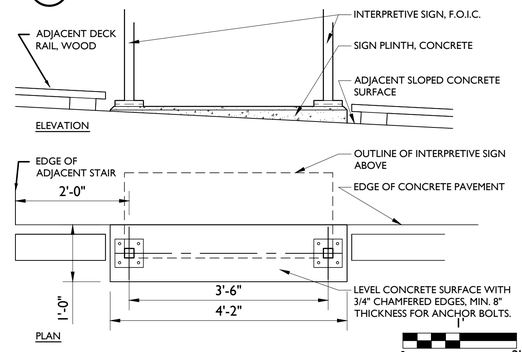
A - TICKET WINDOW GRILL DETIL



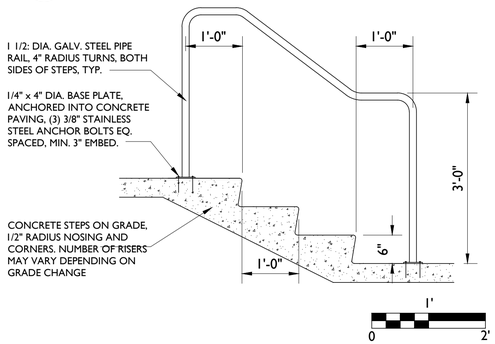
B - CHIMNEY DETAIL



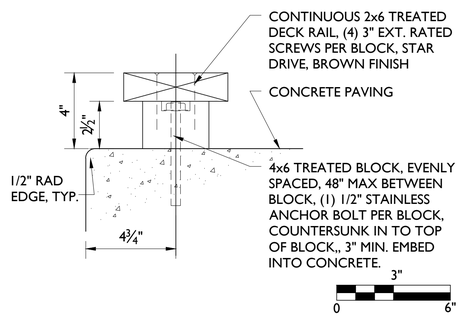
C - SIGN DETAIL



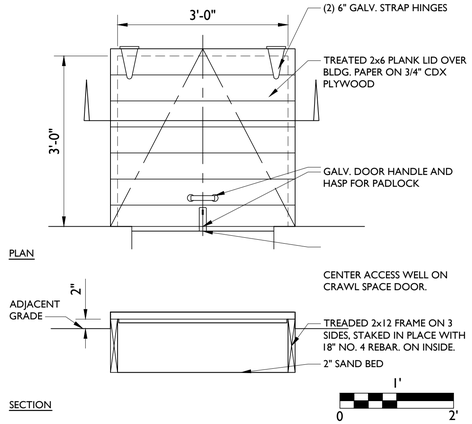
D - INTERPRETIVE SIGN PLINTH



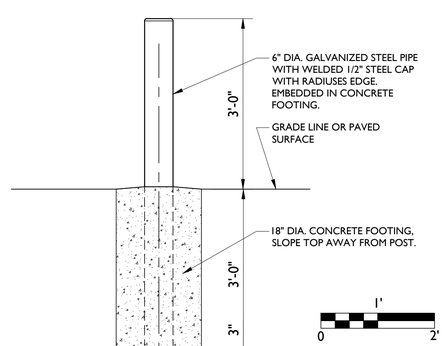
E - STAIR & HANDRAIL DETAIL



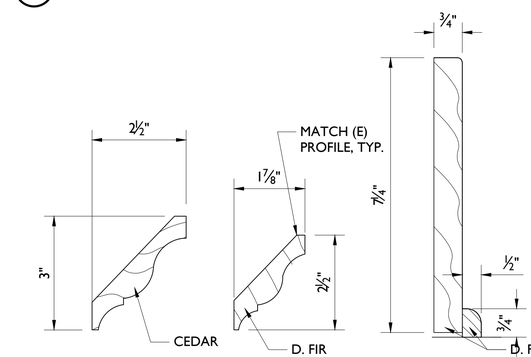
F - DECK RAIL DETAIL



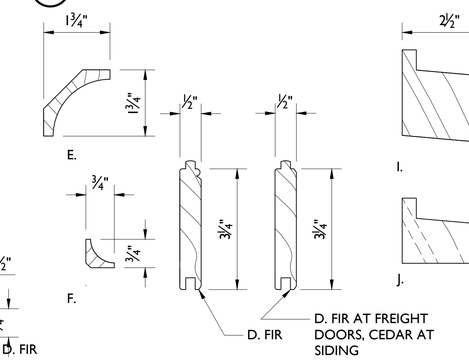
G - DETAIL



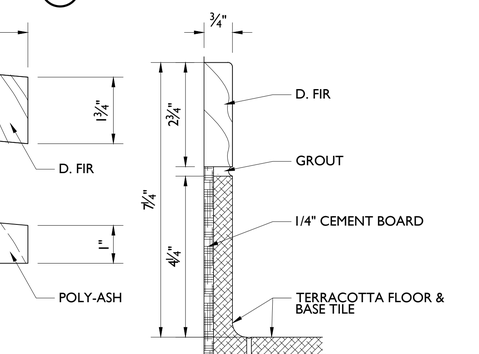
H - FIXED BOLLARD DETAIL



A. (E) CROWN MOULDING (ORIG. NO. 8013)
B. (E) BED MOULDING (ORIG. NO. 8014)
C. 1x8 BASE
D. BASE SHOE MOLD
E. CEILING COVE (1 3/4")
F. WALL INSIDE CORNER COVE. (3/4")



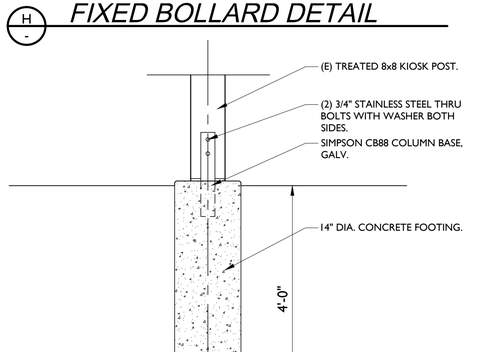
G. (E) T&G BEAD BOARD (5/8"x4")
H. (E) T&G V-GROOVE BOARD (⅝"x4")
I. (E) WATERTABLE CAP.
J. WATERTABLE CAP (PLATFORM).
K. BASE TRIM ABOVE TERRACOTTA BASE.



NOTE: MILLWORK TO MATCH (E) PROFILES OF DEPOT, FIELD VERIFY.

D. FIR	DOUGLAS FIR
CEDAR	WESTERN RED CEDAR
TRU-EXT	POLY ASH COMPOSITE TRIM

J - TRIM AND SIDING PROFILES



K - KIOSK FOOTING DETAIL

SHEET 26 OF 54

CAD NO. StylesheetPCSv3-2.dwg

REVISIONS	NO.	DATE	APP.	INT.

ACTION	BY	DATE
DESIGNED	JJR	08/09/24
DRAWN	JJR	08/09/24
CHECKED (FIELD)		
CHECKED (HDQTS.)		

6934 REGISTERED ARCHITECT
LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

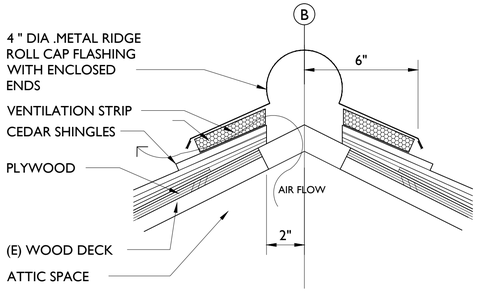
KITTITAS DEPOT HISTORIC PRESERVATION

DETAILS

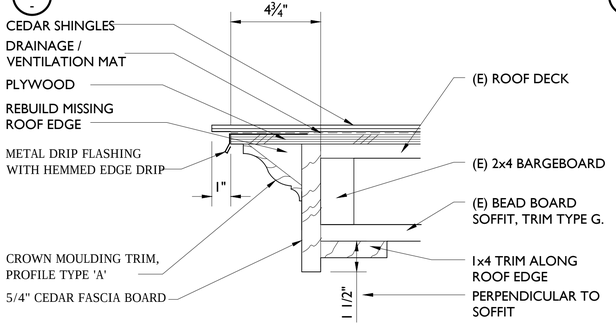
A601

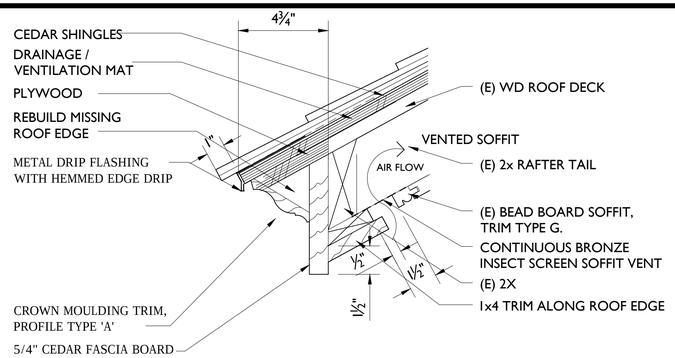
SCALE
AS SHOWN

PARK FILE# 1500-6619-2024

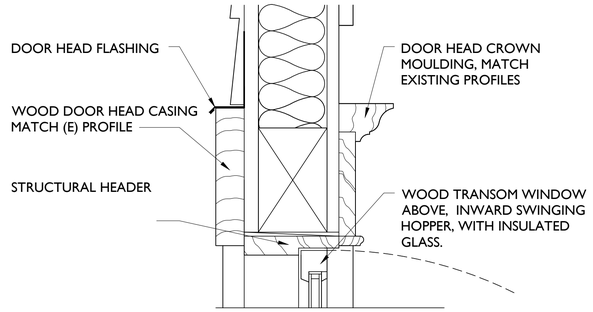


A - RIDGE DETAIL

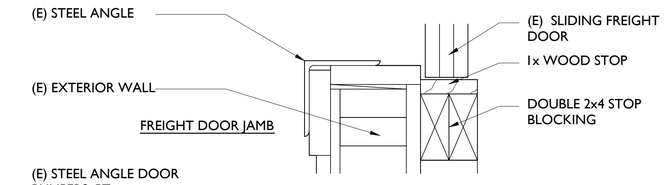




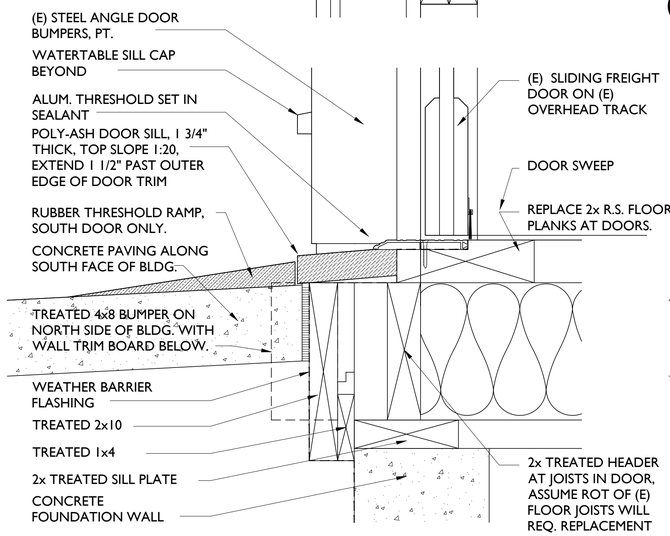
B - EDGE DETAIL



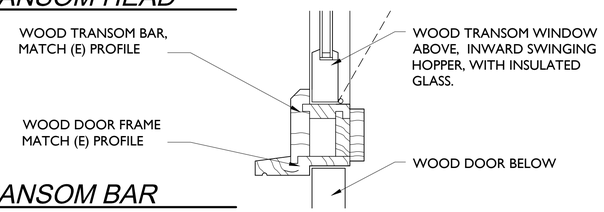
C - EDGE DETAIL



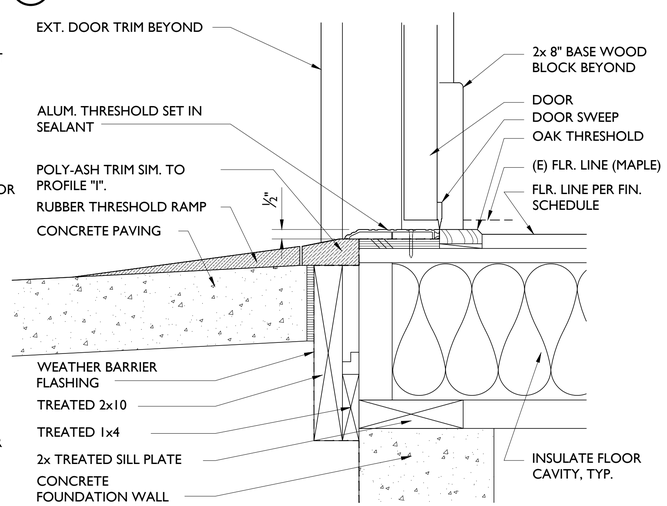
D - DETAIL - FREIGHT DOOR



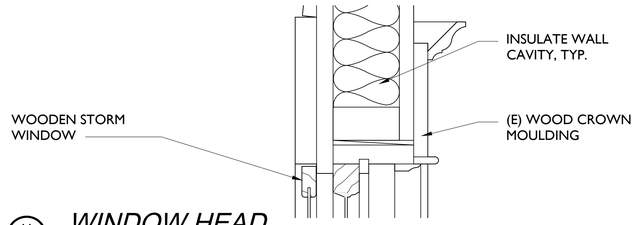
E - TRANSOM HEAD



F - TRANSOM BAR

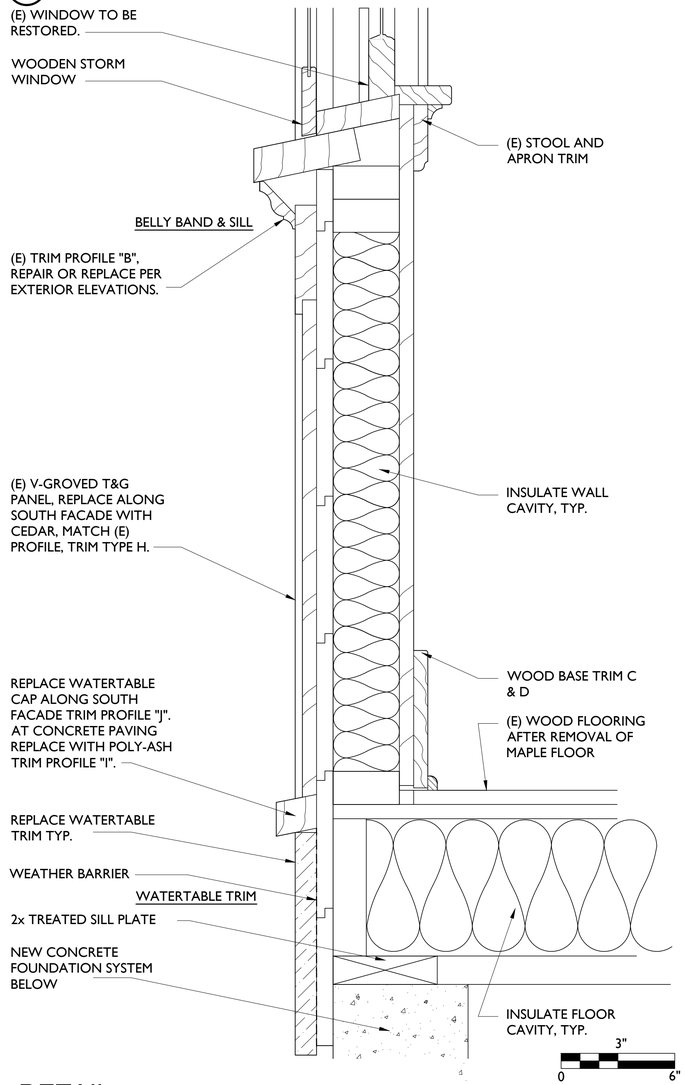


G - DETAIL - ENTRY DOOR



H - WINDOW HEAD

J - MEETING RAIL



K - DETAIL

CAD NO. StylesheetPCSv3-2.dwg

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JJR	08/09/24
DRAWN	JJR	08/09/24
CHECKED (FIELD)		
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6934 REGISTERED ARCHITECT
LOWELL CATE
STATE OF WASHINGTON

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

DETAILS

A602

SCALE
3" = 1'-0"

PARK FILE# 1500-6619-2024

1. STRUCTURAL NOTES

1.1. ANY DISCREPANCY FOUND AMONG THE DRAWINGS, SPECIFICATIONS, THESE NOTES, AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ARCHITECT AND THE STRUCTURAL ENGINEER, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING. ANY WORK DONE BY THE CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE CONTRACTOR'S RISK. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE DIMENSIONS AMONG ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. THE CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION BRACING, FORMWORK AND TEMPORARY CONSTRUCTION SHORING.

1.2. BY THE ACT OF SUBMITTING A BID FOR THE PROPOSED CONTRACT, THE CONTRACTOR WARRANTS THAT:

1.2.1. THE CONTRACTOR AND ALL SUBCONTRACTORS THEY INTEND TO USE (INCLUDING AGENTS AND SUPPLIERS) HAVE CAREFULLY AND THOROUGHLY REVIEWED THE DRAWINGS AND STRUCTURAL NOTES AND HAVE FOUND THEM COMPLETE AND FREE FROM AMBIGUITIES AND SUFFICIENT FOR THE PURPOSE INTENDED.

1.2.2. THE CONTRACTOR HAS CAREFULLY EXAMINED THE SITE OF THE WORK AND FROM THEIR OWN INVESTIGATIONS, THEY HAVE SATISFIED THEMSELF AS TO THE NATURE AND LOCATION OF THE WORK, AS TO THE CHARACTER, QUALITY, AND QUANTITIES OF MATERIAL AND DIFFICULTIES TO BE ENCOUNTERED, AS TO THE EXTENT OF EQUIPMENT AND OTHER FACILITIES NEEDED FOR THE PERFORMANCE OF THE WORK AND AS TO THE GENERAL AND LOCAL CONDITIONS, AND OTHER ITEMS WHICH MAY IN ANY WAY AFFECT THE WORK OR ITS PERFORMANCE.

1.2.3. THE CONTRACTOR AND ALL WORKERS THEY INTEND TO USE ARE SKILLED AND EXPERIENCED IN THE TYPE OF CONSTRUCTION REPRESENTED BY THE DRAWINGS AND DOCUMENTS BID UPON.

1.2.4. NEITHER THE CONTRACTOR NOR ANY OF THEIR EMPLOYEES, AGENTS, INTENDED SUPPLIERS, OR SUBCONTRACTORS HAVE RELIED UPON ANY VERBAL REPRESENTATIONS ALLEGEDLY AUTHORIZED OR UNAUTHORIZED FROM THE OWNER OR THEIR EMPLOYEES OR AGENTS, INCLUDING THE ARCHITECT OR ENGINEERS, IN ASSEMBLING THE BID FIGURES.

1.2.5. THE CONTRACTOR AND ALL SUBCONTRACTORS THEY INTEND TO USE ARE AWARE OF AND ACKNOWLEDGE THAT CLOSE COORDINATION AMONG ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS IS REQUIRED.

1.2.6. THE CONTRACTOR AND ALL SUBCONTRACTORS THEY INTEND TO USE SHALL RECOGNIZE THAT THE PROJECT CONTRACT DOCUMENTS INCLUDE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL AND OTHER TRADE DRAWINGS AND SPECIFICATIONS

1.2.7. CONTRACTOR AND ALL SUBCONTRACTORS ACKNOWLEDGE THAT CLOSE COORDINATION BETWEEN DISCIPLINES INCLUDED WITHIN THE CONTRACT DOCUMENTS IS NECESSARY. ELEMENTS THAT WILL REQUIRE CLOSE COORDINATION BY THE CONTRACTOR INCLUDE (BUT ARE NOT LIMITED TO):

A. VERIFICATION OF ALL DIMENSIONS INDICATED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS

B. DETERMINATION OF ALL COLUMN LOCATIONS

C. DETERMINATION OF TOP OF FLOOR, TOP OF STEEL, WALL PLATE AND/OR TOP OF BEAM ELEVATIONS

D. DETERMINATION OF TOP OF FOOTING ELEVATIONS AND FOOTING STEP LOCATIONS

E. MECHANICAL/ELECTRICAL EQUIPMENT LOCATIONS AND WEIGHTS

F. LOCATION AND SIZE OF ALL MECHANICAL/ ELECTRICAL PENETRATIONS THROUGH WALLS AND FLOORS/ ROOFS

G. COORDINATION WITH DESIGNERS/ SUPPLIERS OF PRE-ENGINEERED COMPONENTS (JOISTS, TRUSSES, STAIRS, ETC.)

1.2.8. THE CONTRACTOR ACKNOWLEDGES THAT TEMPORARY SHORING AND/OR BRACING MAY BE REQUIRED TO COMPLETE THE PROJECT. DESIGN AND IMPLEMENTATION OF TEMPORARY SHORING AND/OR BRACING DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

1.2.9. THE CONTRACTOR AND ALL SUBCONTRACTORS THEY INTEND TO USE SHALL MAKE CONSIDERATION FOR, AND INCLUDE MONIES FOR THE ABOVE IN THE PREPARATION OF THEIR BIDS.

1.2.10. THE CONTRACTOR SHALL NOT SCALE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR LOCATIONS OF ELEMENTS NOTED ABOVE.

1.2.11. ELECTRONIC COPIES OF THE STRUCTURAL DRAWINGS (PDF'S, CAD DRAWINGS OR BIM MODELS) MAY BE PROVIDED TO THE CONTRACTOR FOR THEIR USE. THESE FILES MAY BE PROVIDED AT THE REQUEST OF THE CONTRACTOR FOR THEIR CONVENIENCE ONLY. THE CONTRACTOR AGREES THAT THESE FILES SHALL NOT SUPERSEDE INFORMATION SHOWN ON THE ORIGINAL BID/ CONSTRUCTION DOCUMENTS. THE CONTRACTOR AGREES TO HOLD THE STRUCTURAL ENGINEER HARMLESS FOR ANY ERRORS OR DISCREPANCIES CONTAINED WITHIN THESE ELECTRONIC FILES.

1.2.12. THE BID FIGURE IS BASED SOLELY UPON THE CONSTRUCTION CONTRACT DOCUMENTS AND PROPERLY ISSUED WRITTEN OR VERBAL REPRESENTATIONS.

1.3. EXISTING BUILDING CONDITIONS

1.3.1. STRUCTURAL DESIGN IS BASED ON EXISTING FRAMING CONDITIONS OBSERVED AND FIELD MEASURED AND/OR DESCRIBED IN ORIGINAL CONSTRUCTION DRAWINGS. FIELD OBSERVATIONS DURING DESIGN ARE LIMITED TO AREAS OPEN TO VIEW AND ACCESSIBLE.

1.3.2. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING FRAMING CONDITIONS FOR COMPLIANCE WITH THE INFORMATION SHOWN ON THE STRUCTURAL DRAWINGS PRIOR TO DEMOLITION AND CONSTRUCTION. AS-BUILT DEVIATIONS FROM THE INFORMATION SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER PRIOR TO EXECUTION OF WORK IN THE AREAS AFFECTED BY THE DISCREPANCY.

1.3.3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE REINFORCING IN EXISTING CONCRETE OR MASONRY CONSTRUCTION PRIOR TO SAW-CUTTING OR CORE-DRILLING. CUTTING OF EXISTING REINFORCING SHALL NOT BE PERMITTED UNLESS DIRECTED BY THE ENGINEER.

1.3.4. WHEN SAW-CUTTING EXISTING CONCRETE OR MASONRY CONSTRUCTION, OVER-CUTTING OF CORNERS SHALL NOT BE PERMITTED.

1.4. CODES

1.4.1. ALL METHODS, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2021 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE LOCAL BUILDING AUTHORITY.

1.4.2. ALL REFERENCES TO OTHER CODES, STANDARDS AND SPECIFICATIONS, (ACI, ASTM, ETC.), SHALL BE FOR THE EDITION CURRENTLY REFERENCED BY IBC AS AMENDED AND ADOPTED BY THE LOCAL BUILDING AUTHORITY.

1.4.3. ALTERATIONS TO EXISTING BUILDINGS SHALL CONFORM TO THE 2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC) AS AMENDED AND ADOPTED BY THE LOCAL BUILDING AUTHORITY.

1.5. DESIGN CRITERIA

1.5.1. UNIFORM LOADS:

LOCATION	LIVE LOAD	DEAD LOAD
ROOF	30 PSF (SNOW*)	ACTUAL
FREIGHT ROOM FLOOR	50 PSF	ACTUAL
TICKET OFFICE FLOOR	50 PSF	ACTUAL
WAITING ROOF FLOOR	50 PSF	ACTUAL
MECH PLATFORM	50 PSF	ACTUAL
SLAB ON GRADE	125 PSF OR 2000# CONCENTRATED LOAD	ACTUAL
HANDRAILS AND GUARDS	50 PLF OR 200# CONCENTRATED LOAD	

* THIS IS NOT A GROUND SNOW LOAD

WHERE LIVE LOADS OF COMMERCIAL OR INDUSTRIAL BUILDINGS EXCEED 50 PSF, SUCH DESIGN LOADS SHALL BE POSTED IN THAT PART OF EACH STORY IN WHICH THEY APPLY

1.5.2. SNOW LOADS PER IBC SECTION 1608 AND CHAPTER 7 OF ASCE 7:

GROUND SNOW LOAD (P_g):	33.0 PSF
FLAT ROOF SNOW LOAD (P_f):	30.0 PSF
SNOW EXPOSURE FACTOR (C_e):	1.0
SNOW IMPORTANCE FACTOR (I_s):	1.0
THERMAL FACTOR (C_t):	1.0

1.5.3. CONCENTRATED LOADS: ALL MANUFACTURERS OF PRE-ENGINEERED COMPONENTS OR SYSTEMS SHALL LOCATE, COORDINATE, VERIFY WEIGHTS, ETC., OF MECHANICAL UNITS OR OTHER CONCENTRATED LOADS AND DESIGN THEIR SYSTEM FOR THESE LOADS.

1.5.4. WIND LOADS (PER IBC SECTION 1609 AND ASCE 7 CHAPTERS 26 THRU 30):

BASIC WIND SPEED (V):	99MPH
RISK CATEGORY	II
WIND EXPOSURE:	C
APPLICABLE INTERNAL PRESSURE COEFFICIENT:	+/-0.18
PARTIALLY ENCLOSED/UNENCLOSED STRUCTURE	
TOPOGRAPHIC FACTOR (K_{zt})	1.0

1.5.5. SEISMIC LOADS (PER IBC SECTION 1613 AND ASCE 7 CHAPTERS 11 THRU 13):

RISK CATEGORY:	II
SEISMIC IMPORTANCE FACTOR (I_e):	1.0
S_s:	0.478
S_1:	0.197
SITE CLASS:	D – DEFAULT *
S_{DS}:	0.452
S_{D1}:	0.29
SEISMIC DESIGN CATEGORY:	D
ANALYSIS PROCEDURE USED:	EQUIVALENT LATERAL FORCE PROCEDURE

* SITE CLASS D IS SELECTED AS THE DEFAULT SITE CLASS PER ASCE 7 SECTION 11.4.3 AND THE VALUE OF F_a = 1.2

SEISMIC FORCE-RESISTING SYSTEM	RESPONSE MODIFICATION COEFFICIENT, R	OVERSTRENGTH FACTOR, Ω_0
A. BEARING WALL SYSTEMS:		
17. LIGHT-FRAME WALLS WITH SHEAR PANELS OF ALL OTHER MATERIRALS	2	2 ½

NOTE: TABULATED OVERSTRENGTH FACTOR HAS BEEN REDUCED IN ACCORDANCE WITH ASCE 7 TABLE 12.2-1 FOOTNOTE B FOR STRUCTURES WITH FLEXIBLE DIAPHRAGMS.

1.6. STATEMENT OF SPECIAL INSPECTIONS

SEE STATEMENT OF SPECIAL INSPECTION AND TESTING SHEET S010.

1.7. SHOP DRAWINGS

1.7.1. SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR THE FOLLOWING:

A. CONCRETE MIX DESIGN SUBMITTALS

B. REINFORCING STEEL

C. STRUCTURAL AND MISCELLANEOUS STEEL INCLUDING WELD INSERTS AND ANCHORS

1.7.2. SHOP DRAWING REVIEW NOTES

A. ENGINEER OF RECORD SHALL REVIEW SHOP DRAWINGS FOR GENERAL CONFORMANCE WITH THE PROJECT CONSTRUCTION DOCUMENTS (PLANS AND SPECIFICATIONS).

B. ENGINEER OF RECORD REVIEW OF SHOP DRAWINGS SHALL NOT RELIEVE THE GENERAL CONTRACTOR OF THEIR RESPONSIBILITY FOR REVIEW OF THE SHOP DRAWINGS FOR COMPLIANCE WITH THE PROJECT REQUIREMENTS.

C. APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER OF RECORD SHALL NOT BE CONSIDERED AS A GUARANTEE BY THE ENGINEER THAT THE SHOP DRAWINGS COMPLY WITH ALL PROJECT REQUIREMENTS.

D. CONCURRENT SHOP DRAWING REVIEW SHALL ONLY BE PERMITTED IF APPROVED BY THE ARCHITECT/ENGINEER OF RECORD PRIOR TO THE START OF SHOP DRAWING REVIEW.

1.8. MISCELLANEOUS

1.8.1. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD.

1.8.2. VERIFY SIZE AND LOCATION OF ALL OPENINGS IN THE FLOORS, ROOF AND WALLS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.

1.8.3. CONSTRUCTION DETAILS NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL FOLLOW SIMILAR DETAILS OF SECTIONS OF THIS PROJECT AS APPROVED BY THE ARCHITECT/ ENGINEER.

1.8.4. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR DIMENSIONS AND LOCATIONS OF OPENINGS NOT DIMENSIONED OR SHOWN ON STRUCTURAL PLANS.

1.8.5. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND WEIGHTS OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT INCLUDING HOUSEKEEPING PADS.

1.8.6. FOR PIPES, CONDUITS, DUCTS AND MECHANICAL EQUIPMENT SUPPORTED OR BRACED FROM STRUCTURE: CONFORM TO SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC., PUBLICATION "APPENDIX E: SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL SYSTEMS." ALL BRACING AND SUPPORTS SHALL BE DESIGNED FOR SEISMIC HAZARD LEVEL (SHL) B. SPRINKLER LINE ATTACHMENTS SHALL CONFORM TO NFPA PAMPHLET 13.

1.8.7. THE STRUCTURE HAS BEEN DESIGNED TO RESIST CODE REQUIRED VERTICAL AND LATERAL FORCES AFTER THE CONSTRUCTION OF ALL STRUCTURAL ELEMENTS HAS BEEN COMPLETED. STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THIS RESPONSIBILITY INCLUDES BUT IS NOT LIMITED TO JOB SITE SAFETY: ERECTION MEANS, METHODS, AND SEQUENCES; TEMPORARY SHORING, FORMWORK, AND BRACING; USE OF EQUIPMENT AND CONSTRUCTION PROCEDURES.

2. SITE PREPARATION/SOIL REMEDIATION

2.1. SOIL DATA

ALLOWABLE SOIL PRESSURE 1,500 PSF (ASSUMED). ALLOW 33-1/3% INCREASE FOR LOADS FROM WIND OR SEISMIC ORIGIN. SEE ARCHITECTURAL DRAWNGS AND PROJECT SPECIFICATIONS FOR ALL SUBGRADE PREPARATION REQUIREMENTS AS WELL AS CAPILLARY BREAK AND VAPOR BARRIER RECOMMENDATIONS.

