

REPLACE 5 BASIC SITES WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK

BRANSON, MISSOURI

OWNERS: STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

MISSOURI DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

PROJECT MANAGEMENT: OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

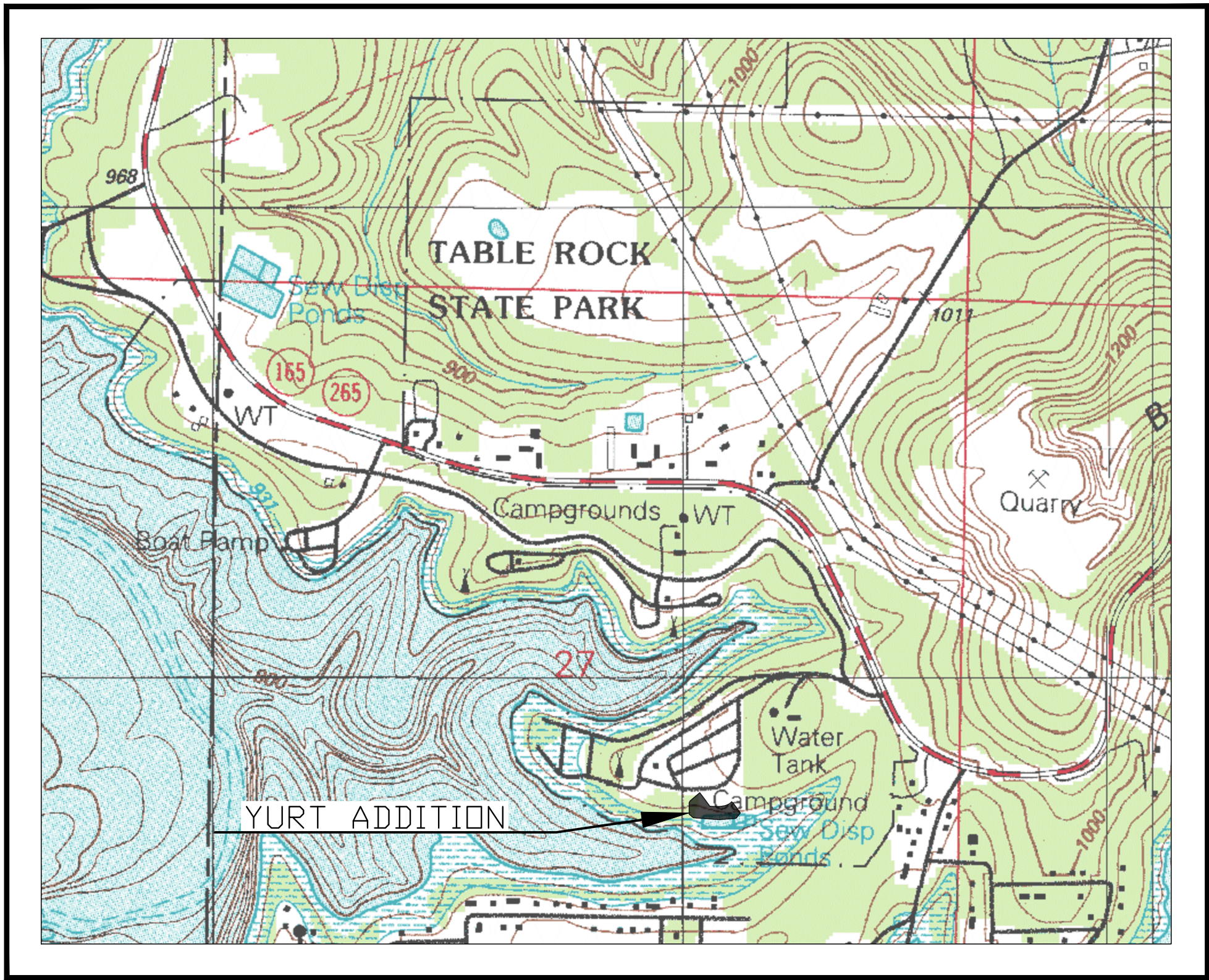
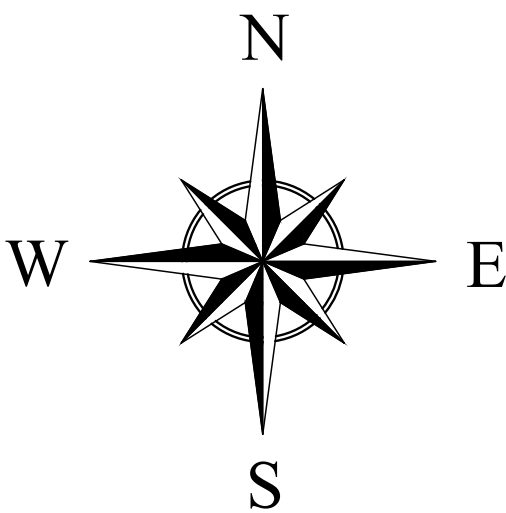
PROJECT #: X2215-01

SITE #: 5603

ASSET #: 7815603018

LEGEND

	IRON PIN SET (TYPICAL) GREAT RIVER 2001011476		WATER VALVE
	IRON PIN FOUND, AS NOTED		FIRE HYDRANT
	CUT CROSS		WATER HYDRANT
	RIGHT OF WAY MARKER		IRRIGATION SPRINKLER HEAD
	STONE		IRRIGATION CONTROL VALVE
	CONTROL POINT		MAIL BOX
	PERMANENT BENCHMARK		SIGN
	CONTOUR MAJOR		POST
	CONTOUR MINOR		FLAG POLE
	DECIDUOUS TREE, SIZE AS NOTED		AIR CONDITIONING UNIT
	CONIFER TREE, SIZE AS NOTED		CABLE TV RISER
	BUSH, SIZE AS NOTED		BORE HOLE, AS NOTED
	LIGHT POLE		SANITARY SEWER LINE
	POWER POLE		FENCE CHAIN-LINK
	ELECTRIC RISER		WIRE
	ELECTRIC BOX		WOOD
	ELECTRIC METER		WOVEN WIRE
	GUT WIRE ANCHOR		POLY VINYL
	PEDESTAL, AS NOTED		ELECTRIC LINE
	SANITARY SEWER CLEAN OUT		UNDERGROUND ELECTRIC LINE
	GRINDER PUMP		TELEPHONE LINE
	SEPTIC TANK		UNDERGROUND TELEPHONE LINE
	SANITARY SEWER MANHOLE		CABLE TV LINE
	STORM SEWER MANHOLE		GAS LINE
	TELEPHONE MANHOLE		WATER LINE
	TELEPHONE RISER		GAS & WATER LINE
	GAS VALVE		FIBER OPTIC LINE
	GAS METER		IRRIGATION LINE
	WELL		FORCE MAIN LINE
	WATER METER		TREE LINE
			FLOWLINE



SECTION 27, TOWNSHIP 22N, RANGE 22W TANEY COUNTY, MISSOURI

ID	NORTHING	EASTING	ELEV.	DESCRIPTION
1	272219.3386	1405291.7581	965.17	CP1 60D
2	272098.8723	1405097.0978	957.31	CP2 60D
3	271457.1901	1405287.2088	940.53	CP3 60D
4	271437.3401	1405108.5624	939.23	CP4 60D

HORIZONTAL COORDINATES ARE BASED ON THE MISSOURI
COORDINATE SYSTEM OF 1983, CENTRAL ZONE.

BENCHMARK DATA:
BM1 - X IN SQUARE CUT OF SOUTHWEST CORNER OF CONCRETE
PAD FOR TRASH BIN. BIN LOCATED IMMEDIATELY EAST OF PAD
SITE 240.
ELEVATION = 970.38'

BM2 - X IN SQUARE CUT OF NORTHWEST CORNER OF CONCRETE
SIDEWALK ON NORTH SIDE AND WEST END OF SHOWER BUILDING.
ELEVATION = 962.19'

BM3 - X IN SQUARE CUT OF NORTHWEST CORNER OF CONCRETE
PAD FOR WATER HYDRANT LOCATED EAST OF PAD SITE 286 AND
IMMEDIATELY SOUTH OF SANITARY SEWER LIFT STATION.
ELEVATION = 942.04'

VERTICAL DATUM: NAVD88

MISSOURI STATE PARKS SIGNATURES

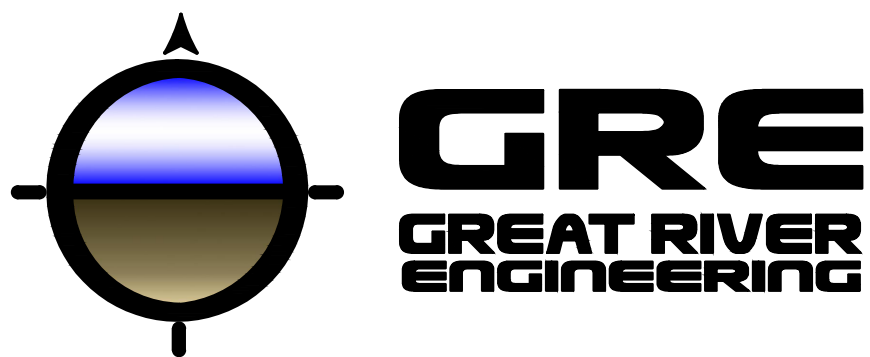
DIVISION OF FACILITIES MANAGEMENT: _____ DATE: _____

DESIGN AND CONSTRUCTION: _____ DATE: _____

TABLE ROCK STATE PARK: _____ DATE: _____

DESIGNER:

GREAT RIVER ENGINEERING
2826 S. INGRAM MILL ROAD
SPRINGFIELD, MO 65804
PHONE: (417) 886-7171
www.greatriv.com



Great River Engineering - Missouri State Certificate of Authority Numbers:
Engineering: 2000156885, Land Surveying: 2001011476,
Landscape Architecture: 2007013673

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UTILITY CONTACTS

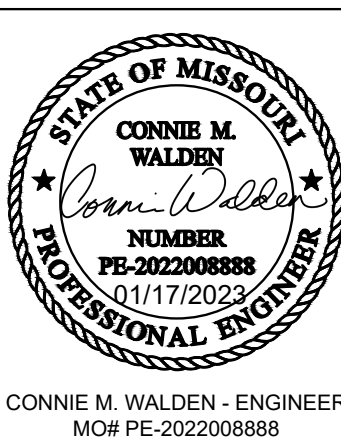
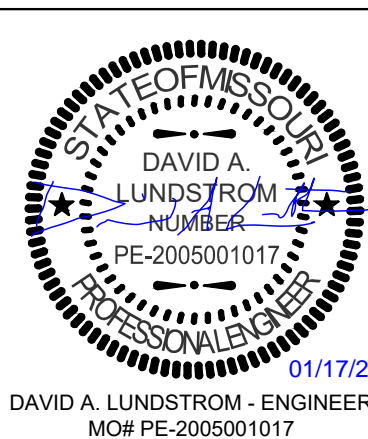
ELECTRIC

WHITE RIVER VALLEY ELECTRIC COOPERATIVE
JOE DONOVAN
PHONE: (417) 335-9335

WATER & SANITARY SEWER
TABLE ROCK STATE PARK
WATER SYSTEM
CAYLEN CANTRELL
PHONE: (417) 334-4704

UTILITY DISCLAIMER

THE UNDERGROUND UTILITIES DEPICTED ON THIS SURVEY,
ARE THOSE DISCOVERED BY FIELD INSPECTION, OR LOCATED
BY UTILITY COMPANY REPRESENTATIVES; AND MAY NOT BE
ALL THE UTILITIES ON OR NEAR THE PROPERTY. AFTER USING
REASONABLE CARE IN THE LOCATION OF THOSE UTILITIES
SHOWN, WE REFRAIN FROM WARRANTING EITHER THE
LOCATION OF, OR COMPLETENESS OF, THOSE UTILITIES
SHOWN, AS BEING ALL UTILITIES POSSIBLY AFFECTING THE
SUBJECT PROPERTY.



SHEET NUMBER:

G-001

1 OF 32 SHEETS
JANUARY 17, 2023

GENERAL CONDITIONS

DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT INCLUDING NIA DOCUMENT A-01-2017 - GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION APPLY TO ALL AREAS OF THESE CONSTRUCTION DOCUMENTS.

ALL APPLICABLE INDUSTRY STANDARDS, ASTM CLASSIFICATIONS, MANUFACTURER'S SPECIFICATIONS, INSTITUTE CRITERIA, CODE REQUIREMENTS, AND CURRENT PUBLISHED MANUFACTURER OR INSTITUTE INSTALLATION INSTRUCTIONS AND SPECIFICATIONS SHALL BE APPLICABLE TO MATERIALS SPECIFIED IN THE FOLLOWING HEADINGS.

THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR CHECKING CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT ALL WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK, THE GENERAL CONTRACTOR SHALL OBTAIN A CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN QUESTION.

THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL VISIT THE SITE, THOROUGHLY REVIEW THE DRAWINGS AND SPECIFICATIONS, SO AS TO BE SURE ALL ANCILLARY COSTS HAVE BEEN COVERED IN THE BID. THE OWNER WILL NOT ENTERTAIN REQUESTS FOR EXTRA COMPENSATION FOR WORK THAT SHOULD HAVE REASONABLY BEEN ANTICIPATED OR OBSERVED.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE MEANS, METHODS, AND TECHNIQUES OF CONSTRUCTION, SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK, AND FOR THE ACTS AND OMISSIONS OF THE SUBCONTRACTORS.

THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL NOT SCALE THE DRAWINGS TO DETERMINE ANY DIMENSION, USE ONLY THE DIMENSIONS AS SHOWN ON THE DRAWINGS. SHOULD THERE BE A CRITICAL DIMENSION OMITTED OR AN UNCERTAINTY WITH THE DIMENSIONS SHOWN, VERIFY WITH THE ARCHITECT BEFORE PROCEEDING.

DRAWINGS ARE NOT SET UP SPECIFICALLY ACCORDING TO THE TRADE AND EACH CONTRACTOR AND SUB-CONTRACTOR OR TRADE IS REQUIRED TO REVIEW THE DRAWINGS AS A WHOLE AND PROVIDE ANY MISCELLANEOUS ITEMS, MATERIALS, WORK, ETC. REQUIRED TO COMPLETE THE WORK AS SHOWN ON ALL DOCUMENTS. ALL TRADES SHALL ADHERE TO THIS REQUIREMENT. STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING REQUIREMENTS AND RELATED WORK ARE INDICATED THROUGHOUT THE SET OF DRAWINGS AND SHOULD BE REVIEWED WITH THE SPECIFIC MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR OVERALL SCOPE OF WORK.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, FEE INSPECTIONS AND APPROVALS REQUIRED FOR CONSTRUCTION BY ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER. EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR PERMITS, FEES, ETC. AS RELATED TO THEIR SPECIFIC PORTION OF THE WORK.

THE VARIOUS MECHANICAL, ELECTRICAL, AND PLUMBING SUBCONTRACTORS SHALL BE RESPONSIBLE FOR ALL MECHANICAL, PLUMBING, AND ELECTRICAL REQUIRED BY LOCAL, STATE AND FEDERAL CODES.

THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL PURCHASE AND MAINTAIN CERTIFICATIONS OF INSURANCE WITH RESPECT TO WORKMEN'S COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE LIMITS AS REQUIRED BY LAW. OR OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK.

EACH SUBCONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS (UNLESS NOTED OTHERWISE) EQUIPMENT, TOOLS, UTILITIES, INSURANCE, TAXES, TRANSPORTATION AND MISCELLANEOUS SERVICES REQUIRED FOR THE CONSTRUCTION OF THEIR PORTION OF THE SUBCONTRACT FOR THIS PROJECT AS INDICATED IN THESE DOCUMENTS, WHETHER TEMPORARY OR PERMANENT.

ALL SUBCONTRACTORS MUST COMPLY WITH RULES AND REGULATIONS OF AGENCIES HAVING JURISDICTION AND SHALL CONFORM TO ALL CITY, STATE, AND FEDERAL CONSTRUCTION SAFETY AND SANITARY LAWS, CODES, STATUTES AND ORDINANCES.

ALL INSTALLED PLUMBING, MECHANICAL AND ELECTRICAL EQUIPMENT SHALL OPERATE QUIETLY AND FREE FROM EXCESS VIBRATION.

ALL ROOF PENETRATIONS, EQUIPMENT SUPPORTS, PITCH PANS, FLASHING, CURBING AND ROOFING REPAIRS SHALL BE ENGINEERED AND INSTALLED IN ACCORDANCE WITH STANDARD PROJECT ROOFING DETAILS, FACTORY MUTUAL INSURANCE ASSOCIATION'S SPECIFICATIONS, AND GUIDELINES PUBLISHED BY THE NATIONAL ROOFING CONTRACTORS ASSOCIATION.

THE GENERAL CONTRACTOR SHALL NOTIFY SUBCONTRACTORS WHEN TELEPHONE SERVICE IS REQUIRED AT JOB SITE FOR WIRE OF PHONE EQUIPMENT.

SHOULD A DISCREPANCY BETWEEN CONTRACT DOCUMENTS AND SPECIFICATIONS OCCUR, CONTRACTOR SHOULD IMMEDIATELY NOTIFY ARCHITECT FOR RESOLUTION BEFORE PROCEEDING WITH WORK.

ALL MATERIALS SHALL BE NEW, UNUSED AND OF THE HIGHEST QUALITY IN EVERY RESPECT, UNLESS OTHERWISE NOTED OR TO BE USED FOR FORMS AND/OR TEMPORARY STRUCTURES.

ALL SURFACES SHALL BE PROPERLY PREPARED BEFORE THE APPLICATION OF FINISH MATERIALS. TO BEGIN THE APPLICATION OF A FINISH MATERIAL MEANS THAT THE SUBCONTRACTOR ACCEPTS THE SURFACE AND SUBSEQUENT RESPONSIBILITY FOR THE APPEARANCE OF THE FINAL FINISH.

ALL MATERIALS, FINISHES AND EQUIPMENT REQUIRED FOR THE COMPLETION OF THIS PROJECT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, AS WELL AS GUIDELINES SET FORTH IN THESE DOCUMENTS.

IT SHALL BE THE SUBCONTRACTORS RESPONSIBILITY TO OBTAIN AND SUBMIT TO THE GENERAL CONTRACTOR TO FORWARD TO THE ARCHITECT FOR REVIEW ANY SHOP DRAWINGS, MATERIAL SAMPLES AND MANUFACTURER'S PRINTED MATERIAL NECESSARY FOR AN ACCURATE COMPARISON TO BE MADE ON ANY ITEM SUBMITTED FOR INSTALLATION AND/OR SUBSTITUTION. ALL FINAL SELECTIONS SHALL BE MADE BY THE ARCHITECT.

ALL WORK BY ALL TRADES SHALL CONFORM TO AND BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, STANDARDS OR RESTRICTIONS WHETHER INDICATED ON DRAWINGS OR NOT. THE MORE STRINGENT TO GOVERN DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND CODES SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION PROMPTLY AND RESOLUTION OBTAINED BEFORE PROCEEDING.

UPON COMPLETION OF THE WORK, REMOVE ALL WASTE MATERIALS, EQUIPMENT, DEBRIS AND CLEAN ALL SIGHT-EXPOSED SURFACES. TOUCH-UP PAINTING OF MARKED SURFACES AND REPAIR OF ALL DAMAGES LEAVING THE PROJECT READY FOR OCCUPANCY. TRASH SHALL BE REMOVED FROM PROJECT SITE AT SUBCONTRACTORS EXPENSE. IF THE SUBCONTRACTOR FAILS TO HAVE THE SITE READY FOR OCCUPANCY, THE GENERAL CONTRACTOR MAY HIRE AN OUTSIDE AGENCY FOR THIS SERVICE AND THE COST MAY BE CHARGED TO THE CONTRACTOR.

