

**GENERAL NOTES**

- ALL WORK SHALL BE IN CONFORMANCE WITH APPLICABLE CODES AND LOCAL BUILDING REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE 2015 EDITION OF THE IBC AND THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE.
- ALL APPLICABLE CODES, ORDINANCES AND MINIMUM STRUCTURAL REQUIREMENTS TAKE PRECEDENCE OVER DRAWINGS AND NOTES.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS BEFORE COMMENCING WITH WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT PRIOR TO STARTING ANY CONSTRUCTION OF THE AREA CONCERNED. DO NOT SCALE DRAWINGS.
- DIMENSIONS ARE TO FACE OF CMU, CONCRETE, CLT OR FACE OF STUD, U.N.O.
- PARTITIONS AND WALLS NOT OTHERWISE DIMENSIONED SHALL BE LOCATED FLUSH WITH REFERENCE TO ADJACENT WALL FACE.
- WHERE ON ANY OF THE DRAWINGS OR DETAILS, A PORTION OF THE WORK IS SHOWN AND/OR DETAILED, AND THE REMAINDER IS INDICATED IN OUTLINE, THE PARTS SHOWN AND/OR DETAILED SHALL APPLY TO ALL OTHER LIKE PORTIONS OF THE WORK.
- PRIOR TO AND DURING THE WORK, CONTRACTOR SHALL VERIFY CONDITIONS; ANY CONDITIONS INCONSISTENT OR PROBLEMATIC WITH REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT PRIOR TO STARTING OR CONTINUING WORK IN THE AREA CONCERNED.
- PROVIDE SUFFICIENT STRUCTURE IN WALLS FOR SUPPORTING COUNTERS, CABINETS ACCESSORIES, ETC., AS REQUIRED.
- COORDINATE AND PROVIDE REQUIRED PENETRATIONS (AND PATCHING OF EXISTING TO MATCH) WITH INDIVIDUAL SUBCONTRACTORS TO SUIT NEW WORK.
- VERTICAL DIMENSIONS ARE TYPICALLY REFERENCED FROM (E) STRUCTURAL SLAB U.N.O.
- CONTRACTOR TO ASSUME ALL MATERIALS AS NEW UNLESS NOTED AS "EXISTING".
- ALL WOOD IN CONTACT WITH CONCRETE TO BE P.T.
- FLASH OPENINGS WITH MIN. 26 GA. GALV. STL. TO ACCEPTABLE INDUSTRY STANDARDS. ALL FLASHING LAP SEAMS TO BE 12" MIN. W/ 2 BEADS OF SEALANT.
- GLASS WITHIN 18" OF FLOOR AND ADJACENT TO DOORS AND AT HAZARDOUS LOCATIONS SHALL COMPLY WITH IBC IMPACT LOAD REQUIREMENTS, SECTION 5406, AND STANDARD 54-1
- CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES THROUGHOUT SITE PRIOR TO EXCAVATION.
- WOOD PRESERVATIVE ON ALL WOOD SURFACES

**CODE COMPLIANCE**

- 2015 INTERNATIONAL BUILDING CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE
- 2015 WASHINGTON STATE ENERGY CODE
- 2015 UNIFORM PLUMBING CODE
- 2014 NATIONAL ELECTRICAL CODE

**CODE SUMMARY**

OCCUPANCY CLASSIFICATION:  
UTILITY AND MISCELLANEOUS - GROUP U  
TYP.E OF CONSTRUCTION:  
TYP.E V-B - NON-SPRINKLERED  
CLIMATE ZONE:  
4C - (MARINE)

**BUILDING PERMIT**

**PROPERTY NOTES**

PROPERTY ADDRESS:  
9703 JUANITA DR. N.E.  
KIRKLAND, WA 98034

**PROPERTY OWNER**

PROPERTY OWNER:  
CITY OF KIRKLAND PARKS AND COMMUNITY SERVICES

CONTACT/ PROJECT COORDINATOR:  
ANNEKE DAVIS  
123 5TH AVE  
KIRKLAND, WA 98033  
T: 425-587-3828

**SCOPE OF WORK**

CONSTRUCTION OF A REPLACEMENT BATHHOUSE AND PICNIC PAVILION AND ASSOCIATED GRADING AND HARDSCAPE. PROJECT ALSO INCLUDES RELOCATION OF AN EXISTING PLAY AREA AND PLANTINGS.

**PROJECT TEAM**

ARCHITECT/CONTACT: PATANO STUDIO ARCHITECTURE, LLC  
ERIK BARR, AIA  
603 STEWART ST. SUITE #500  
SEATTLE, WA 98101  
T: 206-734-3870

CIVIL: MIG / SvR  
LOLLY KUNKLER  
615 SECOND AVENUE, #280  
SEATTLE, WA 98104  
T: 206-223-0326

LANDSCAPE: MIG / SvR  
BRICE MARYMAN  
615 SECOND AVENUE, #280  
SEATTLE, WA 98104  
T: 206-223-0326

STRUCTURAL: QUANTUM CONSULTING ENGINEERS, LLC  
JACK WIGGINS  
1511 3RD AVE. #323  
SEATTLE, WA 98101  
T: 206-957-3900

MECHANICAL & PLUMBING: RAINBOW CONSULTING  
STEVEN RAINBOW  
336 NW 50TH STREET  
SEATTLE, WA 98107  
T: 206-235-6002

ELECTRICAL: COFFMAN ENGINEERS  
BRIAN ROSSI  
1601 5TH AVE. #900  
SEATTLE, WA 98101  
T: 206-623-0717

ENVIRONMENTAL/ SHORELINE: SHANNON & WILSON  
AMY SUMME  
400 NORTH 34TH STREET  
SUITE 100  
SEATTLE, WA 98103  
T: 206-632-8020

**SHEET LIST**

**GENERAL**

A0.00 TITLE SHEET

**CIVIL & LANDSCAPE**

- G0.0 CIVIL AND LANDSCAPE NOTES 1
- G0.1 CIVIL AND LANDSCAPE NOTES 2
- C1.0 ESC / DEMOLITION PLAN
- C2.0 UTILITY AND DRAINAGE PLAN
- C3.0 PAVING AND GRADING PLAN
- L4.0 LANDSCAPE PLANT SCHEDULE
- L4.1 SOIL AND LANDSCAPE PLAN
- D1.0 AGENCY STD DETAILS
- D1.1 AGENCY STD DETAILS
- D2.0 PAVING AND DRAINAGE DETAILS
- D2.1 PAVING AND DRAINAGE DETAILS

**ARCHITECTURAL**

- AD1.0 SITE DEMOLITION PLAN
- A1.0 SITE PLAN
- A2.0 OVERALL FLOOR PLAN
- A2.1 ENLARGED FLOOR PLAN
- A2.2 ENLARGED FLOOR PLAN
- A2.3 ROOF PLAN
- A2.5 PAVILION FLOOR PLAN
- A2.6 PAVILION ROOF PLAN
- A3.0 ELEVATIONS
- A3.1 ELEVATIONS
- A3.5 PAVILION ELEVATIONS
- A4.0 OVERALL SECTION
- A4.1 SECTION
- A4.2 SECTION
- A4.5 PAVILION SECTION
- A4.6 PAVILION SECTION
- A5.0 WALL SECTIONS

**STRUCTURAL**

- S2.0 FOUNDATION PLAN
- S2.1 FOUNDATION PLAN
- S2.2 ROOF FRAMING PLAN
- S2.3 ROOF FRAMING PLAN
- S2.4 FOUNDATION PLAN - PAVILION
- S2.5 ROOF FRAMING PLAN - PAVILION
- S3.0 DETAILS
- S3.1 DETAILS
- S3.2 DETAILS
- S4.2 DETAILS

**MECHANICAL**

- M0.1 CODE COMPLIANCE NOTES
- M0.2 LEGEND, ABBREVIATIONS
- M0.3 MECHANICAL SCHEDULES
- M1.1 MECHANICAL FLOOR PLAN
- M2.1 MECHANICAL DETAILS

**PLUMBING**

- P0.1 LEGEND, ABBREVIATIONS, NOTES
- P0.2 PLUMBING SCHEDULES
- P1.0 PLUMBING FOUNDATION PLAN
- P1.1 WASTE & VENT NORTH PLAN
- P1.2 WASTE & VENT SOUTH PLAN
- P1.3 DOMESTIC WATER NORTH PLAN
- P1.4 DOMESTIC WATER SOUTH PLAN
- P1.5 PLUMBING ROOF PLAN
- P2.1 PLUMBING DETAILS
- P2.2 PLUMBING DETAILS

**ELECTRICAL**

- E0.1 COVER SHEET
- E0.2 GENERAL NOTES
- E0.3 LUMINAIRE SCHEDULE
- E1.1 SITE PLAN - DEMO
- E1.2 SITE PLAN - NEW
- E2.1 BATHHOUSE LIGHTING PLAN
- E3.1 BATHHOUSE POWER & SYSTEMS
- E4.1 PAVILION LIGHTING & POWER
- E5.1 ONE-LINE DIAGRAM
- E6.1 PANEL SCHEDULE

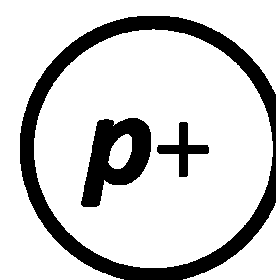
**SYMBOLS**

	NEW WALL		WALL TYP.E		BUILDING SECTION
	PLYWOOD		DOOR TAG		DETAIL #
	CONCRETE				SHEET #
	SOLID WOOD BLOCKING				
	WOOD FRAMING				
	ABOVE, BELOW OR HIDDEN				
	ROOM NAME & NUMBER				
	BATT INSULATION				
	CMU				

**30% Submittal**

**ABBREVIATIONS LIST (ABBREV. NOT LIMITED TO THIS LIST)**

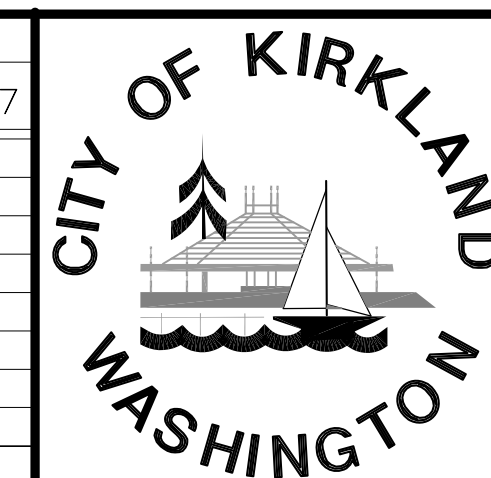
A.B. ANCHOR BOLT	CLR. CLEAR	(E) OR EXIST.	EXISTING	GA. GAUGE	MAX. MAXIMUM	PLYWD. PLYWOOD	SCHED. SCHEDULE	U.N.O. UNLESS NOTED OTHERWISE
ABV. ABOVE	CNTR. CENTER	E.V. EACH WAY		GALV. GALVANIZED	MECH. MECHANICAL	PL. PLASTIC LAMINATE	ELECTRICAL: ELECTRICAL	V. VERTICAL
ADJ. ADJUSTABLE/ADJACENT	CONST. CONSTRUCTION	EA. EACH		GCMU GLASSED CONCRETE MASONRY UNIT	MFR. MANUFACTURED	P.LAM PAINTED	S.D. SMOKE DETECTOR	VFY. VERIFY
A.F.F. ABOVE FINISH FLOOR	CONT. CONTINUOUS	ELEC. ELECTRICAL		GL GLASS	MIN. MINIMUM	PNTD. PAINTED	S.S. STAINLESS STL.	V.I.F. VERIFY IN FIELD
	CTR. CENTER	EQ. EQUAL		G.W.B. GYPSUM WALL BOARD	MISC. MISCELLANEOUS	P.T. PRESSURE TREATED	SIM. SIMILAR	
BLDG. BUILDING	D. DRAIN	EXP. EXPANSION/EXPOSED			MAT'L MATERIAL	R. RADIUS	SPEC. SPECIFICATION	WD. WOOD
BLK'G BLOCKING	DIA. DIAMETER	EXT. EXTERIOR		HB. HOSE BIB	MTL. METAL	RCP. REFLECTED CEILING PLAN	SQ. SQUARE	W/ WITH
BOT. BOTTOM	DR. DOOR	FD. FLOOR DRAIN		HR. HOUR	M.O. MASONRY OPENING	REQD. REQUIRED	STD. STANDARD	W/I WITHIN
BTWN. BETWEEN	DWG. DRAWING	F.M.C. FLOOR MATERIAL CHANGE		HT. HEIGHT	MOD. BT. MODIFIED BITUMEN	R.O. ROUGH OPENING	STL. STL.	W/O WITHOUT
BYD. BEYOND	DWGS. DRAWINGS	FOIC. FURNISHED BY OWNER, INSTALLED BY CONTRACTOR		H.M. HOLLOW METAL			STRUCT. STRUCTURAL	W.C. WATER CLOSET
	D.S. DOWNSPOUT	FOIO. FURNISHED BY OWNER, INSTALLED BY OWNER		H.W. HOT WATER	N.T.S. NOT TO SCALE		T.O. TOP OF	W.GL. WIRE GLASS
CL. CENTERLINE	DTL. DETAIL	F.O.C. FACE OF CONCRETE		HDR. HEADER	N.I.C. NOT IN CONTRACT		T.O.C. TOP OF CONCRETE	W.M. WIRE MESH
CLG. CEILING	DM. DIMENSION	F.O.M. FACE OF MASONRY		HDR. HARDWARE	NO. OR # NUMBER		T.O.M. TOP OF MASONRY	W.P. WATERPROOF
CONC. CONCRETE	DN. DOWN	F.O.S. FACE OF STUD		I.D. INSIDE DIAMETER	O.C. ON CENTER		T.O.S. TOP OF SLAB	W.W.M. WELDED WIRE MESH
C.I. CAST IRON	DWR. DRAWER	FLR. FLOOR		INSUL. INSULATION	O.D. OUTSIDE DIAMETER		T.O.S.F. TOP OF SUBFLOOR	WGWB. GYPSUM WALL BOARD
C. CENTER LINE				INT. INTERIOR	OPP. OPPOSITE		TYP. TYPICAL	
C.O. CLEAN OUT				JT. JOINT	O/ OVER			
C.W. COLD WATER								
CAB. CABINET								



PATANO STUDIO ARCHITECTURE  
603 STEWART ST. SUITE 500  
SEATTLE, WA 98101

PRELIMINARY  
NOT FOR  
CONSTRUCTION

FILE	ENGR.	REVIEW	SCALE	DATE
				4/20/2017
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND  
PUBLIC WORKS DEPARTMENT  
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243  
CPK 0119 100  
JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
TITLE SHEET

SHEET

A0.0

30% SUBMITTAL 04.20.2017

**GENERAL NOTES**

- UNLESS OTHERWISE INDICATED, ALL WORK SHALL CONFORM TO THE 2016 WASHINGTON STATE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AND THE STANDARD PLANS AND THE CITY OF KIRKLAND STANDARD PLANS. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
- A COPY OF THE APPROVED PLANS MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- NOT USED
- PAVED SURFACES INCLUDING ROADWAYS, SIDEWALKS, AND CURBS THAT ARE DAMAGED BY NEW CONSTRUCTION IN PUBLIC RIGHT-OF-WAY SHALL BE REPAIRED AS REQUIRED BY THE CITY OF KIRKLAND INSPECTOR.
- THE CONTRACTOR SHALL NOTIFY THE FIRE DEPARTMENT DISPATCHER TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUTOFFS, AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR SHALL ALSO NOTIFY THE DISPATCHER OF ALL NEW, RELOCATED, OR ELIMINATED HYDRANTS RESULTING FROM THIS WORK.
- ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. 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 THIS PLAN.
- THE CONTRACTOR SHALL LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION AND SHALL CONTACT THE UNDERGROUND UTILITIES LOCATOR SERVICE (1-800-424-5555) AT LEAST 72 HOURS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL EXISTING MAINTENANCE HOLE RIMS, DRAINAGE STRUCTURE LIDS, VALVE BOXES, AND UTILITY ACCESS STRUCTURES TO FINISH GRADE WITHIN AREAS AFFECTED BY THE IMPROVEMENTS.
- UTILITY SERVICE CONNECTIONS ARE TO BE PRIVATELY MAINTAINED.
- NOT USED
- NOT USED
- NOT USED
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL MANUAL. A CITY OF KIRKLAND APPROVED TRAFFIC CONTROL PLAN WILL BE REQUIRED PRIOR TO ISSUANCE OF PERMIT.
- CARE SHALL BE EXERCISED WHEN EXCAVATING NEAR ANY EXISTING UTILITY LINES AND/OR WITHIN TREE CRITICAL ROOT ZONES.
- THE CONTRACTOR SHALL SUBMIT CONSTRUCTION HAUL ROUTES TO CITY OF KIRKLAND. PRIOR TO CONSTRUCTION.

**ESC NOTES**

- CONSTRUCTION EROSION CONTROL MEASURES MUST BE IN PLACE AND APPROVED BY CITY OF KIRKLAND. INSPECTOR PRIOR TO ANY EARTH DISTURBANCE.
- CONTRACTOR SHALL PREPARE AND SUBMIT FOR PERMITTING AGENCY'S APPROVAL A STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP SHALL BE PREPARED IN ACCORDANCE WITH WASHINGTON STATE'S DEPARTMENT OF ECOLOGY WATER POLLUTION CONTROL LAW. THE REQUIREMENTS FOR THE SWPPP ARE AS OUTLINED IN ECOLOGY'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND STATE WASTE DISCHARGE GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- THE IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL (ESC) PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THE ESC FACILITIES IN COORDINATION WITH THE CONTRACTOR PREPARED AND AHJ APPROVED CSECP IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND SITE IS PERMANENTLY STABILIZED.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE PUBLIC DRAINAGE SYSTEM. AS CONSTRUCTION PROGRESSES AND UNEXPECTED (SEASONAL) CONDITIONS DICTATE, MORE SILTATION CONTROL FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL OF THE PROJECT. THEREFORE, 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 HIS/HER ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES THAT MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES.
- THE ESC FACILITIES SHOWN ON THE PLANS AND AHJ APPROVED SWPPP MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL DEMOLITION, CLEARING, AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE, ENTER THE DRAINAGE SYSTEM, OR VIOLATE APPLICABLE WATER STANDARDS.
- DURING THE CONSTRUCTION PERIOD, THE ESC FACILITIES SHALL BE MAINTAINED AND UPGRADED (E.G. ADDITIONAL SUMPS, RELOCATION OF DITCHES, PORTABLE TANKS AND SILT FENCES, ETC.) IN COORDINATION WITH THE CONTRACTOR PREPARED SWPPP AS NEEDED SO AS NOT TO VIOLATE APPLICABLE WATER STANDARDS.
- STABILIZED CONSTRUCTION ENTRANCES AND WASH PADS AT ALL CONSTRUCTION SITE EXITS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES AT CONTRACTOR'S EXPENSE MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- NO SEDIMENT SHALL BE TRACKED INTO THE STREET OR ONTO PAVED SURFACES. SEDIMENT SHALL BE REMOVED FROM TRUCKS AND EQUIPMENT PRIOR TO LEAVING THE SITE. IN THE EVENT OF FAILURE OF THE EROSION CONTROL SYSTEM RESULTING IN SEDIMENT BEING TRACKED ONTO PAVED SURFACES, THE CONTRACTOR SHALL IMMEDIATELY IMPLEMENT MEASURES TO CORRECT THE SITUATION, AND VACUUM STREET SWEEPING SHALL BE EMPLOYED ON AN EMERGENCY BASIS. IF VACUUM STREET SWEEPING VEHICLES ARE UTILIZED, THEY SHALL BE OF THE TYPE THAT ACTUALLY REMOVES THE SEDIMENT FROM THE PAVEMENT. WASHING OF THE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR AHJ APPROVAL.
- ALL ESC FACILITIES SHALL CONFORM TO THE BEST MANAGEMENT PRACTICES LISTED IN KING COUNTY SURFACE WATER DESIGN MANUAL 2016.
- NO EXPOSED EARTH SHALL REMAIN UNSTABILIZED FOR MORE THAN 7 DAYS FROM MAY 1ST TO SEPTEMBER 30TH. FROM OCTOBER 1ST TO APRIL 30TH NO EXPOSED EARTH SHALL REMAIN UNSTABILIZED FOR MORE THAN 2 DAYS. STABILIZATION OF EXPOSED EARTH SHALL BE WITH APPROVED ESC METHODS (I.E. SEEDING, MULCHING, NETTING, EROSION BLANKETS, COVERING, ETC.) IN COORDINATION WITH THE CONTRACTOR PREPARED SWPPP.
- NO SEDIMENT SHALL BE ALLOWED TO ENTER ANY CATCH BASIN WITHIN THE SITE, OR ADJACENT PROPERTIES. IN THE EVENT OF A FAILURE OF THE ESC PLAN THAT RESULTS IN SEDIMENT ENTERING A CATCH BASIN, THE CONTRACTOR SHALL REMOVE ALL SUCH SEDIMENT IMMEDIATELY.
- DISTURBED SOILS THAT ARE EXPOSED TO SURFACE RUNOFF SHALL BE STABILIZED WITH ESC MEASURES AS DIRECTED BY CITY OF KIRKLAND INSPECTOR.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- CATCH BASINS IN THE STREET SHALL BE INSPECTED BY THE CONTRACTOR DAILY. WATER LEAVING THE SITE DURING CONSTRUCTION, INCLUDING WATER CARRIED BY TRUCKS, SHALL BE CLEAN. THE CONTRACTOR SHALL CLEAN CITY CATCH BASINS AND IMPLEMENT EXTRA SEDIMENTATION CONTROL MEASURES IF NECESSARY AND AS DIRECTED BY THE AHJ INSPECTOR AT NO ADDITIONAL EXPENSE TO OWNER.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED DAILY AND WITHIN 24 HOURS FOLLOWING A STORM EVENT.
- THE ESC FACILITIES SHALL BE MAINTAINED UNTIL PERMANENT EROSION CONTROL (REVEGETATION WITH TREES, SHRUBS, GROUND COVER, ETC.) IS IN PLACE. STREET IMPROVEMENT PLANS, INCLUDING PERMANENT EROSION CONTROL IN THE PUBLIC RIGHT OF WAY, WILL BE PERMITTED SEPARATELY. CONTRACTOR SHALL COORDINATE RIGHT OF WAY AND PRIVATE CONSTRUCTION AND MAKE SURE TEMPORARY EROSION CONTROL FACILITIES ARE MAINTAINED.
- DESIGN, PREPARE AND OBTAIN PERMITS FOR TEMPORARY DEWATERING. TREAT AND DISPOSE OF WATER FOR TEMPORARY DEWATERING IN ACCORDANCE WITH AHJ REQUIREMENTS.
- PROTECT STOCKPILES FROM WET WEATHER AND CONTAMINATION FROM OTHER SOURCES. PROVIDE DUST CONTROL MEASURES AND STOCKPILE PROTECTION IN ACCORDANCE WITH AHJ APPROVED SWPPP. STOCKPILES THAT BECOME UNSUITABLE DUE TO LACK OF PROTECTION MEASURES SHALL BE PROPERLY DISPOSED OF AND REPLACED AT CONTRACTOR'S EXPENSE.
- COORDINATE LOCATION OF SEDIMENT PONDS, TRAPS, PORTABLE FILTRATION TREATMENT SYSTEMS, INTERCEPTOR SWALES, AND OTHER ESC MEASURES WITH IMPROVEMENTS AND CONTRACTOR'S OPERATIONS AND SEQUENCING. COORDINATE OUTLET DRAINS FROM SEDIMENT PONDS AND PORTABLE FILTRATION TREATMENT SYSTEMS WITH EXISTING AND NEW IMPROVEMENTS.
- WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS USED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE. SEE SPECIFICATIONS FOR SEED MIX AND RATE OF APPLICATION.
- WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS USED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF TWO INCHES.
- INSTALL FLOW DIVERSION AND INTERCEPTOR SWALES AND/OR BERMS AND TEMPORARY CULVERTS IN ORDER TO PREVENT SHEET FLOW ONTO POROUS SIDEWALK AND BIORETENTION FACILITIES. IT IS ASSUMED THAT THE AREA SHEET FLOWING TO INTERCEPTOR SWALE IS STABILIZED AND NOT TURBID. IF STORMWATER IS TURBID, EXCEEDING WATER QUALITY REQUIREMENTS, WATER SHALL BE DIRECTED TO SEDIMENT PONDS AND/OR PORTABLE FILTRATION TREATMENT SYSTEM AND TREATED PER AHJ REQUIREMENTS.
- THE ESC MEASURES SHOWN ON THE PLANS ARE FOR AHJ PERMITTING PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS AND METHODS AND SEQUENCING OF ESC MEASURES AND ENSURING WATER QUALITY REQUIREMENTS ARE MET.

**PRE-CONSTRUCTION MEETING**

PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF KIRKLAND. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE OWNER'S PROFESSIONAL ENGINEERING CONSULTANTS OF THE PRE-CONSTRUCTION MEETING TIME AND LOCATION. IF A PRE-CONSTRUCTION MEETING IS NOT REQUIRED, A FIRST GROUND DISTURBANCE MEETING IS REQUIRED PRIOR TO ANY CONSTRUCTION ACTIVITY.

**BASEMAP NOTES**

THE BASEMAP FOR THIS DRAWING SET COMBINES A SITE SURVEY DATED 11/14/2008 BY PACIFIC GEOMATIC SERVICES, AS-BUILT DRAWINGS FOR SUBSEQUENT IMPROVEMENTS COMPLETED IN 2009, AND FIELD OBSERVATION OF EXISTING CONDITIONS PROVIDED BY THE CITY OF KIRKLAND AND PATANO STUDIO ARCHITECTURE. SEE INFORMATION ABOUT THE 2008 SURVEY'S CONTROL POINTS BELOW.

**HORIZONTAL AND VERTICAL CONTROL NOTES\***

\*PROVIDED BY PACIFIC GEOMATIC SERVICES

**DATUM:** HORIZONTAL: NAD 83(91), WASHINGTON STATE PLANE, NORTH ZONE  
VERTICAL: NAVD 88, CITY OF KIRKLAND SURVEY CONTROL POINT  
S1:77.821 FEET.

**CIVIL AND LANDSCAPE SHEET INDEX**

SHEET NO.	DESCRIPTION
G0.0	CIVIL AND LANDSCAPE NOTES 1
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D2.1	PAVING AND DRAINAGE DETAILS
D3.0	LANDSCAPE DETAILS

**PLEASE CALL 811  
3 Working Days  
BEFORE YOU DIG**

**CITY OF KIRKLAND**  
PUBLIC WORKS DEPARTMENT  
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243

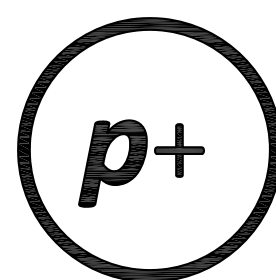
CPK 0119 100  
**JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT**  
CIVIL AND LANDSCAPE NOTES 1

SHEET

G0.0

30% SUBMITTAL 04.20.2017

Plotted: 04/19/2015 10:41:29am By: jwh/kyg  
 File: C:\151\16036-080\Current\JBB\_01025.dwg Layout: 000



**PATANO STUDIO ARCHITECTURE**  
603 STEWART ST. SUITE 500  
SEATTLE, WA 98101



615 SECOND AVE. SUITE 280  
SEATTLE, WA 98104  
T 206.223.0826  
F 206.223.0123  
www.svrdesign.com

FILE	ENGR.	REVIEW	SCALE	DATE
JBB_NOTES	LK	MRS	AS SHOWN	04/19/2015
NO.	REVISION	BY	REVIEW	DATE



**EARTHWORK AND GRADING NOTES**

- NONCOMPLIANCE WITH EROSION CONTROL REQUIREMENTS, WATER QUALITY REQUIREMENTS, AND CLEARING LIMITS MAY RESULT IN REVOCATION OF PROJECT PERMITS, PLAN APPROVAL, AND BOND FORECLOSURES.
- PRIOR TO ANY WORK INCLUDING GROUND DISTURBANCE, THE CONTRACTOR SHALL CONTACT PUBLIC AUTHORITY HAVING JURISDICTION (PERMITTING AGENCY) (AHJ) TO SCHEDULE A PRE-CONSTRUCTION MEETING.
- PRIOR TO ANY SITE CONSTRUCTION (WHICH INCLUDES CLEARING/LOGGING, DEMOLITION, OR GRADING THE SITE), CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE CONTRACTOR'S SURVEYOR.
- ALL EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH AHJ STANDARDS.
- ALL STRUCTURAL FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY BY MODIFIED PROCTOR TEST UNLESS SPECIFICALLY INDICATED OTHERWISE IN THE SPECIFICATIONS.
- APPROVAL BY AHJ OF THE DRAINAGE AND TEMPORARY EROSION CONTROL PLANS DOES NOT INCLUDE APPROVAL OF THE GRADING ACTIVITIES SHOWN HEREIN. GRADING ACTIVITIES ON ADJACENT PROPERTIES REQUIRES WRITTEN APPROVAL BY THE ADJACENT PROPERTY OWNER.
- GRADING AND EXPOSED SOILS MUST BE STABILIZED BY OCTOBER 15TH AND NO EXCAVATION TO BE PERFORMED BETWEEN OCTOBER 31ST AND APRIL 1ST UNLESS CONTRACTOR HAS OBTAINED WRITTEN APPROVAL BY AHJ.
- MATCH EXISTING GRADES AT EDGE CONDITIONS AND PROVIDE SMOOTH TRANSITION.
- SLOPE FINISHED SURFACE A MINIMUM OF 2% AWAY FROM THE BUILDING FOR AT LEAST TWO FEET ON ALL SIDES OF THE BUILDING UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PERFORM ALL WORK WITHIN THE TREE PROTECTION ZONE/CRITICAL ROOT ZONE IN ACCORDANCE WITH SPECIFICATIONS.
- BOTTOM OF WALL REFERS TO THE FINISH SURFACE GRADE AT THE BASE OF THE WALL. CONTRACTOR TO SEE STRUCTURAL PLANS FOR ADDITIONAL DEPTH REQUIREMENTS FOR FOOTING/SUBBASE AND TO PROVIDE ADEQUATE COVER OVER FOUNDATION.
- COORDINATE FINE GRADING FOR SURFACE DRAINAGE WITH LANDSCAPE INSTALLATION. FINE GRADING FOR SURFACE DRAINAGE SHALL OCCUR PRIOR TO PLANTING AND MULCHING. GRADE TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AT BOTH SUBGRADE AND FINISH GRADE.
- UNLESS INDICATED OTHERWISE, THE EARTHWORK OPERATION SHALL AMEND SOILS FOR ALL DISTURBED AREAS THAT ARE NOT PAVED PER KCC 16.82.100.
- FINISHED GRADING, FINE GRADE BEDS TO CONTOUR LINES AND GRADES SHOWN ON DRAWINGS, 1/4" BELOW THE LEVEL OF ADJACENT WALLS, WALKS AND CURBS UNLESS NOTED OTHERWISE. ALLOW ROOM IN PLANT BEDS FOR MULCH AND OTHER LANDSCAPE MATERIALS - COORDINATE WITH LANDSCAPING PLANS. FINE GRADE SOIL TO MAKE SMOOTH AND EVEN FINISH GRADE AND REMOVE ALL EXTRANEIOUS MATTER.

**WATER SERVICE NOTES**

- ALL MATERIALS FOR WATER DISTRIBUTION SHALL BE NEW.
- APPLY FOR AND PAY ALL FEES ASSOCIATED WITH OBTAINING NEW WATER SERVICES. COORDINATE WITH AHJ.
- ALL INSPECTIONS SHALL BE COORDINATED WITH THE NORTHSHORE UTILITY DISTRICT. CONTRACTOR SHALL SCHEDULE TRENCHING AND BACKFILLING ACCORDINGLY.
- COORDINATE CONNECTION OF FIRE AND WATER SERVICES WITH MECHANICAL PLANS. PROVIDE FITTINGS AS REQUIRED TO MAKE CONNECTIONS.
- FIRE SERVICE SIZING SHOWN ON PLAN FOR DISTRIBUTION LINE IS PRELIMINARY. CONTRACTOR'S FIRE SPRINKLER DESIGNER TO DETERMINE SIZING DISTRIBUTION FOR MAXIMUM FLOW. HORIZONTAL ALIGNMENT OF FIRE SPRINKLER PIPING SHALL BE AS SHOWN ON PLAN.

**TREE PROTECTION NOTES**

- A TREE'S CRITICAL ROOT ZONE (CRZ) IS A CIRCULAR AREA WHICH HAS A RADIUS MEASURING ONE FOOT IN LENGTH FOR EVERY INCH OF TRUNK DIAMETER TAKEN AT 54 INCHES ABOVE GRADE AT BASE OF TREE. ACTUAL LIMITS OF A TREE'S CRZ WILL VARY BOTH IN DEPTH AND SPREAD DEPENDING ON SIZE OF TREE, SOILS, WATER TABLE, SPECIES AND OTHER FACTORS. IF THE DRIP LINE IS GREATER THAN THE CRZ, USE THE DRIP LINE AS THE CRZ. THE CRZ MAY EXTEND BEYOND TREE PROTECTION FENCING. DIAMETER BREST HEIGHT (DBH\*) = DIAMETER OF A TRUNK AS MEASURED AT A HEIGHT 54 INCHES ABOVE THE GROUND LINE.
- WHEN WORKING WITHIN THE TREE'S PROTECTION CRITICAL ROOT ZONE, AN ARBORIST SHALL BE PRESENT.
- NO STOCKPILING OF MATERIAL, VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE CRZ REGARDLESS OF FENCE LOCATION.
- WORK WITHIN CRZ SHALL BE MANUAL UNLESS OTHERWISE INDICATED. IF TRENCHLINE OR OTHER WORK FALLS WITHIN THE CRZ, CONTRACTOR SHALL REVIEW SPECIFICATIONS AND COORDINATE REQUIREMENTS WITH AUTHORITY HAVING JURISDICTION (AHJ). AT A MINIMUM, HAND DIG IN CRZ. RETAIN STRUCTURAL ROOTS (1 INCH OR GREATER) ACROSS TRENCHES. TEMPORARILY COVER ALL EXPOSED ROOTS WITH DAMP BURLAP TO PREVENT DRYING AND COVER WITH SOIL AS SOON AS POSSIBLE (28 HOUR MAX.) ROOTS OVER 1 INCH DAMAGED DURING CONSTRUCTION SHALL HAVE A CLEAN, STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT.
- WHERE SOIL ABATEMENT AND PLANTING SOIL REPLACEMENT OCCURS WITHIN THE CRZ, NO MOTORIZED EQUIPMENT SHALL BE ALLOWED ON UNPAVED SURFACES.
- WHERE EXISTING PAVEMENT IS TO BE REMOVED WITHIN THE CRZ, NO MOTORIZED EQUIPMENT SHALL BE ALLOWED ON UNPAVED SURFACES. FILL VOIDS WITH APPROVED SOILS. REPLACE TREE PROTECTION FENCING AFTER OPERATIONS.
- WHERE EXISTING FOUNDATION IS TO BE REMOVED WITHIN THE CRZ, NO MOTORIZED EQUIPMENT SHALL BE ALLOWED ON UNPAVED SURFACES. FILL VOID WITH APPROVED SOILS. REPLACE TREE PROTECTION FENCE.

**GENERAL SEWER AND DRAINAGE NOTES**

- THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF THE EXISTING SIDE SEWER OR SERVICE DRAIN AT THE POINT OF CONNECTION PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE AHJ INSPECTOR AND OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
- UNLESS NOTED OTHERWISE ON PLANS, PIPE MATERIALS FOR SANITARY SIDE SEWER (SSS) AND SERVICE DRAIN (SD) SHALL BE PVC PIPE AND FITTINGS PER ASTM D3034, SDR35 WITH RUBBER GASKET JOINTS.
- DUCTILE IRON PIPE SHALL BE PER ANSI A21.51 CLASS 50 WITH PUSH-ON JOINTS. FITTINGS FOR DUCTILE IRON PIPE SHALL BE DUCTILE PER ANSI A21.10 OR ANSI A21.53 WITH PUSH-ON JOINTS. GLANDS ON MECHANICAL JOINT PIPE AND FITTINGS SHALL BE DUCTILE.
- PIPES WITH LESS THAN 18" COVER SHALL BE DUCTILE IRON PIPE. ROOF DOWNSPOUT TIGHTLINES AND BUILDING FOOTING DRAINS ARE EXCEPTIONS TO THIS REQUIREMENT AND MAY HAVE A MINIMUM OF 12 INCHES OF COVER UNLESS NOTED OTHERWISE ON PLANS.
- BEDDING FOR PIPES AND STRUCTURES SHALL BE IN ACCORDANCE WITH AHJ STANDARDS AND SPECIFICATIONS. BEDDING MATERIAL FOR PVC PIPE SHALL BE MECHANICALLY COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS MEASURED BY ASTM D-698.
- TEES ON NEW PIPE LESS THAN 24" DIAMETER SHALL BE PREFABRICATED. TEES ON EXISTING PIPE OR ON NEW PIPE WITHOUT PREFABRICATED TEES SHALL BE CONNECTED BY CORE DRILLING AND FLEXIBLE CONNECTION. SEE SPECIFICATIONS.
- TEES, CATCH BASIN CONNECTIONS, SIDE SEWERS, AND SERVICE DRAINS SHALL BE PLACED AT A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 50% UNLESS OTHERWISE INDICATED ON THE PLANS.
- SERVICE DRAINS AND SIDE SEWERS SHALL BE CONNECTED OR RECONNECTED AS APPROVED BY THE AHJ INSPECTOR.
- RELAY EXISTING SERVICE DRAINS AND SIDE SEWERS TO CLEAR OVER OR UNDER THE NEW UTILITY AS APPROVED BY THE AHJ INSPECTOR.
- WHERE A NEW PIPE CLEARS AN EXISTING OR NEW UTILITY BY 6" OR LESS, POLYETHYLENE PLASTIC FOAM SHALL BE PLACED AS A CUSHION BETWEEN THE UTILITIES.
- PROVIDE DUCTILE IRON PIPE SLEEVE WHERE SS, SSS, OR SD PASSES UNDERNEATH OR THROUGH ANY FOOTINGS, STEM WALLS, RETAINING WALLS, OR ROCKERIES.
- A SEPARATE SIDE SEWER PERMIT FROM THE NORTHSHORE UTILITY DISTRICT IS REQUIRED. AT THE TIME OF APPLYING FOR THIS PROJECT'S SIDE SEWER PERMIT THE APPROVED AHJ PLAN COVER SHEET AND DRAINAGE CONTROL PLAN SET MUST BE PRESENTED WITH PERMIT APPLICATION.
- PROVIDE FITTINGS AS REQUIRED TO CONNECT TO EXISTING UTILITIES IN RIGHT-OF-WAY.
- PROVIDE SWEEPING TEES OR WYES AT ALL PIPE TO PIPE CONNECTION LOCATIONS.
- ADJUST RIM ELEVATION OF CATCH BASINS, AREA DRAINS AND CLEANOUT CASTINGS TO MATCH SURROUNDING GRADES, UNLESS OTHERWISE NOTED.
- COORDINATE CONNECTION OF SANITARY SIDE SEWER WITH MECHANICAL PLANS. PROVIDE FITTINGS AS REQUIRED TO MAKE CONNECTION.

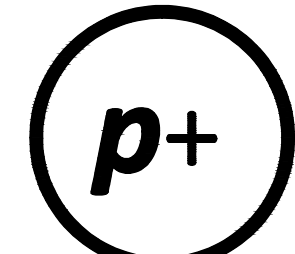
**STORM DRAINAGE NOTES**

- THE STORM DRAINAGE SYSTEM SHALL BE CONSTRUCTED ACCORDING TO THE APPROVED DRAINAGE CONTROL PLAN IN THE APPROVED BUILDING PERMIT PLAN SET, WHICH IS ON FILE WITH THE AHJ. ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE WRITTEN APPROVAL FROM THE AHJ AND THE OWNER'S REPRESENTATIVE.
- A COPY OF THE APPROVED DRAINAGE CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- ALL REQUIRED STORM WATER FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO CONSTRUCTION OF IMPERVIOUS SURFACING UNLESS OTHERWISE APPROVED BY THE AHJ AND THE OWNER'S REPRESENTATIVE.
- NOT USED.
- PROVIDE FOOTING DRAIN CLEANOUTS AT A MAXIMUM 100' ON CENTER AND PROVIDE NO FEWER THAN TWO PER STRUCTURE. COORDINATE LOCATION WITH THE OWNER'S ARCHITECT AND ENGINEER. CONTRACTOR SHALL DOCUMENT AS-BUILT LOCATION OF INSTALLED CLEANOUTS ON CONTRACTOR'S AS-BUILTS. MAINTAIN AS-BUILTS AS WORK PROGRESSES.
- ROOF DOWNSPOUT TIGHTLINES CONVEYING STORMWATER FROM ONE DOWNSPOUT SHALL BE OF 4-INCH DIAMETER PVC STORM DRAIN. ROOF DOWNSPOUT TIGHTLINES CONVEYING STORMWATER FROM TWO OR MORE DOWNSPOUTS SHALL BE OF 6-INCH DIAMETER PVC STORM DRAIN.
- TYPE 1 AND TYPE 2 CATCH BASIN STRUCTURES PER 2016 WSDOT STANDARD PLANS AND SPECIFICATIONS.
- PROVIDE A MINIMUM OF 2.0% SLOPE ON ALL DRAINAGE AND DOWNSPOUT CONNECTION LINES, UNLESS NOTED OTHERWISE.
- PROVIDE STORM DRAIN STENCILING IN PAVEMENT AT ALL STORM DRAIN CATCH BASINS, INLETS AND AREA DRAINS THAT ARE IN OR WITHIN ONE FOOT OF A PAVED AREA. STENCILING SHALL BE IN ACCORDANCE WITH PUBLIC AGENCY STANDARDS.

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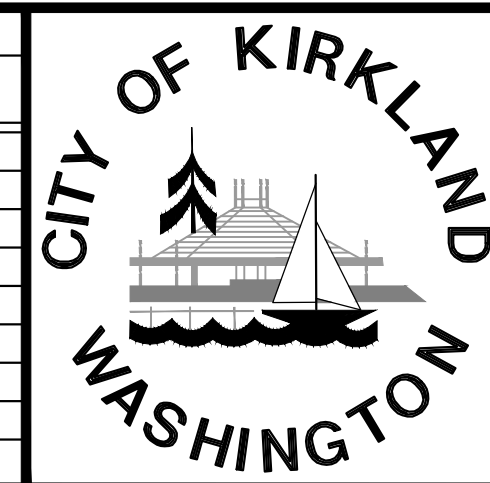


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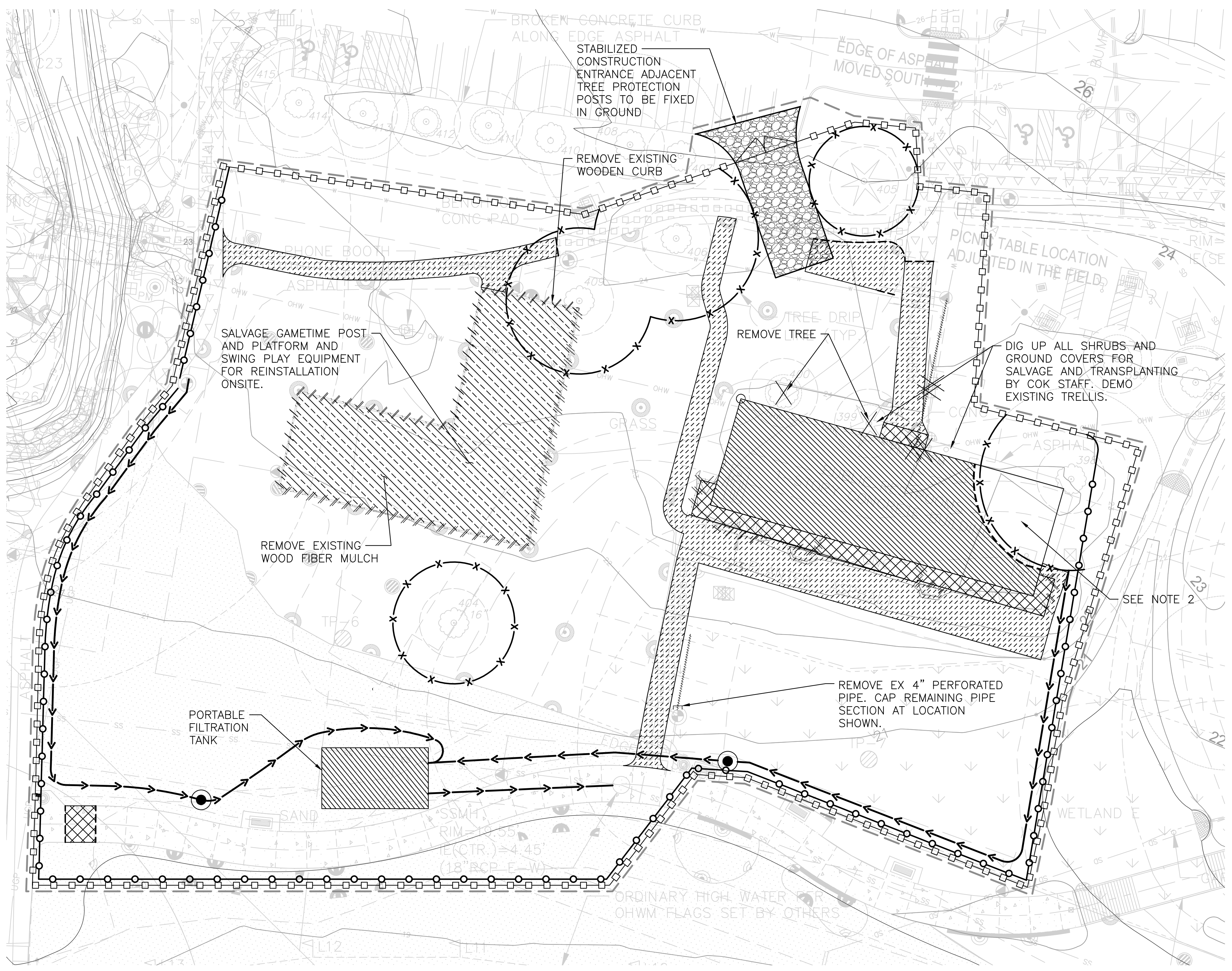
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BATHHOUSE REPLACEMENT**  
CIVIL AND LANDSCAPE NOTES 2

**SHEET**  
  
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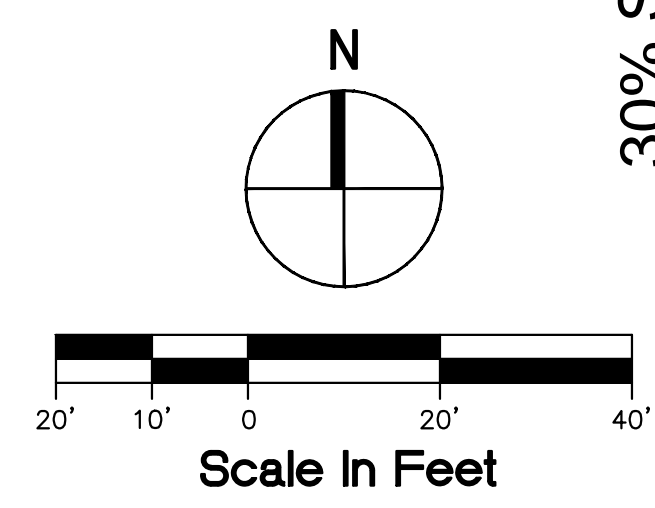
- APPROX LIMITS OF WORK
- TEMPORARY PLATE/COMMERCIAL CONSTRUCTION ENTRANCE (2) (D1.0)
- CONSTRUCTION FENCE
- SILT FENCE (1) (D1.0)
- TREE PROTECTION (CRZ) (6) (D3.0)
- CATCH BASIN PROTECTION
- STRAW WATTLE (3) (D1.0)
- SEDIMENT TRAP AND OVERFLOW RISER
- ESC CONVEYANCE PIPE
- DEMOLISH ITEM AS NOTED
- UTILITY DEMOLITION
- BUILDING DEMOLITION (SEE ARCH)
- ASPHALT REMOVAL
- CONCRETE REMOVAL
- WOOD FIBER MULCH REMOVAL
- WALL/CURB REMOVAL
- SAWCUT

**NOTES**

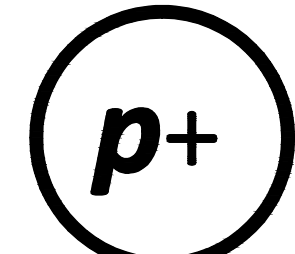
1. FIELD LOCATE, PRESERVE AND PROTECT ALL IRRIGATION TO REMAIN.
2. TREE PRESERVATION
  - \* FOR THE PRESERVATION OF EXISTING TREE AND TREE ROOTS: IN THIS ZONE SAWCUT SLAB ALONG OUTSIDE OF TREE PROTECTION ZONE. USE JACK HAMMER TO BREAK CONCRETE SLAB INTO SIZES SMALLER THAN 6'x6'. LEAVE BROKEN SLAB IN PLACE.
  - \* TIE UP AND PROTECT LOWER LIMBS DURING BUILDING DEMOLITION.

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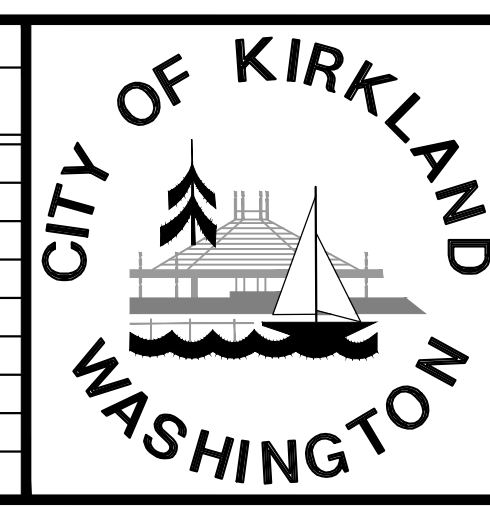


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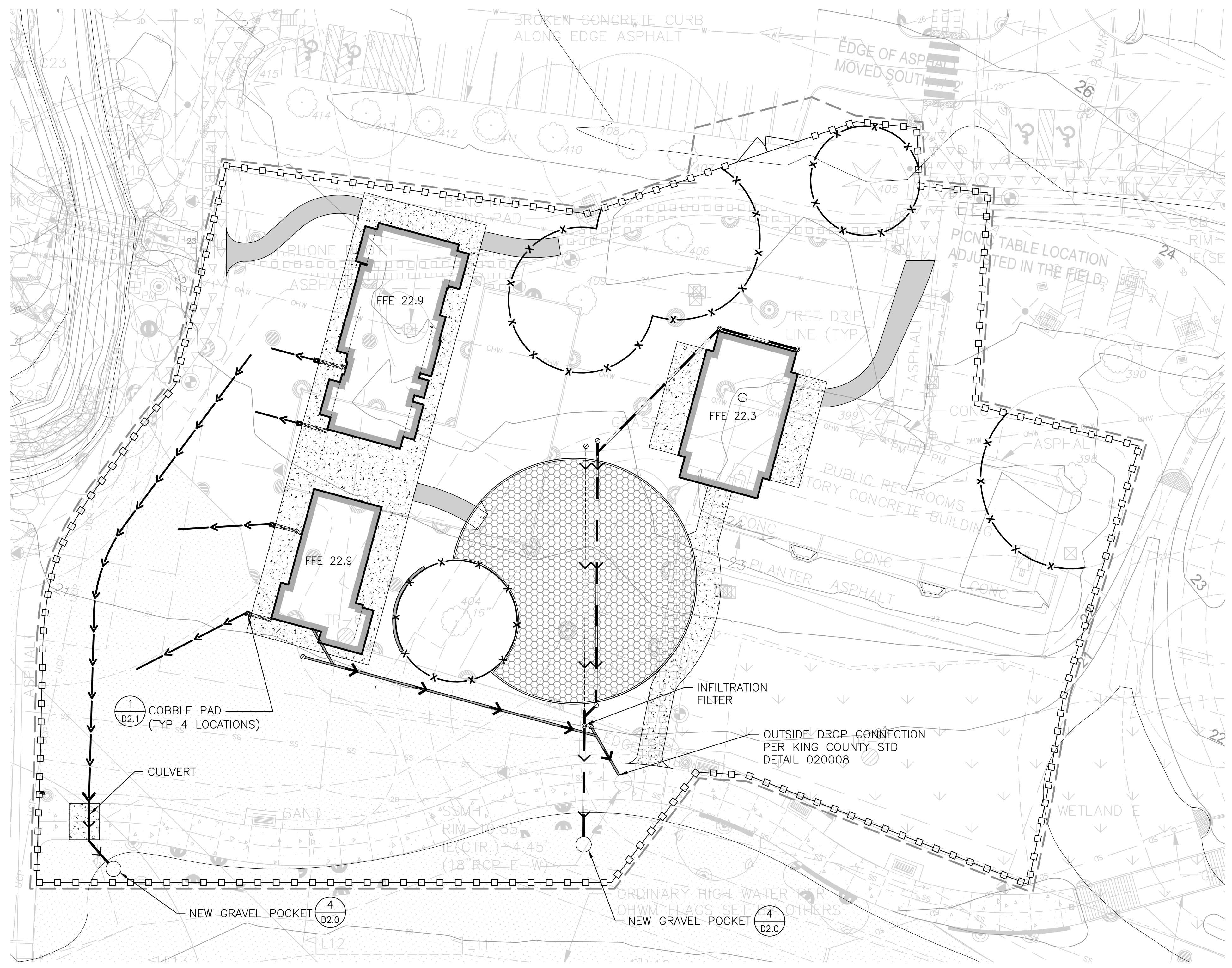
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ESC/DEMOLITION PLAN**

**SHEET**  
  
C1.0

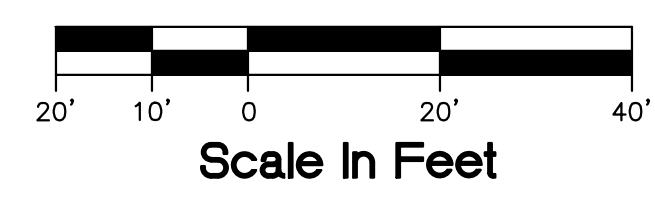
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- APPROX LIMITS OF WORK
- ▬ PROPOSED BUILDING
- x-x- TREE PROTECTION (6/03.0)
- STORM DRAIN LINE
- - - SLOTTED STORM DRAIN (5/02.0)
- ▬ WATER LINE
- ▬ SANITARY SEWER LINE
- ▬ TRENCH DRAIN (1/02.1)
- STORM DRAIN CLEANOUT
- DOWNSPOUT
- ← PIPE FLOW DIRECTION
- ←← SURFACE FLOW/CONVEYANCE SWALE

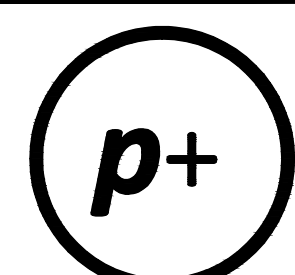


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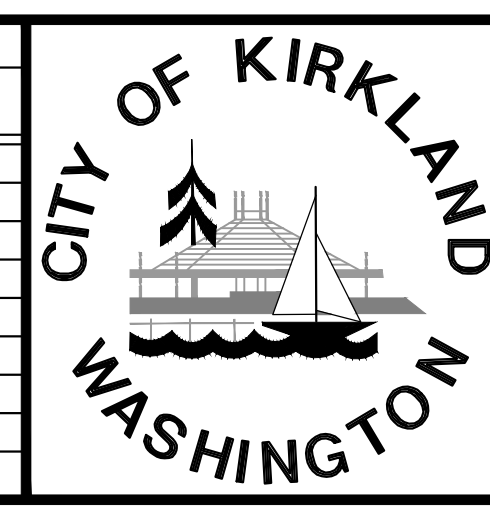
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UTILITY AND DRAINAGE PLAN**

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C2.0



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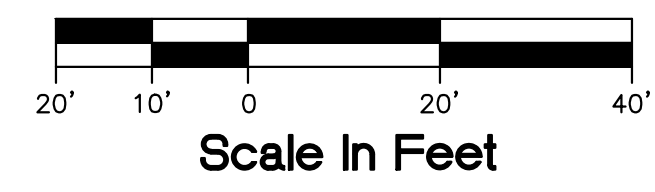
- APPROX LIMITS OF WORK
- PROPOSED BUILDING
- ADA ROUTE OF TRAVEL
- TREE PROTECTION
- ROOF OVERHANG
- ASPHALT SECTION FOR MULTI PURPOSE AND PAVED PATHS (5 D2.0)
- ENGINEERED WOOD FIBER SAFETY SURFACING (2 D2.0)
- SIDEWALK (SEE NOTE 1) (4 D1.0, 6 D2.0)
- SMALL LANDSCAPE WALL (1 D2.0)
- FLUSH CONCRETE CURB (3 D2.0)
- PLAY AREA ADA RAMP W/ CONCRETE SURFACING
- SIGNAGE
- SPOT ELEVATION
- CONTOUR
- TOP OF CURB
- BOTTOM OF CURB
- TOP OF WALL
- BOTTOM OF WALL

**LEGEND**

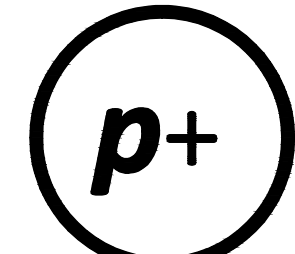
1. COK SIDEWALK DETAIL DOES NOT REQUIRE CURB AND GUTTER. USE FOR PAVEMENT SECTION, SCORING EXPANSION JOINTS AND FINISH.

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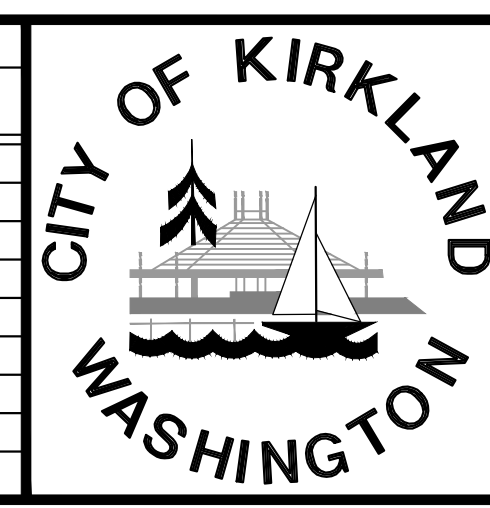
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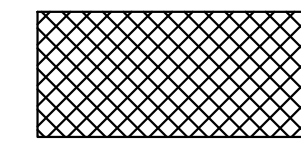
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BATHHOUSE REPLACEMENT  
PAVING AND GRADING PLAN**

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C3.0

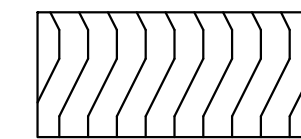
**PLANT SCHEDULE** NWN=NORTHWEST NATIVE OR CULTIVAR, DT=DROUGHT TOLERANT, EG = EVERGREEN, <3'HT = LESS THAN 3' HEIGHT

SYM	NWN	DT	EG	<3' HT	BOTANICAL NAME	COMMON NAME	SIZE / SPACING
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**NATIVE PLANT MIX PLANTING ZONE**

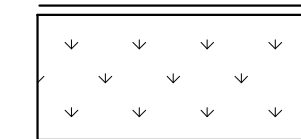


WETTER AREA NATIVE MIX							
NWN			EG	<3' HT	IRIS TENAX	OREGON IRIS	1 GAL. / 18" O.C.
NWN					CORNUS SERICEA	REDTWIG DOGWOOD	3 GAL. / 4' O.C.
NWN		DT	EG		MYRICA GALE	SWEET GALE	1 GAL. / 30" O.C.
NWN					SALIX PURPURPEA	ARCTIC WILLOW	3 GAL. / 4' O.C.
NWN			EG		CAREX OBNUPTA	SLOUGH SEDGE	10 CU. IN. PLUG. / 9" O.C.
NWN			EG	<3' HT	JUNCUS ENSIFOLIUS	DAGGER-LEAF RUSH	10 CU. IN. PLUG. / 9" O.C.
NWN			EG	<3' HT	JUNCUS PATENS 'CARMENS GREY'	COMMON RUSH	10 CU. IN. PLUG. / 9" O.C.



WOODLAND AREA NATIVE MIX							
NWN				<3' HT	ALLIUM CERNUUM	NODDING ONION	4" POT / 12" O.C.
NWN		DT	EG	VARIABLES	GAULTHERIA SHALLON	SALAL	3 GAL. / 36" O.C.
NWN		DT	EG	<3' HT	MAHONIA NERVOSA	OREGON GRAPE	1 GAL. / 18" O.C.
NWN					PHYSOCARPUS CAPITATUS	PACIFIC NINE BARK	5 GAL. / 6' O.C.
NWN		DT	EG	<3' HT	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	1 GAL. / 30" O.C.
NWN					RIBES SANGUINEUM	FLOWERING RED CURRANT	3 GAL. / 4' O.C.
NWN		DT			SYMPHORICARPOS ALBUS	SNOWBERRY	1 GAL. / 4' O.C.
NWN				<3' HT	TELLIMA GRANDIFLORA	FRINGE CUP	1 GAL. / 18" O.C.
NWN					VACCINIUM OVALIFOLIUM	OVAL LEAVED BLUEBERRY	1 GAL. / 4' O.C.
NWN			EG		VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	1 GAL. / 4' O.C.
NWN		DT			VIBURNUM ELLIPTICUM	OREGON VIBURNUM	5 GAL. / 6' O.C.

