JAMESTOWN S'KLALLAM TRIBE

OUTPATIENT CLINIC

PERMIT SET

EXTERIOR PERSPECTIVE

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NUMBER OF SHEETS: 97

PROJECT INFORMATION

PARCEL NUMBER 03-30-19-33-0000

LEGAL DESCRIPTION N2SWSW SURV V64 P78

PROJECT TYPE NEW CONSTRUCTION

CONSTRUCTION TYPE TYPE VB, FULLY SPRINKLERED

PROJECT SCOPE NEW SINGLE STORY OUTPATIENT CLINIC (16,953 GSF). PROJECT WILL INCLUDE A MED-ASSISTED THERAPY (MAT), A PRIMARY CARE AND A DENTAL CLINIC. OTHER SUPPORT SPACES WILL INCLUDE ADMINISTRATION AREAS, LOBBY AREAS, AND COUNSELLING ROOMS.

DEFERRED SUBMITTALS N/A

RELATED PERMITS N/A

PROJECT DESCRIPTION

THIS PROJECT IS A 17,093 SQ. FT. OUTPATIENT CLINIC DESIGNED TO PROVIDE A WIDE RANGE OF ADDICTION TREATMENT SERVICES TO THOSE IN THE LOCAL AND SURROUNDING SEQUIM COMMUNITY. THE BUILDING WILL ALSO OFFER CHILDCARE AND PROVIDE SOCIAL SERVICES TO PATIENTS TO HELP FACILITATE THEIR RECOVERY. WITHIN THE NEW BUILDING THERE WILL BE FOUR MAIN SERVICES OFFERED TO PATIENTS. THREE EXAM ROOMS, INCLUDING ONE FOR BARIATRIC PATIENTS, WILL BE AVAILABLE TO PROVIDE PRIMARY CARE SERVICES. TWELVE COUNSELING ROOMS AND FOUR LARGE GROUP ROOMS THAT CAN OPEN TO THE EXTERIOR ARE INCLUDED TO PROVIDE AN IDEAL ENVIRONMENT FOR A RANGE OF SOCIAL SERVICES. THREE OPERATORIES AND X-RAY IMAGING EQUIPMENT ARE WITHIN THE BUILDING FOR PROVIDING DENTAL SERVICES AND A PHARMACY AND THREE INDIVIDUAL CLINICAL DOSING ROOMS ARE DESIGNED TO PROVIDE CARE FOR PATIENTS IN NEED OF METHADONE ASSISTED TREATMENT. IN ADDITION TO THESE SPACES, THERE WILL BE A CHILD WATCH AREA WITH A STAFF MEMBER TO CARE FOR THE CHILDREN OF THE PATENTS DURING THE CLINICAL TREATMENT THEY REQUIRE. BEYOND THE SPACES FOR PATIENT CARE THE BUILDING INCLUDES A LARGE CONFERENCE ROOM, OFFICES AND ALL THE NECESSARY ADMINISTRATIVE AND SUPPORT SPACES REQUIRED TO OPERATE THE FACILITY.

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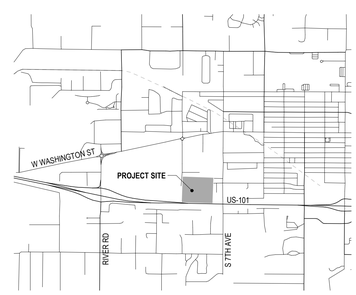
VICINITY MAP



VICINITY MAP - ENLARGED

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PROJECT # 2018136.01

PERMIT SET

ISSUE DATE JAN. 10, 2020

REVISION SCHEDULE

COVER SHEET, DRAWING INDEX & GENERAL PROJECT INFORMATION

SHEET #
A00.01

ABBREVIATIONS

-- A --	
A	AMP
A/V	AUDIO VISUAL
AB	ANCHOR BOLT
ACC	ACCESSORIES
ACST	ACOUSTIC(AL)
ACT	ACOUSTIC CEILING TILE
ADJ	ADJACENT, ADJUST(ABLE)
AFF	ABOVE FLOOR FINISH
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATELY
ARCH	ARCHITECT(URAL)
AUTO	AUTOMATIC
-- B --	
BATH	BATHROOM
BD	BOARD
BED	BEDROOM
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BTWN	BETWEEN
BUR	BUILT UP ROOF(ING)
-- C --	
CAB	CABINET
CALC	CALCULATION
CB	CATCH BASIN, CORNER BEAD
CEM	CEMENT
CFOI	CONTRACTOR FURNISHED & OWNER INSTALLED
CG	CORNER GUARD
CH	COAT HOOK
CIP	CAST IN PLACE
CJ	CONTROL JOINT, CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECT(ION)
CONSTR	CONSTRUCTION
CONT	CONTINUE, CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CP	CEMENT PLASTER
CPT	CARPET
CRL	CHAIR RAIL
CS	CONCRETE SEALER
CSMT	CASEMENT
CTR	CENTER
-- D --	
D	DEEP, DRYER
DBL	DOUBLE
DEB	DRY ERASE BOARD
DEMO	DEMOLISH(ED), DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPOSAL
DL	DEAD LOAD
DN	DOWN
DP	DECORATIVE PANEL
DR	DOOR, DINING ROOM, DRAIN
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
-- E --	
E	EAST
EA	EACH
EC	EDGE OF CURB
EE	EACH END
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSE(D), ENCLOSURE
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE(D)
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED, EXPANSION
EXT	EXTERIOR
-- F --	
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDTN	FOUNDATION
FDV	FIRE DEPARTMENT VALVE
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH, FINISH FACE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK, FIRE HOSE REEL
FILM	SPECIALTY FILM
FIN	FINISH(ED)
FIXT	FIXTURE
FLASH	FLASHING
FLR	FLOOR
FLUOR	FLUORESCENT
FMF	FLEXIBLE MEMBRANE FLASHING
-- F CONTINUED --	
FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FPL	FIREPLACE
FRP	FIBER REINFORCED PLASTIC
FRTW	FIRE RETARDANT TREATED WOOD
FRZ	FREEZER
FS	FULL SIZE
FT	FOOT, FEET
FTG	FOOTING
FURN	FURNITURE
-- G --	
G	GROUND
GA	GAUGE
GALV	GALVANIZED
GAR	GARAGE
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERAL
GFRG	GLASS REINFORCED PLASTER, GLASS FIBER REINFORCED GYPSUM
GI	GALVANIZED IRON
GL	GLASS, GLAZING
GLULAM	GLUE LAMINATED
GR	GROSS
GT	GROUT
GWB	GYPSUM WALL BOARD
-- H --	
H	HIGH, HEIGHT
HB	HOSE BIB
HC	HOLLOW CORE
HDR	HEADER
HDW	HARDWARE
HGR	HANGER
HM	HOLLOW METAL
HRL	HANDRAIL
HORIZ	HORIZONTAL
HR	HOURS
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HWT	HOT WATER TANK
-- I --	
IIC	IMPACT INSULATION CLASS
IN	INCH(ES)
INC	INCREASE
INCL	INCLUDE(ID), INCLUDING
INFO	INFORMATION
INSTL	INSTALL(ATION)
INSUL	INSULATION
INT	INTERIOR
-- J --	
JAN	JANITOR
JBOX	JUNCTION BOX
JT	JOINT
-- K --	
KD	KILN DRIED
KIT	KITCHEN
KW	KILOWATT
-- L --	
L	LEFT, LINEN, LONG
LAB	LABORATORY
LAM	LAMINATE(D)
LAU	LAUNDRY
LAV	LAVATORY
LB(S)	POUND(S)
LDG	LANDING
LINO	LINOLEUM
LL	LIVE LOAD
LOC	LOCATION
LPT	LOW POINT
LR	LIVING ROOM
LRG	LARGE
LT	LIGHT
LTG	LIGHTING
LVR	LOUVER
-- M --	
M/S	MIRROR & SHELF
MACH	MACHINE
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MBR	MASTER BEDROOM
MC	MEDICINE CABINET
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANIC(AL)
MED	MEDIUM
MEDS	MEDICINE, MEDICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MFRREC	MANUFACTURER'S RECOMMENDATION(S)
MGR	MANAGER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING, MONITOR
MTD	MOUNTED
MTL	METAL
MULL	MULLION
MULT	MULTIPLE
MW	MICROWAVE OVEN
-- N --	
N	NORTH
NA	NOT APPLICABLE
NC	NOISE CRITERIA, NURSE CALL
NCAP	NURSE CALL ANNUNCIATOR PANEL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
-- O --	
O/	OVER
OA	OVERALL
OC	ON CENTER
OCC	OCCUPANTS, OCCUPANT LOAD, OCCUPANCY
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED & CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED & OWNER INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OGL	OBSCURE GLASS
OH	OVERHEAD
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
OZ	OUNCE
-- P --	
P	PAINT(ED), PANTRY
PC	PORTLAND CEMENT
PCC	PRECAST CONCRETE
PED	PEDESTAL
PERF	PERFORATED
PERM	PERMANENT
PERP	PERPENDICULAR
PFP	PREPARED FOR PAINT
PIV	POST INDICATOR VALVE
PL	PLATE, PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLYWD	PLYWOOD
PMTL	PAINTED METAL
PNT	POINT
PP	POWER POLE
PR	PAIR
PREFAB	PREFABRICATE
PRELIM	PRELIMINARY
PRKG	PARKING
PROP	PROPERTY
PS	PROJECTOR SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESERVATIVE TREATED, PRESSURE TREATED, POST TENSIONED
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PVC	POLYVINYL CHLORIDE, POLYVINYL CHLORIDE PIPE
PVD	PROVIDE
PVG	PAVING
PVR	PAVERS
-- Q --	
QTY	QUANTITY
QTZ	QUARTZ
-- R --	
R	RISER, RADIUS
R/S	ROD & SHELF
RA	RETURN AIR
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REC	RECESSED
RECPT	RECEPTACLE
REF	REFERENCE, REFRIGERATOR
REINF	REINFORCE(D), REINFORCING
RES	RESILIENT
REQD	REQUIRED
REST	RESTROOM
RET	RETAINING
REV	REVISED, REVISION
RF	RAISED FLOOR(ING)
RH	ROBE HOOK
RM	ROOM
RO	ROUGH OPENING
RP	RADIUS POINT
RS	ROUGH SAWN
RT	RIGHT
RVL	REVEAL
-- S --	
S	SOUTH, SINK
SAN	SANITARY
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SD	SOAP DISH, SOAP DISPENSER, STORM DRAIN
SEAL	SEALER, SEALANT
SECT	SECTION
SEP	SEPARATION
SF	SQUARE FEET
SG	SAFETY GLASS, SAFETY GLAZING
SHR	SHOWER
SHT	SHEET
SHTG	SHEATHING, SHEETING
SHLV	SHELVING
SIM	SIMILAR
SM	SHEET METAL
SND	SANITARY NAPKIN DISPOSAL
SOG	SLAB ON GRADE
SOL	SOLID SURFACE
STO	STONE
SPEC	SPECIFICATION(S)
SPKLR	SPRINKLER
SPKR	SPEAKER
SQ	SQUARE
SQIN	SQUARE INCH
SS	SERVICE SINK, SANITARY SEWER
SST	STAINLESS STEEL
ST	STREET, STAIN
STA	STATION
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SU	SOILED UTILITY
SUBFL	SUBFLOOR
SUSP	SUSPENDED
SW	SWITCH
SYM	SYMMETRICAL
-- T --	
T	TREAD, TILE
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TB	TOWEL BAR
TEL	TELEPHONE
TEMP	TEMPORARY, TEMPERATURE
TER	TERRAZZO
THK	THICK(NESS)
TI	TENANT IMPROVEMENT
TL	TOTAL LOAD
TMPD	TEMPERED
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CURB, TOP OF CONCRETE
TOF	TOP OF FOOTING, TOP OF FLOOR, TOP OF FRAME
TOS	TOP OF SLAB, TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TR	TRANSITION STRIP
TV	TELEVISION
TYP	TYPICAL
-- U --	
UC	UNDERCOUNTER, UNDERCABINET, UNDERCUT
UGND	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UP	UTILITY POLE
UTIL	UTILITY
-- V --	
V	VOLT(AGE)
VCT	VINYL COMPOSITION TILE
VEH	VEHICLE
VEND	VENDING MACHINE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VNR	VENEER
VTO	VENT TO OUTSIDE
VTR	VENT THROUGH ROOF
-- W --	
W	WEST, WIDE, WASHING MACHINE
W/	WITH
W/D	WASHER & DRYER
W/O	WITHOUT
WB	WALL BASE
WC	WATER CLOSET, WALL COVERING
WCO	WINDOW COVERING
WD	WOOD
WF	WIDE FLANGE
WH	WATER HEATER
WIC	WALK-IN CLOSET
WIN	WINDOW
WM	WIRE MOLD, WATER METER, WIRE MESH
WO	WALK-OFF FLOORING
WP	WORK POINT, WATERPROOFING, WEATHERPROOF
WPM	WATERPROOF MEMBRANE
WR	WATER REPELLENT, WATER RESISTANT
WRB	WATER RESISTANT BARRIER
WSCT	WAINSCOT
WRC	WASTE RECEPTACLE
WT	WEIGHT
WWF	WELDED WIRE FABRIC
-- ASSOCIATIONS & CODES --	
AISI	AMERICAN IRON AND STEEL INSTITUTE
AMCA	AIR MOVING & CONDITIONING ASSOCIATION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APWA	AMERICAN PUBLIC WORKS ASSOCIATION
ARIB	ASPHALT ROOFING INDUSTRY BUREAU
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
AWI	AMERICAN WOODWORK INSTITUTE
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORKS ASSOCIATION
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CS	COMMERCIAL STANDARD OF THE US DEPARTMENT OF COMMERCE
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
FGI	FACILITY GUIDELINES INSTITUTE
FGMA	FLAT GLASS MARKETING ASSOCIATION
GA	GYPSUM ASSOCIATION
HUD	US DEPARTMENT OF HEALTH & URBAN DEVELOPMENT
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
IEEE	INSTITUTE OF ELECTRICAL & ELECTRONIC ENGINEERS
IFC	INTERNATIONAL FIRE CODE
IMC	INTERNATIONAL MECHANICAL CODE
IRC	INTERNATIONAL RESIDENTIAL CODE
IPCEA	INSULATED POWER CABLE ENGINEER ASSOCIATION
MLA	METAL LATH ASSOCIATION
NAAMM	NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS
NEMA	NATIONAL FIRE PROTECTION ASSOCIATION
NWMA	NATIONAL WOODWORK MANUFACTURER'S ASSOCIATION
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
PS	PRODUCT STANDARD OF US DEPARTMENT OF COMMERCE
SDI	STEEL DECK INSTITUTE, STEEL DOOR INSTITUTE
SMACNA	SHEET METAL & AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SSPC	STEEL STRUCTURES PAINTING COUNCIL
TCA	TILE COUNCIL OF AMERICA
UL	UNDERWRITER'S LABORATORIES
UPC	UNIFORM PLUMBING CODE
WAC	WASHINGTON ADMINISTRATIVE CODE
WISHA	WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT
WSDOH	WASHINGTON STATE DEPARTMENT OF HEALTH
WSDSHS	WASHINGTON STATE DEPARTMENT OF SOCIAL & HEALTH SERVICES
WSEC	WASHINGTON STATE ENERGY CODE
WSVIAQC	WASHINGTON STATE VENTILATION & INDOOR AIR QUALITY CODE
WWPA	WESTERN WOOD PRODUCTS ASSOCIATION

DRAWING LEGEND

--ANNOTATIONS--

NORTH ARROW
GRID LINE
MATCH LINE
ELEVATION DATUM
SPOT ELEVATION
BREAK LINE
REVISION CLOUD W/ TAG

--VIEW REFERENCE--

BUILDING SECTION
WALL SECTION, VERTICAL SHAFT / CHASE
DETAIL SECTION
EXTERIOR ELEVATION
INTERIOR ELEVATION
ENLARGED VIEW, DETAIL VIEW

--TAGS--

KEYNOTE
WALL TAG
DOOR TAG
WINDOW TAG
STOREFRONT TAG
CURTAIN WALL TAG
GLAZING TAG
LIGHTING TAG
FINISH TAG
FURNITURE/ EQUIPMENT TAG

--LINEWORK--

CONSTRUCTION PHASE

EXISTING ELEMENT TO REMAIN
DEMOLITION ELEMENT
NEW CONSTRUCTION ELEMENT

LINE STYLES

BATT INSULATION
CENTERLINE
CLEARANCES
HIDDEN ELEMENT
OPENING BEYOND
OVERHEAD ELEMENT
PROPERTY LINE

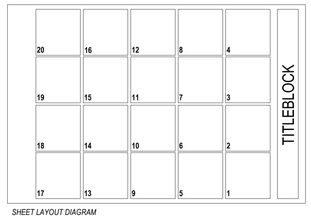
HATCH PATTERNS

OUT OF SCOPE
CONCRETE
EARTH BELOW GRADE
GRAVEL
GYPSUM BOARD
MASONRY, BRICK (PLAN VIEW)
MASONRY, CMU (PLAN VIEW)
METAL, ALUMINUM
METAL, STEEL
RIGID INSULATION
WOOD

DRAWING ORGANIZATION

SHEET LAYOUT

1. DETAIL NUMBERS MAY FOLLOW A NUMBERING SEQUENCE SIMILAR TO DIAGRAM BELOW.
2. DETAIL NUMBERS MAY SKIP WHEN A DETAIL FALLS WITHIN MULTIPLE CELLS.



SHEET LAYOUT DIAGRAM

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275 FIFTH STREET, SUITE 100
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6324 REGISTERED ARCHITECT
GREGORY A. BELDING
STATE OF WASHINGTON

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PROJECT # 2018136.01

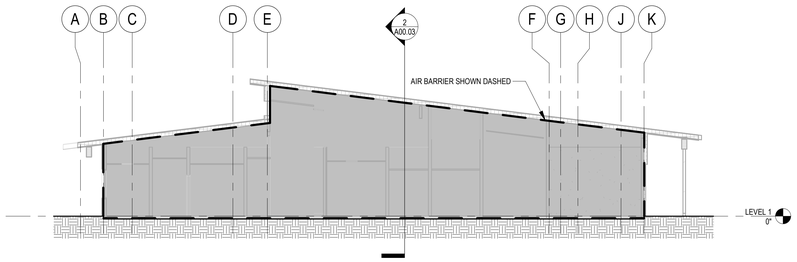
PERMIT SET

ISSUE DATE JAN. 10, 2020

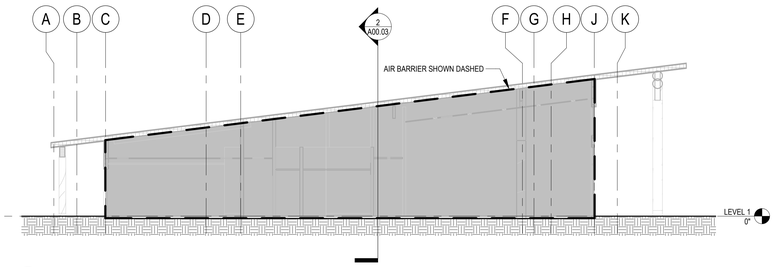
REVISION SCHEDULE

GENERAL INFORMATION

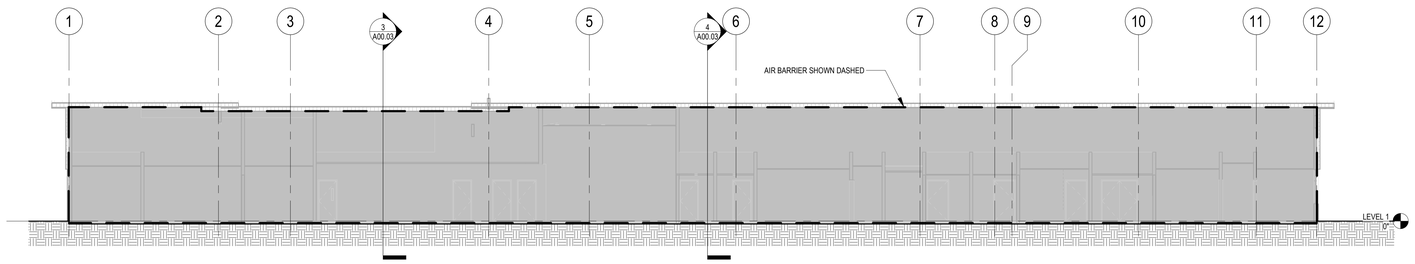
SHEET #
A00.02



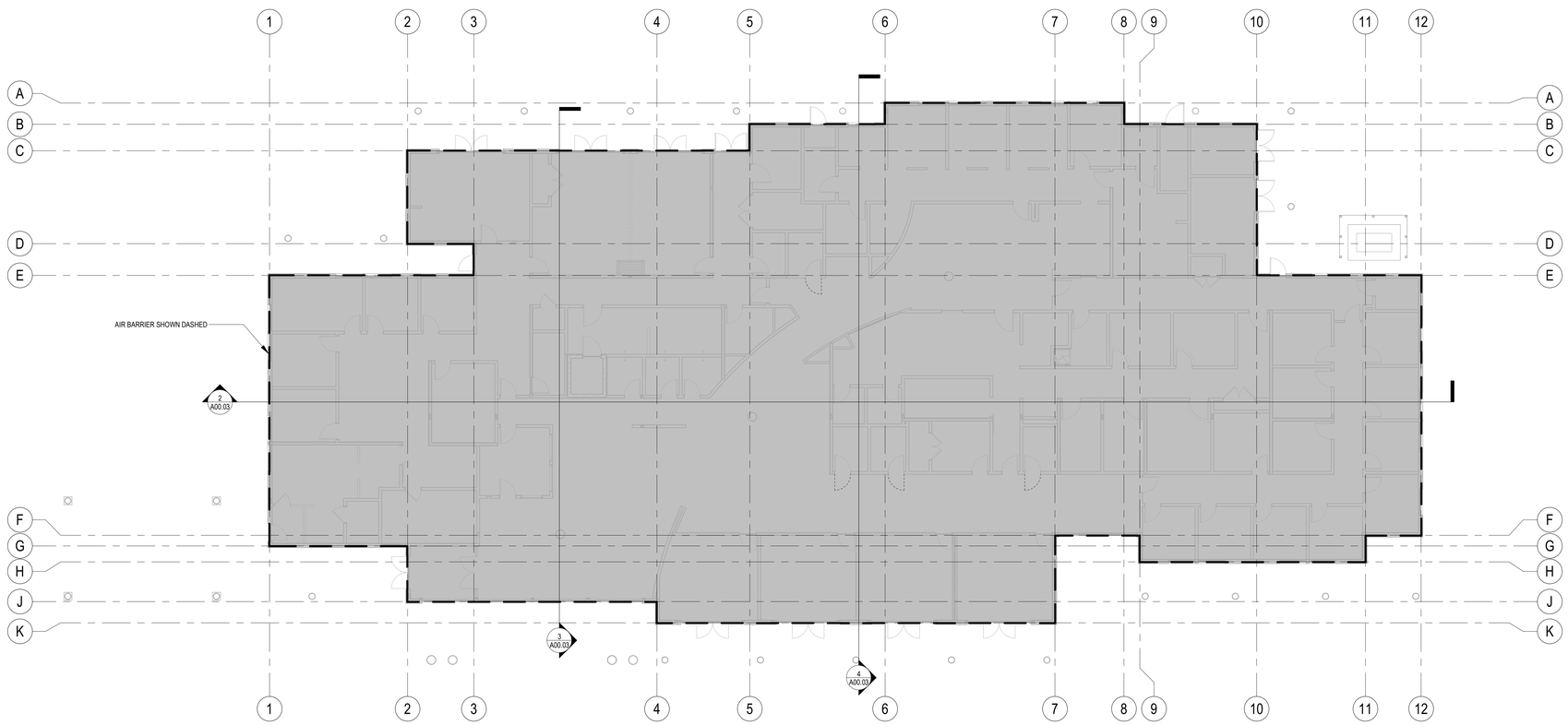
4 AIR BARRIER SECTION 2
3/32" = 1'-0"



3 AIR BARRIER SECTION 1
3/32" = 1'-0"



2 AIR BARRIER SECTION 3
3/32" = 1'-0"



N 1 AIR BARRIER PLAN - LEVEL 1
3/32" = 1'-0"

2015 WASHINGTON STATE ENERGY CODE (WSEC)

CONTINUOUS AIR BARRIER

A CONTINUOUS AIR BARRIER SHALL BE PROVIDED THROUGHOUT THE BUILDING THERMAL ENVELOPE. SEE OUTLINE AND SHADED AREA OF BUILDING THERMAL ENVELOPE IN THE FLOOR PLANS AND BUILDING SECTIONS BELOW. THE CONTINUOUS AIR BARRIER SHALL BE CONSTRUCTED TO COMPLY WITH THE FOLLOWING:

1. THE AIR BARRIER SHALL BE CONTINUOUS FOR ALL THERMAL ENVELOPE ASSEMBLIES AND ACROSS THE JOINTS AND ASSEMBLIES.
2. AIR BARRIER JOINTS, SEAMS AND PENETRATIONS SHALL BE SEALED, CAULKED AND/OR GASKETED AS APPROPRIATE WITH COMPATIBLE MATERIALS.
3. AIR BARRIERS AND SEALING MATERIALS SHALL BE SECURELY INSTALLED SO AS NOT TO DISLODGE, LOOSEN OR OTHERWISE IMPAIR ITS ABILITY TO RESIST POSITIVE AND NEGATIVE PRESSURE FROM WIND, STACK EFFECT, AND MECHANICAL VENTILATION.
4. WHERE FIRE SPRINKLERS PENETRATE THE AIR BARRIER, THEY SHALL BE SEALED IN A MANNER RECOMMENDED BY THE FIRE SPRINKLER MANUFACTURER. CAULKING OR OTHER ADHESIVE SEALANTS SHALL NOT BE USED TO FILL VOIDS BETWEEN FIRE SPRINKLER COVER PLATES AND WALLS OR CEILINGS.
5. WHERE RECESSED LIGHTING FIXTURES PENETRATE THE AIR BARRIER, THEY SHALL BE ALL OF THE FOLLOWING PER WSEC C402.5.8:
   a. IC RATED
   b. LABELED AS HAVING AN AIR LEAKAGE RATE OF NOT MORE THAN 2.0 CFM WHEN TESTED PER ASTM E 283 AT A 1.57 PSF PRESSURE DIFFERENTIAL
   c. SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND INTERIOR WALL OR CEILING COVERING.
6. IF REQUIRED, THE COMPLETED BUILDING SHALL BE TESTED PER WSEC C402.5.1.2:
   a. THE AIR LEAKAGE RATE OF THE BUILDING ENVELOPE SHALL NOT EXCEED 0.40 CFM/FT^2 AT A PRESSURE DIFFERENTIAL OF 0.30 INCHES WATER GAUGE AT THE UPPER 95% CONFIDENCE INTERVAL IN ACCORDANCE WITH ASTM E 779 OR AN EQUIVALENT METHOD APPROVED BY THE CODE OFFICIAL.
   b. A REPORT THAT INCLUDES THE TESTED SURFACE AREA, FLOOR AREA, AIR BY VOLUME, STORIES ABOVE GRADE, AND LEAKAGE RATES SHALL BE SUBMITTED TO THE BUILDING OWNER AND THE CODE OFFICIAL.
   c. IF THE TESTED RATE EXCEEDS THE ABOVE REQUIREMENT, A VISUAL INSPECTION SHALL BE CONDUCTED AND ANY LEAKS NOTED SHALL BE SEALED TO THE EXTENT PRACTICABLE. AN ADDITIONAL REPORT IDENTIFYING THE CORRECTIVE ACTIONS TAKEN TO SEAL THE AIR LEAKS SHALL BE SUBMITTED TO THE BUILDING OWNER AND THE CODE OFFICIAL AND ANY FURTHER REQUIREMENT TO MEET THE AIR LEAKAGE RATE SHALL BE WAIVED.
   d. BUILDING ENVELOPE TESTING AGENCY SHALL REFER TO WSEC C402.5.1.2 FOR DETAILED TESTING REQUIREMENTS.
7. ROOMS CONTAINING FUEL-BURNING APPLIANCES SHALL COMPLY WITH WSEC C402.5.3.
8. DOORS AND ACCESS OPENINGS TO SHAFTS, CHUTES, STAIRWAYS AND ELEVATOR LOBBIES SHALL BE GASKETED, WEATHERSTRIPPED OR SEALED. EXCEPTIONS:
   a. DOOR OPENINGS REQUIRED TO COMPLY WITH FIRE-RESISTANT JOINT SYSTEMS, PER IBC 715.
   b. DOORS AND DOOR OPENINGS REQUIRED TO COMPLY WITH UL 1784 PER IBC.
9. STAIRWAY ENCLOSURES, ELEVATOR SHAFT VENTS AND OTHER OUTDOOR AIR INTAKES AND EXHAUST OPENINGS INTEGRAL TO THE BUILDING ENVELOPE SHALL BE PROVIDED WITH DAMPERS IN ACCORDANCE WITH WSEC SECTION C403.2.4.3.
10. CARGO DOORS AND LOADING DOCK DOORS SHALL BE EQUIPPED WITH WEATHER SEALS TO RESTRICT INFILTRATION WHEN VEHICLES ARE PARKED IN THE DOORWAY.
11. MATERIALS QUALIFY AS AN AIR BARRIER WHEN THEY HAVE A MAXIMUM AIR PERMEABILITY NO GREATER THAN 0.004 CFM/FT^2 UNDER A PRESSURE DIFFERENTIAL OF 0.3 INCHES WATER GAUGE WHEN TESTED IN ACCORDANCE WITH ASTM E 2178. THE FOLLOWING COMPLY WITH THIS REQUIREMENT PROVIDED JOINTS ARE SEALED AND MATERIALS INSTALLED AS AIR BARRIERS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS:
    a. PLYWOOD WITH MINIMUM 3/8" THICKNESS
    b. ORIENTED STRAND BOARD WITH MINIMUM 3/8" THICKNESS
    c. EXTRUDED POLYSTYRENE INSULATION BOARD WITH MINIMUM 1/2" THICKNESS
    d. FOIL-BACKED POLYISOCYANURATE INSULATION BOARD WITH MINIMUM 1/2" THICKNESS
    e. CLOSED CELL SPRAY FOAM WITH MINIMUM 1.5 PCF AND MINIMUM 1.5" THICKNESS
    f. OPEN CELL SPRAY FOAM WITH DENSITY BETWEEN 0.4 AND 1.5 PCF AND MINIMUM 4.5" THICKNESS
    g. EXTERIOR OR INTERIOR GYPSUM BOARD WITH MINIMUM 1/2" THICKNESS
    h. CEMENT BOARD WITH MINIMUM 1/2" THICKNESS
    i. BUILT-UP ROOFING MEMBRANE
    j. MODIFIED BITUMINOUS ROOF MEMBRANE
    k. FULLY ADHERED SINGLE-PLY ROOF MEMBRANE
    l. A PORTLAND CEMENT/SAND PARGE, OR GYPSUM PLASTER WITH MINIMUM 5/8" THICKNESS
    m. CAST-IN-PLACE AND PRECAST CONCRETE
    n. FULLY GROUTED CONCRETE BLOCK MASONRY
    o. SHEET STEEL OR ALUMINUM
12. ASSEMBLIES OF MATERIALS AND COMPONENTS QUALIFY AS AN AIR BARRIER WHEN THEY HAVE A MAXIMUM AIR LEAKAGE OF 0.04 CFM/FT^2 UNDER A PRESSURE DIFFERENTIAL OF 0.3 INCHES OF WATER GAUGE WHEN TESTED IN ACCORDANCE WITH ASTM E 2357, ASTM E 1677 OR ASTM E 283. THE FOLLOWING COMPLY WITH THIS REQUIREMENT PROVIDED JOINTS ARE SEALED AND CONSTRUCTION REQUIREMENTS ABOVE ARE MET:
    a. CONCRETE MASONRY WALLS COATED WITH ONE APPLICATION EITHER OF BLOCK FILLER AND TWO APPLICATIONS OF A PAINT OR SEALER COATING.
    b. A PORTLAND CEMENT/SAND PARGE, STUCCO OR PLASTER WITH MINIMUM 1/2" THICKNESS.

MAXIMUM VERTICAL FENESTRATION AREA [C403.4.1]

- MAXIMUM ALLOWED: 30%
- PROVIDED: 21%

NOTES:
1. GROSS ABOVE-GRADE WALL AREA: 12,043 SF
2. GROSS VERTICAL FENESTRATION AREA: 2,588 SF
(2,588 / 12,043) X 100 = 21

THERMAL ENVELOPE SURFACE AREAS

WALLS:	12,043 SF
FLOOR:	17,093 SF
ROOF:	22,169 SF

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GREGORY A. BELDING
STATE OF WASHINGTON

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PROJECT #	2018136.01
PERMIT SET	
ISSUE DATE	JAN. 10, 2020

REVISION SCHEDULE

AIR BARRIER INFORMATION

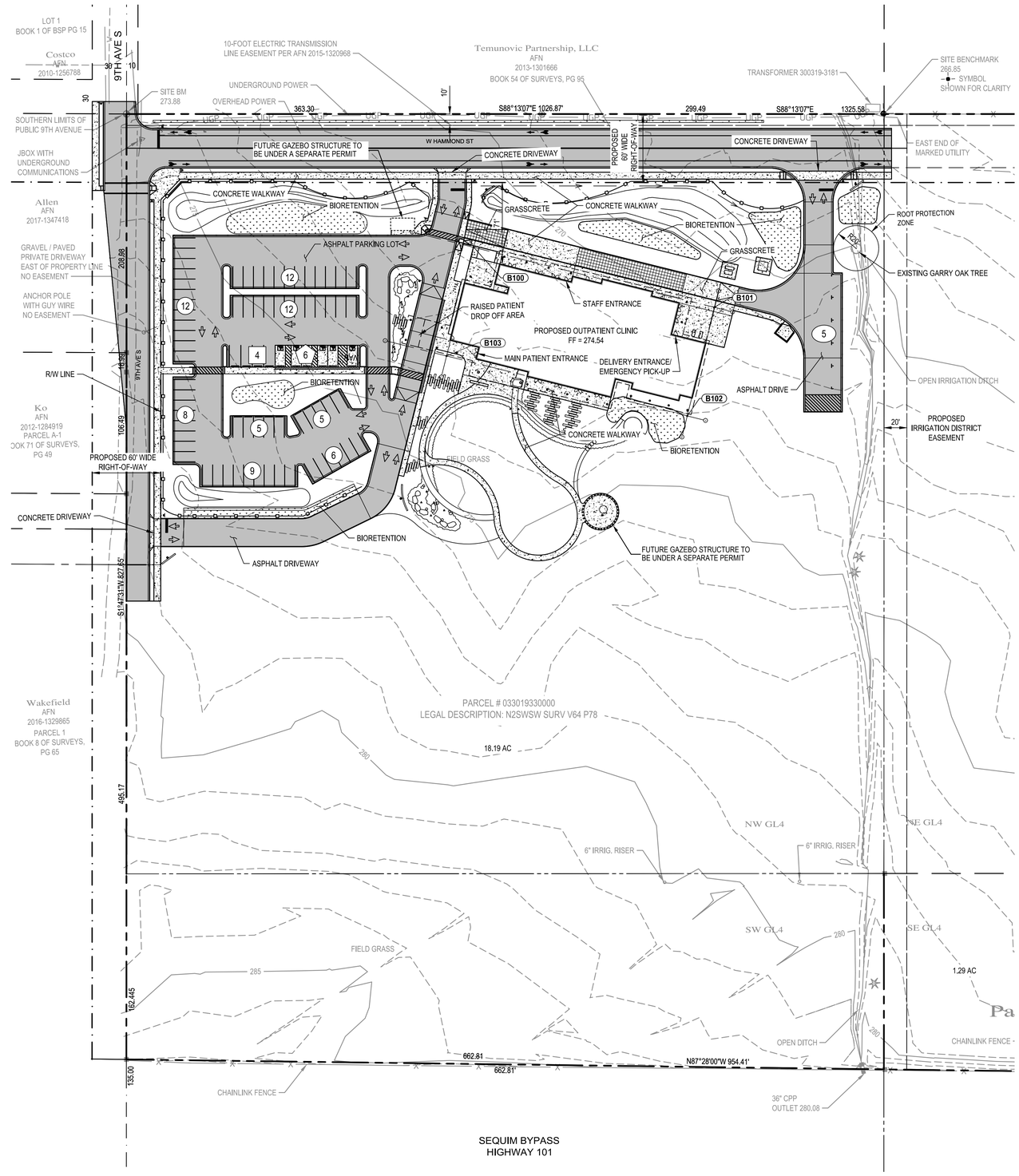
SHEET #
A00.03

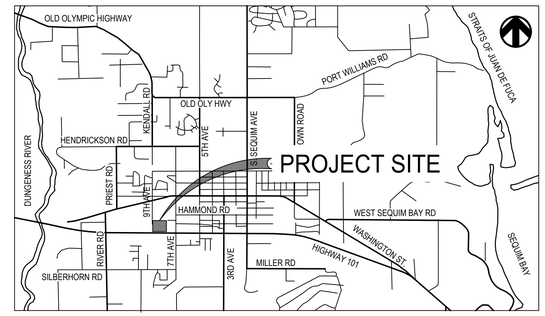
JAMESTOWN S'KLALLAM TRIBE

OUTPATIENT CLINIC

526 S. 9TH AVENUE

SEQUIM, WASHINGTON, CLALLAM COUNTY, USA





LOCATION MAP

NTS

GENERAL NOTES

1. SEE ENLARGED SITE PLAN SHEETS C4.0 AND C4.1 FOR HORIZONTAL CONTROL.
2. SEE UTILITY PLAN SHEETS C5.1 AND C5.2 FOR ALL ABOVE AND BELOW GRADE UTILITIES.

SHEET LIST

SHEET NO	SHEET TITLE
C1.0	OVERALL SITE PLAN
C1.1	NOTES
C1.2	NOTES AND ABBREVIATIONS
C1.3	SURVEY
C2.0	TESC PLAN
C2.1	TESC DETAILS
C3.0	OVERALL GRADING AND STORMWATER DRAINAGE PLAN
C3.1	ENLARGED GRADING AND STORMWATER DRAINAGE PLAN - WEST
C3.2	ENLARGED GRADING AND STORMWATER DRAINAGE PLAN - EAST
C3.3	SITE CROSS SECTIONS
C4.0	ENLARGED SITE PLAN - WEST
C4.1	ENLARGED SITE PLAN -EAST
C4.2	SITE DETAILS
C4.3	SITE DETAILS
C5.0	OVERALL UTILITY PLAN
C5.1	ENLARGED UTILITY PLAN - WEST
C5.2	ENLARGED UTILITY PLAN - EAST
C5.3	UTILITY PROFILES
C5.4	UTILITY DETAILS
C5.5	UTILITY DETAILS
C6.0	TYPICAL ROADWAY SECTIONS
C6.1	HAMMOND STREET ROADWAY PLANS AND PROFILE
C6.2	HAMMOND STREET ROADWAY PLANS AND PROFILE
C6.3	9TH AVE PLAN AND PROFILE
C7.0	CIRCULATION PLAN

PARKING DATA

PARKING REQUIRED:

TOTAL STALLS: 1 STALL/200 NET SF = 14,285 NET SF/200SF = 71.4 = 72 STALLS

ADA STALLS: 1 ADA STALL/25 STALLS = 72 STALLS/25 STALLS = 2.88 = 3 STALLS

PARKING PROVIDED:

SYMBOL	DESCRIPTION	COUNT
#	OVERSIZED STALLS (10'x19') =	4
#	STANDARD STALLS (9'x19') =	69
#	ADA STALLS (INCLUDING 1 VAN STALL) =	6
#	PARALLEL PARKING STALLS (9'x20')=	5
	TOTAL STALLS =	84

BUILDING GRID COORDINATE TABLE

POINT ID	NORTHING	EASTING
B100	400712.28	1080820.65
B101	400653.26	1081029.47
B102	400558.95	1081002.81
B103	400617.97	1080793.99

LEGEND

PROPERTY LINE

SECTION LINE

EASEMENT LINE

50 25 0 50 100

SCALE: 1 INCH = 50 FEET

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

COFFMAN ENGINEERS
1101 2nd Avenue, Suite 400
Seattle, WA 98101
ph 206.623.0717
www.coffman.com

ALLISON L. HEIN, STATE OF WASHINGTON, 45458, REGISTERED PROFESSIONAL ENGINEER

01/10/2020

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
SEQUIM, WASHINGTON

FOR PLAN CHECK REVIEW

REV	DATE	DESCRIPTION

PROJ. NO. 191652

DRAWN KB

CHECKED **ALH**

DATE JAN 10, 2020

© COFFMAN ENGINEERS INC.

SHEET TITLE:

OVERALL SITE PLAN

SHEET NO:

C1.0

SHEET OF

GENERAL NOTES

1. STANDARD SPECIFICATIONS - WORK AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS AND STANDARDS OF THE AUTHORITIES HAVING JURISDICTION. IF STANDARDS ARE NOT PROVIDED BY THE AUTHORITIES HAVING JURISDICTION, ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE MOST CURRENT VERSION OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AND THE STANDARD PLANS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION PREPARED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND THE WASHINGTON STATE CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA) EXCEPT AS MODIFIED OR SUPERSEDED BY THE LOCAL DEVELOPMENT GUIDELINES & DESIGN AND CONSTRUCTION STANDARDS, THE UNIFORM BUILDING CODES; PERMIT CONDITIONS; AND ALL OTHER APPLICABLE CODES, ORDINANCES, STANDARDS, AND POLICIES. THE STANDARD PLANS AND STANDARD SPECIFICATIONS (WSDOT/APWA) MAY BE OBTAINED FROM THE OFFICE OF PRE-CONTRACT ADMINISTRATION AT THE HIGHWAY ADMINISTRATION BUILDING, OLYMPIA, WASHINGTON 98504, OR BY TELEPHONE ORDER: (360) 705-7835.

2. PRE-CONSTRUCTION MEETING - A PRE-CONSTRUCTION MEETING MAY BE REQUIRED BY THE OWNER, OWNER'S REPRESENTATIVE, UTILITY SERVICE PROVIDERS AND/OR AUTHORITIES HAVING JURISDICTION (AHJ). CONTRACTOR TO COORDINATE WITH THESE PARTIES AND SCHEDULE PRE-CONSTRUCTION MEETINGS AS REQUIRED.

3. GEOTECHNICAL INFORMATION - A GEOTECHNICAL REPORT WAS PREPARED BY KRAZAN & ASSOCIATES, INC., DATED OCTOBER 24, 2019, PROJECT #: 102-19020. THIS REPORT SHALL BE REFERENCED FOR ANY INQUIRY RELATING TO THE CONSTRUCTION OF ELEMENTS ON OR BENEATH THE SOILS UNDERLYING THE PROJECT SITE.

4. SURVEY AND TOPOGRAPHY - THE EXISTING BOUNDARY, TOPOGRAPHIC AND UTILITY INFORMATION SHOWN IS BASED ON THE SURVEY PREPARED BY JOHNSTON LAND SURVEYING, DATED AUGUST 1, 2019.

5. SURVEY MONUMENTS - EXISTING PROPERTY CORNERS AND SURVEY MONUMENTS SHALL BE PROTECTED DURING CONSTRUCTION. ANY DAMAGED OR OBLITERATED CORNERS OR MONUMENTS SHALL BE RE-ESTABLISHED BY A PROFESSIONAL SURVEYOR AT THE CONTRACTOR'S EXPENSE.

6. EXISTING CONDITIONS - INFORMATION ON EXISTING CONDITIONS AND BOUNDARIES/RIGHT-OF-WAY SHOWN ON THESE PLANS WAS OBTAINED FROM A SURVEY NOT PERFORMED BY COFFMAN ENGINEERS. NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REQUIRED ELEVATIONS AT THE SUBJECT SITE, AND VERIFY THE LOCATION AND SIZE OF EXISTING UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION ACTIVITIES, INCLUDING UNDERGROUND AND OVERHEAD UTILITIES, UTILITY STRUCTURES, POINTS OF CONNECTION, AND UTILITY CROSSINGS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR EXCEPTIONS ENCOUNTERED PRIOR TO PROCEEDING. THE CONTRACTOR SHALL OBTAIN ADDITIONAL UTILITIES INFORMATION FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL COORDINATE WITH THE PUBLIC AND PRIVATE UTILITIES TO DETERMINE THE WORK AND INSPECTIONS NECESSARY TO DISCONNECT, CUT, CAP, ABANDON, RELOCATE, OR REPAIR THEIR FACILITIES. ANY COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY EXISTING CONDITIONS, PRIOR TO BEGINNING CONSTRUCTION, SHALL BE BORNE BY THE CONTRACTOR.

7. UTILITY LOCATION - IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN, AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THESE DRAWINGS. PRIOR TO STARTING CONSTRUCTION, CONTACT ONE-CALL, (1-800-424-5555) FOR UTILITY LOCATIONS AT LEAST 48 HOURS BEFORE STARTING PROJECT SITE WORK, NOTIFY THE UTILITIES INSPECTOR AT 360-683-4908. REQUEST A PUBLIC WORKS UTILITY INSPECTION AT LEAST 24 HOURS IN ADVANCE BY CALLING 360-683-4908. CONTRACTOR TO LOCATE AND DETERMINE DEPTH OF EXISTING UTILITIES, AND THE ENGINEER OF ANY CONFLICTS BETWEEN EXISTING FEATURES AND THE PLACEMENT OF NEW FACILITIES.

8. FIELD VERIFICATION - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION AND COORDINATION OF ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK.

9. DRAWINGS - A COPY OF THE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. THE DRAWINGS INDICATE LOCATIONS, DIMENSIONS, REFERENCES, AND TYPICAL DETAILS OF CONSTRUCTION. NOT EVERY DETAIL OF THE CONSTRUCTION IS SHOWN ON THESE DRAWINGS. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED, BUT ARE OF A SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL REVIEW THE DRAWINGS PRIOR TO STARTING CONSTRUCTION AND BRING ALL PROBLEMS IMMEDIATELY TO THE ATTENTION OF THE ENGINEER IN ORDER TO AVOID DELAYS.

10. ELECTRONIC CAD FILES - AN ELECTRONIC CAD VERSION OF THIS PLAN SET IS AVAILABLE FROM COFFMAN ENGINEERS, UPON REQUEST.

11. ADDITIONAL DOCUMENTS - REFER TO ARCHITECTURAL LANDSCAPE AND STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING CONSTRUCTION OF STRUCTURES, ENCLOSURES, SIDEWALKS/PATHS, LANDINGS/PATIOS, FENCING, AND RAILING.

12. RECORD DRAWINGS - RECORD DRAWINGS IDENTIFYING AND ACCURATELY LOCATING SUBSURFACE UTILITIES AND IMPROVEMENTS AND NOTING AS-CONSTRUCTED CONDITIONS SHALL BE PROVIDED BY THE CONTRACTOR AT THE END OF CONSTRUCTION.

13. JOB SITE SAFETY - THE CONTRACTOR SHALL CONDUCT ALL WORK IN A SAFE MANNER AS REQUIRED BY ALL APPLICABLE CITY, COUNTY, STATE AND FEDERAL REGULATIONS. THE ENGINEER HAS NOT BEEN RETAINED TO PROVIDE DESIGN AND/OR CONSTRUCTION REVIEW SERVICES RELATED TO THE CONTRACTOR'S SAFETY PRECAUTIONS, OR TO THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES FOR THE CONTRACTOR TO PERFORM THEIR WORK. THE UNDERTAKING OF PERIODIC SITE VISITS BY THE ENGINEER SHALL NOT BE CONSTRUED AS THE SUPERVISION OF ACTUAL CONSTRUCTION, NOR MAKE THE ENGINEER RESPONSIBLE FOR PROVIDING A SAFE PLACE FOR THE PERFORMANCE OF WORK BY THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES OR EMPLOYEES OF SUPPLIERS OR SUBCONTRACTORS, OR FOR ACCESS, VISITS, USE, WORK, TRAVEL, OR OCCUPANCY BY ANY PERSON. SAFETY STANDARDS AND REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND COMPLIED WITH AS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

14. WORKMANSHIP - THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET REQUIREMENTS AND STANDARDS OF THE AUTHORITIES HAVING JURISDICTION. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER AND IN CONFORMANCE WITH APPLICABLE CODES, REGULATIONS AND PERMIT REQUIREMENTS.

15. LICENSURE - THE CONTRACTOR SHALL HAVE THE APPROPRIATE LICENSES TO PERFORM THE SPECIFIED WORK IN CONFORMANCE WITH THE AUTHORITIES HAVING JURISDICTION.

16. TRAFFIC CONTROL & SAFETY - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL ON-SITE AND SHALL COORDINATE THEIR ACTIVITIES WITH THE OWNER AND ENGINEER A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF THE BEGINNING OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TRAFFIC CONTROL SIGNS. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION. SHUTDOWN OF OWNER OPERATION OR ACCESS WILL NOT BE PERMITTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS. COORDINATE REQUIREMENTS WITH THE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL MAINTAIN ALL SIGNS, BARRICADES, WARNING LIGHTS, AND OTHER DEVICES NECESSARY FOR SAFETY.

17. PERMITTING - THE CONTRACTOR SHALL OBTAIN ALL LOCAL, STATE AND FEDERAL PERMITS REQUIRED FOR THE WORK IN ADDITION TO THOSE OBTAINED BY THE OWNER. THE CONTRACTOR SHALL CONDUCT ALL WORK IN CONFORMANCE WITH THE VARIOUS LOCAL, STATE AND FEDERAL PERMITS AND APPROVALS REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL COORDINATE WITH THE AUTHORITIES HAVING JURISDICTION TO CONFIRM INSPECTION, TESTING, AND CERTIFICATION REQUIREMENTS.

18. ADA STANDARDS - CONSTRUCTION SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) 2010, INCLUDING FINISHED SLOPE MEASUREMENT VERIFICATION WITH A 2-FOOT DIGITAL LEVEL.

19. PROTECTION OF PROPERTY - THE CONTRACTOR SHALL PROTECT FROM DAMAGE OR DESTRUCTION TO PRIVATE AND PUBLIC PROPERTY ON OR IN THE VICINITY OF THE WORK THAT IS NOT SCHEDULED FOR REPAIR, REPLACEMENT OR REMOVAL, AND SHALL ENSURE THAT INTERFERENCE WITH THE USE OF SUCH PROPERTY IS MINIMIZED.

20. DAMAGE DURING CONSTRUCTION - ANY EXISTING PUBLIC OR PRIVATE IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN A MATTER TO BE APPROVED BY THE LOCAL JURISDICTION, APPROPRIATE UTILITY OWNER OR OWNER. IF ROADWAY PAVEMENT IS BROKEN, THE LOCAL TRANSPORTATION DEPARTMENT WILL EITHER REPAIR THE STREET AND BILL THE CONTRACTOR FOR THIS WORK, OR ALLOW THE CONTRACTOR TO COMPLETE THESE REPAIRS TO THEIR STANDARDS. ALL DISTURBED PROPERTY AND VEGETATION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER AS SPECIFIED.

21. STAKING - CONSTRUCTION STAKING FOR CURB AND GUTTER, PAVEMENT GRADES, SIDEWALK GRADES, AND ANY OTHER VERTICAL AND/OR HORIZONTAL ALIGNMENT SHALL BE PROVIDED BY A LICENSED SURVEYOR.

22. EXCAVATION & BACKFILL - SAFE EXCAVATION & BACKFILL PRACTICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO REGULATIONS ESTABLISHED BY PERTINENT STATE AND FEDERAL OCCUPATIONAL SAFETY AND HEALTH AGENCIES. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN SAFETY SYSTEMS THAT MEET THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (RCW CHAPTER 49.17, INCLUDING WAC CHAPTER 296-155). EXCAVATIONS DEEPER THAN 4-FEET MUST BE SHORED, SHEETED, BRACED, SLOPED, OR SUPPORTED BY A MEANS OF SUFFICIENT STRENGTH TO PROTECT EMPLOYEES AND BE IN ACCORDANCE WITH WAC 296-155, PART N. EXCAVATIONS DEEPER THAN 20-FEET MUST INCLUDE A PROTECTION SYSTEM DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED WITH THE STATE OF WASHINGTON IN ACCORDANCE WITH WAC 296-155-657. EXCAVATION MATERIALS ARE TO BE STORED AT LEAST 2-FEET FROM THE EDGE OF THE EXCAVATION OR TRENCH WHEN EMPLOYEES ARE WORKING IN THE EXCAVATION. SITE DEVICES MAY BE REQUIRED TO PREVENT THE MATERIAL FROM FALLING OR ROLLING INTO THE EXCAVATION. WHEN TRENCHES OR OTHER EXCAVATIONS ARE WITHIN 4-FEET OF PUBLIC PROPERTY, BARRICADES MUST BE SET UP FOR PUBLIC SAFETY, AND THE EXCAVATION MUST BE COVERED WHEN WORK IS NOT IN PROGRESS.

23. EXCAVATION AND SHORING - ANY EXCAVATION & SHORING SHOWN WITHIN THIS PLAN SET IS FOR CONCEPTUAL DESIGN INFORMATION ONLY. ALL VERTICAL SHORING WALLS REQUIRED FOR THE BUILDING EXCAVATION SHALL BE DESIGNED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF WASHINGTON. ALL EXCAVATION AND SHORING SHALL BE MONITORED BY THE GEOTECHNICAL ENGINEER AND SHALL CONFORM TO THE REGULATIONS ESTABLISHED BY PERTINENT STATE AND FEDERAL OCCUPATIONAL SAFETY AND HEALTH AGENCIES. ALL SHORING MEASURES AND EXCAVATION METHODS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED WITH THE STATE OF WASHINGTON. EXCAVATION AND SHORING MEASURES ARE NOT SHOWN ON THESE PLANS, BUT WILL BE REQUIRED TO ENSURE A SAFE WORKING ENVIRONMENT AND TO PROTECT NEIGHBORING PROPERTIES & EXISTING SITE FEATURES.

24. EXCAVATION SPOILS - ALL EXCAVATION SPOILS SHALL BE DISPOSED OF AT AN APPROVED OFFSITE LOCATION. CONTRACTOR SHALL COORDINATE WITH THE OWNER ON DISPOSAL OF EXCAVATION SPOILS

25. ENVIRONMENTAL PROTECTION - EROSION CONTROL MEASURES SEPARATE FROM THOSE SPECIFIED AS PART OF THIS PLAN SET MAY BE REQUIRED FOR ADDITIONAL IMPLEMENTATION DUE TO FUTURE, UNFORESEEN WEATHER OR SITE CONDITIONS, OR IF THE PRESCRIBED MEASURES DO NOT FUNCTION AS INTENDED, OR IF THE AUTHORITIES HAVING JURISDICTION DETERMINE THAT THE PRESCRIBED MEASURES ARE INADEQUATE. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK AREA AT ALL TIMES BY SWEEPING. WASHING OF PAVEMENT WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE OWNER.

TEMPORARY EROSION & SEDIMENT CONTROL NOTES

1. SCHEDULE - ALL REQUIRED SEDIMENTATION / EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS AND ADJACENT PROPERTIES IS PREVENTED. THE TESC FACILITIES SHALL BE MAINTAINED UNTIL PERMANENT EROSION CONTROL (PAVING, STRUCTURE, RE-VEGETATION WITH TREES, SHRUBS, GROUND COVER, ETC.) PER THE APPROVED PLANS IS IN PLACE.

2. IMPLEMENTATION - THE IMPLEMENTATION OF THE TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THE TESC FACILITIES IN COORDINATION WITH THE APPROVED PLANS AND/OR SWPPP IS THE RESPONSIBILITY OF THE CONTRACTOR / TESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED AND SITE IS PERMANENTLY STABILIZED. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THIER ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES AND WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM.

3. INSPECTIONS BY CONTRACTOR - THE TEMPORARY EROSION CONTROL FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR DAILY AND AT THE END OF EVERY RAINFALL, AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING UNTIL ALL CONSTRUCTION IS APPROVED AND THE SITE HAS STABILIZED.

4. BEST MANAGEMENT PRACTICES (BMPS) - ALL TESC FACILITIES SHALL CONFORM TO THE BEST MANAGEMENT PRACTICES LISTED IN THE CURRENT EDITION OF THE DEPARTMENT OF ECOLOGY STORMWATER MANAGMENT MANUAL FOR WESTERN WASHINGTON AND THE APPROVED STORMWATER POLLUTION PREVENTION PLAN.

5. MINIMUM REQUIREMENTS - THE EROSION AND SEDIMENTATION CONTROL SYSTEMS DEPICTED ON THESE DRAWINGS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, THE CONTRACTOR SHOULD ANTICIPATE THAT MORE EROSION AND SEDIMENTATION CONTROL FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS AND METHODS AND SEQUENCING OF TESC MEASURES AND ENSURING WATER QUALITY REQUIREMENTS ARE MET.

6. APPROVALS - APPROVAL OF THIS TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.), BUT IS AN APPROVAL OF THE TEMPORARY EROSION AND SEDIMENTATION CONTROL PLANS ONLY. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY, INCLUDING OBTAINING THE APPROPRIATE PERMITS AND APPROVALS.

7. CLEARING LIMITS / LIMITS OF WORK - THE BOUNDARIES OF THE CLEARING LIMITS SHOW ON THIS PLAN SHALL BE CLEARLY FLAGGED BY A CONTINUOUS LENGTH OF ORANGE PROTECTION FENCING PRIOR TO CONSTRUCTION. DURING CONSTRUCTION, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE CONTRACTOR / TESC SUPERVISOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED.

8. CONSTRUCTION SEQUENCE - THE FOLLOWING CONSTRUCTION SEQUENCE SHALL BE FOLLOWED IN ORDER TO BEST MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENTATION CONTROL (ESC) PROBLEMS:
   - STABILIZE ROADWAY APPROACHES AND TEMPORARY ACCESS POINTS WITH THE APPROPRIATE CONSTRUCTION ENTRY BMP;
   - CLEAR AND GRUB SUFFICIENTLY FOR INSTALLATION OF TEMPORARY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MEASURES (BMPS);
   - INSTALL TEMPORARY ESC BMPS, CONSTRUCTING SEDIMENT TRAPPING BMPS PRIOR TO ANY LAND DISTRIBUTING;
   - CLEAR, GRUB AND ROUGH GRADE FOR ROADS, TEMPORARY ACCESS POINTS AND UTILITY LOCATIONS;
   - CLEAR, GRUB AND GRADE SUBJECT SITE;
   - TEMPORARILY STABILIZE, THROUGH RE-VEGETATION OR OTHER APPROPRIATE BMPS, SUBJECT SITE IN SITUATIONS WHERE SUBSTANTIAL CUT OR FILL SLOPES ARE A RESULT OF THE SITE GRADING;
   - CONSTRUCT ROADS, BUILDINGS, PERMANENT STORMWATER FACILITIES (SUCH AS INLETS, PONDS, UNDERGROUND INJECTION CONTROL (UIC) FACILITIES, ETC.);
   - PROTECT ALL PERMANENT STORMWATER FACILITIES UTILIZING THE APPROPRIATE BMPS;
   - INSTALL PERMANENT ESC CONTROLS, WHEN APPLICABLE; AND,
   - REMOVE TEMPORARY ESC CONTROLS WHEN:
     - PERMANENT ESC CONTROLS, WHEN APPLICABLE, HAVE BEEN COMPLETELY INSTALLED;
     - ALL LAND-DISTURBING ACTIVITIES THAT HAVE THE POTENTIAL TO CAUSE EROSION OR SEDIMENTATION PROBLEMS HAVE CEASED; AND,
     - VEGETATION HAS BEEN ESTABLISHED IN THE AREAS NOTED AS REQUIRING VEGETATION ON THE ACCEPTED ESC PLAN ON FILE WITH THE LOCAL JURISDICTION.

9. EXISTING VEGETATED AREAS - RETAIN THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICAL.

10. DUST CONTROL - CONTROL FUGITIVE DUST FROM CONSTRUCTION ACTIVITY IN ACCORDANCE WITH THE STATE AND/OR LOCAL AIR QUALITY CONTROL AUTHORITIES WITH JURISDICTION OVER THE PROJECT AREA. DO NOT USE WATER WHEN IT MAY DAMAGE ADJACENT CONSTRUCTION OR CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS, SUCH AS ICE, FLOODING, AND POLLUTION.

11. ADJACENT PROPERTIES - ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF.

12. DEWATERING - DESIGN, PREPARE AND OBTAIN PERMITS FOR TEMPORARY DEWATERING. TREAT AND DISPOSE OF WATER FROM TEMPORARY DEWATERING FACILITIES IN ACCORDANCE WITH AHJ.

13. STREET INSPECTION & CLEANING - INSPECT ALL ROADWAYS ADJACENT TO THE CONSTRUCTION ACCESS ROUTE AT THE END OF EACH DAY. IF IT IS EVIDENT THAT SEDIMENT HAS BEEN TRACKED OFF SITE AND/OR BEYOND THE ROADWAY APPROACH, IMMEDIATE CLEANING IS REQUIRED. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS. FAILURE TO COMPLY WITH THIS CONDITION WILL RESULT IN ALL WORK ON THE SITE BEING STOPPED. 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. 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.

14. CONCRETE BY-PRODUCTS - PROVIDE A DESIGNATED, POSTED CONCRETE WASHOUT AREA. THE CONCRETE WASHOUT SHALL NOT BE ALLOWED TO DRAIN OFF THE SITE OR INTO ANY EXISTING OR FUTURE STORM DRAINAGE FACILITIES. HARDENED CONCRETE WASHOUT SHALL BE BROKEN UP AND REMOVED FROM THE SITE. DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS EITHER NEAR OR INTO NATURAL OR CONSTRUCTED STORM DRAINAGE SYSTEMS. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM DRAINAGE SYSTEM, IT COULD RESULT IN FINES, RECLEANING THE ENTIRE DOWNSTREAM SYSTEM, OR POSSIBLY RELAYING THE STORM LINE.

15. SOURCE CONTROL OF CONSTRUCTION DEBRIS & CHEMICALS - APPLICABLE SOURCE CONTROL MEASURES PER THE CURRENT EDITION OF THE WASHINGTON DEPARTMENT OF ECOLOGY'S STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON SHALL BE IMPLEMENTED DURING CONSTRUCTION. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGES. COVER, CONTAIN AND PROTECT ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCT, AND NON-INERT WASTES PRESENT ON SITE FROM VANDALISM (SEE CHAPTER 173-304 OF THE WASHINGTON ADMINISTRATIVE CODE (WAC) FOR THE DEFINITION OF INERT WASTE), USE SECONDARY CONTAINMENT FOR ON-SITE FUELING TANKS.

16. VEHICLE MAINTENANCE - CONDUCT MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM REPAIRS, SOLVENT/DE-GREASING OPERATIONS, FUEL TANK DRAIN-DOWN/REMOVAL, IN ADDITION TO OTHER ACTIVITIES THAT MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF, BY USING SPILL COLLECTION DEVICES, SUCH AS DRIP PANS. CLEAN ALL CONTAMINATED SURFACES IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT, AND DISPOSE OF CONTAMINATED MATERIALS PER LOCAL REGULATIONS. IF RAINFALL OCCURS ON EQUIPMENT OR VEHICLE WITH RECENT CONTAMINANT LEAK, PERFORM EMERGENCY REPAIRS ON SITE USING TEMPORARY PLASTIC BENEATH THE VEHICLE THAT COLLECTS ALL CONTAMINATED RUNOFF.

17. CHEMICAL CONTROL & APPLICATION - CONDUCT APPLICATION OF AGRICULTURAL CHEMICALS, INCLUDING FERTILIZERS AND PESTICIDES, IN SUCH A MANNER, AND AT APPLICATION RATES, THAT INHIBIT THE LOSS OF CHEMICALS INTO STORMWATER RUNOFF FACILITIES. AMEND MANUFACTURER'S RECOMMENDED APPLICATION RATES AND PROCEDURES TO MEET THIS REQUIREMENT, IF NECESSARY. 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 IN-SITU BMPS.

18. STABILIZATION OF DISTURBED AREAS - ALL EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED WITH MULCHING, GRASS PLANTING, PLASTIC COVERING OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE EXPOSED SOIL CONDITIONS AND THE TIME OF YEAR IN QUESTION. FROM OCTOBER 1 TO APRIL 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 2 DAYS. FROM MAY 1 TO SEPTEMBER 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 7 DAYS. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THRU SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE CONTRACTOR, BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT AS APPROVED BY THE LOCAL JURISDICTION.

19. TEMPORARY STOCKPILES - TEMPORARY STOCKPILES SHALL BE STABILIZED WITH MULCHING, GRASS PLANTING, POLYETHYLENE SHEETING, OR OTHER APPROVED MEASURES. THE TOE OF ALL STOCKPILES SHALL HAVE A FILTER FABRIC FENCE TO PROTECT ADJACENT PROPERTIES FROM SEDIMENTATION AND EROSION AND THE WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM. STOCKPILE SIDE SLOPES SHALL NOT EXCEED 2H:1V SLOPE.

20. CONSTRUCTION ENTRANCE - THE CONTRACTOR SHALL CONSTRUCT A TEMPORARY CONSTRUCTION ENTRANCE IN CONFORMANCE WITH THE DETAIL INCLUDED IN THIS PLAN SET. MATERIAL SHALL BE QUARRY SPALLS, 4 INCHES TO 8 INCHES IN SIZE. THE ROCK PAD SHALL BE AT LEAST 12 INCHES THICK. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT. CONSTRUCTION EQUIPMENT SHALL BE CLEANED OF ALL DIRT AND DEBRIS BEFORE ENTERING THE PUBLIC STREET.

21. SEDIMENTATION PONDS - SEDIMENTATION PONDS SHALL BE USED UNTIL SUCH TIME AS THE SITE HAS BEEN STABILIZED AND THE PERMANENT STORMWATER FLOW CONTROL AND WATER QUALITY FACILITIES ARE OPERATIONAL AND CAN BE PROTECTED FROM SEDIMENTATION FROM ONSITE CONSTRUCTION. TEMPORARY SEDIMENTATION POND CONTROL STRUCTURES WILL BE INSTALLED ON THE EXISTING POND OUTLET PIPES TO CONTROL SEDIMENT AND STORMWATER DURING CONSTRUCTION.

22. STRAW MULCH - WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2-INCHES.

23. SEEDING - WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (EXAMPLE: ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE).

24. HYDROSEED - WHERE HYDROSEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, A SEED-MULCH-FERTILIZER MIXTURE SHALL BE USED AS RECOMMENDED BY THE SUPPLIER AND APPROVED BY THE LOCAL JURISDICTION.

25. FILTER FABRIC FENCE - FILTER FABRIC FENCES SHALL BE CONSTRUCTED ALONG THE DOWNSLOPE EDGES OF THE CONSTRUCTION SITE AND SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND THE SITE HAS STABILIZED. REGULAR INSPECTIONS SHALL BE MADE TO ENSURE THAT THE FENCE IS FUNCTIONING PROPERLY, AND ADDITIONAL INSPECTIONS SHALL BE MADE AFTER EACH LARGE RUNOFF PRODUCING STORM AND DURING PROLONGED RAINFALL PERIODS. TRAPPED SEDIMENT SHALL BE REMOVED WHEN IT REACHES APPROXIMATELY ONE QUARTER THE HEIGHT OF THE FENCE. THE WASHED GRAVEL BACKFILL SHALL BE REPLACED AND THE FILTER FABRIC CLEANED IF IT IS RENDERED NONFUNCTIONAL BY EXCESSIVE SILT ACCUMULATION. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART, AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 30 INCHES, WHERE POSSIBLE. FILTER FABRIC JOINTS SHALL BE MADE ONLY AT A SUPPORT POST, WITH A 6 INCH MINIMUM OVERLAP, WITH BOTH ENDS SECURELY FASTENED TO THE POST.

26. STORM DRAIN INLET PROTECTION - ANY CATCH BASINS, INLETS, OR TRENCH DRAINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE, SHALL HAVE STORM DRAIN INLET PROTECTION PER THE CATCH BASIN INSERT DETAIL SHOWN ON THIS PLAN SET. INSERTS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME THAT ALL CONSTRUCTION IS APPROVED AND THE SITE HAS BEEN STABILIZED.

27. SEDIMENT ACCUMULATION - AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A SEDIMENT FILTER THAT IS INSTALLED WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING ACTIVITIES. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM. ACCUMULATED SEDIMENTS SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE LOCAL JURISDICTION. ALL CATCH BASINS AND SEDIMENT FILTERS SHALL BE INSPECTED FOR COMPLIANCE DAILY AND WITHIN 24 HOURS OF A RAINFALL EVENT.

DEMOLITION NOTES

1. CLEARING, GRUBBING & DEMOLITION - ALL CLEARING, GRUBBING AND DEMOLITION SHALL BE PERFORMED IN CONFORMANCE TO THE REQUIREMENTS OF THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND THE CURRENT EDITION OF THE UNIFORM BUILDING CODE. THE STRIPPED DEBRIS SHALL NOT BE MIXED WITH MATERIALS TO BE USED AS STRUCTURAL FILL. CONDUCT DEMOLITION ACTIVITIES AND DEBRIS REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, WALKWAYS, AND OTHER ADJACENT FACILITIES.

2. HAZARDOUS MATERIALS - IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER AND OWNER.

3. EXISTING VEGETATION - REMOVE TREES, SHRUBS, GRASS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION. REFER TO LANDSCAPE PLANS FOR TREE PROTECTION AND TREE REMOVAL PROCEDURES TO PRESERVE HEALTH OF ADJACENT TREES.

4. DISPOSAL - REMOVE DEMOLITION WASTE MATERIALS AND DEBRIS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA-APPROVED LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

5. DEMOLITION & DISPOSAL - THE REMOVAL AND DISPOSAL OF ALL FOUNDATIONS, STRUCTURES, PIPING, FENCES, AND OTHER OBSTRUCTIONS SHALL BE DONE IN ACCORDANCE WITH SECTION 2-02 OF THE APWA/WSDOT STANDARD SPECIFICATIONS.

6. PROTECTION OF PROPERTY - THE CONTRACTOR SHALL PROTECT FROM DAMAGE OR DESTRUCTION PRIVATE AND PUBLIC PROPERTY ON OR IN THE VICINITY OF THE WORK THAT IS NOT SCHEDULED FOR REPAIR, REPLACEMENT OR REMOVAL AND SHALL ENSURE THAT INTERFERENCE WITH THE USE OF SUCH PROPERTY IS MINIMIZED.

7. REMOVAL OF STRUCTURES & OBSTRUCTIONS - THE REMOVAL AND DISPOSAL OF ALL BUILDINGS, FOUNDATIONS, STRUCTURES, FENCES, AND OTHER OBSTRUCTIONS SHALL BE DONE IN ACCORDANCE WITH SECTION 2-02 OF THE APWA/WSDOT STANDARD SPECIFICATIONS. REFER TO THE ARCHITECT'S PLANS & SPECIFICATIONS PRIOR TO ANY DEMOLITION WORK FOR DEMOLITION & DISPOSAL DETAILS.

8. REMOVAL OF PAVEMENT, SIDEWALKS AND CURBS - ALL REMOVAL OF PAVEMENT, SIDEWALKS AND CURBS SHALL BE PERFORMED IN CONFORMANCE WITH SECTION 2-02.3(3) OF THE STANDARD SPECIFICATIONS. ASPHALT CONCRETE SHALL BE SAWCUT FOR A SMOOTH TRANSITION. CONCRETE WALKS AND CURBS SHALL BE SAWCUT OR REPLACED TO AN EXISTING JOINT.

9. EXISTING UTILITIES - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANIES FOR SCHEDULING, DISCONNECTING, AND CAPPING OF THE EXISTING UTILITIES. EXISTING UTILITY WORK SHALL BE IN CONFORMANCE WITH SECTION 2-02 OF THE STANDARD SPECIFICATIONS. ALL CAPPED UTILITIES SHALL BE CLEARLY MARKED WITH AN ABOVE GRADE MARKER.

10. SAFETY FENCING - TEMPORARY 6' HIGH CHAIN LINK FENCE SHALL BE PLACED AROUND THE SITE AND/OR EXCAVATION AREA AS NECESSARY TO PROTECT PEDESTRIANS AND PROVIDE SITE SAFETY WHILE DEMOLITION AND CONSTRUCTION IS IN PROGRESS. AS CONSTRUCTION PROGRESSES AND CONDITIONS DICTATE, THE CONTRACTOR SHOULD ANTICIPATE THAT MORE PROTECTION MAY BE NECESSARY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INSURE SAFETY OF THE PUBLIC AT ALL TIMES.

11. SALVAGE - TO THE MAXIMUM EXTENT POSSIBLE, THE CONTRACTOR SHALL SALVAGE AND REUSE ALL CATCH BASIN FRAMES, GRATES, COVERS, MANHOLE LIDS AND ANY OTHER EXISTING METAL WORKS IN PAVEMENTS DESIGNATED FOR REMOVAL / REPLACEMENT. ALL SALVAGEABLE MATERIAL CREATED DURING DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE STATED BY HEREIN OR THE OWNER.

12. REGULATORY COMPLIANCE - COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION. COORDINATE DEMOLITION OPERATIONS AND ANY REQUIRED UTILITY RELOCATIONS WITH THE OWNER AND APPROPRIATE UTILITY PURVEYOR, INCLUDING REQUIREMENTS AND SCHEDULING.

13. COORDINATION AND UNKNOWNS - COORDINATE EXTENT OF DEMOLITION WITH PROPOSED IMPROVEMENTS. CONTRACTOR SHALL REVIEW THE PROJECT LIMITS TO DETERMINE THE QUANTITY AND TYPE OF DEMOLITION WASTE MATERIAL AND DEBRIS TO BE INCLUDED IN THEIR BID. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING, AND RELOCATING IF NECESSARY, ANY ITEMS NOT OTHERWISE NOTED THAT CONFLICT WITH THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICTING ITEMS NOT SHOWN ON THE PLANS THAT MUST BE REMOVED OR RELOCATED. FAILURE TO NOTIFY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF COST RESPONSIBILITY FOR REMOVING REQUIRED ITEMS.

GRADING AND PAVING NOTES

1. STANDARD PLANS AND SPECIFICATIONS - ALL GRADING AND PAVING MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE MOST CURRENT VERSION OF THE STANDARD PLANS AND STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, PREPARED JOINTLY BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND THE AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, EXCEPT AS MODIFIED OR SUPERSEDED BY THE LOCAL JURISDICTION.

2. GRADING - FINAL SITE GRADING MUST DIRECT DRAINAGE AWAY FROM ALL BUILDING STRUCTURES AT A MINIMUM OF TWO (2) PERCENT SLOPE, PER THE UNIFORM BUILDING CODE. ANY GRADING WITHIN CRITICAL ROOT ZONE SHALL BE UNDER THE DIRECTION OF LANDSCAPE ARCHITECT.

3. MINIMUM SLOPE - ALL DRIVE AREAS SHALL HAVE POSITIVE DRAINAGE TO THE COLLECTION/CONVEYANCE SYSTEM AT 1% MINIMUM SLOPE FOR ASPHALT, 0.5% MINIMUM SLOPE FOR CONCRETE. PLAN DETAILS SHALL NOT SUPERSEDE THIS REQUIREMENT.

4. EXCAVATION & BACKFILL - SAFE EXCAVATION, BACKFILL & BORROWING ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE APPLICABLE SECTIONS OF THE WSDOT/APWA STANDARD SPECIFICATIONS AND TO REGULATIONS ESTABLISHED BY PERTINENT STATE AND FEDERAL OCCUPATIONAL SAFETY AND HEALTH AGENCIES.

5. COMPACTION - SUBGRADES SHALL BE PREPARED IN CONFORMANCE WITH DIVISION 2-06 OF THE WSDOT/APWA STANDARD SPECIFICATIONS. STRUCTURAL FILL SHALL BE PLACED IN THIN HORIZONTAL LIFTS NOT EXCEEDING TWELVE (12) INCHES IN LOOSE THICKNESS. EACH LIFT MUST BE COMPACTED TO AT LEAST 95 PERCENT OF LABORATORY MAXIMUM DRY DENSITY, DETERMINED IN ACCORDANCE WITH ASTM TEST DESIGNATION D-698 (STANDARD PROCTOR). THE MOISTURE CONTENT OF THE SOIL AT THE TIME OF COMPACTION SHOULD BE WITHIN TWO PERCENT OF ITS OPTIMUM, AS DETERMINED BY ASTM D-698. IN NON-STRUCTURAL AREAS OR FOR BACKFILL IN UTILITY TRENCHES BELOW A DEPTH OF FOUR FEET, THE DEGREE OF COMPACTION MAY BE REDUCED TO 90 PERCENT. HAND OPERATED COMPACTION EQUIPMENT SHOULD BE USED WITHIN FIVE (5) FEET OF ALL STRUCTURES. REFER TO THE GEOTECHNICAL REPORT BY GEOTECH CONSULTANTS, INC. FOR MORE DETAILED INFORMATION.

6. STRUCTURAL FILL - SITE SOILS ARE NOT RECOMMENDED FOR STRUCTURAL FILL UNLESS IT IS INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER. ALL STRUCTURAL FILL SHALL BE FREE OF ORGANIC MATERIAL, DEBRIS, AND OTHER DELETERIOUS MATERIALS. STRUCTURAL FILL SHALL CONSIST OF FREE-DRAINING IMPORTED PIT RUN SAND AND GRAVEL, OR AN EQUIVALENT APPROVED MATERIAL. REFER TO THE SOILS REPORT FOR FURTHER SPECIFICATIONS.

7. CUT & FILL SLOPES - NO FINAL CUT OR FILL SLOPE SHALL EXCEED SLOPES OF TWO (2) HORIZONTAL TO ONE (1) VERTICAL WITHOUT STABILIZATION BY AN ENGINEERED EARTH RETAINING STRUCTURE.

8. MATCHING EXISTING PAVEMENTS & STRUCTURES - THE CONTRACTOR SHALL VERIFY THE LOCATIONS, WIDTHS, THICKNESSES, AND ELEVATIONS OF ALL EXISTING PAVEMENTS AND STRUCTURES THAT ARE TO INTERFACE WITH NEW WORK. PROVIDE ALL TRIMMING, CUTTING, SAW CUTTING, GRADING, LEVELING, SLOPING, COATING, AND OTHER WORK INCLUDING MATERIALS AS NECESSARY TO CAUSE THE INTERFACE WITH EXISTING WORKS TO BE PROPER, ACCEPTABLE TO THE ENGINEER AND THE LOCAL JURISDICTION, COMPLETE IN PLACE AND READY TO USE. CONTRACTOR SHALL MEET AND MATCH EXISTING ELEVATIONS OF STREET, RIGHT-OF-WAY AND PROPERTY LINES AND AT LIMITS OF GRADING WORK.

9. DOOR THRESHOLDS - ALL EXTERIOR DOOR THRESHOLDS SHALL NOT EXCEED 1/2" IN ELEVATION CHANGE FROM TOP OF PAVEMENT TO FINISHED FLOOR ELEVATION. ANY EXTERIOR DOOR THRESHOLD THAT EXCEEDS 1/4" SHALL HAVE A 1:2 (MAX) BEVELED EDGE FOR THE THRESHOLD ABOVE 1/4" PER 2010 ADAAG.

10. CEMENT CONCRETE PAVEMENT - THE CONCRETE PAVEMENT SHALL BE AIR-ENTRAINED, CLASS 3000 (3000 PSI MIN) IN CONFORMANCE WITH THE REQUIREMENTS OF DIVISION 6-02 OF THE WSDOT/APWA STANDARD SPECIFICATIONS. POLYPROPELENE FIBERS (MIN 1-1/2 POUNDS PER CY) SHALL BE ADDED TO THE MIX TO REDUCE CRACKING. THE WATER CEMENT RATIO SHALL BE MAXIMUM 0.45. CURE FOR 7 DAYS WITH WATER MIST. PROVIDE ZIP KEY CRACK CONTROL JOINTS (BY BURKE) EVERY 12 TO 15 FEET ON CENTER. CONCRETE PAVEMENT SHALL BE SIX (6) INCHES MINIMUM OF CLASS 3000 CONCRETE OVER FOUR (4) INCHES MINIMUM OF CRUSHED SURFACING TOP COURSE. CONCRETE MATERIALS, WORK, CURING AND TESTING SHALL CONFORM TO THE REQUIREMENTS OF DIVISION 6-02 OF THE STANDARD SPECIFICATIONS.

11. ASPHALT PAVEMENT - ASPHALT PAVEMENT THICKNESSES SHALL CONFORM TO THE GEOTECHNICAL RECOMMENDATIONS. ALL ASPHALT PAVING PROCEDURES AND MATERIALS SHALL CONFORM TO SECTIONS 5-04, 9-02 & 9-03 OF THE WSDOT/APWA STANDARD SPECIFICATIONS EXCEPT WHERE SUPERCEDED BY THE LOCAL JURISDICTION REQUIREMENTS AND / OR THE GEOTECHNICAL REPORT. WHERE NEW ASPHALT PAVEMENT JOINS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAWCUT TO A NEAT, VERTICAL EDGE AND TACKED WITH ASPHALT EMULSION IN ACCORDANCE WITH WSDOT SPECIFICATIONS.

12. CRUSHED ROCK TOP COURSE - ALL CRUSHED SURFACING TOP COURSE SHALL BE IN CONFORMANCE WITH SECTION 9-03.9(3) OF THE WSDOT/APWA STANDARD SPECIFICATIONS.

13. CEMENT CONCRETE CURBS - INTEGRAL CEMENT CONCRETE CURBS SHALL BE PER DETAILS WITHIN THIS PLAN SET AND THE WSDOT / APWA STANDARDS. CEMENT CONCRETE CURBS SHALL BE CLASS 3000 CONCRETE IN CONFORMANCE WITH THE REQUIREMENTS OF SECTION 6-02 AND 8-04 OF THE WSDOT/APWA STANDARD SPECIFICATIONS.

14. RETAINING WALLS - THE RETAINING WALLS OVER 4 FEET IN HEIGHT SHALL BE DESIGNED BY THE STRUCTURAL ENGINEER. WALLS LESS THAN 4 FEET IN HEIGHT SHALL BE KEYSTONE BLOCK WALLS TO BE INSTALLED PER THE MANUFACTURERS STANDARDS.

15. STRIPING & PAVEMENT MARKINGS - APPLY PAVEMENT MARKING MATERIALS TO CLEAN, DRY PAVEMENT SURFACES ACCORDING TO WSDOT STANDARD SPECIFICATION 8-22. PAVEMENT MARKINGS SHALL COMPLY WITH THE MUTCD AND REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.

16. DOOR APPROACHES - THE RUNNING- AND CROSS- SLOPES AT DOOR APPROACHES SHALL NOT EXCEED 2.0% FOR A DISTANCE OF 5-FEET IN FRONT OF THE DOOR. SEE 2010 ADAAG 404.2.4 FOR ADDITIONAL DETAILS.

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01/10/2020

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
SEQUIM, WASHINGTON

FOR PLAN CHECK REVIEW

REV	DATE	DESCRIPTION

PROJ. NO.	191652
DRAWN	KB
CHECKED	**ALH**
DATE	JAN 10, 2020

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SHEET TITLE:
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SHEET OF

UTILITY NOTES

1. EXISTING UTILITY LOCATIONS - EXISTING UTILITY AND OTHER SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS HAS BEEN COMPILED FROM THE BEST INFORMATION AVAILABLE. THIS INFORMATION, HOWEVER, IS NOT GUARANTEED TO BE ACCURATE OR COMPLETE. CONTRACTOR TO LOCATE (INCLUDING ELEVATION) ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING FOR CONSTRUCTION. FOR AID IN UTILITY LOCATION, CALL 1-800-424-5555, A MINIMUM OF 48 HOURS (2 WORKING DAYS) PRIOR TO BEGINNING OF CONSTRUCTION.

1. CONNECTIONS TO THE EXISTING UTILITIES - CONNECT UTILITY PIPING TO EXISTING SYSTEM ACCORDING TO REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION. ARRANGE WITH THE GOVERNING REGULATORY AGENCY OR UTILITY COMPANY FOR TAP OF SIZE AND IN LOCATION INDICATED. COORDINATE REQUIREMENTS AND SCHEDULING WITH AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL ASSUME ALL RESPONSIBILITY AND COSTS CONNECTED THEREWITH TO PROTECT, MAINTAIN AND REPAIR, WHERE NECESSARY.

2. UTILITY COVER & CLEARANCES - BURY PIPING WITH DEPTH OF COVER IN COMPLIANCE WITH REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION AND MANUFACTURER'S REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE AUTHORITIES HAVING JURISDICTION FOR ALL REQUIREMENTS AND TO CONFIRM THAT AN ADEQUATE DEPTH OF COVER IS MAINTAINED OVER THE UTILITIES, INCLUDING CLEARANCES BETWEEN THE VARIOUS UTILITIES.

3. FITTINGS AND JOINTS - FOR EACH TYPE OF PIPE, USE JOINING MATERIALS RECOMMENDED BY PIPING SYSTEM MANUFACTURER, UNLESS OTHERWISE INDICATED.

4. BUILDING CONNECTIONS - UTILITIES SHALL BE STUBBED FIVE (5) FEET OUTSIDE OF THE BUILDING. THE SITE CONTRACTOR SHALL COORDINATE CONTINUATION OF UTILITY SERVICES AND UTILITY CONNECTIONS TO THE BUILDING WITH THE BUILDING CONTRACTOR AND BUILDING PLANS. A PLUG SHALL BE INSTALLED AT THE END OF SERVICE LINES UNTIL SUCH TIME THAT SERVICE IS EXTENDED TO THE BUILDING FOR CONNECTION.

5. ELECTRICAL COORDINATION - REFER TO ELECTRICAL PLANS FOR INFORMATION REGARDING SITE LIGHTING, POWER, AND COMMUNICATIONS. COORDINATE REQUIREMENTS AND SCHEDULING FOR POWER AND UTILITY INSTALLATIONS WITH UTILITY PURVEYOR, INCLUDING TRENCH EXCAVATION, BEDDING, AND BACKFILL REQUIREMENTS.

6. MECHANICAL COORDINATION - REFER TO PLUMBING PLANS FOR INFORMATION ON CONNECTION POINTS, ELEVATIONS AND MATERIALS.

7. FIELD CONTROL - FIELD QUALITY CONTROL SHALL COMPLY WITH THE AUTHORITIES HAVING JURISDICTION. INSPECT, TEST, DISINFECT, AND CLEAN UTILITY LINES IN ACCORDANCE WITH REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.

8. PIPE TRENCH & BEDDING - ALL PIPE SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN CONFORMANCE WITH THE REQUIREMENTS OF WSDOT/APWA SPECIFICATION 7-04.3(1). THIS SHALL INCLUDE NECESSARY LEVELING OF THE TRENCH BOTTOM OR THE TOP OF THE FOUNDATION MATERIAL AS WELL AS PLACEMENT AND COMPACTION OF REQUIRED BEDDING MATERIAL TO UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF THE PIPE WILL BE SUPPORTED ON A UNIFORMLY DENSE, UNYIELDING BASE. IF THE NATIVE MATERIAL IN THE BOTTOM OF THE TRENCH MEETS THE REQUIREMENTS FOR "GRAVEL BACKFILL FOR PIPE BEDDING" THE FIRST LIFT OF PIPE BEDDING MAY BE OMITTED, PROVIDED THE MATERIAL IN THE BOTTOM OF THE TRENCH IS LOOSENED, REGRADED AND COMPACTED TO FORM A DENSE UNYIELDING BASE.

9. TRENCH BACKFILL - TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT MAXIMUM DENSITY, IN ACCORDANCE WITH SECTION 7-04.3(3) OF THE WSDOT/APWA STANDARD SPECIFICATIONS. BACKFILL OF TRENCHES SHALL BE PER SECTION 9-03.12(3) OF THE WSDOT/APWA STANDARD SPECIFICATIONS.

10. TRENCH SURFACE RESTORATION - THE GROUND SURFACES OF ALL TRENCHES IN THE PUBLIC RIGHT-OF-WAY OR ON OFF-SITE PROPERTIES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION IN CONFORMANCE WITH THE REQUIREMENTS OF THE LOCAL JURISDICTION.

11. COMPACTION - ALL TRENCH BACKFILL AND ROADWAY EMBANKMENT SHALL BE COMPACTED TO A MINIMUM 95% OF MODIFIED PROCTOR DRY MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.

12. UTILITY TAPE - UTILITY PIPE AND CONDUITS SHALL BE INSTALLED WITH CONTINUOUS WARNING TAPE DIRECTLY OVER PIPING AT DEPTHS IN COMPLIANCE WITH THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION AND AT OUTSIDE EDGE OF UNDERGROUND STRUCTURES. USE DETECTABLE WARNING TAPE OVER NONFERROUS PIPING.

STORMWATER / DRAINAGE NOTES

1. GENERAL STORMWATER - DRAWING PLANS AND DETAILS INDICATE GENERAL LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITY AND STORM DRAIN PIPING. LOCATION AND ARRANGEMENT OF PIPING LAYOUT TAKE DESIGN CONSIDERATIONS INTO ACCOUNT. INSTALL PIPING AS INDICATED, TO EXTENT PRACTICAL. WHERE SPECIFIC INSTALLATION IS NOT INDICATED, FOLLOW PIPING MANUFACTURER'S WRITTEN INSTRUCTIONS AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. PIPE LENGTHS, MANHOLE DEPTHS, ETC., AS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING PROPER QUANTITIES OF MATERIALS. REFER TO ARCHITECTURAL AND MECHANICAL DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING ROOF DRAINS AND CANOPY DRAINS.

2. CATCH BASINS - CATCH BASINS SHALL BE WSDOT/APWA TYPE I OR TYPE 2 WITH LOCKING LIDS AS INDICATED ON THE PLANS, AND SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 7-05 OF THE WSDOT/APWA STANDARD SPECIFICATIONS.

3. STORM DRAIN PIPE - STORM DRAIN PIPE 10 INCHES IN DIAMETER OR SMALLER SHALL BE EITHER WATER-TIGHT JOINTED, POLYVINYL CHLORIDE (PVC) CONFORMING TO ASTM 3034, SDR 35, OR ADS N-12 SMOOTH INTERIOR CORRUGATED PIPE, OR APPROVED EQUAL, EXCEPT AS SHOWN ON THE PLAN, AND NOTED HEREIN. STORM DRAIN PIPE 12 INCHES IN DIAMETER AND LARGER SHALL BE SMOOTH INTERIOR CORRUGATED PIPE PER AASHTO M 294 TYPES, CONCRETE CONFORMING TO ASTM C77B OR APPROVED EQUAL. STORM DRAIN PIPE THAT IS LOCATED BELOW AN AREA WHICH WILL BE DRIVEN OVER, AND WHICH HAS LESS THAN TWO FEET OF COVER, SHALL BE CEMENT MORTAR LINED DUCTILE IRON PIPE CONFORMING TO ANSI A21.51, CLASS 50. STORM DRAIN PIPE WHICH PENETRATES FOUNDATION WALLS OR RETAINING WALL FOOTINGS SHALL BE INSTALLED WITH CAST IRON SLEEVES. STORM DRAIN PIPE WHICH CROSSES UNDERNEATH BUILDING OR RETAINING WALL FOOTINGS SHALL BE INSTALLED IN DUCTILE IRON CASING AND GROUTED IN PLACE. STORM DRAIN PIPE SHALL BE INSTALLED IN CONFORMANCE WITH THE REQUIREMENTS OF DIVISION 7-04 OF THE WSDOT/APWA STANDARD SPECIFICATIONS.

4. PERFORATED PIPE - ALL PERFORATED DRAIN PIPE SHALL BE RIGID PERFORATED POLYVINYL CHLORIDE (PVC) UNDER DRAIN PIPE CONFORMING TO THE REQUIREMENTS OF DIVISION 9-05.2(6) OF THE WSDOT/APWA STANDARD SPECIFICATIONS, OR APPROVED EQUAL, AND SHALL BE INSTALLED IN CONFORMANCE WITH THE UNDER DRAIN REQUIREMENTS OF THE WSDOT/APWA STANDARD SPECIFICATIONS.

5. DOWNSPOUTS - DOWNSPOUTS SHALL BE TIGHT-LINED TO THE DRAINAGE SYSTEM AS SHOWN ON THE PLAN. DOWNSPOUTS SHALL NOT BE CONNECTED TO FOOTING DRAINS.

6. FOOTING, ROOF, WALL & PLANTER DRAINS - FOOTING DRAINS, WALL DRAINS, ROOF DRAINS AND PLANTER DRAINS SHALL BE BE TIGHTLINED TO THE DRAINAGE SYSTEM. ROOF DRAINS SHALL NOT BE CONNECTED TO FOOTING DRAINS.

7. GRAVEL BACKFILL FOR DRAINS - GRAVEL BACKFILL FOR DRAINS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 9-03.12(4) OF THE APWA/WSDOT STANDARD SPECIFICATIONS.

8. CLEAN-OUTS - CLEAN-OUTS SHALL BE PROVIDED IN BUILDING DRAINS AT ENDS, BENDS (45 DEGREES MAXIMUM, PER BEND) AND AT 100 FEET MAXIMUM INTERVALS INCLUDING THE HEIGHT OF THE RISER. CLEAN-OUTS IN PAVED AREAS SHALL BE PER WSDOT/APWA STANDARD PLAN NO. B-18B. REFER TO THE DETAIL IN THIS PLAN SET FOR CLEAN-OUTS INSTALLED IN LANDSCAPED AREAS.

9. CLEANING & TESTING - CLEANING & TESTING OF THE STORM DRAIN SYSTEM SHALL BE PERFORMED IN CONFORMANCE WITH SECTIONS 7-04 AND 7-07 OF THE STANDARD SPECIFICATIONS, EXCEPT AS MODIFIED OR SUPERSEDED BY THE LOCAL JURISDICTION. THE STORM DRAIN SYSTEM SHALL BE CLEANED OF ALL DIRT, ROCK AND DEBRIS PRIOR TO FINAL ACCEPTANCE OF THE WORK.

10. BIORETENTION PONDS - BIORETENTION PONDS TO BE INSTALLED PER THE DETAILS SHOWN ON THESE PLANS AND SHALL CONFORM TO THE DESIGN REQUIREMENTS IN THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANUAL FOR WESTERN WASHINGTON (SWMWW), 2014. INFILTRATION IS TO BE USED FOR THE FLOW CONTROL AT THIS SITE, SO THE AREAS OF THE BIORETENTION FACILITIES ARE TO BE PROTECTED FROM VEHICLE TRAFFIC DURING CONSTRUCTION. SOIL MEDIA AND PLANTS TO BE USED WITHIN THE PONDS IS TO CONFORM TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANUAL FOR WESTERN WASHINGTON (SWMWW) STANDARDS.

11. WATER QUALITY FILTER STRIP - WATER QUALITY FILTER STRIPS TO BE INSTALLED PER THE DETAILS SHOWN ON THESE PLANS AND SHALL CONFORM TO THE DESIGN REQUIREMENTS IN THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANUAL FOR WESTERN WASHINGTON (SWMWW), 2014. SOIL MEDIA AND PLANTS TO BE USED WITHIN THE FILTER STRIPS IS TO CONFORM TO THE SWMWW STANDARDS.

12. WATER QUALITY BIOSWALES - WATER QUALITY BIOSWALES TO BE INSTALLED PER THE DETAILS SHOWN ON THESE PLANS AND SHALL CONFORM TO THE DESIGN REQUIREMENTS IN THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANUAL FOR WESTERN WASHINGTON (SWMWW), 2014. SOIL MEDIA AND PLANTS TO BE USED WITHIN THE BIOSWALES IS TO CONFORM TO THE SWMWW STANDARDS.

WATER NOTES

1. GENERAL WATER - ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF SEQUIM STANDARD PLANS AND SPECIFICATIONS UNLESS OTHERWISE SPECIFIED BY THE AHJ. ALL WATER SYSTEM IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE APPROVED PLANS. ANY DEVIATION FROM THE PLANS WILL REQUIRE APPROVAL FROM THE OWNER, ENGINEER, DISTRICT AND APPROPRIATE PUBLIC AGENCIES.

2. PRE-CONSTRUCTION MEETING - PRIOR TO ANY CONSTRUCTION ACTIVITY, A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE UTILITY PURVEYOR, OWNER, PROJECT MANAGERS, ENGINEERS, CONTRACTOR(S), AND PROPOSED ON-SITE SUPERVISORS AS REQUIRED SHALL ATTEND.

3. SHUT DOWNS - NOTIFY OWNER 72 HOURS (3 WORKING DAYS) PRIOR TO BEGINNING CONSTRUCTION AND FOR ANY WATER SYSTEM SHUT DOWNS AND/OR RESTARTS OF WORK.

4. CONNECTIONS TO EXISTING - ALL NEW CONNECTIONS TO THE EXISTING WATER SYSTEM SHALL BE IN STRICT CONFORMANCE WITH THE REQUIREMENTS OF SECTION 7-15 OF THE WSDOT/APWA STANDARD SPECIFICATIONS, AS WELL AS APPROPRIATE SECTIONS OF THE COUNTY AND DOH STANDARDS. NO CONNECTION SHALL BE MADE BETWEEN THE NEW MAIN AND THE EXISTING MAINS UNTIL THE NEW PIPING HAS BEEN FLUSHED, DISINFECTED, TESTED AND RECEIVED SATISFACTORY BACTERIOLOGICAL TEST RESULTS. THE OWNER AND SOPHUS WELL SYSTEM TEAM SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO THE TIME THE DEVELOPER WOULD LIKE TO CONNECT TO EXISTING MAINS, OR FOR INSTALLATION OF TAPPING TEES. THE CONNECTION SHALL BE DONE IN ACCORDANCE WITH COUNTY AND AHJ REQUIREMENTS. ALL WATER SERVICE PIPES FROM THE MAIN TO THE METER WILL BE COPPER PIPE. ALL PIPES FROM THE METER TO THE BUILDINGS WILL BE HPDE PIPE UNLESS OTHERWISE SPECIFIED.

5. WATERMAIN PIPE - WATERMAIN PIPE SHALL BE DUCTILE IRON, AWWA CLASS 52 THICKNESS, WITH RUBBER GASKETS, PUSHON TYPE, OR MECHANICAL JOINT, MEETING AWWA SPECIFICATIONS. FITTINGS SHALL BE AWWA, CEMENT LINED, DUCTILE IRON, AND EITHER MECHANICAL JOINT OR FLANGED, AS INDICATED HEREIN. ALL PIPE TO BE PURCHASED AND INSTALLED AS PART OF THE DEVELOPERS WATER SYSTEM SHALL BE DELIVERED TO THE JOB SITE WITH WATER TIGHT WRAPPING OR PIPE PLUGS. PLUGS AND/OR WRAPPING SHALL REMAIN IN PLACE UNTIL THE PIPE IS INSTALLED IN THE TRENCH.