ALL MATERIALS, EQUIPMENT, AND LABOR SHALL CARRY A MINIMUM OF ONE (1) YEAR WRITTEN WARRANTY GUARANTEE AGAINST DEFECT STARTING FROM THE DATE OF SUBSTANTIAL COMPLETION.

THE SUBCONTRACTORS SHALL BE RESPONSIBLE FOR SUPPLYING THE ARCHITECT AND THE OWNER WITH ALL MAINTENANCE AND OPERATION MANUALS, WARRANTIES, AND GUARANTEES ON ALL EQUIPMENT AND MATERIALS.

THE CONSTRUCTION SITE SHALL AT ALL TIMES BE KEPT FREE FROM DEBRIS, WASTE AND RUBBISH. THE PREMISES SHALL BE MAINTAINED IN A MANNER TO PROVIDE A SAFE ENVIRONMENT FOR WORKERS AND THE PUBLIC. CONDUCT CLEANING AND DISPOSAL OPERATIONS TO COMPLY WITH ALL LOCAL ORDINANCES AND ANTI POLLUTION LAWS.

ALL WORK BY ALL TRADES SHALL CONFORM TO AND BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, STANDARDS OR RESTRICTIONS WHETHER INDICATED ON DRAWINGS OR NOT. THE MORE STRINGENT TO GOVERN DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND CODES SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION PROMPTLY AND RESOLUTION OBTAINED BEFORE PROCEEDING.

UPON COMPLETION OF THE WORK, REMOVE ALL WASTE MATERIALS, EQUIPMENT, DEBRIS AND CLEAN ALL SIGHT-EXPOSED SURFACES. TOUCH-UP PAINTING OF MARKED SURFACES AND REPAIR OF ALL DAMAGES LEAVING THE PROJECT READY FOR OCCUPANCY. TRASH SHALL BE REMOVED FROM PROJECT SITE AT SUBCONTRACTORS EXPENSE. IF THE SUBCONTRACTOR FAILS TO HAVE THE SITE READY FOR OCCUPANCY, THE GENERAL CONTRACTOR MAY HIRE AN OUTSIDE AGENCY FOR THIS SERVICE AND THE COST MAY BE CHARGED TO THE CONTRACTOR.

UPON COMPLETION OF THE PROJECT, A "PUNCH LIST" WILL BE COMPILED BY THE ARCHITECT, WHICH WILL CONSIST OF ITEMS IN NEED OF CORRECTION AND UNSATISFACTORY AND/OR INCOMPLETE WORK. FINAL PAYMENT WILL BE CONTINGENT UPON THE CORRECTION AND SUBSEQUENT APPROVAL OF THESE ITEMS.

THE GENERAL CONTRACTOR SHALL OBTAIN CERTIFICATE FOR OCCUPANCY FROM THE APPROPRIATE REGULATORY AGENCY THEREFORE, THE CLIENT AGREES TO RELEASE THE DESIGN PROFESSIONAL FROM ANY LIABILITY ARISING FROM THE CONSTRUCTION, USE OR RESULT OF SUCH CHANGES. IN ADDITION, THE CLIENT AGREES TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ANY DAMAGE, LIABILITY, OR COST (INCLUDING REASONABLE ATTORNEY'S FEES AND COSTS OF DEFENSE) ARISING FROM SUCH CHANGES.

ALL CHANGES, OMISSIONS OR ADDITIONS TO THE SCOPE OF WORK DESCRIBED IN THESE CONTRACT DRAWINGS AND SPECIFICATIONS MUST BE APPROVED IN WRITING BY THE ARCHITECT.

UNLESS NOTED OTHERWISE, ALL WORK SHALL INCLUDE NECESSARY APPURTENANCES AND ACCESSORIES TO PROVIDE COMPLETE OPERATING ASSEMBLIES, WHETHER OR NOT SHOWN OR DETAILED.

SPECIAL NOTICE

IN THE EVENT THE CLIENT CONSENTS TO, ALLOWS, AUTHORIZES OR APPROVES CHANGES TO ANY PLANS, SPECIFICATIONS, OR OTHER CONSTRUCTION DOCUMENTS AND THESE CHANGES ARE NOT APPROVED IN WRITING BY THE DESIGN PROFESSIONAL, THE CLIENT RECOGNIZES THAT SUCH CHANGES AND THE RESULT THEREOF ARE NOT THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL. THEREFORE, THE CLIENT AGREES TO RELEASE THE DESIGN PROFESSIONAL FROM ANY LIABILITY ARISING FROM THE CONSTRUCTION, USE OR RESULT OF SUCH CHANGES. IN ADDITION, THE CLIENT AGREES TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ANY DAMAGE, LIABILITY, OR COST (INCLUDING REASONABLE ATTORNEY'S FEES AND COSTS OF DEFENSE) ARISING FROM SUCH CHANGES.

GENERAL NOTES

NOTE: YURT PACKAGE BASIS OF DESIGN TO BE PACIFIC YURTS INC. 30' YURT. YURT PACKAGE SHALL INCLUDE STANDARD AND OPTIONAL FEATURES LISTED BELOW.

- LATTICE WALL
- RAFTERS
- CENTER RING
- EXTERIOR ENTRY DOOR & FRAME
- TINTED ACRYLIC DOME
- TENSION CABLE
- SIDE COVER
- WALL INSULATION
- VINYL DOUBLE PANE SLIDING WINDOWS
- TOP COVER
- ROOF INSULATION
- RAIN DIVERTER
- HARDWARE
- SNOW AND WIND KIT WITH STANDARD HARDWARE
- PERIMETER BLOCKING
- 2X6 RAFTER/RING/HARDWARE UPGRADE
- FAN SUPPORT
- INSTRUCTIONS

BASE BID & ALTERNATES NOTES

BASE BID: Site work & Site Utilities

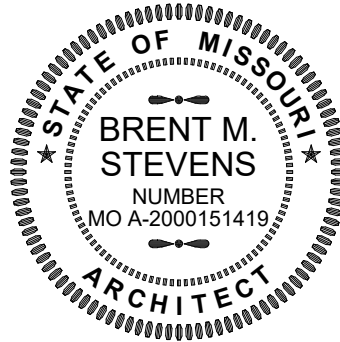
ALTERNATE #1: Yurts foundations, piers and site concrete slabs.

ALTERNATE #2: Yurt packages, raised platform structure, interior framing

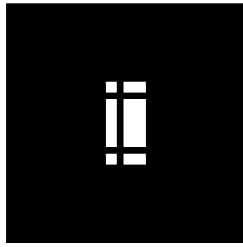
ALTERNATE #3: Interior finishes, fixtures, millwork and equipment.

Refer to specifications for more information.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



hdesignngroup
architecture + design



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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 7815603018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: JANUARY 17, 2023

CAD DWG FILE: X221601 G-101
DRAWN BY: HDG
CHECKED BY: HDG
DESIGNED BY: HDG

SHEET TITLE:
COVER SHEET

SHEET NUMBER:

G-101

SHEET 2 OF 32
1/17/2023 9:09:22 AM

*ARTIST'S DEPICTION/RENDERING OF PROJECT FOR GRAPHICAL PURPOSES ONLY - DO NOT CONSTRUCT FROM THIS DEPICTION

DWELLING UNIT (ACCESSIBLE) - BATHROOM REQUIREMENTS

FLOOR CLEARANCES: REFERENCE ICC A117.1-2009 603.2 DOORS MAY SWING INTO THE REQUIRED FLOOR CLEARANCES FOR FIXTURES IF 30" X 48" AREA IS PROVIDED BEYOND THE ARC OF THE DOOR SWING. (EXCEPTION: WHERE A CLEAR FLOOR SPACE COMPLYING WITH SECTION 304 IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING.) CLEAR FLOOR SPACES, CLEARANCES, AND WHEELCHAIR TURNING SPACES ARE PERMITTED TO OVERLAP. (ICC A117.1-2009 603.2)

GRAB BARS: GRAB BAR HEIGHTS SHALL BE BETWEEN 33 INCHES AND 36 INCHES ABOVE FLOOR. BACK WALL OF BATHTUB SHALL BE PROVIDED WITH TWO GRAB BARS: THE SECOND BAR LOCATED 9 INCHES ABOVE THE RIM OF THE BATHTUB. (ICC A117.1-2009 604.5)

LAVATORY: HEIGHT OF SINK SHALL BE 34 INCHES MAX ABOVE FLOOR. BOWL DEPTH SHALL BE 6 1/2" DEEP MAXIMUM. (ICC A117.1-2009 606.3) ALL EXPOSED PIPES UNDER LAVATORY SHALL BE INSULATED. (ICC A117.1-2009 606.6) THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

MIRRORS: MIRRORS ABOVE LAVATORIES SHALL HAVE THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MAXIMUM ABOVE THE FLOOR. (ICC A117.1-2009 603.3)

WATER CLOSET: (PARALLEL APPROACH) CENTERLINE OF TOILET SHALL BE BETWEEN 16 INCHES AND 18 INCHES FROM SIDEWALL. (ANSI A117.1 -2003 1003.11.7.1) TOP OF THE TOILET SEAT SHALL BE BETWEEN 15 INCHES AND 19 INCHES ABOVE FLOOR. (ICC A117.1-2009 604.2)

DWELLING UNIT (ACCESSIBLE) - KITCHEN REQUIREMENTS

FLOOR CLEARANCES: FOR GALLEY STYLE KITCHENS, CLEARANCES BETWEEN ALL OPPOSING BASE CABINETS, COUNTER TOPS, APPLIANCES, OR WALLS WITHIN KITCHEN WORK AREAS SHALL BE 48 INCHES MINIMUM. CLEAR FLOOR SPACE AT APPLIANCES SHALL BE POSITIONED FOR PARALLEL APPROACH. U-SHAPED KITCHENS REQUIRED 60 INCHES MINIMUM.

KITCHEN STORAGE: CABINETS SHALL HAVE A CLEAR FLOOR SPACE OF 30 INCHES BY 48 INCHES POSITIONED FOR PARALLEL OR FORWARD APPROACH.

APPLIANCES: REFRIGRATOR - COMBINATION REFRIGERATORS AND FREEZERS SHALL HAVE AT LEAST 50% OF THE FREEZER SPACE 54 INCHES MAXIMUM ABOVE THE FLOOR.

SINK: CABINETRY SHALL BE PERMITTED TO BE ADDED UNDER THE SINK, PROVIDED SUCH CABINETRY CAN BE REMOVED WITHOUT REMOVAL OR REPLACEMENT OF THE SINK, AND PROVIDED THE FINISH FLOOR EXTENDS UNDER SUCH CABINETRY. HEIGHT OF SINK SHALL BE 34 INCHES MAX ABOVE FLOOR OR BE ADJUSTABLE AT VARIABLE HEIGHTS BETWEEN 29 INCHES AND 36 INCHES. BOWL DEPTH SHALL BE 6 1/2" DEEP MAXIMUM IN AT THE LEAST ONE COMPARTMENT. ALL EXPOSED PIPES UNDER SINK SHALL BE INSULATED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINK.

OPERATIONAL PARTS: SINK FAUCET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUND MAXIMUM.

NOTE: ALL REQUIRED VERTICAL HEIGHTS CAN BE OBTAINED BY SETTING THE COUNTER TOP HEIGHTS AT 34 INCHES ABOVE FLOOR AND THE BOTTOM EDGE OF UPPER CABINETS AT 48 INCHES ABOVE THE FLOOR IN ACCESSIBLE UNITS.

DWELLING UNIT (ACCESSIBLE) - MISC. REQUIREMENTS

ACCESSIBLE ROUTE: AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ALL SPACES AND ELEMENTS WHICH ARE PART OF THE DWELLING UNIT AND SHALL NOT PASS THROUGH RESTROOMS, CLOSETS, OR SIMILAR SPACES.

WALKING SURFACE: OF ACCESSIBLE ROUTE SHALL NOT BE STEEPER THAN 1:20 WITH A CROSS SLOPE NOT STEEPER THAN 1:48. CLEAR WIDTH SHALL BE 36" MINIMUM AND 32" MINIMUM FOR A DISTANCE NOT GREATER THAN 24" MAX.

DOORS & DOORWAYS: THE PRIMARY ENTRANCE DOOR TO THE DWELLING UNIT, AND ALL OTHER DOORS INTENDED FOR USER PASSAGE, SHALL COMPLY WITH SECTION 404. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE 34 INCHES MIN AND 48 INCHES MAX ABOVE THE FLOOR OR GROUND.

OPERABLE PARTS: LIGHTING CONTROLS, ELECTRICAL SWITCHES AND RECEPTACLES, ENVIRONMENTAL CONTROLS, APPLIANCE CONTROLS, OPERATING HARDWARE FOR OPERABLE WINDOWS, PLUMBING FIXTURE CONTROLS, AND USER CONTROLS FOR SECURITY OR INTERCOM SYSTEMS SHALL BE PROVIDED WITH A CLEAR FLOOR SPACE OF 30" X 48" PARALLEL APPROACH. REACH RANGES FOR UNOBSTRUCTED REACH SHALL BE BETWEEN 15" TO 48" ABOVE FLOOR. OBSTRUCTED REACH RANGE IS 44" MAX.

REACH RANGES DO NOT APPLY TO THE FOLLOWING:

1. ELECTRICAL RECEPTACLES SERVING A DEDICATED USE.
2. FLOOR ELECTRICAL RECEPTACLES.
3. HVAC DIFFUSERS.
4. CONTROLS MOUNTED ON CEILING FANS.
5. CONTROLS MOUNTED ON RANGE HOODS IF ACCESSIBLE REDUNDANT CONTROLS ARE PROVIDED.

BUILDING CODES

BUILDING CODE	2021 IBC
MECHANICAL CODE	2021 IMC
PLUMBING CODE	2021 IPC
ELECTRICAL CODE	2020 NEC
FIRE CODE	2021 IFC
FUEL GAS CODE	2021 IFGC
ACCESSIBILITY CODE	2017 ICC/ANSI A117.1

CODE DATA

PRIMARY USE GROUPS (CHAP. #3)	R-1
ACCESSORY USE GROUPS	N/A
CONSTRUCTION TYPE	5B
TOTAL AREA (FOOTPRINT)	3,535 S.F. (5 BUILDINGS, EACH 707 S.F.)
SPRINKLED BUILDING	YES (STATE EXEMPTION)
FIRE ALARMS	YES, SEE MEP SHEETS
EMERGENCY LIGHTING	YES, SEE MEP SHEETS

ALLOWABLE BUILDING HEIGHT + AREA

ALLOWABLE AREA OF NONSEPARATED OCCUPANCY IS CALCULATED FROM THE MOST RESTRICTIVE OF PROVIDED USES:

ALLOWABLE AREA BY TABLE 503 (A-3)	7,000 S.F. PER STORY (SEE BELOW)
PROVIDED AREAS	(R-1) 707 S.F. (EACH BUILDING)
ALLOWABLE HEIGHT/AREA (TABLE 503)	2 STORIES + 40 FEET
PROVIDED HEIGHT	1 STORY + 11'-3" S.O.G. ~14'-3" FOR RAISED PLATFORM ALTERNATE (ABOVE GRADE)

FLOOR AREA PER OCCUPANT (1004)

R-1, RESIDENTIAL: 1 OCCUPANT PER 200 GROSS S.F.

PLUMBING FIXTURES (2902.1)

REQUIRED:
R-1, HOTELS, MOTELS, BOARDING HOUSES (TRANSIENT) SPACE REQUIRES THE FOLLOWING:

TOTAL WATER CLOSETS 1 PER SLEEPING UNIT
1 TOTAL LAVATORY PER SLEEPING UNIT
1 TOTAL BATHTUB/SHOWER PER SLEEPING UNIT
0 DRINKING FOUNTAINS
1 SERVICE SINK

PROVIDED:
R-1 SPACES HAVE BEEN PROVIDED WITH:

TOTAL WATER CLOSETS 1 PER SLEEPING UNIT
1 TOTAL LAVATORY PER SLEEPING UNIT
1 TOTAL BATHTUB/SHOWER PER SLEEPING UNIT
0 DRINKING FOUNTAINS
0 SERVICE SINK (PROVIDED ON SITE)

MEANS OF EGRESS

EGRESS WIDTH (1005)	
R-1 - EGRESS: 0.2 PER OCCUPANT	
DOOR OPERATIONS (1008)	YES
STAIRWAYS (1009)	N/A
EXIT SIGNS (1006 & 1011)	YES

TRAVEL DISTANCE (1017)

OCCUPANCY R-1 = MAX. 200'-0" WITHOUT SPRINKLER SYSTEM. MAX. AS DESIGNED 34'-1" (SEE PLANS).

EXIT QUANTITY (1006)

ONE EXIT REQUIRED.

TABLE 1006.3.4(2) STORIES WITH ONE EXIT OR ACCESS TO ONE EXIT FOR OTHER OCCUPANCIES

R-1 MAXIMUM OCCUPANT LOAD PER STORY 10.

FIRE RESISTANCE RATED CONSTRUCTION (TABLES 601,602 &602.4)

BUILDING ELEMENTS:

STRUCTURAL FRAME	0 HOUR
EXT. BEARING WALL	0 HOUR
EXT. NON-BEARING WALL	0 HOUR
INT. BEARING WALL	0 HOUR
INT. NON-BEARING WALL	0 HOUR
FLOOR CONSTRUCTION	0 HOUR
ROOF CONSTRUCTION	0 HOUR

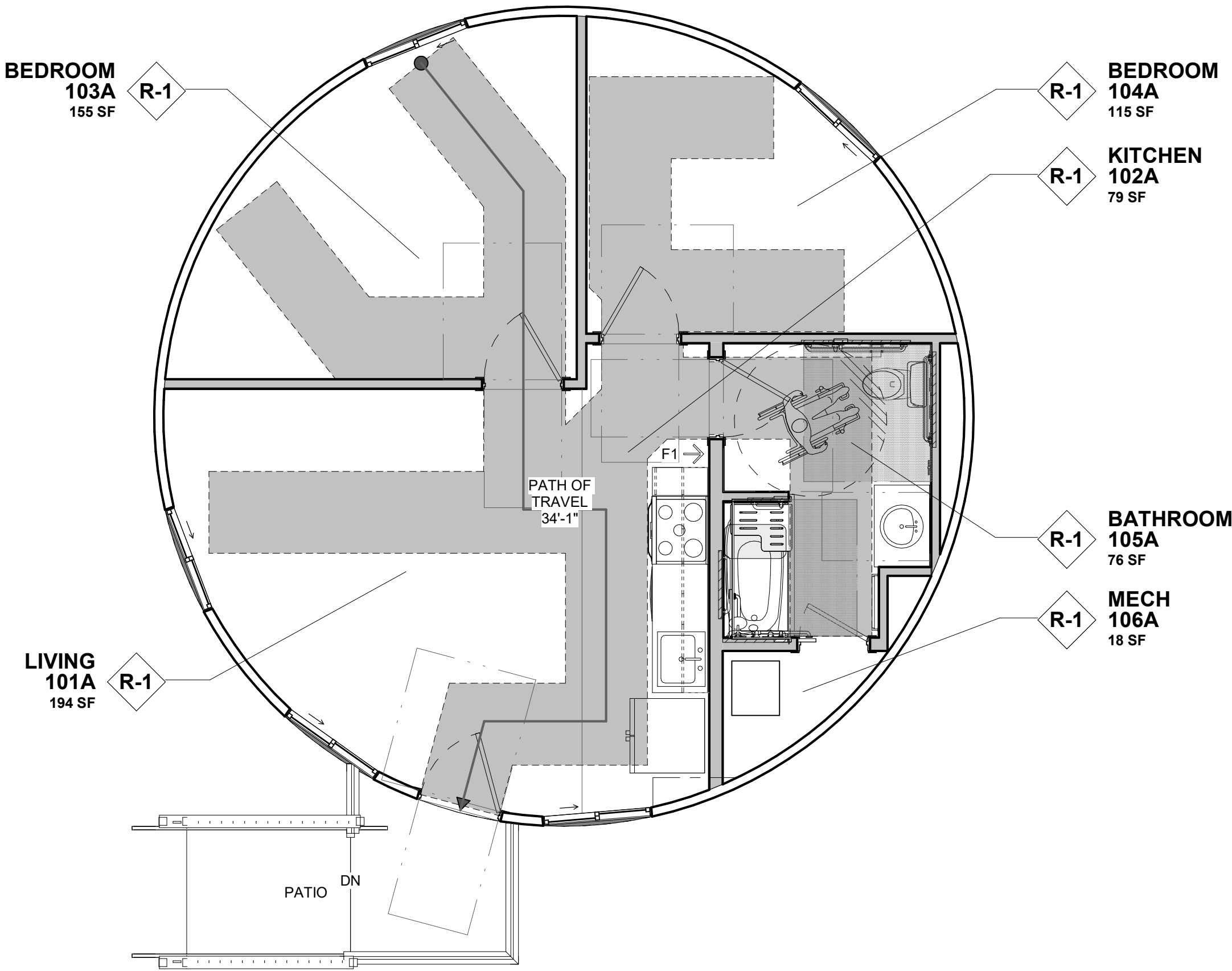
FIRE EXTINGUISHER LEGEND

(ARROW INDICATES PLACEMENT ON WALL; BOX INDICATES CABINET)

TYPICAL DESIGNATIONS:		
MP	=	MULTI-PURPOSE DRY CHEMICAL
DC	=	DRY CHEMICAL
WC	=	WET CHEMICAL
WC-K	=	WET CHEMICAL CLASS K (TYPICALLY USED IN KITCHENS)
HT	=	HALON TYPE



DESCRIPTION: LARSEN'S EXTINGUISHER AND BRACKET
FIRE EXTINGUISHER: MP5
MOUNTING HEIGHT: T.O. EXTINGUISHER @ 60" A.F.F.