2.1.1. RETAINING WALL DESIGN CRITERIA:

A. ACTIVE EARTH PRESSURE:	35 PCF
B. AT-REST EARTH PRESSURE:	50 PCF
C. SEISMIC EARTH PRESSURE:	10 x "H" PSF
D. PASSIVE EARTH PRESSURE:	250 PCF *
E. FRICTION COEFFICIENT:	0.35 *

* INCLUDES FACTOR OF SAFETY OF 1.5

2.2. EXCAVATION

EXCAVATE TO DEPTH SHOWN AND TO FIRM UNDISTURBED MATERIAL. OVER-EXCAVATIONS SHALL BE BACKFILLED WITH LEAN CONCRETE (f'_c=500-1200 PSI) OR STRUCTURAL FILL AT THE CONTRACTOR'S EXPENSE. EXERCISE EXTREME CARE DURING EXCAVATION TO AVOID DAMAGE TO BURIED LINES, TANKS, AND OTHER CONCEALED ITEMS. UPON DISCOVERY, DO NOT PROCEED WITH WORK UNTIL RECEIVING WRITTEN INSTRUCTIONS FROM THE ARCHITECT. A COMPETENT REPRESENTATIVE OF THE OWNER SHALL INSPECT ALL FOOTING EXCAVATIONS FOR SUITABILITY OF BEARING SURFACES PRIOR TO PLACEMENT OF REINFORCING STEEL. PROVIDE DRAINAGE AS NECESSARY TO AVOID WATER-SOFTENED SUBGRADE.

2.3. FILL, BACKFILL AND COMPACTION

BACKFILL AGAINST WALLS SHALL NOT BE PLACED UNTIL AFTER THE REMOVAL OF ALL MATERIAL SUBJECT TO ROT OR CORROSION. ALL FILL PLACED AGAINST RETAINING WALLS OR BASEMENT WALLS SHALL BE FREE DRAINING GRANULAR MATERIAL. STRUCTURAL FILL OTHER THAN PEA GRAVEL SHALL BE GRANULAR PLACED IN 6-INCH LIFTS AND COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MOD PROCTOR). PEA GRAVEL FILL SHALL HAVE A MAXIMUM PARTICLE SIZE OF 3/8" DIAMETER.

3. STRUCTURAL CONCRETE

3.1. GENERAL

ALL CONCRETE SHALL BE HARD ROCK CONCRETE MEETING 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 WINTER CONCRETING AND ACI-605 (305) FOR HOT WEATHER CONCRETING. USE INTERIOR MECHANICAL VIBRATORS WITH 7,000 RPM MINIMUM FREQUENCY. DO NOT OVER-VIBRATE. CONCRETE SHALL BE PLACED MONOLITHICALLY BETWEEN CONSTRUCTION OR CONTROL JOINTS. PROTECT ALL CONCRETE FROM PREMATURE DRYING, EXCESSIVE HOT OR COLD TEMPERATURE FOR SEVEN DAYS AFTER PLACING.

3.2. STRENGTH

TWENTY-EIGHT DAY COMPRESSIVE STRENGTHS (f'_c) SHALL BE AS FOLLOWS WITH EXPOSURE CATEGORY AND CLASS PER ACI TABLE 19.3.1.1 GIVEN IN PARENTHESIS:

SLABS ON GRADE (F0/S0/W0/C0)	4000 PSI
FOOTINGS (F0/S0/W0/C1)	3000 PSI
VERTICALLY FORMED WALLS (F1/S0/W0/C0)	4000 PSI *

* MAXIMUM W/C RATIO SHALL BE 0.55

CONCRETE SUPPLIER TO PROVIDE TEST RECORDS PER SECTION 26.4 OF ACI 318. WHEN NO PRIOR EXPERIENCE OR TRIAL MIXTURE DATA ARE AVAILABLE, THE WATER/CEMENT RATIO FROM THE TABLE BELOW MAY BE USED, BUT ONLY WHEN SPECIAL PERMISSION IS GIVEN BY ENGINEER.

MAXIMUM ABSOLUTE WATER/CEMENT RATIO BY WEIGHT FOR CONCRETE MIXES WITHOUT TEST RECORDS SHALL BE AS FOLLOWS:

SPECIFIED COMPRESSIVE STRENGTH	NON-AIR ENTRAINED CONCRETE	AIR-ENTRAINED CONCRETE
3000 PSI	0.58	0.46
4000 PSI	0.44	0.35

3.3. MATERIALS

3.3.1. CEMENT: ASTM C150, TYPE I OR TYPE II. ENGINEER'S APPROVAL IS NEEDED FOR USE OF TYPE III CEMENT.

3.3.2. COARSE AND FINE AGGREGATE: ASTM C33.

3.3.3. WATER SHALL BE CLEAN AND POTABLE.

3.3.4. FLYASH: ASTM C618 CLASS C (CLASS F MAY BE ALLOWED IF APPROVED BY THE STRUCTURAL ENGINEER)

3.3.5. GROUND GRANULATED BLAST FURNACE SLAG (GGBFS): ASTM C989 GRADE 100 OR 120. GGBFS SHALL NOT BE PERMITTED UNLESS REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER. MIX DESIGNS SUBMITTED INCLUDING GGBFS SHALL INCLUDE SHRINKAGE TEST RESULTS AT 28 DAYS.

3.4. ADMIXTURES

3.4.1. WATER REDUCING ADMIXTURE: ASTM C494. ADMIXTURES SHALL BE USED IN EXACT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

3.4.2. WATER REDUCING ADMIXTURES SHALL BE USED AT ALL HEAVILY CONGESTED AREAS (I.E. CONCRETE BEAMS, COLUMNS AND WALLS WITH REINFORCING SPACING OF 4" OR LESS)

3.4.3. CONCRETE USING ADMIXTURES TO PRODUCE FLOWABLE CONCRETE MAY BE USED SUBJECT TO ENGINEER'S APPROVAL.

3.4.4. AIR ENTRAINMENT: ASTM C260 AND ASTM C494 ENTRAIN 5% PLUS/MINUS 1.5% BY VOLUME IN ALL CONCRETE EXPOSED TO WEATHER.

3.4.5. NO OTHER ADMIXTURES PERMITTED UNLESS APPROVED BY THE ENGINEER.

3.5. FORMWORK AND SHORING

3.5.1. FOLLOW RECOMMENDED PRACTICE FOR CONCRETE FORMWORK (ACI-347).

3.5.2. ALL SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. FORMWORK SUPPORTS AND SHORING SHALL BE DESIGNED TO PROVIDE FINISHED CONCRETE SURFACES AT ALL FACES LEVEL, PLUMB AND TRUE TO THE DIMENSIONS AND ELEVATIONS SHOWN. TOLERANCES AND VARIATIONS SHALL BE AS SPECIFIED.

3.6. REINFORCING STEEL:

3.6.1. DETAIL, FABRICATE, AND PLACE PER ACI-315 AND ACI-318. SUPPORT REINFORCEMENT WITH APPROVED CHAIRS, SPACERS, OR TIES.

3.6.2. DEFORMED BAR REINFORCEMENT: ASTM A615 GR 60

3.6.3. WELDABLE DEFORMED BAR REINFORCEMENT: ASTM A706 GR 60 WHERE NOTED ON STRUCTURAL DRAWINGS

3.6.4. WELDED WIRE FABRIC: ASTM 1064 GR 65

3.6.5. DEFORMED BAR ANCHORS: ASTM A496

3.6.6. HEADED SHEAR STUD REINFORCEMENT: ASTM A1044

3.6.7. EXCEPT AS NOTED SPECIFICALLY ON THE DRAWINGS, ALL CONCRETE REINFORCEMENT SHALL BE LAP-SPLICED AS FOLLOWS:

#6 AND SMALLER 48 X BAR DIAMETER
#7 AND LARGER 56 X BAR DIAMETER

NO MORE THAN 50% HORIZONTAL OR VERTICAL BARS SHALL BE SPLICED AT ONE LOCATION

3.6.8. EXCEPT AS NOTED SPECIFICALLY ON THE DRAWINGS, PROVIDE CORNER BARS TO MATCH QUANTITY AND DIAMETER OF HORIZONTAL REINFORCEMENT AND LAP WITH HORIZONTAL REINFORCEMENT AS FOLLOWS:

#6 AND SMALLER 48 X BAR DIAMETER
#7 AND LARGER 56 X BAR DIAMETER

THESE CORNER BARS SHALL BE PLACED AT ALL CORNERS AND INTERSECTIONS IN CONCRETE FOOTINGS AND WALLS.

3.6.9. LAP WELDED WIRE FABRIC 12" OR ONE SPACING PLUS 2", WHICHEVER IS MORE.

3.7. CONCRETE COVER ON REINFORCING SHALL BE AS FOLLOWS (UNLESS SHOWN OTHERWISE):

BOTTOM OF FOOTINGS	3"
FORMED EARTH FACE AND SLAB ON GRADE	2"
WALLS, WEATHER FACE	1-1/2"
WALLS, INSIDE FACE	1"

3.8. CONSTRUCTION OR CONTROL JOINTS

3.8.1. UNLESS NOTED OTHERWISE, LOCATION OF THE CONSTRUCTION OR CONTROL JOINTS IN SLAB ON GRADE SHALL NOT EXCEED THE DISTANCES NOTED BELOW. JOINTS SHALL BE LOCATED ON COLUMN GRIDS OR UNDER PERMANENT PARTITIONS TO THE GREATEST EXTENT POSSIBLE. ADDITIONAL JOINTS SHALL BE REQUIRED AT REENTRANT CORNERS AND CORNERS OF SLAB DEPRESSIONS OR PENETRATIONS. SEE ARCHITECTURAL DRAWINGS FOR JOINT LAYOUT AT EXPOSED CONCRETE CONDITIONS. PROVIDE JOINT SEALANT PER SPECIFICATIONS - INSTALL PER MANUFACTURER RECOMMENDATIONS.

4" SLAB ON GRADE 12'-0" OC
6" SLAB ON GRADE 18'-0" OC

3.8.2. CONSTRUCTION OR CONTROL JOINT SPACING IN WALLS SHALL NOT EXCEED 50' ON CENTER EXCEPT AS DIRECTED BY THE ARCHITECT/ENGINEER.

3.9. CONDUIT AND PIPING EMBEDDED IN CONCRETE

3.9.1. ELECTRICAL CONDUIT SHALL NOT BE PLACED WITHIN A SLAB ON GRADE BUT PLACED BELOW THE SLAB IN THE SUB-BASE.

5. METALS

5.1. STRUCTURAL STEEL GENERAL REQUIREMENTS

5.1.1. ALL DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO AISC 360-16 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", AISC 341-16 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS" AND AISC 303-16 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" EXCEPT AS AMENDED BY THESE STRUCTURAL NOTES.

5.2. STRUCTURAL STEEL

5.2.1. STEEL W SHAPES AND C & MC SHAPES 8" OR LARGER SHALL BE ASTM A992 (F_y=50 KSI).

5.2.2. STEEL M, S, HP AND L SHAPES SHALL BE ASTM A572 Gr. 50 (F_y=50 KSI).

5.2.3. STEEL PLATES THAT ARE PART OF THE SEISMIC FORCE RESISTING SYSTEM SHALL BE ASTM A572 Gr. 50 (F_y=50 KSI).

5.2.4. OTHER STEEL PLATES AND C & MC SHAPES SMALLER THAN 8" SHALL BE ASTM A36 (F_y=36 KSI).

5.2.5. STEEL PIPE SECTIONS (PIPE) SHALL BE ASTM A53 Gr. B (F_y=35 KSI).

5.2.6. RECTANGULAR AND ROUND HOLLOW STEEL SECTIONS (HSS) OR TUBE STEEL SECTIONS (TS) SHALL BE ASTM A500, GR. C (F_y=50 KSI).

5.2.7. STRUCTURAL TEES SHALL BE CUT FROM W, M OR S SHAPES TO MAKE WT, MT AND ST SHAPES.

5.2.8. BOLTS

A. MACHINE BOLTS NOT SPECIFIED AS HIGH STRENGTH SHALL BE ASTM A307 GRADE A.

5.2.9. STEEL ANCHORAGE ELEMENTS:

A. THREADED RODS SHALL BE ALL-THREAD ASTM A36 (F_y=36 KSI) UNLESS NOTED OTHERWISE.

B. WELDED HEADED STUDS: "NELSON STUDS" SHALL BE BY NELSON STUD WELDING, INC. OR APPROVED EQUIVALENT COMPLYING WITH ASTM A108. STUDS SHALL HAVE A MINIMUM F_u OF 65 KSI.

C. ANCHOR RODS: ANCHOR RODS SHALL BE ASTM F1554, F_y=36 KSI WITH HOOKED, HEADED OR THREADED AND NUTTED ENDS AS INDICATED. AT COLUMN LOCATIONS ANCHOR RODS SHALL BE ASTM F1554, F_y=36 KSI WITH HEADED OR THREADED/NUTTED END. TACK WELD NUT TO ANCHOR ROD UNLESS NOTED OTHERWISE. WHERE NOTED, HIGH STRENGTH ANCHOR RODS SHALL BE ASTM F1554, F_y=105 KSI WITH DOUBLE NUTTED PLATE WASHER.

D. EXPANSION ANCHORS SHALL BE CARBON STEEL AS NOTED IN THE FOLLOWING TABLE. ANCHORS IN CONCRETE SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.2 AND/OR ICC-ES AC193 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. ANCHORS SHALL HAVE A CURRENT CODE REPORT THAT COMPLIES WITH THE CURRENT EDITION OF THE IBC AND SHALL BE RATED FOR USE IN THE SEISMIC DESIGN CATEGORY NOTED IN THE DESIGN CRITERIA SECTION OF THESE NOTES.

EXPANSION ANCHORS IN CONCRETE	CODE REPORT
HILTI KWIK BOLT TZ	ICC ESR-1917
SIMPSON STRONG-BOLT 2	ICC ESR-3037
DEWALT POWER-STUD+ SD2	ICC ESR-2502

E. HEAVY DUTY CONCRETE/MASONRY SCREW ANCHORS SHALL BE USED IN DRY INTERIOR CONDITIONS AND SHALL BE AS NOTED IN THE FOLLOWING TABLE:

HEAVY DUTY CONCRETE/ MASONRY SCREW ANCHORS	CODE REPORT
HILTI KWIK HUS-EZ	ICC ESR-3027(CONC) ICC ESR-3056 (CMU)
SIMPSON TITEN HD	ICC ESR-2713 (CONC) ICC ESR-1056 (CMU)
DEWALT SCREW BOLT+	ICC ESR-3889 (CONC) ICC ESR-4042 (CMU)

NOTES CONTINUE ON SHEET S002

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	ADM	8/9/2024
DRAWN	CLR	8/9/2024
CHECKED (FIELD)		
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PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

STRUCTURAL NOTES

S001

SCALE
AS SHOWN

PARK FILE# I500-6619-2024

DATE: August 9, 2024 FILENAME: Q:\2023\2230784\20_STR\CAD\2230784S-000.dwg

F. ADHESIVE ANCHORS SHALL BE THREADED ANCHOR RODS OR REBAR DOWELS USING AN INJECTABLE ADHESIVE AS NOTED IN THE FOLLOWING TABLE. ANCHORS IN CONCRETE SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND/OR ICC-ES AC-308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. ANCHORS SHALL HAVE A CURRENT CODE REPORT THAT COMPLIES WITH THE CURRENT EDITION OF THE IBC AND SHALL BE RATED FOR USE IN THE SEISMIC DESIGN CATEGORY NOTED IN THE DESIGN CRITERIA SECTION OF THESE NOTES.

ADHESIVE ANCHORS IN CONCRETE (1) (2)	CODE REPORT
HILTI HIT-HY 200 V3	ICC ESR-4868
SIMPSON AT-3G (3)	ICC ESR-5026
DEWALT AC200+ DUST-X	ICC ESR-4027

(1) ADHESIVE ANCHORS INSTALLED IN HORIZONTAL TO VERTICALLY OVERHEAD ORIENTATION TO SUPPORT SUSTAINED TENSION LOADS SHALL BE DONE BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS CERTIFIED THROUGH ACI/CRSI, OR AN APPROVED ALTERNATE WHEN SUBMITTED AND APPROVED BY THE ENGINEER. PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF INSTALLATION.

(2) ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS.

(3) SIMPSON SET-XP MAY BE USED WHERE BASE MATERIAL TEMPERATURE IS ABOVE 50 DEGREES FAHRENHEIT OR FOR EMBEDMENT GREATER THAN 12-INCHES FOR LONGER GEL TIME. SEE ICC ESR-2508 (CONC).

G. POWDER ACTUATED FASTENERS: PDF'S OR PAF'S SHALL BE A MINIMUM 0.157" DIA KNURLED SHANK FASTENER AS NOTED IN THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE. FASTENERS DRIVEN INTO STEEL SHALL BE DRIVEN SO THAT THE POINT OF THE FASTENER COMPLETELY PENETRATES THE STEEL BASE MATERIAL. AT TOPPING SLABS, PT SLABS OR SLABS WITH RADIANT HEAT TUBES EMBEDDED WITHIN THE SLAB, LIMIT THE PDF PENETRATION TO 3/4" MAXIMUM AND COORDINATE WITH TENDON/TUBE PLACEMENT AND COVER.

POWDER ACTUATED FASTENERS	CODE REPORT
HILTI X-U	ICC ESR-2269
SIMPSON PDPA	ICC ESR-2138
DEWALT CSI PIN	ICC ESR-2024

5.2.10. METAL PROTECTION: ALL STEEL EXPOSED TO WEATHER, MOISTURE, SOIL, OR AS NOTED SHALL BE GALVANIZED PER ASTM A123 OR A153 AS APPLICABLE. ALL OTHER STEEL SURFACES SHALL BE SHOP PRIMED AFTER FABRICATION.

REPAIR ALL DAMAGED AREAS OF GALVANIZED PARTS SUCH AS FIELD WELDS, ETC. APPLY REPAIR COATING THICKNESS GREATER THAN OR EQUAL TO ORIGINAL ZINC COATING THICKNESS.

5.3. WELDING

5.3.1. ALL WELDING SHALL BE IN ACCORDANCE WITH THE "STRUCTURAL WELDING CODE," AWS D1.1, AWS D1.4 AND AWS D1.8 AS APPROPRIATE.

5.3.2. ALL WELDING SHALL BE BY CERTIFIED WELDERS; USE 70 KSI LOW HYDROGEN FILLER METAL AND SHALL BE PROTECTED PER AWS D1.1 UNTIL USE. FOR ALL FULL PENETRATION WELDS, FILLER METAL SHALL BE NOTCH TOUGH TO MEET CHARPY V-NOTCH OF 20 FOOT-POUND AT -20°F.

6. CARPENTRY

DIMENSION LUMBER SHALL BE DOUGLAS FIR / LARCH No. 2 UNO. SAWN LUMBER BEAMS, HEADERS AND COLUMNS SHALL BE DF #2 OR AS SHOWN ON THE DRAWINGS. ALL 2" NOMINAL LUMBER SHALL BE KILN DRIED (KD). EACH PIECE OF LUMBER SHALL BEAR STAMP OF WEST COAST LUMBER INSPECTION BUREAU (WCLIB) AND/OR WESTERN WOOD PRODUCTS ASSOCIATION (WWPA) SHOWING GRADE MARK.

6.1. PRESSURE-PRESERVATIVE TREATMENT IN ACCORDANCE WITH AMERICAN WOOD PROTECTION ASSOCIATION (AWPA) STANDARD U1, LATEST EDITION TO THE USE CATEGORY AS FOLLOWS:

6.1.1. TREAT ALL WOOD IN CONTACT WITH CONCRETE, MORTAR, GROUT, MASONRY AND WITHIN 12" OF EARTH TO THE REQUIREMENTS OF USE CATEGORY UC2 (INTERIOR/DAMP).

6.1.2. TREAT ALL WOOD EXPOSED TO WEATHER BUT PROTECTED BY PAINT OR COVER TO THE REQUIREMENTS OF USE CATEGORY UC3A (ABOVE GROUND PROTECTED).

6.1.3. TREAT ALL WOOD EXPOSED TO WEATHER SUCH AS EXTERIOR DECKING, JOISTS, BEAMS, RAILINGS, ETC TO THE REQUIREMENTS OF USE CATEGORY UC3B (ABOVE GROUND EXPOSED).

6.1.4. TREAT ALL WOOD IN CONTACT WITH THE GROUND, SOIL OR FRESH WATER TO THE REQUIREMENTS OF USE CATEGORY UC4A (GROUND CONTACT GENERAL USE).

6.1.5. TREAT ALL LUMBER NOTED AS FIRE TREATED TO THE REQUIREMENTS OF USE CATEGORY UCFA (FIRE RETARDANT INTERIOR).

6.1.6. WHERE POSSIBLE, PRECUT MATERIAL PRIOR TO TREATMENT. ALL FIELD CUTS AND DRILLED HOLES SHALL BE FIELD TREATED IN ACCORDANCE WITH AWPA M-4.

6.2. CARPENTRY HARDWARE

6.2.1. MACHINE BOLTS SHALL BE ASTM A307.

6.2.2. PROVIDE MALLEABLE IRON WASHERS (MIW) OR HEAVY PLATE CUT WASHERS WHERE BOLT HEADS, NUTS OR LAG SCREWS BEAR ON WOOD.

6.2.3. NAILS SHALL BE COMMON, AMERICAN OR CANADIAN MANUFACTURER ONLY WITH MIN. DIAMETERS AS FOLLOWS:

NAIL SIZE	MINIMUM NAIL SHANK DIAMETER	MINIMUM NAIL LENGTH
8d	0.131"	2 1/2"
10d	0.148"	3"
12d	0.148"	3 1/4"
16d SINKER	0.148"	3 1/4"
16d	0.162"	3 1/2"
20d	0.192"	4"

6.2.4. LAG SCREWS SHALL MEET THE REQUIREMENTS OF ANSI/ASME B18.2.1. WOOD SCREWS SHALL MEET THE REQUIREMENTS OF ANSI/ASME B18.6.1.

6.2.5. ANCHORS AND CONNECTIONS SHALL BE SIMPSON, USP, OR ICC (INTERNATIONAL CODE COUNCIL) APPROVED. ALL FASTENERS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE SHOWN. SUBSTITUTED CONNECTIONS SHALL HAVE A TABULATED CAPACITY EQUAL TO OR GREATER THAN THE SPECIFIED CONNECTOR.

6.2.6. CORROSION RESISTANT HARDWARE AND FASTENERS:

A. FASTENERS AND HARDWARE EXPOSED TO WEATHER OR IN UNHEATED PORTIONS OF THE BUILDING SHALL BE MECHANICALLY OR HOT DIPPED GALVANIZED PER ASTM B695 - CLASS 55 OR ASTM A153 - CLASS D. HARDWARE IN CONTACT WITH TREATED WOOD SHALL CONFORM TO A MINIMUM GALVANIZED COATING OF G185 OR AS NOTED BELOW.

B. IF PRESERVATIVE TREATMENT USED IS AC2A (AMMONIACAL COPPER ZINC ARSENATE), IF THE CHEMICAL RETENTION LEVEL IS AWPA USE CATEGORY UC4A OR GREATER, OR IF THE PRESERVATIVE TREATMENT USED IS NOT KNOWN, HARDWARE SHALL BE TYPE 316L STAINLESS STEEL. FASTENERS SHALL BE TYPE 304 OR 305 STAINLESS STEEL.

C. HARDWARE IN MARINE ENVIRONMENT SHALL BE TYPE 316L STAINLESS STEEL. FASTENERS SHALL BE TYPE 316 STAINLESS STEEL, HOT DIPPED GALVANIZED TO ASTM A153 - CLASS C, SILICON BRONZE, OR COPPER.

D. IN THE EVENT OF A CONFLICT BETWEEN THE HARDWARE MANUFACTURER'S RECOMMENDATIONS FOR SELECTING CORROSION-RESISTANT HARDWARE AND FASTENERS, THESE NOTES, AND THE SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT SHALL BE USED UNLESS APPROVED BY THE ENGINEER.

6.3. MINIMUM NAILING: PER IBC TABLE 2304.10.1 FASTENING SCHEDULE.

6.4. COORDINATION AT HOLES IN WOOD STUD WALLS

6.4.1. PIPES IN INTERIOR NONBEARING WALLS: STUD PARTITIONS CONTAINING PIPES SHALL BE FRAMED, AND THE JOISTS SHALL BE SPACED, SO AS TO GIVE PROPER CLEARANCE FOR THE PIPING. WHERE A PARTITION CONTAINING PIPING RUNS PARALLEL TO THE JOISTS, THE JOISTS SHALL BE DOUBLED AND SPACED SO AS TO PERMIT THE PASSAGE OF SUCH PIPING AND SHALL BE BRIDGED. WHERE PIPES ARE PLACED IN, OR PARTIALLY IN, A PARTITION NECESSITATING THE CUTTING OF THE SOLES OR PLATES, A SIMPSON RPS STRAP SHALL BE FASTENED TO EACH PLATE ACROSS AND TO EACH SIDE OF THE OPENING WITH NOT LESS THAN SIX 16d NAILS.

6.4.2. CUTTING AND NOTCHING SAWN LUMBER: IN EXTERIOR WALLS AND BEARING PARTITIONS, ANY WOOD STUD IS PERMITTED TO BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 15 PERCENT OF ITS WIDTH. CUTTING OR NOTCHING OF STUDS TO A DEPTH NOT GREATER THAN 40 PERCENT OF THE WIDTH OF THE STUD IS PERMITTED IN NONBEARING PARTITIONS SUPPORTING NO LOADS OTHER THAN THE WEIGHT OF THE PARTITION.

6.4.3. CUTTING AND NOTCHING ENGINEERED LUMBER: CUTTING AND NOTCHING SHALL NOT BE PERMITTED IN ENGINEERED LUMBER (LSL) STUDS WITHOUT APPROVAL FROM THE ENGINEER OF RECORD.

6.4.4. BORED HOLES IN SAWN LUMBER: A HOLE NOT GREATER IN DIAMETER THAN 33 PERCENT OF THE STUD WIDTH IS PERMITTED TO BE BORED IN ANY WOOD STUD WITHOUT ENGINEERING VERIFICATION. BORED HOLES NOT GREATER THAN 60 PERCENT OF THE WIDTH OF THE STUD ARE PERMITTED IN NONBEARING PARTITIONS, PROVIDED NOT MORE THAN ANY TWO ADJACENT STUDS ARE SO BORED. IN NO CASE SHALL THE EDGE OF THE BORED HOLE BE NEARER THAN 5/8-INCH FROM THE EDGE OF THE STUD. BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF STUD AS A NOTCH OR CUT AND SHALL NOT BE LOCATED WITHIN 8-INCHES OF THE END OF THE STUD.

6.5. SHEATHING (WOOD STRUCTURAL PANEL SHEATHING)

EACH PANEL SHALL BE IDENTIFIED WITH THE APPROPRIATE TRADEMARK OF APA, AND SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF VOLUNTARY PRODUCT STANDARD PS1, VOLUNTARY PRODUCT STANDARD PS2 OR ANSI/APA PRP-210. PANEL PERFORMANCE CATEGORY, GRADE AND GROUPNUMBER OR SPAN RATING SHALL BE AT LEAST EQUAL TO THAT SHOWN ON THE DRAWINGS. APPLICATION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF APA. ALL PLYWOOD SHALL BE C-D INTERIOR WITH EXTERIOR GLUE OR AS NOTED ON THE DRAWINGS AND SHALL BE GROUP 1 OR II SPECIES. EXCEPT AS OTHERWISE SHOWN, PROVIDE THE FOLLOWING MINIMUM NAILING: PANEL EDGES 10d AT 6" ON CENTER, INTERMEDIATE SUPPORT 10d AT 12" ON CENTER. GAP SHEETS 1/8" FOR 4'x8' SHEETS AND 1/4" FOR 8'x8' AND LARGER SHEETS, UNLESS OTHERWISE INDICATED BY PANEL MANUFACTURER. THE MOISTURE CONTENT SHALL NOT BE GREATER THAN 15% AT TIME OF ROOFING.

CAD NO.

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ACTION	BY	DATE
DESIGNED	ADM	8/9/2024
DRAWN	CLR	8/9/2024
CHECKED (FIELD)		
CHECKED (HDQTS.)		

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WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

STRUCTURAL NOTES

S002

SCALE
AS SHOWN

PARK FILE# I500-6619-2024

11. STATEMENT OF SPECIAL INSPECTIONS

IBC	SI	SO	TITLE
1705.1.1	✓	✓	SPECIAL CASES (SEE FOLLOWING NOTES FOR EXTENT)
1705.2	✓	✓	STEEL CONSTRUCTION (SEE TABLES 15A, 15B, 15C, AND 15D)
1705.3	✓	✓	CONCRETE CONSTRUCTION (SEE TABLE 13)
1705.5	✓	✓	WOOD CONSTRUCTION
1705.6	✓	N/R	SOILS (SEE TABLE 12A)

SI = SPECIAL INSPECTION

SO = STRUCTURAL OBSERVATION

✓ = ITEM IS REQUIRED

N/R = ITEM IS NOT REQUIRED

SPECIAL INSPECTIONS INDICATED ARE FOR STRUCTURAL ELEMENTS ONLY. SEE ARCH, MECH AND ELEC DRAWINGS FOR ADDITIONAL SPECIAL INSPECTIONS.

11.

11.1. INSPECTION/TESTING REQUIREMENTS:

SEE DRAWINGS, SPECIFICATIONS, AND IBC SECTIONS 110, AND CHAPTER 17.

11.2. INSPECTIONS BY THE BUILDING OFFICIAL (IBC SECTION 110):

11.2.1. FOOTING AND FOUNDATION INSPECTIONS SHALL BE MADE AFTER EXCAVATIONS ARE COMPLETE AND ANY REQUIRED REINFORCING IS IN PLACE. ANY REQUIRED FORMS SHALL BE IN PLACE PRIOR TO INSPECTION.

11.2.2. CONCRETE SLAB AND UNDER FLOOR INSPECTIONS SHALL BE MADE AFTER ALL IN SLAB OR UNDER FLOOR REINFORCING, CONDUIT, PIPING AND OTHER ANCILLARY EQUIPMENT ITEMS AND ACCESSORIES ARE IN PLACE BUT PRIOR TO CONCRETE PLACEMENT OR FLOOR SHEATHING INSTALLATION.

11.2.3. FRAMING INSPECTIONS SHALL BE MADE AFTER ALL SHEATHING, FRAMING, BLOCKING AND BRACING ARE COMPLETE AND ALL PIPES, DUCTS, ELECTRICAL, PLUMBING, ETC., ARE INSTALLED AND APPROVED PRIOR TO COVER.

11.2.4. IN ADDITION TO THE INSPECTIONS SPECIFIED ABOVE, THE BUILDING OFFICIAL IS AUTHORIZED TO MAKE OR REQUIRE OTHER INSPECTIONS OF ANY CONSTRUCTION WORK TO ASCERTAIN COMPLIANCE WITH THE PROVISIONS OF THE IBC OR OTHER LAWS ENFORCED BY THE BUILDING OFFICIAL.

11.3. STRUCTURAL TESTS AND SPECIAL INSPECTIONS (IBC CHAPTER 17):

11.3.1. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

11.3.2. STRUCTURAL TESTS AND SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 17 OF THE IBC AS WELL AS ANY ADDITIONAL REQUIREMENTS OF THE BUILDING OFFICIAL. OMISSION FROM THE LIST BELOW OF TESTING AND INSPECTION REQUIREMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING TESTING AND INSPECTION REQUIRED BY THE SPECIFICATIONS, THE IBC AND THE BUILDING OFFICIAL.

11.3.3. TESTING AND SPECIAL INSPECTIONS SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 17 OF THE IBC FOR THE ITEMS LISTED IN THIS SECTION.

11.4. STRUCTURAL OBSERVATION

11.4.1. STRUCTURAL OBSERVATION SHALL BE PERFORMED DURING CONSTRUCTION IN A MANNER AS REQUIRED TO BECOME GENERALLY FAMILIAR WITH THE IN-PLACE CONSTRUCTION.