**SEEDED LAWN AREA**

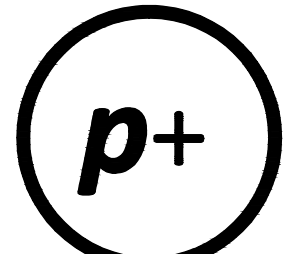


							SEEDED LAWN MIX TBD
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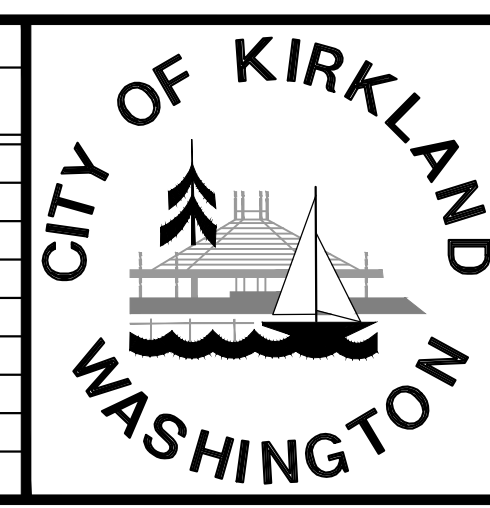


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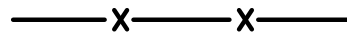

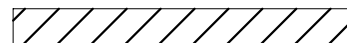

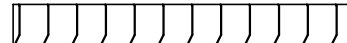
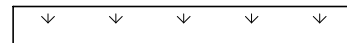
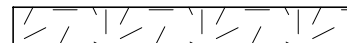


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**JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
LANDSCAPE PLANT SCHEDULE**

**SHEET**  
L4.0



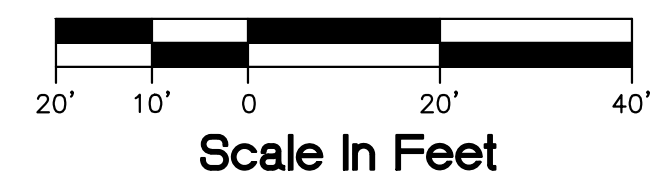
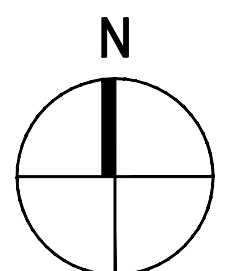
**LEGEND**

-  TREE PROTECTION
-  ASPHALT PAVEMENT (SEE PAVING PLAN) 5 D1.0
-  AMENDED SOIL (4" COMPOST TILLED IN 8")
-  WETTER AREA NATIVE PLANTINGS W/ 4" COMPOST TILLED IN 8" (SEE PLANT SCHEDULE)
-  WOODLAND AREA NATIVE MIX W/ 4" COMPOST TILLED IN 8" (SEE PLANT SCHEDULE)
-  SEEDED LAWN RESTORATION
-  MULCH

**NOTES**

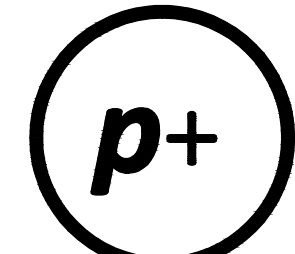
1. PRESERVE AND PROTECT ALL IRRIGATION TO REMAIN.
2. REVISE PIPING AND VALVES OF EXISTING IRRIGATION TO MAINTAIN AUTOMATIC SYSTEM.
3. PROVIDE NEW IRRIGATION TO NEW LANDSCAPE.
4. ZONE ALL PLANTING AND LAWN AREAS SEPARATELY.

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04/19/2015 10:53 AM 41923.dwg (P) 41923.dwg  
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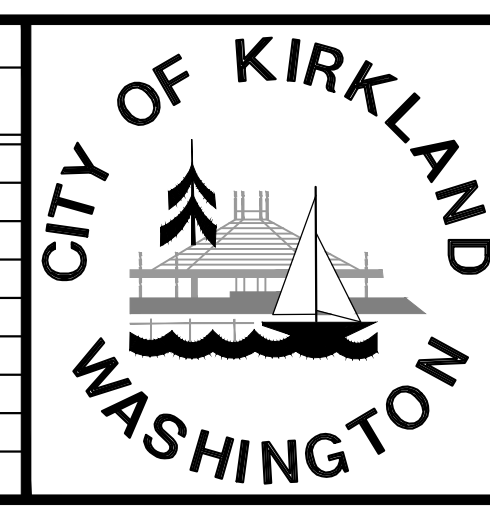


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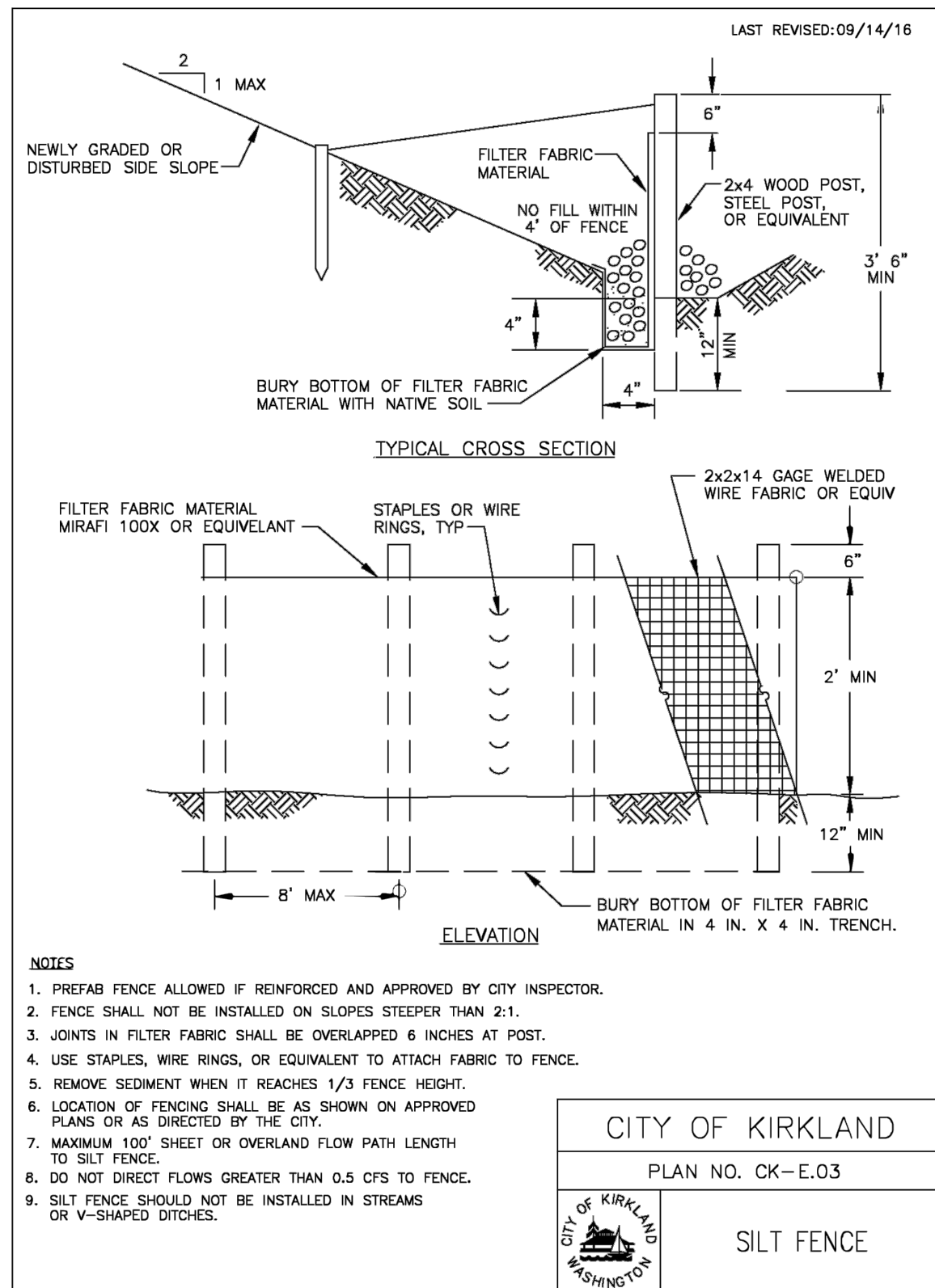


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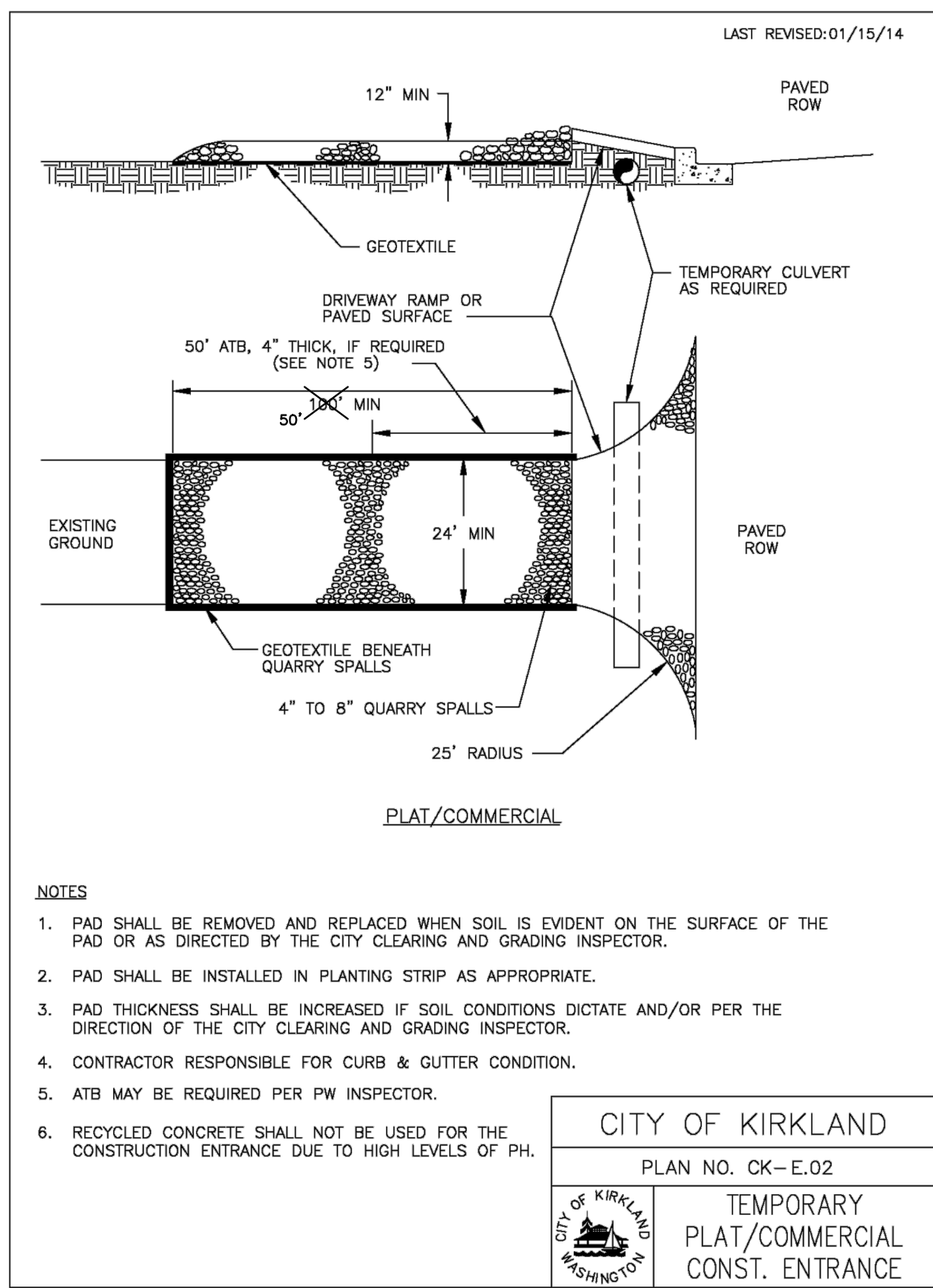
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BATHHOUSE REPLACEMENT  
SOIL AND LANDSCAPE PLAN**

**SHEET**  
  
L4.1

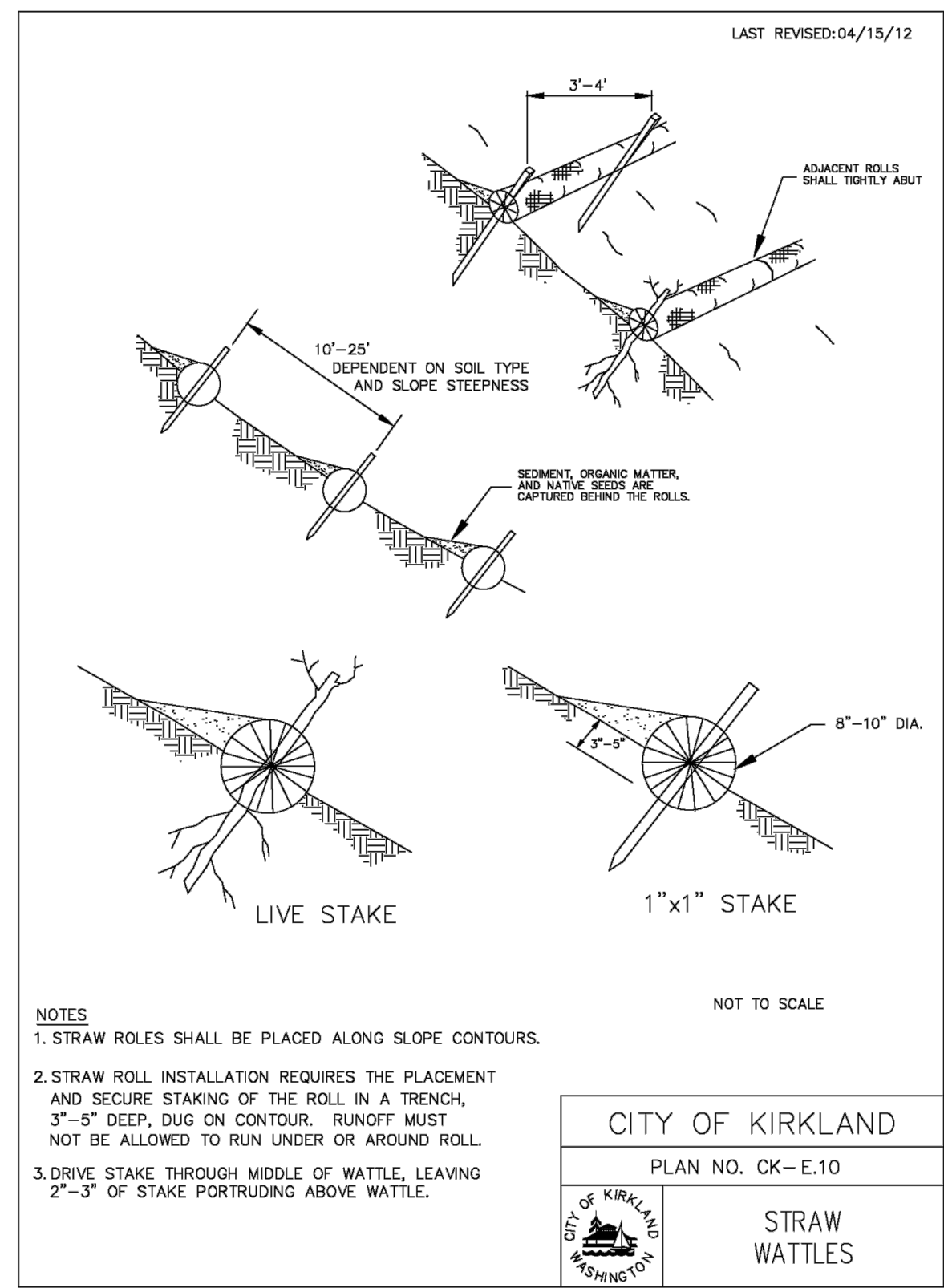




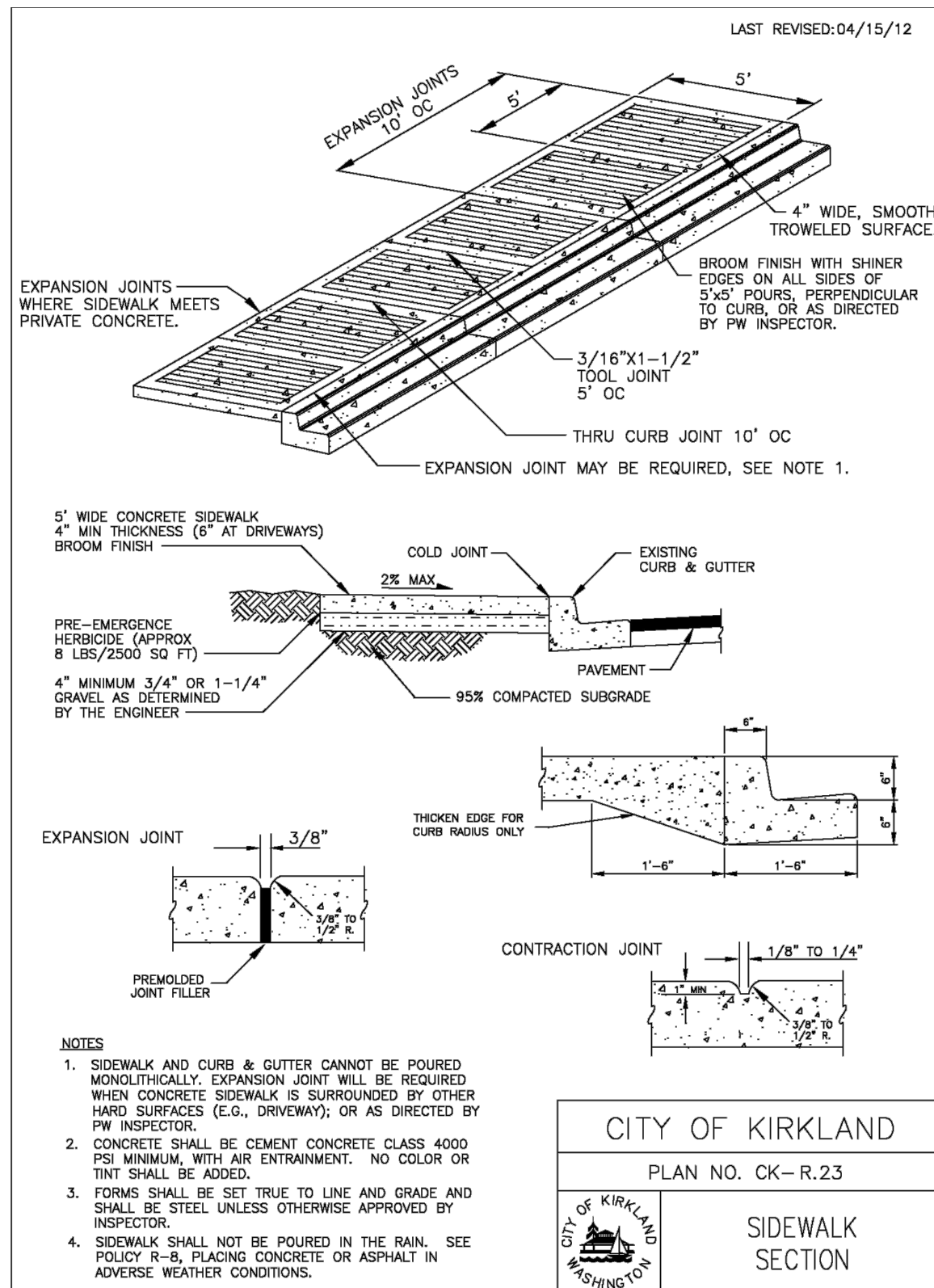
NTS  
Silt Fence 1



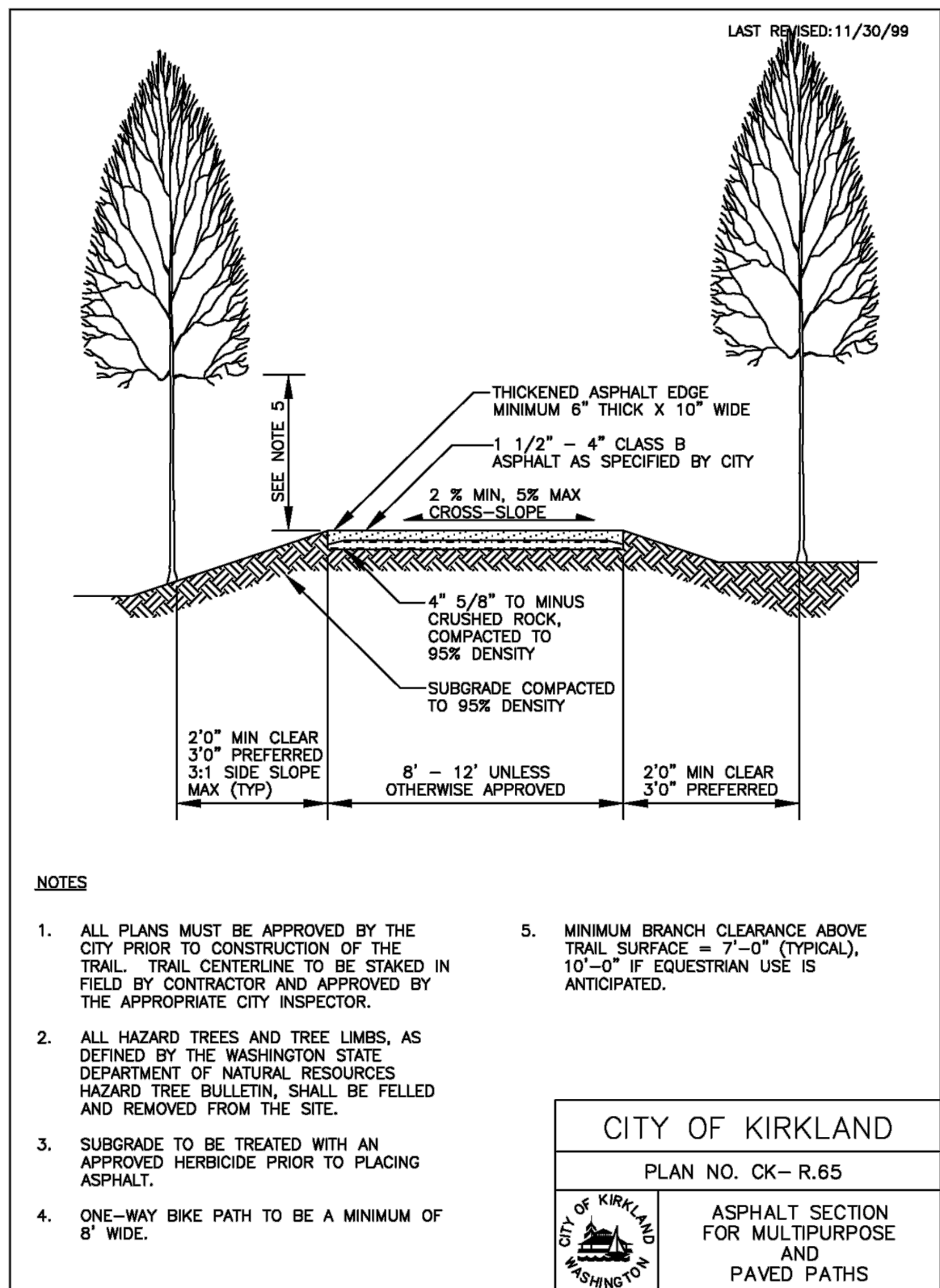
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Temporary Plate/Commercial Const. Entrance (Modified 50' Length) 2



NTS  
Straw Wattles 3



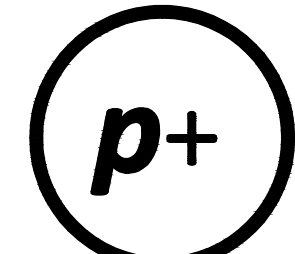
NTS  
Sidewalk Section 4



NTS  
Asphalt Section for Multipurpose and Paved Paths 5

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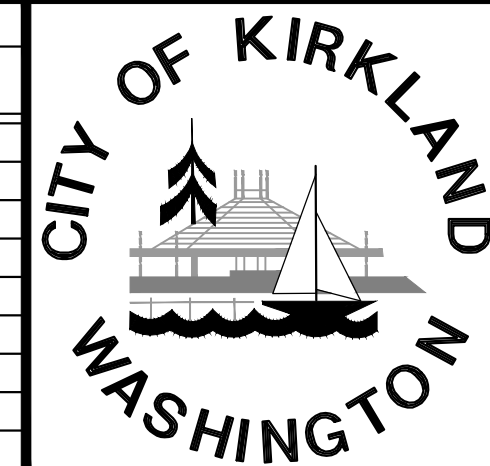
NTS  
Not Used 6



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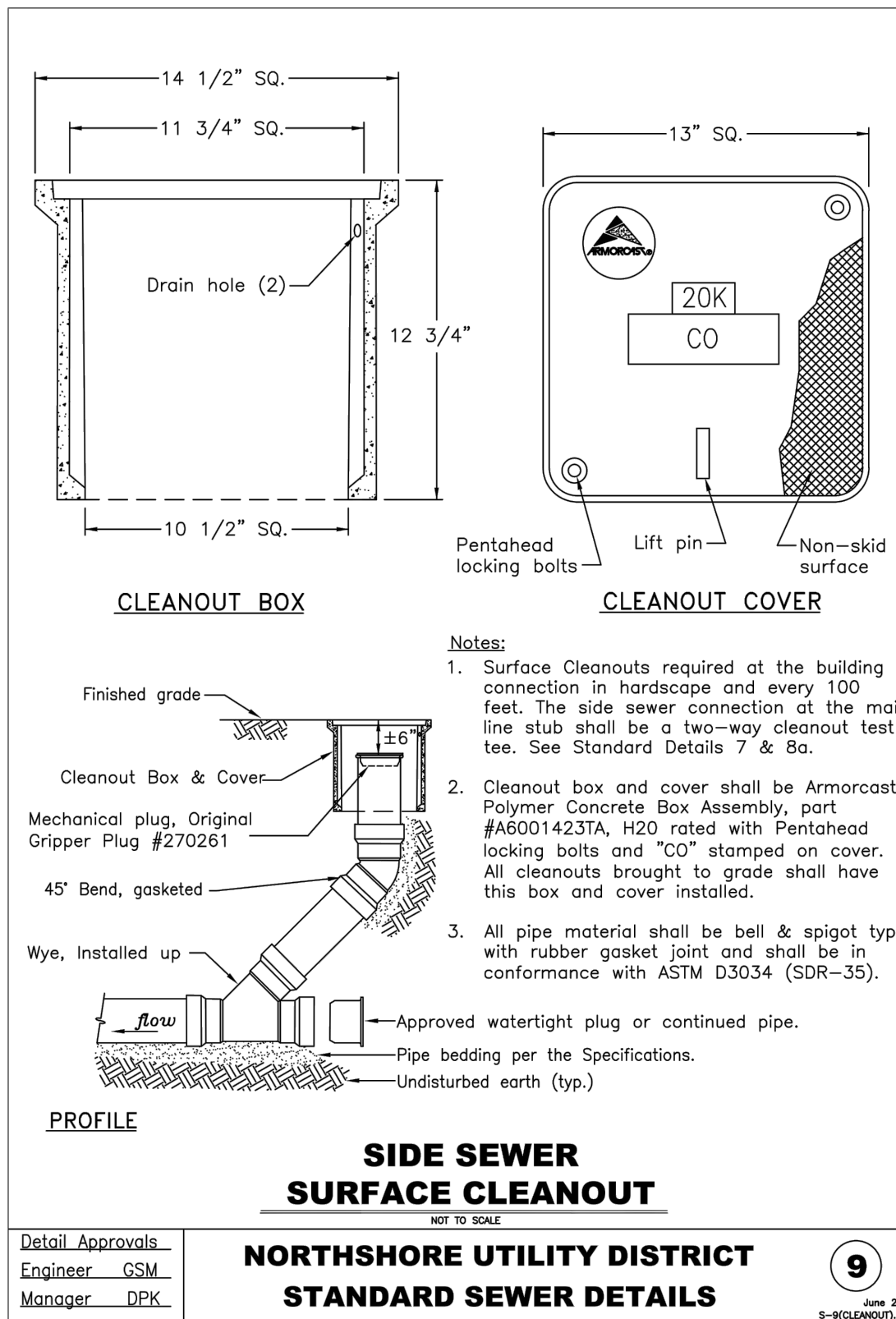
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BATHHOUSE REPLACEMENT  
AGENCY STD DETAILS

SHEET  
D1.0

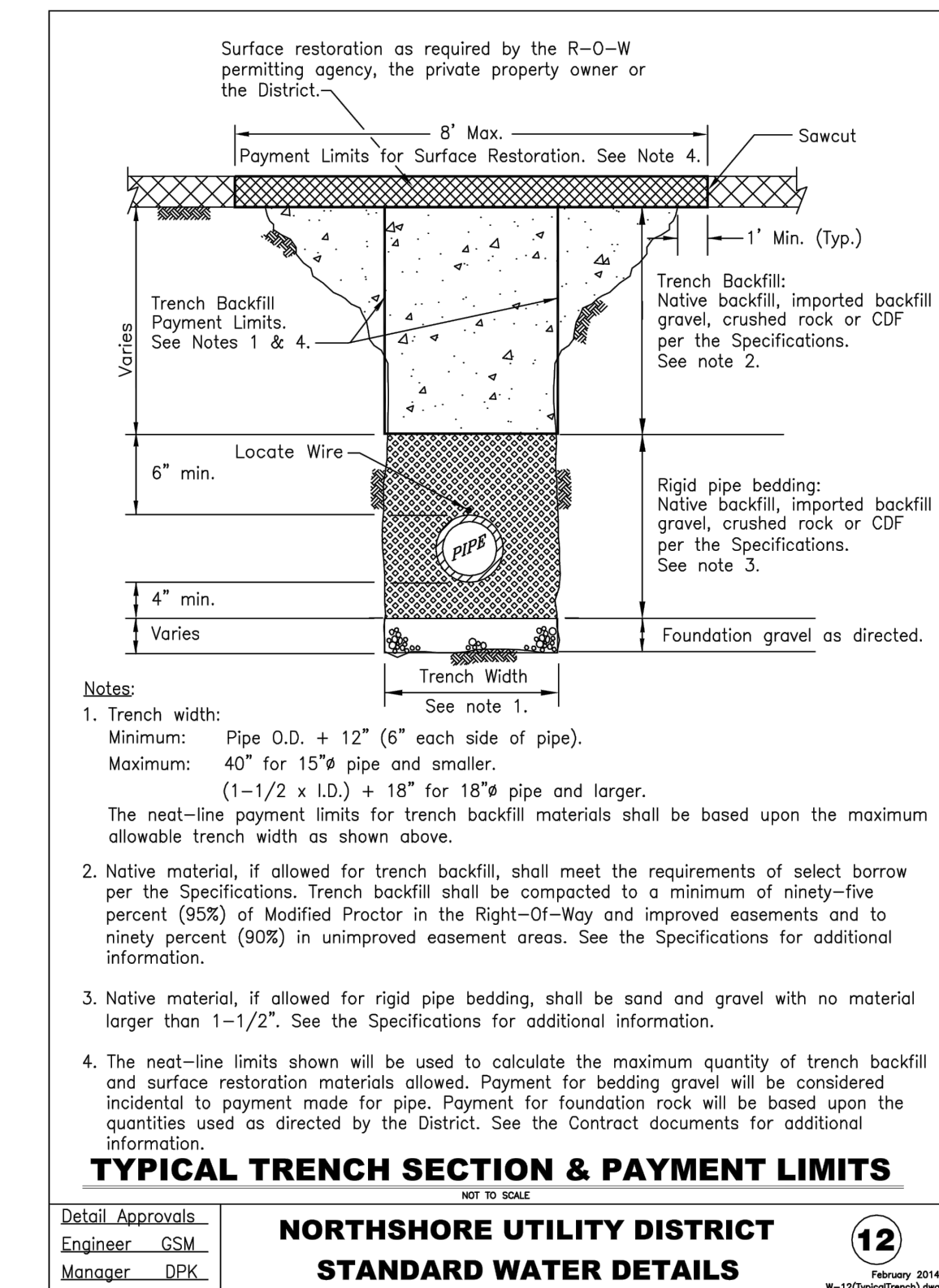
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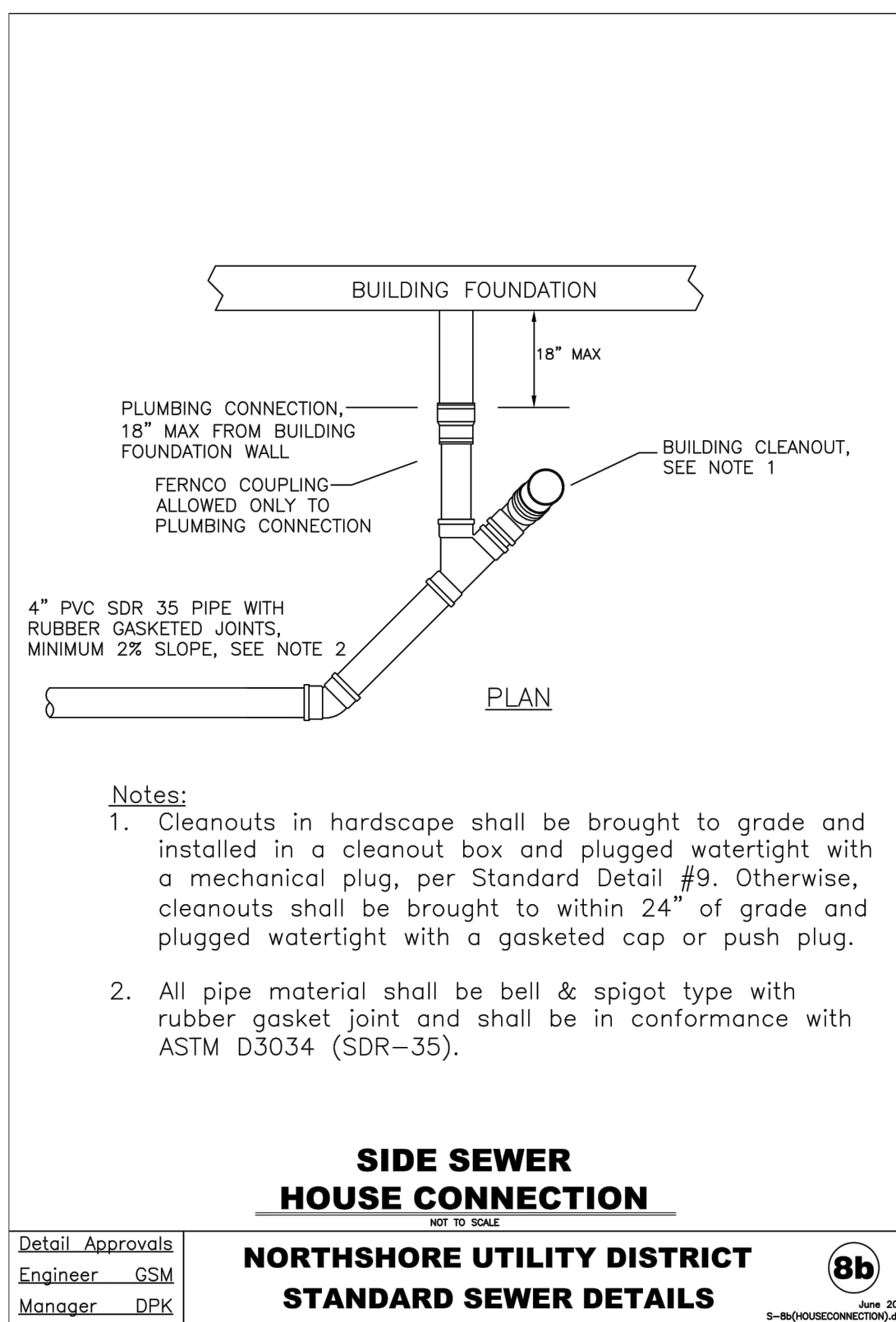


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 Not Used 1

NTS  
 Side Sewer Surface Cleanout 2

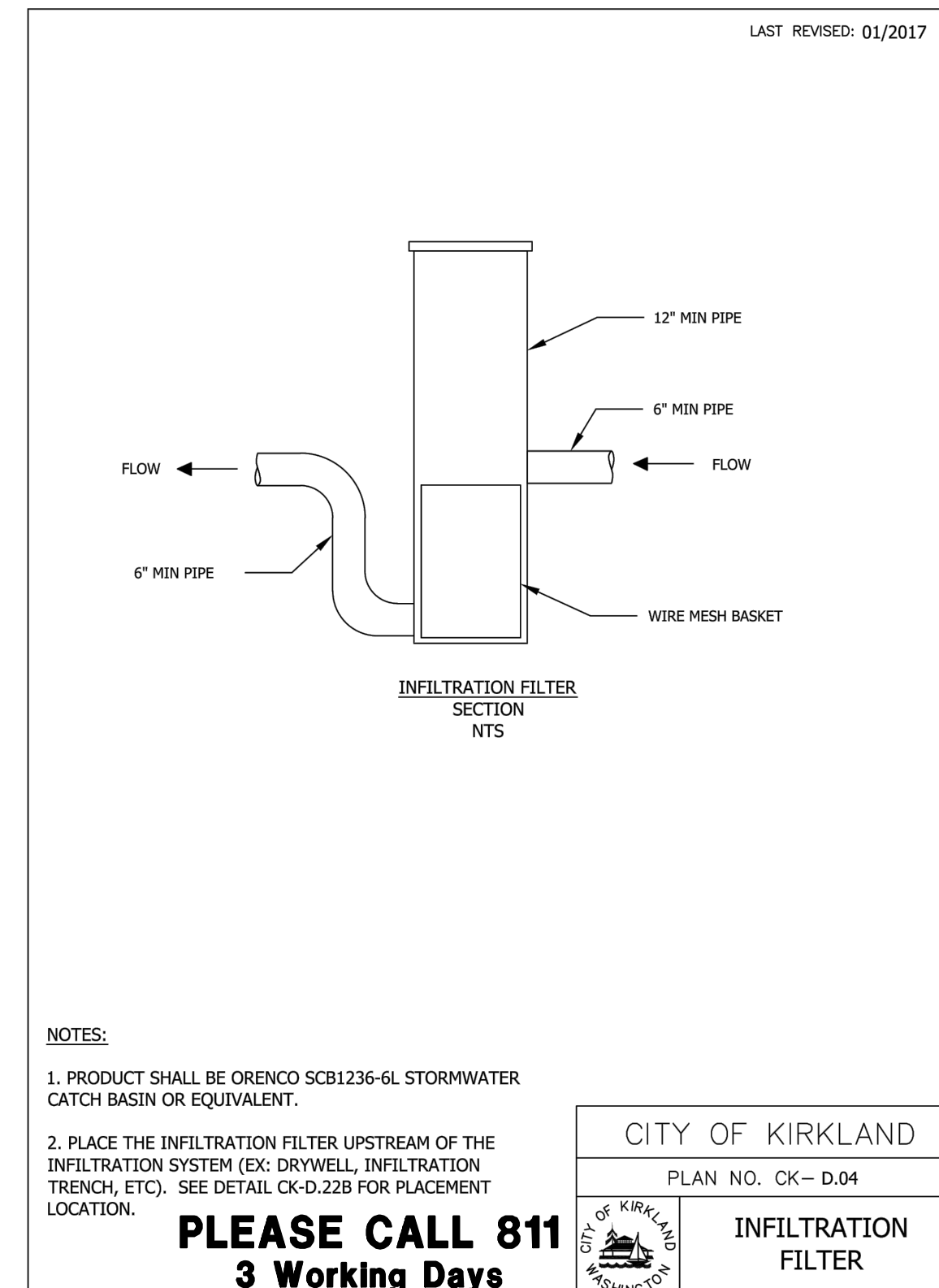


NTS  
 Typical Trench Section + Payment Limits 3



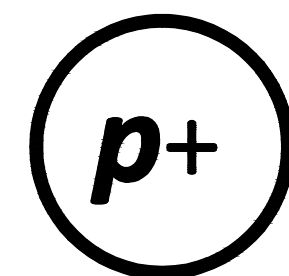
NTS  
 Not Used 4

NTS  
 Side Sewer House Connection 5



NTS  
 Infiltration Filter 6

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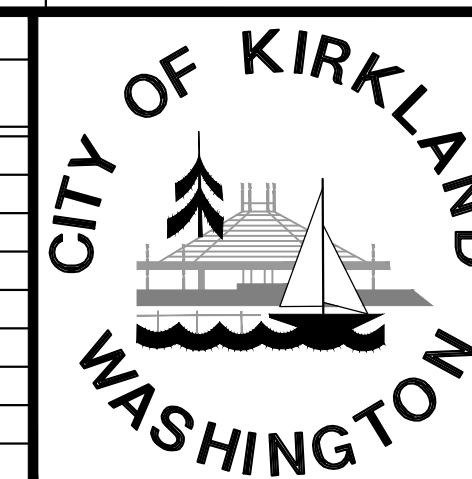


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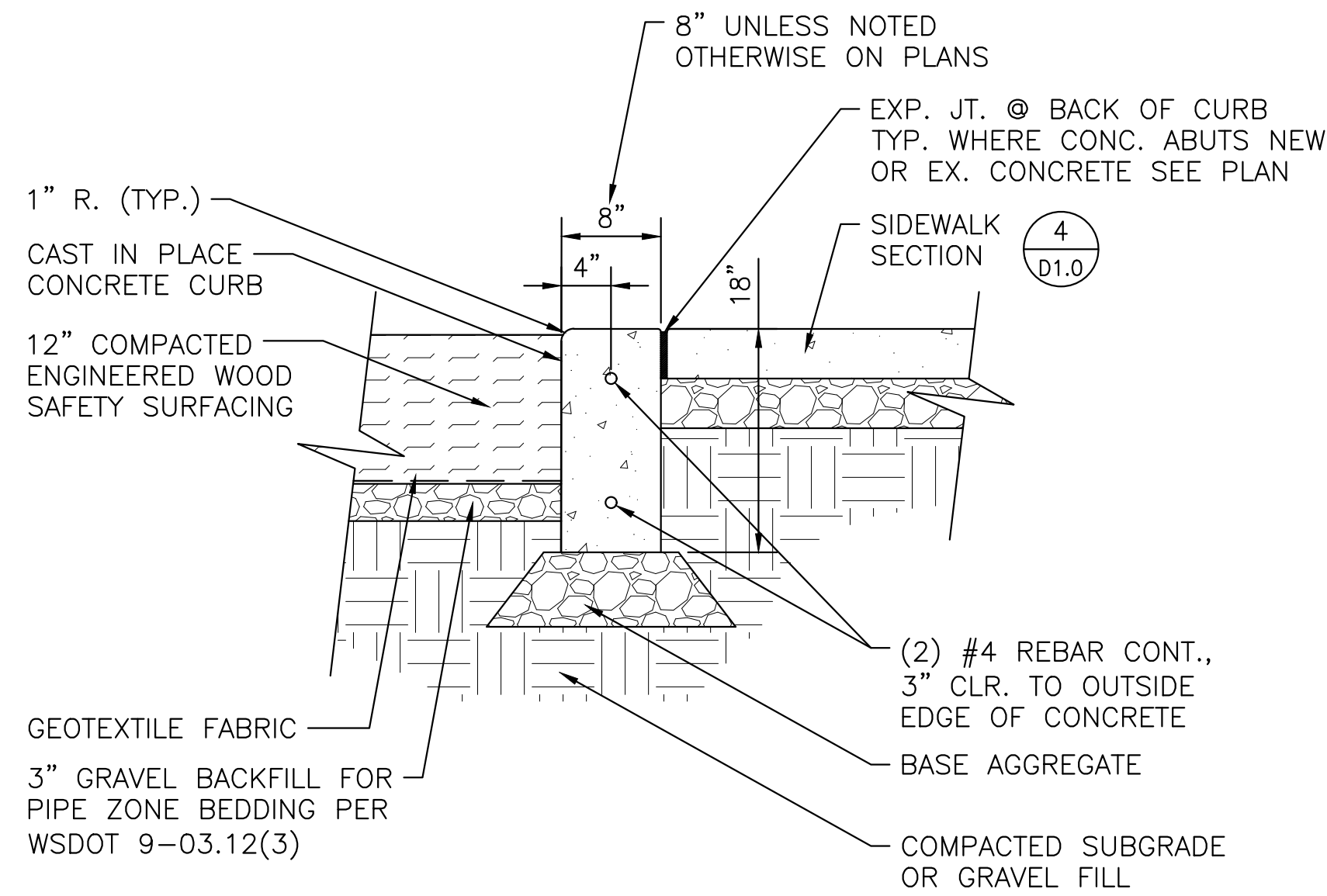
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 AGENCY STD DETAILS

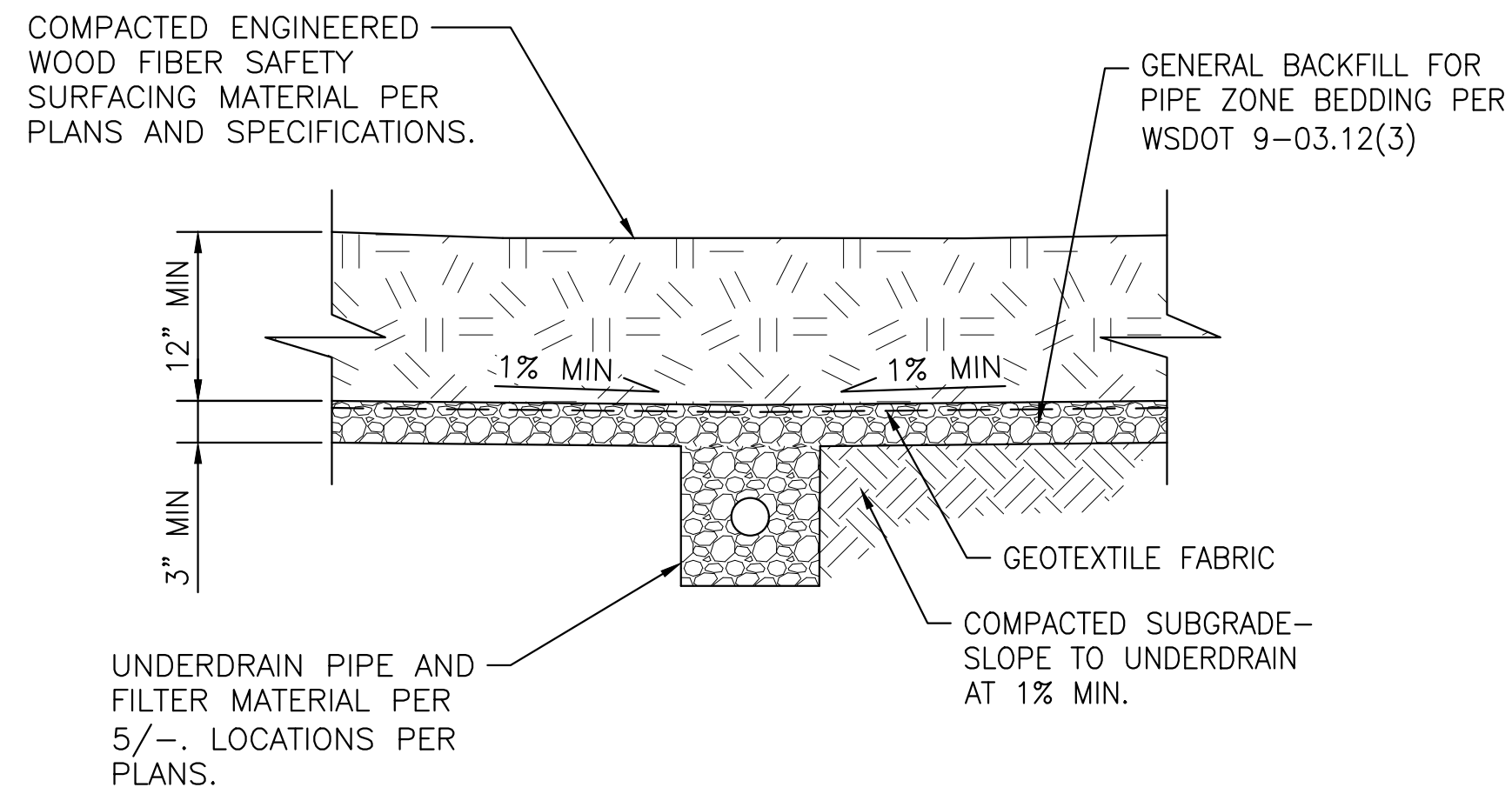
**SHEET**  
 D1.1

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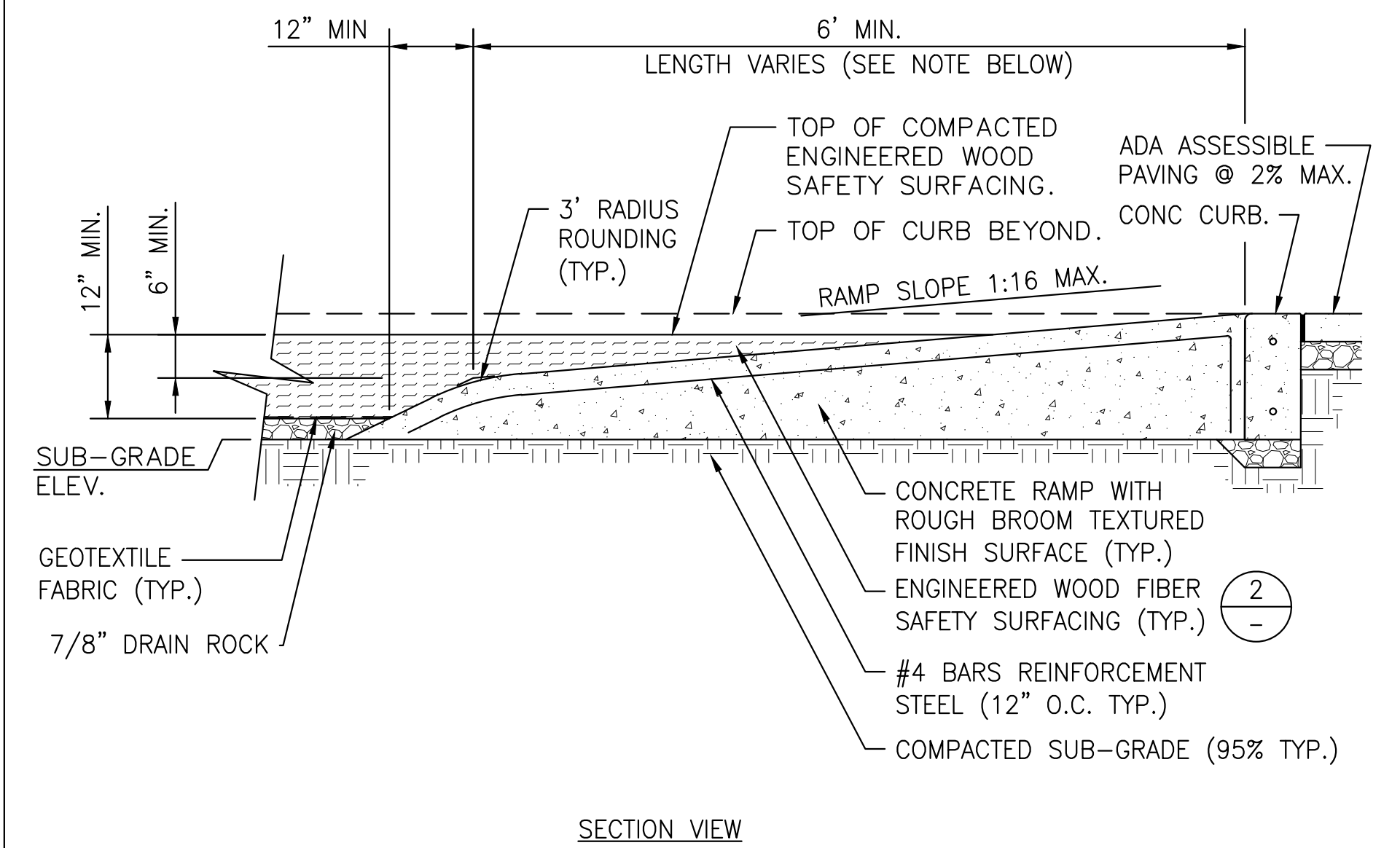


NOTE: MATCH TOP OF CURB TO HEIGHT OF ADJACENT CURBING/PAVEMENT, OR AS NOTED ON PLAN.

Flush Concrete Curb <sup>NTS</sup> 1



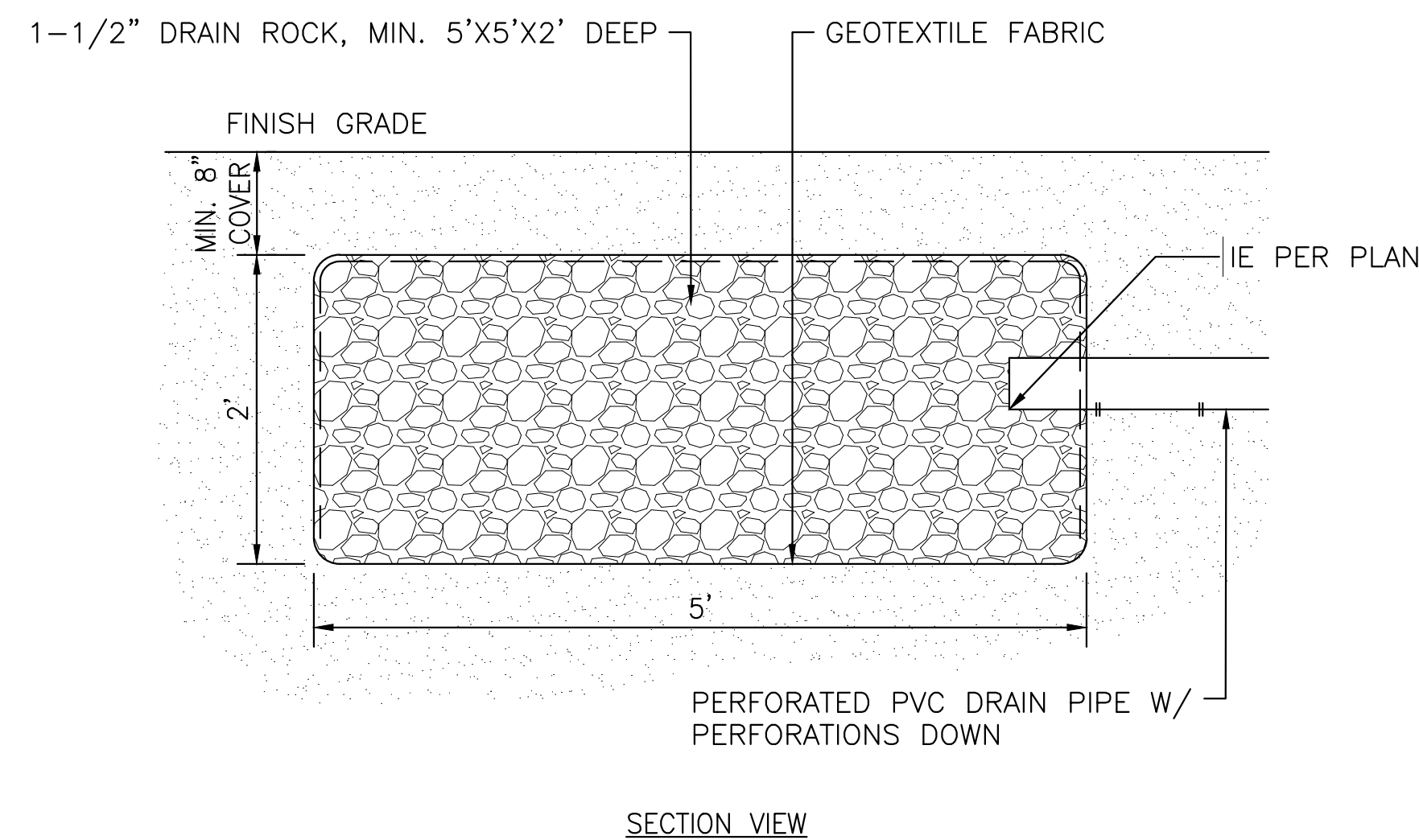
Engineered Wood Fiber Safety Surfacing <sup>NTS</sup> 2



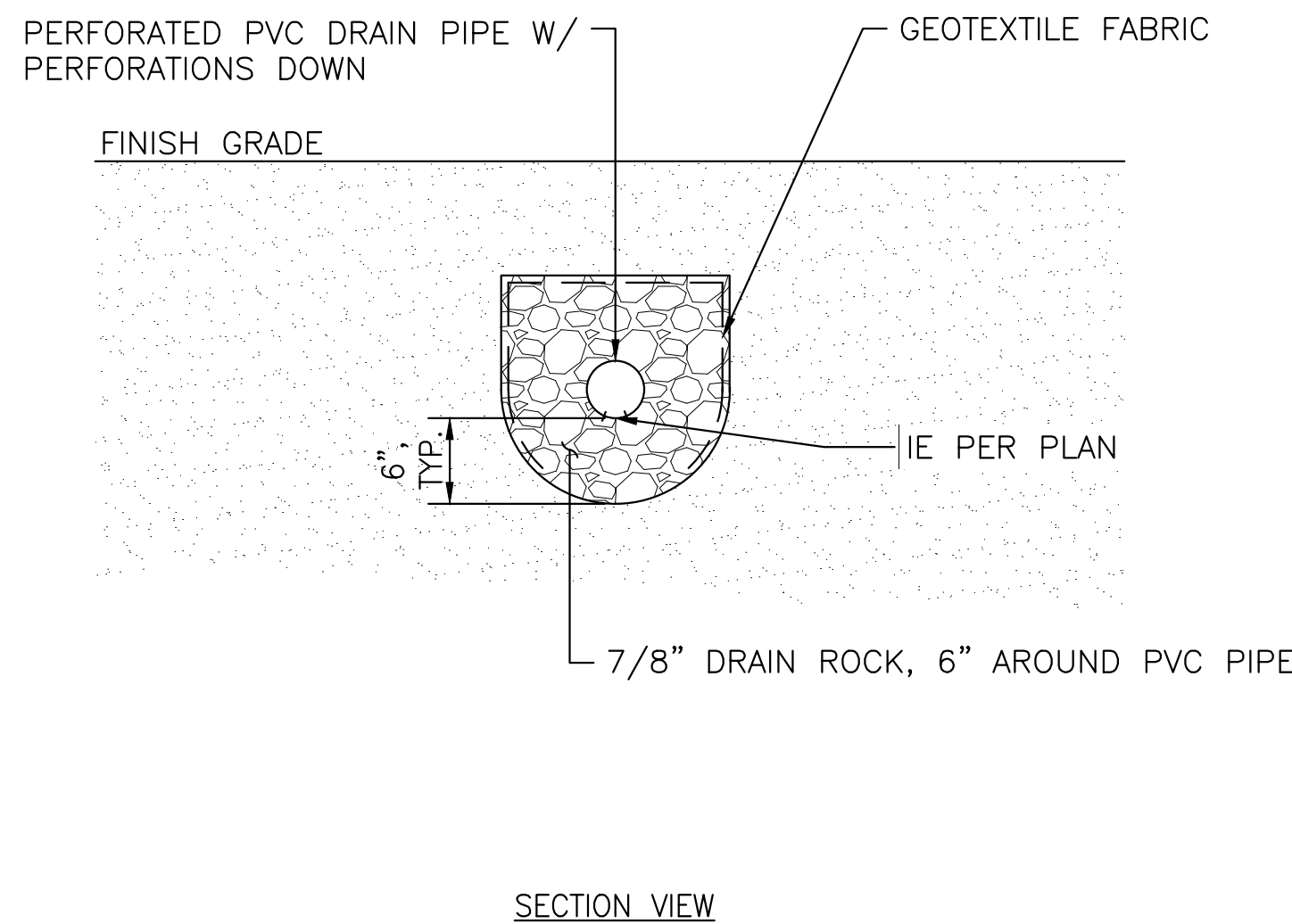
GENERAL NOTES:

1. ALL PLAY AREA RAMPS SHALL MEET CURRENT ADA LAWS AND REGULATIONS PER ATSM AND CPSC.
2. RAMP SLOPE SHALL BE 12:1 MAX. (16:1 MAX. WHEN RAMP IS PART OF ADA ROUTE BETWEEN PLAY ELEMENTS WITHIN THE PLAY AREA ITSELF).
3. LENGTH AND SHAPE OR RAMPS CAN VARY DEPENDING ON SITE CONDITIONS.
4. RAMP WIDTH SHALL BE 5' MIN. PER ADA.