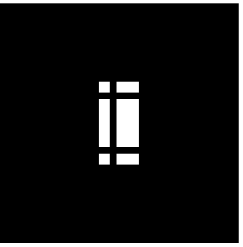
1
G-102
ADA UNIT FLOOR PLAN

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

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



hdesigngroup
architecture + design



5035 S National Avenue | Springfield, MO 65810 | 417.887.8595

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 7815603018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: JANUARY 17, 2023

CAD DWG FILE: X221601 G-102
DRAWN BY: HDG
CHECKED BY: HDG
DESIGNED BY: HDG

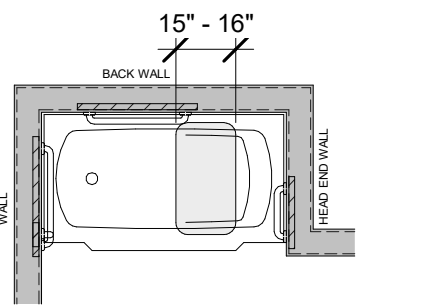
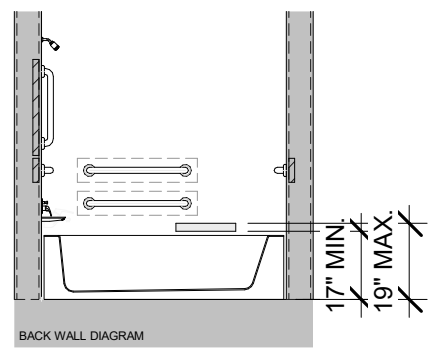
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CODE INFO

SHEET NUMBER:

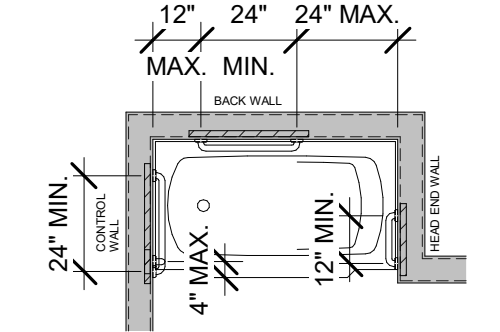
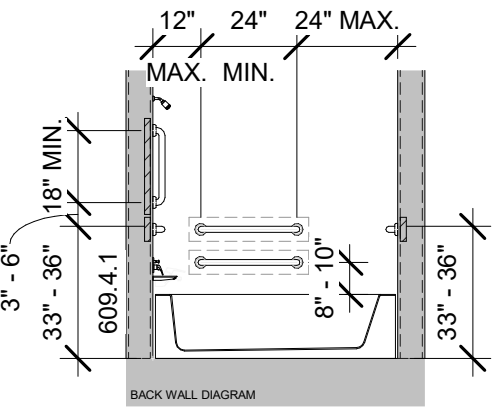
G-102

SHEET 3 OF 32
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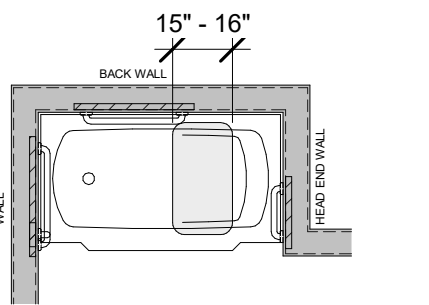
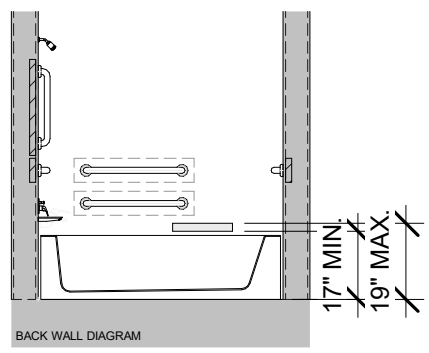
ACCESSIBLE BATHROOM, BATHTUB
ANSI A117.1 610.2 A
WITH REMOVABLE SEAT



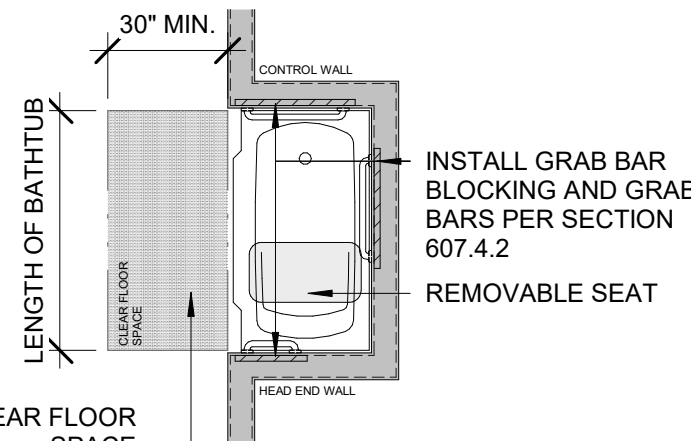
ACCESSIBLE BATHROOM, BATHTUB
ANSI A117.1 607.4.2
GRAB BAR LOCATIONS WITH REMOVABLE SEAT



ACCESSIBLE BATHROOM, BATHTUB
ANSI A117.1 610.2 A
WITH REMOVABLE SEAT



ACCESSIBLE BATHROOM, BATHTUB
ANSI A117.1 607.2 A
WITH REMOVABLE SEAT



MANEUVERING CLEARANCES FOR WHEELCHAIRS
ANSI A117.1 304.3

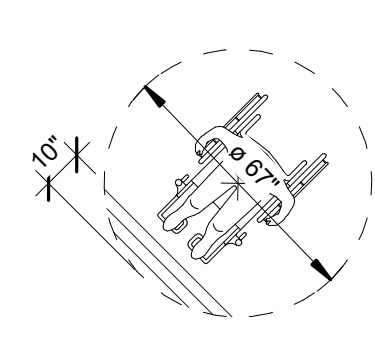


FIGURE 304.3.1.1
67" DIAMETER CIRCLE

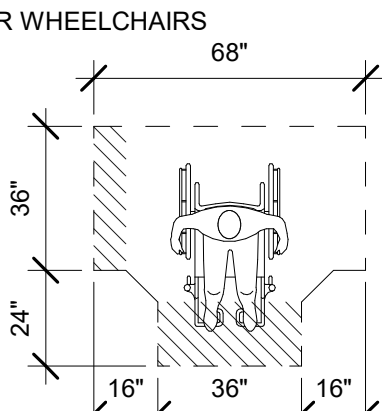


FIGURE 304.3.2.1 (A)
T-SHAPED OPTION 1

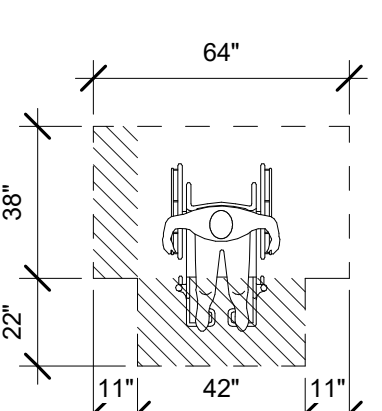


FIGURE 304.3.2.1 (B)
T-SHAPED OPTION 2

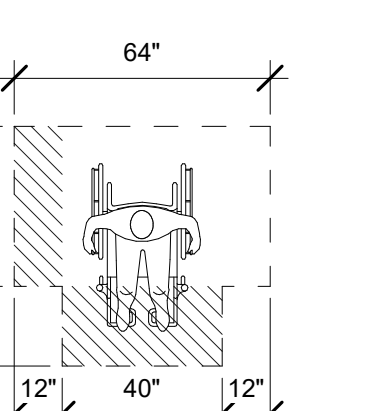
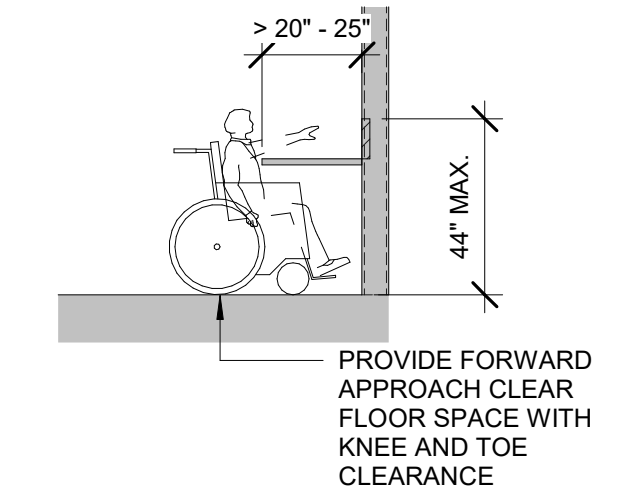


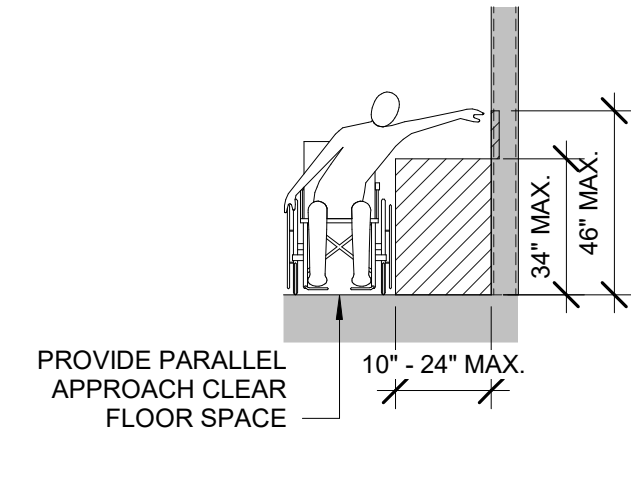
FIGURE 304.3.2.1 (C)
T-SHAPED OPTION 3

OVERLAP ALLOWANCE FOR KNEE AND TOE CLEARANCE. FOR T-SHAPED OPTIONS, A BASE + 1 ARM OVERLAP IS ALLOWED

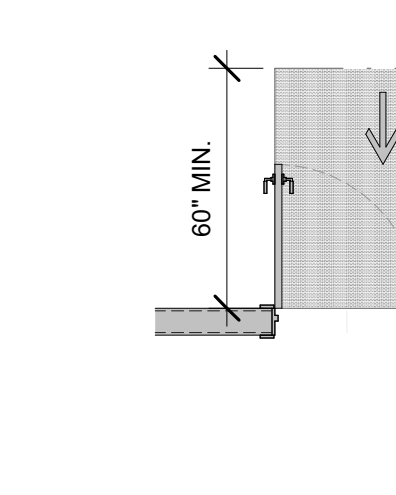
REACH RANGE - OBSTRUCTED FORWARD REACH
20 INCHES TO 25 INCHES
ANSI A117.1 308.2.2 B



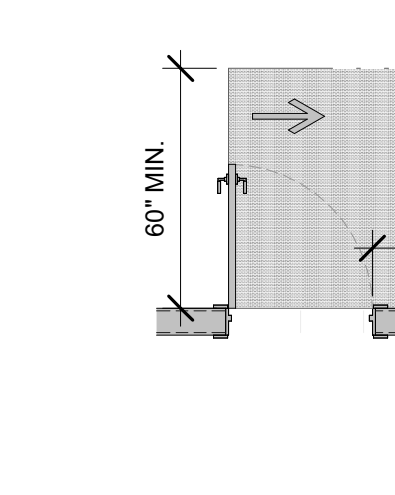
REACH RANGE - OBSTRUCTED HIGH SIDE REACH
ANSI A117.1 308.3.2 B



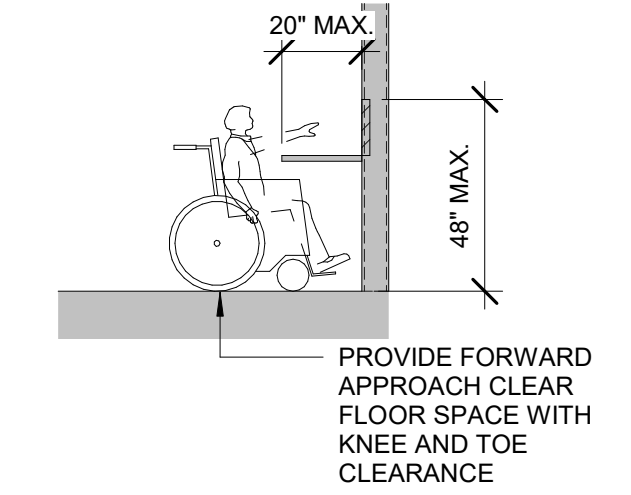
MANEUVERING CLEARANCE
FRONT APPROACH - PULL SIDE
ANSI A117.1 404.2.3.2 A



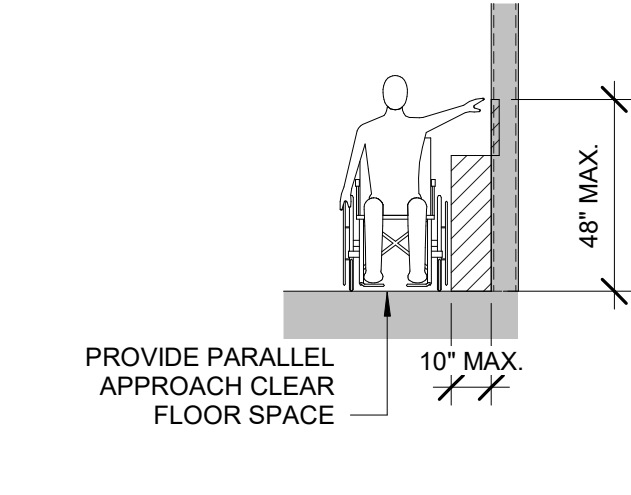
MANEUVERING CLEARANCE
HINGE APPROACH - PULL SIDE
ANSI A117.1 404.2.3.2 D



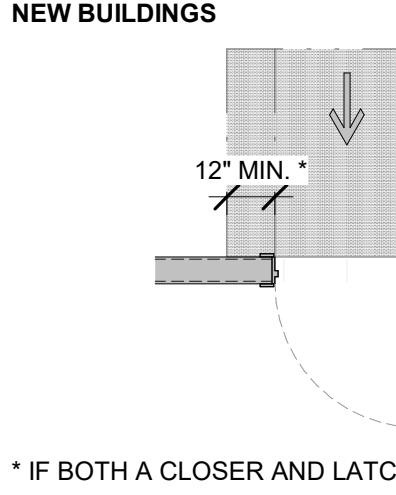
REACH RANGE - OBSTRUCTED FORWARD REACH
UP TO 20 INCHES MAX
ANSI A117.1 308.2.2 A



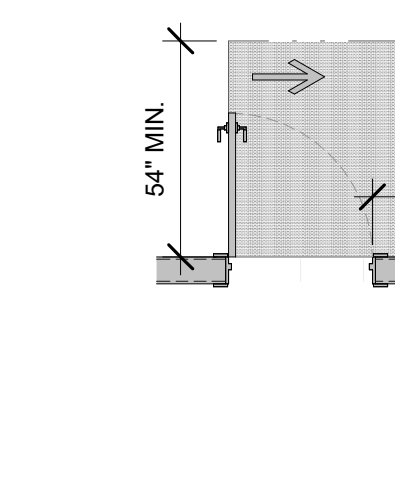
REACH RANGE - OBSTRUCTED HIGH SIDE REACH
ANSI A117.1 308.3.2 A



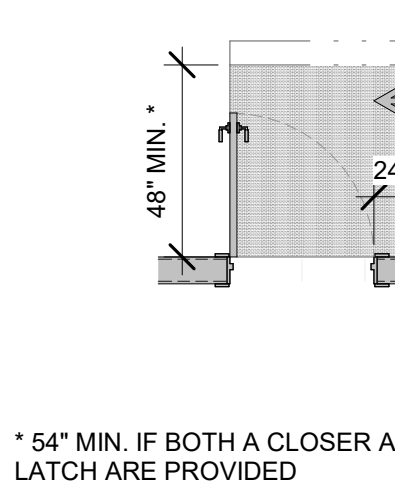
MANEUVERING CLEARANCE
FRONT APPROACH - PUSH SIDE
ANSI A117.1 404.2.3.2 B
NEW BUILDINGS



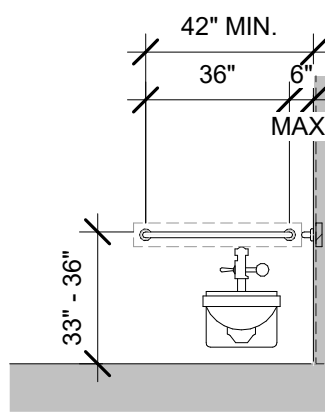
MANEUVERING CLEARANCE
HINGE APPROACH - PULL SIDE
ANSI A117.1 404.2.3.2 E



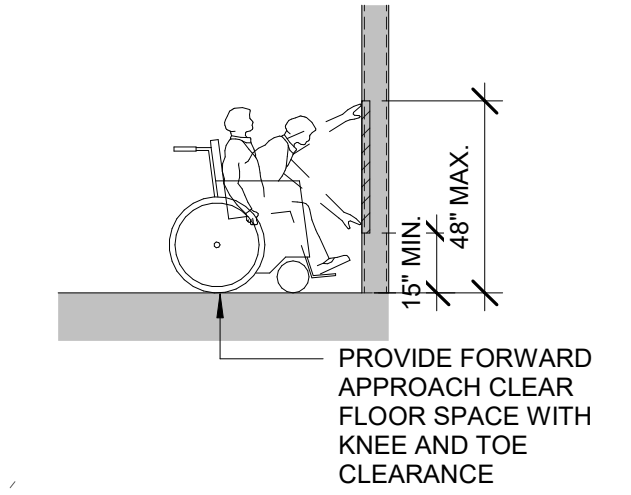
MANEUVERING CLEARANCE
LATCH APPROACH - PULL SIDE
ANSI A117.1 404.2.3.2 G



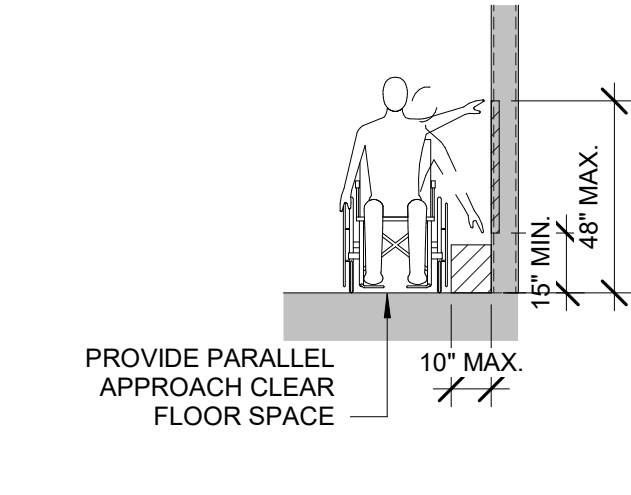
ACCESSIBLE BATHROOM, TOILET
ANSI A117.1 604.5.2
GRAB BARS