6. COPPER DOMESTIC SERVICE WATER PIPE - COPPER WATER PIPE SHALL BE SOFT COPPER TYPE "K" CONFORMING TO THE REQUIREMENTS OF SECTION 9-30.6(3)A OF THE STANDARD SPECIFICATIONS.

7. POLYETHYLENE (PE) IRRIGATION SERVICE WATER PIPE - SERVICE PIPE SHALL BE EQUAL TO (OR GREATER THAN) CL-200-IPS PE PIPE 200 PSI, COLD FLARE TYPE. SERVICE LINE SHALL INCLUDE AWG-#10 COPPER TRACE WIRE ALONG ITS ENTIRE LENGTH AT ONE WRAP PER FOOT.

8. HDPE DOMESTIC SERVICE WATER PIPE - DOMESTIC WATER SERVICE PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) EXTRA HIGH MOLECULAR WEIGHT PLEXCO PE 3408 INDUSTRIAL PIPE, OR APPROVED EQUAL, SDR 11, RATED 160 PSI AS SHOWN ON PLANS. FITTINGS SHALL BE MOLDED, AS RECOMMENDED BY THE MANUFACTURER AND SHALL BE THE SAME STRENGTH AND STANDARD AS THE PIPE ON WHICH THEY ARE USED. JOINTS SHALL BE FUSION WELDED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL PIPE SHALL BE IN CONFORMANCE WITH AWWA C906 AND SHALL BEAR THE SEAL OF THE NATIONAL SANITATION FOUNDATION (NSF) FOR POTABLE WATER PIPE.

9. CLEARANCES - CONTRACTOR SHALL MAINTAIN A MINIMUM TEN (10) FEET OF HORIZONTAL SEPARATION BETWEEN WATER PIPE AND PIPE CARRYING NON-POTABLE WATER. AT CROSSINGS, PROVIDE A MINIMUM VERTICAL CLEARANCE OF 18 INCHES BETWEEN WATER PIPE (ABOVE) AND PIPE CARRYING NON-POTABLE WATER (BELOW). INSTALLATIONS FOR PIPE CARRYING NON-POTABLE WATER MAY BE INSTALLED AT A CLEARANCE LESS THAN THOSE STATED ABOVE IF THE NON-POTABLE LINE IS SLEEVED. THE SLEEVE PIPE SHALL BE ONE (1) SIZE LARGER THAN THE CONSTRUCTION PIPE. THE SLEEVE SHALL BE AT LEAST TWENTY (20) FEET IN LENGTH AND CENTERED ON THE CROSSING TO PROVIDE FOR A MINIMUM HORIZONTAL SEPARATION OF TEN (10) FEET EACH SIDE OF THE CROSSING, MEASURED PERPENDICULAR TO THE CROSSED LINE. EACH END OF THE SLEEVE SHALL BE SEALED WITH A FERNCO RUBBER COUPLER.

10. VALVES & FITTINGS - UNLESS OTHERWISE SPECIFIED, VALVES 12 INCHES AND SMALLER SHALL BE DUCTILE IRON RESILIENT SEATED GATE VALVES: ACCEPTABLE MANUFACTURERS ARE MUELLER, CLOW, M&H, U.S. PIPE AND AMERICAN FLOW CONTROL, SERIES 2500. VALVES LARGER THAN 12 INCHES SHALL BE DUCTILE IRON BUTTERFLY VALVES; ACCEPTABLE MANUFACTURERS ARE PRATT GROUNDHOG AND DRESSER 450. ALL VALVES SHALL BE INSTALLED WITH VALVE BOXES TO PROVIDE SERVICE ACCESS. ALL BOLTS ON WATER WORKS FITTINGS SHALL BE COATED WITH ARMITE ANTI-SEIZE COMPOUND NO. 609, OR EQUAL, PRIOR TO INSTALLATION. ALL WATER WORKS FITTINGS AND BOLTED ASSEMBLIES SHALL BE COMPLETELY COVERED WITH VISQUEEN PLASTIC, 4 MIL. THE END OF THE PLASTIC SHALL BE TAPE TO SECURE THEM TO THE PIPE.

11. HYDRANTS - HYDRANTS SHALL BE MUELLER CENTURION OR CLOW MEDALLION MEETING AWWA SPECIFICATIONS UNLESS OTHERWISE SPECIFIED BY THE LOCAL FIRE DISTRICT. HYDRANTS SHALL BE FURNISHED WITH THREADED OUTLETS, MEETING FIRE DISTRICT/DEPARTMENT STANDARDS. BOTH THRUST BLOCKING AND MEGALUGS RESTRAINTS ARE REQUIRED ON EACH HYDRANT INSTALLATION.

12. THRUST BLOCKS - PROVIDE THRUST BLOCKING AND/OR RESTRAINED JOINTS AT ALL FITTINGS, BENDS AND UPTHRUST FITTINGS, IN ACCORDANCE WITH DISTRICT STANDARDS, CONDITIONS AND SPECIFICATIONS.

13. IRRIGATION SYSTEMS - ALL COMMERCIAL, MULTI-FAMILY, INDUSTRIAL AND IRRIGATION SERVICES SHALL INCLUDE A AHJ APPROVED BACKFLOW PREVENTION ASSEMBLY LOCATED IMMEDIATELY BEHIND AND ON THE PROPERTY SIDE OF THE WATER METER. ALTERNATE LOCATIONS MAY BE ACCEPTABLE UPON APPROVAL BY THE AHJ. STRUCTURES REQUIRING FIRE SPRINKLER SYSTEM SHALL HAVE AT LEAST ONE BACKFLOW PREVENTION ASSEMBLY PER EACH STRUCTURE, PROTECTING THE POTABLE WATER SYSTEM FROM THE FIRE SYSTEM. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE LOCATED IN A FLOOD PROOF VAULT OR SERVICE BOX, DEPENDING ON SIZE, OUTSIDE THE STRUCTURE IN A LOCATION APPROVED BY THE AHJ.

14. MINIMUM COVER - WHERE ROAD GRADES ARE ESTABLISHED, PROVIDE A MINIMUM OF 48-INCH COVER OVER 12-INCH OR LARGER WATER MAINS, AND PROVIDE A MINIMUM OF 42-INCH COVER OVER 8-INCH MAINS; OR ADDITIONAL DEPTH AS REQUIRED TO MISS OTHER UTILITIES.

15. POST INDICATOR VALVE - A POST INDICATOR VALVE SHALL BE INSTALLED WHERE INDICATED ON THE PLANS PER THE CLALLAM COUNTY STANDARDS.

16. FIRE DEPARTMENT CONNECTION - THE FIRE DEPARTMENT CONNECTION SHALL BE INSTALLED 50 FEET FROM THE BUILDING AND SHALL CONFORM TO THE LOCAL FIRE DISTRICT STANDARDS AND THE CITY OF SEQUIM DESIGN STANDARDS.

17. WATER METERS & METER BOXES - WATER METERS & METER BOXES SHALL BE OF THE TYPE APPROVED AND/OR PROVIDED BY CITY OF SEQUIM UNLESS OTHERWISE SPECIFIED BY THE AHJ.

18. FIRE PROTECTION SPRINKLER SYSTEM - THE FIRE PROTECTION SPRINKLER SYSTEM INCLUDING MATERIALS, SIZING AND CONFIGURATION IS SUBJECT TO A CONTRACTOR PROVIDED DESIGN BY A FIRE PROTECTION ENGINEER AND, AS SUCH, THE FINAL DESIGN OF THE FIRE PROTECTION SPRINKLER SYSTEM MAY DEVIATE FROM THE SYSTEM SHOWN. THE WATER SERVICE PROVIDED SHALL BE CHECKED TO ENSURE THAT THE REQUIRED FIRE SPRINKLER SYSTEM FLOWS CAN BE PROVIDED PRIOR TO INSTALLATION OF THE BUILDING WATER SERVICE. THE CONTRACTOR SHALL COMPLY WITH ALL NATIONAL FIRE PROTECTION ASSOCIATION REQUIREMENTS AS SET FORTH BY NFPA 13, ITS AMENDMENTS AND LOCAL REQUIREMENTS, INCLUDING BUT NOT LIMITED TO ACQUISITION OF ALL PERMITS. ALL WORK ON UNDERGROUND PORTIONS OF THE FIRE PROTECTION SPRINKLER SYSTEM SHALL BE DONE AND CERTIFIED BY A LICENSED CONTRACTOR WHO HAS ACHIEVED A STATE LEVEL "U" CERTIFICATION. SUBCONTRACTING OF SUCH WORK TO PERSONS OR FIRMS NOT CURRENTLY LICENSED AS A FIRE PROTECTION SPRINKLER SYSTEM CONTRACTOR IS PROHIBITED UNDER WAC 212-80.

SANITARY SEWER NOTES

1. GENERAL SANITARY SEWER - ALL WORK PERFORMED- AND MATERIALS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST REVISION, INCLUDING ADDENDA AND UPDATES, OF THE SEQUIM SANITARY SEWER FORCE MAIN CONNECTION PROJECT DESIGN AS WELL AS ALL APPLICABLE DEPARTMENT OF HEALTH AND CITY OF SEQUIM STANDARDS.

2. SEWER GRAVITY PIPE - SIDE SEWER GRAVITY PIPE SHALL BE A MINIMUM OF 6 INCHES IN DIAMETER AND SHALL HAVE A MINIMUM SLOPE OF 2%. PVC PIPE SHALL BE SDR-35 ASTM D3034 FURNISHED IN 13-FOOT MAXIMUM LENGTHS, AND SHALL BE FULLY ENCASED IN WSDOT STANDARD BACKFILL DUCTILE IRON EXTENDING FROM 4 INCHES BELOW TO 12 INCHES ABOVE PIPE BARREL. IF USED, DUCTILE IRON (DI) SANITARY SEWER PIPE SHALL CONFORM TO AWWA C151 AND SHALL BE POLYETHYLENE OR EPOXY LINED, RESTRAINED JOINT. THE DI PIPE SHALL BE CLASS 52, UNLESS OTHERWISE APPROVED.

3. SEWER CLEAN OUTS - SEWER CLEAN OUTS SHALL BE LOCATED AS SHOWN ON THE PLANS AND SHALL BE THE SAME DIAMETER AS THE PIPE ON WHICH THEY ARE INSTALLED.

4. INSTALLATION - SANITARY SEWERS LINES SHALL BE LOCATED BELOW POTABLE WATER LINES, WITH 18-INCHES VERTICAL SEPARATION AND WITH A MINIMUM 10-FOOT HORIZONTAL SEPARATION FROM PARALLEL WATER LINES. CROSSING ANGLES SHELL BE 45 DEG. OR GREATER. UNUSUAL OR SPECIAL CONDITIONS ARE ADDRESSED IN ACCORDANCE WITH THE DEPARTMENT OF ECOLOGY AND DEPARTMENT OF HEALTH CRITERIA.

5. SANITARY SEWER MANHOLES - MANHOLES SHALL BE CONSTRUCTED AS PER DISTRICT STANDARD DETAILS, INCLUDING CONSTRUCTION OF CHANNELS, WHERE INDICATED, PROVIDE KNOCK-OUTS AND CHANNELIZATION FOR SIDE SEWER OR FUTURE MAINLINE EXTENSIONS. FOR PVC PIPE, PROVIDE A WATERTIGHT FLEXIBLE RUBBER BOOT OR HEAVY DUTY SAND COLLAR. PROVIDE LOCKING LIDS FOR MANHOLE COVERS.

6. CONNECTION TO EXISTING - CONNECTION TO EXISTING SEWER SYSTEM SHALL BE PERFORMED AS TO PREVENT ANY FOREIGN MATERIALS FROM ENTERING THE EXISTING SEWER. EXISTING PIPE IN SADDLE MANHOLE INSTALLATIONS SHALL NOT BE CUT OR REMOVED UNTIL INSTRUCTED TO DO SO BY THE OWNER. CONNECTION TO EXISTING MANHOLES SHALL BE MADE BY UTILIZATION OF A CONCRETE CORE DRILLING MACHINE OF ADEQUATE DIAMETER TO GROUT IN PLACE AN ADAPTER, IF PVC SEWER LINES ARE INSTALLED. ALIGN CORE-DRILLING MACHINE TO PROVIDE MINIMUM OF 0.10-FOOT DROP ACROSS THE MANHOLE.

7. CLEANING, TESTING & COMISSIONING - ALL SEWER LINES SHALL BE CLEANED AND TESTED IN ACCORDANCE WITH THE LOCAL JURISDICTION STANDARDS AND SPECIFICATIONS, AND VIDEO CAMERA-INSPECTED. A COPY OF THE INSPECTION SHALL BE GIVEN TO THE OWNER.

8. RESTORATION - ANY EXISTING PUBLIC IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN A MATTER TO BE APPROVED BY THE AHJ OR APPROPRIATE UTILITY OWNER. IF ROADWAY PAVEMENT MUST BE BROKEN, THE TRANSPORTATION DEPARTMENT WILL REPAIR THE STREET AND BILL THE SIDE SEWER CONTRACTOR FOR THIS WORK. A REGISTERED SIDE SEWER CONTRACTOR MAY RESTORE PARTS OF THE STREET AREA OTHER THAN THE ROADWAY SURFACE.

ABBREVIATIONS KEY

A/C	- ASPHALTIC CONCRETE
AD	- AREA DRAIN
BLDG	- BUILDING
BM	- BENCH MARK
BTM	- BOTTOM
CB	- CATCH BASIN
C&G	- CURB AND GUTTER
CL	- CHAIN LINK
CMP	- CORRUGATED METAL PIPE
CO	- CLEAN OUT
CONC	- CONCRETE
COS	- CITY OF SEATTLE
CW	- CONCRETE WALK
DC	- DROP CONNECTION
DD	- DECK DRAIN
DEMO	- DEMOLISH
DI	- DUCTILE IRON
DOM	- DOMESTIC
DS	- DOWNSPOUT
DWY	- DRIVEWAY
ELEC	- ELECTRICAL
ELEV	- ELEVATION
EOP	- EDGE OF PAVEMENT
ESMT	- EASEMENT
EX	- EXISTING
FA	- FIELD ADJUST
FD	- FLOOR DRAIN
FDC	- FIRE DEPARTMENT CONNECTION
FF	- FINISH FLOOR
FH	- FIRE HYDRANT
FLR	- FLOOR
FV	- FIELD VERIFY
FT	- FEET
G	- GAS PIPE
GV	- GAS VALVE
GM	- GAS METER
GUY	- GUY ANCHOR
HB	- HOSE BIBB
IE	- INVERT ELEVATION
INV	- INVERT
LF	- LINEAL FEET
LL	- LOWER LEVEL
LOC	- LOCATION
LS	- LANDSCAPING
MON	- MONUMENT
MH	- MANHOLE
MON	- MONUMENT
P	- POWER
PA	- PLANTER AREA
PERF	- PERFORATED
PP	- POWER POLE
PS	- PUBLIC SEWER
PSD	- PUBLIC STORM DRAIN
PVC	- POLYVINYLCHLORIDE
PVMT	- PAVEMENT
RD	- ROOF DRAIN
S	- SEWER
S	- SLOPE
SAN	- SANITARY
SD	- STORM DRAIN
SHT	- SHEET
SQ	- SQUARE FEET
SS	- SANITARY SEWER
SSMH	- SANITARY SEWER MANHOLE
SSS	- SANITARY SIDE SEWER
ST	- STREET
T	- TELEPHONE
TBM	- TEMPORARY BENCH MARK
TD	- TRENCH DRAIN
TEL	- TELEPHONE
TESC	- TEMPORARY EROSION/ SEDIMENTATION CONTROL
TYP	- TYPICAL
UL	- UPPER LEVEL
UL	- UNDERGROUND POWER
UTP	- UTILITY POLE
VB	- VERTICAL BEND
W	- WATER
WM	- WATER METER
WS	- WATER SERVICE
WV	- WATER VALVE

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01/10/2020

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
SEQUIM, WASHINGTON

FOR PLAN CHECK REVIEW

REV	DATE	DESCRIPTION

PROJ. NO.	191652
DRAWN	KB
CHECKED	**ALH**
DATE	JAN 10, 2020

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SHEET TITLE:

NOTES AND ABBREVIATIONS

SHEET NO:

C1.2

SHEET OF

Jamestown S'Klallam Tribe Topographic Survey

located in Section 19, Township 30 North, Range 3 West, W.M.
Clallam County, Washington
July, 2019

LEGEND

- 05/03/2019, FOUND 5/8–INCH REBAR WITH CAP "CLALLAM PUD PLS 23603" AT N58°51'W, 0.60. SEE DNR PERMIT TO DESTROY MONUMENT NO. 5720
- MAY 2–7, 2019, FOUND 1/2–INCH REBAR WITH PLASTIC CAP STAMPED "DC&A LS 22329" OR "CUMMINS LS 22329" PER SURVEYS LISTED HEREON
- MAY 7, 2019, FOUND 5/8–INCH REBAR WITH PLASTIC CAP STAMPED "CLARK 12223" PER BOOK 13 OF PLATS, PAGES 20–21
- MAY 2, 2019, FOUND 3/8–INCH REBAR IN PAVEMENT
- AFN — CLALLAM COUNTY AUDITOR'S FILE NUMBER OF RECORD LEGAL DESCRIPTION
- HES — HIGHWAY ENGINEERS STATION
- BARBED WIRE FENCE, U.N.O.
- EDGE OF PAVEMENT
- OPEN DITCH

DATUM

HORIZONTAL
– NORTH AMERICAN DATUM OF 1983, 1991 ADJUSTMENT, NAD 83(91)

VERTICAL
– NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD 88

SITE BENCHMARKS AS NOTED

NOTES

1. THIS SURVEY USES THE SECTION SUBDIVISION AS SHOWN ON BOOK 61 OF SURVEYS, PAGE 13 AND BOOK 39 OF SURVEYS, PAGE 86 AND IS BASED ON THE WASHINGTON COORDINATE SYSTEM GRID, NORTH ZONE, NAD 83(91) PER TIES TO GEOMPT NUMBERS 03301931, 03303021 AND 04302441. ALL BEARINGS ARE RELATIVE TO SAID GRID. ALL DISTANCES ARE REDUCED TO SAID GRID USING A COMBINED SCALE FACTOR OF 0.9999328. TO OBTAIN GROUND DISTANCES, MULTIPLY DISTANCES SHOWN HEREON BY 1.0000672.

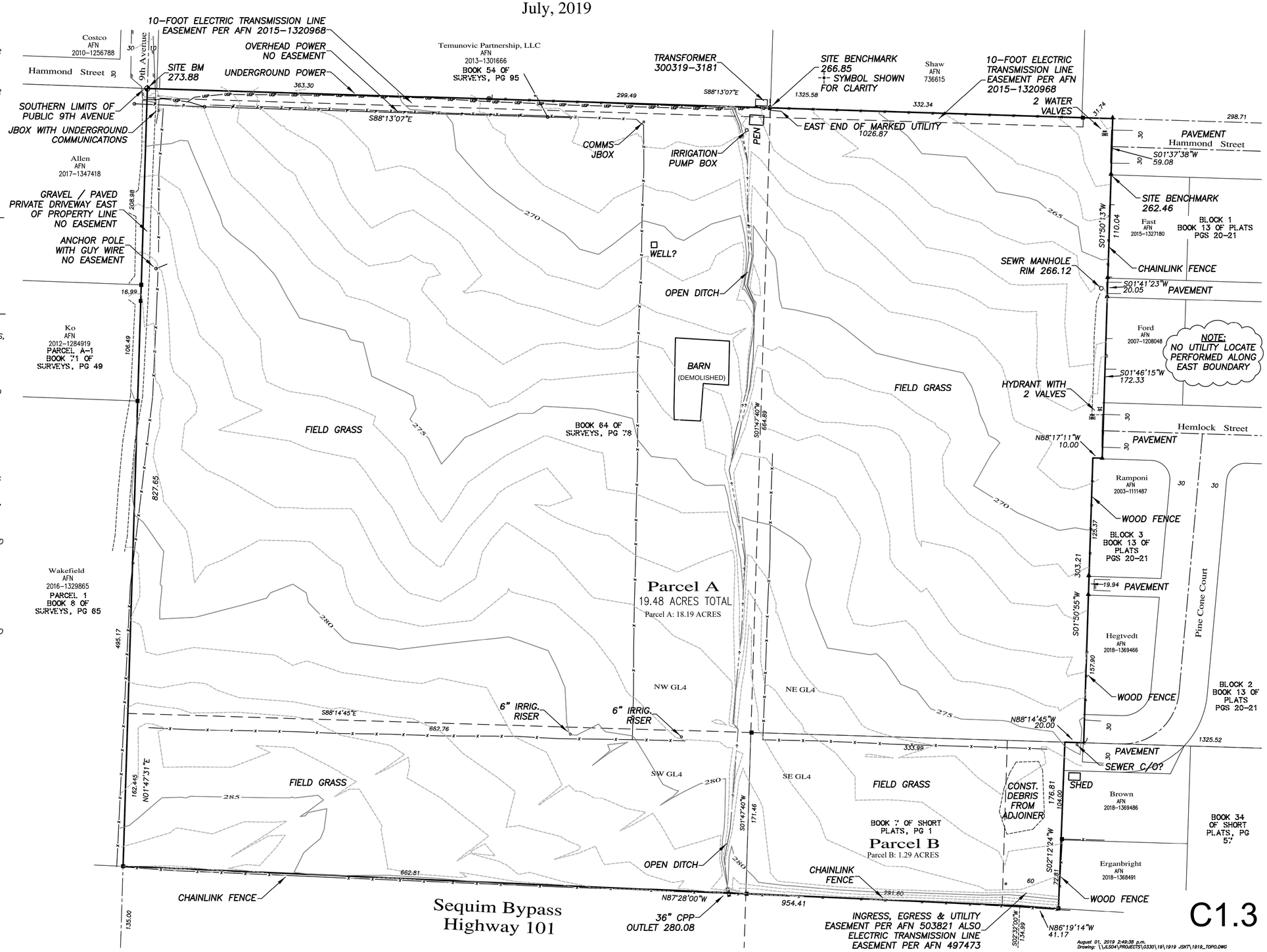
2. FOR LEGAL DESCRIPTION AND EASEMENTS, SEE AFN 2019–1379179 AND OLD REPUBLIC TITLE REPORT ORDER NO. 114860–DF, DATED 03/26/2019.

3. THIS SURVEY COMPLIES WITH W.A.C. 332–130–100 AND WAS ACCOMPLISHED IN MAY–JULY, 2019 BY FIELD TRAVERSE METHODS USING A TOPCON GPT 9001A 1–SECOND ROBOTIC TOTAL STATION CALIBRATED AT THE CLALLAM COUNTY BASELINE ON SEPTEMBER 17, 2015. SOME DISTANCES MEASURED WITH A STEEL TAPE.

4. THIS SURVEY WAS PERFORMED ACCORDING TO W.A.C. 332–130–090 STANDARDS FOR LAND BOUNDARY SURVEYS. THIS SURVEY WAS NOT PERFORMED OR CERTIFIED TO MEET THE CURRENT "MINIMUM STANDARD DETAIL REQUIREMENTS" OR "ACCURACY STANDARDS" FOR ALTA/ACSM LAND TITLE SURVEYS. THEREFORE, USE OF THIS MAP FOR THE ISSUANCE OF AN ALTA/ACSM OWNER'S EXTENDED COVERAGE POLICY IS STRICTLY PROHIBITED.

5. THE SURVEYED PARCEL MAY BE SUBJECT TO EASEMENTS OR OTHER ENCUMBRANCES EITHER RECORDED OR UNRECORDED NOT SHOWN HEREON. THIS SURVEY HAS NOT DETERMINED THE EXISTENCE OF ALL SUCH EASEMENTS OR ENCUMBRANCES OR THEIR EFFECT ON THE SURVEYED PARCEL EXCEPT AS SPECIFICALLY SHOWN HEREON.

6. THE UTILITIES SHOWN HEREON ARE BASED ON AND UTILITY LOCATE NO. 193200557 AND ABOVE GROUND OBSERVATIONS. THESE LOCATIONS SHOULD BE CONSIDERED APPROXIMATE AND POSSIBLY INCOMPLETE.



0 50 100
SCALE IN FEET
1–FOOT CONTOUR INTERVAL

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19(30–3)

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR LICENSED TO PRACTICE IN THE STATE OF WASHINGTON AND DECLARE THAT THIS MAP CORRECTLY REPRESENTS A SURVEY PERFORMED UNDER MY SUPERVISION AT THE REQUEST OF THE JAMESTOWN S'KLALLAM TRIBE IN MAY, 2019.

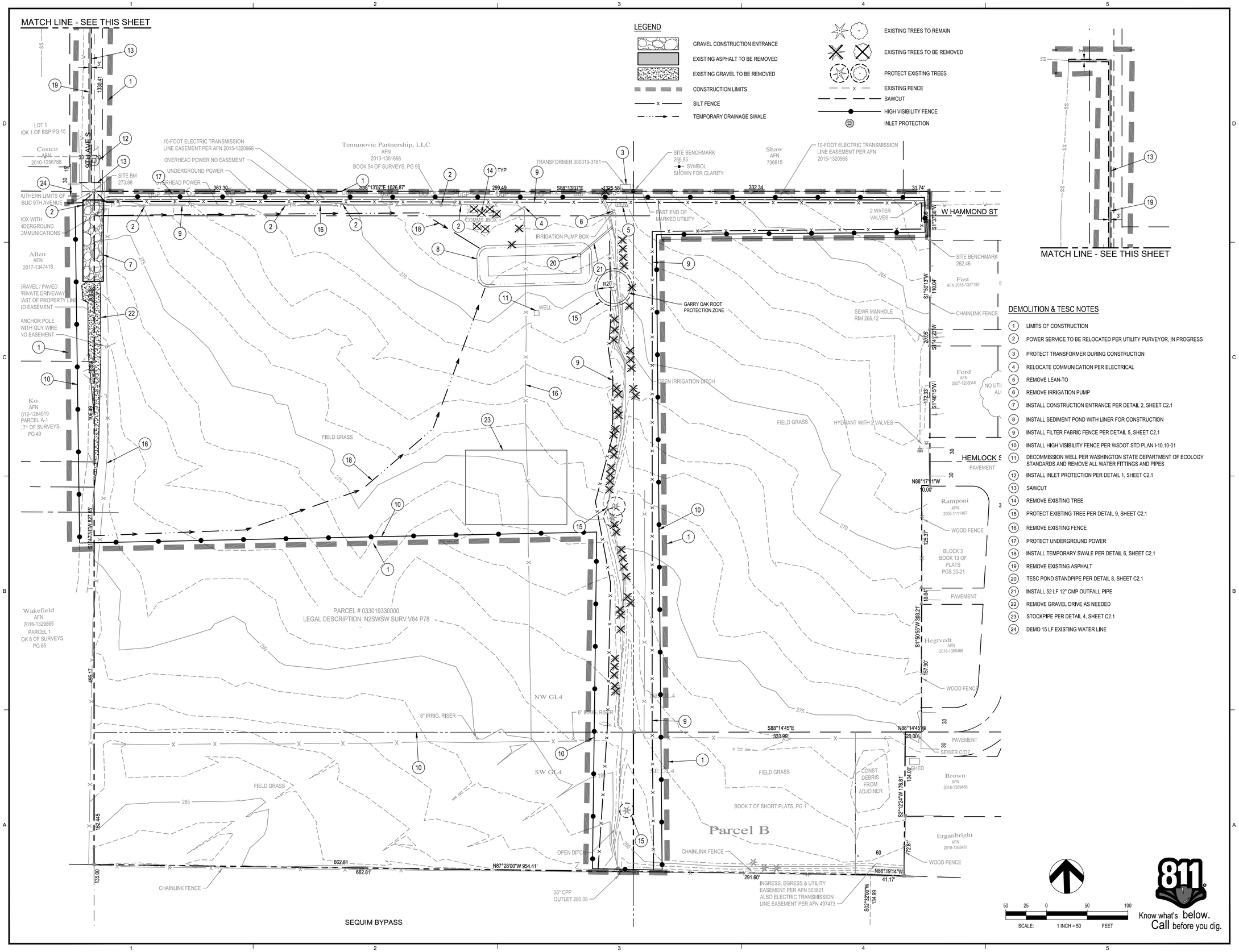
08/01/2019
ROB JOHNSTON PLS 37531

ROB JOHNSTON — REGISTERED PROFESSIONAL LAND SURVEYOR — STATE OF WASHINGTON — 37531

A SURVEY IN GOVERNMENT LOT 4, SECTION 19
TOWNSHIP 30 NORTH, RANGE 4 WEST, W.M.
CLALLAM COUNTY, WASHINGTON

Former "Dawley Property"
Proposed MAT Facilty
Topographic Survey, July 2019

DATE: 1/30/2018	
SCALE: 1"=50'	
DRAWN BY: RHJ	
PLAT CHECKED BY: RHJ	
SHEET 1 OF 1	



DEMOLITION & TESC NOTES

1. LIMITS OF CONSTRUCTION
2. POWER SERVICE TO BE RELOCATED PER UTILITY PURVEYOR, IN PROGRESS
3. PROTECT TRANSFORMER DURING CONSTRUCTION
4. RELOCATE COMMUNICATION PER ELECTRICAL
5. REMOVE LEAN-TO
6. REMOVE IRRIGATION PUMP
7. INSTALL CONSTRUCTION ENTRANCE PER DETAIL 2, SHEET C2.1
8. INSTALL SEDIMENT POND WITH LINER FOR CONSTRUCTION
9. INSTALL FILTER FABRIC FENCE PER DETAIL 5, SHEET C2.1
10. INSTALL HIGH VISIBILITY FENCE PER WSDOT STD PLAN I-10.10-01
11. DECOMMISSION WELL PER WASHINGTON STATE DEPARTMENT OF ECOLOGY STANDARDS AND REMOVE ALL WATER FITTINGS AND PIPES
12. INSTALL INLET PROTECTION PER DETAIL 1, SHEET C2.1
13. SAWCUT
14. REMOVE EXISTING TREE
15. PROTECT EXISTING TREE PER DETAIL 9, SHEET C2.1
16. REMOVE EXISTING FENCE
17. PROTECT UNDERGROUND POWER
18. INSTALL TEMPORARY SWALE PER DETAIL 6, SHEET C2.1
19. REMOVE EXISTING ASPHALT
20. TESC POND STANDPIPE PER DETAIL 8, SHEET C2.1
21. INSTALL 52 LF 12" CMP OUTFALL PIPE
22. REMOVE GRAVEL DRIVE AS NEEDED
23. STOCKPIPE PER DETAIL 4, SHEET C2.1
24. DEMO 15 LF EXISTING WATER LINE

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01/10/2020

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
SEQUIM, WASHINGTON

FOR PLAN CHECK REVIEW

REV	DATE	DESCRIPTION

PROJ. NO.	191652
DRAWN	KB
CHECKED	ALH
DATE	JAN 10, 2020

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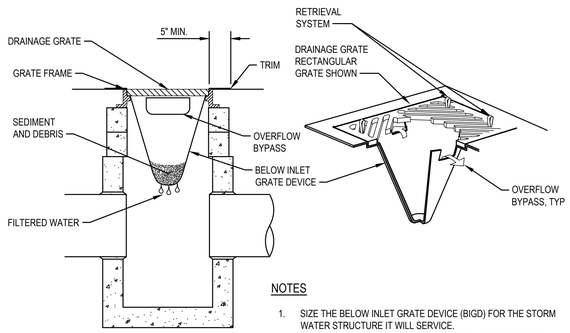
SHEET TITLE:

DEMOLITION AND TESC PLAN

SHEET NO:

C2.0

SHEET OF

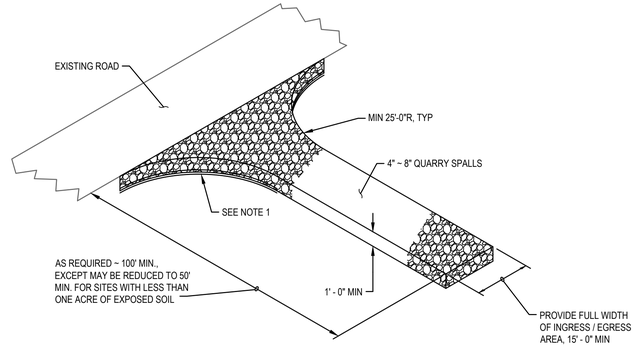


NOTES

1. SIZE THE BELOW INLET GRATE DEVICE (BIGD) FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
2. THE BIGD SHALL HAVE BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS)
3. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BIGD WITHOUT SPILLING THE COLLECTED MATERIAL.
4. PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION WSDOT 8-01.3915)

1 / C2.1 CB INLET PROTECTION TYPE 1

NTS

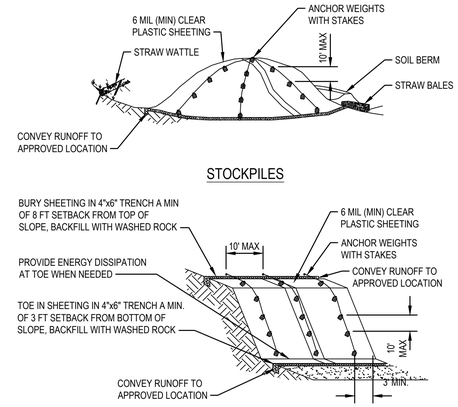


NOTES

1. PLACE CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION AND A MINIMUM OF 0.15' CRUSHED ROCK UNDER THE SPALLS, FROM THE EDGE OF THE EXISTING ROADWAY TO THE RADIUS RETURNS, OR AS DIRECTED BY THE ENGINEER.

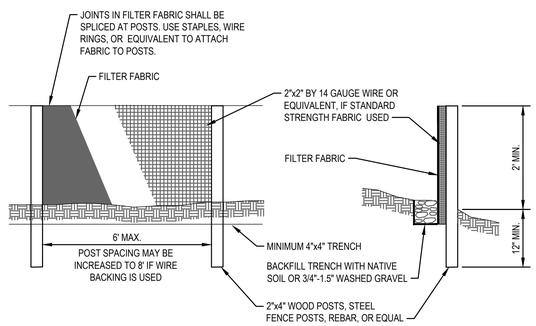
2 / C2.1 STABILIZED CONSTRUCTION ENTRANCE

NTS



4 / C2.1 STOCKPILE AND EXPOSED SLOPE COVERING

NTS



NOTES

1. FILTER FABRIC FENCE SHALL BE INSTALLED ALONG CONTOUR WHENEVER POSSIBLE.
2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE DEPARTMENT OF ECOLOGY'S BMP C233. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.
3. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO THE SEDIMENT POND.
4. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE AND/OR REMOVE THE TRAPPED SEDIMENT.
5. REMOVE THE SEDIMENT WHEN IT REACHES 6" HIGH.
6. FILTER FABRIC/GEOTEXTILE STANDARDS:

   POLYMERIC MESH AOS (ASTM D4751)
   - 0.60 MM MAXIMUM FOR SLIT FILM WOVEN (#30 SIEVE).
   - 0.30 MM MAXIMUM FOR ALL OTHER GEOTEXTILE TYPES (#50 SIEVE)
   - 0.15 MM MINIMUM FOR ALL FABRIC TYPES (#100 SIEVE).

   WATER PERMITTIVITY (ASTM D4491)
   - 0.02 SEC^{-1} MINIMUM

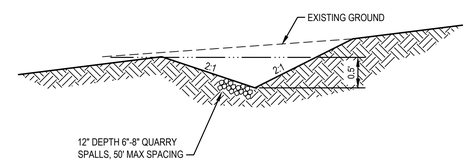
   GRAB TENSILE STRENGTH (ASTM D4632)
   - 180 LBS MINIMUM FOR EXTRA STRENGTH FABRIC
   - 100 LBS MINIMUM FOR STANDARD STRENGTH FABRIC

   GRAB TENSILE STRENGTH (ASTM) D4632)
   - 30% MAXIMUM

   ULTRAVIOLET RESISTANCE
   - 70% MINIMUM

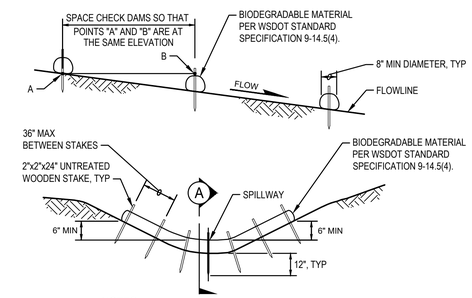
5 / C2.1 SILT FENCE

NTS



6 / C2.1 TEMPORARY SWALE DETAIL

NTS

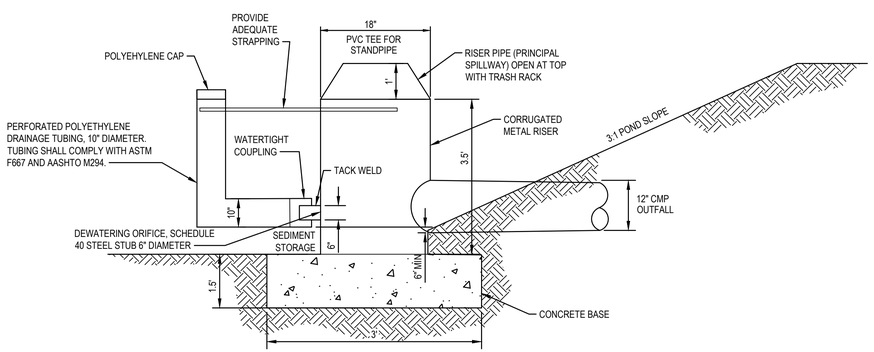


NOTES

1. BIODEGRADABLE CHECK DAMS MAY NEED ADDITIONAL OR MODIFIED STAKING TO PREVENT UNDERCUTTING OR SCOURING.
2. CHECK DAMS SHALL MEET THE REQUIREMENTS OF WSDOT STANDARD SPECIFICATIONS 8-01.3(6) AND 9-14.5(4).
3. IN CHANNELS, INSTALL THE SLOPED ENDS OF THE CHECK DAM A MINIMUM OF 8" HIGHER THAN THE SPILLWAY TO ENSURE WATER FLOWS OVER THE DAM AND NOT AROUND IT.
4. PERFORM MAINTENANCE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 8-01.3(15).
5. REMOVE CHECK DAMS IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 8-01.3(16).

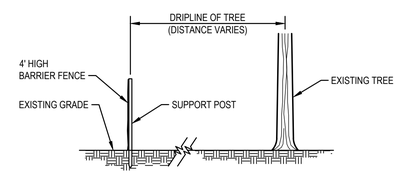
7 / C2.1 CHECK DAM

NTS



8 / C2.1 STANDPIPE

NTS



NOTES

1. NO CONSTRUCTION ACTIVITY ALLOWED WITHIN DRIPLINE OF TREES WITHOUT LANDSCAPE ARCHITECT APPROVAL AND OBSERVATION.
2. BARRIER FENCING SHALL BE LOCATED AT THE DRIPLINES OF EXISTING TREES LOCATED WITHIN OR NEAR THE CONSTRUCTION LIMITS, WHICH ARE NOT PROTECTED BY FILTER FABRIC FENCING.
3. FOR GARRY OAK TREES, A MINIMUM PROTECTION DISTANCE OF 20 FEET OR THE DRIPLINE OF THE TREE, WHICH EVER IS GREATER.

9 / C2.1 TREE PROTECTION

NTS

Know what's below. Call before you dig.

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01/10/2020

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
SEQUIM, WASHINGTON

FOR PLAN CHECK REVIEW

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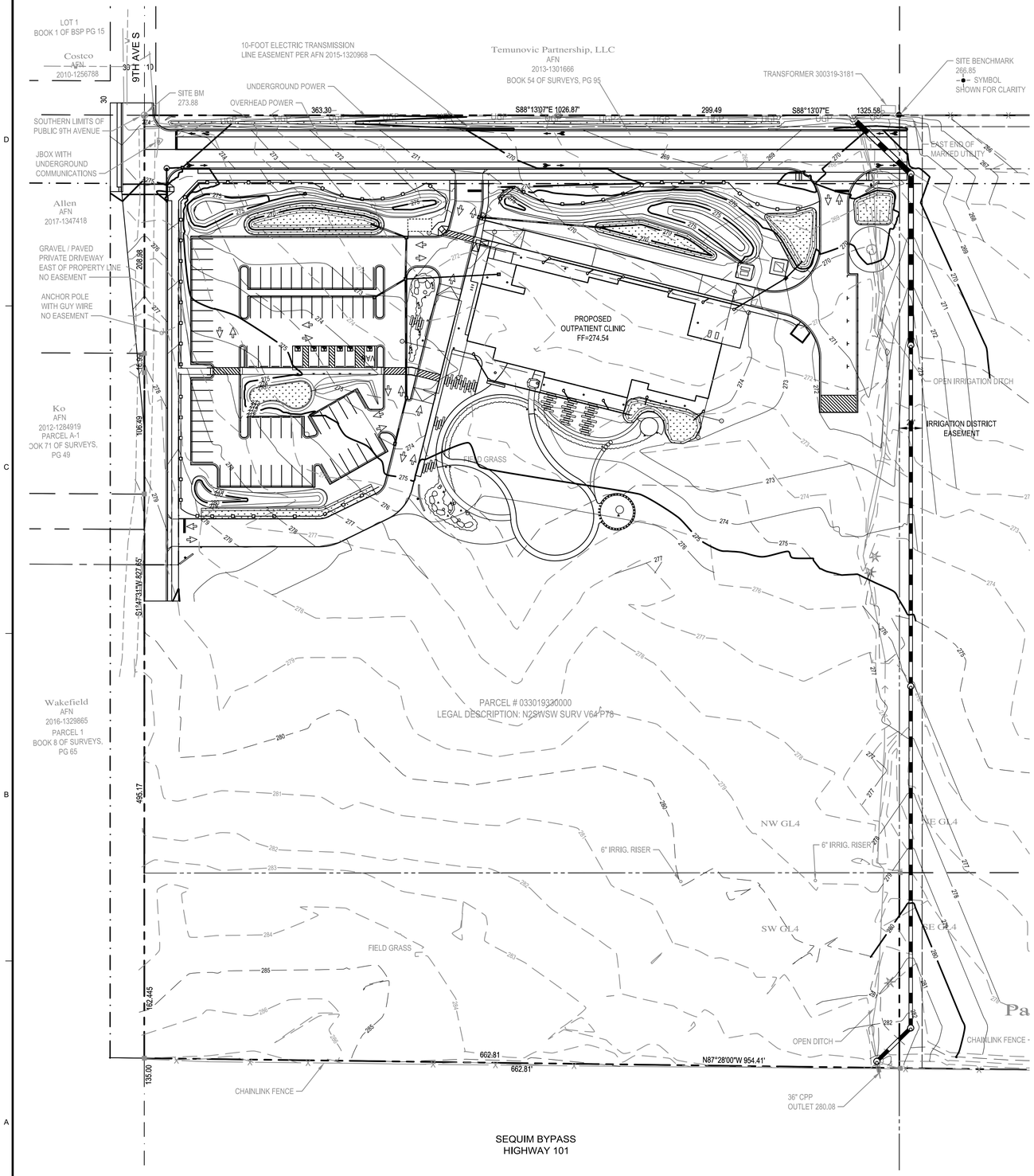
SHEET TITLE:

TESC DETAILS

SHEET NO:

C2.1

SHEET OF



LEGEND

—XX—	EXISTING CONTOUR
—XXX—	PROPOSED CONTOUR
XX.XX	FINISH GROUND ELEVATION
2.8%	FLOW DIRECTION WITH GRADE
— — —	GRADE BREAK

50 25 0 50 100

SCALE: 1 INCH = 50 FEET

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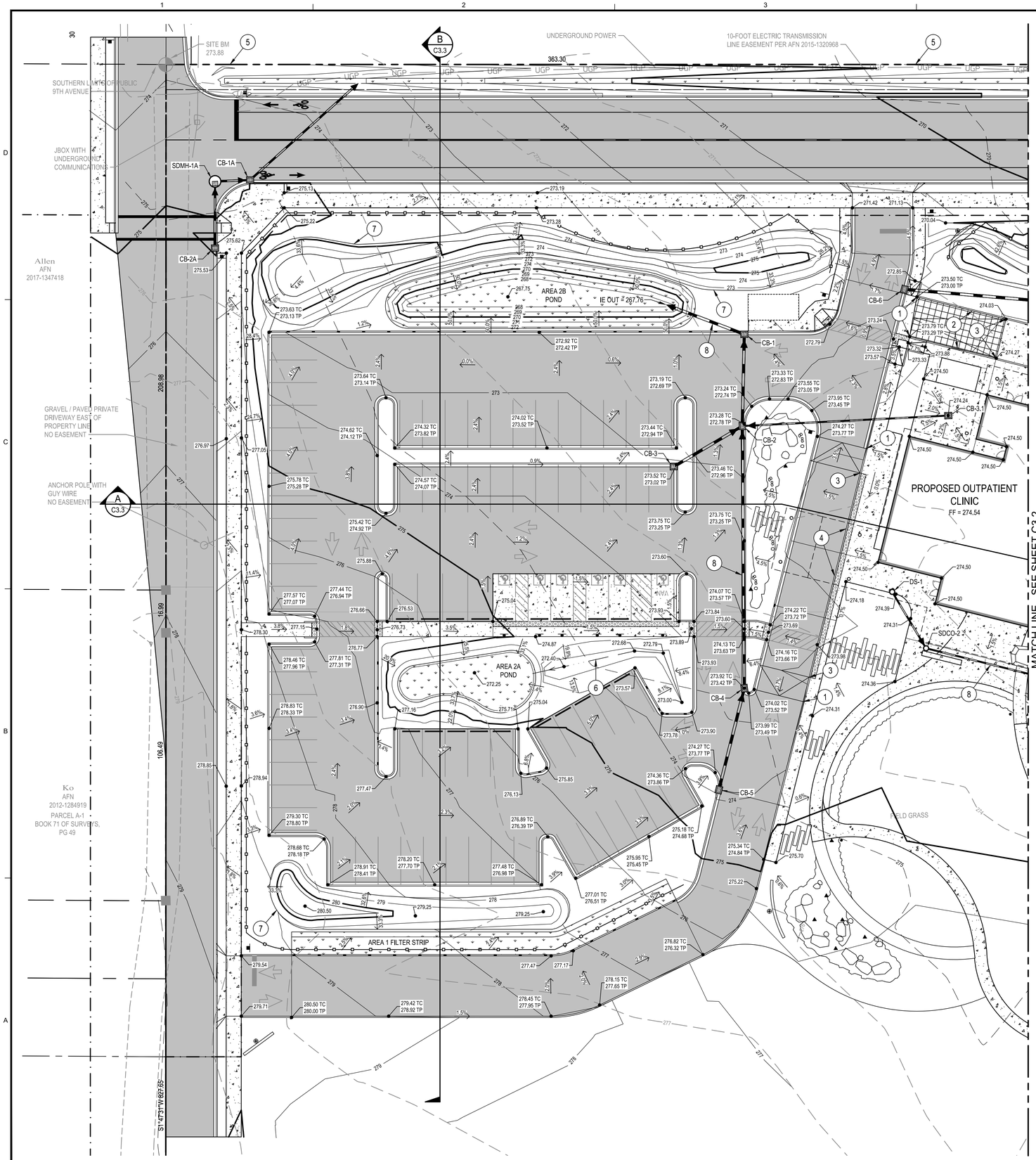
SHEET TITLE:

OVERALL GRADING AND STORMWATER DRAINAGE PLAN

SHEET NO:

C3.0

SHEET OF



LEGEND

—XX—	EXISTING CONTOUR
—XXX—	PROPOSED CONTOUR
XX.XX	FINISH GROUND ELEVATION
2.8%	FLOW DIRECTION WITH GRADE
— — —	GRADE BREAK

GRADING NOTES

1. BEGIN 6" CURB
2. TRANSITION FROM 6" CURB TO FLUSH CURB
3. BEGIN FLUSH CURB
4. SIDEWALK FLUSH WITH PAVEMENT
5. MATCH EXISTING GRADE
6. SWALE
7. BERM, PER LANDSCAPE ARCHITECT'S PLANS
8. STORM SYSTEM, REFER TO C5.1 & C5.2
9. HAND GRADING ONLY WITHIN DRIPLINE OF EXISTING TREE

20 10 0 20 40

SCALE: 1 INCH = 20 FEET

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DATE	JAN 10, 2020

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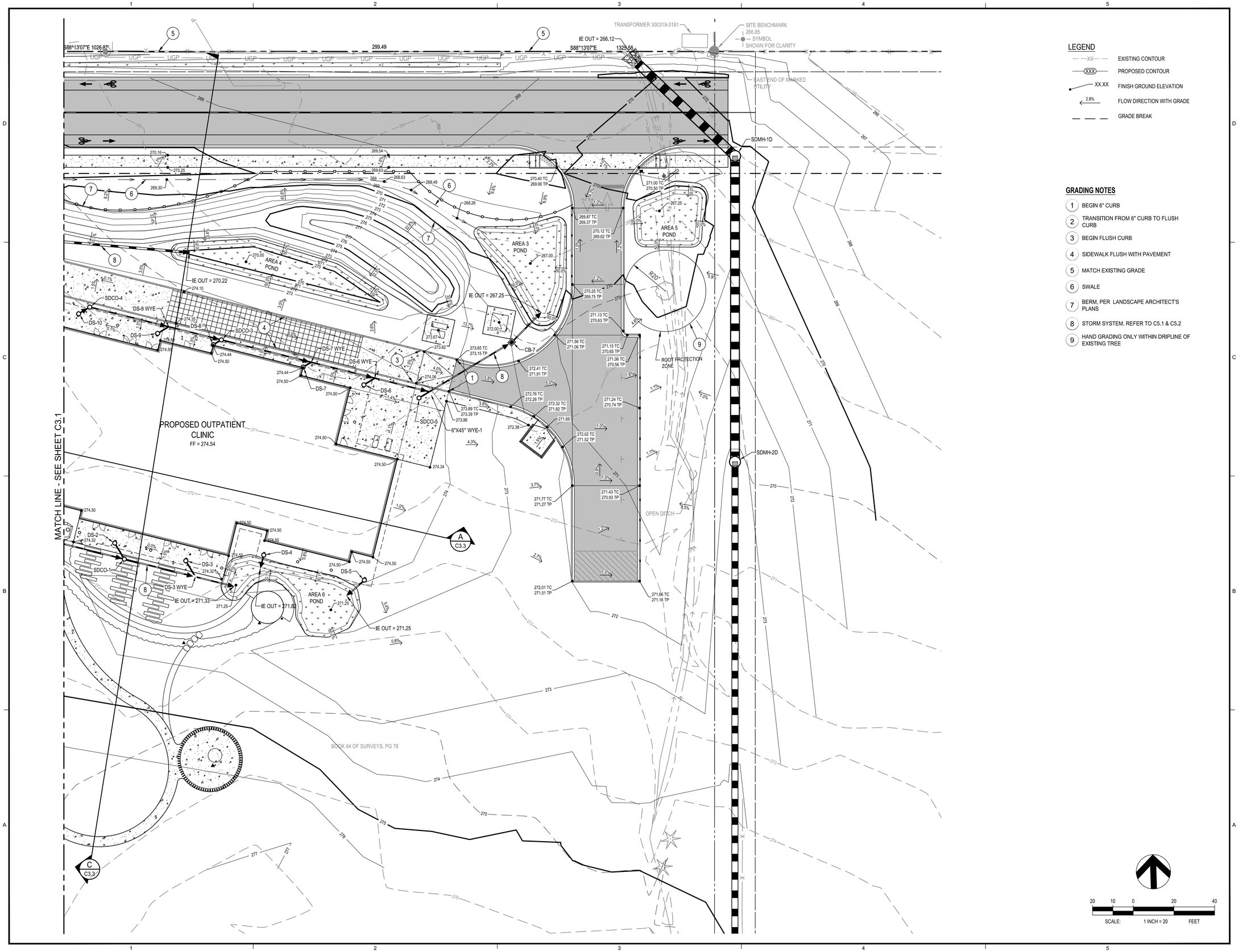
SHEET TITLE:

ENLARGED GRADING AND STORMWATER DRAINAGE PLAN - WEST

SHEET NO:

C3.1

SHEET OF



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- XX.XX FINISH GROUND ELEVATION
- 2.8% FLOW DIRECTION WITH GRADE
- GRADE BREAK

GRADING NOTES

1. BEGIN 6" CURB
2. TRANSITION FROM 6" CURB TO FLUSH CURB
3. BEGIN FLUSH CURB
4. SIDEWALK FLUSH WITH PAVEMENT
5. MATCH EXISTING GRADE
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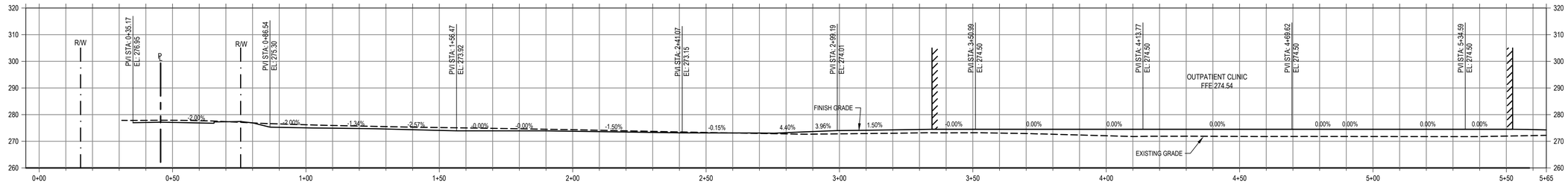
SHEET TITLE:

ENLARGED GRADING AND STORMWATER DRAINAGE PLAN - EAST

SHEET NO:

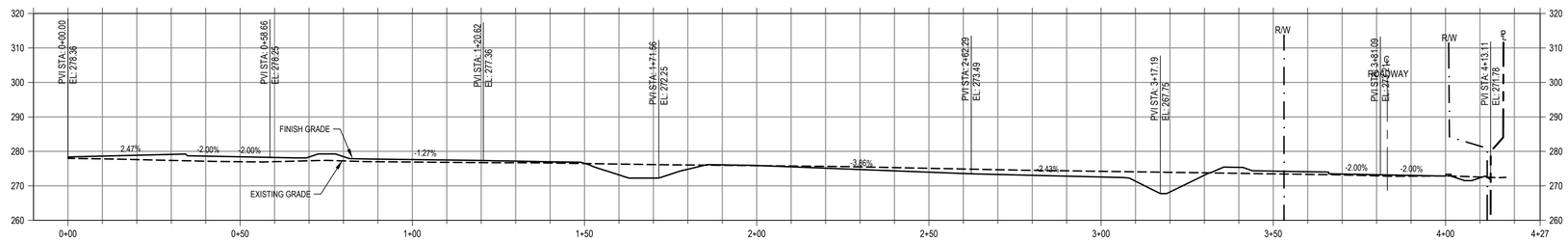
C3.2

SHEET OF



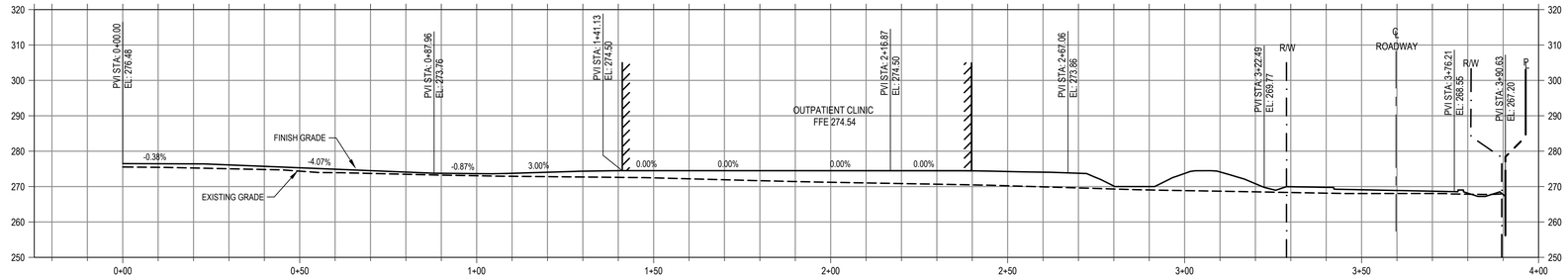
A C3.0 SITE - SECTION A

SCALE: 1" = 20' HORIZ & VERT



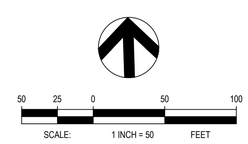
B C3.1 SITE - SECTION B

SCALE: 1" = 20' HORIZ & VERT



C C3.2 SITE - SECTION C

SCALE: 1" = 20' HORIZ & VERT



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ALLISON L. HILL — STATE OF WASHINGTON — 45458 — REGISTERED PROFESSIONAL ENGINEER

01/10/2020

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
SEQUIM, WASHINGTON

FOR PLAN CHECK REVIEW

REV	DATE	DESCRIPTION

PROJ. NO.	191652
DRAWN	XXX
CHECKED	XXX
DATE	JAN 10, 2020

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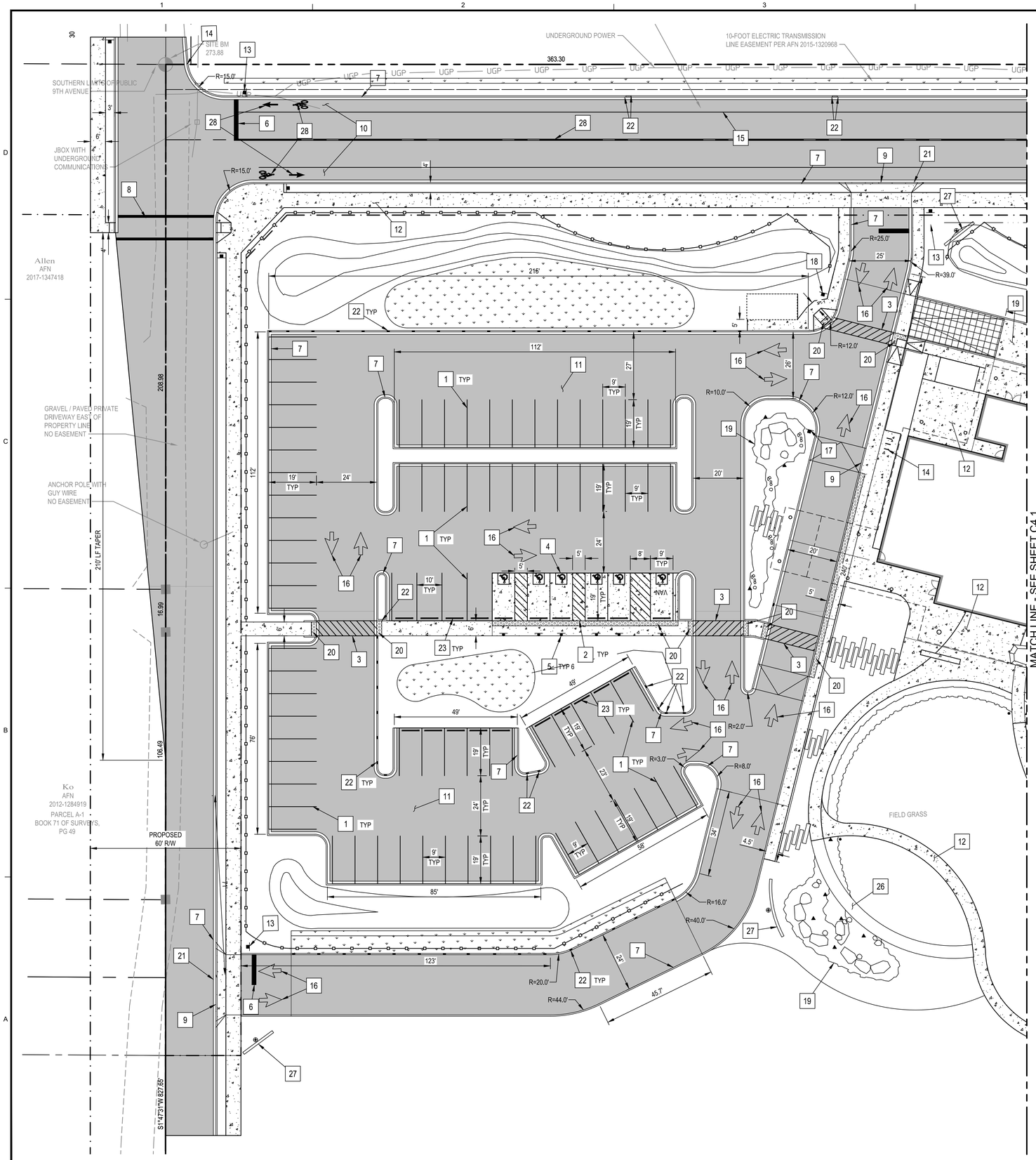
SHEET TITLE:

SITE CROSS SECTIONS

SHEET NO:

C3.3

SHEET OF



LEGEND

- CONCRETE SIDEWALK PER DETAIL 3, SHEET C4.2
- ASPHALT PAVEMENT PER DETAIL 2, SHEET C4.2
- GRASSCRETE PER LANDSCAPE ARCHITECT
- BIORETENTION PER DETAIL 3, SHEET C5.5
- FENCE
- LIGHT POLE
- DECORATIVE LIGHT BOLLARDS
- FIRE HYDRANT
- GROUND SPOT LIGHT
- SIGN

HORIZONTAL CONTROL NOTES

1. SITE DIMENSIONS ARE TO FACE OF CURB, FACE OF BUILDING, CENTER OF BOLLARD, CENTER OF PAINT STRIPE, AND EDGE OF PAVEMENT.
2. SITE COORDINATES ARE TO EDGE OF PAVEMENT OR EDGE OF SIDEWALK.
3. SIDEWALK DIMENSIONS ARE TO BACK OF CURB, EDGE OF PAVEMENT, AND FACE OF BUILDING.
4. CHANNELIZATION SHALL BE INSTALLED PER WSDOT STANDARD SECTION M.

PAVING AND STRIPING NOTES

1. PARKING LOT STALL STRIPING TO BE 4" SOLID WHITE (TYPICAL)
2. ADA STALL ACCESS AISLE TO BE 4" SOLID WHITE STRIPING AT 45° AT 2' O.C., SEE DETAIL 5, SHEET C4.2
3. CROSSWALK PER DETAIL 8, SHEET C4.2
4. ACCESS PARKING SPACE SYMBOL (STANDARD) PER WSDOT STD PLAN M-24.60-04 (TYPICAL)
5. ADA ACCESSIBLE PARKING SIGN PER MUTCD AND STATE LAWS AND REGULATIONS. SEE DETAIL 7,SHEET C4.2
6. 1'-6" WIDE STOP BAR PER WSDOT M-24.60-04
7. CONCRETE TRAFFIC CURB PER DETAIL 2, SHEET C4.3
8. CROSSWALK PER WSDOT STD M-15.10-01
9. FLUSH CURB, SEE SHEET C3.0 FOR TRANSITION TO TRAFFIC CURB
10. BICYCLE TRAVEL LANE
11. ASPHALT PAVEMENT PER DETAIL 2, SHEET C4.2
12. CONCRETE SIDEWALK PER DETAIL 3, SHEET C4.2
13. "STOP SIGN" PER MUTCD R1-1 INSTALLED PER WSDOT STD PLAN G-22.10-04
14. BICYCLE RACK. SEE LANDSCAPE PLANS.
15. 4" WIDE WHITE SOLID LANE LINE
16. DIRECTIONAL ARROW PER DETAIL 4, SHEET C4.3
17. "DO NOT ENTER" SIGN PER MUTCD R5-1 INSTALLED PER WSDOT STD PLAN G.22.10-04
18. "RIGHT TURN ONLY" SIGN
19. CONCRETE PAVING PER DETAIL6, SHEET C4.3
20. DETECTABLE WARNING SURFACE PER DETAIL 3, SHEET C4.3
21. CONCRETE DRIVEWAY PER DETAIL
22. NOSE DOWN CURB PER DETAIL 5, SHEET C4.3
23. CONCRETE WHEEL STOP PER DETAIL 4 SHEET C4.2
24. TRASH ENCLOSURE. SEE ARCHITECTURAL AND STRUCTURAL PLANS.
25. NO PARKING STRIPING PER DETAIL 5, SHEET C4.2
26. SURFACE MATERIAL PER LANDSCAPE ARCHITECT
27. MONUMENT SIGN PER LANDSCAPE ARCHITECT
28. SEE ROADWAY PLAN, SHEETC6.0

SCALE: 1 INCH = 20 FEET

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01/10/2020

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
SEQUIM, WASHINGTON

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REV	DATE	DESCRIPTION

PROJ. NO.	191652
DRAWN	MG
CHECKED	ALH
DATE	JAN 10, 2020

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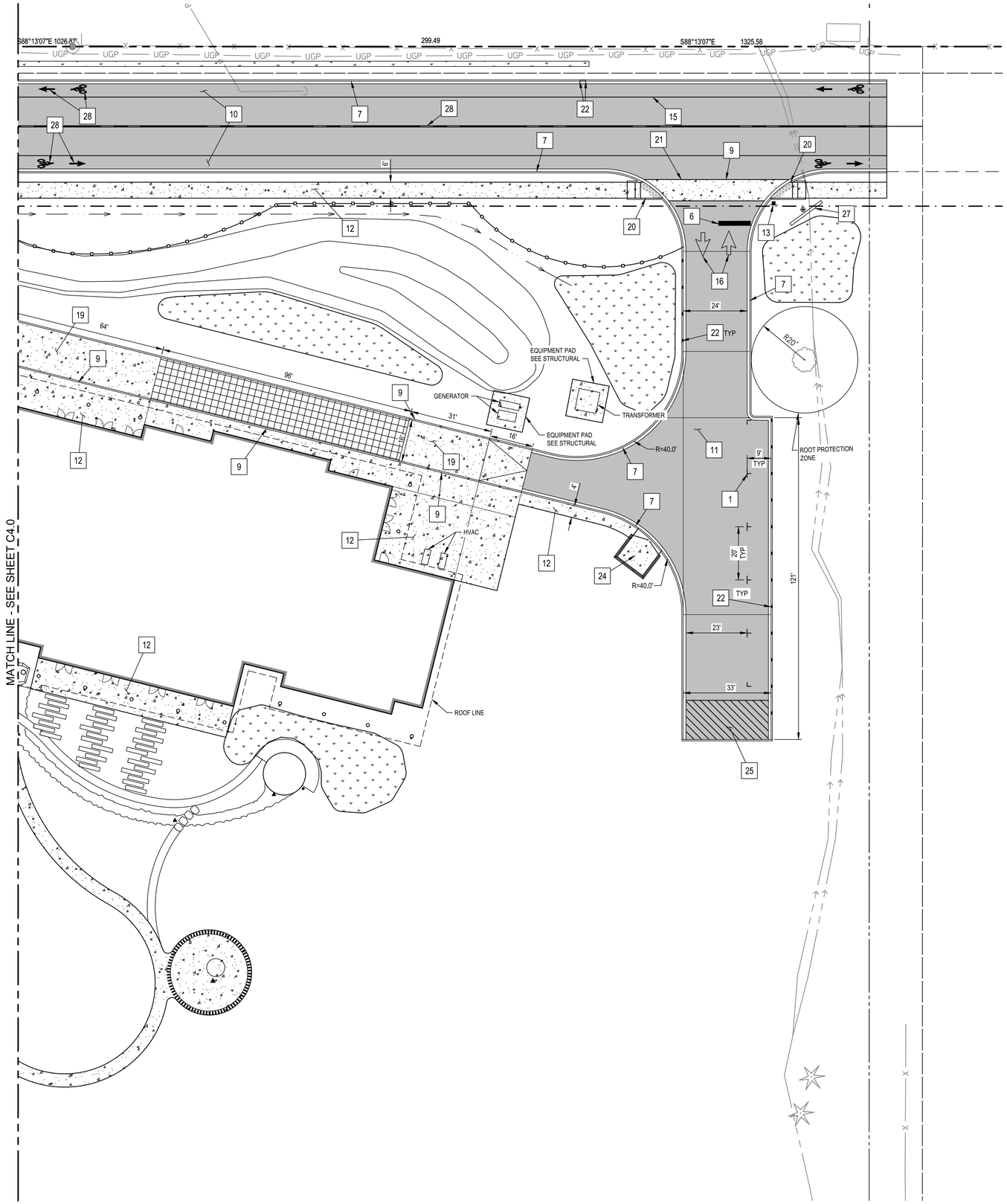
SHEET TITLE:

ENLARGED SITE PLAN - WEST

SHEET NO:

C4.0

SHEET OF



LEGEND

- CONCRETE SIDEWALK PER DETAIL 3, SHEET C4.2
- ASPHALT PAVEMENT PER DETAIL 2, SHEET C4.2
- GRASSCRETE PER LANDSCAPE ARCHITECT
- BIORETENTION PER DETAIL 3, SHEET C5.5
- FENCE
- LIGHT POLE
- DECORATIVE LIGHT BOLLARDS
- FIRE HYDRANT
- GROUND SPOT LIGHT
- SIGN

HORIZONTAL CONTROL NOTES

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3. SIDEWALK DIMENSIONS ARE TO BACK OF CURB, EDGE OF PAVEMENT, AND FACE OF BUILDING.
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PAVING AND STRIPING NOTES

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7. CONCRETE TRAFFIC CURB PER DETAIL 2, SHEET C4.3
8. CROSSWALK PER WSDOT STD M-15.10-01
9. FLUSH CURB, SEE SHEET C3.0 FOR TRANSITION TO TRAFFIC CURB
10. BICYCLE TRAVEL LANE
11. ASPHALT PAVEMENT PER DETAIL 2, SHEET C4.2
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22. NOSE DOWN CURB PER DETAIL 5, SHEET C4.3
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24. TRASH ENCLOSURE. SEE ARCHITECTURAL AND STRUCTURAL PLANS.
25. NO PARKING STRIPING PER DETAIL 5, SHEET C4.2
26. SURFACE MATERIAL PER LANDSCAPE ARCHITECT
27. MONUMENT SIGN PER LANDSCAPE ARCHITECT
28. SEE ROADWAY PLAN, SHEETC6.0

20 10 0 20 40

SCALE: 1 INCH = 20 FEET

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REGISTERED PROFESSIONAL ENGINEER
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OUTPATIENT CLINIC
SEQUIM, WASHINGTON

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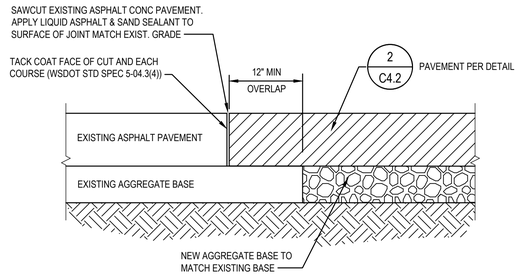
SHEET TITLE:

ENLARGED SITE PLAN -EAST

SHEET NO:

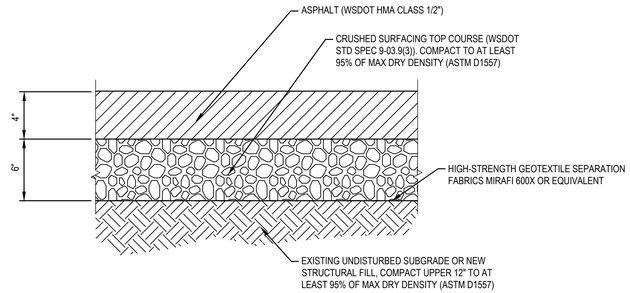
C4.1

SHEET OF



1 C4.2 TIE-INTO EXISTING ASPHALT

NTS

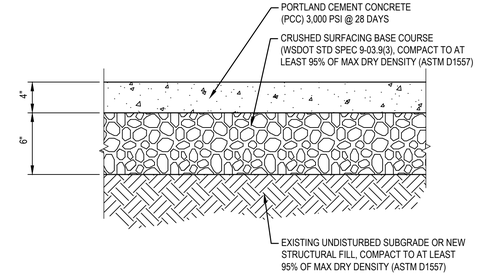


NOTE

1. CONTRACTOR TO FOLLOW THE LATEST EDITION OF WSDOT SPECIFICATIONS FOR PAVEMENT LIFTS INSTALLATION AND COMPACTION OF MATERIALS.

2 C4.2 ON SITE ASPHALT PAVEMENT DETAIL

NTS

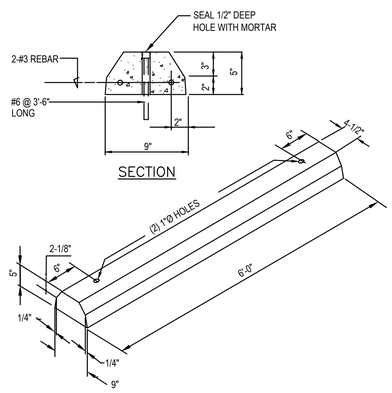


NOTE

1. CONTRACTOR TO FOLLOW THE LATEST EDITION OF WSDOT SPECIFICATIONS FOR PCC INSTALLATION AND COMPACTION OF MATERIALS.
2. SEE DETAIL 1, SHEET C4.3 FOR JOINT DETAIL

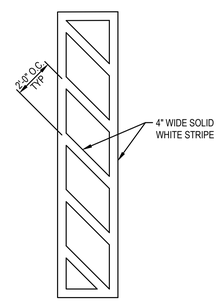
3 C4.2 CONCRETE SIDEWALK PAVEMENT

NTS



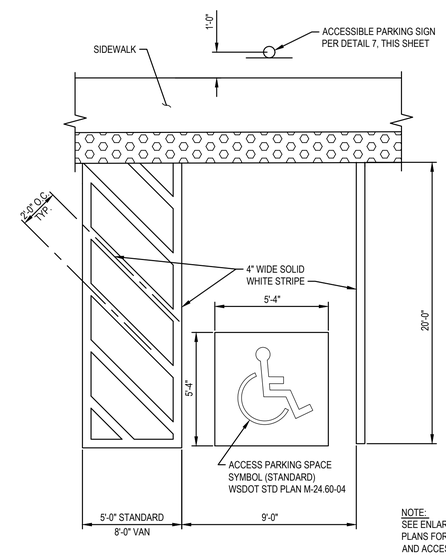
4 C4.2 PRECAST CONCRETE WHEEL STOP

NTS



5 C4.2 NO PARKING STRIPING

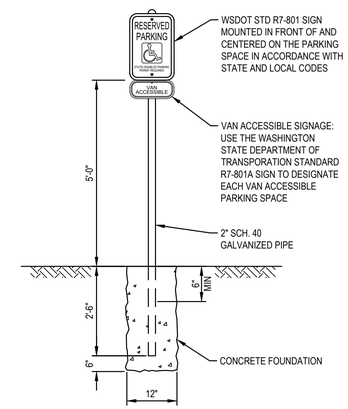
NTS



NOTE:
SEE ENLARGED PAVING AND STRIPING PLANS FOR LOCATIONS OF STANDARD AND ACCESSIBLE PARKING STALLS

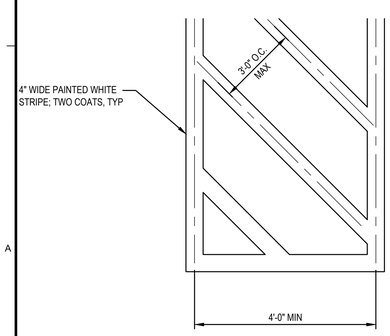
6 C4.2 TYPICAL ADA PARKING STRIPING STALL PAINTING DIMENSIONS

NTS



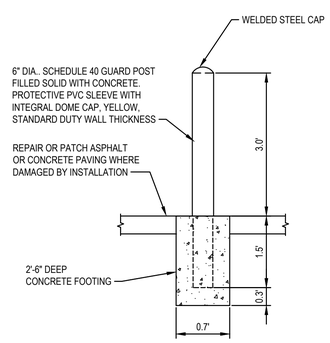
7 C4.2 SIGN POST DETAIL

NTS



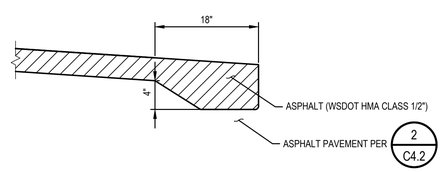
8 C4.2 ACCESSIBLE PATH OF TRAVEL STRIPING

NTS



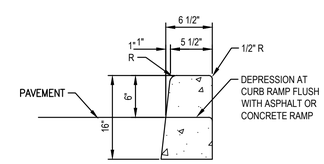
9 C4.2 PIPE BOLLARD DETAIL

NTS



10 C4.2 THICKENED EDGE DETAIL

NTS



11 C4.2 STANDARD CONCRETE TRAFFIC CURB

NTS

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01/10/2020

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
SEQUIM, WASHINGTON

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REV	DATE	DESCRIPTION

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DRAWN	KB
CHECKED	ALH
DATE	JAN 10, 2020

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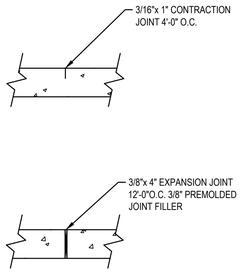
SHEET TITLE:

SITE DETAILS

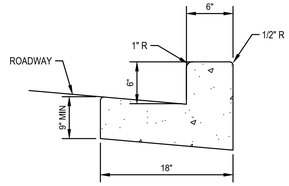
SHEET NO:

C4.2

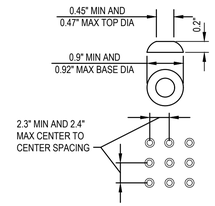
SHEET OF



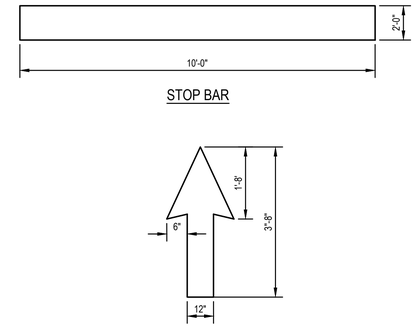
1 C4.3 TYPICAL SIDEWALK JOINT TYPES
NTS



2 C4.3 CONCRETE TRAFFIC CURB AND GUTTER
NTS

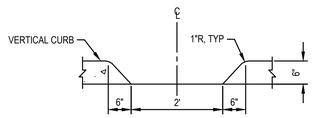


3 C4.3 DETECTABLE WARNING SURFACE RAISED TRUNCATED DOMES (IN-LINE)
NTS

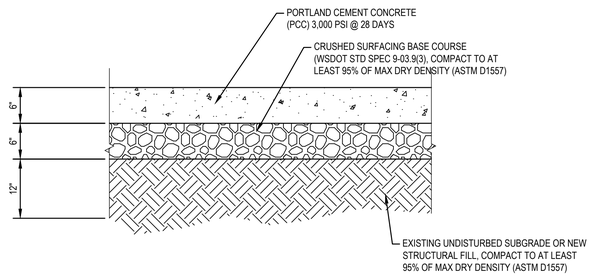


NOTE
PROVIDE MARKINGS AS SHOWN ON PLAN. PAINT WITH TWO COATS OF WHITE TRAFFIC PAINT

4 C4.3 PAVEMENT MARKINGS
NTS



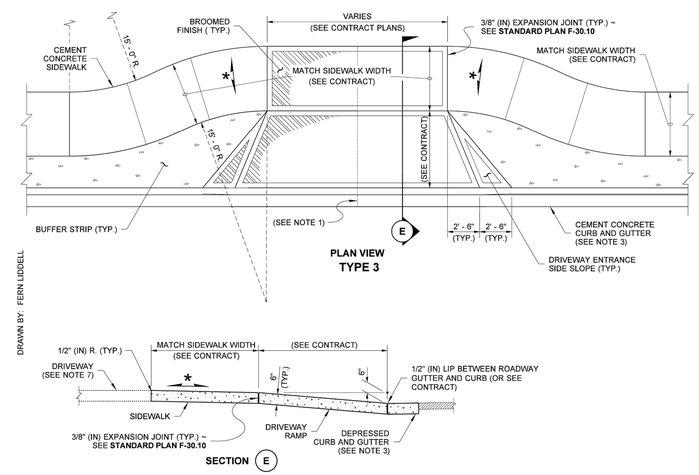
5 C4.3 NOSE-DOWN CURB DETAIL
NTS



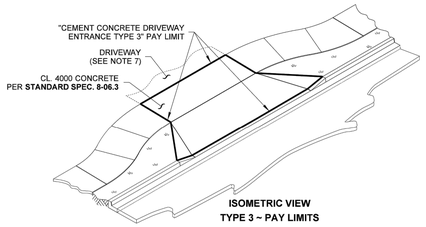
NOTE

1. CONTRACTOR TO FOLLOW THE LATEST EDITION OF WSDOT SPECIFICATIONS FOR PCC INSTALLATION AND COMPACTION OF MATERIALS.

6 C4.3 CONCRETE PAVING
NTS



DRAWN BY: FERN LIDDELL



7 C4.3 CONCRETE DRIVEWAY
NTS

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01/10/2020

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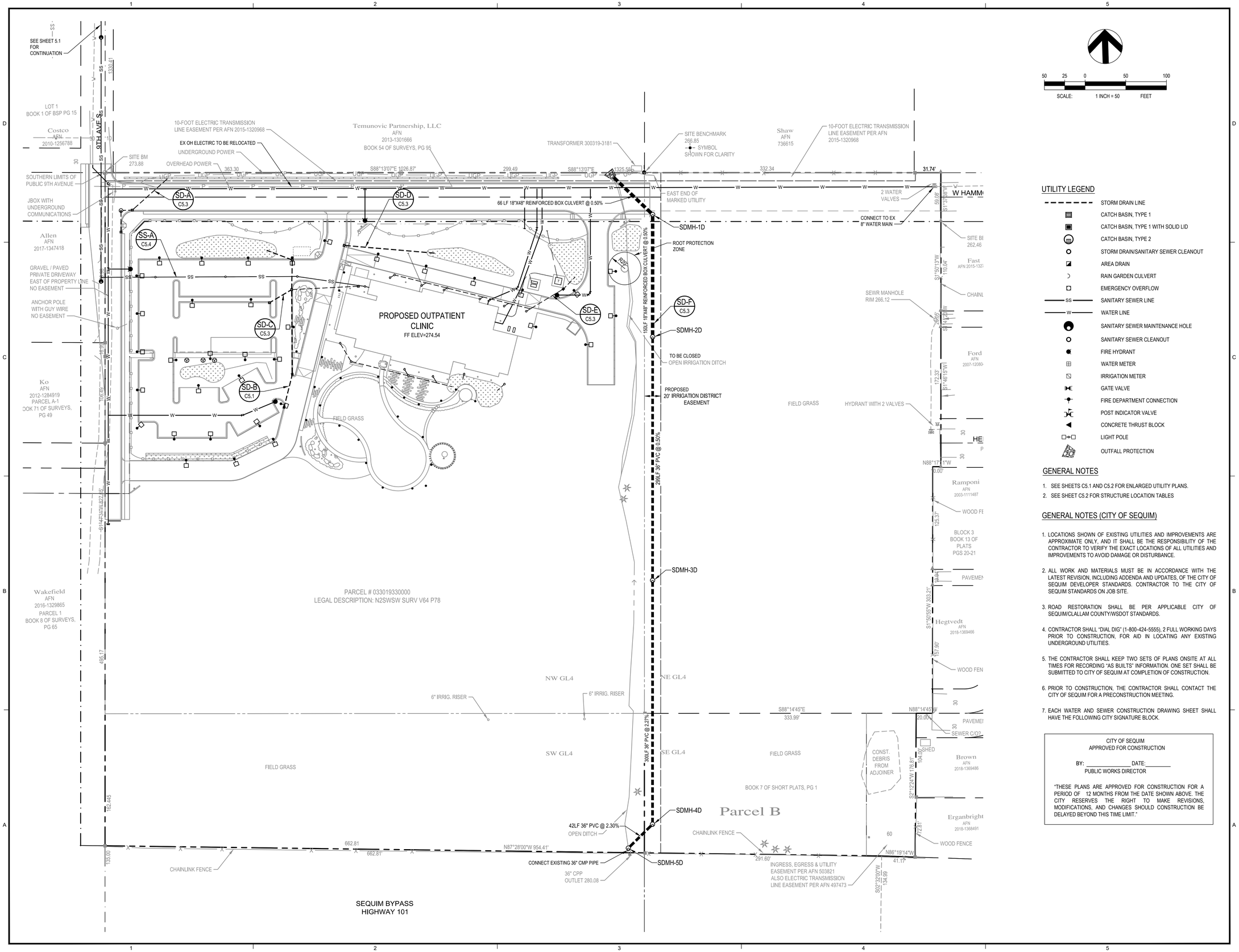
SHEET TITLE:
SITE DETAILS

SHEET NO:
C4.3

SHEET OF



50 25 0 50 100

SCALE: 1 INCH = 50 FEET

UTILITY LEGEND

- STORM DRAIN LINE
- CATCH BASIN, TYPE 1
- CATCH BASIN, TYPE 1 WITH SOLID LID
- CATCH BASIN, TYPE 2
- STORM DRAIN/SANITARY SEWER CLEANOUT
- AREA DRAIN
- RAIN GARDEN CULVERT
- EMERGENCY OVERFLOW
- SANITARY SEWER LINE
- WATER LINE
- SANITARY SEWER MAINTENANCE HOLE
- SANITARY SEWER CLEANOUT
- FIRE HYDRANT
- WATER METER
- IRRIGATION METER
- GATE VALVE
- FIRE DEPARTMENT CONNECTION
- POST INDICATOR VALVE
- CONCRETE THRUST BLOCK
- LIGHT POLE
- OUTFALL PROTECTION

GENERAL NOTES

1. SEE SHEETS C5.1 AND C5.2 FOR ENLARGED UTILITY PLANS.
2. SEE SHEET C5.2 FOR STRUCTURE LOCATION TABLES

GENERAL NOTES (CITY OF SEQUIM)

1. LOCATIONS SHOWN OF EXISTING UTILITIES AND IMPROVEMENTS ARE APPROXIMATE ONLY, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATIONS OF ALL UTILITIES AND IMPROVEMENTS TO AVOID DAMAGE OR DISTURBANCE.
2. ALL WORK AND MATERIALS MUST BE IN ACCORDANCE WITH THE LATEST REVISION, INCLUDING ADDENDA AND UPDATES, OF THE CITY OF SEQUIM DEVELOPER STANDARDS. CONTRACTOR TO THE CITY OF SEQUIM STANDARDS ON JOB SITE.
3. ROAD RESTORATION SHALL BE PER APPLICABLE CITY OF SEQUIM/CLALLAM COUNTY/WSDOT STANDARDS.
4. CONTRACTOR SHALL "DIAL DIG" (1-800-424-5555), 2 FULL WORKING DAYS PRIOR TO CONSTRUCTION, FOR AID IN LOCATING ANY EXISTING UNDERGROUND UTILITIES.
5. THE CONTRACTOR SHALL KEEP TWO SETS OF PLANS ONSITE AT ALL TIMES FOR RECORDING "AS BUILTS" INFORMATION. ONE SET SHALL BE SUBMITTED TO CITY OF SEQUIM AT COMPLETION OF CONSTRUCTION.
6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY OF SEQUIM FOR A PRECONSTRUCTION MEETING.
7. EACH WATER AND SEWER CONSTRUCTION DRAWING SHEET SHALL HAVE THE FOLLOWING CITY SIGNATURE BLOCK.

CITY OF SEQUIM
APPROVED FOR CONSTRUCTION

BY: _____ DATE:_____
PUBLIC WORKS DIRECTOR

"THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 12 MONTHS FROM THE DATE SHOWN ABOVE. THE CITY RESERVES THE RIGHT TO MAKE REVISIONS, MODIFICATIONS, AND CHANGES SHOULD CONSTRUCTION BE DELAYED BEYOND THIS TIME LIMIT."

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01/10/2020

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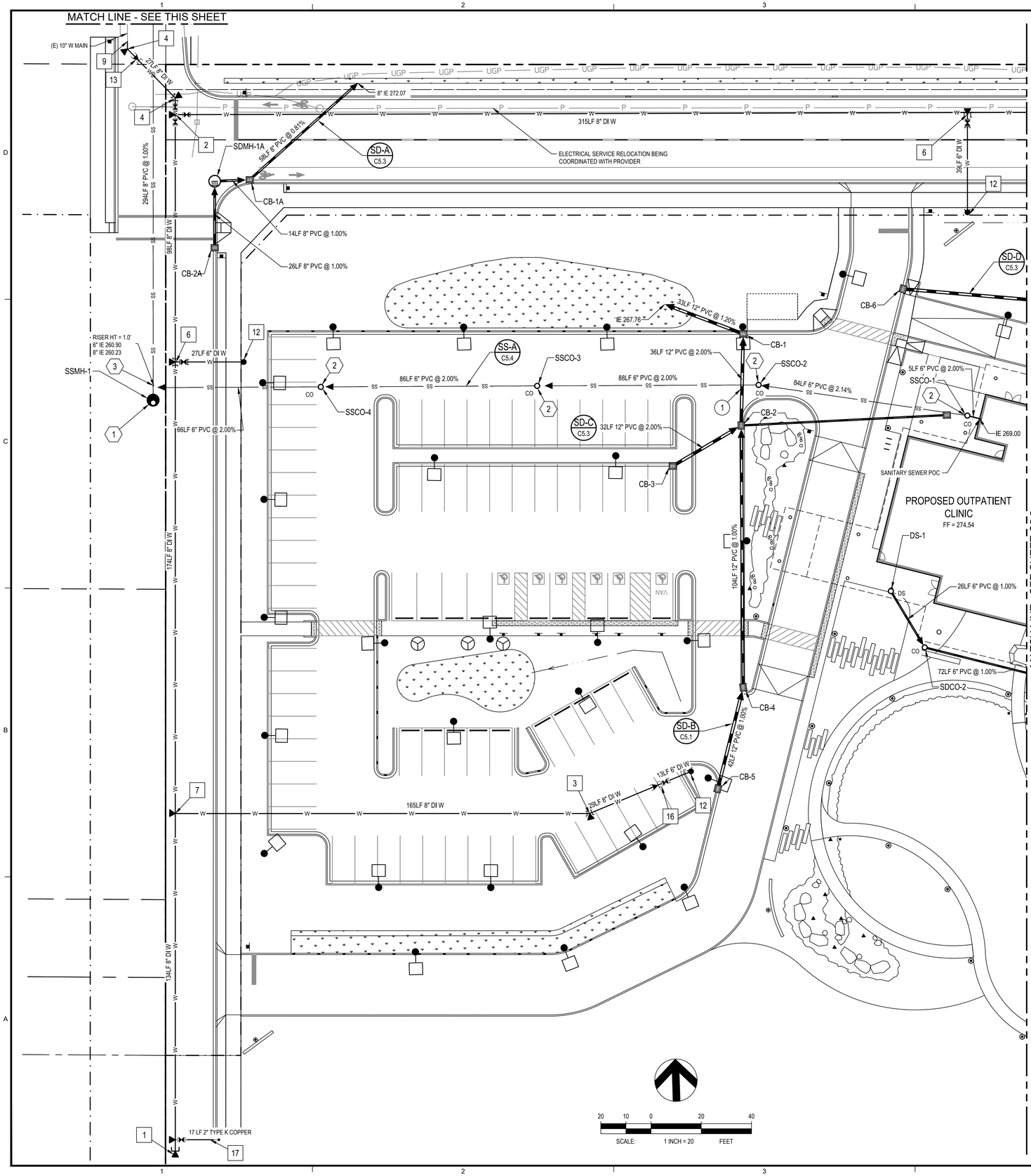
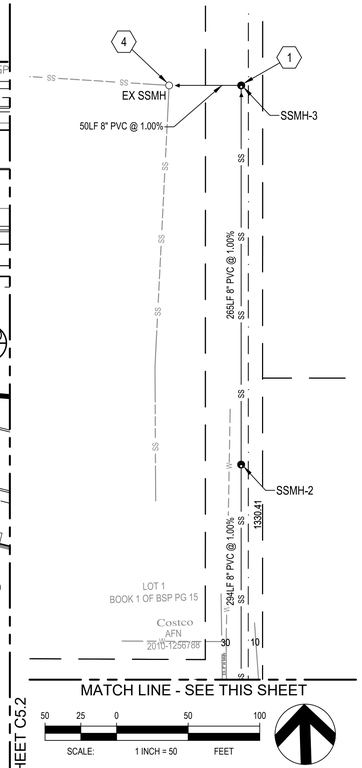
SHEET TITLE:
OVERALL UTILITY PLAN

SHEET NO:
C5.0

SHEET OF





GENERAL NOTES

1. SEE SHEET C5.2 FOR STORM DRAINAGE AND SANITARY SEWER STRUCTURE LOCATION TABLE.
2. WATER SYSTEM APPERTUNANCES PER CITY OF SEQUIM DEVELOPER STANDARDS
3. WATER MAINS AND SERVICE LEADS SHALL HAVE A MINIMUM OF 3.5 FEET OF COVER.
4. EXISTING 10" WATER MAIN ON 9TH AVE LOCATION TO BE VERIFIED. MAINTAIN 10' HORIZONTAL SEPERATION BETWEEN SANITARY SEWER.
5. CONNECT PERIMETER DRAINS INTO GRAVITY STORM WATER SYSTEM AS REQUIRED. IF REQUIRED DEPTH OF FOOTING DRAIN IS BELOW INVERT, A PUMP STATION FOR THE PERIMETER DRAINS WILL BE REQUIRED.
6. CONNECT DOWNSPOUTS AND/OR ROOF DRAINS TO GRAVITY STORM SYSTEM AS REQUIRED.
7. THE CONTRACTOR SHALL COORDINATE WITH THE AUTHORITIES HAVING JURISDICTION FOR ALL REQUIREMENTS AND TO CONFIRM THAT AN ADEQUATE DEPTH OF COVER IS MAINTAINED OVER THE UTILITIES, INCLUDING CLEARANCES BETWEEN THE VARIOUS UTILITIES.

UTILITY LEGEND

- STORM DRAIN LINE
- CATCH BASIN, TYPE 1
- CATCH BASIN, TYPE 1 WITH SOLID LID
- CATCH BASIN, TYPE 2
- DS STORM DOWNSPOUT
- AREA DRAIN
- RAIN GARDEN CULVERT
- EMERGENCY OVERFLOW
- SS SANITARY SEWER
- W WATER
- SANITARY SEWER MANHOLE
- CO STORM/SANITARY SEWER CLEANOUT
- FIRE HYDRANT
- WATER METER
- IRRIGATION METER
- GATE VALVE
- FIRE DEPARTMENT CONNECTION
- POST INDICATOR VALVE
- CONCRETE THRUST BLOCK
- LIGHT POLE
- REDUCER
- BLOWOFF ASSEMBLY

WATER INSTALLATION NOTES

1	(1) 8" CAP CONCRETE BLOCKING
2	(1) 8" TEE (3) 8" GATE VALVE (MJxFL) CONCRETE BLOCKING
3	(1) 8" 22.5° BEND CONCRETE BLOCKING
4	(1) 8" 45° BEND CONCRETE BLOCKING
5	(1) 6" 45° BEND CONCRETE BLOCKING
6	(1) 8"x6" TEE (1) 8" GATE VALVE (MJ X FL) CONCRETE BLOCKING
7	(1) 8"X8" TEE CONCRETE BLOCKING
8	(1) 8"x2" TAP CONCRETE BLOCKING
9	CONNECT TO EXISTING 10" WATER MAIN
10	SEE SHEET C5.0 FOR WATERLINE CONTINUATION
11	IRRIGATION WATER METER AND METER BOX, 1.5" METER AND 2" SERVICE
12	6" FIRE HYDRANT ASSEMBLY PER CITY OF SEQUIM DEVELOPER STD V-W2
13	(1) 8"X10" REDUCER
14	2" DOMESTIC WATER METER AND METER BOX
15	(1) 6" 22.5° BEND CONCRETE BLOCKING
16	(1) 8"X6" REDUCER (1) 6" GATE VALVE
17	(1) 8" X 4" TAP (1) 4" GATE VALVE (1) BLOWOFF ASSEMBLY PER CITY OF SEQUIM DEVELOPER STANDARD V-W7

SEWER INSTALLATION NOTES

1. SANITARY SEWER MANHOLE PER CITY OF SEQUIM DEVELOPER STANDARDS V-SFA AND V-S4B
2. SANITARY SEWER CLEANOUT PER CITY OF SEQUIM DEVELOPER STANDARDS V-S16
3. (1) 8"X6" WYE
   SIDE SEWER CONNECTION PER CITY OF SEQUIM DEVELOPER STANDARD V-S11
4. CONNECTION DEPTH TO BE VERIFIED

STORM INSTALLATION NOTES

1. AT CROSSINGS, PROVIDE A MINIMUM VERTICAL CLEARANCE OF 18 INCHES BETWEEN WATER PIPE (ABOVE) AND PIPE CARRYING NON-POTABLE WATER (BELOW). IF CLEARANCE LESS THAN THOSE STATED INSTALL SLEEVE ON NON-POTABLE LINE. THE SLEEVE PIPE SHALL BE ONE (1) SIZE LARGER THAN THE CONSTRUCTION PIPE. THE SLEEVE SHALL BE AT LEAST TWENTY (20) FEET IN LENGTH AND CENTERED ON THE CROSSING TO PROVIDE FOR A MINIMUM HORIZONTAL SEPARATION OF TEN (10) FEET EACH SIDE OF THE CROSSING, MEASURED PERPENDICULAR TO THE CROSSED LINE. EACH END OF THE SLEEVE SHALL BE SEALED WITH A FERNCO RUBBER COUPLER.
2. SEE SHEET C5.0 FOR IRRIGATION SYSTEM REROUTE DESIGN.

GENERAL NOTES

1. LOCATIONS SHOWN OF EXISTING UTILITIES AND IMPROVEMENTS ARE APPROXIMATE ONLY, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATIONS OF ALL UTILITIES AND IMPROVEMENTS TO AVOID DAMAGE OR DISTURBANCE.
2. ALL WORK AND MATERIALS MUST BE IN ACCORDANCE WITH THE LATEST REVISION, INCLUDING ADDENDA AND UPDATES, OF THE CITY OF SEQUIM DEVELOPER STANDARDS. CONTRACTOR TO THE CITY OF SEQUIM STANDARDS ON JOB SITE.
3. ROAD RESTORATION SHALL BE PER APPLICABLE CITY OF SEQUIM/CLALLAM COUNTY/WSDOT STANDARDS.
4. CONTRACTOR SHALL "DIAL DIG" (1-800-424-5555), 2 FULL WORKING DAYS PRIOR TO CONSTRUCTION, FOR AID IN LOCATING ANY EXISTING UNDERGROUND UTILITIES.
5. THE CONTRACTOR SHALL KEEP TWO SETS OF PLANS ONSITE AT ALL TIMES FOR RECORDING "AS BUILTS" INFORMATION. ONE SET SHALL BE SUBMITTED TO CITY OF SEQUIM AT COMPLETION OF CONSTRUCTION.
6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY OF SEQUIM FOR A PRECONSTRUCTION MEETING.
7. EACH WATER AND SEWER CONSTRUCTION DRAWING SHEET SHALL HAVE THE FOLLOWING CITY SIGNATURE BLOCK.