11.4.2. STRUCTURAL OBSERVATION EXTENT SHALL BE AS INDICATED ABOVE. TIMING AND DURATION OF OBSERVATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR DURING CONSTRUCTION.

11.4.3. CONSTRUCTION OBSERVATION REPORTS AND FINDINGS SHALL NOT BE VIEWED AS A WARRANTY OR GUARANTEE BY THE STRUCTURAL ENGINEER.

11.5. SPECIAL INSPECTOR: SHALL BE CURRENTLY WABO CERTIFIED AND UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER.

11.5.1. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.

11.5.2. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, ENGINEER OF RECORD, ARCHITECT OF RECORD, AND OTHER DESIGNATED PERSONS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR FOR CORRECTION, THEN, IF NOT IN CONFORMANCE, TO THE PROPER DESIGN AUTHORITY AND BUILDING OFFICIAL.

11.5.3. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE IBC.

12A. REQUIRED SPECIAL INSPECTIONS AND TEST OF SOILS

IBC TABLE 1705.6

	SPECIAL INSPECTION OR TEST TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	N/R	✓
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	N/R	✓
3.	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIAL	N/R	✓
4.	DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	✓	N/R
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	N/R	✓

12.

12.1. SPECIAL INSPECTIONS AND TESTS FOR EXISTING SITE SOIL CONDITIONS, FILL PLACEMENT, AND LOAD-BEARING REQUIREMENTS PER IBC 1705.6., AS NOTED IN TABLE 12A.

12.1.1. THE APPROVED GEOTECHNICAL REPORT AND THE CONSTRUCTION DOCUMENTS PREPARED BY THE REGISTERED DESIGN PROFESSIONALS SHALL BE USED TO DETERMINE COMPLIANCE.

13. REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

IBC TABLE 1705.3

		SPECIAL INSPECTION OR TEST TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD	IBC REFERENCE
1.		INSPECT REINFORCEMENT AND VERIFY PLACEMENT	N/R	✓	ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3	
2.		REINFORCING BAR WELDING:				
	A.	VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	N/R	✓	AWS D1.4 ACI 318:26.6.4	
	B.	INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	N/R	✓		
	C.	INSPECT ALL OTHER WELDS	✓	N/R		
3.		INSPECT ANCHORS CAST IN CONCRETE	N/R	✓	ACI 318: 17.8.2	
4.		INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS				
	A.	ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	✓	N/R	ACI 318: 17.8.2.4	
	B.	MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4A	N/R	✓	ACI 318: 17.8.2	
5.		VERIFY USE OF REQUIRED DESIGN MIX	N/R	✓	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2
6.		PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	✓	N/R	ASTM C 172 ASTM C 31 ACI318:26.4, 26.12	
7.		INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	✓	N/R	ACI 318: 26.5	
8.		VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	N/R	✓	ACI 318: 26.5.3-26.5.5	
9.		INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	N/R	✓	ACI 318: 26.11.1.2(b)	

13.

13.1. CONCRETE: SPECIAL INSPECTION AND TESTING PER IBC TABLE 1705.3 AS NOTED IN TABLE 13, INCLUDING:

13.1.1. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE SHALL BE AS DESCRIBED IN THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE (ICC, IAPMO, ETC.).

13.1.2. CONTINUOUS SPECIAL INSPECTION FOR CONCRETE REINFORCING BARS, CONCRETE MATERIALS OR PLACEMENT OF CONCRETE FOR COMPOSITE MEMBERS.

13.2. SPECIAL INSPECTIONS AND TESTS SHALL NOT BE REQUIRED FOR THE FOLLOWING:

13.2.1. NON-STRUCTURAL CONCRETE SLABS ON GRADE.

15.A REQUIRED SPECIAL INSPECTION AND TESTS OF STRUCTURAL STEEL CONSTRUCTION – INSPECTION OF WELDING

		SPECIAL INSPECTION OR TEST TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD
		AISC TABLE N5.4-1			
1.		PRIOR TO WELDING, VERIFY AND INSPECT THE FOLLOWING:	N/R	✓	
	A.	WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	✓	N/R	
	B.	WELDING PROCEDURE SPECIFICATIONS (WPS)	✓	N/R	
	C.	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES	✓	N/R	AISC 360 A3.5
	C.	MATERIAL IDENTIFICATION OF STRUCTURAL STEEL MEMBERS	N/R	✓	AISC 360 A3.1
	E.	WELDER IDENTIFICATION SYSTEM	N/R	✓	
	F.	FIT-UP OF GROOVE WELDS, INCLUDING JOINT GEOMETRY			
		1) JOINT PREPARATION	N/R	✓	
		2) DIMENSIONS: ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL	N/R	✓	
		3) CLEANLINESS: CONDITION OF STEEL SURFACES	N/R	✓	
		4) TACKING: TACK WELD QUALITY AND LOCATION	N/R	✓	
		5) BACKING TYPE AND FIT (IF APPLICABLE)	N/R	✓	
	G.	FIT-UP OF FILLET WELDS			
		1) DIMENSIONS: ALIGNMENT, GAPS AT ROOT	N/R	✓	
		2) CLEANLINESS: CONDITION OF STEEL SURFACES	N/R	✓	
		3) TACKING: TACK WELD QUALITY AND LOCATION	N/R	✓	
	H.	CHECK WELDING EQUIPMENT	N/R	✓	
		AISC 360 TABLE N5.4-2			
2.		DURING WELDING, VERIFY AND INSPECT THE FOLLOWING:			
	A.	USE OF QUALIFIED WELDERS	N/R	✓	
	B.	CONTROL AND HANDLING OF WELDING CONSUMABLES			
		1) PACKAGING	N/R	✓	
		2) EXPOSURE CONTROL	N/R	✓	
	C.	NO WELDING OVER CRACKED TACK WELDS	N/R	✓	
	D.	ENVIRONMENTAL CONDITIONS			
		1) WIND SPEED WITHIN LIMITS	N/R	✓	
		2) PRECIPITATION AND TEMPERATURE	N/R	✓	
	E.	WELDING PROCEDURE SPECIFICATIONS FOLLOWED			
		1) SETTINGS ON WELDING EQUIPMENT	N/R	✓	
		2) TRAVEL SPEED	N/R	✓	
		3) SELECTED WELDING MATERIALS	N/R	✓	
		4) SHIELDING GAS TYPE AND FLOW RATE	N/R	✓	
		5) PREHEAT APPLIED	N/R	✓	
		6) INTERPASS TEMPERATURE MAINTAINED	N/R	✓	
		7) PROPER POSITION	N/R	✓	
	F.	WELDING TECHNIQUES			
		1) INTERPASS AND FINAL CLEANING	N/R	✓	
		2) EACH PASS WITHIN PROFILE LIMITATIONS	N/R	✓	
		3) EACH PASS MEETS QUALITY REQUIREMENTS	N/R	✓	
	G.	PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	☐	N/R	
		AISC 360 TABLE N5.4-3			
3.		AFTER WELDING, VERIFY AND INSPECT THE FOLLOWING:			
	A.	WELDS CLEANED	N/R	✓	
	B.	SIZE, LENGTH, AND LOCATION OF WELDS	✓	N/R	
	C.	WELDS MEET VISUAL ACCEPTANCE CRITERIA			
		1) CRACK PROHIBITION	✓	N/R	
		2) WELD TO BASE METAL FUSION	✓	N/R	
		3) CRATER CROSS SECTION	✓	N/R	
		4) WELD PROFILES	✓	N/R	
		5) WELD SIZE	✓	N/R	
		6) UNDERCUT	✓	N/R	
		7) POROSITY	✓	N/R	
	D.	ARC STRIKES	✓	N/R	
	E.	k-AREA	✓	N/R	
	F.	BACKING REMOVED AND WELD TABS REMOVED, IF REQUIRED	✓	N/R	
	G.	REPAIR ACTIVITIES	✓	N/R	
	H.	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	✓	N/R	
	I.	NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD	N/R	✓	

15.

15.1. STRUCTURAL STEEL CONSTRUCTION:

SPECIAL INSPECTION AND NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS SHALL BE IN ACCORDANCE WITH THE QUALITY CONTROL AND QUALITY ASSURANCE REQUIREMENTS OF AISC 360, AS NOTED IN TABLES 15A, 15B, AND AWS D1.1, INCLUDING:

15.1.1. OBSERVATION OF WELDING OPERATIONS AND VISUAL INSPECTION OF IN-PROCESS AND COMPLETED WELDS SHALL BE AS FOLLOWS:

A. VERIFY THAT WELD FILLER MATERIAL AND MANUFACTURER'S CERTIFICATE OF COMPLIANCE CONFORM TO AWS SPECIFICATION SPECIFIED. VERIFY WELDERS ARE CERTIFIED BY WABO, THAT PROPER ELECTRODES IN OVEN DRY CONDITIONS ARE USED, AND THAT PROPER METHODS AND PREPARATIONS ARE USED.

B. PERIODIC SPECIAL INSPECTION OF WELDING SHALL BE PERFORMED FOR SINGLE PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16" AND FLOOR AND DECK WELDS.

C. ALL WELDS SHALL BE CHECKED VISUALLY.

D. ALL SHOP AND FIELD WELDING SHALL BE SUBJECT TO INSPECTION BY A WABO CERTIFIED WELDING INSPECTOR EMPLOYED BY THE OWNER. THE INSPECTOR SHALL UTILIZE RADIOGRAPHIC, ULTRASONIC, OR MAGNETIC PARTICLE TESTING AND ANY OTHER AID TO VISUAL INSPECTION THAT MAY BE DEEMED NECESSARY TO ASSURE THE ADEQUACY OF WELDING. THE OWNER SHALL CARRY OUT TESTING AND INTERPRETATION AT ANY STAGE AFTER WELDING.

E. ALL WELDS FOUND DEFECTIVE AND REPAIRED SHALL BE REINSPECTED BY THE SAME METHOD ORIGINALLY USED. THE COST OF REPAIR AND REINSPECTION SHALL BE BORNE BY THE CONTRACTOR.

F. STANDARDS FOR ACCEPTANCE SHALL BE AS GIVEN IN AWS D1.1.

15.1.2. EPOXY ANCHORS: SPECIFIC REQUIREMENTS FOR INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE OR MASONRY SHALL BE AS DESCRIBED IN THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE (ICC, IAPMO, ETC.).

15.1.3. EXPANSION ANCHORS: SPECIFIC REQUIREMENTS FOR INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE OR MASONRY SHALL BE AS DESCRIBED IN THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE (ICC, IAPMO, ETC.).

CAD NO.

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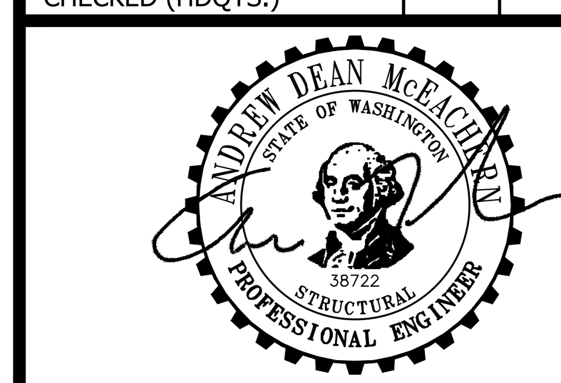

NOTICE:

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

TESTING AND INSPECTION NOTES

S010

SCALE AS SHOWN

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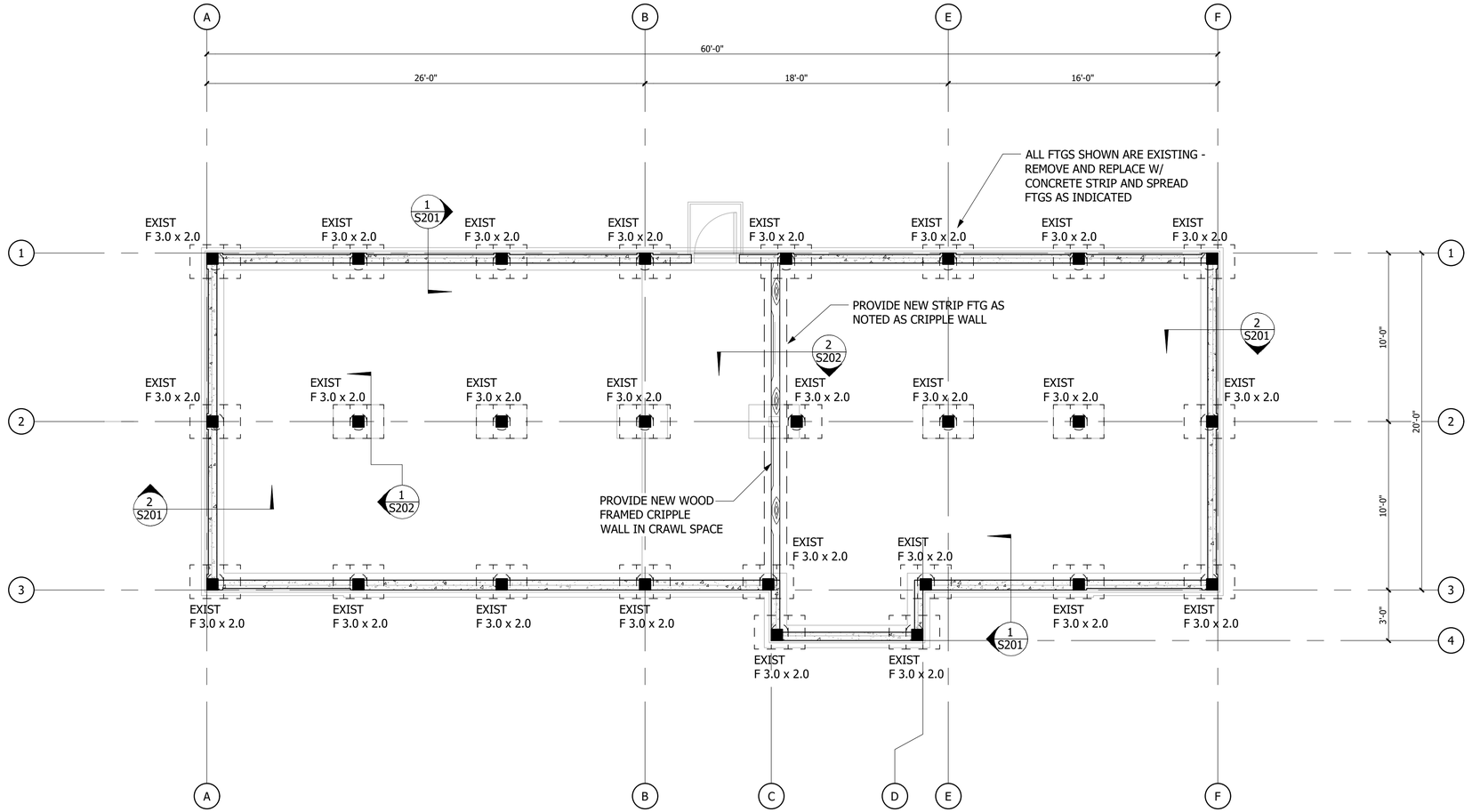

1 FOUNDATION PLAN

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SHEET 31 OF 54

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ANDREW DEAN McKACHAN — STATE OF WASHINGTON — 58702 — STRUCTURAL — PROFESSIONAL ENGINEER

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

FOUNDATION PLAN

S101

SCALE 1/4" = 1'-0"

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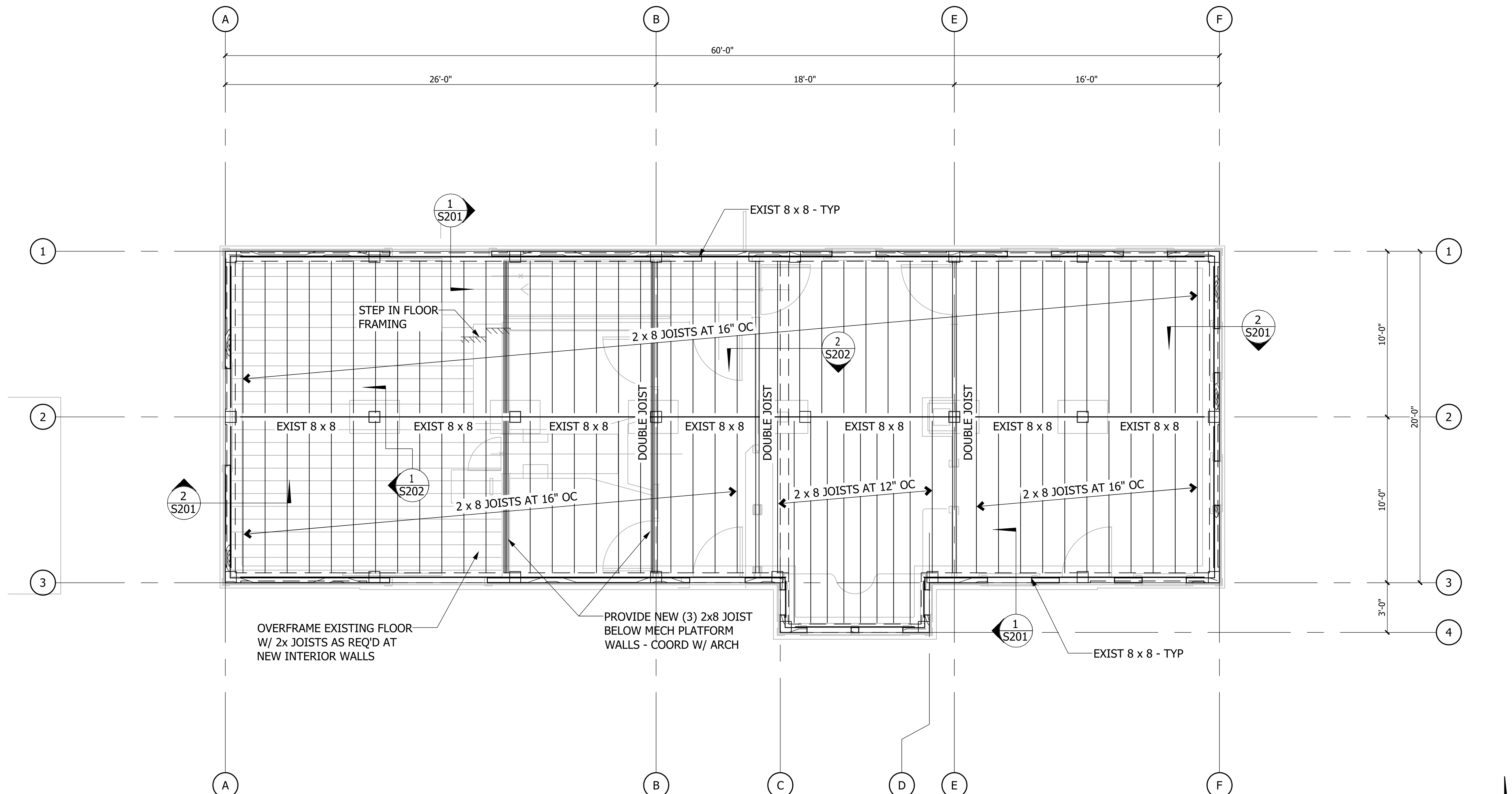
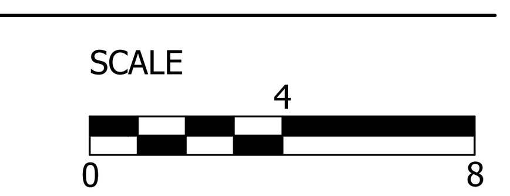


1 / - *FLOOR FRAMING PLAN*



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ANDREW DEAN McEACHERN
STATE OF WASHINGTON
38722
STRUCTURAL
PROFESSIONAL ENGINEER

NOTICE:

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

FLOOR FRAMING PLAN

S102

SCALE 1/4" = 1'-0"

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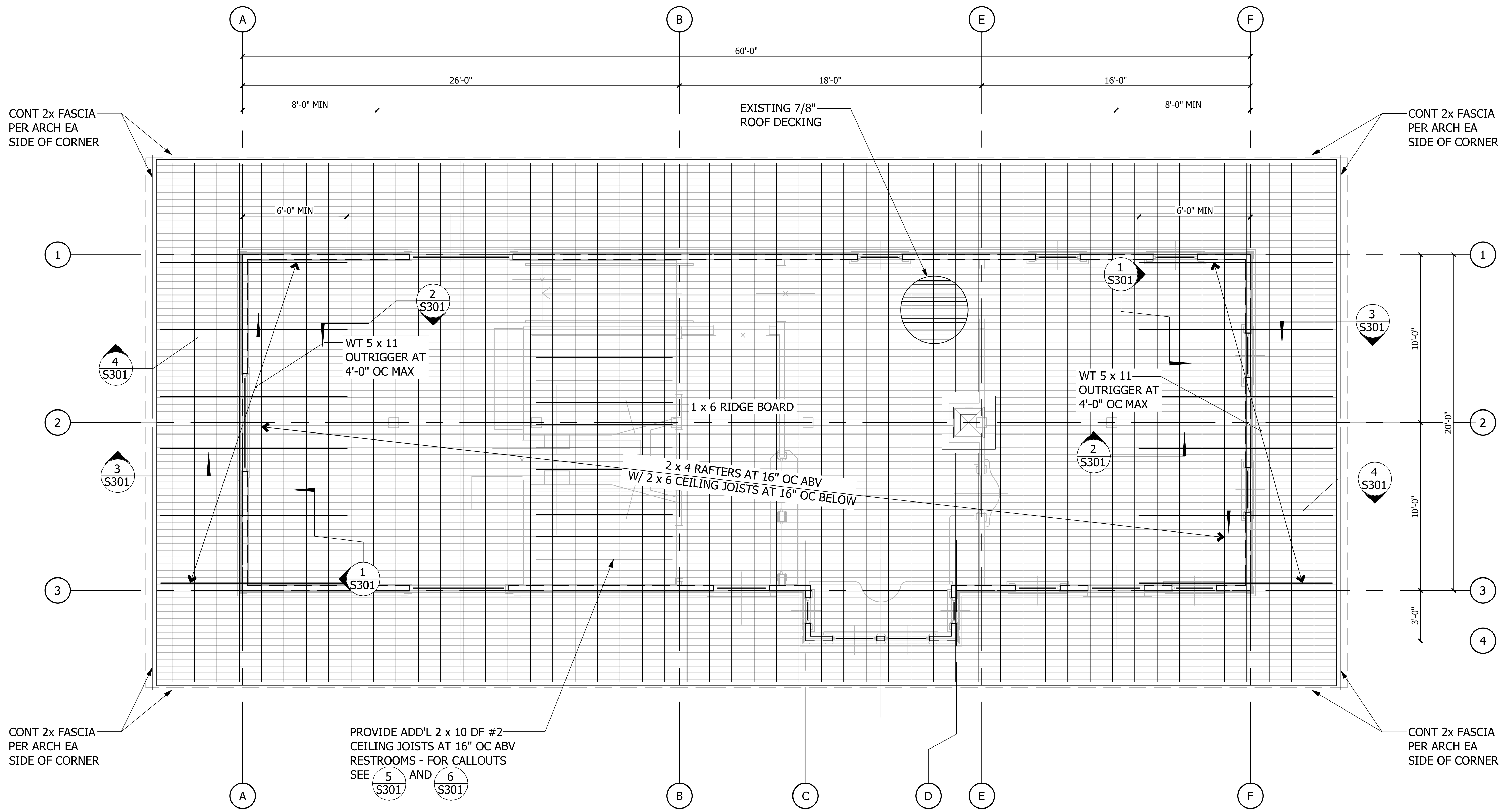

1 - ROOF FRAMING PLAN

SHEET 33 OF 54

CAD NO.

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ANDREW DEAN McEACHRAN — STATE OF WASHINGTON — 38722 — STRUCTURAL — PROFESSIONAL ENGINEER

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PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

ROOF FRAMING PLAN

S103

SCALE 1/4" = 1'-0"

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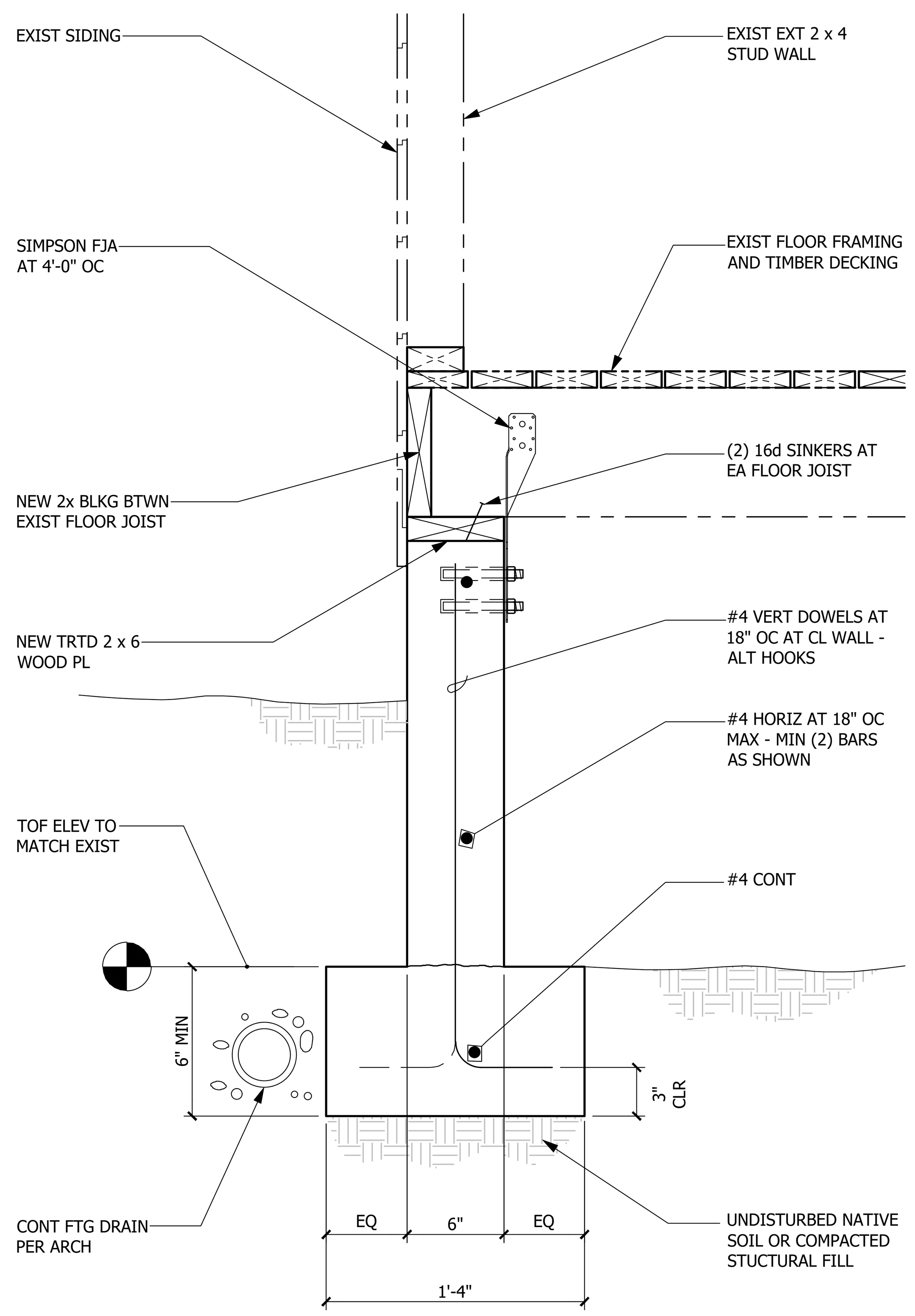

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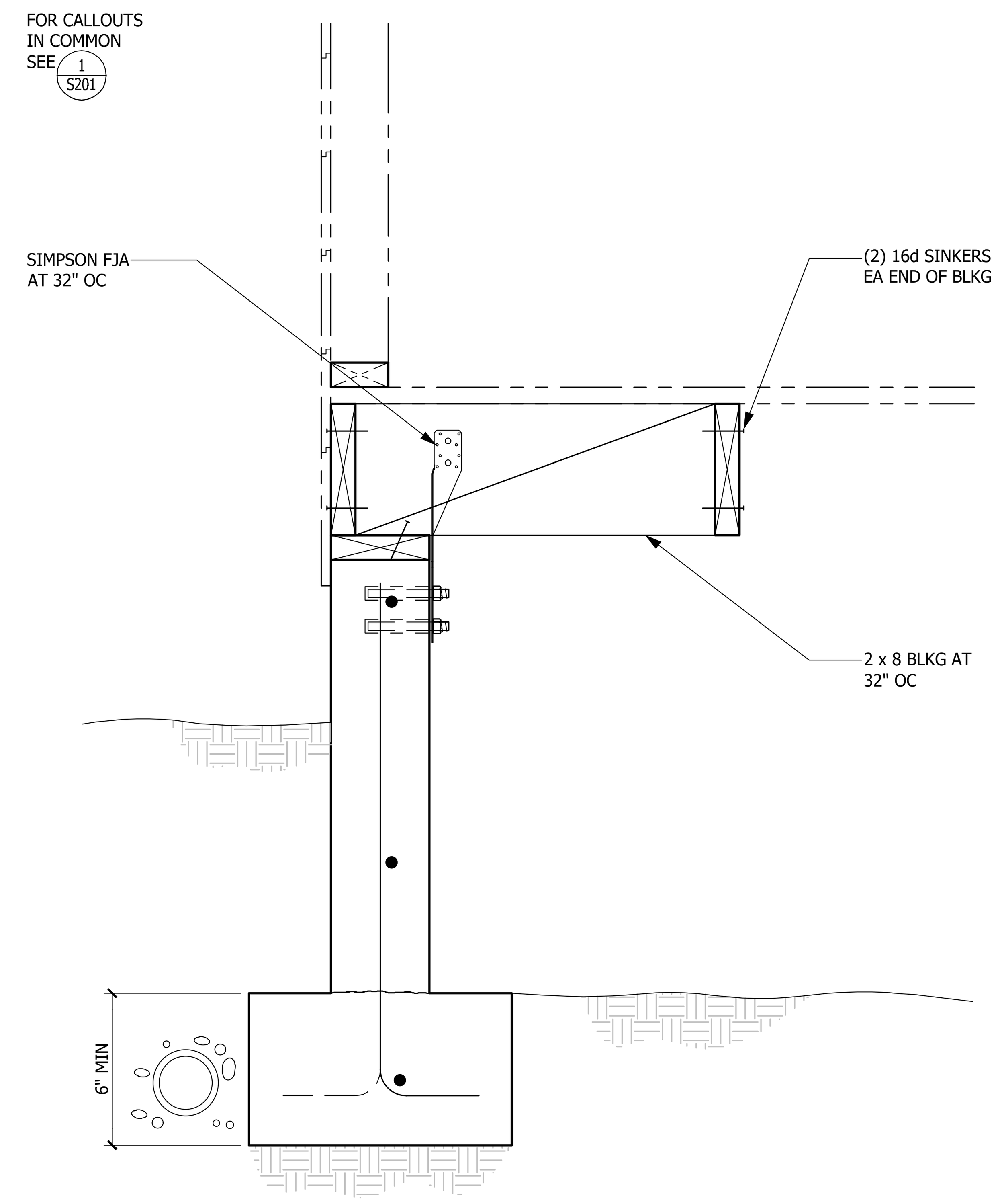
SECTION



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SHEET 34 OF 54

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ANDREW DEAN McEACHRAN
STATE OF WASHINGTON
38722
STRUCTURAL
PROFESSIONAL ENGINEER

NOTICE:

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WASHINGTON
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RECREATION
COMMISSION

WASHINGTON STATE PARKS

KITTITAS DEPOT
HISTORIC
PRESERVATION

FOUNDATION
DETAILS

S201

SCALE
1" = 1'-0"