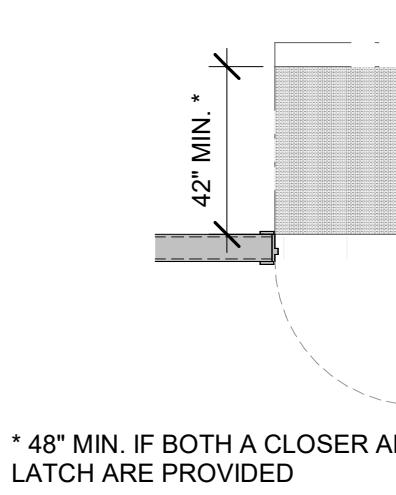
REACH RANGE - UNOBSTRUCTED FORWARD REACH
ANSI A117.1 308.2.1



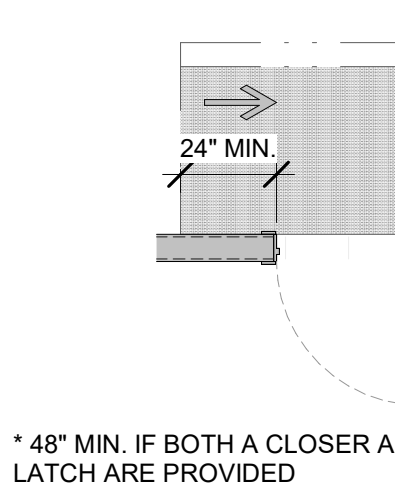
REACH RANGE - UNOBSTRUCTED SIDE REACH
ANSI A117.1 308.3.1



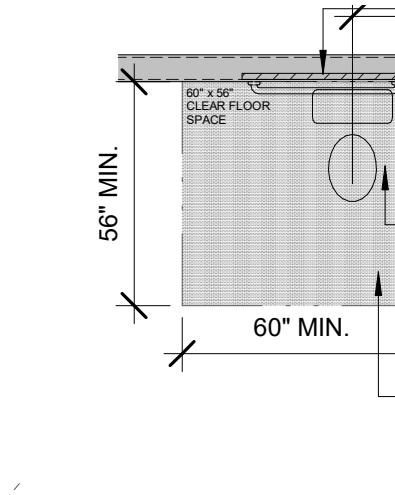
MANEUVERING CLEARANCE
HINGE APPROACH - PUSH SIDE
ANSI A117.1 404.2.3.2 F



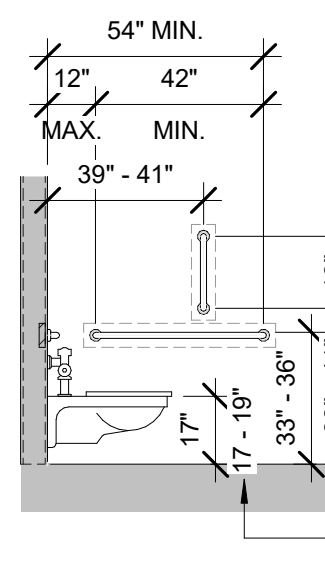
MANEUVERING CLEARANCE
LATCH APPROACH - PUSH SIDE
ANSI A117.1 404.2.3.2 H



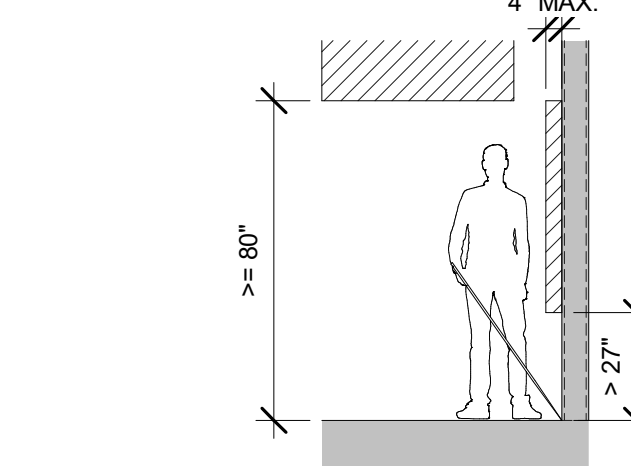
ACCESSIBLE BATHROOM, TOILET
ANSI A117.1 604



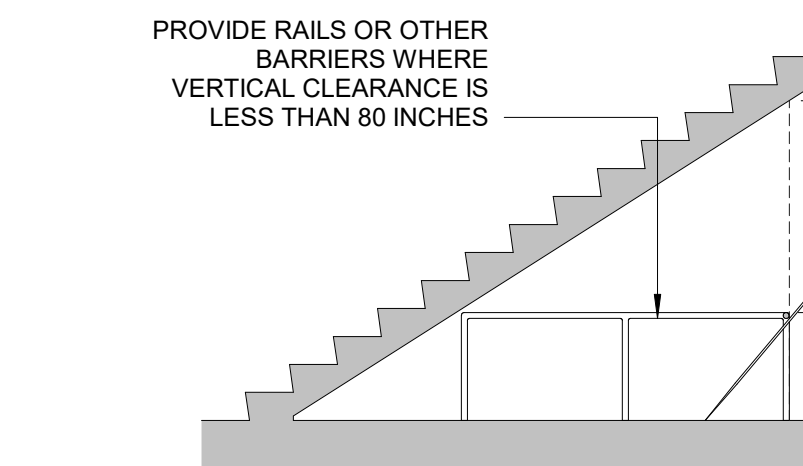
ACCESSIBLE BATHROOM, TOILET
ANSI A117.1 604.5.1
GRAB BARS + SEAT HEIGHT



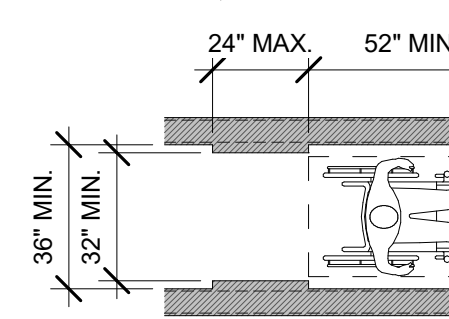
PROTRUDING OBJECT LIMITS
ANSI A117.1 307.2



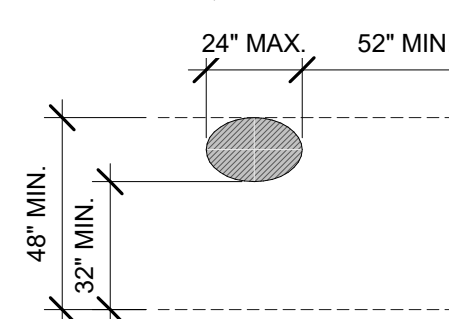
VERTICAL CLEARANCE AT REDUCED CLEARANCE OBJECTS
ANSI A117.1 307.4



ACCESSIBLE ROUTE CLEAR WIDTH
ANSI A117.1 403.5.1 A
NEW BUILDINGS, INTERIOR



ACCESSIBLE ROUTE CLEAR WIDTH
ANSI A117.1 403.5.1 B
NEW BUILDINGS, EXTERIOR



ACCESSIBLE UNITS - KITCHEN

- KITCHENS (1102.12):**
 - WITH A COOKTOP OR CONVENTIONAL RANGE:
 - WORK SURFACE (804.3):** PROVIDE AT LEAST ONE ACCESSIBLE WORK SURFACE 30 INCHES MINIMUM IN WIDTH, 36 INCHES MINIMUM AT T-SHAPED TURNAROUND, POSITIONED FOR FORWARD APPROACH WITH KNEE AND TOE CLEARANCES ADJACENT TO THE LATCH SIDE OF OVEN DOORS WHERE THE DOOR IS SIDE HINGED OR TO ONE SIDE OF THE DOOR WHEN BOTTOM HINGED.
 - WITHOUT A COOKTOP OR CONVENTIONAL RANGE: PROVIDE CLEARANCES BETWEEN ALL BASE CABINETS, COUNTERTOPS, APPLIANCES AND WALLS WITHIN THE WORK AREA AT 40 INCHES MINIMUM (804.2.3).
 - WORK SURFACE SHALL NOT BE REQUIRED
 - COUNTERTOPS, DINING AND WORK SURFACES (902.4):**
 - HEIGHTS OF COUNTERTOPS SHALL BE 28 INCHES MINIMUM AND 34 INCHES MAXIMUM ABOVE FINISH FLOOR. IDEALLY, COUNTERTOPS SHALL BE PLACED AT 34 INCHES ABOVE FINISH FLOOR.
 - NOTE:** APPLIANCES WITHIN 34 INCH COUNTERTOPS MAY BE SPECIAL ORDER. CONTRACTOR TO CONFIRM PRIOR TO INSTALLATION.
 - SINKS (804.4):** PROVIDE AS FULLY ACCESSIBLE, WITH CLEAR FLOOR SPACES AND CLEARANCES, PER THE ACCESSIBLE DETAILS OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY.
 - WATER SUPPLY AND DRAIN PIPING SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT WITH OCCUPANT. NO ABRASIVE OR SHARP EDGES SHALL BE UNDER THE SINK.
 - KITCHEN SINK** SHALL HAVE ONE BOWL WITH 6-1/2 INCH MAXIMUM DEPTH WITH LEVER TYPE HARDWARE
 - APPLIANCES (804.5):** PROVIDE AS FULLY ACCESSIBLE, WITH CLEAR FLOOR SPACES AND CLEARANCES, PER THE ACCESSIBLE DETAILS OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY.
 - OPERABLE PARTS (804.5.2):** SEE OPERABLE PARTS ABOVE.
 - DISHWASHER (804.5.3):** PROVIDE AS FULLY ACCESSIBLE, WITH CLEAR FLOOR SPACES AND CLEARANCES, PER THE ACCESSIBLE DETAILS OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY. THE DOOR IN THE OPEN POSITION SHALL NOT OBSTRUCT THE CLEAR FLOOR SPACE FOR THE DISHWASHER OR ADJACENT SINK.
 - COOKTOP (804.5.4) + OVENS (804.5.5):** PROVIDE AS FULLY ACCESSIBLE, WITH CLEAR FLOOR SPACES AND CLEARANCES, PER THE ACCESSIBLE DETAILS OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY. THE LOCATION OF THE CONTROLS SHALL NOT REQUIRE REACHING ACROSS BURNERS OR HOT SURFACES.
 - RANGE HOOD ABOVE RANGE/OVEN** SHALL HAVE REDUNDANT CONTROLS BELOW 44 INCHES. THE LOCATION OF THE CONTROLS SHALL NOT REQUIRE REACHING ACROSS BURNERS OR HOT SURFACES.
 - REFRIGERATOR/FREEZER (804.5.6):** COMBINATION REFRIGERATORS AND FREEZERS SHALL HAVE AT LEAST 50 PERCENT OF THE FREEZER COMPARTMENT SHELVES, INCLUDING THE BOTTOM OF THE FREEZER WITHIN 54 INCHES MAXIMUM ABOVE FINISH FLOOR WHEN THE SHELVES ARE INSTALLED AT THE MAXIMUM HEIGHT IN THE COMPARTMENT. PROVIDE AS FULLY ACCESSIBLE, WITH CLEAR FLOOR SPACES AND CLEARANCES, PER THE ACCESSIBLE DETAILS OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY.

ACCESSIBLE UNITS - GENERAL

- PRIMARY ENTRANCE (1102.2) -** PROVIDE ON AN ACCESSIBLE ROUTE FROM PUBLIC AND COMMON SPACES. THE PRIMARY ENTRANCE SHALL NOT BE TO A BEDROOM UNLESS THE BEDROOM IS THE ONLY ENTRY POINT.
- ACCESSIBLE ROUTE + LOCATION (1102.3.1) -** PROVIDE AT LEAST ONE ACCESSIBLE ROUTE CONNECTING ALL SPACES AND ELEMENTS THAT ARE PART OF THE UNIT. THE ROUTE SHALL COINCIDE OR BE THE SAME AS THE GENERAL CIRCULATION PATH.
- TURNING SPACE (1102.3.2) -** PROVIDE A TURNING SPACE IN ALL ROOMS ALONG THE ACCESSIBLE ROUTE
- WALKING SURFACE (1102.4):**
 - FLOOR SURFACE (403.2):** FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT (302.1).
 - SLOPE (403.3):** MAXIMUM SLOPE SHALL BE 1:20; WITH A MAXIMUM CROSS SLOPE OF 1:48.
 - CHANGES IN LEVEL (403.4):** VERTICAL CHANGES IN LEVEL OF 1/4 INCH MAXIMUM ARE PERMITTED (303.2); BEVELED CHANGES IN LEVEL OF 1/2 INCH MAXIMUM ARE PERMITTED IF THE INITIAL VERTICAL CHANGE IS 1/4 INCH PLUS A SLOPED AREA NOT MORE THAN 1:2 MAXIMUM IS PROVIDED, OR IF THE ENTIRE 1/2 INCH RISE IS SLOPED NOT MORE THAN 1:2 MAXIMUM. CHANGES IN LEVEL GREATER THAN 1/2 INCH ARE CONSIDERED A RAMP.
 - CLEAR WIDTH (403.5.1):** INTERIOR MINIMUM CLEAR WIDTH SHALL BE 36 INCHES. EXTERIOR MINIMUM CLEAR WIDTH SHALL BE 48 INCHES.
 - EXCEPTIONS COULD APPLY
 - CLEAR WIDTH AT 180 DEGREE TURNS (403.5.2):** SEE G032 FOR ACCESSIBLE ROUTES INFORMATION WHERE AN ACCESSIBLE ROUTE MAKES A 180-DEGREE TURN
 - CLEAR WIDTH AT 90 DEGREE TURNS (403.5.3):** SEE G032 FOR ACCESSIBLE ROUTES INFORMATION WHERE AN ACCESSIBLE ROUTE MAKES A 90-DEGREE TURN
 - PASSING SPACE (403.5.4):** SEE G032 FOR ACCESSIBLE ROUTES INFORMATION
- DOORS + DOORWAYS + OPENINGS (1102.5) -** PROVIDE THE PRIMARY ENTRANCE DOOR AND ALL OTHER DOORWAYS INTENDED FOR PASSAGE WITH CLEARANCES INDICATED IN DOOR DIAGRAMS (404)
 - HARDWARE FOR DOORS SHALL BE MOUNTED 34 INCHES MINIMUM TO 48 MAXIMUM ABOVE FINISH FLOOR OR GROUND SURFACE AND SHALL MEET THE OPERABLE PARTS REQUIREMENTS.
- OPERABLE PARTS (1102.9) -** LIGHTING CONTROLS, ELECTRICAL PANELBOARDS, ELECTRICAL SWITCHES AND RECEPTACLE OUTLETS, ENVIRONMENTAL CONTROLS, APPLIANCE CONTROLS, PLUMBING FIXTURES CONTROLS AND USER CONTROLS FOR SECURITY OR INTERCOM SHALL BE PLACED WITHIN ONE OF THE CLEAR FLOOR SPACE DIAGRAM INDICATED (305), WITH KNEE AND TOE CLEARANCE AS INDICATED (308), AND OUT OF THE AREA OF PROTRUDING OBJECTS (307), AND WITHIN ONE OF THE REACH RANGE DIAGRAMS (308). OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST WITH A MAXIMUM FORCE TO ACTIVATE OF 5.0 POUNDS.
- WINDOWS (1102.13):** WHERE OPERABLE WINDOWS ARE PROVIDED WITHIN A SPACE, AT LEAST ONE WINDOW SHALL BE PROVIDED AS ACCESSIBLE, WITH CLEAR FLOOR SPACE AND OPERABLE PARTS WITHIN REACH RANGES.
 - SEE OPERABLE PARTS INFORMATION ABOVE.
 - EXCEPTIONS: 8.5 POUNDS MAXIMUM FORCE SHALL BE ALLOWED FOR VERTICAL OR HORIZONTAL SLIDING WINDOWS.
 - EXCEPTIONS:
 - WINDOWS IN KITCHENS AND BATHROOMS SHALL NOT BE REQUIRED TO COMPLY.
 - WINDOWS THAT ARE OPERATED ONLY BY EMPLOYEES.
 - SKYLIGHTS
- STORAGE (1102.14):** PROVIDE AS FULLY ACCESSIBLE, WITH CLEAR FLOOR SPACES AND CLEARANCES, REACH RANGES, AND OPERABLE PARTS PER THE ACCESSIBLE DETAILS OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY.
 - EXCEPTION: KITCHEN CABINETS ARE NOT REQUIRED TO COMPLY.
 - CLOSET SHELVES SHALL BE WITHIN A REACH RANGE OF 15 TO 48 INCHES FROM THE FINISH FLOOR TO THE TOP OF EACH SHELF (308).
 - CLOSET CLOTHES RODS SHALL BE WITHIN THE REACH RANGE OF 44 INCHES TO THE TOP OF THE ROD (308).
- BEDS (1102.15.3):** IF BEDS ARE PROVIDED, PROVIDE AT LEAST ONE BED AT 17 TO 23 INCHES ABOVE FINISH FLOOR TO THE TOP OF THE UNCOMPRESSED MATTRESS.

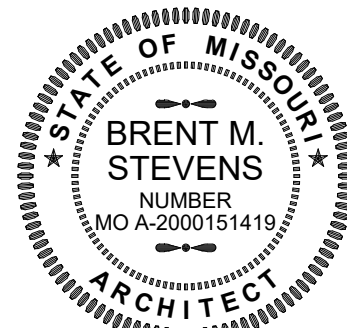
REACH RANGES DO NOT APPLY TO THE FOLLOWING:

- ELECTRICAL RECEPTACLES SERVING A DEDICATED USE.
- FLOOR ELECTRICAL RECEPTACLES.
- HVAC DIFFUSERS
- CONTROLS MOUNTED ON RANGE HOODS IF ACCESSIBLE REDUNDANT CONTROLS ARE PROVIDED.
- CONTROLS MOUNTED ON CEILING FANS.