CITY OF SEQUIM
APPROVED FOR CONSTRUCTION

BY: _____ DATE: _____
PUBLIC WORKS DIRECTOR

"THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 12 MONTHS FROM THE DATE SHOWN ABOVE. THE CITY RESERVES THE RIGHT TO MAKE REVISIONS, MODIFICATIONS, AND CHANGES SHOULD CONSTRUCTION BE DELAYED BEYOND THIS TIME LIMIT."

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ALLISON L. HUNTER — STATE OF WASHINGTON — 45458 — REGISTERED PROFESSIONAL ENGINEER
01/10/2020

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
SEQUIM, WASHINGTON

FOR PLAN CHECK REVIEW

REV	DATE	DESCRIPTION

PROJ. NO.	191652
DRAWN	MG
CHECKED	ALH
DATE	JAN 10, 2020

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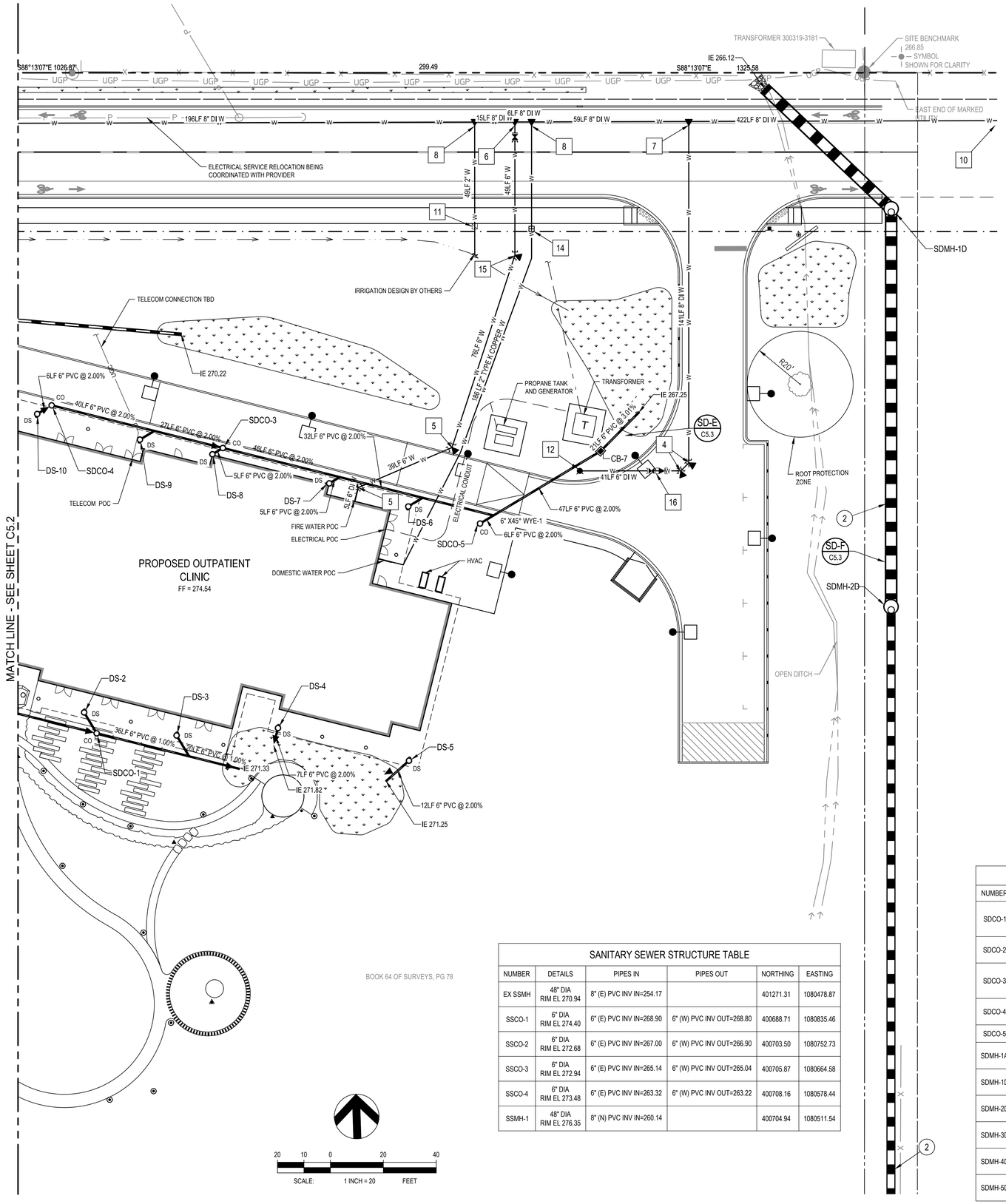
SHEET TITLE:
ENLARGED UTILITY PLAN - WEST

SHEET NO:
C5.1

SHEET OF



STORM INSTALLATION NOTES

1. AT CROSSINGS, PROVIDE A MINIMUM VERTICAL CLEARANCE OF 18 INCHES BETWEEN WATER PIPE (ABOVE) AND PIPE CARRYING NON-POTABLE WATER (BELOW). IF CLEARANCE LESS THAN THOSE STATED INSTALL SLEEVE ON NON-POTABLE LINE. THE SLEEVE PIPE SHALL BE ONE (1) SIZE LARGER THAN THE CONSTRUCTION PIPE. THE SLEEVE SHALL BE AT LEAST TWENTY (20) FEET IN LENGTH AND CENTERED ON THE CROSSING TO PROVIDE FOR A MINIMUM HORIZONTAL SEPARATION OF TEN (10) FEET EACH SIDE OF THE CROSSING, MEASURED PERPENDICULAR TO THE CROSSED LINE. EACH END OF THE SLEEVE SHALL BE SEALED WITH A FERNCO RUBBER COUPLER.
2. SEE SHEET C5.0 FOR IRRIGATION SYSTEM REROUTE DESIGN.

SEWER INSTALLATION NOTES

1. SANITARY SEWER MANHOLE PER CITY OF SEQUIM DEVELOPER STANDARDS V-SFA AND V-S4B
2. SANITARY SEWER CLEANOUT PER CITY OF SEQUIM DEVELOPER STANDARDS V-S16
3. (1) 8"X6" WYE
   SIDE SEWER CONNECTION PER CITY OF SEQUIM DEVELOPER STANDARD V-S11
4. CONNECTION DEPTH TO BE VERIFIED

STORM DRAINAGE STRUCTURE TABLE

NUMBER	RIM ELEV	PIPE INVERT	NORTHING	EASTING
6"x45° WYE-1	EL 269.36	6" (SW) PVC IE=268.81 6" (NE) PVC IE=268.81 6" (W) PVC IE=268.81	400654.89	1081037.79
CB-1	EL 272.42	12" (S) PVC IE=268.16 12" (W) PVC IE=268.16	400724.02	1080747.23
CB-1A	EL 274.63	8" (NE) PVC IE=272.54 8" (W) PVC IE=272.54	400791.47	1080552.71
CB-2	EL 272.79	12" (S) PVC IE=268.89 12" (N) PVC IE=268.89 12" (SW) PVC IE=268.89 6" (E) PVC IE=269.39	400687.57	1080745.30
CB-2A	EL 274.99	8" (N) PVC IE=272.94	400764.83	1080537.92
CB-3	EL 273.03	12" (NE) PVC IE=269.52	400672.28	1080717.55
CB-4	EL 273.42	12" (S) PVC IE=269.93 12" (N) PVC IE=269.93	400583.34	1080742.87
CB-5	EL 273.84	12" (N) PVC IE=270.35	400543.27	1080731.49
CB-6	EL 272.78	12" (E) PVC IE=270.78	400739.91	1080811.42
CB-7	EL 271.98	6" (SW) PVC IE=267.87 6" (NE) PVC IE=267.87	400677.94	1081079.01
DS-1	EL 274.39	6" (SE) PVC IE=272.87	400619.81	1080802.82
DS-2	EL 274.39	6" (SE) PVC IE=272.06	400585.28	1080880.88
DS-3	EL 274.39	6" (SE) PVC IE=271.70	400575.49	1080915.52
DS-4	EL 274.45	6" (S) PVC IE=271.95	400577.11	1080953.91
DS-5	EL 274.04	6" (SW) PVC IE=271.48	400563.24	1081002.98
DS-6	EL 274.38	6" (NE) PVC IE=269.50	400659.28	1081005.71
DS-7	EL 274.44	6" (NE) PVC IE=270.10	400668.94	1080976.14
DS-8	EL 274.44	6" (NE) PVC IE=271.01	400681.31	1080932.35
DS-9	EL 274.45	6" (NE) PVC IE=271.59	400687.70	1080905.15
DS-10	EL 274.41	6" (NE) PVC IE=272.38	400698.58	1080866.65

SANITARY SEWER STRUCTURE TABLE

NUMBER	DETAILS	PIPES IN	PIPES OUT	NORTHING	EASTING
EX SSMH	48" DIA RIM EL 270.94	8" (E) PVC INV IN=254.17		401271.31	1080478.87
SSCO-1	6" DIA RIM EL 274.40	6" (E) PVC INV IN=268.90	6" (W) PVC INV OUT=268.80	400688.71	1080835.46
SSCO-2	6" DIA RIM EL 272.68	6" (E) PVC INV IN=267.00	6" (W) PVC INV OUT=266.90	400703.50	1080752.73
SSCO-3	6" DIA RIM EL 272.94	6" (E) PVC INV IN=265.14	6" (W) PVC INV OUT=265.04	400705.87	1080664.58
SSCO-4	6" DIA RIM EL 273.48	6" (E) PVC INV IN=263.32	6" (W) PVC INV OUT=263.22	400708.16	1080578.44
SSMH-1	48" DIA RIM EL 276.35	8" (N) PVC INV IN=260.14		400704.94	1080511.54

UTILITY LEGEND

- STORM DRAIN LINE
- CATCH BASIN, TYPE 1
- CATCH BASIN, TYPE 1 WITH SOLID LID
- CATCH BASIN, TYPE 2
- DS — STORM DOWNSPOUT
- AREA DRAIN
- RAIN GARDEN CULVERT
- EMERGENCY OVERFLOW
- SS — SANITARY SEWER
- W — WATER
- SANITARY SEWER MANHOLE
- CO — STORM/SANITARY SEWER CLEANOUT
- FIRE HYDRANT
- WATER METER
- IRRIGATION METER
- GATE VALVE
- FIRE DEPARTMENT CONNECTION
- POST INDICATOR VALVE
- CONCRETE THRUST BLOCK
- LIGHT POLE
- REDUCER
- BLOWOFF ASSEMBLY

WATER INSTALLATION NOTES

1. (1) 8" CAP
   CONCRETE BLOCKING
2. (1) 8" TEE
   (3) 8" GATE VALVE (MJxFL)
   CONCRETE BLOCKING
3. (1) 8" 22.5° BEND
   CONCRETE BLOCKING
4. (1) 8" 45° BEND
   CONCRETE BLOCKING
5. (1) 6" 45° BEND
   CONCRETE BLOCKING
6. (1) 8"x6" TEE
   (1) 8" GATE VALVE (MJ X FL)
   CONCRETE BLOCKING
7. (1) 8"X8" TEE
   CONCRETE BLOCKING
8. (1) 8"x2" TAP
   CONCRETE BLOCKING
9. CONNECT TO EXISTING 10" WATER MAIN
10. SEE SHEET C5.0 FOR WATERLINE CONTINUATION
11. IRRIGATION WATER METER AND METER BOX, 1.5" METER AND 2" SERVICE
12. 6" FIRE HYDRANT ASSEMBLY PER CITY OF SEQUIM DEVELOPER STD V-W2
13. (1) 8"X10" REDUCER
14. 2" DOMESTIC WATER METER AND METER BOX
15. (1) 6" 22.5° BEND
    CONCRETE BLOCKING
16. (1) 8"X6" REDUCER
    (1) 6" GATE VALVE
17. (1) 8" X 4" TAP
    (1) 4" GATE VALVE
    (1) BLOWOFF ASSEMBLY PER CITY OF SEQUIM DEVELOPER STANDARD V-W7

STORM DRAINAGE STRUCTURE TABLE

NUMBER	RIM ELEV	PIPE INVERT	NORTHING	EASTING
SDCO-1	EL 274.26	6" (W) PVC IE=271.88 6" (E) PVC IE=271.88 6" (NW) PVC IE=271.88	400577.25	1080885.36
SDCO-2	EL 274.26	6" (NW) PVC IE=272.61 6" (E) PVC IE=272.61	400596.97	1080815.60
SDCO-3	EL 274.39	6" (W) PVC IE=270.92 6" (E) PVC IE=270.92 6" (SW) PVC IE=270.92	400683.56	1080936.36
SDCO-4	EL 274.34	6" (SW) PVC IE=272.26 6" (E) PVC IE=272.26	400701.69	1080872.21
SDCO-5	EL 274.11	6" (NE) PVC IE=268.93	400651.99	1081032.61
SDMH-1A	EL 274.71	8" (E) PVC IE=272.68 8" (S) PVC IE=272.68	400791.31	1080538.75
SDMH-1D	EL 269.80	48" (S) REINFORCED BOX CULVERT : IE=266.45 48" (NW) REINFORCED BOX CULVERT IE=266.45	400766.08	1081191.57
SDMH-2D	EL 273.20	36" (S) PVC IE=267.20 48" (N) REINFORCED BOX CULVERT IE=267.20	400615.74	1081186.86
SDMH-3D	EL 276.11	36" (S) PVC IE=268.70 36" (N) PVC IE=268.70	400316.55	1081177.48
SDMH-4D	EL 282.28	36" (SW) PVC IE=275.51 36" (N) PVC IE=275.51	400016.71	1081168.09
SDMH-5D	EL 283.08	36" (NE) PVC IE=276.47 36" (S) REINFORCED CONCRETE PIPE IE=280.08	399988.33	1081137.45

CITY OF SEQUIM
APPROVED FOR CONSTRUCTION

BY: _____ DATE: _____
PUBLIC WORKS DIRECTOR

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ALLISON L. HEIN — STATE OF WASHINGTON — 45458 — REGISTERED PROFESSIONAL ENGINEER
01/10/2020

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
SEQUIM, WASHINGTON

FOR PLAN CHECK REVIEW

REV	DATE	DESCRIPTION

PROJ. NO.	191652
DRAWN	MG
CHECKED	ALH
DATE	JAN 10, 2020

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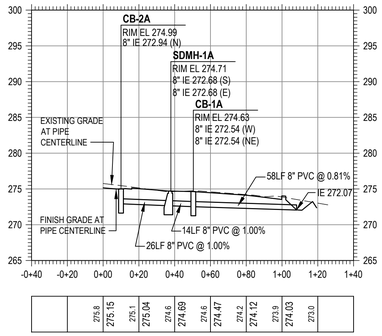
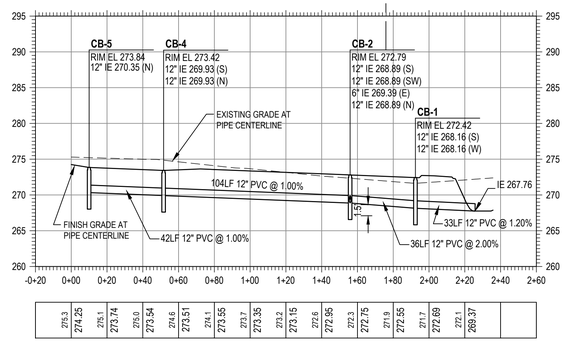
SHEET TITLE:
ENLARGED UTILITY PLAN - EAST

SHEET NO:
C5.2

SHEET OF



SD-A C5.1 STORM DRAIN PROFILE
SCALE: 1"=40' HORIZ, 1"=5' VERT



SD-B C5.1 STORM DRAIN PROFILE
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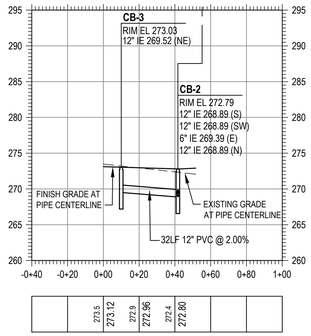

SD-C C5.1 STORM DRAIN PROFILE
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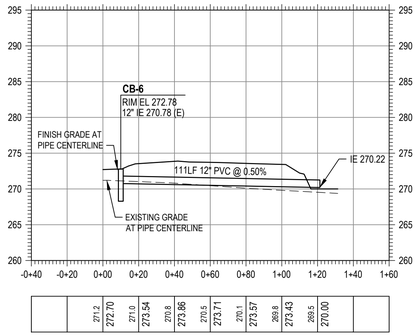
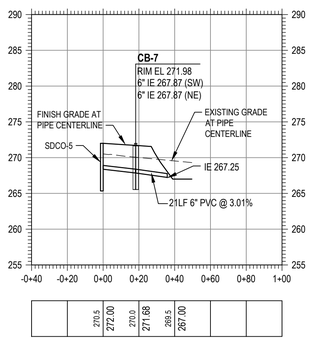
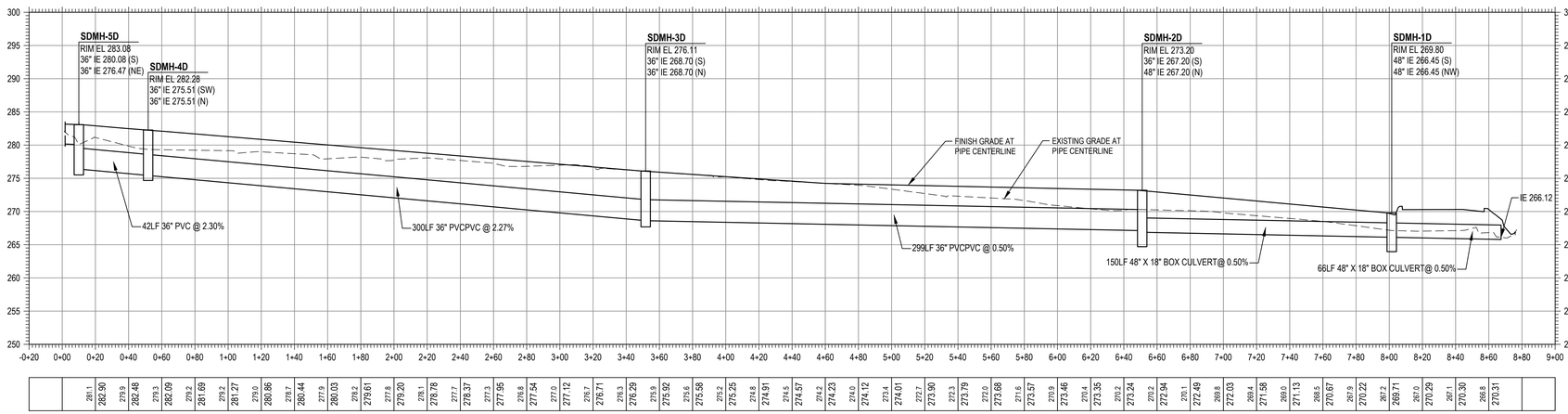


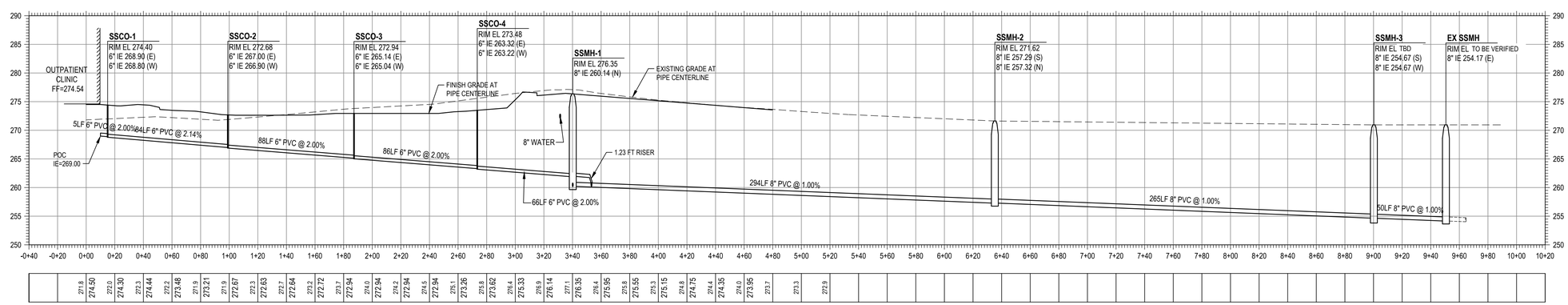
SD-D C5.1 & C5.2 STORM DRAIN PROFILE
SCALE: 1"=40' HORIZ, 1"=5' VERT



SD-E C5.1 STORM DRAIN PROFILE
SCALE: 1"=40' HORIZ, 1"=5' VERT



SD-F C5.2 STORM DRAIN PROFILE
SCALE: 1"=40' HORIZ, 1"=5' VERT



SS-A C5.1 SANITARY SEWER PROFILE
SCALE: 1"=40' HORIZ, 1"=5' VERT

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PROJ. NO.	191652
DRAWN	MG
CHECKED	ALH
DATE	JAN 10, 2020

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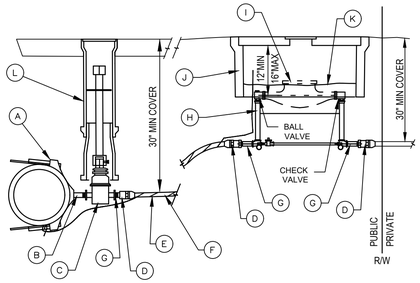
SHEET TITLE:
UTILITY PROFILES

SHEET NO:
C5.3

SHEET OF



PARTS:

A. ROMAC, FORD OR MUELLER DOUBLE STRAP SERVICE SADDLE WITH I.P. THREAD TO BE USED ON ALL MAINS 4" DIA AND LARGER. ALL NEW TAPS ON EXISTING WATER MAINS SHALL BE DONE BY THE CITY OF EVERETT UTILITIES DEPARTMENT AT THE DEVELOPERS OR CONTRACTORS EXPENSE.
B. 2" BRASS NIPPLE.
C. HEAVY DUTY 2" GATE VALVE WITH RESILIENT SEAT AND 2" OPERATING NUT. GATE VALVES SHALL BE "WATEROUS" SERIES 2500 OR CITY APPROVED EQUAL.
D. MUELLER H-15451 OR H-15428 OR APPROVED EQUAL. USE APPROPRIATE STAINLESS STEEL INSERT STIFFENER WITH POLYETHYLENE TUBING. PHYSICAL BENDS IN POLY PIPE ARE NOT ALLOWED, USE BRASS ELBOWS.

E. RESIDENTIAL SERVICE
   1. PROVIDE 2" POLYETHYLENE TUBING MEETING THE FOLLOWING REQUIREMENTS:
      a. AWWA C901.
      b. ASTM D2737, SIDR 9 (pe3608/4710).
      c. ASTM 3350 - PE3608 OR PE4710.

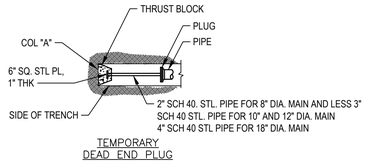
   2. PROVIDE A #10 AWG, SINGLE STRAND COPPER WIRE WITH BLUE TYPE UF OR USE COATING SUITABLE FOR DIRECT BURY.
      a. WRAP WIRE AROUND TUBING, ONE WRAP PER FT, ITS ENTIRE LENGTH.
      b. SECURE ONE END AROUND THE SADDLE BOLT BETWEEN TWO NUTS AND EXPOSE A MINIMUM OF 18" OF THE OTHER END IN THE METER BOX.

F NON-RESIDENTIAL SERVICE
   1. PROVIDE 2" TYPE K COPPER TUBING MEETING ASTM B88, ANSI/NSF 61 & APPLICABLE IAPMO STANDARDS.

G. BRASS ELBOWS & NIPPLES AS NEEDED.
H. METER SETTERS SHALL BE "FORD" 70 SERIES COPPER SETTER VBH77-12B-11-77 WITH HORIZONTAL INLET AND OUTLET OR APPROVED EQUAL.
I. METER SHALL BE SUPPLIED AND INSTALLED BY CITY UTILITIES DEPARTMENT AT THE DEVELOPERS OR CONTRACTORS EXPENSE.
J. PROVIDE METER BOX BODY MANUFACTURED BY "RAVEN PRODUCTS, MODEL RMB-17-30-12", MOUSEHOLES CUT, WITH AASTHO H-20 RATED DI FLUSH SOLID COVER LID OR EQUAL.
K. PLACE SAWDUST IN METER BOX AROUND PIPE TO TOP OF METER TO PREVENT FREEZING.
L. ADJUSTABLE VALVE BOX AND EXTENSION SEE STD 504.

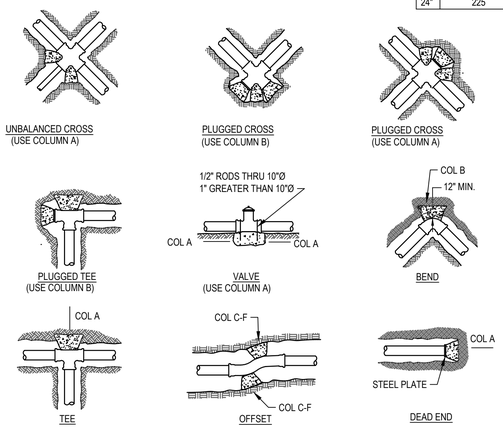
1 / C5.4 2" METERED WATER SERVICE

NTS



TEMPORARY DEAD END PLUG

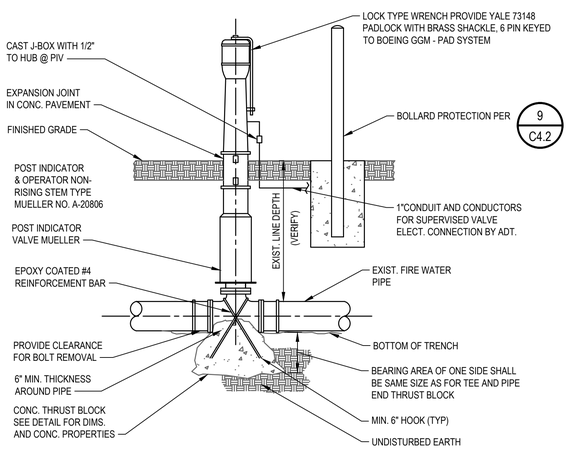
SIZE	TEST PRESSURE PSI	THRUST AT FITTINGS IN POUNDS					
		A	B	C	D	E	F
		DEAD ENDS	90° BEND	45° BEND	30° BEND	22.5° BEND	11.25° BEND
3"	225	2768	3914	2118	1433	1080	543
4"	225	4073	5759	3117	2108	1589	798
6"	225	8393	11869	6423	4344	3275	1645
8"	225	14468	20460	11073	7489	5645	2836
10"	225	21758	30770	16652	11263	8489	4265
12"	225	30780	43529	23558	15933	12010	6034
14"	225	41355	58485	31652	21407	16136	8107
16"	225	53483	75636	40934	27685	20868	10484
24"	225	117608	166322	90013	60878	45888	23055



NOTES:
1. CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE.
2. DIVIDE THRUST BY SAFE BEARING LOAD TO DETERMINE REQUIRED AREA (IN SQUARE FEET) OF CONCRETE TO DISTRIBUTE LOAD.
3. AREAS TO BE ADJUSTED FOR OTHER PRESSURE CONDITIONS.
4. PROVIDE TWO 1" MINIMUM DIAMETER RODS ON VALVES UP THROUGH 10" DIAMETER. VALVES LARGER THAN 10" REQUIRE SPECIAL TIE ROD DESIGN.
5. USE 3000 PSI CONCRETE FOR THRUST BLOCKING.

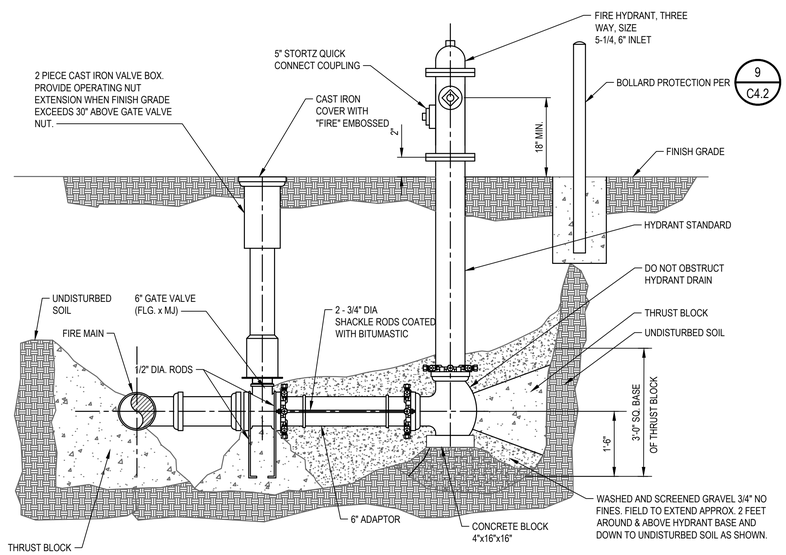
2 / C5.4 TYPICAL THRUST BLOCKING DETAILS

NTS



3 / C5.4 POST INDICATOR AND VALVE DETAIL

NTS



4 / C5.4 TYPICAL FIRE HYDRANT DETAIL

NTS

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01/10/2020

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
SEQUIM, WASHINGTON

FOR PLAN CHECK REVIEW

REV	DATE	DESCRIPTION

PROJ. NO.	191652
DRAWN	MG
CHECKED	ALH
DATE	JAN 10, 2020

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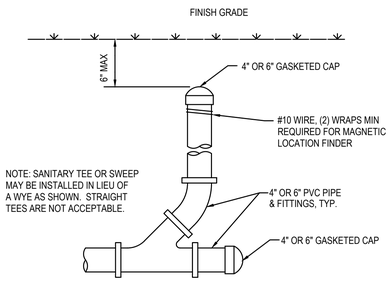
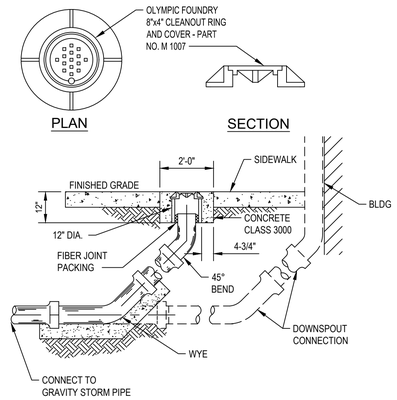
SHEET TITLE:
UTILITY DETAILS

SHEET NO:
C5.4

SHEET OF



1 C5.5 CLEANOUT DETAIL - UNPAVED
NTS



2 C5.5 DOWNSPOUT CONNECTION DETAIL
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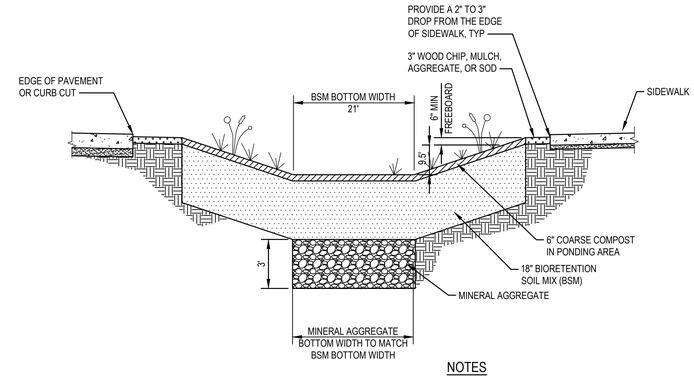
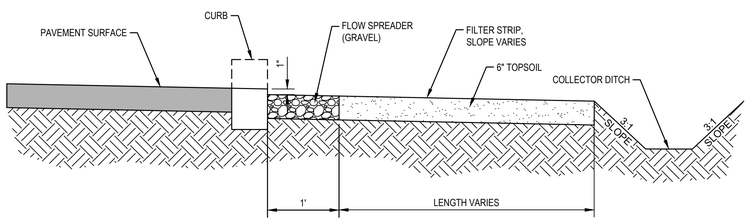


NOTES

1. SCARIFY SUBGRADE 3" MIN BEFORE BSM INSTALLATION.
2. COMPACT BSM TO 85% PER ASTM 1577.
3. MIN 3" TO DISCOURAGE FINES FROM ENTERING THE UDNERDRAIN FROM THE BSM. MAX 12" TO PREVENT UNNECESSARY BMP DEPTH FROM ENCROACHING INTO THE SEASONAL HIGH GROUND WATER.
4. IF DEPTH TO THE SEASONAL HIGH GROUND WATER ALLOWS, THIS DISTANCE BY BE LARGER.
5. WHEN AN UNDERDRAIN IS USED, THE DESIGN MUST ENSURE THAT THE SEASONAL HIGH GROUND WATER DOES NOT ENCROACH INTO THE BMP (INCLUDING THE MINERAL AGGREGATE LAYER SURROUNDING THE UNDERDRAIN PIPE).

3 C5.5 BIORETENTION CELL DETAIL
NTS



4 C5.5 FILTER STRIP DETAIL
NTS

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UTILITY DETAILS

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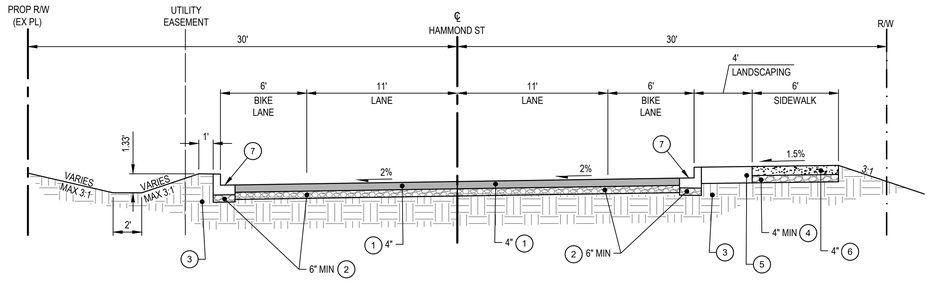
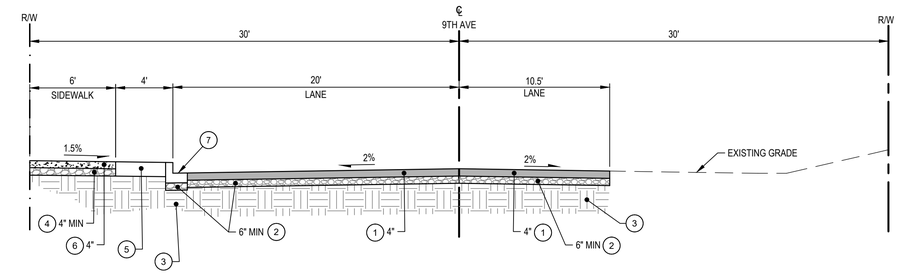
SHEET OF



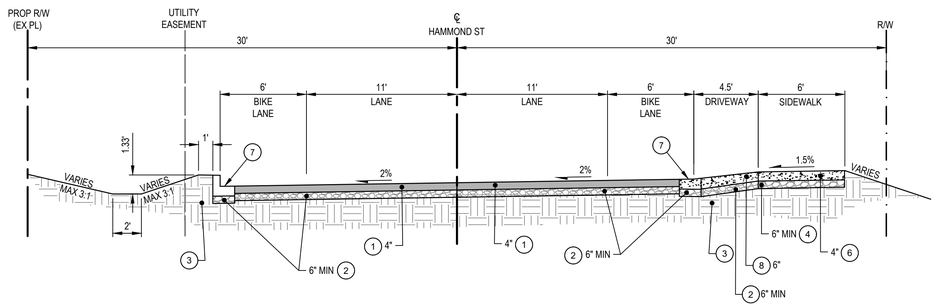
1 C6.0 WEST HAMMOND STREET SECTION - STA 0+80.00
FACING EAST SCALE: NTS

NOTE: SEE SHEET C4.0 FOR R/W INFORMATION



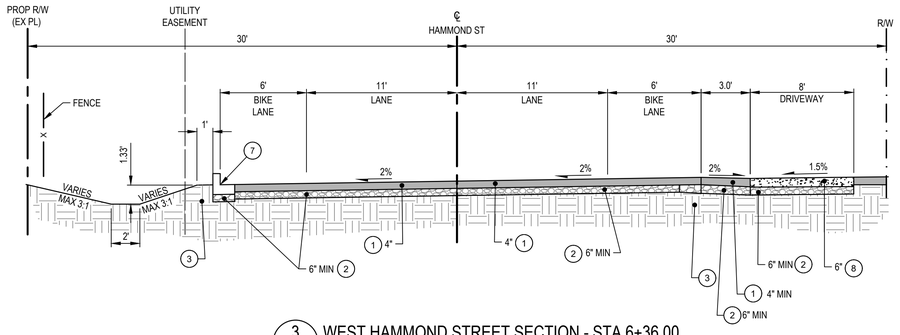
4 C6.0 SOUTH 9TH AVE SECTION - STA 2+00.00
FACING SOUTH SCALE: NTS

NOTE: SEE SHEET C4.0 FOR R/W INFORMATION



2 C6.0 WEST HAMMOND STREET SECTION STA 3+15.00
FACING EAST SCALE: NTS

NOTE: SEE SHEET C4.0 FOR R/W INFORMATION



3 C6.0 WEST HAMMOND STREET SECTION - STA 6+36.00
FACING EAST SCALE: NTS

NOTE: SEE SHEET C4.1 FOR R/W INFORMATION

CONSTRUCTION NOTES

1. MIMINUM PAVEMENT THICKNESS OF HOT MIX ASPHALT, HMA CLASS 1/2" PG 64 - 22, PLACED IN ACCORDANCE WITH WSDOT STANDARD SPEC. 5-04.3(9).
2. CRUSHED SURFACING BASE COURSE SHALL BE PLACED TO A MINIMUM DEPTH AS SHOWN, IN ACCORDANCE WITH SECTION 4-04 AND 9-03.9(3) OF WSDOT STANDARD SPECS.
3. SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH SECTION 2-06 OF WSDOT STANDARD SPECS. A GEOTECHNICAL REPORT PREPARED BY A REGISTERED PROFESSIONAL ENGINEER SHALL CERTIFY THE FINAL ROADWAY SECTION.
4. CRUSHED SURFACING TOP COURSE SHALL BE PLACED TO A MINIMUM DEPTH AS SHOWN, IN ACCORDANCE WITH SECTION 4-04 AND 9-03.9(3) OF WSDOT STANDARD SPECS.
5. SEE LANDSCAPE ARCHITECT PLANS
6. SIDEWALK PER DETAIL 3, SHEET C4.2
7. CONCRETE TRAFFIC CURB & GUTTER PER DETAIL 2, SHEET C4.3
8. CONCRETE PAVING

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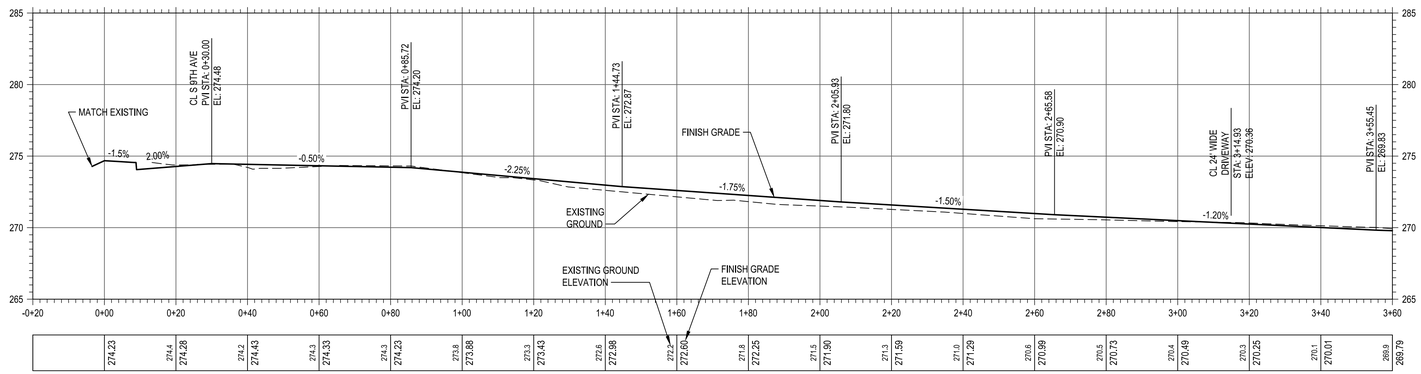
SHEET TITLE:
TYPICAL ROADWAY SECTIONS

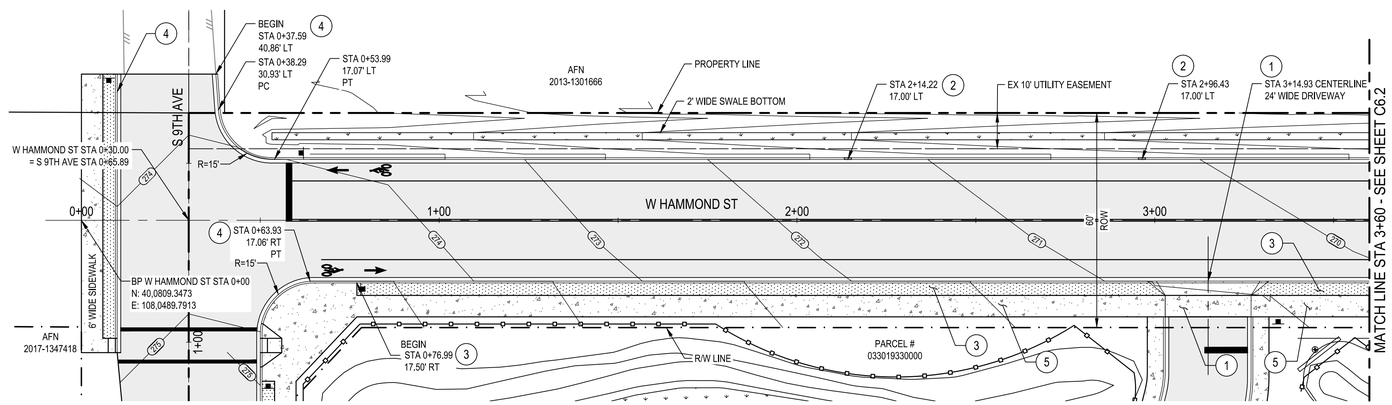
SHEET NO:
C6.0

SHEET OF



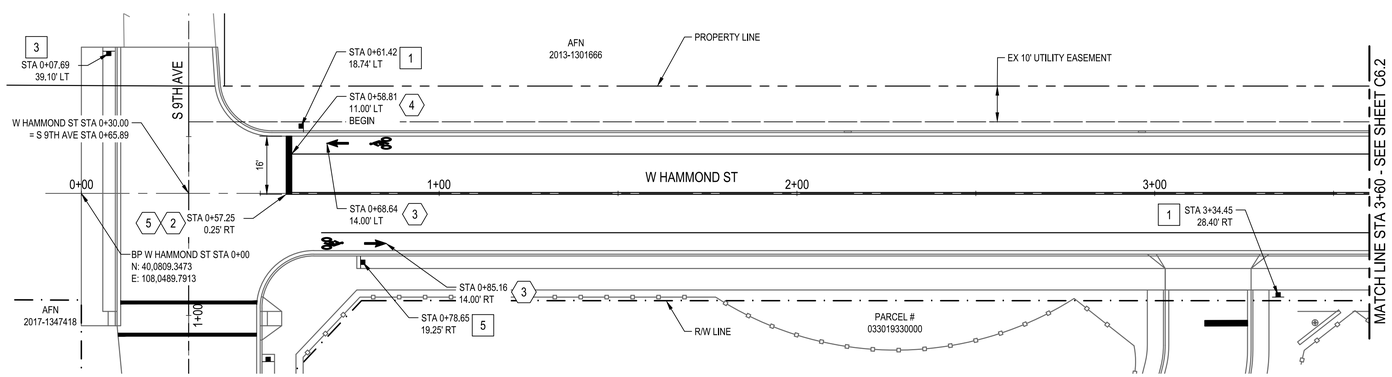
W HAMMOND STREET PROFILE

SCALE: 1" = 20' (HORIZ.) 1" = 5' (VERT.)



W HAMMOND STREET - ROADWAY CONSTRUCTION PLAN

SCALE: 1" = 20'



W HAMMOND STREET - CAHNNELIZATION PLAN PLAN

SCALE: 1" = 20'

GENERAL NOTES

1. SEE SHEET C6.0 FOR TYPICAL ROADWAY SECTIONS.
2. SEE SITE PLANS FOR SITE INFORMATION AND CROSS SECTIONS.
3. SEE GRADING PLANS FOR GRADING INFORMATION FOR CURB, RAMPS, WALKWAYS AND DRIVEWAY.
4. CURB AND GUTTER STATION/OFFSET CALLOUTS ARE TO FLOW LINE.
5. SEE WSDOT STANDARDS SECTION "M" FOR CHANNELIZATION MATERIAL SPECIFICATIONS.

CONSTRUCTION NOTES

1. CONSTRUCT CEMENT CONCRETE APPROACH PER WSDOT STD PLAN F-80.10.03, TYPE 3 - MODIFIED, SEE DETAIL 7, SHEET C4.3
2. CONSTRUCT NOSE-DOWN CURB PER DETAIL 4, SHEET C4.3
3. PLANTER STRIP, SEE TYPICAL ROADWAY SECTIONS, SHEET C6.0
4. CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL 2, SHEET C4.3
5. CONCRETE SIDEWALK, SEE TYPICAL ROADWAY SECTIONS, SHEET C6.0

CHANNELIZATION NOTES

1. INSTALL 12" WIDE THERMOPLASTIC PARALLEL BAR MARKING CROSSWALK MARKINGS PER PLAN
2. YELLOW DOUBLE CENTERLINE LINE PER WSDOT STD PLAN M-20.10.02
3. INSTALL THERMOPLASTIC BIKE LANE SYMBOL (WITH ARROWS) PER WSDOT STD PLAN M-9.50.02, STATION IS TO FRONT TIP OF ARROW
4. INSTALL 4" WHITE SOLID LANE LINE PER WSDOT STD PLAN M-20.10.02
5. INSTALL 12" WIDE STOP BAR PER WSDOT STD PLAN M-24.60.04

SIGNAGE NOTES

1. "STOP" SIGN
2. "25 MPH SPEED LIMIT" SIGN
3. "NO TROUGH TRAFFIC" SIGN
4. "ROAD NARROWS" SIGN
5. "BIKE LANE" SIGN
6. "ENDS" SIGN

HORIZONTAL SCALE
20 10 0 20 40
SCALE: 1 INCH = 20 FEET

VERTICAL SCALE
5 2.5 0 5 10
SCALE: 1 INCH = 5 FEET

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REGISTERED PROFESSIONAL ENGINEER
01/10/2020

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
SEQUIM, WASHINGTON

FOR PLAN CHECK REVIEW

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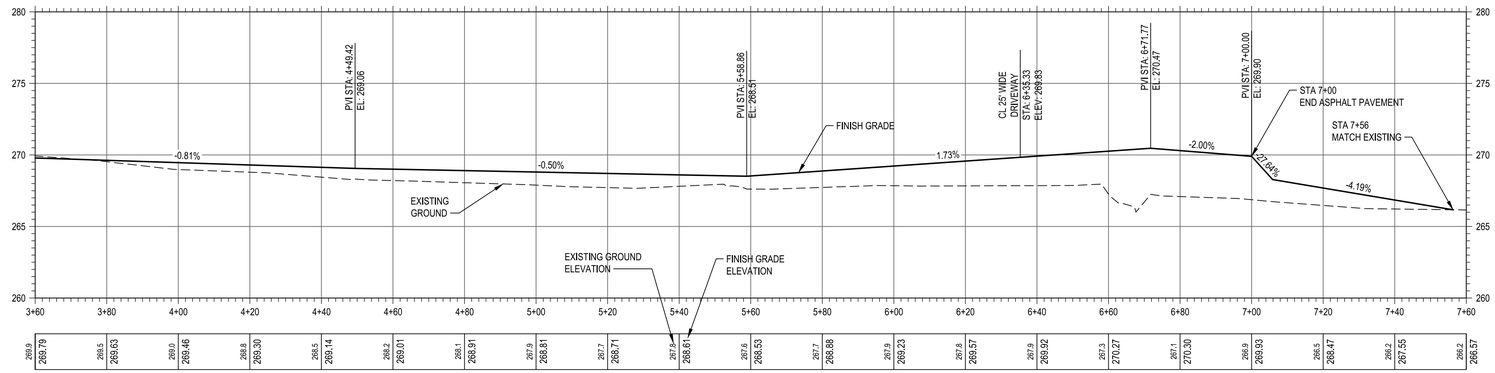
SHEET TITLE:

HAMMOND STREET ROADWAY PLANS AND PROFILE

SHEET NO:

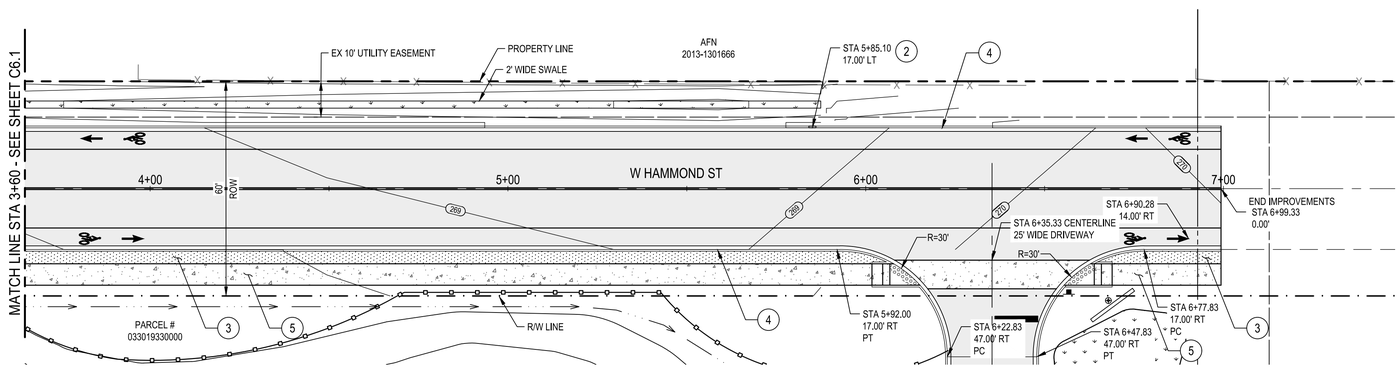
C6.1

SHEET OF



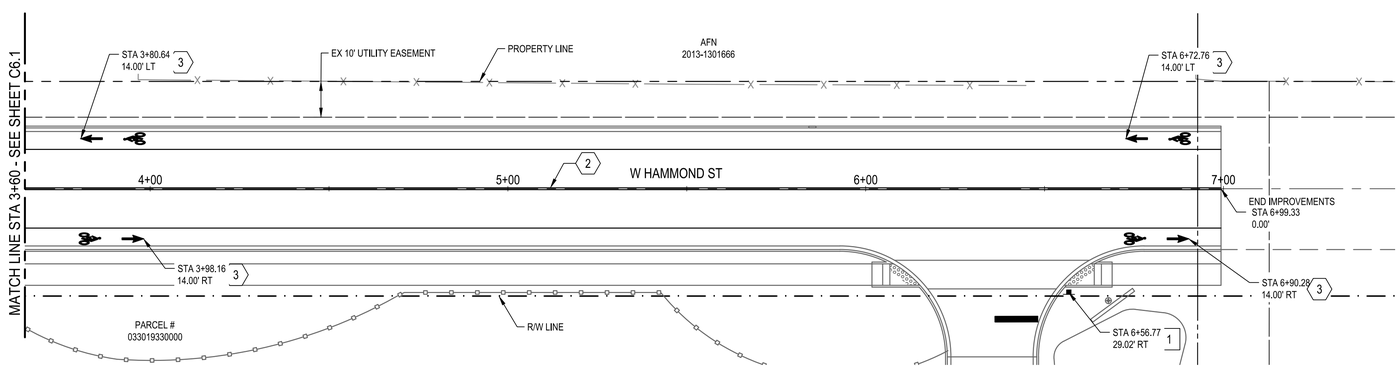
W HAMMOND STREET PROFILE

SCALE: 1" = 20' (HORIZ.) 1" = 5' (VERT.)



W HAMMOND STREET - ROADWAY CONSTRUCTION PLAN

SCALE: 1" = 20'



W HAMMOND STREET - CAHNNELIZATION PLAN PLAN

SCALE: 1" = 20'

GENERAL NOTES

1. SEE SHEET C6.0 FOR TYPICAL ROADWAY SECTIONS.
2. SEE SITE PLANS FOR SITE INFORMATION AND CROSS SECTIONS.
3. SEE GRADING PLANS FOR GRADING INFORMATION FOR CURB, RAMPS, WALKWAYS AND DRIVEWAY.
4. CURB AND GUTTER STATION/OFFSET CALLOUTS ARE TO FLOW LINE.
5. SEE WSDOT STANDARDS SECTION "M" FOR CHANNELIZATION MATERIAL SPECIFICATIONS.

CONSTRUCTION NOTES

1. CONSTRUCT CEMENT CONCRETE APPROACH PER WSDOT STD PLAN F-80.10.03, TYPE 3 - MODIFIED, SEE DETAIL 7, SHEET C4.3
2. CONSTRUCT NOSE-DOWN CURB PER DETAIL 4, SHEET C4.3
3. PLANTER STRIP, SEE TYPICAL ROADWAY SECTIONS, SHEET C6.0
4. CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL 2, SHEET C4.3
5. CONCRETE SIDEWALK, SEE TYPICAL ROADWAY SECTIONS, SHEET C6.0

CHANNELIZATION NOTES

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SIGNAGE NOTES

1. "STOP" SIGN
2. "25 MPH SPEED LIMIT" SIGN
3. "NO TROUGH TRAFFIC" SIGN
4. "ROAD NARROWS" SIGN
5. "BIKE LANE" SIGN

HORIZONTAL SCALE
20 10 0 20 40
SCALE: 1 INCH = 20 FEET

VERTICAL SCALE
5 2.5 0 5 10
SCALE: 1 INCH = 5 FEET

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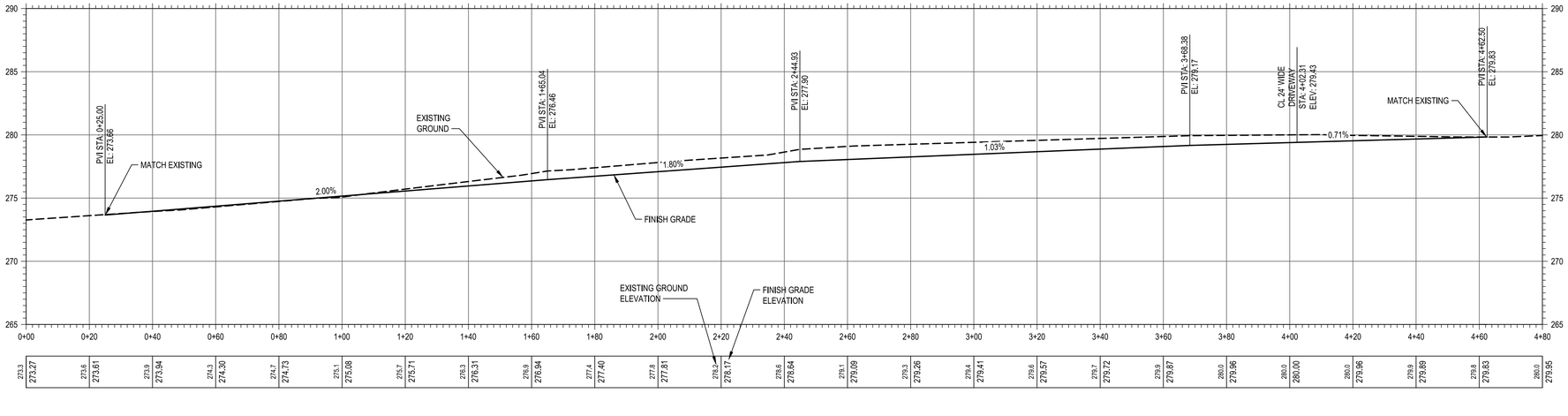
SHEET TITLE:

HAMMOND STREET ROADWAY PLANS AND PROFILE

SHEET NO:

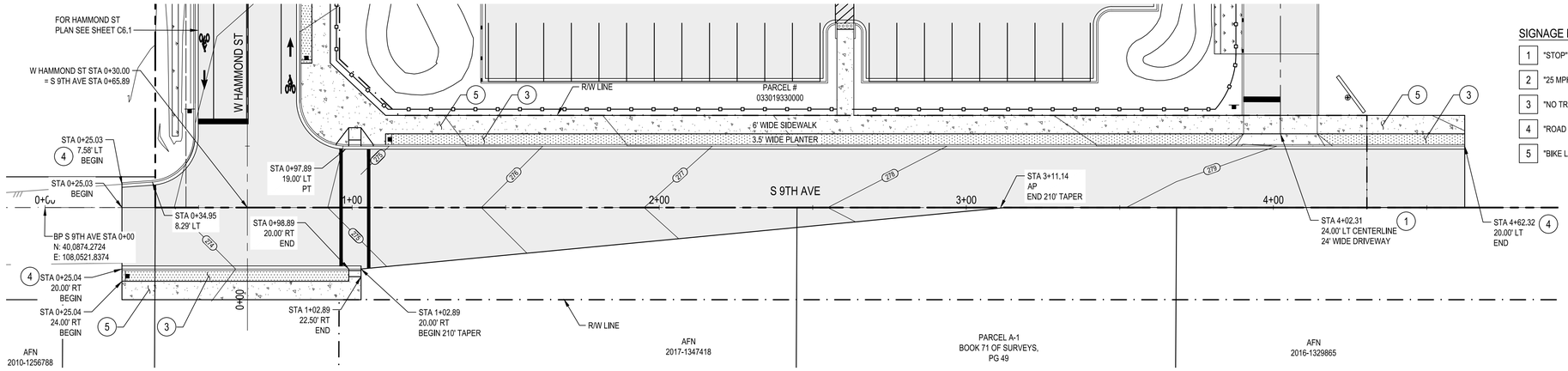
C6.2

SHEET OF



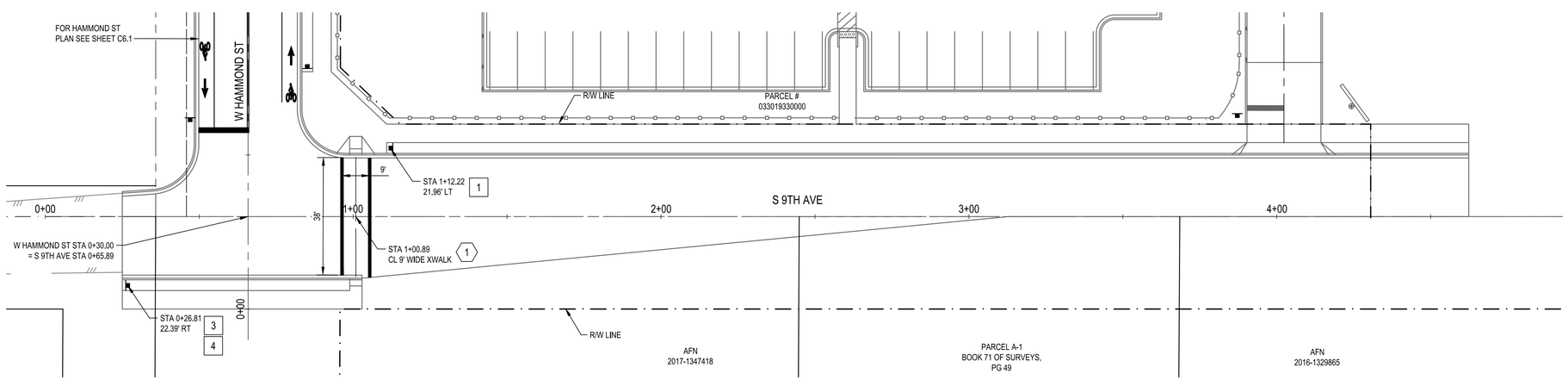
S 9TH AVE PROFILE

SCALE: 1" = 20' (HORIZ.) 1" = 5' (VERT.)



S 9TH AVE - ROADWAY CONSTRUCTION PLAN

SCALE: 1" = 20'



S 9TH AVE - CAHNNELIZATION PLAN PLAN

SCALE: 1" = 20'

GENERAL NOTES

1. SEE SHEET C6.0 FOR TYPICAL ROADWAY SECTIONS.
2. SEE SITE PLANS FOR SITE INFORMATION AND CROSS SECTIONS.
3. SEE GRADING PLANS FOR GRADING INFORMATION FOR CURB, RAMPS, WALKWAYS AND DRIVEWAY.
4. CURB AND GUTTER STATION/OFFSET CALLOUTS ARE TO FLOW LINE.
5. SEE WSDOT STANDARDS SECTION "M" FOR CHANNELIZATION MATERIAL SPECIFICATIONS.

CONSTRUCTION NOTES

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3. PLANTER STRIP, SEE TYPICAL ROADWAY SECTIONS, SHEET C6.0
4. CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL 2, SHEET C4.3
5. CONCRETE SIDEWALK, SEE TYPICAL ROADWAY SECTIONS, SHEET C6.0

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SIGNAGE NOTES

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5. "BIKE LANE" SIGN

HORIZONTAL SCALE
20 10 0 20 40
SCALE: 1 INCH = 20 FEET

VERTICAL SCALE
5 2.5 0 5 10
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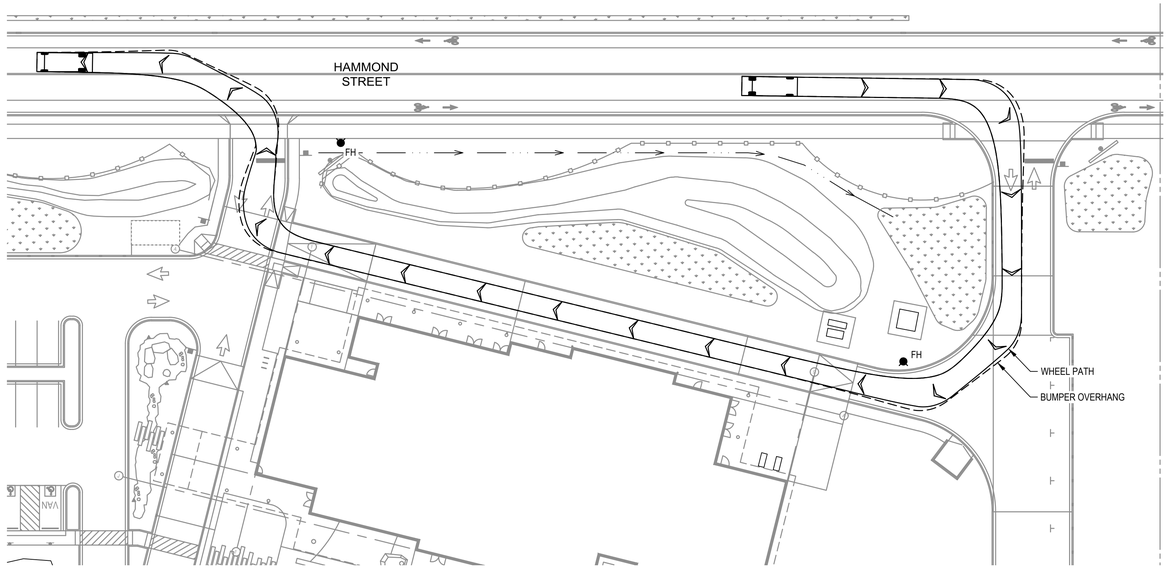
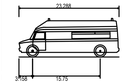
9TH AVE PLAN AND PROFILE

SHEET NO:
C6.3

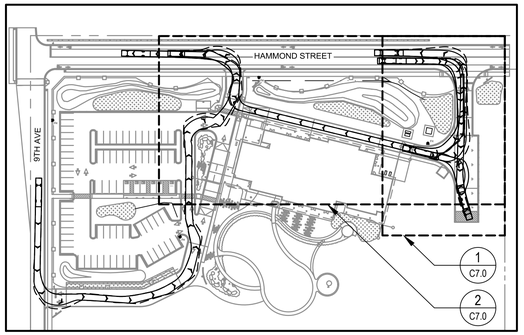
SHEET OF



1 C7.0 AMBULANCE CIRCULATION
SCALE 1" = 30'



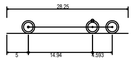
Horton 453 Type I Ford E-Series Ambulance	
Overall Length	23.288ft
Overall Width	8.021ft
Overall Body Height	9.000ft
Min Body Ground Clearance	1.075ft
Track Width	8.021ft
Lock-to-lock time	5.00s
Curb to Curb Turning Radius	27.400ft



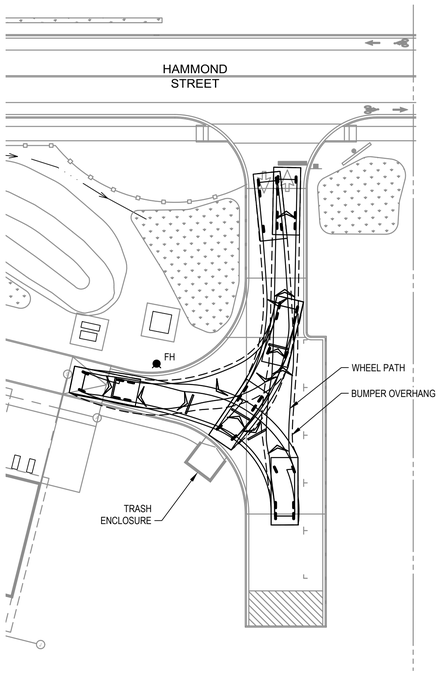
KEY PLAN
SCALE: 1" = 100'

LEGEND

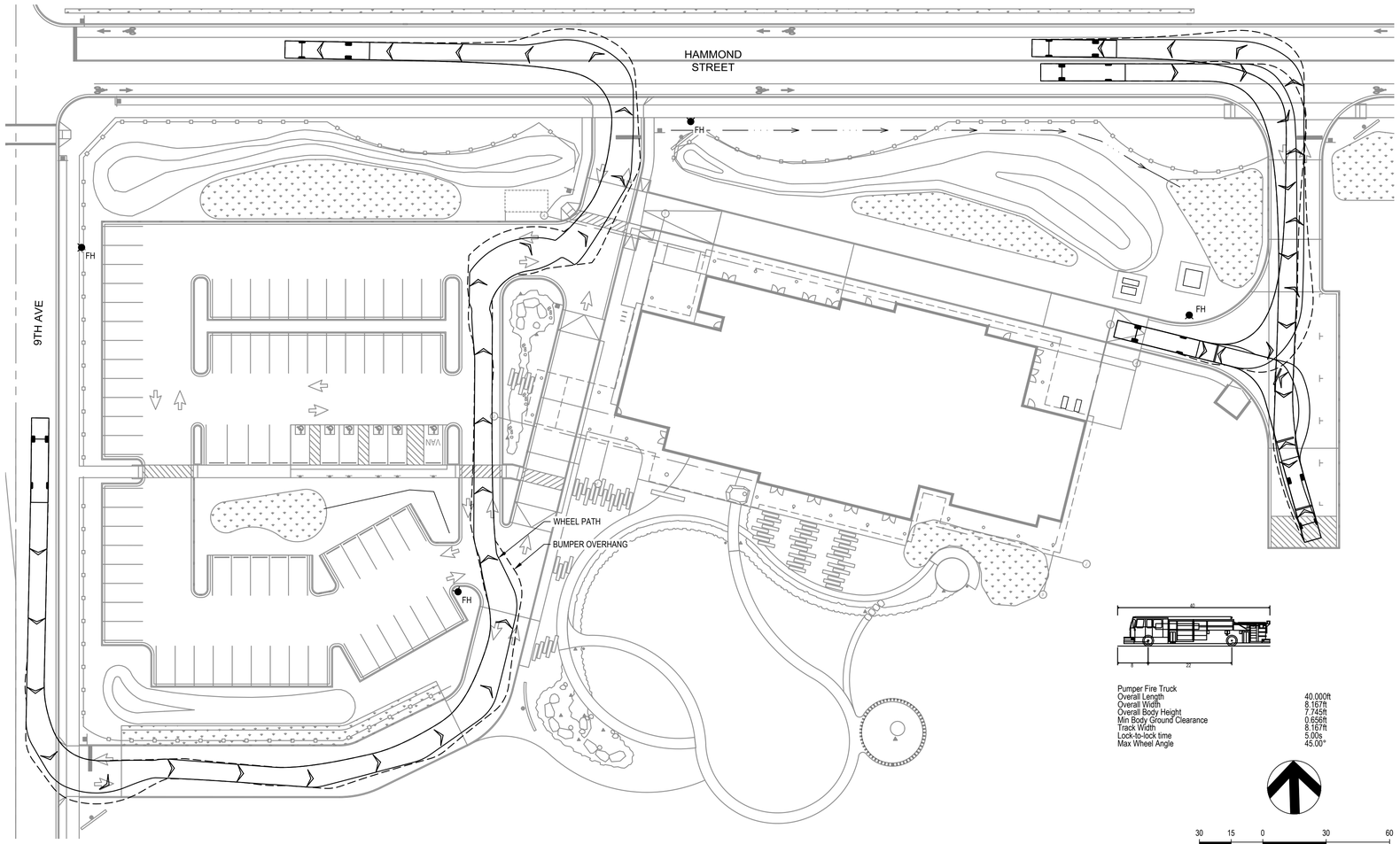
FH FIRE HYDRANT



Trash Compactor Truck	
Overall Length	28.250ft
Overall Width	11.330ft
Overall Body Height	1.473ft
Min Body Ground Clearance	1.473ft
Track Width	8.420ft
Lock-to-lock time	5.00s
Max Steering Angle (Virtual)	35.00°



2 C7.0 REFUSE COLLECTOR TRUCK CIRCULATION
SCALE 1" = 30'



Pumper Fire Truck	
Overall Length	40.000ft
Overall Width	8.167ft
Overall Body Height	7.745ft
Min Body Ground Clearance	0.656ft
Track Width	8.167ft
Lock-to-lock time	5.00s
Max Wheel Angle	45.00°

30 15 0 30 60
SCALE: 1 INCH = 30 FEET

FIRE TRUCK CIRCULATION
SCALE: 1" = 30'

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SHEET TITLE:
CIRCULATION PLAN

SHEET NO:
C7.0

SHEET OF

OCCUPANT LOAD CHART BY ROOM

ROOM INFORMATION NO.	NAME	AREA	OCCUPANCY CLASSIFICATION	IBC 2015 TABLE 1004.1.2 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT: FUNCTION OF SPACE	LOAD FACTOR	GROSS/NET	OCCUPANT LOAD
100	VESTIBULE	124 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
101	MAIN LOBBY	780 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	8
103	RECEPTION	116 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
104	SECURITY	157 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
105	HALL	502 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	6
106	ADMIN CONFERENCE	177 SF	BUSINESS	ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED	15 SF	NET	12
107	CFO	179 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
108	CHILD WATCH	298 SF	BUSINESS	DAY CARE	35 SF	NET	10
108	CHILD WATCH	41 SF		(none)			
109	CHILD TLT	48 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
110	OFFICE 04	118 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
111	OFFICE 03	119 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
112	CEO	169 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
113	OFFICE 01	99 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
114	OFFICE 02	99 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
115	HALL	66 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	3
115	HALL	194 SF		(none)			
116	STAFF LOUNGE	339 SF	BUSINESS	ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED	15 SF	NET	23
117	CONFERENCE	719 SF	BUSINESS	ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED	15 SF	NET	49
118	HALL	223 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	3
119	STORAGE	25 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
120	STAFF TLT #1	70 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
121	PHARMACY	251 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	3
122	SAFE	41 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
123	DOSING 1	48 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
124	DOSING 2	46 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
125	DOSING 3	49 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
126	JANITOR	70 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
127	HALL	108 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
127	HALL	45 SF		(none)			
128	STAFF TLT #2	46 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
129	IT/DATA	84 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
130	DELIVERIES / GENERAL STORAGE	108 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
131	PAT. TLT #4	49 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
132	VENDING	24 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
133	HALL	492 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	6
133	HALL	79 SF		(none)			
134	DENTAL / PC WAITING	319 SF	BUSINESS	ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED	15 SF	NET	23
135	PAN	59 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
136	DENTAL LAB	73 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1

OCCUPANT LOAD CHART BY ROOM

ROOM INFORMATION NO.	NAME	AREA	OCCUPANCY CLASSIFICATION	IBC 2015 TABLE 1004.1.2 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT: FUNCTION OF SPACE	LOAD FACTOR	GROSS/NET	OCCUPANT LOAD
137	STORAGE	56 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
138	STERILIZATION	65 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
139	OPERATORY #1	129 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
140	OPERATORY #2	129 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
141	OPERATORY #3	129 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
142	OFFICE	109 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
143	STAFF RESPITE	246 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	3
144	DENTAL / PC CHECK-IN	183 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
145	JANITOR	46 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
146	MED GAS	23 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
147	FIRE SPRINKLER	63 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
148	ELEC	107 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
149	MECH	190 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
150	HALL	242 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	4
150	HALL	73 SF		(none)			
150	HALL	52 SF		(none)			
150A	LNDRY	18 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
151	STAFF TLT #3 / SHWR	77 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
152	STAFF TLT	48 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
153	HALL	154 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
154	COUNSELING 09	108 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
155	COUNSELING 08	97 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
156	COUNSELING 10	104 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
157	COUNSELING 07	96 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
158	COUNSELING 11	104 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
159	COUNSELING 06	93 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
160	HALL	229 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	3
161	COUNSELING 05	109 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
162	COUNSELING 04	100 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
163	COUNSELING 03	98 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
164	COUNSELING 02	98 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
165	COUNSELING 01	98 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
166	COUNSELING 12	116 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
169	HALL	345 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	4

OCCUPANT LOAD CHART BY ROOM

ROOM INFORMATION NO.	NAME	AREA	OCCUPANCY CLASSIFICATION	IBC 2015 TABLE 1004.1.2 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT: FUNCTION OF SPACE	LOAD FACTOR	GROSS/NET	OCCUPANT LOAD
169A	CLOSET	18 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
170	BARIATRIC EXAM #3	159 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
171	EXAM #2	115 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
172	EXAM #1	115 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
173	SOILED UTILITY	101 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
174	CLEAN / MEDS	101 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
175	PHLEBOTOMY	75 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
176	HALL	184 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
180	PROVIDER OFFICE	119 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
181	NURSE STATION / LAB	305 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	4
182	UA TLT	44 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
183	UA TLT	41 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
183	DOSING & COUNSELING WAITING	645 SF	BUSINESS	ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED	15 SF	NET	24
184	PAT. TLT #1	55 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
185	PAT. TLT #2	56 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
190	SOCIAL WORKER	103 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
190A	CLOSET	36 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
191	PATIENT TLT #3	54 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	1
192	GROUP 4	289 SF	BUSINESS	ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED	15 SF	NET	20
193	GROUP 3	289 SF	BUSINESS	ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED	15 SF	NET	20
194	GROUP 2	289 SF	BUSINESS	ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED	15 SF	NET	20
195	GROUP 1	291 SF	BUSINESS	ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED	15 SF	NET	19
212	HALL	312 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	4
224	STO	28 SF	BUSINESS	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
225	HALL	645 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	10
227	HALL	343 SF	BUSINESS	BUSINESS AREAS	100 SF	GROSS	2
LEVEL 1		15400 SF					384
TOTAL		15400 SF					384

GROSS BUILDING AREA

LEVEL	OCCUPANCY CLASSIFICATION	AREA
LEVEL 1	B	16,720 SF
BUILDING TOTAL		16,720 SF

NOTES & LEGEND - LIFE SAFETY PLAN

1. PROVIDE EXIT SIGNAGE PER 2015 IBC 1009.9, 1009.10, 1009.11, AND 1013.
2. PROVIDE MEANS OF EGRESS ILLUMINATION PER 2015 IBC 1008.

ROOM NAME ### [#] — ROOM TAG W/ OCCUPANT LOAD COUNT
45 MIN — DOOR FIRE RATING
00.00" / 00.00" — MEANS OF EGRESS CAPACITY; *WIDTH PROVIDED*; *WIDTH REQUIRED*
FIRE PARTITION, 1-HOUR
EXIT SIGN
FIRE EXTINGUISHER
PATH OF EGRESS
EXIT ACCESS
123 — EXIT DISCHARGE OCCUPANT LOAD

KEY NOTES - F & LS FLOOR PLAN

#	NOTE DESCRIPTION
1	SMALL ASSEMBLY SPACE CLASSIFIED AS GROUP B OCCUPANCY. [PER 2015 IBC 303.1.2]
2	COVERED OUTDOOR SPACES ARE EXEMPT FROM INCLUDING IN THE OCCUPANT LOAD CALCULATION PER PROJECT REVIEW MEETING WITH CITY OF SEQUIM, COMMUNITY DEVELOPMENT DEPARTMENT ON DECEMBER 05, 21019.

APPLICABLE CODES

SEQUIM MUNICIPAL CODE
WASHINGTON STATE AMENDMENTS
2015 WASHINGTON STATE ENERGY CODE (WSEC)
2015 INTERNATIONAL BUILDING CODE (IBC)
2015 INTERNATIONAL MECHANICAL CODE (IMC)
2015 INTERNATIONAL FIRE CODE (IFC)
2015 UNIFORM PLUMBING CODE (UPC)
2015 INTERNATIONAL FUEL GAS CODE (IFGC)
2014 NATIONAL ELECTRICAL CODE (NEC)
2009 ICC A117.1 ACCESSIBILITY STANDARD

ZONING CODE ANALYSIS

ZONING CODE SUMMARY

CRITERIA	REQUIRED	PROVIDED
DISTRICT TYPE	MIXED OR PLANNED DEVELOPMENT	
ZONING	EOA (ECONOMIC OPPORTUNITY AREA), IRREOA (RIVER ROAD ECONOMIC OPPORTUNITY AREA)	
ZONING OVERLAY	N/A	
LAND USE	OUTPATIENT CLINIC PERMITTED [PER SMC TABLE 18.33.031]	OUTPATIENT CLINIC
AVERAGE LOT SIZE	N/A	
SETBACK	(MIN 10 FT) FRONT (MIN 5 FT) OTHER (MIN 10 FT) STREET [PER SMC TABLE 18.33.042]	
DWELLING UNITS	(MAX NUMBER OF UNITS)	
PARKING	SEE ARCHITECTURAL SITE PLAN, NOTE 3. [SMC 18.33.080, 18.48]	SEE ARCHITECTURAL SITE PLAN, NOTE 3.
BIKE PARKING	SMC 18.24.180, B6	
BUILDING SEPARATION	(MIN FT)	
OPEN SPACE	(MIN %, SF)	
LOT COVERAGE	BASED ON STORMWATER, PARKING, AND LANDSCAPING STANDARDS PER SMC 13.104, 18.24.130 RESPECTIVELY.	
IMPERVIOUS	(MAX %, SF)	
BUILDING HEIGHT	35 FEET FOR SINGLE USE BUILDING. MECHANICAL EQUIPMENT & SCREENS ARE EXCEMPT. [PER TABLE 18.33.042]	*APPROX. 26'-6"*

BUILDING CODE ANALYSIS

CHAPTER 3
USE AND OCCUPANCY CLASSIFICATION

B (BUSINESS) OCCUPANCY, NON-SEPARATED [PER 2015 IBC 508.3]

CHAPTER 5
GENERAL BUILDING HEIGHTS AND AREAS

TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE

OCCUPANCY CLASSIFICATION	SPRINKLER	TYPE VB	PROPOSED HEIGHT
B	S	60	

TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE

OCCUPANCY CLASSIFICATION	SPRINKLER	TYPE VB	PROPOSED STORIES
B	S	3	1

TABLE 506.2 ALLOWABLE AREA FACTOR (SF)

OCCUPANCY CLASSIFICATION	SPRINKLER	TYPE VB	PROPOSED AREAS
B	S1	42,300	16,720 SF
			16,720 SF

[ALLOWABLE AREA CALULATION PER 2015 IBC 503.2.1]
Aa = At + (NS x If) = 36,000 + (9,000 x 0.7) = 42,300
If = [F/P - 0.25] W/30 = [692.33 / 725.33 - 0.25] 30/30 = 0.7

CHAPTER 6
TYPES OF CONSTRUCTION

TABLE 601 FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS (HOURS)

BUILDING ELEMENT	TYPE VB
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS, EXTERIOR	0
NONBEARING WALLS AND PARTITIONS, EXTERIOR	--
NONBEARING WALLS AND PARTITIONS, INTERIOR	0
BEARING WALLS, INTERIOR	0
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0

TABLE 602 FIRE-RESISTANCE RATING FOR EXTERIOR WALLS (HOURS)

FIRE SEPARATION DISTANCE (FT)	TYPE OF CONSTRUCTION	OCCUPANCY GROUPS A, B, E, F-2, I, R, S-2, U
10 ≤ X < 30	IIB, VB	0

CHAPTER 10
MEANS OF EGRESS

TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

OCCUPANCY	MAX OCCUPANT LOAD OF SPACE	MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE WITH SPRINKLER SYSTEM (FT)
B	49	100

TABLE 1006.3.1 MIN NUMBER OF EXITS OR ACCESS TO EXITS PER STORY

OCCUPANT LOAD PER STORY	MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS FROM STORY
1-500	2

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE (FT)

OCCUPANCY	WITH SPRINKLER SYSTEM
B	300

TABLE 1020.1 CORRIDOR FIRE-RESISTANCE RATING (HOURS)

OCCUPANCY	OCCUPANT LOAD SERVED BY CORRIDOR	WITH SPRINKLER SYSTEM
A, B, E, F, M, S, U	> 30	0

TABLE 1020.2 MINIMUM CORRIDOR WIDTH

OCCUPANCY	MINIMUM WIDTH (IN)
OTHER FACILITIES NOT LISTED IN TABLE 1020.2	44

[EGRESS DOOR CAPACITY]
- REQUIRED: 0.15" PER OCCUPANT LOAD (2015 IBC 1005.3.2, EXCEPTION 1)
- PROVIDED: 3'-0" DOOR = 160 OCCUPANTS (BASED ON 32" CLEAR OPENING)
  3'-6" DOOR = 253 OCCUPANTS (BASED ON 38" CLEAR OPENING)
  6'-0" DOOR = 320 OCCUPANTS (BASED ON 64" CLEAR OPENING)

CHAPTER 17*
NON-STRUCTURAL SPECIAL INSPECTIONS AND TESTS

***IN ADDITION TO WSEC STATEMENT OF SPECIAL INSPECTIONS FOR GENERAL TRADES, MECHANICAL, AND ELECTRICAL SYSTEMS**

1. SPECIAL INSPECTIONS SHALL BE PROVIDED PER THE REQUIREMENTS OF THE IBC AND REFERENCED STANDARDS.
2. REFER TO STRUCTURAL DRAWINGS FOR SPECIAL INSPECTION REQUIREMENTS OF STRUCTURAL SYSTEMS.
3. TESTING AND SPECIAL INSPECTION REPORTS PREPARED BY THE SPECIAL INSPECTOR SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, ARCHITECT, ENGINEER, AND OWNER ON A DAILY BASIS WHENEVER TESTING OR SPECIAL INSPECTIONS ARE PERFORMED.

DESIGN NOTE: *THIS PROJECT IS IN SEISMIC ZONE D, RISK CATEGORY II.*

SPECIAL INSPECTIONS AND TESTS

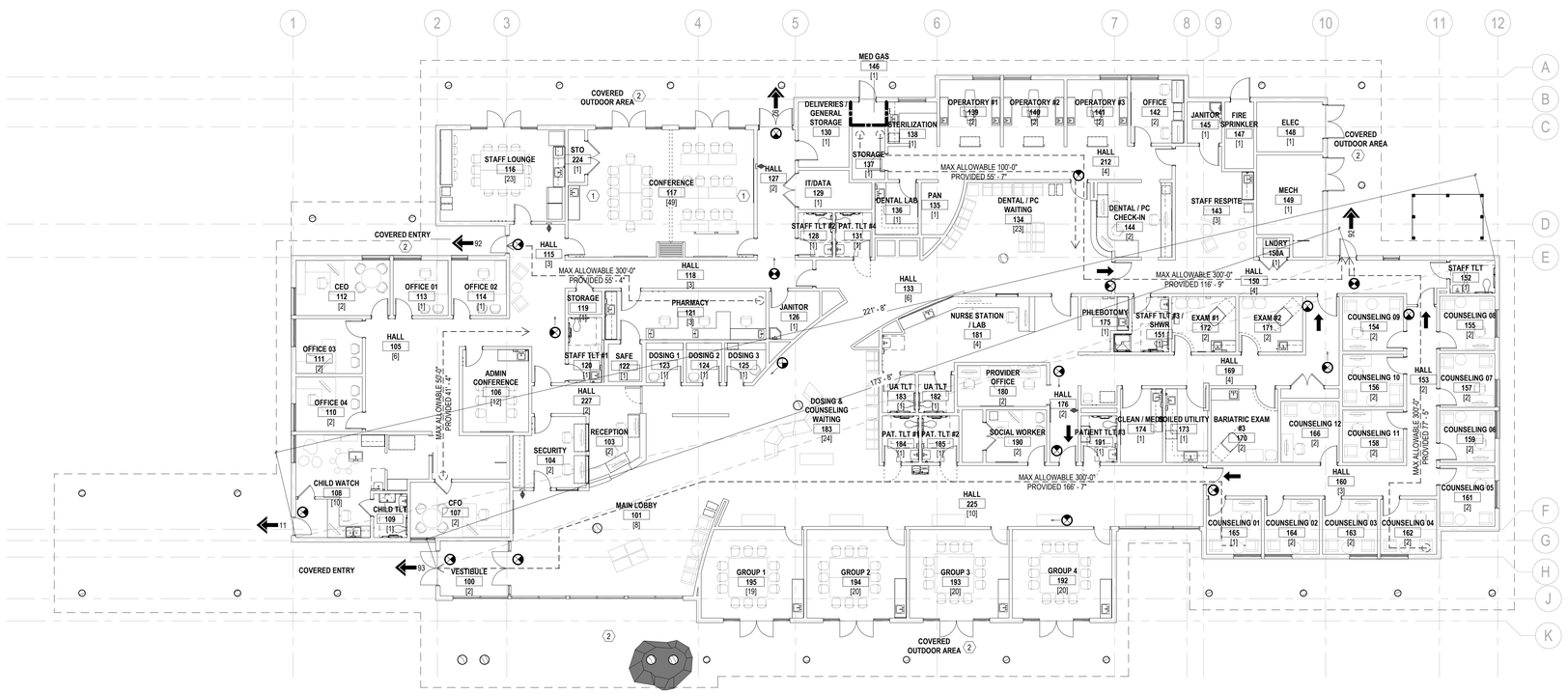
SYSTEM	REFERENCE 2015 IBC, UNO	VERIFICATION AND INSPECTION	INSPECTION METHODS TESTING	INSPECTION METHODS PERIODIC	TYPICAL DIVISIONS
INTERIOR NON-LOAD BEARING PARTITIONS	1705.12.5	ERECTION AND FASTENING	NO	YES	VARIOUS
SUSPENDED CEILING GRIDS	ASCE 7-10 11.A.1.3.9 (2)	INSTALLATION	NO	YES	09
BUILDING ENVELOPE AIR BARRIER	WSEC C402.5.1.2	AIR LEAKAGE RATE	YES AT BLDG COMPLETION	NO	SEE AIR BARRIER SHEET

CHAPTER 29
PLUMBING SYSTEMS

PLUMBING FIXTURE CALCULATION [2015 IBC TABLE 2902.1, WASHINGTON STATE AMENDMENT]

OCCUPANCY	DESCRIPTION	OCCUPANCY LOAD	O.L. PER GENDER		WC CALC	WC REQD	LAV CALC	LAV REQD	TUB/SHR CALC	TUB/SHR REQD
A3	AUDITORIUM WITHOUT PERMANENT SEATING, GYMNASIUMS	210	105	MALE	1/125	0.84	1/200	1.05	-	-
			105	FEMALE	1/65	1.62				
B	BUSINESS	155	-	-	O.L.≤50, 1/25 O.L.>50,1/50	4.10	O.L.≤80, 1/40 O.L.>80, 1/80	2.94	-	-
S-1, S-2	STRUCTURES FOR THE STORAGE OF GOODS, WAREHOUSES, STOREHOUSES, LOW AND MODERATE HAZARD	19	-	-	1/100	0.19	1/100	0.19	-	-
TOTAL		384				6.75		4.18		0
TOTAL REQD						**7**		**5**		**0**
EXISTING FIXTURE COUNT						0		0		0
NEW FIXTURES ADDED						11		10		1
TOTAL PROVIDED						**11**		**10**		**1**

[DRINKING FOUNTAINS]
(2) DRINKING FOUTAINS REQUIRED PER 2015 IBC 2902.5, WASHINGTON STATE AMENDMENT.



N 1 LEVEL 1 - LIFE SAFETY PLAN
3/32" = 1'-0"

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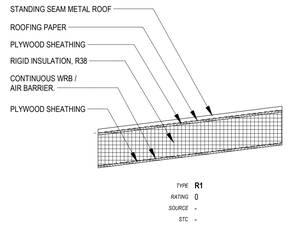
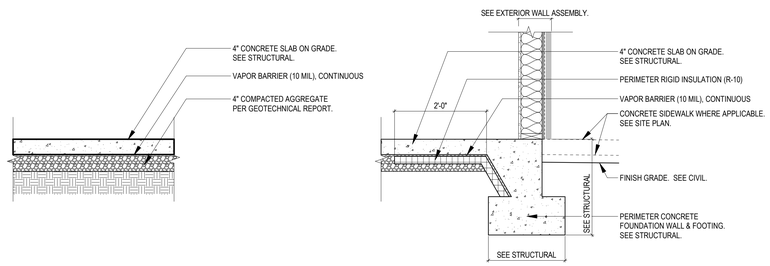
PROJECT #	2018136.01
PERMIT SET	
ISSUE DATE	JAN. 10, 2020
REVISION SCHEDULE	

LIFE SAFETY PLAN - LEVEL 1

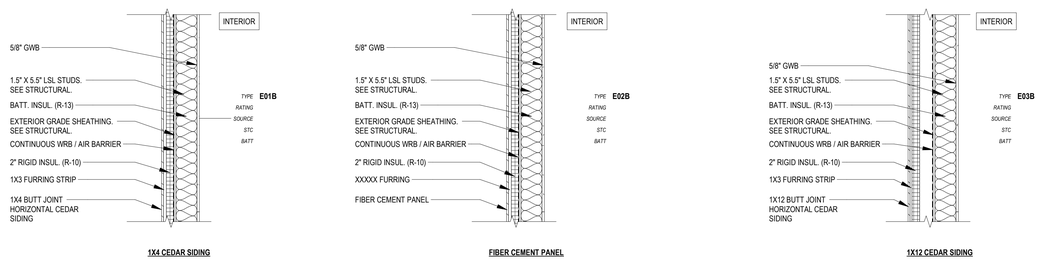
SHEET #
A01.01



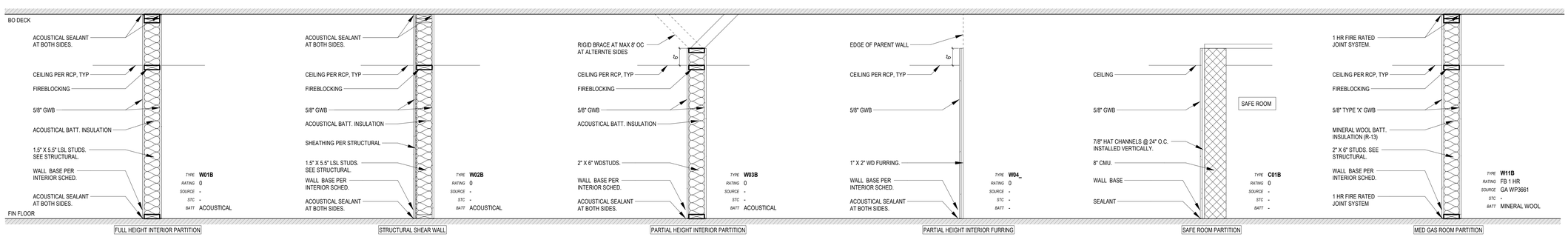
4 ROOF TYPES
3/4" = 1'-0"



4.1 FLOOR TYPES
3/4" = 1'-0"



2 EXTERIOR WALL TYPES
3/4" = 1'-0"



1 INTERIOR PARTITION TYPES
3/4" = 1'-0"

NOTES & LEGEND - RATED ASSEMBLIES

FRAMING TYPE
- E = EXTERIOR FRAMING (VARIES)
- M = INTERIOR METAL FRAMING
- W = INTERIOR WOOD FRAMING
- C = CONCRETE / MASONRY

2-DIGIT ASSEMBLY NUMBER
SEE ASSEMBLY SECTION

STUD SIZE/ THICKNESS

WOOD	*CONCRETE*
• A = 2X4	• A = 6"
• B = 2X6	• B = 8"
• C = 2X8	• C = 10"
• D = 2X10	• D = 12"
• E = 2X12	• S = PER STRUCTURAL

MASONRY
- A = 4X8X16
- B = 6X8X16
- C = 8X8X16
- S = PER STRUCTURAL

TYPE W##_
RATING FB 1 HR
SOURCE XX.X###
STC 00-99
BATT INSULATION TYPE

BARRIER TYPE & RATING
- CP = COLUMN PROTECTION
- EW = EXTERIOR WALL
- FW = FIRE WALL
- FB = FIRE BARRIER
- FP = FIRE PARTITION
- SB = SMOKE BARRIER
- SP = SMOKE PARTITION

(SEE IBC CHAPTER 7)

RATED SYSTEM SOURCE
- GA
- IBC (TABLE 721.1)
- UL

TERMINATE FIRE RATED ASSEMBLIES AS DESCRIBED BELOW:

EXTERIOR WALLS PER IBC 705
1. FIRE SEPARATION >10 FT: RATED FOR FIRE EXPOSURE FROM INSIDE
2. FIRE SEPARATION <10 FT: RATED FOR FIRE EXPOSURE FROM BOTH SIDES

FIRE BARRIERS PER IBC 707
HORIZONTAL:
VOIDS AT THE INTERSECTION OF A FIRE BARRIER AND A NON-FIRE RATED EXTERIOR WALL ASSEMBLY SHALL BE FILLED WITH A MATERIAL OR SYSTEM APPROVED BY THE JURISDICTION. TESTED ASSEMBLY NOT REQUIRED AT THIS LOCATION.

VERTICAL OPTIONS:
1. FROM TOP OF FOUNDATION OR HORIZONTAL ASSEMBLY BELOW; TERMINATE AT UNDERSIDE OF STRUCTURAL DECK ABOVE AND SECURELY ATTACHED THERETO.
2. FIRE BARRIERS AROUND SHAFT, EXIT STAIRWAY AND RAMP ENCLOSURES THAT DO NOT EXTEND TO UNDERSIDE OF ROOF DECK SHALL BE ENCLOSED AT THE TOP WITH CONSTRUCTION AT MINIMUM FIRE RATING AS THE TOPMOST FLOOR PENETRATED BY THE SHAFT AND THE FIRE RATING OF THE SHAFT ENCLOSURE.

FIREBLOCKING PER IBC 718.2
FIREBLOCKING MATERIALS (I.E. 2X LUMBER, 1/2" GYPSUM BOARD, SECURED BATT INSULATION AND OTHER MATERIALS LISTED IN IBC 718.2.1) SHALL BE INSTALLED IN COMBUSTIBLE CONCEALED SPACES TO FORM AN EFFECTIVE BARRIER BETWEEN FLOORS AND BETWEEN TOP STORY AND ROOF ATTICS. THE FOLLOWING ARE THE MINIMUM REQUIRED LOCATIONS:
1. CONCEALED WALL SPACES
   A. VERTICALLY AT THE CEILING AND FLOOR LEVELS
   B. HORIZONTALLY AT 10 FT MAXIMUM INTERVALS
2. CONNECTIONS BETWEEN HORIZONTAL AND VERTICAL SPACES
3. CONCEALED SPACES AT THE TOP AND BOTTOM OF THE RUN OF STAIR STRINGERS
4. ANNULAR SPACE AROUND PENETRATING COMPONENTS IN CEILING AND FLOOR OPENINGS
5. CONCEALED SPACES OF EXTERIOR COMBUSTIBLE WALL COVERINGS AT MAXIMUM 20 FT INTERVALS IN EITHER DIRECTION AND MAXIMUM 100 SF BETWEEN FIREBLOCKING. (SEE IBC 718.2.6 FOR EXCEPTIONS)
6. CONCEALED SLEEPER SPACES AT MAXIMUM 100 SF

DRAFTSTOPPING PER IBC 718.3 & 718.4
DRAFTSTOPPING IS NOT REQUIRED IN BUILDINGS SPRINKLERED THROUGHOUT PER NFPA 13. REFER TO FIRE SPRINKLER PLANS FOR DRAFTSTOP REQUIREMENTS PER SPRINKLER LISTING.

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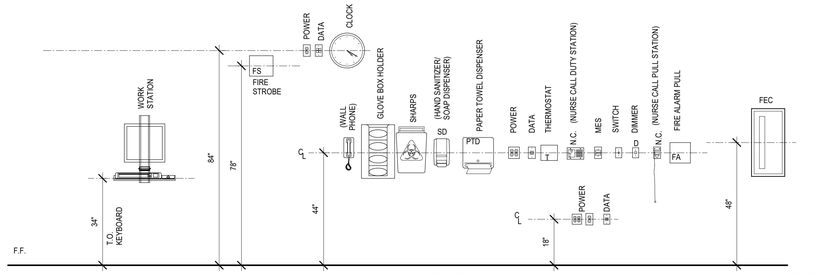
SHEET #
A02.01



TYPICAL MOUNTING HEIGHTS @ WALL CONDITION (U.N.O.)

NOTE: ALL WALL-MTD ACCESSORIES TO HAVE IN-WALL BACKING

TYPICAL MOUNTING HEIGHT FOR FIRE EXTINGUISHER (U.N.O.)