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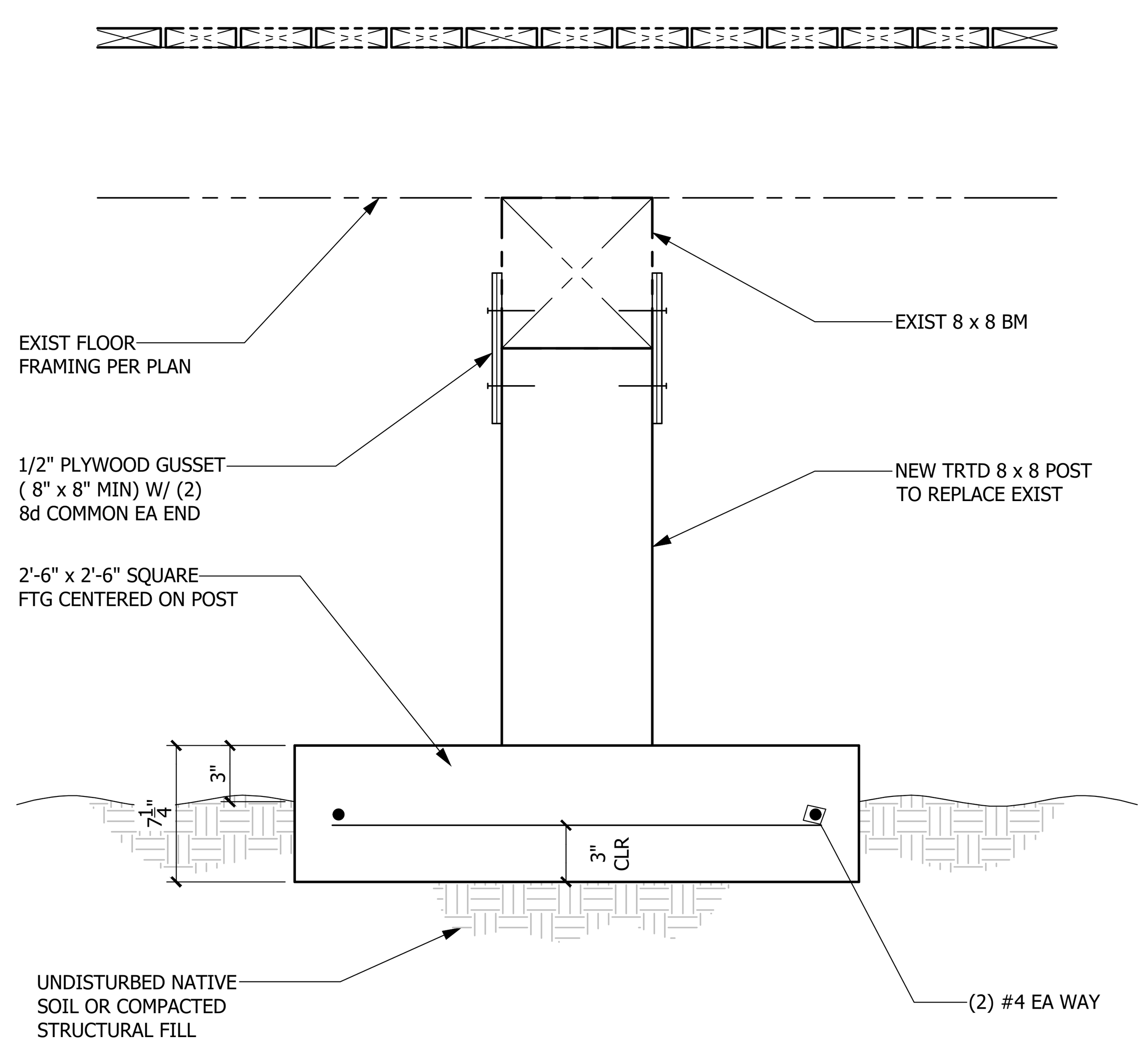
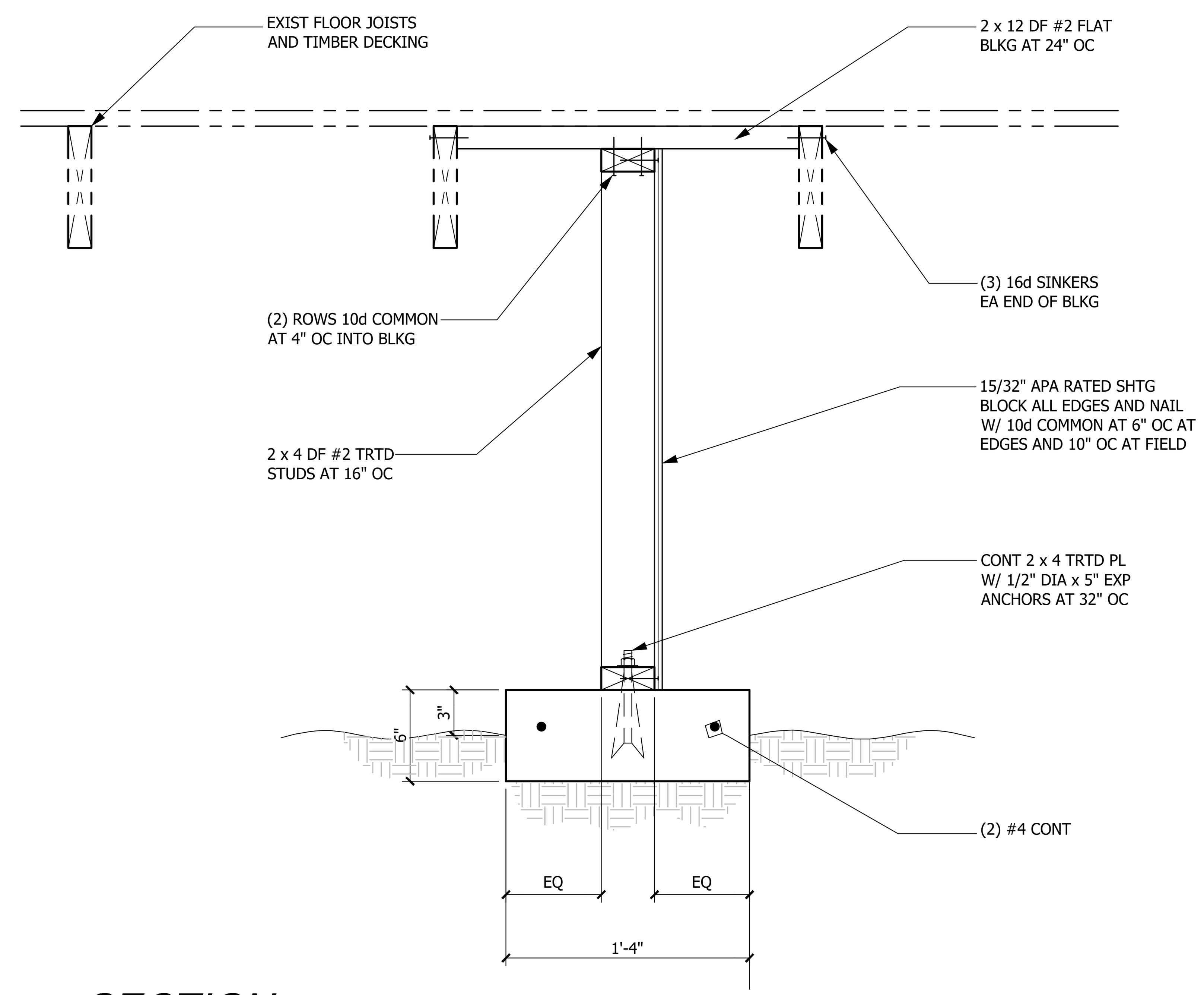


1 - SECTION



2 - SECTION

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ANDREW DEAN McEACHERN, STATE OF WASHINGTON, 38722, STRUCTURAL, PROFESSIONAL ENGINEER

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

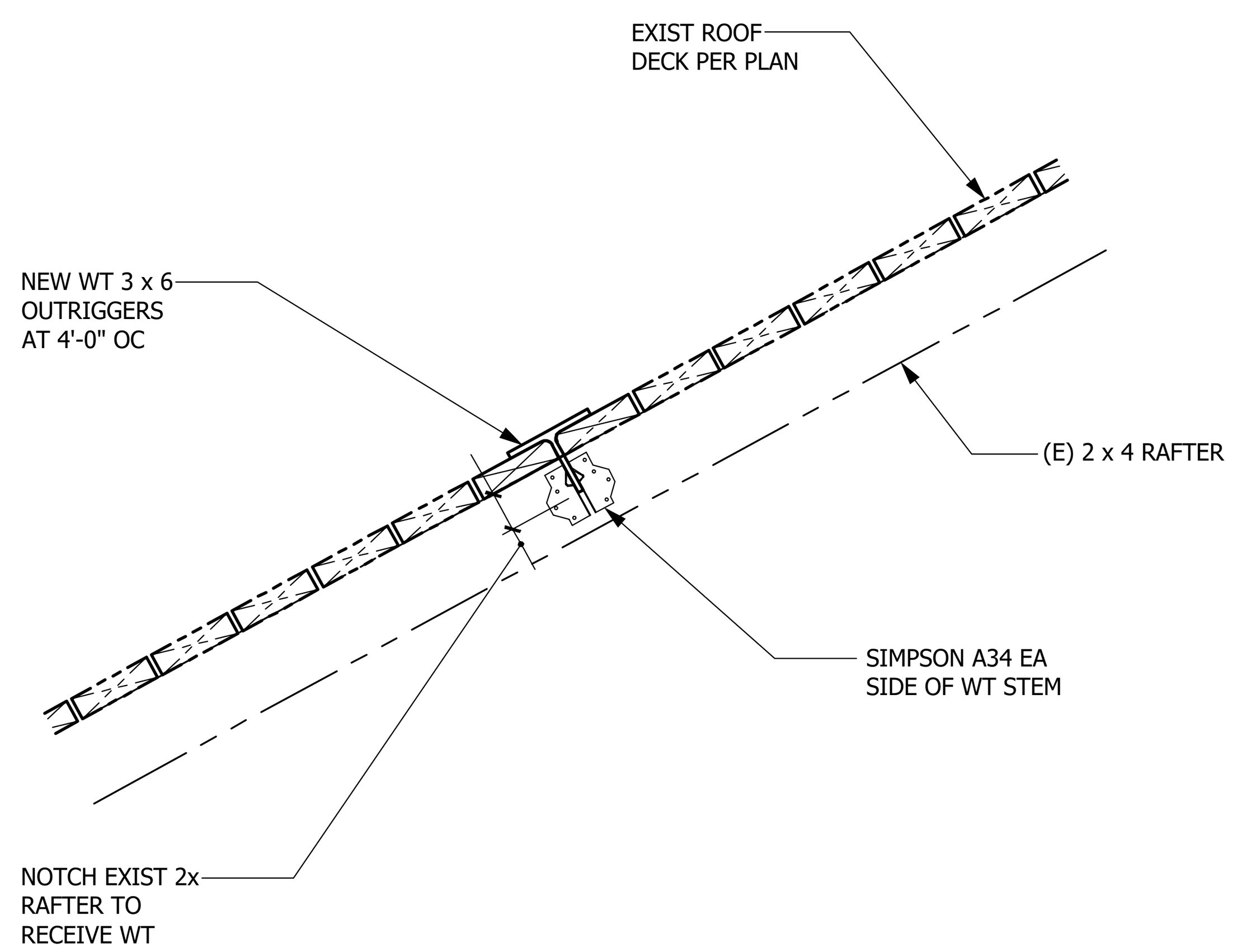
KITTITAS DEPOT HISTORIC PRESERVATION

FOUNDATION DETAILS

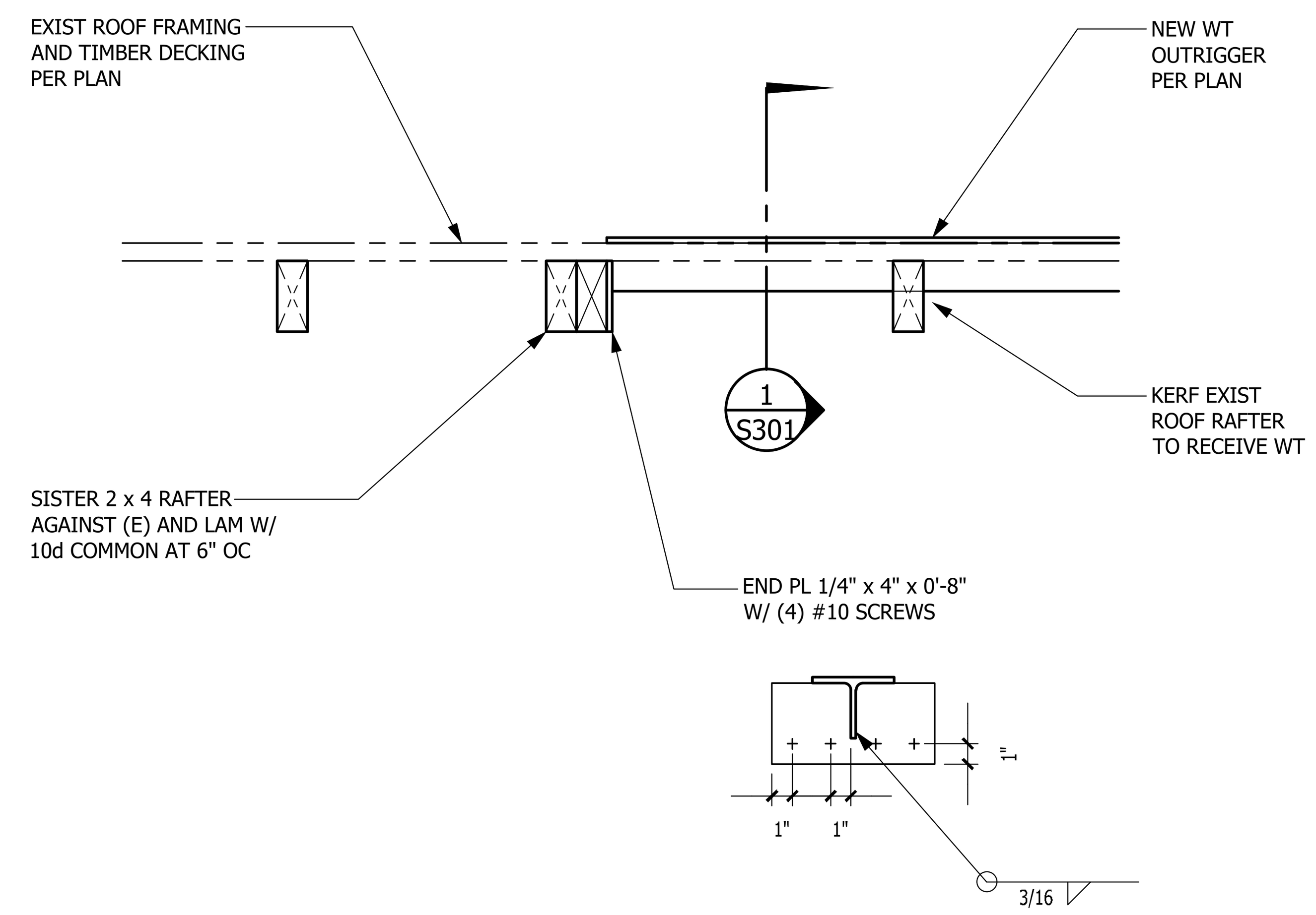
S202

SCALE 1" = 1'-0"

PARK FILE# I500-6619-2024



1 - SECTION



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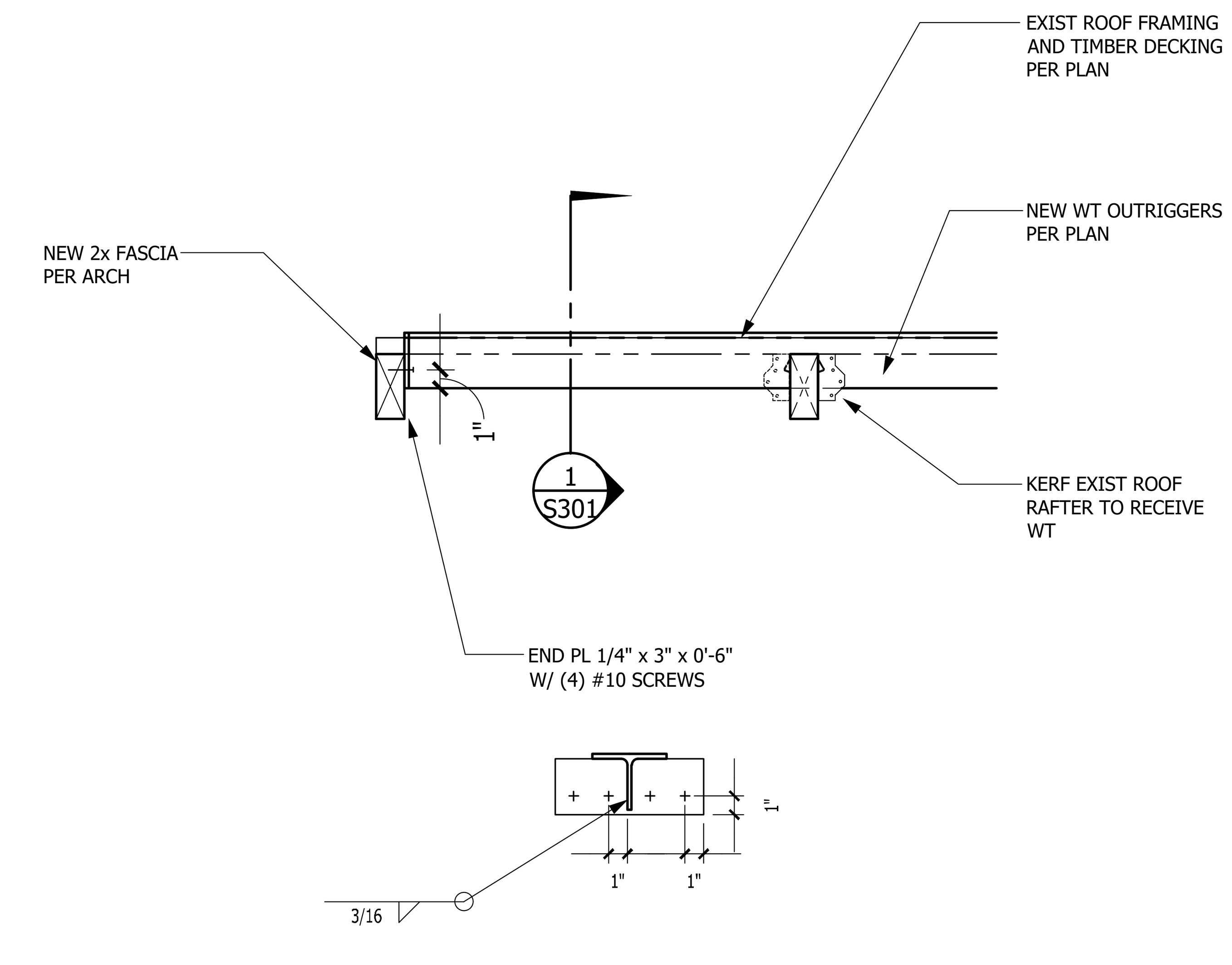

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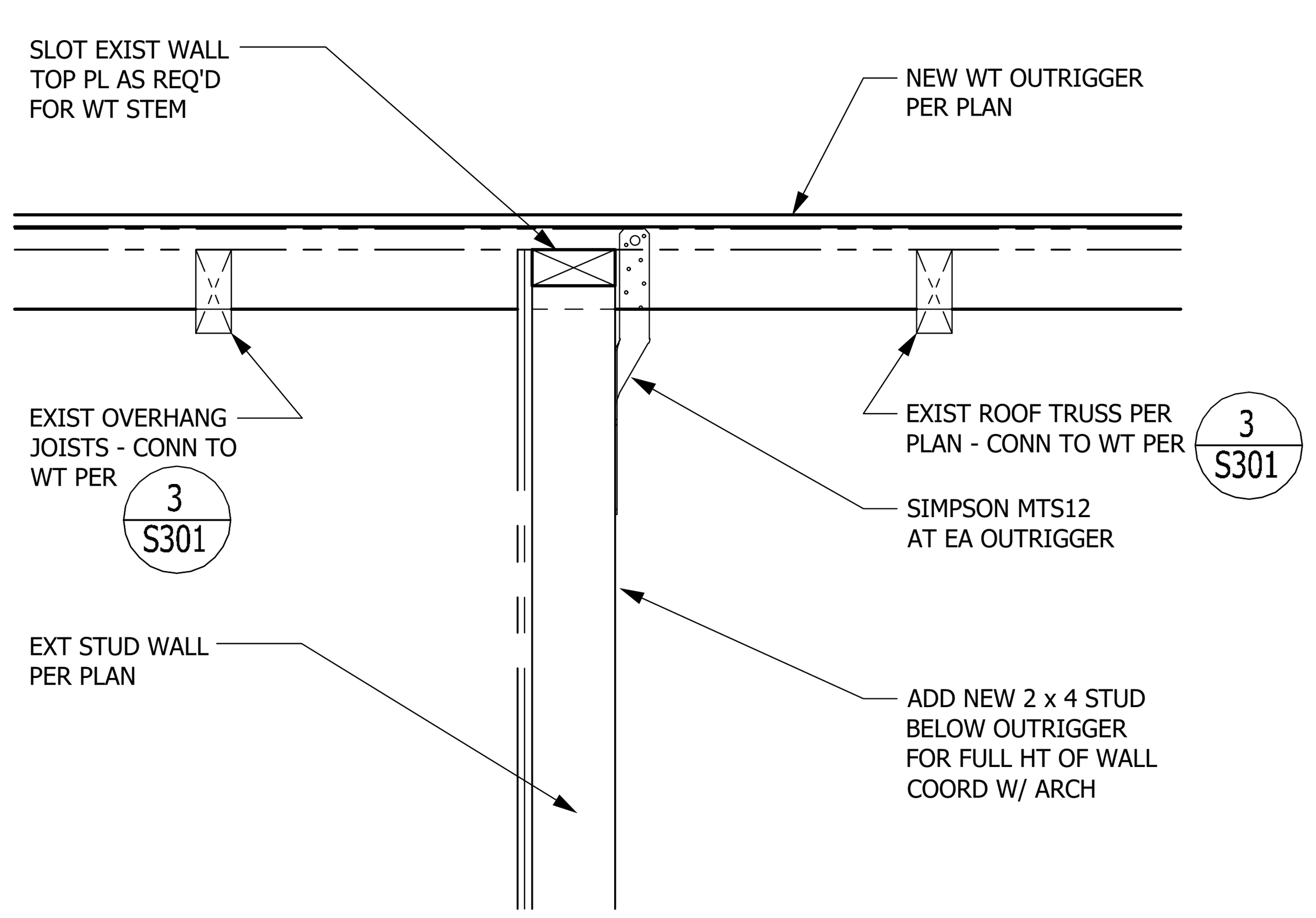

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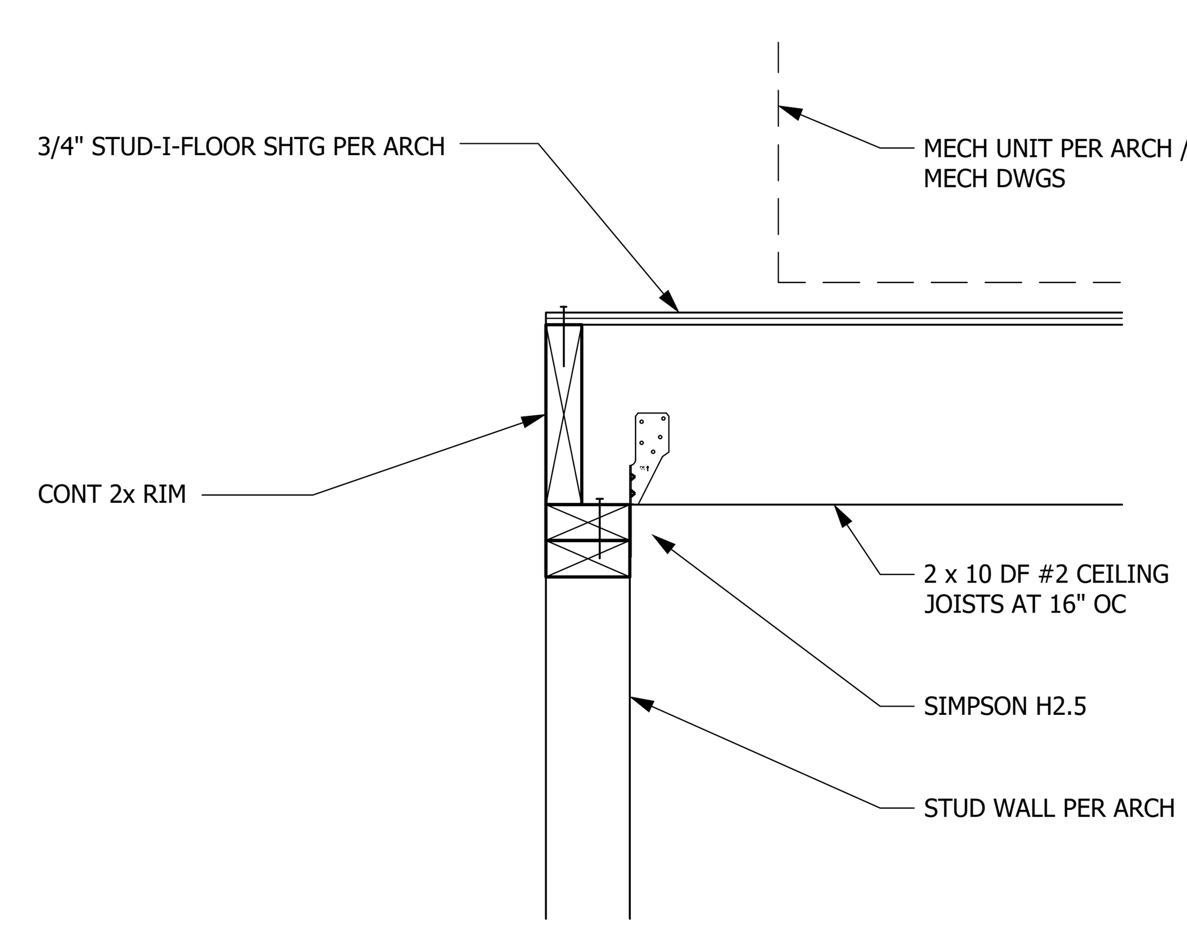
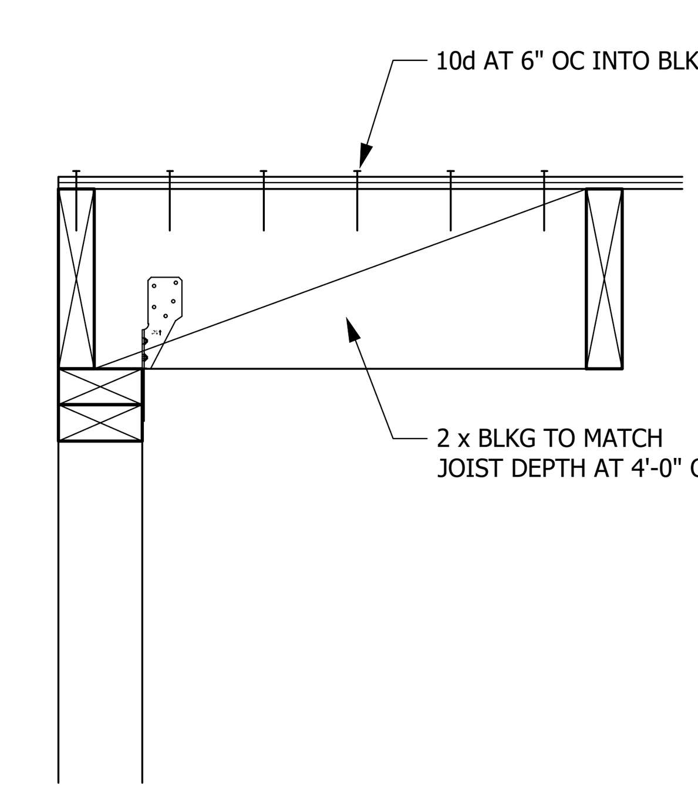


5 - SECTION

FOR CALLOUTS IN COMMON SEE 5 S301



6 - SECTION

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NOTICE:

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

ROOF FRAMING DETAILS

S301

SCALE 1" = 1'-0"

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DATE: August 9, 2024 FILENAME: Q:\2023\2230784\20_STR\CAD\2230784S-300.dwg

GENERAL DEMOLITION NOTES

1. DEMOLITION DRAWINGS ARE INTENDED TO ONLY GIVE A GENERAL REPRESENTATION OF THE DEMOLITION INVOLVED, AND DO NOT CONSTITUTE A FULL LISTING OF ALL ITEMS REQUIRING REMOVAL. VERIFY W/ OWNER EXTENT OF UNUSED ITEMS IN ATTIC TO BE DEMO'D.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW SITE CONDITIONS AND TO IDENTIFY ALL DEMOLITION WORK, AND INCLUDE IN HIS BID ALL COSTS FOR DEMOLITION & DISPOSAL.
3. SEE GENERAL NOTES, DRAWING NOTES & KEYED NOTES WHICH COVER OTHER MISCELLANEOUS MECHANICAL ITEMS TO BE REMOVED.
4. ALL EXISTING ITEMS NOT BEING REUSED SHALL BE REMOVED. THIS INCLUDES SUCH ITEMS AS THERMOSTATS, CONTROL DEVICES, PIPING, SUPPORTS, VALVES AND RELATED ACCESSORIES.
5. REFERENCE ARCHITECTURAL DRAWINGS FOR WHERE CEILING/WALL AND OTHER GENERAL DEMOLITION WORK IS BEING DONE.
6. VERIFY SIZE & LOCATION OF ALL EXISTING ITEMS SHOWN TO BE DEMO'D. LOCATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON MODERATE FIELD VERIFICATION.