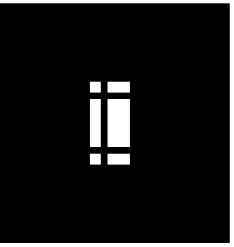
ACCESSIBLE UNITS - BATHROOMS

- TOILET AND BATHING FACILITIES, CLEAR FLOOR SPACE:** PROVIDE CLEAR FLOOR SPACE OR CLEARANCES PER THE ACCESSIBLE DETAILS OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY.
- TOILET AND BATHING FACILITIES (1102.12):**
 - AT LEAST ONE TOILET AND BATHING FACILITY INCLUDING AT LEAST ONE LAVATORY, ONE WATER CLOSET, AND EITHER A BATHTUB OR SHOWER SHALL BE LOCATED WITHIN THE SAME ROOM AND SHALL BE FULLY ACCESSIBLE, WITH CLEAR FLOOR SPACES AND CLEARANCES, PER THE ACCESSIBLE DETAILS OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY.
 - GRAB BARS AND SHOWER SEAT REINFORCEMENT (1102.11):** ALL TOILET AND BATHING FACILITIES WITHIN THE UNIT **NOT** REQUIRED TO BE ACCESSIBLE SHALL HAVE GRAB BAR AND SHOWER SEAT REINFORCEMENT INSTALLED TO ALLOW FOR FUTURE INSTALLATION OF GRAB BARS OR SHOWER SEATS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS, OR AS INDICATED WITHIN THE INDICATED DETAILS (1104.11.1).
 - EXCEPTIONS MAY APPLY (1104.11.1)
 - LAVATORY:** PROVIDE CLEAR FLOOR SPACE OR CLEARANCES PER THE ACCESSIBLE DETAILS OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY.
 - ACCESSIBLE UNITS SHALL HAVE EQUIVALENT COUNTERTOP SPACE, IN TERMS OF SIZE AND PROXIMITY TO THE LAVATORY, AS NON-ACCESSIBLE UNITS (1102.11.2.1).
 - WATER SUPPLY AND DRAIN PIPING SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT WITH OCCUPANT. NO ABRASIVE OR SHARP EDGES SHALL BE UNDER THE LAVATORY.
 - MIRRORS (1102.11.2.2):** MIRRORS SHALL BE MOUNTED SUCH THAT THE BOTTOM EDGE OF THE REFLECTING SURFACE IS 40 INCHES MAXIMUM ABOVE FINISHED FLOOR.
 - WATER CLOSET:** PROVIDE AS FULLY ACCESSIBLE, WITH CLEAR FLOOR SPACES AND CLEARANCES, PER THE ACCESSIBLE DETAILS OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY.
 - BATHING FIXTURES, BATHTUB:** PROVIDE AS FULLY ACCESSIBLE, WITH CLEAR FLOOR SPACES AND CLEARANCES, PER THE ACCESSIBLE DETAILS OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY.
 - BATHING FIXTURES, SHOWER:** PROVIDE AS FULLY ACCESSIBLE, WITH CLEAR FLOOR SPACES AND CLEARANCES, PER THE ACCESSIBLE DETAILS OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY.
 - SHOWER SPRAY UNIT SHALL HAVE MINIMUM 59 INCH HOSE (607).
 - TOILET PAPER DISPENSER (604.7):** MOUNT 7 TO 9 INCHES MAXIMUM IN FRONT OF THE TOILET

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MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 7815603018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: JANUARY 17, 2023

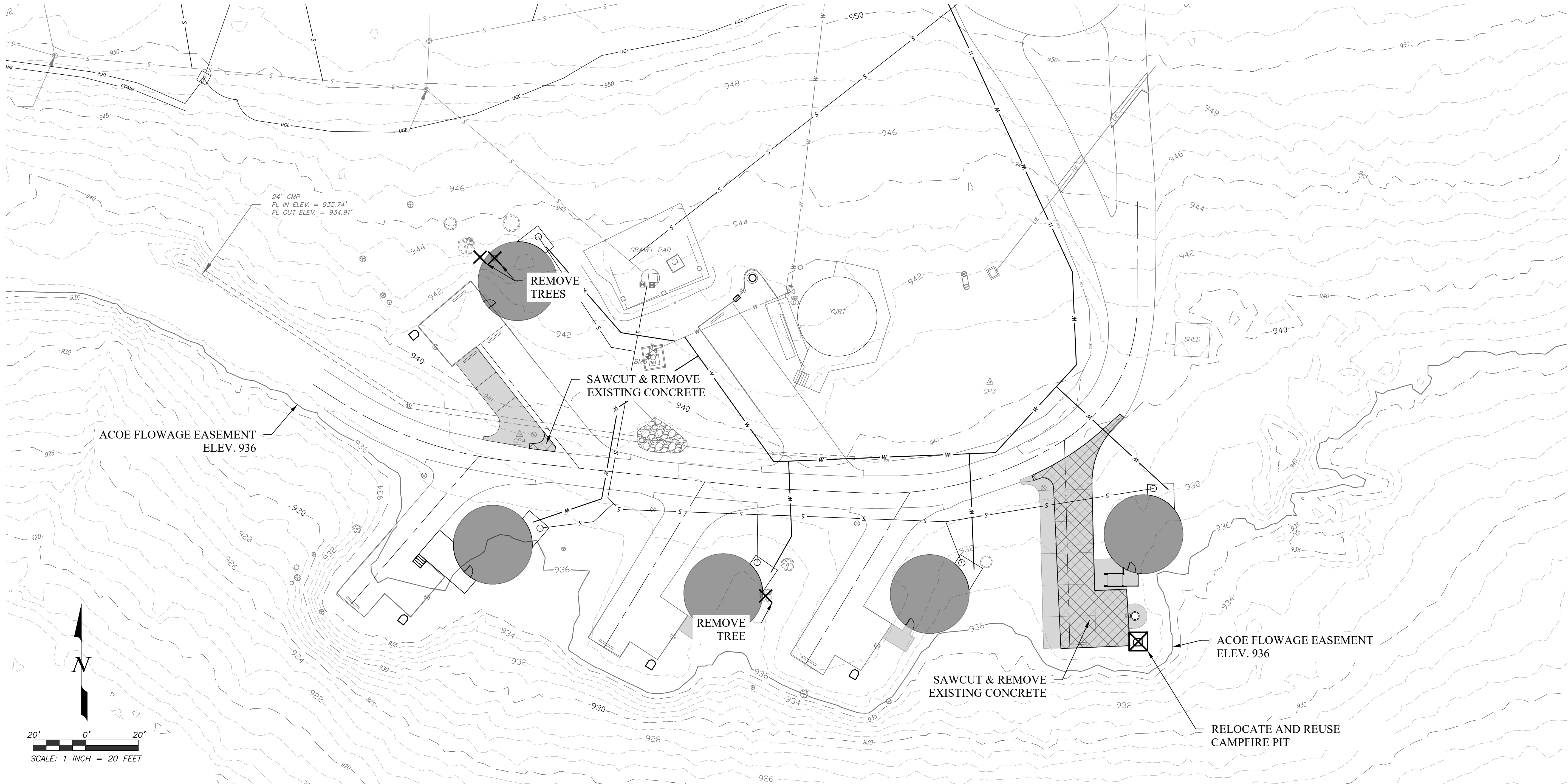
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DRAWN BY: HDG
CHECKED BY: HDG
DESIGNED BY: HDG

SHEET TITLE:
ACCESSIBLE
DETAILS

SHEET NUMBER:

G-103

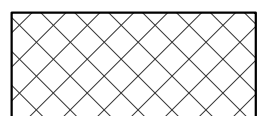
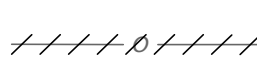




SHEET 4 OF 32
1/17/2023 9:09:27 AM



NOTE

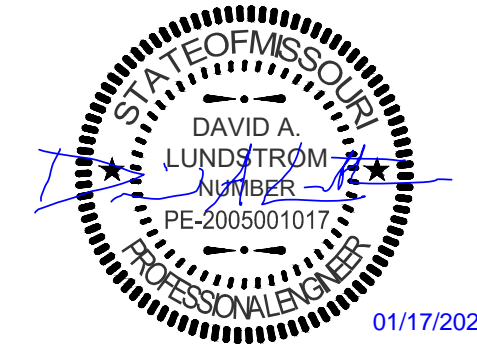
1. CONTRACTOR SHALL REMOVE ALL DEMOLITION MATERIAL FROM THE SITE AND DISPOSE OF IT IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR DISPOSAL.
- 2.LIGHT POLE, PULL BOXES AND BASES WITHIN THE LIMITS OF THE NEW WORK SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH THE ABOVE UNLESS OTHERWISE NOTED. REMOVE WIRE TO A MINIMUM OF 12" BELOW GRADE AND ABANDON UNDERGROUND WIRE IN PLACE. BACKFILL AND COMPACT ALL VOIDS.
3. RELOCATE HYDRANTS, METERS AND OTHER UTILITY STRUCTURES AND ELEMENTS OUT OF THE NEW PAVEMENT AS INDICATED. ADJUST UTILITY ELEMENTS TO REMAIN TO FINISH GRADE.
4. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION, DISPOSAL, DNR AND ALL OTHER PERMITS NECESSARY TO COMPLETE THE WORK.
5. BLASTING AND BURNING ARE PROHIBITED.
6. CONTRACTOR SHALL REMOVE OTHER SITE ELEMENTS WHICH ARE NOT INTENDED FOR DEMOLITION, BUT ARE OBSTACLES TO CONSTRUCTION AND STORE THEM SAFELY DURING THE PROGRESS OF THE WORK. REINSTALL THE TEMPORARILY REMOVED ITEMS TO ORIGINAL LOCATION AND CONDITION. REPLACE ANY DAMAGED ELEMENTS. THERE WILL BE NO ADDITIONAL PAYMENT FOR REPLACEMENT.
7. ALL PAVEMENT AND SIDEWALK REMOVALS SHALL BE MADE TO A CLEAN AND UNIFORM SAWCUT FACE. REMOVE TO AN EXISTING CONSTRUCTION OR EXPANSION JOINT IF WITHIN 3' OF THE PROPOSED SAWCUT.
8. ABANDON EXISTING PIPES, VAULTS AND OTHER UNDERGROUND STRUCTURES BY COMPLETELY REMOVING THEM OR BY COMPLETELY FILLING THE BURIED STRUCTURE WITH SAND AND OR LOW STRENGTH CONCRETE SLURRY.
9. ALL DEMOLITION IS PART OF THE BASE BID.
10. NO OPEN CUTTING OF ASPHALT ROADWAY IS ALLOWED. ALL UTILITES BENEATH PRIMARY ASPHALT ROADWAY SHALL BE BORED.

LEGEND:

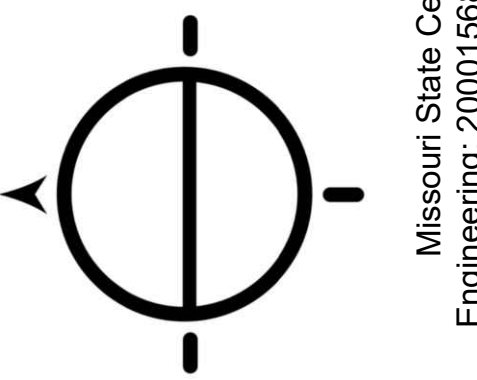
-  SAWCUT AND REMOVE PAVEMENT
-  LINEAR ITEMS TO BE REMOVED (FENCES, CURBING, ETC.)
-  TREE TO BE REMOVED
-  UTILITIES TO BE RELOCATED OR ADJUSTED
-  STRUCTURE TO BE RELOCATED OR ADJUSTED
-  GROUP OF TREES TO BE REMOVED



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Landscape Architecture: 2007013673

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TABLE ROCK STATE PARK
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WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
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BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 03018

REVISION: _____
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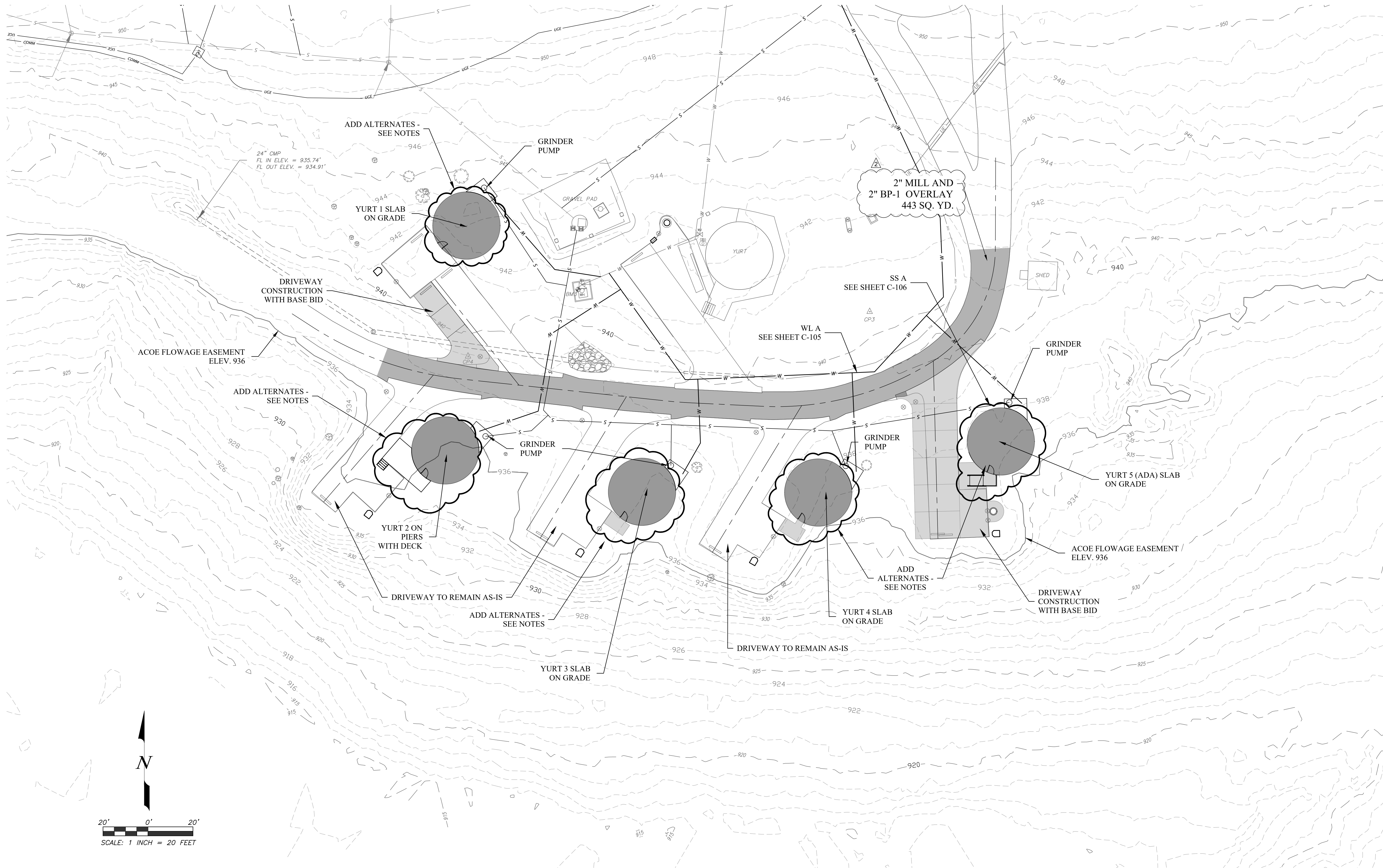
CAD DWG FILE:X2215-01_C-101
DRAWN BY: ALW
CHECKED BY: DAL
DESIGNED BY: ALW

SHEET TITLE:
**DEMOLITION PLAN
AND EXISTING
CONDITIONS**

SHEET NUMBER:

C-101

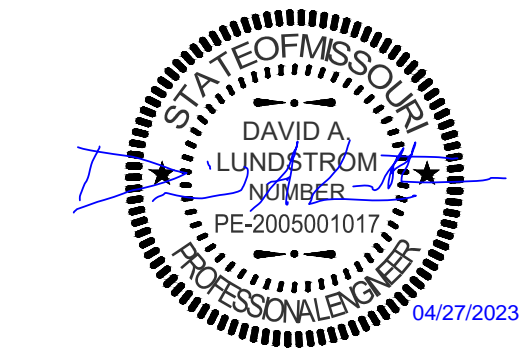
5 OF 32 SHEETS
01/17/2023



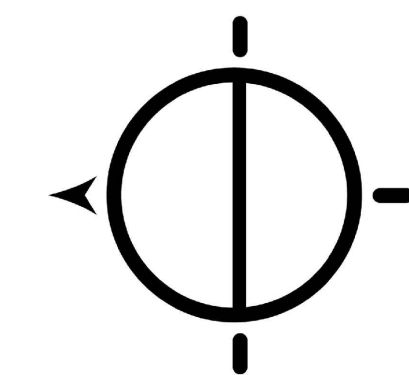
NOTE

1. BASE BID INCLUDES ALL SITE WORK, DRIVEWAY REPLACEMENT/EXPANSION, AND UTILITIES.
2. ADD ALTERNATE #1 INCLUDES DECK MATERIAL AND CONCRETE SLABS FOR YURT FOUNDATIONS AS WELL AS YURT UTILITY SERVICE ROUGH-INS. SEE MEP PLANS FOR DETAILS.
3. ADD ALTERNATE #2 INCLUDES THE BASE YURT STRUCTURE AND MATERIAL. SEE ARCHITECTURAL PLANS FOR DETAILS.
4. ADD ALTERNATE #3 INCLUDES THE INTERIOR FIXTURES AND FINISHES FOR THE YURTS. SEE ARCHITECTURAL PLANS FOR DETAILS.