9 EQUIPMENT MOUNTING HIEGHTS
1/2" = 1'-0"

GENERAL NOTES

1. ACCESSIBILITY REQUIREMENTS ARE BASED ON THE FOLLOWING CODE EDITIONS:
   - 2009 ICC A117.1
   - 2015 IBC
   - 2015 WAC 51-50
2. SECTION REFERENCES, DENOTED AS (XXX) WITHIN EACH DETAIL ARE FROM 2009 ICC A117.1, UNLESS OTHERWISE NOTED.
3. ALL INFORMATION ON THIS SHEET ARE GENERIC REQUIREMENTS. REFER TO PROJECT FLOOR PLANS AND INTERIOR ELEVATIONS FOR ACTUAL DESIGN LAYOUT AND DIMENSIONS.
4. ALL DIMENSIONS SHOWN ARE CLEAR TO FINISH, UNLESS OTHERWISE NOTED.
5. INSTALL ALL COMPONENTS PER THE DIMENSIONS ON THIS SHEET, UNLESS OTHERWISE SHOWN ELSEWHERE.

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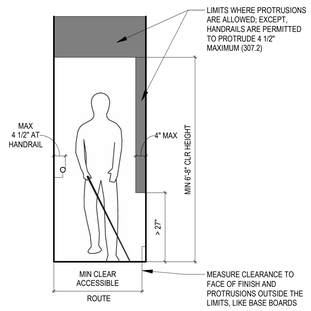
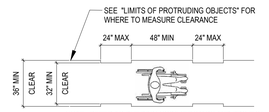
STATE OF WASHINGTON



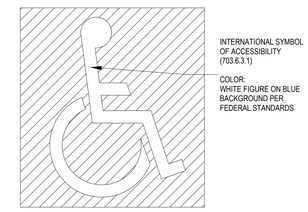
8 LIMITS OF PROTRUDING OBJECTS
1/2" = 1'-0"



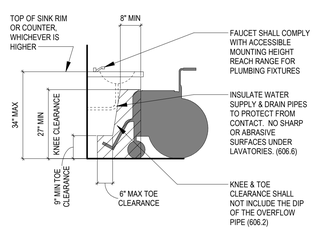
NOTE: REFER TO BUILDING CODE SUMMARY AND PROJECT PLANS FOR ACTUAL DESIGN LAYOUT AND DIMENSIONS.

NOTES:
1. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS:
   a. WALKING SURFACES (SEE BELOW)
   b. DOORS AND DOORWAYS (404)
   c. RAMPS (405)
   d. CURB RAMPS (406)
   e. ELEVATOR (407)
2. WALKING SURFACES (403):
   a. MAXIMUM RUNNING SLOPE SHALL BE 1:20.
   b. MAXIMUM CROSS SLOPE SHALL BE 1:48
   c. CHANGES IN LEVEL (303)
      - GREATER THAN 1/4", BUT NOT MORE THAN 1/2" SHALL BE BEVELED WITH MAX 1:2 SLOPE.
      - GREATER THAN 1/2" SHALL FOLLOW REQUIREMENTS FOR A RAMP PER 405.
3. SEE DETAIL 3 FOR LIMITS OF PROTRUDING OBJECTS.

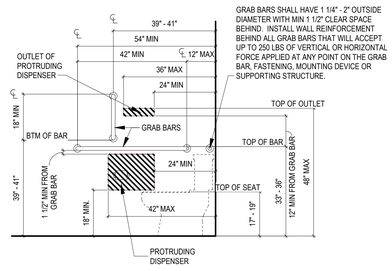
7 ACCESSIBLE ROUTE OF TRAVEL
1/4" = 1'-0"



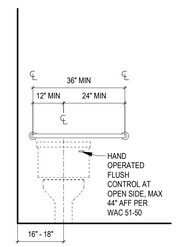
6 ACCESSIBILITY SYMBOL
NTS



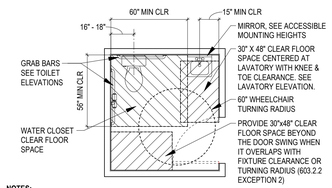
5 ACCESSIBLE LAVATORY ELEVATION
1/2" = 1'-0"



4 ACCESSIBLE TOILET SIDE ELEVATION
1/2" = 1'-0"



3 ACCESSIBLE TOILET FRONT ELEVATION
1/2" = 1'-0"



NOTES:
1. THIS PLAN IS PROVIDED TO SHOW MINIMUM REQUIRED ACCESSIBILITY CLEARANCES. REFER TO PROJECT FLOOR PLANS FOR ACTUAL LAYOUT.
2. CLEARANCE AROUND WATER CLOSET IS PERMITTED TO OVERLAP WITH THE WATER CLOSET, GRAB BARS, DISPENSERS, RECEPTACLES, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AT OTHER FIXTURES AND THE TURNING RADIUS. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WATER CLOSET CLEARANCE. (604.3.3)
3. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED CONTROLS SHALL BE MOUNTED ON THE OPEN SIDE. SEE ELEVATIONS. (604.6)
4. COAT HOOKS PROVIDED WITHIN TOILET ROOMS SHALL BE LOCATED PER THE ACCESSIBLE MOUNTING HEIGHT REACH RANGES. (603.4)
5. SHELVES PROVIDED WITHIN TOILET ROOMS SHALL BE 40" - 48" AFF (603.4)
6. DIAPER CHANGING TABLES SHALL BE LOCATED PER THE ACCESSIBLE MOUNTING HEIGHT REACH RANGES, WITH WORK SURFACE AT 34" MAX AFF. (603.5).

2 ACCESSIBLE TOILET PLAN
1/4" = 1'-0"

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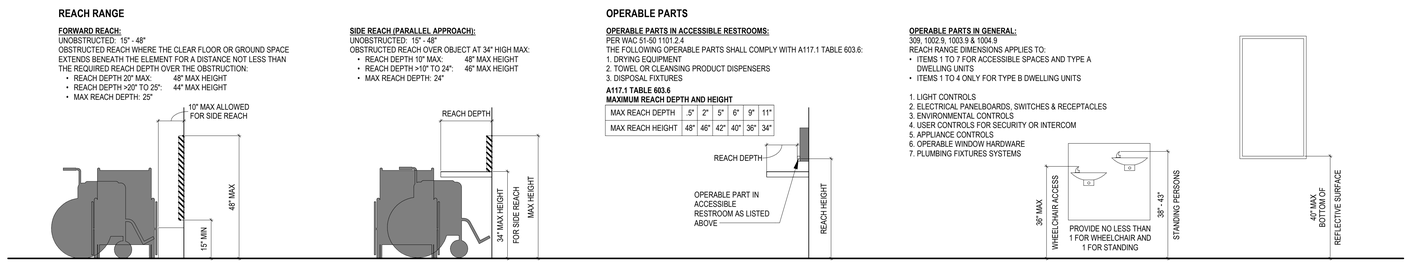

1 ACCESSIBLE MOUNTING HEIGHTS
1/2" = 1'-0"

PROJECT #	2018136.01
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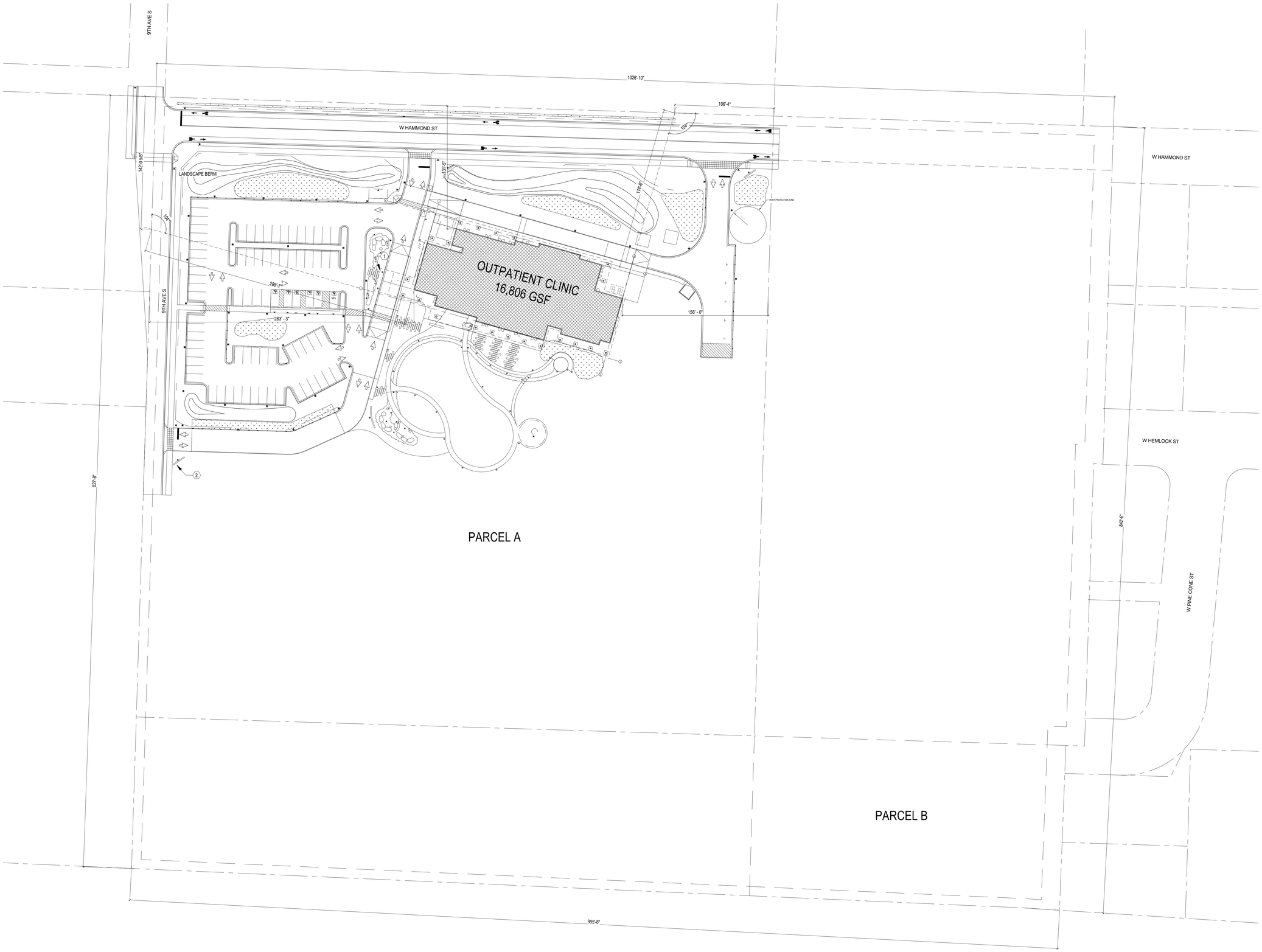
ISSUE DATE	JAN. 10, 2020

REVISION SCHEDULE

ACCESSIBILITY & MOUNTING DETAILS

SHEET #
A03.01



N 1 ARCHITECTURAL PROPERTY PLAN
1" = 40'-0"

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REVISION SCHEDULE

ARCHITECTURAL PROPERTY PLAN

SHEET #
A10.01

NOTES & LEGEND - SITE PLAN

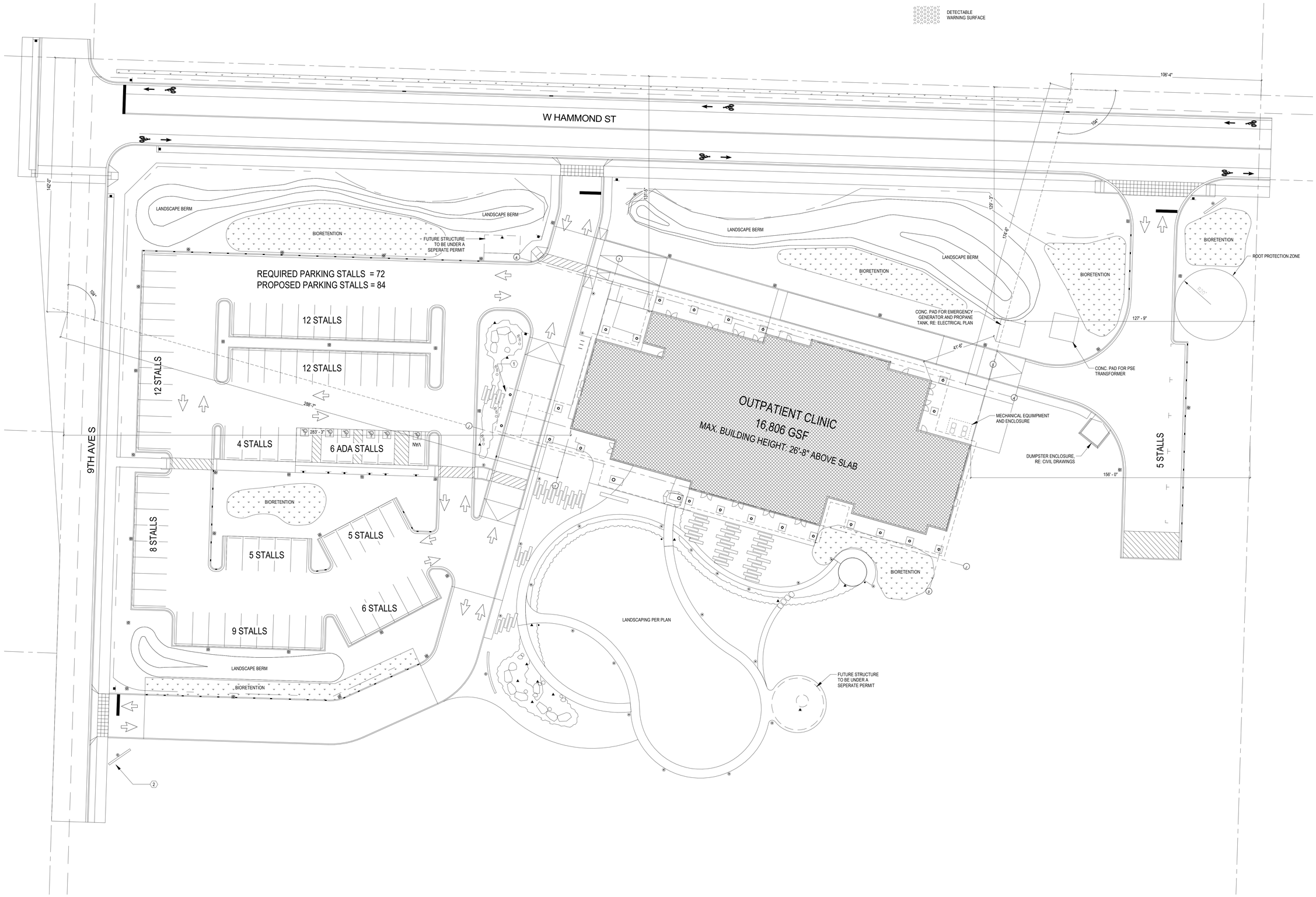
1. REFERENCE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
2. GSF (GROSS SQUARE FOOT) NUMBER IS BASED ON SEQUIM MUNICIPAL CODE (SMC) SECTION 18.08 "FLOOR AREA, GROSS" DEFINITION. ACCESSORY AREAS NOT INTENDED FOR HUMAN OCCUPANCY SUCH AS MED GAS, FIRE SPRINKLER, ELECTRICAL, AND MECHANICAL ROOMS ARE EXCLUDED FROM THE GSF.
3. REQUIRED NUMBER OF PARKING STALL [PER SMC 18.48.050] = 72 STALLS
   - *16,806 GSF X 85% = 14,285 NSF*
   - *14,285 NSF / 200 NSF* = 71.4 = 72 STALLS (* FOR MEDICAL OFFICE: 1 PER 200 NSF)*

   PROPOSED NUMBER OF PARKING STALLS = 84 STALLS

LANDSCAPING
DRIVEWAY/ SIDEWALK, CONTROL JOINTS PER PLAN
PAVERS
DETECTABLE WARNING SURFACE
X——X——X FENCING
PROPERTY LINE
PROPERTY SETBACK
BUILDING OUTLINE

KEY NOTES - SITE PLAN

#	NOTE DESCRIPTION
1	CANOPY OVER MAIN ENTRY
2	NEW MONUMENT SIGN
1	CANOPY OVER MAIN ENTRY
2	NEW MONUMENT SIGN
1	CANOPY OVER MAIN ENTRY
2	NEW MONUMENT SIGN



1 ARCHITECTURAL SITE PLAN
1" = 20'-0"

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ARCHITECTURAL SITE PLAN

SHEET #
A10.02

KEY NOTES - FLOOR PLAN

#	NOTE DESCRIPTION

NOTES & LEGEND - FLOOR PLAN

1. DIMENSIONS ARE TO ROUGH FRAMING OR TO FACE OF EXISTING FINISHES, TYP UNO.
2. DIMENSIONS INDICATED AS "MIN" OR "CLR" ARE FROM NEAREST FINISH SURFACE, INCLUDING TRIM.
3. ROUGH DOOR OPENINGS ARE LOCATED 4" FROM NEAREST INTERSECTING WALL FRAMING, TYP UNO.
4. ANY AND ALL POST AND BEAM SIZES SHALL BE CROSS CHECKED WITH STRUCTURAL DRAWINGS, NOTIFY ARCHITECT OF ANY DISCREPANCIES, TYP

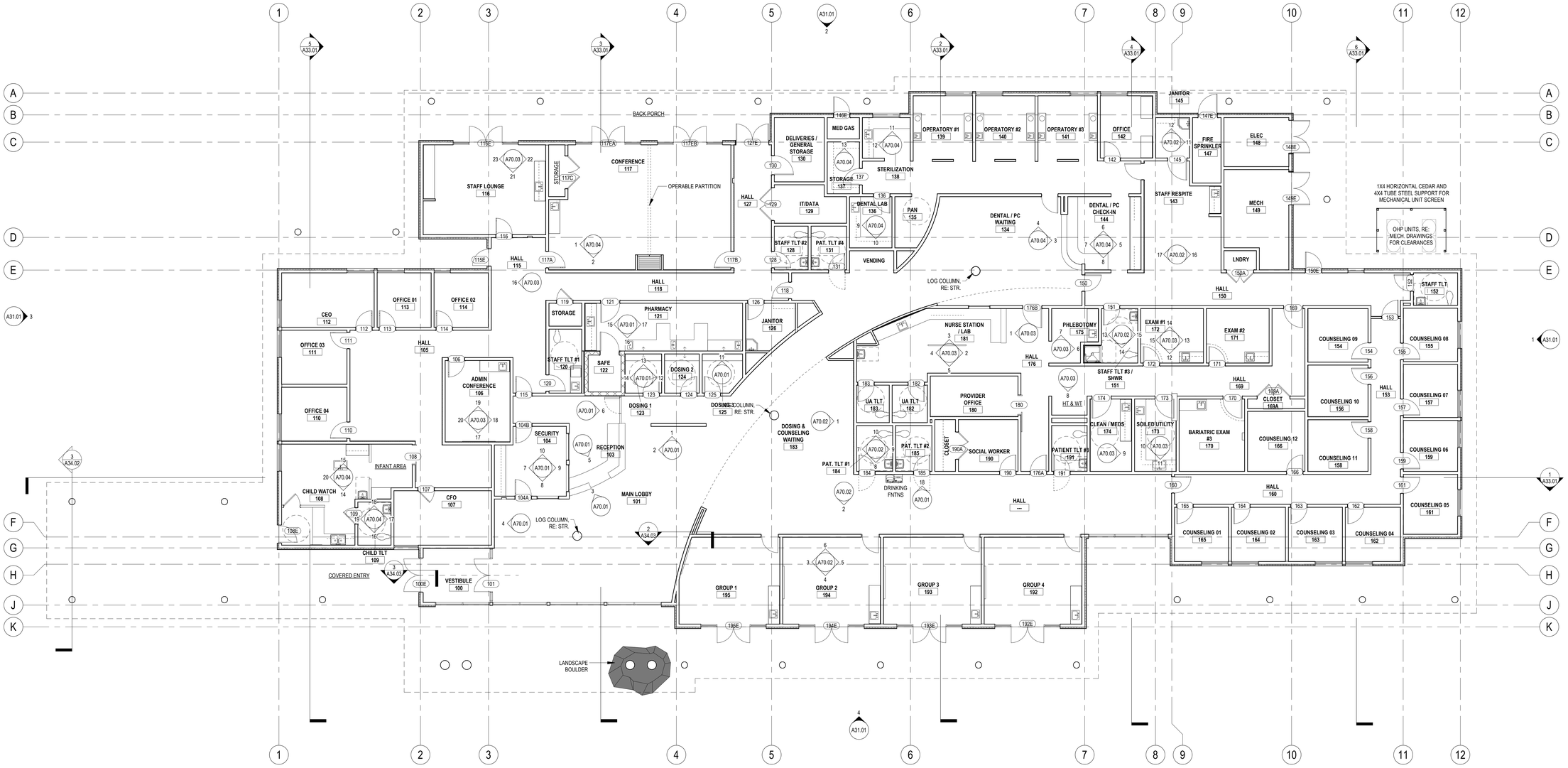
ANNOTATION TAG

ROOM NAME ### — ROOM NUMBER — TYPICAL ROOM TAG

CLEARANCES

5'-0" CIRCULAR TURNING AREA

30" X 48" CLEAR FLOOR SPACE



1 FLOOR PLAN
1/8" = 1'-0"

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FLOOR PLAN

SHEET #
A21.01

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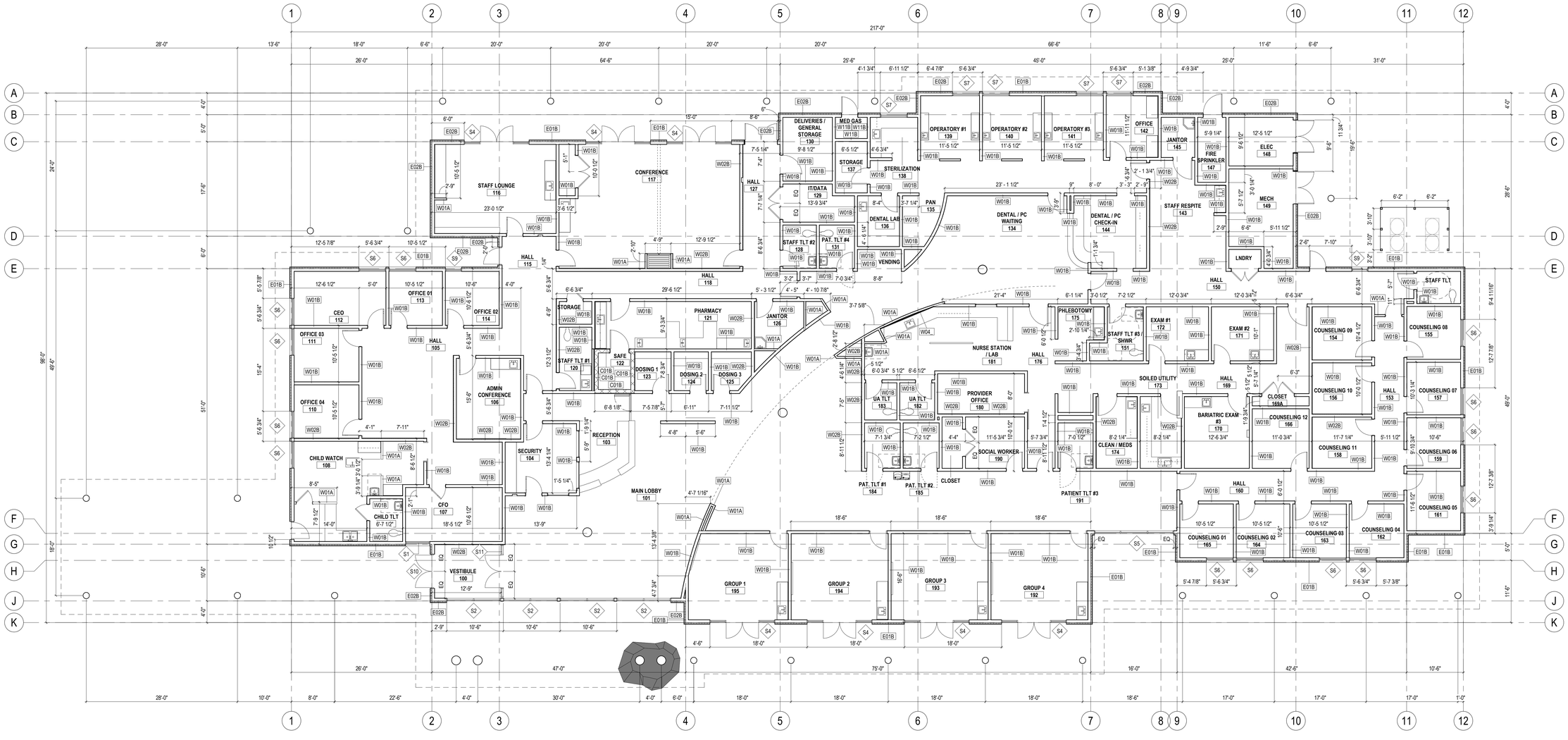

1 FLOOR PLAN - DIMENSIONS
1/8" = 1'-0"

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DIMENSION PLAN

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A21.02

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NOTES & LEGEND - ROOF PLAN

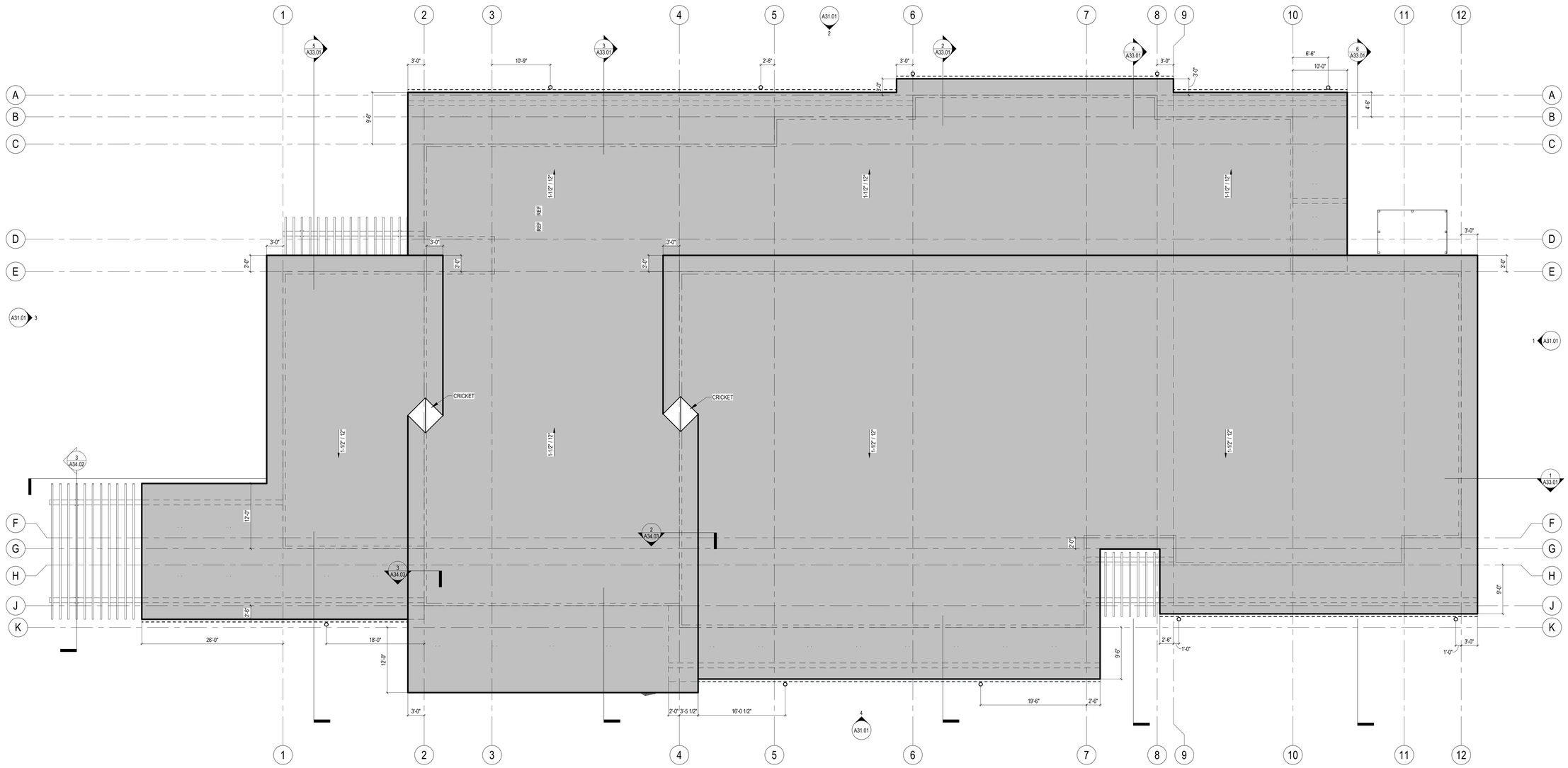
1. VERIFY EQUIPMENT CLEARANCES WITH MANUFACTURER REQUIREMENTS PRIOR TO INSTALL.
2. FIELD CONFIRM DIMENSIONS AND REPORT DISCREPANCIES, IF ANY, TO ARCHITECT PRIOR TO CONSTRUCTION.
3. DIMENSIONS ARE FROM GRIDLINE, CENTERLINE OF ELEMENTS, OR FACE OF STRUCTURAL FRAMING, UNO.
4. ALL METAL ROOF FASTENERS TO ALIGN IN A STRAIGHT LINE.
5. VERIFY ALL GUTTER & DOWNSPOUT LOCATIONS AND TYPES WITH ARCHITECT PRIOR TO INSTALLATION.
6. ALL ROOF PENETRATION LOCATIONS INCLUDING, BUT NOT LIMITED TO; FLUES, VENTILATION PIPES AND STACKS SHALL BE SUMBITTED TO ARCHITECT AND ROOFING MANUFACTURE.
7. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ROOF EQUIPMENT AND MISCELLANEOUS PENETRATIONS, ETC. PROVIDE WEATHER TIGHT SEAL AND FLASHING.
8. NOT ALL ROOF PENETRATIONS MAY BE SHOWN ON ROOF PLAN.
9. METAL GUTTERS AND DOWNSPOUTS TO BE PAINTED TO MATCH FASCIA METAL.
10. ALL DOWNSPOUTS TO BE HARD PIPED.

1-1/2" / 12" — ROOF SLOPE PER PLAN

BUILDING OUTLINE BELOW

METAL STANDING SEAM ROOFING, 2" MECHANICAL RIB LOCK WITH BUTYL. 16" RIB SPACING

METAL GUTTER & DOWNSPOUT COLOR AND STYLE T.B.D.



1 ROOF PLAN
1/8" = 1'-0"

REGISTERED ARCHITECT
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REVISION SCHEDULE

ROOF PLAN

SHEET #
A21.11

KEY NOTES - REFLECTED CEILING PLAN

#	NOTE DESCRIPTION

NOTES & LEGEND - REFLECTED CEILING PLAN

1. ARCHITECTURAL RCP PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MEP DRAWINGS FOR DETAILED SCOPE OF SYSTEMS.
2. CEILING FIXTURES ARE CENTERED IN CEILING TILE OR CENTERED IN ROOM, UNO.
3. DIMENSIONS IN CEILING PLANS ARE TO FACE OF FINISH, UNO.
4. GRAPHIC REPRESENTATION OF LIGHTING TYPES MAY BE NOT TO SCALE.

ANNOTATION TAG

ROOM NAME — ROOM TAG W/ TYPICAL CEILING FINISH
— FIN-1 — CEILING FINISH

CEILING TYPE — CEILING TAG
HEIGHT

LIGHTING

- RECESSED DOWNLIGHT, 6"
- SURF-MTD DOWNLIGHT, 8"
- RECESSED WALL WASHER
- RECESSED TROFFER, 2X2
- PENDANT LINEAR, DIRECT/INDIRECT
- DECORATIVE PENDANT
- SURFACE MOUNT LINEAR
- SURFACE MOUNT ROUND
- SURFACE MOUNT STRIP
- WALL SCONCE
- UNDER CABINET
- WALL-MTD SCONCE, UPLIGHT

LIGHTING, CONT'D

- CLG-MTD DENTAL EXAM LIGHT

CEILING

- ACT 2X2
- ACT - WOOD SLATS
- ACT 6"X60"
- GWB
- OPEN TO STRUCTURE

MECHANICAL

- SEE MECHANICAL, SIZES MAY VARY

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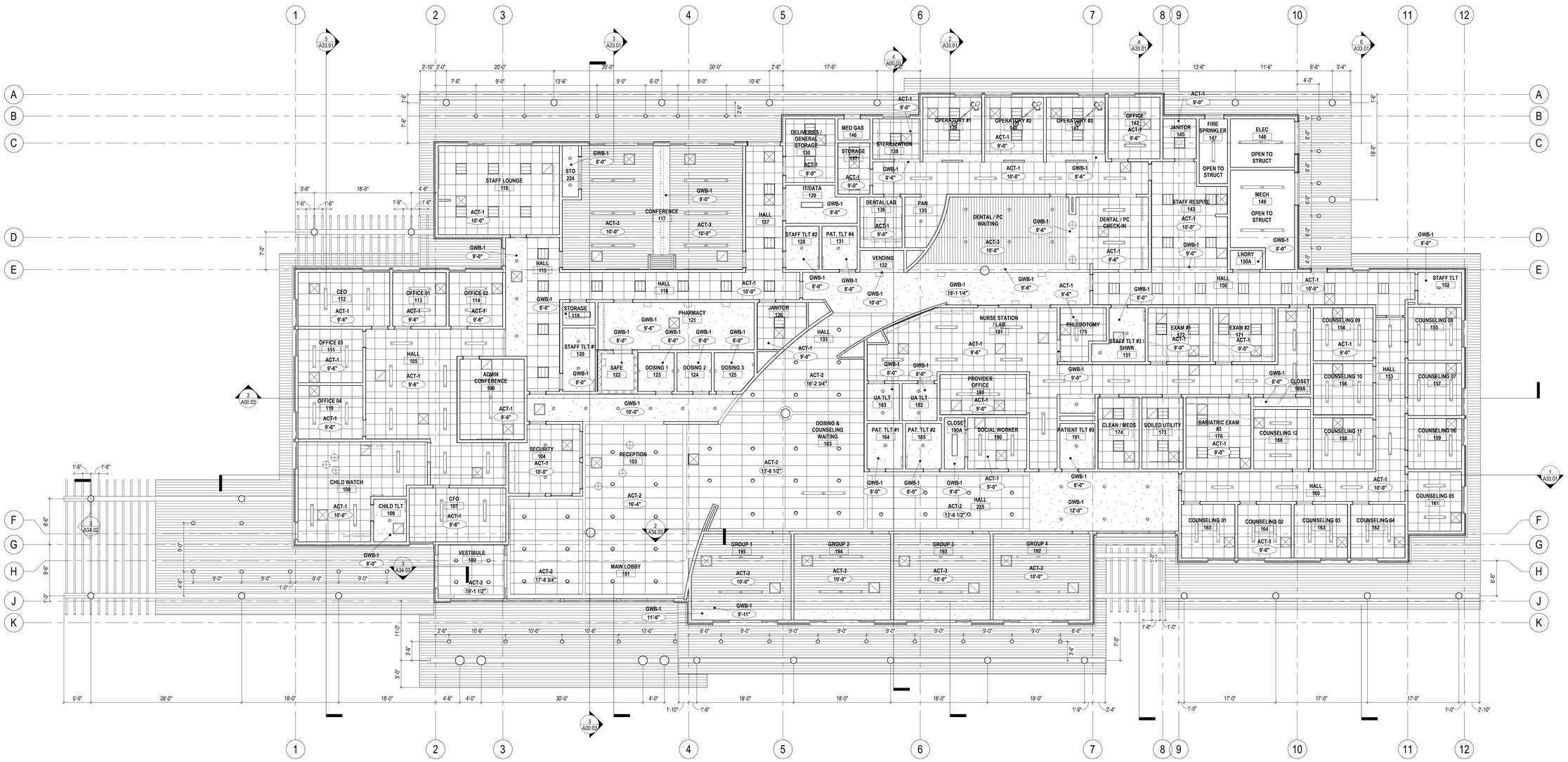

1 REFLECTED CEILING PLAN
1/8" = 1'-0"

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PROJECT # 2018136.01
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REFLECTED CEILING PLAN

SHEET #
A22.01

EXTERIOR MATERIAL LEGEND

WD-1	WOOD: 1X4 BUTT JOINT HORIZONTAL CEDAR SIDING, COLOR: STAIN NATURAL BROWN	FCP-1	FIBER CEMENT PANEL: SWISS PEARL COLOR: LIGHT GRAY
WD-2	WOOD: 1X12 BUTT JOINT HORIZONTAL CEDAR SIDING, COLOR: STAIN NATURAL BROWN	FCP-2	FIBER CEMENT PANEL: SWISS PEARL COLOR: DARK RED
WD-3	WOOD: GLULAM TIMBER BEAM, RE: STR. FOR SIZING COLOR: STAIN LIGHT BROWN	MTL-1	METAL: METAL PANEL, TRIM, OR FLASHING COLOR: DARK GRAY OR BLACK
WD-4	WOOD: PEELED LOG COLUMN, RE: STR. FOR SIZING COLOR: N.A. - LEAVE NATURAL	RF-1	ROOFING: PRE-FINISHED METAL STANDING SEAM 1.5" RIB MECH LOCK, 16" RIB SPACING COLOR: GRAY

METAL GUTTER & DOWNSPOUT PAINTED TO MATCH FASCIA, RE: ROOF PLAN FOR LOCATION

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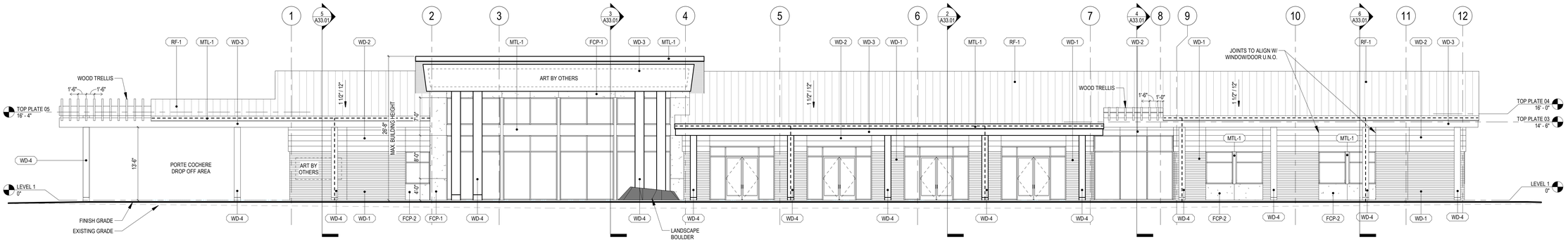
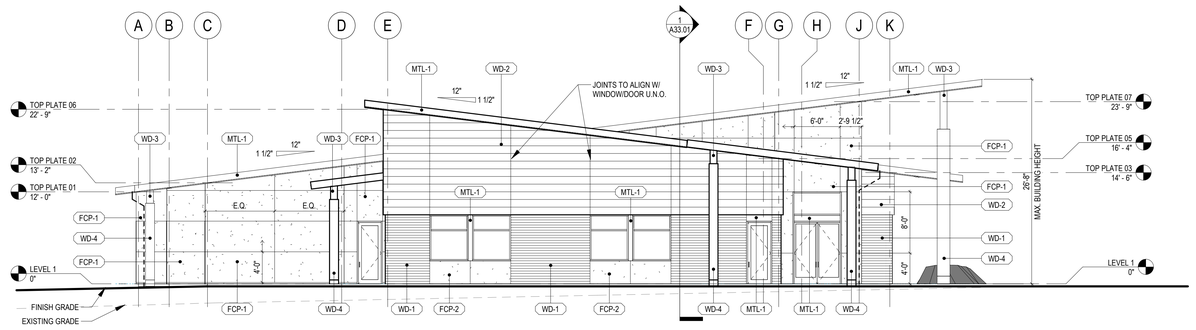
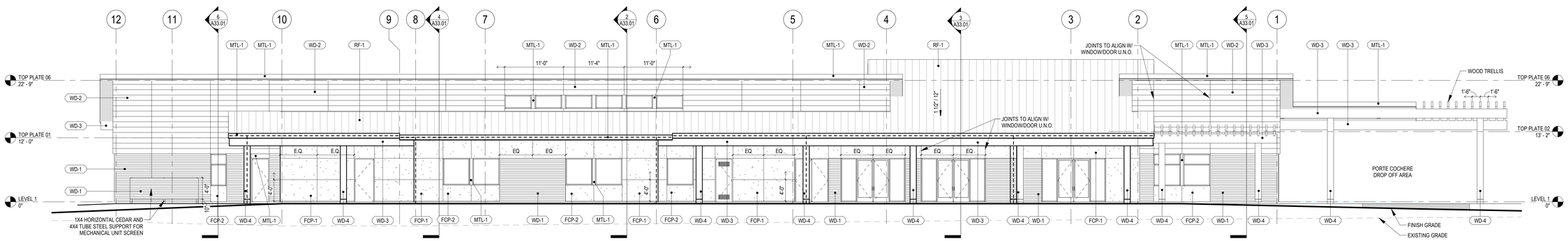


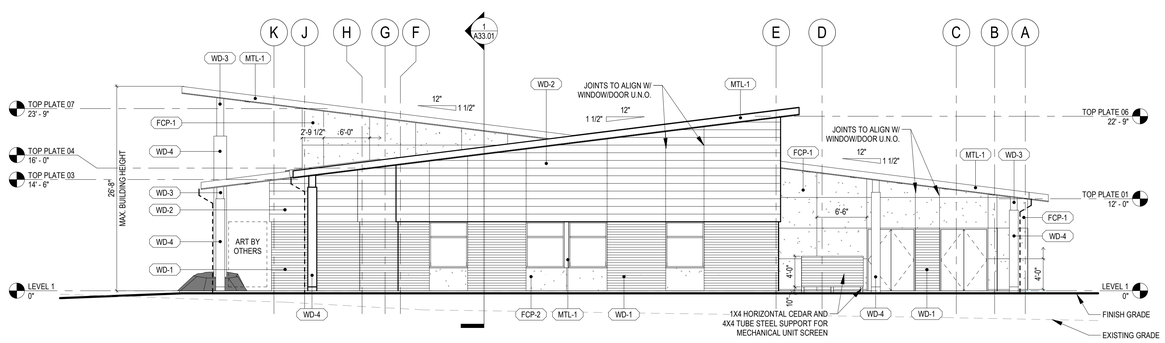
4 EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"



3 EXTERIOR ELEVATION - WEST
1/8" = 1'-0"



2 EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"



1 EXTERIOR ELEVATION - EAST
1/8" = 1'-0"

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PROJECT #	2018136.01
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REVISION SCHEDULE

EXTERIOR ELEVATIONS

SHEET #
A31.01

NOTES & LEGEND - SECTIONS

1. REFERENCE <ASSEMBLIES SERIES SHEETS> FOR ASSEMBLY TYPES AND CONSTRUCTION.

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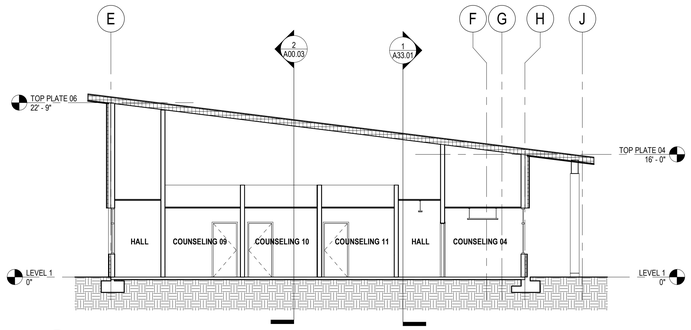
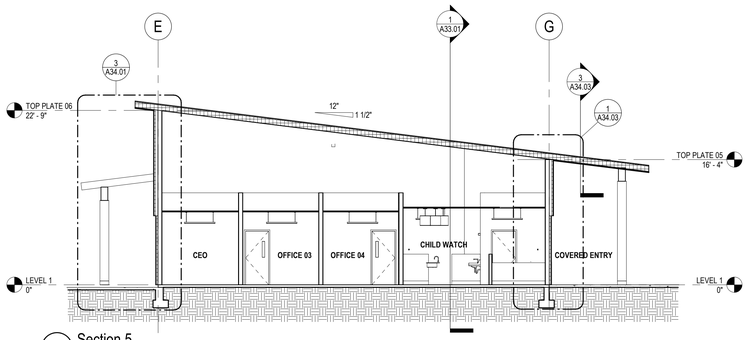
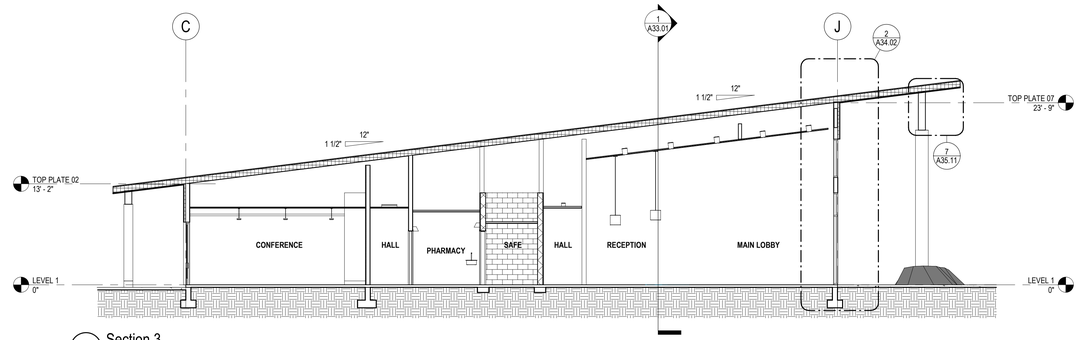


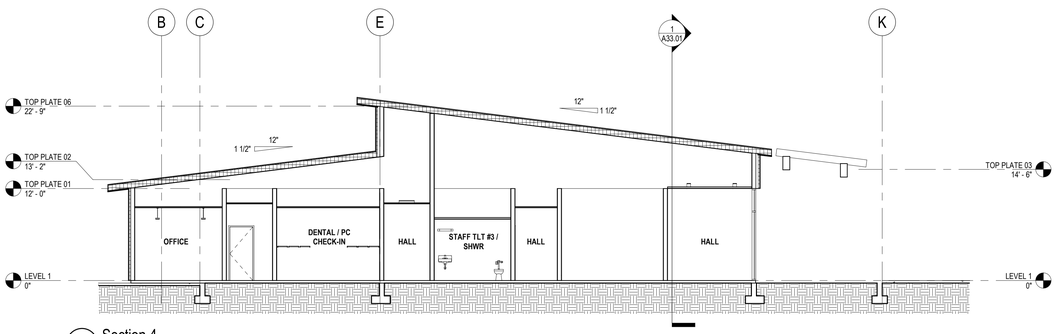
6 Section 6
1/8" = 1'-0"



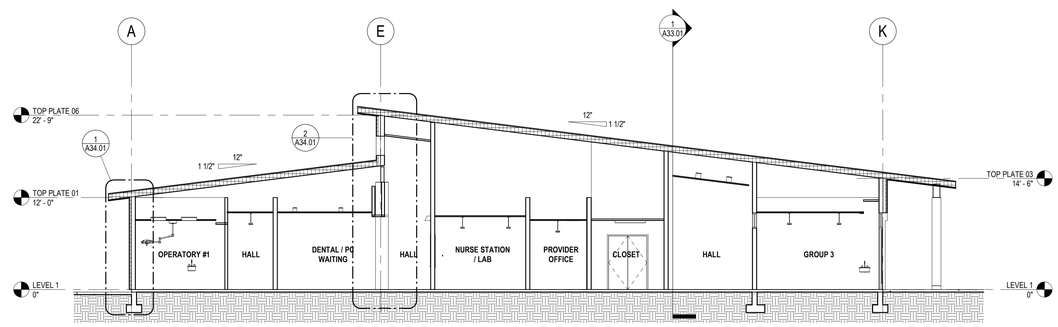
5 Section 5
1/8" = 1'-0"



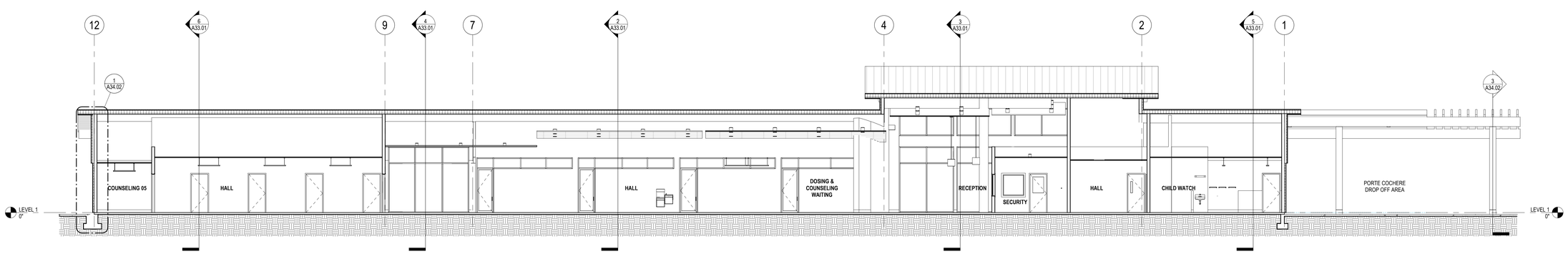
3 Section 3
1/8" = 1'-0"



4 Section 4
1/8" = 1'-0"



2 Section 2
1/8" = 1'-0"



1 Section 1
1/8" = 1'-0"

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REVISION SCHEDULE

BUILDING SECTIONS

SHEET #
A33.01

NOTES & LEGEND - SECTIONS

1. REFERENCE <ASSEMBLIES SERIES SHEETS> FOR ASSEMBLY TYPES AND CONSTRUCTION.

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ARCHITECTURE INTERIORS PLANNING VIZLAB
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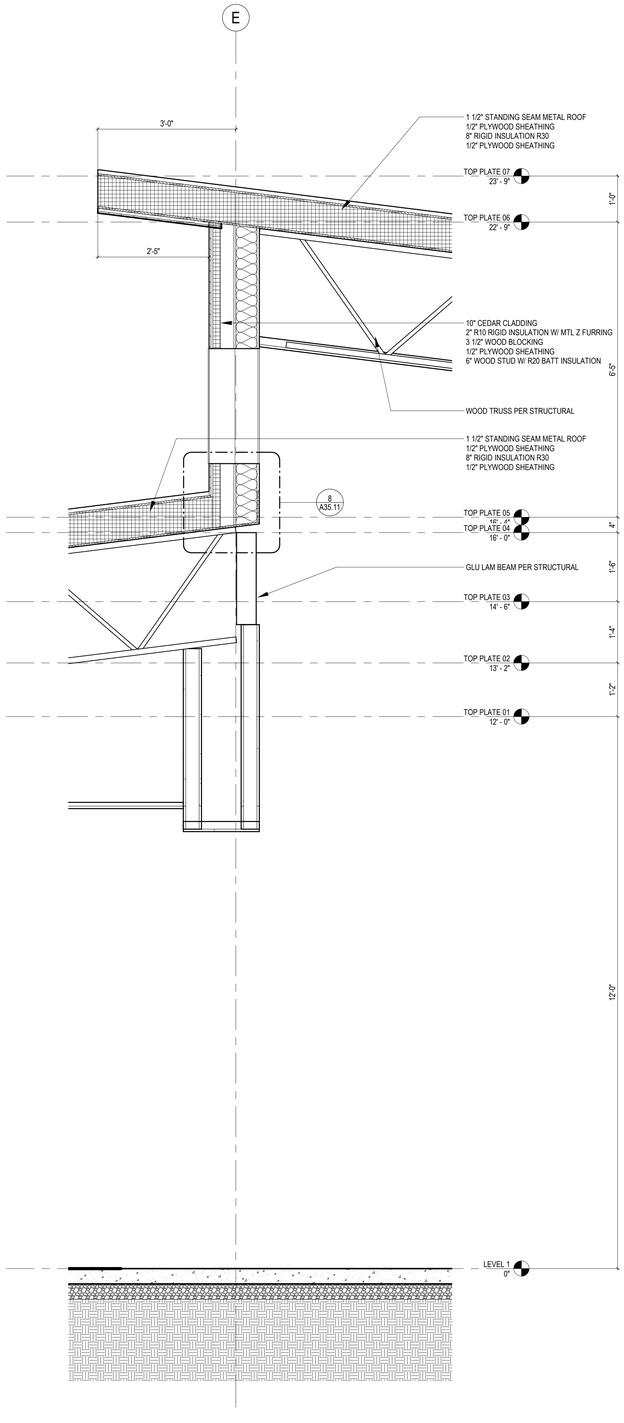
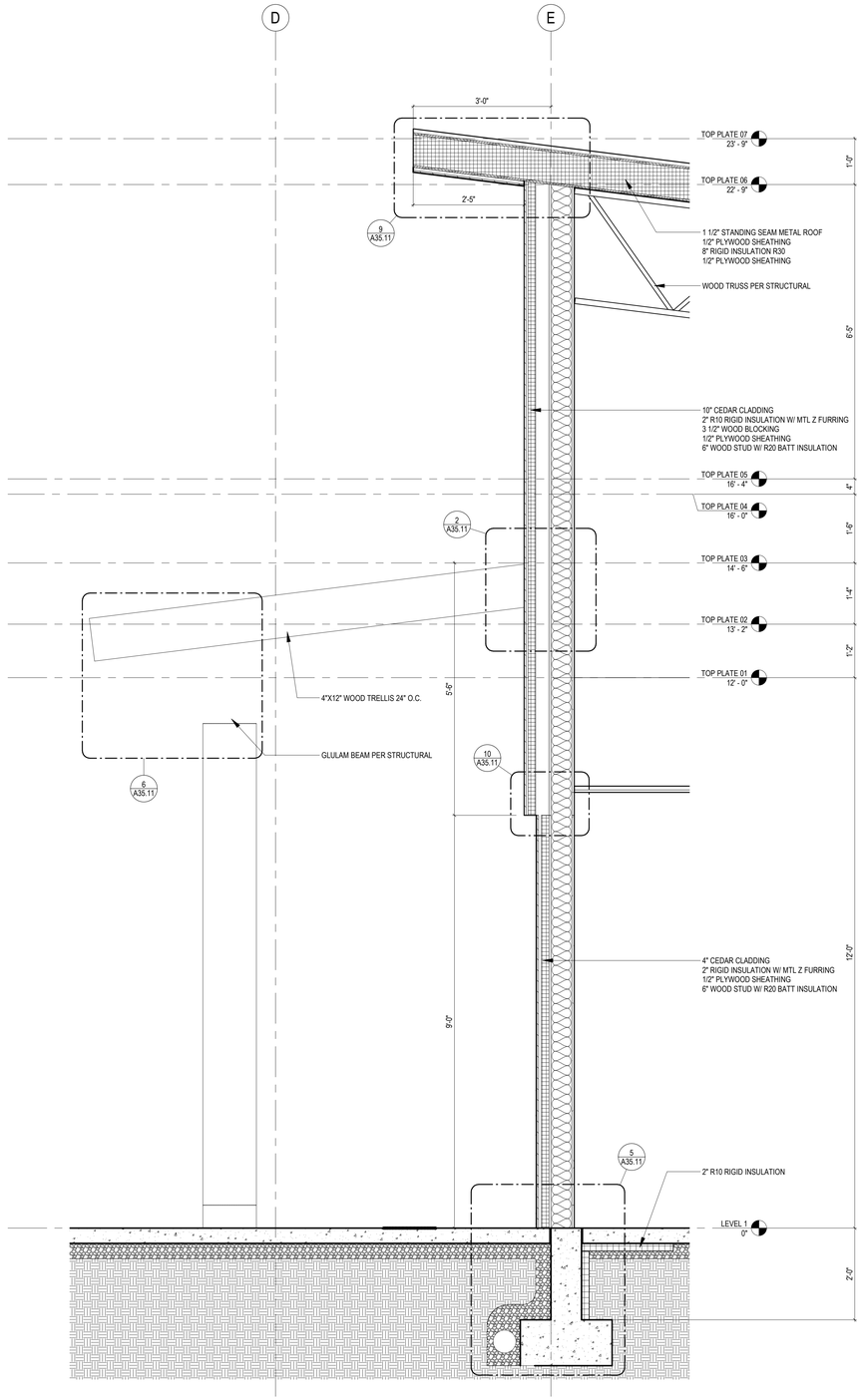
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

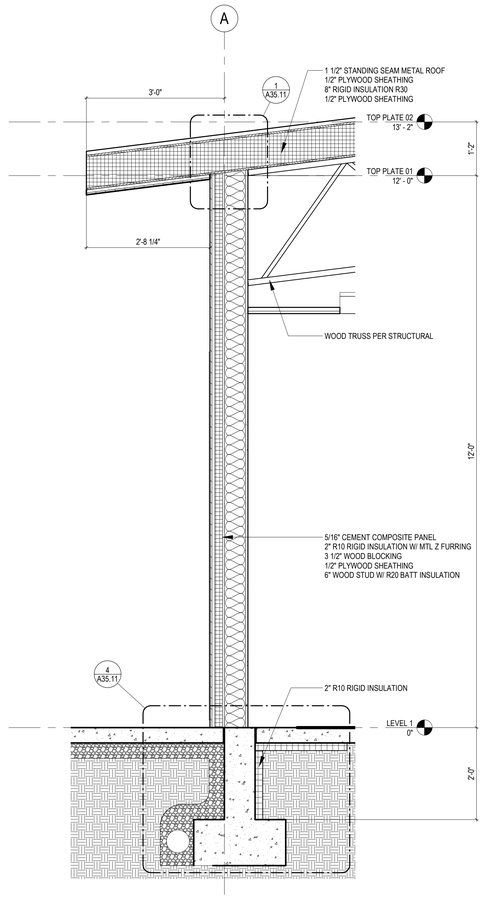
6324 REGISTERED ARCHITECT
GREGORY A. BELDING
STATE OF WASHINGTON



2 SECTION THRU CLEARSTORY WINDOW
3/4" = 1'-0"



3 SECTION AT TYP WOOD CLADDING W/ TRELLIS
3/4" = 1'-0"



1 SECTION AT CEMENT COMPOSITE PANEL
3/4" = 1'-0"

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PROJECT #	2018136.01
PERMIT SET	
ISSUE DATE	JAN. 10, 2020

REVISION SCHEDULE

WALL SECTIONS

SHEET #
A34.01

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
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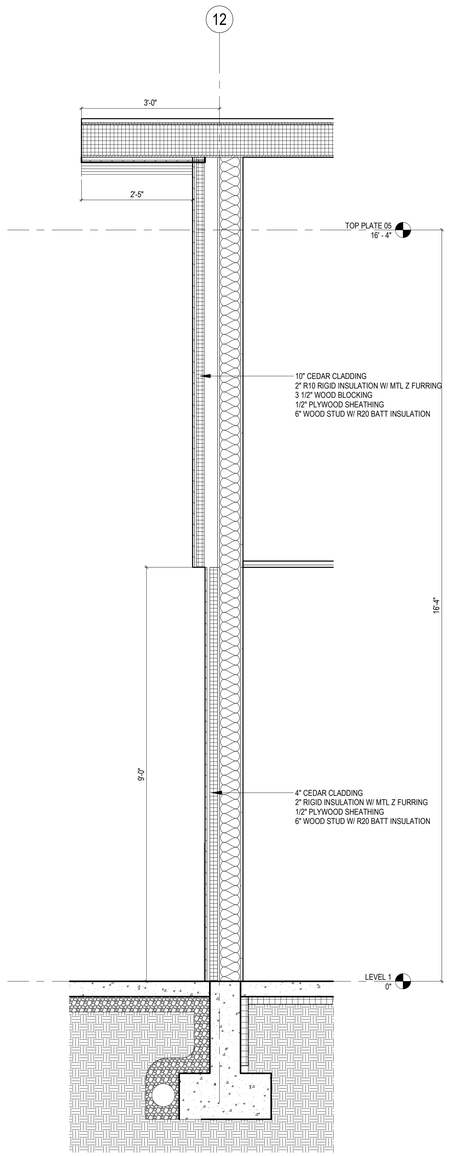
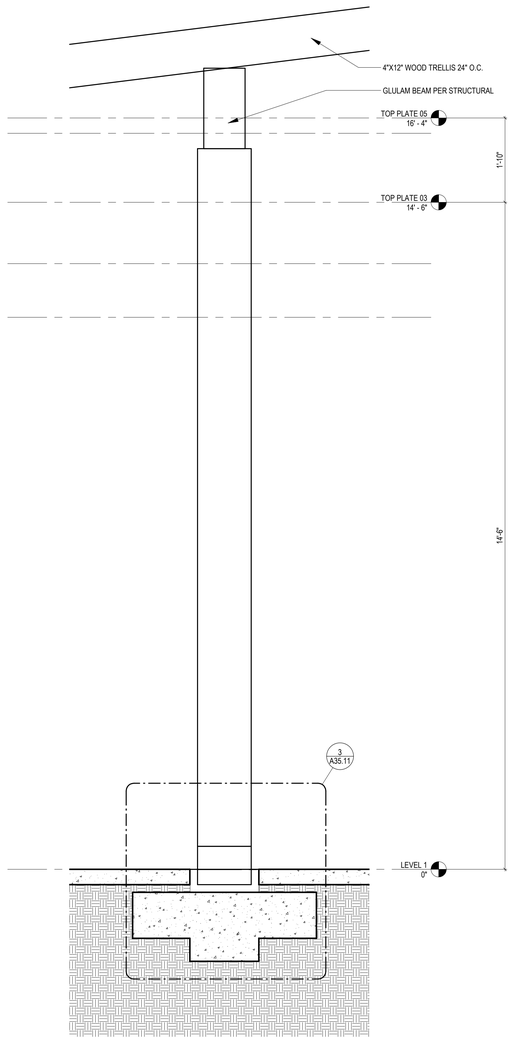
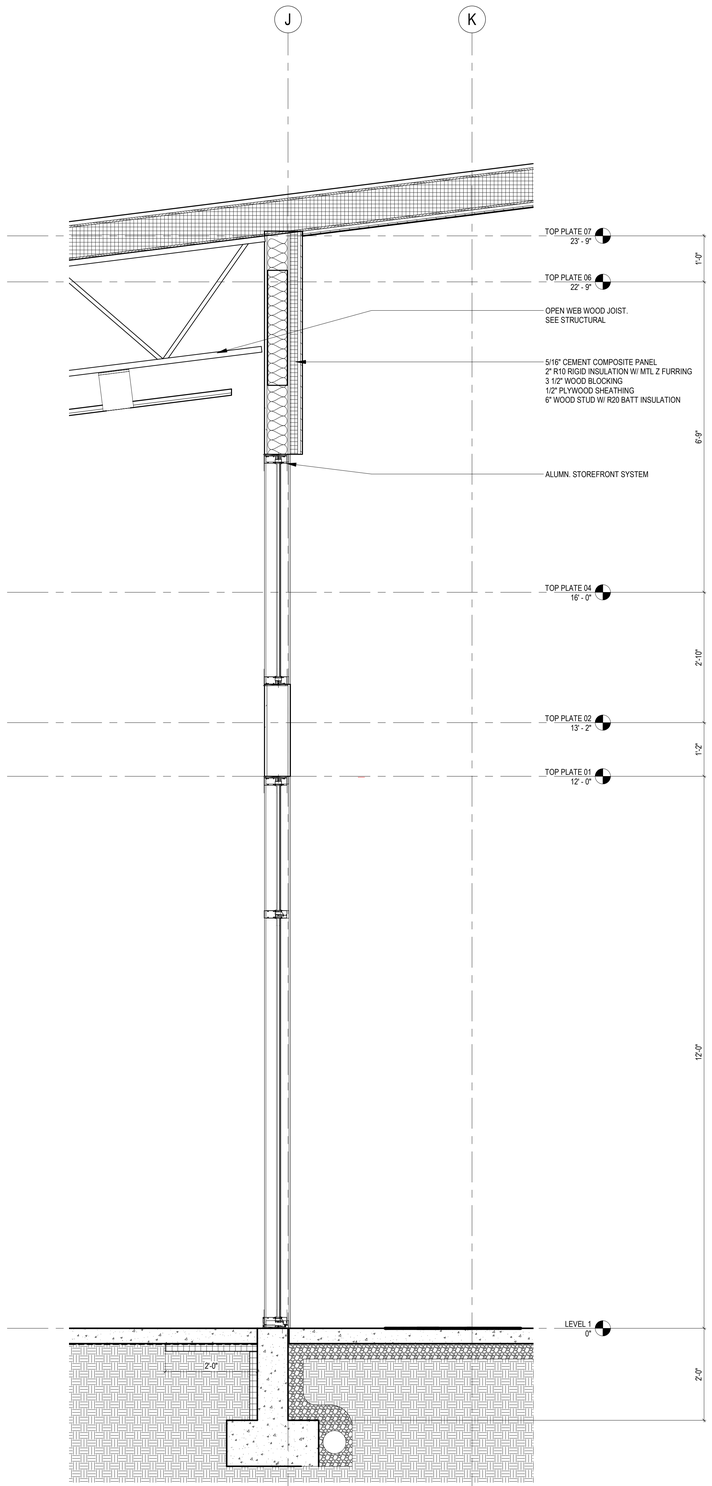


1 SECTION AT TYP OVERHANG
3/4" = 1'-0"



3 SECTION AT COVERED ENTRY
3/4" = 1'-0"



2 SECTION THRU LOBBY STOREFRONT
3/4" = 1'-0"

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PROJECT #	2018136.01
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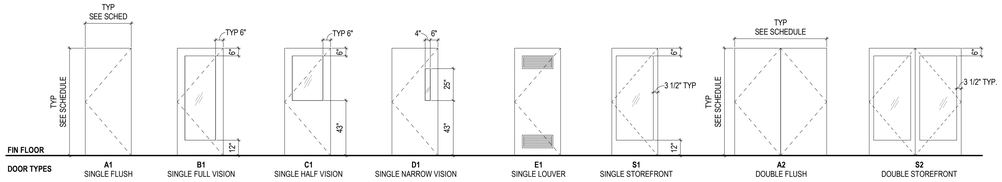
REVISION SCHEDULE

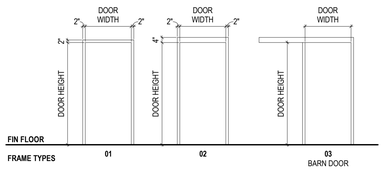
WALL SECTIONS

SHEET #
A34.02

DOOR & FRAME TYPES

1/4" = 1'-0"





DOOR HARDWARE GROUP

HDW-01
(Storefront automatic double swing door w/ exit device)

DOORS: 100E

(2) SET PIVOT SET*
(2) EA EXIT DEVICE
(2) EA DOOR PULL
(1) EA AUTO DOOR OPERATOR
(1) EA POWER SUPPLY
EA POWER TRANSFER
(2) SET WEATHER SEAL
(2) EA DOOR SWEEP
(1) EA ADA THRESHOLD
(1) EA CYLINDER

NOTES:
*1. * = HARDWARE PROVIDED BY STOREFRONT MANUFACTURER.*
2. CARD READER ACCESS TIED TO FIRE ALARM SYSTEM.

HDW-02
(Storefront automatic double swing door w/ exit device)

DOORS: 101

(2) SET PIVOT SET*
(2) EA EXIT DEVICE
(2) EA DOOR PULL
(1) EA AUTO DOOR OPERATOR
(1) EA POWER SUPPLY
EA POWER TRANSFER
(2) SET WEATHER SEAL
(2) EA DOOR SWEEP

NOTES:
*1. * = HARDWARE PROVIDED BY STOREFRONT MANUFACTURER.*

HDW-03
(Single swing door w/ card reader)

DOORS: 104B 108 115 118 134 150 153 160 169 173 176A 176B

(2) EA HINGE
(1) EA ELECTRIC HINGE
(1) EA ELEC. STOREROOM LOCKSET
(1) EA CLOSER
(1) SET GASKETING
(1) EA WALL STOP

NOTE:
1. CARD READER ACCESS TIED TO FIRE ALARM SYSTEM.

HDW-04
(Swing sound proof door.)

DOORS: 106

(3) EA HINGE
(1) EA PASSAGE SET
(1) EA AUTODOOR BOTTOM
(1) EA WALL STOP
(1) SET GASKETING

HDW-05
(Swing swing door at wall center.)

DOORS: 107

(3) EA HINGE
(1) EA OFFICE SET
(1) EA OVERHEAD STOP
(1) SET GASKETING

HDW-06
(Swing swing door near side wall.)

DOORS: 110 111 112 113 114 142 154 155 156 157 158 159 161 162 163 164 165 166 190

(3) EA HINGE
(1) EA OFFICE SET
(1) EA WALL STOP
(1) SET GASKETING

HDW-07
(Storefront swing door)

DOORS: 108E

(1) SET PIVOT SET*
(1) EA ENTRANCE SET
(1) EA CLOSER
(1) SET WEATHER SEAL
(1) EA DOOR SWEEP
(1) EA ADA THRESHOLD
(1) EA CYLINDER

NOTES:
*1. * = HARDWARE PROVIDED BY STOREFRONT MANUFACTURER.*

HDW-08
(Out-swing door at Toilet)

DOORS: 109

(3) EA HINGE
(1) EA PRIVACY LOCKSET WITH OCCUPANCY INDICATOR
(1) EA OVERHEAD STOP
(1) SET GASKETING
(1) EA KICK PLATE

HDW-09
(Staff Toilet)

DOORS: 120 128 151 152

(3) EA HINGE
(1) EA PRIVACY LOCKSET WITH OCCUPANCY INDICATOR
(1) EA WALL STOP
(1) SET GASKETING
(1) EA KICK PLATE

HDW-10
(Storefront swing door w/ card reader access)

DOORS: 115E

(1) SET PIVOT SET*
(1) EA ENTRANCE SET
(1) EA CLOSER
(1) SET WEATHER SEAL
(2) EA DOOR SWEEP
(1) EA ADA THRESHOLD
(1) EA CYLINDER

NOTES:
*1. * = HARDWARE PROVIDED BY STOREFRONT MANUFACTURER.*
2. CARD READER ACCESS TIED TO FIRE ALARM SYSTEM.

HDW-11
(Swing door at wall center with closer.)

DOORS: 116

(3) EA HINGE
(1) EA PASSAGE SET
(1) EA CLOSER
(1) EA OVERHEAD STOP
(1) SET GASKETING

HDW-12
(Storefront double swing door)

DOORS: 116E 117EA 117EB 192E 193E 194E 195E

(2) SET PIVOT SET*
(1) EA ENTRANCE SET
(2) EA CLOSERS
(2) EA DOOR PULLS*
(1) EA MANUAL FLUSH BOLTS (INACTIVE LEAF)
(1) EA COORDINATOR
(2) SET WEATHER SEAL
(1) EA DOOR SWEEP
(1) EA CYLINDER

NOTES:
*1. * = HARDWARE PROVIDED BY STOREFRONT MANUFACTURER.*

HDW-13
(Swing door near side wall with closer.)

DOORS: 117A 117B 123 124 125 192 193 194 195

(3) EA HINGE
(1) EA PASSAGE SET
(1) EA CLOSER
(1) EA WALL STOP
(1) SET GASKETING

HDW-14
(Double swing door w/ lock at wall center at Storage)

DOORS: 117C 150A 169A 190A

(6) EA HINGE
(1) EA STOREROOM LOCKSET
(1) EA MANUAL FLASH BOLT
(1) EA DUST PROOF STRIKE
(2) EA OVERHEAD STOP

HDW-15
(Single swing door with storeroom lock)

DOORS: 119 126 130 145 174

(3) EA HINGE
(1) EA STOREROOM LOCKSET
(1) EA CLOSER
(1) EA WALL STOP
(1) SET GASKETING
(1) EA KICK PLATE

HDW-16
(Single swing door at wall center w/ card reader)

DOORS: 121 122

(2) EA HINGE
(1) EA ELECTRIC HINGE
(1) EA ELEC. STOREROOM LOCKSET
(1) EA CLOSER
(1) SET GASKETING
(1) EA OVERHEAD STOP

NOTE:
1. CARD READER TIED TO FIRE ALARM SYSTEM.

HDW-17
(Double swing door at Data/IT w/ card reader)

DOORS: 129

(5) EA HINGE
(1) EA ELECTRIC HINGE
(1) EA ELEC. STOREROOM LOCKSET
(2) EA CLOSER / OVERHEAD STOP
(1) EA COORDINATOR
(1) EA MANUAL FLASH BOLT
(1) EA DUST PROOF STRIKE
(1) SET GASKETING

NOTE:
1. CARD READER TIED TO FIRE ALARM SYSTEM.

HDW-18
(Exterior Service double door w/ exit device)

DOORS: 127E

(6) EA HINGE
(2) EA EXIT DEVICE
(2) EA DOOR PULL
(2) EA HOLD OPEN CLOSER
(1) SET GASKETING
(1) EA WALL STOP
(2) EA ARMOR PLATE
(1) EA RAIN DRIP
(1) EA ADA THRESHOLD
(1) EA CYLINDER

HDW-19
(In-swing door w/ emergency rescue hdwr. at Patient Toilet)

DOORS: 131 184 185 191

(1) SET EMERGENCY RESCUE HDWR.
(1) EA PRIVACY LOCKSET WITH OCCUPANCY INDICATOR
(1) EA WALL STOP
(1) SET GASKETING
(1) EA CYLINDER
(1) EA KICK PLATE

HDW-20
(Single swing door with storeroom lock)

DOORS: 130 137

(3) EA HINGE
(1) EA STOREROOM LOCKSET
(1) EA CLOSER
(1) EA OVERHEAD STOP
(1) SET GASKETING
(1) EA KICK PLATE

HDW-21
(Exterior service swing door)

DOORS: 146E 147E

(3) EA HINGE
(1) EA STOREROOM LOCKSET
(1) EA CYLINDER
(1) EA CLOSER
(1) EA ARMOR PLATE
(1) SET GASKETING
(1) EA RAIN DRIP
(1) EA ADA THRESHOLD

HDW-22
(Exterior double swing utility door)

DOORS: 148E 149E

(6) EA HINGE
(1) EA STOREROOM LOCKSET
(1) EA MANUAL FLASH BOLT
(2) EA CLOSER
(1) EA ASTRAGAL
(2) EA DOOR SWEEP
(1) EA ADA THRESHOLD
(2) EA ARMOR PLATE
(1) EA RAIN DRIP
(2) EA OVERHEAD STOP
(1) EA WEATHER SEAL

HDW-23
(Single swing door w/ exit device)

DOORS: 150E

(3) SET HINGE
(1) EA EXIT DEVICE
(1) EA CLOSER
(1) SET WEATHER SEAL
(2) EA DOOR SWEEP
(1) EA ADA THRESHOLD
(1) EA CYLINDER

HDW-24
(Swing door near side wall without closer.)

DOORS: 136 170 171 172 182 183

(3) EA HINGE
(1) EA PASSAGE SET
(1) EA WALL STOP
(1) SET GASKETING

HDW-25
(Single swing door w/ card reader)

DOORS: 173

(2) EA HINGE
(1) EA ELECTRIC HINGE
(1) EA ELEC. STOREROOM LOCKSET
(1) EA CLOSER
(1) SET GASKETING
(1) EA WALL STOP
(1) EA ARMOR PLATE

NOTE:
1. CARD READER ACCESS TIED TO FIRE ALARM SYSTEM.

HDW-26
(Barn door w/o lock.)

DOORS: 180

(1) SET BARN DOOR TRACK HARDWARE
(1) EA SOFT CLOSE DAMPENING SYSTEM
(1) SET ACOUSTIC MITIGATION SEALS
(2) EA PULLS

NOTE:
1. HARDWARE PROVIDED BY SLIDING BARN DOOR MANUFACTURER

HDW-27
(Barn door w/ card reader.)

DOORS: 108

(1) SET BARN DOOR TRACK HARDWARE
(1) EA SOFT CLOSE DAMPENING SYSTEM
(1) SET ACOUSTIC MITIGATION SEALS
(2) EA PULLS
(1) EA STOREROOM LOCK

NOTE:
1. HARDWARE PROVIDED BY SLIDING BARN DOOR MANUFACTURER
2. CARD READER ACCESS TIED TO FIRE ALARM SYSTEM.

DOOR SCHEDULE

DOOR	ROOM		DOOR INFORMATION							FRAME INFORMATION			FIRE	HARDWARE	
#	NUMBER	NAME	TYPE	MATERIAL	FINISH	GLAZING	HEIGHT	WIDTH	THICKNESS	TYPE	MATERIAL	FINISH	RATING	GROUP	COMMENTS
100E	100	VESTIBULE	S2	ALUM	BLACK ANODIZED	GL-4	8' - 0"	6' - 0"	1 3/4"		ALUM	BLACK ANODIZED		01	SEE FRAME ELEVATION ON SHEET A50.01
101	101	MAIN LOBBY	S2	ALUM	BLACK ANODIZED	GL-2	8' - 0"	6' - 0"	1 3/4"		ALUM	BLACK ANODIZED		02	SEE FRAME ELEVATION ON SHEET A50.01
104A	104	SECURITY	C1	WD	<By Category>	GL-5	7' - 0"	3' - 0"	1 3/4"	01	HM	P		16	
104B	104	SECURITY	D1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		03	
106	106	ADMIN CONFERENCE	D1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		04	
107	107	CFO	D1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		05	
108	108	CHILD WATCH	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	03	ALUM	P		27	
108E	E001	COVERED ENTRY	S1	ALUM	BLACK ANODIZED	GL-4	8' - 0"	3' - 0"	1 3/4"	01	ALUM	BLACK ANODIZED		07	
109	109	CHILD TLT	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		08	
110	110	OFFICE 04	D1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
111	111	OFFICE 03	D1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
112	112	CEO	D1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
113	113	OFFICE 01	D1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
114	114	OFFICE 02	D1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
115	115	HALL	D1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		03	
115E	115	HALL	S1	ALUM	BLACK ANODIZED	GL-4	8' - 0"	3' - 0"	1 3/4"	01	ALUM	BLACK ANODIZED		10	
116	116	STAFF LOUNGE	B1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		11	
116E	116	STAFF LOUNGE	S2	ALUM	BLACK ANODIZED	GL-4	8' - 0"	6' - 0"	1 3/4"		ALUM	BLACK ANODIZED		12	SEE FRAME ELEVATION ON SHEET A50.01
117A	117	CONFERENCE	D1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		13	
117B	117	CONFERENCE	D1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		13	
117C	224	STO	A2	WD	<By Category>	N/A	7' - 0"	6' - 0"	1 3/4"	01	HM	P		14	
117EA	117	CONFERENCE	S2	ALUM	BLACK ANODIZED	GL-4	8' - 0"	6' - 0"	1 3/4"		ALUM	BLACK ANODIZED		12	SEE FRAME ELEVATION ON SHEET A50.01
117EB	117	CONFERENCE	S2	ALUM	BLACK ANODIZED	GL-4	8' - 0"	6' - 0"	1 3/4"		ALUM	BLACK ANODIZED		12	SEE FRAME ELEVATION ON SHEET A50.01
118	118	HALL	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		03	
119	119	STORAGE	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		15	
120	120	STAFF TLT #1	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		09	
121	121	PHARMACY	A1	WD	<By Category>	N/A	7' - 0"	3' - 6"	1 3/4"	01	HM	P		16	
122	122	SAFE	A1	WD	<By Category>	N/A	7' - 0"	3' - 6"	1 3/4"	02	HM	P		16	
123	123	DOSING 1	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		13	
124	124	DOSING 2	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		13	
125	125	DOSING 3	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		13	
126	126	JANITOR	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		15	
127E	127	HALL	A2	HM	P	N/A	8' - 0"	6' - 0"	1 3/4"	01	HM	P		18	
128	128	STAFF TLT #2	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		09	
129	129	IT/DATA	A2	WD	<By Category>	N/A	7' - 0"	6' - 0"	1 3/4"	01	HM	P		17	
130	130	DELIVERIES / GENERAL STORAGE	A1	WD	<By Category>	N/A	7' - 0"	3' - 6"	1 3/4"	01	HM	P		20	
131	131	PAT. TLT #4	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"		HM	P		19	
134	134	DENTAL / PC WAITING	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		03	
136	136	DENTAL LAB	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		24	
137	137	STORAGE	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		20	
142	142	OFFICE	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
143	212	HALL	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		03	
145	145	JANITOR	A1	WD	<By Category>	N/A	7' - 0"	3' - 6"	1 3/4"	01	HM	P		15	
146E	146	MED GAS	E1	HM	P	N/A	8' - 0"	3' - 0"	1 3/4"	01	HM	P		21	
147E	147	FIRE SPRINKLER	A1	HM	P	N/A	8' - 0"	3' - 6"	1 3/4"	01	HM	P		21	
148E	148	ELEC	A2	HM	P	N/A	8' - 0"	6' - 0"	1 3/4"	01	HM	P		22	
149E	149	MECH	A2	HM	P	N/A	8' - 0"	6' - 0"	1 3/4"	01	HM	P		22	
150	150	HALL	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		03	
150A	150A	LNDRY	A2	WD	<By Category>	N/A	7' - 0"	5' - 0"	1 3/4"	01	HM	P		14	
150E	150	HALL	A1	HM	P	N/A	8' - 0"	3' - 0"	1 3/4"		HM	P		23	
151	151	STAFF TLT #3 / SHWR	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		09	
152	152	STAFF TLT	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		09	
153	153	HALL	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		03	
154	154	COUNSELING 09	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
155	155	COUNSELING 08	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
156	156	COUNSELING 10	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
157	157	COUNSELING 07	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
158	158	COUNSELING 11	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
159	159	COUNSELING 06	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
160	225	HALL	D1	WD	<By Category>	GL-2	7' - 0"	3' - 0"	1 3/4"	01	HM	P		03	
161	161	COUNSELING 05	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
162	162	COUNSELING 04	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
163	163	COUNSELING 03	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
164	164	COUNSELING 02	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
165	165	COUNSELING 01	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
166	166	COUNSELING 12	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
169	169	HALL	A1	WD	<By Category>	N/A	8' - 0"	3' - 6"	1 3/4"	01	HM	P		03	
169A	169A	CLOSET	A2	WD	<By Category>	N/A	7' - 0"	6' - 0"	1 3/4"	01	HM	P		14	
170	170	BARIATRIC EXAM #3	A1	WD	<By Category>	N/A	7' - 0"	3' - 6"	1 3/4"	01	HM	P		24	
171	171	EXAM #2	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		24	
172	172	EXAM #1	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		24	
173	173	SOILED UTILITY	A1	WD	<By Category>	N/A	7' - 0"	3' - 6"	1 3/4"	01	HM	P		25	
174	174	CLEAN / MEDS	A1	WD	<By Category>	N/A	7' - 0"	3' - 6"	1 3/4"	01	HM	P		15	
176A	176	HALL	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		03	
176B	176	HALL	A1	WD	<By Category>	N/A	7' - 0"	3' - 6"	1 3/4"	01	HM	P		03	
180	180	PROVIDER OFFICE	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	03	ALUM	BLACK ANODIZED		26	
182	182	UA TLT	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		24	
183	183	UA TLT	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		24	
184	184	PAT. TLT #1	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		19	
185	185	PAT. TLT #2	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		19	
190	190	SOCIAL WORKER	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		06	
190A	190A	CLOSET	A2	WD	<By Category>	N/A	7' - 0"	5' - 0"	1 3/4"	01	HM	P		14	
191	191	PATIENT TLT #3	A1	WD	<By Category>	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P		19	
192	192	GROUP 4	S1	ALUM	BLACK ANODIZED	GL-2	8' - 0"	2' - 9 5/8"	1 3/4"		ALUM	BLACK ANODIZED		13	SEE FRAME ELEVATION ON SHEET A50.01
192E	192	GROUP 4	S2	ALUM	BLACK ANODIZED	GL-4	8' - 0"	6' - 0"	1 3/4"		ALUM	BLACK ANODIZED		12	SEE FRAME ELEVATION ON SHEET A50.01
193	193	GROUP 3	S1	ALUM	BLACK ANODIZED	GL-2	8' - 0"	2' - 9 5/8"	1 3/4"		ALUM	BLACK ANODIZED		13	SEE FRAME ELEVATION ON SHEET A50.01
193E	193	GROUP 3	S2	ALUM	BLACK ANODIZED	GL-4	8' - 0"	6' - 0"	1 3/4"		ALUM	BLACK ANODIZED		12	SEE FRAME ELEVATION ON SHEET A50.01
194	194	GROUP 2	S1	ALUM	BLACK ANODIZED	GL-2	8' - 0"	2' - 11 75/128"	1 3/4"		ALUM	BLACK ANODIZED		13	SEE FRAME ELEVATION ON SHEET A50.01
194E	194	GROUP 2	S2	ALUM	BLACK ANODIZED	GL-4	8' - 0"	6' - 0"	1 3/4"		ALUM	BLACK ANODIZED		12	SEE FRAME ELEVATION ON SHEET A50.01
195	195	GROUP 1	S1	ALUM	BLACK ANODIZED	GL-2	8' - 0"	2' - 11 1/4"	1 3/4"		ALUM	BLACK ANODIZED		13	SEE FRAME ELEVATION ON SHEET A50.01
195E	195	GROUP 1	S2	ALUM	BLACK ANODIZED	GL-4	8' - 0"	6' - 0"	1 3/4"		ALUM	BLACK ANODIZED		12	SEE FRAME ELEVATION ON SHEET A50.01

DOOR SCHEDULE GENERAL NOTE:

1. GL - #: SEE "GLAZING SCHEDULE" ON SHEET A50.01 FOR GLASS TYPE.

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6324 REGISTERED ARCHITECT
GREGORY A. BELDING
STATE OF WASHINGTON

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PROJECT # 2018136.01

PERMIT SET

ISSUE DATE JAN. 10, 2020

REVISION SCHEDULE

DOOR SCHEDULE, DOOR & FRAME TYPES

SHEET #
A60.01

NOTES & LEGEND - INTERIOR ELEVATIONS

1. REFERENCE FINISH PLAN OR FINISH SCHEDULE FOR TYPICAL ROOM FINISHES NOT SHOWN IN INTERIOR ELEVATIONS.
2. GRAPHIC REPRESENTATION OF MATERIALS AND/OR FIXTURES MAY NOT BE TO SCALE.