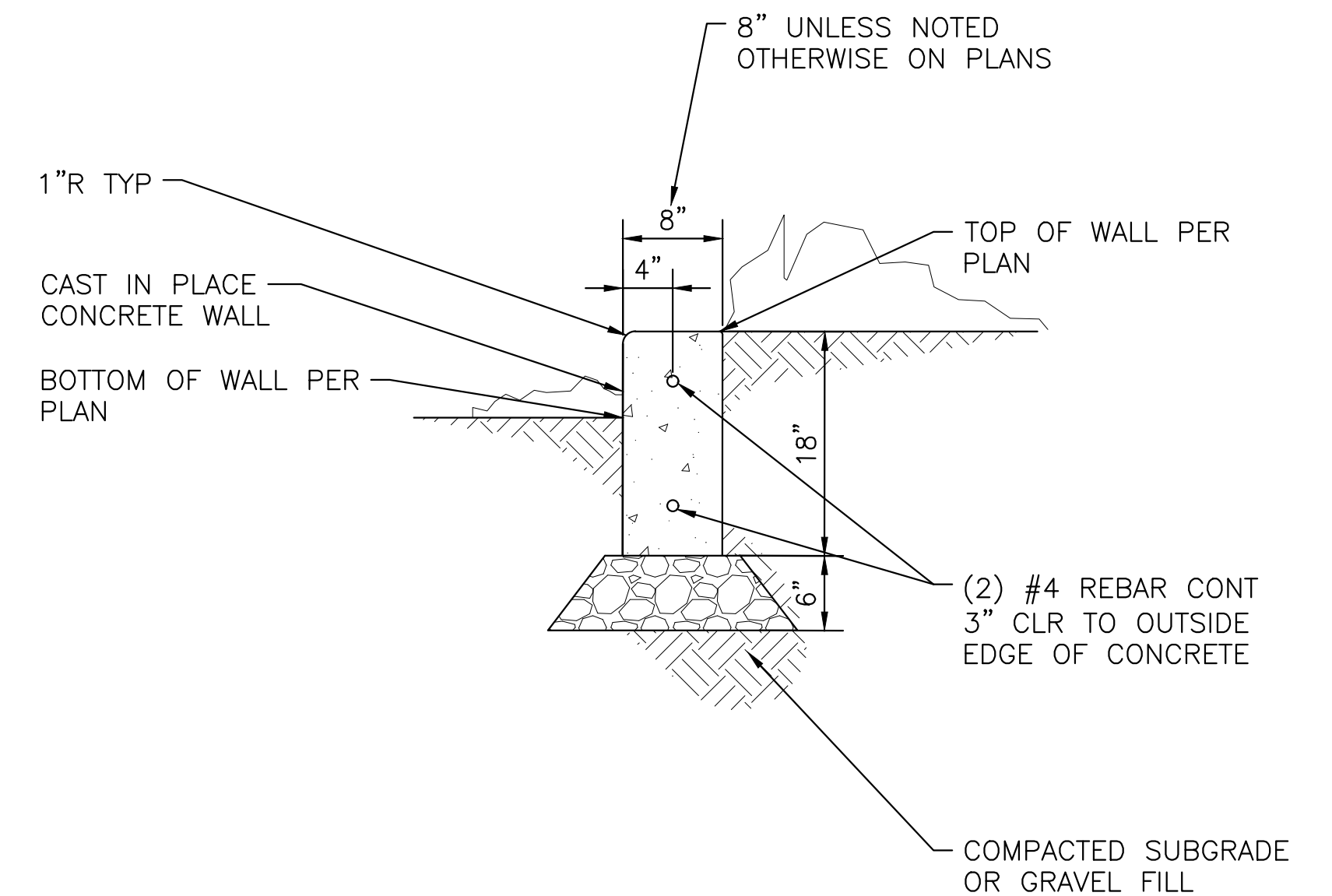
Play Area ADA Ramp w/Concrete Surfacing <sup>NTS</sup> 3



Gravel Pocket <sup>NTS</sup> 4



Slotted Storm Drain <sup>NTS</sup> 5

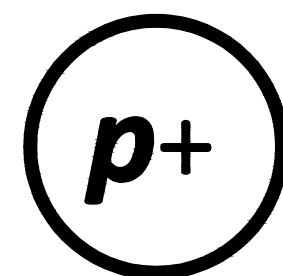


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Small Landscape Wall <sup>NTS</sup> 6

04/19/2015 10:00 AM 4/19/2015 10:00 AM  
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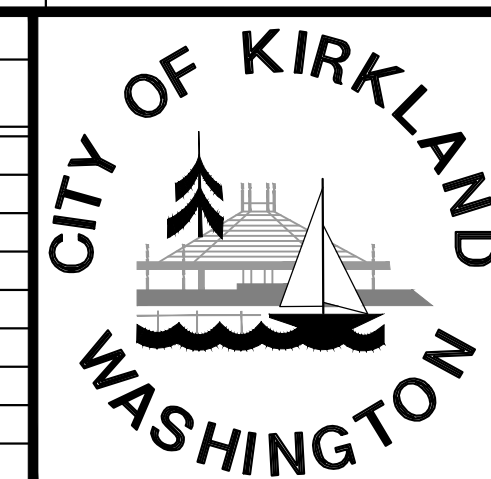


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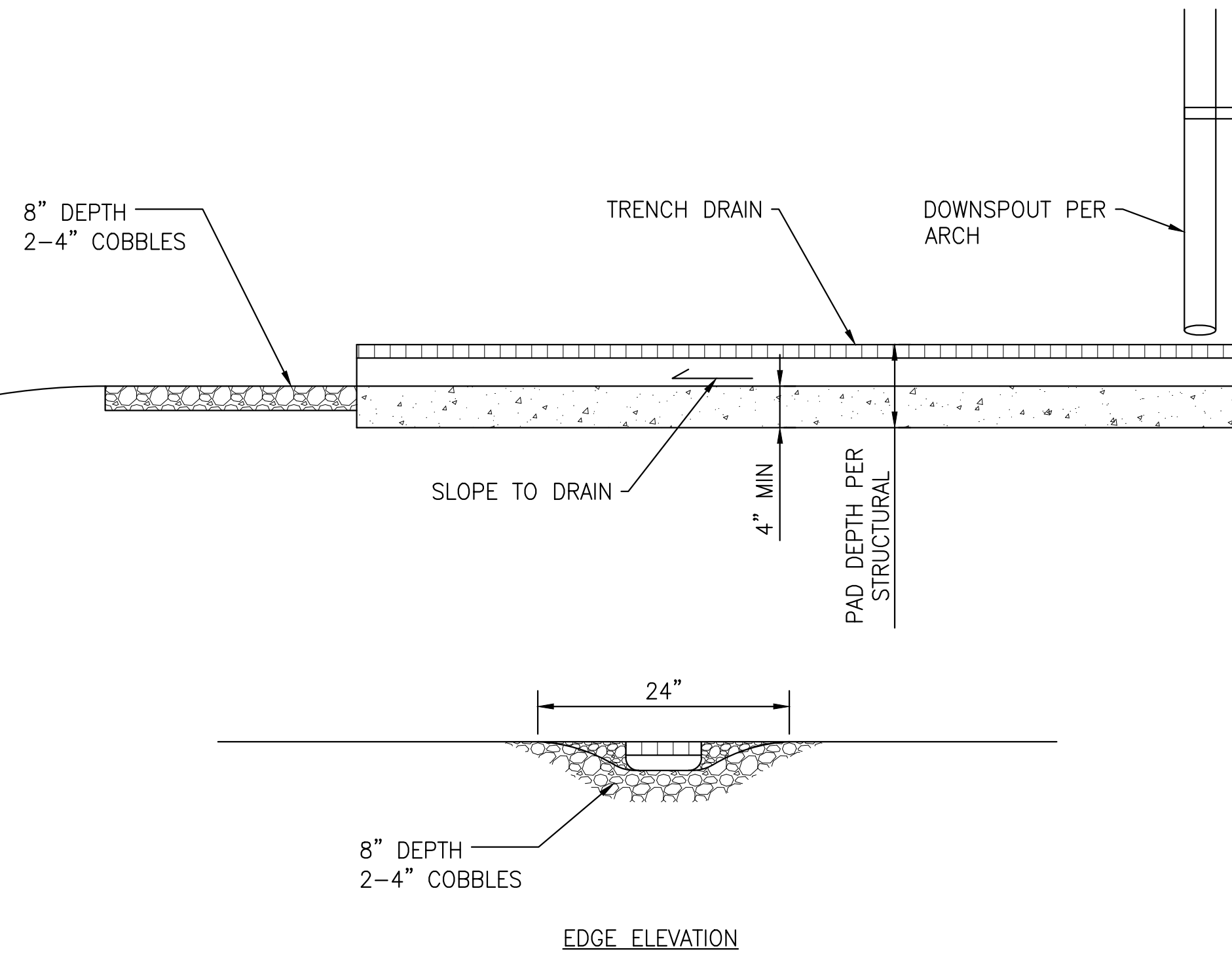
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PAVING AND DRAINAGE DETAILS

SHEET  
D2.0



Trench Drain Downspout Conveyance <sup>NTS</sup> 1

Not Used <sup>NTS</sup> 2

Not Used <sup>NTS</sup> 3

Not Used <sup>NTS</sup> 4

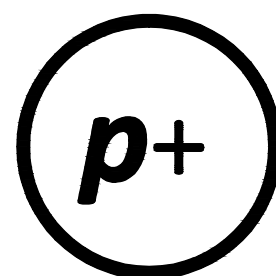
Not Used <sup>NTS</sup> 5

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Not Used <sup>NTS</sup> 6

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PAVING AND DRAINAGE DETAILS

**SHEET**  
D2.1

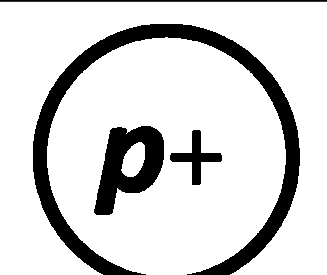
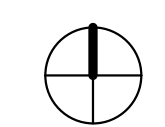
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**SITE DEMOLITION NOTES**

- 1 DEMOLISH (E) PLAY AREA AND CURB, COORD. W/ CIVIL / LANDSCAPE DRAWINGS
- 2 DEMOLISH (E) PATH, COORD. W/ CIVIL / LANDSCAPE DRAWINGS
- 3 DEMOLISH (E) BATHHOUSE STRUCTURE IN IT'S ENTIRETY
- 4 (E) TREE TO REMAIN - PROTECT DURING DEMO / CONSTRUCTION, COORD. W/ BUILDING DEMOLITION, COORD. W/ CIVIL / LANDSCAPE DRAWINGS
- 5 DEMOLISH (E) TRELLIS, COORDINATE W/ CIVIL / LANDSCAPE DRAWINGS
- 6 (E) TREE TO REMAIN, PROTECT DURING DEMO / CONSTRUCTION, COORDINATE W/ CIVIL / LANDSCAPE DRAWINGS
- 7 DEMOLISH (E) HARDSCAPE ASSOCIATED W/ (E) BUILDING TO BE DEMO'D, COORD. WITH CIVIL / LANDSCAPE DRAWINGS
- 8 DEMOLISH (E) PICNIC TABLE AND CONC. BASE, COORD. W/ CIVIL / LANDSCAPE DRAWINGS
- 9 (E) PATHWAY TO REMAIN, PROTECT DURING CONSTRUCTION
- 10 DEMOLISH (E) TREE / PLANTINGS - COORDINATE W/ LANDSCAPE DRAWINGS
- 11 REMOVE (E) PLAY EQUIPMENT, PROTECT, SAVE FOR REINSTALL THIS PROJECT. COORD W/ CIVIL / LANDSCAPE DRAWINGS
- 12 DEMOLISH (E) PARK BENCH, COORD W/ CIVIL / LANDSCAPE DRAWINGS
- 13 (E) PICNIC TABLE AND CONC. BASE TO REMAIN, COORD. W/ CIVIL / LANDSCAPE DRAWINGS
- 14 CONSTRUCTION FENCING - COORD W/ CIVIL / LANDSCAPE DRAWINGS

1 SITE-DEMO  
1" = 20'-0"



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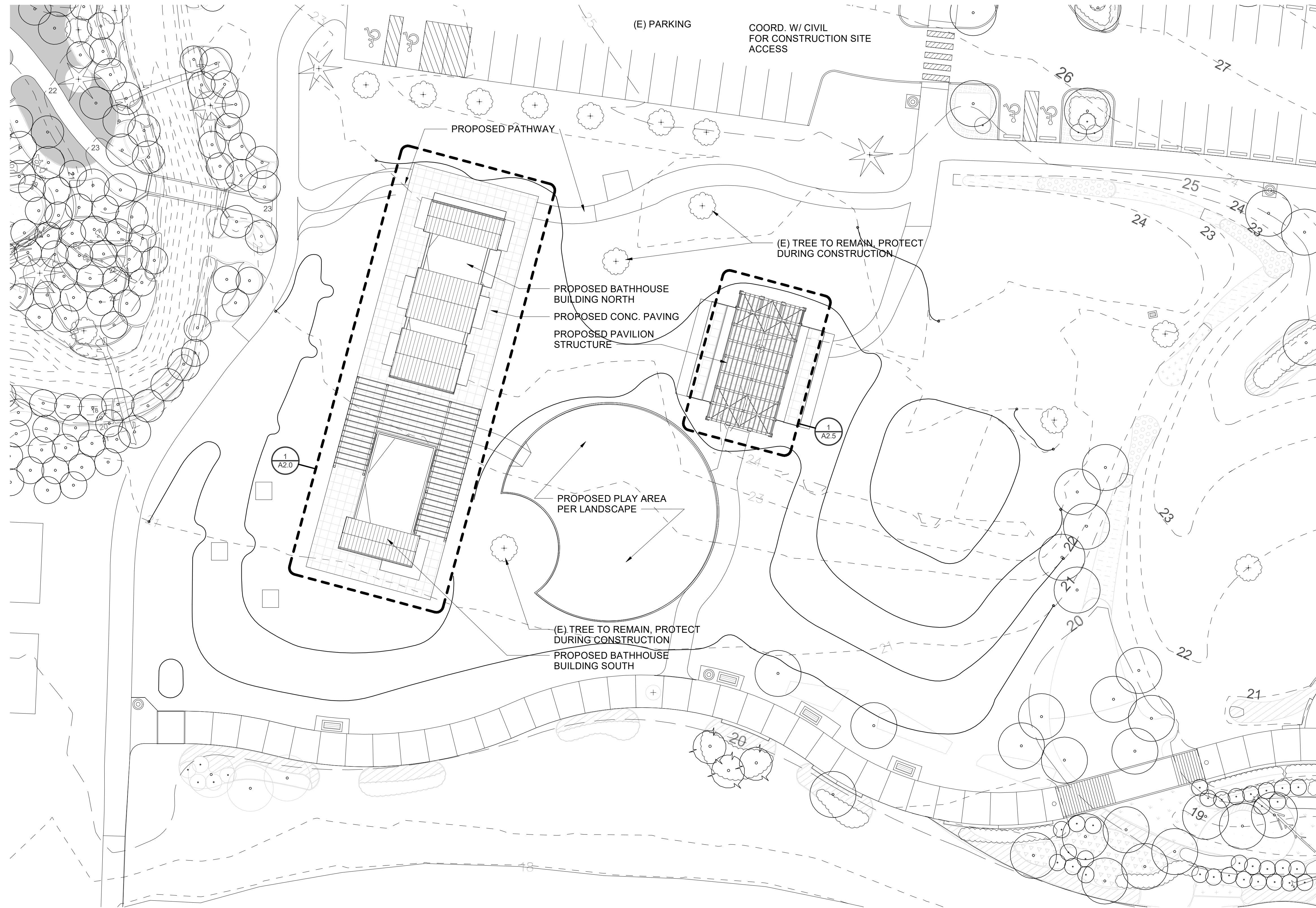


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SITE DEMOLITION PLAN

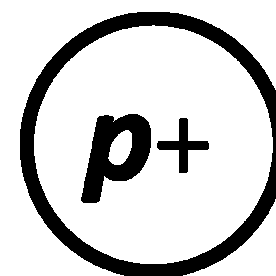
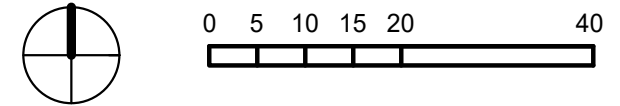
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**AD1.0**

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① SITE  
1" = 20'-0"



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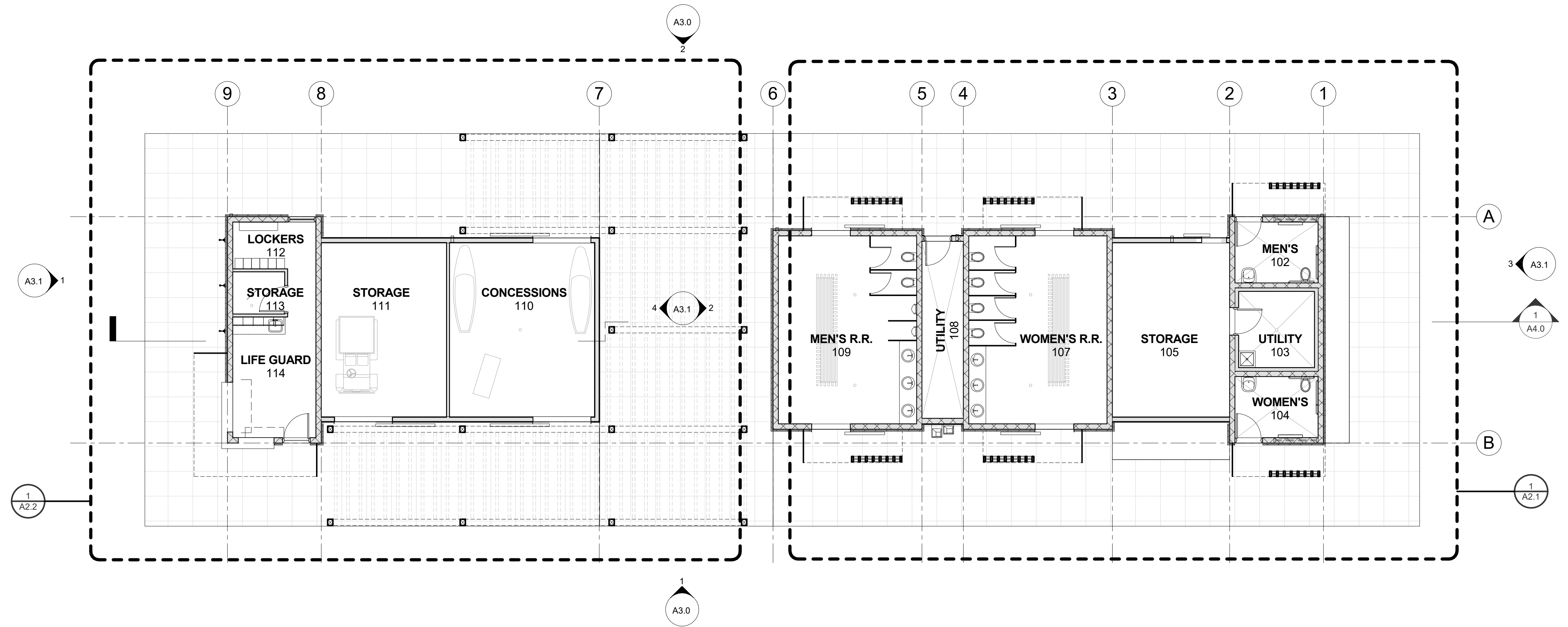
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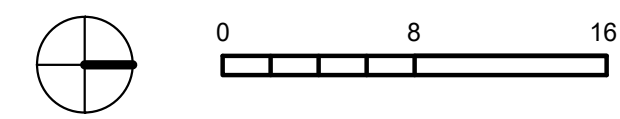
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SITE PLAN

SHEET  
A1.0

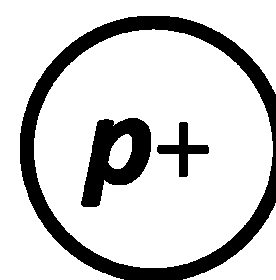
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1 BATHHOUSE - FLOOR PLAN  
1/8" = 1'-0"



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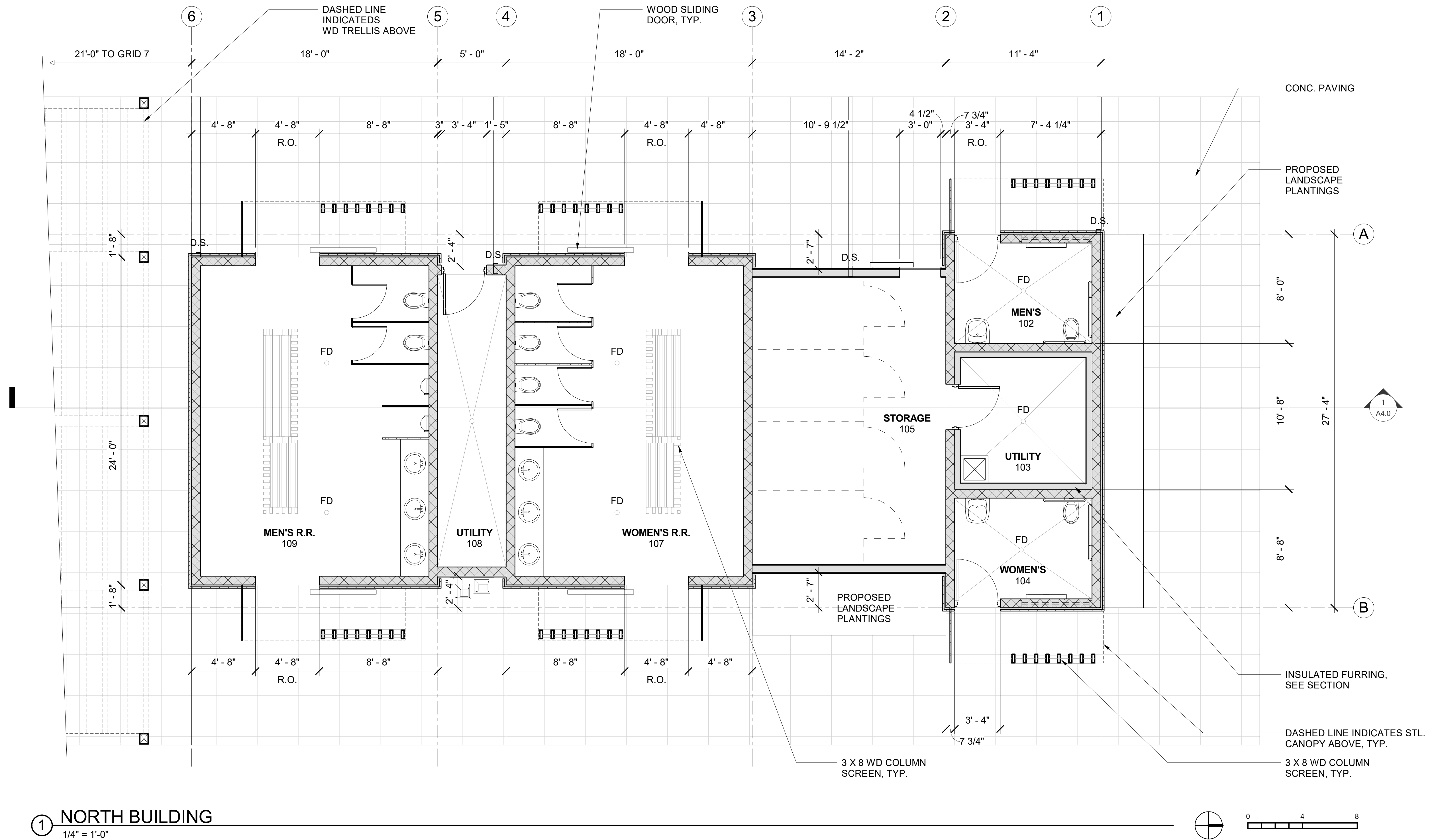
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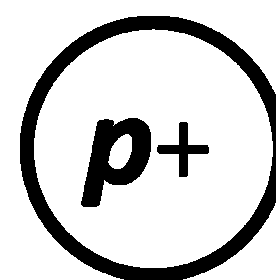


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OVERALL FLOOR PLAN

SHEET  
A2.0



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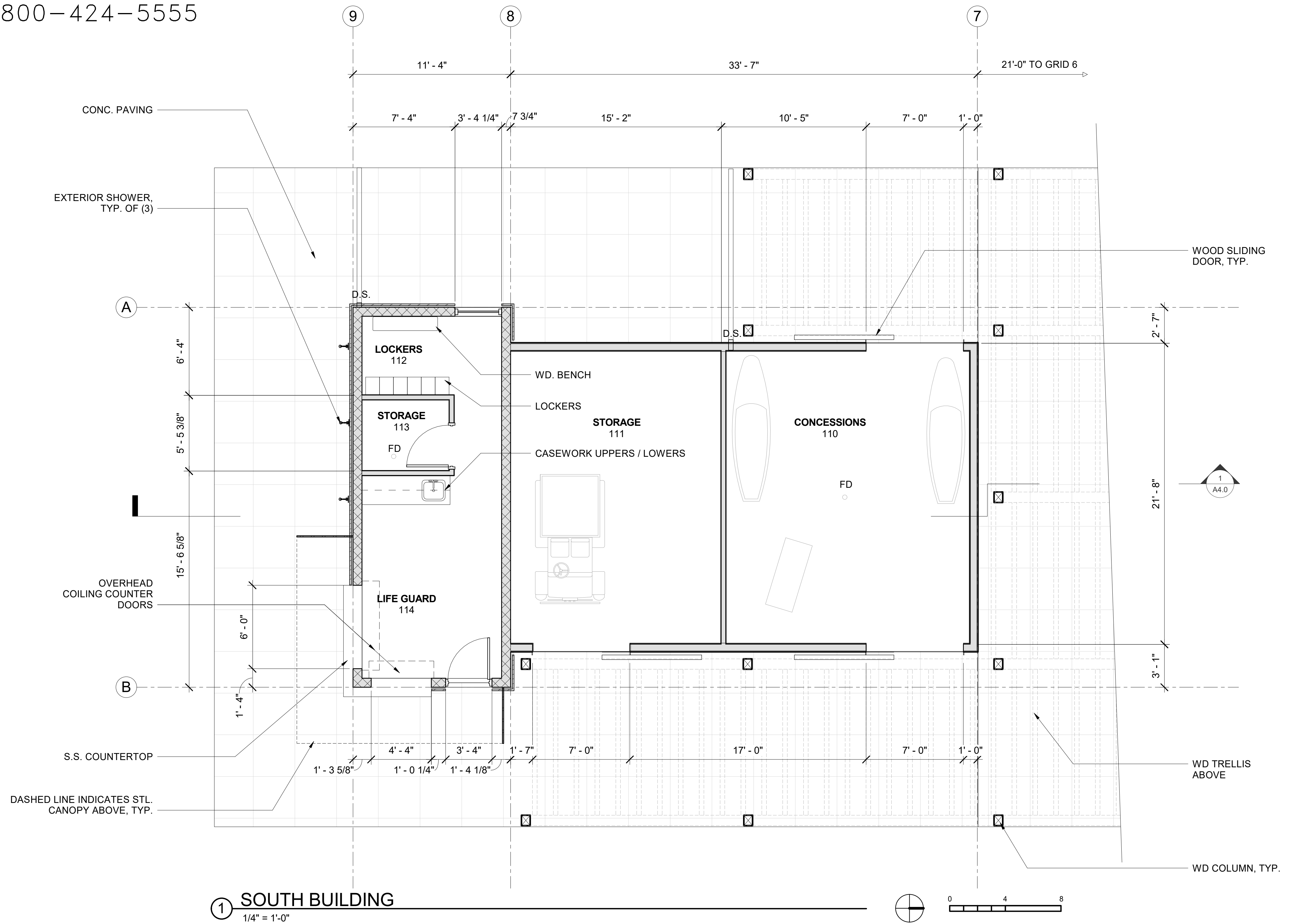
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ENLARGED FLOOR PLAN

SHEET

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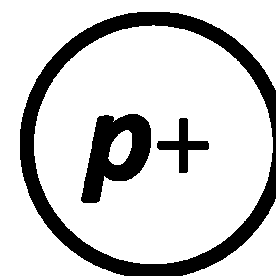


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① SOUTH BUILDING  
1/4" = 1'-0"

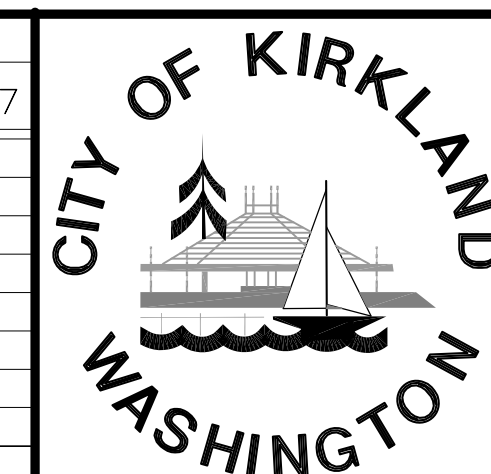
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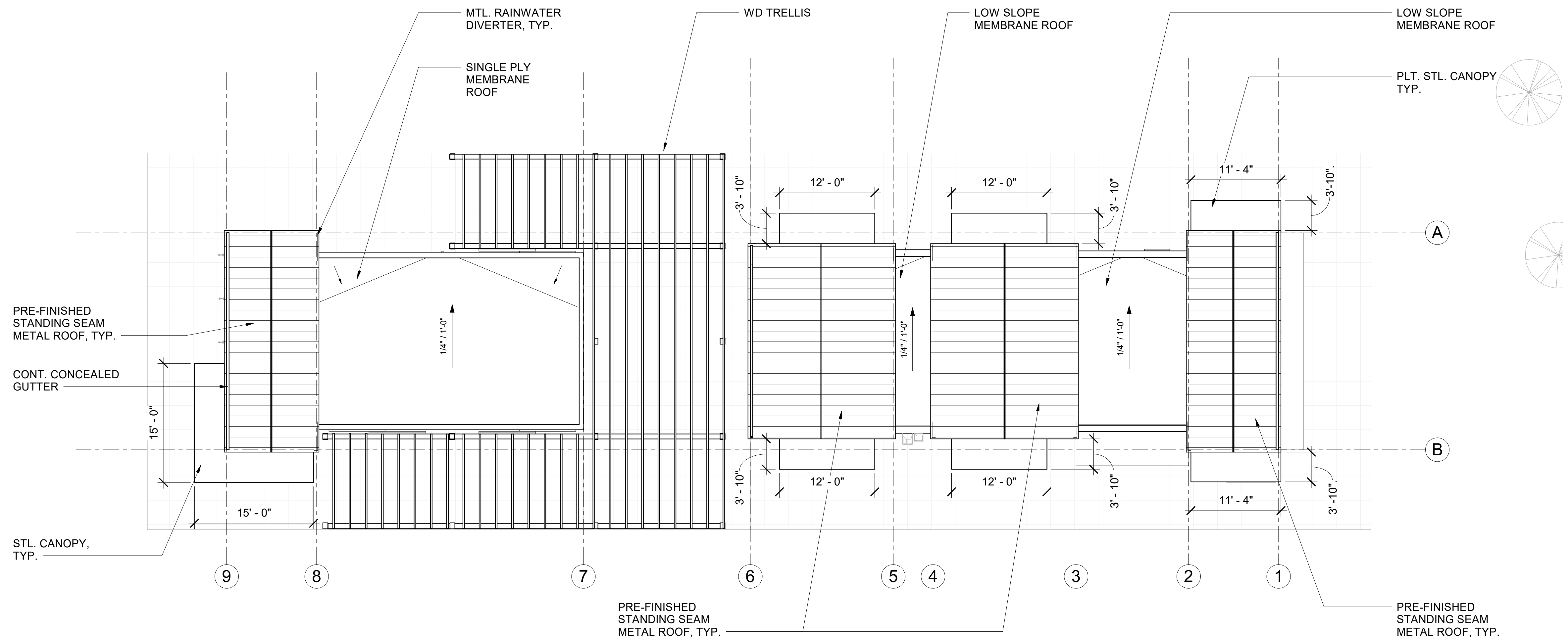
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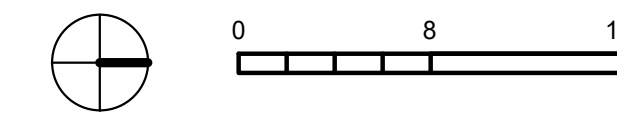
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BATHHOUSE REPLACEMENT  
ENLARGED FLOOR PLAN

SHEET

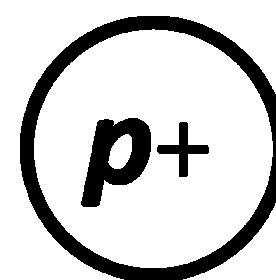
A2.2



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



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PATANO STUDIO ARCHITECTURE  
603 STEWART ST. SUITE 500  
SEATTLE, WA 98101

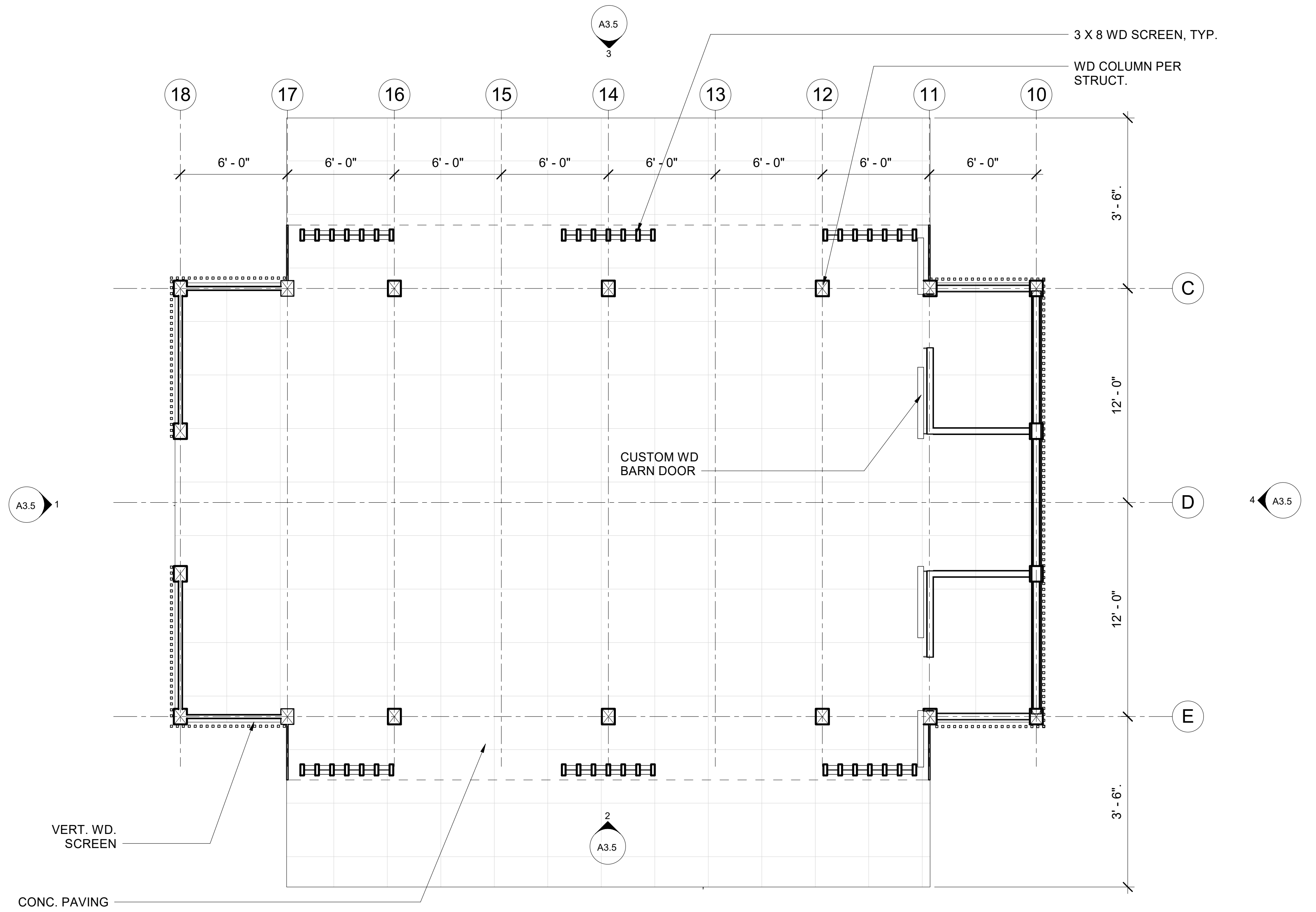
PRELIMINARY  
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FILE	ENGR.	REVIEW	SCALE	DATE
				4/20/2017
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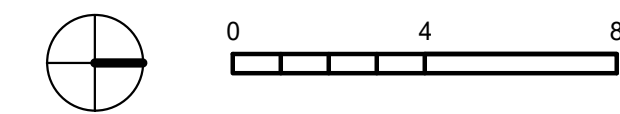


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BATHHOUSE REPLACEMENT  
ROOF PLAN

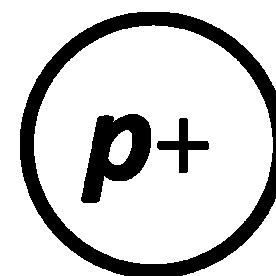
SHEET  
A2.3



① PAVILION - FLOOR PLAN  
1/4" = 1'-0"



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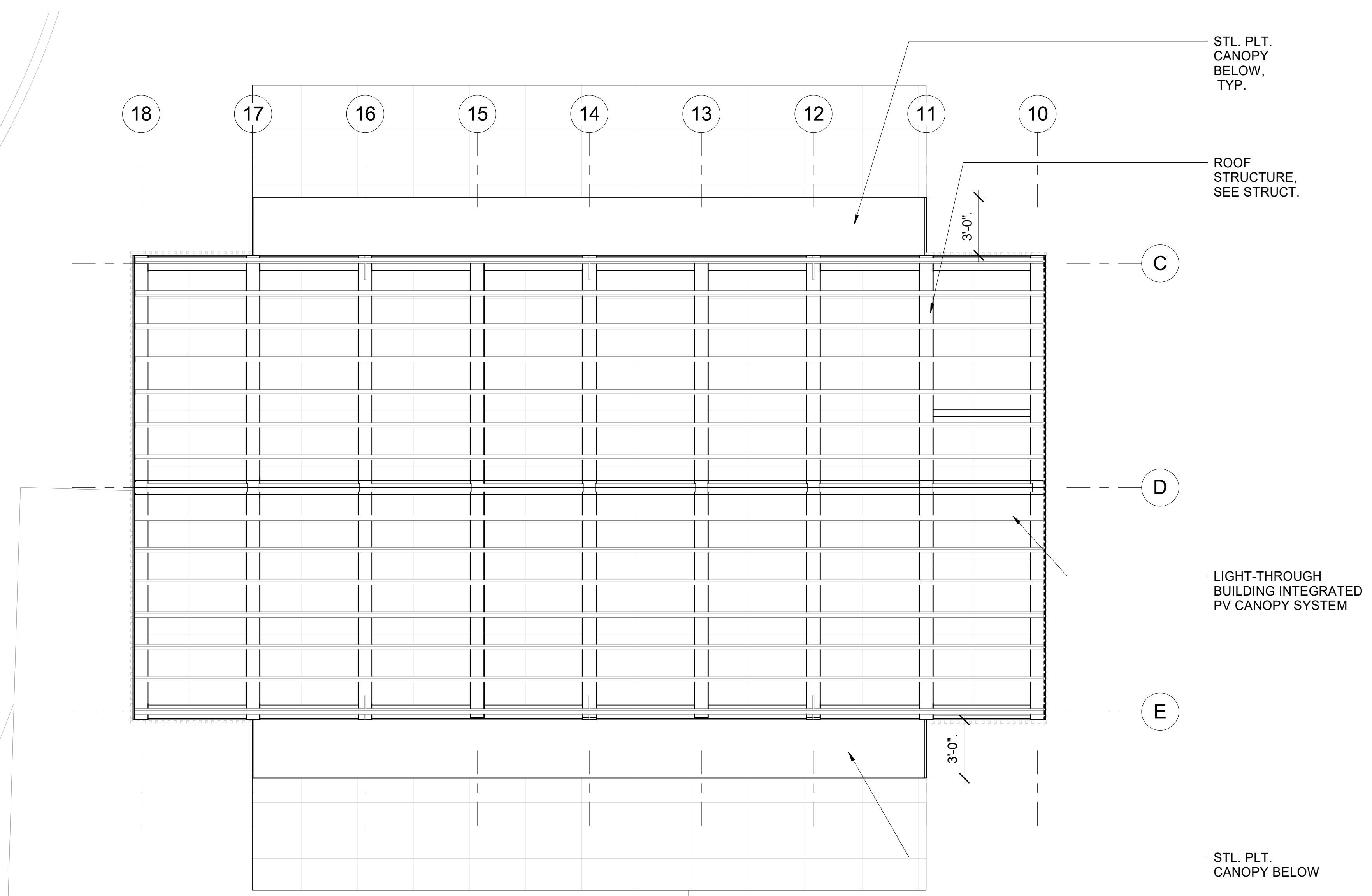
FILE	ENGR.	REVIEW	SCALE	DATE
				4/20/2017
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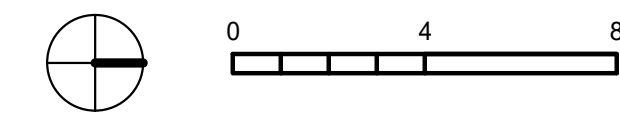
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CPK 0119 100  
JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
PAVILION FLOOR PLAN

SHEET  
A2.5

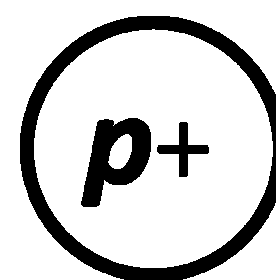
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① PAVILION - ROOF PLAN  
1/4" = 1'-0"



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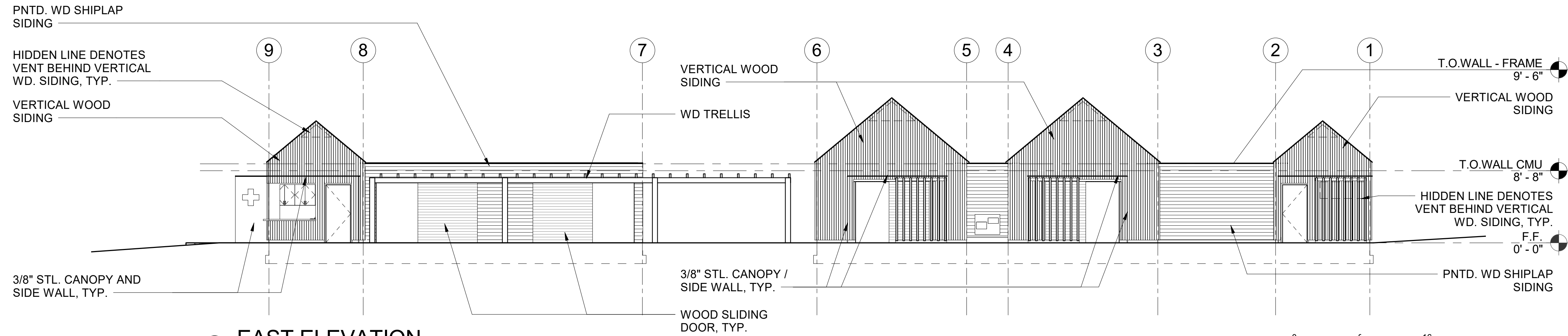
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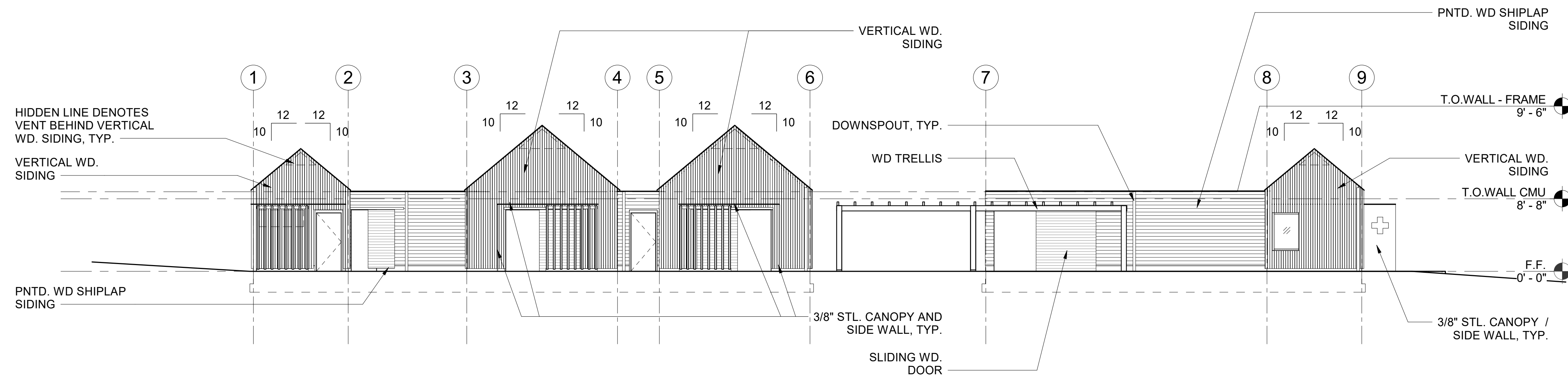
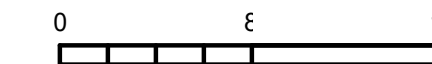
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CPK 0119 100  
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BATHHOUSE REPLACEMENT  
PAVILION ROOF PLAN

SHEET  
**A2.6**

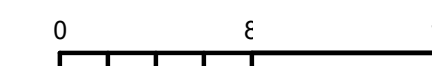
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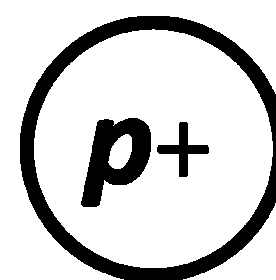
① EAST ELEVATION  
1/8" = 1'-0"



② WEST ELEVATION  
1/8" = 1'-0"



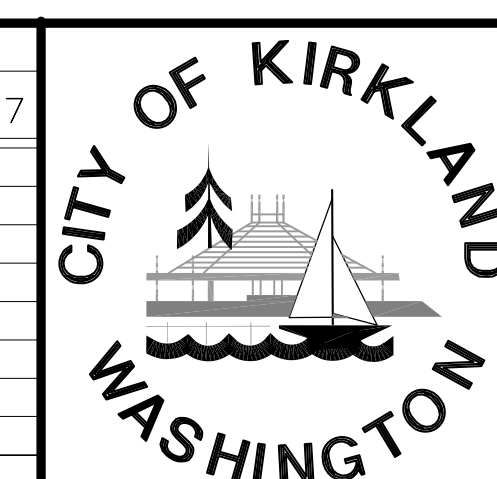
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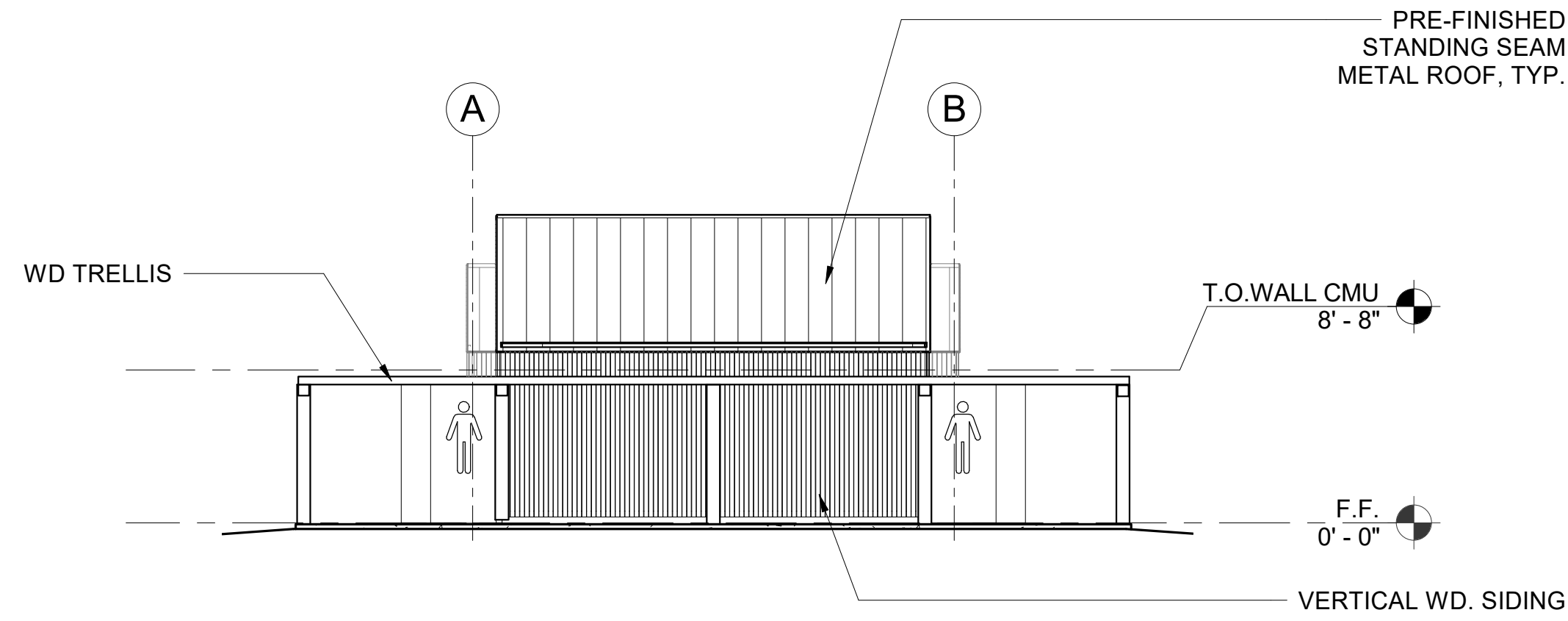
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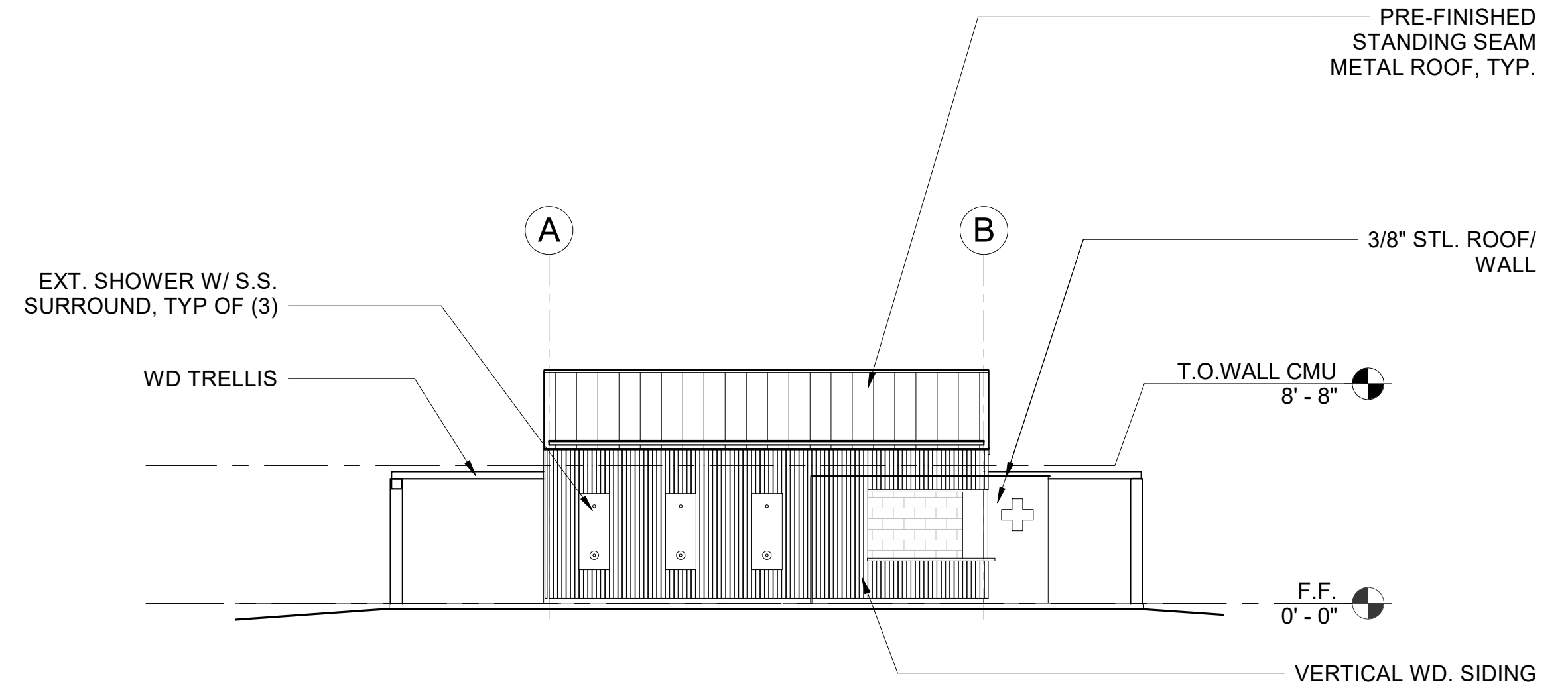
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JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
ELEVATIONS

SHEET

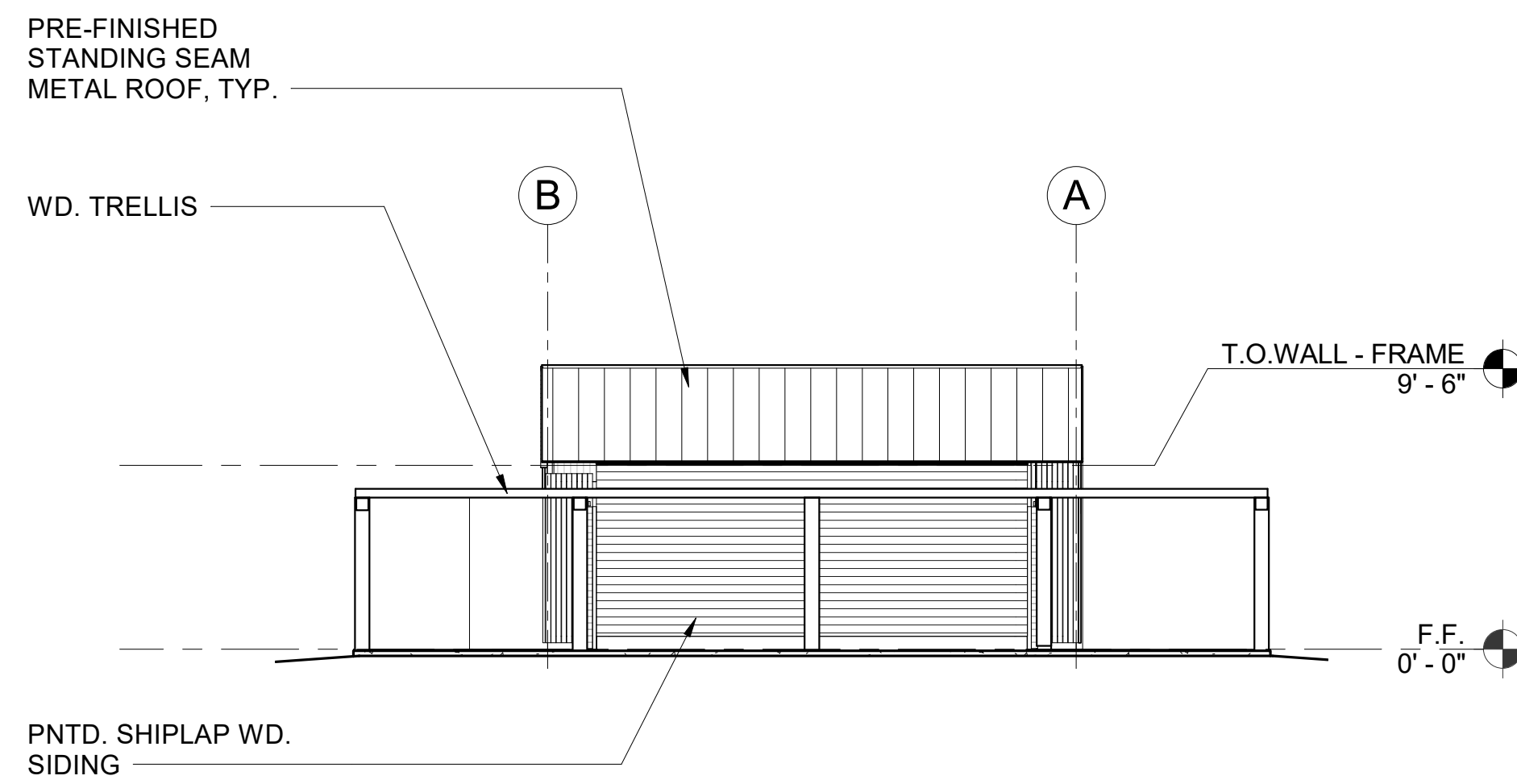
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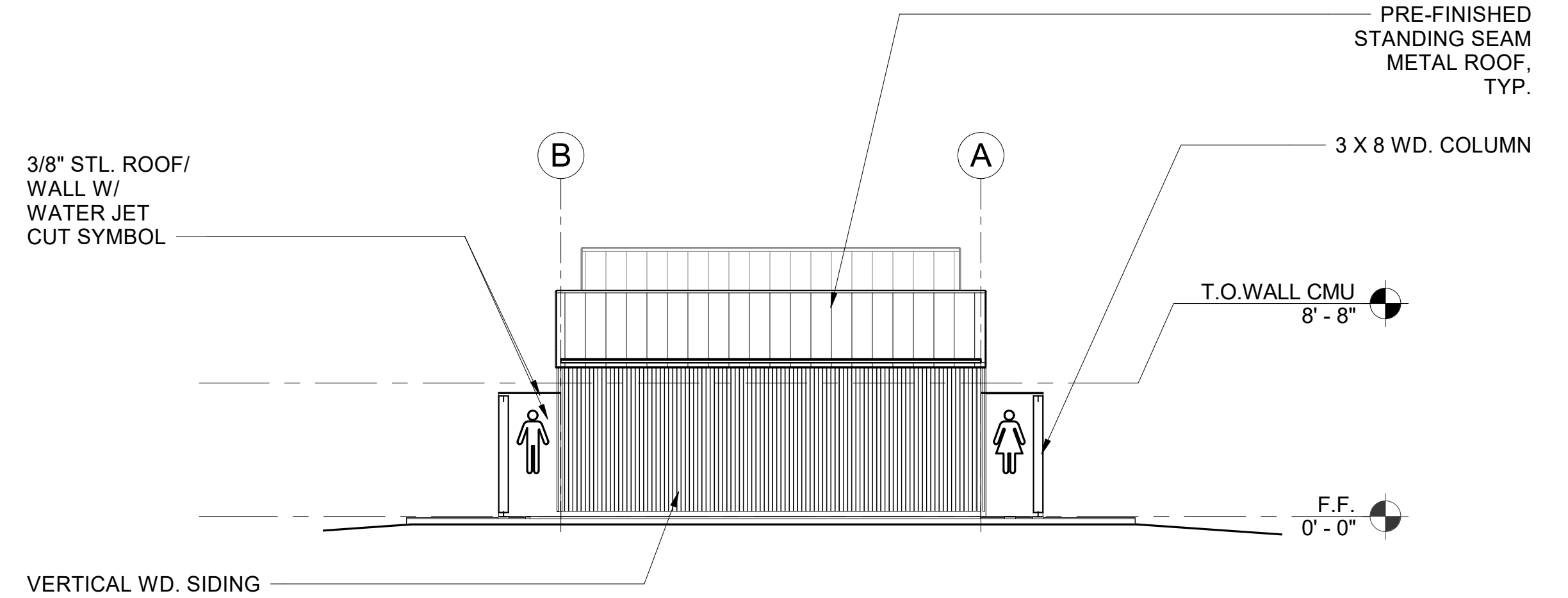
② NORTH BUILDING - SOUTH ELEVATION  
1/8" = 1'-0" 0 8 16