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REVISION: REV. 2 - ADDENDUM 2
DATE: 04/27/2023
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REVISION: _____
DATE: _____
ISSUE DATE: JANUARY 17, 2023

CAD DWG FILE: X2215-01_C-102
DRAWN BY: ALW
CHECKED BY: DAL
DESIGNED BY: ALW

SHEET TITLE:

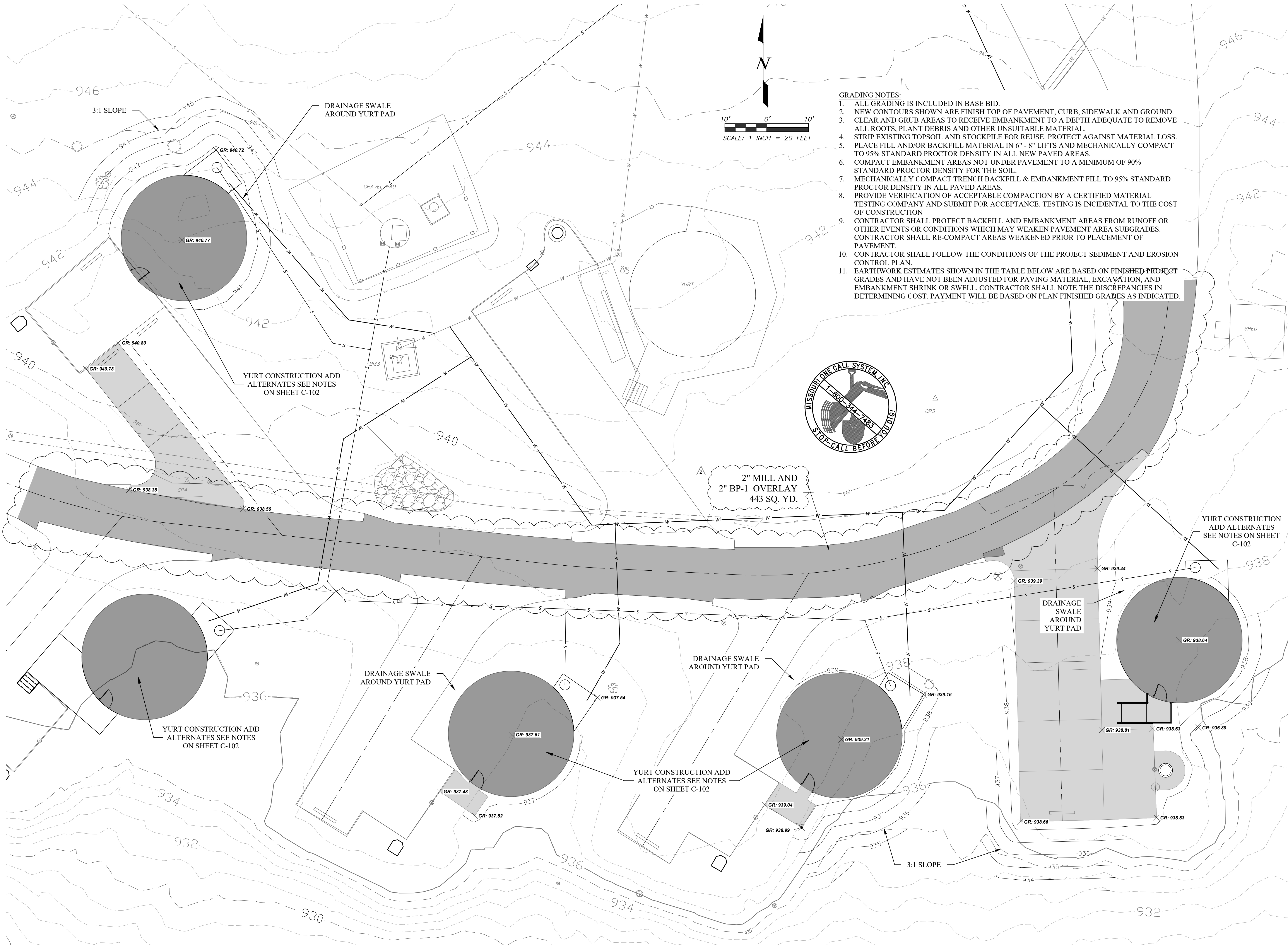
SITE PLAN

SHEET NUMBER:

C-102

6 OF 32 SHEETS
01/17/2023

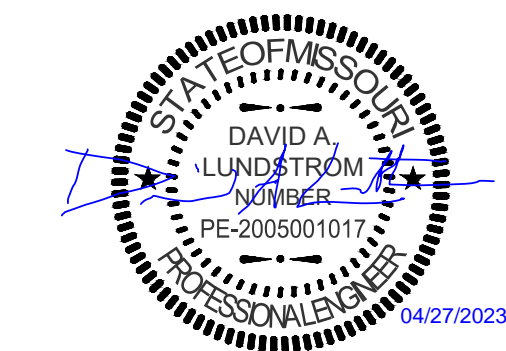




- GRADING NOTES:
1. ALL GRADING IS INCLUDED IN BASE BID.
 2. NEW CONTOURS SHOWN ARE FINISH TOP OF PAVEMENT, CURB, SIDEWALK AND GROUND.
 3. CLEAR AND GRUB AREAS TO RECEIVE EMBANKMENT TO A DEPTH ADEQUATE TO REMOVE ALL ROOTS, PLANT DEBRIS AND OTHER UNSUITABLE MATERIAL.
 4. STRIP EXISTING TOPSOIL AND STOCKPILE FOR REUSE. PROTECT AGAINST MATERIAL LOSS.
 5. PLACE FILL AND/OR BACKFILL MATERIAL IN 6" - 8" LIFTS AND MECHANICALLY COMPACT TO 95% STANDARD PROCTOR DENSITY IN ALL NEW PAVED AREAS.
 6. COMPACT EMBANKMENT AREAS NOT UNDER PAVEMENT TO A MINIMUM OF 90% STANDARD PROCTOR DENSITY FOR THE SOIL.
 7. MECHANICALLY COMPACT TRENCH BACKFILL & EMBANKMENT FILL TO 95% STANDARD PROCTOR DENSITY IN ALL PAVED AREAS.
 8. PROVIDE VERIFICATION OF ACCEPTABLE COMPACTION BY A CERTIFIED MATERIAL TESTING COMPANY AND SUBMIT FOR ACCEPTANCE. TESTING IS INCIDENTAL TO THE COST OF CONSTRUCTION
 9. CONTRACTOR SHALL PROTECT BACKFILL AND EMBANKMENT AREAS FROM RUNOFF OR OTHER EVENTS OR CONDITIONS WHICH MAY WEAKEN PAVEMENT AREA SUBGRADES. CONTRACTOR SHALL RE-COMPACT AREAS WEAKENED PRIOR TO PLACEMENT OF PAVEMENT.
 10. CONTRACTOR SHALL FOLLOW THE CONDITIONS OF THE PROJECT SEDIMENT AND EROSION CONTROL PLAN.
 11. EARTHWORK ESTIMATES SHOWN IN THE TABLE BELOW ARE BASED ON FINISHED PROJECT GRADES AND HAVE NOT BEEN ADJUSTED FOR PAVING MATERIAL, EXCAVATION, AND EMBANKMENT SHRINK OR SWELL. CONTRACTOR SHALL NOTE THE DISCREPANCIES IN DETERMINING COST. PAYMENT WILL BE BASED ON PLAN FINISHED GRADES AS INDICATED.



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REVISION: REV. 2 - ADDENDUM 2
DATE: 04/27/2023
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DATE: _____
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ISSUE DATE: JANUARY 17, 2023

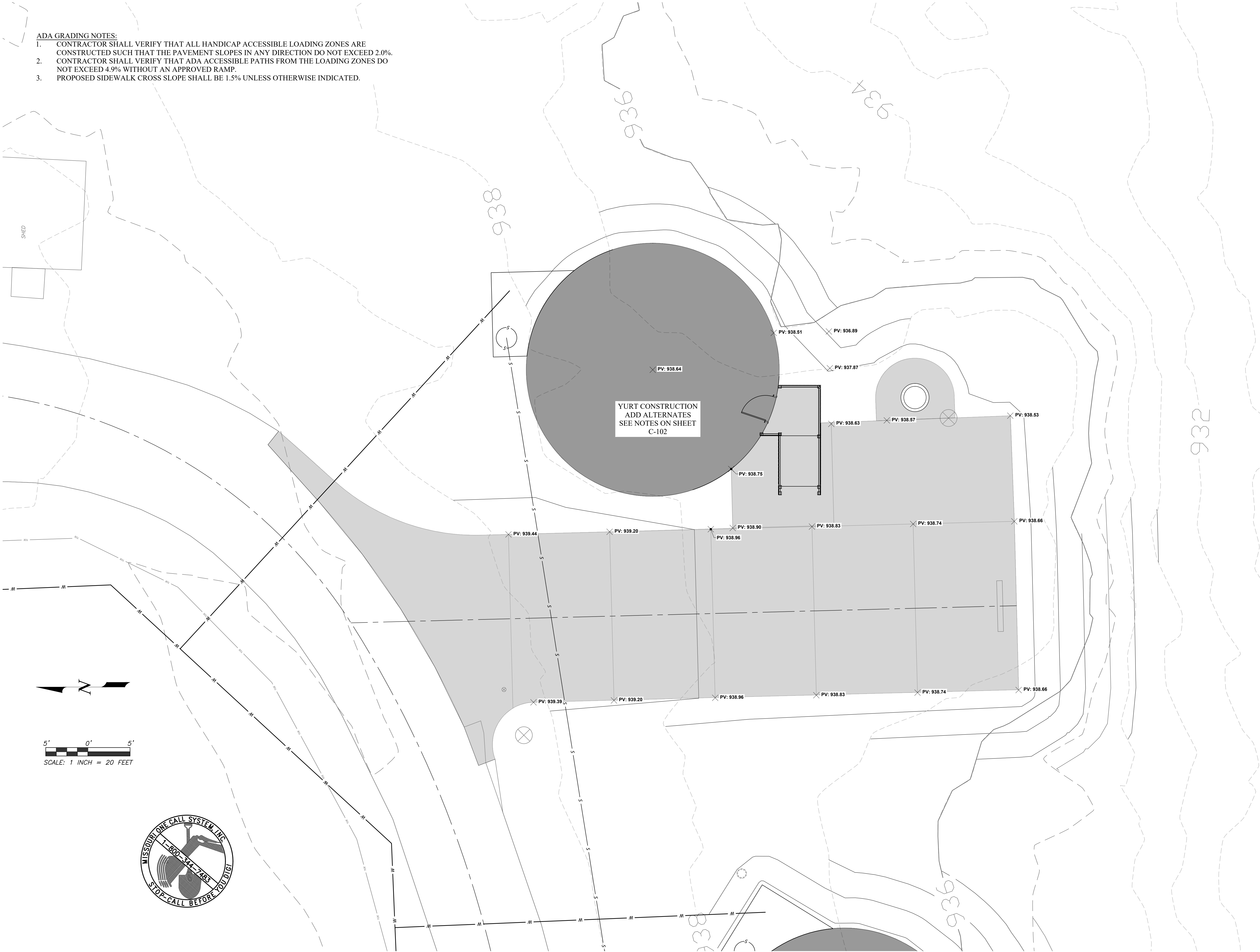
CAD DWG FILE: X2215-01_C-102
DRAWN BY: ALW
CHECKED BY: DAL
DESIGNED BY: ALW

SHEET TITLE:
SITE GRADING PLAN

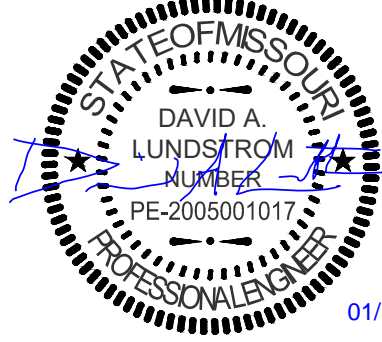
SHEET NUMBER:
C-103
7 OF 32 SHEETS
01/17/2023

ADA GRADING NOTES:

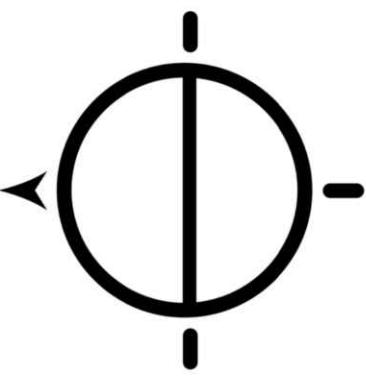
1. CONTRACTOR SHALL VERIFY THAT ALL HANDICAP ACCESSIBLE LOADING ZONES ARE CONSTRUCTED SUCH THAT THE PAVEMENT SLOPES IN ANY DIRECTION DO NOT EXCEED 2.0%.
2. CONTRACTOR SHALL VERIFY THAT ADA ACCESSIBLE PATHS FROM THE LOADING ZONES DO NOT EXCEED 4.9% WITHOUT AN APPROVED RAMP.
3. PROPOSED SIDEWALK CROSS SLOPE SHALL BE 1.5% UNLESS OTHERWISE INDICATED.



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ISSUE DATE: JANUARY 17, 2023

CAD DWG FILE: X2215-01_C-102
DRAWN BY: ALW
CHECKED BY: DAL
DESIGNED BY: ALW

SHEET TITLE:
ADA GRADING PLAN

SHEET NUMBER:
C-104
8 OF 32 SHEETS
01/17/2023

1. STA 0+00.00
CONNECT TO EXISTING
WATERMAIN. INSTALL MJ
2" X 2" X 2" TEE WITH
THRUST BLOCK

2. STA 0+05.00
INSTALL 2" VALVE

3. STA 0+75.19
EXISTING FORCEMAIN
CROSSING

4. STA 1+79.25
INSTALL 2" X 22.5° MJ BEND
WITH THRUST BLOCK

5. STA 2+14.50
INSTALL 2" X 45° MJ BEND
WITH THRUST BLOCK

6. STA 2+25.59
58 LF 1" PVC SERVICE LINE

7. STA 2+59.74
INSTALL 2" X 45° MJ BEND
WITH THRUST BLOCK

8. STA 2+69.74
44 LF 1" PVC SERVICE LINE

9. STA 3+38.42
44 LF 1" PVC SERVICE LINE

10. STA 3+44.02
INSTALL 2" X 45° MJ BEND
WITH THRUST BLOCK

11. STA 3+95.85
90 LF 1" PVC SERVICE LINE
ADD ALTERNATE #1

12. STA 4+02.24
CONNECT TO EXISTING WATERMAIN
INSTALL MJ 2" X 2" X 1" TEE WITH
THRUST BLOCK

13. STA 4+02.24
65 LF 1" PVC SERVICE LINE

14. STA 4+15.58
INSTALL 1" X 45° BEND ON SERVICE
CONNECTIONS; MAINTAIN 5'
DISTANCE FROM GRAVEL PAD

LEGEND:

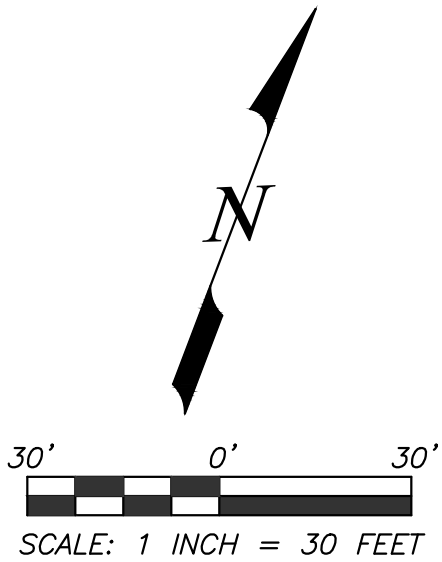
- W —

EXISTING WATERMAIN
- W —

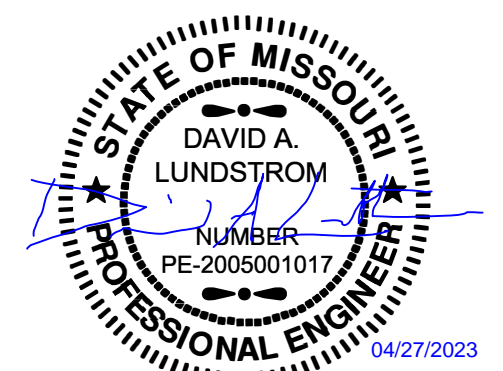
PROPOSED WATERMAIN
- WV

WATER VALVE
- YH

YARD SPIGOT



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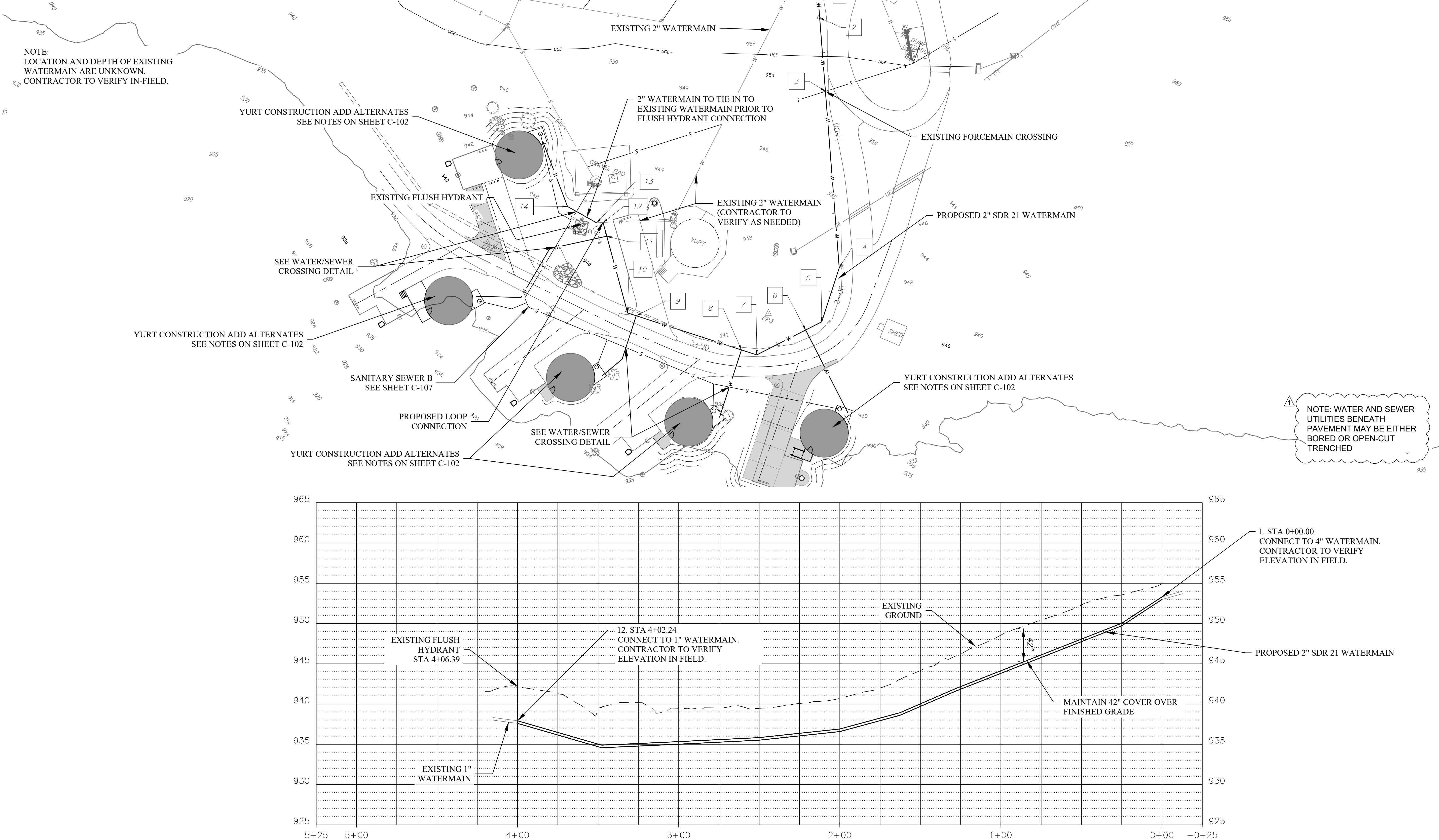
PROJECT # X2215-01
SITE # 5603
ASSET # 03018

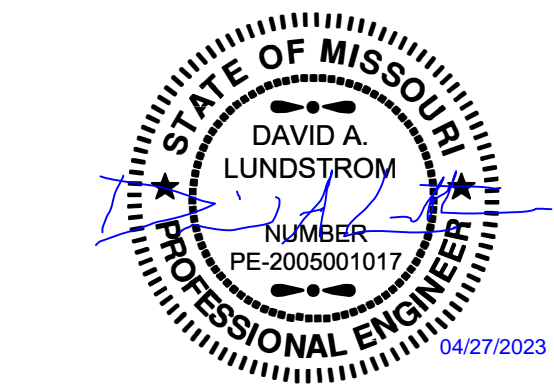
REVISION: REV. 1 - ADDENDUM 1
DATE: 04/20/2023
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 01/17/2023

CAD DWG FILE: X2215-01_C-003
DRAWN BY: WSH
CHECKED BY: CMW
DESIGNED BY: WSH

SHEET TITLE:
WATERLINE A

SHEET NUMBER:
C-105
9 OF 32 SHEETS
JANUARY 17, 2023





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DATE: 04/20/2023
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REVISION: _____
DATE: _____
ISSUE DATE: 01/17/2023

CAD DWG FILE: X2215-01_C-004
DRAWN BY: WSH
CHECKED BY: CMW
DESIGNED BY: WSH

SHEET TITLE:
SANITARY SEWER A

SHEET NUMBER:

C-106

10 OF 32 SHEETS
JANUARY 17, 2023

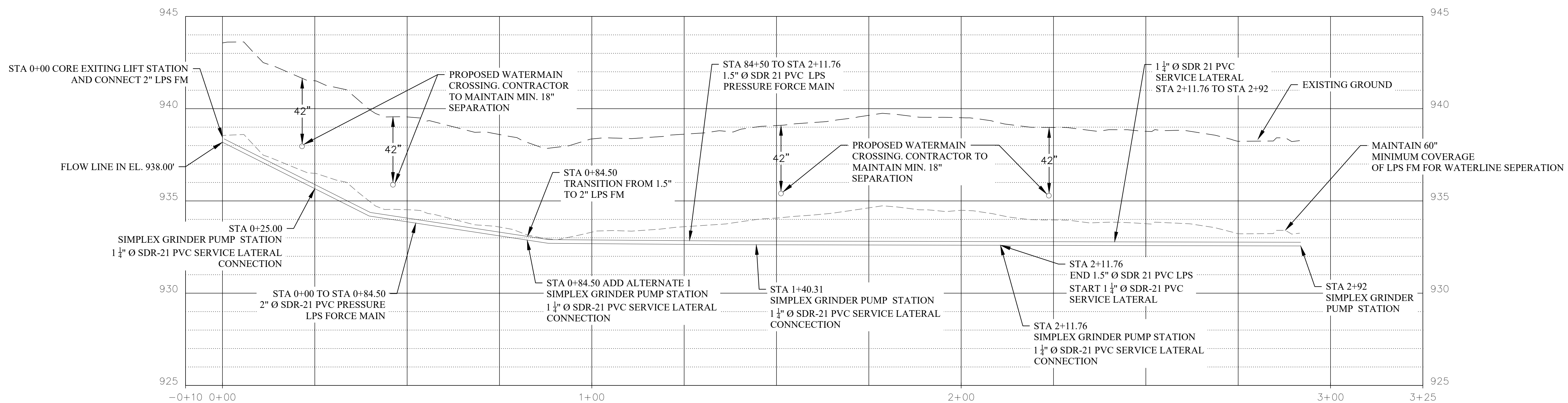
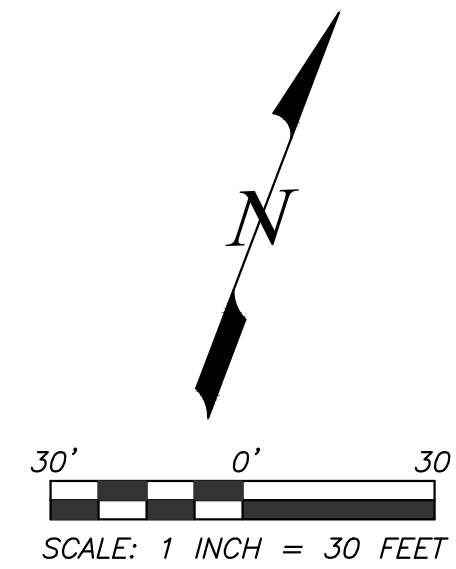
SANITARY SEWER A PLAN VIEW

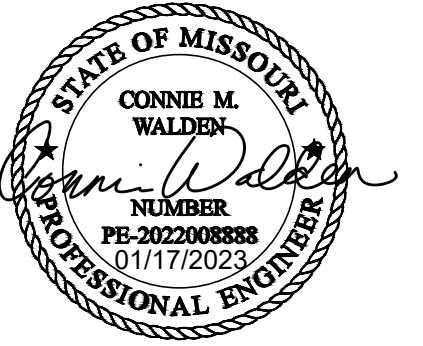
LEGEND:

- w — PROPOSED 2" WATERLINE
- s — PROPOSED LOW PRESSURE
SEWER (LPS) FORCE MAIN (FM)

NOTE: WATER AND SEWER
UTILITIES BENEATH
PAVEMENT MAY BE EITHER
BORED OR OPEN-CUT
TRENCHED

SANITARY SEWER A PROFILE





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REVISION: _____
DATE: _____
REVISION: _____
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REVISION: _____
DATE: _____

ISSUE DATE: 01/17/2023

CAD DWG FILE: X2215-01 C-003
DRAWN BY: WSH
CHECKED BY: CMW
DESIGNED BY: WSH

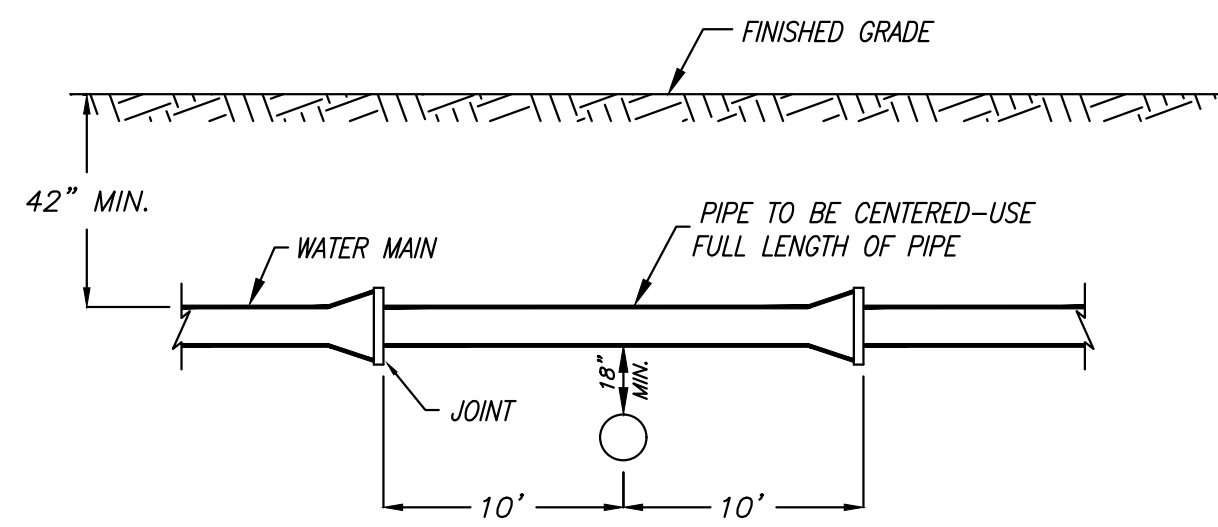
SHEET TITLE:

WATER DETAILS

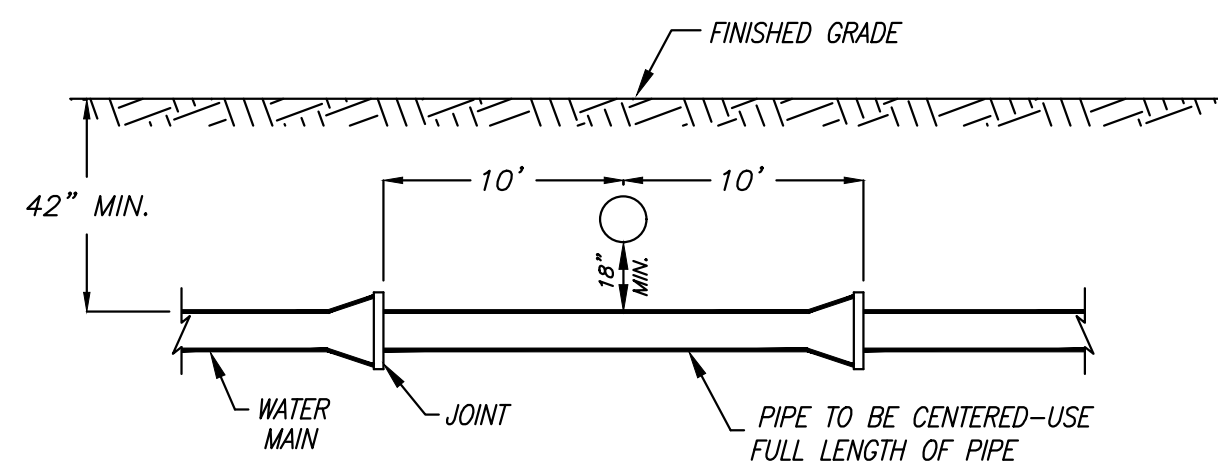
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C-501

11 OF 32 SHEETS
JANUARY 17, 2023



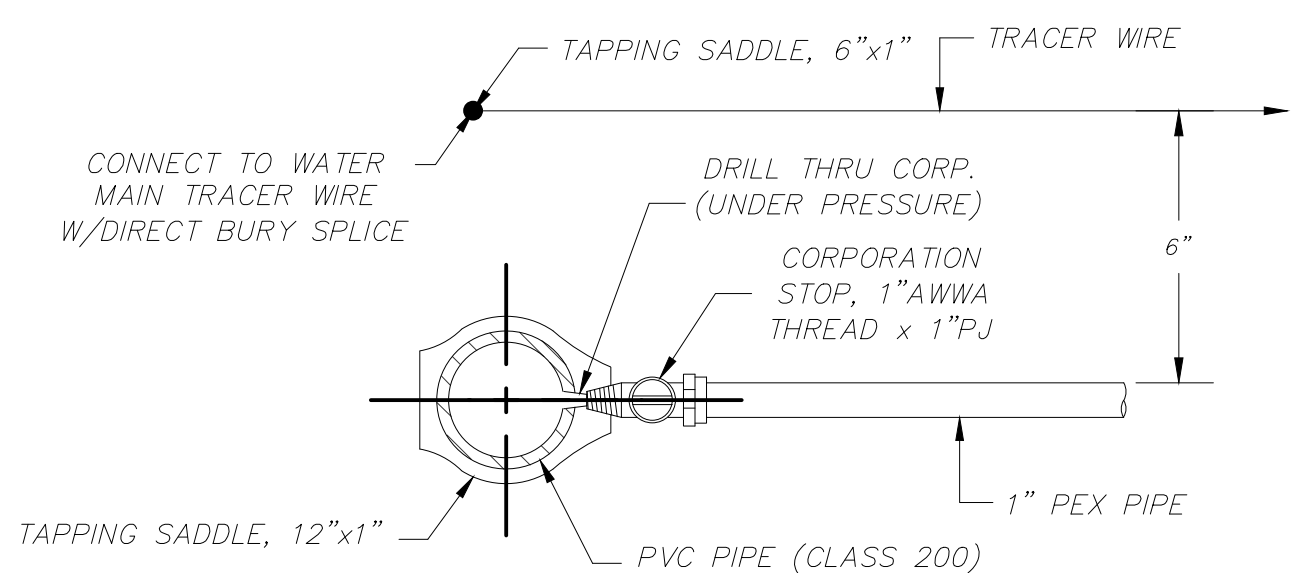
TYPICAL CROSSING
WATER MAIN OVER SEWER



TYPICAL CROSSING
WATER MAIN UNDER SEWER

WATER/SEWER CROSSING

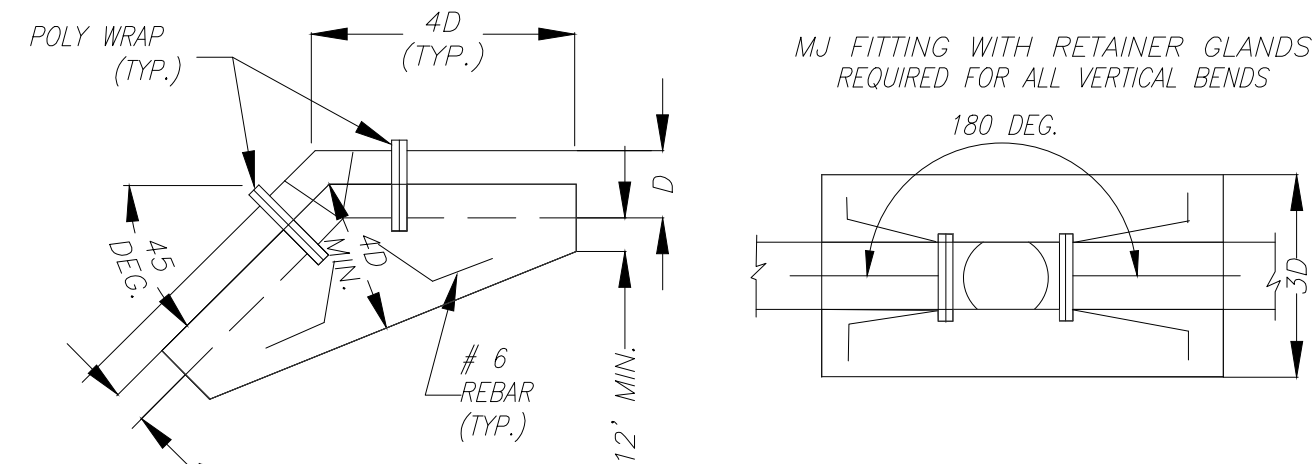
NOT TO SCALE



SADDLE W/CORPORATION STOP
(CLASS 200 PVC MAINS)

TYPICAL 1" PVC WATER SERVICE
CONNECTION ON CLASS 200 PVC MAIN

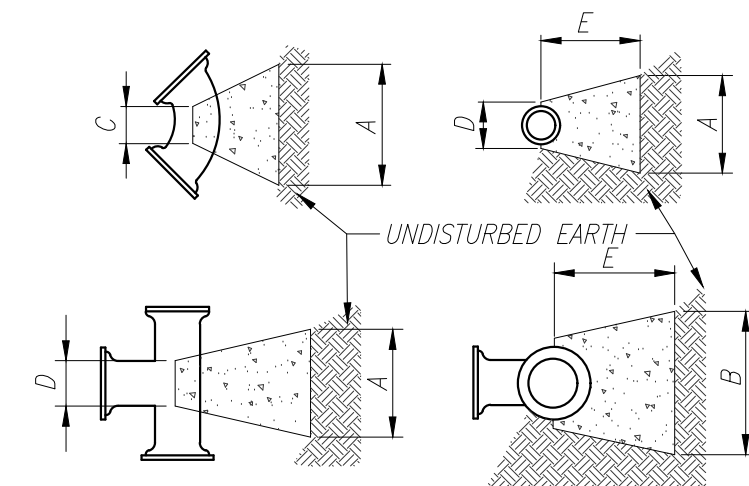
NOT TO SCALE



UNLESS NOTED OTHERWISE, THRUST BLOCKS SHALL BE INSTALLED AT ALL FITTING LOCATIONS.

VERTICAL BEND CONCRETE THRUST BLOCK DETAIL

NOT TO SCALE



CONCRETE THRUST BLOCK

NOT TO SCALE

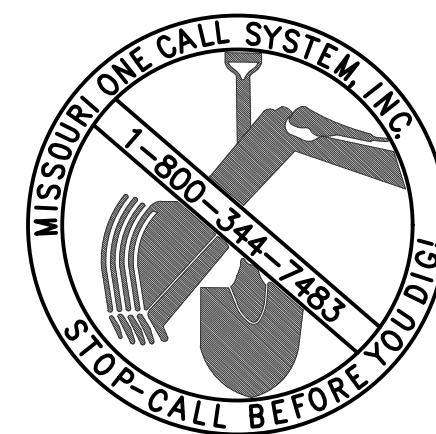
PIPE SIZE	FITTING	DISTANCE IN INCHES				
		A	B	C	D	E
4" AND SMALLER	11.25 ± .22.5"	9	9	8	8	6
	45°	18	9	8	8	12
	90°	21	12	8	8	12
	TEE/PLUG	21	12	8	8	12
	11.25 ± .22.5"	12	12	8	10	12
6"	45°	21	12	8	10	12
	90°	33	18	8	10	12
	TEE/PLUG	24	18	8	10	12
	11.25 ± .22.5"	18	15	8	10	12
	45°	33	15	8	10	18
8"	90°	42	24	8	18	18
	TEE/PLUG	30	24	8	10	18

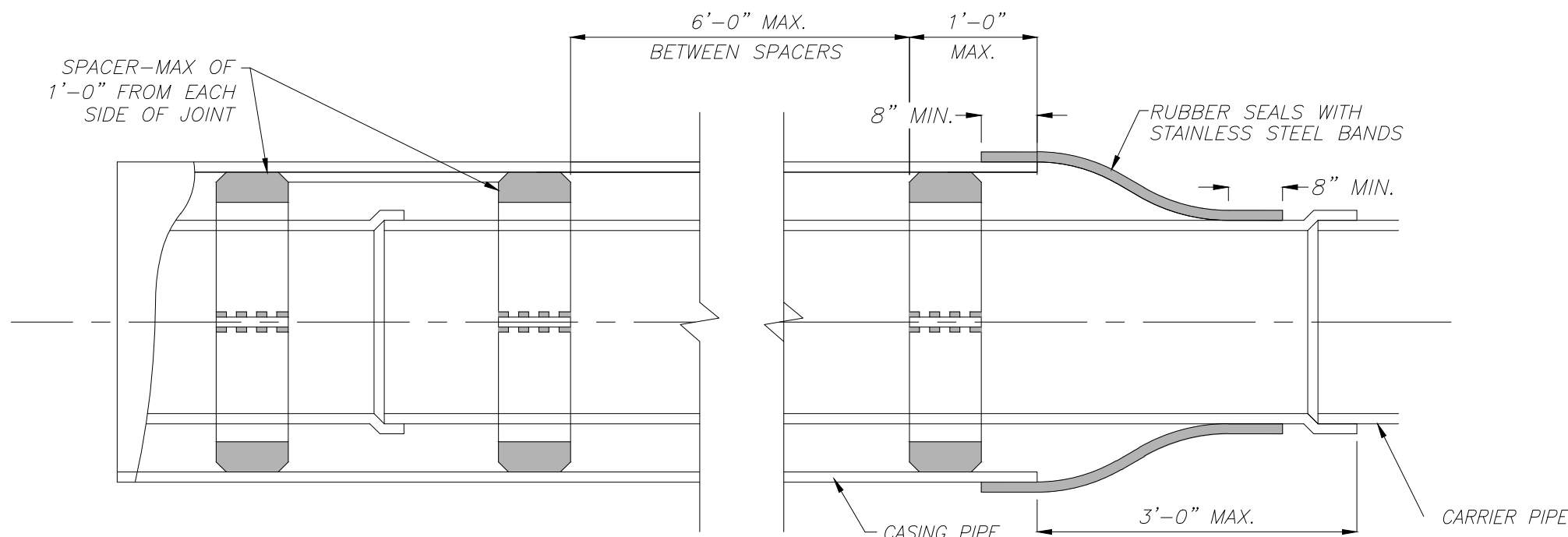
NOTES:

1. THRUST BLOCKS ARE BASED ON A WORKING PRESSURE OF 200 P.S.I. PLUS 0% SURGE, & 2000 P.S.F. ALLOWABLE SOIL BEARING PRESSURE.
2. FOR PIPE SIZES NOT SHOWN USE DIMENSIONS FOR NEXT LARGER SIZE.
3. USE 3/8" PLYWOOD SEPARATOR BETWEEN BLOCKS AND PLUGS TO PROVIDE FOR FUTURE REMOVAL.
4. WRAP ALL FITTINGS W/6 MIL POLY PRIOR TO PLACEMENT OF CONCRETE THRUST BLOCKING.