FINISH MATERIAL

T-1

LIGHTING

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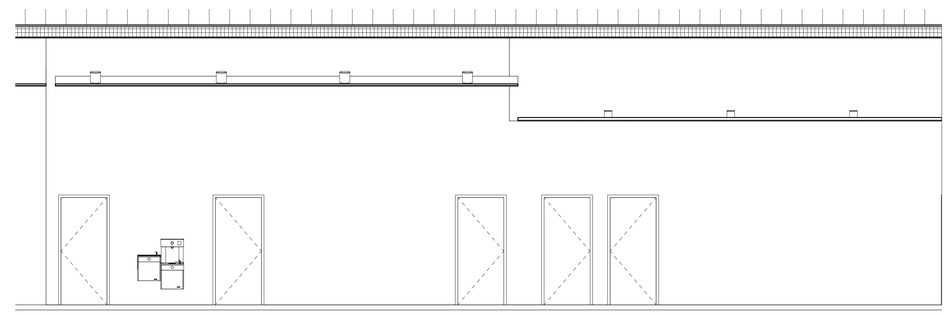
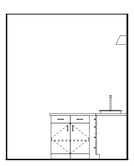
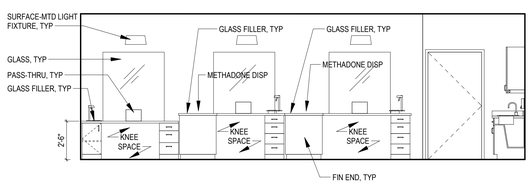


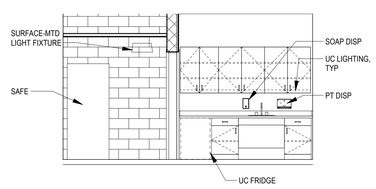
18 HALL - NORTH
1/4" = 1'-0"



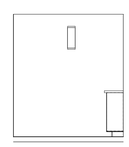
17 PHARMACY - EAST
1/4" = 1'-0"



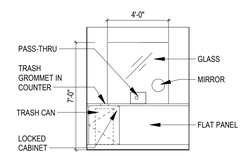
16 PHARMACY - SOUTH
1/4" = 1'-0"



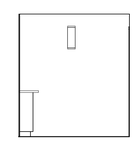
15 PHARMACY - WEST
1/4" = 1'-0"



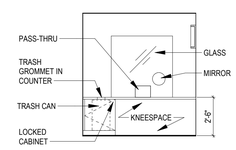
14 TYP. DOSING - WEST
1/4" = 1'-0"



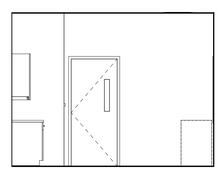
13 TYP. DOSING - NORTH
1/4" = 1'-0"



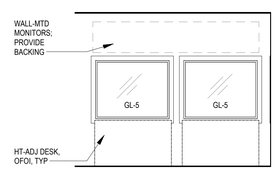
12 TYP. DOSING - EAST
1/4" = 1'-0"



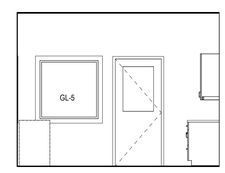
11 DOSING 3 - NORTH
1/4" = 1'-0"



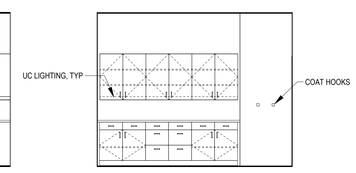
10 SECURITY - NORTH
1/4" = 1'-0"



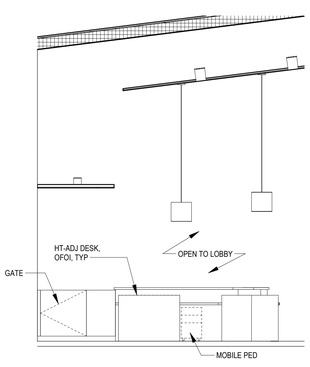
9 SECURITY - EAST
1/4" = 1'-0"



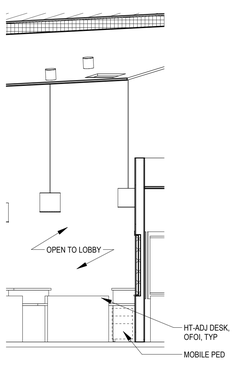
8 SECURITY - SOUTH
1/4" = 1'-0"



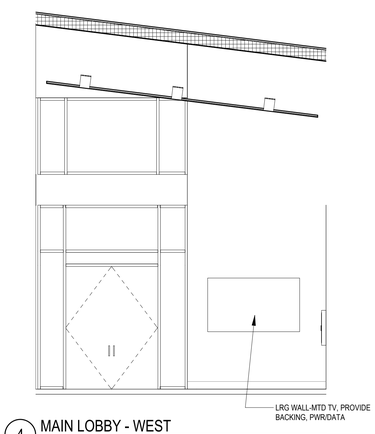
7 SECURITY - WEST
1/4" = 1'-0"



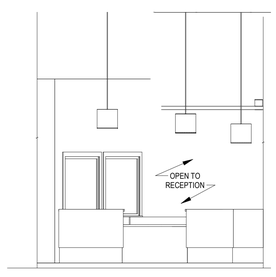
6 RECEPTION - EAST
1/4" = 1'-0"



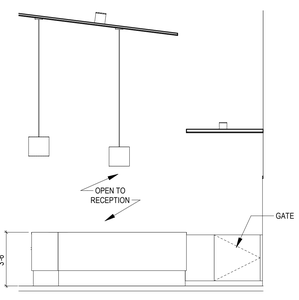
5 RECEPTION - SOUTH
1/4" = 1'-0"



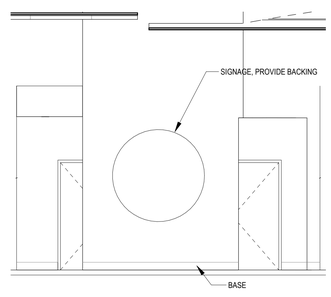
4 MAIN LOBBY - WEST
1/4" = 1'-0"



3 RECEPTION - NORTH
1/4" = 1'-0"



2 RECEPTION - WEST
1/4" = 1'-0"



1 DOSING ROOM DOORS
1/4" = 1'-0"

JAMESTOWN S'KLALLAM TRIBE
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REVISION SCHEDULE

INTERIOR ELEVATIONS

SHEET #
A70.01

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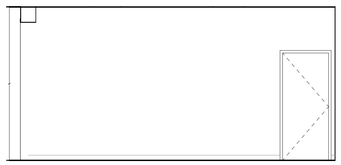
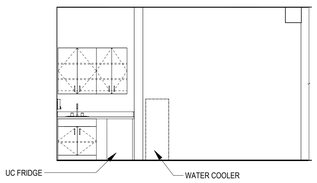
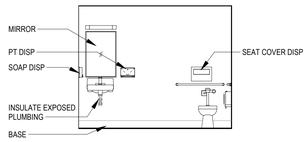
STATE OF WASHINGTON



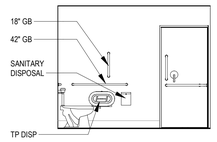
17 STAFF RESPITE - WEST
1/4" = 1'-0"



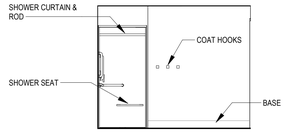
16 STAFF RESPITE - EAST
1/4" = 1'-0"



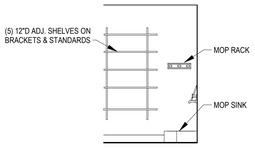
15 STAFF TLT/SHWR - EAST
1/4" = 1'-0"



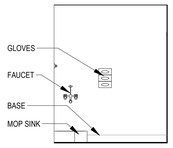
14 STAFF TLT/SHWR - SOUTH
1/4" = 1'-0"



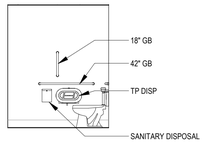
13 STAFF TLT/SHWR - WEST
1/4" = 1'-0"



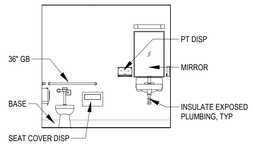
12 JANITOR 145 - NORTH
1/4" = 1'-0"



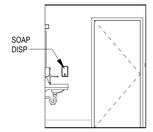
11 JANITOR 145 - EAST
1/4" = 1'-0"



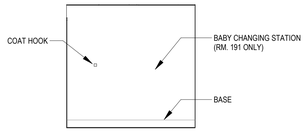
10 TYP. PATIENT TLT - 'A' WALL
1/4" = 1'-0"



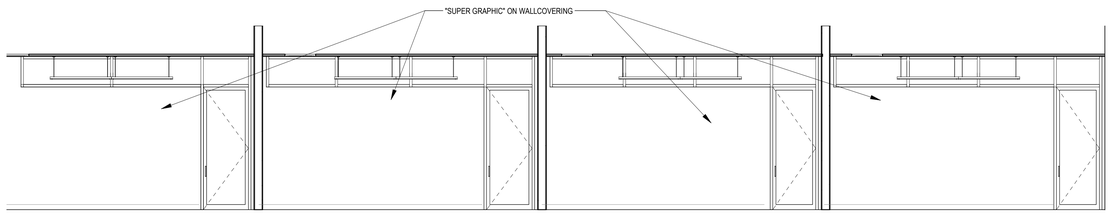
9 TYP. PATIENT TLT - 'B' WALL
1/4" = 1'-0"



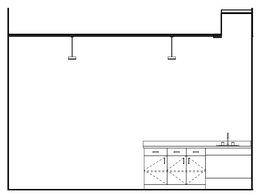
8 TYP. PATIENT TLT - 'C' WALL
1/4" = 1'-0"



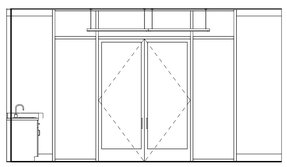
7 TYP. PATIENT TLT - 'D' WALL
1/4" = 1'-0"



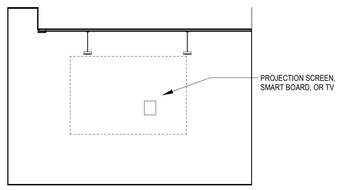
6 TYP. GROUP RM - NORTH
1/4" = 1'-0"



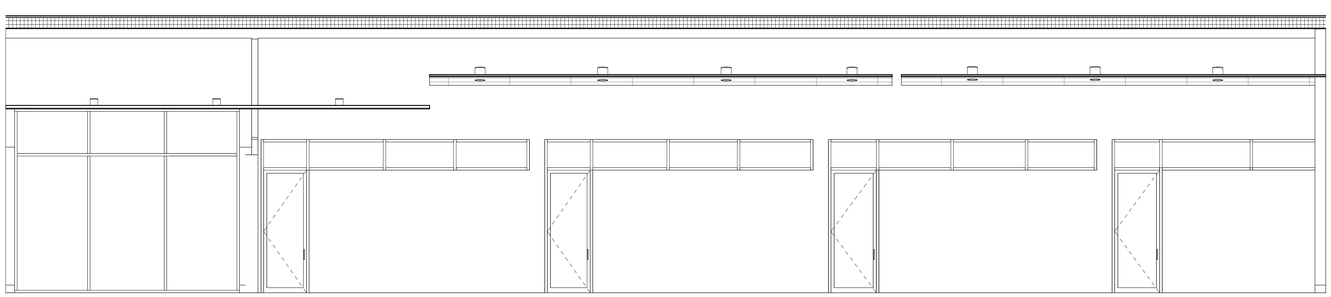
5 TYP. GROUP RM - EAST
1/4" = 1'-0"



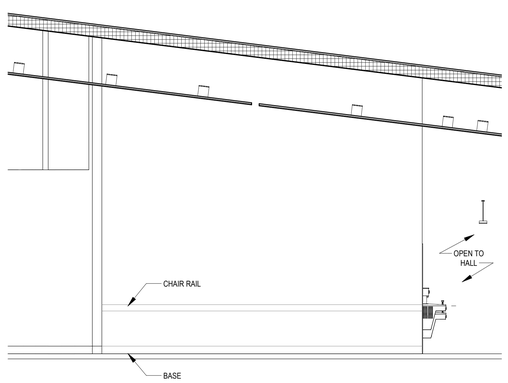
4 TYP. GROUP RM - SOUTH
1/4" = 1'-0"



3 TYP. GROUP RM - WEST
1/4" = 1'-0"



2 GROUP ROOM DOORS
1/4" = 1'-0"



1 DOSING & COUNSELING WTG - EAST
1/4" = 1'-0"

JAMESTOWN S'KLALLAM TRIBE
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REVISION SCHEDULE

INTERIOR ELEVATIONS

SHEET #
A70.02

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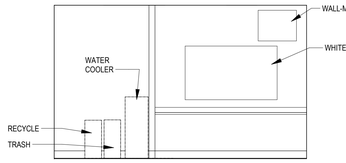
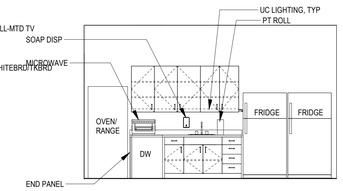
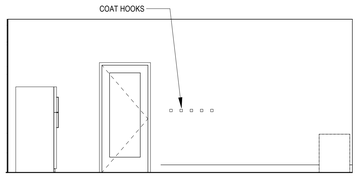


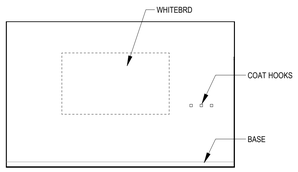
23 STAFF LOUNGE - WEST
1/4" = 1'-0"



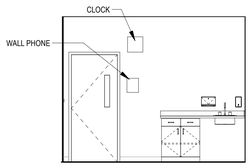
22 STAFF LOUNGE - EAST
1/4" = 1'-0"



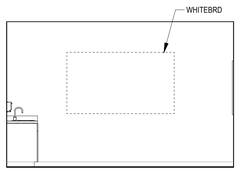
21 STAFF LOUNGE - SOUTH
1/4" = 1'-0"



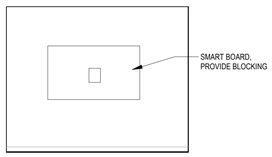
20 ADMIN CONF - WEST
1/4" = 1'-0"



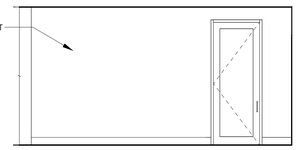
19 ADMIN CONF - NORTH
1/4" = 1'-0"



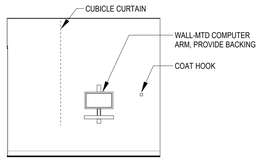
18 ADMIN CONF - EAST
1/4" = 1'-0"



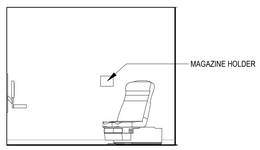
17 ADMIN CONF - SOUTH
1/4" = 1'-0"



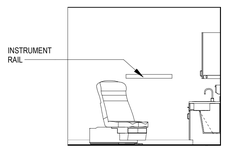
16 STAFF BREAKOUT AREA
1/4" = 1'-0"



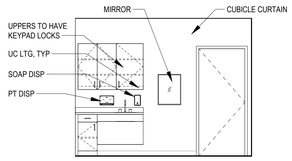
15 TYP. EXAM RM - WEST
1/4" = 1'-0"



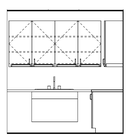
14 TYP. EXAM RM - NORTH
1/4" = 1'-0"



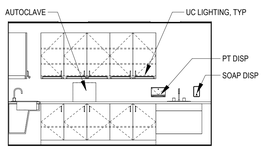
13 TYP. EXAM RM - EAST
1/4" = 1'-0"



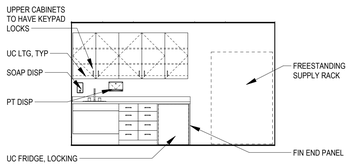
12 TYP. EXAM RM - SOUTH
1/4" = 1'-0"



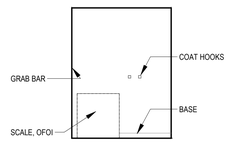
11 SOILED - SOUTH
1/4" = 1'-0"



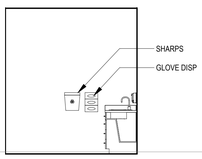
10 SOILED - WEST
1/4" = 1'-0"



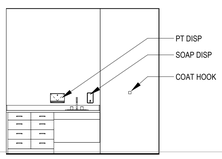
9 CLEAN / MEDS - EAST
1/4" = 1'-0"



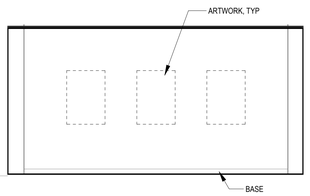
8 HEIGHT & WEIGHT - SOUTH
1/4" = 1'-0"



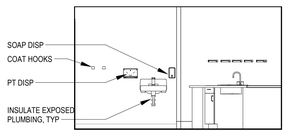
7 PHLEBOTOMY - NORTH
1/4" = 1'-0"



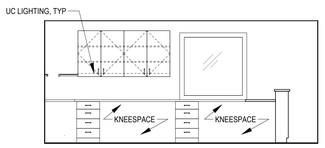
6 PHLEBOTOMY - EAST
1/4" = 1'-0"



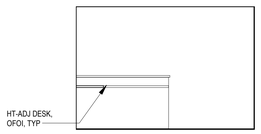
5 PC NURSE STATION - SOUTH
1/4" = 1'-0"



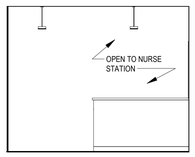
4 PC NURSE STATION - WEST
1/4" = 1'-0"



3 PC NURSE STATION - NORTH
1/4" = 1'-0"



2 PC NURSE STATION - EAST
1/4" = 1'-0"



1 PC NURSE STATION - OUTSIDE
1/4" = 1'-0"

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PROJECT #	2018136.01
PERMIT SET	
ISSUE DATE	JAN. 10, 2020

REVISION SCHEDULE

INTERIOR ELEVATIONS

SHEET #
A70.03

RICE fergus MILLER
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6324 REGISTERED ARCHITECT
GREGORY A. BELDING
STATE OF WASHINGTON

JAMESTOWN S'KLALLAM TRIBE
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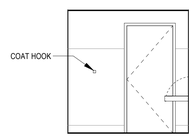
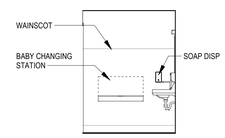
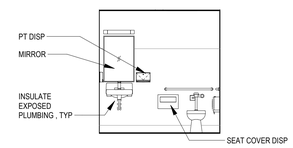
SEQUIM, WA 98382



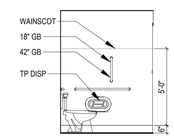
19 CHILD TLT - WEST
1/4" = 1'-0"



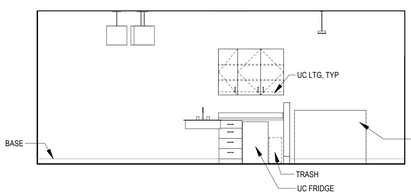
18 CHILD TLT - NORTH
1/4" = 1'-0"



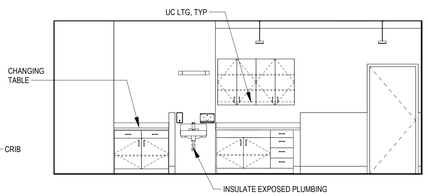
17 CHILD TLT - EAST
1/4" = 1'-0"



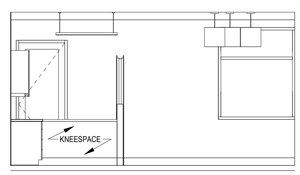
16 CHILD TLT - SOUTH
1/4" = 1'-0"



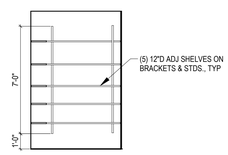
15 CHILD WATCH - NORTH
1/4" = 1'-0"



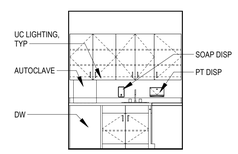
14 CHILD WATCH - SOUTH
1/4" = 1'-0"



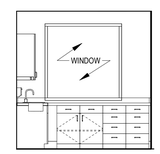
20 CHILD WATCH - WEST
1/4" = 1'-0"



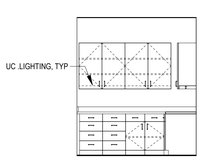
13 STORAGE 137 - TYP
1/4" = 1'-0"



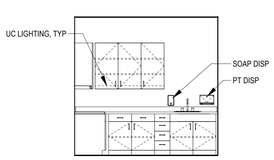
12 STERILIZATION - WEST
1/4" = 1'-0"



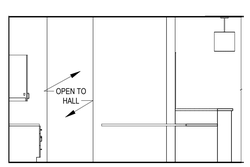
11 STERILIZATION - NORTH
1/4" = 1'-0"



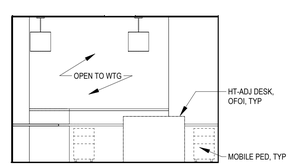
10 DENTAL LAB - SOUTH
1/4" = 1'-0"



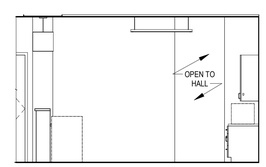
9 DENTAL LAB - WEST
1/4" = 1'-0"



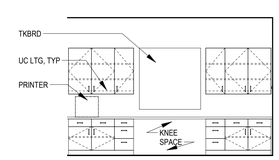
8 DENTAL/PC CHECK-IN - SOUTH
1/4" = 1'-0"



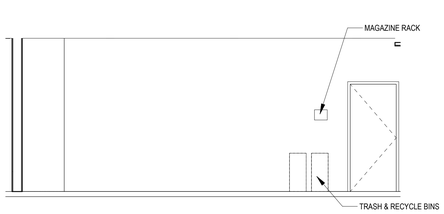
7 DENTAL/PC CHECK-IN - WEST
1/4" = 1'-0"



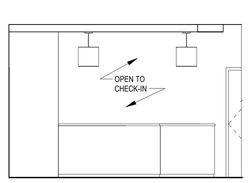
6 DENTAL/PC CHECK-IN - NORTH
1/4" = 1'-0"



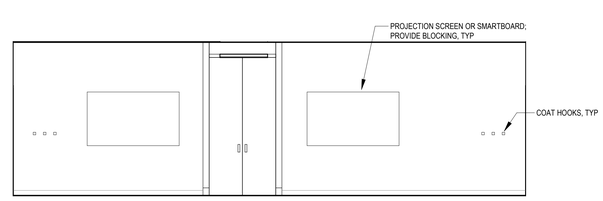
5 DENTAL/PC CHECK-IN - EAST
1/4" = 1'-0"



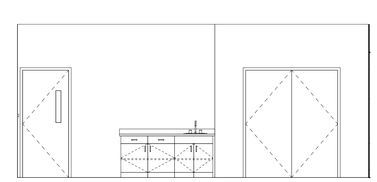
4 DENTAL/PC WAITING - NORTH
1/4" = 1'-0"



3 DENTAL/PC CHECK-IN - OUTSIDE
1/4" = 1'-0"



2 CONFERENCE - SOUTH
1/4" = 1'-0"



1 CONFERENCE - WEST
1/4" = 1'-0"

PROJECT #	2018136.01
PERMIT SET	
ISSUE DATE	JAN. 10, 2020

REVISION SCHEDULE

INTERIOR ELEVATIONS

SHEET #
A70.04

NOTES & LEGEND - FINISH PLAN

1. WALL FINISHES TRANSITION AT INSIDE CORNERS, TYP UNO.
2. FLOORING TRANSITIONS FALL UNDER DOOR LEAF, TYP UNO.

ANNOTATION

ROOM NAME ROOM TAG W/ TYPICAL FINISHES
###
FIN-1 WALL FINISH
FIN-2 WALL BASE
FIN-3 FLOOR FINISH

FIN-1 FIN-2 FLOOR FINISH TRANSITION
TRANSITION LINE

FINISH DIRECTION

ACCENT WALL FINISH EXTENT

FINISHES

CORNER GUARD

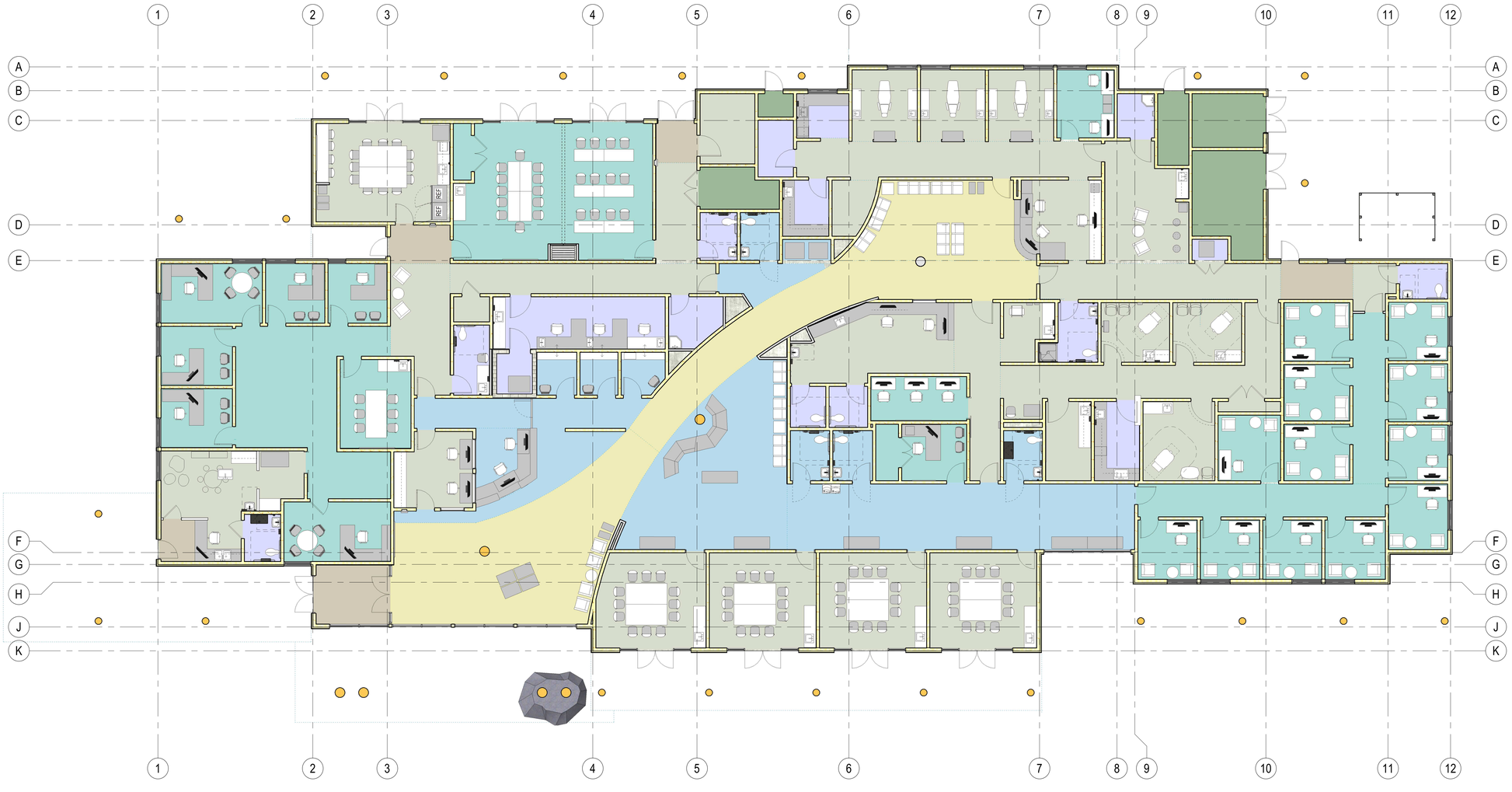
WALL GUARD

FLOOR FINISH LEGEND

- CONCR
- CPT-1
- SHEET VINYL
- T-1 (TILE)
- T-2 (TILE)
- VINYL TILE
- WO-1 (WALK-OFF CARPET)

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

6324 REGISTERED ARCHITECT
GREGORY A. BELDING
STATE OF WASHINGTON



N 1 LEVEL 1 - FINISH PLAN
1/8" = 1'-0"

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PROJECT #	2018136.01
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REVISION SCHEDULE

FINISH PLAN

SHEET #
A72.01

INTERIOR FINISH LEGEND

TAG	MATERIAL	MANUFACTURER	PRODUCT	NOTES
BASE				
WB-1	WALL BASE			
WB-2	WALL BASE			
WB-3	WALL BASE			
CARPET				
CPT-1	CARPET, MODULAR			
CPT-2	CARPET, MODULAR			
WO-1	WALK-OFF CARPET, MODULAR			
CASEWORK				
PLAM-1	HIGH PRESSURE PLASTIC LAMINATE			
PLAM-2	HIGH PRESSURE PLASTIC LAMINATE			
PLAM-3	HIGH PRESSURE PLASTIC LAMINATE			
PLAM-4	HIGH PRESSURE PLASTIC LAMINATE			
SOL-1	SOLID SURFACING			
SOL-2	SOLID SURFACING			
CEILING				
ACT-1	ACOUSTICAL CEILING TILE			
ACT-2	ACOUSTICAL CEILING TILE, WOOD	ARMSTRONG	WOODWORKS	
ACT-3	ACOUSTICAL CEILING TILE	ARMSTRONG	OPTIMA PLANKS, TEGULAR, 6"X60"	
MISC				
CC-1	CUBICLE CURTAIN & TRACK		FABRIC: TBD	
PAINT				
P-1	INTERIOR PAINT			
P-2	INTERIOR PAINT			
P-3	INTERIOR PAINT			
P-4	INTERIOR PAINT			
P-5	INTERIOR PAINT			
RESILIENT				
RES-1	VINYL FLOORING, MODULAR			
RES-2	VINYL FLOORING, MODULAR			
RES-3	VINYL FLOORING, SHEET			
WALL COVERING				
WC-1	VINYL WALL COVERING			
WC-2	VINYL WALL COVERING			
WC-3	VINYL WALL COVERING			
WALL PROTECTION				
CG-1	CORNER GUARD			
CG-2	CORNER GUARD			
WP-1	WALL PROTECTION			
WP-2	WALL PROTECTION			
TILE				
T-1	TILE, PORCELAIN			
T-2	TILE, PORCELAIN			
T-3	TILE, PORCELAIN		TILE COVE BASE	

FINISH SCHEDULE BY ROOM

ROOM INFORMATION		FINISH INFORMATION, TYP. U.N.O.					
NUMBER	NAME	WALL	BASE	FLOOR	CEILING	NOTES	MARK
100	VESTIBULE		WB-1	WO-1			
101	MAIN LOBBY		WB-1	T-1			
103	RECEPTION		WB-1	T-2			
104	SECURITY	P-1	WB-2	VINYL TILE			
105	HALL		WB-1	CPT-1			
106	ADMIN CONFERENCE		WB-1	CPT-1			
107	CFO	P-1	WB-1	CPT-1			
108	CHILD WATCH		WB-2	VINYL TILE			
108	CHILD WATCH			WO-1			
109	CHILD TLT		6" SELF COVE	SHEET VINYL			
110	OFFICE 04	P-1	WB-1	CPT-1			
111	OFFICE 03	P-1	WB-1	CPT-1			
112	CEO	P-1	WB-1	CPT-1			
113	OFFICE 01	P-1	WB-1	CPT-1			
114	OFFICE 02	P-1	WB-1	CPT-1			
115	HALL		WB-2	WO-1			
115	HALL			VINYL TILE			
116	STAFF LOUNGE		WB-2	VINYL TILE			
117	CONFERENCE		WB-1	CPT-1			
118	HALL		WB-2	VINYL TILE			
119	STORAGE	P-1	WB-2	VINYL TILE			
120	STAFF TLT #1		6" SELF COVE	SHEET VINYL			
121	PHARMACY	P-1	WB-1	SHEET VINYL			
122	SAFE	P-1	WB-1	SHEET VINYL			
123	DOSING 1	P-1	WB-2	T-2			
124	DOSING 2	P-1	WB-2	T-2			
125	DOSING 3	P-1	WB-2	T-2			
126	JANITOR	P-1 / WP-1	6" SELF COVE	SHEET VINYL			
127	HALL		WB-2	VINYL TILE			
127	HALL			WO-1			
128	STAFF TLT #2		6" SELF COVE	SHEET VINYL			
129	IT/DATA	P-1	WB-1	CONCR			
130	DELIVERIES / GENERAL STORAGE	P-1 / WP-1	WB-2	VINYL TILE			
131	PAT. TLT #4		T-3	T-2			
132	VENDING		WB-1	T-2			
133	HALL		WB-1	T-1			
133	HALL			T-2			
134	DENTAL / PC WAITING		WB-1	T-1			
135	PAN	P-1	WB-1	VINYL TILE			
136	DENTAL LAB	P-1	WB-1	SHEET VINYL			
137	STORAGE	P-1	WB-1	SHEET VINYL			
138	STERILIZATION	P-1	WB-2	SHEET VINYL			
139	OPERATORY #1		WB-2	VINYL TILE			
140	OPERATORY #2		WB-2	VINYL TILE			
141	OPERATORY #3		WB-2	VINYL TILE			
142	OFFICE	P-1	WB-1	CPT-1			
143	STAFF RESPITE		WB-2	VINYL TILE			
144	DENTAL / PC CHECK-IN		WB-2	VINYL TILE			
145	JANITOR	P-1 / WP-1	6" SELF COVE	SHEET VINYL			
146	MED GAS	P-1		CONCR			
147	FIRE SPRINKLER	P-1		CONCR			
148	ELEC	P-1		CONCR			
149	MECH	P-1		CONCR			
150	HALL		WB-2	VINYL TILE			
150	HALL			WO-1			
150	HALL			VINYL TILE			
150A	LNDRY	P-1	6" SELF COVE	SHEET VINYL			
151	STAFF TLT #3 / SHWR		6" SELF COVE	SHEET VINYL			
152	STAFF TLT		6" SELF COVE	SHEET VINYL			
153	HALL		WB-2	CPT-1			
154	COUNSELING 09	P-2	WB-1	CPT-1			
155	COUNSELING 08	P-2	WB-1	CPT-1			
156	COUNSELING 10	P-2	WB-1	CPT-1			
157	COUNSELING 07	P-2	WB-1	CPT-1			
158	COUNSELING 11	P-2	WB-1	CPT-1			
159	COUNSELING 06	P-2	WB-1	CPT-1			
160	HALL		WB-2	CPT-1			
161	COUNSELING 05	P-2	WB-1	CPT-1			
162	COUNSELING 04	P-2	WB-1	CPT-1			
163	COUNSELING 03	P-2	WB-1	CPT-1			
164	COUNSELING 02	P-2	WB-1	CPT-1			
165	COUNSELING 01	P-2	WB-1	CPT-1			
166	COUNSELING 12	P-2	WB-1	CPT-1			
169	HALL		WB-2	VINYL TILE			
169A	CLOSET	P-1	WB-2	VINYL TILE			
170	BARIATRIC EXAM #3		WB-2	VINYL TILE			
171	EXAM #2		WB-2	VINYL TILE			
172	EXAM #1		WB-2	VINYL TILE			
173	SOILED UTILITY	P-1 / WP-1	6" SELF COVE	SHEET VINYL			
174	CLEAN / MEDS	P-1	WB-2	VINYL TILE			
175	PHLEBOTOMY		WB-2	VINYL TILE			
176	HALL		WB-2	VINYL TILE			
180	PROVIDER OFFICE	P-1	WB-1	CPT-1			
181	NURSE STATION / LAB		WB-2	VINYL TILE			
182	UA TLT		6" SELF COVE	SHEET VINYL			
183	UA TLT		6" SELF COVE	SHEET VINYL			
183	DOSING & COUNSELING WAITING		WB-2	T-2			
184	PAT. TLT #1		T-3	T-2			
185	PAT. TLT #2		T-3	T-2			
190	SOCIAL WORKER	P-1	WB-1	CPT-1			
190A	CLOSET	P-1	WB-1	CPT-1			
191	PATIENT TLT #3		T-3	T-2			
192	GROUP 4		WB-2	VINYL TILE			
193	GROUP 3		WB-2	VINYL TILE			
194	GROUP 2		WB-2	VINYL TILE			
195	GROUP 1		WB-2	VINYL TILE			

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REGISTERED ARCHITECT
GREGORY A. BELDING
STATE OF WASHINGTON

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
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PROJECT # 2018136.01

PERMIT SET

ISSUE DATE JAN. 10, 2020

REVISION SCHEDULE

FINISH LEGEND & SCHEDULE

SHEET #
A72.02

EQUIPMENT SCHEDULE

EQUIP #	Type	MANUFACTURER	MODEL	ORIGIN	FURN. / INSTALL.	EQUIPMENT SIZE WIDTH	DEPTH	HEIGHT	PWR	DATA	E-PWR	PLUMB. REQ.	BACKING REQ.	NOTES
ACL-1	AUTOCLAVE			NEW	OFOI				YES	--				
BCS-1	BABY CHANGING STATION	Bobrick Washroom Equipment, Inc.	KB110-SSWM	NEW	CFCI				--	--	--	--	YES	
CH-1	COAT HOOK	BOBRICK	SURFACE-MOUNTED DOUBLE ROBE HOOK B-6727, SATIN FINISH STAINLESS STEEL	NEW					--	--	--	--		
CLK-1	CLOCK			NEW	OFOI				--	--	--	--	--	
DADJ-1	HT-ADJ DESK													
DADJ-2	HT-ADJ DESK-60"			NEW	OFOI				YES	--	--	--	--	
DSHW-1	DISHWASHER													
FEC-R	FEC-R (Semi Recessed)				CFCI									
FR-1	UC FRIDGE	AVANTI	4.4 CU FT COUNTERHIGH REFRIGERATOR #ARA4556SS; STAINLESS STEEL/BLACK						YES	--		--	--	
FR-2	FRIDGE			NEW					YES	--	--		--	
FR-3	UC FRIDGE-MEDS			NEW	OFOI				YES	--	--	--	--	LOCK, TEMPERATURE MONITOR
GB-1	Wheelchair Accessible 60"													
GLB-1	GLOVE BOX HOLDER													
GLD-1	3 Boxes													
MC-1	MICROWAVE	KENMORE	1.6 CU FT COUNTERTOP MICROWAVE OVEN #76982; COLOR: WHITE	NEW										
MGZ-1	MAGAZINE HOLDER								--	--	--	--		
MON-1	MONITOR-WALL				OFCI				YES	YES	--	--	YES	
MON-2	MONITOR-WALL-SMALL				OFCI				YES	YES	--	--	YES	
MR-1	MIRROR-LRG			NEW	CFCI									
MR-2	MIRROR-SM			NEW	CFCI									
OVE-1	OVEN / RANGE			NEW										
PRJ-1	OVERHEAD PROJECTOR													
PRN-1	PRINTER	TBD			OFOI									
PTD-1	PAPER TOWEL DISPENSER	Bobrick	B-2621	NEW	OFCI									
RC-1	RECYCLE CAN				OFOI									
SCD-1	SEAT COVER DISPENSER	BOBRICK	CONTURA SERIES #B-4221; SATIN FIN. STAINLESS STEEL	NEW	CFCI				--	--	--	--		
SCL-1	SCALE				OFOI									
SD-1	SOAP DISPENSER	Bobrick	B-2111	NEW	OFCI				--	--	--	--		
SF-1	NARCOTICS SAFE			NEW	OFOI									
SH-1	12W 14H 5D													
SND-1	SANITARY DISPOSAL	Bobrick	B-270	NEW	CFCI				--	--	--	--		
STR-1	STERILIZER				OFOI				YES	--				
TC-1	TRASH CAN				OFOI							--	--	
TCL-1	TRASH CAN - DOSING				OFOI				--	--	--	--		
TKB-1												--		
TKBS-1	TACKBOARD SMALL													
TPD-1	TOILET PAPER DISPENSER	Bobrick	B-2892	NEW	CFCI				--	--	--	--		
TVB-1	TV BRACKET													
VM-1	VENDING MACHINE													
WCO-1	WATER COOLER		BOTTLED		OFOI							--	--	
WD-1	WASHER/DRYER								YES	--		YES	--	
WHB-1	WHITEBOARD								--	--	--	--		
WHB-2	WHITEBOARD 36"								--	--	--	--		
WPH-1	WALL PHONE				OFOI									
WS-1	WORKSTATION, COMPUTER			NEW	OFOI				YES	YES		--	YES	

NOTES & LEGEND - FURNITURE/ EQUIPMENT PLAN

1. CONTRACTOR TO FURNISH AND INSTALL FURNITURE AND/OR EQUIPMENT UNO.
2.

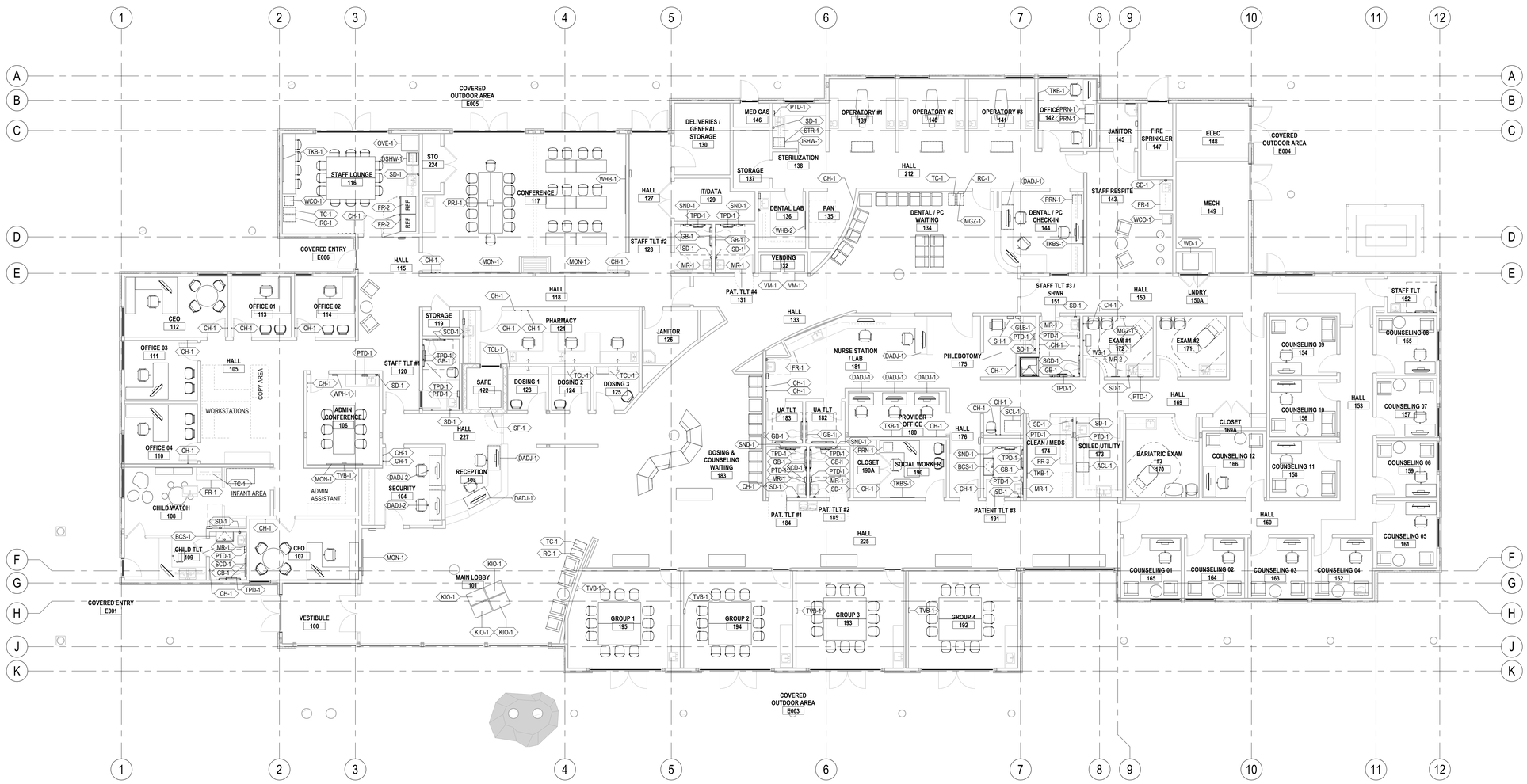
ANNOTATION TAG

ROOM NAME ### — TYPICAL ROOM TAG; ROOM NUMBER

CLEARANCES

5'-0" CIRCULAR TURNING AREA

30" X 48" CLEAR FLOOR SPACE



1 LEVEL 1 - EQUIPMENT PLAN
1/8" = 1'-0"

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EQUIPMENT PLAN

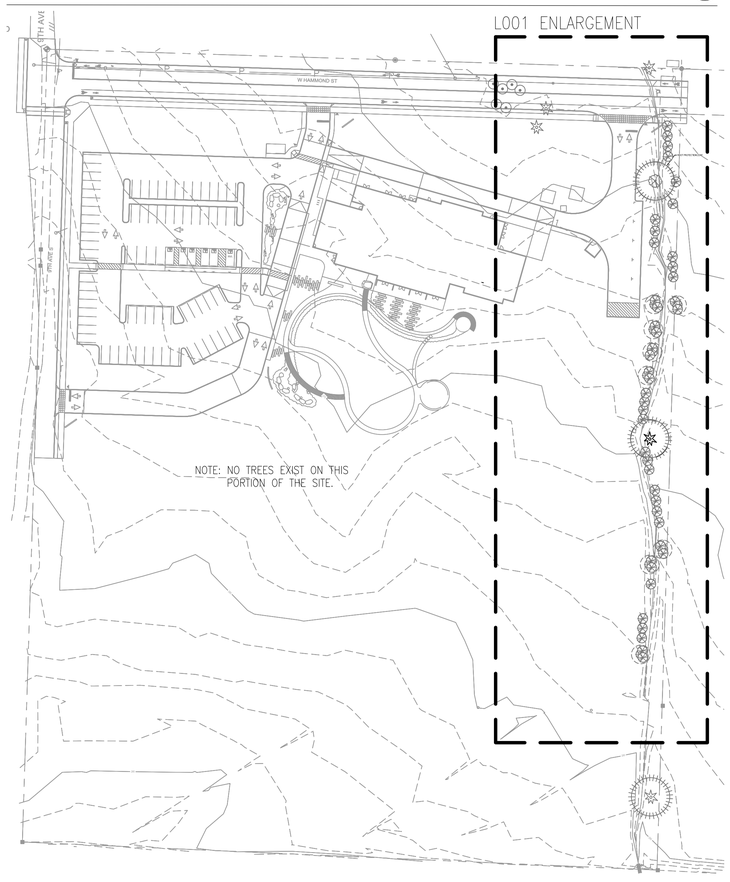
SHEET #
A80.01

NOTES

1. TREE RETENTION AND LANDSCAPING PER SEQUIM MUNICIPAL CODE SECTION 18.24.130 AND 18.24.130.B.2.0.
2. THE ONLY TREES THAT EXIST ON THE SITE ARE THOSE LOCATED ALONG THE EXISTING IRRIGATION CANAL, AS SHOWN.
3. TREES WERE INVENTORIED DECEMBER 2019 TO DETERMINE WHICH CAN BE RETAINED. LOCATIONS ARE APPROXIMATE, NOT SURVEYED.
4. THE IRRIGATION CANAL WILL BE BURIED IN A PIPE AS PART OF THIS DEVELOPMENT. SEE CIVIL PLANS FOR LOCATION.
5. TREE PROTECTION IS REQUIRED FOR TREES THAT ARE INDICATED TO BE RETAINED (CRITICAL ROOT ZONE/DRIPLINE) TO BE PROTECTED FROM CONSTRUCTION ACTIVITY. NO MECHANICAL GRADING TO OCCUR WITHIN THE CRITICAL ROOT ZONE/DRIPLINE OF TREES.
6. MOST ALDER TREES ALONG EXISTING CANAL ARE IN POOR CONDITION, DEAD OR ARE MULTI-TRUNK SUCKERS GROWING OUT OF STUMPS. REMOVING THE CANAL WATER SOURCE (PLACEMENT WITHIN PIPE AS PROPOSED) IS LIKELY TO HAVE A NEGATIVE IMPACT ON EXISTING TREES GROWING ALONG THE CANAL BANKS, THUS THE RECOMMENDATION FOR REMOVAL.
7. REFER TO CIVIL NOTES FOR DEMOLITION AND GRADING ACTIVITIES.
8. PLACE 6' HT. TEMPORARY CHAINLINK FENCE AROUND TREES INDICATED AS RETAINED TREES. PLACE FENCE BENEATH DRIPLINE OF EACH TREE.
9. IF GRADING IS REQUIRED WITHIN THE DRIP LINE OF RETAINED TREES, IT IS TO BE EXECUTED BY HAND AND ROOTS OVER 2" DIAMETER SHALL BE CLEANLY CUT, NOT TORN, IF NECESSARY.

KEY

N.T.S.



SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
	AME AUT	9	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' / AUTUMN BRILLIANCE SERVICEBERRY	B & B	2" CAL	
	COR EDD	4	CORNUS KOUSA X NUTTALLII 'EDDIE'S WHITE WONDER' / KOUSA DOGWOOD	B & B	2"CAL	
	PSE DOU	7	PSEUDOTSUGA MENZIESII / DOUGLAS FIR	NA	NA	6' HT.
	THU PLI	6	THUJA PLICATA / WESTERN RED CEDAR	NA	NA	6' HT.

SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT
	GAR JAM	19	GARRYA ELLIPTICA 'JAMES ROOF' / JAMES ROOF COAST SILK TASSEL	3 GAL
	MAH AQU	80	MAHONIA AQUIFOLIUM / TALL OREGON GRAPE	3 GAL
	MYR CAL	21	MYRICA CALIFORNICA / PACIFIC WAX MYRTLE	3 GAL

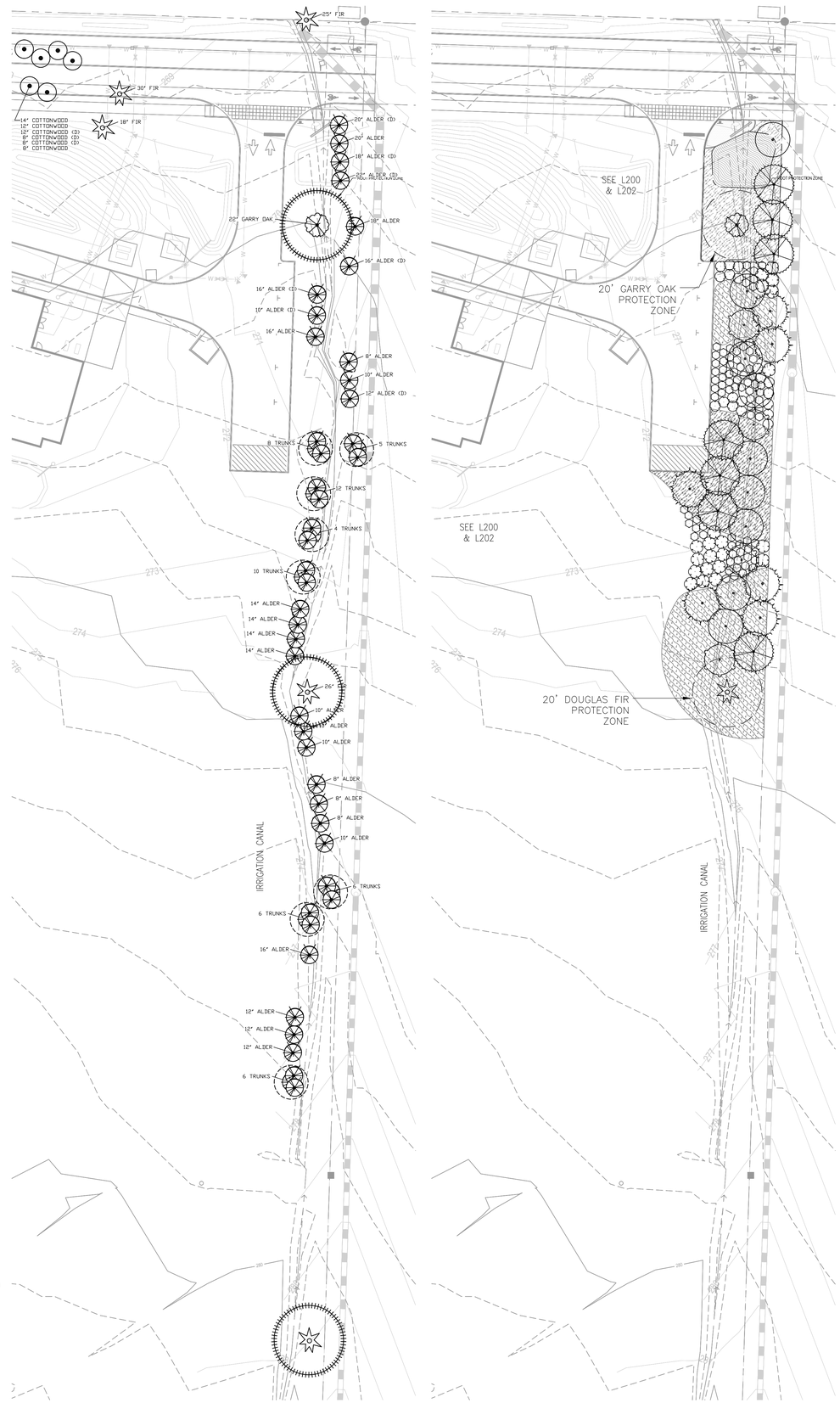
SHRUB AREAS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING
	ROS NUT	221	ROSA NUTKANA / NOOTKA ROSE	3 GAL	60" o.c.
	SYM ALB	245	SYMPHORICARPOS ALBUS / COMMON WHITE SNOWBERRY	3 GAL	60" o.c.

PLANTING AREA SCHEDULE

BIORETENTION & RIPARIAN PLANTINGS	996 SF		
ACANTHUS MOLLIS / BEAR'S BREECH	12	1 GAL.	10% @ 36" oc
ASTER CHILENSIS / PACIFIC ASTER	26	1 GAL.	10% @ 24" oc
BERGENIA CORDIFOLIA 'WINTERGLUT' / HEARTLEAF BERGENIA	26	1 GAL.	10% @ 24" oc
CAREX OBNUPTA / SLOUGH SEDGE	52	1 GAL.	20% @ 24" oc
ERIGERON SPECIOSUS / SHOWY FLEABANE	26	1 GAL.	10% @ 24" oc
GERANIUM X CANTABRIGIENSE 'BIOKOVO' / BIOKOVO CRANESBILL	93	1 GAL.	20% @ 18" oc
HERNIARIA GLABRA / GREEN CARPET	93	4" POT	20% @ 18" oc
IRIS DOUGLASIANA / DOUGLAS IRIS	93	N/A	20% @ 18" oc
JUNCUS EFFUSUS / COMMON RUSH	52	1 GAL.	20% @ 24" oc
LIRIOPE SPICATA 'SILVER DRAGON' / CREEPING LILY TURF	93	1 GAL.	20% @ 18" oc

EXISTING TO RETAIN

PROPOSED ENHANCEMENT



ALDER

COTTONWOOD

GARRY OAK

DOUGLAS FIR

ALDER CLUMP

(D) DEAD/POOR

TREE TO BE RETAINED

GRAPHIC SCALE

30' 0 15' 30'

1 INCH = 30 FT.

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STATE OF WASHINGTON
JEFFREY K. BOUMA
No 847 EXP. 06/02/20
LANDSCAPE ARCHITECT

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PROJECT #	2018136.01
PERMIT SET	
ISSUE DATE	JANUARY 10, 2020

REVISION SCHEDULE

TREE RETENTION PLAN

SCALE: 1"=30' ON 30" X 42" SHEET

SHEET #

L001

MATERIALS SCHEDULE

LEGEND

PAVING MATERIALS

SYMBOL	CALLOUT	MATERIAL	REFERENCE	DESCRIPTION	COLOR	FINISH/PATTERN	NOTE 1	NOTE 2
	P1	CAST-IN-PLACE CONCRETE TYPE 1	X/LXXX	4" DEPTH STANDARD CONCRETE	STANDARD	LIGHT ACID WASHED	COORD WITH CIVIL DRAWINGS	JOINTING PER PLAN
	P2	SPECIALTY PAVEMENT	X/LXXX	AGGREGATE CONCRETE	STANDARD	¾" PEA GRAVEL AGGREGATE	COORD. WITH CIVIL DRAWINGS	JOINTING PER PLAN
	P3	SPECIALTY PAVEMENT	X/LXXX	STAMPED CONCRETE	TBD	TBD	COORD. WITH CIVIL DRAWINGS	JOINTING PER PLAN
	P4	GRAVEL	X/LXXX	⅜ CLEAN GRANITE	STANDARD	COMPACTED	3" DEPTH	
	P5	EBONY WOOD, OR EQUAL	X/LXXX	TREATED ON POSTS & BEAMS, LESS THAN 30" HT., NO RAILINGS	NATURAL	PER PLAN	¾" X 6" DECKING	TAPERED ON CURVES PER PLAN
	P6	GRASS PAVE	X/LXXX	INVISIBLE STRUCTURES, OR EQUAL	NA	NA	PER CIVIL	
	P7	STEPPING STONES #1	X/LXXX	PACIFIC BLACK BASALT SLABS, 2" X 18" X 48"	CHARCOAL BLACK, GREY	THERMAL BRUSH	SAND SET	
	P8	STEPPING STONES #2	X/LXXX	BASALT COLUMN	BLACK	FLAT TOP	~24" HT.	

ELEMENTS

SYMBOL		DESCRIPTION	REFERENCE	DESCRIPTION	MODEL NUMBER/NAME	COLOR/FINISH	NOTE 1	NOTE 2
	E1	CASCADE WATER FEATURE, BOULDERS	X/LXXX	BASALT COLUMN, SHORT HIGH CASCADE GRANITE, 4-5 MAN	NA	NA	DESIGN/BUILD WITH LANDSCAPE CONTRACTOR	SHOP DRAWINGS REQUIRED
	E2	COBBLE		CLEAN GRANITE, 4-6"	NA	GREY, VARIABLE	6" DEPTH	
SEE PLAN	E3	SPREADING WATER FEATURE	X/LXXX	MORTARED CHINESE BASALT SLAB	CHARCOAL BLACK	THERMAL BRUSH	DESIGN/BUILD WITH LANDSCAPE CONTRACTOR	
	E4	WOOD BENCH FEATURE	X/LXXX	18" X 18" X X'L WOOD TIMBER	NA	NONE	SANDED SURFACES	SET ON ¾" COMPOSITE SPACERS (12" X 12"), 4" O.C.
	E5	FEATURE BOULDER		GRANITE, VERY LARGE	NA	GREY	OWNER/ARCHITECT TO SELECT	
	E6	BIKE RACK		ROUND, 3 BIKE CAPACITY	LANDSCAPE FORMS 'RING' OR EQUAL	PANGARD II POWDERCOAT		
SEE PLAN	E7	FUTURE SMOKING SHELTER		PER ARCH	NA	NA	TO BE UNDER A SEPARATE PERMIT	
SEE PLAN	E8	FUTURE GAZEBO/SHELTER		PER ARCH	NA	NA	TO BE UNDER A SEPARATE PERMIT	
SEE PLAN	E9	FACILITY SIGN		PER ARCH	NA	NA		
	E10	FENCE	X/LXXX	CEDAR SPLIT RAIL	NATURAL	NATURAL	2-RAIL	POST-ENDS TREATED & GRAVEL FOOTINGS

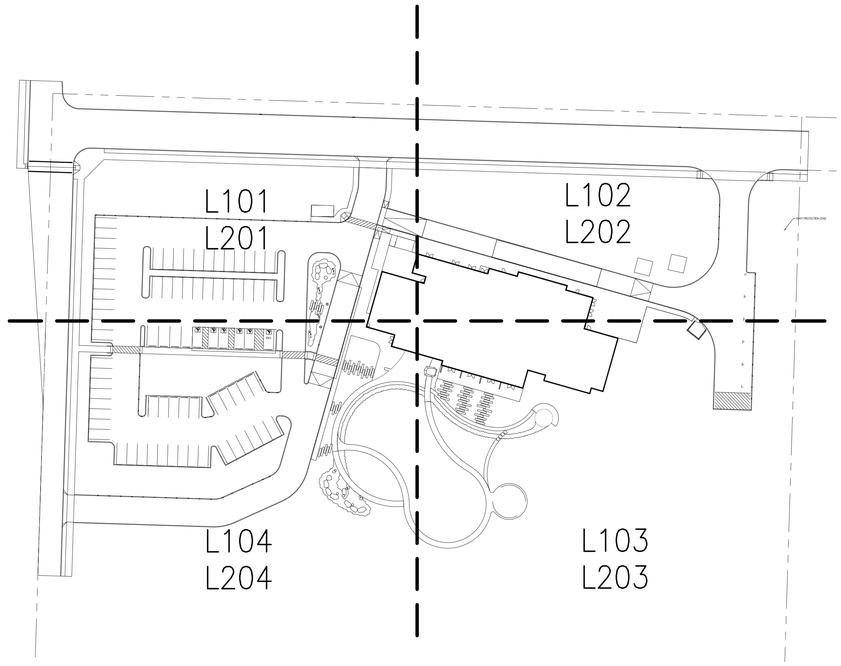
LIGHTING AND POWER

SYMBOL		DESCRIPTION	REFERENCE	DESCRIPTION	MODEL NUMBER/NAME	COLOR/FINISH	NOTE 1	NOTE 2
		PARKING LOT LIGHT	PER ELEC.	FIXTURE T.B.D.				
		BOLLARD LIGHT	PER ELEC.	FIXTURE T.B.D.				
		POWER FOR SIGN, ACCENT, STRUCTURE LIGHTS, E.V. STATION	PER ELEC.	FIXTURE T.B.D.				
		POWER FOR WATER PUMP	PER ELEC.	FIXTURE T.B.D.				

NOTES:

1. COLORS AND FINISHES TO BE CONFIRMED WITH OWNER AND ARCHITECT DURING CD'S.
2. CONCRETE HATCH NOT SHOWN FOR ALL PAVED AREAS. REFER TO CIVIL DRAWINGS FOR CONCRETE IN OTHER VEHICULAR AREAS (ROAD, ENTRIES, LOADING) AND CITY SIDEWALKS.
3. LAYOUT PLAN WITH DIMENSIONS TO BE PROVIDED DURING CD'S.
4. REFER TO PLANTING PLAN SHEETS FOR AREAS LABELED AS "PA" (PLANTING AREA).

SHEET INDEX



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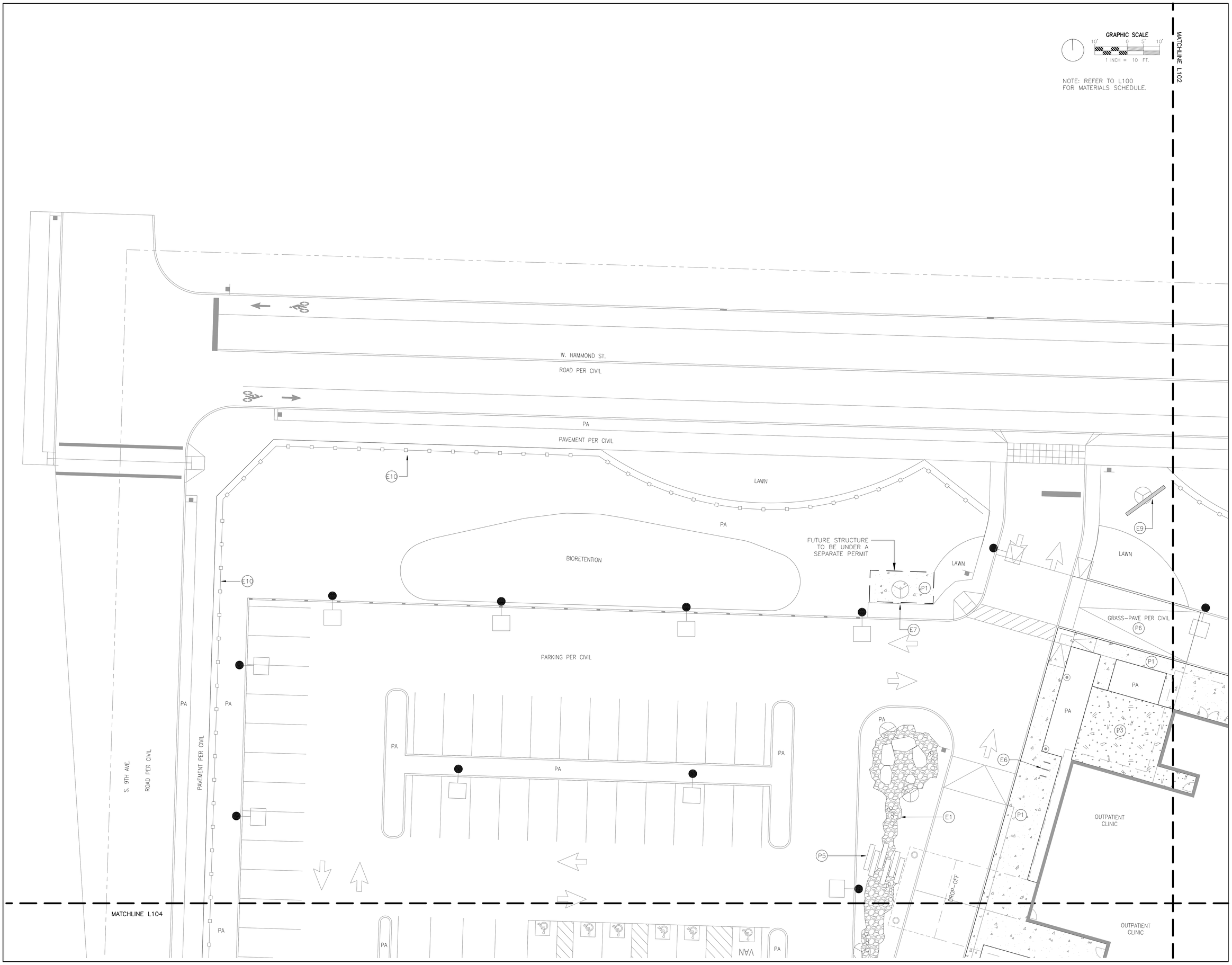
REVISION SCHEDULE

LANDSCAPE MATERIALS

SHEET #
L100



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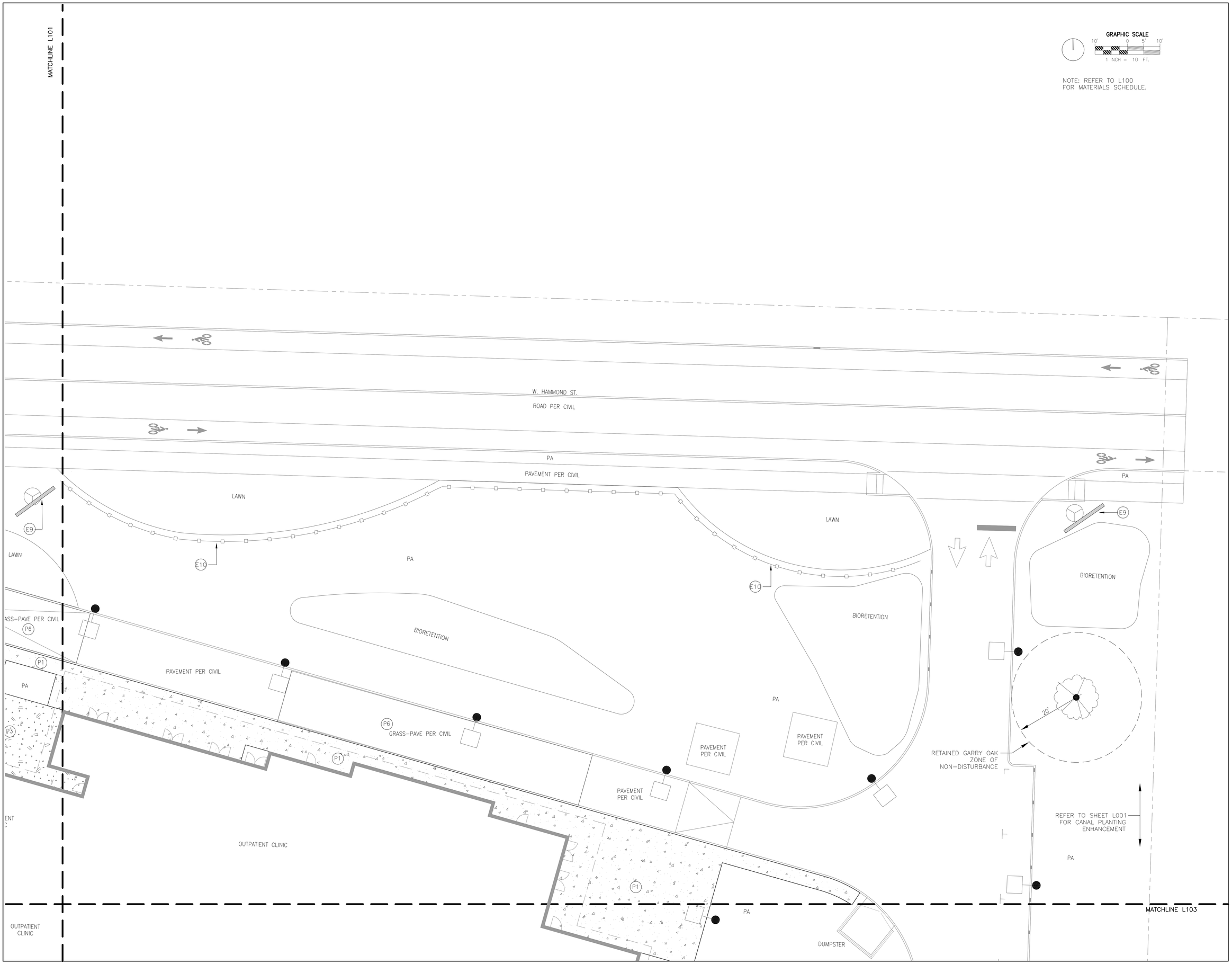
REVISION SCHEDULE

LANDSCAPE MATERIALS
NORTHWEST

SCALE: 1"=10' ON 30" X 42" SHEET

SHEET #
L101



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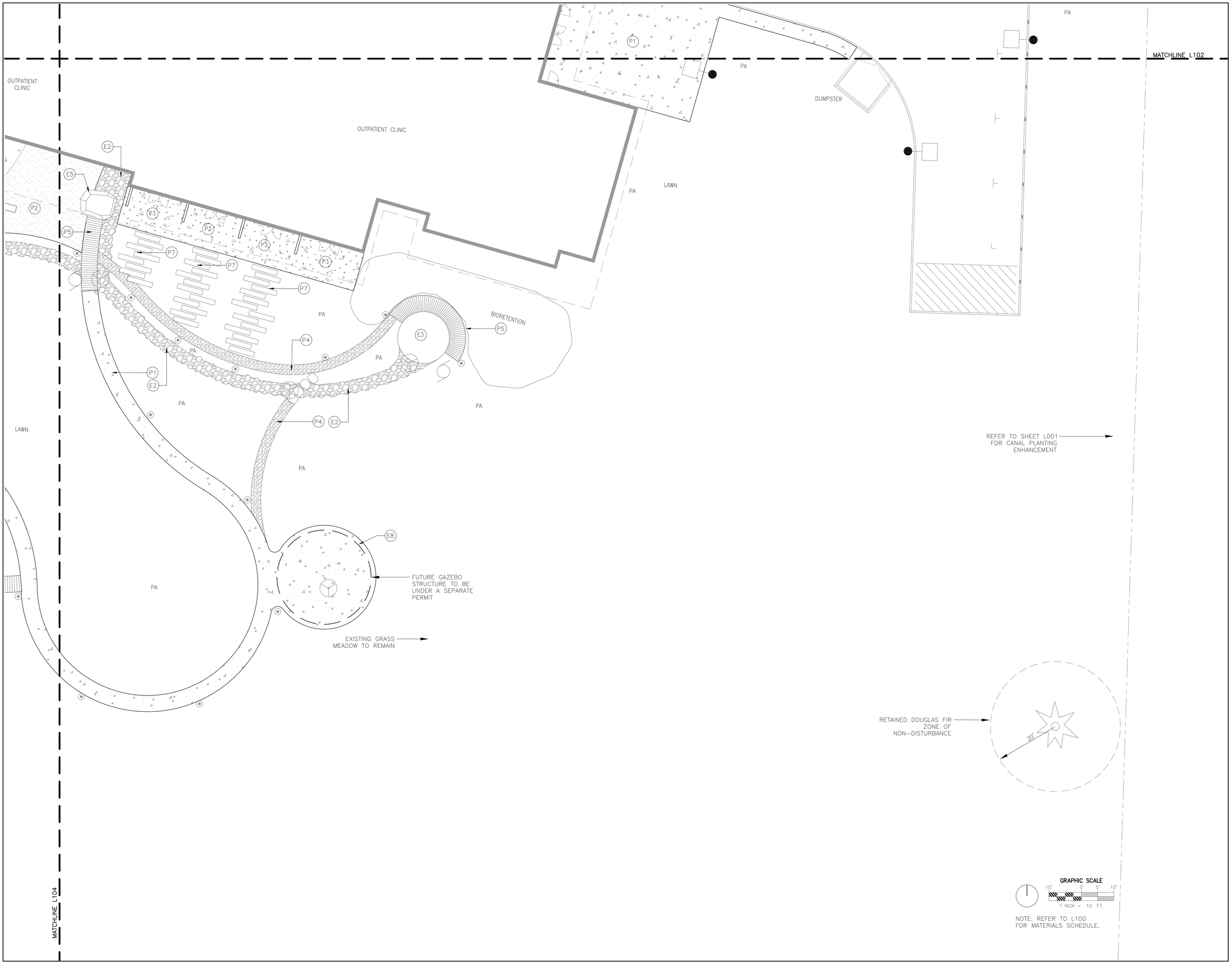
REVISION SCHEDULE

LANDSCAPE MATERIALS
NORTHEAST

SCALE: 1"=10' ON 30" X 42" SHEET

SHEET #
L102



NOTE: REFER TO L100 FOR MATERIALS SCHEDULE.

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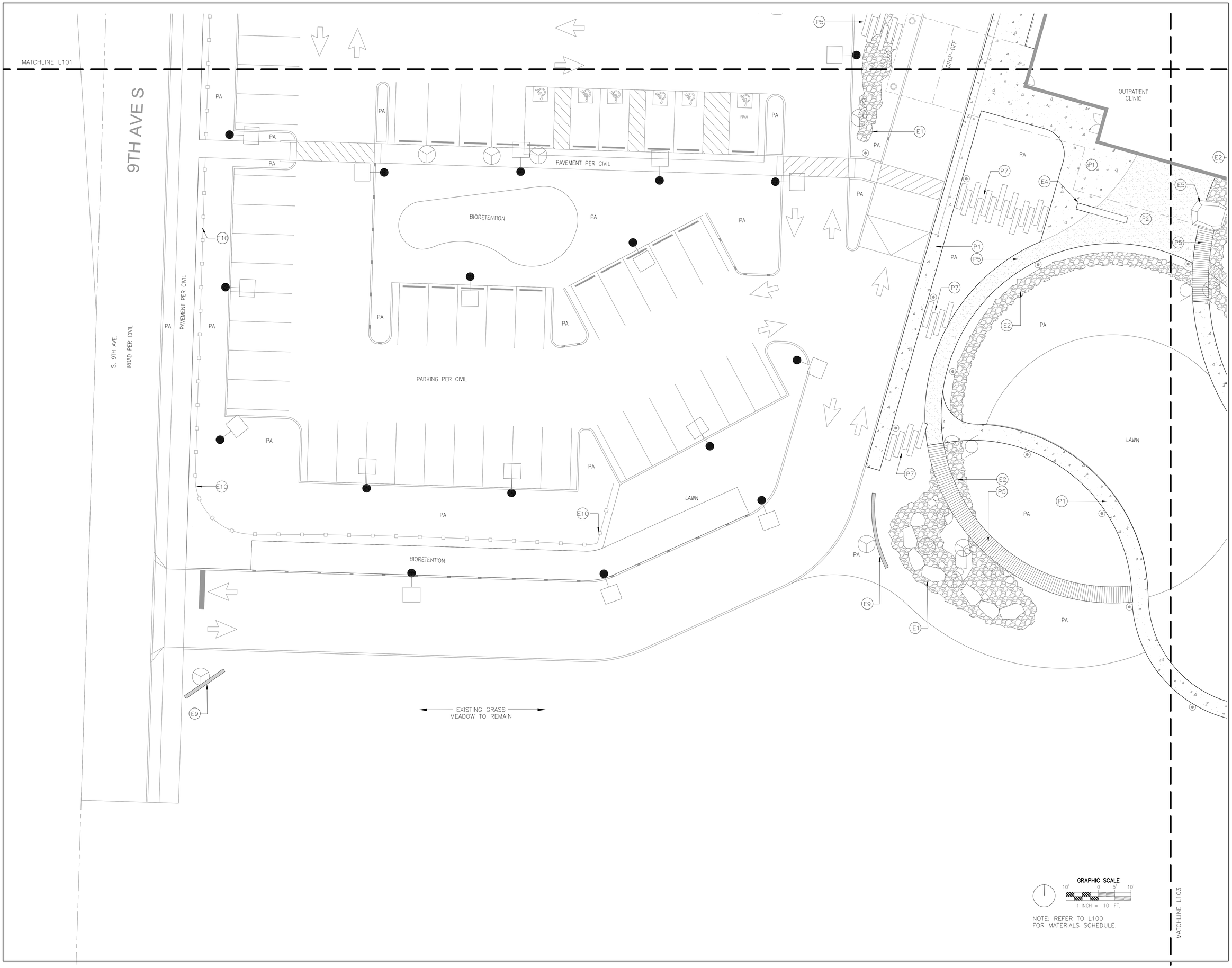
LANDSCAPE MATERIALS SOUTHEAST

SCALE: 1"=10' ON 30" X 42" SHEET

SHEET #
L103



GRAPHIC SCALE

10' 0 5' 10'

1 INCH = 10 FT.

NOTE: REFER TO L100 FOR MATERIALS SCHEDULE.

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STATE OF WASHINGTON
JEFFREY K. BOUMA
No. 847 EXP. 06/02/20
LANDSCAPE ARCHITECT

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PROJECT #	2018136.01
PERMIT SET	
ISSUE DATE	JANUARY 10, 2020

REVISION SCHEDULE

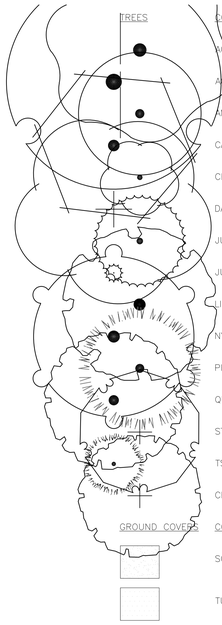
LANDSCAPE MATERIALS SOUTHWEST

SCALE: 1"=10' ON 30" X 42" SHEET

SHEET #

L104

PLANTING SCHEDULE



TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
	ACE FLA	1	ACER NEGUNDO 'FLAMINGO' / FLAMINGO BOX ELDER	B & B	2" CAL	
	ACE JEF	7	ACER X FREEMANII 'JEFFSRED' / AUTUMN BLAZE MAPLE	B & B	2" CAL	
	AME AUT	18	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' / AUTUMN BRILLIANCE SERVICEBERRY	B & B	2" CAL	
	CAT SPE	5	CATALPA SPECIOSA / NORTHERN CATALPA	B & B	2" CAL	
	CER OCC	3	CERCIS OCCIDENTALIS / WESTERN REDBUD	B & B	1.5" CAL.	
	DAV SON	1	DAVIDIA INVOLUCRATA 'SONOMA' / HANDKERCHIEF TREE	B & B	2" CAL	
	JUN KAI	14	JUNIPERUS CHINENSIS 'KAIZUKA' / HOLLYWOOD JUNIPER	B & B	N/A	6' HT.
	JUN ME2	3	JUNIPERUS SCOPULORUM 'MEDORA' / MEDORA JUNIPER	B & B	N/A	5-6' HT
	LIR EME	4	LIRIODENDRON TULIPIFERA 'EMERALD CITY' / EMERALD CITY TULIP TREE	B & B	2" CAL	
	NYS SYL	4	NYSSA SYLVATICA / SOUR GUM	B & B	2" CAL	
	PIN CON	15	PINUS CONTORTA VAR. CONTORTA / SHORE PINE	B & B	N/A	6' HT.
	QUE WAR	22	QUERCUS WAREI / WARES OAK	B & B	2" CAL	
	STY FRO	1	STYRAX JAPONICUS 'FROSTED EMERALD' / FROSTED EMERALD JAPANESE SNOWBELL	B & B	2" CAL	
	TSU MER	4	TSUGA MERTENSIANA / MOUNTAIN HEMLOCK	B & B	N/A	6' HT.
	CHI TAS	8	X CHITALPA TASHKENTENSIS / CHITALPA	B & B	2" CAL	
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	CONT		
	SODLAW	3,219 SF	SOD LAWN / DROUGHT TOLERANT FESCUE BLEND	N/A		
	TUR HYD	11,227 SF	TURF HYDROSEED / DROUGHT TOLERANT FESCUE BLEND	N/A		

PLANTING NOTES

1. LANDESCAPE DESIGN PER SEQUIM MUNICIPAL CODE SECTION 18.33.050.A.
2. REFER TO SHEET L001 FOR TREE RETENTION.
3. FOR ALL TOPSOIL, THE CONTRACTOR SHALL OBTAIN A LANDSCAPE SOIL ANALYSIS CERTIFYING THAT THE SOIL MEETS THE SOIL SPECIFICATIONS. THE CERTIFICATION SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT AND APPROVED.
4. AN ALL-PURPOSE, ORGANIC FERTILIZER TO BE APPLIED TO ALL PLANTING AREAS AT A RATE PER MANUFACTURERS RECOMMENDATIONS.
5. APPLY 3" DEPTH OF COMPOSTED ORGANIC BARK MULCH IN ALL PLANTING AREAS. MULCH TO BE FREE OF WEED SEED, SAWDUST, AND SHALL NOT CONTAIN ANYTHING DETRIMENTAL TO PLANT GROWTH. PULL MULCH 3" AWAY FROM BASE OF PLANT.
6. ALL PLANT MATERIAL SHALL CONFORM TO ANSI STANDARDS FOR NURSERY STOCK, LATEST EDITION.
7. ALL PLANT MATERIAL SHOULD BE DISEASE FREE AND ARRIVE IN A VIGOROUS GROWING CONDITION.
8. LANDSCAPE ARCHITECT WILL SUPERVISE THE PLANTING PROCESS. MODIFICATIONS TO THE PLANTING PLAN MAY OCCUR BASED ON FIELD CONDITIONS AND THE AVAILABILITY OF PLANT MATERIAL.
9. LOCAL NURSERY STOCK WILL BE USED TO ENSURE THAT THE MATERIAL HAS ACCLIMATED TO LOCAL CONDITIONS (REDUCING PLANTING STRESS) AND IS GENETICALLY COMPARABLE WITH PLANTS IN THE LOCAL AREA.
10. PLANTING AREAS ARE TO BE IRRIGATED. IRRIGATION DESIGN TO BE PROVIDED AT 60% DESIGN.
11. PLANTS SHALL BE INSPECTED PRIOR TO PLANTING TO VERIFY CONFORMANCE WITH PLANTING SIZE AND OTHER REQUIREMENTS.
12. ALL LANDSCAPING SHALL BE WARRANTED FOR A PERIOD OF 1 YEAR AFTER FINAL ACCEPTANCE BY THE OWNER.
13. PRIOR TO THE END OF THE WARRANTY PERIOD, THE LANDSCAPE WILL BE INSPECTED AND DEAD OR UNHEALTHY PLANTS WILL BE REQUIRED TO BE REPLACED WITH SAME SPECIES AND SIZES.

PLANTING AREA SCHEDULE

SITE SCREEN/BUFFER PLANTINGS	22,810 SF		
ARBUTUS UNEDO 'COMPACTA' / DWARF STRAWBERRY TREE	75	5 GAL.	20% @ 96" oc
CORNUS ALBA 'BAILHALO' / IVORY HALO DOGWOOD	75	5 GAL.	20% @ 96" oc
FRAGARIA CHILOENSIS / BEACH STRAWBERRY	1,916	4" POT	99% @ 42" oc
GARRYA ELLIPTICA 'JAMES ROOF' / JAMES ROOF COAST SILK TASSEL	75	5 GAL.	20% @ 96" oc
PHYSOCARPUS OPULIFOLIUS 'DIABOLO' / DIABLO NINEBARK	75	5 GAL.	20% @ 96" oc
ROSA RUGOSA / RUGOSA ROSE	75	5 GAL.	20% @ 96" oc
PARKING LOT PLANTINGS	9,996 SF		
ARCTOSTAPHYLOS X 'JOHN DOURLEY' / JOHN DOURLEY MANZANITA	130	3 GAL	20% @ 48" oc
BACCHARIS MAGELLANICA / CHRISTMAS BUSH	289	4" POT	25% @ 36" oc
DISTYLIUM X 'CINNAMON GIRL' / CINNAMON GIRL DISTYLIUM	231	3 GAL	20% @ 36" oc
FESTUCA GLAUCA 'ELIJAH BLUE' / BLUE FESCUE	1,155	1 GAL.	25% @ 18" oc
MYRTUS COMMUNIS 'COMPACTA VARIEGATA' / VARIEGATED DWARF MYRTLE	333	3 GAL	20% @ 30" oc
PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE' / LITTLE SPIRE RUSSIAN SAGE	520	1 GAL.	20% @ 24" oc
POTENTILLA FRUTICOSA "BAILBRULE" / CREME BRULEE POTENTILLA	520	3 GAL	20% @ 24" oc
ENTRY PLANTINGS	2,356 SF		
BACCHARIS MAGELLANICA / CHRISTMAS BUSH	270	4" POT	99% @ 36" oc
DEUTZIA GRACILIS 'NIKKO' / SLENDER DEUTZIA	59	3 GAL	15% @ 30" oc
FOTHERGILLA X 'BLUE MIST' / DWARF FOTHERGILLA	44	3 GAL	11% @ 30" oc
GARDENIA JASMINOIDES 'KLEIM'S HARDY' / KLEIM'S HARDY GARDENIA	59	3 GAL	15% @ 30" oc
MYRTUS COMMUNIS 'COMPACTA VARIEGATA' / VARIEGATED DWARF MYRTLE	59	3 GAL	15% @ 30" oc
RHODODENDRON AZALEA "PERCY WISEMAN' / PERCY WISEMAN AZALEA	46	3 GAL	30% @ 48" oc
VIBURNUM X 'SPG-3-024' / MOONLIT LACE VIBURNUM	41	3 GAL	15% @ 36" oc
BIORETENTION & RIPARIAN PLANTINGS	10,142 SF		
ACANTHUS MOLLIS / BEAR'S BREECH	118	1 GAL.	10% @ 36" oc
ASTER CHILENSIS / PACIFIC ASTER	264	1 GAL.	10% @ 24" oc
BERGENIA CORDIFOLIA 'WINTERGLUT' / HEARTLEAF BERGENIA	264	1 GAL.	10% @ 24" oc
CAREX OBNUPTA / SLOUGH SEDGE	527	1 GAL.	20% @ 24" oc
ERIGERON SPECIOSUS / SHOWY FLEABANE	264	1 GAL.	10% @ 24" oc
GERANIUM X CANTABRIGIENSE 'BIOKOVO' / BIOKOVO CRANESBILL	937	1 GAL.	20% @ 18" oc
HERNIARIA GLABRA / GREEN CARPET	937	4" POT	20% @ 18" oc
IRIS DOUGLASIANA / DOUGLAS IRIS	937	N/A	20% @ 18" oc
JUNCUS EFFUSUS / COMMON RUSH	527	1 GAL.	20% @ 24" oc
LIRIOPE SPICATA 'SILVER DRAGON' / CREEPING LILY TURF	937	1 GAL.	20% @ 18" oc
ENHANCED MEADOW PLANTINGS	12,482 SF		
ACHILLEA MILLEFOLIUM / COMMON YARROW	692	1 GAL.	12% @ 18" oc
AGASTACHE X 'BLACK ADDER' / BLACK ADDER ANISE HYSSOP	173	1 GAL.	12% @ 36" oc
ALLIUM GIGANTEUM 'GLOBEMASTER' / GIANT ALLIUM	934	N/A	5% @ 10" oc
ARCTOSTAPHYLOS X 'SUNSET' / SUNSET MANZANITA	58	3 GAL	11% @ 60" oc
ECHINACEA PURPUREA / PURPLE CONEFLOWER	692	1 GAL.	12% @ 18" oc
LAVANDULA ANGUSTIFOLIA 'HIDCOTE SUPERIOR' / HIDCOTE SUPERIOR LAVENDER	390	3 GAL	12%
MISCANTHUS SINENSIS 'LITTLE KITTEN' / LITTLE MISS JAPANESE FEATHER GRASS	692	1 GAL	12% @ 18" oc
PENNISETUM ORIENTALE 'HAMELN' / HAMELN FOUNTAIN GRASS	390	1 GAL	12% @ 24" oc
ROSA X 'RADCOR' / RAINBOW KNOCK OUT SHRUB ROSE	173	5 GAL.	12% @ 36" oc
ROCK WATERFEATURE PLANTINGS	3,144 SF		
CHAMAECYPARIS OBTUSA 'LITTLE JOHN' / LITTLE JOHN HINOKI CYPRESS	35	10 GAL.	17% @ 48" oc
IRIS DOUGLASIANA / DOUGLAS IRIS	247	N/A	17% @ 18" oc
JUNCUS EFFUSUS / COMMON RUSH	139	1 GAL.	17% @ 24" oc
PENNISETUM ORIENTALE 'HAMELN' / HAMELN FOUNTAIN GRASS	139	1 GAL	17% @ 24" oc
PINUS MUGO "PUMILIO' / MUGO PINE	35	10 GAL.	17% @ 48" oc
THUJA KORAIENSIS 'GLAUCA PROSTRATA' / GLAUCA PROSTRATA KOREAN ARBORVITAE	55	5 GAL.	15% @ 36" oc

NOTES:
1. A DETAILED PLANTING PLAN WITH SPECIFIC LOCATIONS IDENTIFIED FOR EACH PLANT WILL BE PROVIDED IN CONSTRUCTION DRAWINGS.

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PROJECT # 2018136.01

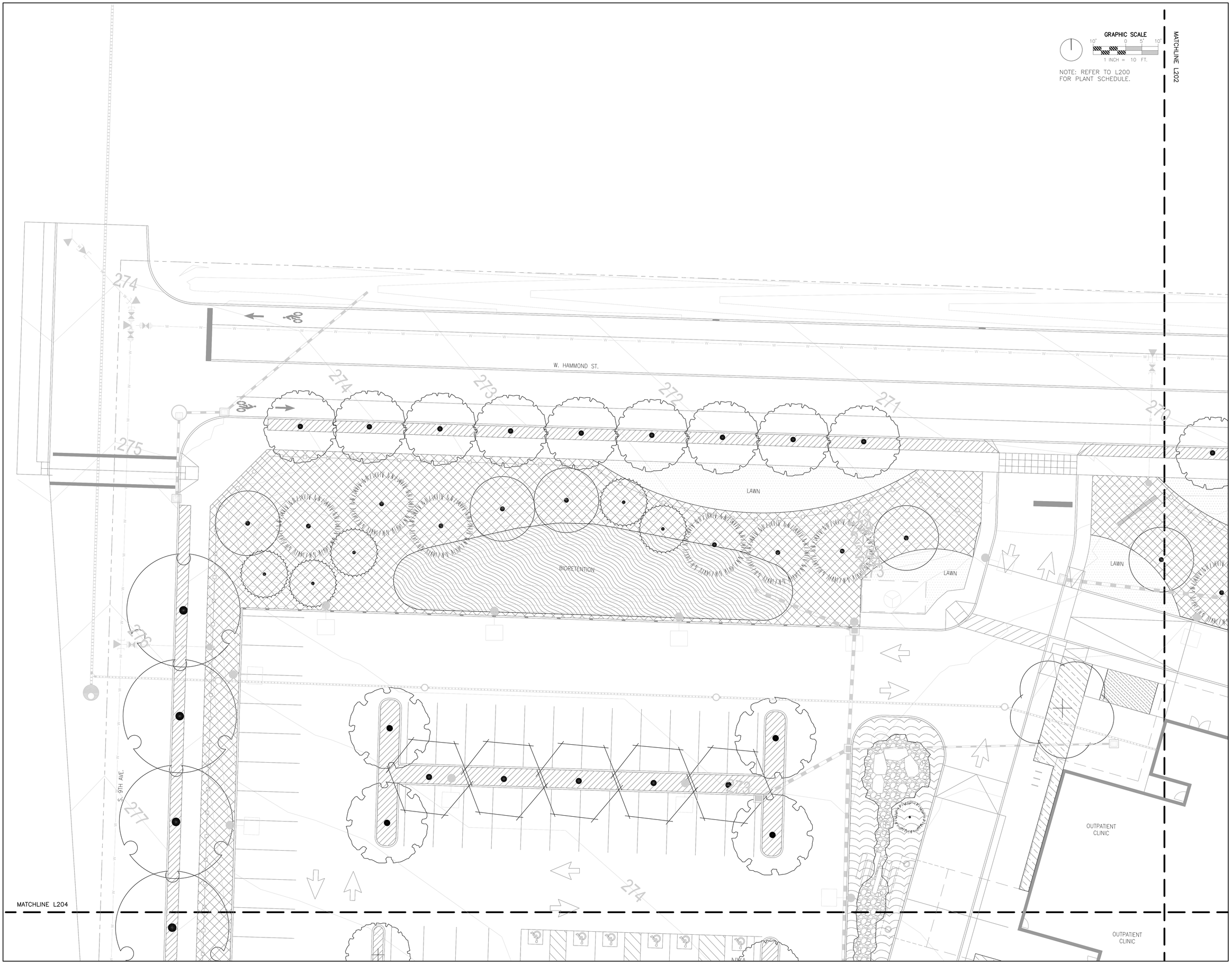
PERMIT SET

ISSUE DATE JANUARY 10, 2020

REVISION SCHEDULE

PLANT SCHEDULE

SHEET #
L200



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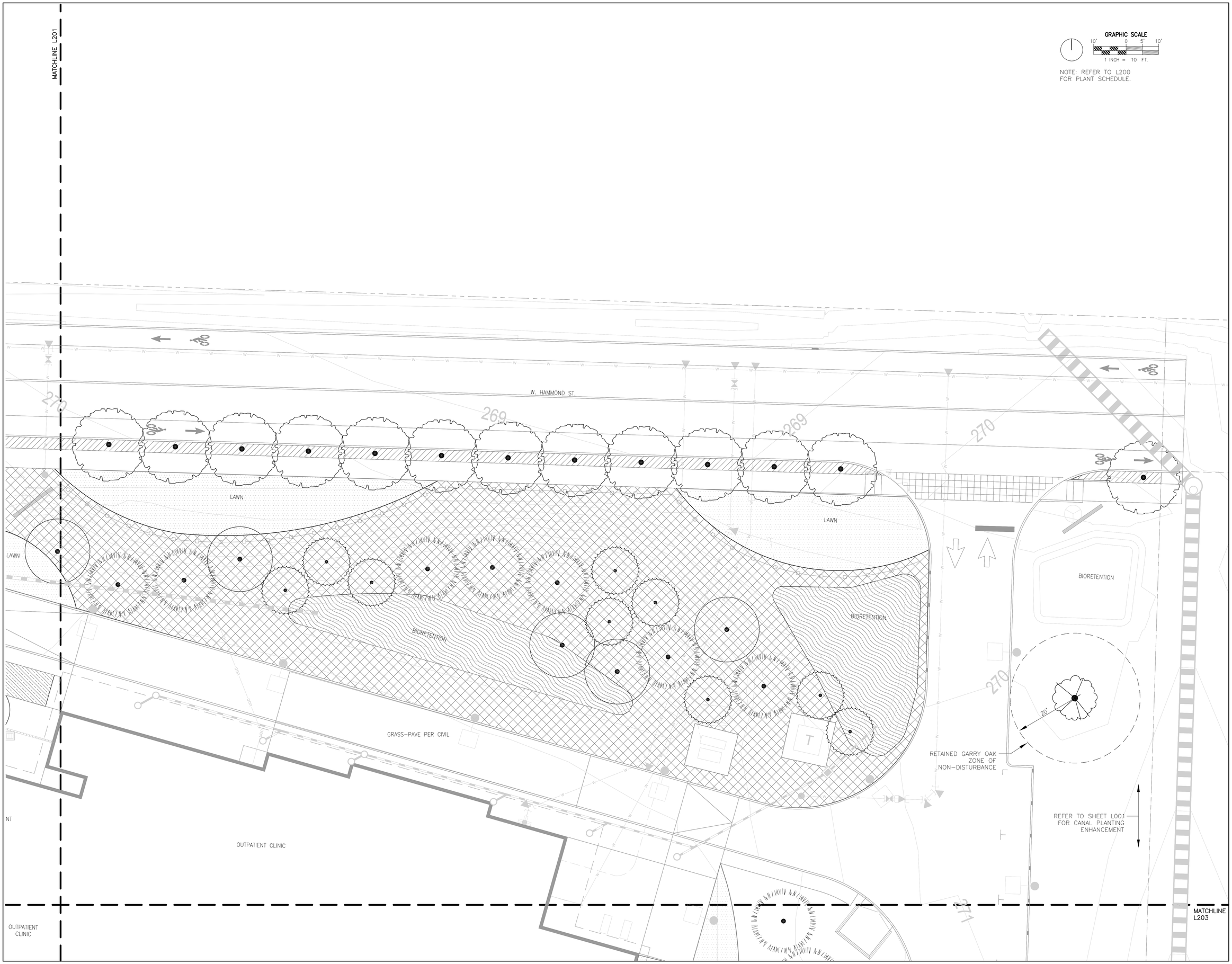
PROJECT #	2018136.01
PERMIT SET	
ISSUE DATE	JANUARY 10, 2020

REVISION SCHEDULE

PLANTING PLAN
NORTHWEST

SCALE: 1"=10' ON 30" X 42" SHEET

SHEET #
L201



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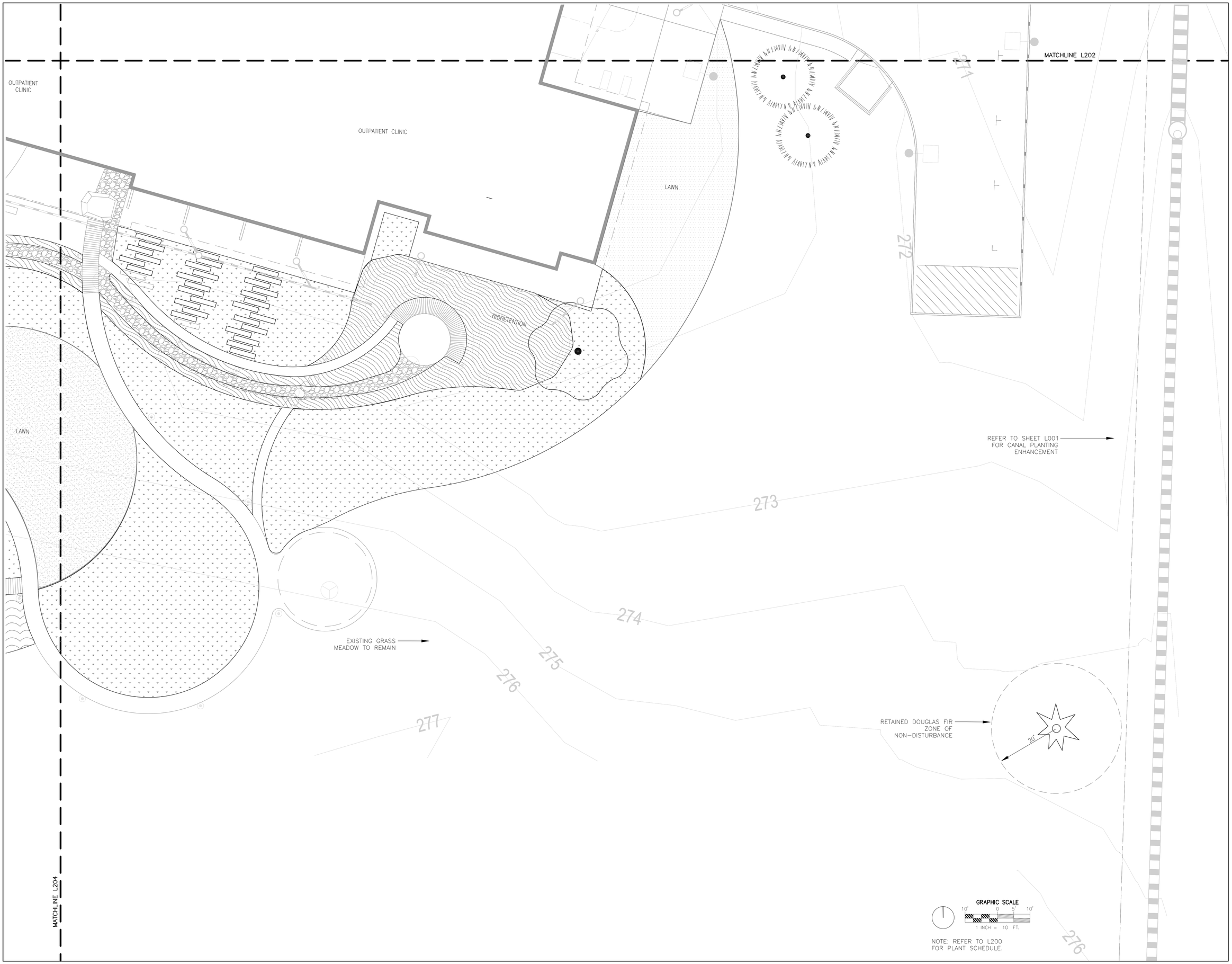
PROJECT #	2018136.01
PERMIT SET	
ISSUE DATE	JANUARY 10, 2020

REVISION SCHEDULE

PLANTING PLAN
NORTHEAST

SCALE: 1"=10' ON 30" X 42" SHEET

SHEET #
L202



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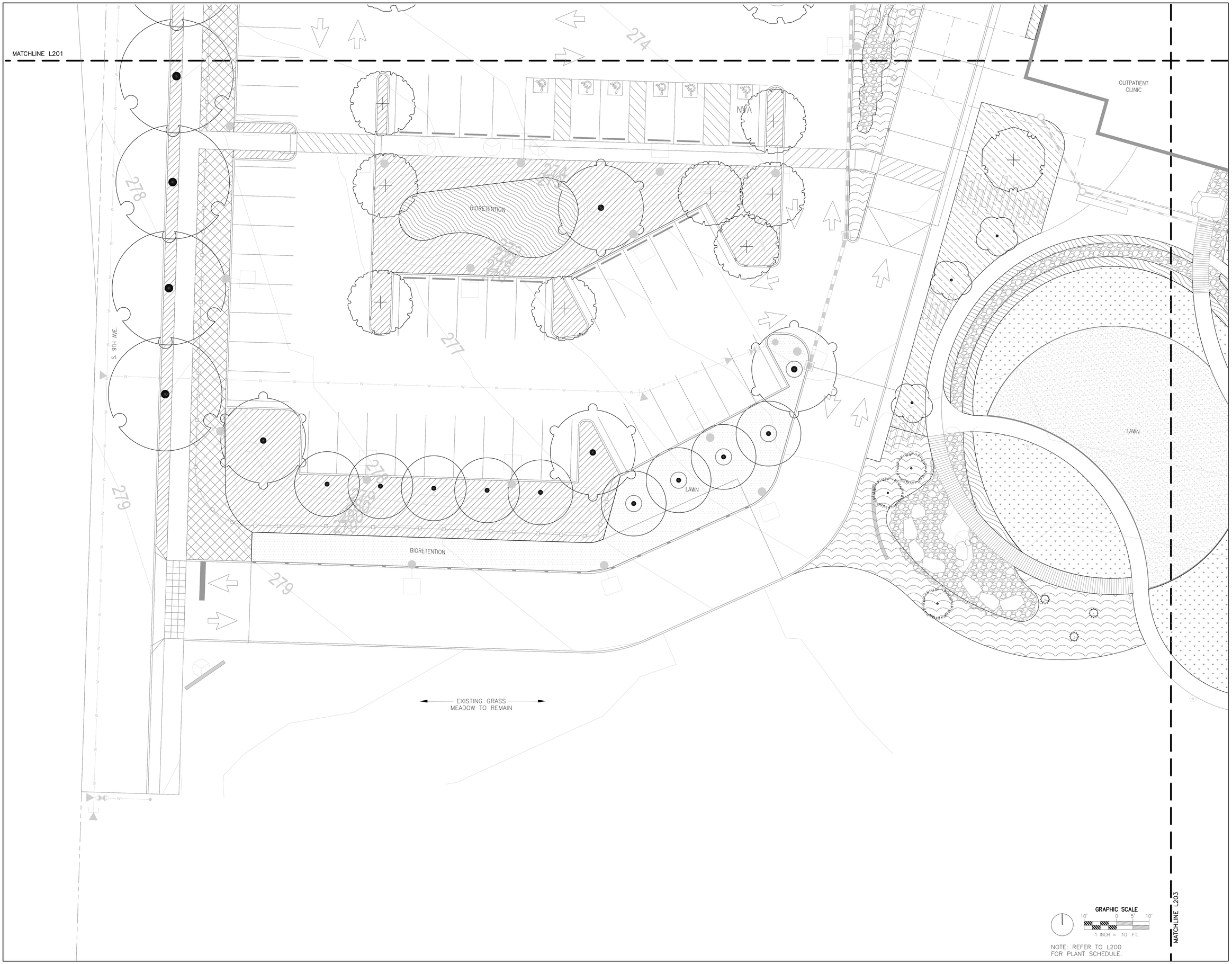
REVISION SCHEDULE

PLANTING PLAN
SOUTHEAST

SCALE: 1"=10' ON 30" X 42" SHEET

SHEET #
L203



GRAPHIC SCALE
10' 0 5' 10'
1 INCH = 10 FT.

NOTE: REFER TO L200 FOR PLANT SCHEDULE.

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REVISION SCHEDULE

PLANTING PLAN
SOUTHWEST

SCALE: 1"=10' ON 30" X 42" SHEET

SHEET #
L204

GENERAL REQUIREMENTS

SUMMARY OF WORK
Project consists of new construction as shown on these Contract Documents used in coordination with the Architectural and other discipline's documents.

DEFINITIONS
The following acronyms are used throughout these structural notes:
IBC - Governing code, including local amendments
SER - Structural Engineer of Record per these Contract Documents
UNO - unless noted otherwise
ASTM - American Society for Testing and Materials

GOVERNING CODE
All design and construction shall conform to the 2015 International Building Code and local jurisdiction amendments.

Reference to ASTM and other standards shall refer to the latest edition designated by IBC Chapter 35. Refer to the specifications for information in addition to that covered by these structural notes and drawings.

DOCUMENTS
Structural Documents shall be used in conjunction with Architectural Documents for all bidding and construction.

Drawings indicate general and typical details of construction. Typical details and general notes shall apply even if not specifically denoted on plans, UNO. Where conditions are not specifically indicated similar details of construction shall be used, subject to review and approval by the Architect and the SER.

These Contract Documents and any materials used in preparation of them, including calculations, are the exclusive property of the SER and can be reproduced only with the permission of the SER.

WARRANTY
The SER has used that degree of care and skill ordinarily exercised under similar circumstances by members of the profession in this locale and no other warranty, either expressed or implied, is made in connection with rendering professional services.

OWNER RESPONSIBILITY
The owner shall retain a Special Inspector to perform the special inspection requirements required by the building official and as outlined in the Special Inspection section below.

DESIGN CRITERIA

BUILDING CATEGORY
Structural Risk Category II
Importance factors for snow and seismic are listed with the loading criteria.

LIVE LOADS - FLOOR AND ROOF
Live loads indicated with * are reducible per IBC
Partition loading has been added per IBC

Office Buildings: See Load maps

LIVE LOADS - SNOW
Numbering below is per IBC Section 1603.1.3:
1. Flat-Roof Snow Load: P_f = 23 psf
2. Snow Exposure Factor: C_e = 1.2
3. Snow Importance Factor: I_s = 1.0
4. Thermal Factor: C_t = 1.1

Additional Items:
Ground Snow Load: P_g = 25 psf
Snow drifting load per IBC w/ ground snow load
Minimum uniform roof snow load = 25 psf

LATERAL LOADS - WIND
Numbering below is per IBC Section 1603.1.4:
1. Ultimate Design Wind Speed (3-second gust): V_{ult} = 130 mph
Nominal Design Wind Speed: V_{asd} = 100 mph
2. Risk Category: II
3. Wind Exposure: C
4. Internal Pressure Coefficient = +/- 0.18
5. Components and Cladding:
The following working loads may be used in lieu of calculations:

Uplift at roof and overhangs, see load maps

Walls (Effective area = 10ft^2)
at field - 18 psf
at corner - 22 psf

Additional Info:
6. Topographic factor: K_{zt} = 1.0
7. Directionality factor: K_d = 0.85
8. Enclosure classification: (partially enclosed, enclosed, open)
9. Gust Effect Factor: G = 0.85
10. Design Base shear: V = xxx kips
11. Analysis procedure: (directional, envelope)

LATERAL LOADS - EARTHQUAKE
Numbering below is per IBC Section 1603.1.5:
1. Risk Category: II
2. Seismic Importance Factor: I_e = 1.0
3. Mapped Spectral Response Acceleration Parameters: S_S = 1.32 g; S_1 = 0.544 g
4. Site Class: C; FA = 1.00; FV = 1.30
5. Design Spectral Response Acceleration Parameters: S_{DS} = 0.88 g; S_{D1} = 0.544 g
6. Seismic Design Category: D
7. Basic Seismic Force-Resisting Systems:
Vertical Elements: Light framed wood wall sheathed with wood structural panels;
Diaphragms: Plywood sheathing;
8. Design Base Shear: 69.115 kips
9. Seismic Response Coefficient: CS = 0.1135
10. Response Modification Coefficient: R = xxx
11. Analysis Procedure: Equivalent Lateral Force Procedure
(Modal Response Spectrum Analysis, Seismic Response History Procedures, Simplified Design Procedure)

Additional Items:
Building Location: 48.073005° N, 123.971425° W
Building Height =23 feet
Redundancy Factors:
North/South Direction = 1.0
East/West Direction = 1.0

CONTRACTOR PERFORMANCE REQUIREMENTS

DESIGN DOCUMENTS
Contractor shall verify all dimensions and all conditions at the job site, including building and site conditions before commencing work, and be responsible for same. All discrepancies shall be reported to the Architect before proceeding with work. Any errors, ambiguities and/or omissions in the contract documents shall be reported to the Architect immediately, in writing. No work is to be started before correction is made.