GENERAL NOTES

1. DRAWINGS AND SPECIFICATIONS: DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY AND WHAT IS CALLED FOR IN EITHER IS BINDING AS IF CALLED FOR IN BOTH. THE DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL ARRANGEMENT OF THE CONSTRUCTION AND THEREFORE DO NOT SHOW ALL OFFSETS, FITTINGS AND ACCESSORIES WHICH ARE REQUIRED TO FORM A COMPLETE AND OPERATING INSTALLATION. MECHANICAL WORK IS SHOWN ON MULTIPLE DRAWINGS AND IS NOT LIMITED TO A PARTICULAR SET OF SHEETS, OR SHEETS PREFACED WITH A PARTICULAR LETTER.
2. CONTRACTOR SHALL CAREFULLY COORDINATE WORK W/ ALL OTHER TRADES, ESPECIALLY WHERE SPACE IS TIGHT. SHEET METAL CONTRACTOR SHALL HAVE PRIORITY OVER OTHER MECHANICAL TRADES IN CEILING SPACE WHERE CONFLICTS OCCUR.
3. ALL DUCTWORK SHOWN IS SCHEMATIC, CONTRACTOR SHALL PROVIDE ALL OFFSETS/ELBOWS AS REQ'D TO ALLOW ROUTING AROUND STRUCTURE, ELECTRICAL, & OTHER INTERFERENCES.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE & SELECT FINAL LOCATIONS OF ALL AIR INLETS/OUTLETS. SHIFT AIR INLETS/ OUTLETS FROM LOCATIONS SHOWN AS REQ'D TO AVOID CONFLICTS W/ STRUCTURE, LIGHTS, & OTHER ITEMS. SUCH SHIFTS SHALL MAINTAIN SYMMETRY OF AIR TERMINALS & SHALL HAVE PRIOR APPROVAL OF ARCHITECT/ENGINEER.
5. MECHANICAL EQUIPMENT 1/2 HP AND LESS SHALL HAVE ANY REQUIRED STARTER/CONTROL RELAY PROVIDED BY THE CONTROL CONTRACTOR (EXCEPT WHERE SPECIFICALLY SHOWN OR SPECIFIED OTHERWISE).
6. WHERE RETURN GRILLE CFM'S ARE NOT INDICATED, BALANCER SHALL CALCULATE & SUBMIT FOR ENGINEER REVIEW. RA = SA-OA.
7. DRAWINGS SCALES APPLY TO FULL SIZE SHEET ONLY. USE CAUTION IN OBTAINING DIMENSIONS AND QUANTITIES FROM DRAWINGS THAT ARE NOT FULL SIZE; USE DIMENSIONS CALCULATED FROM DIMENSIONS ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS OVER OTHER METHODS OF OBTAINING DIMENSIONS.
8. VERIFY ALL POWER REQUIREMENTS & STARTERS, DISCONNECTS, RELAYS & LOCATIONS (& WHO PROVIDES) W/ EC.
9. PROVIDE MOTORIZED DAMPERS ON EXHAUST OUTLETS & OA INTAKES AS REQUIRED BY CODE.
10. PROVIDE ALL CUTTING/PATCHING TO INSTALL ITEMS AS SHOWN. PATCH TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
11. SEISMICALLY ANCHOR ALL UNITS & EQUIPMENT TO BUILDING.
12. PROVIDE FLEX CONNECTORS IN DUCT CONNECTIONS TO EQUIPMENT.
13. PROVIDE TRANSITIONS FROM DUCT SIZES INDICATED TO CONNECTION SIZES AT EQUIPMENT TO MATCH UNIT CONNECTIONS. WHERE THE CONNECTING DUCT IS LINED, THE TRANSITION SHALL BE LINED.
14. PROVIDE PRIMARY CONDENSATE DRAINS FOR ALL COOLING COILS.
15. BALANCING: BALANCING SHALL BE IN ACCORDANCE W/ IMC, SEE SPECIFICATIONS AND PLAN SHEETS FOR ADDITIONAL REQUIREMENTS.

LIST OF DRAWINGS

M001	MECHANICAL LEGEND AND NOTES
M002	ENERGY CODE NOTES
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M403	HVAC DETAILS

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	VENT (V)
	COLD WATER (CW)
C	CONDENSATE LINE (C)
RG	REFRIGERANT GAS (RG)
RL	REFRIGERANT LIQUID (RL)
	ISOLATION VALVE
	FLOOR CLEANOUT
	FLOOR DRAIN
	PIPE UP
	PIPE DOWN
	PIPE TEE IN LINE, BRANCH PIPE DOWN
20/12	DUCT (FIRST FIGURE, SIDE SHOWN)
R (D)	RISE (R) OR DROP (D) ARROW IN DIRECTION OF FLOW
	DUCT SECTION (SUPPLY)
	DUCT SECTION (EXHAUST OR RETURN)
⌀	ROUND DUCT
	VOLUME DAMPER (MANUAL)
M	MOTORIZED DAMPER
	FLEXIBLE CONNECTION
	FLEXIBLE DUCT
	ELBOW WITH TURNING VANES
	DUCT UP (RECTANGULAR)
	DUCT UP (RECTANGULAR)
	DUCT DOWN (RECTANGULAR)
	DUCT DOWN (RECTANGULAR)
	DUCT UP (ROUND)
	DUCT DOWN (ROUND)
SIZE,SYMBOL CFM	CEILING OUTLET
SIZE,SYMBOL CFM	CEILING INLET
T G	THERMOSTAT G= WITH GUARD
2 / M3.1	DETAIL IDENTIFICATION NUMBER SHEET ON WHICH DETAIL IS SHOWN
A / M3.1	SECTION IDENTIFICATION LETTER SHEET ON WHICH SECTION IS SHOWN

SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
AUTO	AUTOMATIC
BDD	BACKDRAFT DAMPER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT/HOUR
BLDG	BUILDING
CAP	CAPACITY
CLG	CEILING
CO	CLEANOUT
COP	COEFFICIENT OF PERFORMANCE
COMP	COMPRESSOR
CONN	CONNECTION
CONT	CONTINUE, CONTINUATION
CFM	CUBIC FEET PER MINUTE
DEG F, F	DEGREE FAHRENHEIT
DIA, Ø	DIAMETER
DOAS	DEDICATED OUTSIDE AIR SYSTEM
DN	DOWN
DWG	DRAWING
DB	DRY BULB
EA	EACH
EFF	EFFICIENCY
ECM	ELECTRONICALLY COMMUTATED MOTOR
ELEC	ELECTRICAL, ELECTRIC
EER	ENERGY EFFICIENCY RATIO
EAT	ENTERING AIR TEMPERATURE
EWB	ENTERING WET BULB
EDB	ENTERING DRY BULB
EOL	END OF LINING
EXH	EXHAUST
EXIST, (E)	EXISTING
ESP	EXTERNAL STATIC PRESSURE
F	FIRE
FPM	FEET PER MINUTE
FLEX	FLEXIBLE
FCO	FLOOR CLEAN OUT
FLA	FULL LOAD AMPS
FV	FLUSH VALVE
GALV.	GALVANIZED
HP	HORSE POWER
IN	INCH
I.E.	INVERT ELEVATION
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB
LWT	LEAVING WATER TEMPERATURE
LWB	LEAVING WET BULB
MAX	MAXIMUM
MFR	MANUFACTURER
MBH	THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPS
MECH	MECHANICAL
MIN	MINIMUM
MUA	MAKE UP AIR
NO.	NUMBER
NTS	NOT TO SCALE
OBD	OPPOSED BLADE DAMPER
OA	OUTSIDE AIR
PH	PHASE
P.D.I.	PLUMBING AND DRAINAGE INSTITUTE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PD	PRESSURE DROP
R	RETURN
RL	REFRIGERANT LIQUID
RG	REFRIGERANT GAS
RLA	RATED LOAD AMPS
REF	REFERENCE
REQ'D	REQUIRED
RA	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
RM	ROOM
S	SUPPLY
SA	SUPPLY AIR
S.O.	SCREENED OPENING
SS	STAINLESS STEEL
TEMP	TEMPERATURE
TD	TRANSFER DUCT
TG	TRANSFER GRILLE
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
V	VOLTS, VOLTAGE, VENT
VG	VENTILATION GRILLE
W	WASTE
WA	WATT
WB	WET BULB
W/	WITH
WSEC	WASHINGTON STATE ENERGY CODE

SHEET 37 OF 54

CAD NO.

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RICHARD A. INLETT — STATE OF WASHINGTON — 1979 — REGISTERED PROFESSIONAL ENGINEER

SIGNED
08/09/2024
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

MECHANICAL LEGEND & NOTES

M001

SCALE
AS SHOWN

PARKS FILE#

ENERGY CODE NOTES

PERFORMANCE, CRITERIA & SYSTEM DESIGN

1. LOAD CALCULATIONS HAVE BEEN PERFORMED IN ACCORDANCE WITH WSEC.
2. EQUIPMENT CAPACITIES ARE NO GREATER THAN THE SMALLEST AVAILABLE SIZE THAT EXCEEDS THE CALCULATED LOADS.
3. OUTPUT CAPACITIES OF HEATING AND COOLING EQUIPMENT AND SYSTEMS ARE NO GREATER THAN THE SMALLEST AVAILABLE EQUIPMENT SIZE THAT EXCEEDS THE CALCULATED LOADS.
4. ELECTRIC MOTOR EFFICIENCY: ALL ELECTRIC MOTORS SHALL MEET THE MINIMUM EFFICIENCY REQUIREMENTS OF WSEC.

FANS AND FAN CONTROL

5. ELECTRIC MOTOR EFFICIENCY: ALL ELECTRIC MOTORS SHALL MEET THE MINIMUM EFFICIENCY REQUIREMENTS OF WSEC.
6. FAN AIRFLOW CONTROL: DX UNITS 42 MBH AND GREATER AND CHILLED WATER UNITS WITH FANS 1/4 HP AND GREATER SHALL VARY THE FAN AIRFLOW AS A FUNCTION OF THE LOAD BASED ON SPACE TEMPERATURE WITH NO LESS THAN 2 FAN STAGES. LOW SPEED SHALL NOT BE GREATER THAN 66% OF FULL SPEEED. UNITS WITH ECONOMIZERS SHALL HAVE NO FEWER THAN TWO SPEEDS OF FAN CONTROL DURING ECONOMIZER OPERATION.

VENTILATION, EXHAUST & ENERGY RECOVERY

7. MECHANICAL VENTILATION AIR SYSTEMS SHALL BE CONFIGURED TO PROVIDE NOT MORE THAN 150%, BUT AT LEAST THE MINIMUM REQUIRED VOLUME OF OUTDOOR AIR TO EACH ZONE PER IMC. SEE MECHANICAL EQUIPMENT SCHEDULES FOR MINIMUM OUTSIDE AIR VALUES.
8. EXHAUST SYSTEMS ARE CONFIGURED TO PROVIDE NO MORE THAN 150% OF CODE MINIMUM.
9. VENTILATION AIR HEATING CONTROL: UNITS PROVIDING VENTILATION AIR TO MULTIPLE ZONES WITH SEPARATE ZONE HEATING/COOLING SHALL NOT HEAT THE VENTILATION AIR (VIA ADDED HEAT OR HEAT RECOVERY) TO A TEMPERATURE GREATER THAN 60 DEG F WHEN THE BUILDING LOADS OR OUTSIDE AIR TEMPERATURE INDICATE THAT THE MAJORITY OF THE ZONES ARE IN COOLING.
10. SHUTOFF DAMPERS FOR BUILDING ISOLATION: PROVIDE ALL OUTSIDE AIR, EXHAUST AIR, AND RELIEF AIR OPENINGS WITH CLASS 1 (MAX LEAKAGE OF 4 CFM/SF AT 1.0" W.C.) MOTORIZED DAMPERS.
11. SHUTOFF DAMPERS FOR RETURN AIR: PROVIDE RETURN AIR OPENINGS WITH CLASS 1 MOTORIZED DAMPER WHERE USED FOR AIRSIDE ECONOMIZER. WHERE INSTALLED IN UNITARY PACKAGED EQUIPMENT DAMPER, PROVIDE DAMPERS WITH LOWEST LEAKAGE RATE AVAILABLE FROM THE EQUIPMENT MANUFACTURER.
12. DAMPER ACTUATION: OUTSIDE AIR INTAKE, RELIEF AND EXHAUST DAMPERS SHALL AUTOMATICALLY CLOSE WHEN SYSTEM OR SPACES SERVED ARE NOT IN USE OR DURING WARM-UP AND SET BACK.

HVAC SYSTEM CONTROLS

13. DEADBAND: THERMOSTATIC CONTROLS SHALL BE CONFIGURED WITH 5°F MINIMUM DEADBAND FOR SYSTEMS THAT CONTROL BOTH HEATING AND COOLING.
14. SETPOINT OVERLAP RESTRICTION: WHERE SEPARATE HEATING AND COOLING SYSTEMS WITH SEPARATE THERMOSTATIC CONTROL DEVICES SERVE A ZONE, PROVIDE A LIMIT SWITCH, MECHANICAL STOP, OR DDC CONTROL TO PREVENT SIMULTANEOUS HEATING AND COOLING.
15. HVAC SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC CONTROLS CAPABLE OF STARTING AND STOPPING THE SYSTEM FOR SEVEN DIFFERENT DAILY SCHEDULES, AND SHALL HAVE MANUAL OVERRIDE CONFIGURED TO OPERATE THE SYSTEM FOR 2 HOURS.
16. AUTOMATIC START CONTROLS SHALL BE PROVIDED FOR EACH HVAC SYSTEM, AND BE CAPABLE OF AUTOMATICALLY ADJUSTING DAILY START TIME IN ORDER TO BRING EACH SPACE TO THE DESIRED OCCUPIED TEMPERATURE IMMEDIATELY PRIOR TO SCHEDULED OCCUPANCY.

DUCTING SYSTEMS

17. DUCTWORK SHALL BE CONSTRUCTED AND SEALED PER IMC. OUTSIDE AIR DUCTWORK SHALL MEET AIR LEAKAGE REQUIREMENTS OF WSEC AND VAPOR RETARDER REQUIREMENTS OF THE IBC.
18. ALL DUCTWORK SHOWN IS LOW PRESSURE DUCT, OPERATING AT STATIC PRESSURE LESS THAN OR EQUAL TO 3 INCHES WATER GAUGE (W.G.).
19. MINIMUM DUCT INSULATION PER WSEC IS AS FOLLOWS:

SERVICE	INSULATION LEVEL
OUTSIDE AIR DUCTS, SHAFTS, AND PLENUMS 2800 CFM OR GREATER, UPSTREAM OF AUTO SHUTOFF DAMPER	R-16
OUTSIDE AIR DUCTS, SHAFTS, AND PLENUMS 2800 CFM OR GREATER, DOWNSTREAM OF AUTO SHUTOFF DAMPER	R-8
OUTSIDE AIR DUCT SERVING INDIVIDUAL SUPPLY UNIT WITH LESS THAN 2,800 CFM OF SUPPLY AIR	R-7
SUPPLY & RETURN DUCTS IN UNCONDITIONED SPACES	R-6
SUPPLY DUCTS WITHIN CONDITIONED SPACE WHERE SUPPLY AIR IS < 55 DEG F. OR > 105 DEG F.	R-3.3
EXPOSED DUCTWORK WITHIN A ZONE THAT SERVES THAT ZONE	NO INSULATION REQUIRED
EXHAUST & RELIEF DUCTS DOWNSTREAM OF AUTO SHUTOFF DAMPER	R-16

PIPING SYSTEMS

20. MINIMUM PIPE INSULATION PER WSEC IS AS FOLLOWS:

FLUID OPERATING TEMPERATURE	INSULATION THICKNESS (NOMINAL PIPE SIZE) <1	1 TO <1-1/2	1-1/2 TO < 4	4 TO < 8	OVER 8
141-200	1.5	1.5	2.0	2.0	2.0
105-140	1.0	1.0	1.5	1.5	1.5
40-60	0.5	0.5	1.0	1.0	1.0
<40	0.5	1.0	1.0	1.0	1.5

DEDICATED OUTDOOR AIR UNIT

21. PER WSEC DOAS UNIT SHALL NOT USE HEATING OR HEAT RECOVERY TO WARM SUPPLY AIR TO A TEMPERATURE ABOVE 60 DEG F, WHEN MAJORITY OF BUILDING ZONES REQUIRE COOLING.

PROJECT CLOSE OUT DOCUMENTATION

22. DOCUMENTATION SUBMITTAL REQUIREMENTS: SUBMIT ALL CLOSEOUT DOCUMENTATION INCLUDING AS-BUILTS AND O&M'S TO OWNER WITHIN 180 DAYS OF RECEIPT OF CERTIFICATE OF OCCUPANCY.
23. THESE "ENERGY CODE NOTES" ARE LISTED TO SATISFY THE BUILDING DEPARTMENT'S REQUIREMENT THAT CERTAIN INFORMATION BE PLACED ON THE PLANS, BUT DO NOT DIMINISH THE FULL PROJECT REQUIREMENTS. PROVIDE ITEMS IN EXCESS OF CODE WHERE NOTED ON DRAWINGS AND IN SPECIFICATIONS. FOR OTHER ADDED REQUIREMENTS, SEE SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

ITEM	SECTION#
AS-BUILT DOCUMENTS	20 05 00
O&M MANUALS	20 05 00
PIPING & DUCT INSULATION	20 07 00
DUCTWORK SEALING & TESTING	23 31 00
CONTROLS	23 09 33 & 23 09 93

OA VENTILATION CALCULATION

PER IMC 2018 (Ev Simplified Procedure Per State Amendment)

Project: **KITTITAS DEPOT**
No: **23-202**
Date: 5/30/24
Calc By: JC

= Manually entered, from **Code**
= Manually entered, from **plans**
= Calculated

Az= zone area
sf= square feet
Rp= OA per person*
P/1000 sf= People density
Pz= zone population
Ps= actual concurrent pop

Ra= OA per sf of area
Vbz= breathing zone OA
= Rp*P/1000 + Ra*Az
= *OA before corrections*
Ez= air distrib effectiveness
(see IMC 403.3.1.1.1.2)
Voz= zone OA = Vbz/Ez
Vpz= zone supply air (SA)

Ev= ventilation efficiency
(accounts for diff OA per zone)
Ev = 1.0 for single zone systems
*Ev = 0.88*D + .22 where D<.60*
Ev = 0.75 where D>.59
Zp= zone OA fraction
=Voz/Vpz

Vot= unit total OA
=*Voz for single zone units*
=*Vou/Ev for multiple zones*
Vou= Uncorrected OA (OA w/ diversity)
Vou= D*sum(Rp*Pz)+sum(Ra*Az)
D= occupant diversity = Ps/sum Pz
Vpz-min= Minimum primary air flow (SA) to zone
= *1.5 X Voz for zone*

OUTSIDE AIR:

HVAC Unit	Zone #	Name	Occup Category	Az (sf)	People OA Rp	P/1000 sf	Pz	Rp*Pz	Area OA Ra	Ra*Az	Vbz (OA)	Ez	Voz (cfm)	Vpz	Ev	D	D x sum(Rp*Pz)	Vou	Vpz-min	Vot	Calc OA % of Vot
AHU-1	1	101 Waiting Room	Transportation Waiting	303	7.5	40	13	97.5	0.06	18.2	115.7	1	115.7	390	**0.75**	0.78	135.0	168.0	173.5	**224.0**	**240**
	2	102 Ticket Office	Office	247	7.5	40	10	75.0	0.06	14.8	89.8	1	89.8	375					134.7		**7%**
	3	103 Ticket Office	Office	0	0	0	0	0.0	0	0.0	0.0	1	0.0	185							% above CODE
System Actual Population Ps = 18																					
	No Zones: 3			550			**23**	172.5		33.0	**205.5**		**205.5**	**950.0**					**308.3**		

EXHAUST:

Fan or Other Unit	Zone #	Name	Occup Category	Az (sf)	CODE MINIMUM Exhaust Required (0=N/A) Per SF (cfm/SF)	Per Fixture cfm/FIXT	#/FIXT	AIR CHANGE METHOD # Air Chgs	Rm Ht	EXHAUST RATES Per SF	Per Fixt	Air/Chgs		Selected Exhaust
EF-1	1	105 Unisex	Toilet Room	49				12	9	0	0	83		**120**
	2	106 Unisex	Toilet Room	49				12	9	0	0	83		**120**
				98										**240.0**

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JC	
DRAWN	MB	
CHECKED (FIELD)		
CHECKED (HDQTS.)		

RICHARD A. INGLE — STATE OF WASHINGTON — 1979 — REGISTERED PROFESSIONAL ENGINEER

SIGNED
08/09/2024
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT
HISTORIC PRESERVATION

ENERGY CODE NOTES

M002

SCALE
AS SHOWN

PARKS FILE#

HEAT PUMP SCHEDULE - SPLIT SYSTEM TYPE

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	AREA SERVED	COOLING CAP. *			HEATING CAP. **		A - INDOOR UNIT ***								B - OUTDOOR UNIT ***							PIPE SIZE		FILTERS		MIN. OA CFM	MAX. OUTDOOR UNIT WEIGHT LBS	MAX. INDOOR UNIT WEIGHT LBS	REMARKS
			TOTAL MBH	SENS. MBH	EFFICIENCY	MBH	EFFICIENCY	FAN			HEATER		TOTAL ELECTRIC			COMPRESSOR		FAN		ELECTRICAL			RG	RL	TYPE	MIN. SF				
								CFM	ESP	POWER	KW	STAGES	MCA	MOP	VOLTS / PH	QTY	RLA (EA)	QTY	POWER	MCA	MOP	VOLTS/PH								
HP-1	TRANE PVA-A36 & PUZ-HA36	ENTIRE BUILDING	36	31.32	18.2 SEER2	38	3.9 COP	950	0.5"	-	-	-	5.63	-	230/1	1	18	1	74 W	24	35	230/1	5/8"	3/8"	2" PTA MERV 8	1.9	-	260	205	W/ HIGH LEVEL CONDENSATE SENSOR

* COOLING CAPACITY IS AHRI RATING: AT 85° F DB; 66° F WB INDOOR COIL EAT AND 95° F OUTDOOR COIL EAT.
** HEATING CAPACITY IS AHRI HI-TEMP RATING: AT 70° F DB INDOOR EAT AND 47° F DB; 43° F WB OUTDOOR COIL EAT.
*** ON PLANS "A" DESIGNATES INDOOR UNIT, "B" DESIGNATES OUTDOOR UNIT. (E.G. HP-1B IS HP-1 OUTDOOR UNIT).

NOTES:
1. FILTERS ARE INSTALLED EXTERNAL OF UNIT IN MIXED AIR PLENUM.
2. REFRIGERATION PIPE SIZES LISTED ARE PRELIMINARY.
3. UNIT SHALL BE RATED FOR MINIMUM 32 MBH HEATING CAPACITY AT -2° F.
4. PROVIDE W/ WIND BAFFLE.
5. PROVIDE W/ CONDENSATE DRAIN PAN.

DEDICATED OUTSIDE AIR UNIT

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	AREA SERVED	SUPPLY FAN					EXHAUST FAN					UNIT ELECTRICAL		FILTERS	MAX UNIT WEIGHT (LBS)	REMARKS
			TYPE	CFM	ESP	DRIVE	POWER	TYPE	CFM	ESP	DRIVE	POWER	MCA	VOLTS/PH	TYPE		
ERV-1	TRANE - MITSUBISHI LOSSNAY LGH-F300	ENTIRE BUILDING	FC	240	0.75"	DIRECT	-	FC	240	0.75"	DIRECT	-	4.3	230/1	MERV 8	100	W/ ECM

NOTES:
1. UNITS SHALL HAVE MINIMUM HEAT RECOVERY EFFICIENCY PER WSEC AT EXHAUST AIR OF 70°F, 30% RH & EAT OF 20°F, 90% RH.
2. PROVIDE UNITS OA & EA WITH MOTORIZED DAMPERS COMPLYING W/ WSEC.

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	W	V	CW	HW	REMARKS
P-1A	WATER CLOSET	4"	2"	1/2"	-	FLOOR MOUNT, FLUSH TANK, ADA ACCESSIBLE, LEFT HAND TRIP HANDLE
P-1B	WATER CLOSET	4"	2"	1/2"	-	FLOOR MOUNT, FLUSH TANK, ADA ACCESSIBLE, RIGHT HAND TRIP HANDLE
P-3A	LAVATORY	2"	1-1/2"	1/2"	1/2"	WALL MOUNT ADA ACCESSIBLE
P-8A	DRINKING FOUNTAIN	2"	1-1/2"	1/2"	-	DUAL UNIT W/ BOTTLE FILLER, ADA ACCESSIBLE
P-11A	FLOOR DRAIN	SIZE AS NOTED ON PLANS				W/ TRAP PRIMER

AIR INLET & OUTLET SCHEDULE

SYMBOL	TYPE	MANUFACTURER AND SERIES NUMBER	REMARKS
CSG*	CEILING SUPPLY GRILLE	KEES LA050-LATTICE-53% OPEN	
CEG	CEILING EXHAUST GRILLE	KEES LA050-LATTICE-53% OPEN	
CRG	CEILING RETURN GRILLE	KEES LA050-LATTICE-53% OPEN	

NOTES:

1. CEILING DIFFUSERS (CD) SHALL HAVE NO. & DIRECTION OF THROWS AS INDICATED ON PLANS. (E.G. CD-3 = 3 WAY THROW)
2. ALL AIR TERMINALS SHALL HAVE FACTORY FINISH, COLOR AS SELECTED BY ARCHITECT.
3. SEE LEGEND FOR TERMINOLOGY USED IN AIR TERMINAL CALL-OUTS ON DRAWINGS.
4. SEE ARCH. FINISH SCHEDULE FOR CEILING TYPES, PROVIDE AIR TERMINALS TO MATCH CEILING CONSTRUCTION INSTALLED IN.

* PER ARCHITECT, VISUAL APPEAL TAKES PRIORITY OVER PERFORMANCE. SCHEDULED SUPPLY GRILLE WILL NOT PROVIDE EVEN AIR DISTRIBUTION.

ELECTRIC HEATER SCHEDULE

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	TYPE	AREA / UNIT SERVED	CFM	NOMINAL SIZE	ELECTRICAL		REMARKS
						POWER	VOLTS/PH	
DH-1	INDEECO QUA	DUCT HEATER	ERV-1	240	10x10	2.5 KW	240/1	W/ SCR CONTROLS
EH-1	MARKEL 3000	CEILING HEATER	107 CLOSET	-	-	1.5 KW	120/1	W/ INTEGRAL THERMOSTAT SET AT 45°F

WATER HEATER SCHEDULE

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	TYPE	AREA SERVED	HEATING CAPACITY	STORAGE (GAL)	DOMESTIC HW			ELECTRICAL		REMARKS
						GPH	EWT	LWT	FLA	VOLTS/PH	
WH-1*	CHRONOMITE M	INSTANTANEOUS ELECTRIC	RESTROOM HW	4.8 KW	-	32	40	100	20	240/1	

* USED MULTIPLE TIMES ON PLANS; SEE PLANS FOR QUANTITY.

MISCELLANEOUS EQUIPMENT SCHEDULE

SYMBOL	ITEM DESCRIPTION	SPECIFIED MANUFACTURER AND SERIES NUMBER	AREA SERVED	EQUIPMENT CAPACITY	ELECTRICAL		REMARKS
					POWER	VOLTS / PH	
HT-1	HEAT TRACE	RAYCHEM XL	DOMESTIC CW	500 WATTS 5W/LF	500 WATTS	115/1	W/ THERMOSTAT & POWER CONN KIT
HT-2	HEAT TRACE	RAYCHEM XL	DOMESTIC CW	500 WATTS 5W/LF	500 WATTS	115/1	W/ THERMOSTAT & POWER CONN KIT

SHEET 39 OF 54

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JC	
DRAWN	MB	
CHECKED (FIELD)		
CHECKED (HDQTS.)		

RICHARD A. INGLE — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

SIGNED
08/09/2024
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

MECHANICAL SCHEDULES

M003

SCALE
AS SHOWN

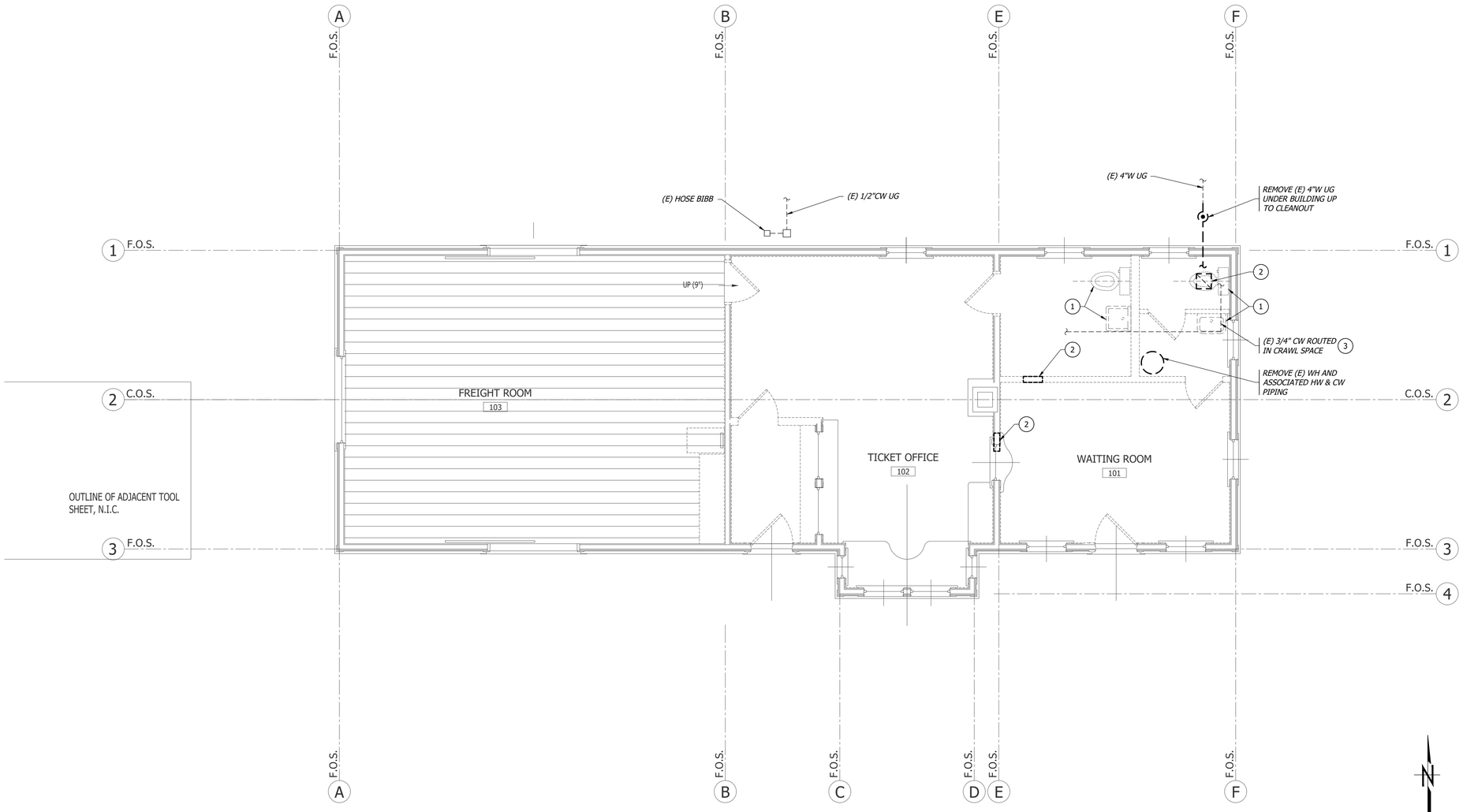
PARKS FILE#

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET M001.

KEYED NOTES:

1. REMOVE (E) FIXTURE & ASSOCIATED CW, HW, WASTE AND VENT.
2. REMOVE (E) GRILLE & ASSOCIATED MECHANICAL ITEMS.
3. REMOVE (E) INSULATION & PREPARE PIPING FOR HEAT TRACE. SEE SHEET M201.



1 M101 *MECHANICAL DEMO PLAN*
SCALE: 1/4" = 1'-0"

4' 0 8'

SHEET 40 OF 54

CAD NO.