① SOUTH BUILDING - SOUTH ELEVATION  
1/8" = 1'-0" 0 8 16

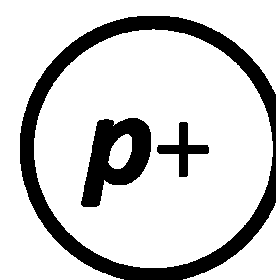


④ SOUTH BUILDING - NORTH ELEVATION  
1/8" = 1'-0" 0 8 16



③ NORTH BUILDING - NORTH ELEVATION  
1/8" = 1'-0" 0 8 16

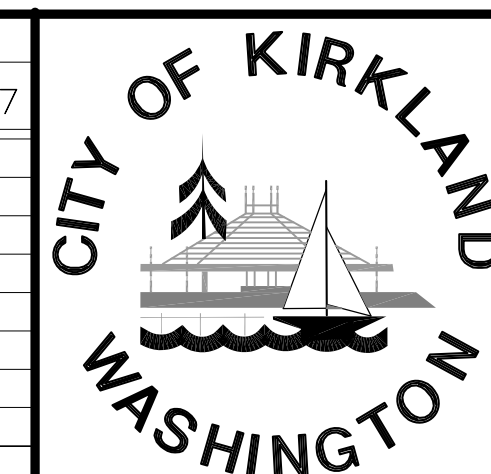
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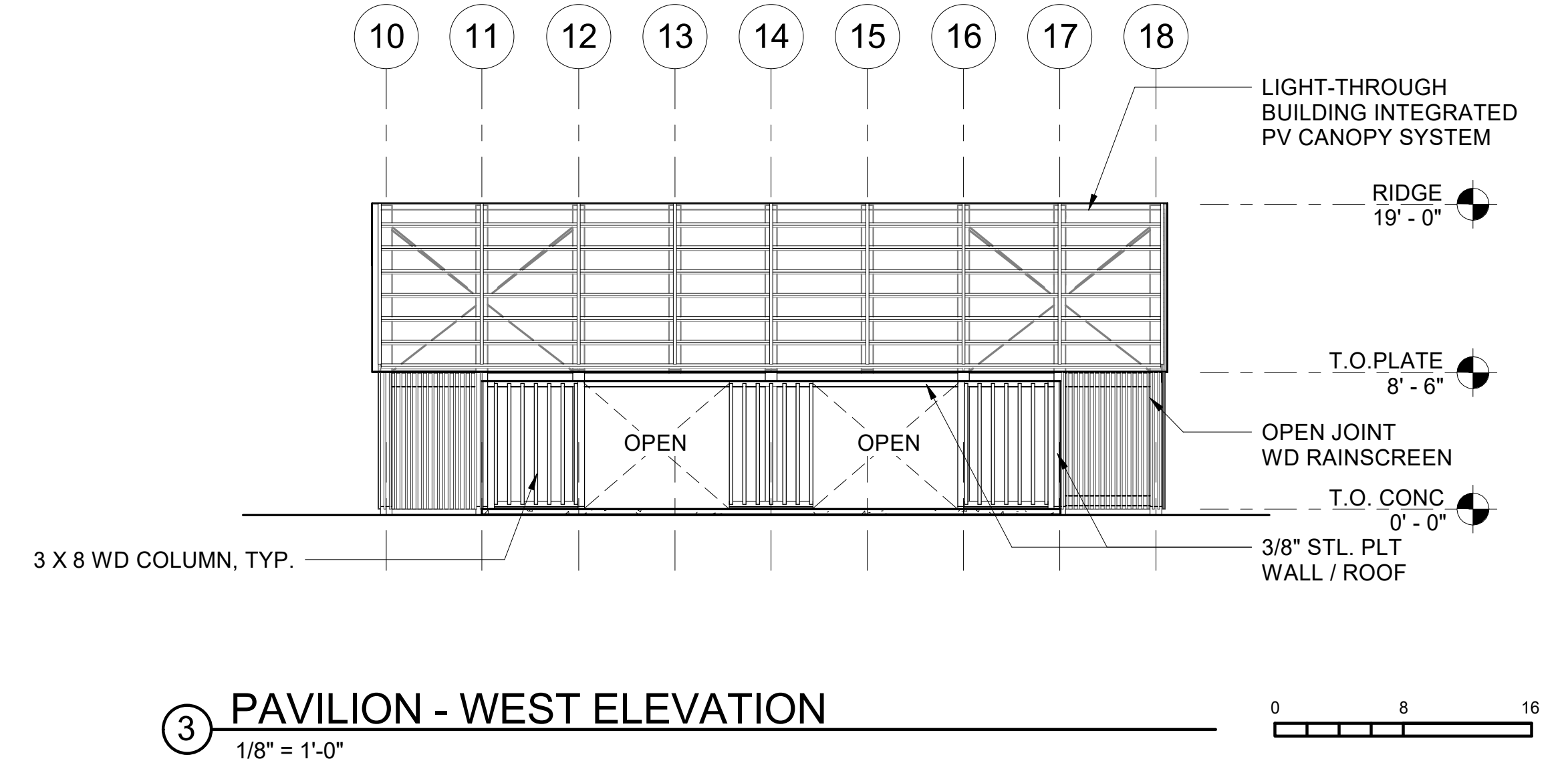
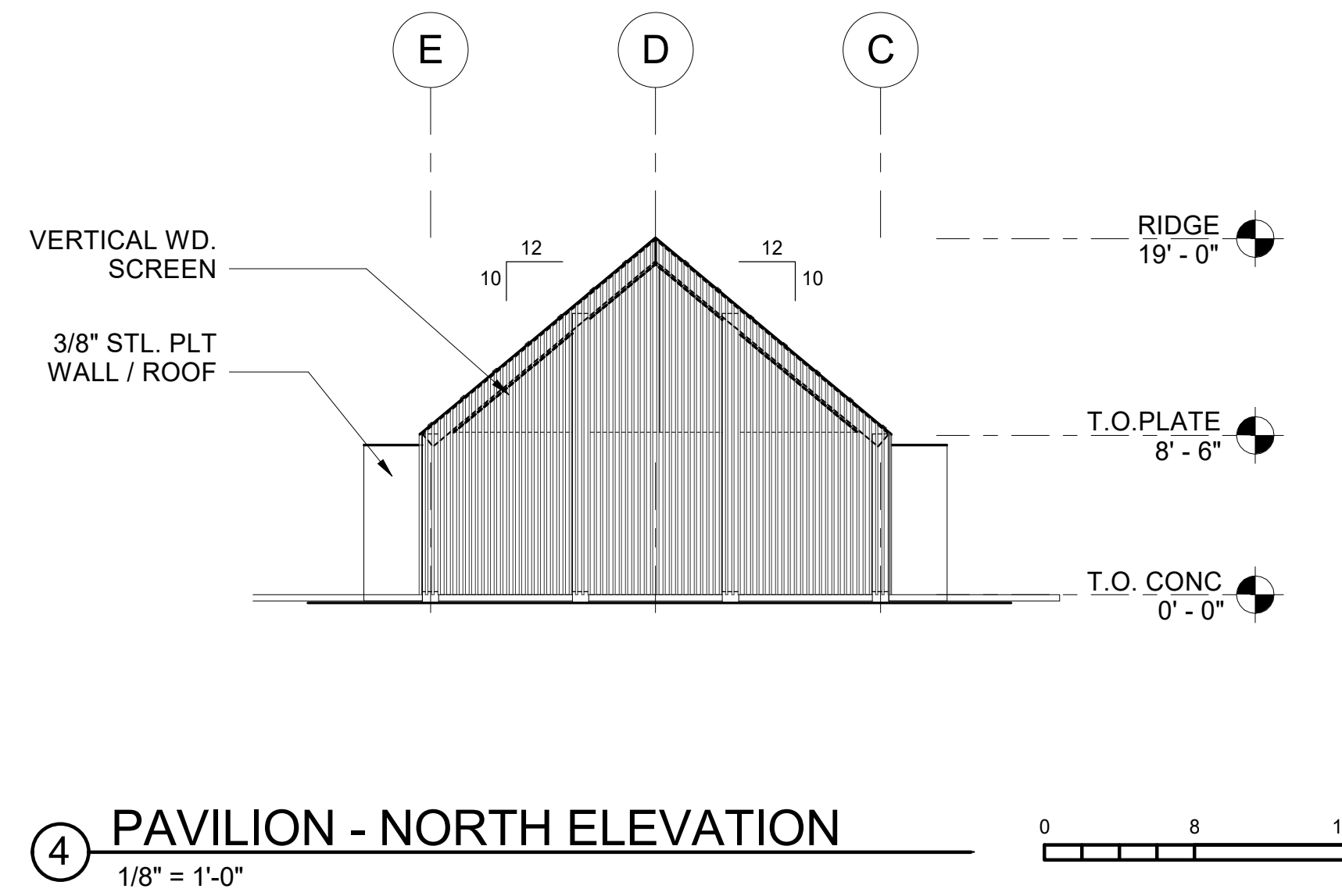
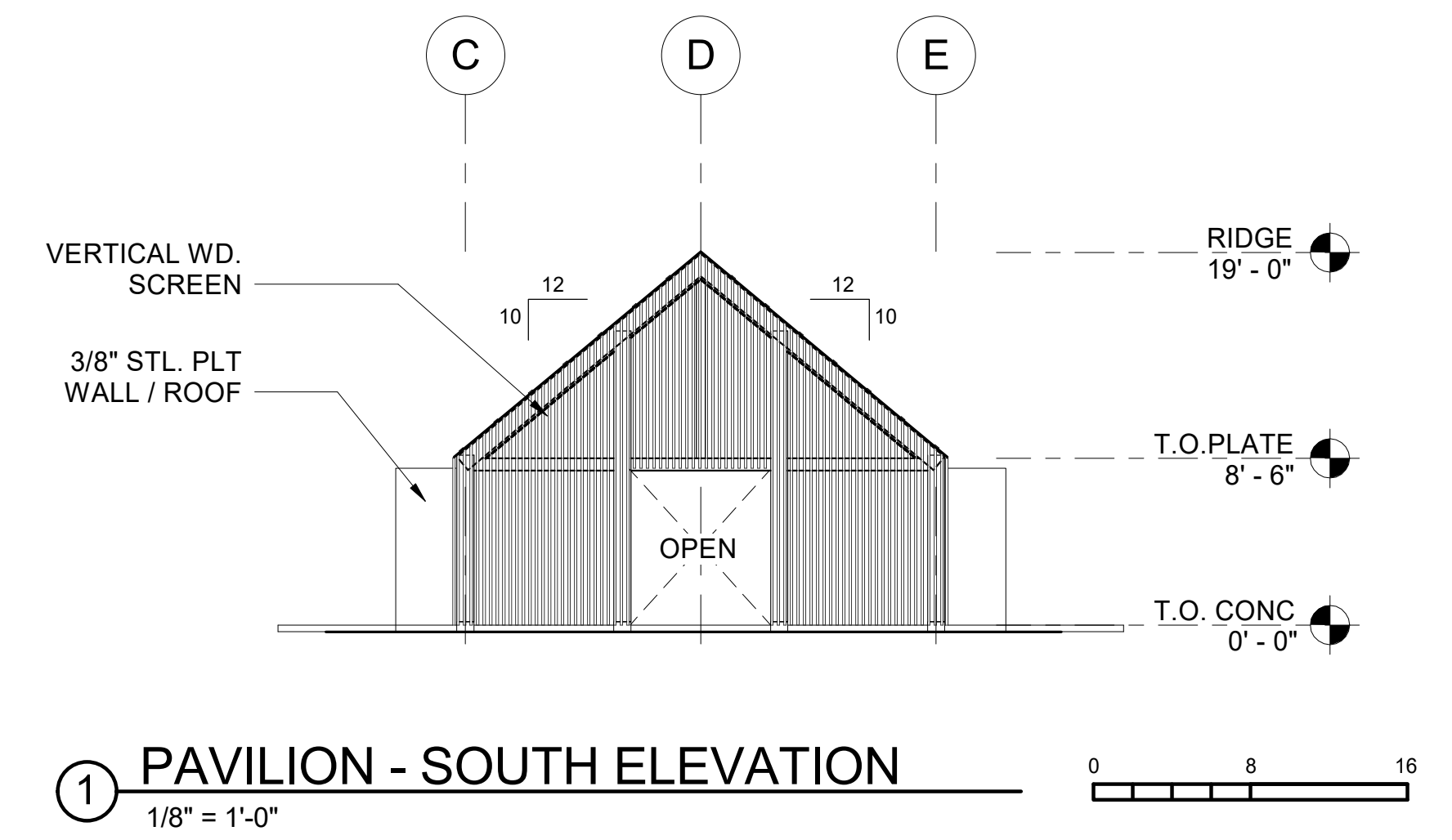
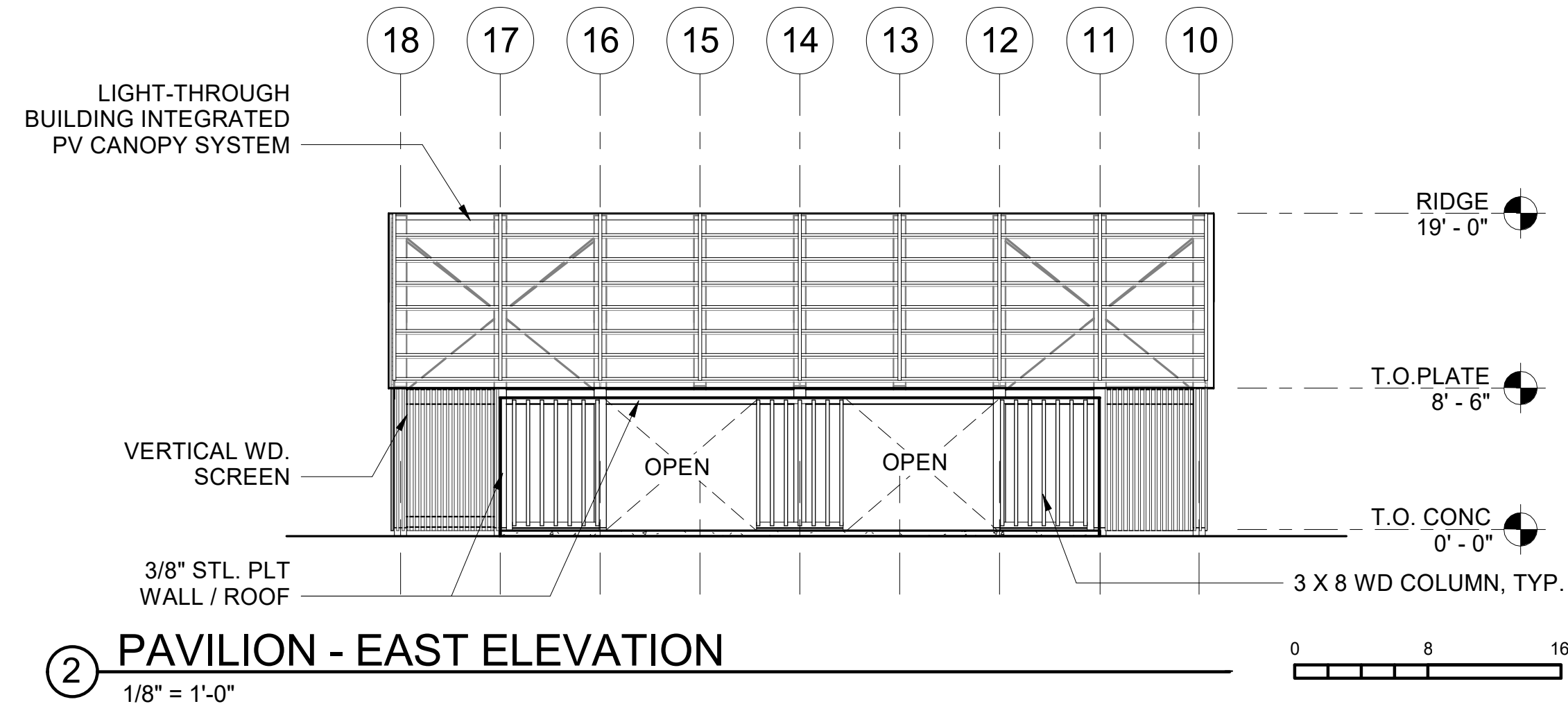
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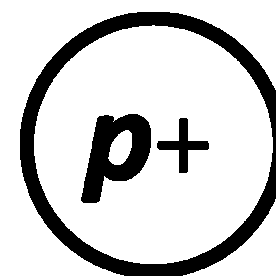
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JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
ELEVATIONS

SHEET

A3.1



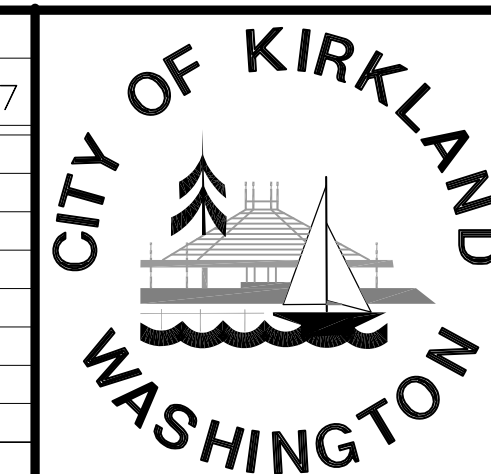
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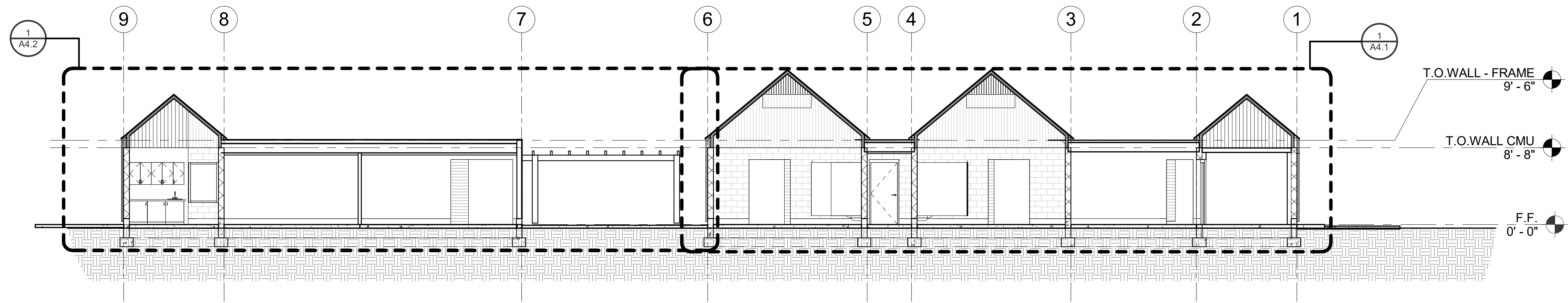


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PAVILION ELEVATIONS

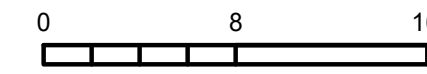
SHEET

A3.5

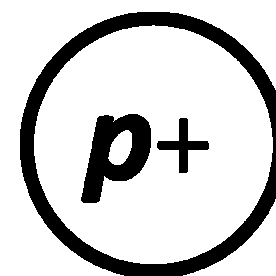
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① SECTION  
1/8" = 1'-0"



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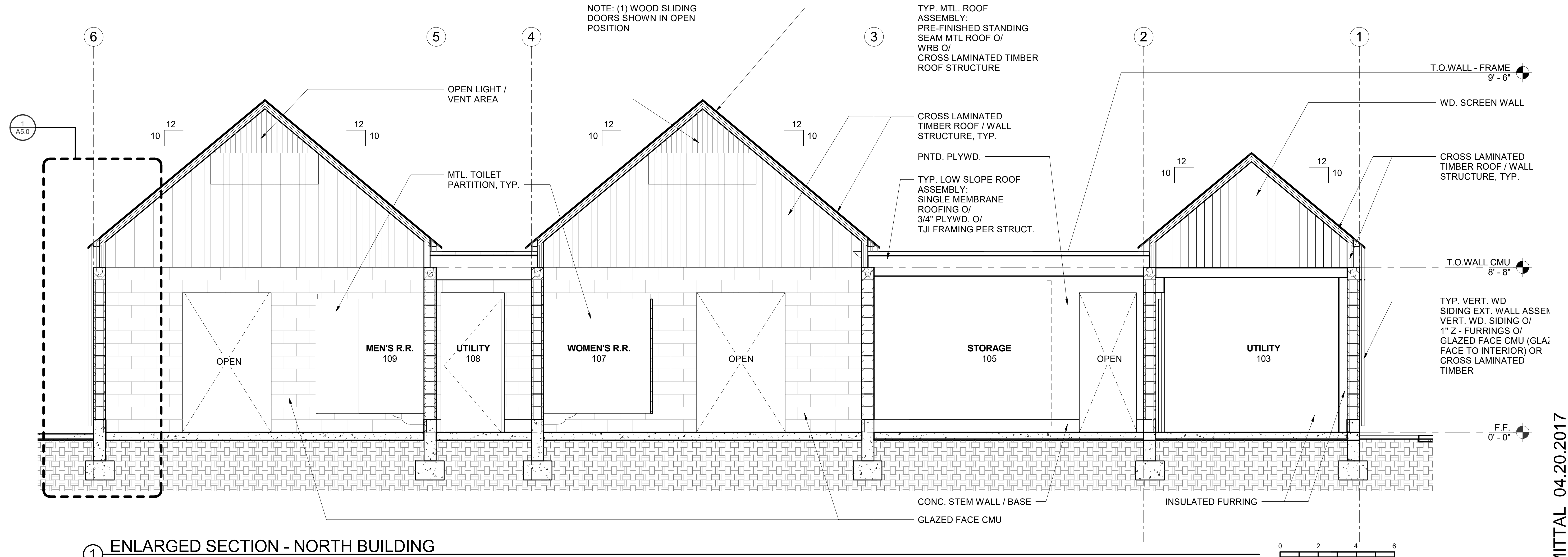
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CPK 0119 100  
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BATHHOUSE REPLACEMENT  
OVERALL SECTION

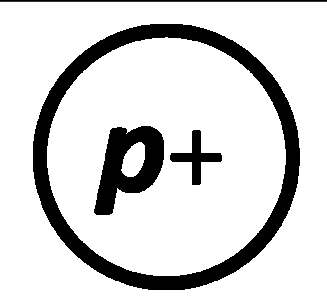
SHEET  
**A4.0**





1 ENLARGED SECTION - NORTH BUILDING  
3/8" = 1'-0"

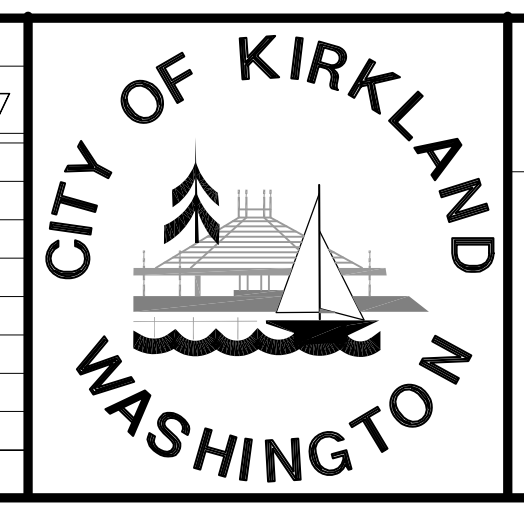
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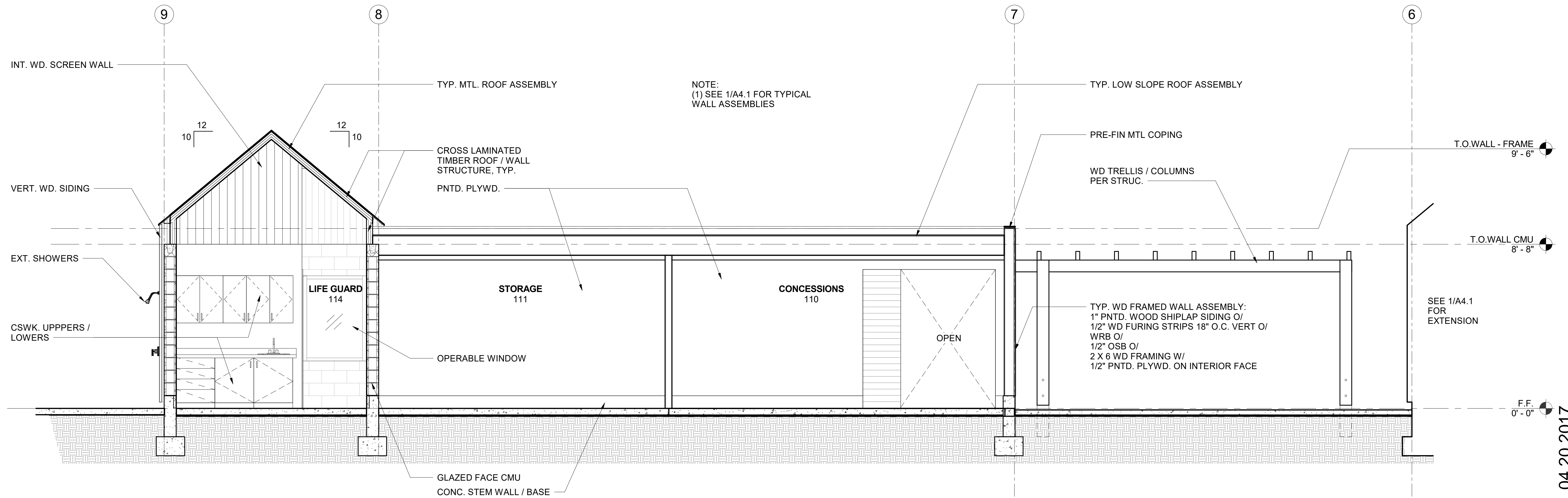
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BATHHOUSE REPLACEMENT  
SECTION

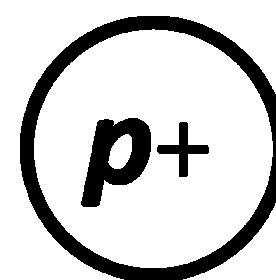
SHEET  
A4.1



① ENLARGED SECTION - SOUTH BUILDING  
3/8" = 1'-0"



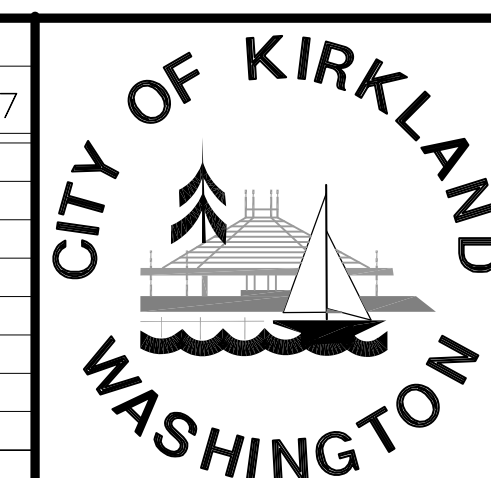
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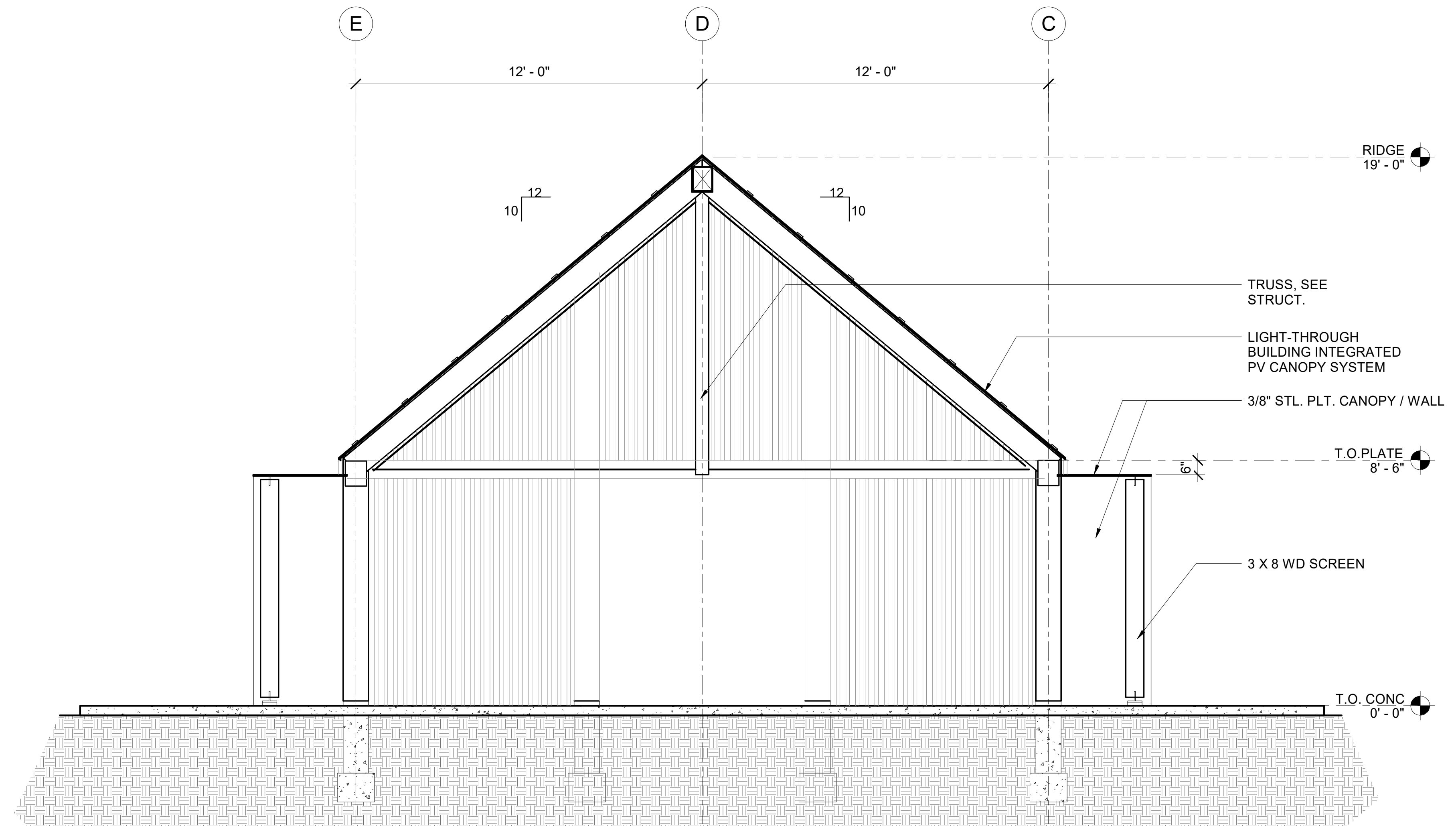
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SECTION

SHEET

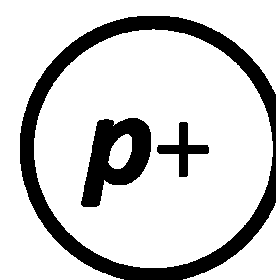
A4.2



① ENLARGED SECTION - PAVILION  
3/8" = 1'-0"



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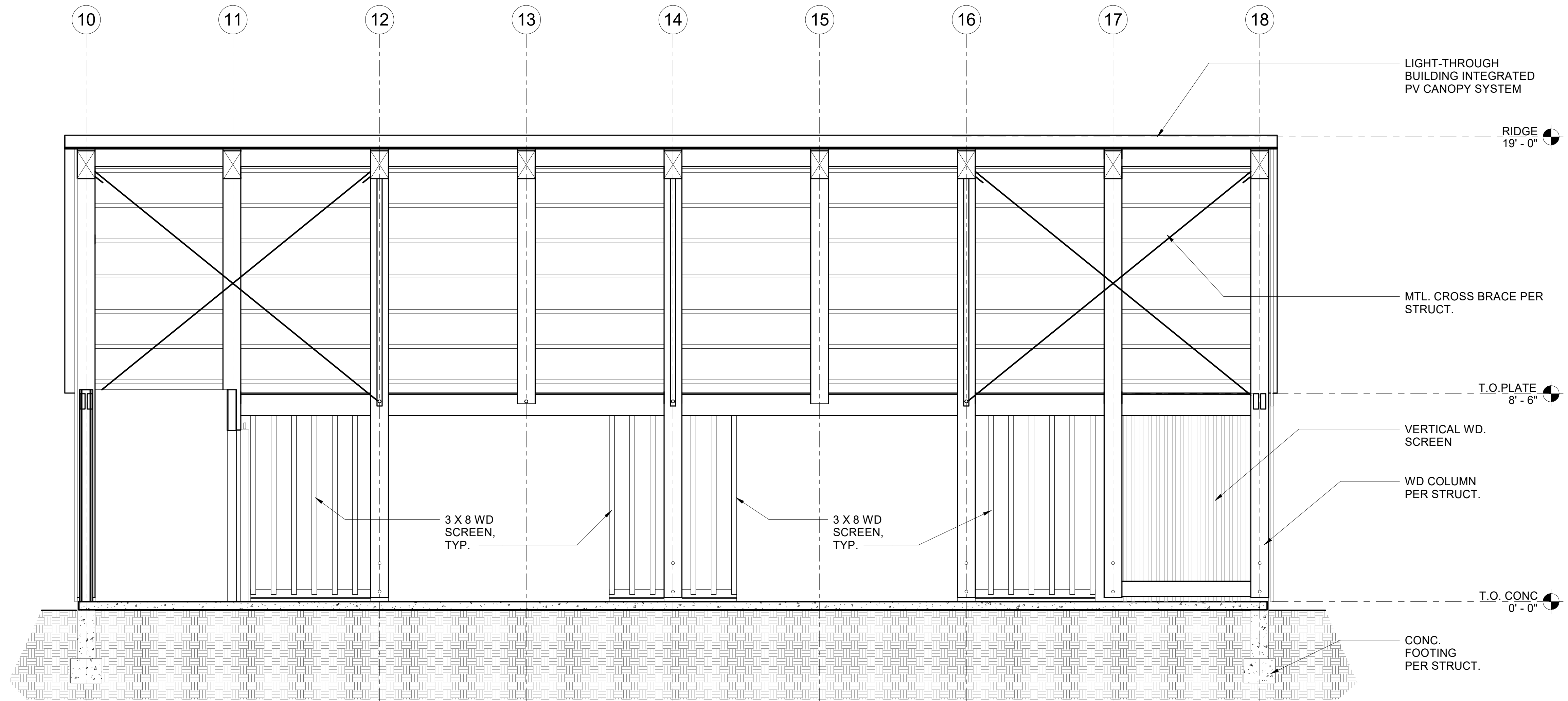
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BATHHOUSE REPLACEMENT  
PAVILION SECTION

SHEET

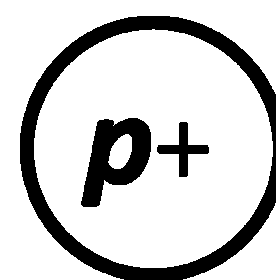
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1 ENLARGED SECTION - PAVILION  
3/8" = 1'-0"



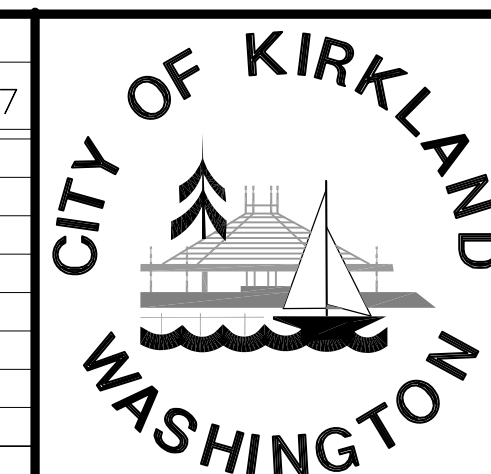
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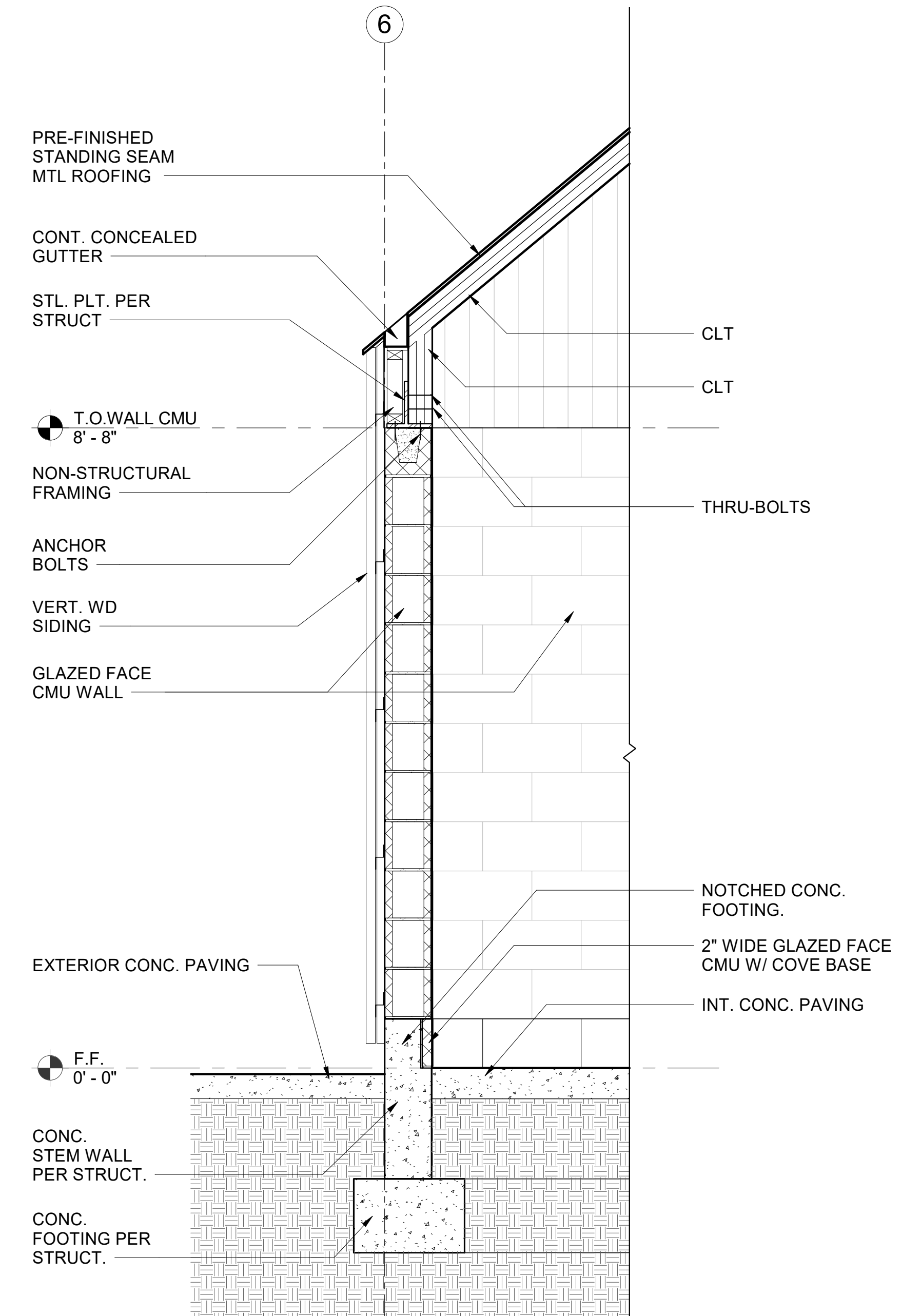
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NO.	REVISION	BY	REVIEW	DATE



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PAVILLION SECTION

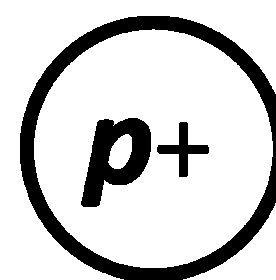
SHEET

A4.6



① WALL SECTION - TYPICAL  
3/4" = 1'-0"

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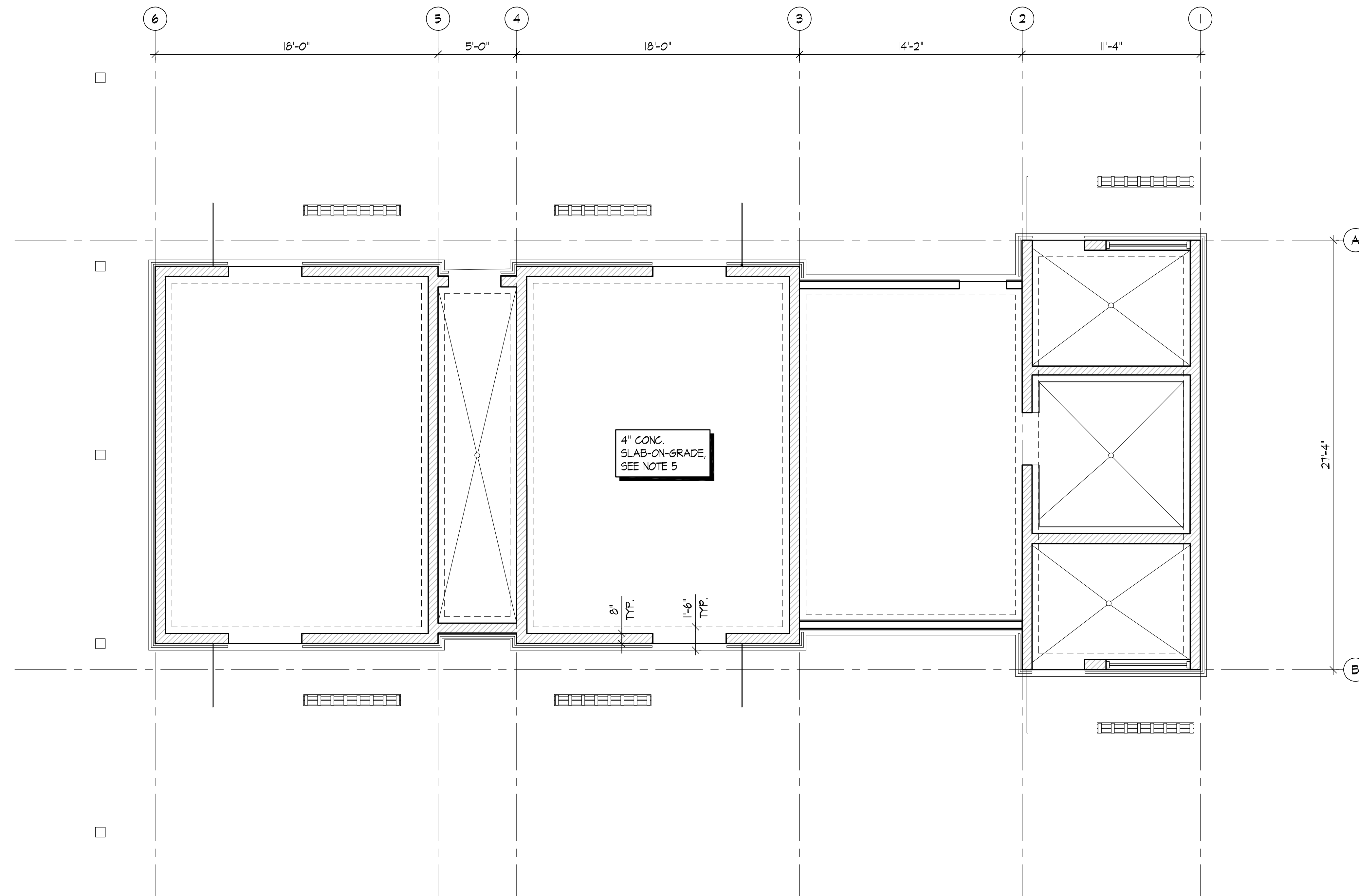
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WALL SECTIONS

SHEET  
A5.0

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**FOUNDATION PLAN NOTES:**

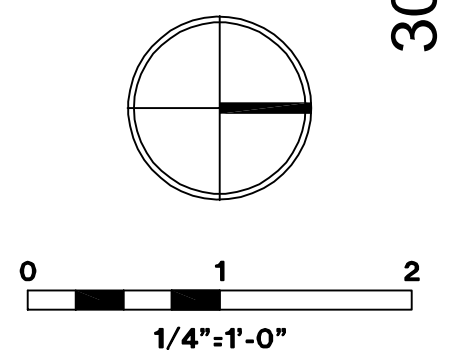
1. ALL DIMENSIONS AND ELEVATIONS ON THE STRUCTURAL PLANS ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND MANUFACTURER'S DRAWINGS BEFORE CONSTRUCTION BEGINS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.
2. THE GEOTECHNICAL ENGINEER SHALL REVIEW THE FOUNDATION PLAN BEFORE CONSTRUCTION TO VERIFY COMPLIANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. THE GEOTECHNICAL ENGINEER SHALL INSPECT THE SUBGRADE BEFORE REINFORCEMENT PLACEMENT TO VERIFY THE SOIL CONDITION.
3. FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS SEE SHEETS S1.0 TO S11.
4. FOR TYPICAL CONCRETE FOUNDATION DETAILS SEE SHEETS S3.0 TO S3.1.
5. SLAB-ON-GRADE SHALL BE 4" THICK CONCRETE REINFORCED WITH #4 @ 16" O.C. EACH WAY, U.O.N. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SUB-GRADE MOISTURE BARRIER AND ELEVATIONS, ETC.
6. FOR SLAB-ON-GRADE JOINTS, SEE DETAIL 5/S3.0.
7. FOR SLAB STEPS, SLOPES AND FLOOR DRAINS SEE ARCHITECTURAL DRAWINGS.
8. PROJECT TOP OF SLAB (T.O.S.) ELEVATION IS 0'-0". SEE ARCHITECTURAL DRAWINGS FOR ABSOLUTE T.O.S. ELEVATION. TYPICAL TOP OF INTERIOR FOOTING ELEVATION = -1'-0" U.O.N. TYPICAL TOP OF EXTERIOR FOOTING ELEVATIONS = -1'-0" U.O.N.

**FOUNDATION PLAN LEGEND:**

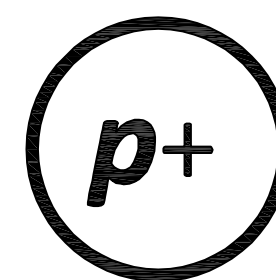
- INDICATES 8" CMU WALL WITH CONCRETE STEM WALL BELOW. SEE GENERAL NOTES AND DETAILS FOR REINFORCING REQUIREMENTS
- INDICATES SPREAD FOOTING SEE \_/S.\_ FOR SCHEDULE
- INDICATES FOOTING
- INDICATES CONCRETE STEM WALL ABOVE
- INDICATES 2x6 @ 16" O.C. WOOD STUD WALL, w/ CONCRETE STEM WALL BELOW

**FOUNDATION PLAN - NORTH BUILDING**

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

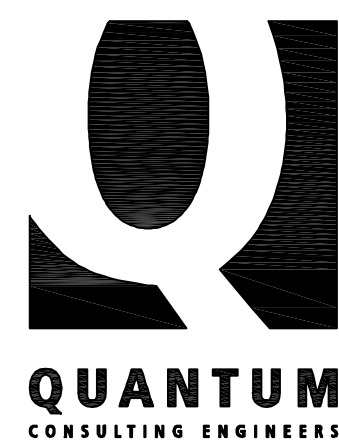


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1511 THIRD AVENUE  
SUITE 323  
SEATTLE, WA 98101  
TEL 206.957.3900  
FAX 206.957.3901  
www.quantumce.com

**Progress Set**  
**Apr. 20, 2017**  
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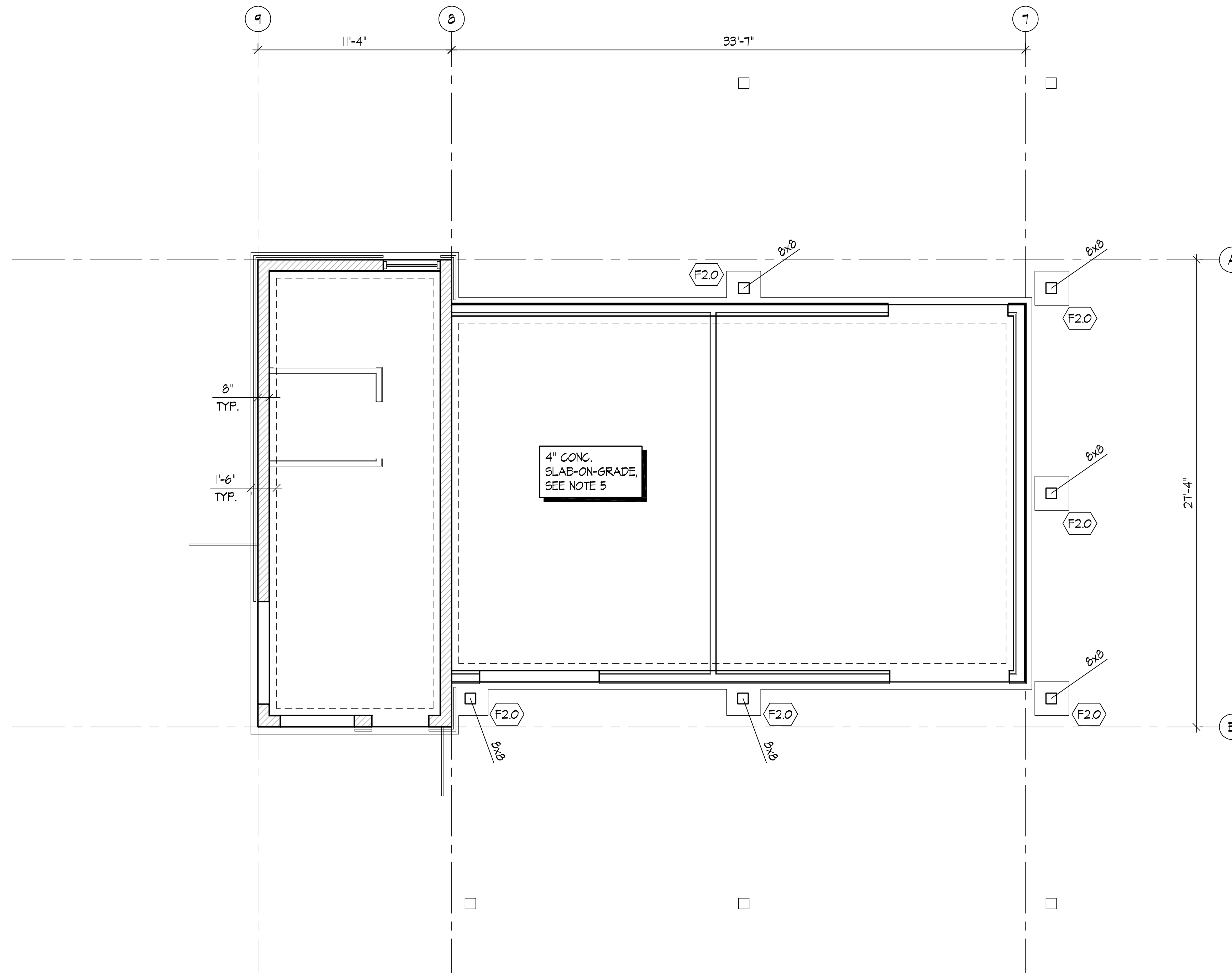
FILE	ENGR.	REVIEW	SCALE	DATE
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BATHHOUSE REPLACEMENT  
FOUNDATION PLAN

SHEET

S2.0



**FOUNDATION PLAN NOTES:**

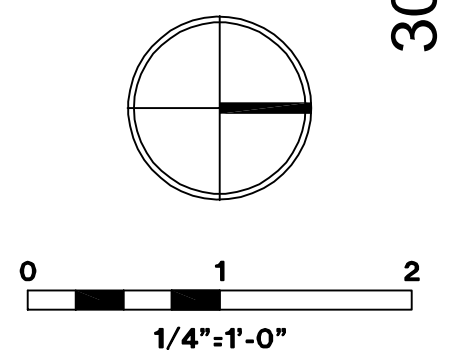
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2. THE GEOTECHNICAL ENGINEER SHALL REVIEW THE FOUNDATION PLAN BEFORE CONSTRUCTION TO VERIFY COMPLIANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. THE GEOTECHNICAL ENGINEER SHALL INSPECT THE SUBGRADE BEFORE REINFORCEMENT PLACEMENT TO VERIFY THE SOIL CONDITION.
3. FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS SEE SHEETS S1.0 TO S11.
4. FOR TYPICAL CONCRETE FOUNDATION DETAILS SEE SHEETS S3.0 TO S3.1.
5. SLAB-ON-GRADE SHALL BE 4" THICK CONCRETE REINFORCED WITH #4 @ 16" O.C. EACH WAY, U.O.N. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SUB-GRADE MOISTURE BARRIER AND ELEVATIONS, ETC.
6. FOR SLAB-ON-GRADE JOINTS, SEE DETAIL 5/S3.0.
7. FOR SLAB STEPS, SLOPES AND FLOOR DRAINS SEE ARCHITECTURAL DRAWINGS.
8. PROJECT TOP OF SLAB (T.O.S.) ELEVATION IS 0'-0". SEE ARCHITECTURAL DRAWINGS FOR ABSOLUTE T.O.S. ELEVATION. TYPICAL TOP OF INTERIOR FOOTING ELEVATION = -1'-0" U.O.N. TYPICAL TOP OF EXTERIOR FOOTING ELEVATIONS = -1'-0" U.O.N.

**FOUNDATION PLAN LEGEND:**

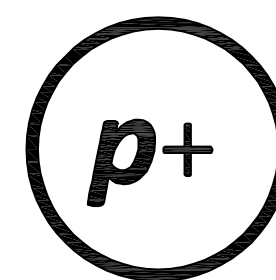
- INDICATES 8" CMU WALL WITH CONCRETE STEM WALL BELOW. SEE GENERAL NOTES AND DETAILS FOR REINFORCING REQUIREMENTS
- INDICATES SPREAD FOOTING SEE \_/S.\_ FOR SCHEDULE
- INDICATES FOOTING
- INDICATES CONCRETE STEM WALL ABOVE
- INDICATES 2x6 @ 16" O.C. WOOD STUD WALL, w/ CONCRETE STEM WALL BELOW

**FOUNDATION PLAN - SOUTH BUILDING**

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



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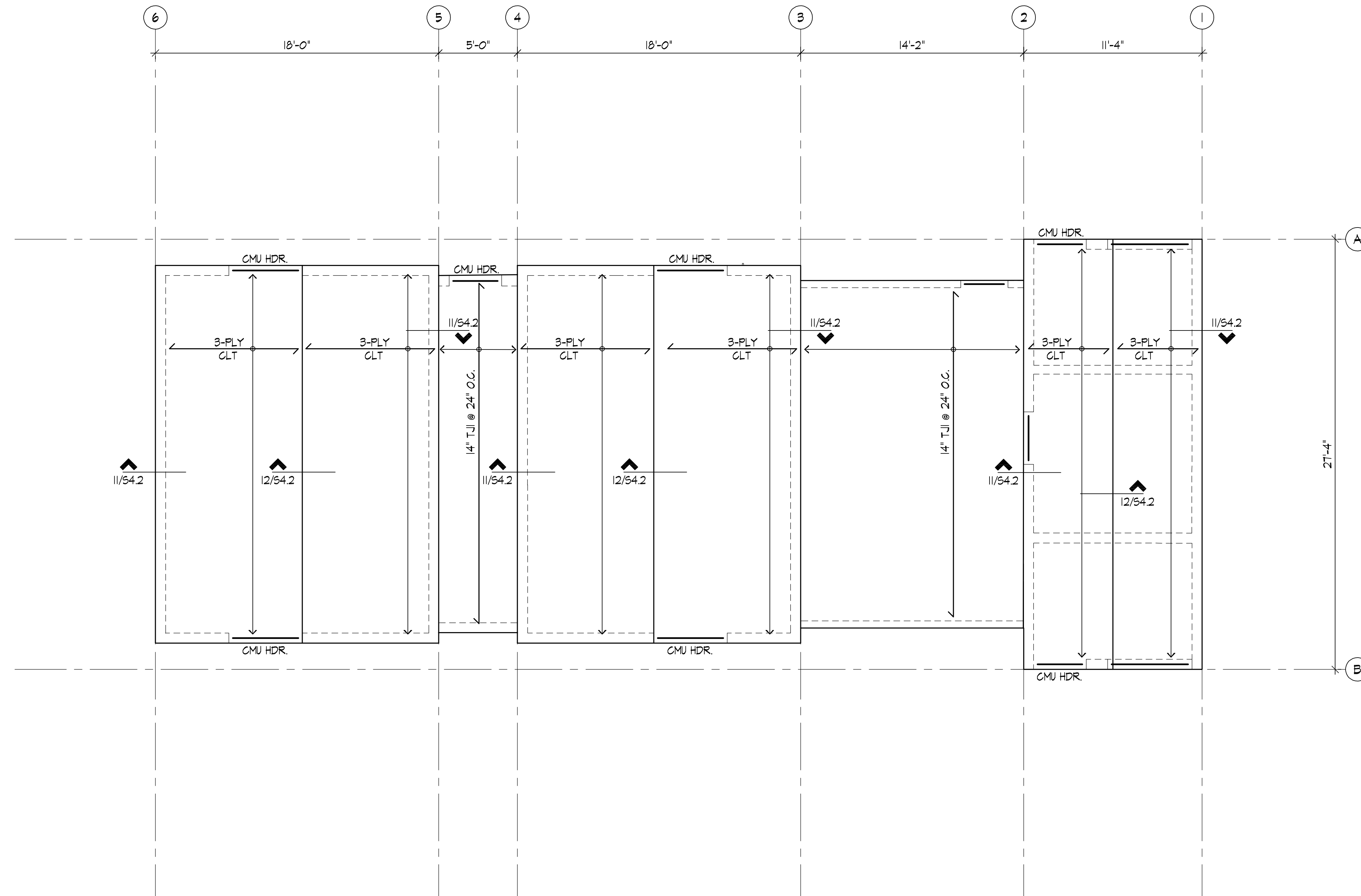


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FOUNDATION PLAN

SHEET

S2.1

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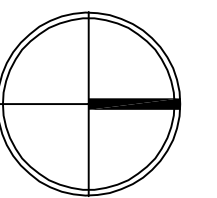


**ROOF FRAMING NOTES:**

1. ALL DIMENSIONS AND ELEVATIONS ON THE STRUCTURAL PLANS ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION BEGINS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.
2. SEE SHEETS S1.0 AND S1.1 FOR GENERAL STRUCTURAL NOTES AND ABBREVIATIONS. SEE SHEETS S4.0, S4.1 AND S4.3 FOR TYPICAL WOOD DETAILS.
3. TYPICAL FLAT ROOF JOISTS SHALL BE TJI's @ 24" O.C., U.O.N. HANG JOISTS WITH IUS FACE MOUNT HANGERS TYPICAL AT FLUSH BEAMS, U.O.N.
4. NAIL ROOF SHEATHING TO FRAMING WITH 8d NAILS (0.131"φ x 2.5" LONG) AT 6" O.C. AT ALL PANELS EDGES AND 8d NAILS AT 12" O.C. AT INTERMEDIATE FRAMING MEMBERS (UNBLOCKED). SEE DETAIL 6/S4.0.
5. PROVIDE SOLID BLOCKING BETWEEN EACH ROOF JOIST OR TRUSS AT SUPPORTS. PROVIDE AN HI CLIP AT EVERY MEMBER TO TOP PLATE.
6. ALL HEADERS NOT DESIGNATED ON PLAN SHALL BE (2) 2x10 FOR EXTERIOR BEARING WALLS. SEE 10/S4.1 FOR HEADER DETAIL.
7. FOR TOP PLATE SPLICE SEE DETAIL 6/S4.1.
8. TYPICAL PITCHED ROOF FRAMING CONSISTS OF 3-PLY CLT, ATTACHED PER 4 & 8/S4.2.

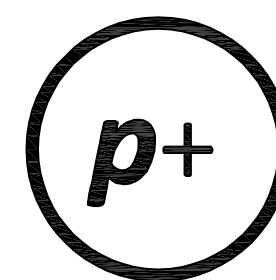
**ROOF FRAMING PLAN - NORTH BUILDING**

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

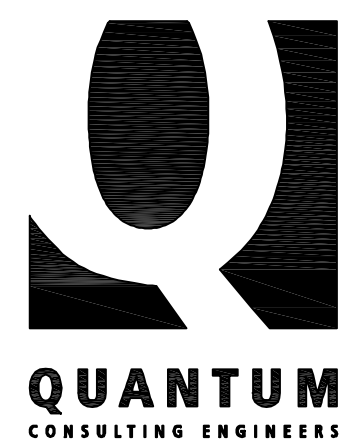


0 1 2  
1/4"=1'-0"

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ROOF FRAMING PLAN

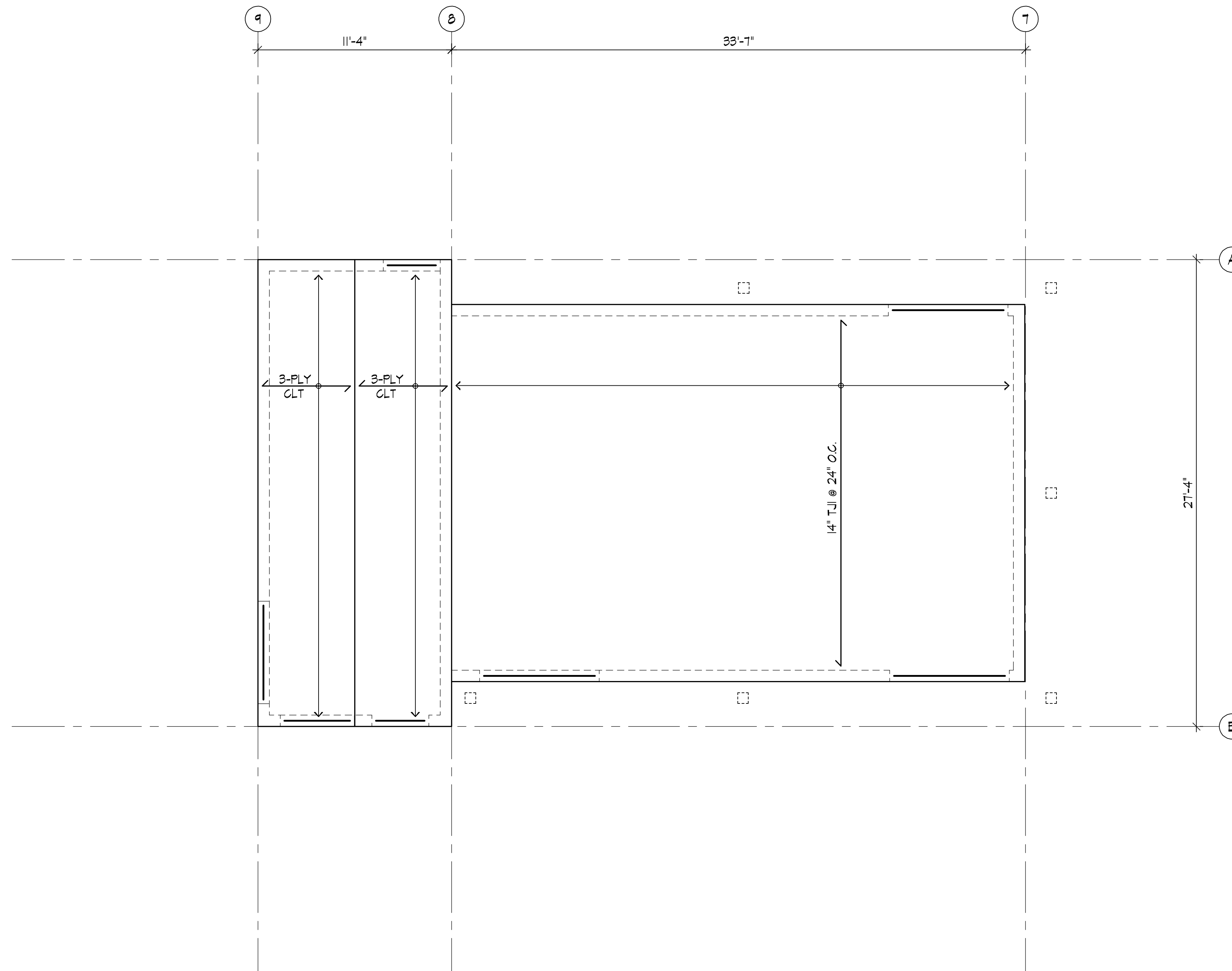
SHEET

S2.2

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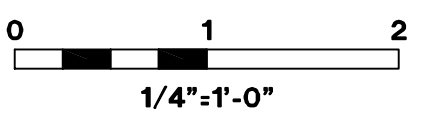
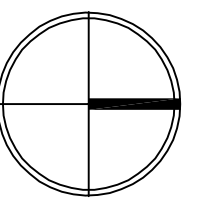


**ROOF FRAMING NOTES:**

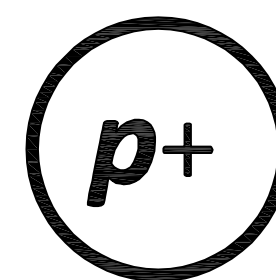
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7. FOR TOP PLATE SPLICE SEE DETAIL 6/S4.1.
8. TYPICAL PITCHED ROOF FRAMING CONSISTS OF 3-PLY CLT, ATTACHED PER 4 & 8/S4.2.