Contractor shall verify and/or coordinate all dimensioned openings and slab edges shown on the contract documents. Some dimensions, openings and embedded items are shown on the structural drawings. Others may be required. Refer to architectural drawings for size and location of curbs, equipment pads, wall and floor openings, architectural treatment, embeds required for architectural items and dimensions. Refer to mechanical, plumbing, electrical and fire protection drawings for size and location of all openings for ducts, piping, conduits, etc. Submit openings to Architect for review.

Do not scale drawings. Use only field verified dimensions. When electronic plan files are provided for the Contractor's detailing convenience, it shall be noted that the electronic files are not guaranteed to be dimensionally accurate. The Contractor uses them at their own risk. The published paper documents are the controlling Contract Documents. Electronic files of detail sheets and notes will not be provided.

CONTRACTOR-INITIATED CHANGES
Contractor-initiated changes shall be submitted in writing to the Architect for review and acceptance prior to fabrication or construction. Changes shown on shop drawings only will not satisfy this requirement.

INSPECTIONS
The Contractor shall coordinate with the building department for all building department required inspections.

CONTRACTOR PERFORMANCE REQUIREMENTS

TEMPORARY SHORING AND BRACING
The Contractor shall provide temporary bracing as required until all permanent connections and stiffening have been installed. The Contractor is responsible for the strength and stability of all partially completed structures including but not limited to concrete or masonry walls, steel framing and erection aids. The Contractor shall, at their discretion, employ the aid of a licensed Structural Engineer to design all temporary bracing and shoring necessary to complete the work described in these contract documents. The Contractor shall be responsible for all required safety standards, safety precautions and the methods, techniques, sequences or procedures required in performing their work. For concrete construction refer to ACI 318 - Section 26.11.2 "Removal of Formwork".

SAFETY PROCEDURES
Contractor shall be responsible for all safety precautions and the methods, techniques, sequences or procedures required to perform the contractor's work. The Structural Engineer has no overall supervisory authority or actual and/or direct responsibility for the specific working conditions at the site and/or for any hazards resulting from the actions of any trade contractor. The Structural Engineer has no duty to inspect, supervise, note, correct, or report any health or safety deficiencies to the Owner, Contractors, or other entities or persons at the project site.

BUILDING MOVEMENT

All non-structural wall connections shall account for construction tolerances, column shortening and beam deflections. In addition, all design components shall accommodate a typical vertical movement at each floor of 3/4" due to variable live loading. This displacement will occur at the free end of cantilever beams and at midspan of simple span beams. Non-structural walls shall accommodate typical lateral movements of 1/2" between adjacent floors perpendicular and/or parallel to the wall.

Wall attachments shall not apply any lateral loads to the bottom flange of beams. If attachment is made to the bottom of beams, additional inclined struts bracing the bottom flange or other equivalent means to counteract this force shall be provided by the Contractor.

SHOP DRAWINGS AND SUBMITTALS

SHOP DRAWING & SUBMITTAL REVIEW (including Deferred Structural Components)
The contractor must review and stamp the shop drawings & submittals for review. SER will only review submittals for items shown on SER documents. Submittals for Deferred Structural Components will receive cursory review by SER for loads imposed on primary structure. SER will review shop drawings for general conformance with design concept of the project and general compliance with the information given in the Structural Contract Documents. Review of submittals does not constitute approval or acceptance of unauthorized deviation from Contract Documents.

Corrections or comments made on shop drawings during this review do not relieve Contractor from compliance with the requirements of the plans and specifications.

Contractor responsible for:
- Reviewing, approving, stamping and signing submittals prior to submittal to Architect and SER
- Timing submittals to allow two weeks of review time for the SER and time for corrections and/or resubmittal
- Conformance to requirements of the Contract Documents
- Dimensions and quantities
- Verifying information to be confirmed or coordinated
- Information solely for fabrication, safety, means, methods, techniques and sequences of construction
- Coordination of all trades

Resubmittals shall be clouded and dated for all changes to the submittal. Only clouded portions of resubmittal will be reviewed and SER's review stamp applies to only these areas.

SUBSTITUTIONS
Substitutions shall be submitted in writing prior to submittal of shop drawings. Shop drawings bearing substitutions will be rejected. Submit engineering data to substantiate the equivalence of the proposed items. The SER's basic services contract does not include review of substitutions that require re-engineering of the item or adjacent structure. Nor does the SER's contract cover excessive review of proposed substitutions. The fees for making these reviews and/or redesign shall be paid by the Contractor. Reviews and approvals shall not be made until authorization is received.

SUBMITTALS
Shop drawings and material submittals shall be submitted to the Architect and SER prior to any fabrication or construction for the following structural items. Submittals shall include one reproducible and one copy; reproducible will be marked and returned. If deviations, discrepancies, or conflicts between shop drawings submittals and the contract documents are discovered either prior to or after shop drawing submittals are processed by the SER, the Contract Documents control and shall be followed.

- Construction sequence description
- Contractor quality control testing procedures when required in specifications
- Concrete mix designs
- Concrete construction joint plans
- Concrete accessories material specification, size and location
- Reinforcing bar shop drawings and placing plans
- Reinforcing bar mill certificates shall be available upon request
- Masonry materials and mix designs
- Glued laminated members (certificates shall be on site and be available upon request)
- Engineered wood beams (certificates shall be on site and be available upon request)
- Deferred Structural Components listed below

DEFERRED STRUCTURAL COMPONENTS
Components referred to as Deferred Structural Components shall comply with these notes. These elements have not been permitted under the base building application. The Contractor will be required to submit the component system documents to the building official for approval. The documents shall be stamped and signed by an engineer licensed by the state where the project is located. The deferred structural components shall not be installed until the design and submittal documents have been approved by the building official.

Prior to building department submittal, the deferred structural components submittals shall receive cursory review by SER for loads imposed on primary structure and general conformance with design concept of the project and general compliance with the information given in the Structural Contract Documents. Review of submittals does not constitute approval or acceptance of unauthorized deviation from Contract Documents. Submittals of contractor-designed components shall include the designing professional engineer's stamp and signature, as noted above. The submittal shall be approved by the component vendor prior to review by the SER. The designing professional is responsible for code conformance and all necessary connections not specifically called out on architectural or structural contract documents.

Submittals shall include details of connections to primary structure that indicate magnitude and direction of all loads imposed at point of connection. Design criteria shall be provided with submittal and calculations shall be made available upon request.

The following list includes the items that are defined as Deferred Structural Components. Refer to other discipline's contract documents for additional deferred components that may require structural design and details. Connections of these elements shall not induce torsion on structural members. Deferred Structural Components shall be manufactured, delivered, handled, stored, and field erected in conformance with instructions prepared by the component vendor.

Deferred structural components:
- Exterior wall system support
- Open web wood joists
- Handrails, guards, grab bars, and wall mounted shower seats
- Fall-restraint systems

INSPECTIONS

INSPECTIONS BY BUILDING OFFICIAL
The building official, upon notification, shall make structural inspections as required by local ordinance. The inspection by the building official per IBC Section 110 will be separate from and in addition to the special inspection and structural observation mentioned subsequently.

SPECIAL INSPECTIONS
A Special Inspector shall be hired by the owner to perform the following special inspections per IBC Section 1704. See the specifications for additional requirements for special inspection and testing. The architect, structural engineer, and building department shall be furnished with copies of all inspection reports and test results.

Each contractor responsible for the construction of a seismic force resisting system, designated seismic system, or component listed in the statement of special inspections shall submit a written statement of responsibility to the building official and the owner prior to the commencement of work on the system or component. The written statement shall be in accordance with IBC Section 1704.4.

See IBC Chapter 17: "Special Inspections and Tests" for more detailed requirements.

SPECIAL INSPECTIONS OF ARCHITECTURAL COMPONENTS (PER IBC 1705.10.3, 1705.11.5 & 1705.11.7)

Verification and Inspection	Frequency: Continuous	Frequency: Periodic	Reference
1. ROOF AND WALL CLADDING		X	IBC 1705.11.3.1
2. ERECTION AND FASTENING OF EXTERIOR CLADDING OR INTERIOR AND EXTERIOR VENEERS.		X	IBC 1705.12.5
3. ERECTION AND FASTENING OF INTERIOR AND EXTERIOR NON-BEARING WALLS.		X	IBC 1705.12.5

SPECIAL INSPECTIONS OF MECHANICAL & ELECTRICAL COMPONENTS (PER IBC 1705.11.4, 1705.11.6 & 1705.12.3)

Verification and Inspection	Frequency: Continuous	Frequency: Periodic	Reference
1. ANCHORAGE OF EMERGENCY OR STANDBY POWER SYSTEMS.		X	IBC 1705.12.6.1
2. ANCHORAGE OF ELECTRICAL EQUIPMENT NOT PART OF EMERGENCY OR STANDBY POWER SYSTEMS.		X	IBC 1705.12.6.2

SPECIAL INSPECTIONS AND TESTS OF SOILS (PER IBC 1705.6)

Verification and Inspection	Frequency: Continuous	Frequency: Periodic	Reference
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X	
2. VERIFY THAT EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS		X	
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X		
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X	

SPECIAL INSPECTIONS OF WOOD CONSTRUCTION (PER IBC 1705.5 AND 1705.12.2)

Verification and Inspection	Frequency: Continuous	Frequency: Periodic	Reference
MOISTURE CONTENT OF WOOD-FRAMED CONSTRUCTION AT TIME OF COVER		X	REFER TO GENERAL NOTES
NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS (SPACED 4" OC OR CLOSER) WITHIN THE SEISMIC FORCE RESISTING SYSTEM, INCLUDING DRAG STRUTS, BRACES, HOLDOWNS, SHEAR WALLS, AND DIAPHRAGMS		X	1705.12.2.2 1705.5.1
FIELD GLUING OPERATIONS OF ELEMENTS WITHIN THE SEISMIC, FORCE RESISTING SYSTEM	X		1705.12.2.1

SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION (PER IBC 1705.3)

Verification and Inspection	Frequency: Continuous	Frequency: Periodic	Reference
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT		X	IBC 1908.4 ACI 318: 20, 25.2, 25.3, 26.6.1-3
2. INSPECTION OF ANCHORS CAST IN CONCRETE		X	ACI 318: 17.8.2
3. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:			
a. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4a		X	ACI 318: 17.8.2
4. VERIFYING USE OF REQUIRED DESIGN MIX		X	IBC 1904.1, 1904.2, 1908.2, 1908.3, ACI 318: CH. 19, 26.4.3, 26.4.4
5. PRIOR TO CONCRETE PLACEMENT FABRICATE, SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X		IBC 1908.10 ACI 318: 26.4, 26.12 ASTM C172, C31 SEATTLE DCI DR 14-2014
6. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X		IBC 1908.6, 1908.7, 1908.8 ACI 318: 26.5
7. VERIFY MAINTENANCE OF SPECIFIED CURRING TEMPERATURE AND TECHNIQUES		X	IBC 1908.9 ACI 318: 26.5.3-26.5.5
8. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE BEING FORMED		X	ACI 318: 26.11.1.2(b)

INSPECTIONS (continued)

SPECIAL INSPECTIONS OF MASONRY CONSTRUCTION, LEVEL B (PER IBC 1705.4)

Verification and Inspection	Frequency: Continuous	Frequency: Periodic	Reference
VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE FOR SELF-CONSOLIDATING GROUT.	X		TMS 602: TB4, 1.5B.1.b.3
VERIFICATION OF f'm AND f'aac PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE CODE.		X	TMS 602: TB4, 1.4B
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS		X	TMS 602: 1.5
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
a. PROPORTIONS OF SITE-PREPARED MORTAR		X	TMS 602: 2.1, 2.6A
b. CONSTRUCTION OF MORTAR JOINTS		X	TMS 602: 3.3B
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
a. GROUT SPACE		X	TMS 602: 3.2D, 3.2F
c. CONSTRUCTION OF MORTAR JOINTS		X	TMS 602: 3.3B
4. VERIFY DURING CONSTRUCTION:			
a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS		X	TMS 602: 3.3F
b. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION		X	TMS 402: 1.16.4.3, 1.17.1
c. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)		X	TMS 602: 1.8C, 1.8D
5 OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS		X	TMS 602: 1.4B.2.a.3, 1.4B.2.b.3, 1.4B.2.c.3, 1.4B.3, 1.4B.4

SPECIAL INSPECTIONS OF STRUCTURAL STEEL CONSTRUCTION OTHER THAN SEISMIC LATERAL FORCE RESISTING SYSTEMS (PER IBC 1705.2.1)

Verification and Inspection	Frequency: Continuous	Frequency: Periodic	Reference
INSPECTION OF FABRICATOR'S QUALITY CONTROL PROCEDURES		X	IBC 1704.2.5 AISC 360-N.2
REVIEW OF MATERIAL TEST REPORTS AND CERTIFICATIONS LISTED IN AISC SECTION N3.2	X		AISC 360-N.5.2
INSPECTION OF WELDING STRUCTURAL STEEL:	PER AISC 360 TABLES N5.4-1, -2, -3		AISC 360-N.5.4 AISC 360-N.5.5 AWS D1.1
NONDESTRUCTIVE TESTING OF WELDED JOINTS	PER AISC 360 N5.5		AISC 360-N5.5 AWS D1.1
INSPECTION OF HIGH-STRENGTH BOLTING	PER AISC 360 TABLES N5.6-1, -2, -3		AISC 360-N.5.6
INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONTSTRUCTION DOCUMENTS		X	AISC 360-N.5.7
INSPECTION DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL...	X		AISC 360-N.5.7

SPECIAL INSPECTIONS OF MASONRY CONSTRUCTION, LEVEL B (PER IBC 1705.4)

Verification and Inspection	Frequency: Continuous	Frequency: Periodic	Reference
VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE FOR SELF-CONSOLIDATING GROUT.	X		TMS 602: TB4, 1.5B.1.b.3
VERIFICATION OF f'm PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE CODE.		X	TMS 602: TB4, 1.4B
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS		X	TMS 602: 1.5
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
a. PROPORTIONS OF SITE-PREPARED MORTAR		X	TMS 602: 2.1, 2.6A
b. CONSTRUCTION OF MORTAR JOINTS		X	TMS 602: 3.3B
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
a. GROUT SPACE		X	TMS 602: 3.2D, 3.2F
b. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS.		X	TMS 402: 1.16 TMS 602: 2.4, 3.4
c. PLACEMENT OF REINFORCEMENT, CONNECTORS.		X	TMS 402: 1.16 TMS 602: 3.2E, 3.4, 3.6A
e. CONSTRUCTION OF MORTAR JOINTS		X	TMS 602: 3.3B
4. VERIFY DURING CONSTRUCTION:			
a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS		X	TMS 602: 3.3F
b. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION		X	TMS 402: 1.16.4.3, 1.17.1
d. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)		X	TMS 602: 1.8C, 1.8D
5 OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS		X	TMS 602: 1.4B.2.a.3, 1.4B.2.b.3, 1.4B.2.c.3, 1.4B.3, 1.4B.4

GEOTECHNICAL

REPORT & GENERAL CRITERIA
Criteria outlined in the report listed below was used for the design of the foundations:
XXX
prepared by XXX(DATE)

Contractor shall be familiar with recommendations in the above-mentioned report prior to start of construction. Allowable soil pressure and lateral earth pressure are assumed and therefore must be verified by a Geotechnical Inspector or the building official. If soils are found to be other than assumed, notify the Structural Engineer for possible foundation redesign. For wet weather work, see the Geotechnical Report.

Unless noted otherwise, footings shall be centered below columns or walls.

INSPECTIONS
All prepared soil-bearing surfaces shall be inspected by the owners Geotechnical Inspector (or building official) prior to placement of reinforcing steel and concrete. Inspections shall be made per IBC Table 1705.6.

BEARING VALUES
All footings shall bear on undisturbed soil and shall be lowered to firm bearing if suitable soil is not found at elevations shown. Exterior footings shall bear a minimum of 18" below the finished ground surface. Footing elevations shown on plans (or in details) are minimum depths and for guidance only; the actual elevations of footings must be established by the Contractor in the field working with the Geotechnical Inspector.

Allowable vertical bearing soil pressure = XXX psf
Allowable lateral bearing soil pressure = XXX psf

SUBGRADE PREPARATION.
Prepare subgrade per the Geotechnical Report, summarized as follows: All footings shall be cast on undisturbed firm natural soils that are free of organic materials. Footing excavation shall be free of loose soils, sloughs, debris and free of water at all times. If organic silt and/or fill material is encountered at subgrade elevations, overexcavate a minimum of 2'-0" below the design foundation subgrade elevation prior to placing footings. The overexcavated areas shall be backfilled with structural fill compacted to 95% proctor per ASTM D-1557 or a lean concrete mix.

EXISTING UTILITIES
The Contractor shall determine the location of all adjacent underground utilities prior to any excavation, shoring, pile driving, or pier drilling. Any utility information shown on the plans and details are approximate and not verified by the SER. Contractor is to provide protection of any utilities or underground structures during construction.

DRAINAGE
Drainage systems, including foundation, roof and surface drains, shall be installed as directed by the Geotechnical Report. Vapor retarder placed below slab-on-grade shall conform to ASTM E 1643 and ASTM E 745.

RETAINING WALLS
Grade on either side of concrete walls shall not vary by more than 12", UNO. Slope of backfill shall not exceed 2H to 1V, UNO. Backfill behind all retaining walls with free draining, granular fill installed per the Geotechnical Report. Provide for subsurface drainage. Design pressures used for the design of retaining walls are based on drained conditions.

Active earth pressure (restrained/unrestrained) = XXX/XXX PCF
Passive earth pressure = XXX PCF
Coefficient of friction (factor of safety of 1.5 included) = XXX

Provide temporary shoring for tops of walls if backfill is placed prior to the supporting structure being constructed. Supporting structure is the floor framing and sheathing completely installed and attached to perpendicular walls.

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PROJECT # 19-161-01
PERMIT SET
ISSUE DATE JANUARY 10, 2020
REVISION SCHEDULE

STRUCTURAL GENERAL NOTES

SHEET #
S00.01

CONCRETE

CAST-IN-PLACE CONCRETE
Concrete materials shall conform to the following:

Portland cement:	Type 1, ASTM C150
Fly ash (if used):	ASTM C618 class F or C
Slag cement (if used):	ASTM C989
Lightweight aggregates:	lightweight aggregates shall not be used without prior approval of SER and building department
Normal weight aggregates:	ASTM C33
Sand equivalent:	ASTM C33
Water:	Potable per ASTM C94
Air entraining admixtures:	ASTM C260
Chemical admixtures:	ASTM C494
Flowable concrete admixtures:	ASTM C1017

Durability requirements of concrete mixes shall conform to building code. These requirements include water-cementitious material ratios, minimum compressive strengths, air entrainment, type of cement, and maximum chloride ion content.

CONCRETE STRENGTH REQUIREMENTS TABLE

Location	Strength f'c (psi)	Max Agg Size	Max W/C Ratio	Total Air Content	Fly Ash Content	Exposure Categories and Classes			
						F	S	P	C
LEAN MIX SOIL REPLACEMENT UNDER FOUNDATIONS	1,500	SAND	1.5 SACK CEMENT	-	-	F1	S0	P0	C1
FOUNDATIONS, GRADE BEAMS, STEM WALLS	4,500	1"	0.44	4.5%	15-20%	F1	S0	P0	C1
SLAB ON GRADE, TOPPING SLAB, STAIR TREAD (INTERIOR)	3,000	3/4"	0.44	1%	-	F0	S0	P0	C0

* 28-DAY CONCRETE STRENGTH
^ 3-DAY CONCRETE STRENGTH

CONCRETE MIXTURES
Mixes shall be proportioned to meet compliance requirements of ACI 318 Section 26.4.3. Slump, W/C ratio, admixtures and aggregate size will be determined by the contractor. Submit documentation of concrete mixture characteristics for review by the SER before the mixture is used and before making changes to mixtures already in use. Documentation shall comply with ACI 318 Section 26.4.4 or City of Seattle Director's Rule 11-2014.

All concrete, including slab on grade, shall contain an acceptable water-reducing admixture conforming to ASTM C494 and be used in strict accordance with the manufacturer's recommendations.

All concrete which is exposed to freezing and thawing in a moist condition or exposed to deicing chemicals shall contain an air entraining agent, conforming to ASTM C260. Total air content shall be adjusted per ACI 318 for mix designs with smaller nominal aggregate size. The amount of entrained air shall be measured at the discharge end of the placing nozzle. Entrained air shall be as noted ± 1.0% by volume. Air-entrainment shall not be used at slabs that will receive a smooth, dense, hard-troweled finish.

Trucks hauling plant-mixed concrete shall arrive on-site with a field ticket indicating the maximum gallons of water that can be added at the site not to exceed the total water content in the approved mix design.

Concrete shall be deposited as nearly as practicable in its final position to avoid segregation due to rehandling or flowing. Concrete shall be thoroughly consolidated by suitable means during placement and shall be thoroughly worked around reinforcement, embedded items, and into corners of forms.

FORMWORK AND ACCESSORIES
Concrete construction shall conform to ACI 301 "Specifications for Structural Concrete" and the Building Code, including testing procedures. See specifications and/or architectural documents for formwork requirements. Installation shall adhere to ACI 301. Conduits and pipes of aluminum shall not be embedded in concrete construction.

See architectural drawings for exact locations and dimensions of door and window openings in all concrete walls. See mechanical drawings for size and location of mechanical openings through concrete walls. See architectural drawings for all grooves, notches, chamfers, feature strips, color, texture, and other finish details at all exposed concrete surfaces, both cast-in-place and precast. See structural details for reinforcing around openings.

Contractor shall submit the proposed locations of construction joints to the Architect for acceptance before starting construction. Erico Lenton Formasaver (IAPMO-UES-ER-0129) may be used as an alternate to the roughened joint. All construction, control, and isolation joints for slabs on ground shall be in accordance with the typical details.

Concrete accessories and embedded items shall be coordinated with Architectural and all other Contract Documents and suppliers' drawings before placing concrete. Wet-setting of anchor rods, reinforcing, hardware, etc. is not allowed in concrete. Anchor rods, reinforcing, hardware, etc. shall be firmly tied in place prior to concrete placement.

Refer to Architectural documents for waterstops, damp proofing, and soil retaining wall drainage requirements at concrete and at concrete joints (construction joints, slab to wall joints, curb to slab joints, etc).

CURING AND FINISHES
Protect and cure freshly placed concrete per ACI 305.1 in hot conditions, ACI 306.1 in cold conditions, and ACI 308.1 " Specification for Curing Concrete". All exposed edges and corners shall have 3/4" chamfer, UNO. Concrete flatwork shall be sloped to provide positive drainage. Coordinate finish with architectural contract documents.

At the time of application of finish materials or special treatment to concrete, moisture content of concrete shall conform to requirements in finish material specifications. Where vapor sensitive coverings are to be placed on slabs on grade, conform strictly to slab covering manufacturer's recommendations regarding vapor retarder and granular fill requirements below the slab.

CONCRETE CRACK MAINTENANCE
Cracking occurs in concrete structures due to inherent shrinkage, creep, and the restraining effects of walls and other structural elements. Most cracking due to shrinkage and creep will likely occur over the first two years of the life of the structure; further concrete movement due to variations in temperature may persist. Cracks that result in water penetration will need to be repaired to protect reinforcing. Other cracking may be repaired at the owner's discretion for aesthetical reasons or performance of applied finishes. Prior to repairing cracks, a structural engineer should be consulted to provide direction on which cracks to repair and on whether observed cracks may affect the strength of the structure.

MASONRY

CONCRETE MASONRY UNIT WALLS
Concrete masonry unit walls shall be constructed of normal weight units, conforming to ASTM C90, laid in a running bond.

Mortar shall be Type S per IBC 2103.2 Grout shall conform to IBC 2103.3 and ASTM C476 requirements and attain a minimum compressive strength of 2,000 psi at 28 days, design F'm = 2,000 psi. Full stresses are required.

Strength shall be verified by prism testing in accordance with IBC Section 2108. Masonry units shall be chosen in accordance with TMS 602 Table 2.

All preparation and placing of masonry shall conform to Section 2104 of the IBC.

REINFORCEMENT IN CONCRETE AND MASONRY

REINFORCING STEEL
Reinforcing steel shall conform to ASTM A615 (including supplement S1), Grade 60, Fy = 60,000 psi, except any bars specifically so noted on the drawings shall be Grade 40, Fy = 40,000 psi.

PROCEDURES
Reinforcing steel shall be detailed (including hooks and bends) in accordance with ACI 315 "Details and Detailing of Concrete Reinforcement". Lap all reinforcement in accordance with "The Reinforcing Splice and Development Length Schedule" on these documents. If table is not provided, lap all reinforcing by 40 bar diameters. Provide corner bars at all wall and footing intersections.

Reinforcing steel shall be adequately supported to prevent displacement during concrete and grout placement. Bars shall be bent cold.

Bars partially embedded in concrete shall not be field bent, unless specifically so detailed or approved by the SER.

Mechanical connection of continuous reinforcing bar shall be used where shown on documents and may be substituted for lap splices if approved by the SER. Such connections shall develop at least 125% of the specified yield strength of the bar. Acceptable connectors shall be the Erico Lenton Plus Standard Coupler (ER-3967), Dayton Superior Bar-Lock L Series (ER-5064), or approved equal.

Welding or tack welding of reinforcing bars to other bars or to plates, angles, etc, is prohibited, except where specifically approved by the SER. Where welding is approved, it shall be done by AWS/WABO-certified welders using E9018 or approved electrodes. Welding procedures shall conform to the requirements of AWS D1.4. Any Grade 60 reinforcing bars indicated on drawings to be welded shall conform to ASTM A706. Reinforcement complying with ASTM A615 (S1) may be welded only if material property reports indicating conformance with welding procedures specified in AWS D1.4 are submitted. Welding within 4" of cold bends in reinforcing steel is not permitted.

ANCHORAGE

Post-installed anchors shall not be installed without prior approval of engineer of record unless noted otherwise on the plans.

ADHESIVE ANCHORS
Adhesive anchors (threaded rods or reinforcing bar) specified on the drawings shall be installed using "HIT-HY 200" as manufactured by the Hilti Corporation. Install in strict accordance with ICC Report No. ESR-3187. Rods shall be ASTM F1554 Gr.55, unless noted otherwise. Special inspection of installation is required.

WOOD

MATERIAL CRITERIA
Framing lumber shall be kiln dried or MC-19 (unless more stringent criteria are required in these notes or on the drawings) and graded and marked in conformance with the latest WCLIB "Standard Grading Rules No. 17 for West Coast Lumber". Furnish to the following minimum standards:

WOOD STANDARDS

Member	Grade	Moisture Content
4x BEAMS & POSTS, 6x POSTS	DF #2	MC19
4x TREATED BEAMS & POSTS, AND 6x TREATED POSTS	DF #2	MC19
2x JOISTS, RAFTERS, BUILT-UP BEAMS, AND HEADERS	DF #2	MC19
2x, 3x FLATWISE & EDGEWISE BLOCKING	DF STANDARD	MC19
3x NAILERS ON STEEL BEAMS	DF #2	MC19
2x4 AND 2x6 STUDS	DF #2	MC19
3x STUDS	DF #2	MC19
2x4 PLATES	DF STANDARD	KD15
2x6 PLATES	DF #2	KD15
2x, 3x, AND 4x TREATED PLATES, LEDGERS	DF #2	KD15
TONGUE AND GROOVE DECKING (NON-VISUAL)	DF UTILTY/ #3 COMMERICAL DED	MC19
TONGUE AND GROOVE DECKING (EXPOSED)	DF #2	MC19
TONGUE AND GROOVE DECKING (UPPER END EXPOSED)	DF SELECT DEX	MC19
ROUND TIMBER	PACIFIC COAST DF	MC19

MOISTURE CONTENT AND CARE OF MATERIAL DURING CONSTRUCTION
All 2x studs and plates shall be kiln dried. The Contractor shall take measures to minimize exposure of sawn lumber and engineered wood products to moisture during construction. Excessive changes in moisture content during construction may result in swelling and shrinkage of a single story level in the magnitude of 1/2". This may create problems where multi-story wood construction joins multi-story concrete wall construction. All wood framed construction shall have maximum moisture content not to exceed 10% at time of fur-out, which shall be verified by a testing agency hired by the Owner. These test results shall be submitted to the Architect and Structural Engineer of Record for review prior to installation and interior drywall installation is performed. In addition, pre-loading the entire wood building with the interior drywall while the building is being dried out is recommended before wood ledgers are attached to concrete shear walls.

Wood joists and beams supporting topping slabs or subjected to construction loading shall have a maximum live load deflection of l/600. The contractor shall be responsible for ensuring that the moisture content of wood members supporting concrete or construction loads is, and remains, at 10% or less. Wood framing with higher moisture contents before, or during, the placement of topping slabs or subjected to construction loading are subject to excessive creep. Contractor to provide means to maintain the moisture content as required to prevent creep.

VERTICAL SHRINKAGE
Allow for 1/2" of wood shrinkage/compression at each level (including foundation). Values are cumulative for the height of the building. Building systems such as mechanical, electrical, plumbing, fire sprinklers, etc. shall have flexible components that account for the potential wood shrinkage/compression. Architectural finishes shall also account for the potential wood shrinkage/compression.

TREATED WOOD
All wood framing in direct contact with concrete or masonry, exposed to weather, or that rest on exterior foundation walls and are located within 8" of earth, shall be pressure-treated with an approved preservative per IBC section 2303.1.9. Cut or drilled sections of treated material shall be treated with an approved preservative per IBC section 2303.1.9. See IBC section 2304.12 for additional requirements.

GLU-LAMINATED MATERIAL
Glu laminated members shall be fabricated in conformance with ANSI/AITC A190.1 AND ASTM D3737, Stress Class 24F-1.8E. Each member shall bear an AITC identification mark and shall be accompanied by an AITC certificate of conformance. All simple span beams shall be douglas fir combination 24F-V4, fb = 2,400 psi, fv =265 psi and all cantilevered beams and columns shall be Douglas fir combination 24F-V8, fb = 2,400 psi, fv = 265 psi unless noted otherwise. Camber all simple span glu laminated beams to 3,500' radius or zero camber, unless shown otherwise on the plans.

OPEN-WEB WOOD FLOOR TRUSSES
Prefabricated open-web wood trusses (or combination wood and metal) shall be designed by the manufacturer for the spans and conditions shown on the plans and shall be furnished and installed in conformance with the manufacturer's published specifications. All necessary bridging, blocking, pre-notched plates, etc., shall be detailed and furnished by the manufacturer. Submit shop drawings and design calculations (complete with stress diagrams) to the Architect and Structural Engineer of Record for review prior to fabrication. Submittals shall be in accordance with the Deferred Submittal Section. Permanent and temporary bridging shall be installed in conformance with manufacturer's specifications.

WOOD STRUCTURAL PANELS
Wood structural panels shall be APA rated sheathing, exposure 1 durability classification, in conformance with USDOC PS 1, ASTM D 5457 and IBC 2303.1.5 and table 2304.8(2).

Oriented strand board (OSB), shall be in accordance with USDOC PS 2, and of equivalent thickness, exposure rating and span rating and may be used in lieu of plywood pending OSB substitution approval by Architect.

Contractor to ensure OSB is protected to prevent warping during installation.

FASTENERS
Fasteners shall conform to the following requirements, unless noted otherwise. Splitting shall be avoided at all wood fasteners:

Bolts	NDS section 12.1.3
Lag screws	NDS section 12.1.4
Wood screws	NDS section 12.1.5
Nails	NDS section 12.1.6
Wood-to-wood connection bolts	ASTM A307
Steel-to-wood connection bolts	ASTM A307
Anchor rods (7" embed min)	ASTM F1554 grade 36 with threaded ends and welded nut at end (provide higher grade at holdown rods where indicated)

Thru-bolt and anchor rod holes shall be at least 1/32" but no more than 1/16" larger than bolt/rod diameter. Clearance holes for lag screw shanks shall have the same diameter as the lag shank and the same penetration depth as the length of the unthreaded shank. Lead holes for threaded portion of lag screws shall have a diameter of 55 to 60% of lag screw shank diameter and shall extend the length of the threaded portion of the lag screw.

Fasteners exposed to earth, weather or located in pressure preservative or fire retardant treated wood shall comply with the criteria listed in the "Metal Products in Contact with Treated Lumber" section.

FRAMING CONNECTORS
Timber connectors called out by letters and numbers shall be "Strong-Tie" by the Simpson Strong-Tie Company. Equivalent devices by other manufacturers may be substituted, provided they have ICC approval for equal or greater load capacities.

All connectors shall be installed in accordance with the manufacturer's recommendations. Provide number and size of fasteners as specified by manufacturer. All shims shall be seasoned and dried and the same grade (minimum) as members connected. All nails shall be as called out in the "Fasteners" section of this sheet, unless noted otherwise. All bolts in wood members shall conform to ASTM A307. Provide washers under the heads and nuts of all bolts and lag screws bearing on wood. Where connector straps connect two members, place one-half of the nails or bolts in each member.

STRUCTURAL STEEL

REFERENCE STANDARDS
Steel construction shall conform to the latest editions of the AISC Specifications and Codes. "Specification for Structural Steel Buildings" ANSI/AISC 360, "Specification for Structural Joints Using High-Strength Bolts" AISC 348 and "Code of Standard Practice for Steel Buildings and Bridges" AISC 303 amended by the deletion of paragraph 4.4.1.

FABRICATORS
Fabricators for structural steel must have a quality assurance program in place. The quality assurance program must meet the requirements of one of the following methods:

- Registration in the Washington Association of Building Officials (WABO) Steel Fabricator Registration Program
- Participation in the AISC quality certification program, designated as an AISC Certified Plant, Category BU.
- Meeting the requirements of AISC 360 for structural steel buildings, appendix N and submitting plan documentation to the authority having jurisdiction, the engineer of record, and the owner or owner's designee. Quality assurance requirements of steel construction for wind and seismic (AISC 341, Chapter J) shall be included as required in Special Inspection section of the general notes, where applicable.

Fabricator for structural steel must be registered and approved to perform work without special inspection. At completion of fabrication, the fabricator shall submit a certificate of compliance to the building official stating that the work was performed in accordance with the approved construction documents.

FINISHING
The terms finish, finish column, finishing, milled, milled surface or milling are intended to include surfaces which have been accurately sawed or finished to a true plane as defined by AISC.

Grind surface value equal to or less than 1,000 as defined by ANSI B46.2 (4-inch and thinner).

STEEL COATINGS AND PROTECTION
Coatings and protection (weather, fire, corrosion, etc.) shall be as specified by the architect. Galvanized steel members shall conform to ASTM A-123 and galvanized steel hardware shall conform to ASTM A-153. Guidelines outlined in ASTM A-384 shall be followed in order to safeguard against warping and distortion during hot-dip galvanizing of steel assemblies. Steel anchors and ties embedded in concrete and masonry shall be left unpainted.

SHOP PAINTING
All steel to be shop primed. Steel fire proofed or encased with concrete need not be painted. All other steel shall be given one coat of shop paint, in accordance with Section 1.24 of the AISC "Specification" and Section 6.5 of the AISC "Code", unless noted otherwise. The surface preparation of the structural steel prior to painting shall be in accordance with the specific paint manufacturer's published recommendations. Structural joints and faying surfaces which are to be connected by means of welds or bolts shall not be painted until all welds and bolts are installed, inspected and approved. Paint shall be held back 3" from the faying surface or the joint to be welded.

STRUCTURAL STEEL MEMBERS
Structural Steel shall conform to the following requirements (unless otherwise shown on plans):

STRUCTURAL STEEL MEMBER SPECIFICATIONS TABLE

Type of Member	ASTM Specification	Fy
SQUARE & RECTANGULAR HSS SECTIONS	A500, GRADE B OR C	46 ksi
PLATES, CHANNELS, ANGLES	A36, GRADE 36	36 ksi
THREADED RODS	A36	36 ksi
ANCHOR RODS (HOOKED, HEADED, THREADED & NUTTED)	F1554, GRADE 36 (UNO)	36 ksi
COMMON BOLTS	A307, GRADE A	-

STEEL FRAMING
The contractor shall be responsible for all erection aids and joint preparations that include, but are not limited to: erection angles, lift holes, and other aids; welding procedures; required root openings; root face dimensions; groove angles; backing bars; copes; surface roughness values; and tapers of unequal parts.

WELDING
All welding shall be in conformance with AISC and AWS standard and shall be performed by AWS/WABO certified welders in accordance with AWS D1.1. Only Prequalified welders, as defined by AWS, shall be used.

Shop drawings shall show all welding with AWS D1.4 symbols. Welds shown on the drawings are the minimum sizes. Increase weld size to AWS minimum sizes, based on plate thickness. Minimum welding shall be 3/16" UNO. Filler metal with a specified minimum Charpy V-notch toughness of 20 ft-lb at 40°F or lower shall be used at complete-joint-penetration groove welds. Welds designated as demand critical shall be made with filler metals meeting the requirements specified in AWS D1.8 clause 6.3.

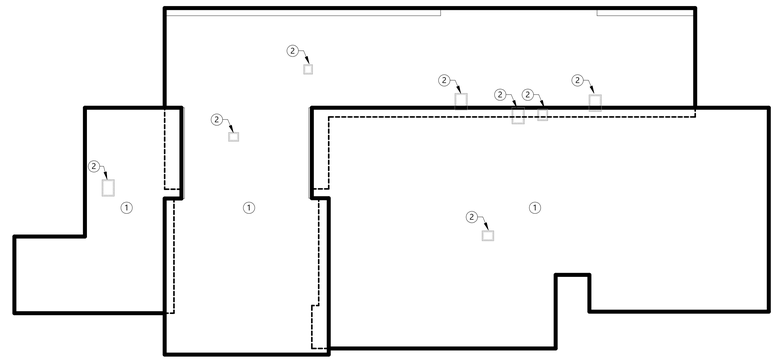
Welding procedures shall be submitted to the owner's testing agency for review prior to commencement of fabrication or erection. All complete-penetration welds shall be ultrasonically tested upon completion of the connection except plate less than or equal to 1/4" thick shall be magnetic particle tested. Complete penetration welds on plates less than or equal to 1/4" shall be magnetic particle tested.

Field welds shown are engineer's recommendation. Contractor is responsible for actual welds used to support specific means and methods.

BOLTS
All high-strength bolts, not part of the Seismic Load Resisting System (SLRS), need only be tightened to snug-tight (ST) conditions, defined as the tightness that exists when all plies in a joint are in firm contact. This may be attained by a few impacts of an impact wrench or the full effort of a man using an ordinary spud wrench. All bolt holes shall be standard size, unless noted otherwise. All ASTM A-307 bolts shall be provided with lock washers under nuts or self-locking nuts.

Connections, joints and fasteners that are part of the Seismic Load Resisting System (SLRS) shall be pretensioned (PT) high-strength bolts and shall meet the requirements for slip-critical (SC) joints, UNO. All faying surfaces shall be prepared as required for class A or better slip-critical joints. All high-strength bolts shall be installed, tightened and inspected in accordance with AISC 348. Slip-critical (SC) connections shall use compressible-washer-type direct tension indicators or twist-off-type tension-control bolts.

STEEL STORAGE RACKS
Steel storage racks shall be designed by the manufacturer for the rack heights and areas shown on the plans. Design, testing and utilization of storage racks made of cold-formed or hot-rolled steel structural members shall be in accordance with RMI/ANSI MH 16.1 and seismic design shall be in accordance with Section 15.5.3 of ASCE 7.

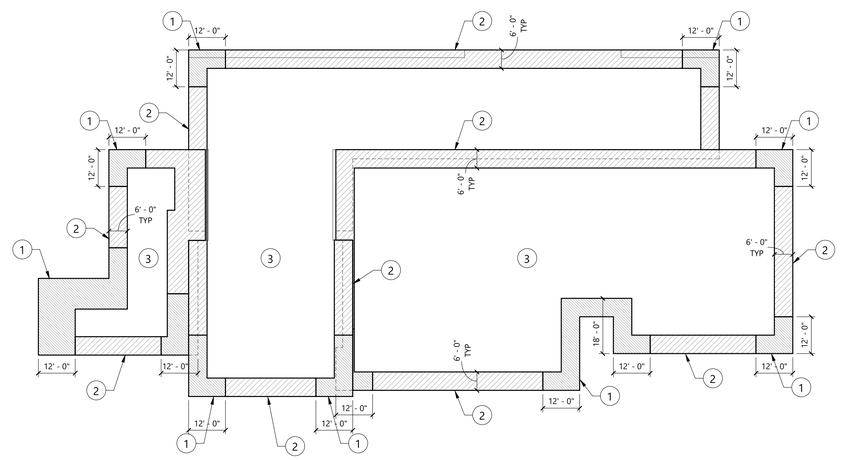


1 ROOF LOAD MAP

LOAD MAP LEGEND

MARK	SUPERIMPOSED DL (psf)	CONCENTRATED LL (lb)	UNIFORM LL (psf)	NOTES
1	17	-	25	ROOF
2	-	500	-	ROOF (MECH) SEE MECHINCAL FOR LOCATION

NOTES:
1. ROOF FALL PROTECTION ANCHORS DESIGNED FOR 5,000 lb ULTIMATE LOAD.



2 ROOF WIND PRESSURES

ULTIMATE WIND PRESSURES
FOR COMPONENTS & CLADDING (Ae = 10 ft²)

MARK	POSITIVE WIND PRESSURE (psf)	NEGATIVE WIND PRESSURE (psf)
1	22	-86
2	22	-61
3	22	-40

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REGISTERED PROFESSIONAL ENGINEER
01/10/2020

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PROJECT # 19-161-01
PERMIT SET
ISSUE DATE JANUARY 10, 2020
REVISION SCHEDULE

STRUCTURAL
GENERAL NOTES

SHEET #
S00.02

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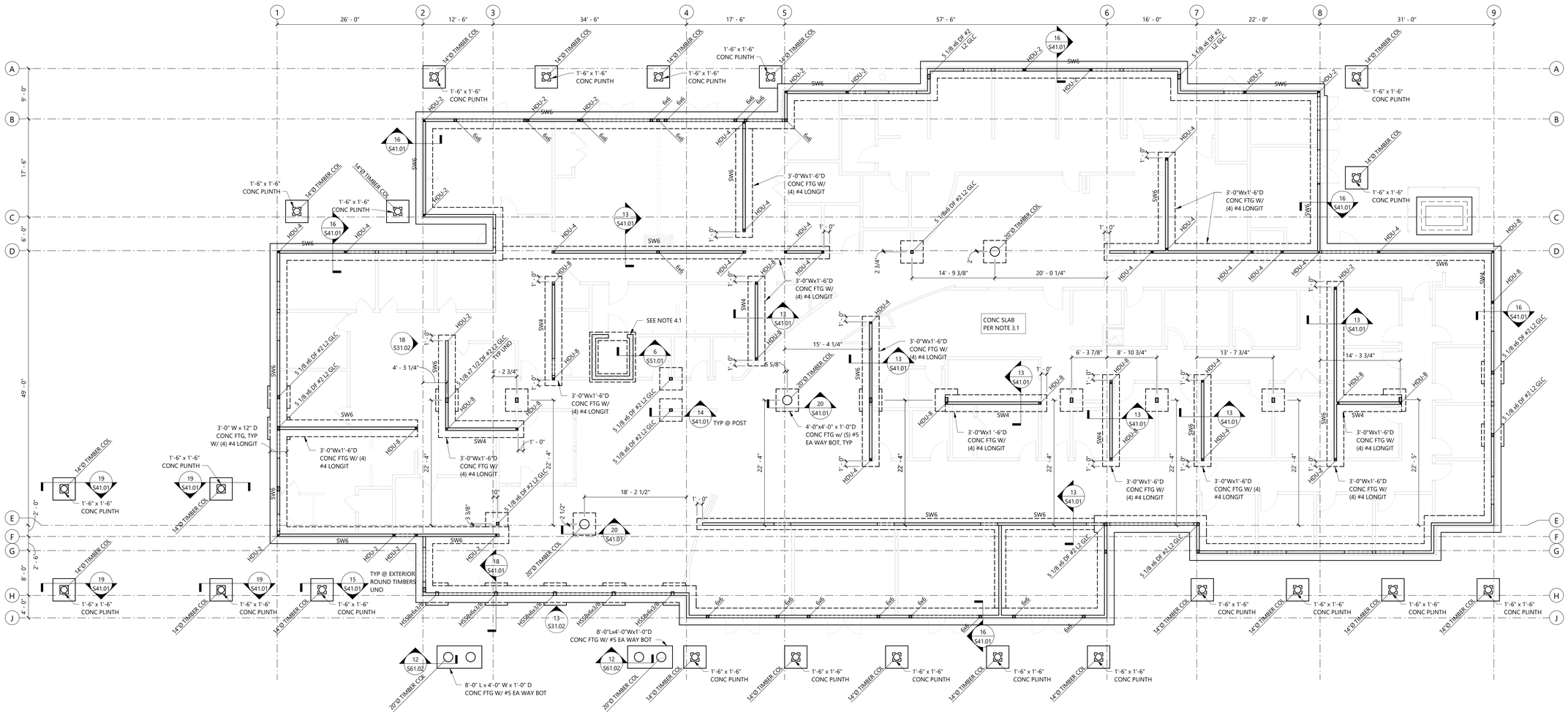

1 FOUNDATION PLAN
North
Scale: 1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. GENERAL

1.1. ELEVATION AT TOP OF SLAB SHALL BE XX'-X", UNO.
ELEVATION AT TOP OF FOOTING SHALL BE XX'-X" BELOW TOP OF SLAB, UNO.

[-X'-X"] INDICATES ELEVATION AT TOP OF FOOTING, MEASURED IN FEET.

FOOTING ELEVATIONS SHOWN ARE FOR CONTRACTOR CONVENIENCE AND BIDDING ONLY. FINAL ELEVATIONS SHALL BE DETERMINED BY ON-SITE VERIFICATION BY SOILS ENGINEER, BUT SHALL NOT BE SHALLOWER THAN THOSE SHOWN ON THIS PLAN. REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL INFORMATION.

1.2. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.

1.3. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF ALL MECHANICAL EQUIPMENT.

1.4. REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

2. FOUNDATIONS

2.1. EXCAVATE, BACKFILL, AND PREPARE SOILS AS REQUIRED PER STRUCTURAL GENERAL NOTES AND GEOTECHNICAL REPORT.

2.2. REFER TO MECHANICAL AND CIVIL DRAWINGS FOR LOCATIONS OF ALL UNDERSLAB PIPING. FOOTINGS MAY BE LOWERED TO AVOID CONFLICTS WITH PIPING.

2.3. STEP FOOTINGS AS REQUIRED PER TYPICAL STEPPED FOOTING DETAIL.

3. SLABS

3.1. TYPICAL SLAB ON GRADE SHALL BE 4" THICK WITH #3 @ 12" OC EACH WAY AT CENTER OF SLAB. PLACE REINFORCEMENT AT ONE-THIRD DEPTH OF SLAB.

3.2. PROVIDE VAPOR BARRIER AND BASE COURSE BELOW SLAB AT INTERIOR SPACES PER GEOTECH REPORT.

3.3. PROVIDE CONTROL OR CONSTRUCTION JOINTS ON ALL COLUMN LINES, AT ALL RE-ENTRANT CORNERS, AND AT A MAXIMUM SPACING OF 30x SLAB THICKNESS.
PLACE JOINTS IN A MANNER THAT DIVIDES THE SLAB INTO RECTANGULAR AREAS 400 SQUARE FEET OR LESS. AREAS SHALL BE APPROXIMATELY SQUARE AND HAVE NO ACUTE ANGLES.
ALL JOINT LOCATIONS MUST BE APPROVED BY THE ARCHITECT PRIOR TO CONSTRUCTION.
REFER TO TYPICAL SLAB JOINT DETAIL.

3.4. TYPICAL THICKENED SLAB EDGES SHALL BE 8" WIDE AND 8" DEEP WITH (1) #4 CONTINUOUS AND #4 x 3'-0" HOOKED BARS @ 24" OC.

4. WALLS AND COLULMNS ABOVE

4.1. INDICATES 8" FULLY GROUTED CMU WALL.

4.2. INDICATES SHEAR WALL.

PROJECT #	19-161-01
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FOUNDATION PLAN

SHEET #
S21.01

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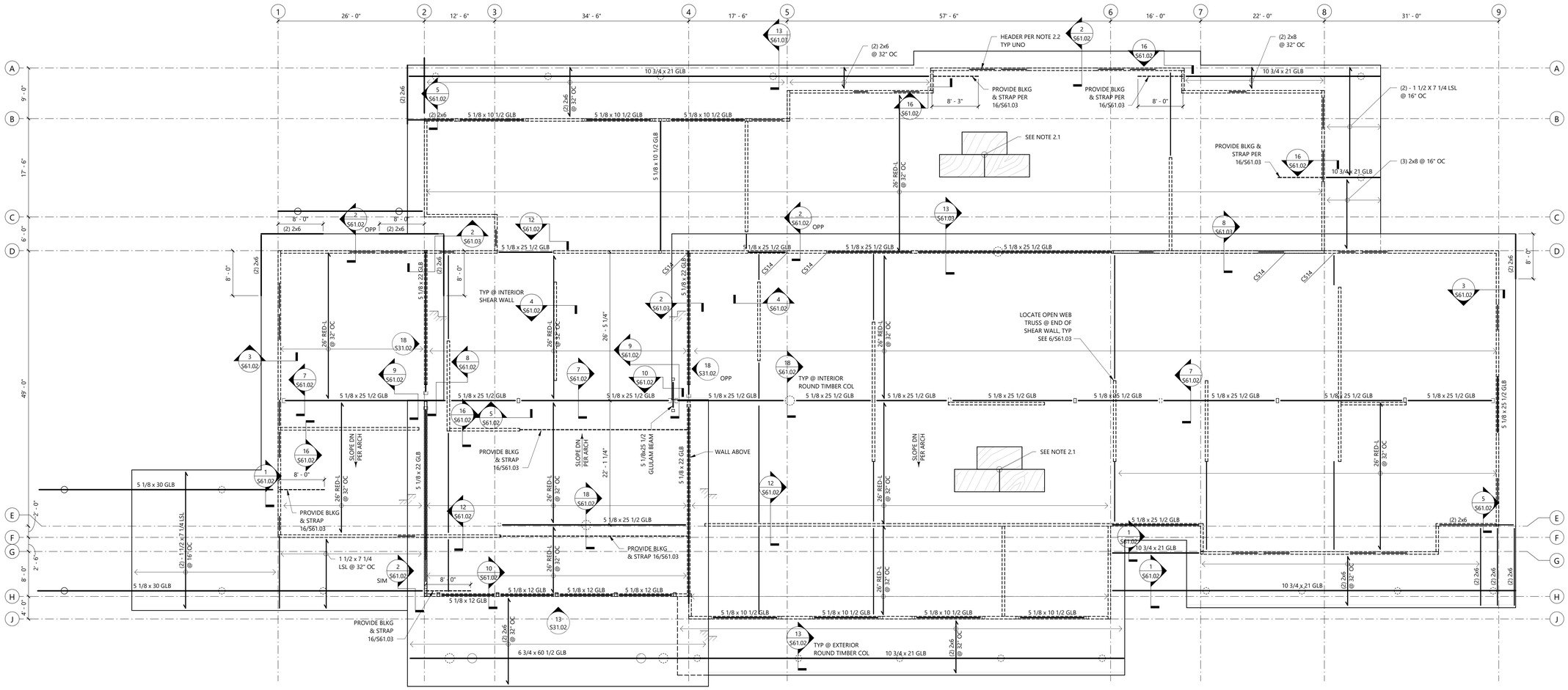

ROOF FRAMING PLAN

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

North

ROOF FRAMING PLAN NOTES

1. GENERAL

1.1. ELEVATION AT TOP OF SHEATHING SHALL BE PER ARCHITECT.

SLOPE ALL ROOF FRAMING PER ARCHITECT, UNO.

1.2. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.

1.3. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF ALL MECHANICAL EQUIPMENT.

1.4. REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

2. ROOFS

2.1. ROOF SHEATHING SHALL BE 15/32" APA RATED SHEATHING (32/16), EXPOSURE 1. SHEATHING IS SUPPORTED BY 4x T&G TIMBER DECKING. NAIL SHEATHING PANELS AS FOLLOWS:

ROOF BOUNDARY (BN).....10d @ 6"
PANEL EDGES (EN).....10d @ 6"
OTHER SUPPORTS, FIELD NAILING (FN).....10d @ 12"
BLOCKING.....10d @ 6"

2.2. TYPICAL HEADER SHALL BE 4x10 DF NO. 2, UNO.

2.3. (X) INDICATES SEISMIC COLLECTOR STRAP PER SCHEDULE THIS SHEET. SEE DETAILS X/S6.02.

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PROJECT #	19-161-01
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REVISION SCHEDULE

ROOF FRAMING PLAN

SHEET #
S21.11

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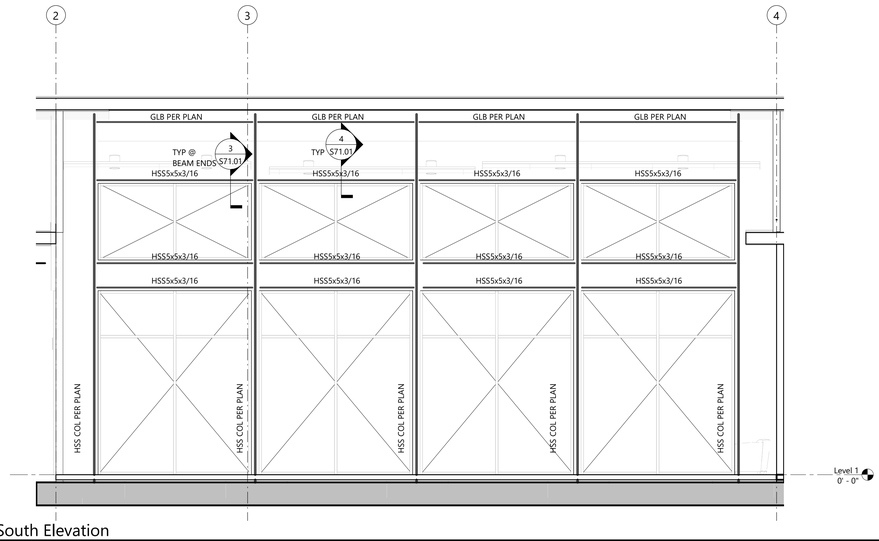
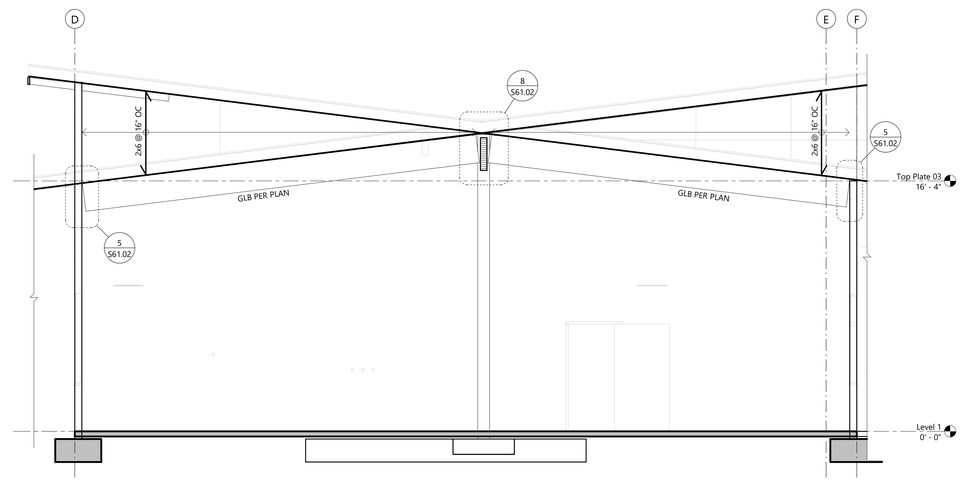


13 South Elevation
Scale: 1/4" = 1'-0"



18 Section along Grid 2
Scale: 1/4" = 1'-0"

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REVISION SCHEDULE

STRUCTURAL
ELEVATIONS

SHEET #
S31.02

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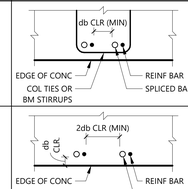
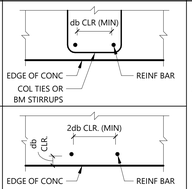
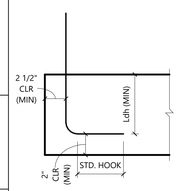
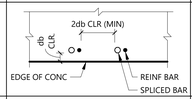
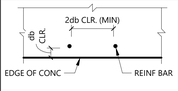
REINFORCING BAR LAP SPLICE & DEVELOPMENT LENGTH DIAGRAMS

The following conditions must be met in order to use the Reinforcing Bar Lap Splice & Development Length Tables

	Lap Splices	Straight Bar Development	Hooked Bar Development
CLASS 1: Bars enclosed by column ties or beam stirrups			
CLASS 2: No enclosure			
Where conditions for Classes 1 & 2 are not met	MULTIPLY LENGTHS SHOWN IN SCHEDULE BY 1.5	MULTIPLY LENGTHS SHOWN IN SCHEDULE BY 1.5	

NOTES:
1. ALL BARS SHALL BE DEVELOPED & ALL SPLICES LAPPED PER ACE 318 FOR TENSION, UNO. TABLE MAY BE USED WHERE CONDITIONS MEET CRITERIA NOTED IN DIAGRAMS.
2. TABLES ARE APPLICABLE FOR NORMAL WEIGHT CONCRETE, ONLY.
3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONRETE CAST BELOW THEM. (WALL HORIZONTAL REINFORCEMENT IS EXEMPT)
4. WHERE BARS OF DIFFERENT SIZE ARE LAP SPLICED, SPLICE LENGTH SHALL BE THE LARGER OF:
   - DEVELOPED LENGTH OF LARGER BAR
   - SPLICE LENGTH OF SMALLER BAR
5. WHERE MINIMUM STRAIGHT BAR DEVELOPMENT LENGTH CONNOT BE ACHIEVED, USE WITH STANDARD HOOK
6. REFER TO CONCRETE COVER TABLE FOR MINIMUM CONCRETE COVER REQUIREMENTS.

REINFORCING BAR LAP SPLICE & DEVELOPMENT LENGTH TABLE
f'c = 3,000 psi Grade 60 Reinforcing

Bar Size	Min Lap Splice Lengths (Ls)		Min Straight Bar Development Lengths (Ld)		Min Hooked Bar Embedment Lengths (Ldh)
	Top Bars	Other Bars	Top Bars	Other Bars	
#3	28"	22"	22"	17"	9"
#4	38"	29"	29"	22"	11"
#5	47"	36"	36"	28"	14"
#6	56"	43"	43"	33"	17"
#7	81"	63"	63"	48"	20"
#8	93"	72"	72"	55"	22"
#9	105"	81"	81"	62"	25"
#10	118"	91"	91"	70"	28"
#11	131"	101"	101"	78"	31"

REINFORCING BAR LAP SPLICE & DEVELOPMENT LENGTH TABLE
f'c = 4,500 psi Grade 60 Reinforcing

Bar Size	Min Lap Splice Lengths (Ls)		Min Straight Bar Development Lengths (Ld)		Min Hooked Bar Embedment Lengths (Ldh)
	Top Bars	Other Bars	Top Bars	Other Bars	
#3	23"	18"	18"	14"	7"
#4	30"	24"	24"	18"	9"
#5	38"	30"	30"	23"	12"
#6	46"	35"	35"	27"	14"
#7	67"	51"	51"	40"	16"
#8	76"	59"	59"	45"	18"
#9	86"	66"	66"	51"	21"
#10	96"	74"	74"	57"	23"
#11	107"	82"	82"	64"	26"

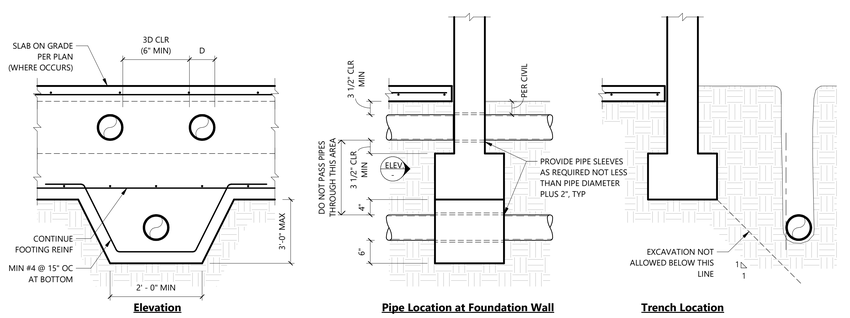
CONCRETE COVER FOR REINFORCING STEEL

Reinforcing Bar Location	Min Concrete Cover
UNFORMED SURFACES CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#6 BARS AND LARGER)	2"
FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#5 BARS AND SMALLER)	1 1/2"
COLUMNS AND BEAMS w/ BARS ENCLOSED IN STIRRUPS, TIES OR SPIRAL REINF	1 1/2"
SLABS, JOISTS AND INTERIOR FACES OF WALLS (#11 BARS AND SMALLER)	3/4"
2-HOUR AND 3-HOUR SLABS	(REFER TO PLAN NOTES)
CLEAR SPACING BETWEEN LONGITUDINAL BARS IN COLUMNS AND BOUNDARY ELEMENTS	1 1/2" OR 1.5db
CLEAR SPACING BETWEEN PARALLEL BARS IN A LAYER	1" OR db
CLEAR SPACING BETWEEN (2) OR MORE PARALLEL LAYERS	1"

NOTES:
1. WHERE A THICKNESS OF COVER REQUIRED FOR FIRE PROTECTION IS GREATER THAN THAT SPECIFIED IN THIS TABLE, THE GREATER THICKNESS SHALL BE USED.
2. WHERE TWO VALUES ARE SHOWN, THE GREATER SHALL BE USED.

1 Reinforcing Bar Lap Splice & Development Length Tables
Scale: 1 1/2" = 1'-0"

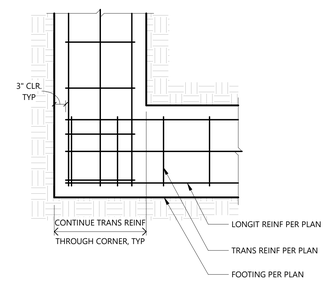
5 Concrete Cover for Reinforcing Steel
Scale: 3/4" = 1'-0"



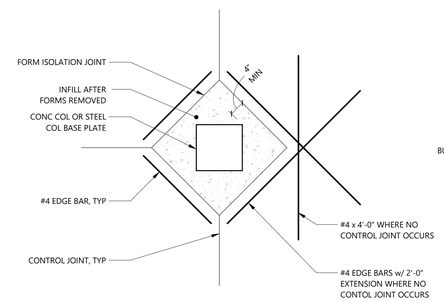
Elevation **Pipe Location at Foundation Wall** **Trench Location**

NOTES:
1. USE THIS DETAIL FOR ALL UTILITES PASSING UNDER OR ADJACENT TO FOOTING.
2. STEP FOOTING DOWN TO PASS BELOW PIPES IF NEEDED.

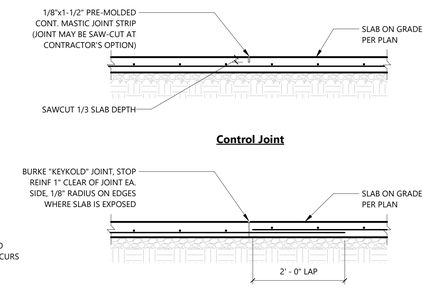
6 Typical Pipe and Trench Locations
Scale: 3/4" = 1'-0"



8 Typical Footing Intersection
Scale: 3/4" = 1'-0"



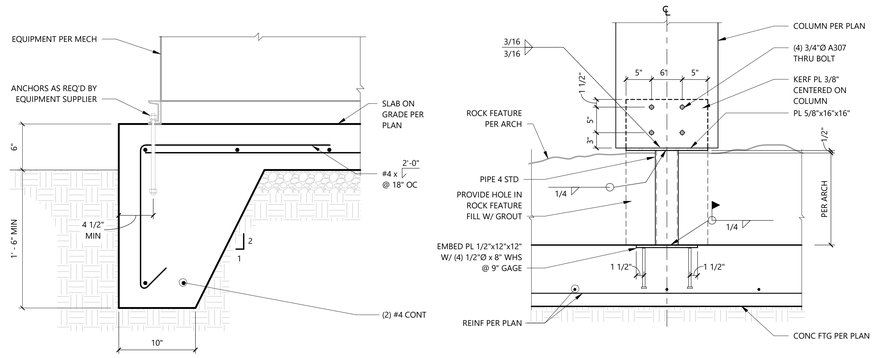
9 Typical Slab on Grade Isolation Joint at Column
Scale: 3/4" = 1'-0"



Control Joint **Construction Joint**

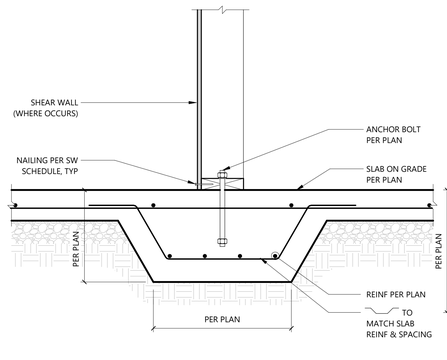
NOTES:
1. SAWED JOINTS SHALL BE MADE AS SOON AS THE JOINT CAN BE CUT WITHOUT EDGES RAVELING AND WITHIN 24 HOURS OF SLAB PLACEMENT.
2. SAWED JOINTS SHALL BE FITTED WITH SEALENT AS COORDINATED WITH THE ARCHITECT.

10 Typical Joints in Slab on Grade
Scale: 3/4" = 1'-0"

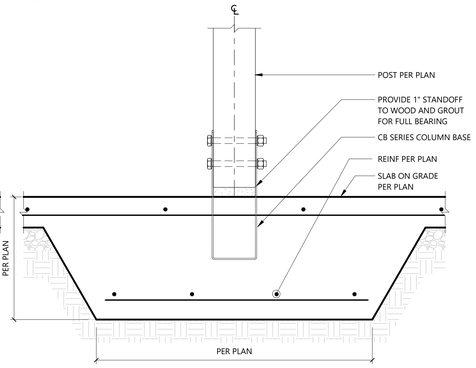


11 Exterior Housekeeping Pad
Scale: 1 1/2" = 1'-0"

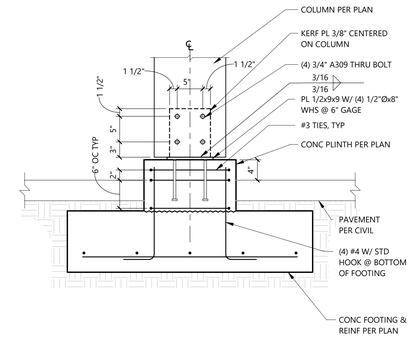
2 Exterior Column Connection at Feature
Scale: 1" = 1'-0"



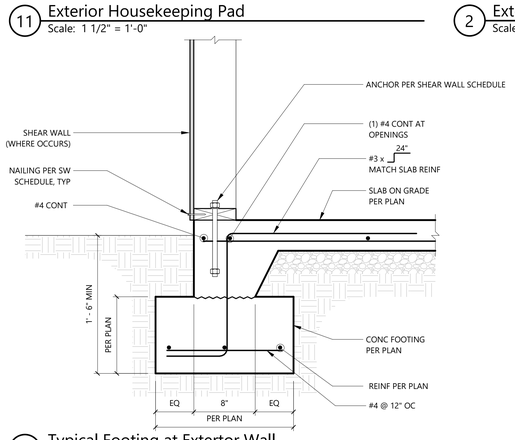
13 Typical Thickened Slab Strip Footing
Scale: 1 1/2" = 1'-0"



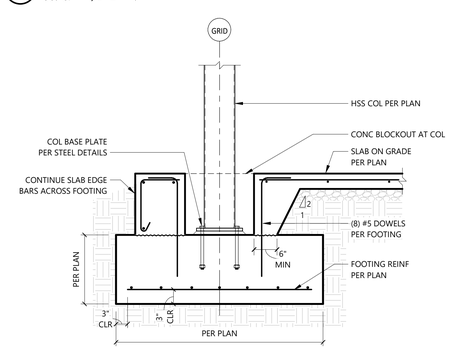
14 Typical Thickened Slab Post Footing
Scale: 1 1/2" = 1'-0"



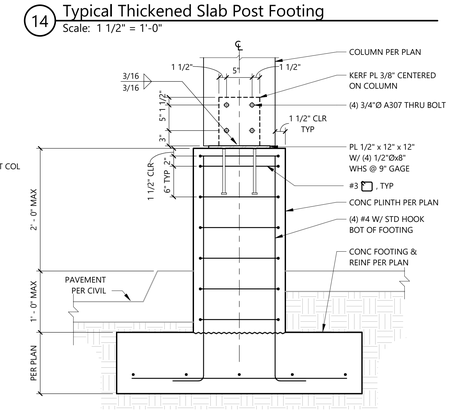
15 Round Timber Foundation
Scale: 1" = 1'-0"



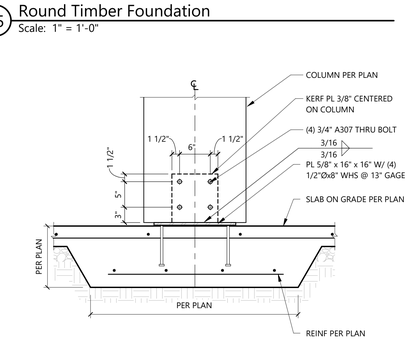
16 Typical Footing at Extertor Wall
Scale: 1 1/2" = 1'-0"



18 Typical HSS Column Footing at Slab Edge
Scale: 3/4" = 1'-0"



19 Round Timber Connection @ Driveway
Scale: 1" = 1'-0"



20 Round Timber Connection @ Interior
Scale: 1" = 1'-0"

JAMESTOWN S'KALLAM TRIBE
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PROJECT #	19-161-01
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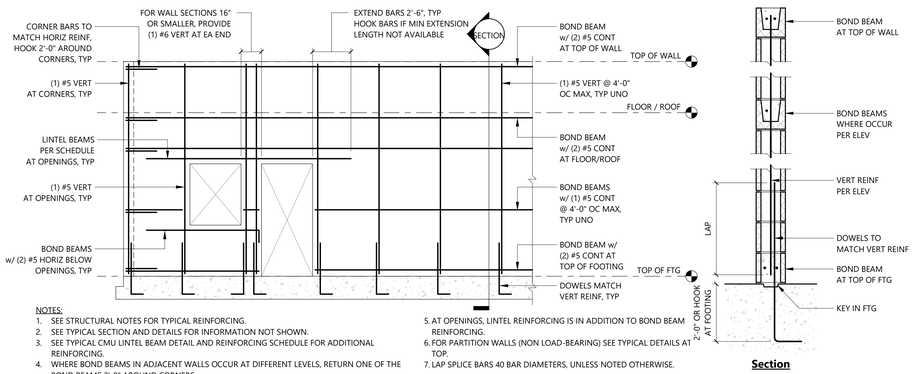
ISSUE DATE	JANUARY 10, 2020
REVISION SCHEDULE	

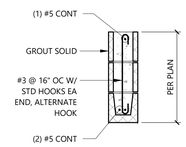
STRUCTURAL
CONCRETE DETAILS

SHEET #
S41.01



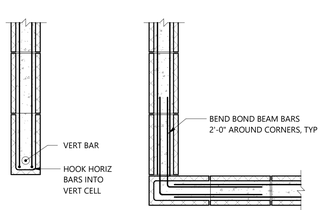
NOTES:
1. SEE STRUCTURAL NOTES FOR TYPICAL REINFORCING.
2. SEE TYPICAL SECTION AND DETAILS FOR INFORMATION NOT SHOWN.
3. SEE TYPICAL CMU LINTEL BEAM DETAIL AND REINFORCING SCHEDULE FOR ADDITIONAL REINFORCING.
4. WHERE BOND BEAMS IN ADJACENT WALLS OCCUR AT DIFFERENT LEVELS, RETURN ONE OF THE BOND BEAMS 2'-0" AROUND CORNERS.
5. AT OPENINGS, LINTEL REINFORCING IS IN ADDITION TO BOND BEAM REINFORCING.
6. FOR PARTITION WALLS (NON LOAD-BEARING) SEE TYPICAL DETAILS AT TOP.
7. LAP SPLICE BARS 40 BAR DIAMETERS, UNLESS NOTED OTHERWISE.

1 Typical Reinforcing in CMU Walls
Scale: 1/4" = 1'-0"



NOTES:
1. LINTEL REINF SHALL BE EXTENDED PAST OPENING A MINIMUM OF 48 BAR DIAMETERS BUT NOT LESS THAN 2'-0". HOOK IF MIIMUM LENGTH NOT AVAILABLE.
2. WHERE SCHEDULE INDICATES A DEPTH GREATER THAN ONE 8" BLOCK DEPTH USE 8" DEEP LINTEL BLOCK AND REGULAR 8" DEEP BLOCK WITH INNER WEBS REMOVED. FILL SCHEDULED DEPTH WITH ONE MONOLITHIC CONCRETE GROUT POUR.
3. DO NOT LAP BARS IN LINTEL.
4. STIRRUP REINF SHALL BE PLACED SUCH THAT THE FIRST STIRRUP OCCURS WITHIN 4" FROM FACE OF OPENING.

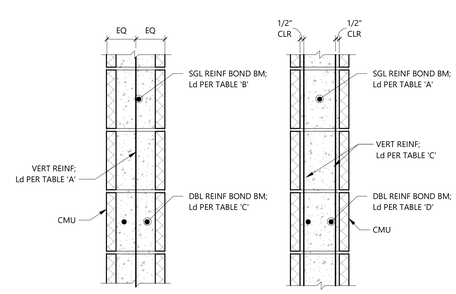
3 Typical CMU Lintel Beam Details and Schedule
Scale: 3/4" = 1'-0"



Wall End or Jamb **Corner Intersection**

NOTES:
1. VERTICAL REINFORCING NOT SHOWN.

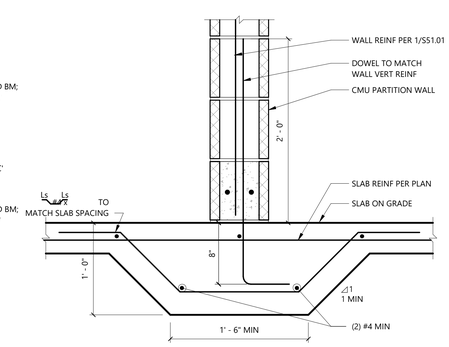
4 Plan Views of Typical Horizontal Bond Beam
Scale: 3/4" = 1'-0"



1 Vert Bar Per Cell **2 Vert Bar Per Cell**

NOTES:
1. VERTICAL REINFORCEMENT PER GENERAL NOTES, SECTIONS, DETAILS AND PLANS.
2. REINFORCEMENT SPLICE LENGTH IS EQUIVALENT TO DEVELOPMENT LENGTH.
3. WHERE TWO BARS ARE PARALLEL IN A CELL, ALL SPLICES ARE TO BE STAGGERED, UNO.

5 Typical CMU Bar Placement
Scale: 1 1/2" = 1'-0"



6 Typical Thickened Slab at CMU Wall
Scale: 1 1/2" = 1'-0"

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PROJECT # 19-161-01
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REVISION SCHEDULE

STRUCTURAL CMU DETAILS

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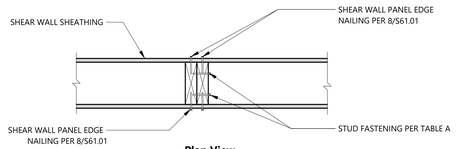
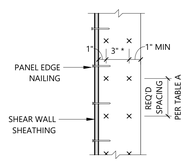
S51.01



Plan View



Elevation View

TABLE A

Shearwall Mark	Stud Fastening
SW4	(2) ROWS 16d @ 4" OC
SW3	(3) ROWS 16d @ 4 1/2" OC
SW2	(2) ROWS 1/4" x 3" SDS @ 4 1/2" OC
SW3-2	(2) ROWS 1/4" X 3" SDS @ 3" OC
SW2-2	N/A

NOTES:
1. * 3" FOR SDS SCREWS, 1 1/2" FOR 16d NAILS

2 Alternative Built-up 2X Option at Abutting Panel Edge
Scale: 1 1/2" = 1'-0"

SHEAR WALL SCHEDULE (DOUG FIR FRAMING)

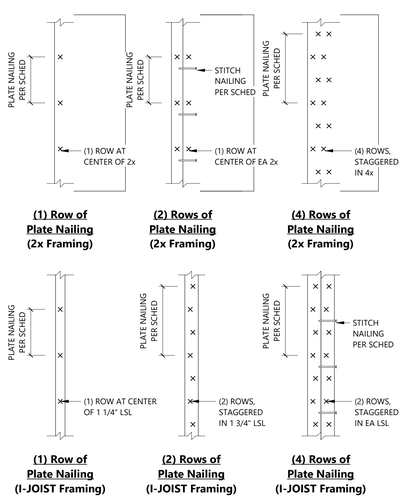
Mark	Sheathing (15/32" Plywood)	Nailing (EN) Edge	Nailing Field	Framing Min Stud & Blkg @ Panel Edges	Framing Sill Plate	Framing Top Plates	Shear Transfer (A) Sill Pl to Concrete	Shear Transfer (B) Rim/Joist/Blkg to Top Pl	Shear Transfer (C) Sill Pl To Rim/Joist/Blkg	Shear Transfer (D) Shearwall Intersections	Capacity (ASD) Seismic	Capacity (ASD) Wind
SW6	(1) SIDE	10d @ 6"	10d @ 12"	2x	2x	(2)2x	5/8"Ø @ 3'-5"	A35 @ 26" or LTP4 @ 24"	16d @ 4" or 1/4x6" SDS SCREWS @ 14"	16d @ 4" or 1/4x6" SDS SCREW @ 13"	310 PLF	435 PLF
SW4	(1) SIDE	10d @ 4"	10d @ 12"	3x	2x	(2)2x	5/8"Ø @ 2'-3"	A35 @ 18" or LTP4 @ 16"	(2) ROWS 16d @ 6" or 1/4x6" SDS SCREWS @ 9"	(2) ROWS 16d @ 6" or 1/4x6" SDS SCREW @ 8"	460 PLF	645 PLF
SW3	(1) SIDE	10d @ 3"	10d @ 12"	3x	2x	(2)2x	5/8"Ø @ 21"	A35 @ 13" or LTP4 @ 12"	(2) ROWS 16d @ 5" or 1/4x6" SDS SCREWS @ 7"	(2) ROWS 16d @ 5" or 1/4x6" SDS SCREW @ 6"	600 PLF	840 PLF
SW2	(1) SIDE	10d @ 2"	10d @ 12"	3x	2x	(2)2x	5/8"Ø @ 16"	A35 @ 10" or LTP4 @ 9"	(3) ROWS 16d @ 6" or (2) ROWS 1/4x6" SDS SCREWS @ 10"	1/4x6" SDS SCREW @ 5"	770 PLF	1078 PLF
SW4-2	(2) SIDES	10d @ 4"	10d @ 12"	3x	3x	(2)2x	5/8"Ø @ 15"	A35 + LTP4 @ 16"	(3) ROWS 16d @ 5" or (2) ROWS 1/4x6" SDS SCREWS @ 9"	1/4x6" SDS SCREW @ 4"	920 PLF	1288 PLF
SW3-2	(2) SIDES	10d @ 3"	10d @ 12"	3x	3x	(2)2x	5/8"Ø @ 15"	A35 + LTP4 @ 13"	(4) ROWS 16d @ 5" or (2) ROWS 1/4x6" SDS SCREWS @ 7"	1/4x6" SDS SCREW @ 3"	1200 PLF	1680 PLF
SW2-2	(2) SIDES	10d @ 2"	10d @ 12"	3x	3x	(2)2x	5/8"Ø @ 12"	A35 + LTP4 @ 10"	(4) ROWS 16d @ 4" or (3) ROWS 1/4x6" SDS SCREWS @ 8"	1/4x6" SDS SCREW @ 2"	1540 PLF	2155 PLF

SHEAR WALL SCHEDULE NOTES:

1. IN ADDITION TO FRAMING REQUIREMENTS OF 18/S61.01ROVIDE FRAMING AT SHEAR WALLS AS INDICATED.
2. SEE SCHEDULE FOR SHEATHING AND NAILING REQUIREMENTS. LUMBER GRADE AS INDICATED OR BETTER. STAGGER PANEL JOINT EA SIDE OF WALL WHERE SHEATHING IS REQUIRED BOTH SIDES OF WALL.
3. ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANEL EDGES SHALL NOT BE LESS THAN SIZES INDICATED. IN LIEU OF 3x STUDS, BUILT-UP STUDS SHOWN IN 2/S61.01WAY BE SUBSTITUTED.
4. BLOCK ALL PANEL EDGES.
5. NAIL SIZES PER NAIL SIZE TABLE. DRIVE ALL NAILS FLUSH W/ FACE OF SHEATHING. TOLERANCE +1/16" TO -0. STAGGER NAILING WHERE NECESSARY TO PREVENT SPLITTING OF LUMBER.
6. PLATES ON CONCRETE SHALL BE TREATED. SEE GENERAL NOTES.
7. CONNECT SHEATHING & STUDS AT SHEAR WALL INTERSECTIONS AS INDICATED.
8. WHERE ONLY ONE HOLDOWN IS SPECIFIED, LOCATE ON OPEN-SIDE OF HOLDOWN STUDS. SEE WALL ELEVATION.
9. THE PLANS AND SECTIONS SHOWN HERE SCHEMATICALLY DEMONSTRATE THE TYPICAL CONNECTION DESIGNED BY THE ENGINEER OF RECORD. ALTERNATE CONNECTIONS MUST BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO CONSTRUCTION

TYPICAL NAIL LENGTH TABLE

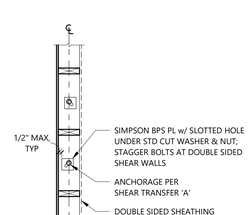
Nail Size	Nail Diameter	Typical Nail Length (UNO)
6d COMMON	0.113"Ø	2"
8d COMMON	0.131"Ø	2 1/2"
10d COMMON	0.148"Ø	2 1/4"
16d SINKER	0.148"Ø	3 1/4"



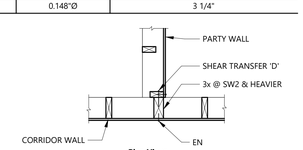
(1) Row of Plate Nailing (2x Framing) | **(2) Rows of Plate Nailing (2x Framing)** | **(4) Rows of Plate Nailing (2x Framing)**

(1) Row of Plate Nailing (I-JOIST Framing) | **(2) Rows of Plate Nailing (I-JOIST Framing)** | **(4) Rows of Plate Nailing (I-JOIST Framing)**

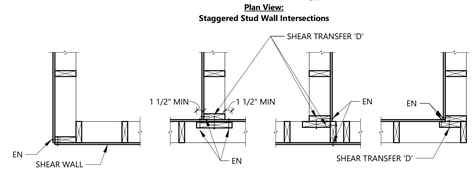
6 Typical Shear Wall Schedule - Plate Nailing Details
Scale: 1 1/2" = 1'-0"



Plan View:
Typical Bottom Plate Anchorage

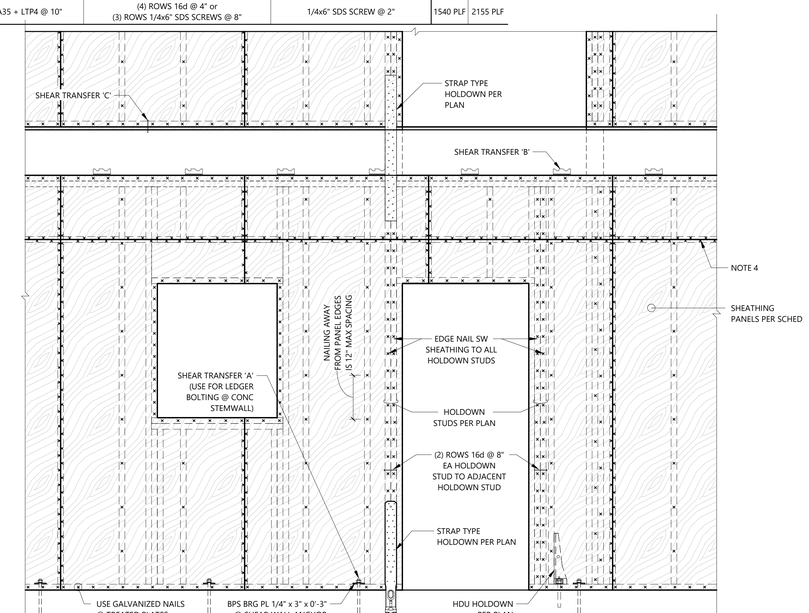


Plan View:
Staggered Stud Wall Intersections



Plan View:
Typical Shear Wall Intersections

7 Typical Shear Wall Intersections & Anchorage Requirements
Scale: 3/4" = 1'-0"



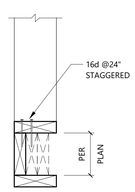
8 Shear Wall Framing w/ Holdowns
Scale: 3/4" = 1'-0"

ROUGH WINDOW SILL

Horiz Rough Opening	Number of Sills Req'd	End Attachment	Reference
0'-0" to 6'-0"	1	(2) 16d END NAILS	18/S61.01
> 6'-0"	2	(2) 16d END NAILS + A35 EA END @ EA SILL	18/S61.01

HEADER END NAILING

Nominal Depth	End Attachment
4	(4) 16d
6	(6) 16d
8	(8) 16d
10	(10) 16d
12	(12) 16d
14	(14) 16d
16	(16) 16d
18	(18) 16d



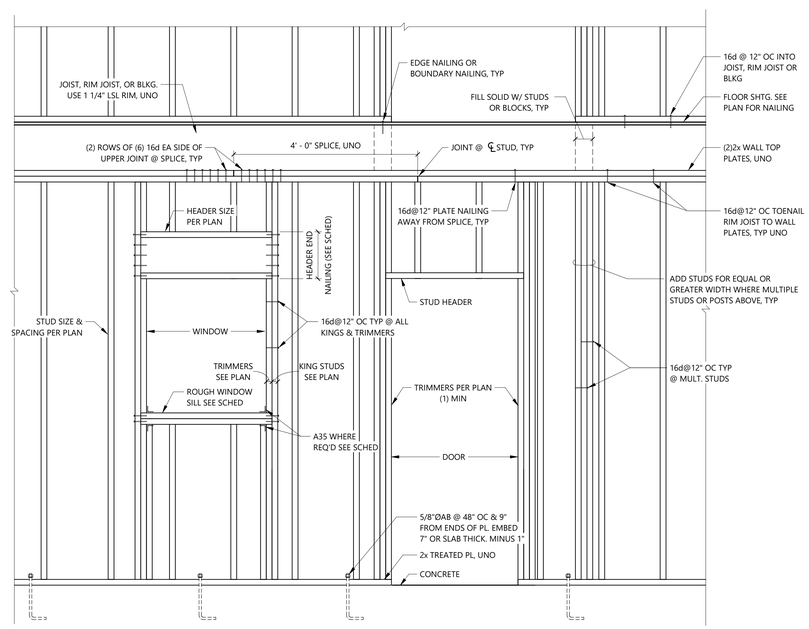
Section

Header End Nailing
Scale: 1 1/2" = 1'-0"

MINIMUM FASTENING SCHEDULE, UNO (PER IBC 2015, TABLE 2304.10.01)

No.	Connection	Nailing, Location UNO
1	BLOCKING BETWEEN JOIST/RAFTER OR TRUSSES TO TOP PLATE OR OTHER FRAMING ABOVE	(3) 8d, TOENAIL EACH END
2	BLOCKING BETWEEN JOIST/RAFTER OR TRUSSES NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS	(2) 8d, TOENAIL EACH END
3	FLAT BLOCKING TO TRUSS AND WEB FILLER	16d FACE NAIL
4	JOISTS TO TOP PLATE OR GIRDER	(3) 8d, TOENAIL
5	CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS (NO THRUST)	(3) 16d
6	COLLAR TIE TO JOIST/RAFTER	(3) 10d
7	ROOF TRUSS TO TOP PLATE	(3) 10d, TOENAIL
8	ROOF JOIST/RAFTER TO RIDGE VALLEY OR HIP RAFTERS; OR ROOF RAFTER TO 2" RIDGE BEAM	(2) 16d, END NAIL
9	STUD TO STUD (NOT AT SHEAR WALLS)	16d @ 24" O.C., FACE NAIL
10	CONTINUOUS HEADER TO STUD	(4) 8d, TOENAIL
11	TOP PLATE TO TOP PLATE, AT END JOINTS	(8) 16d, EACH SIDE OF END JOINT, FACE NAIL (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)
12	SILL PLATE TO JOIST, RIM JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)	16d @ 16" O.C., FACE NAIL
13	SILL PLATE TO JOIST, RIM JOIST OR BLOCKING AT BRACED WALL PANELS	(3) 16d @ 16" O.C., FACE NAIL
14	STUD TO SILL PLATE	(4) 8d, TOENAIL OR (2) 16d, END NAIL*
15	TOP PLATE TO STUD	(2) 16d, END NAIL
16	TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	(2) 16d, FACE NAIL
17	1" BRACE TO EACH STUD AND PLATE	(2) 8d, FACE NAIL
18	1" x 6" SHEATHING OR LESS TO EACH BEARING	(2) 8d, FACE NAIL
19	1" x 8" AND WIDER SHEATHING TO EACH BEARING	(3) 8d, FACE NAIL
20	JOIST TO SILL, TOP PLATE OR GIRDER	(3) 8d, TOENAIL
21	RIM JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER FRAMING BELOW	8d @ 6" O.C., TOENAIL
22	1" x 6" SUBFLOOR OR LESS TO EACH JOIST	(2) 8d, FACE NAIL
23	2" SUBFLOOR TO JOIST OR GIRDER	(2) 16d, BLIND AND FACE NAIL
24	2" PLANKS (PLANK & BEAM - FLOOR & ROOF)	(2) 16d, EACH BEARING, FACE NAIL
25	BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS	20d @ 32" O.C., FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES AND (2) 20d AT ENDS OF EACH SPLICE
26	LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	(3) 16d, EACH JOIST OR RAFTER, FACE NAIL
27	JOIST TO RIM JOIST	(3) 16d, END NAIL
28	BRIDGING OR BLOCKING TO JOIST	(2) 8d, EACH END, TOENAIL

*USE (4) 16d END NAIL STUDS TO TOP AND SILL PLATES AT 2x10 STUDS



18 Typical Wall Framing
Scale: 3/4" = 1'-0"

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PROJECT # 19-161-01
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ISSUE DATE JANUARY 10, 2020
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STRUCTURAL WOOD DETAILS

SHEET #
S61.01

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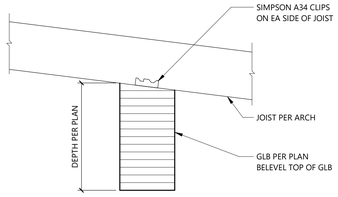
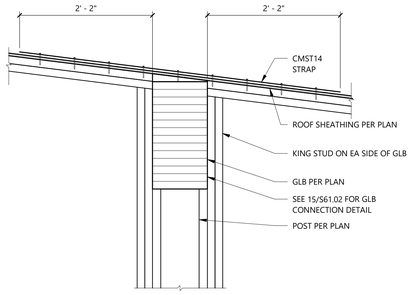
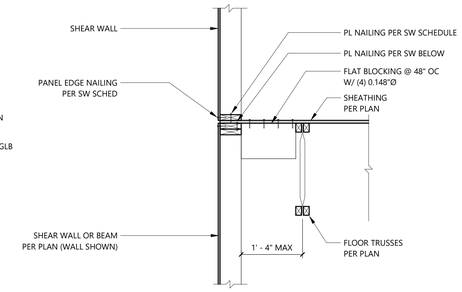


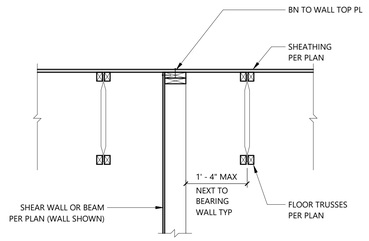
1 Exposed Joist Connection to Glulam Beam
Scale: 1" = 1'-0"



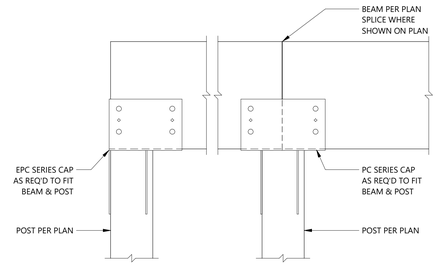
2 Glulam Beam Connection @ Shear wall
Scale: 1" = 1'-0"



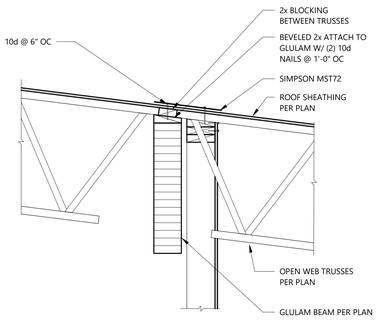
3 Typical Open-Web Joists Parallel
Scale: 3/4" = 1'-0"



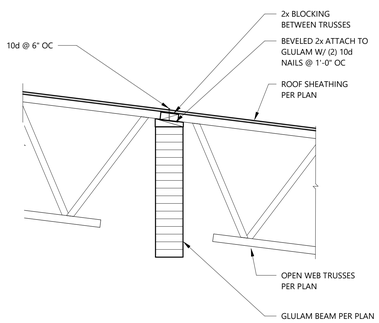
4 Typical Open-Web Joists Parallel over Shear Wall
Scale: 3/4" = 1'-0"



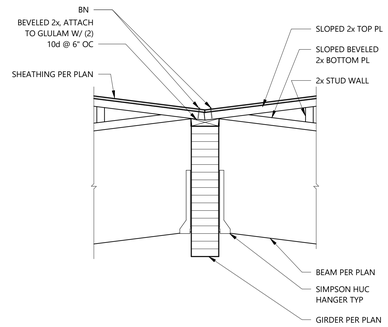
5 Typical Beam over Post
Scale: 1 1/2" = 1'-0"



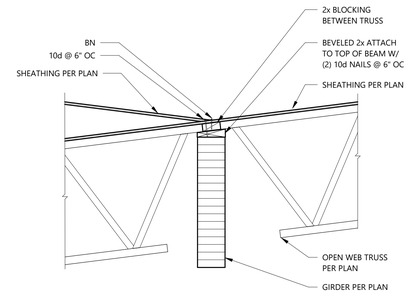
6 Trusses Attached to Glulam Beam Parallel to Wall
Scale: 1" = 1'-0"



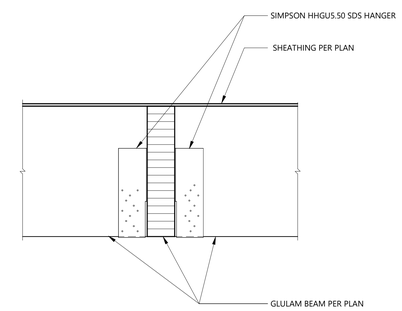
7 Trusses Attached to Glulam Beam
Scale: 1" = 1'-0"



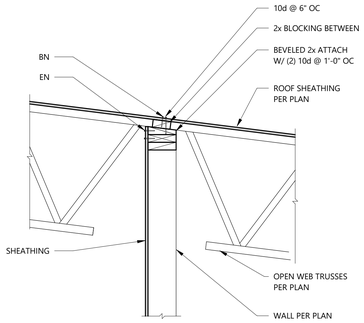
8 Glulam Beam to Glulam Beam at Roof
Scale: 1" = 1'-0"



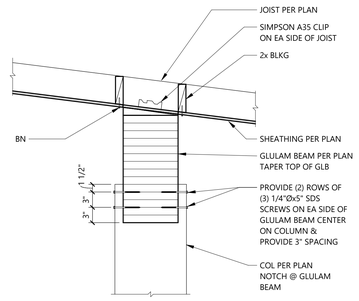
9 Trusses Attached to Glulam Beam at Roof
Scale: 1" = 1'-0"



10 Glulam Beam to Glulam Beam Connection
Scale: 1" = 1'-0"



12 Truss Attached at Top of Wall
Scale: 1" = 1'-0"



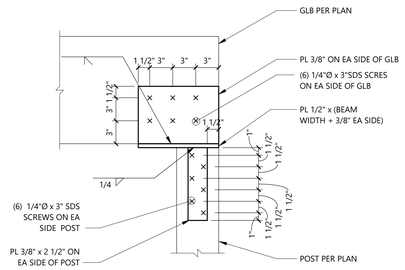
13 Glulam to Round Timber Column Connection
Scale: 1" = 1'-0"

HOLDOWN SCHEDULE

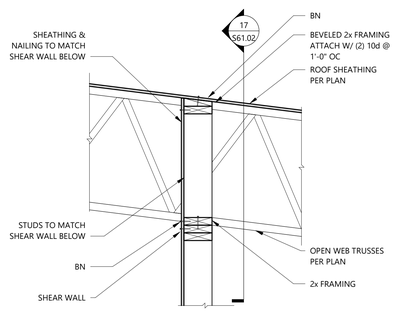
Mark	Framing Attachment: M	Framing Attachment: Fasteners (SDS 1/4 x 2 1/2)	D	Anchorage: Anchor Type	Anchorage: Embed
HDU2	3"	6	5/8"	ANCHOR BOLT	1' - 6"
HDU4	3"	10	5/8"	ANCHOR BOLT	1' - 6"
HDU8	4 1/2"	20	4 1/4"	7/8"Ø	1' - 6"

NOTES:
1. INSTALL ALL HOLDOWNS PER MANUFACTURER'S INSTRUCTIONS.
2. PLACEMENT OF ALL ANCHORS IS BASED ON CAST-IN-PLACE INSTALLATION, UNO. POST-INSTALLED ANCHORS SHALL NOT BE INSTALLED WITHOUT PRIOR APPROVAL OF ENGINEER OF RECORD.
3. "M" INDICATES MINIMUM DEPTH OF WOOD FRAMING MEMBER ATTACHED TO HOLDOWN. ALL FRAMING MEMBERS SHALL BE HEM-FIR, UNO.
4. "D" INDICATES MINIMUM DISTANCE FROM END OF CONCRETE WALL/FOOTING AT CORNER AND WALL END CONDITIONS. REFER TO ELEVATION AND SECTION FOR PLACEMENT DETAILS. UNLESS NOTED OTHERWISE: THE DISTANCE FROM ANY ANCHOR TO THE END OF CONCRETE WALL/FOOTING SHALL BE NO LESS THAN TWICE THE EMBEDMENT DEPTH NOTED IN THE SCHEDULE.