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ACTION	BY	DATE
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DRAWN	MB	
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RICHARD A. INGLE — STATE OF WASHINGTON — 1979 — REGISTERED PROFESSIONAL ENGINEER

SIGNED
08/09/2024
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

MECHANICAL DEMO PLAN

M101

SCALE
AS SHOWN

PARKS FILE#

PIPE SIZING LEGEND:

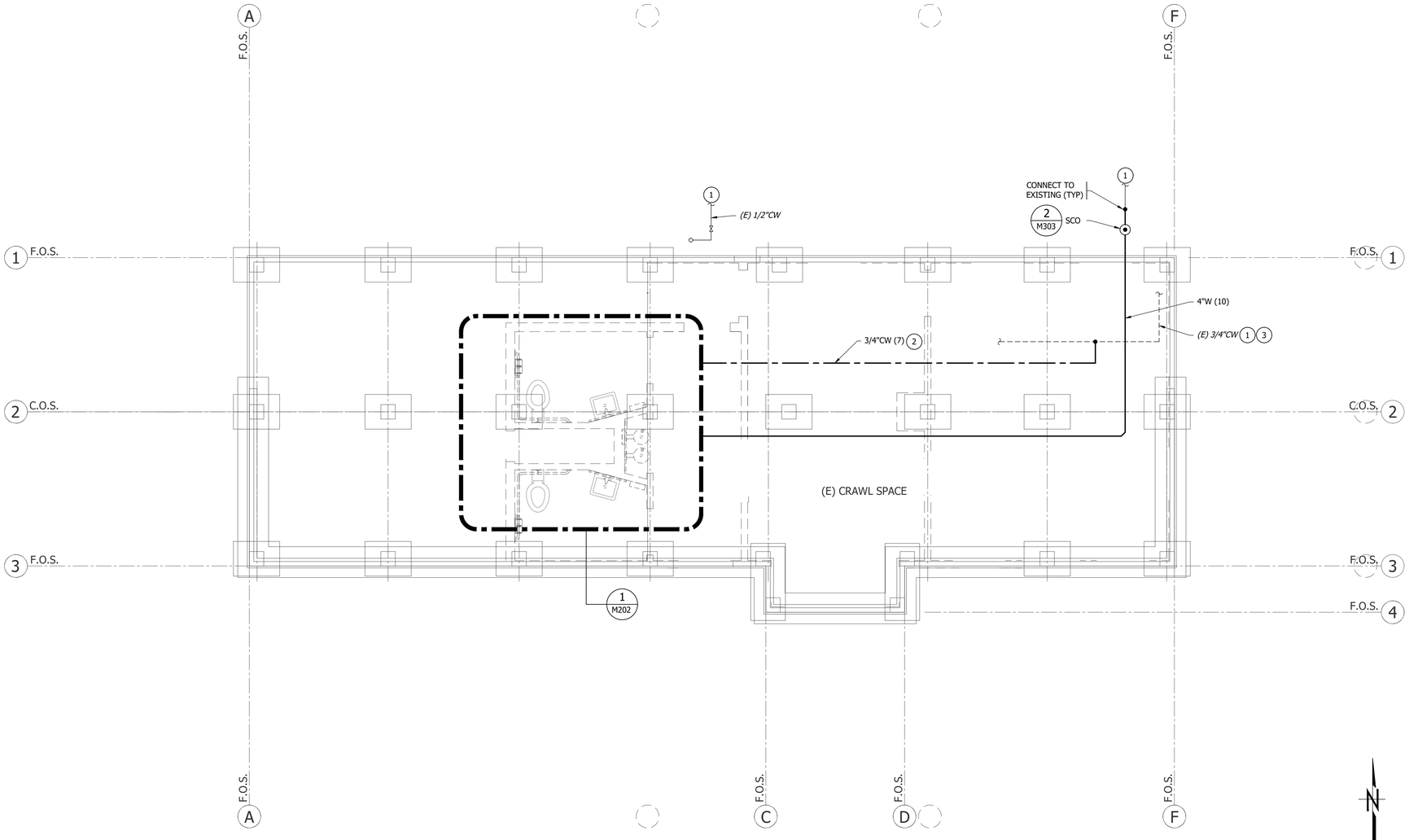
1-1/2" CW (35)
- WSFU'S (FOR CW & HW) / DFU'S (FOR W & V)
- SERVICE
- PIPE SIZE

KEYED NOTES:

1. EXISTING SITE PIPING. COORDINATE & VERIFY SIZE/LOCATION W/ SITE CONTRACTOR PRIOR TO BEGINNING WORK.
2. PROVIDE HT-1 FREEZE PROTECTION HEAT TRACE. APPLY TO CW PIPING ROUTED IN CRAWLSPACE, INSTALL PRIOR TO INSULATING PIPING.
3. PROVIDE FREEZE PROTECTION HEAT TRACE HT-2 ON (E) CW PIPING ROUTED IN CRAWLSPACE. INSTALL PRIOR TO INSULATING PIPING. FOR BIDDING PURPOSES ASSUME 100 LF OF PIPING WILL REQUIRE HEAT TRACE/ INSULATION.

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET M001.
2. AS-BUILT DRAWINGS DO NOT EXIST. PRIOR TO BEGINNING WORK VERIFY EXISTING SIZES & LOCATIONS. ELECTRONICALLY LOCATE EXISTING WASTE.
3. FIXTURES DRAWN DASHED ARE LOCATED ON THE FLOOR ABOVE.



1 M201 MECHANICAL FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

4' 0 8'

SHEET 41 OF 54

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JC	
DRAWN	MB	
CHECKED (FIELD)		
CHECKED (HDQTS.)		

RICHARD A. INGLE — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

SIGNED
08/09/2024
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

MECHANICAL FOUNDATION PLAN

M201

SCALE
AS SHOWN

PARKS FILE#

PIPE SIZING LEGEND:

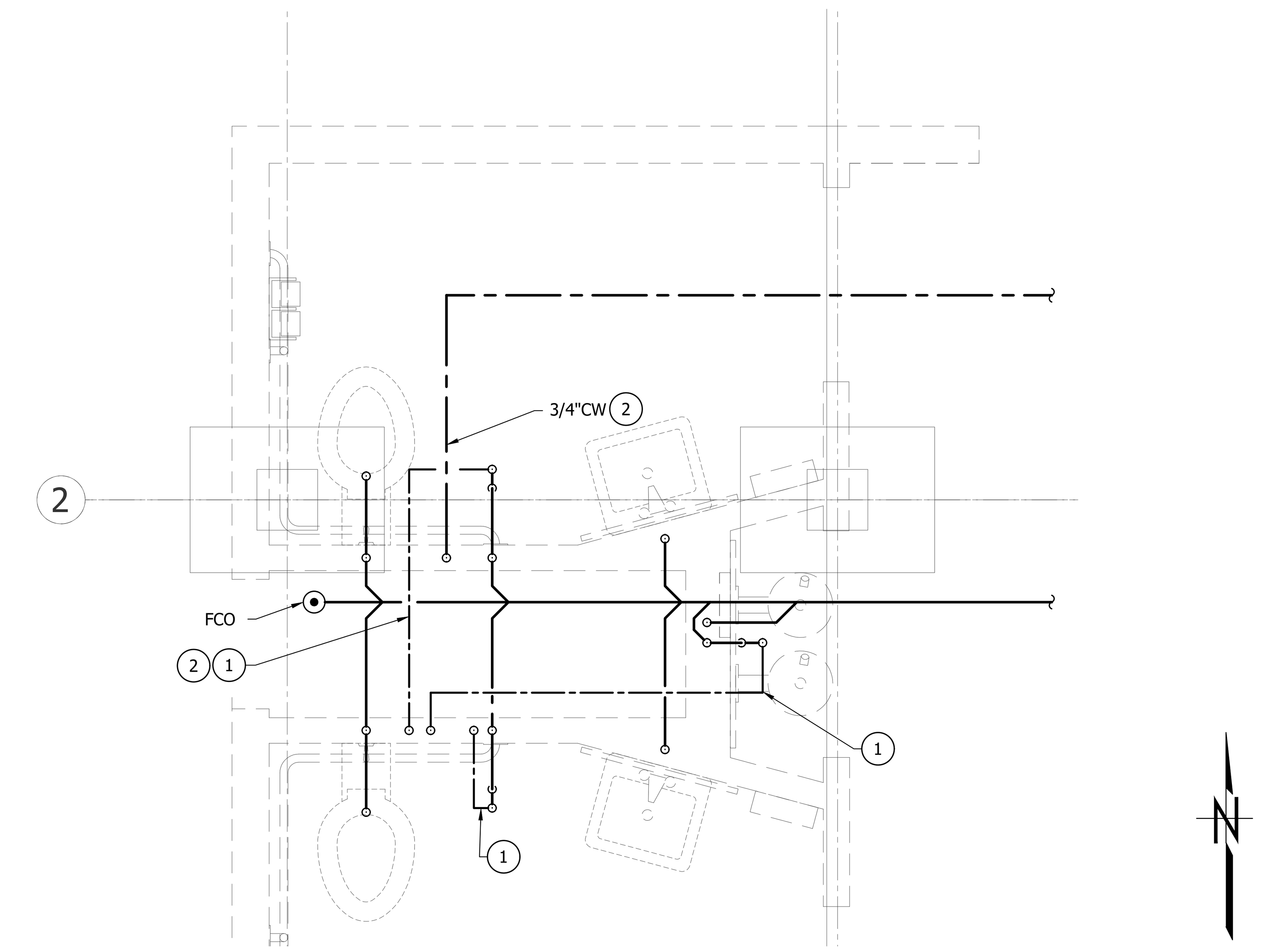
1-1/2" CW (35)
- WSFU'S (FOR CW & HW) / DFU'S (FOR W & V)
- SERVICE
- PIPE SIZE

KEYED NOTES:

1. 1/2" CW FROM TRAP PRIMER TO FD.
2. PROVIDE HT-1 FREEZE PROTECTION HEAT TRACE. APPLY TO CW PIPING ROUTED IN CRAWLSPACE, INSTALL PRIOR TO INSULATING PIPING.

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET M001.
2. FIXTURES DRAWN DASHED ARE LOCATED ON THE FLOOR ABOVE.
3. ALL PIPING ROUTED IN CRAWL SPACE.
4. INSTALL TRAP PRIMER LINES & P-TRAPS ON WARM SIDE OF INSULATION. WRAP CRAWL SPACE INSULATION OVER ITEMS AS NEEDED.



1 M202 ENLARGED MECHANICAL FOUNDATION PLAN

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

0 2' 4'

SHEET 42 OF 54

CAD NO.

DATE	APP.	INT.	REVISIONS	NO.

ACTION	BY	DATE
DESIGNED	JC	
DRAWN	MB	
CHECKED (FIELD)		
CHECKED (HDQTS.)		

RICHARD A. HULTZ — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

SIGNED 08/09/2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

ENLARGED MECHANICAL FOUNDATION PLAN

M202

SCALE: AS SHOWN

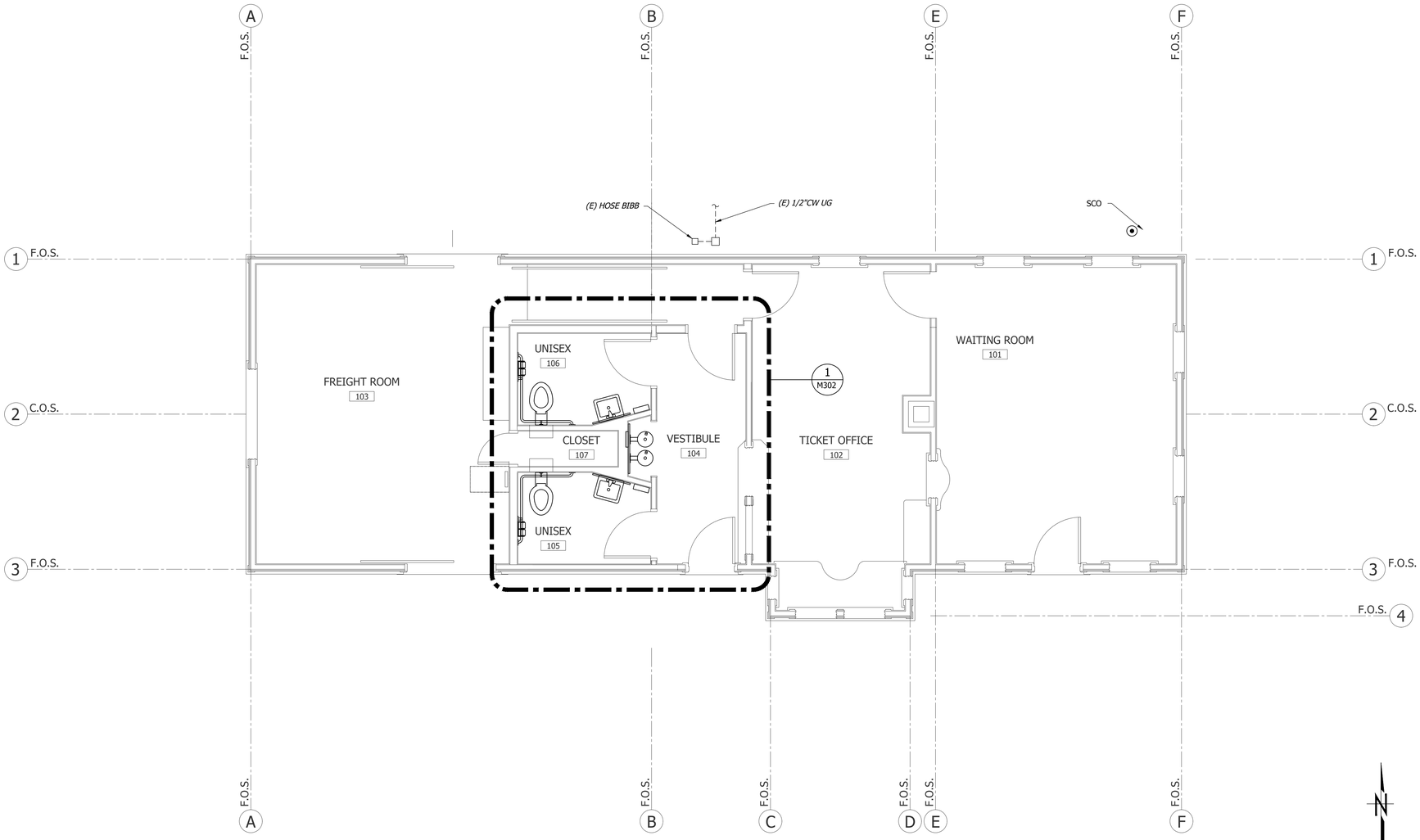
PARKS FILE#

PIPE SIZING LEGEND:

1-1/2" CW (35)
- WSFU'S (FOR CW & HW)
- DFU'S (FOR W & V)
- SERVICE
- PIPE SIZE

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET M001.
2. FOR PIPING SIZES TO INDIVIDUAL PLUMBING FIXTURES SEE "PLUMBING FIXTURE SCHEDULE" SHEET M003.
3. PROVIDE WALL CLEANOUT IN WASTE PIPING BENEATH ALL SINKS.
4. OFFSET PLUMBING PIPING AND VTR'S TO AVOID DUCTWORK AND OTHER OBSTRUCTIONS. TERMINATE VTR'S A MINIMUM OF 15 FEET FROM ANY OUTSIDE AIR INTAKES.
5. ALL VENTS ARE 2" UNO.



1 M301 PLUMBING FLOOR PLAN

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

0 4' 8'

SHEET 43 OF 54

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JC	
DRAWN	MB	
CHECKED (FIELD)		
CHECKED (HDQTS.)		

RICHARD A. INGLE — STATE OF WASHINGTON — 1979 — REGISTERED PROFESSIONAL ENGINEER

SIGNED

08/09/2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

PLUMBING FLOOR PLAN

M301

SCALE

AS SHOWN

PARKS FILE#

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JC	
DRAWN	MB	
CHECKED (FIELD)		
CHECKED (HDQTS.)		

RICHARD A. HULTZ, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

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PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

ENLARGED PLUMBING FLOOR PLAN

M302

SCALE: AS SHOWN

PARKS FILE#

PIPE SIZING LEGEND:

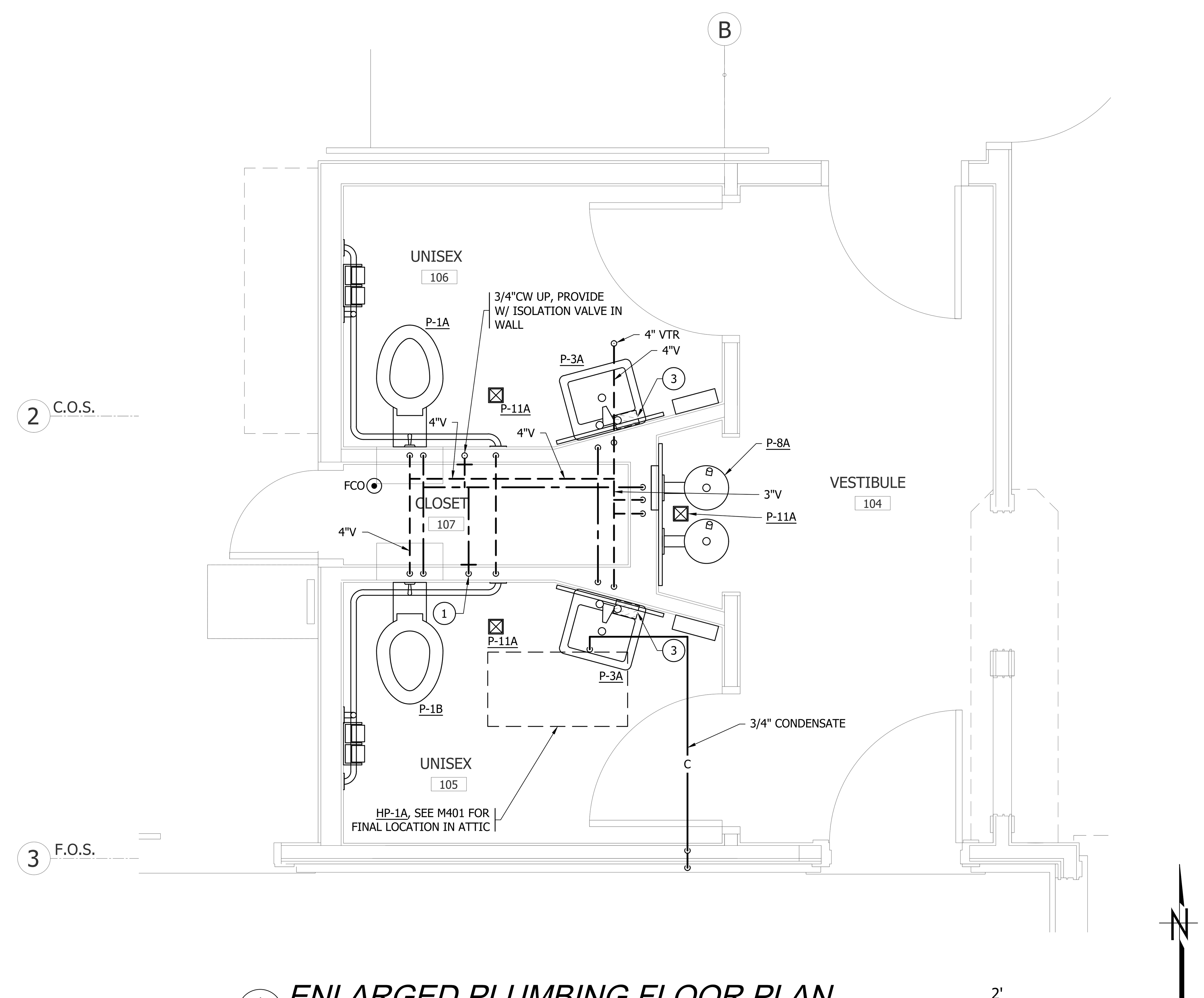
1-1/2" CW (35)
- WSFU'S (FOR CW & HW) DFU'S (FOR W & V)
- SERVICE
- PIPE SIZE

KEYED NOTES:

1. 1/2" CW DN TO TRAP PRIMER.
2. CONTINUE LOOP DN IN WALL WITHIN 4" OF FIXTURE.
3. WH-1; MOUNTED BELOW FIXTURE. SEE DETAIL 1 ON SHEET M303.

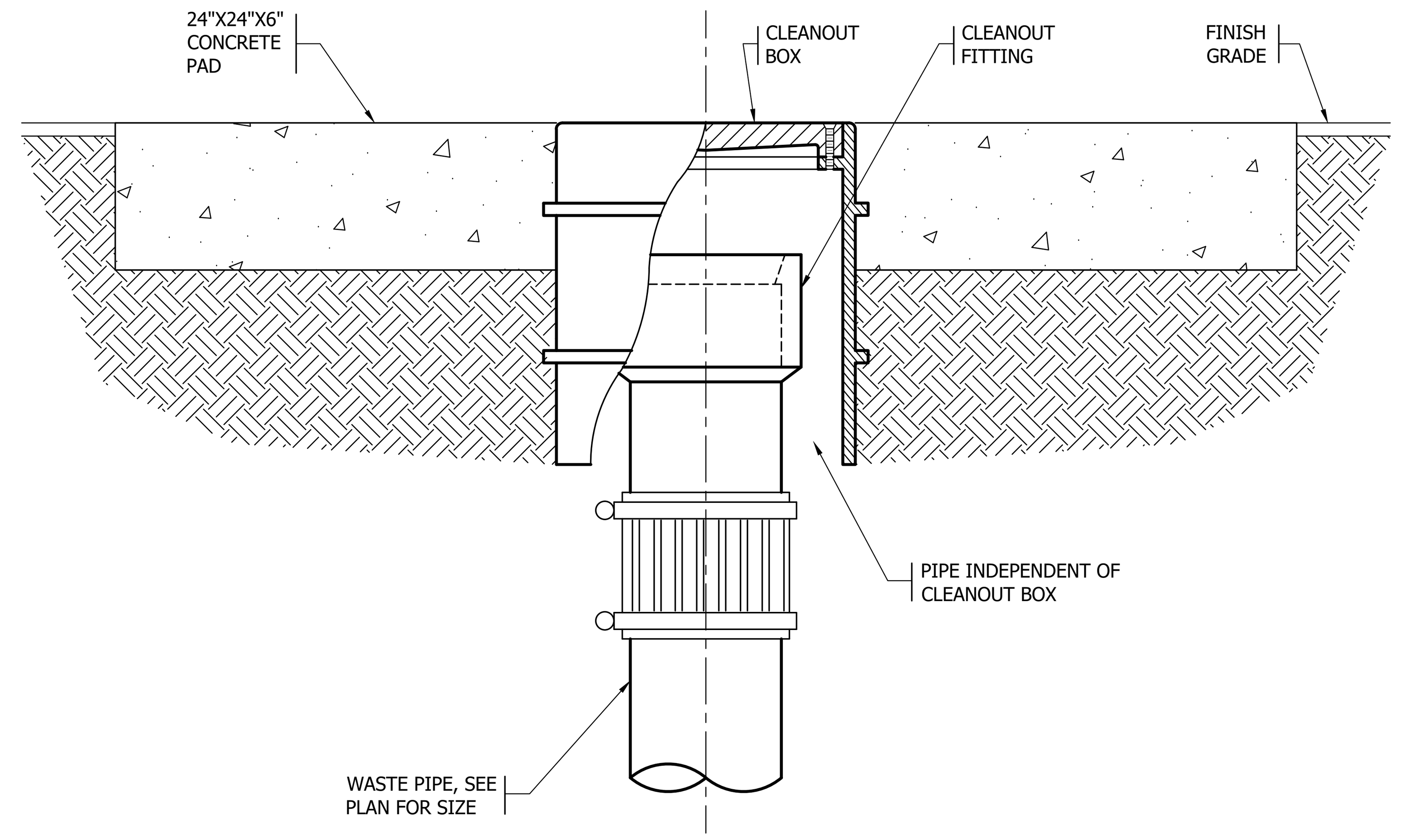
GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET M001.
2. FOR PIPING SIZES TO INDIVIDUAL PLUMBING FIXTURES SEE "PLUMBING FIXTURE SCHEDULE" SHEET M003.
3. PROVIDE WALL CLEANOUT IN WASTE PIPING BENEATH ALL SINKS.
4. OFFSET PLUMBING PIPING AND VTR'S TO AVOID DUCTWORK AND OTHER OBSTRUCTIONS. TERMINATE VTR'S A MINIMUM OF 15 FEET FROM ANY OUTSIDE AIR INTAKES.
5. ALL VENTS ARE 2" UNO.
6. ALL PIPING ROUTED IN CEILING SPACE.
7. ROUTE ALL PIPING SUBJECT TO FREEZING ON WARM SIDE OF INSULATION.

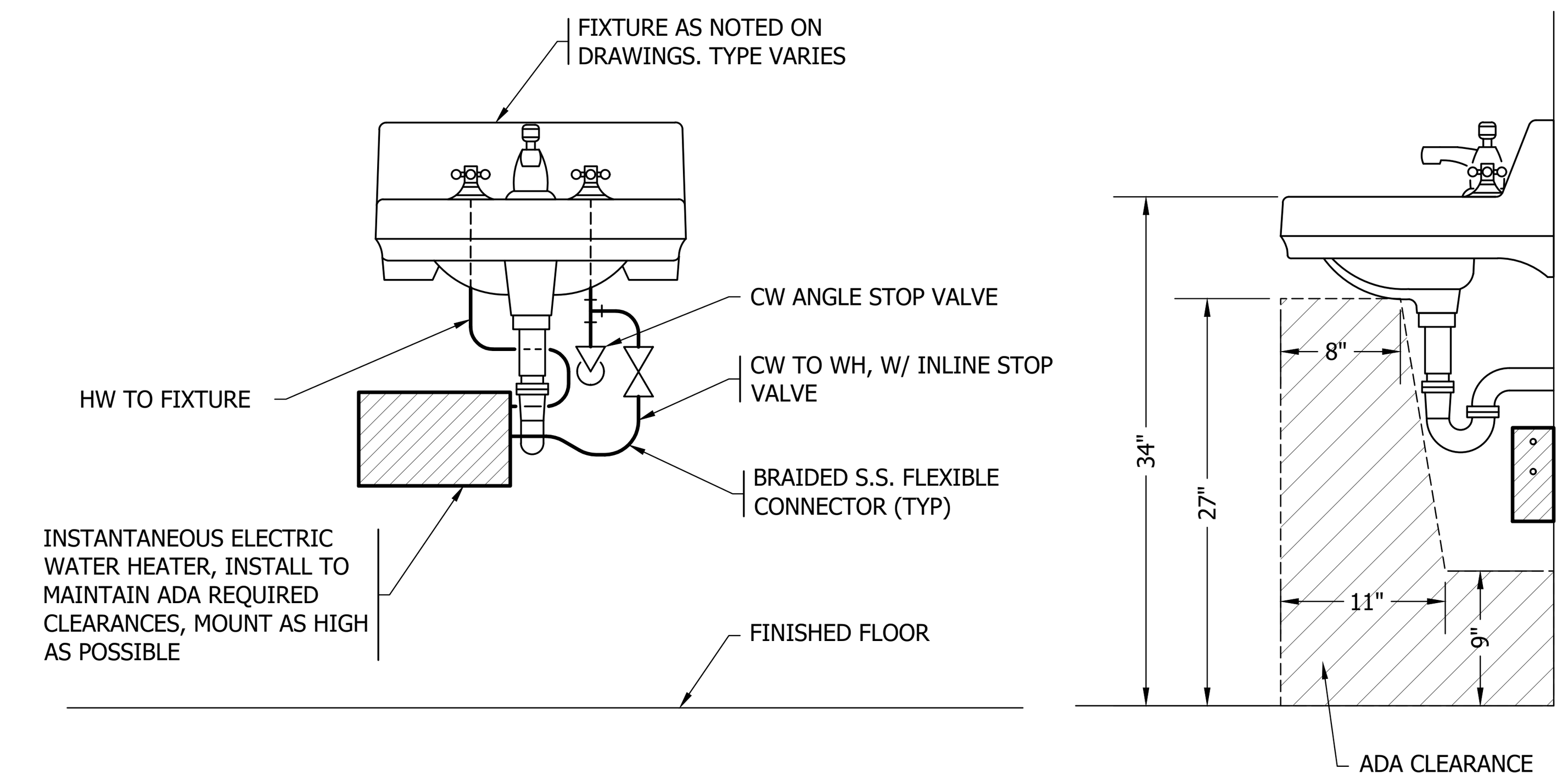


1 M302 *ENLARGED PLUMBING FLOOR PLAN*

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



SURFACE CLEANOUT DETAIL 2 / M303
NTS



INSTANTANEOUS WATER HEATER 1 / M303
NTS

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JC	
DRAWN	MB	
CHECKED (FIELD)		
CHECKED (HDQTS.)		

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SIGNED
08/09/2024
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

PLUMBING DETAILS

M303

SCALE
AS SHOWN

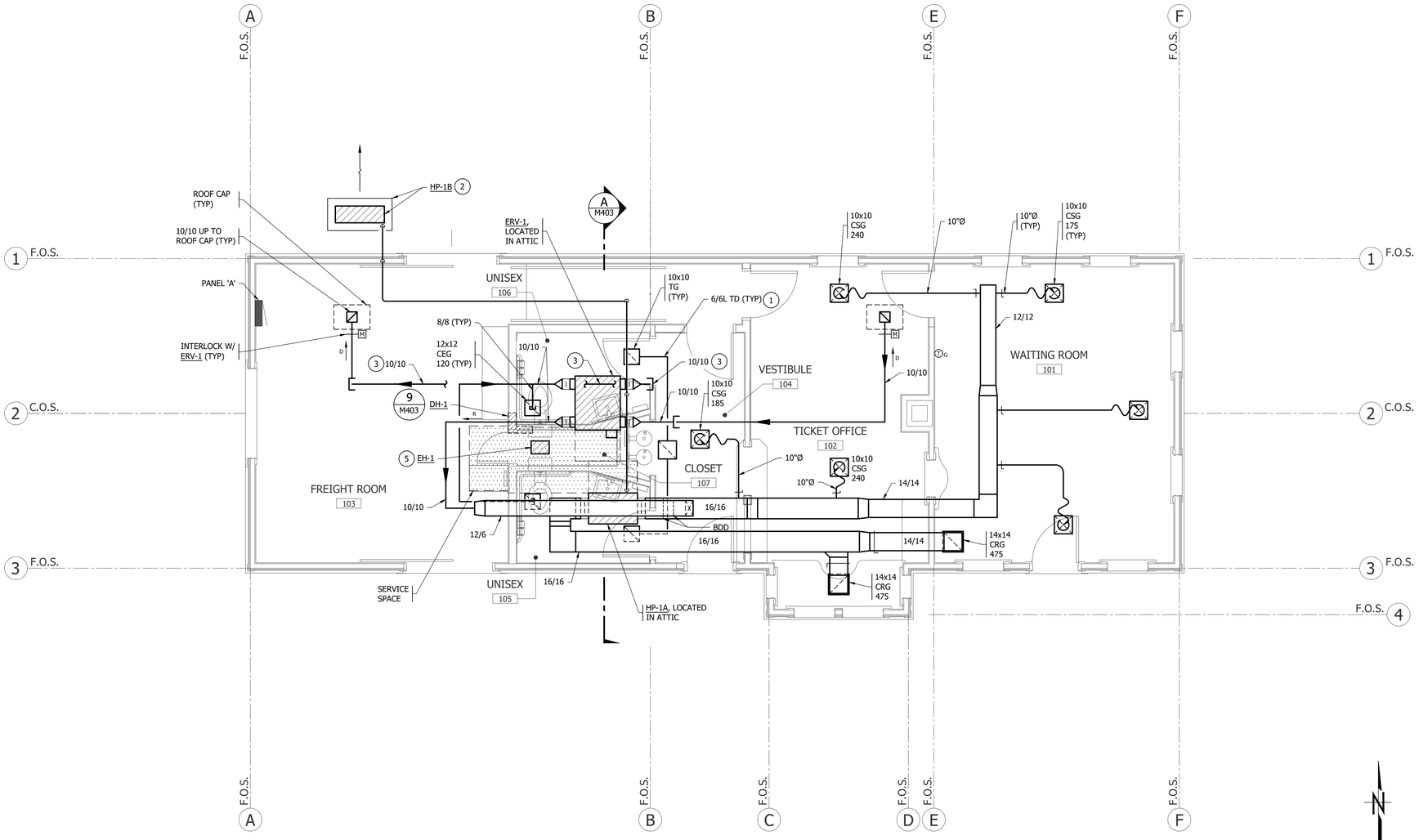
PARKS FILE#

KEYED NOTES:

1. DUCT ROUTED IN CEILING SPACE.
2. 6" THICK CONCRETE PAD, 6" LARGER THAN EQUIPMENT ALL AROUND. ANCHOR UNIT TO PAD. LOCATE UNIT FREE OF BUILDING DRIP LINE. UNIT SHALL BE INSTALLED TO MAINTAIN MANUFACTURES REQUIRED CLEARANCES. LOCATION SHOWN IS PRELIMINARY. VERIFY EXACT LOCATION W/ GENERAL CONTRACTOR AND ARCHITECT PRIOR TO INSTALLATION.
3. ROUTE OVER RA DUCT AND ERV TO EXH OUTLET POINT ON ERV.
4. NOT USED.
5. LOCATED AT CEILING OF CLOSET (BELOW ATTIC).