**ROOF FRAMING PLAN - SOUTH BUILDING**

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

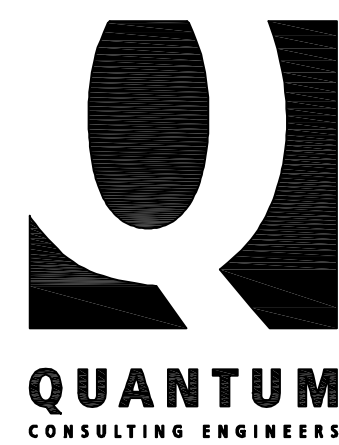


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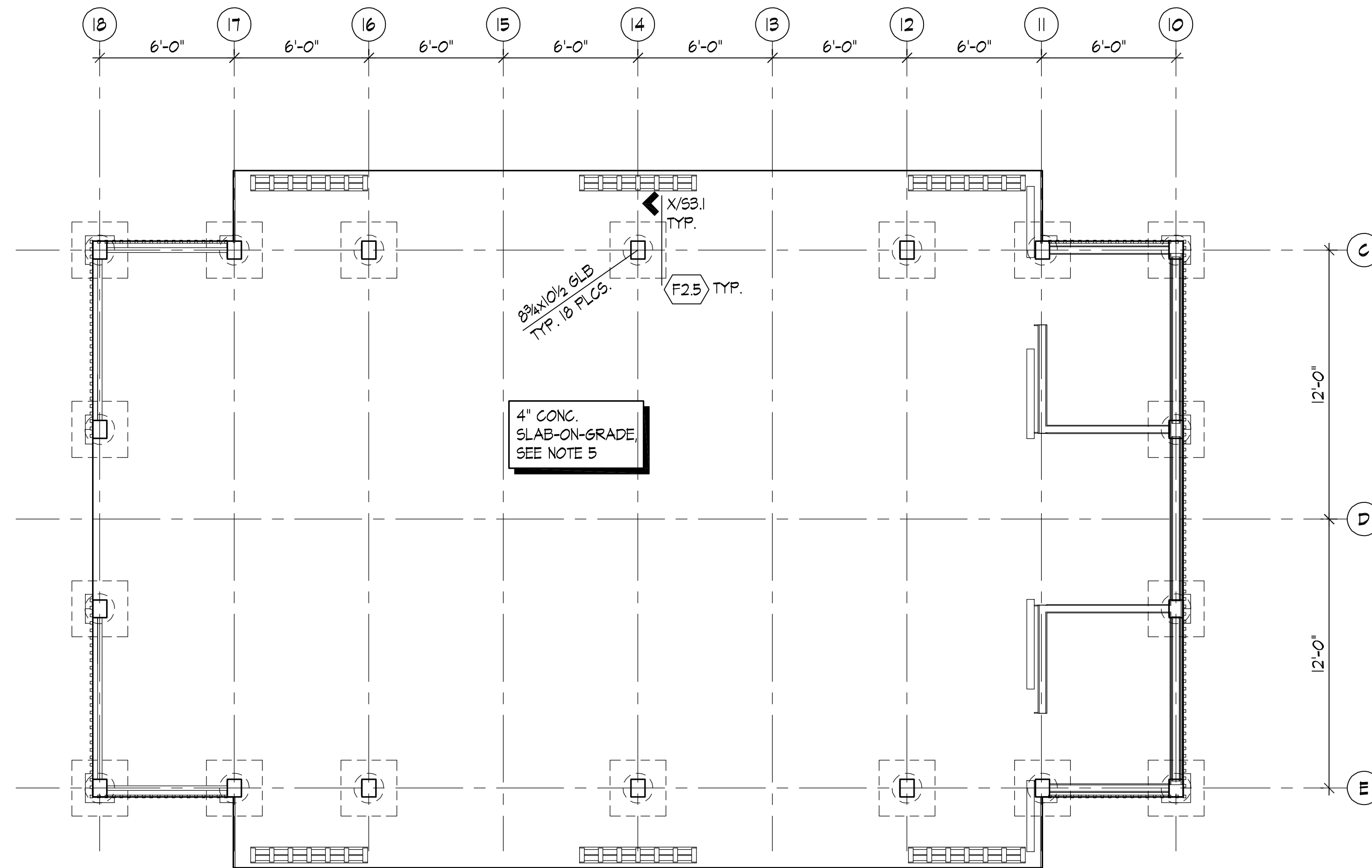


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ROOF FRAMING PLAN

SHEET

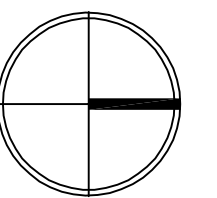
**S2.3**

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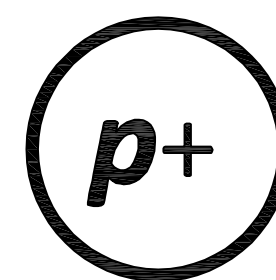
FOUNDATION PLAN - PAVILION

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



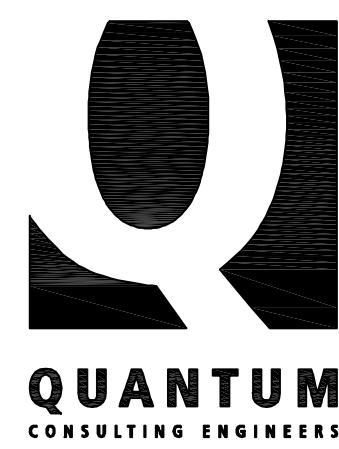
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1/4"=1'-0"

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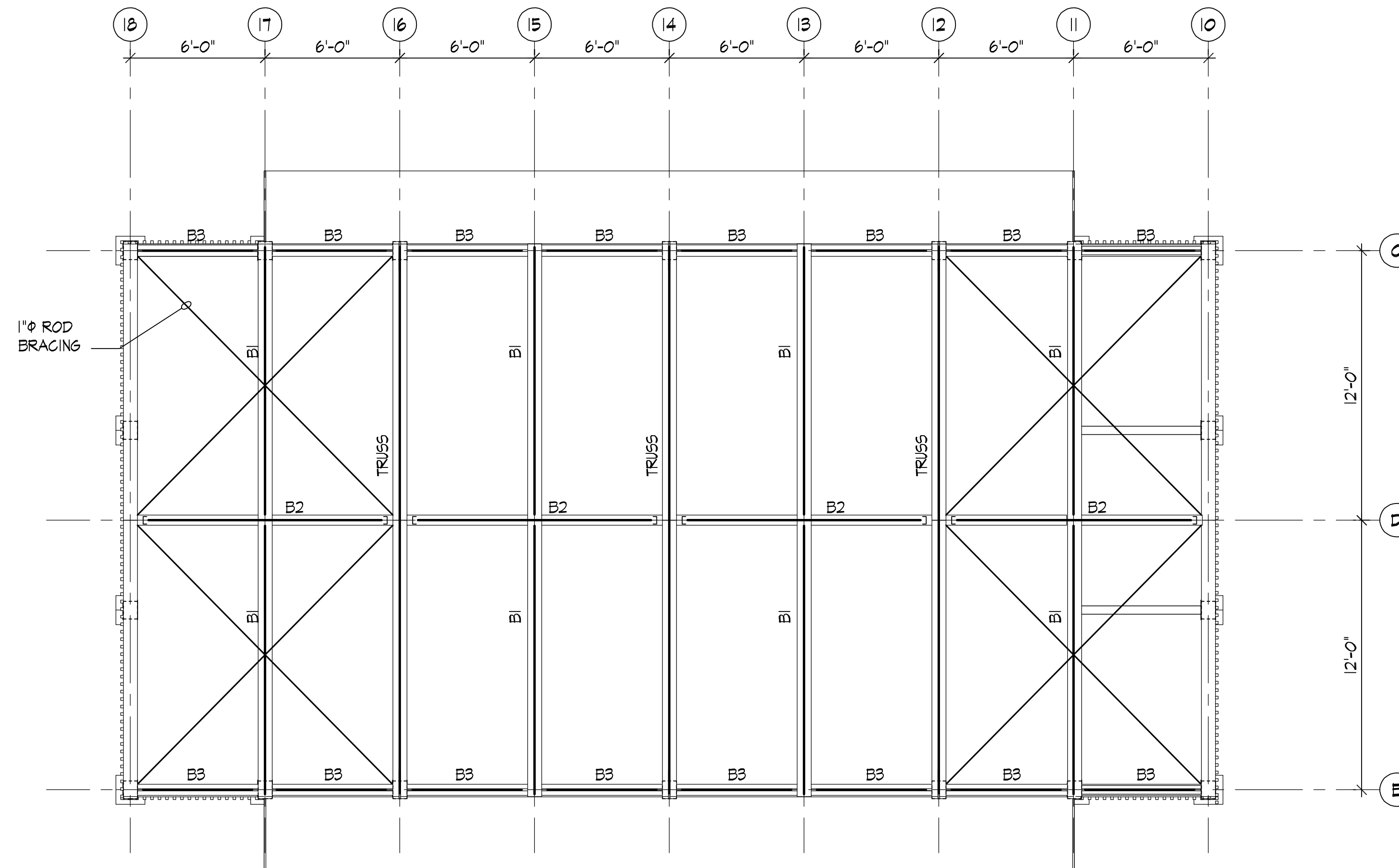


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FOUNDATION PLAN - PAVILION

SHEET

S2.4

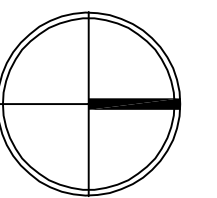
CALL BEFORE YOU DIG: 1-800-424-5555



BEAM SCHEDULE	
MARK	SIZE
B1	Ø¾x10½ GLB
B2	Ø¾x10½ GLB
B3	Ø¾x10½ GLB

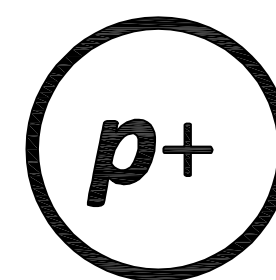
**ROOF FRAMING PLAN - PAVILION**

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



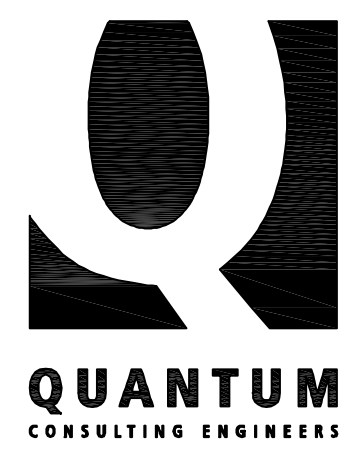
0 1 2  
1/4"=1'-0"

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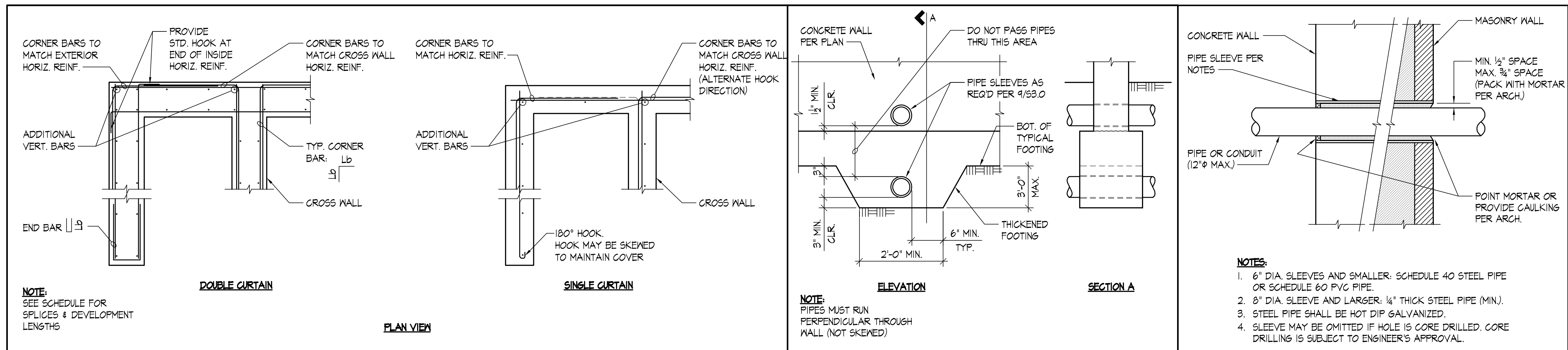
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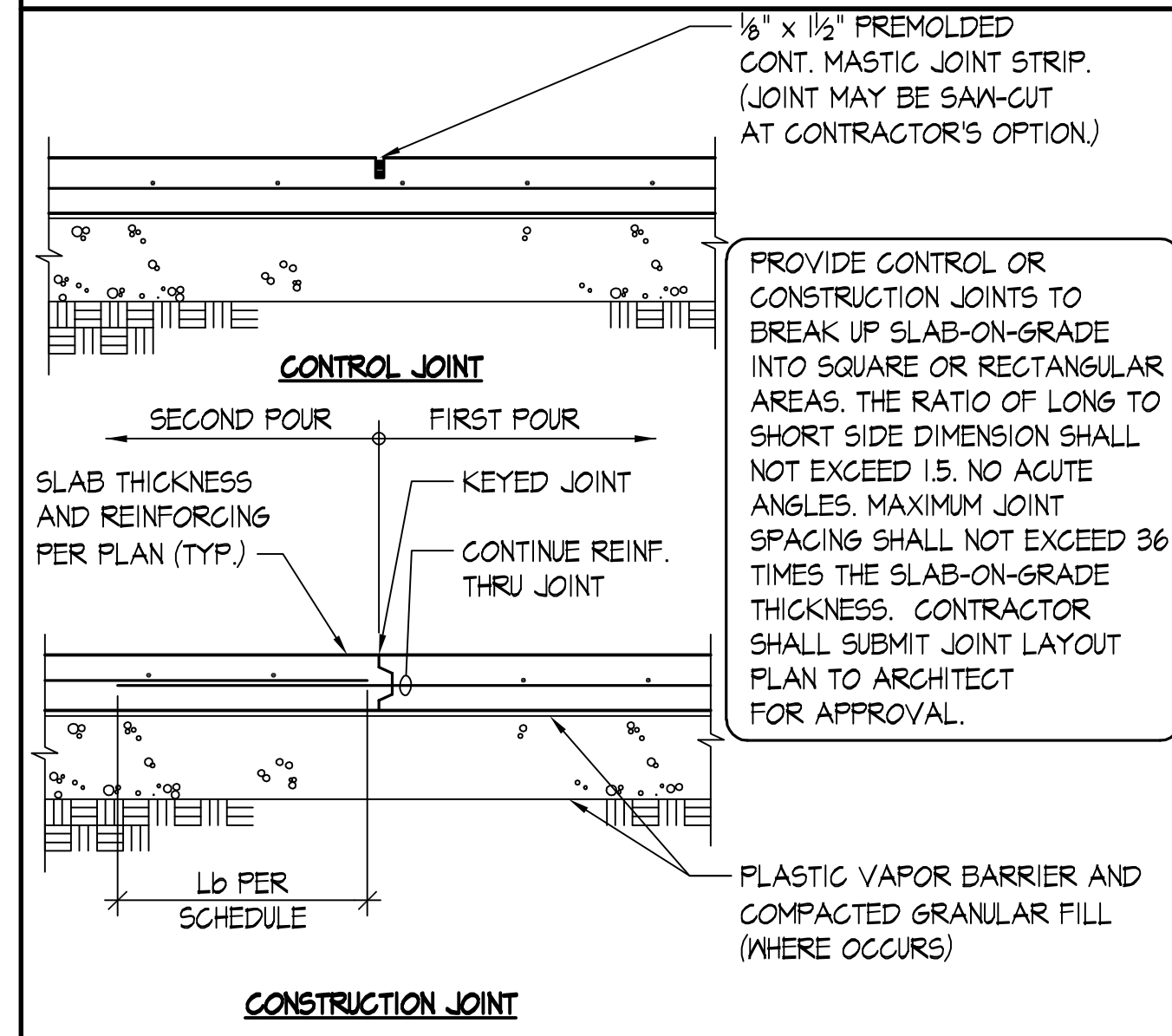


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ROOF FRAMING PLAN - PAVILION

SHEET  
**S2.5**



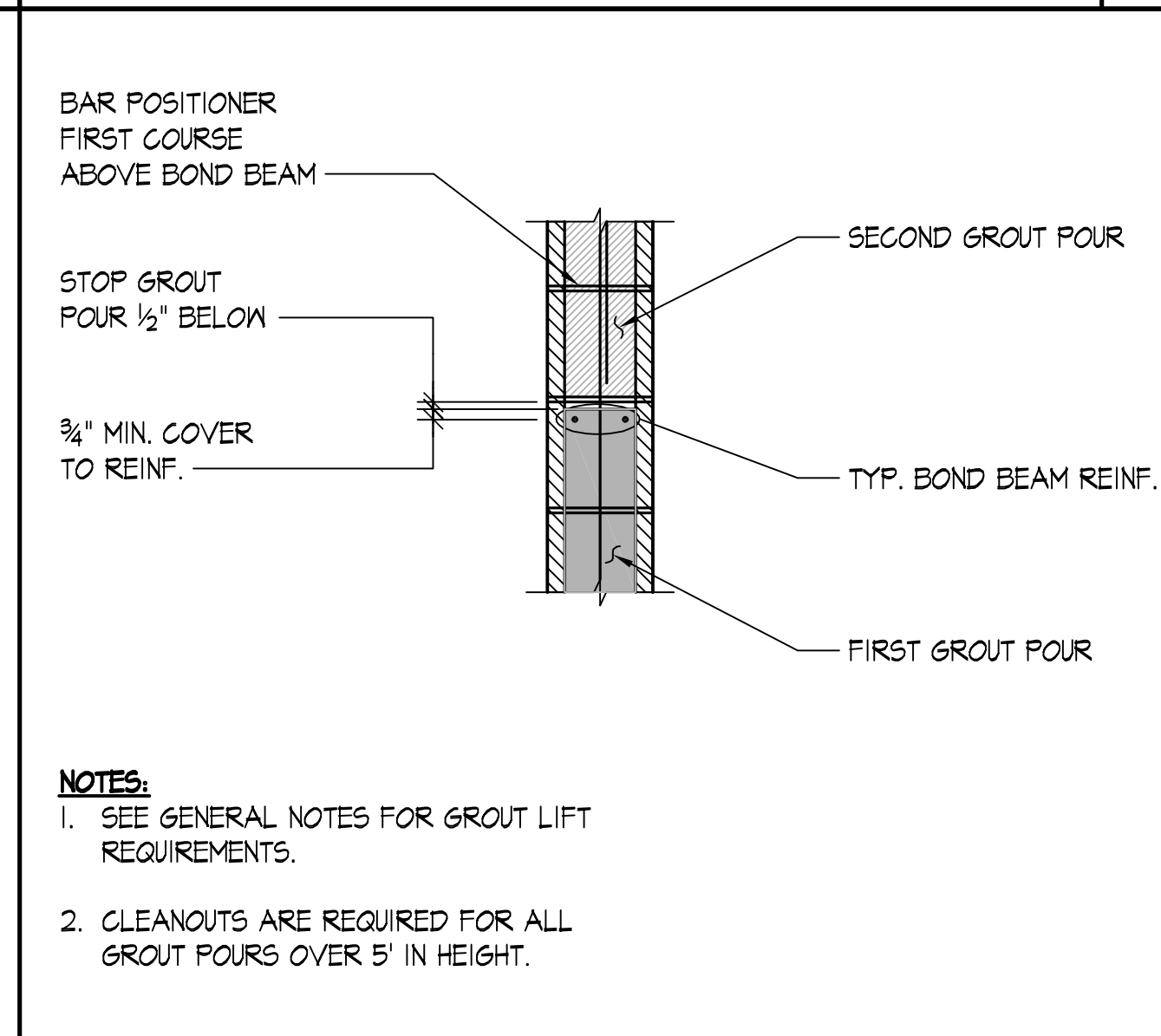
TYPICAL CORNER AND WALL END BAR ARRANGEMENT AT CONCRETE WALLS OR FOOTINGS SCALE: NONE **2** TYPICAL PIPE INSTALLATION PERPENDICULAR TO FOOTING SCALE: NONE **3** TYPICAL SLEEVE INSTALLATION THRU WALL SCALE: NONE **4**



**MASONRY REINFORCING SPLICE AND DEVELOPMENT LENGTH SCHEDULE**

DEVELOPMENT & SPLICING OF REINFORCING IN GROUTED MASONRY CONST. FOR GR. 40 & GR. 60 REBAR

BAR SIZE	TENSION LAP SPLICE ("Lb")	SEISMIC LAP SPLICE
	# 3	18"
# 4	24"	30"
# 5	30"	38"
# 6	36"	45"
# 8	48"	60"



**MASONRY BEAM SCHEDULE**

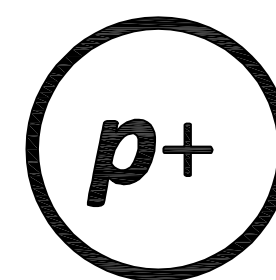
MARK	NOMINAL MASONRY WIDTH	HORIZONTAL REINFORCING	STIRRUPS	TYPE
B-1	8"	(2) #_	-	TYPE I
B-2	10"	(2) #_	-	TYPE I
B-3	10"	(4) #8	-	TYPE II

**NOTE:**  
 SEE 4/54.0 FOR NOTES.

**TYPE I**  
 TYP. VERT. WALL REINF.  
 HORIZ. REINF. PER SCHEDULE  
 STD. 180° HOOK, TYP.

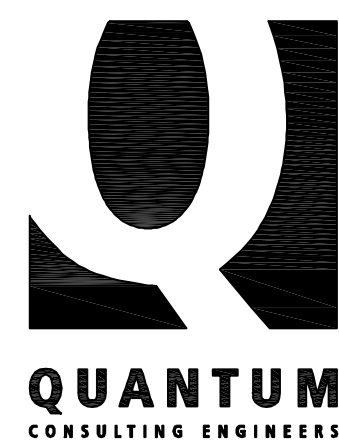
**TYPE II**  
 MASONRY WIDTH  
 TYP. VERT. WALL REINF.  
 HORIZ. REINF. PER SCHEDULE  
 BOND BEAM UNIT  
 LINTEL UNIT, TYP.

TYPICAL SLAB-ON-GRADE JOINTS SCALE: NONE **5** MASONRY REINFORCING SPLICE LENGTH SCHEDULE SCALE: NONE **6** TYPICAL HORIZONTAL CONSTRUCTION JOINT IN MASONRY WALL SCALE: NONE **7** MASONRY BEAM SCHEDULE SCALE: NONE **8**



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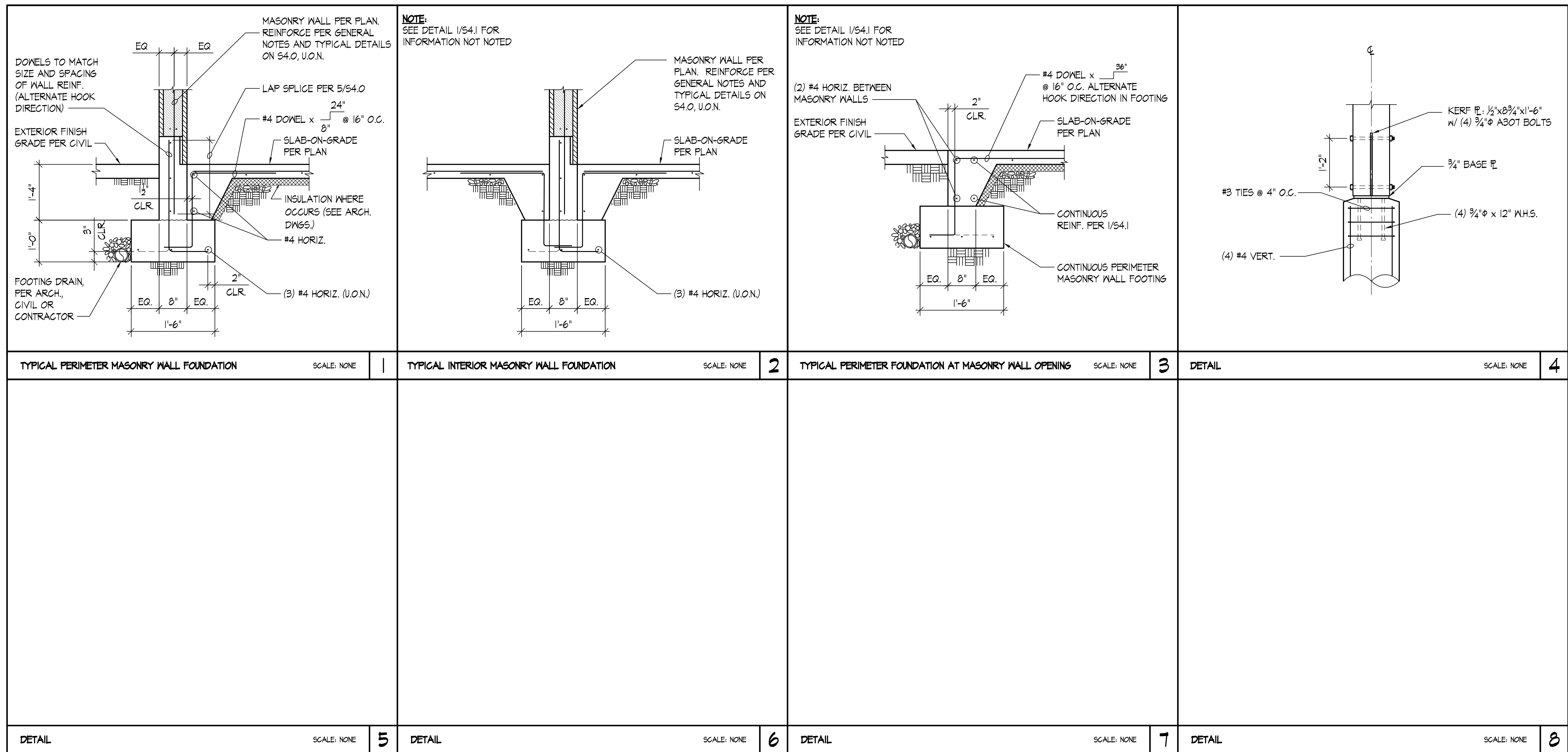


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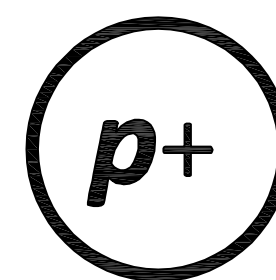
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S3.0

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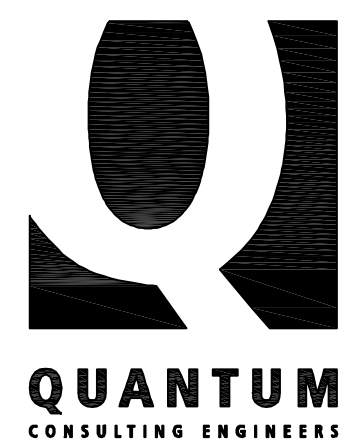


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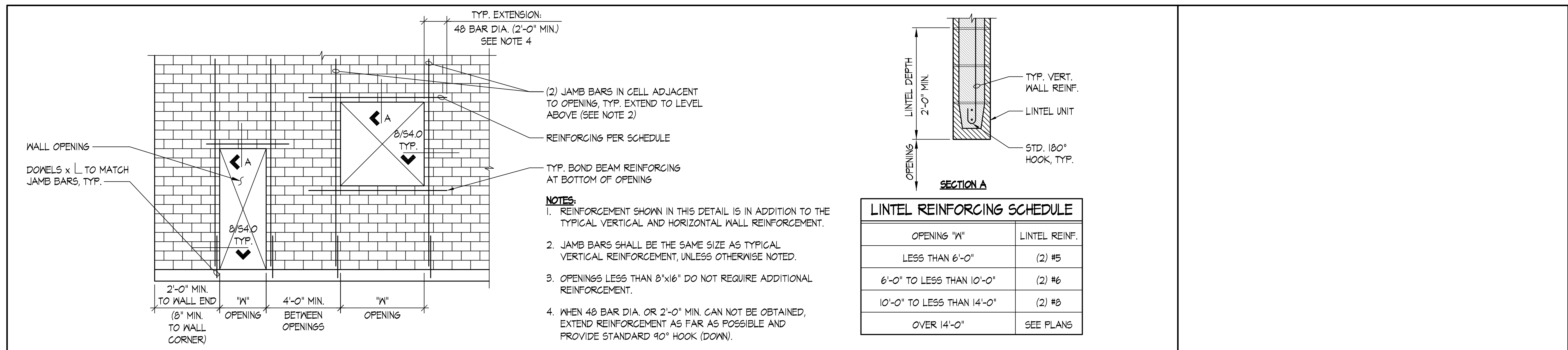
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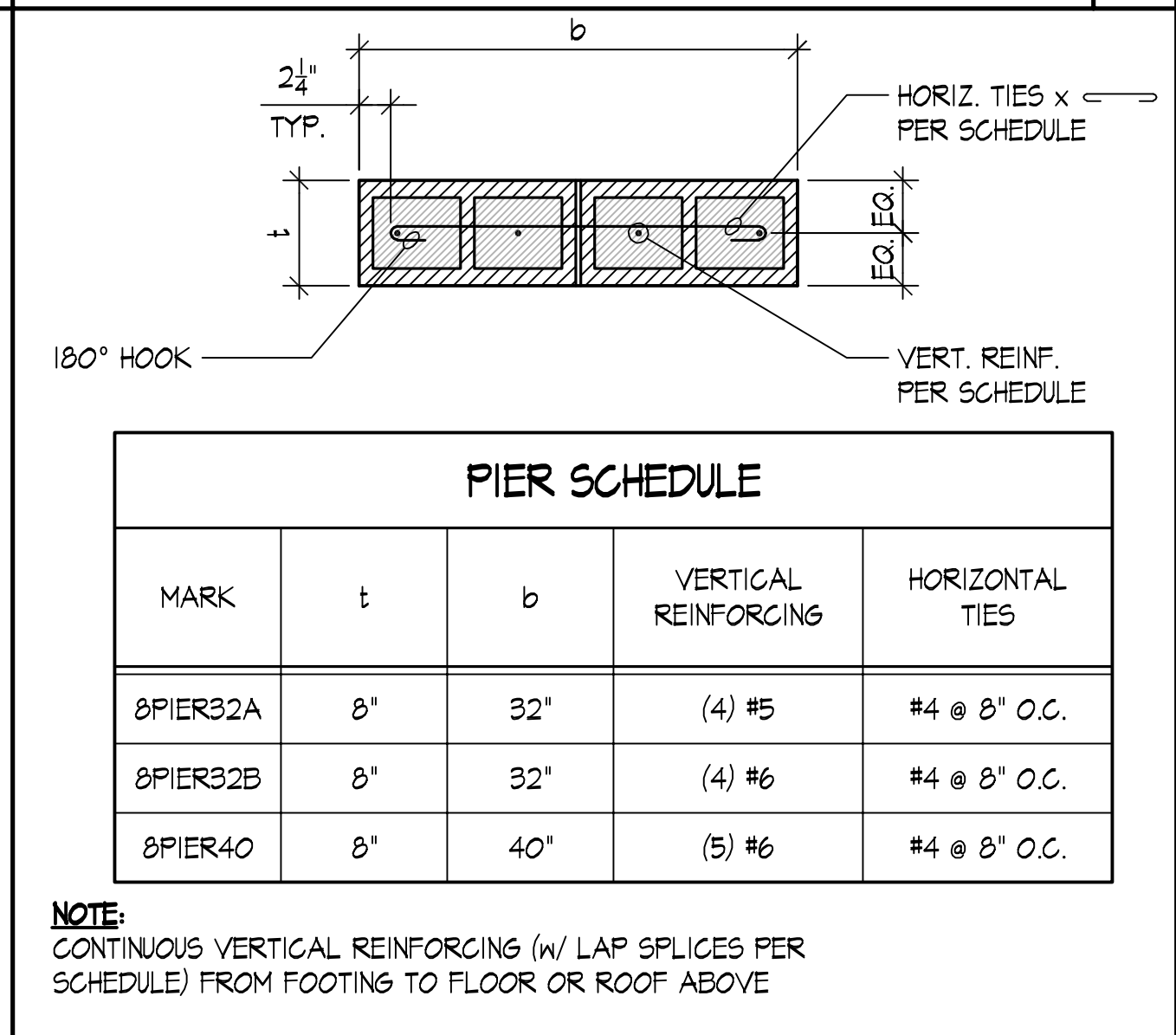
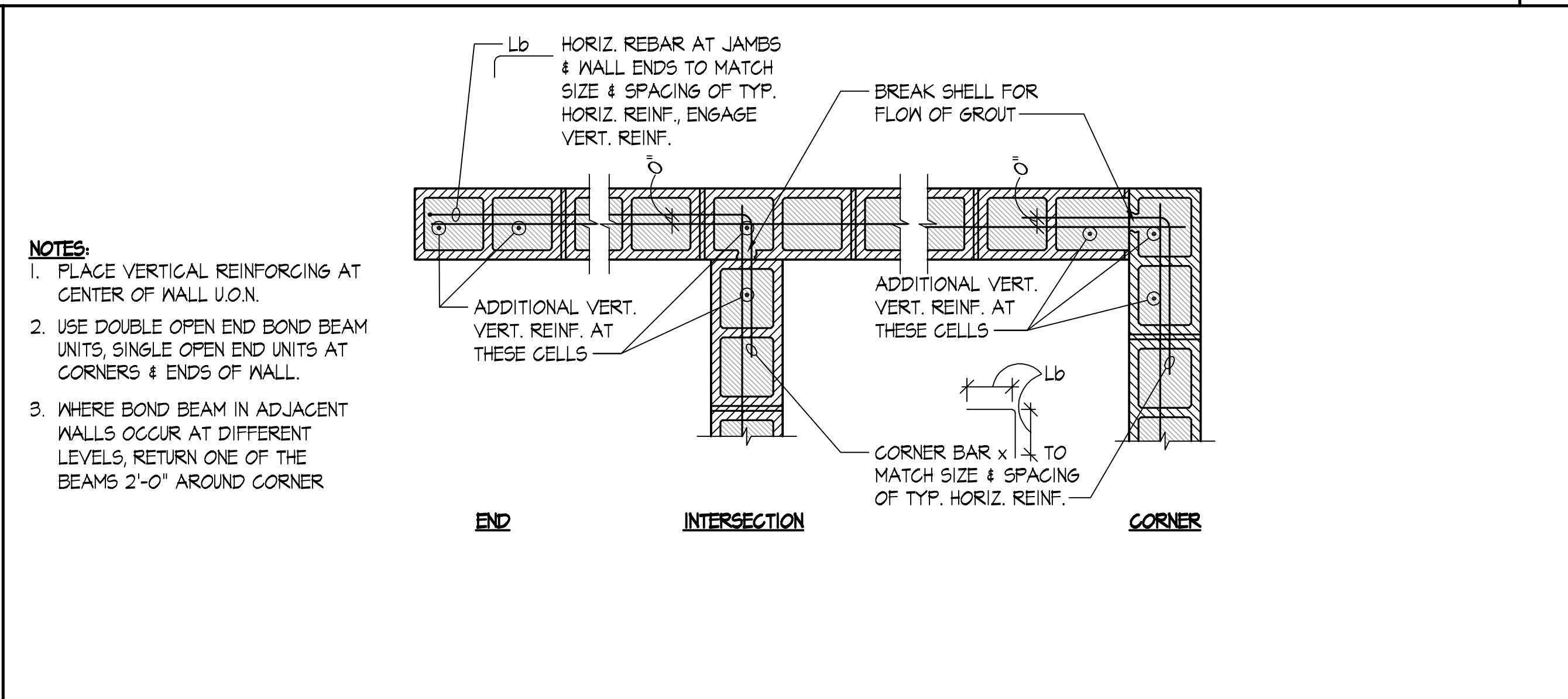
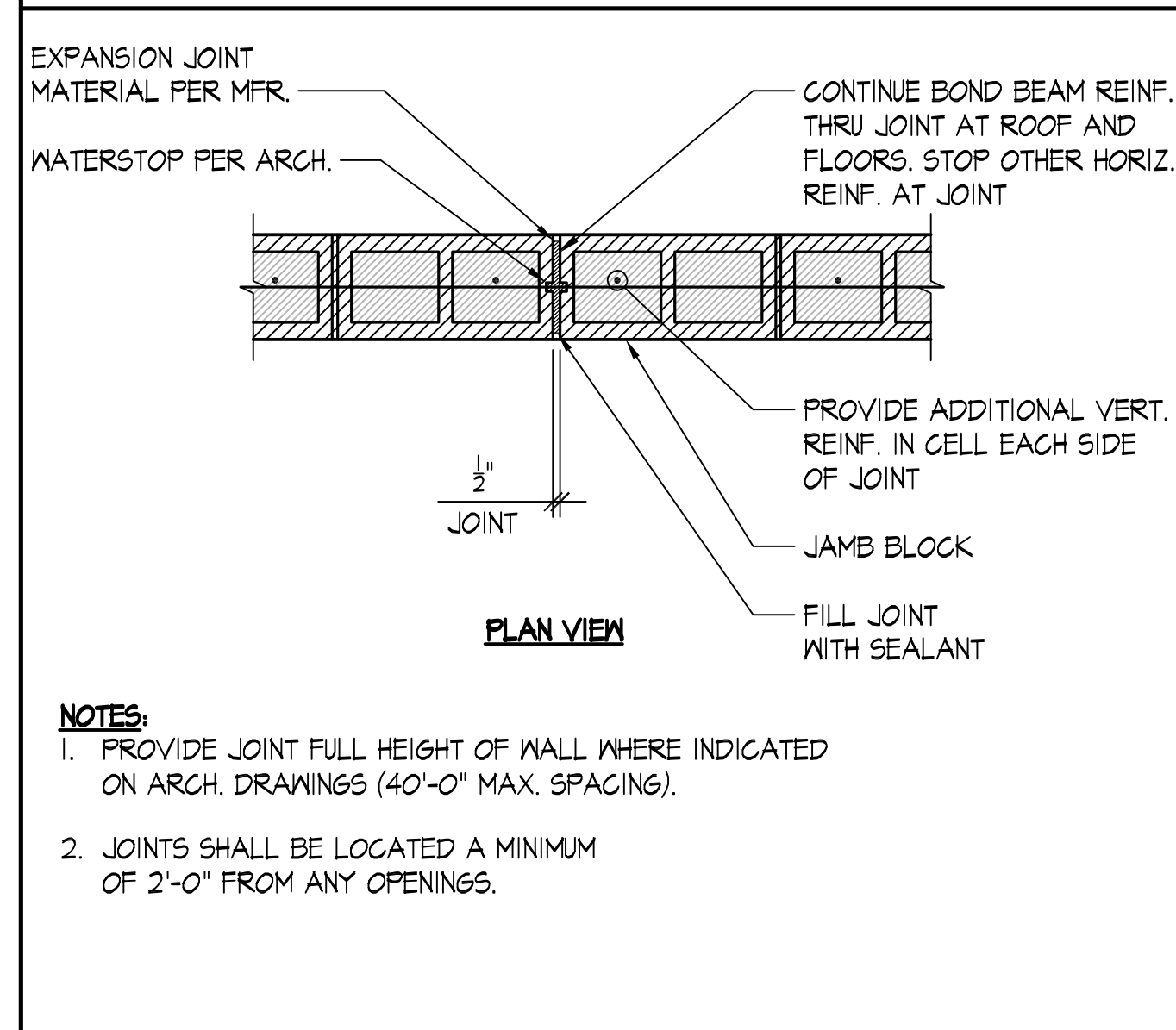
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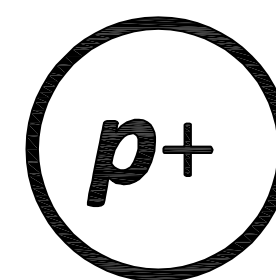
S3.1



TYPICAL REINFORCEMENT AROUND OPENINGS IN MASONRY WALLS SCALE: NONE **3** DETAIL SCALE: NONE **4**

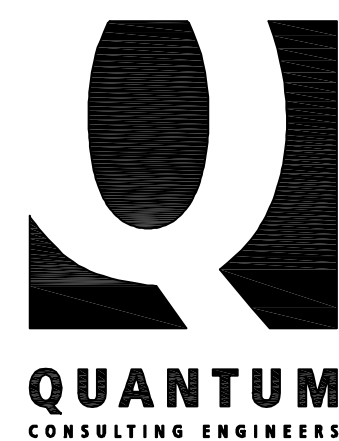


TYPICAL VERTICAL JOINT IN MASONRY WALL SCALE: NONE **5** TYPICAL MASONRY WALL ENDS, INTERSECTIONS & CORNERS SCALE: NONE **7** TYPICAL MASONRY PIER SCALE: NONE **8**



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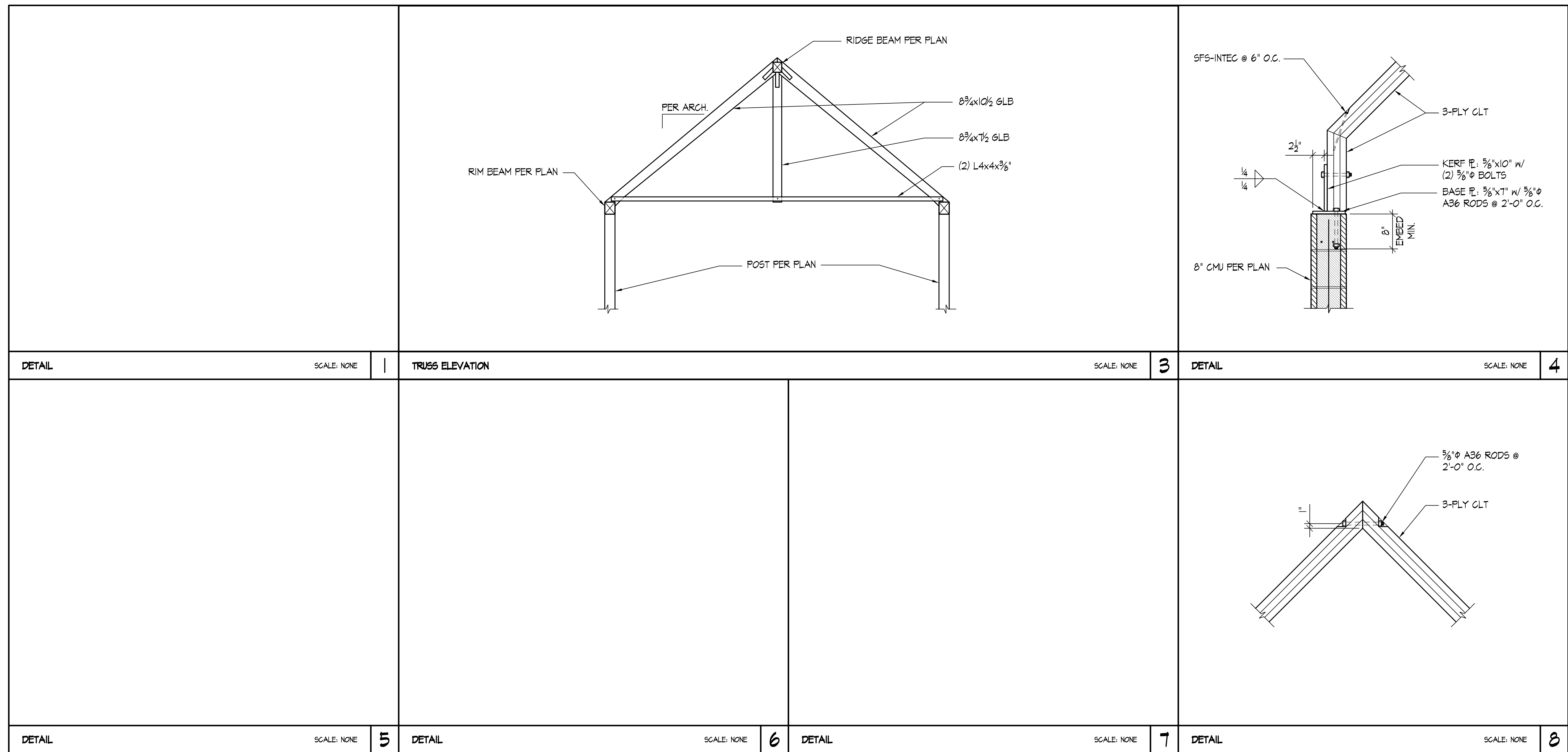


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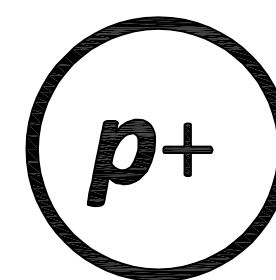
SHEET

S3.2

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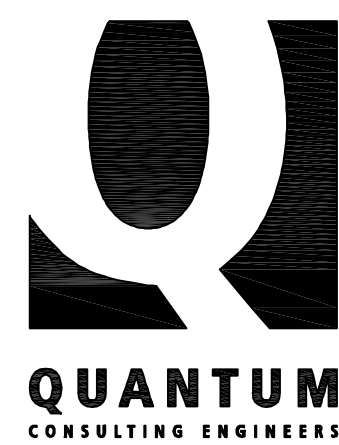


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DETAILS

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**S4.2**



VICINITY PLAN

no scale



2015 WSEC COMPLIANCE

1. HVAC LOAD CALCULATIONS MEET THE REQUIREMENTS OF WSEC SECTION C403.2.1 AND EQUIPMENT HAS BEEN SIZED IN ACCORDANCE WITH WSEC SECTION C403.2.2.
2. HVAC EQUIPMENT SHALL HAVE MINIMUM PERFORMANCE AT SPECIFIED RATING CONDITIONS NOT LESS THAN THE VALUES INDICATED IN TABLE C403.2.3(1)A THROUGH TABLE C403.2.3(9) OF THE WSEC AND AS INDICATED ON THE CONTRACT DOCUMENTS.
3. FAN SYSTEM MOTOR SIZE SHALL NOT EXCEED LIMITS OF WSEC SECTION C403.2.11.2.
4. PROVIDE DEADBAND BETWEEN HEATING/COOLING SPACE SENSOR SETPOINTS OF 5 DEGREES AS REQUIRED BY WSEC SECTION C403.2.4.1.2.
5. SIMULTANEOUS HEATING AND COOLING TO INDIVIDUAL ZONES SHALL BE PROHIBITED EXCEPT WHERE PERMITTED IN THE WSEC.
6. HVAC SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC CONTROLS CAPABLE OF ACCOMPLISHING SETBACK OR SHUTDOWN DURING UNOCCUPIED PERIODS AS REQUIRED BY WSEC SECTION C403.2.4.2.2.
7. MOTORIZED DAMPERS SHALL BE RATED CLASS I AND SHALL HAVE A MAXIMUM LEAKAGE RATE OF 4 CFM/SF AT 1.0 INCH W.G.
8. PROVIDE BALANCING DEVICES IN ALL BRANCH DUCTS TO TERMINAL DEVICES AS REQUIRED BY WSEC SECTION C408.2.2 AND AS INDICATED ON THE CONTRACT DOCUMENTS. EACH EXHAUST AIR GRILLE SHALL BE EQUIPPED WITH MEANS FOR AIR BALANCING IN ACCORDANCE WITH THE REQUIREMENTS OF IMC CHAPTER 6.
9. ALL DUCTWORK SHALL COMPLY WITH SMACNA STANDARDS FOR CONSTRUCTION OF GALVANIZED DUCTWORK. ALL DUCTWORK ON THIS PROJECT SHALL BE RATED AS LOW PRESSURE. ALL DUCTWORK SHALL BE SEALED AS REQUIRED BY WSEC SECTION C403.2.8.3.1.
10. ALL DUCTWORK SHALL BE INSULATED AS REQUIRED BY WSEC SECTION C403.2.8 AND AS SCHEDULED IN THIS PLAN SET. DUCT SIZES SHOWN ON PLANS ARE NET, CLEAR DUCT SIZES.
11. ALL PIPING SHALL BE INSULATED AS REQUIRED BY WSEC SECTION C403.2.9.
12. MINIMUM MOTOR EFFICIENCY FOR MOTORS SHALL MEET THE REQUIREMENTS OF WSEC SECTION C405.8.
13. COMPLY WITH ALL COMMISSIONING AND COMPLETION REQUIREMENTS OF SECTION C103.6 OF THE WSEC. REFER TO SPECIFICATIONS.

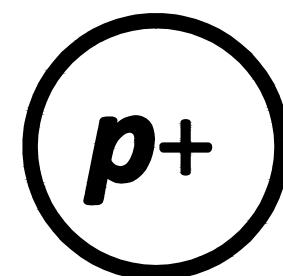
GENERAL NOTES

1. THE MECHANICAL SYSTEM SHALL CONSIST OF ALL WORK SHOWN ON DRAWINGS, DIAGRAMS, AND AS DESCRIBED IN SPECIFICATIONS.
2. INSTALL ALL MECHANICAL WORK AS HIGH AS POSSIBLE, TIGHT TO STRUCTURE ABOVE.
3. THE MECHANICAL PLANS ARE DIAGRAMMATIC IN NATURE AND DO NOT ATTEMPT TO SHOW ALL REQUIRED OFFSETS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR CONSTRUCTION DETAILS.
4. ITEMS NOTED "TYPICAL" OR "TYP" ON ANY SHEET APPLY TO THAT PARTICULAR SHEET.
5. COORDINATE WITH SPECIFICATIONS. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE STRINGENT SHALL APPLY.
6. PROVIDE NEC CODE MINIMUM HORIZONTAL AND VERTICAL WORKING CLEARANCES FOR ALL ELECTRICAL PANELS AND EQUIPMENT. OFFSET MECHANICAL WORK AS REQUIRED.
7. COORDINATE ALL MECHANICAL WORK WITH THAT OF OTHER TRADES TO INSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK OF THIS CONTRACTOR. PROVIDE COORDINATED SHOP DRAWINGS PRIOR TO FABRICATION AND INSTALLATION.
8. MECHANICAL EQUIPMENT SHALL NOT BE USED FOR TEMPORARY HEAT DURING CONSTRUCTION.
9. VERIFY EXISTING CONDITIONS BEFORE COMMENCING ANY WORK ON AN EXISTING MECHANICAL SYSTEM.
10. ALL DUCTWORK SIZES SHOWN ARE INSIDE CLEAR. ADD APPROPRIATE DIMENSION FOR INSULATION OR DUCT LINER TO OBTAIN "TOTAL" DUCT SIZE.
11. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL DIFFUSERS AND GRILLES.
12. PROVIDE TRANSITIONS AS REQUIRED TO CONNECT DUCTWORK TO AIR TERMINAL UNITS, FANS AND OTHER MECHANICAL EQUIPMENT.
13. PROVIDE DIFFUSER AND GRILLE FRAMES COMPATIBLE WITH ARCHITECTURAL CEILING TYPE. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPE.
14. COORDINATE EXACT LOCATIONS OF ALL ROOM THERMOSTATS AND/OR ROOM TEMPERATURE SENSORS WITH ARCHITECT PRIOR TO INSTALLATION.
15. PROVIDE A VOLUME DAMPER FOR EACH SUPPLY, RETURN AND EXHAUST OPENING IN BRANCHES AND ELSEWHERE AS NOTED ON THE DRAWINGS OR SPECIFICATIONS.
16. MOTORS SHALL MEET THE MORE STRINGENT REQUIREMENTS OF EITHER THE WSEC OR THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA) OF 2007 ENFORCED BY THE DEPARTMENT OF ENERGY.

APPLICABLE CODES

- PROJECT SHALL COMPLY WITH THE FOLLOWING BUILDING CODES WITH LOCAL AND WASHINGTON STATE AMENDMENTS:
1. 2015 INTERNATIONAL BUILDING CODE
  2. 2015 INTERNATIONAL MECHANICAL CODE
  3. 2015 UNIFORM PLUMBING CODE
  4. 2015 WASHINGTON STATE ENERGY CODE

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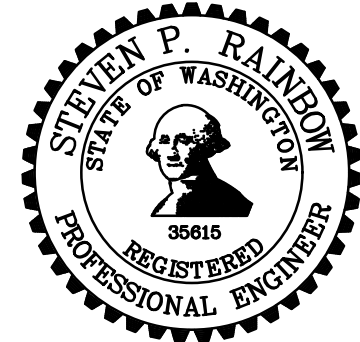
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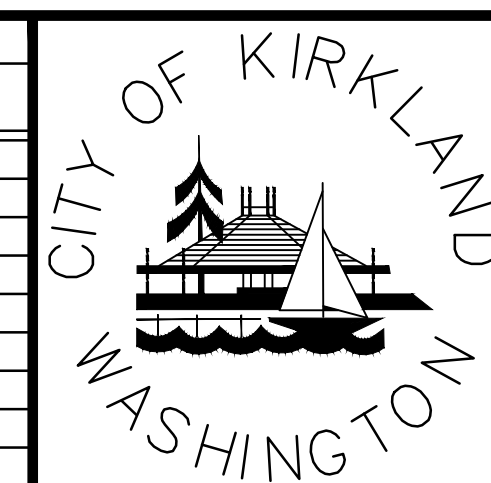


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PUBLIC WORKS DEPARTMENT  
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CPK 0119 100  
**JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT**  
**CODE COMPLIANCE, NOTES**

SHEET  
**M0.1**



ABBREVIATIONS

A/E	ARCHITECT/ENGINEER
AFF	ABOVE FINISHED FLOOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECTURAL
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING & AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS'
A/E	ARCHITECT/ENGINEER
BDD	BACKDRAFT DAMPER
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET PER MINUTE
CO	CLEANOUT
CONT	CONTINUATION
DB	DECIBEL
DBA	DECIBEL A WEIGHTED
DEG	DEGREE
DIA	DIAMETER
DN	DOWN
DOAS	DEDICATED OUTDOOR AIR SYSTEM
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
(E)EXIST	EXISTING
F	FAHRENHEIT
FC	FAN COIL
FLA	FULL LOAD AMPACITY
FPM	FEET PER MINUTE
FT	FEET/FOOT
GPM	GALLONS PER MINUTE
HSPF	HEATING SEASONAL PERFORMANCE FACTOR
IBC	INTERNATIONAL BUILDING CODE
IMC	INTERNATIONAL MECHANICAL CODE
IE	INVERT ELEVATION
IN	INCH
KW	KILOWATT
LBS	POUNDS
LWA	SOUND POWER, A WEIGHTED
MAX	MAXIMUM
MCA	MINIMUM CURRENT AMPACITY
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MOD	MOTOR OPERATED DAMPER
NC	NOISE CRITERION
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
OA	OUTSIDE AIR
OB	OPPOSED BLADE
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE PRESSURE
RPM	REVOLUTIONS PER MINUTE
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SUPPLY FAN/SQUARE FEET
SMACNA	SHEET METAL AND AIR-CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
SPEC	SPECIFICATION
SPL	SOUND PRESSURE LEVEL
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UL	UNDERWRITERS' LABORATORIES, INC.
UPC	UNIFORM PLUMBING CODE
V	VENT/VOLTS
VRF	VARIABLE REFRIGERANT FLOW
W	WASTE/WATT
WG	WATER GAGE
WAC	WASHINGTON ADMINISTRATIVE CODE
WG	WATER GAGE
WISHA	WASHINGTON INDUSTRIAL SAFETY & HEALTH
WSEC	WASHINGTON STATE ENERGY CODE

MECHANICAL LEGEND

GENERAL

SYMBOL	DESCRIPTION
	HEAVY LINE INDICATES NEW WORK
	LIGHT LINE INDICATES BACKGROUND
	CENTERLINE
	PIPELINE - NORMAL DIRECTION OF FLOW
	KEY NOTE CALLOUT
	REVISION CALLOUT
	PLUMBING FIXTURE OR DRAIN CALLOUT
	POINT OF CONNECTION
	EQUIPMENT CALLOUT, SEE SCHEDULE
	DIFFUSER OR GRILLE CALLOUT, SEE SCHEDULE
	VOLUME FLOW RATE (CFM), NONE INDICATED FOR TRANSFER GRILLE
	DIFFUSER OR GRILLE TYPE
	INDICATES DIAMETER OR ROUND
	DETAIL CALLOUT:
	INDICATES DETAIL NUMBER
	SECTION CALLOUT:
	INDICATES DIRECTION OF CUTTING PLANE
	INDICATES SECTION LETTER
	SHEET NUMBER WHERE SECTION IS DRAWN

VENTILATION

DOUBLE	SINGLE	DESCRIPTION
		DUCT: 1ST SIZE (IN) INDICATES SIDE SHOWN, 2ND SIZE (IN) INDICATES SIDE NOT SHOWN, INSIDE FREE AREA
		SOUNDLINED DUCT
		SUPPLY AIR DUCT - TURNING UP OR TOWARD
		SUPPLY AIR DUCT - TURNING DOWN OR AWAY
		RETURN OR EXHAUST AIR DUCT - TURNING UP OR TOWARD
		RETURN OR EXHAUST AIR DUCT - TURNING DOWN OR AWAY
		ROUND DUCT - TURNING UP OR TOWARD
		ROUND DUCT - TURNING DOWN OR AWAY
		TRANSITION
		TRANSITION - ROUND TO RECTANGULAR
		TURNING VANES IN RECTANGULAR DUCT TURN
		90° ELBOW (RADIUS = 1.5 x ELBOW DIAMETER)
		RECTANGULAR BRANCH CONNECTION WITH 45° TAPER
		CONICAL BRANCH CONNECTION
		45° LATERAL FITTING

VENTILATION (CONT)

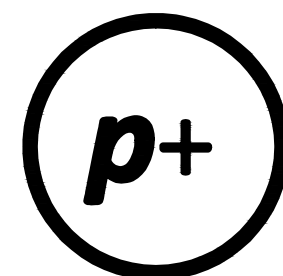
DOUBLE	SINGLE	DESCRIPTION
		45° LATERAL FITTING WITH 45° ELBOW
		90° CONICAL TEE FITTING
		BELLMOUTH BRANCH CONNECTION
		90° DIVERGING TEE
		90° DIVERGING TEE
		AUTOMATIC CONTROL DAMPER - OPPOSED BLADE (PROVIDE ACCESS)
		VOLUME DAMPER
		BACKDRAFT DAMPER
		COMBINATION FIRE/SMOKE DAMPER (PROVIDE ACCESS)
		INDICATES RISE OR DROP
		FLEXIBLE DUCTWORK
		FLEXIBLE CONNECTOR
		SUPPLY GRILLE (SIDEWALL)
		RETURN/EXHAUST GRILLE (SIDEWALL)

SYMBOL	DESCRIPTION
	CEILING DIFFUSER (4-WAY AIRFLOW)
	CEILING DIFFUSER (2-WAY AIRFLOW)
	CEILING DIFFUSER (3-WAY AIRFLOW)
	CEILING DIFFUSER (1-WAY AIRFLOW)
	ROUND DIFFUSER
	RETURN/EXHAUST GRILLE
	RETURN GRILLE WITH BOOT
	LINEAR DIFFUSER (FLOW ARROW SHOWN ONLY IF AIRFLOW IS ONE DIRECTIONAL)

EQUIPMENT

SYMBOL	DESCRIPTION
	THERMOSTAT OR TEMP. SENSOR
	CO2 SENSOR
	PRESSURE SENSOR

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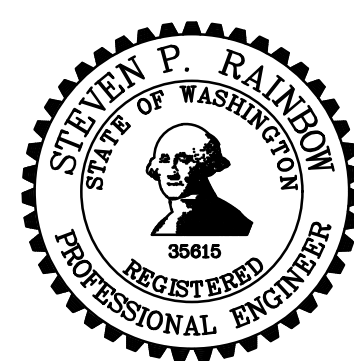


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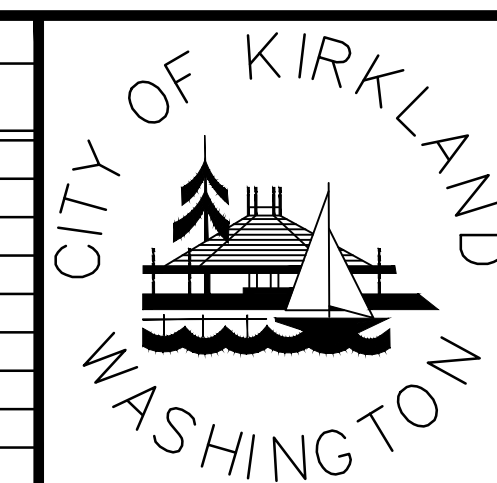
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JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
LEGEND, ABBREVIATIONS

SHEET

M0.2

ELECTRIC CEILING HEATERS			
MARK		ECH-1	
SERVES		UTILITY	
CAPACITY	WATTS	500	
AIR	FLOW: CFM	85	
UNIT	ELEC.: VOLTS/PHASE	120/1	
	WEIGHT: LBS	8	
BASIS OF DESIGN	MANUFACTURER	KING	
	MODEL	WHFC1210	
REMARKS	NOTES	[1, 3]	

NOTES:

1. PROVIDE WITH RECESS CAN AND WALL MTD LINE VOLTAGE THERMOSTAT.
2. PROVIDE WITH SURFACE MOUNT CAN AND WALL MTD LINE VOLTAGE THERMOSTAT.
3. SET THERMOSTAT TO 45°F. MOUNT THERMOSTAT ON INSULATED PAD.

EXHAUST FANS					
MARK		EF-1	EF-2	EF-3	
LOCATION		UTILITY	UTILITY	LOCKERS	
SERVES		VARIOUS	VARIOUS	LOCKERS	
TYPE	DESCRIPTION	IN-LINE	IN-LINE	CABINET CEILING	
	DRIVE	DIRECT [3]	DIRECT ECM	DIRECT [3]	
CAPACITY	FLOW: CFM	300	700	100	
	TSP: IN WG	0.375	0.375	0.25	
	FAN SPEED: RPM	1350	-	1400	
	MOTOR: WATTS	140	1/4 HP	113	
	VOLT/PHASE	115/1	115/1	115/1	
OPER WEIGHT	WEIGHT: LBS	23	35	17	
BASIS OF DESIGN	MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	
	MODEL	CSP-A390	SQ	SP-A190	
REMARKS	NOTES	[1, 2, 4]	[1, 2, 4]	[1, 4]	

NOTES:

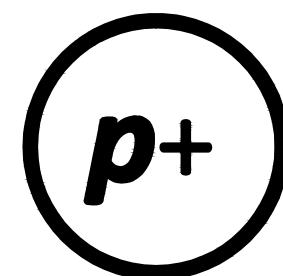
1. ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT AS REQUIRED.
2. FOR INSTALLATION, SEE DETAIL 3 ON SHEET M2.1.
3. FAN MOTOR SIZE BELOW WSEC THRESHOLD FOR EC MOTOR REQUIREMENT.
4. FAN TO OPERATE FROM PROGRAMMABLE TIMER SWITCH - REFER TO ELECTRICAL PLANS; FAN ON DURING OCCUPIED HOURS.

GRILLES, REGISTERS & DIFFUSERS					
MARK		EG-1			
ITEM	SERVICE	EXHAUST			
	LOCATION	SIDEWALL/EXPOSED			
TYPE	DESCRIPTION	LOUVERED			
	MATERIAL	ALUMINUM			
	FACE SIZE: IN	12 x 8			
	BORDER TYPE	[1]			
CAPACITY	DUCT SIZE: IN	SEE PLANS			
	NECK SIZE: IN	12 x 8			
	MAX NC: [2]	35			
BASIS OF DESIGN	MANUFACTURER	TITUS			
	MODEL	355FL			
REMARKS	NOTES	[3]			

NOTES:

1. PROVIDE GRILLES WITH BORDER STYLES THAT ARE COMPATIBLE WITH ADJACENT CEILING SYSTEMS. REFER TO ARCH DWGS.
2. NC BASED ON OCTAVE BANDS 2 - 7 SOUND POWER LEVELS MINUS A ROOM ABSORPTION OF 10 DB, MEASURED PER ASHRAE 70-91.
3. PROVIDE DUCT CONNECTION SIZE EQUAL TO NECK SIZE UNLESS NOTED ON PLANS.

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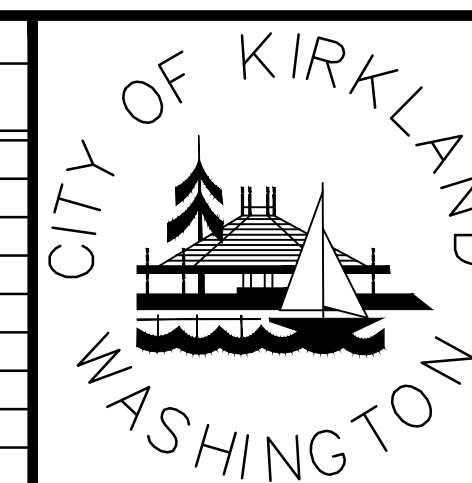
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JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
MECHANICAL SCHEDULES

SHEET

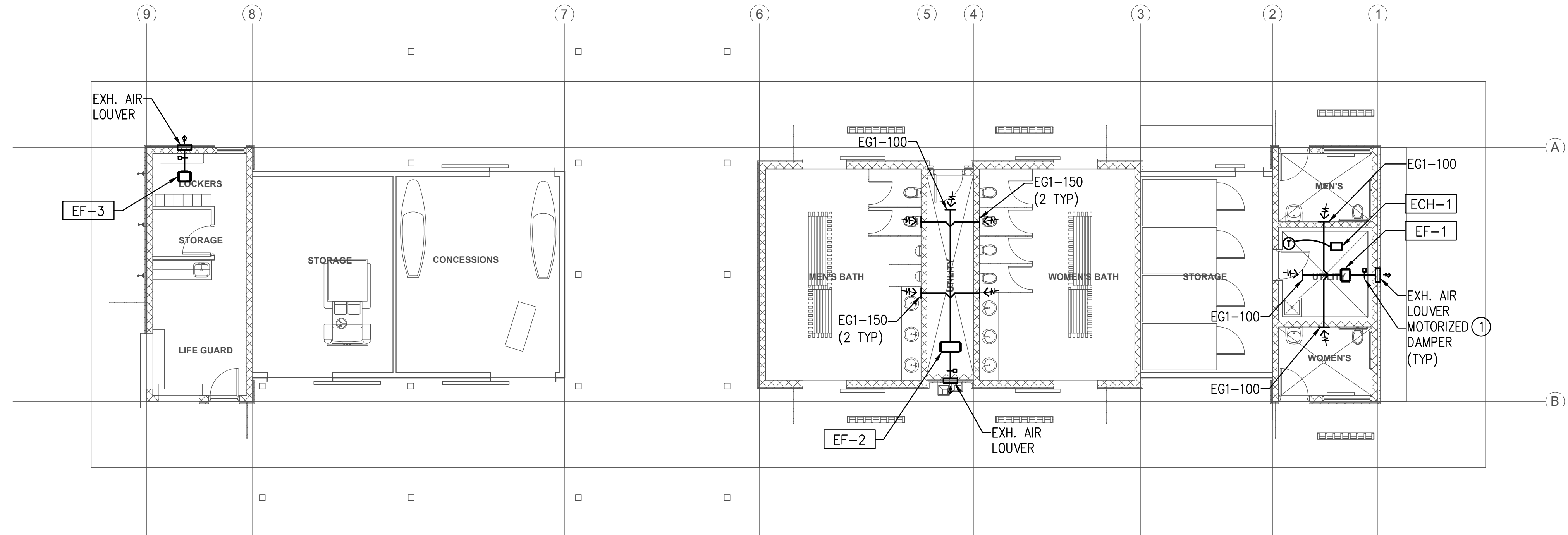
M0.3

**PLAN NOTES:**

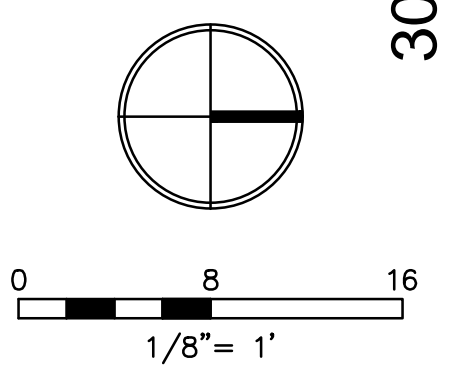
1. ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL UNLESS OTHERWISE NOTED AND INSTALLED IN ACCORDANCE WITH SMACNA REQUIREMENTS. ALL DUCTWORK ON THIS PROJECT SHALL BE LOW PRESSURE TYPE.
2. FLEXIBLE CONNECTORS: PROVIDE UL LISTED 181 FLEXIBLE CONNECTORS PER INTERNATIONAL MECHANICAL CODE SECTION 603.2.1.
3. WHERE VOLUME DAMPERS ARE CONCEALED WITHIN A HARD LID CEILING, PROVIDE CONCEALED YOUNG REGULATOR SERIES 301 OR EQUAL.
4. REFER TO SHEET M2.1 FOR DETAILS OF DUCT HANGERS AND CONNECTIONS TO STRUCTURE.