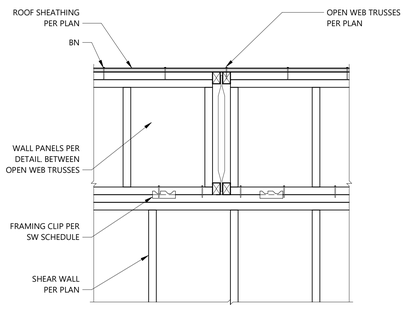
14 Typical Holdown Schedule
Scale: 3/4" = 1'-0"



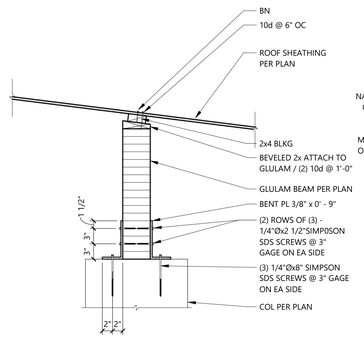
15 10 3/4 Glulam Beam Connection to Post
Scale: 1 1/2" = 1'-0"



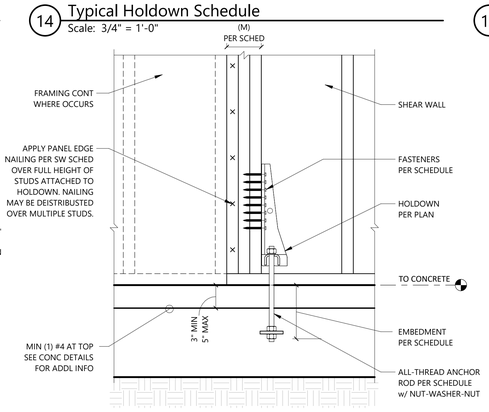
16 Typical Open Web Trusses Perp Over Shearwall
Scale: 1" = 1'-0"



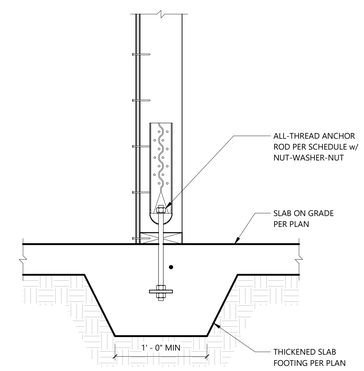
17 Elevation @ Roof Truss Blocking Above Shearwall
Scale: 1" = 1'-0"



18 Glulam to 20"Ø Round Timber Column
Scale: 1" = 1'-0"



HDU-AB Elevation



Section of HDU-AB

19 Typical Holdown - Anchor Bolt
Scale: 1 1/2" = 1'-0"

JAMESTOWN S'KALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PROJECT # 19-161-01

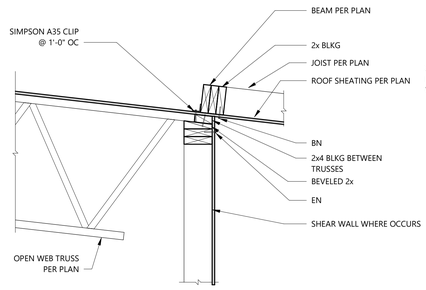
PERMIT SET

ISSUE DATE JANUARY 10, 2020

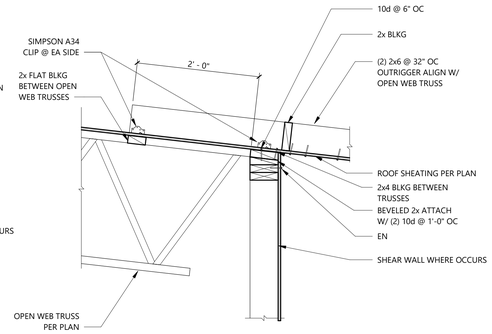
REVISION SCHEDULE

STRUCTURAL WOOD DETAILS

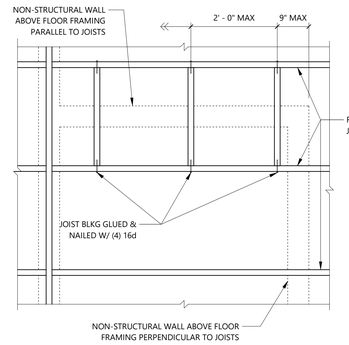
SHEET #
S61.02



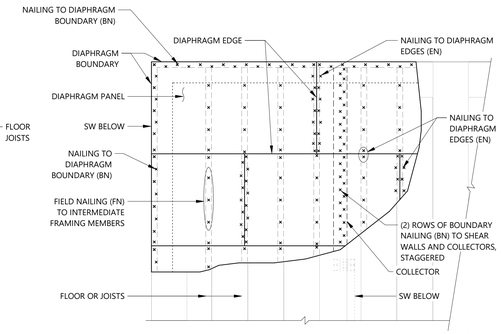
1 Exterior Joist to Wall Connection
Scale: 1" = 1'-0"



2 Typical Open Web Truss Outrigger
Scale: 1" = 1'-0"

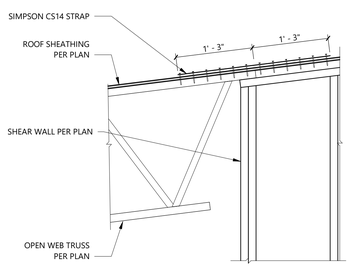


3 Floor Joist Blocking at Non-Structural Walls Above
Scale: 3/4" = 1'-0"

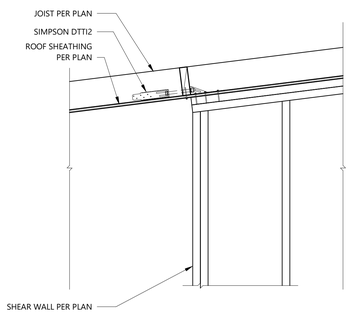


NOTES:
1. BEARING AND SHEAR WALL INTERSECTIONS SHALL BE CONSIDERED DIAPHRAGM BOUNDARIES, TYP

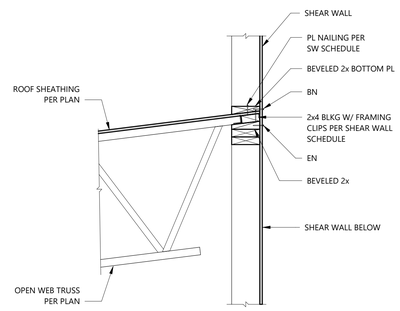
4 Unblocked Plywood Roof/Floor Sheathing Layout
Scale: 3/4" = 1'-0"



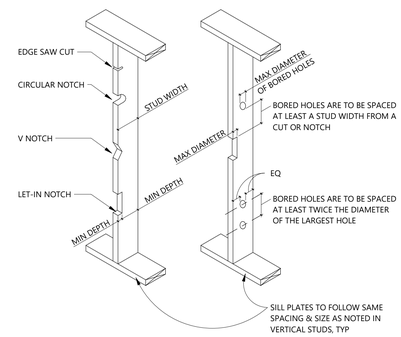
6 Open Web Truss to Shear Wall Connection
Scale: 1" = 1'-0"



7 Joist Connection to Shear Wall @ Exterior
Scale: 1" = 1'-0"



8 Open Web Truss Perp to Walls
Scale: 1" = 1'-0"



9 Allowable Holes and Notches in Wood Studs

EXTERIOR/BEARING/SHEAR WALL STUDS

Stud Size	Max Depth of Edge Cut or Notch	Min Stud Depth Remaining
2x6	1 3/8"	4 1/8"

Notes:
1. No cutting or notching is allowed in shear wall compression studs.
2. No cutting or notching is allowed in shear wall plates except as allowed in 14/S61.03

EXTERIOR /BEARING /SHEAR WALL STUDS

Stud Size	Max Diameter of Hole	Min Depth Remaining After Boring
2x6	2 1/8"	5/8" EA SIDE OF HOLE

Notes:
1. Borings shall not be made at the same section where cut or notch has been made.
2. No holes are allowed in shear wall compression studs.
3. No holes are allowed in shear wall plates except as allowed in 14/S61.03

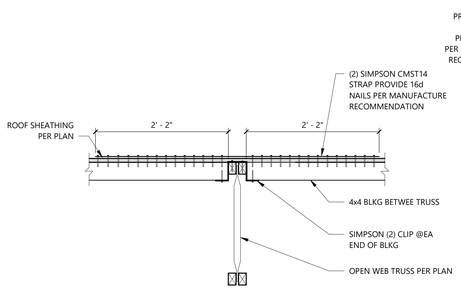
NON-BEARING WALL STUDS

Stud Size	Max Depth of Edge Cut or Notch	Min Stud Depth Remaining
2x6	2 1/8"	3 3/8"

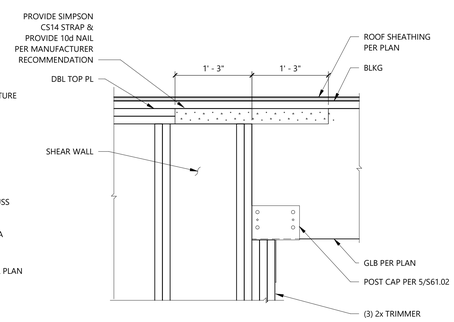
NON-BEARING WALL STUDS

Stud Size	Max Diameter of Hole	Min Depth Remaining After Boring
2x6	3 1/4"	5/8" EA SIDE OF HOLE

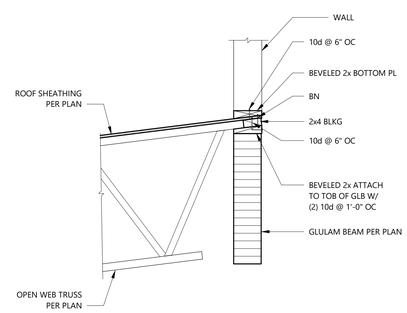
Notes:
1. Borings shall not be made at the same section where cut or notch has been made.



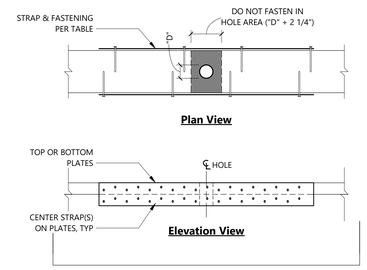
11 Drag Strut Perp to Roof Framing
Scale: 1" = 1'-0"



12 Glulam to Shear Wall Connection Perp to Roof Framing
Scale: 1" = 1'-0"



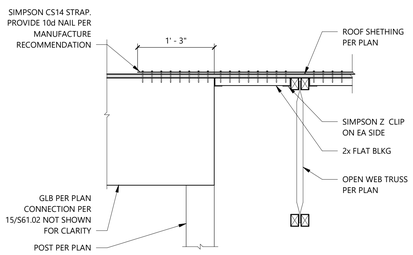
13 Open Web Truss Perp to Beam
Scale: 1" = 1'-0"



REINFORCING AT TOP PLATES PENETRATION

Plate Size	Hole Diameter "D" Inches	Strap
2x6	0" < "D" < 1 3/4"	NO STRAP REQUIRED
	1 3/4" < "D" < 3 5/8"	CMSTC16 W/ (13) 16d SINKERS EA SIDE OF HOLE, EA SIDE OF PL (2 STRAPS TOTAL
2x8	0" < "D" < 2 1/2"	NO STRAP REQUIRED
	2 1/2" < "D" < 4"	CMSTC16 W/ (14) 16d SINKERS EA SIDE OF HOLE, EA SIDE OF PL (2 STRAPS TOTAL
2x10	0" < "D" < 3"	NO STRAP REQUIRED
	3" < "D" < 6"	CMSTC16 W/ (21) 16d SINKERS EA SIDE OF HOLE, EA SIDE OF PL (2 STRAPS TOTAL

14 Typical Reinforcing at Bearing/Shear Wall Plate Penetration
Scale: 1 1/2" = 1'-0"



16 Strap at Exterior Glulam Beam
Scale: 1" = 1'-0"

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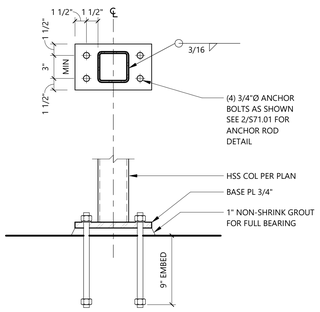
JAMESTOWN S'KALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

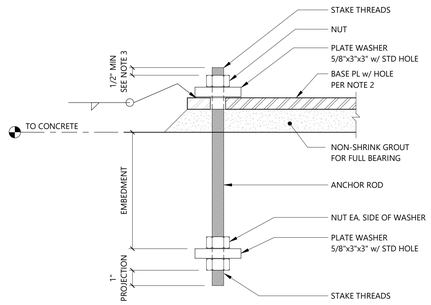
PROJECT # 19-161-01
PERMIT SET
ISSUE DATE JANUARY 10, 2020
REVISION SCHEDULE

STRUCTURAL WOOD DETAILS

SHEET #
S61.03

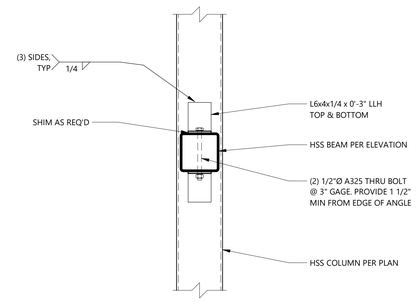


1 Typical HSS Column Base Plate at Footing
Scale: 1 1/2" = 1'-0"

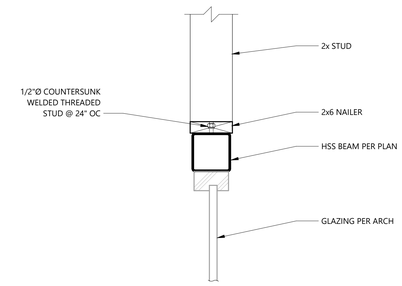


NOTES:
1. AT CONTRACTORS OPTION LEVELING NUTS AND PLATE WASHERS MAY BE FURNISHED.
2. MAXIMUM HOLE SIZES: 1-5/16" FOR 3/4"Ø ROD.
3. VERIFY SUFFICIENT THREAD ENGAGEMENT TO DEVELOP STRENGTH OF BOLT.

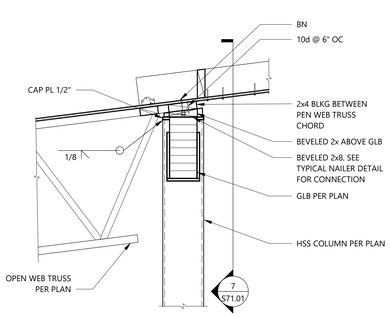
2 Typical Anchor Rod
Scale: 3" = 1'-0"



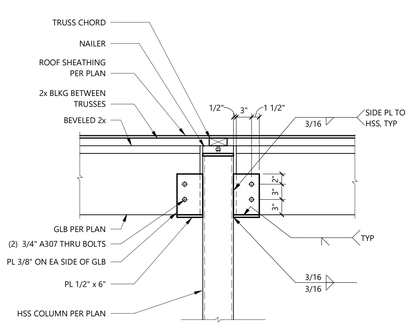
3 HSS to HSS Connection
Scale: 1 1/2" = 1'-0"



4 HSS Nailer Connection
Scale: 1 1/2" = 1'-0"



6 Truss at HSS Column and Glulam Beam
Scale: 1" = 1'-0"



7 Glulam Beam to Steel Connection
Scale: 1" = 1'-0"

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STATE OF WASHINGTON
21502
REGISTERED PROFESSIONAL ENGINEER
01/10/2020

JAMES TOWN S'KALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PROJECT # 19-161-01
PERMIT SET
ISSUE DATE JANUARY 10, 2020
REVISION SCHEDULE

STRUCTURAL STEEL DETAILS

SHEET #
S71.01

PROJECT DESCRIPTION

THE JAMESTOWN S'KLALLAM TRIBE OUTPATIENT CLINIC IS A NEW CONSTRUCTION PROJECT THAT WILL BE PART OF THE FUTURE JAMESTOWN S'KLALLAM TRIBE HEALTH CAMPUS. THE CLINIC FEATURES 16,720 SQUARE FEET OF MIXED-USE SPACE INCLUDING OFFICES, CONFERENCE ROOMS, A DENTAL TREATMENT CLINIC, COUNSELING SPACES, EXAM ROOMS, AND OTHER RELATED HEALTH ADMINISTRATION SPACES. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.

MECHANICAL SHEET LIST

M0.01	PROJECT INFORMATION & GENERAL NOTES
M0.02	2015 WSEC FORMS 1
M0.03	2015 WSEC FORMS 2
M0.04	2015 WSEC FORMS 3
M0.05	VENTILATION TABLE, HEATING AND COOLING LOAD SUMMARY
M0.06	MECHANICAL SCHEDULES
M1.01	MECHANICAL LEVEL 1 - VENTILATION
M1.02	MECHANICAL LEVEL 1 - SPACE CONDITIONING
M5.01	MECHANICAL DETAILS 1
M5.02	MECHANICAL DETAILS 2

C406_ADDITIONAL EFFICIENCY PACKAGE OPTIONS

THIS PROJECT IS REQUIRED TO COMPLY WITH A MINIMUM OF TWO (2) ADDITIONAL EFFICIENCY PACKAGE OPTIONS PER THE WASHINGTON STATE ENERGY CODE 2015, SECTION C406. THE PROJECT WILL COMPLY WITH THE FOLLOWING C406 MEASURES:

C406.3_REDUCED LIGHTING POWER

C406.6_DEDICATED OUTDOOR AIR SYSTEM (DOAS)

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
1 A101	SECTION/ELEVATION VIEW
1 A101	DETAIL VIEW
HP-1	EQUIPMENT TAG
1	SHEET NOTE TAG
1	REVISION TAG
1 SIZE FLOW	DIFFUSER/GRILLE TAGE
8"x10"	RECTANGULAR FREE AREA DUCT DIMENSIONS (8" WIDTH x 10" DEPTH)
6"Ø	ROUND DUCT FREE AREA DIMENSIONS (6" DIAMETER)
	FLEX DUCT
	AIR DIRECTION
	SUPPLY DUCT IN/OUT OF PAGE
	EXHAUST/RETURN DUCT IN/OUT OF PAGE
	THERMOSTAT
CO2	CO2 SENSOR
	DESCRIPTION
	ENVELOPE PENETRATION
	PUMP
	SUPPLY/EXHAUST FAN
P	PRESSURE GAGE
T	TEMPERATURE GAGE
	TURNING VANES

MECHANICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
ARCH	ARCHITECT
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
BTUH	BRITISH THERMAL UNITS PER HOUR
CD	CONDENSATE
CLG	COOLING
CTE	CONNECT TO EXISTING
CW	COLD WATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DDC	DIRECT DIGITAL CONTROL
DHW	DOMESTIC HOT WATER
DIA	DIAMETER
DN	DOWN
E	EXISTING
ELEV	ELEVATION
EWT	ENTERING WATER TEMPERATURE
FC	FAN COIL
FCO	FLOOR CLEANOUT
FLR	FLOOR
FP	FIRE PROTECTION
GC	GENERAL CONTRACTOR
GEO	GEOTHERMAL
GPM	GALLONS PER MINUTE
GWB	GYPSUM WALLBOARD
HTG	HEATING
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
INV	INVERT
LAV	LAVATORY
MECH	MECHANICAL
NFA	NET FREE AREA
OHP	OUTDOOR HEATPUMP
POC	POINT OF CONNECTION
PLUM	PLUMBING
PSI	POUNDS PER SQUARE INCH
REF	REFER/REFERENCE
RF	RELIEF FAN
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
TYP	TYPICAL
UV	UNIT VENTILATORS
VTR	VENT THRU ROOF
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WHF	WHOLE HOUSE FAN

MECHANICAL SYSTEMS COMMISSIONING NOTES

1. IN ACCORDANCE WITH THE 2015 WASHINGTON STATE ENERGY CODE (WSEC) SECTION C408 BUILDING COMMISSIONING SHALL BE COMPLETED FOR MECHANICAL SYSTEMS* (C403), SERVICE WATER HEATING SYSTEMS (C404), CONTROLLED RECEPTACLES AND LIGHTING SYSTEMS (C405), ENERGY METERING (C409), AND REFRIGERATION (C410).
   a. *EXCEPTION (C408.2) MECHANICAL SYSTEMS ARE EXEMPT FROM COMMISSIONING PROCESS WHERE THE BUILDING'S TOTAL MECHANICAL EQUIPMENT CAPACITY IS LESS THAN 240,000 BTU/H COOLING CAPACITY AND LESS THAN 300,000 BTU/H HEATING CAPACITY
   b. CONTRACTORS ARE REQUIRED TO PERFORM PRE-FUNCTIONAL PERFORMANCE TESTING OF ALL EQUIPMENT PRIOR TO FUNCTIONAL PERFORMANCE TESTING BY THE COMMISSIONING AGENT (C408.2.3). CONTRACTORS SHALL PROVIDE THE NECESSARY ASSISTANCE TO THE COMMISSIONING AGENT TO PERFORM COMMISSIONING DUTIES. CONTRACTORS SHALL BE RESPONSIBLE FOR TAKING CORRECTIVE ACTION IF ANY DEFICIENCIES ARE FOUND DURING COMMISSIONING.

2. THE BUILDING COMMISSIONING PROCESS DELIVERABLES ARE AS FOLLOWS:
   a. COMMISSIONING PLAN (C408.1.2) SHALL BE DEVELOPED BY THE PROJECT'S CERTIFIED COMMISSIONING PROFESSIONAL AND INCLUDED WITH THE CONSTRUCTION DOCUMENTS
   b. TESTING AND BALANCING (C408.2.2) ALL HVAC SYSTEMS SHALL BE BALANCED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING STANDARDS AND SPECIFICATIONS PRIOR TO COMMISSIONING.
   c. FINAL COMMISSIONING REPORT (C408.1.3) A FINAL COMMISSIONING REPORT SHALL BE COMPLETED AND CERTIFIED BY THE CERTIFIED COMMISSIONING PROFESSIONAL AND DELIVERED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT.

3. BUILDING DOCUMENTATION AND CLOSE OUT SUBMITTAL REQUIREMENTS (C103.6) OWNER TRAINING BY CONTRACTORS FOR EACH PIECE OF EQUIPMENT OR SYSTEM SHALL INCLUDE:
   a. SYSTEM/EQUIPMENT OVERVIEW (WHAT IT IS, WHAT IT DOES, AND WHICH OTHER SYSTEMS OR EQUIPMENT DOES IT INTERFACE WITH).
   b. REVIEW OF AVAILABLE O&M MATERIALS. REVIEW OF THE RECORD DRAWINGS ON THE SUBJECT SYSTEM/EQUIPMENT.
   c. HANDS-ON DEMONSTRATION OF ALL NORMAL MAINTENANCE PROCEDURES, NORMAL OPERATING MODES, AND ALL EMERGENCY SHUTDOWN AND START-UP PROCEDURES.

ENERGY CODE NOTES

1. SEE MECHANICAL AND PLUMBING SCHEDULES FOR EQUIPMENT TYPE, CAPACITY AND EFFICIENCY.

2. PROVIDE THERMOSTAT CONTROLS CAPABLE OF A FIVE (5) DEGREE DEADBAND BETWEEN HEATING AND COOLING.

3. PROVIDE AUTOMATIC SETBACK CONTROLS WITH NIGHT SETBACK AND SEVEN (7) DIFFERENT DAY TYPES.

4. PROVIDE DAMPERS FOR OUTSIDE AIR INTAKES AND EXHAUST FANS WHICH CLOSE AUTOMATICALLY WHEN THE SYSTEM IS OFF, EXCEPT FOR THOSE SYSTEMS WHICH OPERATE CONTINUOUSLY WITH LESS THAN 20 CFM/SF LEAKAGE FOR BAROMETRIC DAMPERS, AND LESS THAN 10 CFM/SF LEAKAGE FOR MOTORIZED DAMPERS.

5. PROVIDE MICROPROCESSOR-BASED THERMOSTAT FOR HEAT PUMP CONTROLS.

6. PROVIDE A MEANS OF BALANCING EVERY AIR SUPPLY OUTLET AND AIR OR WATER TERMINAL DEVICE.

7. SIMULTANEOUS HEATING AND COOLING IN A ZONE IS NOT PERMITTED.

8. SEAL TRANSVERSE SEAMS OF ALL DUCTWORK.

9. SEALING TO CONTROL BUILDING ENVELOPE AIR LEAKAGE AND AIR TIGHTNESS TESTING IS REQUIRED PER 2015 WSEC SECTIONS C402.5.1 THROUGH C402.5.8.

10. DUCTWORK AND PLENUMS SHALL BE THERMALLY INSULATED IN ACCORDANCE WITH 2015 WSEC SECTION C403.2.8.

11. ALL PIPING SHALL BE THERMALLY INSULATED TO MEET SPECIFICATIONS SET IN PIPE INSULATION TABLE ON SHEET P0.01 PLUMBING SCHEDULE AND GENERAL NOTES.

12. ALL ELECTRIC MOTORS GREATER THAN 1.0 HP SHALL MEET THE REQUIREMENTS OF 2015 WSEC SECTION C403.2.14.

13. WATER HEATING EQUIPMENT AND STORAGE TANKS SHALL MEET THE MINIMUM REQUIREMENTS OF TABLE C404.2 OF THE 2015 WSEC.

GENERAL NOTES

1. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING OR EVERY OFFSET WHICH MAY BE REQUIRED. THE HVAC CONTRACTOR IS TO COORDINATE WITH ALL OTHER TRADES AND IS TO VERIFY ALL CLEARANCES BEFORE COMMENCING WORK.

2. MATERIALS, METHODS, AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE WASHINGTON STATE ENERGY CODE (WSEC), INTERNATIONAL MECHANICAL CODE (IMC) WITH WASHINGTON STATE AMENDMENTS, INTERNATIONAL BUILDING CODE (IBC) WITH WASHINGTON STATE AMENDMENTS, INTERNATIONAL FIRE CODE (IFC) AND OTHER APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.

3. DUCT CONSTRUCTION AND HANGINGS SHALL COMPLY WITH THE LATEST IMC AND WITH CURRENT SMACNA STANDARDS.

4. JOINTS OF DUCT SYSTEM SHALL BE SEALED WITH DUCT MASTIC.

5. DUCTS SHALL BE INSULATED AS INDICATED ON PLANS TO MEET THE REQUIREMENTS OF CURRENT CODES AND SPECIFICATIONS.

6. FLEXIBLE DUCTS SHALL ONLY BE USED WHERE SHOWN AND SHALL NOT EXCEED 6 FT IN LENGTH UNLESS NOTED OTHERWISE.

7. PROVIDE EARTHQUAKE RESTRAINT FOR HVAC EQUIPMENT IN ACCORDANCE WITH THE CURRENT IBC.

8. PIPING PENETRATIONS OF FIRE RATED WALLS OR FLOOR SHALL BE SLEEVED AND FIRE STOPPED WITH LISTED MATERIALS SO AS TO MAINTAIN THE INTEGRITY AND RATING OF THE FLOOR OR WALL.

9. HVAC EQUIPMENT, VALVES, AND DAMPERS SHALL BE LOCATED IN EASILY ACCESSIBLE LOCATIONS, UNLESS SHOWN ON ARCHITECTURAL DRAWINGS. REQUIRED ACCESS PANELS SHALL BE PROVIDED BY THE HVAC CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.

10. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF EXPOSED DUCTWORK AND GRILLES.

11. ALL DUCT DIMENSIONS INDICATE FREE AREA. SOUND LINING AND EXTERIOR INSULATION ARE LABELED AS SUCH.

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PROJECT # 2018136.01

PERMIT SET

ISSUE DATE JANUARY 10, 2020

REVISION SCHEDULE

MECHANICAL PROJECT INFORMATION & GENERAL NOTES

SHEET #
M0.01

Project Summary, pg 1 — PROJ-SUM

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

General Info

PROJ-SUM form shall be provided as a cover sheet for all compliance form submittals. ***Project Title*** *shall match project plans title block.*

Project Title:	**JAMESTOWN S'KLALLAM TRIBE OUTPATIENT CLIN**	Date	1/10/2020
Project Street Address:	526 S 9TH AVE	For Building Department Use	
Project City, County, Zip:	Sequim, WA 98382		
Project Owner or Rep:	JAMESTOWN S'KLALLAM TRIBE		
Jurisdiction:	2015 WASHINGTON STATE ENERGY CODE (WSEC)		

Project Description

Select all that apply to the scope of project.

Select Addition + Existing or Alteration + Existing if the existing building will be combined with the addition or alteration to demonstrate compliance per Section C502.1 or C503.1.

New Construction and Additions

- [x] New Building
- [ ] Building Addition

Existing Building Retrofit

- [ ] Alteration
- [ ] Change of Occupancy
- [ ] Change in Space Conditioning
- [ ] Historic Building

Building Elements Scope - Select all that apply

- [ ] All
- [x] Building Envelope
- [ ] Mechanical Systems
- [ ] Service Hot Water Systems
- [ ] Lighting Systems
- [ ] Electrical Systems

Occupancy Type

- (●) All Commercial
- ( ) Group R - R2, R3, & R4 over 3 stories and all R1
- ( ) Mixed Use

Mixed Use *- Building is greater than three stories above grade and it has both Commercial and Group R occupancies.*

Mixed Occupancy *- Building is three stories or less above grade and it has both Commercial and Group R2, R3 or R4 occupancies. Select All Commercial to document compliance for the commercial areas of the building. The residential spaces shall comply with the WSEC Residential Provisions.*

Space Conditioning Categories

Select all that apply to the scope of project

- [x] Fully Conditioned
- [ ] Semi-heated[2]
- [ ] Refrigerated Spaces (Warehouse and/or Walk-in[1])
- [ ] Low Energy Space Category[3]

Eligible Low Energy Spaces

- [ ] Unconditioned
- [ ] Low energy heating/cooling capacity
- [ ] Wireless service equipment shelter
- [ ] Greenhouse[4]
- [ ] Equipment building

Floor Area and Stories

Floors Above Grade	Building Gross Conditioned Floor Area	Project Gross Conditioned Floor Area
1	16,720	16,720

General Compliance Path

- (●) Compliance Method 1 - General
- ( ) Compliance Method 2 - Total Building Performance

Compliance Method 1 *- Projects shall demonstrate compliance with all applicable mandatory and prescriptive requirements of this code. Refer to C401.2, Item 1 for more information. Compliance forms to include with a Prescriptive submittal: All applicable ENV, LTG, and MECH.*

Compliance Method 2 *- Projects complying via total building performance (TBP) shall include a summary of results from a whole building energy model per Section C407 and shall demonstrate compliance with all applicable mandatory provisions in this Code. Refer to Section C401.2, Item 2 for more information. Compliance forms to include with a TBP submittal: PROJ-SUM, ENV-CHK, LTG-EXT, LTG-CHK, and all MECH forms except MECH-ECONO and MECH-VENT (pending).*

Note 1 - Refrigerated Spaces - They shall comply with the envelope and refrigeration equipment requirements in Section C410. Warehouse coolers and freezers shall also comply with the envelope requirements in C402. C410 takes precedent for overlapping requirements.
Note 2 - Semi-heated Spaces - If heated with equipment other than electric resistance may take an exemption for wall insulation. All other envelope assemblies shall comply with the thermal envelope provisions.
Note 3 - Exemptions For Low Energy Spaces - Low Energy spaces are exempt from all provisions in WSEC Section C402 Building Envelope, however all other applicable provisions in the Code do apply including lighting, mechanical, service water heating, etc.
Note 4 - Eligible Space Conditioning For Low Energy Greenhouses - Greenhouses are defined as spaces that maintain a specialized sunlit environment that is used exclusively for cultivation, protection and maintenance of plants. Cooling with outside air and/or evaporative cooling, and any form of heating equipment, are allowed under the Low Energy Greenhouse category. Greenhouses with cooling equipment that requires a condensing unit are NOT eligible.

Project Summary, pg 2 — PROJ-SUM

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

General Info

Project Title:	**JAMESTOWN S'KLALLAM TRIBE OUTPATIENT CLIN**	Date	1/10/2020

C406 Additional Efficiency Package Options Summary

A minimum of two Options are required for new construction, and change in space conditioning or occupancy projects.

Select all Options included in the current project scope. Also select Options complied with under previous projects (shell and core, other tenant spaces in building, etc)

Buildings with multiple tenant spaces may comply with different options (mix & match).

Options are required for all space conditioning categories.

Include discipline specific information for C406 options in ENV-SUM, LTG-SUM and

Refer to SBCC website for official interpretations regarding C406 provisions.

Building level efficiency options:	Current Scope	Previous Projects
C406.8 Enhanced envelope performance	[ ]	[ ]
C406.9 Reduced air infiltration	[ ]	[ ]
C406.5 On-site renewable energy	[ ]	[ ]
Building area level efficiency options		
C406.2 More efficient HVAC equipment	[ ]	[ ]
C406.6 Dedicated outside air systems (DOAS)	[x]	[ ]
C406.7 Reduced energy use in service water heating	[ ]	[ ]
C406.3 Reduced lighting power	[x]	[ ]
C406.4 Enhanced digital lighting controls	[ ]	[ ]

C406 Comments:

Envelope Summary — ENV-SUM

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

Project Info

Applicant Info. *Provide contact information for individual who can respond to inquiries about information provided.*

Project Title:	**JAMESTOWN S'KLALLAM TRIBE OUTPATIENT CLINIC**	Date	01/10/2020
Company Name:	**Ecotope, Inc.**	For Building Department Use	
Company Address:	**1917 1st Avenue, Suite 300**		
Applicant Name:	**Greg Wentzell**		
Applicant Phone:	**206-596-4726**		
Applicant Email:	**greg@ecotope.com**		

Project Description

- [x] New Building
- [ ] Addition
- [ ] Alteration
- [ ] No Envelope Scope

Envelope Project Scope

Select all that apply.

- [x] All Commercial
- [ ] Group R - Commercial
- [ ] Mixed Use - Commercial + Group R
- [ ] Semi-heated
- [ ] Refrigerated Cooler
- [ ] Refrigerated Freezer
- [ ] Equipment Building

Envelope Description

Provide brief description of the project and relevant supporting documentation.

If project includes multiple Target Insulation Allowance areas, and/or is demonstrating compliance as an Addition + Existing, Alteration + Existing, or Addition + Alteration + Existing project, provide a brief summary of the approach to whole building compliance.

The project consists of a single floor of commercial space. The envelope is insulated to code minimum or greater levels. Exterior walls are clad with either cedar siding or fiber cement panels, and interior walls are wood-framed. The interior wood walls are insulated with R-13 batts and rigid insulation (R-10ci). The roof is a standing seam metal roof with continuous insulation (R-38ci). The floors are insulated with perimeter R-10 insulation. The slab edges are uninsulated; the slab is insulated with 2 ft. of horizontal rigid insulation (R-10) extending to 2 ft. under the slab.

Air Barrier Testing

Air barrier testing is required for all new construction projects. Testing criteria is 0.40 cfm/ft² under test pressure of 0.3 inch w.g.

To comply with C406.9, demonstrate that measured air leakage of building envelope

- [x] Air barrier testing per Section C402.5.1.2 included in project scope
- [ ] Additional Efficiency Package Option - C406.9 Reduced Air Infiltration
- [ ] Testing not required. Explanation: _____

Compliance Documentation Scope and Method

Scope of This Calculation

- [x] New Building
- [ ] Addition
- [ ] Alteration
- [ ] No Envelope Scope

Target Insulation Allowance

Sets the title and calculations in the compliance forms. Selection required to enable forms.

- (●) Fully Conditioned - Commercial, Group R, Mixed Use
- ( ) Semi-heated
- ( ) Refrigerated Cooler
- ( ) Refrigerated Freezer

If project includes more than one Target Insulation Allowance area, and/or if project includes addition and alteration areas complying independently, for each area complete an ENV-SUM form Rows 16-46 and either an ENV-PRESCRIPTIVE form, or ENV-UA + ENV-SHGC forms if demonstrating compliance via component performance.

Envelope Compliance Path

Selection required to enable forms.

- ( ) Prescriptive
- (●) Component Performance

Component Performance Calculation Adjustments

- [ ] Change of Occupancy (C503.2) / Conditioning (C505) - *10% higher UA allowed*
- [ ] Additional Efficiency Package Option - C406.8 Enhanced Envelope - *15% lower UA required*

Additions

- ( ) Addition stand alone
- ( ) Addition + Existing

Addition stand alone *- Complete Vertical Fenestration and Skylight Area Calculation. Enter total existing-to-remain wall, roof, vertical fenestration and skylight areas as EXISTING. Enter total addition envelope assembly areas as NEW. If resulting total building WWR exceeds 30% and/or SSR exceeds 5%, refer to C502.2.1 and C502.2.2 for prescriptive compliance alternatives. If complying via component performance, complete ENV-UA per instructions for addition stand alone projects.*

Addition + existing *- Complete ENV-UA per instructions for addtion + existing projects.*

Alterations - Fenestration and Skylight

- [ ] Replacement windows only, or resulting total building WWR ≤ original WWR
- [ ] Total building WWR increased by alteration
- [ ] Replacement skylights only, or resulting total building SRR ≤ original SRR
- [ ] Total building SRR increased by alteration

WWR and SRR not increased *- Vertical Fenestration and Skylight Area Calculation not required.*

WWR and/or SRR increased *- Complete Vertical Fenestration and Skylight Area Calculation. Enter total existing-to-remain wall, roof, vertical fenestration and skylight areas as EXISTING. Enter total altered envelope assembly areas as NEW. If resulting total building WWR exceeds 30% and/or SSR exceeds 5%, refer to C503.3.2 and C503.3.3 for prescriptive compliance alternatives. If complying via component performance, complete ENV-UA per instructions for alteration + existing projects.*

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PROJECT # 2018136.01

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2015 WSEC FORMS 1

SHEET #
M0.02

Envelope Summary, pg. 2 — ENV-SUM

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

Project Title:	JAMESTOWN S'KLALLAM TRIBE OUTPATIENT CLINIC	Date	01/10/2020

Vertical Fenestration and Skylight Area Calculation

Prescriptive Path *- Enter envelope sf values directly into this section of ENV-SUM for vertical fenestration, skylights, net walls and roof. For Additions and Alterations, refer to these sections in ENV-SUM for further instructions.*

Component Performance *- When this Envelope Compliance Path is selected, write-protection of this section is enabled. Enter envelope sf values for all assemblies into the ENV-UA form. Envelope information from ENV-UA will auto-fill into this section of ENV-*

	Total Vertical Fenestration Area (rough opening)	NET Exterior Above Grade Wall Area	Total Skylight Area (rough opening)	NET Exterior Roof Area
New	2,319	8,685	0	17,576
Existing	0	0	0	0
Total	2,319	8,685	0	17,576

Vertical Fenestration-to-Wall Ratio (WWR): **21.1%**

Skylight-to-Roof Ratio (SRR)

Vertical Fenestration Area Compliance	**VERTICAL FENESTRATION AREA COMPLIES WITH MAXIMUM ALLOWANCE**
Skylight Area Compliance	**NO SKYLIGHT PROPOSED. COMPILIES WITH MAXIMUM ALLOWANCE.**

Vertical Fenestration Alternates

- ○ High performance fenestration U-factors and SHGC per C402.4.1.3
- ◉ Dedicated outdoor air system per C402.4.1.4 and C403.6

Show locations of qualifying daylight zone (DLZ) areas and ft² on project plans.

For Daylight Zone Area Calculations -
a) Sidelight areas include primary + secondary daylight zone areas.
b) Include overlapping toplight and sidelight daylight zone areas under Toplight.
c) Net floor area definition in Chapter 2.

- ○ In buildings ≥ 3 stories, 25% or more of NET floor area is in DLZ per C402.4.1.1
- ○ In buildings < 3 stories, 50% or more of CONDITIONED floor area is within DLZ per C402.4.1.1

Daylight Zone Calculations

Daylight Zone Fenestration Alternate Not Selected. No Calculations Required	Sidelight Daylight Zone Area	Toplight Daylight Zone Area	Percent Daylight Zone Area

Spaces in Single Story Building Requiring Skylights

In these spaces a minimum of 50% of the floor area shall be within a skylight daylight zone (DLZ). Refer to C402.4.2 for requirements.

SRR = Skylight to roof ratio

List all enclosed spaces that exceed 2,500 ft², have ceiling height greater than 15 ft, and are space types required to comply with this provision. Indicate aperture with "AP" prefix (AP 1.1%)

Space	Space Area (ft²)	DLZ Area (ft²)	SRR or Aperture	Exception

Envelope Exemptions

Low Energy and Semi-heated Spaces

Low energy spaces per C402.1.1 Item 1 are exempt from the thermal envelope provisions. Semi-heated spaces heated by systems other than electric resistance are exempt from wall insulation provision only per C402.1.1.1.

Complete Low Energy and Semi-Heated Spaces table in MECH-SUM to verify eligibility based on installed peak heating and cooling capacity per sf.

Equipment Buildings

Equipment buildings are exempt from the thermal envelope provisions per C402.1.2.

The following shall be met to be eligible: building size ≤ 500 sf, average wall/roof U-factor ≤ U-0.20, electronic equipment load ≥ 7 watts/sf, heating system output capacity ≤ 17,000 btu/h. Cooling system capacity not limited.

	Wall Insulation R-Value	Roof Insulation R-Value	Overall Average U-Factor
Equipment Building Envelope			

Electronic equipment power (watts/sf)	
Heating system output capacity (Btu/hr)	
Cooling capacity (Yes/No)	

SHGC Calculation — ENV-SHGC

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

Project Title:	JAMESTOWN S'KLALLAM TRIBE OUTPATIENT CLINIC	Date	01/10/2020

For Building Department Use

Target Insulation Allowance:

Fully Conditioned Space - Commercial, Group R, Mixed Use

Fenestration Area as % gross above-grade wall area — **21.1%** Max. Target: **40.0%**

Skylight Area as % gross roof area — **0.0%** Max. Target: **5.0%**

Vertical Fenestration Alternates:

Dedicated Outdoor Air System

Notes: 1 - Proposed vertical fenestration and skylight areas entered in ENV-SHGC must match proposed fenestration areas in ENV-UA.
2 - If Target Area Adjustment is required per ENV-UA, then target areas will be automatically adjusted in ENV-SHGC. Refer to Target Area Adjustments worksheet for this calculation.
3 - Fenestration assembly SHGC shall be the manufacturer's NFRC product rating, or shall be the default value per Section C303.1.3.
4 - Fenestration that separates conditioned space from a non-conditioned space shall be included in this worksheet. Enter target SHGC values for this fenestration under proposed SHGC, so it is neutral to the calculation.

User Note

Skylights		Proposed SHGC			Target SHGC		
Sch. ID	Provide SHGC source and fenestration schedule ID	SHGC	x Area (A)	= SHGC x A	SHGC	x Area (A) =	SHGC x A
					0.35		
					SHGC		0.35
		Skylight Totals					

All Non-North Vertical Fenestration+				Proposed SHGC			Target SHGC ++			
Sch. ID	Provide SHGC source and fenestration schedule ID	PF	SHGC	x Area (A)	= SHGC x A	PF Category	SHGC	x Area (A) =	SHGC x A
A50.01	Pilkingto energy Advantage Triple Pane Low-e	0	0.50	573	287	PF < 0.2	0.40	573	229.2
A50.01/5	Pilkingto energy Advantage Triple Pane Low-e	0.78	0.53	573	304	0.2≤PF<0.5	0.48		
A50.01/2	Pilkingto energy Advantage Triple Pane Low-e	0.74	0.50	468	234	PF ≥ 0.5	0.64	1041	666
						++ If projection factor (PF) credits are applied to the proposed design, Target SHGC will sum fenestration area by PF category.			
				Non-North Window Totals	1614.0	824.2		1614.0	895.4

+ If PF credit is applied, then vertical fenestration must be entered in the correct table according to orientation. If credit is not applied then all vertical fenestration can be entered in either table.

North Vertical Fenestration+				Proposed SHGC			Target SHGC++			
Sch. ID	Provide SHGC source and fenestration schedule ID	PF	SHGC	x Area (A)	= SHGC x A	PF Category	SHGC	x Area (A) =	SHGC x A
A50.01	Pilkingto energy Advantage Triple Pane Low-e	0	0.50	705	353	PF < 0.2	0.53	705	373.7
						0.2≤PF<0.5	0.58		
						PF ≥ 0.5	0.64		
						++ If projection factor (PF) credits are applied to the proposed design, Target SHGC will sum fenestration area by PF category.			
				North Window Totals	705.0	352.5		705.0	373.7

TO COMPLY - The Proposed Total SHGC x A shall not exceed the Target Total SHGC x A.

	Area	SHGC x A	Area	SHGC x A
Total (Skylight + Window)	2319.0	1176.7	2319.0	1269.1

Component Performance Compliance (SHGC) — SHGC COMPLIES

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2015 WSEC FORMS 2

SHEET #
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Component Performance Path, pg. 1 — ENV-UA

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

Project Title: JAMESTOWN S'KLALLAM TRIBE OUTPATIENT CLINIC — Date 01/10/2020 — For Building Department Use

Target Insulation Allowance
Fully Conditioned Space - Commercial, Group R, Mixed Use

Calculation Adjustments
None Applied

Fenestration Area as % gross above-grade wall area — 21.1% — Max. Target: 40.0%

Skylight Area as % gross roof area — 0.0% — Max. Target: 5.0%

Vertical Fenestration Alternates: Dedicated Outdoor Air System

For Stand-alone Projects[13,14]	Vertical Fenestration		Net Wall		User Note	
Existing-to-remain Areas	Skylights		Net Roof			

Building Component

	Cavity+CI	Plan/Detail #	U-factor Source & Table # [4]	Proposed U-factor	Proposed x Area (A)	Proposed = UA (U x A)	Target U-factor	Target x Area (A) =	Target UA (U x A)
Roofs – Deck	R= 38ci	A02.01/4.1	Metal standing seam roof w/ min R-38 continuous insulation (Table A102.2.5)	0.026	17576	448.2	0.027	17576	474.6
							Above Deck Insulation		U-0.027
Roofs – Mtl Bld							0.031		
							Metal Building		U-0.031
Roofs – Joist/Rftr							0.027		
							Joist/single rafter		U-0.027
Roofs – Attic/Oth							0.021		
							Single raft, attic, other		U-0.021
Opaque Walls - Above Grade[4,8] – Steel							0.055		
							Steel/metal frame		U-0.055
Opaque Walls - Above Grade[4,8] – Mtl Bld.							0.052		
							Metal Building		U-0.052
Opaque Walls - Above Grade[4,8] – Wood/Oth.	R= 13+10ci	A02.01/2	R-13 batt, R-10 rigid c.i., wood siding or fiber cement panels (Table A103.3.1(2))	0.044	8526	375.1	0.054	8526	460.4
							Wood Frame, other		U-0.054
Opaque Walls - Above Grade[4,8] – Mass[3]							0.104		
							Mass Wall		U-0.104
Opaque Walls - Above Grade[4,8] – Transfer[6]							0.200		
							Mass Transfer Deck		U-0.20
Group R Mass[7]							0.078		
							Group R Mass Wall		U-0.078
Below Grade Walls[4] – Comm							0.104		
							Assumed to be Mass Wall		U-0.104
Below Grade Walls[4] – Group R							0.078		
							Assumed to be Mass Wall		U-0.078
Floors – Mass							0.031		
							Mass Floor		U-0.031
Floors – Framed							0.029		
							Joist/Framing		U-0.029

	Area[1]	UA	Area[1]	UA
Page 1 Subtotal	26102	823	26102	935

Component Performance Compliance (UA) — **UA COMPLIES**

Note 1 - If vertical fenestration or skylight area exceeds maximum allowed per C402.4.1, then Target Area Adjustment of all applicable envelope elements will be calculated automatically by the compliance form. Refer to Target Area Adjustments worksheet for this calculation.
Note 2 - Opaque assembly U-factors shall come from Appendix A or be calculated per approved method as specified in C402.1.5.1.
Note 3 - Proposed CMU mass wall in non-Group R that meet Table C402.1.4 Footnote D requirements can enter the target U-value of 0.104.
Note 4 - Semi-heated spaces - For spaces eligible for this wall insulation exception, the UA calculation excludes all wall assemblies. However, wall area values are required to run the window-to-wall ratio calculation. Enter into form all wall types in the semi-heated space. Enter the sf area of each wall type and enter "1" for the U-factor.
Note 5 - Mass transfer slab edges must be covered with an assembly having an overall U-factor of 0.2.
Note 6 - Demising walls, doors, and vertical fenestration separating spaces with different degrees of space conditioning (unconditioned, semi-heated, fully conditioned) shall be included only on the ENV-UA form for the space with the greatest degree of space conditioning.
Note 7 - List Group R above grade mass walls here. List all other above grade walls, Commercial and Group R, in the Opaque Walls - Above Grade section.
Note 8 - Slab-on-grade F-Factors shall come from Appendix A or calculated per approved method as specified in C402.1.5.1.
Note 9 - Opaque door U-factors shall come from Appendix A or calculated per approved method as specified in C402.1.5.1. A door is defined as opaque if less than 50% of the door area has glazing.
Note 10 - Fenestration assembly U-Factors shall be the manufacturer's NFRC product rating, which includes the glazing and frame, or shall be the default value per Section C303.1.3.
Note 11 - Refrigerated Coolers - Target U-factors for cooler roof, wall and door assemblies are per C410. Enter proposed information under the most similar assembly type. Target F-factors for slab-on-grade floors are per C402. Target U-factors for floors that separate a cooler from a non-cooler space (unconditioned and conditioned) are per C402. Target U-factors for vertical fenestration (not within cooler doors) are per C402. Enter only the opaque portion of refrigerated space doors. Windows within doors and reach-in display case doors shall comply with C410 prescriptive requirements.
Note 12 - Refrigerated Freezers - Target U-factors for freezer roof, wall and door assemblies are per C410. Enter proposed information under the most similar assembly type. Target U-factor for insulated freezer floors is per C410. Insulation is required under the entire freezer floor. Enter proposed information in the Freezer Floor section. If the freezer floor assembly rests on top of a standard floor, the vertical edge of the freezer floor shall be entered as a section of freezer wall. If freezer floor insulation is installed as integral to or applied underneath a slab-on-grade or exposed floor, this floor area shall be thermally broken from the surrounding floor. Enter proposed thermal break information in the Freezer Floor section and note it as In-Floor Thermal Break. Enter only the opaque portion of freezer doors. Windows within doors and reach-in display case doors shall comply with C410 prescriptive requirements.
Note 13 - Stand alone projects - Enter total existing-to-remain sf areas for net above grade walls (including opaque doors), net roof, vertical fenestration and skylights in section provided at top of ENV-UA form. Enter UA information for new envelope assemblies in Building Components section.
Note 14 - Addition + Existing, Alteration + Existing, Addition + Alteration + Existing projects - Enter sf areas and estimated U-factors for all existing-to-remain envelope assemblies in Building Components section. Identify these assemblies as EXISTING in U-factor Source & Table # column. Enter UA information for new addition and altered envelope assemblies in Building Components section. Existing and new information will autofill into the Vertical Fenestration and Skylight Area Calculation section of ENV-SUM as all NEW. Does not affect calculation results.

Component Performance Path, pg. 2 — ENV-UA

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

Project Title: JAMESTOWN S'KLALLAM TRIBE OUTPATIENT CLINIC — Date 01/10/2020 — For Building Department Use

Fenestration Area as % gross above-grade wall area — 21.1% — Max. Target: 40.0%

Skylight Area as % gross roof area — 0.0% — Max. Target: 5.0%

Building Component

	Ins. R	Plan/Detail #	F-factor Source & Table # [8]	Proposed F-factor	Proposed x Perimeter	Proposed = FP(F x P)	Target F-factor	Target x Perimeter =	Target UA (U x A)
Slab-on-grade – Unheated	R= 10	A02.01/4.1	R-10 Rigid insul. Min 24" horizontally on unheated slab (Table A106.1)	0.700	668	467.6	0.540	668	360.7
							Slab-On-Grade		F-0.54
Slab-on-grade – Heated							0.550		
							Heated Slab-On-Grade		F-0.55

	Schedule ID	U-factor Source[9,10]	Proposed U-factor	Proposed x Area (A)	Proposed = UA (U x A)	Target U-factor	Target x Area (A) =	Target UA (U x A)
Doors[4,9] – Swinging	A60.01/A1, A2	wood door in wood frame, no fenestration	0.46	159	73.1	0.370	159	58.8
						Opaque Swing Doors		U-0.37
Doors[4,9] – Other						0.340		
						Opaque rollup & sliding		U-0.34
Vertical Fenestration[9,10] – Non-Metal						0.30		
						Non-Metal Frame		U-0.30
Vertical Fenestration[9,10] – Metal, fixed	A50.01/1	Pilkington Low-e triple pane w/ Kawneer Trifab 451UT	0.32	27	8.6	0.38	2319	881.2
	A50.01/2	Pilkington Low-e triple pane w/ Kawneer Trifab 451UT	0.32	583	186.6	Metal Frame, Fixed		U-0.38
	A50.01/3	Pilkington Low-e triple pane w/ Kawneer Trifab 451UT	0.34	759	258.1			
	A50.01/7	Pilkington Low-e triple pane w/ Kawneer Trifab 451UT	0.31	174	53.9			
	A50.01/4-11	Pilkington Low-e triple pane w/ Kawneer Trifab 451UT	0.34	430	146.2			
	A50.01/4-5	Pilkington Low-e triple pane w/ Kawneer Trifab 601T	0.37	115	42.6			
	A50.01/4-5	Pilkington Low-e triple pane w/ Kawneer Trifab 601T	0.34	83	28.2			
	A50.01/4-6	Pilkington Low-e triple pane w/ Kawneer Trifab 601T	0.38	97	36.9			
	A50.01/4-4	Pilkington Low-e triple pane w/ Kawneer Trifab 601T	0.38	51	19.4			
Vertical Fenestration[9,10] – Metal, op.						0.40		
						Metal Frame, Operable		U-0.40
Vertical Fenestration[9,10] – Mtl entrance						0.60		
						Metal Entrance Door		U-0.60
Skylights[10] – All Types						0.50		
						All types		U-0.50

Refrigerated Space Freezer Floors

	CI	Plan/Detail #	U-factor Source & Table # [2]	Proposed U-factor	Proposed x Area (A)	Proposed = UA (U x A)	Target U-factor	Target x Area (A) =	Target UA (U x A)
Freezer Floor									
							Freezer Floor		

	Area[1]	UA	Area[1]	UA
Page 2 Subtotal	3146	1321	3146	1301
Page 1 Subtotal	26102	823	26102	935
Project Total	29248	2144	29248	2236

TO COMPLY - The Proposed Total UA shall not exceed the Target Total UA.

Component Performance Compliance (UA) — **UA COMPLIES**

Refrigerated Space Windows In Doors [11, 12]

		Plan/Detail #	Description	Cooler / Freezer	Double Pane Glass	Triple Pane Glass	Inert Gas Filled	Heat Reflective Treated Glass
Glazing in Doors	In Door							
Glazing in Doors	Reach In							

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NOT FOR CONSTRUCTION
CHANTI ORAM — STATE OF WASHINGTON — 43877 — REGISTERED PROFESSIONAL ENGINEER

PROJECT # 2018136.01
PERMIT SET
ISSUE DATE JANUARY 10, 2020
REVISION SCHEDULE

2015 WSEC FORMS 3

SHEET #
M0.04

VENTILATION & HEATING/COOLING LOAD TABLE

ROOM #	ROOM NAME	AREA (SF)	# PEOPLE	USE	Ra	Rp	OA (CFM)	EXHAUST (CFM)	Design Cooling Load (Mbh)	Design Heating Load (Mbh)	150% Design Heating Load (Mbh)
101	Main Lobby	1510	46	Lobby	0.06	7.5	440	0	6.0	4.7	7.1
103	Reception	220	7	Reception Area	0.06	5	50	0	0.8	1.4	2.1
104	Security	160	1	Office	0.06	5	15	0	2.1	1.2	1.8
105	Hall	500	0	Corridors	0.12	0	60	0	1.4	2.9	4.4
106	Admin Conf	180	9	Conference	0.06	5	60	0	2.9	1.6	2.4
107	CFO	180	1	Office	0.06	5	20	0	3.7	2.0	3.0
108	Child Watch	350	9	Day Care	0.18	10	155	0	12.9	7.0	10.5
110	Office 04	120	1	Office	0.06	5	15	0	3.4	1.9	2.9
111	Office 03	120	1	Office	0.06	5	15	0	3.4	1.9	2.9
112	CEO	170	1	Office	0.06	5	20	0	4.6	3.7	5.6
113	Office 01	100	1	Office	0.06	5	15	0	1.5	1.6	2.4
114	Office 02	100	1	Office	0.06	5	15	0	1.3	1.5	2.3
115	Hall	260	0	Corridors	0.12	0	35	0	0.7	1.1	1.7
116	Staff Lounge	370	19	Break	0.12	5	140	0	8.1	7.4	11.1
117	Conference	720	36	Conference	0.06	5	225	0	14.7	10.8	16.2
118	Hall	225	0	Corridors	0.12	0	30	0	0.3	0.7	1.1
119	Storage	30	0	Storage	0.12	0	5	0	-	-	-
121	Pharmacy	260	3	Pharmacy	ACH RATE PER ASHRAE 170		173	0	1.8	1.7	2.6
122	Safe	40	1	Office	0.06	5	10	0	-	-	-
123	Dosing 1	50	1	Pharmacy	ACH RATE PER ASHRAE 170		33	0	0.5	0.4	0.6
124	Dosing 2	50	1	Pharmacy	ACH RATE PER ASHRAE 170		33	0	0.5	0.4	0.6
125	Dosing 3	50	1	Pharmacy	ACH RATE PER ASHRAE 170		33	0	0.5	0.4	0.6
126	Janitor	70	0	Janitor	0	0	0	70	-	-	-
127	Hall	165	0	Corridors	0.12	0	20	0	0.4	0.9	1.4
130	Deliveries/Storage	110	0	Storage	0.12	0	15	0	0.5	1.6	2.4
132	Hall	490	0	Corridors	0.12	0	60	0	0.4	0.9	1.4
134	Dental/Waiting	360	11	Lobby	0.06	7.5	105	0	4.2	3.7	5.6
135	Pan	60	0	Corridors	0.12	0	10	0	-	-	-
136	Dental Lab	75	0	Lab / Work Rm.	ACH RATE PER ASHRAE 170		75	0	0.9	0.6	0.9
137	Storage	60	0	Storage	0.12	0	10	0	-	-	-
138	Sterilization	70	0	Sterilization Rm.	ACH RATE PER ASHRAE 170		0	200	1.8	4.4	6.6
139	Operatory 1	135	0	Exam Rm.	ACH RATE PER ASHRAE 170		135	0	3.2	2.7	4.1
140	Operatory 2	135	0	Exam Rm.	ACH RATE PER ASHRAE 170		135	0	3.1	2.5	3.8
141	Operatory 3	135	0	Exam Rm.	ACH RATE PER ASHRAE 170		135	0	3.1	2.5	3.8
142	Office	110	1	Office	0.06	5	15	0	1.4	1.8	2.7
143	Staff Respite	260	13	Break	0.12	5	100	0	2.1	1.8	2.7
144	Dental/Check-In	190	6	Reception Area	0.06	5	45	0	1.4	1.3	2.0
145	Janitor	50	0	Janitor	0	0	0	50	-	-	-
146	Hall	305	0	Corridors	0.12	0	200	0	1.1	1.9	2.9
150	Hall	310	0	Corridors	0.12	0	40	0	2.6	3.2	4.8
153	Hall	380	0	Corridors	0.12	0	50	0	1.0	1.2	1.8
154	Counseling 09	110	2	Office	0.06	5	20	0	1.0	0.7	1.1
155	Counseling 08	110	2	Office	0.06	5	20	0	2.9	1.7	2.6
156	Counseling 10	110	2	Office	0.06	5	20	0	1.0	0.7	1.1
157	Counseling 07	110	2	Office	0.06	5	20	0	2.9	1.8	2.7
158	Counseling 11	110	2	Office	0.06	5	20	0	1.0	0.7	1.1
159	Counseling 06	110	2	Office	0.06	5	20	0	2.9	1.7	2.6
160	Hall	380	0	Corridors	0.12	0	50	0	1.0	1.2	1.8
161	Counseling 05	120	2	Office	0.06	5	20	0	3.0	2.3	3.5
162	Counseling 04	100	2	Office	0.06	5	20	0	3.8	2.1	3.2
163	Counseling 03	100	2	Office	0.06	5	20	0	3.8	1.8	2.7
164	Counseling 02	100	2	Office	0.06	5	20	0	3.8	1.8	2.7
165	Counseling 01	100	2	Office	0.06	5	20	0	3.8	2.1	3.2
166	Counseling 12	110	2	Office	0.06	5	20	0	1.0	0.7	1.1
169	Hall	340	0	Corridors	0.12	0	200	0	16.7	5.5	8.3
170	Bariatric Exam	160	0	Exam Rm.	ACH RATE PER ASHRAE 170		160	0	2.2	1.4	2.1
171	Exam 2	110	0	Exam Rm.	ACH RATE PER ASHRAE 170		73	0	1.7	1.1	1.7
172	Exam 1	110	0	Exam Rm.	ACH RATE PER ASHRAE 170		73	0	1.7	1.1	1.7
173	Soiled Utility	105	0	Lab / Work Rm.	ACH RATE PER ASHRAE 170		70	200	1.3	0.9	1.4
174	Clean/Meds	100	0	Lab / Work Rm.	ACH RATE PER ASHRAE 170		67	0	1.0	0.8	1.2
175	Phlebotomy	75	0	Lab / Work Rm.	ACH RATE PER ASHRAE 170		75	0	1.4	0.9	1.4
180	Provider Office	120	1	Office	0.06	5	113	0	1.1	0.8	1.2
181	Nurse Station	340	2	Office	ACH RATE PER ASHRAE 170		113	0	2.7	2.4	3.6
190	Social Worker	110	1	Office	0.06	5	15	0	1.0	0.7	1.1
192	Group 4	290	15	Conference	0.06	5	95	0	14.1	6.7	10.1
193	Group 3	290	15	Conference	0.06	5	95	0	14.6	5.8	8.7
194	Group 2	290	15	Conference	0.06	5	95	0	14.6	5.8	8.7
195	Group 1	290	15	Conference	0.06	5	95	0	14.5	6.1	9.2

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PROJECT # 2018136.01

PERMIT SET

ISSUE DATE JANUARY 10, 2020

REVISION SCHEDULE

VENTILATION TABLE, HEATING & COOLING LOAD SUMMARY

SHEET #
M0.05

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VRF - OUTDOOR HEAT PUMPS

TAG	LOCATION	MANUFACTURER	MODEL	NOMINAL COOLING CAPACITY	NOMINAL HEATING CAPACITY	COP @47F	EER	DIMENSIONS WIDTH	DIMENSIONS DEPTH	DIMENSIONS HEIGHT	WEIGHT	ELECTRICAL VOLTS/PHASE	ELECTRICAL MCA	NOTES
OHP-1	MECHANICAL YARD	MITSUBISHI	TURYE1683AN40AN	168,000 Btu/h	188,000 Btu/h	3.3	11.2	5' - 8 29/32"	2' - 5 5/32"	5' - 11 5/8"	777 lb	208V/3PH	57	
OHP-2	MECHANICAL YARD	MITSUBISHI	TURYE1683AN40AN	168,000 Btu/h	188,000 Btu/h	3.3	11.2	5' - 8 29/32"	2' - 5 5/32"	5' - 11 5/8"	777 lb	208V/3PH	57	

VRF - INDOOR HEAT PUMPS

TAG	MANUFACTURER	MODEL	UNIT TYPE	OUTDOOR UNIT	COOLING CAPACITY	HEATING CAPACITY	DIMENSIONS HEIGHT	DIMENSIONS WIDTH	DIMENSIONS DEPTH	WEIGHT	ELECTRICAL VOLTS/PHASE	ELECTRICAL MCA	NOTES
IHP-ADMIN	MITSUBISHI	PEFY-P12NMAU-E	DUCTED	OHP-2	12,000 Btu/h	13,500 Btu/h	0' - 7 7/8"	2' - 3 9/16"	2' - 2 21/32"	51 lb	208VAC/ 1PH	1.21	
IHP-CEO	MITSUBISHI	PLFY-P08NFMU-E	CEILING CASSETTE	OHP-2	8,000 Btu/h	9,000 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.28	
IHP-CFO	MITSUBISHI	PLFY-P08NFMU-E	CEILING CASSETTE	OHP-2	8,000 Btu/h	9,000 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.28	
IHP-CO1	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-CO2	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-CO3	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-CO4	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-CO5	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-CO6	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-CO7	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-CO8	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-CO9	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-CO10	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-CO11	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-CO12	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-CONF1	MITSUBISHI	PLFY-P08NFMU-E	CEILING CASSETTE	OHP-2	8,000 Btu/h	9,000 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.28	
IHP-CONF2	MITSUBISHI	PLFY-P08NFMU-E	CEILING CASSETTE	OHP-2	8,000 Btu/h	9,000 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.28	
IHP-CONF3	MITSUBISHI	PLFY-P08NFMU-E	CEILING CASSETTE	OHP-2	8,000 Btu/h	9,000 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.28	
IHP-CONF4	MITSUBISHI	PLFY-P08NFMU-E	CEILING CASSETTE	OHP-2	8,000 Btu/h	9,000 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.28	
IHP-CW1	MITSUBISHI	PLFY-P12NFMU-E	CEILING CASSETTE	OHP-2	12,000 Btu/h	13,500 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	32 lb	208-230V/1PH	0.29	
IHP-CW2	MITSUBISHI	PLFY-P12NFMU-E	CEILING CASSETTE	OHP-2	12,000 Btu/h	13,500 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	32 lb	208-230V/1PH	0.29	
IHP-DCI	MITSUBISHI	PLFY-P08NFMU-E	CEILING CASSETTE	OHP-1	8,000 Btu/h	9,000 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.28	
IHP-DLAB	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-2	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-DOFF	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-EX1	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-EX2	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-EX3	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-GRP1	MITSUBISHI	PLFY-P12NFMU-E	CEILING CASSETTE	OHP-1	12,000 Btu/h	13,500 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	32 lb	208-230V/1PH	0.29	
IHP-GRP2	MITSUBISHI	PLFY-P12NFMU-E	CEILING CASSETTE	OHP-1	12,000 Btu/h	13,500 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	32 lb	208-230V/1PH	0.29	
IHP-GRP3	MITSUBISHI	PLFY-P12NFMU-E	CEILING CASSETTE	OHP-1	12,000 Btu/h	13,500 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	32 lb	208-230V/1PH	0.29	
IHP-GRP4	MITSUBISHI	PLFY-P12NFMU-E	CEILING CASSETTE	OHP-1	12,000 Btu/h	13,500 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	32 lb	208-230V/1PH	0.29	
IHP-LOB1	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-2	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-LOB2	MITSUBISHI	PEFY-P12NMAU-E	DUCTED	OHP-2	12,000 Btu/h	13,500 Btu/h	0' - 7 7/8"	2' - 3 9/16"	2' - 2 21/32"	51 lb	208VAC/ 1PH	1.21	
IHP-MEDS	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-NURSE	MITSUBISHI	PLFY-P08NFMU-E	CEILING CASSETTE	OHP-1	8,000 Btu/h	9,000 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.28	
IHP-OFF1	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-2	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-OFF2	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-2	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-OFF3	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-2	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-OFF4	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-2	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-OP	MITSUBISHI	PEFY-P12NMAU-E	DUCTED	OHP-2	12,000 Btu/h	13,500 Btu/h	0' - 7 7/8"	2' - 3 9/16"	2' - 2 21/32"	51 lb	208VAC/ 1PH	1.21	
IHP-PHARM	MITSUBISHI	PEFY-P12NMAU-E	DUCTED	OHP-2	12,000 Btu/h	13,500 Btu/h	0' - 7 7/8"	2' - 3 9/16"	2' - 2 21/32"	51 lb	208VAC/ 1PH	1.21	
IHP-PHLB	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-POFF	MITSUBISHI	PLFY-P08NFMU-E	CEILING CASSETTE	OHP-1	8,000 Btu/h	9,000 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.28	
IHP-REC	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-2	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-SEC	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-2	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-SL	MITSUBISHI	PEFY-P15NMSU-E	CEILING CASSETTE	OHP-2	15,000 Btu/h	17,000 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	32 lb	208-230V/1PH	0.35	
IHP-SR	MITSUBISHI	PLFY-P08NFMU-E	CEILING CASSETTE	OHP-1	8,000 Btu/h	9,000 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.28	
IHP-SW	MITSUBISHI	PLFY-P05NFMU-E	CEILING CASSETTE	OHP-1	5,000 Btu/h	5,600 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.24	
IHP-WAIT	MITSUBISHI	PLFY-P08NFMU-E	CEILING CASSETTE	OHP-2	8,000 Btu/h	9,000 Btu/h	0' - 8 3/16"	1' - 10 7/16"	1' - 10 7/16"	29 lb	208-230V/1PH	0.28	

VRF - BRANCH CIRCUIT CONTROLLERS

TAG	LOCATION	OUTDOOR UNIT	MAIN / SUB	MANUFACTURER	MODEL	# PORTS	DIMENSIONS WIDTH	DIMENSIONS DEPTH	DIMENSIONS HEIGHT	WEIGHT	ELECTRICAL VOLTS/PHASE	ELECTRICAL MCA	NOTES
BCC-1-1	MECH RM	OHP-1	MAIN	MITSUBISHI	TCMBM1016JA11N4	16	0' - 0"	0' - 0"	0' - 0"	153 lb	208V/1PH	1.57	
BCC-1-2	PATIENT TLT #3	OHP-1	SUB	MITSUBISHI	TCMBS0104KB11N4	4	0' - 0"	0' - 0"	0' - 0"	51 lb	208V/1PH	0.44	
BCC-1-3	PATIENT TLT #2	OHP-1	SUB	MITSUBISHI	TCMBS0108KB11N4	8	0' - 0"	0' - 0"	0' - 0"	106 lb	208V/1PH	0.97	
BCC-2-1	JANITOR	OHP-2	MAIN	MITSUBISHI	TCMBM1012JA11N4	12	0' - 0"	0' - 0"	0' - 0"	133 lb	208V/1PH	1.57	
BCC-2-2	STAFF TLT #1	OHP-2	SUB	MITSUBISHI	TCMBS0108KB11N4	8	0' - 0"	0' - 0"	0' - 0"	106 lb	208V/1PH	0.97	

MECH - FANS

TAG	LOCATION / SERVICE	MANUFACTURER	MODEL	FLOW	STATIC PRESSURE	MOTOR HP	VOLTS/PHASE	WEIGHT	NOTES
EF-STR	STERILIZATION ROOM	GREENHECK	SP-A200	200 CFM	0.4 in-wg	53w	120V/1PH	26 lb	PROVIDE FAN W/ WALL-MOUNTED DEHUMIDISTAT AND TEMP SENSOR
EF-SU	SOILED UTILITY ROOM	GREENHECK	SP-A200	200 CFM	0.4 in-wg	53w	120V/1PH	26 lb	PROVIDE FAN W/ WALL-MOUNTED DEHUMIDISTAT AND TEMP SENSOR

MECH - ENERGY RECOVERY VENTILATORS

TAG	MANUFACTURER	MODEL	FLOW	RECOVERY EFFICIENCY SENSIBLE	RECOVERY EFFICIENCY LATENT	PRESSURE DROP	VOLTS/PHASE	DIMENSIONS HEIGHT	DIMENSIONS WIDTH	DIMENSIONS DEPTH	WEIGHT	NOTES
ERV-1	LOSSNAY	LGH-F1200RX5-E1	1050 CFM	68%	65%	0.00 in-wg	208-230V/1PH	2' - 7 1/2"	5' - 5 7/16"	4' - 0 7/16"	265.00 lb	
ERV-2	LOSSNAY	LGH-F600RX5-E1	480 CFM	72%	65%	0.00 in-wg	208-230V/1PH	1' - 3 21/32"	3' - 9 27/32"	3' - 3 1/2"	132.00 lb	
ERV-3	LOSSNAY	LGH-F1200RX5-E1	850 CFM	70%	67%	0.00 in-wg	208-230V/1PH	2' - 7 1/2"	5' - 5 7/16"	4' - 0 7/16"	265.00 lb	
ERV-4	LOSSNAY	LGH-F1200RX5-E1	730 CFM	70%	67%	0.00 in-wg	208-230V/1PH	2' - 7 1/2"	5' - 5 7/16"	4' - 0 7/16"	265.00 lb	
ERV-5	LOSSNAY	LGH-F300RX5-E1	100 CFM	80%	70%	0.00 in-wg	208-230V/1PH	1' - 0 17/32"	2' - 10 15/16"	3' - 4"	73.00 lb	
ERV-6	LOSSNAY	LGH-F300RX5-E1	100 CFM	80%	70%	0.00 in-wg	208-230V/1PH	1' - 0 17/32"	2' - 10 15/16"	3' - 4"	73.00 lb	
ERV-7	LOSSNAY	LGH-F1200RX5-E1	1000 CFM	68%	65%	0.00 in-wg	208-230V/1PH	2' - 7 1/2"	5' - 5 7/16"	4' - 0 7/16"	265.00 lb	
ERV-8	LOSSNAY	LGH-F470RX5-E1	400 CFM	71%	64%	0.00 in-wg	208-230V/1PH	1' - 3 21/32"	3' - 9 27/32"	3' - 3 1/2"	119.00 lb	

NOTES:
1. ERV CONTROLLERS SHALL INTERFACE WITH DDC CONTROL SYSTEM.

MECH - MOTORIZED DAMPERS

TAG	MANUFACTURER	MODEL	SIZE (INCHES)	TYPE	VOLTAGE	NOTES
MD-1	POTTORFF	CD-21R	16"ø	CLASS 1A	120V	1-3, ERV-7 EXHAUST, FAIL CLOSED
MD-2	POTTORFF	CD-21R	16"ø	CLASS 1A	120V	1-3, ERV-7 INTAKE, FAIL CLOSED
MD-3	POTTORFF	CD-21R	8"ø	CLASS 1A	120V	1-3, ERV-6 EXHAUST, FAIL CLOSED
MD-4	POTTORFF	CD-21R	8"ø	CLASS 1A	120V	1-3, ERV-6 INTAKE, FAIL CLOSED
MD-5	POTTORFF	CD-21R	8"ø	CLASS 1A	120V	1-3, ERV-5 INTAKE, FAIL CLOSED
MD-6	POTTORFF	CD-21R	8"ø	CLASS 1A	120V	1-3, ERV-5 EXHAUST, FAIL CLOSED
MD-7	POTTORFF	CD-42	16x8	CLASS 1A	120V	1-3, ERV-4 INTAKE, FAIL CLOSED
MD-8	POTTORFF	CD-42	16x8	CLASS 1A	120V	1-3, ERV-4 EXHAUST, FAIL CLOSED
MD-9	POTTORFF	CD-42	16x8	CLASS 1A	120V	1-3, ERV-3 EXHAUST, FAIL CLOSED
MD-10	POTTORFF	CD-42	14x8	CLASS 1A	120V	1-3, ERV-2 EXHAUST, FAIL CLOSED
MD-11	POTTORFF	CD-42	18x10	CLASS 1A	120V	1-3, ERV-1 EXHAUST, FAIL CLOSED
MD-12	POTTORFF	CD-42	16x8	CLASS 1A	120V	1-3, ERV-3 INTAKE, FAIL CLOSED
MD-13	POTTORFF	CD-21R	12"ø	CLASS 1A	120V	1-3, ERV-2 INTAKE, FAIL CLOSED
MD-14	POTTORFF	CD-42	18x10	CLASS 1A	120V	1-3, ERV-1 INTAKE, FAIL CLOSED
MD-15	POTTORFF	CD-21R	10"ø	CLASS 1A	120V	1-3, ERV-8 INTAKE, FAIL CLOSED
MD-16	POTTORFF	CD-21R	10"ø	CLASS 1A	120V	1-3, ERV-8 EXHAUST, FAIL CLOSED

NOTES:
1. DAMPER SIZE SHALL MATCH THE DUCT SIZES SHOWN ON PLANS FOR EACH DAMPER.
2. LOW VOLTAGE MOTORZED DAMPER, 2 POSITION, SPRING RETURN.
3. CONTROL WITH ERV TO OPEN WHEN ERV POWERS ON.

NOT FOR CONSTRUCTION

JAMES TOWN S'KLALLAM TRIBE
HEALING CAMPUS
US-101 & 8TH AVE
SEQUIM, WA 98382

NOT FOR CONSTRUCTION

PROJECT # 2018136.01

PERMIT SET

ISSUE DATE JANUARY 10, 2020

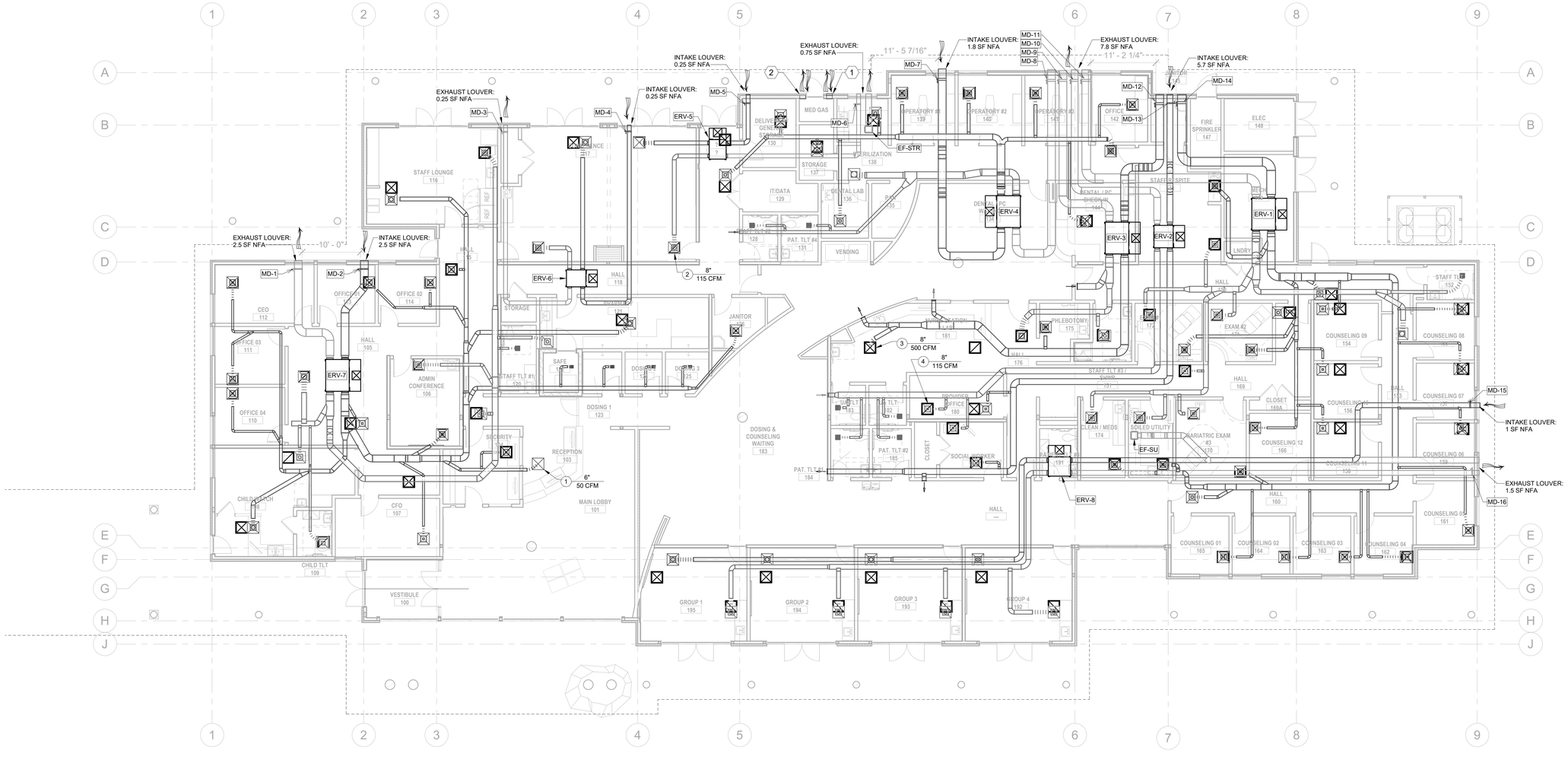
REVISION SCHEDULE

MECHANICAL SCHEDULES

SHEET #
M0.06

SHEET NOTES

1	PROVIDE 12"x12" (APPROX) NATURAL VENTILATION LOUVER WITHIN 12" OF FLOOR LEVEL IN ACCORDANCE WITH NFPA 99 REQUIREMENTS FOR MEDICAL GAS STORAGE ROOM VENTILATION. LOUVER SHALL BE NON-CLOSABLE. LOUVER SHALL HAVE A MINIMUM NET FREE AREA OF 72 SQUARE INCHES.
2	PROVIDE 12"x12" (APPROX) NATURAL VENTILATION LOUVER WITHIN 12" OF CEILING IN ACCORDANCE WITH NFPA 99 REQUIREMENTS FOR MEDICAL GAS STORAGE ROOM VENTILATION. LOUVER SHALL BE NON-CLOSABLE. LOUVER SHALL HAVE A MINIMUM NET FREE AREA OF 72 SQUARE INCHES.



1 MECHANICAL - LEVEL 1 - VENTILATION
1/8" = 1'-0"

RICE fergus MILLER
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RFMARCH.COM

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JAMESTOWN S'KLALLAM TRIBE
HEALING CAMPUS
US-101 & 8TH AVE
SEQUIM, WA 98382

NOT FOR CONSTRUCTION

STATE OF WASHINGTON
SHANTI ORAM
42877
REGISTERED
PROFESSIONAL ENGINEER

PROJECT #	2018136.01
PERMIT SET	
ISSUE DATE	JANUARY 10, 2020

REVISION SCHEDULE

MECHANICAL LEVEL 1 - VENTILATION

SHEET #
M1.01

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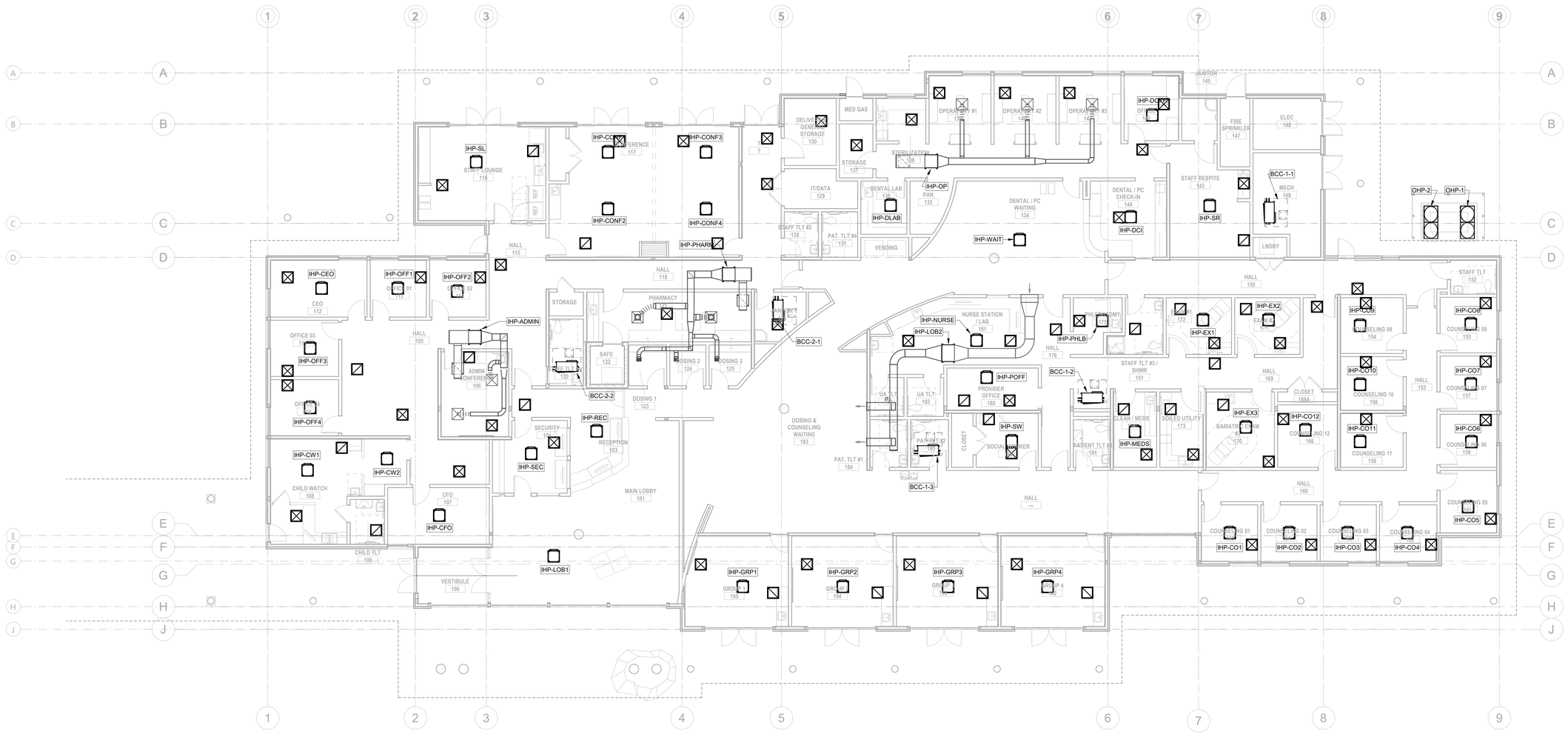

1 MECHANICAL - LEVEL 1 - SPACE CONDITIONING
1/8" = 1'-0"

JAMESTOWN S'KLALLAM TRIBE
HEALING CAMPUS
US-101 & 8TH AVE
SEQUIM, WA 98382

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STATE OF WASHINGTON
SHANTI ORAM
NO. 47872
REGISTERED PROFESSIONAL ENGINEER

PROJECT # 2018136.01

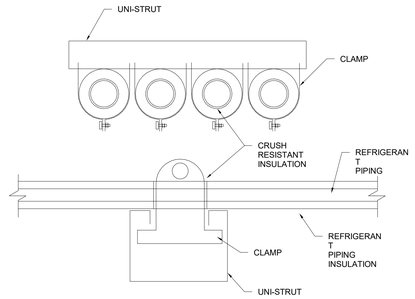
PERMIT SET

ISSUE DATE JANUARY 10, 2020

REVISION SCHEDULE

MECHANICALLEVEL 1 - SPACE CONDITIONING

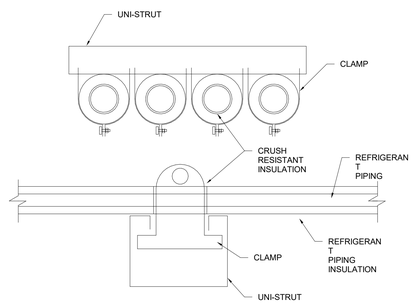
SHEET #
M1.02



NOTES:

1. USE ZSI CUSH-A-THERM INSULATED PIPING CLAMP OR EQUIVALENT
2. EQUIPMENT MOUNTING AND CONNECTION TO BE DESIGNED AND STAMPED BY LICENSED WASHINGTON STATE ENGINEER AS A DEFERRED SUBMITTAL. INSTALL SEISMIC RESTRAINTS IF REQUIRED

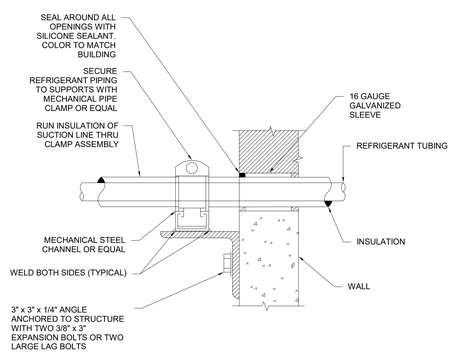
7 PIPE HANGER INSULATION
12" = 1'-0"



NOTES:

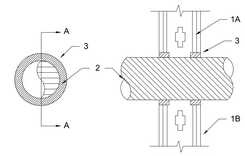
1. USE ZSI CUSH-A-THERM INSULATED PIPING CLAMP OR EQUIVALENT
2. EQUIPMENT MOUNTING AND CONNECTION TO BE DESIGNED AND STAMPED BY LICENSED WASHINGTON STATE ENGINEER AS A DEFERRED SUBMITTAL. INSTALL SEISMIC RESTRAINTS IF REQUIRED

8 PIPE HANGER INSULATION1
12" = 1'-0"



NOTES:
1. REFER TO PLANS FOR SIZES AND CONTINUATION

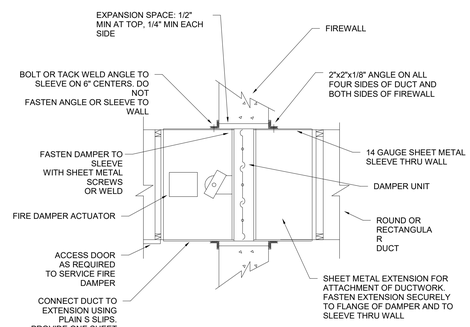
9 REFRIGERANT PIPE WALL SUPPORT
12" = 1'-0"



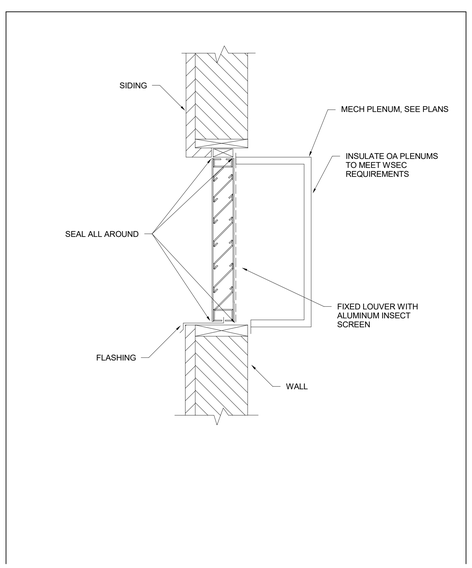
SECTION VIEW

NOTES:
1. WALL ASSEMBLY: THE 2 HR FIRE-RATED GYPSUM WALLBOARD, STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS-WALL FRAMING SHALL CONSIST OF METAL STUDS TO BE MINIMUM 3-1/2" WIDE AND SPACED TO 24" OCC
   B. GYPSUM BOARD-TWO LAYERS OF NOMINAL 5/8" THICK GYPSUM WALLBOARD AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN MAXIMUM DIAMETER OF OPENING IS 17-1/2"
2. THROUGH PENETRANT: ONE STEEL DUCT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN DUCT AND OPENING SHALL BE MAXIMUM OF 1-1/2" STEEL DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING SIZES OF STEEL DUCTS MAY BE USED:
   A. STEEL DUCT: NOMINAL 16" DIAMETER OR SMALLER, 24 GAUGE OR HEAVIER, SPIRAL WOUND GALVANIZED STEEL
   B. STEEL DUCT: NOMINAL 10" DIAMETER OR SMALLER, 28 GAUGE OR HEAVIER GALVANIZED STEEL VENT DUCT
3. FILL VOID OR CAVITY MATERIAL CAULK OR SEALANT. MINIMUM 1-1/4" THICKNESS OF CAULK MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL ASSEMBLY AT THE POINT CONTACT LOCATION BETWEEN DUCT AND WALLBOARD. A MINIMUM 1/4" DIAMETER BEAD OF CAULK SHALL BE APPLIED AT THE WALLBOARD/DUCT INTERFACE ON BOTH SURFACES OF THE WALL ASSEMBLY. THE HOURLY F RATING ASSEMBLY IN WHICH IT IS INSTALLED AS TESTED AND LISTED BY PRODUCT MANUFACTURER

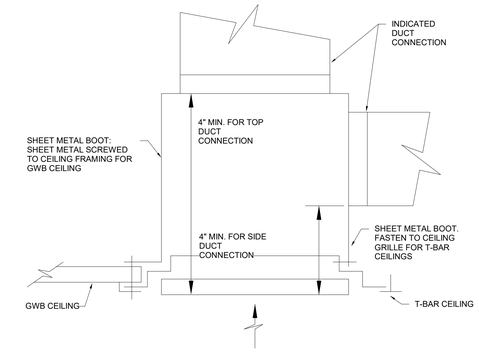
4 DUCT PENETRATION FRAMED WALL 2 HR
12" = 1'-0"



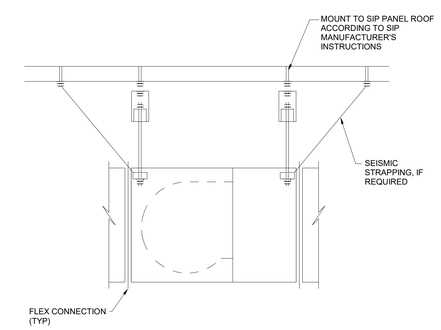
5 FIRE/SMOKE DAMPER CONNECTION DETAIL
12" = 1'-0"



6 LOUVER PLENUM
12" = 1'-0"



1 CEILING GRILLE DETAIL
12" = 1'-0"



NOTES:

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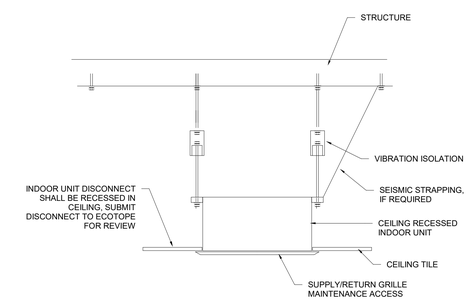
2 CEILING HUNG MECH EQUIPMENT DETAIL
12" = 1'-0"



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3 CEILING RECESSED FAN COIL DETAIL
12" = 1'-0"

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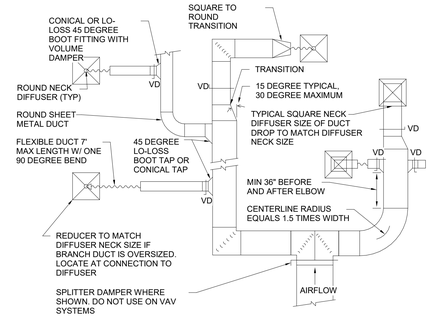
MECHANICAL DETAILS

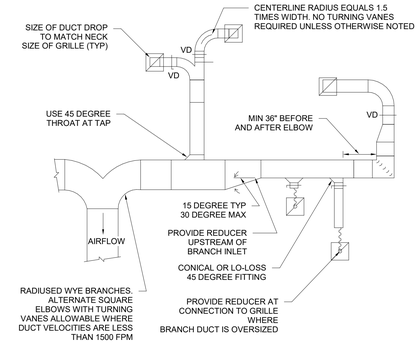
SHEET #
M5.01



NOTES:

1. PROVIDE DUCT LINER AND/OR EXTERNAL DUCT INSULATION AS NOTED ON PLANS OR IN SPECIFICATIONS
2. PROVIDE HANGERS AND SEISMIC BRACING PER SMACNA AND BUILDING CODE REQUIREMENTS
3. LOCATE MANUAL BALANCING DAMPERS IMMEDIATELY DOWNSTREAM OF EACH DUCT TAP
4. CUSHION HEADS OR BILL HEAD TEES ARE NOT ALLOWED
5. MAINTAIN MINIMUM 36" CLEARANCE BETWEEN LEADING OR TRAILING ELBOW JOINT AND DUCT TAP FITTINGS
6. RADIUSED ELBOWS OR TURNING VANES REQUIRED ON RECTANGULAR DUCT SYSTEM ELBOWS SINGLE THICKNESS VANES UP TO 25" HEIGHT AND DOUBLE THICKNESS VANES IN DUCTS GREATER THAN 25" HEIGHT

3 SUPPLY DUCT FITTINGS
12" = 1'-0"



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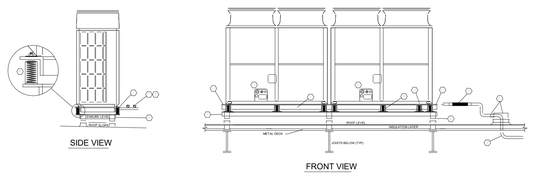
4. MAINTAIN MINIMUM 36" CLEARANCE BETWEEN LEADING OR TRAILING ELBOW JOINT AND DUCT TAP FITTINGS
5. TURNING VANES REQUIRED ON RECTANGULAR DUCT SYSTEM ELBOWS. SINGLE THICKNESS VANES UP TO 25" HEIGHT AND DOUBLE THICKNESS VANES IN DUCTS GREATER THAN 25" HEIGHT RADIUSED ELBOWS MAY BE USED AS AN ALTERNATE
6. NO TURNING VANES REQUIRED ON DUCT SIZES LESS THAN 180 SQ IN IF DUCT VELOCITY IS LESS THAN 1500 FPM

1 RETURN EXHAUST DUCT FITTINGS
12" = 1'-0"



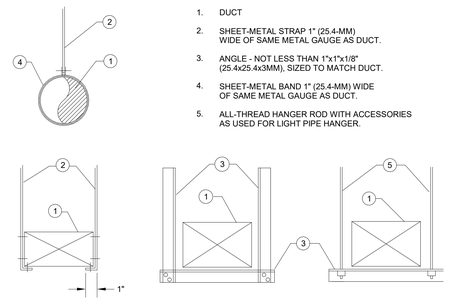
GENERAL NOTE:

1. PROVIDE VRF OUTDOOR UNIT BASE DESIGN AS A DEFERRED SUBMITTAL. DESIGN SHALL BE STAMPED BY A LICENSED WASHINGTON STATE STRUCTURAL ENGINEER.