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET M001.
2. LOCATE MOTORIZED DAMPERS & ACTUATORS TO BE ACCESSIBLE, PROVIDE DUCT ACCESS DOORS AT MOTORIZED DAMPERS.
3. PROVIDE DUCT TRANSITIONS AT EQUIPMENT CONNECTIONS TO SIZE SHOWN; WHERE DUCT IS TO BE LINED, TRANSITIONS SHALL ALSO BE LINED.
4. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
5. ALL DUCT ROUTED IN ATTIC.
6. DO NOT INSTALL MECHANICAL ITEMS ABOVE OR BELOW ELECTRICAL PANELS OR SWITCH GEAR.
7. PROVIDE FLEXIBLE DUCT CONNECTORS IN DUCT CONNECTIONS TO ALL HVAC EQUIPMENT.
8. SEE DETAIL 1 ON M402 FOR AIR INLETS & OUTLETS.
9. COORDINATE INSTALLATION OF LARGER ITEMS W/ GC. ATTIC ACCESS IS TIGHT AND LARGER ITEMS REQUIRE INSTALLATION PRIOR TO CEILING WORK.



1 M401 *HVAC FLOOR PLAN*
SCALE: 1/4" = 1'-0"

0 4' 8'

SHEET 46 OF 54

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JC	
DRAWN	MB	
CHECKED (FIELD)		
CHECKED (HDQTS.)		

RICHARD A. INGLE — STATE OF WASHINGTON — 1979 — REGISTERED PROFESSIONAL ENGINEER

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WASHINGTON STATE PARKS AND RECREATION COMMISSION

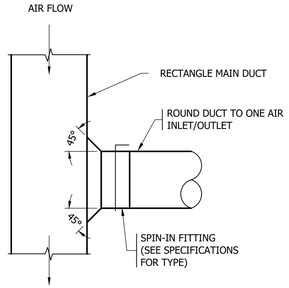
KITTITAS DEPOT HISTORIC PRESERVATION

HVAC FLOOR PLAN

M401

SCALE
AS SHOWN

PARKS FILE#



BRANCH SERVING MULTIPLE AIR INLETS/OUTLETS

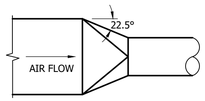
NOTE:

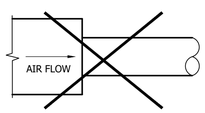
WHERE MAIN DUCT DOES NOT HAVE ADEQUATE HEIGHT TO ACCEPT ROUND DUCT, PROVIDE RECTANGULAR CONNECTION, WITH SAME FREE AREA AS ROUND DUCT, AND TRANSITION TO ROUND

RECT-TO-ROUND BRANCH DUCT CONNECTION

NTS

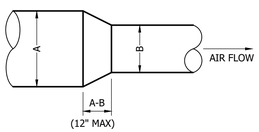
3 M402

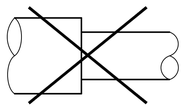




STRAIGHT TAP NOT ALLOWED

RECT - TO ROUND





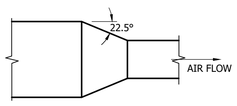
STRAIGHT TAP NOT ALLOWED

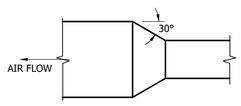
ROUND - TO ROUND

ROUND TRANSITIONS

NTS

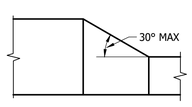
6 M402

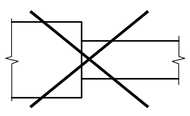




CONCENTRIC TRANSITION (DIVERGING)

CONCENTRIC TRANSITION (CONVERGING)





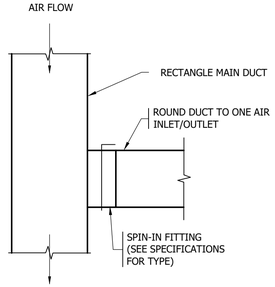
ECCENTRIC TRANSITION

STRAIGHT TAP NOT ALLOWED

RECT-TO-RECT TRANSITIONS

NTS

8 M402



SERVING ONE INLET/OUTLET

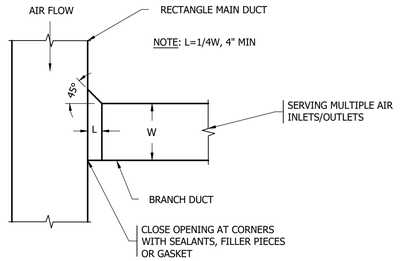
NOTE:

WHERE MAIN DUCT DOES NOT HAVE ADEQUATE HEIGHT TO ACCEPT ROUND DUCT, PROVIDE RECTANGULAR CONNECTION, WITH SAME FREE AREA AS ROUND DUCT, AND TRANSITION TO ROUND

RECT-TO-RECT BRANCH DUCT CONNECTION

NTS

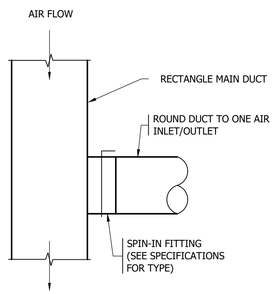
2 M402



RECT-TO-RECT BRANCH DUCT CONNECTION

NTS

5 M402



SERVING ONE INLET/OUTLET

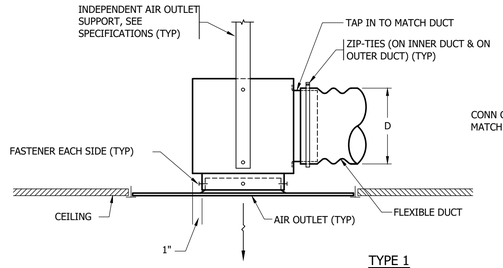
NOTE:

WHERE MAIN DUCT DOES NOT HAVE ADEQUATE HEIGHT TO ACCEPT ROUND DUCT, PROVIDE RECTANGULAR CONNECTION, WITH SAME FREE AREA AS ROUND DUCT, AND TRANSITION TO ROUND

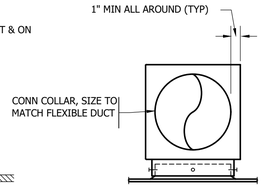
RECT-TO-ROUND BRANCH DUCT CONNECTION

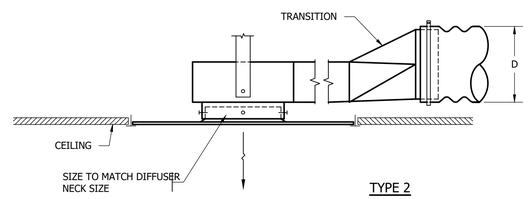
NTS

7 M402

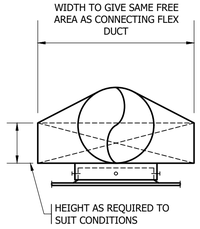


TYPE 1





TYPE 2



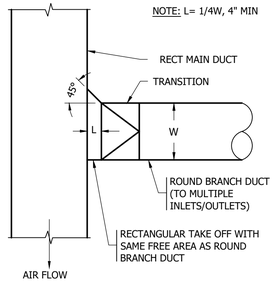
NOTES:

1. PROVIDE TYPE 1 UNLESS BUILDING CONDITIONS REQUIRE LOWER PROFILE - THEN USE TYPE 2.
2. CONSTRUCT PLENUM BOXES OF MIN. 26 GA. GALV. STEEL.
3. NOT ALLOWED AT TRANSFER DUCTS.
4. LINE PLENUM & DUCT TO AIR OUTLET WHERE SO NOTED ON PLANS OR IN SPECIFICATIONS.
5. CEILING TYPE & AIR OUTLET FRAME STYLE MAY VARY FROM THAT DEPICTED.
6. NOT ALL SUPPORTS ARE SHOWN FOR CLARITY.
7. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

TIGHT CONDITION - FLEX DUCT AIR OUTLET CONNECTION

NTS

1 M402



SERVING MULTIPLE INLET/OUTLET

RECT-TO-ROUND BRANCH DUCT CONNECTION

NTS

4 M402

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JC	
DRAWN	MB	
CHECKED (FIELD)		
CHECKED (HDQTS.)		

RICHARD A. INSLEE STATE OF WASHINGTON 1979 REGISTERED PROFESSIONAL ENGINEER

SIGNED

08/09/2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

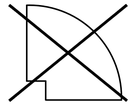
HVAC DETAILS

M402

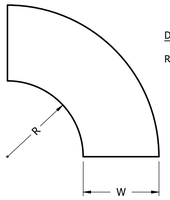
SCALE

AS SHOWN

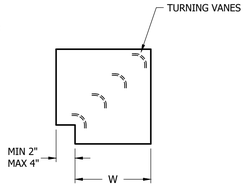
PARKS FILE#



NOT ALLOWED



RADIUS ELBOW

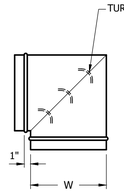


MITERED ELBOW

ELBOWS - RECTANGULAR

NTS

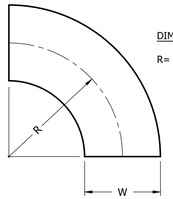
11
M403



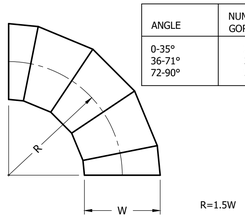
DIMENSION:

DIAMETER (INCH)	NUMBER OF VANES
3-9	2
10-14	3
15-19	4
20-60	5
OVER 60	12" MAX. SPACING

MITERED 90° ELBOW



DIE-STAMPED ELBOW



DIMENSION :

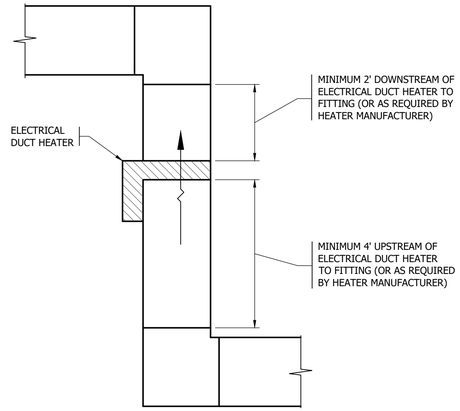
ANGLE	NUMBER OF GORES
0-35°	2
36-71°	3
72-90°	5

FABRICATED ELBOW

ELBOWS - ROUND

NTS

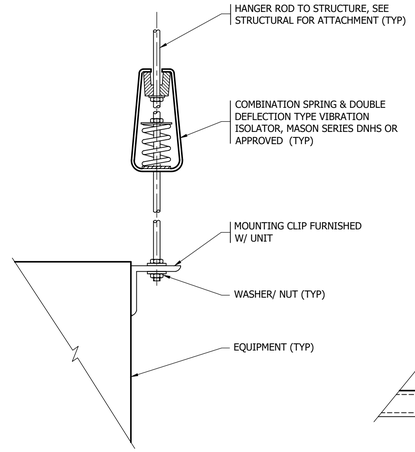
10
M403



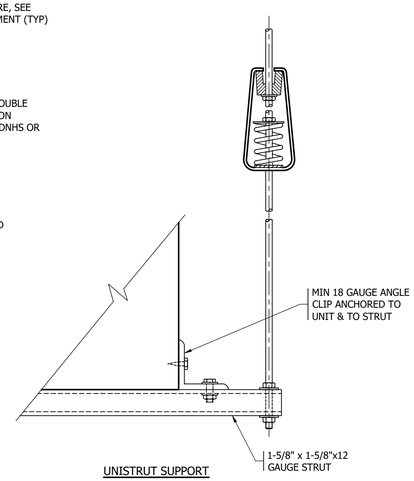
ELECTRIC DUCT COIL

NTS

9
M403



UNIT W/ SUPPORT PROVISIONS



UNISTRUT SUPPORT

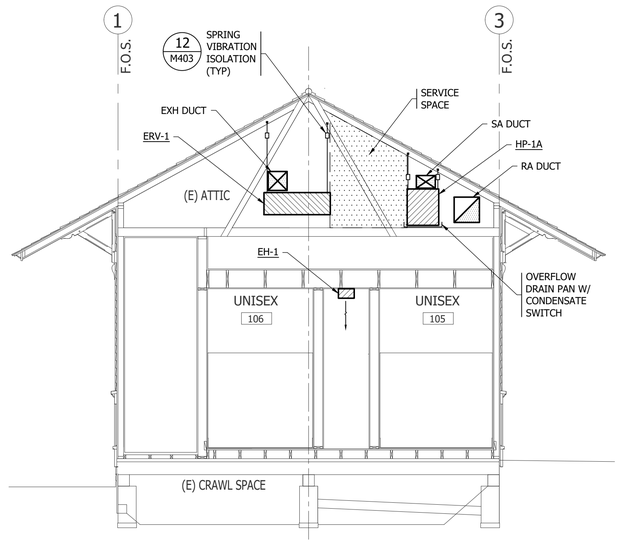
NOTES:

1. ALL SUSPENDED HVAC EQUIPMENT W/ ROTATING COMPONENTS SHALL HAVE VIBRATION ISOLATORS AS SHOWN.
2. VIBRATION ISOLATORS SHALL BE SELECTED FOR 1" DEFLECTION.
3. FOR INTERNALLY ISOLATED UNITS PROVIDE DOUBLE DEFLECTION NEOPRENE HANGER (MASON SERIES HD OR APPROVED) IN LIEU OF TYPE SHOWN. SIZE FOR 1/8" DEFLECTION.
4. SEE STRUCTURAL FOR ATTACHMENT TO STRUCTURE & OTHER ANCHORING REQUIREMENTS.
5. MOUNT SPRING ISOLATOR AS CLOSE TO EQUIPMENT AS POSSIBLE.

SUSPENDED EQUIP. SUPPORT

NTS

12
M403



SECTION

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

A
M403

SHEET 48 OF 54

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NO.	REVISIONS	INT.	APP.	DATE

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RICHARD A. INSLEY
STATE OF WASHINGTON
1979
REGISTERED
PROFESSIONAL ENGINEER

SIGNED
08/09/2024
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT
HISTORIC PRESERVATION

HVAC DETAILS

M403

SCALE
AS SHOWN

PARKS FILE#

ABBREVIATIONS

(SOME ABBREVIATIONS MAY NOT BE USED ON DRAWINGS)

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
A or AMP	AMPERES	MECH	MECHANICAL
AC	ALTERNATING CURRENT	MH	MANHOLE
A/C	AIR CONDITIONING	MIN	MINIMUM
AIC	AMPERE INTERRUPTING CAPACITY	MLO	MAIN LUGS ONLY
AL	ALUMINUM	MOP, MOCP	MAXIMUM OVERCURRENT PROTECTION
ARCH	ARCHITECTURAL	MTD	MOUNTED
ATC	AUTOMATIC TEMPERATURE CONTROL	MTG	MOUNTING
ATS	AUTOMATIC TRANSFER SWITCH	NC	NORMALLY CLOSED
AWG	AMERICAN WIRE GAUGE	N, NEUT	NEUTRAL
BIL	BASIC IMPULSE LEVEL	NIC	NOT IN CONTRACT
BKR	BREAKER	NO	NORMALLY OPEN
BLDG	BUILDING	NTS	NOT TO SCALE
C	CONDUIT	OC	ON CENTER
C.O.	CONDUIT ONLY	OD	OUTSIDE DIAMETER
°C	DEGREES CELSIUS	OH	OVERHEAD
CB	CIRCUIT BREAKER	PA	PUBLIC ADDRESS
CCTV	CLOSED CIRCUIT TELEVISION	PB	PULLBOX
CFM	CUBIC FEET PER MINUTE	PF	POWER FACTOR
CKT	CIRCUIT	Ø or PH	PHASE
CL	CENTER LINE	PNL	PANEL
CLG	CEILING	PR	PAIR
CONC	CONCRETE	PRI	PRIMARY
CT	CURRENT TRANSFORMER	PT	POTENTIAL TRANSFORMER
CU	COPPER	PVC	POLYVINYL CHLORIDE
CW	COLD WATER	RECPT	RECEPTACLE
BD	DECIBELS	REQ	REQUIRED
DC	DIRECT CURRENT	RF	RADIO FREQUENCY
DIA	DIAMETER	RM	ROOM
DIV	DIVISION	RMS	ROOT MEAN SQUARE
DPDT	DOUBLE POLE, DOUBLE THROW	SEC	SECONDARY
DPST	DOUBLE POLE, SINGLE THROW	SHT	SHEET
DWG	DRAWING	SMR	SURFACE METAL RACEWAY
EGC	EQUIPMENT GROUND CONDUCTOR	SN	SOLID NEUTRAL
ELEC	ELECTRIC	SP	SINGLE POLE
EMT	ELECTRICAL METALLIC TUBING	SPD	SURGE PROTECTIVE DEVICE
EXST, (E)	EXISTING	SPDT	SINGLE POLE, DOUBLE THROW
EV	ELECTRIC VEHICLE	SPST	SINGLE POLE, SINGLE THROW
°F	DEGREES FAHRENHEIT	SS	STAINLESS STEEL
FA	FIRE ALARM	STD	STANDARD
FC	FOOTCANDLE	SW	SWITCH
FLA	FULL LOAD AMPS	SWBD	SWITCHBOARD
FLEX	FLEXIBLE CONDUIT	TEL	TELEPHONE
GALV	GALVANIZED	TV	TELEVISION
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TTB	TELECOMMUNICATIONS TERMINAL BOARD
GND	GROUND	TYP	TYPICAL
H-O-A	HAND - OFF - AUTO	UL	UNDERWRITERS LABORATORY
HP	HORSEPOWER	UF	UNDERFLOOR
HPF	HIGH POWER FACTOR	UG	UNDERGROUND
H & V	HEATING AND VENTILATION	V	VOLTS
HVAC	HEATING, VENTILATION & AIR CONDITIONING	VA	VOLT AMPERES
HZ	HERTZ	VAC	VOLTS ALTERNATING CURRENT
IDF	INTERMEDIATE DISTRIBUTION FRAME	VAR	REACTIVE VOLT AMPERES
J-BOX	JUNCTION BOX	VAV	VARIABLE AIR VOLUME
KV	KILOVOLTS	VD	VOLTAGE DROP
KVA	KILOVOLT AMPERES	VDC	VOLTS DIRECT CURRENT
KVAR	REACTIVE KILOVOLT AMPERES	VFD	VARIABLE FREQUENCY DRIVE
KW	KILOWATTS	VT	VAPORTIGHT
KWH	KILOWATT HOURS	W	WATTS
LT	LIGHT	WP	WEATHERPROOF
LTG	LIGHTING	/W	WITH
MAX	MAXIMUM	W/O	WITHOUT
MCA	MINIMUM CIRCUIT AMPS	XFER	TRANSFER
MCB	MAIN CIRCUIT BREAKER	XFMR	TRANSFORMER
MCC	MOTOR CONTROL CENTER	XLP	CROSS-LINKED POLYETHYLENE
MCM, KCM	THOUSAND CIRCULAR MILS	XP	EXPLOSION PROOF
MDF	MAIN DISTRIBUTION FRAME	Z	IMPEDANCE

ELECTRICAL LEGEND

(SOME SYMBOLS MAY NOT BE USED ON DRAWINGS)

SYMBOL	DESCRIPTION
#	BUBBLE NOTE TAG SYMBOL: # - IDENTIFYING NUMBER
200–4–G	FEEDER CALLOUT X-Y-Z. SEE SCHEDULE.
200/150–3P	DEVICE SIZE / FUSE OR TRIP RATING - NUMBER OF POLES
	SCHEDULED EQUIPMENT CONNECTION (INCLUDE ALL WIRING, DISCONNECTING MEANS, CONTROL AND OTHER REQUIREMENTS SCHEDULED)
# / A	DETAIL SYMBOL: # - IDENTIFYING NUMBER B - SHEET WHERE DETAIL TAKEN C - SHEET WHERE DETAIL SHOWN
	BOLLARD WITH INTEGRAL LIGHT
	PENDANT MOUNT FIXTURE
	SURFACE MOUNT FIXTURE - WALL
	RECESSED MOUNT FIXTURE - CEILING
	EXIT SIGN WITH TWIN HEAD EMERGENCY FIXTURES
	EMERGENCY FIXTURE - TWIN HEAD
S_{OS}	SINGLE POLE SWITCH WITH OCCUPANCY SENSOR
	PHOTOCELL (EXTERIOR LIGHT CONTROL)
	DUPLEX RECEPTACLE (NEMA 5-20R)
	FOURPLEX RECEPTACLE (NEMA 5-20R)
	GFCI DUPLEX RECEPTACLE (NEMA 5-20R) "WP" INDICATES WEATHERPROOF
J	JUNCTION BOX
	PANELBOARD
	DATA (COMPUTER) OUTLET WITH JACK

DRAWING INDEX

SHEET #	DESCRIPTION
E001	ELECTRICAL LEGEND & NOTES
E101	ELECTRICAL SITE PLAN
ED01	ELECTRICAL DEMO PLAN
E201	ELECTRICAL LIGHTING PLAN
E301	ELECTRICAL POWER PLAN
E501	ELECTRICAL ONE-LINE DIAGRAM

GENERAL ELECTRICAL NOTES:

1. SEE ARCHITECTURAL PLANS FOR LOCATION OF FIRE RATED CONSTRUCTION.
2. BRANCH CIRCUIT NOTES:
   A. VERIFY BRANCH CIRCUIT WIRE COUNT BEFORE PULLING CONDUCTORS. PROVIDE REQUIRED CONDUCTORS TO EACH OUTLET AND DEVICE FOR PHASE, NEUTRAL AND EQUIPMENT GROUND BASED ON CIRCUIT DESIGNATIONS SHOWN AND AS OTHERWISE INDICATED ON PLANS OR NOTE BELOW.
   B. FOR SWITCHED OUTLETS, PROVIDE ADDITIONAL CONDUCTOR COUNT REQUIRED FOR SWITCH LEGS TO ACCOMMODATE SWITCH CONTROL INDICATED. MAINTAIN UNSWITCHED LEG IN LIGHTING BRANCH CIRCUITS TO EXIT, EMERGENCY, AND NIGHT LIGHTING SHOWN.
   C. PROVIDE SEPARATE NEUTRAL CONDUCTOR FOR BRANCH CIRCUITS SERVING RECEPTACLE OUTLETS UNLESS OTHERWISE INDICATED.
3. MINIMUM CONDUIT SIZE FOR HOMERUNS AND FOR CONDUIT SHALL BE 3/4 INCH.
4. REFER TO ARCHITECTURAL ELEVATIONS FOR LOCATION AND MOUNTING HEIGHT OF WIRING DEVICES. REPORT CONFLICTS TO ARCHITECT/ENGINEER FOR RESOLUTION.
5. VERIFY BACK BOX REQUIREMENTS OF EQUIPMENT FURNISHED UNDER OTHER THAN DIVISION 26, 27 OR 28 SECTIONS AND EQUIPMENT FURNISHED BY OWNER.
6. PRIOR TO PREPARATION OF BID, VISIT JOBSITE AND EXAMINE EXISTING CONDITIONS. WORK SCOPE SHALL INCLUDE ALL COSTS FOR CUTTING, PATCHING AND CORE DRILLING REQUIRED TO INSTALL CONDUIT AND OTHER WIRING METHODS THROUGH EXISTING WALLS, FLOORS AND OTHER BUILDING ELEMENTS (NOT SHOWN ON DRAWINGS).
7. VERIFY WITH CABINET INSTALLER FOR ALL CABINET LOCATIONS, DIMENSIONS, AND COUNTER HEIGHTS PRIOR TO OUTLET ROUGH-IN. OUTLETS LOCATED ABOVE COUNTER SHALL BE INSTALLED TO CENTERLINE ABOVE COUNTERTOP BACKSPLASH, AS DIRECTED OR INDICATED IN SPECIFICATIONS. VERIFY HEIGHT WITH OWNER'S REPRESENTATIVE OF ANY LOCATION THAT CANNOT ACCOMMODATE MOUNTING HEIGHT.

ENERGY CODE COMPLIANCE NOTES:

1. MANUAL LIGHTING CONTROL: PROVIDE EACH ROOM WITH MANUAL LIGHTING CONTROL AS INDICATED. REMOTE LIGHTING CONTROLS SHALL IDENTIFY WHERE LIGHTS ARE CONTROLLED AND ON/OFF STATUS. MANUAL CONTROLS FOR SPACES NOT COVERED IN C405.2.1 LISTED EXCEPTIONS SHALL INCLUDE PROVISION FOR 50% LIGHT REDUCTION.
2. AUTOMATIC TIME SWITCH CONTROL: PROVIDE PROGRAMMABLE TIME SWITCH WITH MANUAL OVERRIDE FOR AUTOMATIC CONTROL OF LIGHTING IN ALL AREAS OF THE BUILDING NOT CONTROLLED BY OCCUPANCY SENSORS. TIME SWITCH AND OVERRIDE CONTROL SHALL COMPLY WITH MINIMUM REQUIREMENTS OF C405.2.2.1.
3. OCCUPANCY SENSORS: PROVIDE OCCUPANCY SENSORS IN ALL CLASSROOMS, CONFERENCE/MEETING ROOMS, LUNCH AND BREAK ROOMS, PRIVATE OFFICES, RESTROOMS, WAREHOUSE AND STORAGE SPACES, JANITORIAL CLOSETS, AND OTHER SPACES 300 SQUARE FEET OR LESS OR BY C405.2.1.
4. SPECIFIC APPLICATION CONTROLS: PROVIDE DEDICATED CONTROL INDEPENDENT OF OTHER LIGHTING FOR THE FOLLOWING:
   A. MEANS OF EGRESS: PROVIDE AUTOMATIC CONTROL OF EGRESS LIGHTING BY MEANS OF OCCUPANCY SENSORS OR TIME CLOCK AS INDICATED. EMERGENCY LIGHTS TO HAVE UL924 RELAYS TO OVERRIDE CONTROL STATE UPON LOSS OF POWER.
   B. DISPLAY AND ACCENT LIGHTS: PROVIDE MANUAL CONTROL AS INDICATED.
5. MOTORS SHALL COMPLY WITH EFFICIENCY REQUIREMENTS OF C405.8, SEE MECHANICAL DOCUMENTS FOR MOTOR EFFICIENCY DATA.

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C. THOMAS URQUHART
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER

SIGNED
08-09-2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

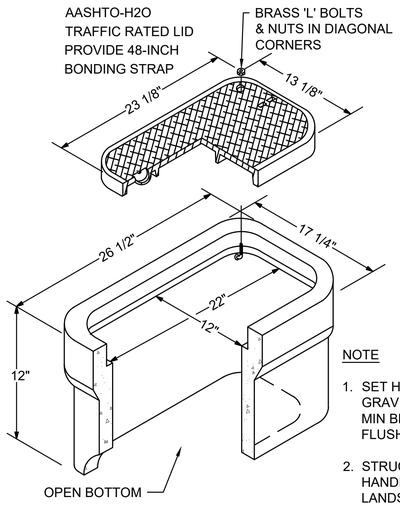
KITTITAS DEPOT
HISTORIC
PRESERVATION

ELECTRICAL
LEGEND & NOTES

E001

SCALE
AS SHOWN

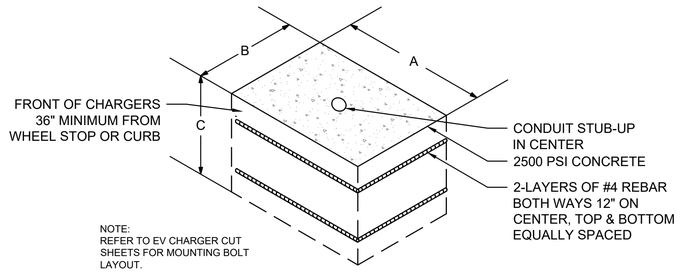
PARKS FILE#



NOTE

1. SET HANDHOLE ON 9" DEEP GRAVEL BASE EXTENDING 6" MIN BEYOND EACH SIDE. SET FLUSH WITH FINISHED GRADE.
2. STRUCTURAL PLASTIC HANDHOLE MAY BE USED IN LANDSCAPE AREAS.

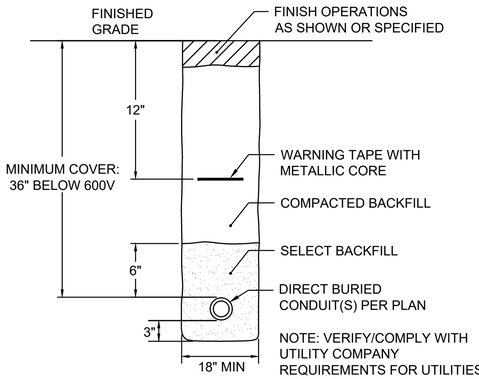
3 - HANDHOLE DETAIL



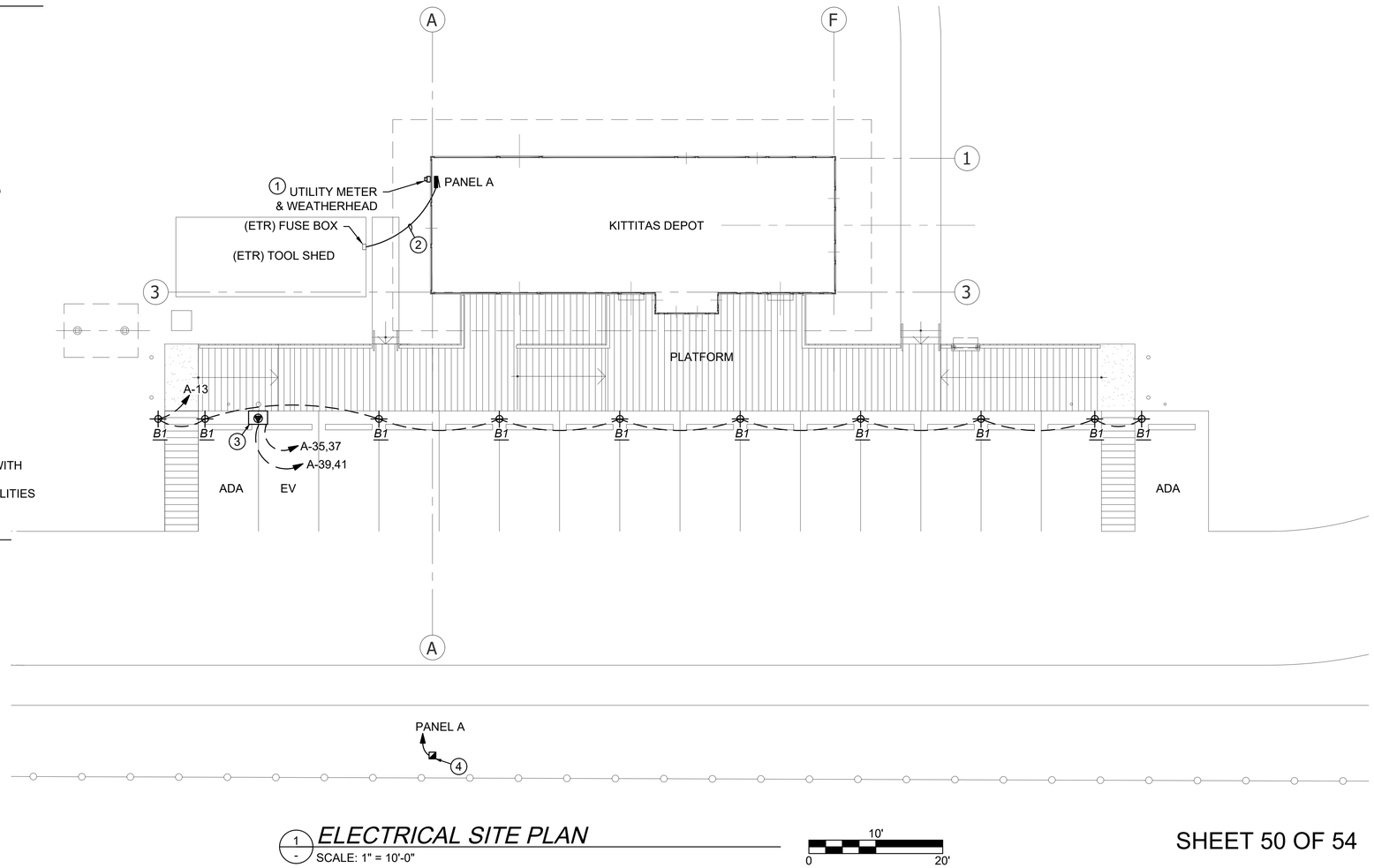
NOTE:
REFER TO EV CHARGER CUT SHEETS FOR MOUNTING BOLT LAYOUT.