**KEY NOTES:**

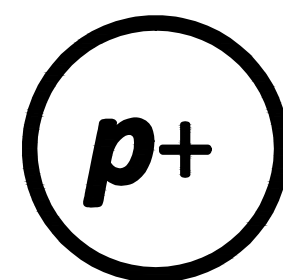
- ① CLASS 1 MOTORIZED DAMPER. BASIS FOR DESIGN: GREENHECK VCD-23 SERIES WITH 120-VOLT ACTUATOR. ACTUATOR SHALL POWER OPEN AND CLOSE UPON POWER FAILURE.



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



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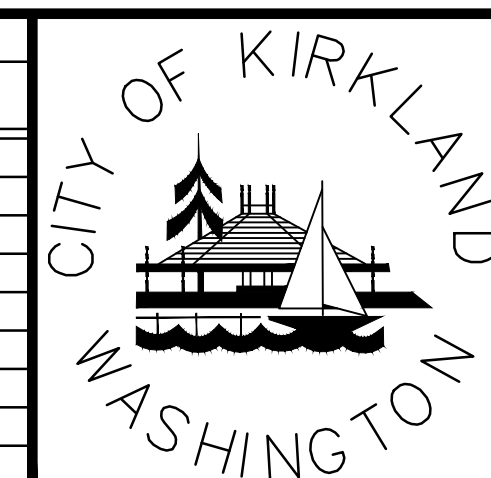
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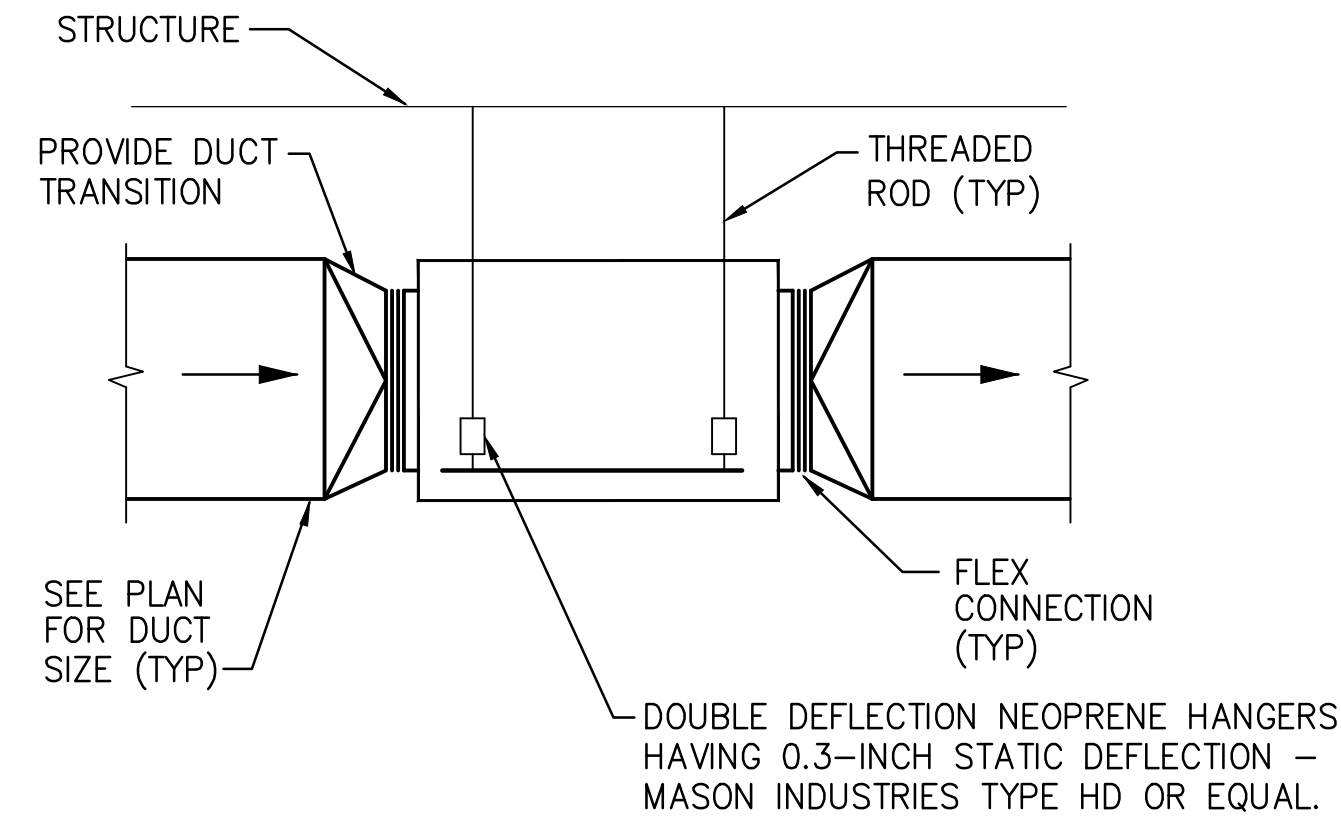


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BATHHOUSE REPLACEMENT  
MECHANICAL FLOOR PLAN

SHEET

M1.1

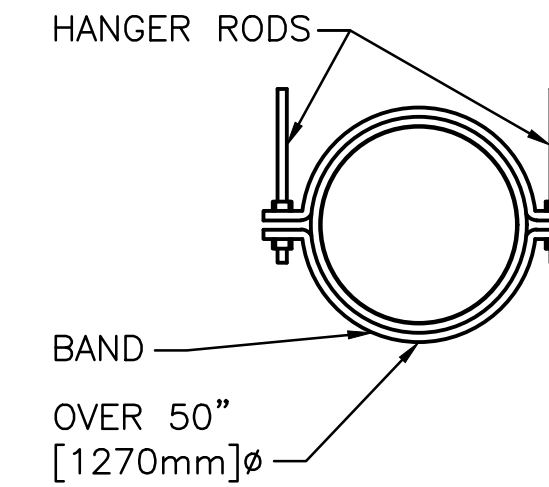
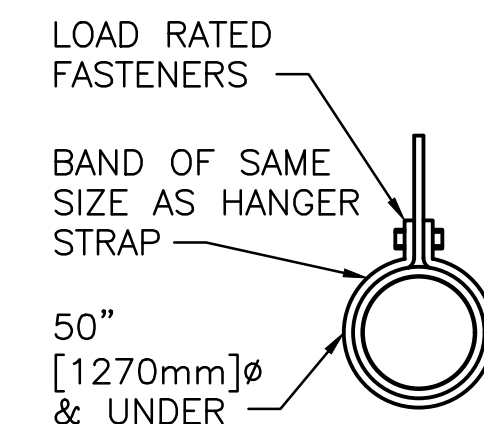
CALL BEFORE YOU DIG: 1-800-424-5555



**IN-LINE FAN - DIRECT DRIVE**

SCALE: NONE

3



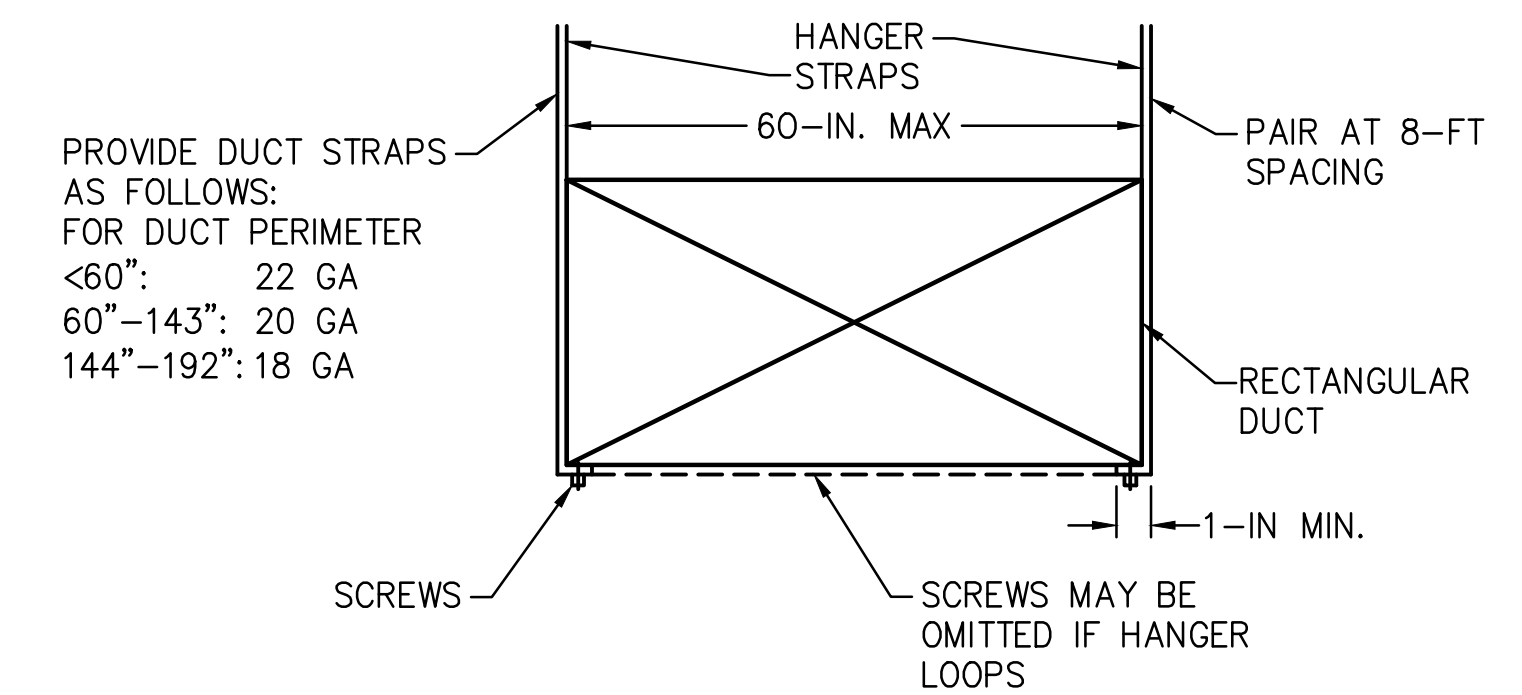
HANGER STRAPS OR RODS			
MAX. DUCT Ø IN. [mm]	QUANTITY/SIZE IN. [mm]	MAX. LOAD LBS. [kg]	MAX. SPACING IN. [mm]
26 [650]	ONE 1 [25] x 22 GA STRAP	260 [119]	144 [3658]
36 [900]	ONE 1 [25] x 18 GA STRAP	420 [190]	144 [3658]
50 [1250]	ONE 1 [25] x 16 GA STRAP	700 [317]	144 [3658]
60 [1500]	TWO 3/8 [10]Ø. RODS	1320 [598]	144 [3658]
84 [2100]	TWO 1/2 [13]Ø RODS	2500 [1133]	144 [3658]

NOTE:  
TABULATED DATA FROM SMACNA  
ALLOWS FOR DUCT REINFORCING AND  
INSULATION, BUT NO EXTERNAL LOAD.  
PROVIDE SEISMIC BRACING PER  
SMACNA REQUIREMENTS.

**ROUND DUCT HANGERS**

SCALE: NONE

1



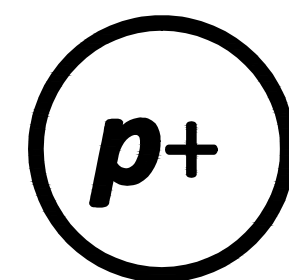
**STRAP HANGERS**

**RECTANGULAR DUCT HANGERS**

SCALE: NONE

2

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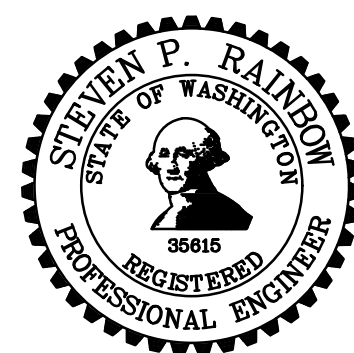
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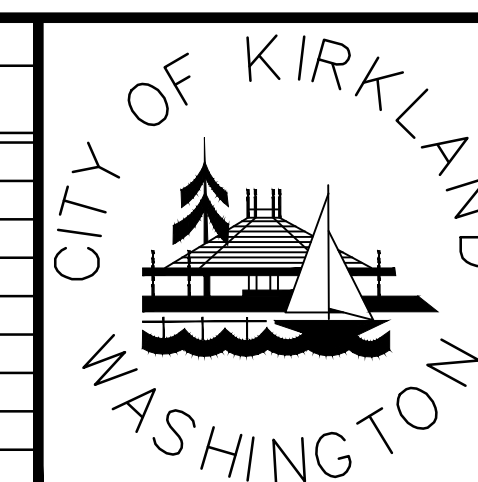


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**JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT**  
**MECHANICAL DETAILS**

SHEET  
**M2.1**

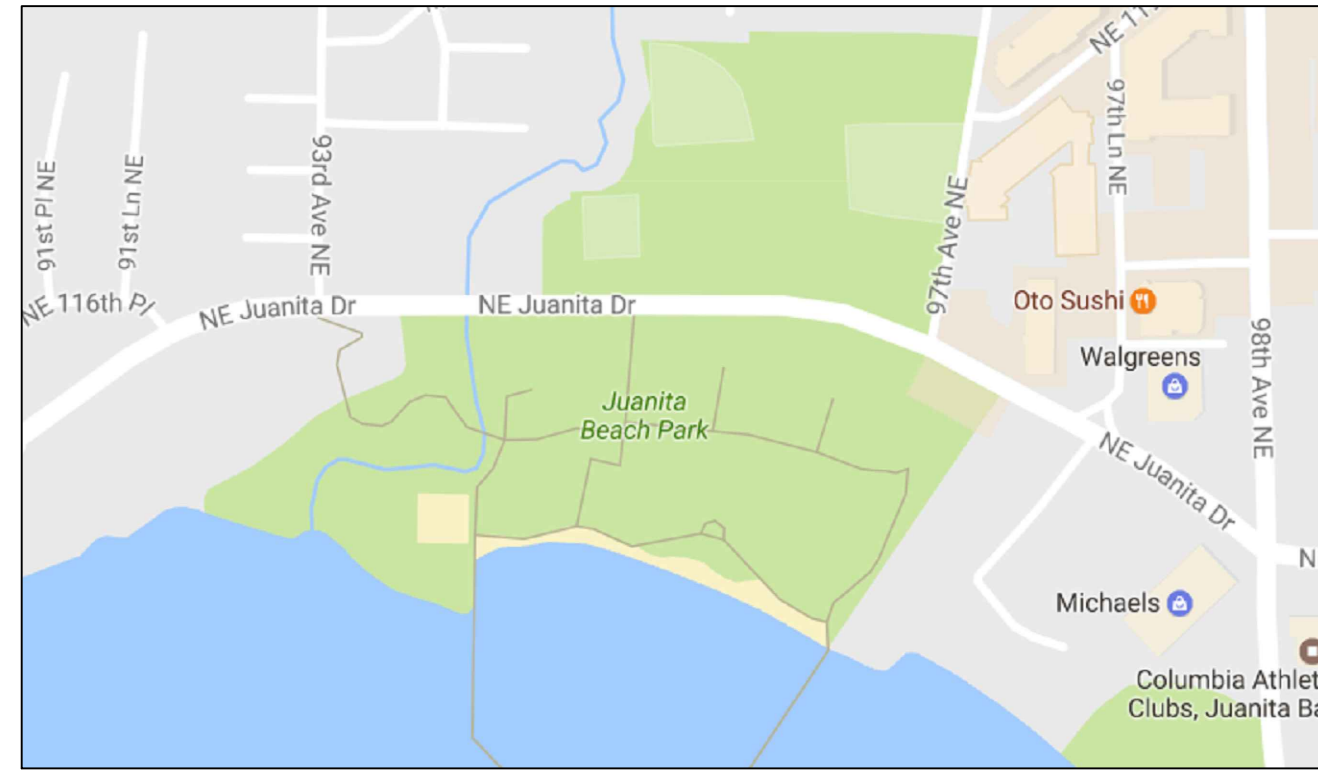
**PLUMBING LEGEND**

GENERAL

SYMBOL	DESCRIPTION
	HEAVY LINE INDICATES NEW WORK
	LIGHT LINE INDICATES EXISTING WORK OR BACKGROUND
	CENTERLINE
	PIPELINE - NORMAL DIRECTION OF FLOW
	KEY NOTE CALLOUT
	REVISION CALLOUT
	PLUMBING FIXTURE OR DRAIN CALLOUT, SEE SCHEDULE
	POINT OF CONNECTION
	INDICATES DIAMETER OR ROUND
	DETAIL CALLOUT:
	INDICATES DETAIL NUMBER
	SHEET NUMBER WHERE DETAIL IS DRAWN
	SECTION CALLOUT:
	INDICATES DIRECTION OF CUTTING PLANE
	INDICATES SECTION LETTER
	SHEET NUMBER WHERE SECTION IS DRAWN

PLUMBING AND PIPING

SYMBOL	DESCRIPTION
	COLD WATER
	HOT WATER
	SOIL OR WASTE - ABOVE GROUND
	SOIL OR WASTE - BELOW GROUND
	VENT
	RAIN WATER LEADER
	CONDENSATE DRAIN
	PIPE TURNING UP OR TOWARD
	PIPE TURNING DOWN OR AWAY
	FLOOR DRAIN
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	CALIBRATED BALANCING VALVE
	BALL VALVE
	PRESSURE REGULATING VALVE
	UNION
	VENT THROUGH ROOF
	WALL HYDRANT/HOSE BIBB
	BACKFLOW PREVENTER



VICINITY PLAN

no scale

**ABBREVIATIONS**

A/E	ARCHITECT/ENGINEER
AFF	ABOVE FINISHED FLOOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS'
A/E	ARCHITECT/ENGINEER
BTU	BRITISH THERMAL UNIT
CO	CLEANOUT
CONT	CONTINUATION
CW	COLD WATER
DEG	DEGREE
DIA	DIAMETER
DN	DOWN
(E)EXIST	EXISTING
F	FAHRENHEIT
FD	FLOOR DRAIN
FPM	FEET PER MINUTE
FT	FEET/FOOT
GPM	GALLONS PER MINUTE
HW	HOT WATER
IBC	INTERNATIONAL BUILDING CODE
IE	INVERT ELEVATION
IN	INCH
KW	KILOWATT
LBS	POUNDS
MAX	MAXIMUM
MCA	MINIMUM CURRENT AMPACITY
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE PRESSURE
RPM	REVOLUTIONS PER MINUTE
SF	SUPPLY FAN/SQUARE FEET
SPEC	SPECIFICATION
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UL	UNDERWRITERS' LABORATORIES, INC.
UPC	UNIFORM PLUMBING CODE
V	VENT/VOLTS
VTR	VENT THROUGH ROOF
W	WASTE/WATT
WG	WATER GAGE
WAC	WASHINGTON ADMINISTRATIVE CODE
WG	WATER GAGE
WISHA	WASHINGTON INDUSTRIAL SAFETY & HEALTH
WSEC	WASHINGTON STATE ENERGY CODE

**GENERAL NOTES**

1. THE PLUMBING SYSTEM SHALL CONSIST OF ALL WORK SHOWN ON DRAWINGS, DIAGRAMS, AND AS DESCRIBED IN SPECIFICATIONS.
2. INSTALL ALL PLUMBING WORK AS HIGH AS POSSIBLE, TIGHT TO STRUCTURE ABOVE.
3. THE PLUMBING PLANS ARE DIAGRAMMATIC IN NATURE AND DO NOT ATTEMPT TO SHOW ALL REQUIRED OFFSETS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR CONSTRUCTION DETAILS.
4. ITEMS NOTED "TYPICAL" OR "TYP" ON ANY SHEET APPLY TO THAT PARTICULAR SHEET.
5. COORDINATE WITH SPECIFICATIONS. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE STRINGENT SHALL APPLY.
6. PROVIDE NEC CODE MINIMUM HORIZONTAL AND VERTICAL WORKING CLEARANCES FOR ALL ELECTRICAL PANELS AND EQUIPMENT. OFFSET PLUMBING WORK AS REQUIRED.
7. COORDINATE ALL PLUMBING WORK WITH THAT OF OTHER TRADES TO INSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK OF THIS CONTRACTOR. PROVIDE COORDINATED SHOP DRAWINGS PRIOR TO FABRICATION AND INSTALLATION.
8. VERIFY EXISTING CONDITIONS BEFORE COMMENCING ANY WORK ON AN EXISTING PLUMBING SYSTEM.
9. COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES WITH CASEWORK AND ARCHITECTURAL DRAWINGS.

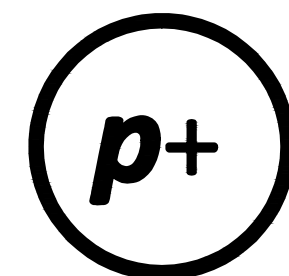
**PLUMBING NOTES**

1. PROVIDE WATER HAMMER ARRESTORS AT THE END OF HOT AND COLD WATER LINES SERVING TWO OR MORE FIXTURES: SIZE IN ACCORDANCE WITH WITH PDI REQUIREMENTS. ACCESS NOT REQUIRED.
2. PLUMBING CONTRACTOR TO PROVIDE SHUT-OFF VALVES TO ALL PLUMBING EQUIPMENT AND FIXTURES. COORDINATE ACCESS PANELS WITH ARCHITECT AS REQUIRED.
3. FOR PIPING PENETRATIONS OF FLOORS AND WALLS, REFER TO DETAILS ON SHEET P2.1.
4. PROVIDE TRAP PRIMERS TO ALL NEW FLOOR DRAINS. COORDINATE ACCESS WITH GENERAL CONTRACTOR.
5. PROVIDE PIPE INSULATION PER WSEC. REFER TO DETAIL ON SHEET P2.1.
6. SLOPE DOMESTIC WATER PIPING AND PROVIDE HOSE END DRAIN VALVES AS REQUIRED FOR SYSTEM DRAINAGE.
7. PROVIDE CLEANOUTS IN ACCORDANCE WITH UPC REQUIREMENTS. REFER TO DETAILS ON SHEET P2.1.
8. FOR PIPE HANGER DETAILS AND CONNECTIONS TO STRUCTURE, REFER TO DETAILS ON SHEET P2.2.

**APPLICABLE CODES**

PROJECT SHALL COMPLY WITH THE FOLLOWING BUILDING CODES WITH LOCAL AND WASHINGTON STATE AMENDMENTS:

1. 2015 INTERNATIONAL BUILDING CODE
2. 2015 UNIFORM PLUMBING CODE
3. 2015 WASHINGTON STATE ENERGY CODE



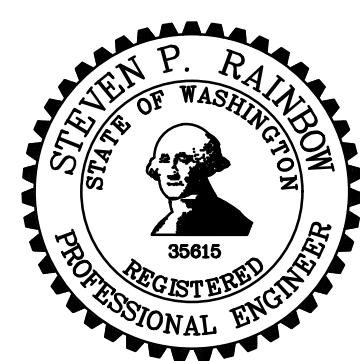
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Phone: 206.235.6002  
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CPK 0119 100

JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
**LEGEND, ABBREVIATIONS, NOTES**

SHEET

P0.1

PLUMBING FIXTURE CONNECTIONS											
MARK		P1	P1A	P2	P3	P4	P5	P6	P7	P8	P9
DESCRIPTION		FLUSH VALVE	ADA FLUSH VALVE	FLUSH VALVE	COUNTERTOP	WALL MOUNTED	MOP BASIN	COUNTERTOP	ADA WALL MOUNT	FREEZE PROOF	SHOWER
		WATER CLOSET	WATER CLOSET	URINAL	LAVATORY	LAVATORY	FLOOR	SINK	DRINKING FOUNTAIN	HOSE BIB	
ROUGH-IN	COLD WATER: IN	1-1/2	1-1/2	3/4	1/2	1/2	1/2	1/2	1/2	3/4	3/4
	HOT WATER: IN	-	-	-	1/2	1/2	1/2	1/2	1/2	-	-
	WASTE: IN	3	3	2	1-1/2	1-1/2	3	1-1/2	1-1/2	-	-
	VENT: IN	2	2	2	1-1/2	1-1/2	2	1-1/2	1-1/2	-	-
REMARKS		[2]	[1, 2]	[1, 2]	[3]	[1, 3]	[4]	[3]	-	-	-

NOTES:

1. ADA MOUNTING HEIGHT.
2. FURNISH WITH CHAIR CARRIER, SEE ARCH. FOR MTG HEIGHT.
3. FURNISH WITH CHROME SUPPLIES WITH LOOSE KEY STOPS.
4. MOUNT FAUCET 36" AFF.

FLOOR DRAINS			
MARK		D1	
DESCRIPTION		FLOOR DRAIN	
SIZE	PIPE SIZE: IN	2	
	SIZE: IN	6" DIA.	
	TRAP PRIMER: IN	1/2	
MATERIAL	BODY	DUCO CI	
	STRAINER / GRATE	NICK. BRO.	
BASIS OF DESIGN	MANUFACTURER	ZURN	
	MODEL	Z415B	
REMARKS	NOTES	[1]	

NOTES:

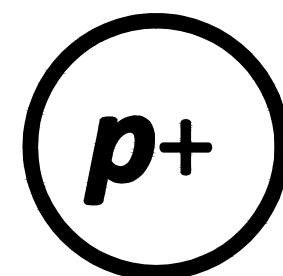
1. SEE DETAIL 3 ON SHEET P2.1.

WATER HEATERS: ELECTRIC				
MARK		WH-1	WH-2	WH-3
LOCATION		UTILITY	UTILITY	STORAGE
CAPACITY	TYPE	TANK	TANK	TANK
	TANK CAPACITY: GALS	15	15	6
	RECOVERY: GPH [1]	19	19	8
ELECTRICAL	WATTAGE: KW	4	4	1.5
	VOLTS/PHASE	208/1	208/1	208/1
	FULL LOAD AMPS	19.2	19.2	7.2
UNIT WEIGHT	SHIP WEIGHT: LBS	66	66	35
BASIS OF DESIGN	MANUFACTURER	AO SMITH	AO SMITH	AO SMITH
	MODEL	DEL-15	DEL-15	DEL-6
	REMARKS	[2]	[2]	[2]

1. RECOVERY CAPACITY AT 80°F TEMPERATURE RISE.
2. REFER TO INSTALLATION DETAIL 5 ON SHEET P2.2.

PLUMBING PIPE INSULATION					
FLUID	INSULATION CONDUCTIVITY		NOMINAL PIPE SIZE (IN.)		
	CONDUCTIVITY RANGE BTU-IN/h-ft <sup>2</sup> -F 0.22 - 0.28	MEAN RATING TEMP °F	<1	1 TO <1-1/2	1-1/2 TO <4
CW	0.21-0.27	75	0.5	0.5	0.5
HW	0.21-0.28	100	1.0	1.0	1.5

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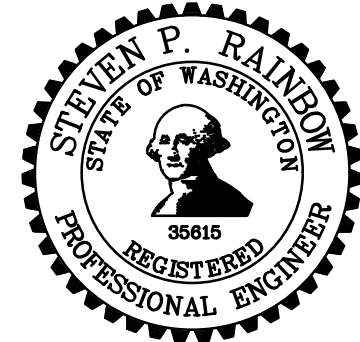


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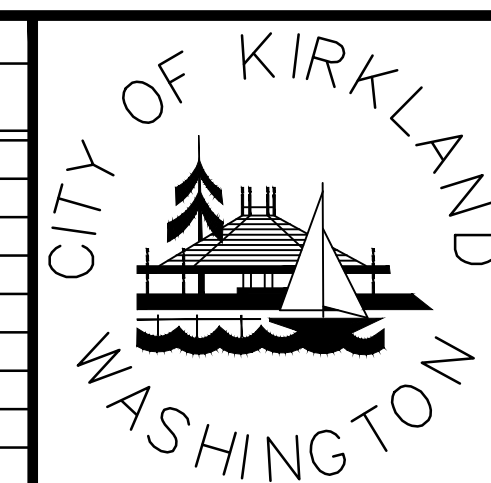
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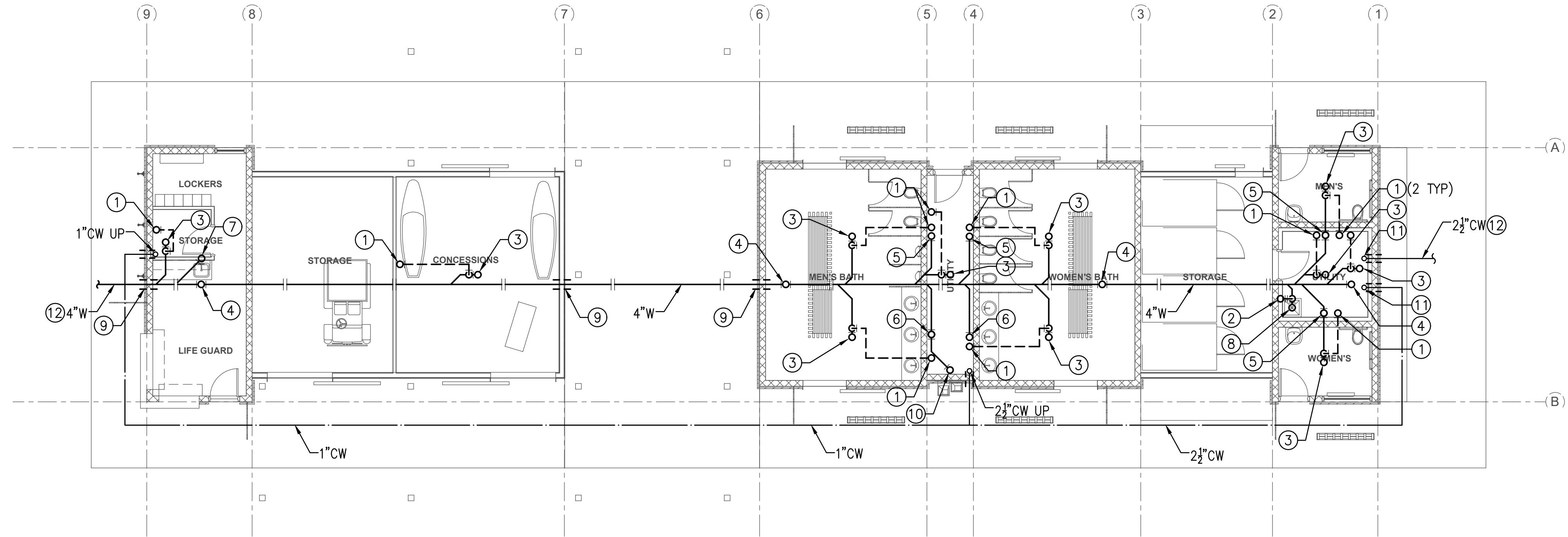
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JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
PLUMBING SCHEDULES

SHEET

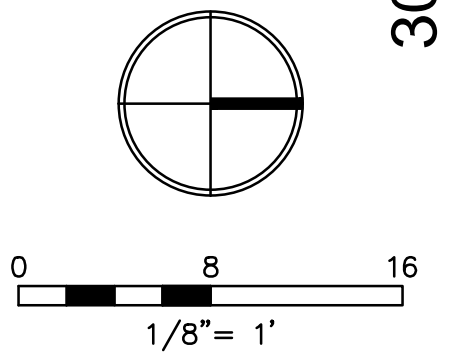
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**KEY NOTES:**

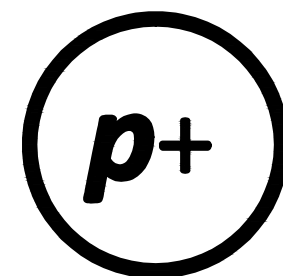
- ① 1½"V UP.
- ② 2"V UP.
- ③ 2"W UP TO D1
- ④ UP TO CLEANOUT.
- ⑤ 4"W UP.
- ⑥ 2"W UP.
- ⑦ 2"W UP TO P-6.
- ⑧ 3"W UP TO P-5.
- ⑨ SCHEDULE 40 STEEL SLEEVE AT FOOTING PENETRATION.
- ⑩ 1½"W UP TO P-7.
- ⑪ 2½"CW UP.
- ⑫ SEE CIVIL PLAN UTILITY PLAN FOR CONTINUATION.



① BATHHOUSE - PLUMBING FOUNDATION PLAN  
1/8" = 1'-0"



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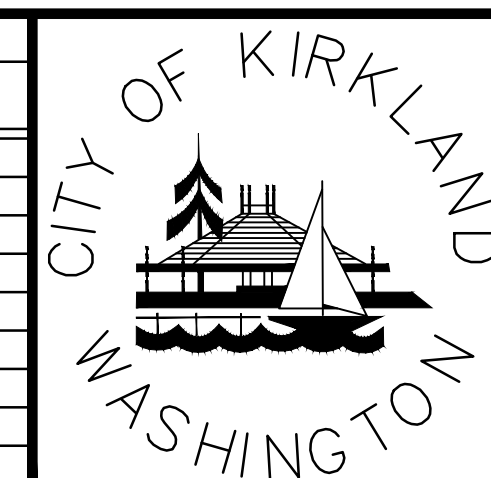
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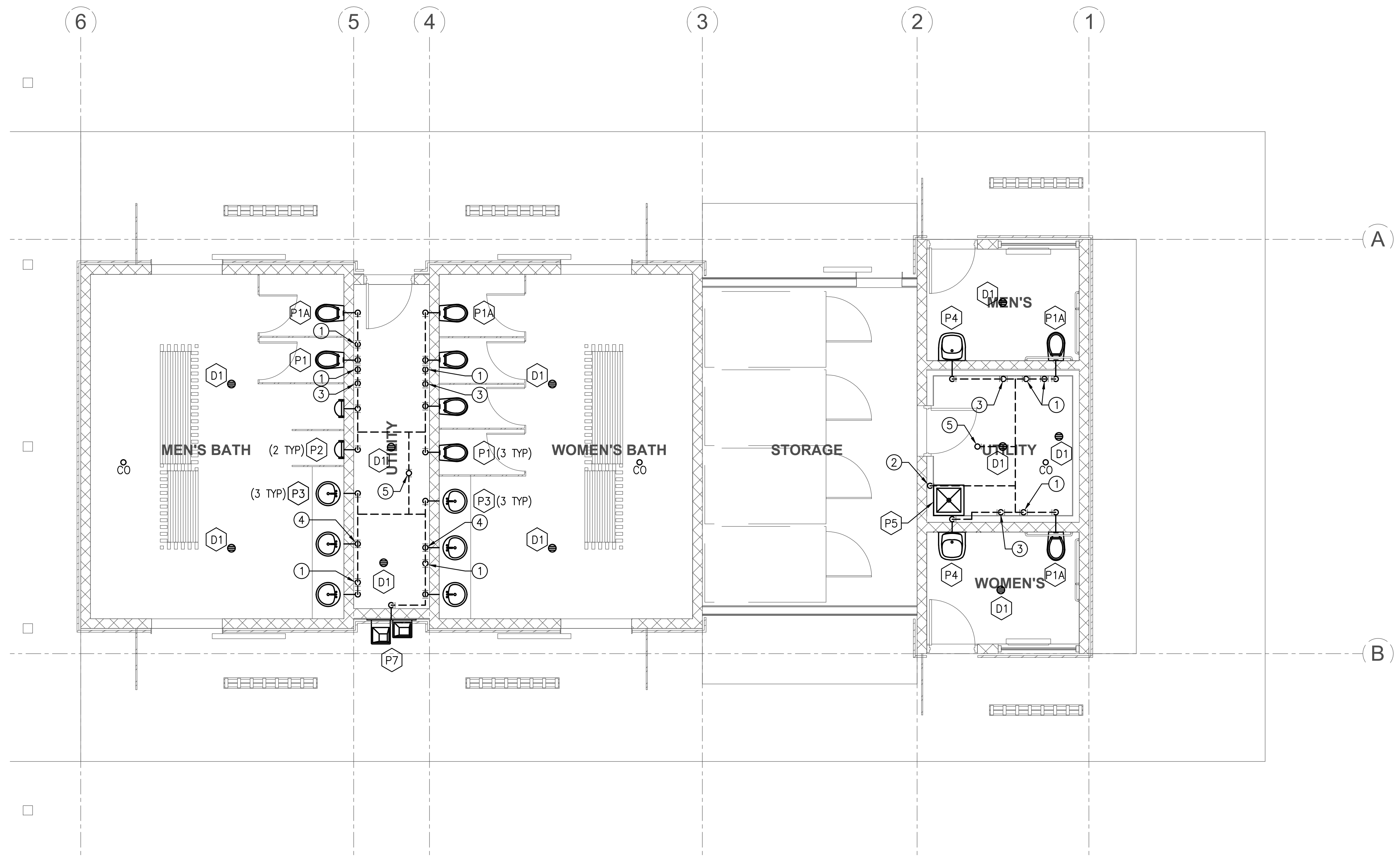
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PLUMBING FOUNDATION PLAN

SHEET

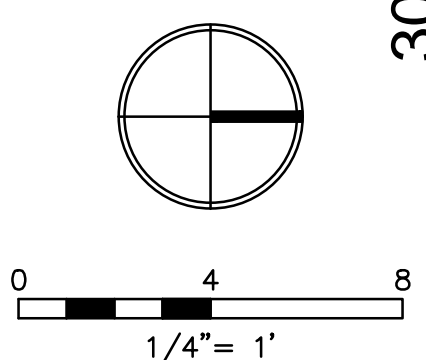
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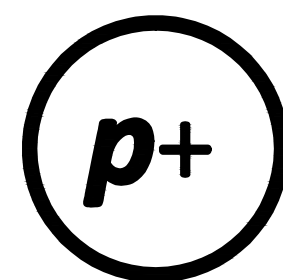
- ① 1½" V DOWN.
- ② 2" V DOWN.
- ③ 4" W DOWN.
- ④ 2" W DOWN.
- ⑤ 3" V UP THRU ROOF.



① NORTH BUILDING - DRAIN, WASTE & VENT PLUMBING PLAN  
1/4" = 1'-0"



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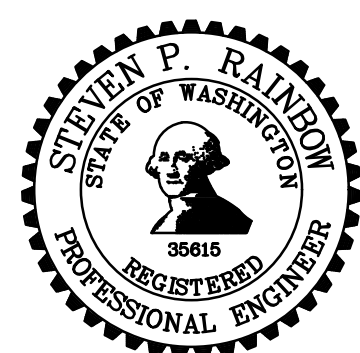


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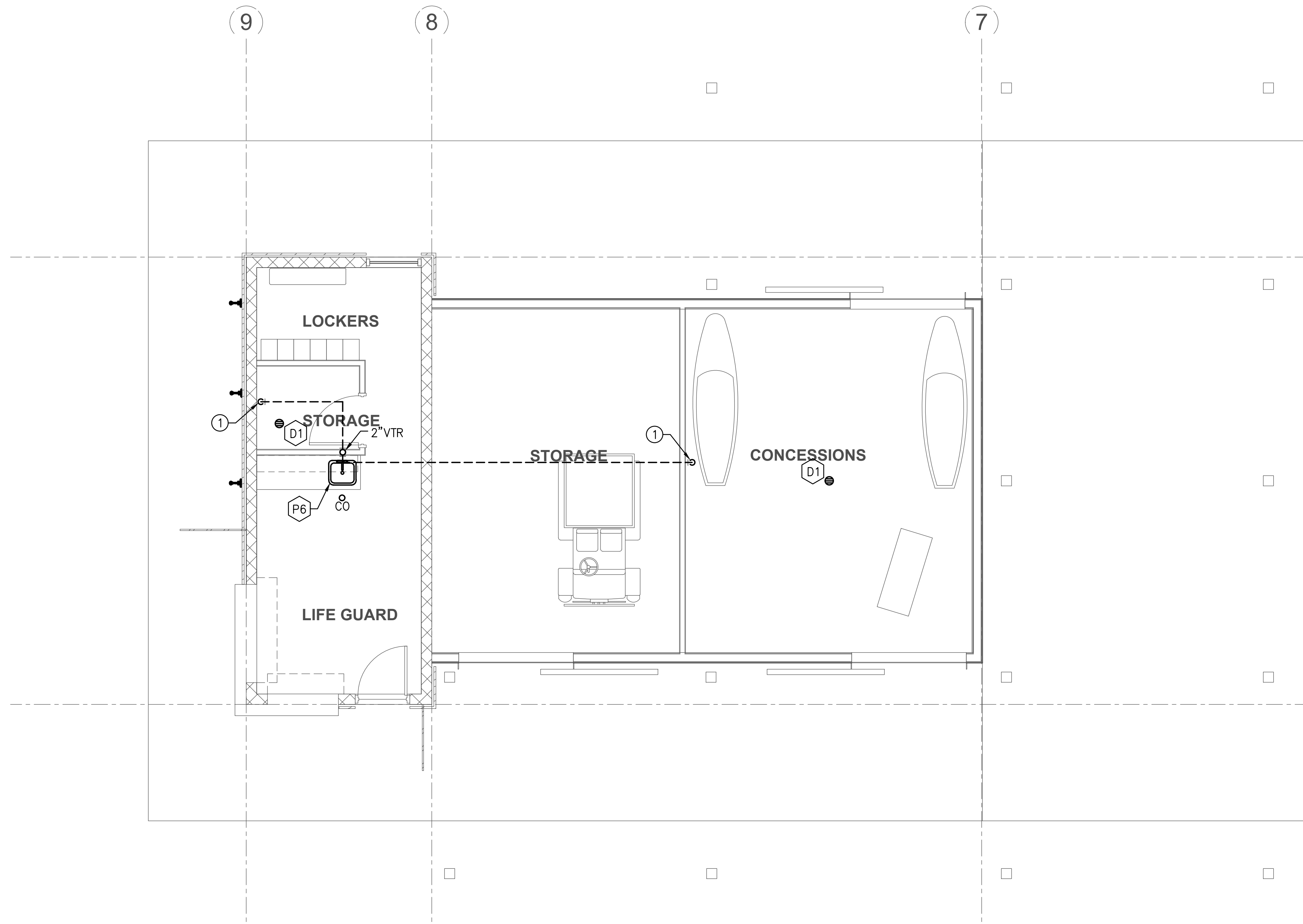
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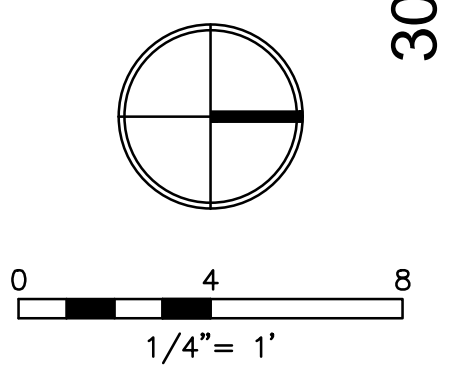
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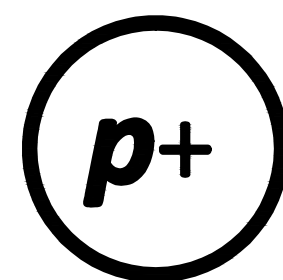
① 1½" V DOWN.



① SOUTH BUILDING - DRAIN, WASTE & VENT PLUMBING PLAN  
1/4" = 1'-0"



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STATE OF WASHINGTON  
REGISTERED  
PROFESSIONAL ENGINEER  
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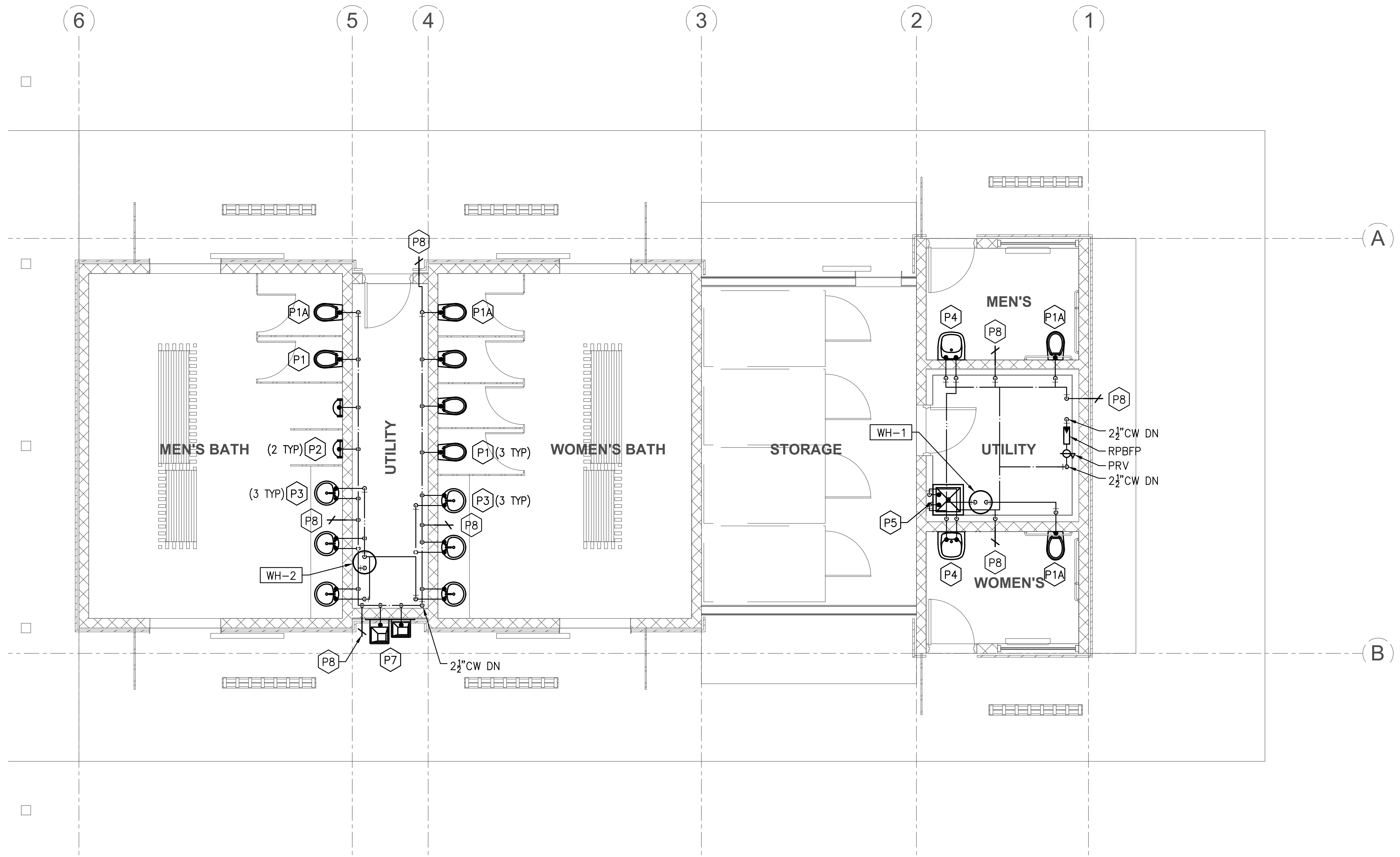
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WASTE & VENT SOUTH PLAN

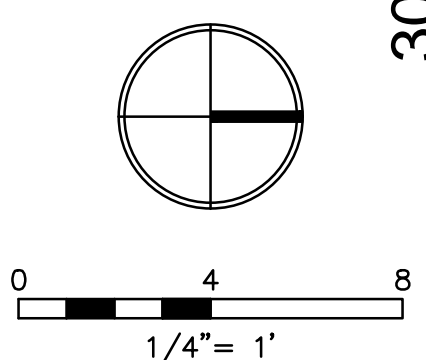
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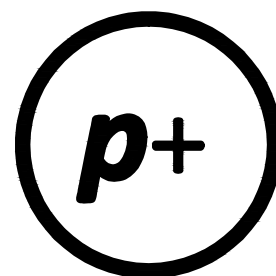
- ① 1½" V DOWN.
- ② 2" V DOWN.
- ③ 4" W DOWN.
- ④ 2" W DOWN.
- ⑤ 3" V UP THRU ROOF.



① NORTH BUILDING - DOMESTIC WATER PLUMBING PLAN  
1/4" = 1'-0"



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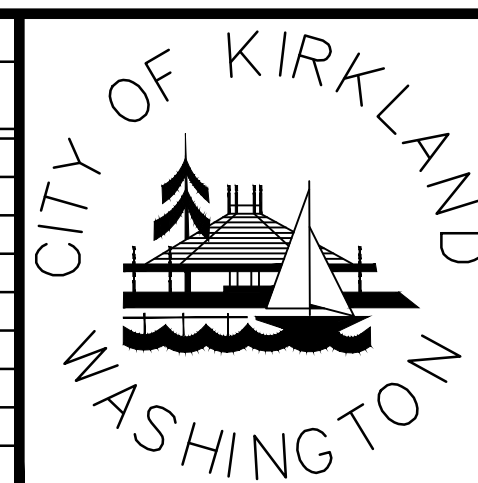
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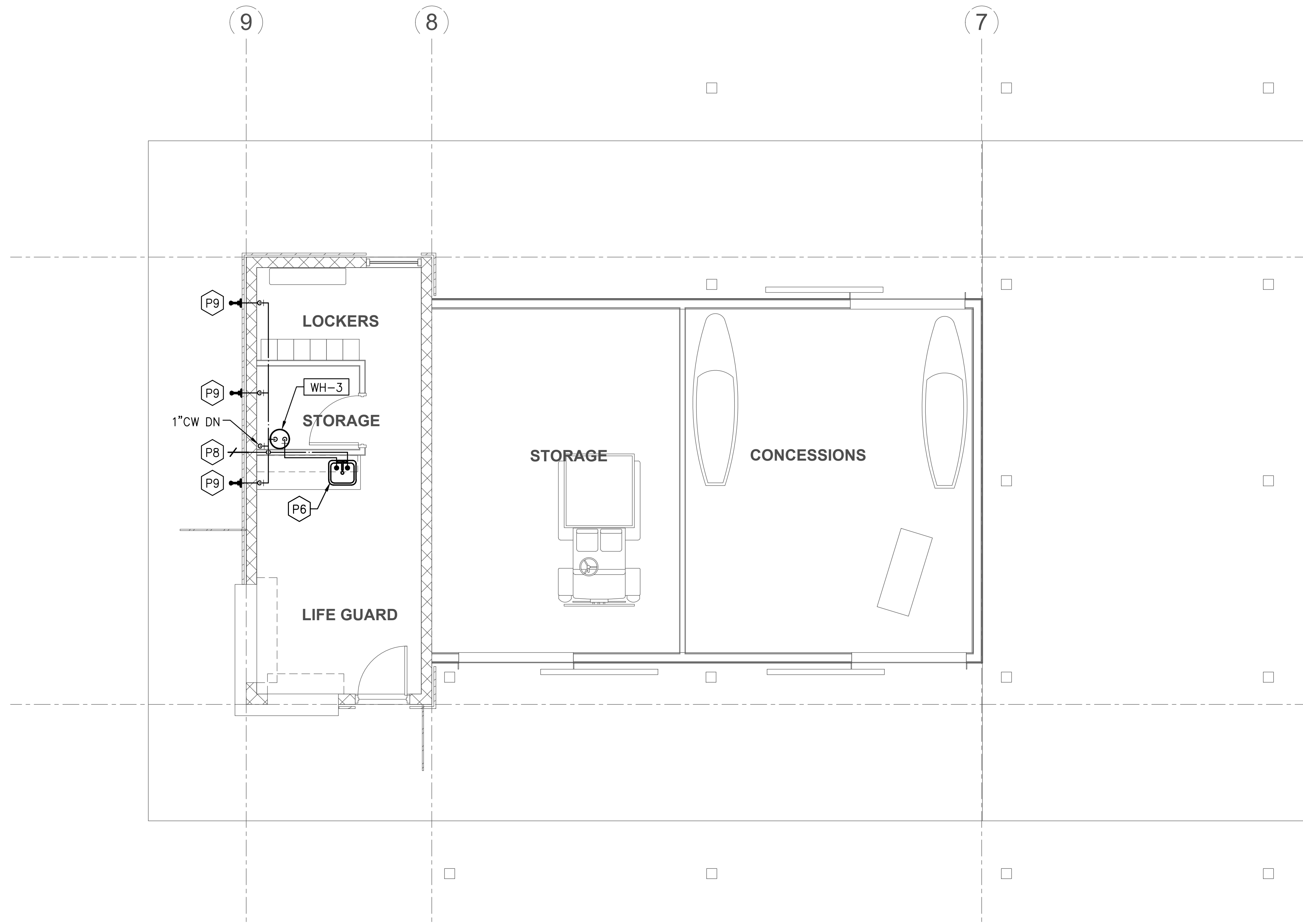


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BATHHOUSE REPLACEMENT  
DOMESTIC WATER NORTH PLAN**

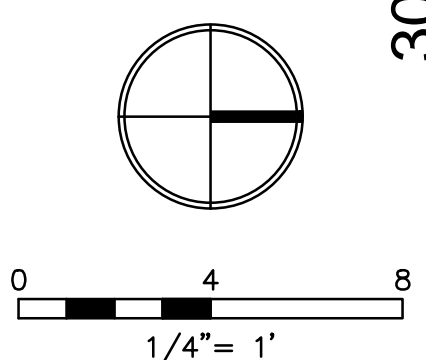
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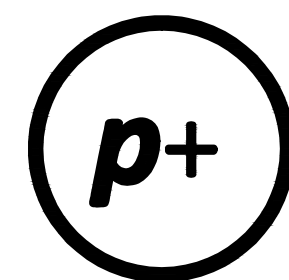
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1 SOUTH BUILDING - DOMESTIC WATER PLUMBING PLAN  
1/4" = 1'-0"



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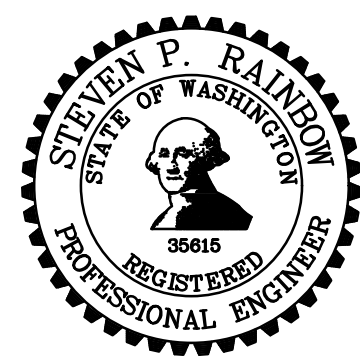
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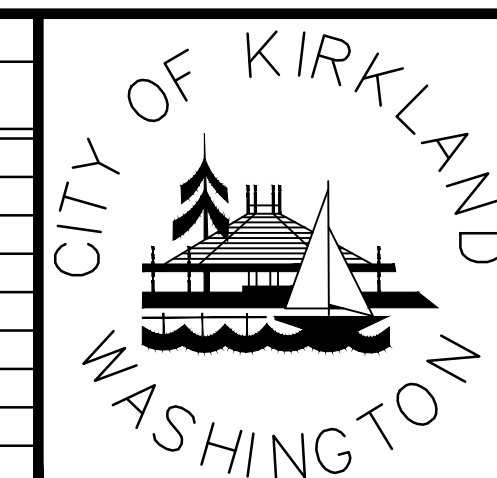
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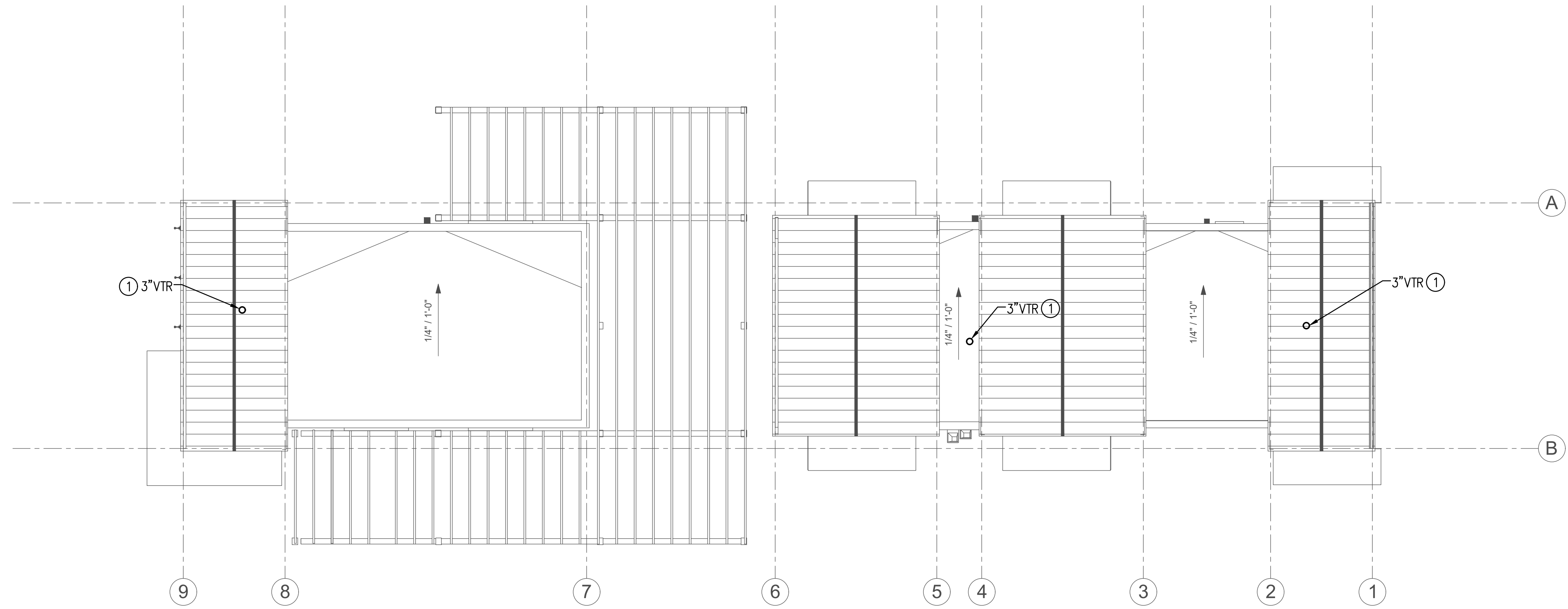
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DOMESTIC WATER SOUTH PLAN

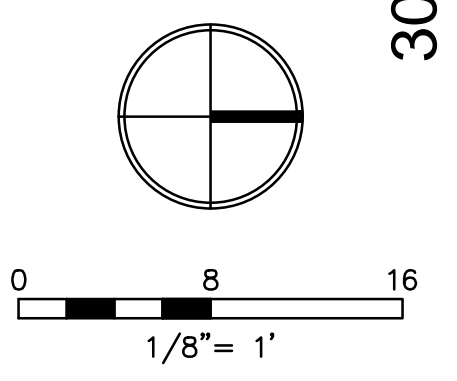
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P1.4

**KEY NOTES:**

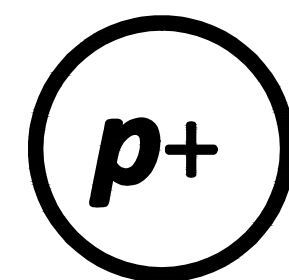
① FOR PLUMBING VENT TERMINATION INSTALLATION, REFER TO DETAIL 1 ON SHEET P2.1.