NUMBER NOTES:

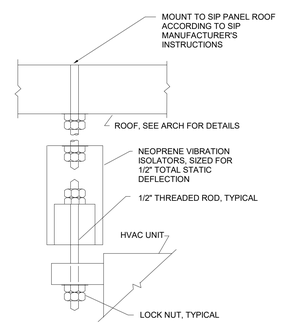
1. PROVIDE STRUCTURAL INTERSTITIAL ANGLE IRON MOUNTING MEMBER OR SIMILAR ATTACHED DIRECTLY TO BOTTOM OF UNIT MOUNTING FLANGE AND PROVIDE CROSS BRACING FOR RIGIDITY. ENSURE IT CARRIES FULL MOUNTING FOOT WIDTH ON UNIT. FINAL SPECIFICATION OF MEMBER BY STRUCTURAL ENGINEER OF RECORD.
2. PROVIDE BRAIDED COPPER FLEXIBLE CONNECTOR, R410A RATED, 650PSI MAX WORKING PRESSURE, PACKLESS INDUSTRIES OR EQUAL ON ALL MAIN PIPING DOWNSTREAM OF TWINNING KITS/CONVERGING FITTINGS PRIOR TO PENETRATION THROUGH ROOF.
3. PIPE ROOF CURB, FLASHED AND SEALED WATER TIGHT, PROVIDE FLEXIBLE WATER TIGHT COLLAR TO ALLOW FOR MOVEMENT WHERE PIPE ENTERS CURB. DO NOT ENTER PIPE CURB FROM VERTICAL DIRECTION. COORDINATE OPENING WITH GENERAL CONTRACTOR.
4. TYPICAL BASE SUPPORT POSTS, SECURELY ANCHORED TO BUILDING STRUCTURE BELOW, QUANTITY, SIZE, AND CARRYING CAPACITY DETERMINED BY STRUCTURAL ENGINEER OF RECORD.
5. STRUCTURAL ANGLE IRON BASE MOUNTING FRAME WITH CROSS MEMBERS FOR RIGIDITY - FINAL SIZING BY STRUCTURAL ENGINEER OF RECORD.
6. VIBRATION SPRING SLR TYPE ISOLATORS (MASON INDUSTRIES OR EQUIV.) WITH RUBBER BASE PADS, SECURELY FASTENED TO STRUCTURAL BASE AND TO VRF UNIT INTERSTITIAL SUPPORT STEEL. SPRING ISOLATOR TO PROVIDE MINIMUM 1" DEFLECTION OR 10 TIMES THE STATIC DEFLECTION OF THE ROOF DECK FROM EQUIPMENT WEIGHT - DETERMINED BY STRUCTURAL ENGINEER OF RECORD. AT A MINIMUM, PROVIDE SPRING ISOLATORS AT EACH EQUIPMENT BASE MOUNTING HOLE LOCATION.
7. IF REQUIRED, ONLY SUPPORT LATERAL PIPE EMANATING FROM VRF UNIT CONNECTIONS BY CROSS MEMBER SUPPORT THAT IS ATTACHED DIRECTLY TO VRF UNIT MOUNTING ANGLE IRON FRAME ABOVE SPRING ISOLATORS. DO NOT ATTACH ANY PIPING TO LOWER FIXED SUPPORT BASE.
8. USE NEOPRENE ISOLATION COLLARS ON PIPE CLAMS WHEN FASTENING PIPING TO SUPPORTS.
9. USE LONG RADIUS SWEEPING COPPER ACR TUBE PIPE BENDS WHERE PIPE ENTERS BUILDING AT FIRST ELBOW INTO CEILING SPACE TO MINIMIZE REFRIGERANT FLOW NOISE AND VIBRATION.
10. ALL ELECTRICAL CONNECTIONS TO UNITS TO BE VIA FLEXIBLE CONDUIT, PROVIDE SUFFICIENT SLACK TO ALLOW FOR UNIT MOVEMENT ON SPRING ISOLATORS.
11. ENSURE CROSS MEMBERS OF INTERSTITIAL FRAME AND BOTTOM SUPPORT FRAME ARE NOT DIRECTLY BELOW ENDS OF MODULES IN ALL LOCATIONS AND DO NOT BLOCK DRAINAGE WEEP HOLES IN BOTTOM OF UNIT CASING. FAILURE TO DO THIS MAY RESULT IN ICE DAMMING/BUILDUP BENEATH UNIT AND SUBSEQUENT BUILDUP OF ICE IN BOTTOM OF UNIT CASING BELOW COIL AND POTENTIAL DAMAGE TO BOTTOM OF COIL.
12. WHEN SELECTING SPRING ISOLATORS ALWAYS CONSIDER WEIGHT DISTRIBUTION BY REFERENCING EQUIPMENT WEIGHT AND CENTER OF GRAVITY. NEAR RIGHT ENDS OF UNITS (VIEWED FROM FRONT PANEL) SPRING WEIGHT CAPACITY MAY BE LARGER. IF HIGHER SPRING WEIGHT CAPACITY IS REQUIRED VS OTHER SPRING LOCATIONS, CONSIDER AN ADDITIONAL SPRING OF EQUAL "K" VALUE (lbs/in) NEAR RIGHT END OF LAST MODULE. IN GENERAL IT IS RECOMMENDED TO SELECT ALL MOUNTING SPRINGS OF EQUIVALENT "K" VALUE (lbs/in).

5 VRF OUTDOOR UNIT MOUNTING DETAIL
12" = 1'-0"



1. DUCT
2. SHEET-METAL STRAP 1" (25.4-MM) WIDE OF SAME METAL GAUGE AS DUCT.
3. ANGLE - NOT LESS THAN 1"x1"x1/8" (25.4x25.4x3MM), SIZED TO MATCH DUCT.
4. SHEET-METAL BAND 1" (25.4-MM) WIDE OF SAME METAL GAUGE AS DUCT.
5. ALL-THREAD HANGER ROD WITH ACCESSORIES AS USED FOR LIGHT PIPE HANGER.

2 SHEET METAL DUCT HANGERS
12" = 1'-0"



NOTES:

1. EQUIPMENT MOUNTING AND CONNECTION AND SEISMIC RESTRAINTS TO BE DESIGNED AND STAMPED BY LICENSED WASHINGTON STATE ENGINEER AS A DEFERRED SUBMITTAL

4 VIBRATION ISOLATION
12" = 1'-0"

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PROJECT # 2018136.01

PERMIT SET

ISSUE DATE JANUARY 10, 2020

REVISION SCHEDULE

MECHANICAL DETAILS

SHEET #

M5.02

PLUMBING GENERAL NOTES

1. THE FOLLOWING NOTES APPLY TO ALL PLUMBING DRAWINGS. ADDITIONAL PLUMBING NOTES MAY BE INDICATED ON EACH PLUMBING DRAWING. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. INSTALL ALL WASTE LINE CLEANOUTS IN ACCORDANCE WITH CHAPTER SEVEN OF THE UNIFORM PLUMBING CODE.
3. ALL SANITARY SEWER PIPING BELOW SLAB SHALL BE INSTALLED AT A MINIMUM OF 1/4" PER FT SLOPE UNLESS APPROVAL IS PROVIDED BY THE "ADMINISTRATIVE AUTHORITY" IN WRITING FOR A SHALLOWER SLOPE. IN NO CASES SHALL SEWER PIPING BE INSTALLED AT LESS THAN 1/8" PER FT SLOPE. IN NO CASES WILL PIPING SMALLER THAN 4" BE INSTALLED AT SLOPES SHALLOWER THAN 1/4" PER FOOT. PIPING INSTALLED AT 1/8"/FT SHALL BE RESIZED PER CHAPTER 7 OF THE UNIFORM PLUMBING CODE AND SUPPORTING CALCULATION SUBMITTED TO ENGINEER FOR REVIEW.
4. PROVIDE STOPS PRIOR TO ALL PLUMBING EQUIPMENT. THIS SHALL ALSO INCLUDE PROVIDING INTEGRAL STOPS ON ALL SHOWER AND TUB/SHOWER VALVES (WHETHER SPECIFIED OR NOT). PROVIDE WASTE TRAPS AT ALL DIRECT CONNECTED EQUIPMENT IN ACCORDANCE WITH CODE AND THE SPECIFICATIONS.
5. INSULATE P-TRAPS EXPOSED IN UNHEATED SPACES.
6. SEE ARCHITECTURAL DRAWINGS FOR ROOM ELEVATIONS AND PLUMBING FIXTURE HEIGHTS, AS WELL AS ROUGH-IN DIMENSIONS AND OTHER DETAILS. ALSO SEE ARCHITECTURAL DRAWINGS FOR FINISH REQUIREMENTS OF ALL PLUMBING FIXTURES INCLUDING REQUIREMENTS FOR FLUSH LEVER LOCATION AT ADA ADA COMPLIANT TOILETS AND VALVE LOCATIONS OF ADA SHOWERS. REPORT ALL DISCREPANCIES TO ENGINEER PRIOR TO ANY WORK.
7. PLUMBING DRAWINGS SHOW APPROXIMATE LOCATIONS OF PLUMBING FIXTURES. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS. COORDINATE FLOOR DRAINS FOR MECHANICAL SPACES WITH MECHANICAL EQUIPMENT BEING SERVED.
8. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR GENERAL CONSTRUCTION INCLUDING CONCRETE EQUIPMENT PADS, FLASHING DETAILS, ETC.
9. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL ELECTRICAL CHARACTERISTICS OF PLUMBING EQUIPMENT (VOLTAGES, ETC). ELECTRICAL CHARACTERISTICS OF LISTED EQUIPMENT SHALL BE VERIFIED BY CONTRACTOR DURING SUBMITIAL PROCESS. ANY ELECTRICAL CHARACTERISTICS THAT DEVIATE FROM THOSE LISTED SHALL BE IDENTIFIED BY THE CONTRACTOR, SUBMITTED TO THE ENGINEER FOR APPROVAL AND COORDINATED WITH DIVISION 26 ELECTRRICAL PRIOR TO INSTALLATION OF EQUIPMENT AS REQUIRED TO PROPERLY SERVE EQUIPMENT.
10. ELECTRICAL CHARACTERISTICS OF LISTED EQUIPMENT SHALL BE VERIFIED BY CONTRACTOR DURING SUBMITIAL PROCESS. ANY ELECTRICAL CHARACTERISTICS THAT DEVIATE FROM THOSE LISTED SHALL BE IDENTIFIED BY THE CONTRACTOR, SUBMITTED TO THE ENGINEER FOR APPROVAL AND COORDINATED WITH DIVISION 26 ELECTRRICAL PRIOR TO INSTALLATION OF EQUIPMENT AS REQUIRED TO PROPERLY SERVE EQUIPMENT.
11. PROVIDE PLUMBING ANCHORAGE AND EXPANSION EVERY 100' PIPE LENGTH PER CODE.
12. ACCESS PANELS ARE REQUIRED AT ALL CONCEALED VALVES AND EQUIPMENT. COORDINATE LOCATION AND SIZE WITH ARCHITECT.
13. STUB OUT TO SITE SERVICES 5' OUTSIDE BUILDING FOUNDATION. PIPE SIZE, FIXTURE UNITS, AREA DRAINED, INVERT ELEVATION, SIZES, AND SQUARE FOOTAGES AS INDICATED. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK.
14. INSULATE PIPING PER WSEC C404.6 AND PER DIVISION 22 SPECIFICATIONS (WHICHEVER IS GREATER).
15. GENERALLY DUCTWORK PLANNED TO BE TIGHT TO STRUCTURE WITH PIPING BELOW DUCTWORK AND BETWEEN LIGHT FIXTURES. ADJUST AS NECESSARY.
16. PIPING INSTALLED ADJACENT TO ELECTRICAL CABLE TRAYS SHALL ALLOW MINIMUM ACCESS OF 6" IF RUNNING PARALLEL AND ABOVE CABLE TRAYS, ALLOW 18" TO THE SIDE OF CABLE TRAYS.
17. COORDINATE LOCATIONS OF PLUMBING EQUIPMENT TO PROVIDE CLEARANCES OVER LIGHTING FIXTURES FOR REMOVAL AND SERVICE ACCESS DUE TO EQUIPMENT MAINTENANCE.
18. REFER TO PIPING DIAGRAMS AND DETAILS FOR REQUIRED FITTINGS, VALVES, ETC. FLOOR PLANS AND SECTIONS INDICATE EQUIPMENT LOCATIONS AND GENERAL PIPE ROUTING ONLY.
19. DO NOT CORE DRILL OR DRILL THROUGH BEAMS, COLUMNS, AND SHEAR WALLS, UNLESS INDICATED ON STRUCTURAL DRAWINGS OR AS APPROVED BY THE STRUCTURAL ENGINEER.
20. PIPES INDICATED WITHOUT DIMENSIONS SHALL BE SIZED PER PRECEDING UPSTREAM PIPE SECTIONS. WHERE PIPE SIZES ARE NOT SHOWN ON DRAWINGS, SIZE PIPING PER THE UNIFORM PLUMBING CODE.
21. DRAWINGS ARE SCHEMATIC IN SOME AREAS AND MAY NOT SHOW PIPING OFFSETS WHICH MAY BE REQUIRED.
22. ALL WATER PIPING IN UNHEATED SPACES SHALL BE HEAT TRACED AND INSULATED.
23. PRIOR TO SUBMITTING ALL PLUMBING FIXTURES THE CONTRACTOR SHALL VERIFY COMPATIBILITY OF THE SPECIFIED FIXTURE WITH THE SIZES OF FINISH CABINETRY AS IDENTIFIED IN GENERAL CONTRACTOR'S SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN THE SIZE OF THE FIXTURES SPECIFIED AND THE FINISH CABINETRY SIZES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING BEFORE SUBMITIAL.
24. PLUMBING VENTS SHALL TERMINATE MINIMUM 10' FROM FRESH AIR INTAKES PER CODE.
25. LABEL ALL PIPING SYSTEMS PER THE IMC AND UPC.
26. SUPPORT AND BRACE PIPING SYSTEMS IN ACCORDANCE WITH UPC SECTION 314 AND AS REQUIRED IN THE SPECIFICATIONS.
27. TEST HYDRONIC PIPING PER IMC 1208.
28. ALL MATERIALS IN CONTACT WITH PIPING SYSTEMS SHALL BE COMPATIBLE FOR USE WITH AND FOR CONTACT WITH THE PIPING MATERIAL CONTRACTORS AND TRADES SHALL VERIFY COMPATIBILITY OF THEIR PRODUCTS WITH THE PIPING SYSTEMS. THIS INCLUDES, BUT IS NOT LIMITTED TO, FIRE STOPPING SEALANTS, FIRE STOPPING COLLARS, VIBRATION ISLOATION ELEMENTS, THERMAL INSULATION, EXPANSION JOINTS AND ANY MATERIAL IN CONTACT WITH PIPES.
29. ALL CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE (CISPI) AND BE LISTED BY NSF INTERNATIONAL.
30. PIPE BURIAL METHODS FOR BELOW GRADE PIPING SHALL COMPLY WITH MFR INSTALLATION INSTRUCTIONS, ASTM D 2321 AND ASTM F1668. FAILURE TO FOLLOW THESE REQUIREMENTS CAN LEAD TO PIPE FAILURE.
31. ALL ITEMS IN CONTACT WITH POTABLE WATER SHALL COMPLY WITH THE NATIONAL "REDUCTION OF LEAD IN DRINKING WATER ACT" S.3874.
32. INSULATE ANY INTERIOR STORM DRAINS THAT ROUTE THROUGH CONDITIONED SPACES.
33. PROVIDE SWING JOINTS TO RAINWATER LEADER DOWNCOMERS
34. AS THEY PENETRATE ROOFS OVER CONDITIONED SPACES.

PLUMBING LEGEND

SYMBOL	DESCRIPTION
1 / A101	SECTION/ELEVATION VIEW
1 / A101	DETAIL VIEW
WH-1	PLUMBING EQUIPMENT TAG
P-1 TYP #	PLUMBING FIXTURE TAG
TMV-1	PLUMBING ACCESSORIE TAG
1	SHEET NOTE TAG
1	REVISION TAG
	ENVELOPE PENETRATION

PLAN - SECTION - SCHEMATIC

SYMBOL	DESCRIPTION
	CHECK VALVE
	BALL VALVE
	GATE VALVE
	MOTOR CONTROL VALVE
	PRESSURE REGULATING VALVE
	PRESURE RELEIF VALVE
	BACK FLOW PREVENTER
	MANUAL BALANCING VALVE
	UNION
	GAS PRESSURE REGULATOR
M	WATER METER
P	PRESSURE GAUGE
T	TEMPERATURE GAUGE
	PUMP
	EXPANSION TANK

LINE TYPES

SYMBOL	DESCRIPTION
CW	COLD WATER PIPING
HW	HOT WATER PIPING
HW 140F	HOT WATER PIPING (140F)
HWC	HOT WATER CIRCULATION PIPING
NPW	NON-POTABLE WATER
EW	EXISTING WASTE PIPING
W	WASTE PIPING
V	VENT PIPING
S	STORM
HYDS	HYDRONIC SUPPLY
HYDR	HYDRONIC RETURN
COND	CONDENSATE PIPING
GAS	GAS PIPING
FP	FIRE PROTECTION PIPING
	STORM

PLUMBING ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ARCH	ARCHITECT
BV	BALANCING VALVE
BW	BLACK WASTE WATER
CTE	CONNECT TO EXISTING
CV	CHECK VALVE
CW	COLD WATER
CWR	COLD WATER RETURN
CWRI	COLD WATER RISER
CWS	COLD WATER SUPPLY
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DF	DRINKING FOUNTAIN
DFU	DRAIN FIXTURE UNIT
DIA	DIAMETER
DN	DOWN
DWV	DRAIN WASTE VENT
ELEV	ELEVATION
ESV	EARTHQUAKE SHUT-OFF VALVE
F	FIRE
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FLR	FLOOR
FP	FIRE PROTECTION
FS	FLOOR SWITCH
FSK	FLOOR SINK
FV	FLUSH VALVE
FW	FIRE WATER
GC	GENERAL CONTRACTOR
GCO	GRADE CLEAN OUT
GI	GREASE INTERCEPTOR
GPF	GALLONS PER FLUSH
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
HD	HUB DRAIN
HPG	HIGH PRESSURE GAS
HW	HOT WATER
HWR	HEATING WATER RETURN
HWRI	HOT WATER RISER
HWS	HEATING WATER SUPPLY
IE	INVERT ELEVATION
IW	INDIRECT WASTE
JSK	JANITOR SINK
LAV	LAVATORY
LPG	LIQUEFIED PETROLEUM GAS
MPG	MEDIUM PRESSURE GAS
MW	MIXED WASTE WATER
NP	NON-POTABLE
OHP	OUTDOOR HEAT PUMP
PG	PRESSURE GAUGE
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
RCW	RECLAIMED/NON-POTABLE COLD WATER
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RR	RESTROOM
S	STORM
SH	SHOWER
SK	SINK
SS	SOIL STACK
SSV	SERVICE SHUT-OFF VALVE
SW	SANITARY WASTE
TP	TRAP PRIMER
TYP	TYPICAL
UR	URINAL
V	VENT
VS	VENT STACK
VTR	VENT THRU ROOF
W	WASTE
WC	WATER CLOSET
WCO	WATER CLEAN OUT
WM	WASHING MACHINE
WS	WASTE STACK
WSFU	WATER SUPPLY FIXTRUE UNITS

LAVATORY MIXING VALVES

PER THE 2015 UPC 407.3 WATER DELIVERED TO PUBLIC-USE LAVATORIES SHALL BE LIMITED TO A MAXIMUM TEMPERATURE OF 120°F BY A DEVICE THAT IS IN ACCORDANCE WITH ASSE 1070 OR CSA B125.3 THE WATER HEATER CONTROL IS NOT CONSIDERED A CONTROL MEETING THIS PROVISION.

PUBLIC-USE LAVATORIES SHALL BE DEFINED AS A HAND SINK ADJACENT TO WATER CLOSETS OR URINALS IN NON-LOCKING BATHROOMS INTENDED FOR AN OCCUPANCY OF MORE THAN ONE PERSON AT A TIME.

PLUMBING CONTRACTOR TO PROVIDE MIXING VALVES FOR PUBLIC LAVATORIES PER FIXTURE SCHEDULE.

PIPING MATERIALS - SANITARY DRAINAGE

CONDENSATE PIPING SHALL BE TYPE "L" COPPER WITH WROT COPPER FITTINGS OR SCH 40 PVC.

SANITARY DRAINAGE PIPING SHALL BE "NO-HUB" CAST IRON PIPING IN ALL RESIDENTIAL AREAS INCLUDING VERTICAL WASTE STACKS AND ALL DWELLING UNITS WASTE PIPING. PLASTIC PIPING IS TO BE USED IN PARKING GARAGES. PIPING IN RATED PLENUMS TO BE CAST IRON.

VENT PIPING SHALL BE CAST IRON WHEN INSTALLED IN RATED PLENUMS.

IN ALL AREAS OTHER THAN FIRE RATED PLENUMS, VENT PIPING SHALL BE PLASTIC.

CAST IRON PIPING TO BE USED IN ACOUSTICALLY SENSITIVE AREAS

PIPING MATERIALS - WATER

ALL WATER PIPING 2-1/2" THROUGH 6" TO BE MATERIAL APPROVED BY UPC.

ALL WATER PIPING 2" AND SMALLER TO BE PEX TUBING WITH PEX FITTINGS.

PIPING SHALL BE INSTALLED IN ACCORDANCE WITH SIZES CALLED OUT ON PLANS. MAXIMUM WATER VELOCITIES WITHIN PIPING SHALL BE AS FOLLOWS:

STAINLESS TUBE AND FITTING SYSTEMS - 10 FT/SEC ON COLD WATER PIPING, 5 FT/SEC ON HOT WATER PIPING, 3 FT/SEC ON HOT WATER RECIRC PIPING

COPPER TUBE AND FITTING SYSTEMS - 8 FT/SEC ON COLD WATER PIPING, 5 FT/SEC ON HOT WATER PIPING, 3 FT/SEC ON HOT WATER RECIRC PIPING

PEX TUBE AND FITTING SYSTEMS - 10 FT/SEC ON COLD WATER PIPING, 8 FT/SEC ON HOT WATER PIPING, 2 FT/SEC ON HOT WATER RECIRC PIPING

MAX ALLOWABLE PRESSURE DROP FROM FRICTION FOR ENTIRE PIPING AND FITTINGS IS 30 PSI

PROVIDE DIELECTRIC UNIONS WHERE GALVANICALLY DISSIMILAR METALS JOIN.

ROOF DRAINAGE CALCS

ROOF DRAINAGE CALCULATIONS ARE PER THE 2015 UPC TABLE 1101.8 AND 1101.12 FOR HORIZONTAL AND VERTICAL RAINWATER PIPING.

RAINFALL DATA WAS PROVIDED BY 2015 UPC APPENDIX D, TABLE D101.1 = 1 INCH PER HOUR

SECONDARY ROOF DRAINAGE SYSTEM SHALL BE PROVIDED. THE SECONDARY ROOF DRAINAGE SYSTEM MAY CONNECT TO THE PRIMARY SYSTEM INTO ANY VERTICAL SECTION DOWNSTREAM OF ANY HORIZONTAL OFFSET OF THE PRIMARY SYSTEM. THE COMBINED SECONDARY AND PRIMARY ROOF DRAINAGE SYSTEMS SHALL BE SIZED IN ACCORDANCE WITH THE 2015 UPC SECTION 1101.12.2.2.2 FOR DOUBLE THE RAINFALL RATE FOR THE LOCAL AREA.

ALL STORM WATER PIPING TO RUN AT 1/8" PER FOOT SLOPE.

2015 WSEC TABLE C403.2.9
MINIMUM PIPE INSULATION THICKNESS(THICKNESS IN INCHES)

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (inches)				
	CONDUCTIVITY Btu•in/(h•ft²•ºF)^b	MEAN RATING TEMPERATURE, ºF	<1	1 TO < 1-1/2	1-1/2 TO < 4	4 TO < 8	≥ 8
>350	0.32 - 0.34	250	4.5	5.0	5.0	5.0	5.0
251-350	0.29 - 0.32	200	3.0	4.0	4.5	4.5	4.5
201-250	0.27 - 0.30	150	2.5	2.5	2.5	3.0	3.0
141-200	0.25 - 0.29	125	1.5	1.5	2.0	2.0	2.0
105-140	0.21 - 0.28	100	1.0	1.0	1.5	1.5	1.5
40-60	0.21 - 0.27	75	0.5	0.5	1.0	1.0	1.0
<40	0.20 - 0.26	75	0.5	1.0	1.0	1.0	1.5

A. FOR PIPING SMALLER THAN 1-1/2 INCH (38 MM) AND LOCATED IN PARTITIONS WITHIN CONDITIONED SPACES, REDUCTION OF THESE THICKNESSES BY 1 INCH (25 MM) SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE B) BUT NOT TO A THICKNESS LESS THAN 1 INCH (25 MM).
B. FOR INSULATION OUTSIDE THE STATED CONDUCTIVITY RANGE, THE MINIMUM THICKNESS (T) SHALL BE DETERMINED AS FOLLOWS: T = R{(1 + T/R)K/K - 1} WHERE: T = MINIMUM INSULATION THICKNESS, R = ACTUAL OUTSIDE RADIUS OF PIPE, T = INSULATION THICKNESS LISTED IN THE TABLE FOR APPLICABLE FLUID TEMPERATURE AND PIPE SIZE, K = CONDUCTIVITY OF ALTERNATE MATERIAL AT MEAN RATING TEMPERATURE INDICATED FOR THE APPLICABLE FLUID TEMPERATURE (BTU X IN/H X FT² X °F) AND K = THE UPEER VALUE OF THE CONDUCTIVITY RANGE LISTED IN THE TABLE FOR THE APPLICABLE FLUID TEMPERATURE.
C. FOR DIRECT-BURIED HEATING AND HOT WATER SYSTEM PIPING, REDUCTION OF THESE THICKNESSES BY 1-1/2 INCHES SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE B BUT NOT TO THICKNESSES LESS THAN 1 INCH.)

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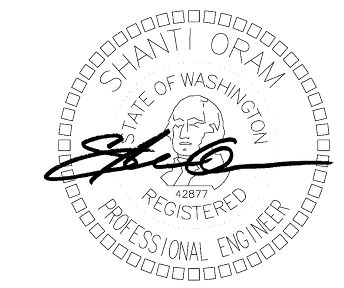

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ISSUE DATE JANUARY 10, 2020

REVISION SCHEDULE

PLUMBING GENERAL NOTES

SHEET #
P0.01

PLUMBING - FIXTURES

TAG	DESCRIPTION	MANUFACTURER	MODEL	FLOW	PIPE CONNECTION (INCH) CW	HW	W	V	NOTES
DF-1	WATER FOUNTAIN	ELKAY		0 GPM	1/2"	0"	2"	1 1/2"	
FD-1	FLOOR DRAIN	TBD	TBD	0 GPM	0"	0"	2"	1 1/2"	
FD-2	FLOOR DRAIN	TBD	TBD	0 GPM	0"	0"	3"	2"	
FS-1	FLOOR SINK	TBD	TBD	0 GPM	0"	0"	3"	2"	
HB-1	HOSE BIBB	TBD	TBD	0 GPM	3/4"	0"	0"		
HD-1	HUB DRAIN	TBD	TBD	0 GPM	0"	0"	4"	2"	FOR FIRE VALVE DRAIN
L-1	LAVATORY	TBD	TBD	0 GPM	1/2"	1/2"	2"	1 1/2"	NO PLUGS, DRAIN MESH, AUTOMATIC ELECTRIC FAUCET - FOR PATIENT RESTROOMS
L-2	LAVATORY	TBD	TBD	0 GPM	1/2"	1/2"	2"	1 1/2"	NO PLUGS, DRAIN MESH, MANUAL FAUCET - FOR STAFF RESTROOMS
L-3	LAVATORY	TBD	TBD	0 GPM	1/2"	1/2"	2"	1 1/2"	CHILDREN'S LAVATORY, NO PLUGS, DRAIN MESH
SH-1	SHOWER	TBD	TBD	0 GPM	1/2"	1/2"	2"	1 1/2"	SHOWER INSERT
SK-1	SINK	TBD	TBD	0 GPM	1/2"	1/2"	2"	1 1/2"	SMALL STAINLESS STEEL SINK
SK-2	SINK	TBD	TBD	0 GPM	1/2"	1/2"	2"	1 1/2"	MEDIUM STAINLESS STEEL SINK
SK-3	SINK	TBD	TBD	0 GPM	1/2"	1/2"	2"	1 1/2"	SINGLE BASIN STAINLESS STEEL KITCHEN SINK
SK-4	SINK	TBD	TBD	0 GPM	1/2"	1/2"	2"	1 1/2"	DOUBLE BASIN STAINLESS STEEL SINK
SK-5	SINK	TBD	TBD	0 GPM	1/2"	1/2"	2"	1 1/2"	DENTAL OPERATORY SINK. PROVIDE KNEE PEDALS AND EYE WASH AT FAUCET
SK-6	SINK	TBD	TBD	0 GPM	1/2"	1/2"	2"	1 1/2"	LARGE SINGLE BASIN STAINLESS STEEL LAB SINK
SK-7	SINK	T&S BRASS	B1230	0 GPM	1/2"	0"	2"	1 1/2"	GLASS FILLER SINK
SS-1	SERVICE SINK	TBD	TBD	0 GPM	3/4"	3/4"	2"	3"	
WB-1	WASHER BOX	TBD	TBD	0 GPM	1/2"	1/2"	2"	0"	CLOTHES WASHER CONNECTION BOX, WITH WATER HAMMER ARRESTORS INTEGRAL
WC-1	WATER CLOSET	AMERICAN STANDARD	TBD	0 GPM	1"	0"	4"	2"	FLUSH VALVE TOILET HUNG AT ADA HEIGHT
WC-2	WATER CLOSET	AMERICAN STANDARD	TBD	0 GPM	1"	0"	4"	2"	CHILDREN'S TOILET

PLUMBING - ACCESSORIES

TAG	MANUFACTURER	MODEL	DESCRIPTION	SERVICE	PIPE CONNECTION DIAMETER (INCH) CW	HW	W	V	VOLUME	NOTES
EXP-1	TBD	TBD	EXPAINSION TANK	DOMESTIC WATER	0.000	0.000	0.000	0.000	2.1 gal	
RPBP-1	TBD	TBD	PRIMARY BACKFLOW PREVENTOR	DOMESTIC WATER	2.500					
RPBP-2	TBD	TBD	SECONDARY BACKFLOW PREVENTOR	DOMESTIC WATER	2.000					
TMV-1	TBD	TBD	TEMPERATURE MIXING VALVE	DOMESTIC WATER	0.000	0.000			0.0 gal	
TMV-2	TBD	TBD	TEMPERATURE MIXING VALVE	DOMESTIC WATER	0.000	0.000			0.0 gal	
TMV-3	TBD	TBD	TEMPERATURE MIXING VALVE	DOMESTIC WATER	0.000	0.000			0.0 gal	

PLUMBING - ELECTRIC WATER HEATER

TAG	MANUFACTURER	MODEL	VOLUME	DIMENSIONS (INCH) RADIUS	HEIGHT	WEIGHT	PIPE CONNECTIONS (INCH) CW	HW	POWER	VOLTS/PHASE	CURRENT DRAW	NOTES
EWH-1	RHEEM	PROPH80 T2 RH350 DCB	80 gal	0' - 0"	0' - 0"	0 lb	0"	0"	5,000 W			INTEGRATED HEAT PUMP WATER HEATER
EWH-2	RHEEM	PROPH80 T2 RH350 DCB	80 gal	0' - 0"	0' - 0"	0 lb	0"	0"	5,000 W			INTEGRATED HEAT PUMP WATER HEATER
EWH-3	TBD	TBD	6 gal	0' - 0"	0' - 0"	0 lb	0"	0"	0 W			LOWBOY ELECTRIC WATER HEATER MOUNTED ABOVE THE CEILING

PLUMBING - PUMPS

TAG	MANUFACTURER	MODEL	FLOW (GPM)	HEAD (FT)	VOLT/PHASE	CURRENT DRAW (AMPS)	WEIGHT (LBS)	PIPE CONNECTION (INCH)	NOTES
PMP-1	TBD	TBD	2 GPM	0.0 ftH2O			0.00 lbf	0"	HOT WATER CIRCULATION PUMP
PMP-2	TBD	TBD	1 GPM	0.0 ftH2O			0.00 lbf	0"	HOT WATER CIRCULATION PUMP

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PLUMBING SCHEDULE

SHEET #
P0.02

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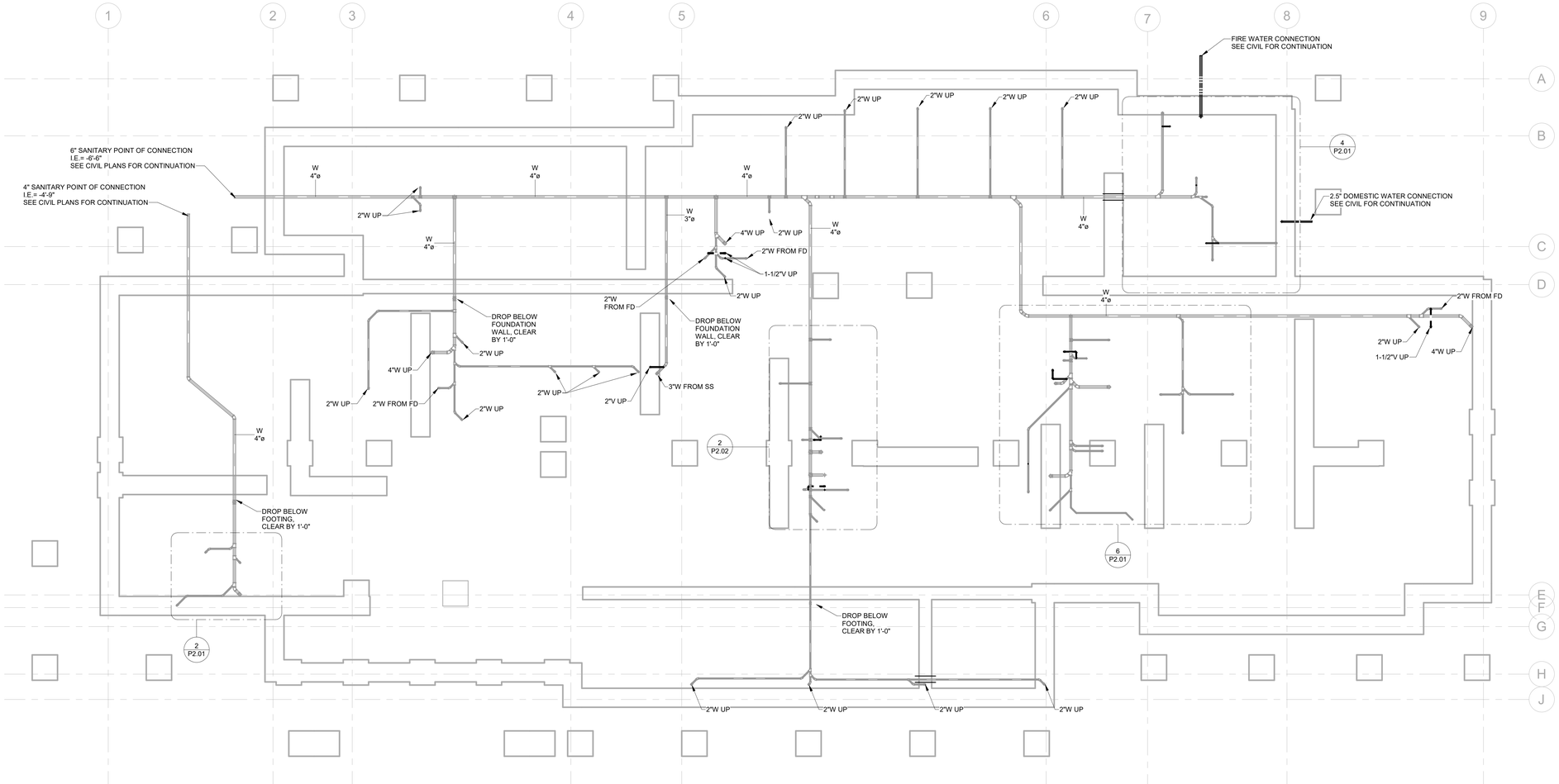

1 PLUMBING - FOUNDATION PLAN
1/8" = 1'-0"

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PLUMBING
FOUNDATION PLAN

SHEET #
P1.00

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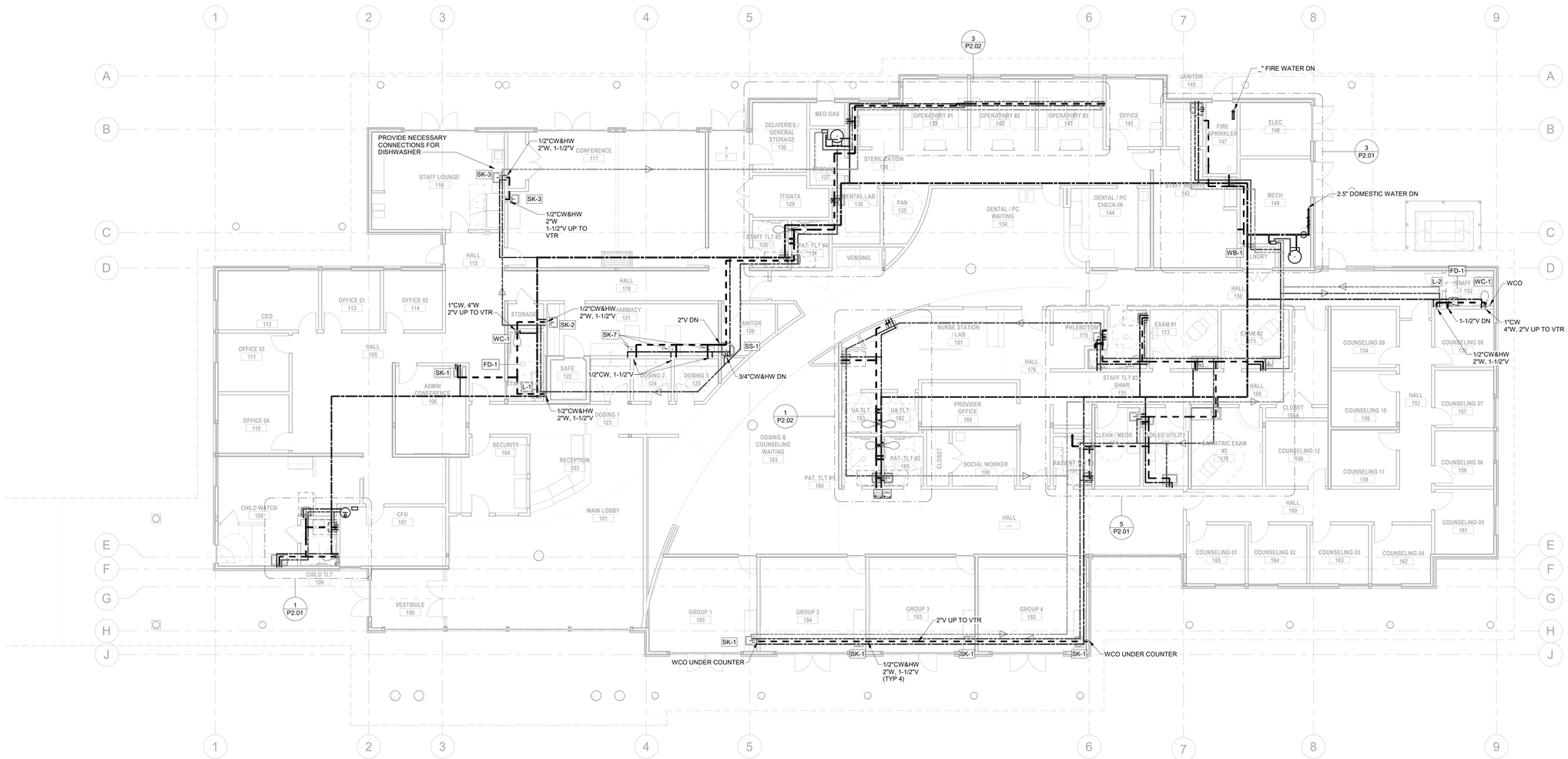

1 PLUMBING - LEVEL 1 FLOOR PLAN
1/8" = 1'-0"

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PLUMBING LEVEL 1 FLOOR PLAN

SHEET #
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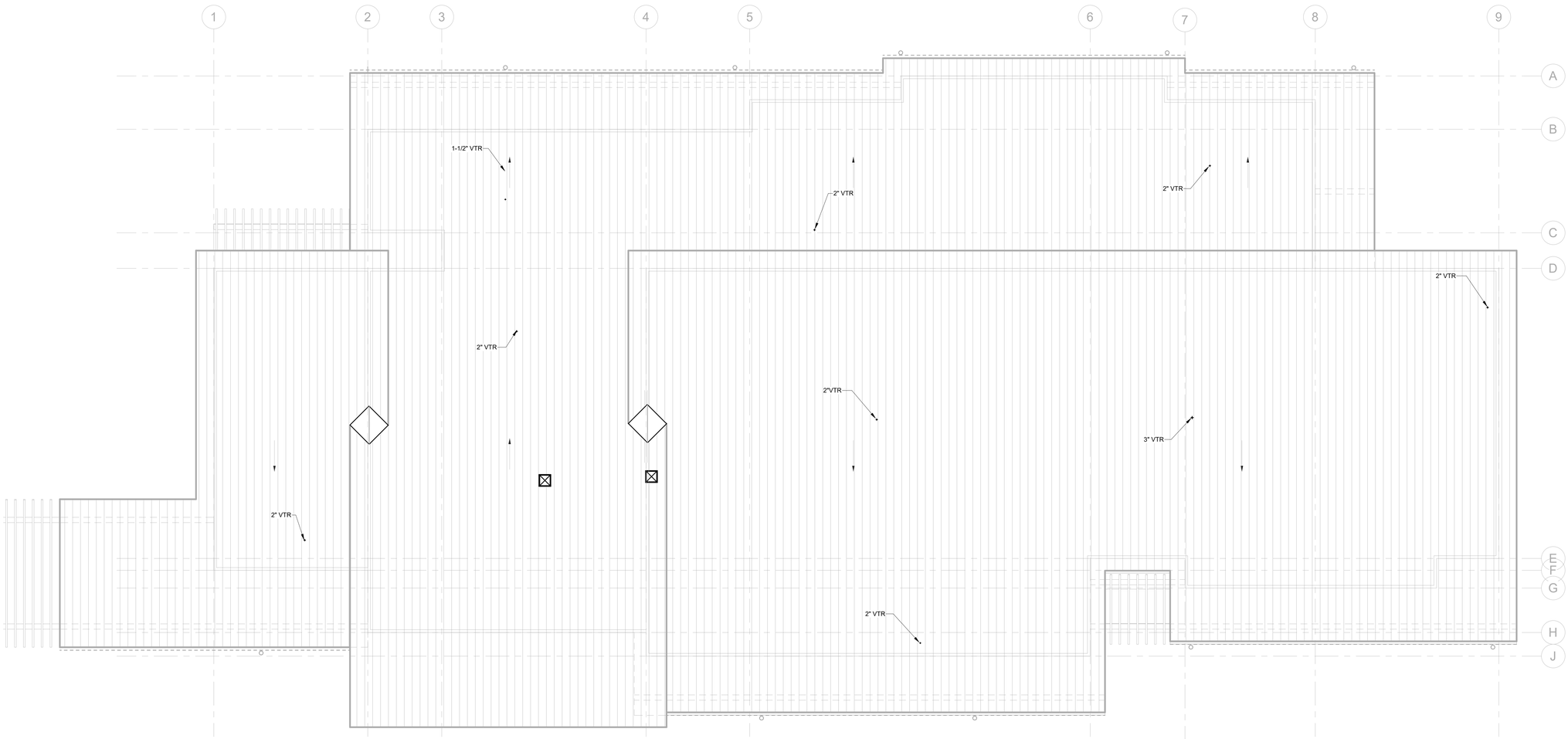

1 PLUMBING - ROOF PLAN
1/8" = 1'-0"

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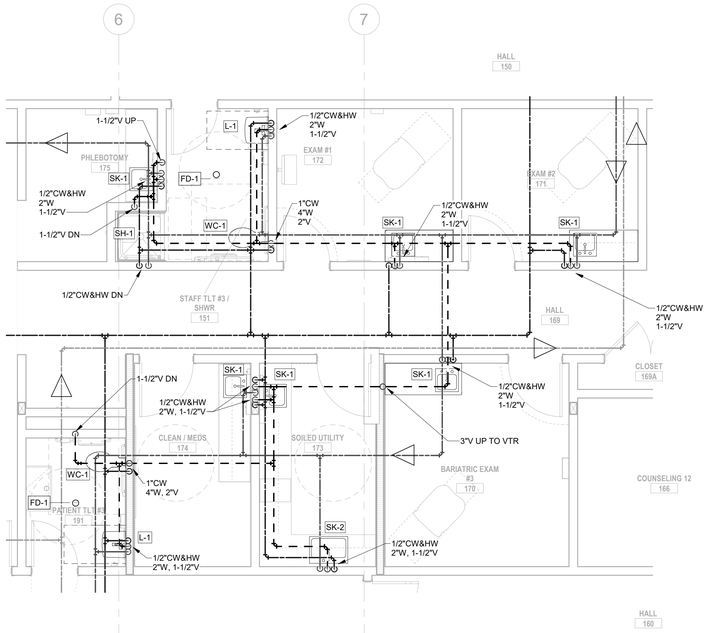
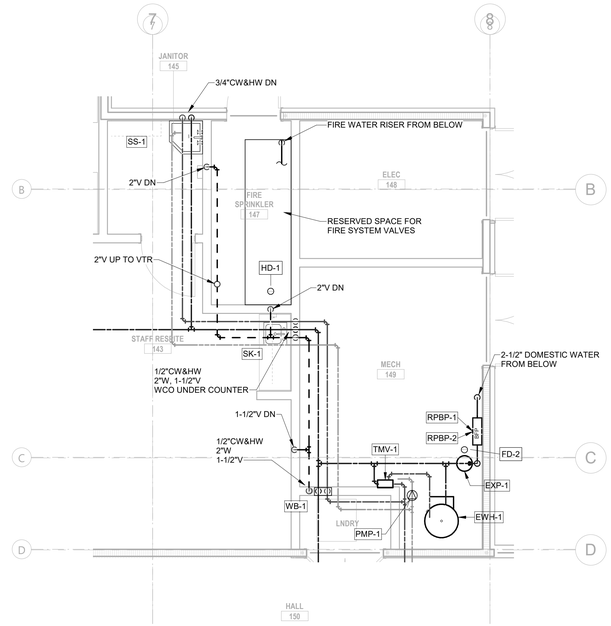
PLUMBING ROOF PLAN

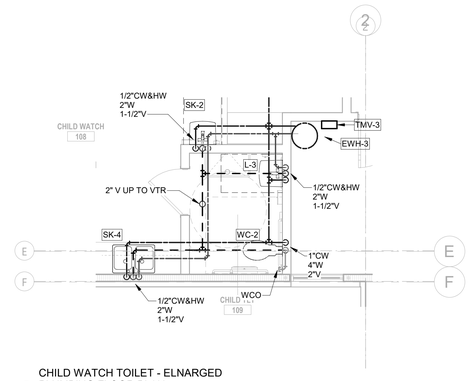
SHEET #
P1.02



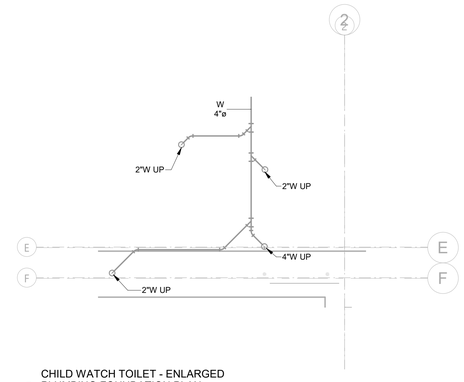
EXAM ROOMS AND STAFF SHOWER - ENARGED PLUMBING FLOOR PLAN
5 1/4" = 1'-0"



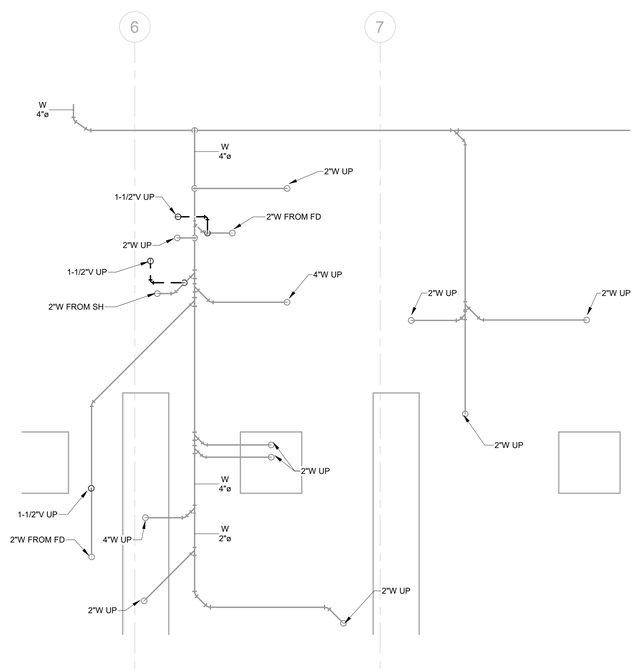
MECH ROOM ETC. - ENLARGED PLUMBING FLOOR PLAN
3 1/4" = 1'-0"



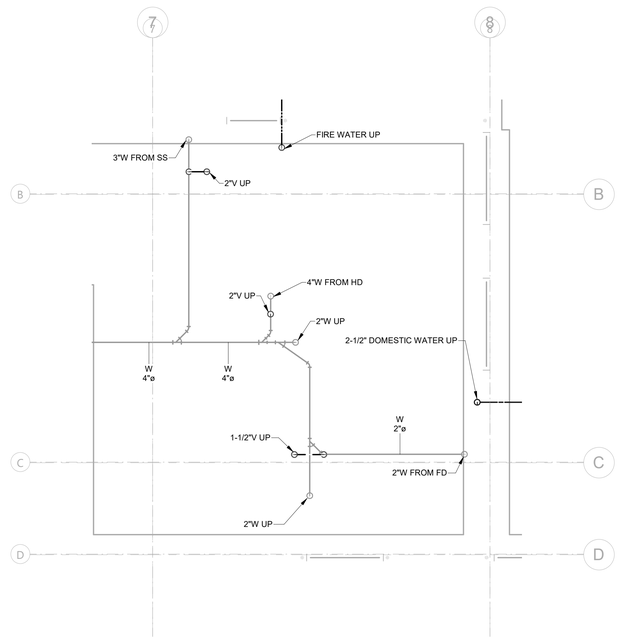
CHILD WATCH TOILET - ELNARGED PLUMBING FLOOR PLAN
1 1/4" = 1'-0"



CHILD WATCH TOILET - ENLARGED PLUMBING FOUNDATION PLAN
2 1/4" = 1'-0"



EXAM ROOMS AND STAFF SHOWER - ENARGED PLUMBING FOUNDATION PLAN
6 1/4" = 1'-0"



MECH ROOM ETC. - ELNARGED PLUMBING FOUNDATION PLAN
4 1/4" = 1'-0"

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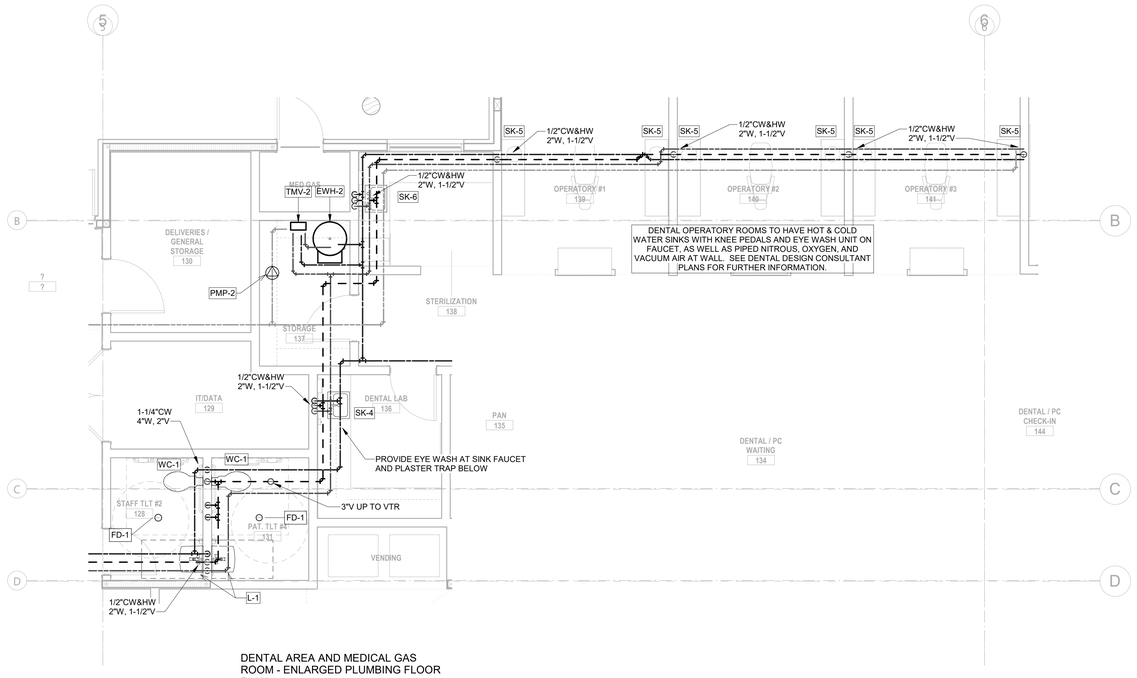
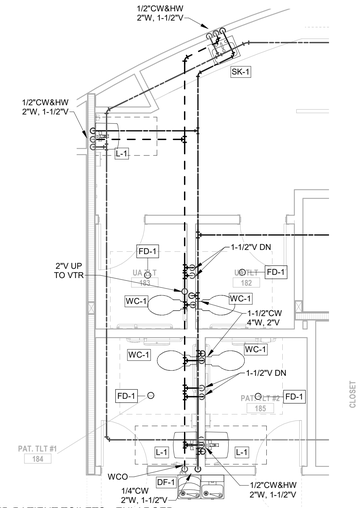
PLUMBING ENLARGED PLANS

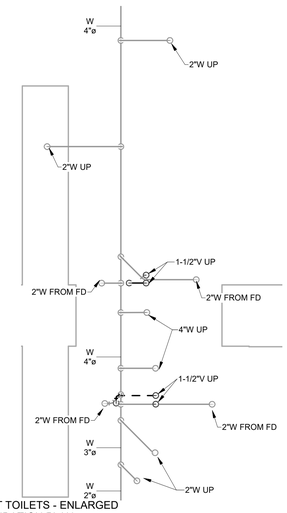
SHEET #
P2.01



3 DENTAL AREA AND MEDICAL GAS ROOM - ENLARGED PLUMBING FLOOR PLAN
1/4" = 1'-0"



1 UA AND PATIENT TOILETS - ENLARGED PLUMBING FLOOR PLAN
1/4" = 1'-0"



2 UA AND PATIENT TOILETS - ENLARGED PLUMBING FOUNDATION PLAN
1/4" = 1'-0"

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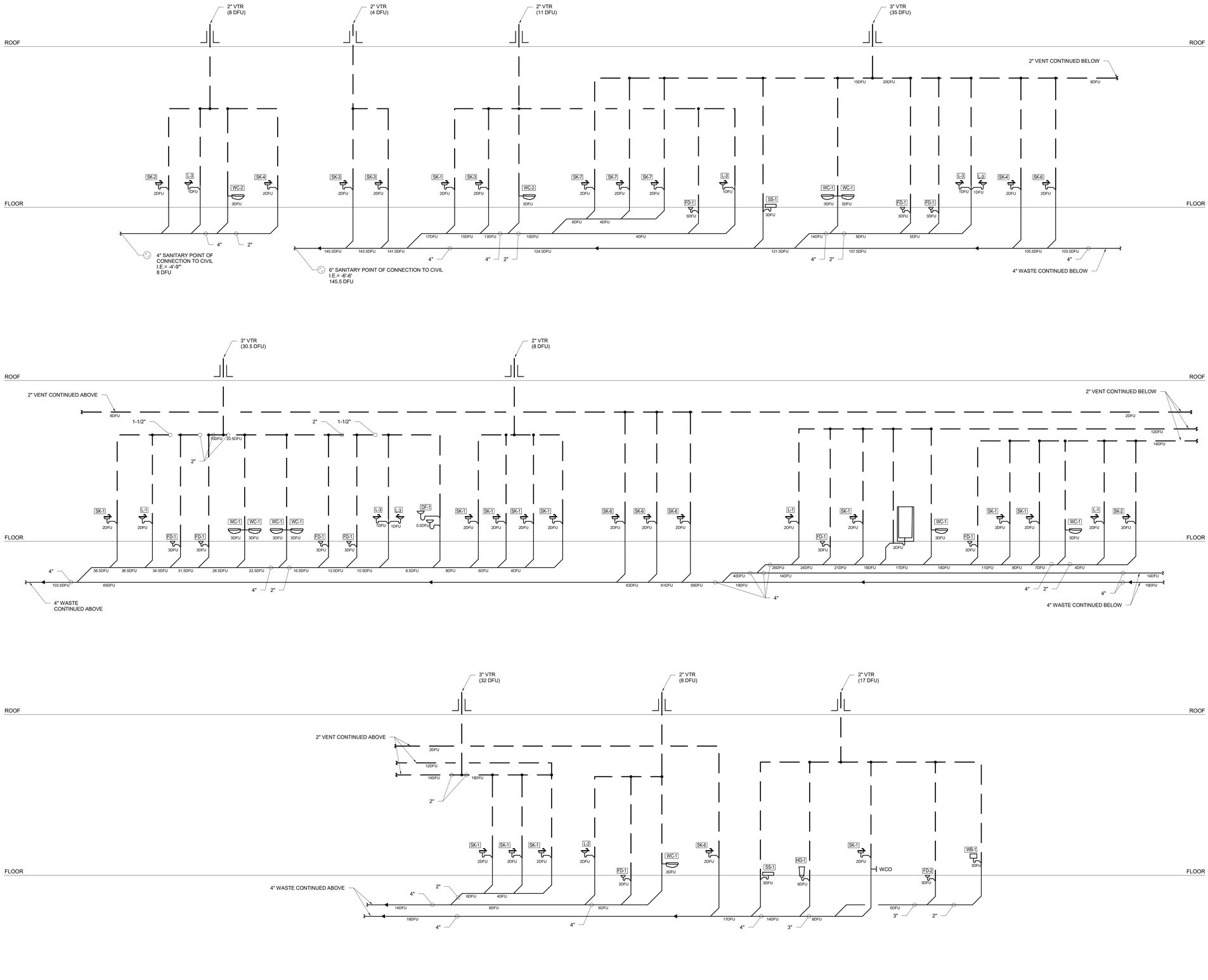
PLUMBING ENLARGED PLANS

SHEET #

P2.02



1 WASTE RISER
1/8" = 1'-0"

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PLUMBING WASTE RISER DIAGRAM

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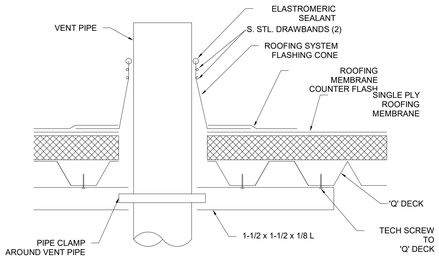
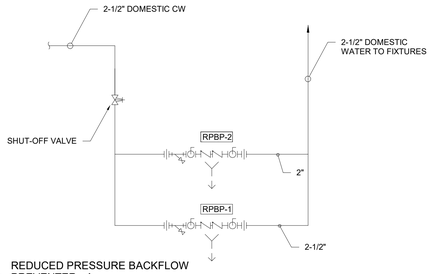
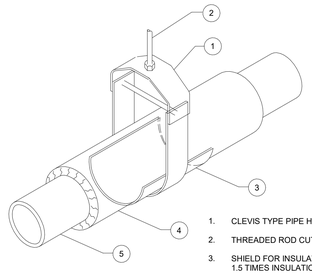


10 VENT THRU ROOF DETAIL
12" = 1'-0"

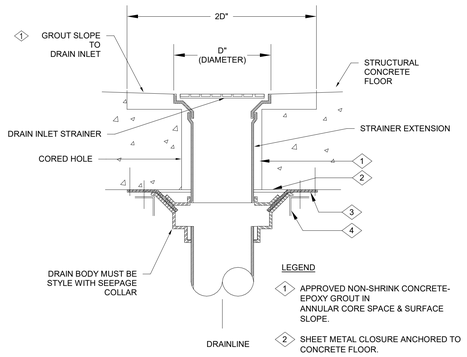


7 REDUCED PRESSURE BACKFLOW PREVENTER - A
12" = 1'-0"



1. CLEVIS TYPE PIPE HANGER
2. THREADED ROD CUT TO LENGTH
3. SHIELD FOR INSULATION - LENGTH 1.5 TIMES INSULATION DIAMETER
4. INSULATION
5. CARRIER PIPE

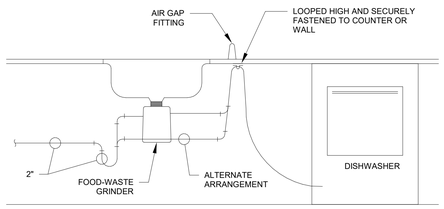
4 PIPE HANGER - CLEVIS TYPE
12" = 1'-0"



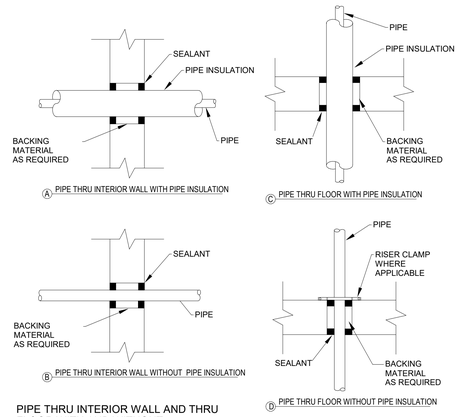
LEGEND

1. APPROVED NON-SHRINK CONCRETE-EPOXY GROUT IN ANNULAR CORE SPACE & SURFACE SLOPE.
2. SHEET METAL CLOSURE ANCHORED TO CONCRETE FLOOR.
3. SAFING MATERIAL 1-1/2 x DRAIN DIAMETER (8) MINIMUM STUD PIN SUPPORTS.
4. 1-1/2"x3"x12" ANGLE STEEL SUPPORT EACH SIDE MINIMUM (4) STUD PIN FASTENERS.

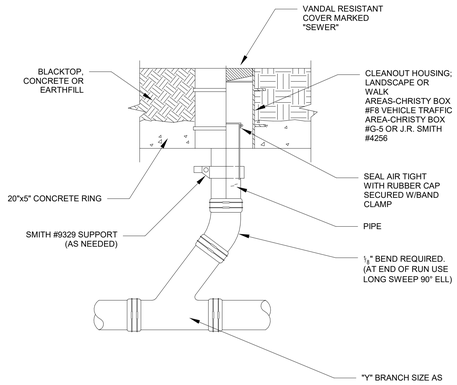
1 CORE DRILL FLOOR DRAIN
12" = 1'-0"



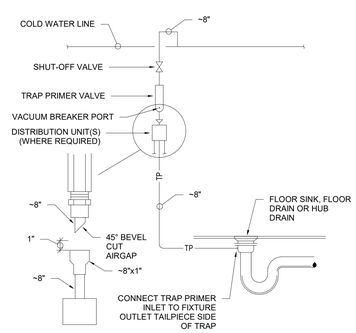
8 RESIDENTIAL SINK AND DISHWASHER
12" = 1'-0"



PIPE THRU INTERIOR WALL AND THRU FLOOR WITH AND WITHOUT INSULATION
5 12" = 1'-0"



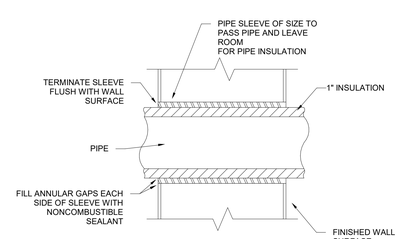
2 GRADE CLEANOUT
12" = 1'-0"



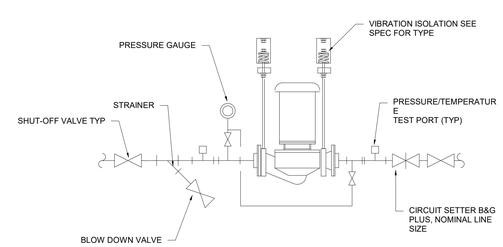
NOTES:

1. PROVIDE ACCESS PANEL IN WALLS AT TRAP PRIMER UNIT LOCATIONS.
2. TRAP PRIMER VALVE SHALL BE MOUNTED ONE FOOT ABOVE THE FINISHED FLOOR FOR EVERY 20 FEET OF PRIMER LINE.
3. INSTALL TRAP PRIMER PIPING AND UNIT PER MANUFACTURER'S RECOMMENDATIONS. PIPING MUST SLOPE TO POINT OF CONNECTION TO DRAIN WITHOUT TRAPS IN PIPING

9 TRAP PRIMER INSTALLATION
12" = 1'-0"



6 PIPE WALL PENETRATION
12" = 1'-0"



NOTE: MOUNT PUMP MOTOR HORIZONTAL, OR BELOW PUMP FOR HOT WATER APPLICATIONS

3 INLINE PUMP PIPING TRIM DETAIL
12" = 1'-0"

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PLUMBING DETAILS

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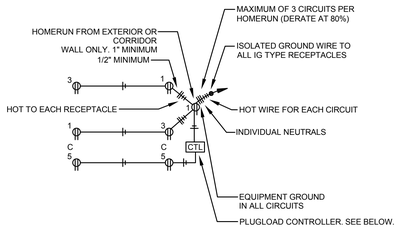
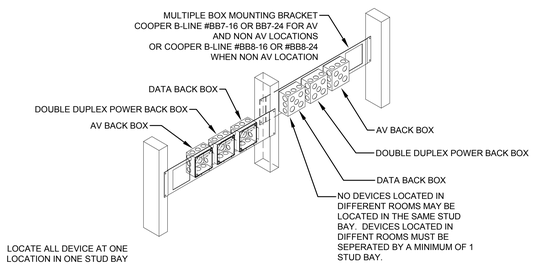


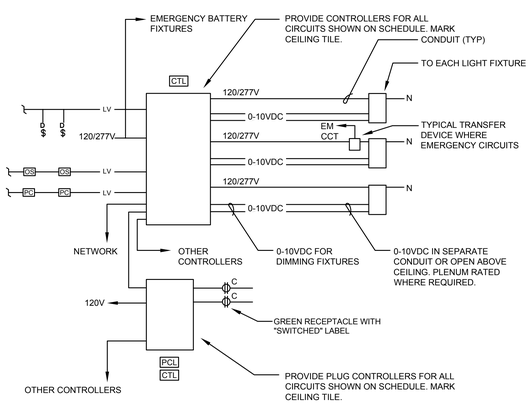
TYPICAL RECEPTACLE CIRCUITING DETAIL

SCALE: NONE



POWER, DATA AND AV ROUGH IN DETAIL

SCALE: NONE



TYPICAL LIGHTING CONTROL DETAIL

SCALE: NONE

LEGEND

- CONDUIT CONCEALED IN CEILING OR WALLS
- CONDUIT CONCEALED UNDERGROUND, UNDER FLOOR, OR IN WALL
- HOME RUN TO DESTINATION INDICATED. 1" MINIMUM UNLESS NOTED OTHERWISE.
- SURFACE OR PENDANT MOUNTED FIXTURE
- RECESSED LIGHT FIXTURE
- SURFACE OR PENDANT LIGHT FIXTURE
- WALL MOUNTED FIXTURE
- FIXTURE ON EMERGENCY CIRCUIT
- STEP LIGHT
- EMERGENCY BATTERY LIGHT, TYPE X-1, EXCEPT AS NOTED
- WALL MOUTED SPOT/FLOOD LIGHT
- DIRECTIONAL LIGHT
- VANITY LIGHT, WALL MOUNT
- WALL SCONCE FIXTURE
- POLE TOP LIGHT FIXTURE/STREET LIGHT FIXTURE
- POLE LIGHT
- EXIT SIGN LIGHT FIXTURE TYPE X, EXCEPT AS NOTED
- EXIT SIGN AND EMERGENCY LIGHTING UNIT AT SAME LOCATION. MOUNT EMERGENCY LIGHTING UNIT DIRECTLY ABOVE EXIT SIGN. EXIT SIGN WITH EMERGENCY UNIT
- $ WALL SWITCH, 1-POLE (SWITCH LEG INDICATED WHERE REQUIRED)
- WALL SWITCH, 3-WAY
- DIGITAL SWITCH
- WALL SWITCH, KEYED OPERATED, TYPE AS INDICATED
- WALL SWITCH, 3-WAY, KEYED OPERATED, TYPE AS INDICATED
- WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR
- OS OCCUPANCY SENSOR
- OS OCCUPANCY SENSOR WALL MOUNT
- RP OCCUPANCY SENSOR RELAY PACK
- PC PHOTO CELL
- PC PHOTO CELL WALL MOUNT
- CTL LIGHTING/ PLUG LOAD CONTROLLER
- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE ABOVE COUNTER
- DOUBLE DUPLEX RECEPTACLE
- FIRE ALARM SPEAKER WITH ADA STROBE
- FIRE ALARM ADA STROBE WALL MOUNTED
- FIRE ALARM ADA STROBE
- F FIRE ALARM PULL STATION
- SPRINKLER CONNECTION

LEGEND

- DATA OUTLET WITH 1" CONDUIT TO ABOVE CEILING (NUMBER = NUMBER OF RJ45 JACKS, NO NUMBER = 1)
- WAP WIRELESS ACCESS POINT
- V VIDEO SURVEILLANCE OUTLET AT CAMERA
- REQ REQUEST TO EXIT
- CR CARD READER
- CR/J CARD READER, JAMB MOUNTED.
- DS DOOR SWITCH
- MS MOTION SENSOR
- MS MOTION SENSOR WALL MOUNT
- CCTV CAMERA
- S SECURITY SIREN
- K SECURITY KEYPAD
- EL ELECTRIC LOCK
- ML MAGNETIC LOCK
- AS AUDIO SENSOR
- CIRCUIT BREAKER
- TRANSFORMER
- GROUNDING PER CODES
- BUS TAP
- 208V OR 240V PANEL
- LVR
- 480V PANEL
- T TRANSFORMER
- GFI GROUND FAULT CIRCUIT INTERRUPTER
- IG ISOLATED GROUND
- WP WEATHERPROOF
- XXXX AVAILABLE FAULT CURRENT AS INDICATED
- 1 FLAG NOTE

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JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PAPER SIZE ARCH E1 (30" X 42")
1"
PROJECT # 2017000.00

PERMIT SET

ISSUE DATE JAN. 10, 2020

REVISION SCHEDULE

LEGEND

SHEET #
E1.00

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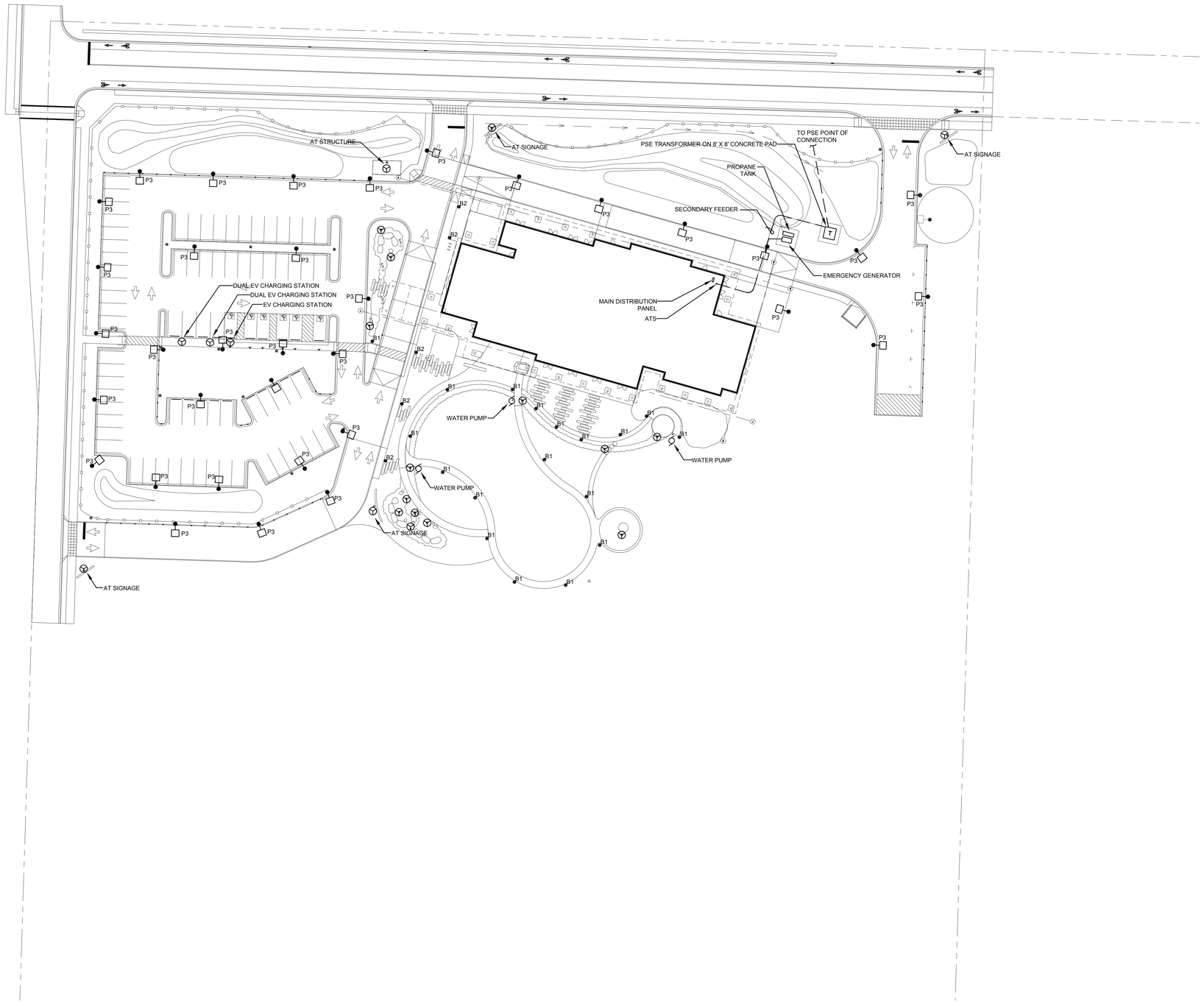

1 SITE PLAN - ELECTRICAL
SCALE: 1/32" = 1'-0"

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SITE PLAN - ELECTRICAL

SHEET #
E1.01

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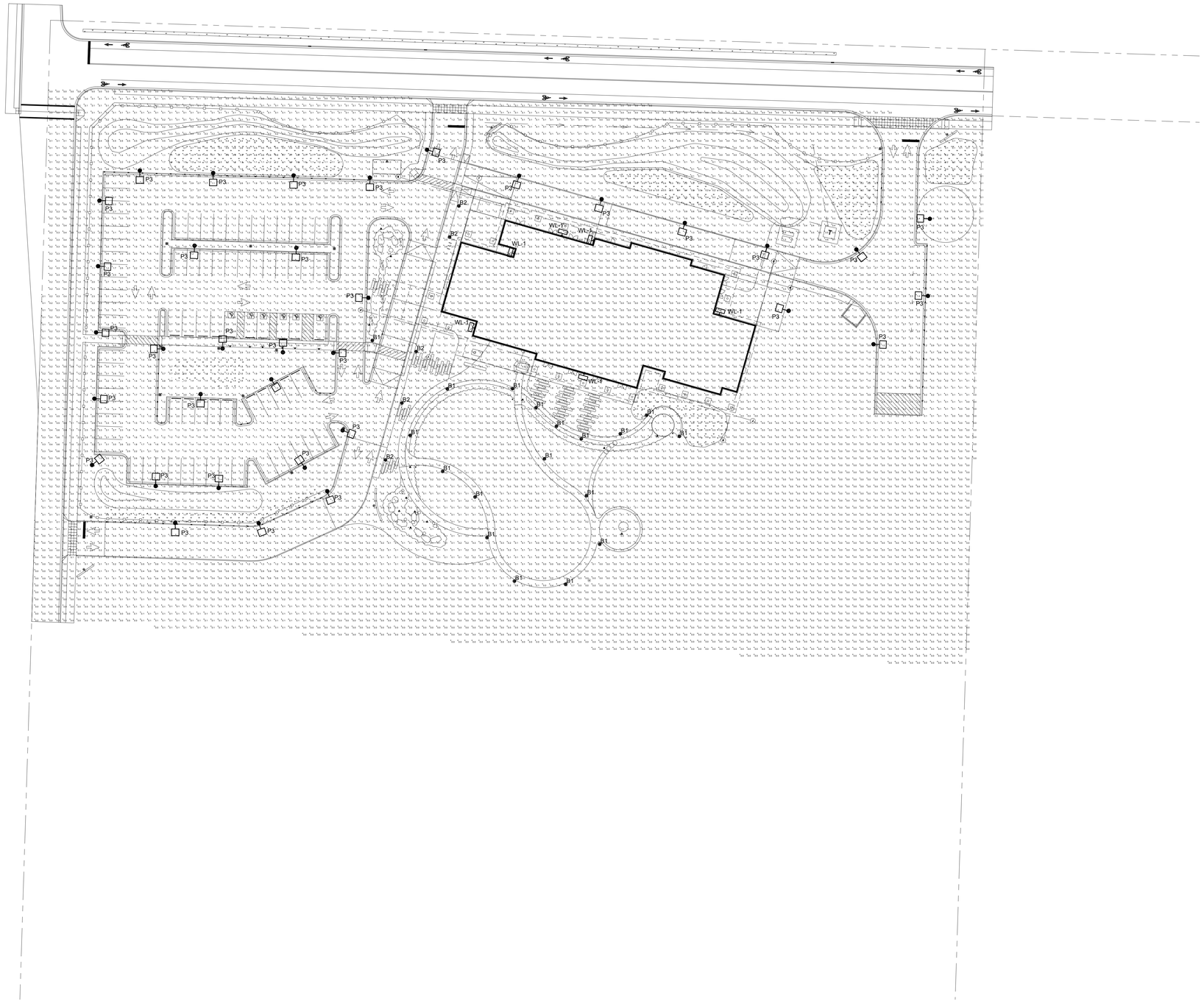
SHEET NOTES:

1. SEE LIGHT FIXTURE SCHEDULE FOR SITE POLE HEIGHT. SEE LANDSCAPE FOR SIGN TYPE.



1 SITE PLAN - PHOTOMETRIC STUDY
SCALE: 1/32" = 1'-0"

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SITE PLAN - PHOTOMETRIC STUDY

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E1.02

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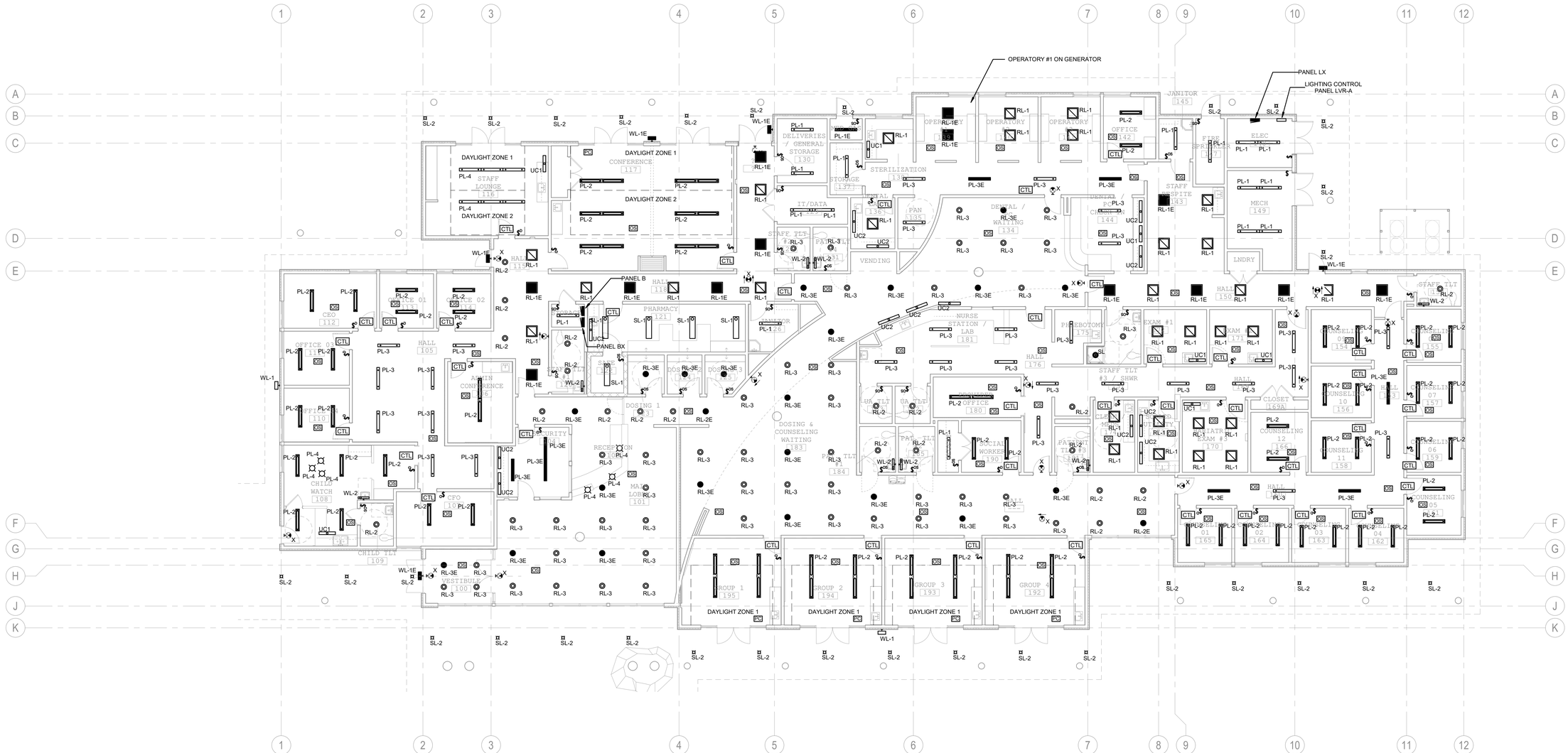

1 FLOOR PLAN - LIGHTING
1/8" = 1'-0"

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OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

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FLOOR PLAN - LIGHTING

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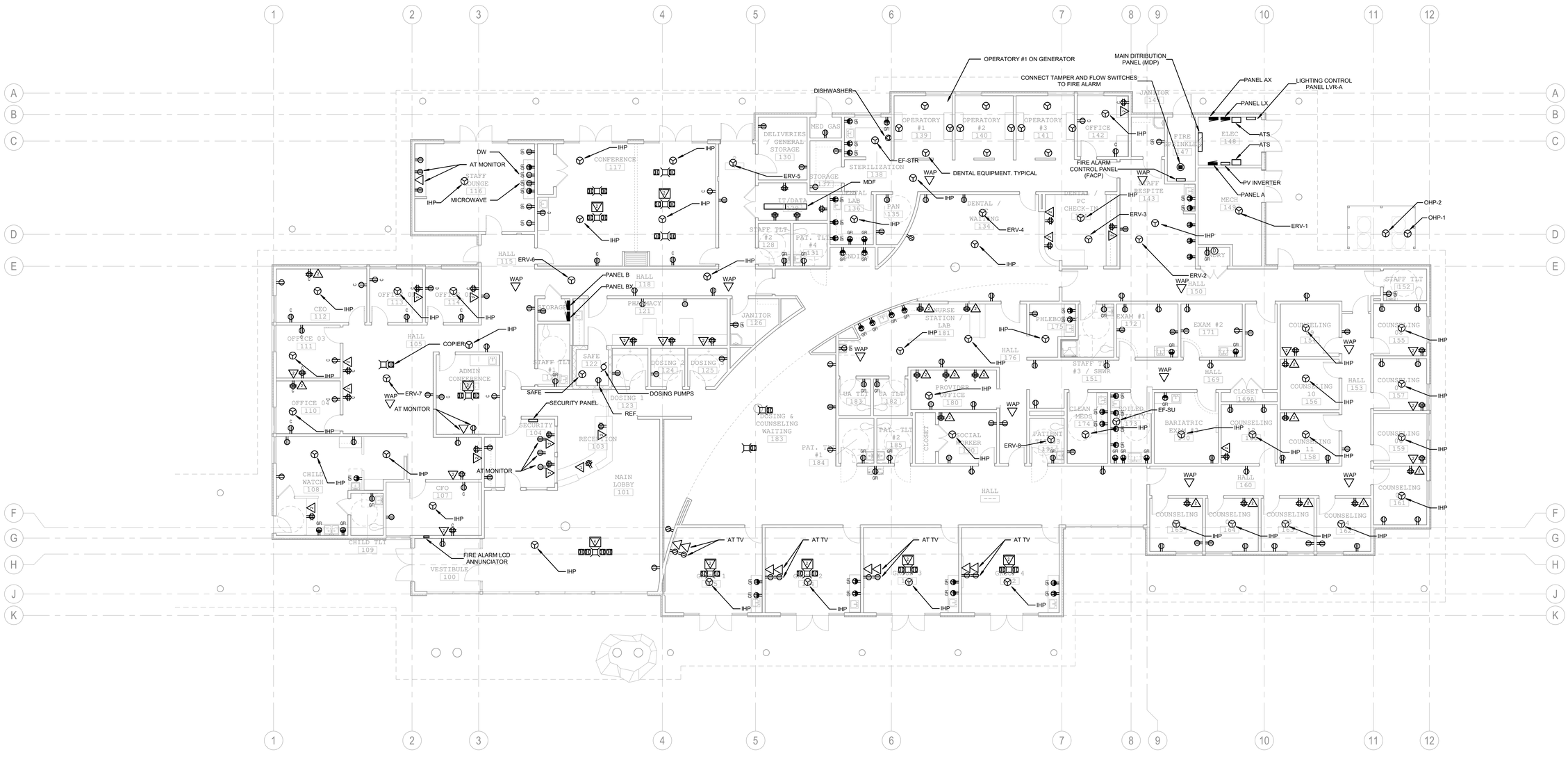

1 FLOOR PLAN - ELECTRICAL
1/8" = 1'-0"

JAMESTOWN S'KLALLAM TRIBE
OUTPATIENT CLINIC
526 S 9TH AVE
SEQUIM, WA 98382

PROJECT #	2018136.01
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ISSUE DATE	JAN. 10, 2020

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FLOOR PLAN - ELECTRICAL

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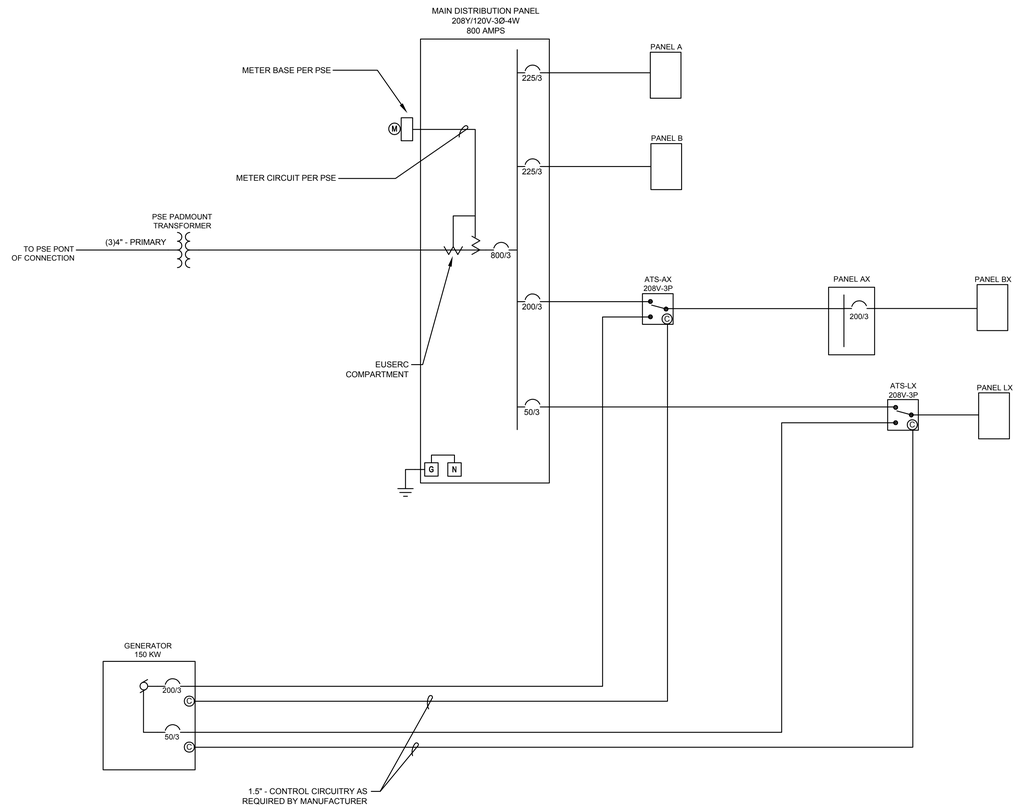
E3.01



1 **ONE LINE DIAGRAM**
NTS

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PAPER SIZE	ARCH E1 (30" X 42")
PROJECT #	2017000.00

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ISSUE DATE	JAN. 10, 2020

REVISION SCHEDULE

ELECTRICAL ONE LINE DIAGRAM

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E4.00

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LIGHTING FIXTURE SCHEDULE - OUTPATIENT CLINIC

TYPE	LAMP	LUMEN OUTPUT	CCT	VOLTAGE	MINIMUM CRI	CONTROL	MANUFACTURER	DESCRIPTION	LOCATION
B1	LED 6W	500 LUMENS	4000K	120 V	70 CRI	LED SWITCH	GARCO: PUREFORM PBL-42-14L-100-NW-G2-3-UNV	42" LED BOLLARD FIXTURE .IP66 RATED. TYPE 3 DISTRIBUTION. PROVIDE INTEGRAL MOTION SENSOR. PROVIDE OLDCASTLE BOLLARD BASE. FLUSH WITH LANDSCAPE	SITE
B2	LED 6W	500 LUMENS	4000K	120 V	70 CRI	LED SWITCH	GARCO: PUREFORM PBL-42-14L-100-NW-G2-5-UNV	42" LED BOLLARD FIXTURE .IP66 RATED. TYPE 5 DISTRIBUTION. PROVIDE INTEGRAL MOTION SENSOR. PROVIDE OLDCASTLE BOLLARD BASE. FLUSH WITH LANDSCAPE	SITE
P3	LED 47 W	8,500 LUMENS	4000K	120 V	70 CRI	LED SWITCH	GARDCO: PUREFORM COMFORT P26-140L-1675-NW-G2-3 . STERNBERG: SOLANA SL630 VISIONAIRE: PRE-2 KIM:OURO 2B-UR20	POLE MOUNTED FIXTURE WITH MOTION RESPONSE OCCUPANCY SENSOR AND TYPE 3 OPTIC. PROVIDE HEAY DIFFUSE, UNIFORMLY ILLUMINATED LENS. UL WET LABEL AND LOW TEMP DRIVER. MOUNT ON 6" ROUND, 15' FOOT TALL ALUMINUM POLE WITH HANDHOLE TO UTILITY VAULT 24R-8-LB POLE BASE. PROVIDE BASE COVER. IN PARKING AND ROAD EXPOSE 2' OF BASE. IN LANDSCAPE AREAS FLUSH WITH GRADE. 8500 LUMENS	SITE
PL-1	LED 40 W	5,600 LUMENS	3500K	120 V	80 CRI	LED SWITCH	COLUMBIA LCL435-ML-E LITHONIA ZL1N-L48 METALUX SNLED-LD4 DAYBRITE FSS	PENDANT MOUNTED LENSED LED STRIPLIGHT. MOUNT ON #10 CHAIN, 6" BELOW CEILING.	MECH, ELEC, IDF, MDF
PL-1E								SAME AS PL-2 BUT WITH CONNECTED TO EMERGENCY CIRCUIT	MED GAS
PL-2	LED 8W/FT	2,000 LUMENS PER FOOT	3500K	120 V	80 CRI	LED DIM 0-10V	CORELITE: JAYLUM J3-C-L-80L-8-35-1-X-277-STD FINELITE: S16	PENDANT MOUNTED DIRECT/INDIRECT LINEAR FIXTURE ON AIRCRAFT CABLE. PROVIDE DUST COVER AND INTEGRAL 0-10V DIMMING DRIVER. SEE PLANS FOR CONTINUOUS RUN LENGTHS.	SEE PLANS
PL 2E								SAME AS PL 2 BUT CONNECTED TO EMERGENCY CIRCUIT.	
PL-3	LED 8W/FT	3,650 LUMENS	3500K	120 V	80 CRI	LED DIM 0-10V	FINELITE: HP4 HP4-ID-S-V-835-TG-F-277 AXIS: BEAM 4 LED BBRLED-900-80-35-FL-4-277-DP-1 PINNACLE: EDGE E4 E4-A-CL835900-U-OL1-1 ALW: SUPERPLANE 4 SP4R/F-S4-HI-80-3500K-0/10V/S-CR/S-UNV	4" LINEAR LED DIRECT/INDIRECT PENDANT FIXTURE WITH DIFFUSE LENS AND BATWING UPLIGHT. EXTRUDED ALUMINUM HOUSING WITH DIE CAST ALUMINUM END CAPS. SEE PLANS FOR CONTINUOUS RUNS.	SEE PLANS
PL-3E								SAMES AS PL-3E BUT CONNECTED TO EMERGENCY CIRCUIT	
PL-4	LED 30W	3000 LUMENS	3500K	120 V	80 CRI	LED DIM 0-10V	SSL LIGHTING SSC6-18I-AC-UNV-35K-CR83-10L-40	6''X 18" CYLINDER PENDANT MOUNTED LIGHT FIXTURE WITH INTEGRAL DRIVER. 3500K. 85 CRI. 0-10V DIMMING.	
RL-1	LED 30W	3000 LUMENS	3500K	120 V	80 CRI	LED DIM 0-10V	COLUMBIA LIGHTING: LCAT LCAT22-35-HL-G-ED	2'X2' RECESSED ARCHITECTUAL TROFFER. PROVIDE 0-10V DIMMING	SEE PLANS
RL-1								SAME AS RL-1 BUT CONNECTED TO EMERGENCY CIRCUIT	
RL-2	LED 20 W	2,000 LUMENS	3500K	120 V	80 CRI	0-10V DIM	PRESCOLITE: LF4 LF4SL4LFSL-20L-35K EATON: PORTFOLIO LD4B LD4B-20-D010-EU4B-1020-80-35-4LB-W-0-H PHILIPS LIGHTOLIER: CALCULITE C4RDL C4R-N-C4L-C4L-20-8-35-W-Z10-U-C4-R-DL-CD GOTHAM:EVO EVO-35-20-4WR-WD-LD-277-GZ10	RECESSED 4" LED DOWNLIGHT WITH SEMI DIFFUSE REFLECTOR AND WIDE DISTRIBUTION.	SEE PLANS
RL-2E								SAME AS RL-2 BUT CONNECTED TO EMERGNECY CIRCUIT	
RL-3	LED 30 W	5,000 LUMENS	3500K	120 V	80 CRI	0-10V DIM	PRESCOLITE: LF8 LF8SL4LFSL-20L-35K EATON: PORTFOLIO LD8B LD8B-20-D010-EU4B-1020-80-35-4LB-W-0-H PHILIPS LIGHTOLIER: CALCULITE C8RDL C8R-N-C4L-C4L-20-8-35-W-Z10-U-C4-R-DL-CD GOTHAM:EVO EVO-35-20-8WR-WD-LD-277-GZ10	RECESSED 8" LED DOWNLIGHT WITH SEMI DIFFUSE REFLECTOR AND WIDE DISTRIBUTION.	SEE PLANS
RL-3E								SAME AS RL-3 BUT CONNECTED TO EMERGENCY CIRCUIT	SEE PLANS

LIGHTING FIXTURE SCHEDULE - OUTPATIENT CLINIC

TYPE	LAMP	LUMEN OUTPUT	CCT	VOLTAGE	MINIMUM CRI	CONTROL	MANUFACTURER	DESCRIPTION	LOCATION
SL-1	LED 40 W	6,000 LUMENS	3000K	120 V	80 CRI	LED DIM 0-10V	DAYBRITE: KLEENSEAL LED K1-14-60L-830	SURFACE MOUNTED 1'X4' WET LABEL LENSED TROFFER WITH INVERTED OPAL LENS.	PHARMACY
SL-2	LED 25 W	2,500 LUMENS	3000K	120 V	80 CRI	LED MOTION	LIGHTOLIER CALCULITE: C6 CYLINDER C6-S-DL-25-8-30-W-Z10-U-CD	6" SURFACE MOUNT LED CYLINDER WITH DIFFUSE REFLECTOR AND WIDE BEAM DISTRIBUTION. UL LISTED FOR WET LOCATIONS.	EXTERIOR CANOPY
WL-1	LED 47 W	6,000 LUMENS	4000K	120 V	80 CRI	LED MOTION	GARDO: PUREFORM PWS-48L-300-NW-G2-BLC-UNV-MMRI	WALL MOUNTED FIXTURE WITH TYPE 3 LIGHTING DISTRIBUTION AND HEAVY DIFFUSE COMFORT LENS. UL WET LABEL, -20F DRIVER. PROVIDE INTEGRAL MOTION SENSOR.	EXTERIOR
WL-1E								SAME AS WL-1 BUT CONNECTED TO EMERGENCY CIRCUIT	EXTERIOR
WL-2	LED 15W	2600 LUMENS	3500K	120 V	80 CRI	LED MOTION	VISA LIGHTING: ASTA CB6509-L35K-L-MVOULT WAC LIGHTING: VISTA	2' HORIZONTALLY WALL MOUNTED CYLINDRICAL VANITY LIGHT.	BATHROOM
UC1	LED 20 W		3500K	120 V	80 CRI	SWITCH	FAILSAFE: UCLV-4LD4-A12125 KENALL: AUCLED DAY-BRITE: LINCS NEWSTAR: MUS	UNDERCABINET 3' FIXTURE WITH DIFFUSER AND OCCUPANCY SENSOR. PROVIDE INTEGRAL DRIVER. DIMMABLE	UNDERCABINET
UC2	LED 30 W		3500K	120 V	80 CRI	SWITCH	FAILSAFE: UCLV KENALL: AUCLED DAY-BRITE: LINCS NEWSTAR: MUS	SAME AS UC BUT 4' LENGTH.	UNDERCABINET
X	LED 2.1 W			120 V			DUAL LITE: SE-G-I MCPHILBEN: ER55L CHLORIDE: CE-11300-55L3G SURE-LITES: CAX-7 BEGHELLI: FME	CEILING DIE CAST LED EXIT SIGN WITH BATTERIES WITH SELF DIAGNOSTICS, BATTERY BACKUP AND ALL MOUNTING ACCESSORIES. PROVIDE ARROWS AND FACES AS SHOWN ON DRAWINGS. PROVIDE WHITE BODY WITH GREEN LETTERS AND UNIFORM LENS OVER LED.	SEE PLANS

ALL COLORS, FINISHES, ETC ARE BY ARCHITECT.
MOUNTING HEIGHTS PER ARCHITECTURAL ELEVATIONS.

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