EV CHARGER PAD DIMENSIONS			
CHARGER	A (W)	B (W)	C* (H)
LEVEL 2	24"	24"	24"
* = OR FROST LINE IF DEEPER			

4 - EV CHARGER BASE DETAIL



2 - ELECTRICAL TENCH DETAIL



1 - ELECTRICAL SITE PLAN

SCALE: 1" = 10'-0"

10' 0 20'

GENERAL NOTES:

1. REFER TO SHEET E001 FOR ADDITIONAL ELECTRICAL NOTES.
2. CONTRACTOR SHALL PROVIDE ALL TRENCHING, BEDDING, AND BACKFILL FOR ELECTRICAL UNDERGROUND CONDUIT.

PLAN NOTES:

1. EXISTING UTILITY METER, CONDUIT, AND WEATHERHEAD TO BE REPLACED WITH NEW PER PSE UTILITY REQUIREMENTS. SEE ONE-LINE DIAGRAM ON SHEET E501.
2. PROVIDE NEW OVERHEAD 20A BRANCH CIRCUIT TO EXISTING TOOL SHED.
3. ELECTRIC VEHICLE CHARGING STATION - LEVEL 2, DUAL PORT, BOLLARD MOUNT, SEE BASE DETAIL 4, THIS SHEET.
4. FUTURE FOOD TRUCK RECEPTACLE LOCATION. PROVIDE HANDHOLE AND 2" CONDUIT TO PANEL A. SEE HANDHOLE DETAIL 3, THIS SHEET.

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C. THOMAS URQUHART — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

SIGNED
08-09-2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT
HISTORIC
PRESERVATION

ELECTRICAL SITE
PLAN

E101

SCALE
AS SHOWN

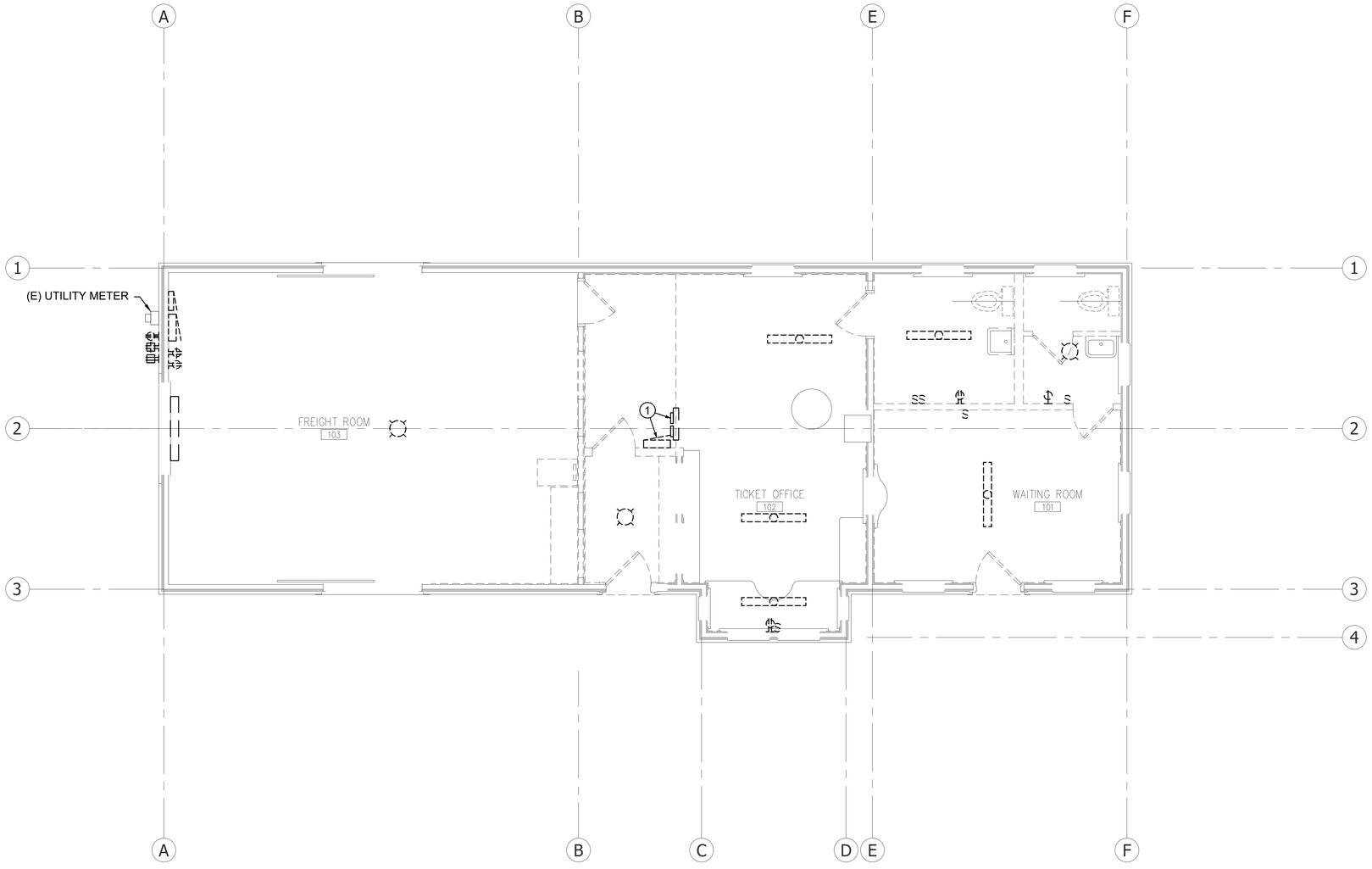
PARKS FILE#

PLAN NOTES:

1. EXISTING TELEPHONE SWITCHING EQUIPMENT TO BE SALVAGED. COORDINATE WITH OWNER ON RELOCATION OF EQUIPMENT.

GENERAL NOTES:

1. REFER TO SHEET E001 FOR ADDITIONAL ELECTRICAL NOTES.
2. ALL ELECTRICAL DEVICES, WIRING, CONDUIT, LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED. DEVICES SHOWN ARE BASED ON LIMITED FIELD OBSERVATIONS. CONTRACTOR TO VERIFY ALL DEVICES TO BE REMOVED IN THE FIELD.



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

4' 0 8'

SHEET 51 OF 54

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C. THOMAS URQUHART
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PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

ELECTRICAL DEMO PLAN

ED01

SCALE
AS SHOWN

PARKS FILE#

LUMINAIRE SCHEDULE

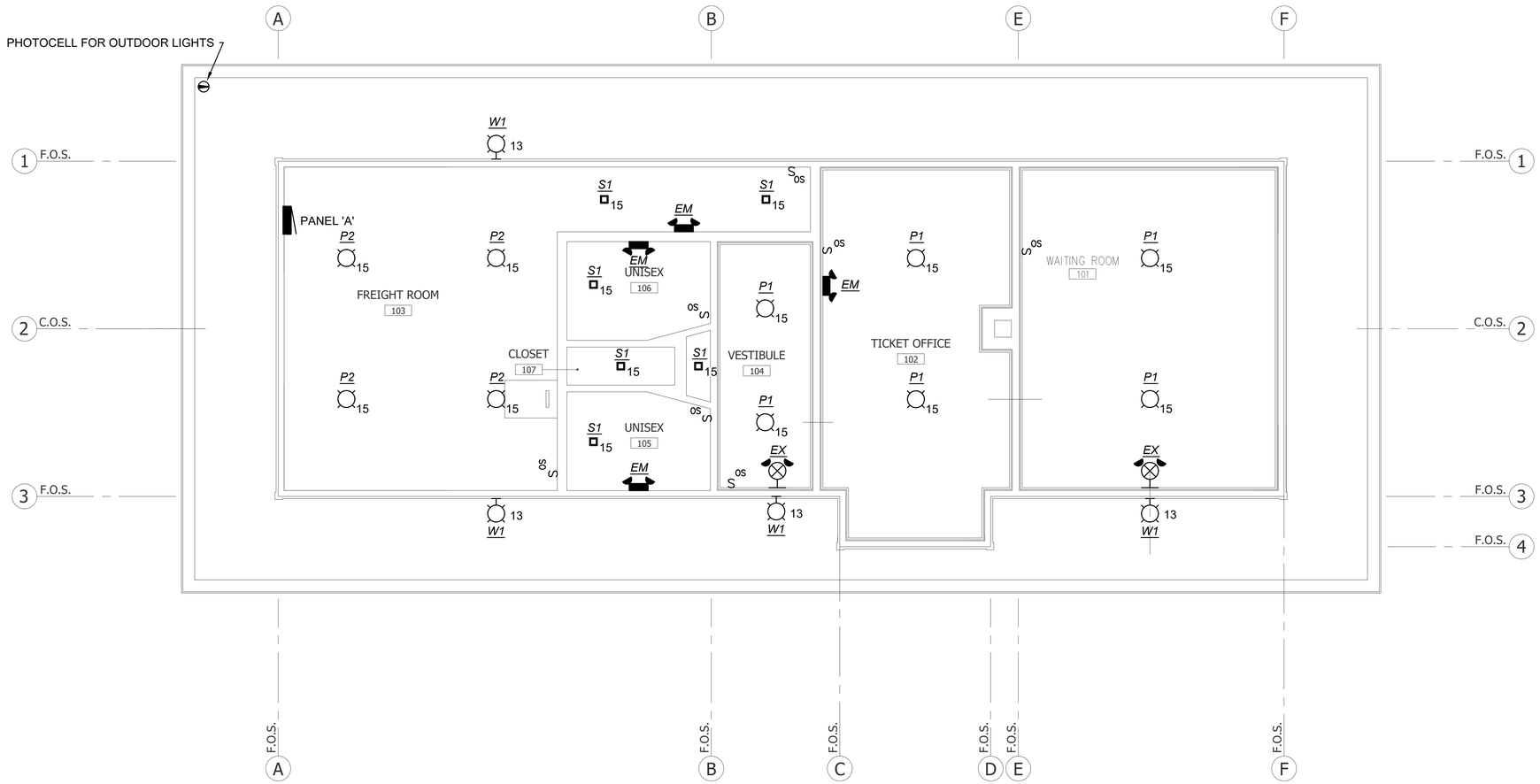
TYPE	DESCRIPTION	MANUFACTURER	LAMP	VOLTAGE	INPUT WATTS	BALLAST/ DRIVER	REMARKS
B1	LED BOLLARD SYSTEM. RATED FOR VEHICLE IMPACT, UNSHIELDED WITH SAFETY GUARD 360 DEGREE LIGHT	BEGA LIGHTING ROUND SYSTEM BOLLARD	LED 3000K 768 LM	120	30	0-10V	FINISH BY ARCHITECT. CONTROLED VIA PHOTO CELL WITH EXTERIOR FIXTURES
P1	SCHOOLHOUSE STYLE PENDANT FIXTURE, CHAIN MOUNT, OPAL OGEE SHADE	REJUVENATION ROSE CITY SERIES	LED BULB 2700K	120V	8	-	
P2	CEILING MOUNT DOME LIGHT, 12" STEM	STEEL LIGHTING CO. EAGLE ROCK SERIES	LED BULB 2700K	120V	8	-	
S1	4" RECESSED DOWNLIGHT, SQUARE	JUNO PODZ SERIES	LED 2700K 1200 LM	120V	15	0-10V	
W1	WALL MOUNT DOME LIGHT, 16" GOOSENECK	STEEL LIGHTING CO. HIGHLAND PARK SERIES	LED BULB 2700K	120V	8	-	
EM	WALL MOUNT LED EMERGENCY LIGHT, DAMP LOCATION, WHITE THERMOPLASTIC HOUSING	LITHONIA LIGHTING EU2L SERIES	LED	120/277	1	-	
EX	UNIVERSAL MOUNT, LED EMERGENCY EXIT SIGN WITH DUAL HEAD LAMPS, DAMP LOCATION, STENCIL FACEPLATE WITH GREEN LETERS, WHITE THERMOPLASTIC HOUSING	LITHONIA LIGHTING LHQM SERIES	LED	120/277	2	-	

LUMINAIRE SCHEDULE NOTES:

1. LED LUMENS ARE BASED ON TOTAL ILLUMINATION OUTPUT OF THE LUMINAIRE UNLESS OTHERWISE INDICATED.
2. VERIFY STEM, CHAIN, OR CABLE LENGTH WITH FIXTURE VENDOR AS REQUIRED TO ACCOMMODATE THE INDICATED MOUNTING HEIGHT MEASURED TO BOTTOM OF FIXTURE.
3. LED DRIVERS FOR LOW VOLTAGE DIMMING SHALL BE 0-10 VOLTS [DIGITAL SIGNAL DIMMING INTERFACE TYPE] UNLESS OTHERWIS INDICATED.

GENERAL NOTES:

1. REFER TO SHEET E001 FOR ADDITIONAL ELECTRICAL NOTES.
2. BRANCH CIRCUIT HOME RUNS ARE NOT INDICATED WITH LOCATION OR NUMBER OF CONDUCTORS AT ALL LOCATIONS. PROVIDE ALL BRANCH CIRCUIT CONDUCTORS/PATHWAYS AS REQUIRED FOR COMPLETE OPERATION OF ALL DEVICES/EQUIPMENT INDICATED. PROVIDE INDIVIDUAL NEUTRALS FOR EACH CIRCUIT. HOME RUN FROM CLOSEST DEVICE ON CIRCUIT TO SOURCE PANEL.
3. ALL EMERGENCY FIXTURES SHALL BE RATED FOR 90 MINUTES OF RUNTIME.
4. DO NOT TAKE MEASUREMENTS FROM PLANS FOR DEVICE LOCATIONS. FIELD VERIFY EXACT DEVICE EQUIPMENT, EQUIPMENT LOCATIONS & MOUNTING HEIGHTS WITH OWNER'S REPRESENTATIVE FOR PROPER INSTALLATION.



1 - *ELECTRICAL LIGHTING PLAN*
SCALE: 1/4" = 1'-0"

SHEET 52 OF 54

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

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C. THOMAS URQUHART — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

SIGNED
08-09-2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

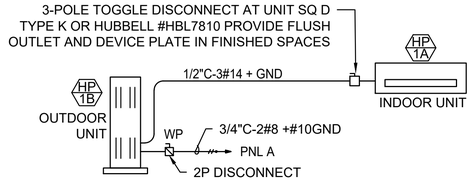
KITTITAS DEPOT HISTORIC PRESERVATION

ELECTRICAL LIGHTING PLAN

E201

SCALE
AS SHOWN

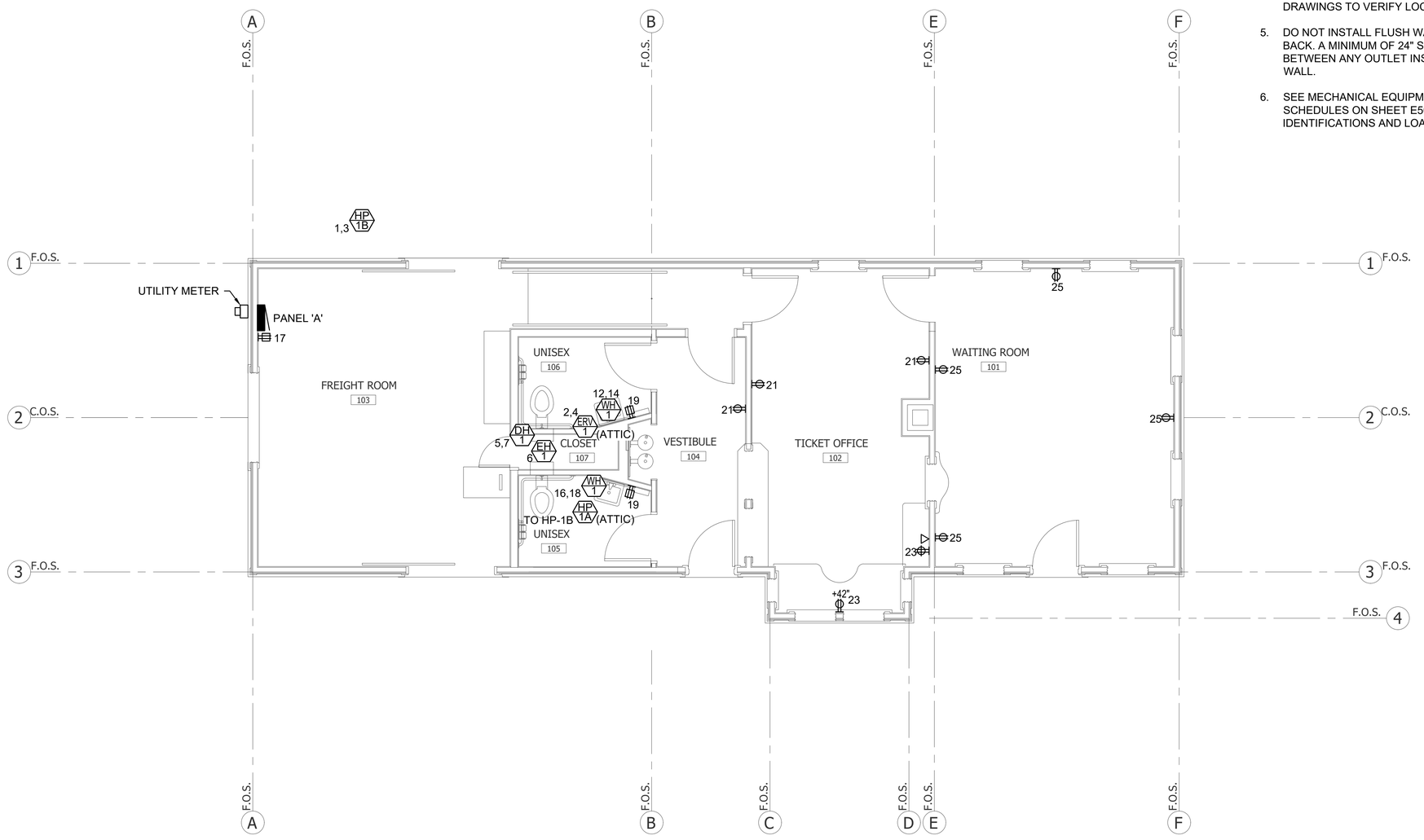
PARKS FILE#



2 - SPLIT SYSTEM HVAC CONNECTION DIAGRAM

GENERAL NOTES:

1. REFER TO SHEET E001 FOR ADDITIONAL ELECTRICAL NOTES.
2. BRANCH CIRCUIT HOME RUNS ARE NOT INDICATED WITH LOCATION OR NUMBER OF CONDUCTORS AT ALL LOCATIONS. PROVIDE ALL BRANCH CIRCUIT CONDUCTORS/PATHWAYS AS REQUIRED FOR COMPLETE OPERATION OF ALL DEVICES/EQUIPMENT INDICATED. PROVIDE INDIVIDUAL NEUTRALS FOR EACH CIRCUIT. HOME RUN FROM CLOSEST DEVICE ON CIRCUIT TO SOURCE PANEL.
3. DO NOT TAKE MEASUREMENTS FROM PLANS FOR DEVICE LOCATIONS. FIELD VERIFY EXACT DEVICE EQUIPMENT, EQUIPMENT LOCATIONS & MOUNTING HEIGHTS WITH OWNER'S REPRESENTATIVE FOR PROPER INSTALLATION.
4. INCLUDE COST OF PROVIDING ALL ELECTRICAL CONNECTIONS AS REQUIRED FOR FULL OPERATION OF ALL OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT. SEE ARCHITECTURAL DRAWINGS TO VERIFY LOCATIONS.
5. DO NOT INSTALL FLUSH WALL OUTLETS BACK TO BACK. A MINIMUM OF 24" SEPARATION IS REQUIRED BETWEEN ANY OUTLET INSTALLED ON FIRE RATED WALL.
6. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULES ON SHEET E501 FOR CIRCUIT IDENTIFICATIONS AND LOAD INFORMATION.



1 - ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"

4' 0 8'

SHEET 53 OF 54

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JM	
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C. THOMAS URQUHART
STATE OF WASHINGTON
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08-09-2024

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WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

ELECTRICAL POWER PLAN

E301

SCALE
AS SHOWN

PARKS FILE#

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

NAME	DESCRIPTION	MAXIMUM RATINGS						(CU) FEEDER	DISCONNECT		CONTROLS		REMARKS
		HP	KVA	FLA	MCA	MOCP	VOLT/PH	#12 EACH PHASE + NEUTRAL +GND, UNO.	BY	DESCRIPTION	STARTER BY	DESCRIPTION	
HP-1A/B	HEAT PUMP - SPLIT		6.82	28.4	34.4	35	240 1	3/4"C-2#8 + #10G	●	60A/2P			INDOOR UNIT FED FROM OUTDOOR UNIT
ERV-1	DOAS UNIT		0.50	2.1	2.6	15	240 1	3/4"C-2#12 + #12G	●	TOGGLE			
DH-1	DUCT HEATER		2.50	10.4	13.0	15	240 1	3/4"C-2#12 + #12G	●	TOGGLE			
EH-1	ELECTRIC HEATER		1.50	12.5	15.6	20	120 1	3/4"C-2#12 + #12G	●	TOGGLE			
WH-1	WATER HEAER		4.80	20.0	25.0	30	240 1	3/4"C-2#10 + #10G	●	TOGGLE			MULTIPLE LOCATIONS (SEE PLANS)

EQUIPMENT CONNECTION SCHEDULE NOTES:

1. VERIFY VOLTAGE, PHASE, FLA/MCA OF EACH CONNECTION WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. NOTIFY ARCHITECT/ENGINEER WHEN SCHEDULED SUPPLY WILL NOT MEET NEC REQUIREMENTS.

2. OUTLETS, DISCONNECTS, CONTROLLERS, AND EQUIPMENT CONNECTIONS FOR ROOF TOP AND OTHER OUTDOOR EQUIPMENT SHALL BE WEATHER PROOF.

3. LOCATION OF OUTLETS, DISCONNECTS, CONTROL DEVICES, AND EQUIPMENT CONNECTIONS ARE DIAGRAMMATIC AND TO BE LOCATED IN FIELD BY THE CONTRACTOR AS APPROVED BY THE ENGINEER. UNLESS OTHERWISE INDICATED ON PLANS, INSTALL SCHEDULED DISCONNECTS AND CONTROL DEVICES IN SIGHT OF EQUIPMENT. ARRANGE WIRING AND EQUIPMENT TO AVOID INTERFERENCE WITH OTHER WORK AND TO MAXIMIZE ACCESSIBILITY FOR MAINTENANCE AND REPAIRS.

4. COORDINATE WITH THE OTHER INSTALLING CONTRACTORS TO ENSURE NEC REQUIRED ACCESS TO DISCONNECTS IS PROVIDED FOR EACH PIECE OF EQUIPMENT.

5. PROVIDE SMOKE DUCT DETECTORS IN HEATING AND COOLING SYSTEMS PER INTERNATIONAL MECHANICAL CODE. SEE DIVISION 25 EQUIPMENT SCHEDULES FOR ADDITIONAL UNITS RATED OVER 2000 CFM AND PROVIDE DUCT DETECTOR AS REQUIRED.

6. WIRING BETWEEN EQUIPMENT DISCONNECT AND POINT OF CONNECTION SHALL COMPLY WITH NEC BASED ON EQUIPMENT NAMEPLATE RATING EXCEPT MINIMUM BRANCH CIRCUIT RATING SHALL BE 20 AMPERES.

7. SIZE OF DISCONNECT SWITCH AND MOTOR STARTER SHALL BE SIZED TO COMPLY WITH NEC REQUIREMENTS. WHERE INDICATED MOTOR CONTROL IS NOT LOCATED IN SIGHT OF MOTOR AS DEFINED BY NEC, PROVIDE ADDITIONAL DISCONNECTING MEANS TO COMPLY WITH NEC 430.102.

8. WIRING SIZES ARE BASED ON 60 DEGREE C. FOR AMPACITIES 100 AMPERES AND LESS. FOR FEEDERS LESS THAN 100 FEET IN LENGTH, CONDUCTOR SIZES MAY BE SELECTED BASED ON 75 DEGREE C. WHERE EQUIPMENT INSTALLED IS LABELED FOR 75 DEGREE C. WIRING.

9. SCHEDULE LEGEND:
   - ● = FURNISH AND INSTALL NEW UNDER DIVISION 26
   - ○ = INSTALL UNDER DIVISION 26; FURNISHED WITH EQUIPMENT OR BY OTHERS.
   - X = FURNISH AND INSTALL BY OTHERS (NOT DIVISION 26)
   - * = EXISTING, RELOCATED EQUIPMENT

NEW SINGLE PHASE PANEL SCHEDULE

A
GRID

VOLTAGE: 240/120 3W | RATING: 400 A | MAIN: BKR

ENCLOSURE: FLUSH; X SURFACE; X NEMA TYPE 1; NEMA TYPE 3R; NEMA TYPE 12

ACCESSORIES: ISOLATED GROUND; SPD; 200% NEUTRAL; FEED THRU LUGS; DOUBLE LUGS

AIC ASSEMBLY: X SERVICE RATED; SERIES RATED; 10K; 25K; 42K

SECTION: 1 OF 1
LOCATION:

DESCRIPTION	*	VA	BKR	CKT	A	B	CKT	BKR	VA	*	DESCRIPTION
HP-1A/B		3408	35/2	1	3658		2	15/2	250		ERV-1
-		3408		3		3658	4		250		-
DH-1		1250	15/2	5	2750		6	20/1	1500		EH-1
-		1250		7		1250	8	15/2			SPARE
SPARE			30/2	9	0		10				-
-				11		2400	12	30/2	2400		WATER HEATER
EXTERIOR BUILDING LIGHTS		378	20/1	13	2778		14		2400		
INTERIOR LIGHTS		144	20/1	15		2544	16	30/2	2400		WATER HEATER
REC BELOW PANEL		180	20/1	17	2580		18		2400		
REC - BATHROOMS		360	20/1	19		360	20	50/2			FOOD TRUCK RECEPTACLE (FUTURE)
REC - VESTIBULE, TICKET OFFICE		540	20/1	21	540		22				
REC - TICKET OFFICE		540	20/1	23		540	24	50/2			FOOD TRUCK RECEPTACLE (FUTURE)
REC - WAITING		720	20/1	25	720		26				
TOOL SHED		500	20/1	27		500	28	40/2			EV CHARGER (FUTURE)
HEAT TRACE		1000	20/1	29	1000		30				
SPARE			20/1	31		0	32	40/2			EV CHARGER (FUTURE)
SPARE			20/1	33	0		34				
EV CHARGER		3600	40/2	35		3600	36	40/2			EV CHARGER (FUTURE)
		3600		37	3600		38				
EV CHARGER		3600	40/2	39		3600	40	40/2			EV CHARGER (FUTURE)
		3600		41	3600		42				
BREAKER CODE:					21226		18452	VA	A		
A=AFCI, G=GFCI, N=SWITCHED NEUTRAL, S=SHUNT TRIP								VA			
K=KEYED, P=PADLOCK ATTACHMENT								VA			
					21226		18452	VA SUB-TOTAL			

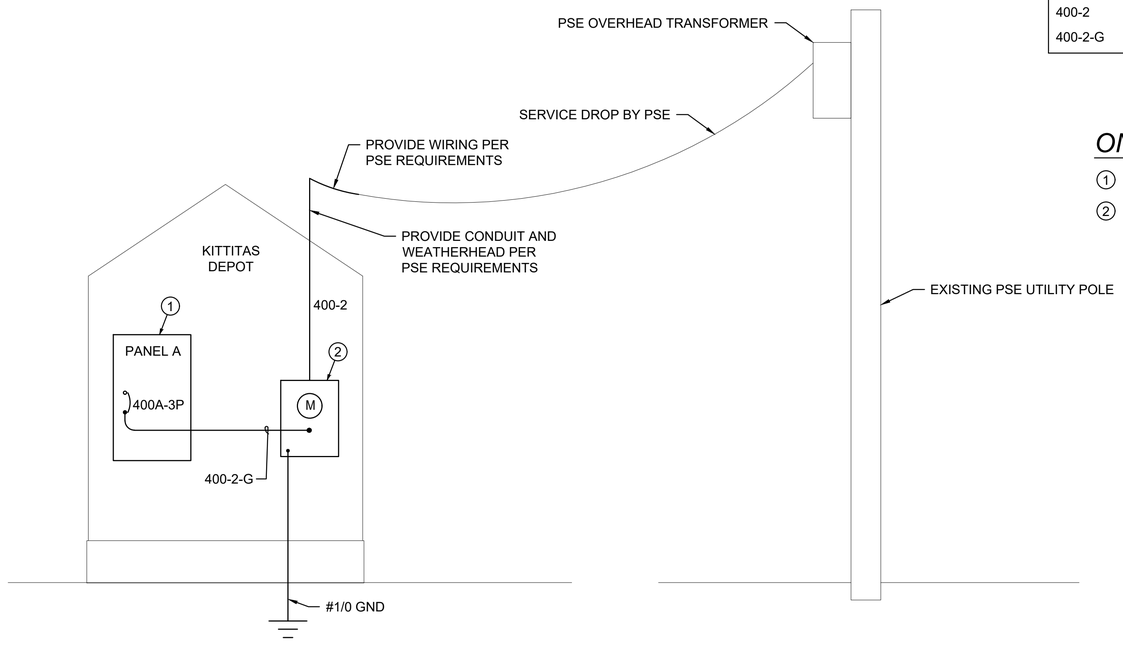
CODE	KVA			KVA
LIGHTING	0.5	X	125%	0.7
RECEPTACLES	2.8	X	100%	2.8
RECEPTACLES OVER 10K		X	50%	
MOTORS	0.5	X	100%	0.5
LARGEST MOTOR	6.8	X	125%	8.5
KITCHEN		X	100%	
NONCOINCIDENT		X	0%	
REMAINDER	14.6	X	100%	14.6
EV CHARGER	14.4	X	125%	18.0

TOTAL LOAD	KVA	AMPS
CONNECTED	39.7	165.3
CALCULATED	45.1	188.0

* REMARKS

FEEDER SCHEDULE
(BASED ON CU CONDUCTORS)

CALL OUT	DESCRIPTION
400-2	(2) 2"C-3#3/0
400-2-G	(2) 2"C-3#3/0 +#6 GND



ONE-LINE DIAGRAM BUBBLE NOTES:

1. 400A, 120/240V-1Ø, PANEL, SERVICE ENTRANCE RATED
2. METER BASE PER PSE REQUIREMENTS

1/- ELECTRICAL ONE-LINE DIAGRAM

CAD NO.

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	JM	
DRAWN	JM	
CHECKED (FIELD)		
CHECKED (HDQTS.)		

C. THOMAS URQUHART — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

SIGNED
08-09-2024

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

KITTITAS DEPOT HISTORIC PRESERVATION

ELECTRICAL ONE-LINE DIAGRAM

E501

SCALE
AS SHOWN

PARKS FILE#