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



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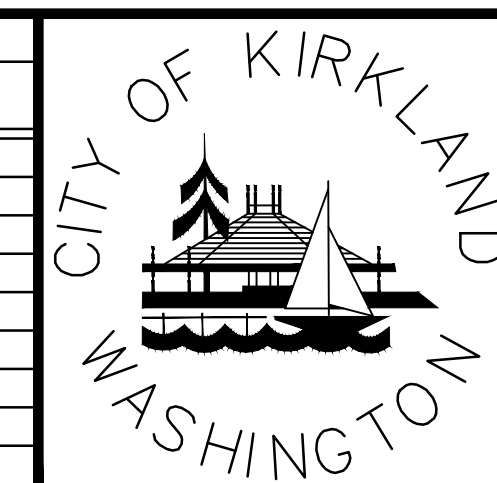
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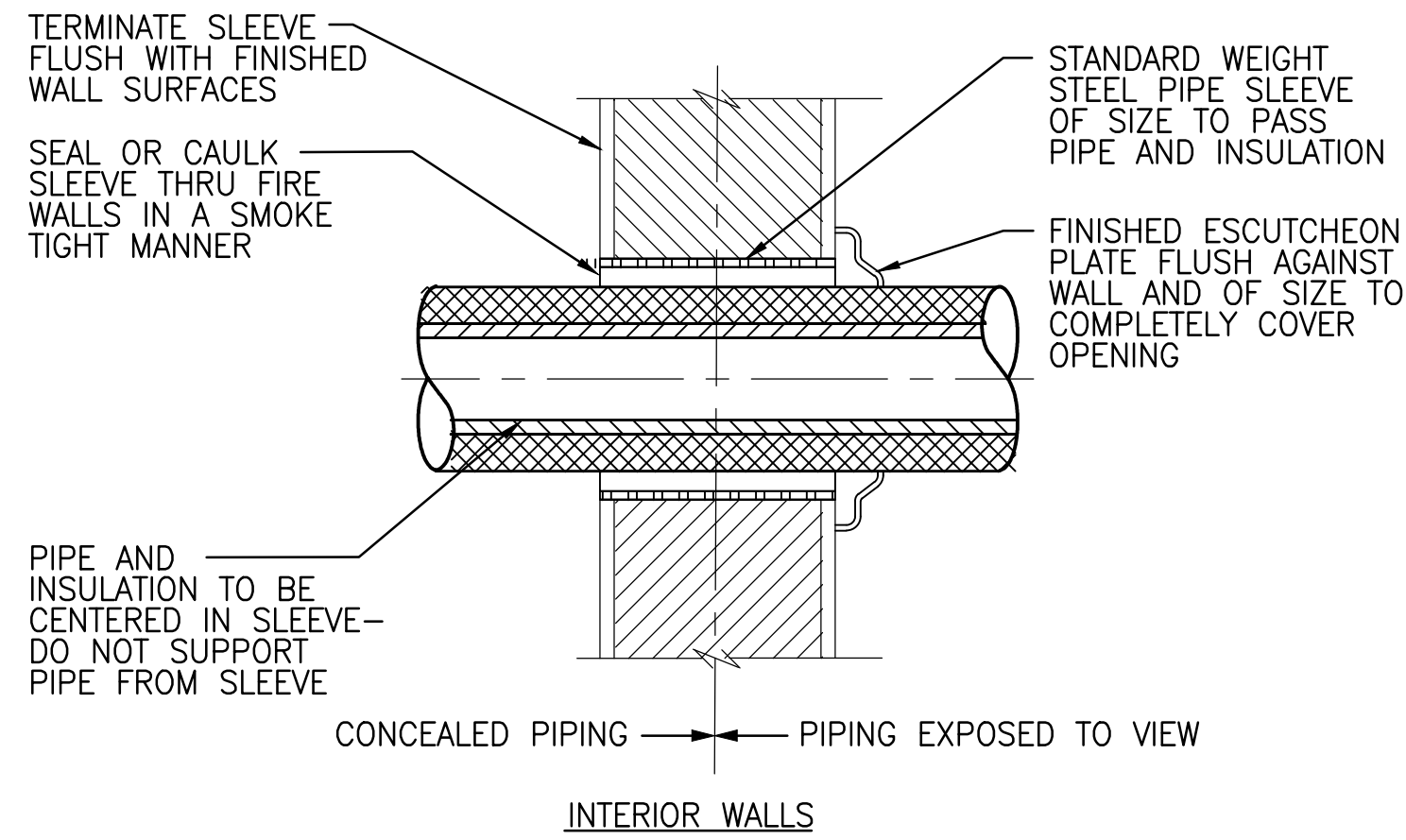
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PLUMBING ROOF PLAN

SHEET  
P1.5

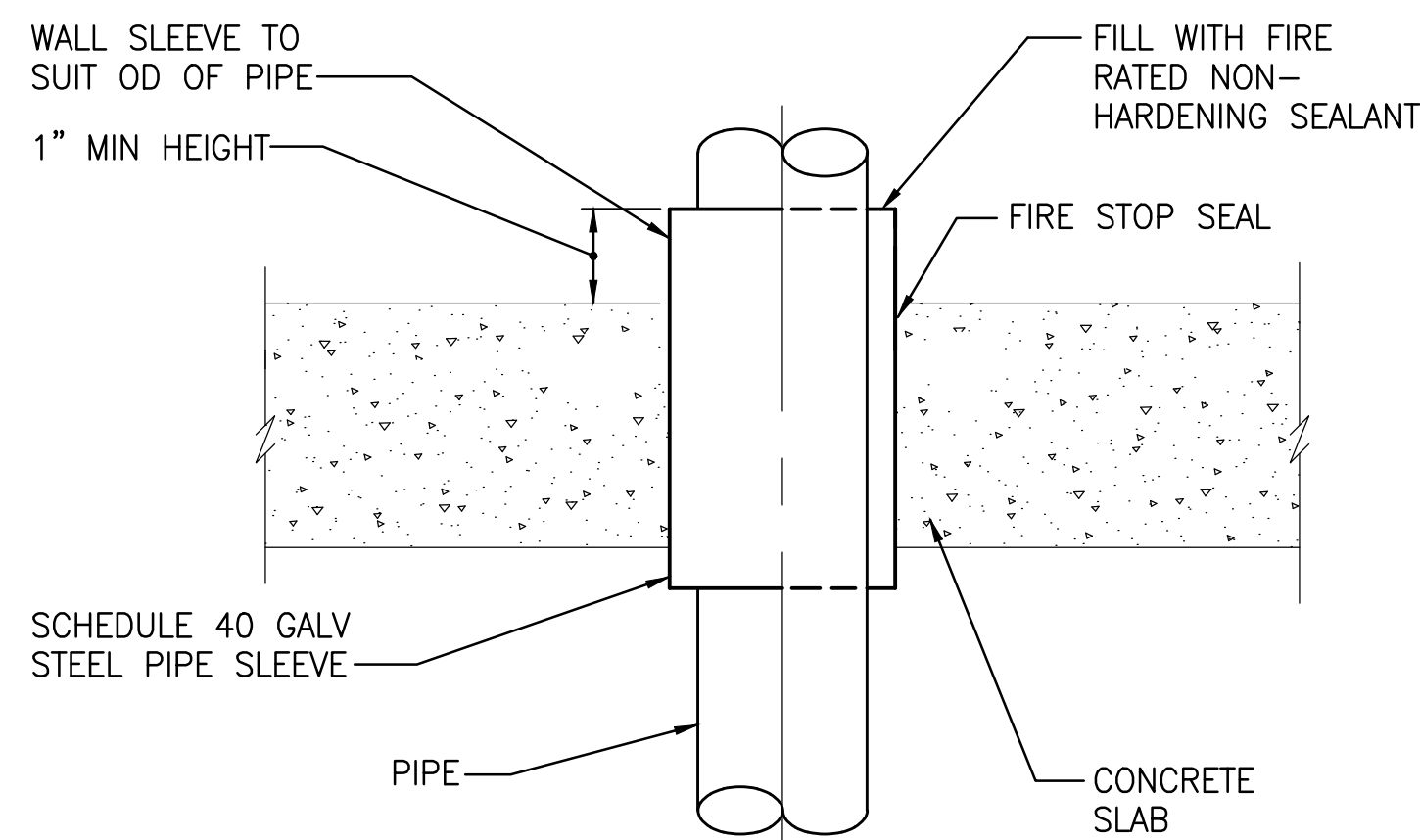
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**PIPE SLEEVES THROUGH WALLS**

SCALE: NONE

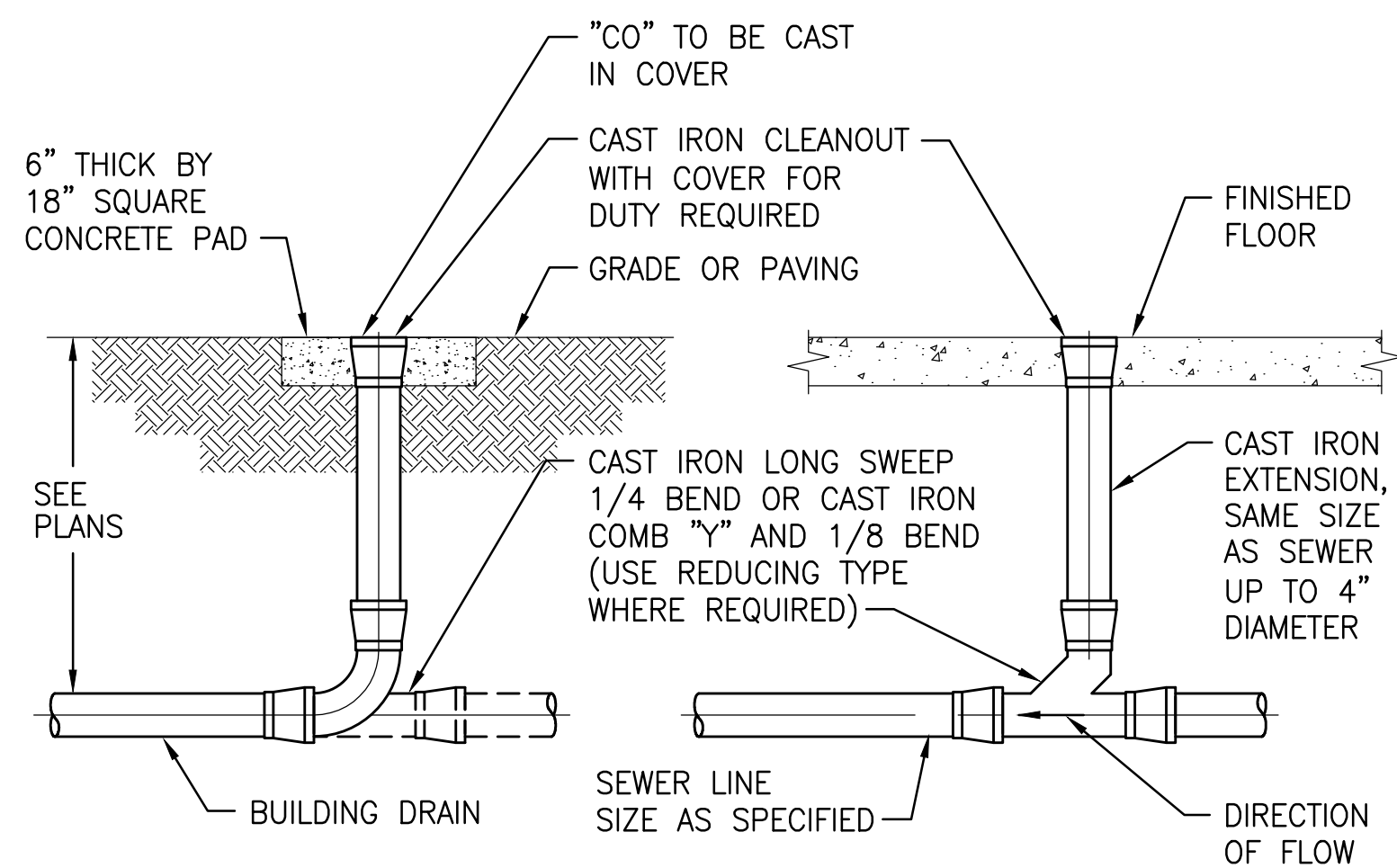
5



**FLOOR SLEEVE**

SCALE: NONE

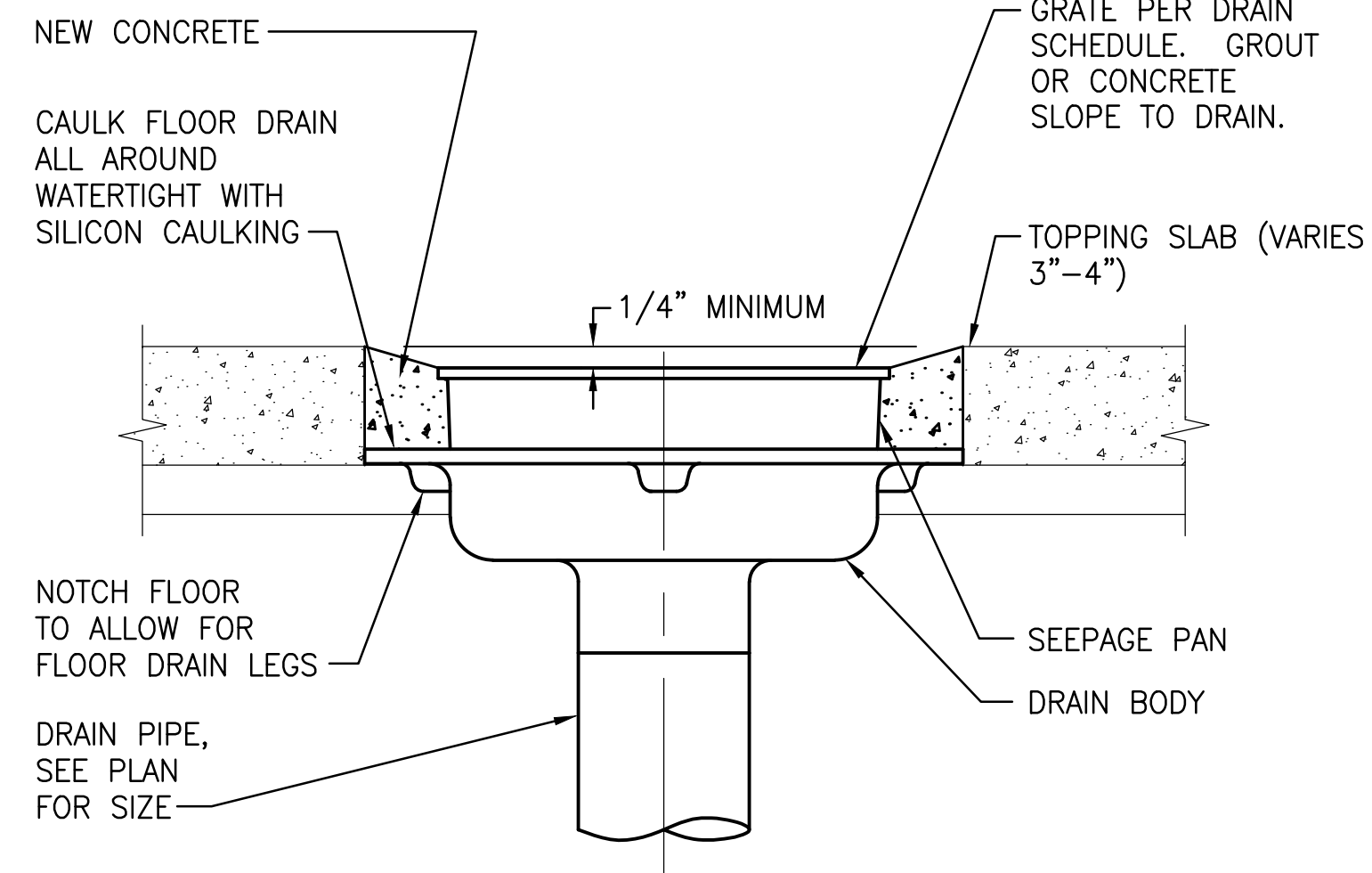
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**FLOOR CLEANOUTS**

SCALE: NONE

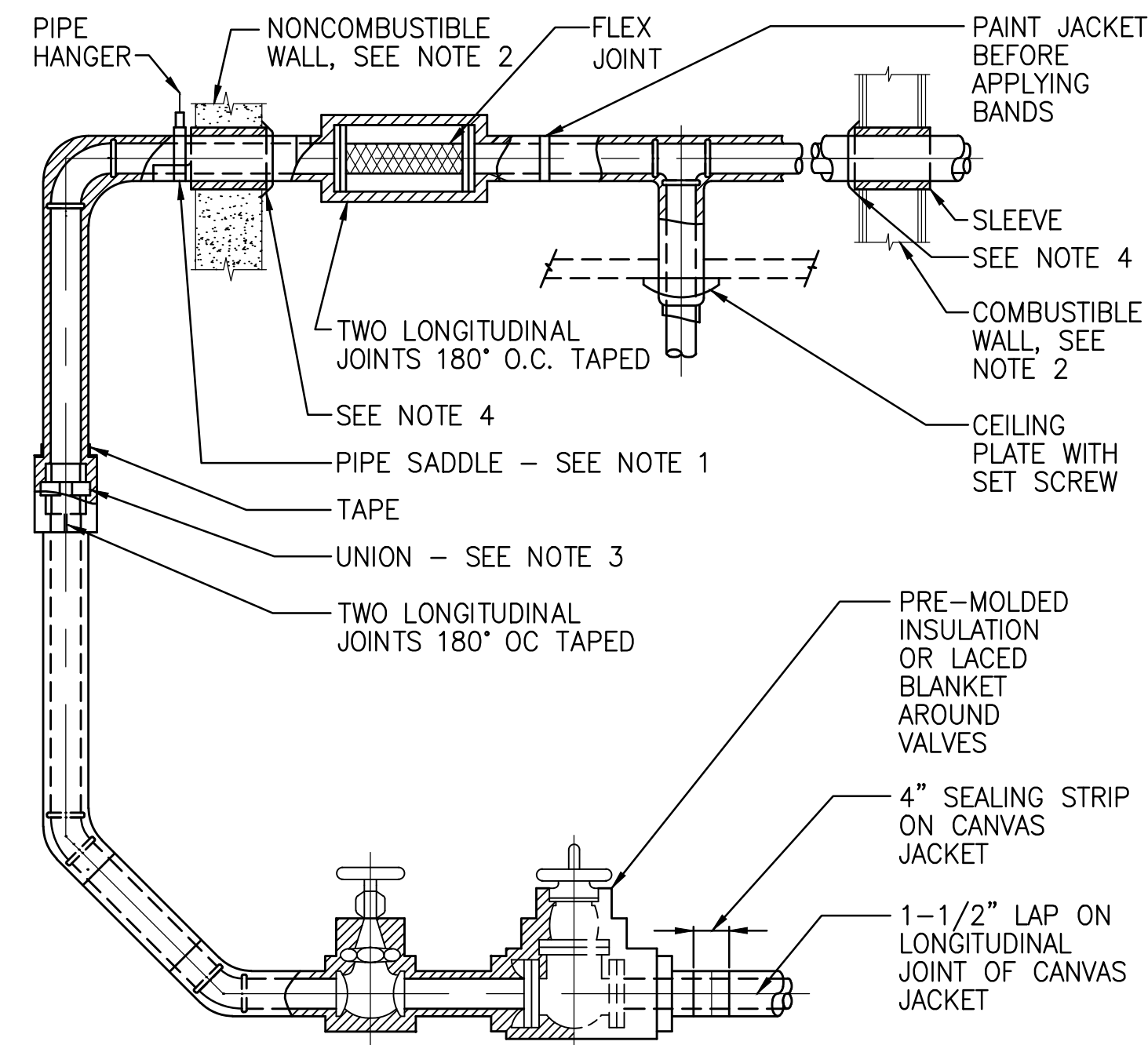
7



**FLOOR DRAIN INSTALLATION**

SCALE: NONE

3



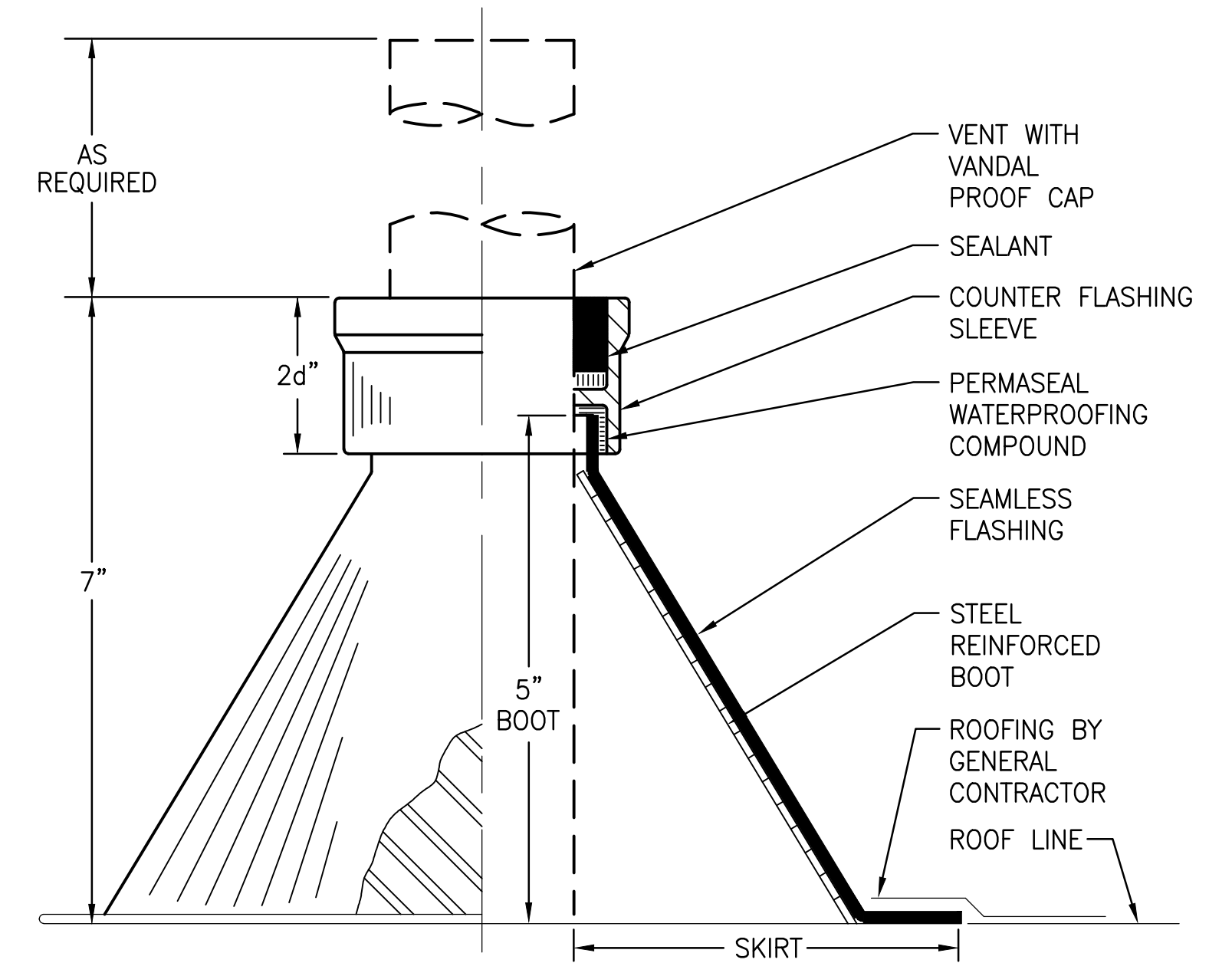
**NOTES:**

1. PIPE SADDLES REQUIRED ON ALL INSULATED LINES AT HANGERS.
2. INSULATION SHOULD BE CONTINUOUS THRU WALL WITH A 1/4" SPACE BETWEEN INSULATION AND SLEEVE UNLESS OTHERWISE SPECIFIED.
3. DO NOT INSULATE UNIONS IN HEATING SYSTEMS.
4. ESCUTCHEON PLATE IN AREAS EXPOSED TO VIEW.

**PIPE INSULATION**

SCALE: NONE

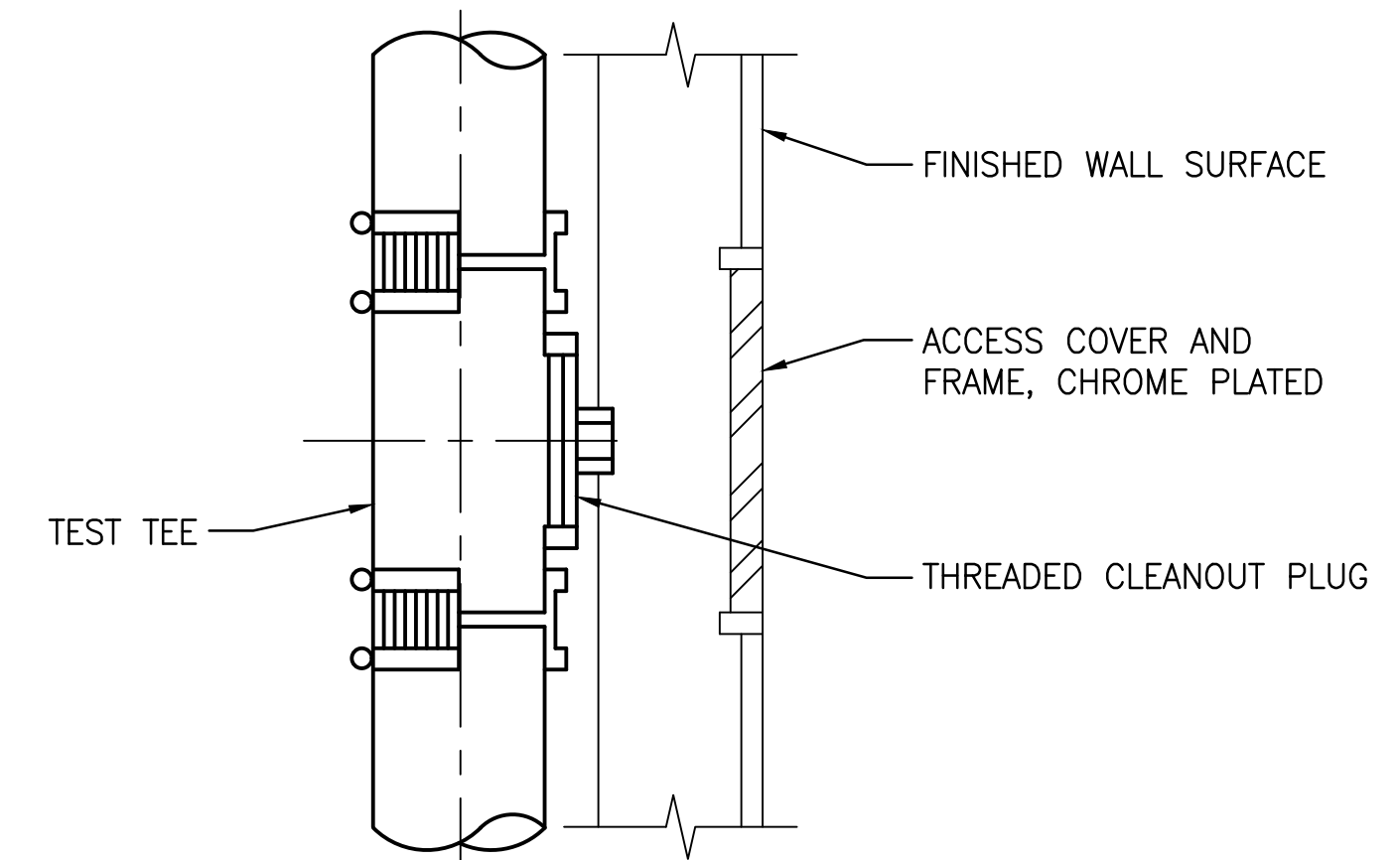
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**VENT THROUGH ROOF**

SCALE: NONE

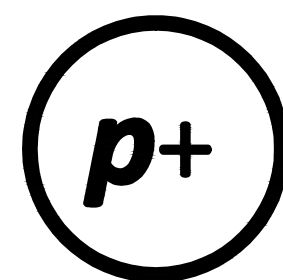
1



**WALL CLEANOUTS**

SCALE: NONE

2



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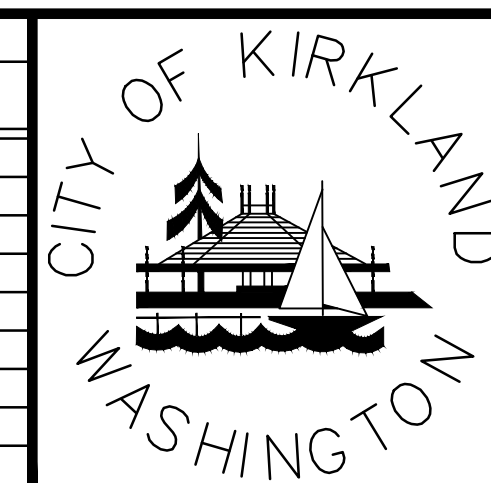
PATANO STUDIO ARCHITECTURE  
603 STEWART ST. SUITE 500  
SEATTLE, WA 98101



336 NW 50th Street, Seattle, WA 98107  
Phone: 206.235.6002  
rainbowconsulting-me.com



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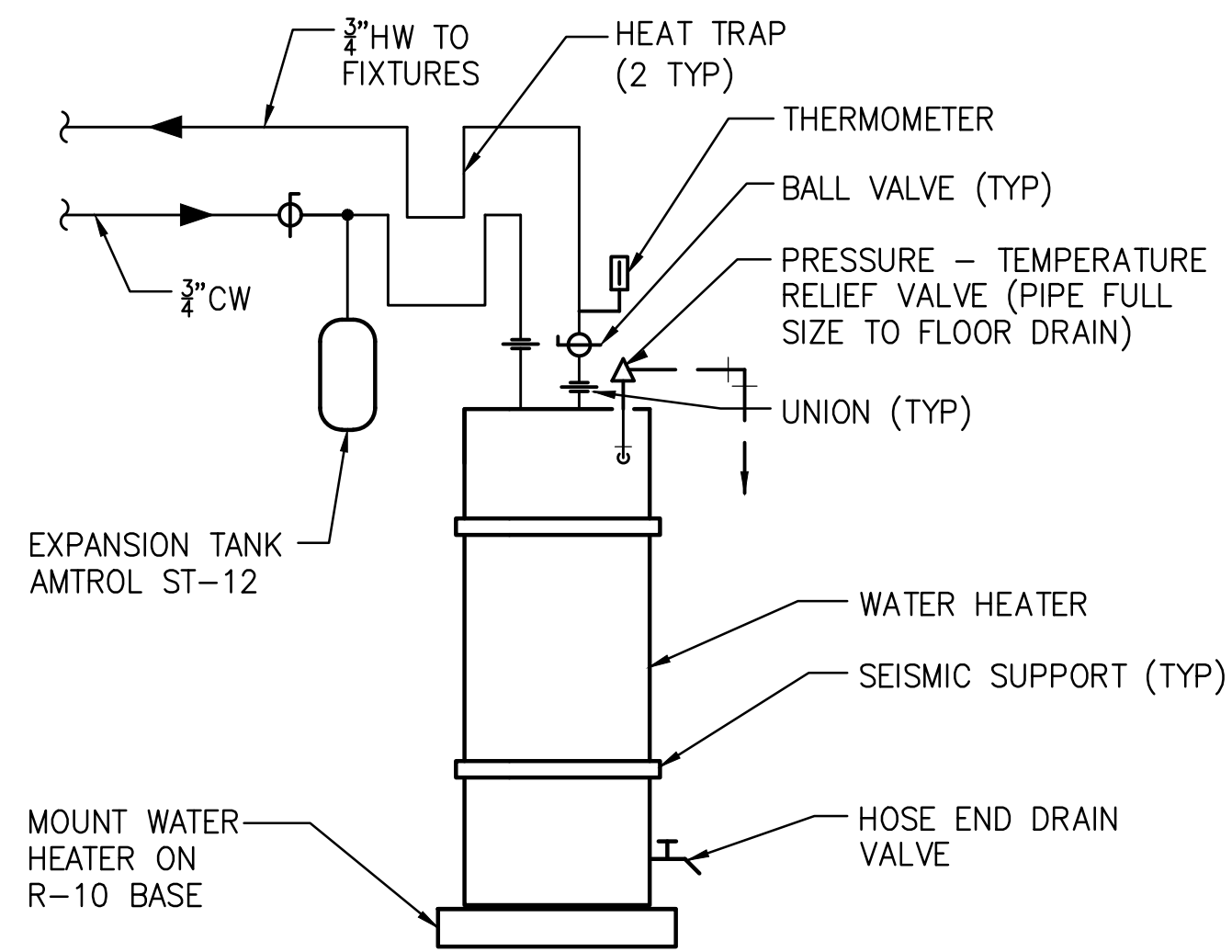


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JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
PLUMBING DETAILS

SHEET

P2.1

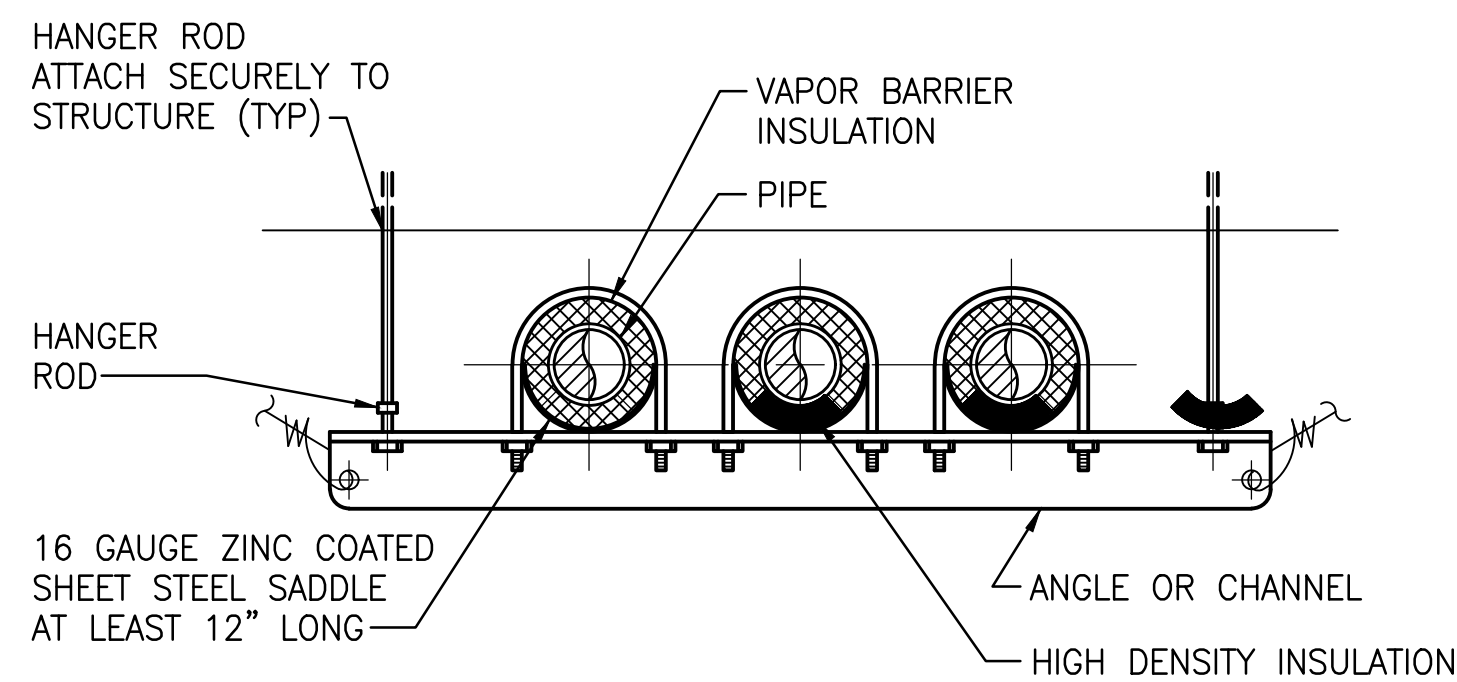
30% SUBMITTAL 04.20.2017



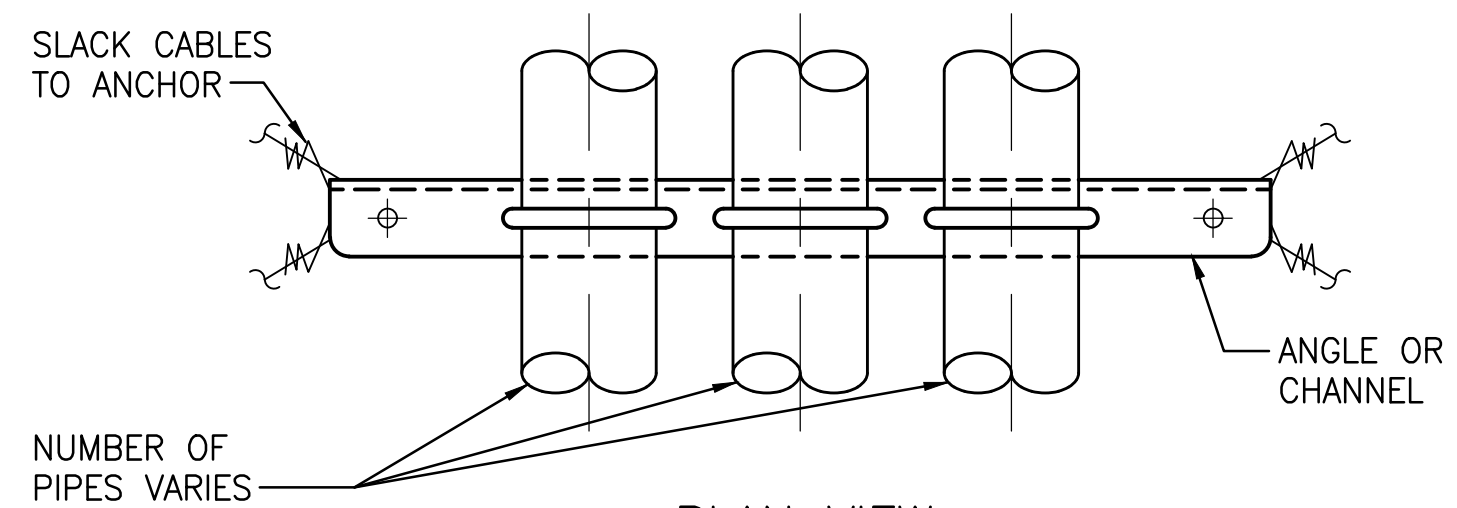
**WATER HEATER PIPING**

SCALE: NONE

5



**SECTION**

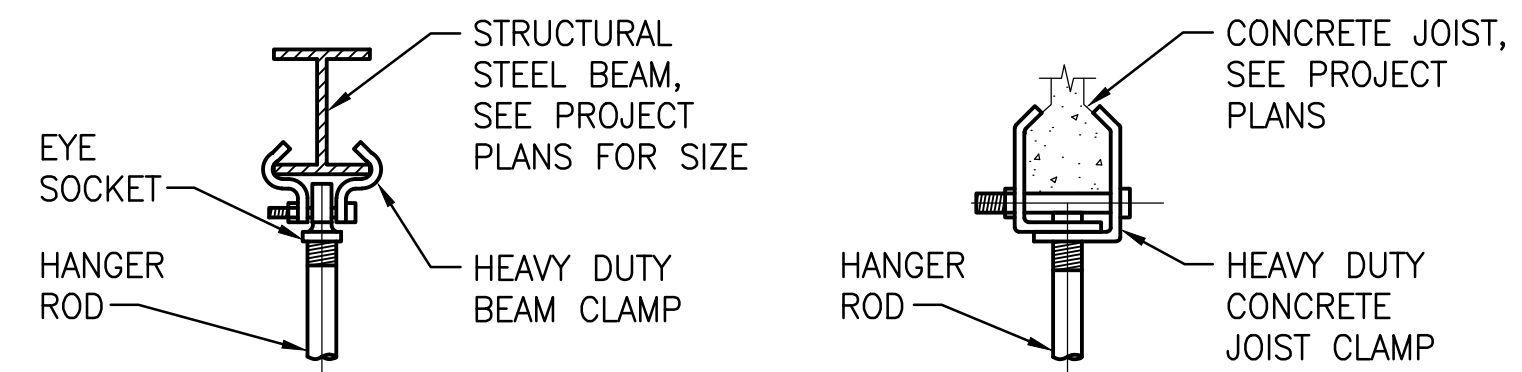


**PLAN VIEW**

**TRAPEZE PIPE HANGER**

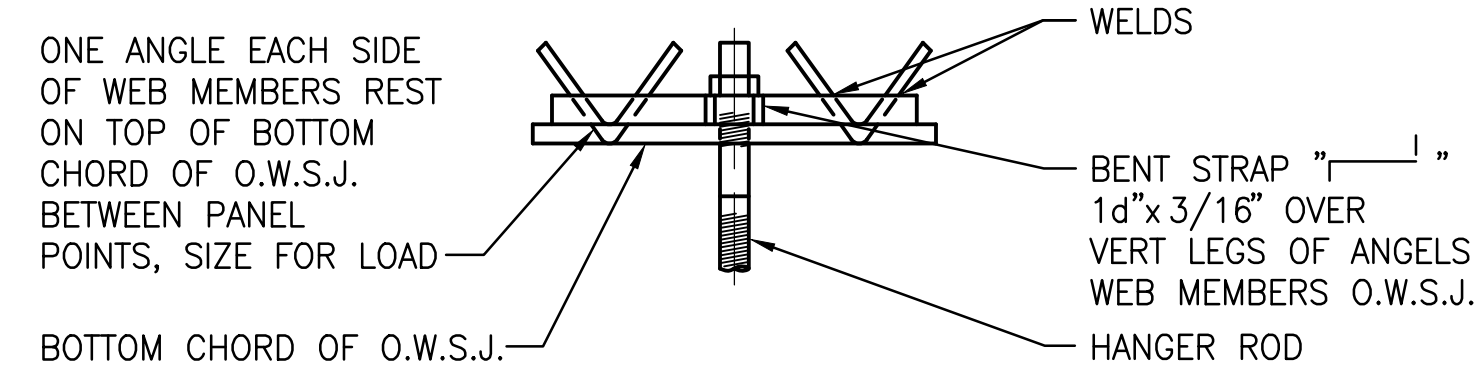
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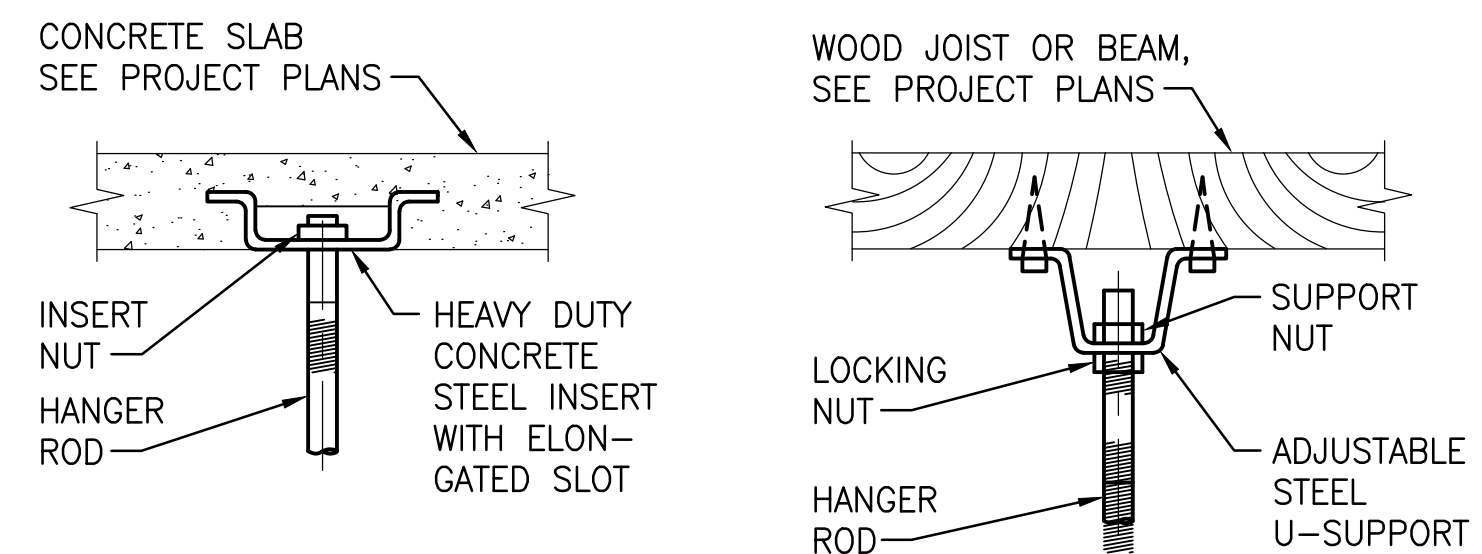


**STEEL BEAM**

**CONCRETE JOISTS**



**STEEL JOISTS**



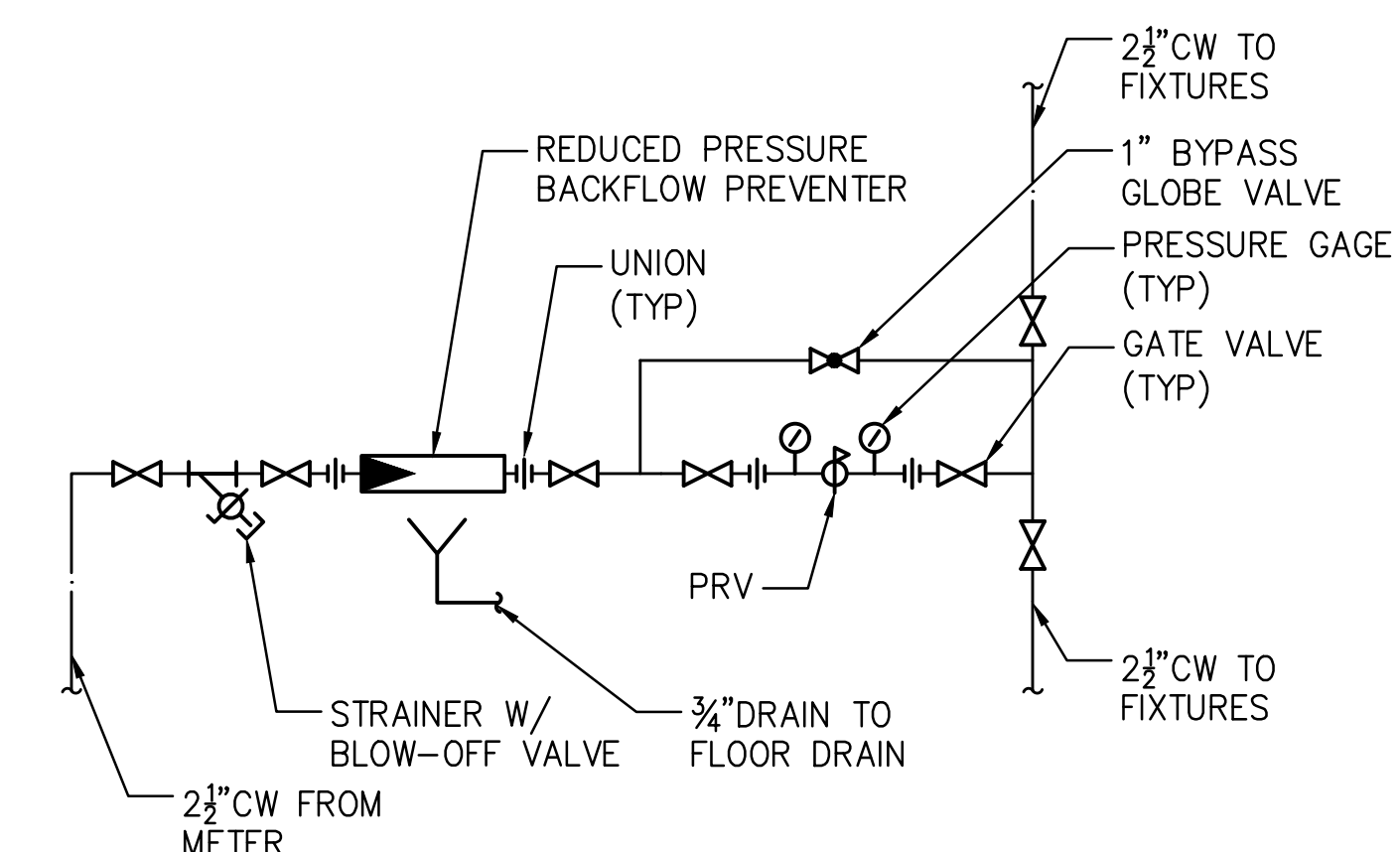
**CONCRETE INSERT**

**WOOD JOISTS**

**HANGER ATTACHMENT TO STRUCTURE**

SCALE: NONE

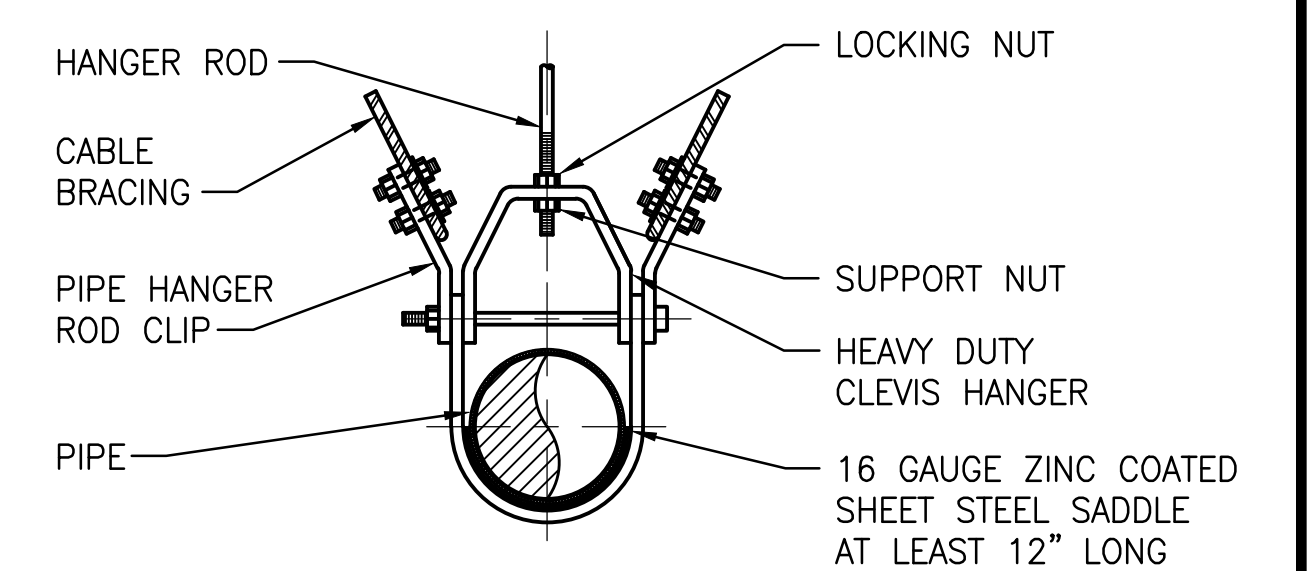
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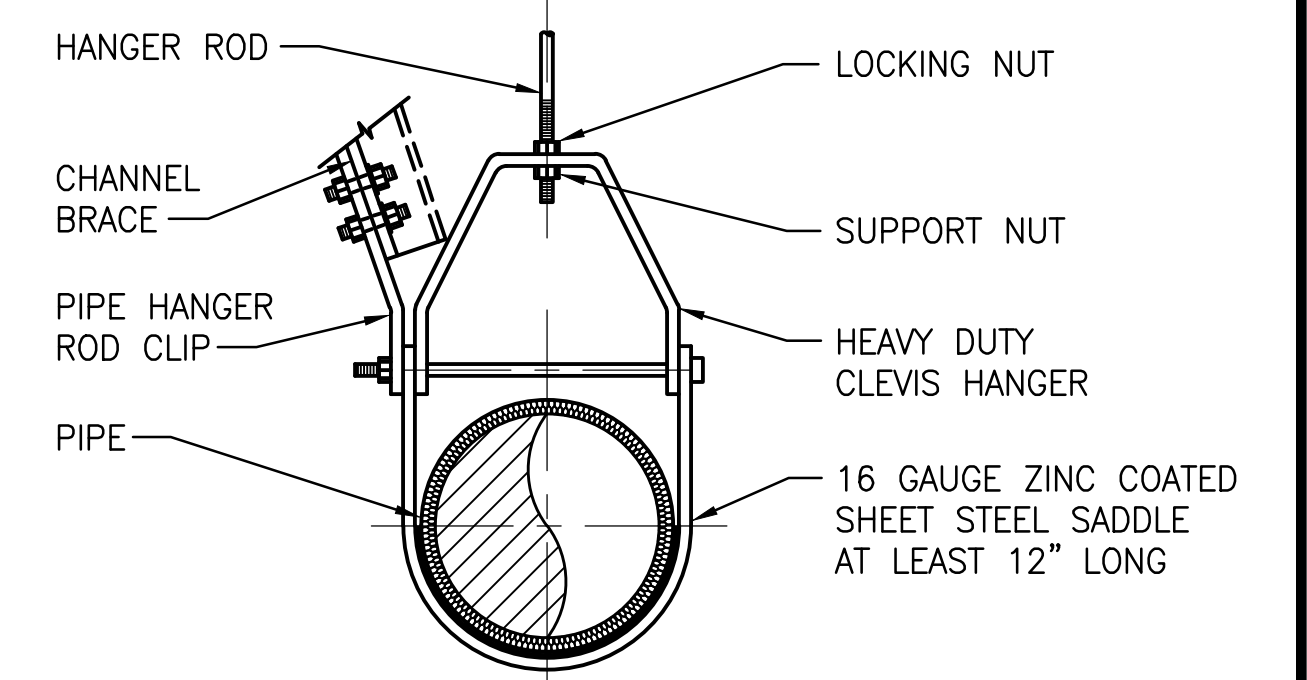
**PRV/RBFP INSTALLATION**

SCALE: NONE

4



**CLEVIS HANGER WITH CABLE BRACING**

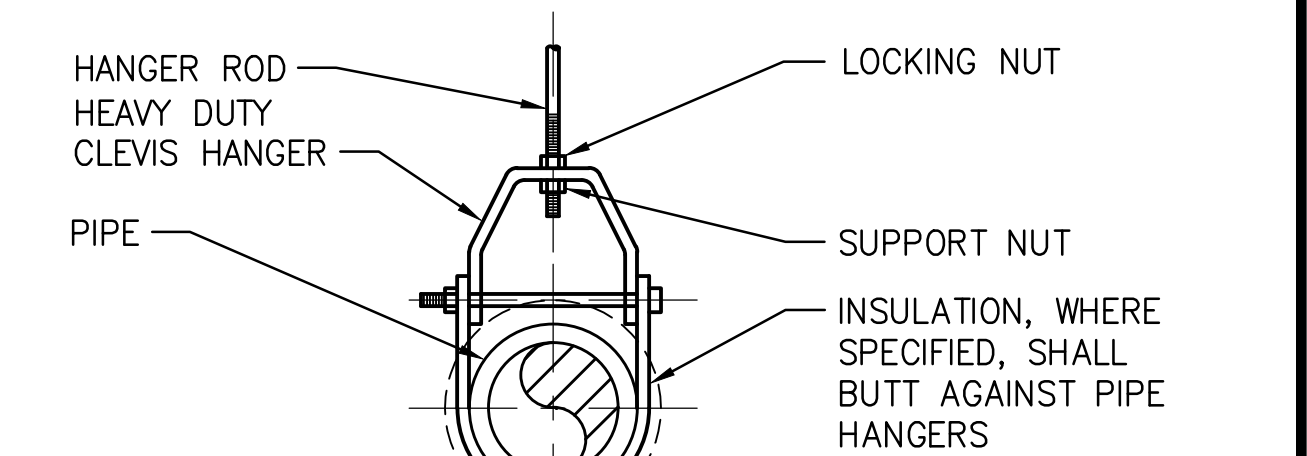


**CLEVIS HANGER WITH CHANNEL BRACING**

**SEISMIC PIPE SUPPORTS**

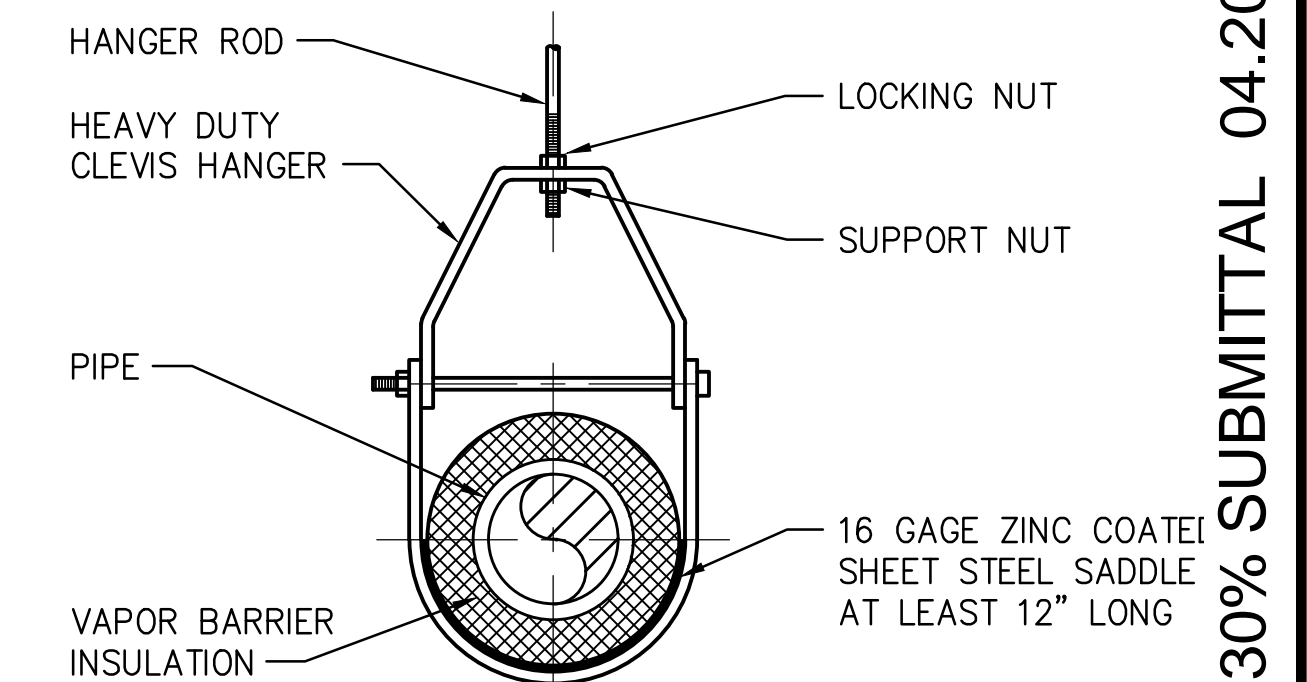
SCALE: NONE

1



**CLEVIS HANGER**

SINGLE HORIZONTAL RUNS, NO VAPOR BARRIER INSULATION



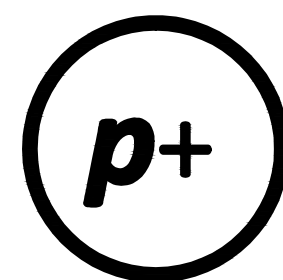
**CLEVIS HANGER**

SINGLE HORIZONTAL RUNS, VAPOR BARRIER INSULATION

**PIPE SUPPORTS**

SCALE: NONE

2



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SEATTLE, WA 98101



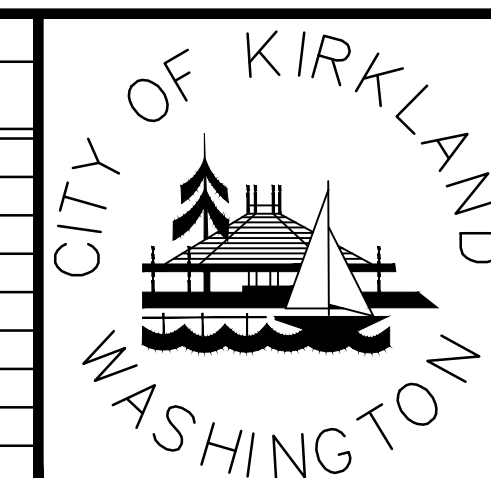
Rainbow CONSULTING LLC  
MECHANICAL ENGINEERING

336 NW 50th Street, Seattle, WA 98107  
Phone: 206.235.6002  
rainbowconsulting-me.com



STEVEN P. RAINBOW  
STATE OF WASHINGTON  
REGISTERED PROFESSIONAL ENGINEER  
55615

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123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243  
CPK 0119 100  
JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
PLUMBING DETAILS

SHEET  
P2.2

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ELECTRICAL SYMBOLS

LIGHTING

- LUMINAIRE:  
XX - LUMINAIRE TYPE  
YY - CIRCUIT NUMBER  
XXE - LUMINAIRE TYPE ENDING IN E INDICATE BATTERY BACKUP
- LUMINAIRE ON EMERGENCY CIRCUIT
- EXIT SIGN, CEILING MOUNT  
REFER TO ARCHITECTURAL LIFE SAFETY PLAN FOR DIRECTION OF TRAVEL
- EXIT SIGN, WALL MOUNT  
REFER TO ARCHITECTURAL LIFE SAFETY PLAN FOR DIRECTION OF TRAVEL
- SURFACE MOUNT EMERGENCY LUMINAIRE
- SURFACE MOUNT EMERGENCY/EXIT LUMINAIRE
- RECESSED DOWNLIGHT
- RECESSED WALL WASH LUMINAIRE
- RECESSED ADJUSTABLE LUMINAIRE
- SURFACE MOUNT LUMINAIRE
- WALL MOUNT SCONCE
- RECESSED LINEAR LUMINAIRE
- RECESSED 1x4 LUMINAIRE
- WALL MOUNT LINEAR LUMINAIRE
- PENDANT MOUNT STRIP LUMINAIRE
- SURFACE MOUNT STRIP LUMINAIRE
- POLE MOUNT LUMINAIRE - SINGLE HEAD
- POLE MOUNT LUMINAIRE - DOUBLE HEAD
- WALL MOUNT POLE HEAD LUMINAIRE
- SINGLE POLE SWITCH - SUBSCRIPT INDICATES SWITCHING DUTY. PROVIDE ONE SWITCH FOR EACH SWITCHING DUTY SHOWN.
- DOUBLE POLE SWITCH
- THREE-WAY SWITCH
- KEY OPERATED SWITCH
- SWITCH WITH OCCUPANCY SENSOR
- SWITCH WITH PILOT LIGHT
- SWITCH WITH TIMER
- OCCUPANCY SENSOR, IR, CEILING MOUNT
- OCCUPANCY SENSOR, DUAL TECHNOLOGY, 360° CEILING MOUNT
- OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL MOUNT
- CONTACTOR
- RELAY
- DAYLIGHT SENSOR

RECEPTACLES

- DUPLEX RECEPTACLE - NEMA 5-15R (NEMA 5-20R FOR DEDICATED CIRCUIT)
- DUPLEX RECEPTACLE - ABOVE COUNTER. COORDINATE W/ ARCH. ELEVATIONS
- DUPLEX RECEPTACLE - DEDICATED (NEMA 5-20R)
- DUPLEX RECEPTACLE - WEATHERPROOF W/ LOCKING COVER
- DUPLEX RECEPTACLE - GROUND FAULT CIRCUIT INTERRUPTER
- DOUBLE DUPLEX RECEPTACLE

EQUIPMENT

- PANELBOARD 277/480V
- PANELBOARD 120/208V OR 120/240V
- CABINET - TYPE AS INDICATED ON PLAN
- TRANSFORMER - SIZE AND VOLTAGE AS INDICATED ON PLAN
- NON-FUSED DISCONNECT SWITCH - SIZE PER CONNECTED LOAD
- FUSED DISCONNECT SWITCH - SIZE PER CONNECTED LOAD. PROVIDE FUSES PER EQUIPMENT NAMEPLATE.
- EQUIPMENT CONNECTION
- MECHANICAL EQUIPMENT CALLOUT. REFER TO MECHANICAL EQUIPMENT SCHEDULE.

ELECTRICAL RISER

- GROUND
- CIRCUIT BREAKER NUMBER INDICATED TRIP SETTING AND NUMBER OF POLES
- PANELBOARD
- CURRENT TRANSFORMER (CT)
- UTILITY METER
- SURGE PROTECTIVE DEVICE (SPD)

SPECIAL SYSTEMS

- FIRE ALARM
- MANUAL PULL STATION WITH GUARD
- HORN/STROBE
- HORN/STROBE - CEILING MOUNT
- STROBE
- STROBE - CEILING MOUNT
- SMOKE DETECTOR
- TELECOMMUNICATIONS
- TELECOMMUNICATIONS OUTLET X = QTY. OF CAT 6 JACKS
- WIRELESS ACCESS POINT - 1 CAT 6 JACK

RACEWAYS

- RACEWAY CONCEALED IN WALL OR CEILING, EXPOSED IN UNFINISHED AREAS
- RACEWAY CONCEALED BELOW FLOOR
- FLEXIBLE CONDUIT FIXTURE WHIP WITH CONDUCTORS
- BRANCH CIRCUIT WIRING SHOWING CIRCUIT HOME RUN TO PANELBOARD. HASHMARKS SHOW QUANTITY OF CONDUCTORS WHEN MORE THAN THREE REQUIRED. DOT INDICATES GROUND CONDUCTOR NEUTRAL CONDUCTOR SHOWN LARGER. PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT.
- RACEWAY TURNING UP
- RACEWAY TURNING DOWN
- CIRCUIT CONTINUATION
- LOW VOLTAGE WIRING
- JUNCTION BOX
- PULL BOX

ELECTRICAL ABBREVIATIONS

AF AMPERE FRAME	FACP FIRE ALARM CONTROL PANEL	PS PROJECTION SCREEN
AFF ABOVE FINISHED FLOOR	FDMFR FIRE DAMPER	PTR PRINTER
AHU AIR HANDLING UNIT	FH FUME HOOD	PVC POLYVINYL CHLORIDE (PLASTIC)
AIC AMPERE INTERRUPTING CURRENT	FMT FLEXIBLE METALLIC TUBING	PWR POWER
AMP AMPERE	FU or F FUSE	QTY QUANTITY
AS AMPERE SWITCH	FVNR FULL VOLTAGE NON-REVERSING	RA FAN RETURN AIR FAN
ASV AIR SOLENOID VALVE	G GROUND	RECP RECPT RECEPTACLE
AT AMPERE TRIP	GALV GALVANIZED	REF REFRIGERATOR
ATS AUTOMATIC TRANSFER SWITCH	GC GOGGLE CABINET	REQD REQUIRED
AWG AMERICAN WIRE GAUGE	GD GARBAGE DISPOSAL	RH RANGE HOOD
BAS BUILDING AUTOMATION SYSTEM	GEC GROUNDING ELECTRODE CONDUCTOR	RMC RIGID METAL CONDUIT
BBO BACKBOARD OPERATOR	GEN GENERATOR	RNG RANGE
BL BLEACHERS	GENI GROUND FAULT CIRCUIT INTERRUPTER	RSO ROLLING STEEL DOOR
BLDG BUILDING	GFCI GAS SOLENOID VALVE	SDMPR SMOKE DAMPER
C CONDUIT	HH HAND HOLE	SF SUPPLY FAN
CAB CABINET	HID HIGH INTENSITY DISCHARGE	SOLV SOLENOID VALVE
CB CIRCUIT BREAKER	HP HORSEPOWER	SPD SURGE PROTECTIVE DEVICE
CCTV CLOSED CIRCUIT TELEVISION	HPF HIGH POWER FACTOR	SPEC SPECIFICATION
CKT CIRCUIT	HPS HIGH PRESSURE SODIUM	SPST SINGLE POLE, SINGLE THROW
CLG CEILING	HT HEAT TRACE	ST SHUNT TRIP
CM COFFEE MAKER	IH INSTAHOT	STD STANDARD
CMU CONCRETE MASONRY UNIT	IM ICE MACHINE	STL STEEL
CO CONDUIT ONLY	IRD INTERCOM WALL DISPLAY	SW SWITCH
COMM COMMUNICATION	J-BOX JUNCTION BOX	SWBD SWITCHBOARD
COP COPIER	kmil KILOVOLT	SWGR SWITCHGEAR
CT COOK TOP	kV KILOVOLT AMPERE	TEL TELEPHONE
CT CURRENT TRANSFORMER	kW KILOWATT	TEMP TEMPORARY
CU COPPER	kWh KILOWATT HOUR	TP TRAP PRIMER
DCVA DOUBLE CHECK VALVE ASSEMBLY	MAX MAXIMUM	TR TAMPER RESISTANT
DET DETAIL	MCC MOTOR CONTROL CENTER	TTB TELEPHONE TERMINAL BOARD
DIA DIAMETER	MFR MANUFACTURER	TYP TYPICAL
DISC DISCONNECT	MECH MECHANICAL	UC UNDER COUNTER
DSPD DISPOSAL	MH MANHOLE; METAL HALIDE	UGND UNDERGROUND
DN DOWN	MIN MINIMUM	UH UNIT HEATER
DO DOOR OPERATOR	ML MAGNETIC LOCK	UL UNDERWRITERS LABORATORIES
DPST DOUBLE POLE, SINGLE THROW	MLO MAIN LUGS ONLY	UON UNLESS OTHERWISE NOTED
DRY DRYER	MTD MOUNTED	UPS UNINTERRUPTIBLE POWER SUPPLY
DW DISHWASHER	MTG MOUNTING	USB UNIVERSAL SERIAL BUS
DWG DRAWING	MW MICROWAVE	V VOLT
EA EACH	NEC NATIONAL ELECTRICAL CODE	VA VOLT AMPERE
EF EXHAUST FAN	NEUT NEUTRAL	VFD VARIABLE FREQUENCY DRIVE
EH ELECTRIC HEATER	NC NORMALLY CLOSED	VM VENDING MACHINE
EHD ELECTRIC HAND DRYER	NOT IN CONTRACT	W WATT
ELEC ELECTRIC	NO NUMBER; NORMALLY OPEN	W/ WITH
ELEV ELEVATOR	NTS NOT TO SCALE	WAC WASHINGTON ADMINISTRATIVE CODE
EMT ELECTRICAL METALLIC TUBING	OD OVERHEAD (COILING) DOOR	WAS WASHER
EPO EMERGENCY POWER OFF	OF/CI OWNER FURNISHED / CONTRACTOR INSTALLED	W/D STACKED WASHER / DRYER
EQUIP EQUIPMENT	OF/OI OWNER FURNISHED / OWNER INSTALLED	WF WASH FOUNTAIN
EWC ELECTRIC WATER COOLER	PF POWER FACTOR	WM WASHING MACHINE
EWH ELECTRIC WATER HEATER	PH or $\emptyset$ PHASE	W/O WITHOUT
EWS ELECTRIC WINDOW SHADE	PV POST INDICATOR VALVE	WON WON DOOR
EXIST EXISTING	PNL PANEL	WP WEATHERPROOF; WATERPROOFING
FA FIRE ALARM	PROJ PROJECTOR	XFMR TRANSFORMER
FAAP FIRE ALARM ANNUNCIATOR PANEL		Z IMPEDANCE

DEVICE MOUNTING HEIGHTS

SPECIAL OUTLET HEIGHTS ARE SHOWN ON THE ELECTRICAL DRAWINGS OR ON THE ARCHITECTURAL DRAWINGS. IF SPECIAL OUTLET HEIGHTS ARE NOT SHOWN OR REQUIRED, THEN LOCATE OUTLETS AS NOTED BELOW. OUTLET HEIGHTS ARE MEASURED FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE OUTLET UNLESS OTHERWISE NOTED.

RECEPTACLES	18 INCHES VERTICALLY MOUNTED
LIGHT SWITCHES	48 INCHES VERTICALLY MOUNTED
TELEPHONE OUTLET - DESK	18 INCHES VERTICALLY MOUNTED
TELEPHONE OUTLET - WALL	54 INCHES VERTICALLY MOUNTED
COMPUTER OUTLET - DESK	18 INCHES VERTICALLY MOUNTED
FIRE ALARM PULL STATION	48 INCHES
CATV OUTLET	18 INCHES VERTICALLY MOUNTED
FIRE ALARM HORN, STROBE OR HORN/STROBE	NOT LESS THAN 80" OR GREATER THAN 96" TO THE BOTTOM
FIRE ALARM CONTROL PANEL	72 INCHES

- 1. COORDINATE ROUGH-IN WITH ARCHITECTURAL ELEVATIONS.
- 2. WHERE A CONFLICT EXISTS, THE ARCHITECTURAL ELEVATIONS GOVERN.

DRAWING INDEX

SHEET NUMBER	DESCRIPTION
E0.1	COVER SHEET
E0.2	GENERAL NOTES
E0.3	LUMINAIRE SCHEDULE
E1.1	SITE PLAN - DEMO
E1.2	SITE PLAN - NEW
E2.1	BATH HOUSE LIGHTING PLAN
E3.1	BATH HOUSE POWER AND SYSTEMS PLAN
E4.1	PAVILLION LIGHTING AND POWER PLAN
E5.1	ONE-LINE DIAGRAM
E6.1	PANEL SCHEDULE

FILE	ENGR.	REVIEW	SCALE	DATE
	BR	CB	NONE	4/20/2017
NO.	REVISION	BY	REVIEW	DATE





**ENERA NOTES**

- REFER TO ADDITIONAL NOTES ON DRAWING E0.2.
- THE UNDERLINED LUMINAIRE IN THE SCHEDULE REPRESENTS THE "BASIS OF DESIGN". ALL OTHER MANUFACTURERS LISTED MUST MEET OR EXCEED ALL REQUIREMENTS OF THE BASIS OF DESIGN.
- VERIFY THE VOLTAGE OF ALL LUMINAIRES. REFER TO PLANS FOR SPECIFIC VOLTAGE REQUIREMENTS.
- ALL LUMINAIRES TO BE PROVIDED WITH ALL ROUGH-IN AND TRIM ASSEMBLIES FOR A COMPLETE INSTALLATION.
- ALL LUMINAIRES TO BE PROVIDED WITH A CUSTOM COLOR/FINISH AS SELECTED BY THE ARCHITECT, UNLESS OTHERWISE NOTED.
- ALL LUMINAIRES TO BE UL LISTED AND LABELED. EXTERIOR LUMINAIRES TO BE UL "WET" LABELED.
- LUMINAIRES SHALL BE PROVIDED WITH AN INTERNAL DISCONNECTING MEANS WHICH COMPLIES WITH NEC ARTICLE 410.
- ALL FLUORESCENT AND HID BALLASTS TO BE PROVIDED WITH AN IN-LINE FUSE.
- ALL LUMINAIRES TO HAVE AN INTEGRAL BALLAST UNLESS A REMOTE BALLAST IS SPECIFIED.
- TANDEM OR THROUGH-WIRED BALLASTS ARE NOT ALLOWED. PROVIDE A SEPARATE BALLAST FOR EVERY 4' LUMINAIRE "SECTION".
- PROVIDE WIRE GUARDS AND PLASTIC LAMP SLEEVES FOR ALL FLUORESCENT LINEAR STRIP LUMINAIRES.
- FOR HID LUMINAIRES FED FROM THE GENERATOR PROVIDE QUARTZ RESTRIKE WITH STANDBY TIME DELAY PER UL 1598. QUARTZ LAMP IS KEPT ON UNTIL THE HID LAMP REACHES 80% OF FULL LIGHT OUTPUT.
- ALL METAL HALIDE LAMPS/BALLASTS SHALL BE PULSE START.
- PROVIDE GLARE SHIELDS FOR ALL POLE MOUNTED LUMINAIRE.
- THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL INTERIOR ELEVATIONS AND THE CASEWORK MANUFACTURER SHOP DRAWINGS TO DETERMINE THE LENGTH OF UNDER CABINET LUMINAIRE.
- REFER TO ARCHITECTURAL ELEVATIONS TO DETERMINE PENDANT LENGTH.
- REFER TO THE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- AIM ADJUSTABLE LUMINAIRES AS DIRECTED BY THE ENGINEER.

LUMINAIRE SCHEDULE							
Type	Description	Lamp Type	Ballast/ Driver	Dimming Type	WATTS/VA	Manufacturer Information	Special Submittals
SLA1	<u>SURFACE MOUNTED LINEAR 4' LED LUMINAIRE</u> HEAVY GAUGE COLD ROLLED STEEL HOUSING AND LED PAN, CONTOURED FROSTED ACRYLIC LENS, BAKED WHITE ACRYLIC MATTE PAINT FINISH ETL LISTED, DAMP RATED	33W LED 3000K 4031 LUMENS	INTEGRAL DIMMING DRIVER	0-10V	33/33	PHILIPS "FLUXSTREAM" SERIES COLUMBIA "LCL" SERIES	
SLB1	<u>SUSPENDED INDUSTRIAL STRIP LED LUMINAIRE</u> 3.7" x 4.5" x 4" INDUSTRIAL LED STRIP LUMINAIRE WITH 1/8" CLEAR PRISMATIC LENS, ETL LISTED FOR WET LOCATION	41W LED 3000K 4035 LUMENS	INTEGRAL DRIVER	-	41/41	KURTZON "WET-LOCK WL-B" SERIES	
SLC1	<u>4" DIAMETER EXTERIOR LED CYLINDER LUMINAIRE</u> ONE PICE ALUMINUM EXTRUSION, 5" LENGTH. FLOOD OPTICS	11W LED 3000K 850 LUMENS	INTEGRAL DRIVER	-	11/11	LITON "DL340" SERIES	
RLA1	<u>RECESSED MOUNTED 4" ROUND LED DOWNLIGHT LUMINAIRE</u> 18 GAUGE DIE-FORMED ALUMINUM HOUSING WITH STEEL MOUNTING FRAME, WIDE BEAM DISTRIBUTION, SMOOTH REFLECTOR, FINISH BY ARCHITECT UL LISTED, WET RATED	21W LED 3000K 2250 LUMENS	INTEGRAL DRIVER	-	21/21	PHILIPS "CAL" SERIES PATHWAY "4VLOD" SERIES	
WLA1	<u>WALL LED 2' LINEAR VANITY LUMINAIRE</u> HEAVY GAUGE EXTRUDED ALUMINUM HOUSING WITH FROSTED WHITE ACRYLIC LENS, NOMINAL 24" LENGTH X 3 1/4" HIGH X 3 1/4" DEEP HIGH OUTPUT, STANDARD POWDERCOAT FINISH AS SELECTED BY ARCHITECT	11W/FT LED 3000K 1886 LUMENS	INTEGRAL DRIVER	-	22/22	BIRCHWOOD "NOL-LED-325" SERIES LUMENWERX "QUAD WIDE" SERIES	
WLA2	<u>WALL LED 4' LINEAR VANITY LUMINAIRE</u> SAME AS WLA1 EXCEPT 4' LENGTH	11W/FT LED 3000K 1886 LUMENS	INTEGRAL DRIVER	-	44/44	BIRCHWOOD "NOL-LED-325" SERIES LUMENWERX "QUAD WIDE" SERIES	
WLB1	<u>WALL MOUNTED 3" DIAMETER EXTERIOR LED CYLINDER LUMINAIRE</u> ONE PICE ALUMINUM EXTRUSION, 5" LENGTH. FLOOD OPTICS	6W LED 3000K 300 LUMENS	INTEGRAL DRIVER	-	6/6	HK LIGHTING "ZX116-WW" SERIES	
WLC1	<u>WALL MOUNTED DIRECT/INDIRECT LINEAR LUMINAIRE</u> ONE PICE ALUMINUM 49.6" X 6.5" FRAME, VANDAL PROOF WRAPAROUND RIBBED LENS.	50W LED 3000K 5500 LUMENS	INTEGRAL DRIVER	-	6/6	NEW STAR "VICTORY 4 NARROW" SERIES	
<p><b>SCHEDULE ENERA NOTES:</b>                      A. REFERENCE NOTES ON SHEET E0.2.                      B. MANUFACTURER INFORMATION BASED ON LUMINAIRE DESIGN SERIES; PART NUMBERS SHOULD BE BASED ON WRITTEN DESCRIPTION.                      C. FOR ALL LED LUMINAIRES, THE LUMEN VALUES LISTED IN THE LAMP TYPE COLUMN REPRESENT THE MINIMUM INITIAL OUTPUT REQUIRED.                      F. CONTRACTOR TO VERIFY CEILING COMPATIBILITY OF ALL LUMINAIRE TYPES PRIOR TO ORDERING.</p>							
<p><b>SCHEDULE NOTES:</b></p>							
<p><b>MOUNTING OPTIONS</b>                      R = RECESSED                      P = POLE                      H = HANGING/PENDANT                      S = SURFACE                      U = UNDERCABINET                      CX = CIRCADIAN + MOUNTING                      G = GROUND                      W = WALL</p>				<p><b>SOURCE:</b>                      F = FLUORESCENT                      I = INCANDESCENT                      L = LED                      M = METAL HALIDE                      H = HIGH PRESSURE SODIUM                      N = INDUCTION</p>			

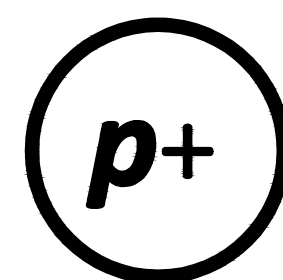
**SPECIAL REQUIREMENTS FOR ADJUSTED LUMINAIRES**

- LUMINAIRES SHALL BE CERTIFIED BY ENERGY STAR, DESIGN LIGHTS CONSORTIUM, OR THE LIGHTING DESIGN LAB LED CERTIFICATION PROGRAM.
- MINIMUM CRI SHALL BE 80.
- MANUFACTURER SHALL PROVIDE A 5-YEAR WARRANTY.
- LUMINAIRES SHALL COMPLY WITH ROHS (RESTRICTION OF THE USE OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT) REGULATIONS. APPLICABLE FOR LEED PROJECTS ONLY.
- MINIMUM LUMENS PER WATT EFFICACY SHALL BE 65%.

**SUBSTITUTIONS**

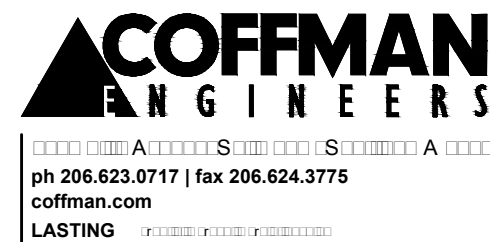
- NO POST BID SUBSTITUTIONS WILL BE CONSIDERED.
- WHERE ONLY ONE MANUFACTURER IS LISTED, PRE-BID SUBSTITUTIONS WILL ONLY BE CONSIDERED IF A SAMPLE OF THE FIXTURE IS PROVIDED.

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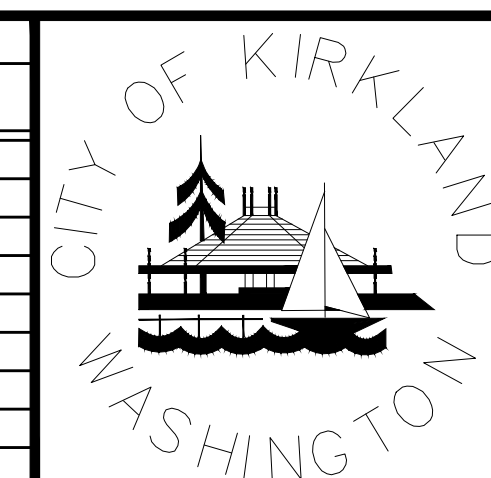
PATANO STUDIO ARCHITECTURE  
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SEATTLE, WA 98101



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FILE	ENGR.	REVIEW	SCALE	DATE
	BR	CB	NONE	4/20/2017
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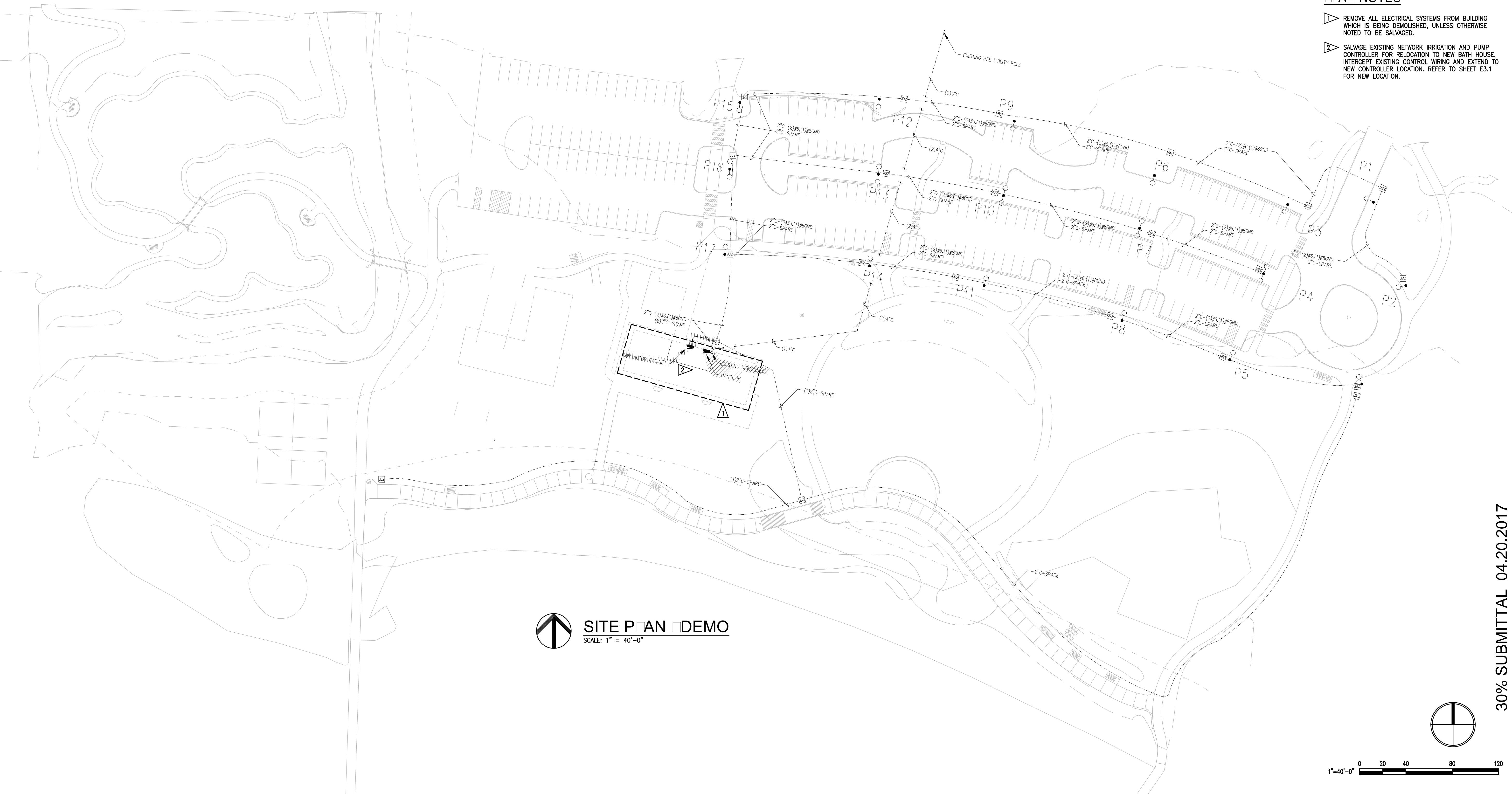
CITY OF KIRKLAND  
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CPK 0119 100  
JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
LUMINAIRE SCHEDULE

SHEET

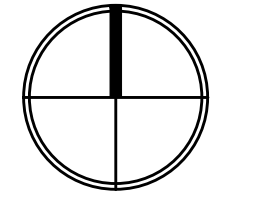
E000

**NOTES**

- 1 REMOVE ALL ELECTRICAL SYSTEMS FROM BUILDING WHICH IS BEING DEMOLISHED, UNLESS OTHERWISE NOTED TO BE SALVAGED.
- 2 SALVAGE EXISTING NETWORK IRRIGATION AND PUMP CONTROLLER FOR RELOCATION TO NEW BATH HOUSE. INTERCEPT EXISTING CONTROL WIRING AND EXTEND TO NEW CONTROLLER LOCATION. REFER TO SHEET E3.1 FOR NEW LOCATION.

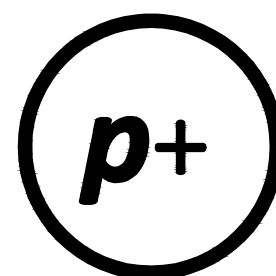


**SITE PLAN DEMO**  
SCALE: 1" = 40'-0"



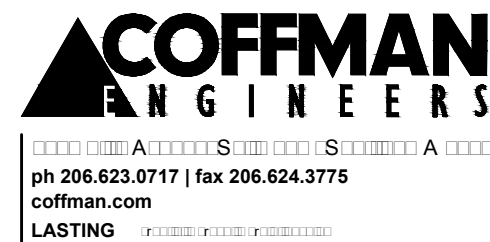
1"=40'-0" 0 20 40 80 120

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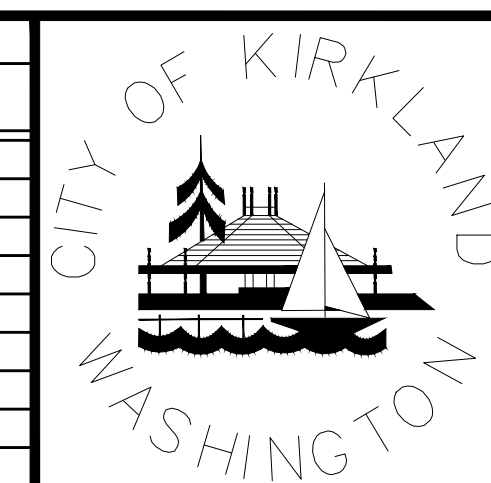
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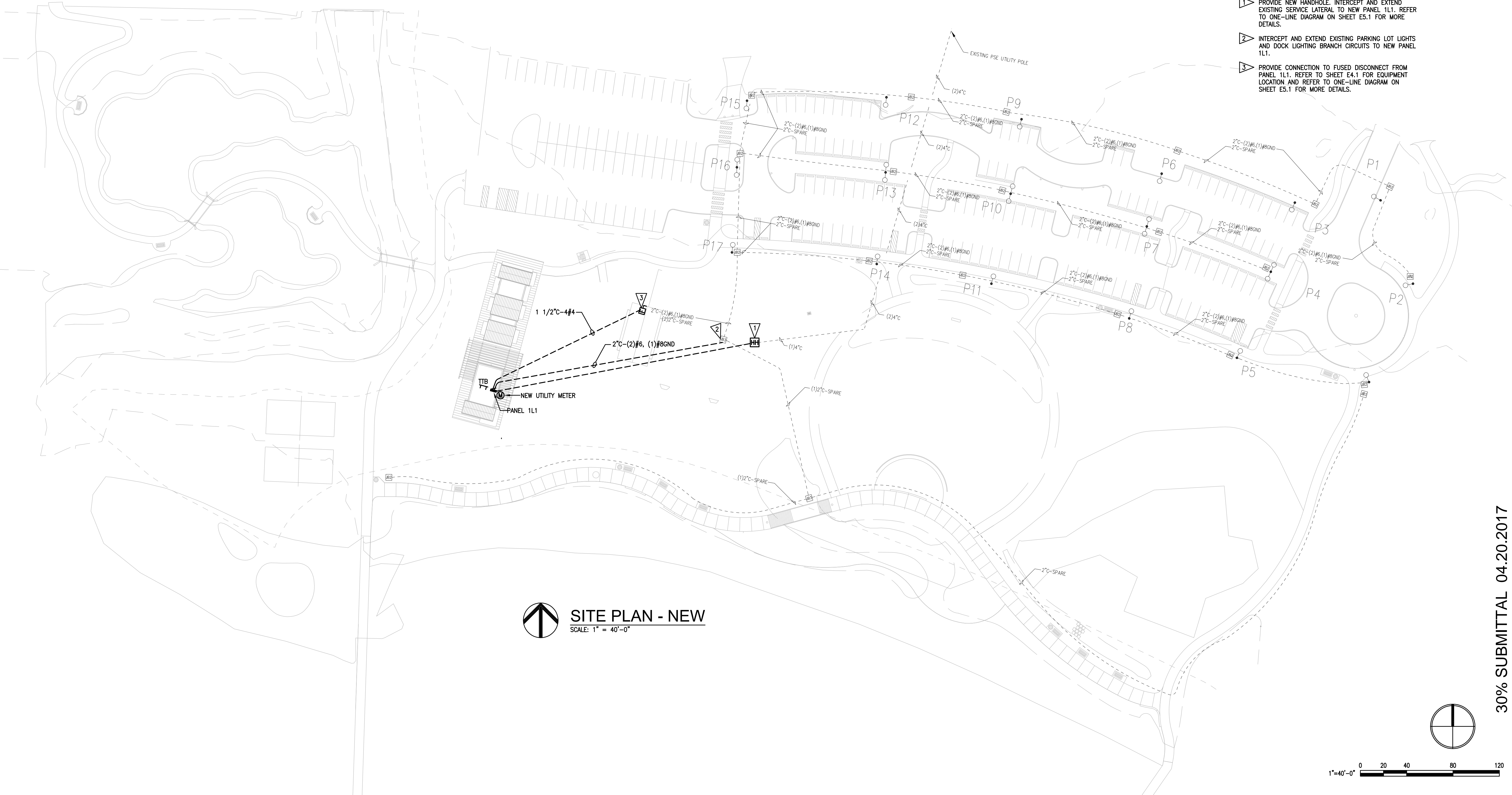
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SITE PLAN - DEMO

SHEET

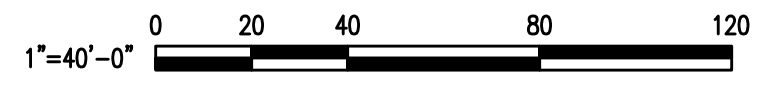
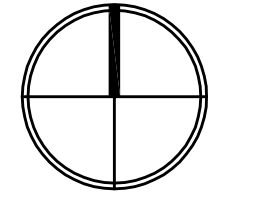
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**FLAG NOTES**

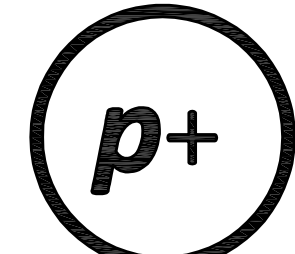
- ▶ PROVIDE NEW HANDHOLE, INTERCEPT AND EXTEND EXISTING SERVICE LATERAL TO NEW PANEL 1L1. REFER TO ONE-LINE DIAGRAM ON SHEET ES.1 FOR MORE DETAILS.
- ▶ INTERCEPT AND EXTEND EXISTING PARKING LOT LIGHTS AND DOCK LIGHTING BRANCH CIRCUITS TO NEW PANEL 1L1.
- ▶ PROVIDE CONNECTION TO FUSED DISCONNECT FROM PANEL 1L1. REFER TO SHEET E4.1 FOR EQUIPMENT LOCATION AND REFER TO ONE-LINE DIAGRAM ON SHEET ES.1 FOR MORE DETAILS.



**SITE PLAN - NEW**  
SCALE: 1" = 40'-0"



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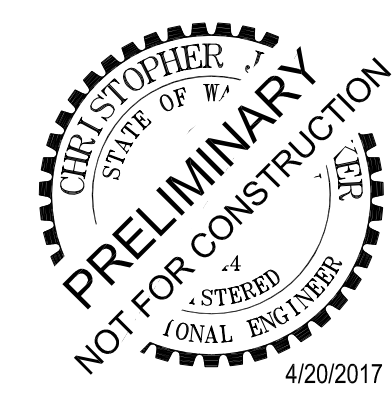


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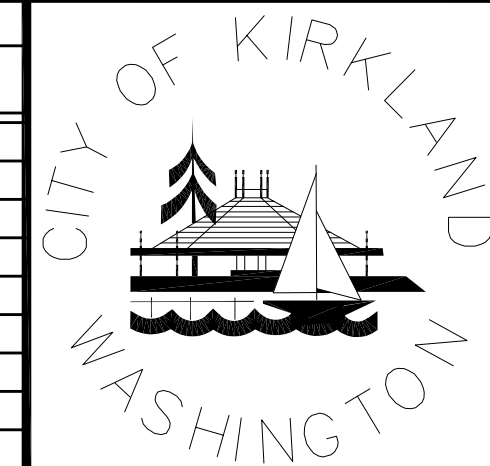
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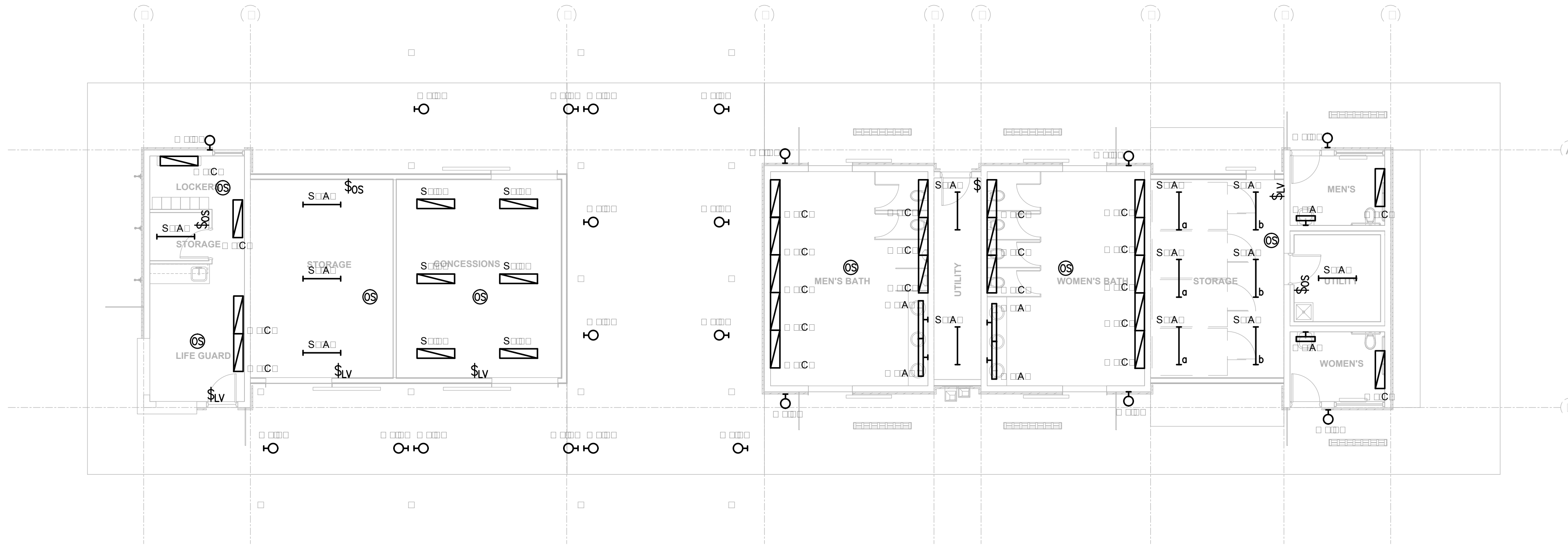
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	BR	CB	1"=40'-0"	4/20/2017
NO.	REVISION	BY	REVIEW	DATE



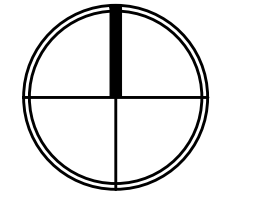
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CPK 0119 100  
JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
SITE PLAN - NEW

SHEET  
**E1.2**

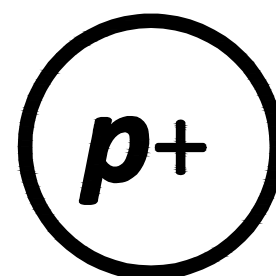
CALL BEFORE YOU DIG: 1-800-424-5555



 BATH HOUSE LIGHTING PLAN  
SCALE: 1/8" = 1'-0"

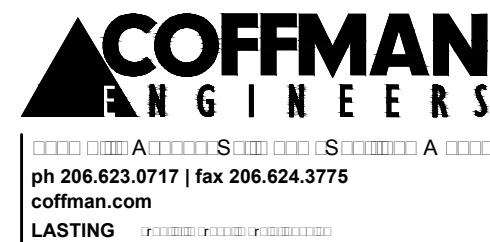


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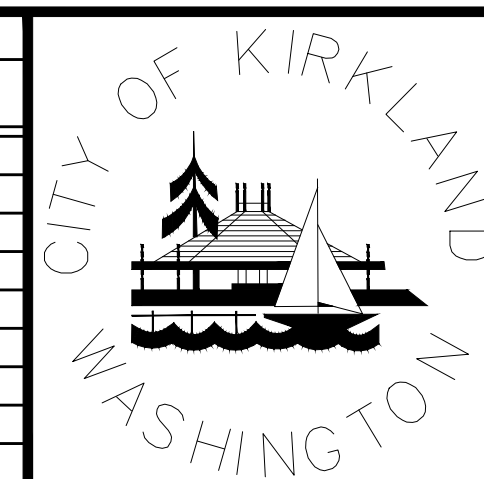
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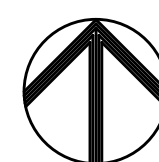
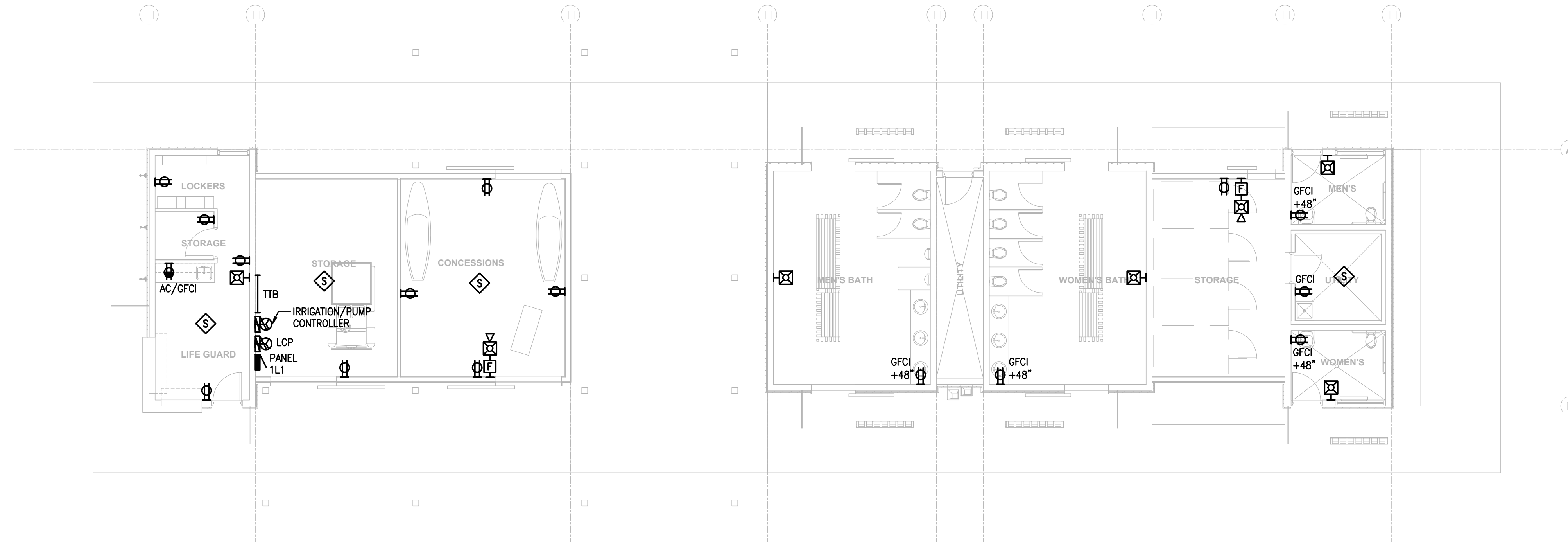
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NO.	REVISION	BY	REVIEW	DATE



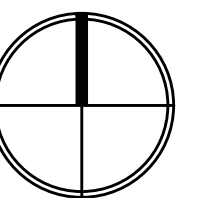
CITY OF KIRKLAND  
PUBLIC WORKS DEPARTMENT  
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CPK 0119 100  
JUANITA BEACH PARK  
BATHHOUSE REPLACEMENT  
BATHHOUSE LIGHTING PLAN

SHEET  
E

CALL BEFORE YOU DIG: 1-800-424-5555

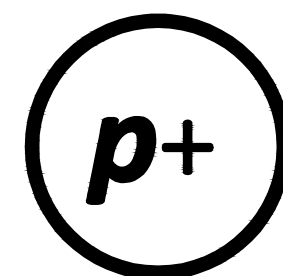


**BATH HOUSE POWER AND SYSTEMS PLAN**  
SCALE: 1/8" = 1'-0"



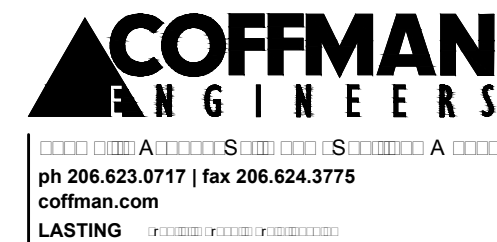
1/8"=1'-0" 0 2 4 6 8 16 24

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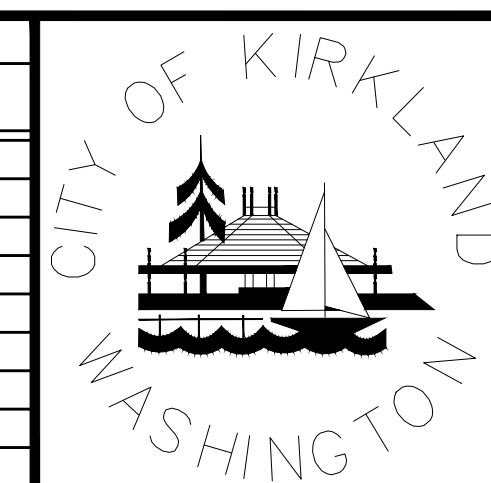
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	BR	CB	1/8"=1'-0"	4/20/2017
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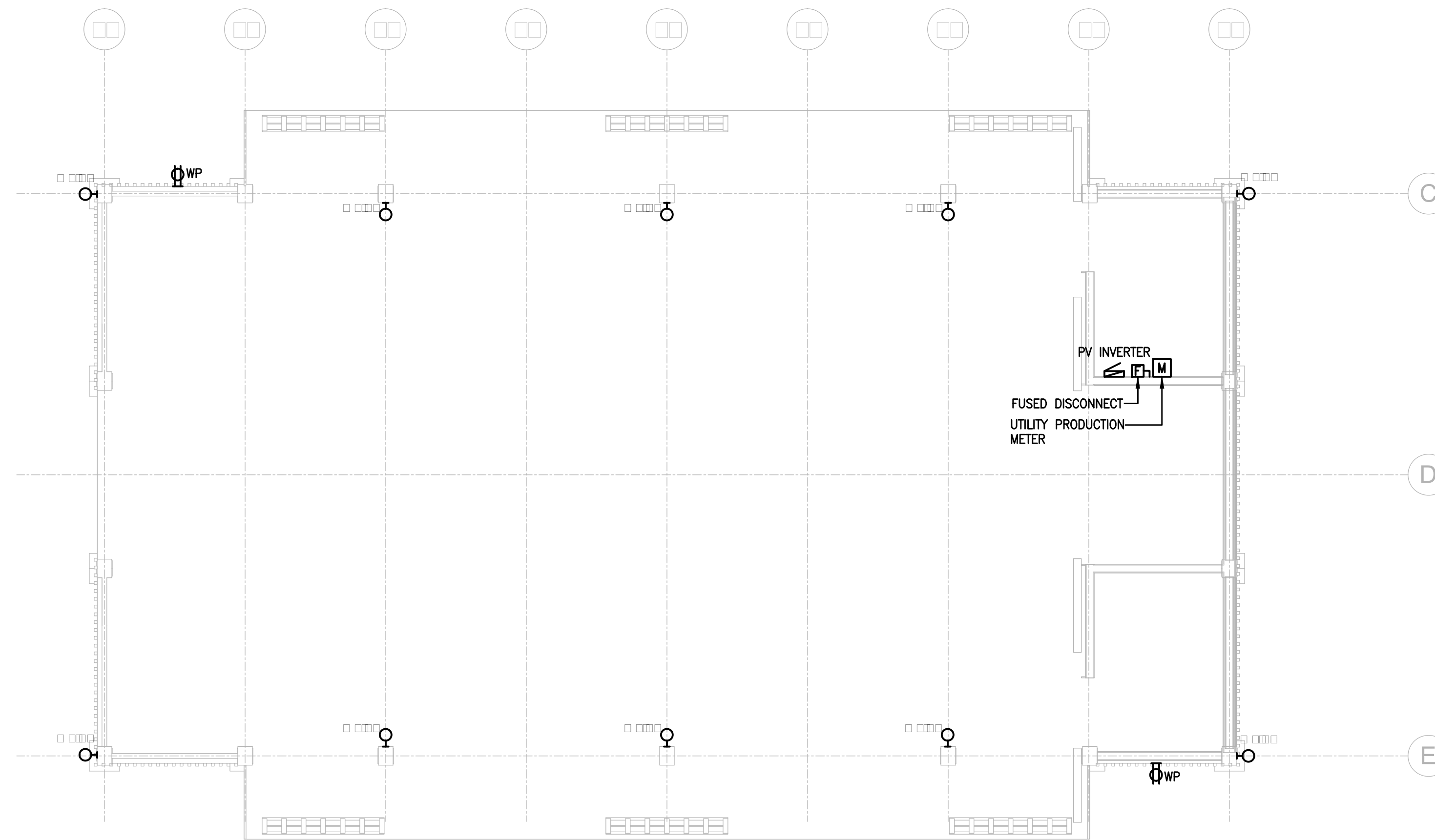


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BATHHOUSE REPLACEMENT  
BATHHOUSE POWER & SYSTEMS

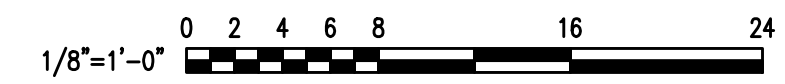
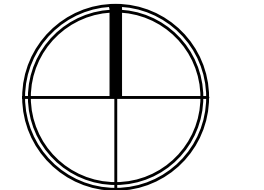
SHEET

E000

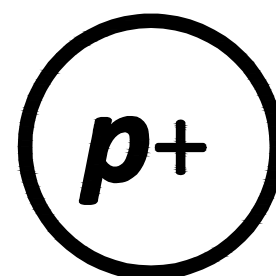
CALL BEFORE YOU DIG: 1-800-424-5555



**PAVILLION LIGHTING AND POWER PLAN**  
 SCALE: 1/8" = 1'-0"

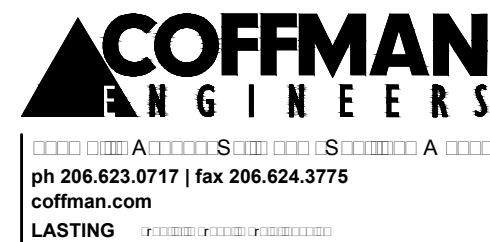


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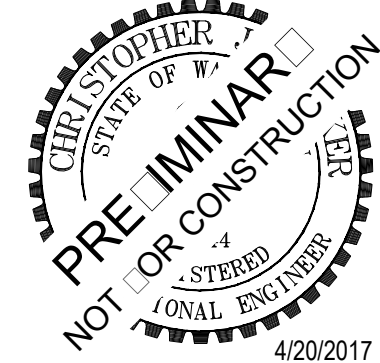


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CONSTRUCTION

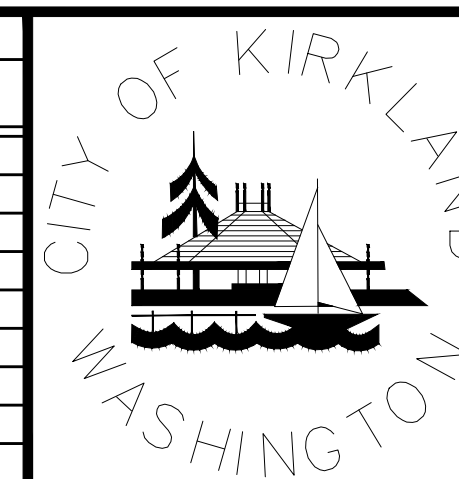
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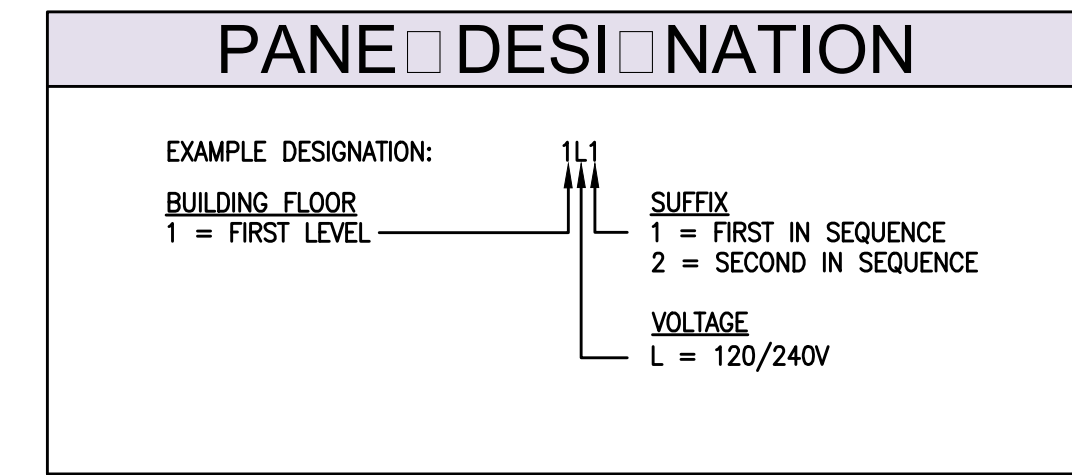


FILE	ENGR.	REVIEW	SCALE	DATE
	BR	CB	1/8"=1'-0"	4/20/2017
NO.	REVISION	BY	REVIEW	DATE



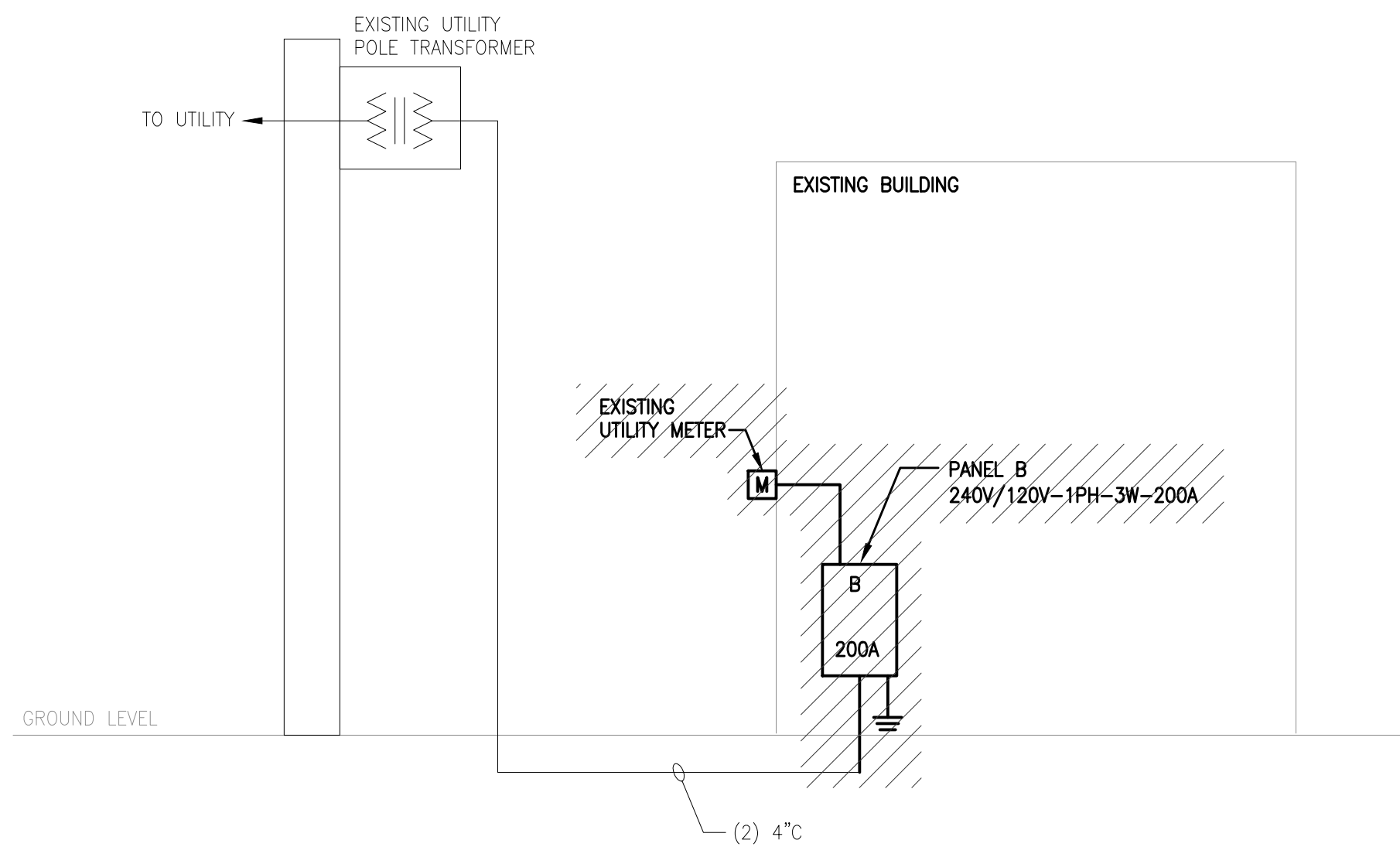
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 CPK 0119 100  
 JUANITA BEACH PARK  
 BATHHOUSE REPLACEMENT  
 PAVILLION LIGHTING & POWER

**SHEET**  
**E000**

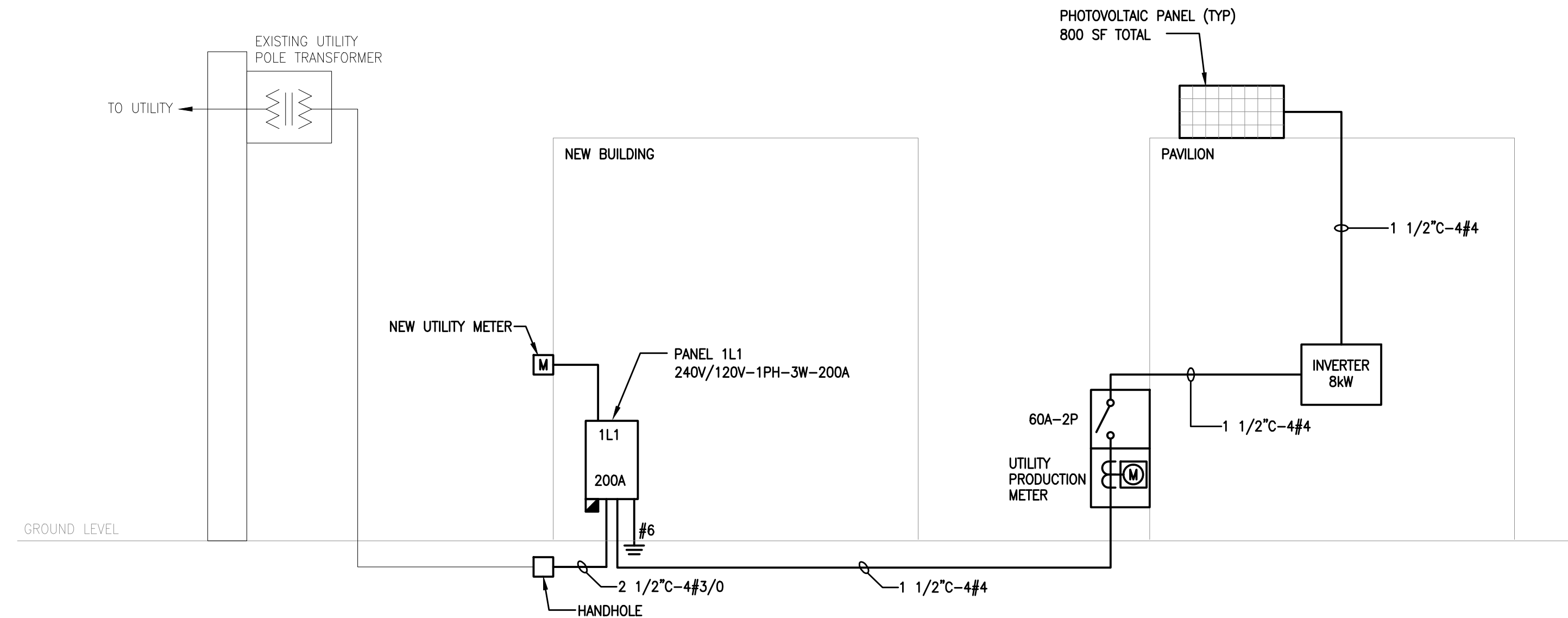


□ ENERA □ NOTES

1. REFER TO SHEET E0.2.

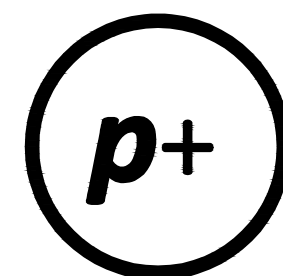


ONE □ LINE DIA □ RAM □ DEMO  
E5.1  
SCALE: NONE



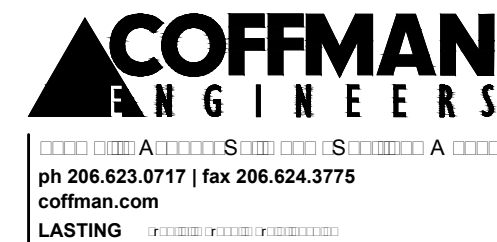
ONE □ LINE DIA □ RAM  
E5.1  
SCALE: NONE

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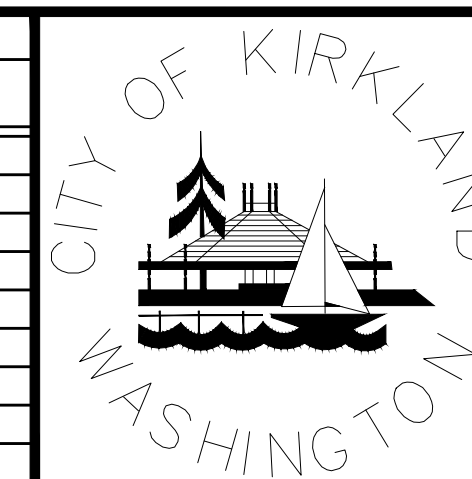
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BATHHOUSE REPLACEMENT  
ONE-LINE DIAGRAM

SHEET

E □ □ □

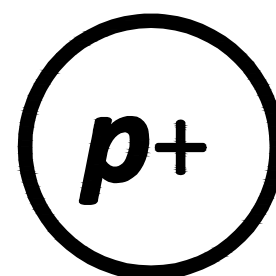
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PANE SCHEDULE														NE PANE	
Location: UTILITY ROOM														Source: UTILITY	
Ckt	Load Description	Phase	Amp	Poles	Notes	Rec.	Ltg.	Kit.	Mtr.	Htg.	Clg.	Cont.	Non.	Total	Specifications
1	SPARE C.B.	A	20	1											
3	SPARE C.B.	B	20	1											
5	SPARE C.B.	A	20	1											Rating (Amps): 200
7	SPARE C.B.	B	20	1											Voltage (L-L): 240
9	SPARE C.B.	A	20	1											Phase: 1
11	SPARE C.B.	B	20	1											Wire: 3
13	SPARE C.B.	A	20	1											Bus Material: Cu
15	SPARE C.B.	B	20	1											Int. Rating: 10,000A
17	SPARE C.B.	A	20	1											Main Lugs Only: -
19	SPARE C.B.	B	20	1											Main Ckt Brkr: 200 A
21	SPARE C.B.	A	20	1											
23	SPARE C.B.	B	20	1											Surface Mtd: X
25	SPARE C.B.	A	20	1											Flush Mtd: -
27	SPARE C.B.	B	20	1											
29	SPARE C.B.	A	20	1											Bonded Gnd: -
31	SPARE C.B.	B	20	1											Isolated Gnd: -
33	SPARE C.B.	A	20	1											200% Neutral: -
35	SPARE C.B.	B	20	1											Feed Thru: -
37	SPARE C.B.	A	20	1											Double Lug: -
39	SPARE C.B.	B	20	1											Top Feed: -
41	SPARE C.B.	A	20	1											Bottom Feed: -
2	SPARE C.B.	A	20	1											
4	SPARE C.B.	B	20	1											
6	SPARE C.B.	A	20	1											
8	SPARE C.B.	B	20	1											
10	SPARE C.B.	A	20	1											Phase A: -
12	SPARE C.B.	B	20	1											Phase B: -
14	SPARE C.B.	A	20	1											
16	SPARE C.B.	B	20	1											Total Conn.: -
18	SPARE C.B.	A	20	1											
20	SPARE C.B.	B	20	1											Phase A: -
22	SPARE C.B.	A	20	1											Phase B: -
24	SPARE C.B.	B	20	1											
26	SPARE C.B.	A	20	1											Total Conn.: -
28	SPARE C.B.	B	20	1											
30	SPARE C.B.	A	20	1											Phase A: -
32	SPARE C.B.	B	20	1											Phase B: -
34	SPARE C.B.	A	20	1											
36	SPARE C.B.	B	20	1											Total Conn.: -
38	SPARE C.B.	A	20	1											
40	SPARE C.B.	B	20	1											Total: -
42	SPARE C.B.	A	20	1											Avg. Amps/Phase: -

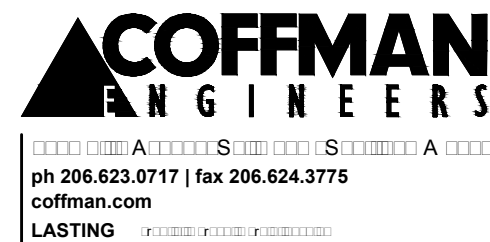
CATEGORY	TOTAL CONN. LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)	General Notes:
Receptacles		50% 10KVA		SERVICE ENTRANCE RATED PANEL.
Lighting		125%		
Kitchen Equipment		NEC 220.56		
Motors (Largest)		125%		
Motors		100%		
Heating		NEC 220.60		
Cooling		NEC 220.60		
Continuous Load		125%		
Non-Continuous Load		100%		
TOTAL				

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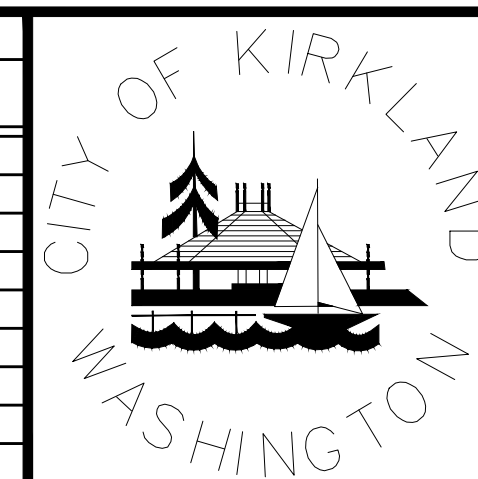
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PANEL SCHEDULE

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