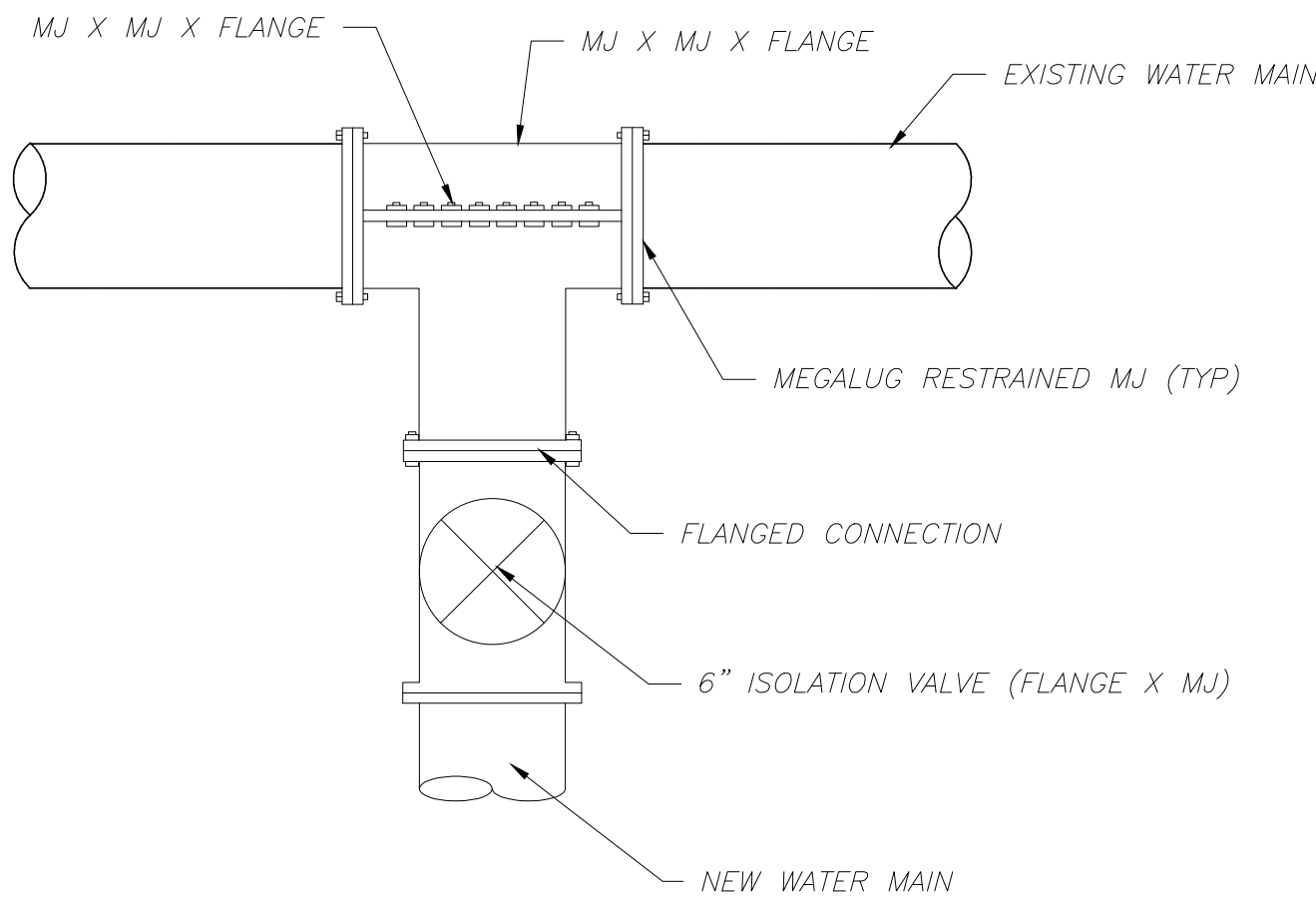
THRUST BLOCKING DETAIL

NOT TO SCALE

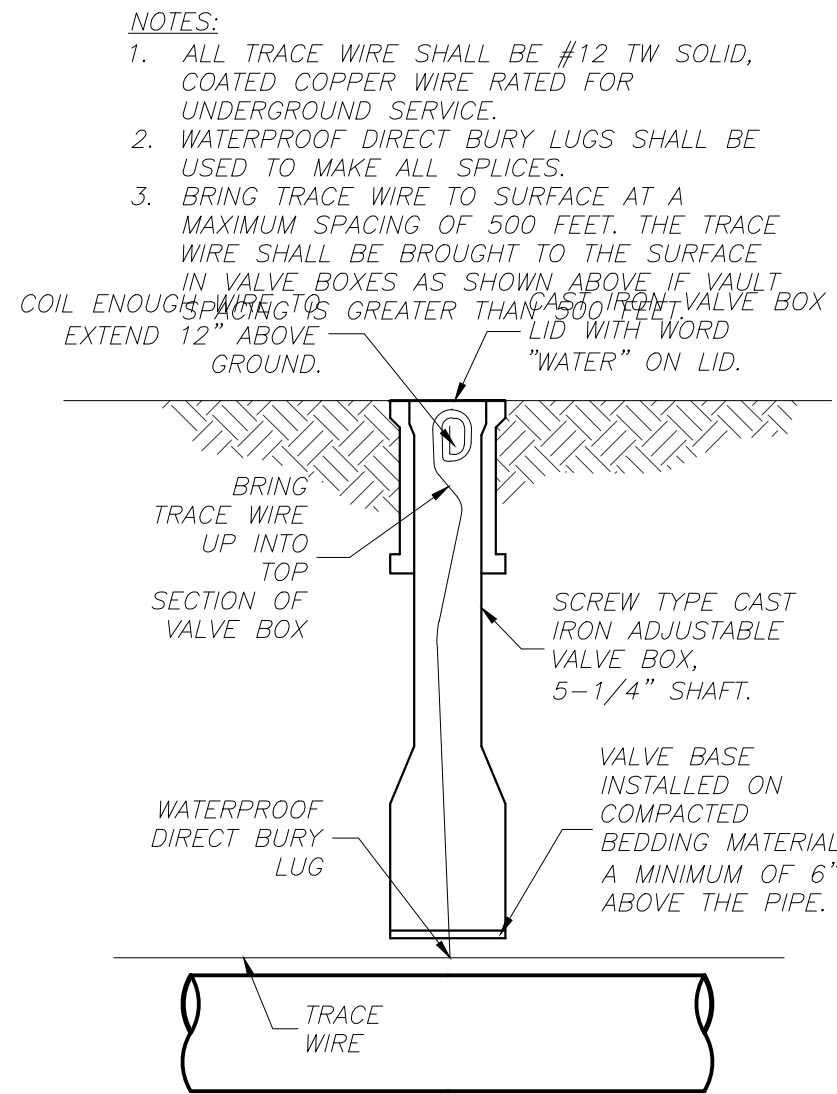




PROFILE
CASKING PIPE AND END SEAL DETAIL
NOT TO SCALE

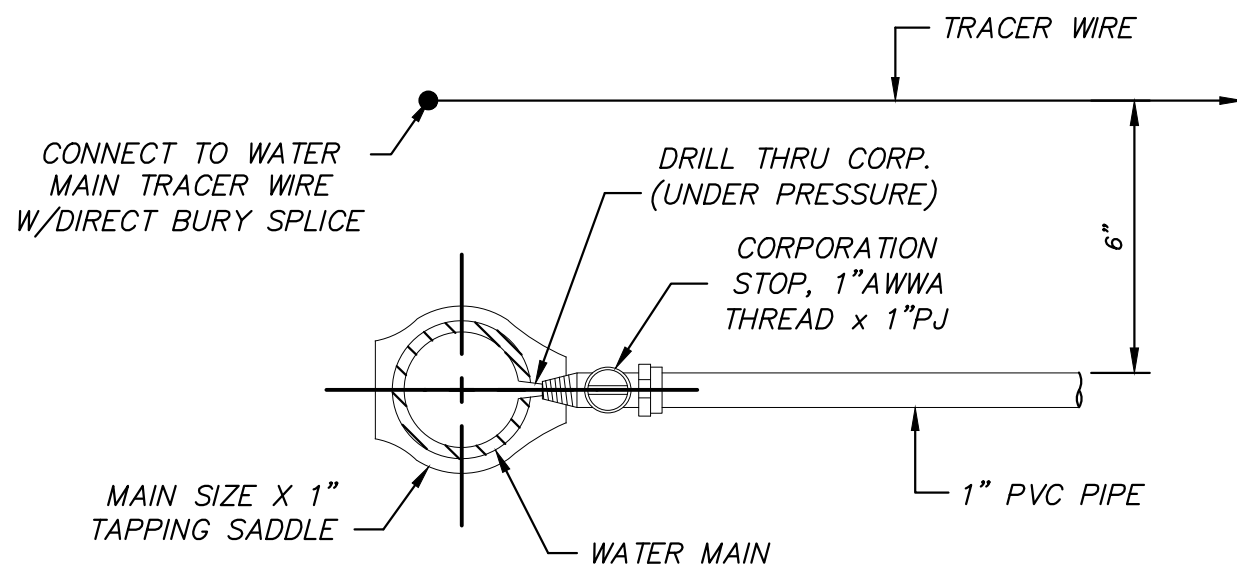


TYPICAL "WET" TAP DETAIL
NOT TO SCALE

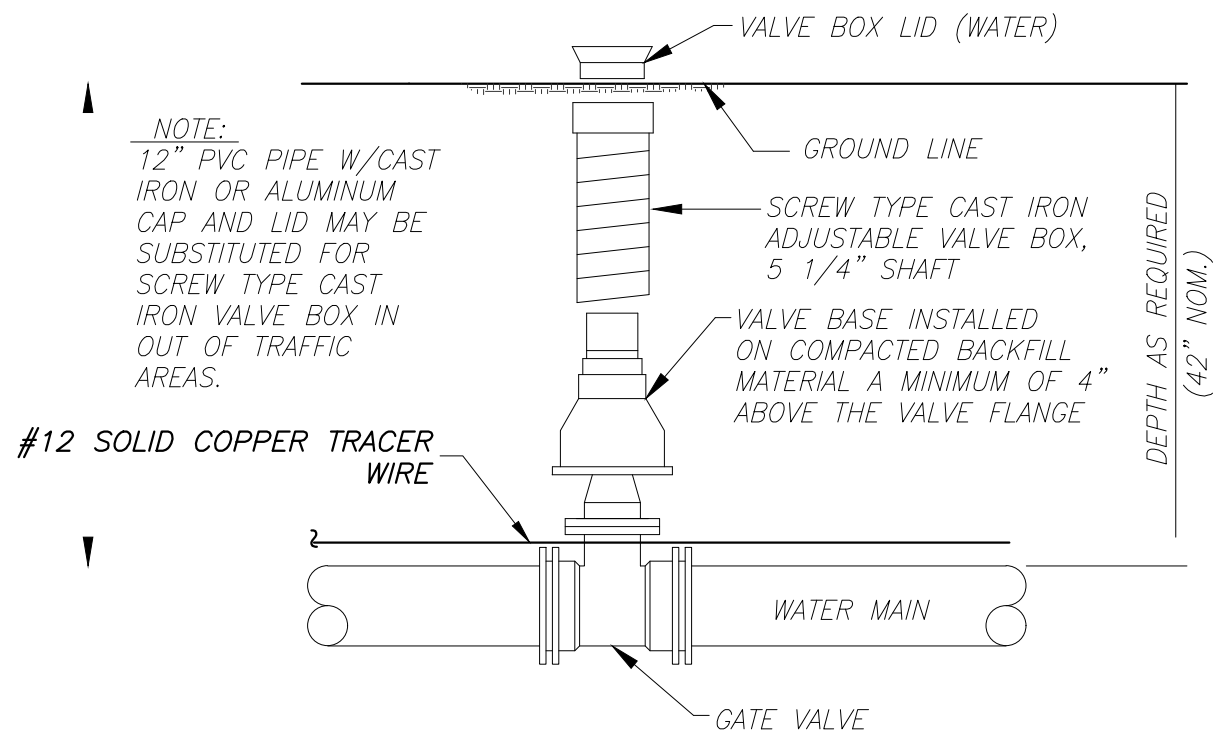


TRACE WIRE IN VALVE BOX

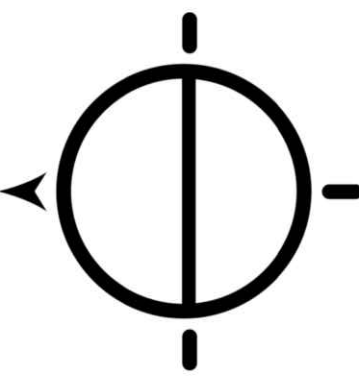
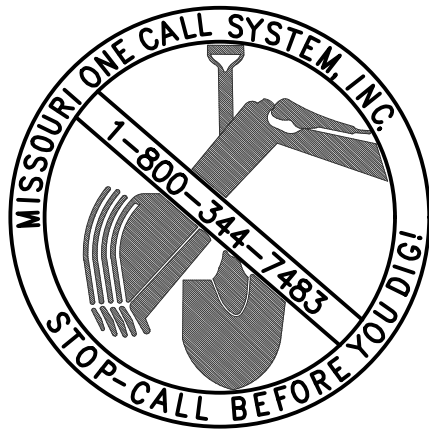
TRACE WIRE INSTALLATION
NOT TO SCALE



TYPICAL 1" PVC WATER SERVICE
CONNECTION ON WATER MAIN
NOT TO SCALE



TYPICAL GATE VALVE INSTALLATION
NOT TO SCALE



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 03018

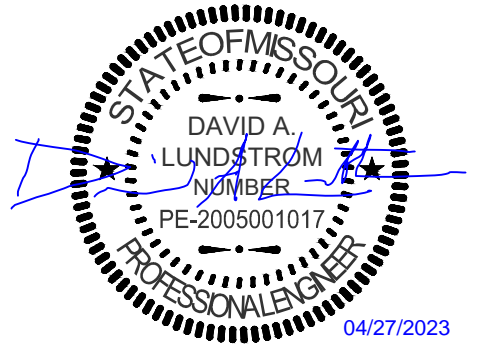
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 01/17/2023

CAD DWG FILE: X2215-01_C-003
DRAWN BY: WSH
CHECKED BY: CMW
DESIGNED BY: WSH

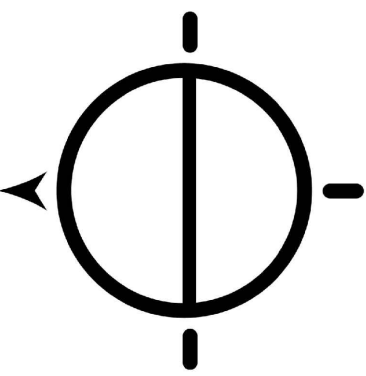
SHEET TITLE:
WATER DETAILS

SHEET NUMBER:

C-502



GRE
GREAT RIVER
ENGINEERING



Missouri State Certificate of Authority Numbers:
Engineering: 2000158885, Land Surveying: 2001011476,
Landscape Architecture: 2007013673

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 03018

REVISION: REV. 2 - ADDENDUM 2
DATE: 04/27/2023
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 01/17/2023

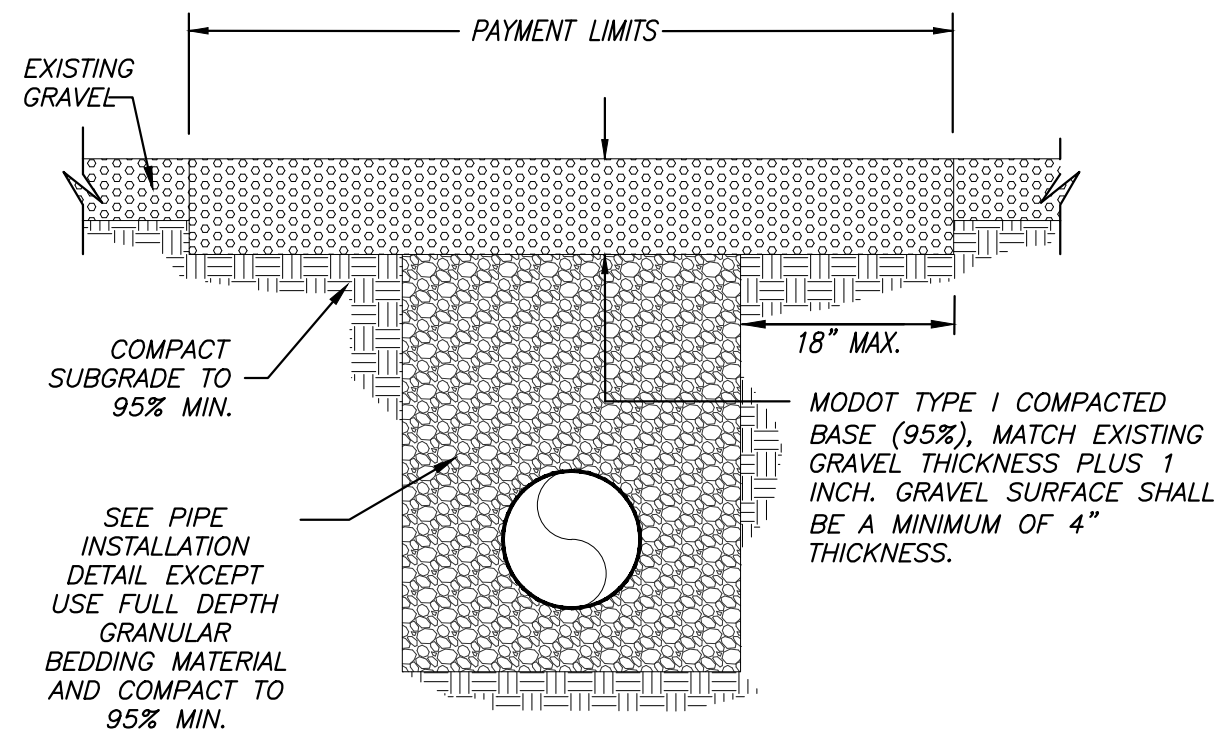
CAD DWG FILE: X2215-01_C-004
DRAWN BY: WSH
CHECKED BY: CMW
DESIGNED BY: WSH

SHEET TITLE:
SEWER DETAILS

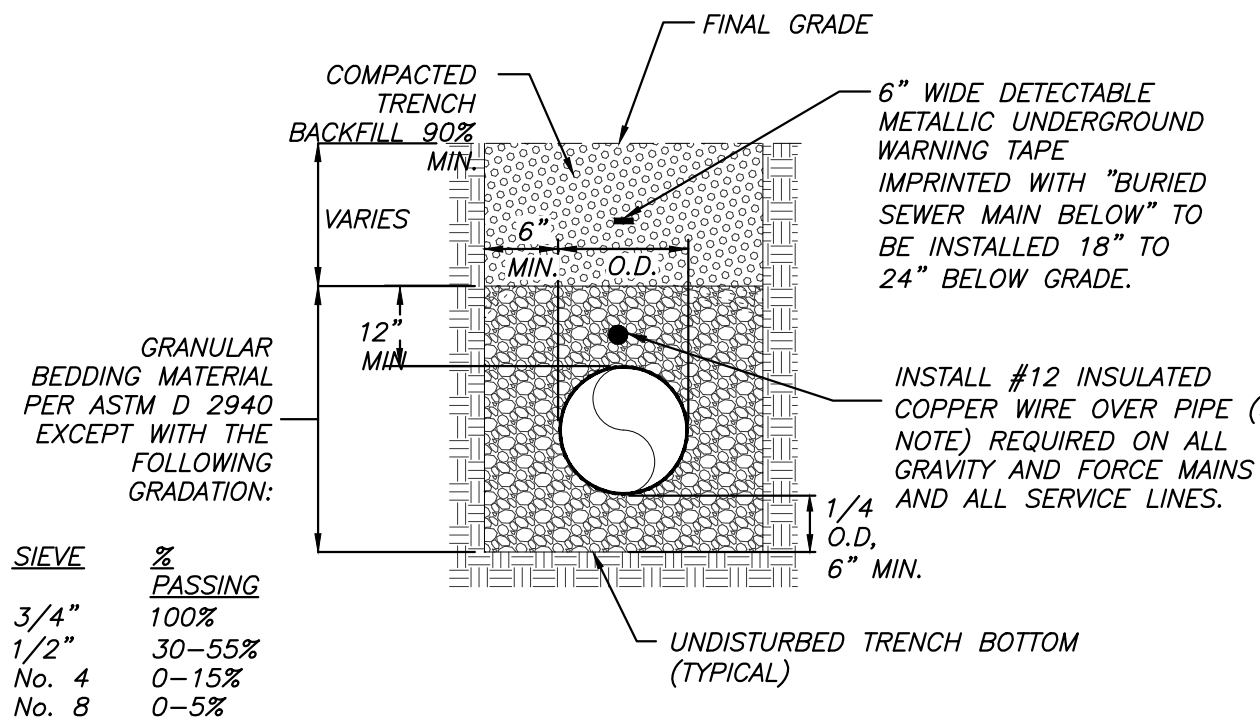
SHEET NUMBER:

C-503

13 OF 32 SHEETS
JANUARY 17, 2023



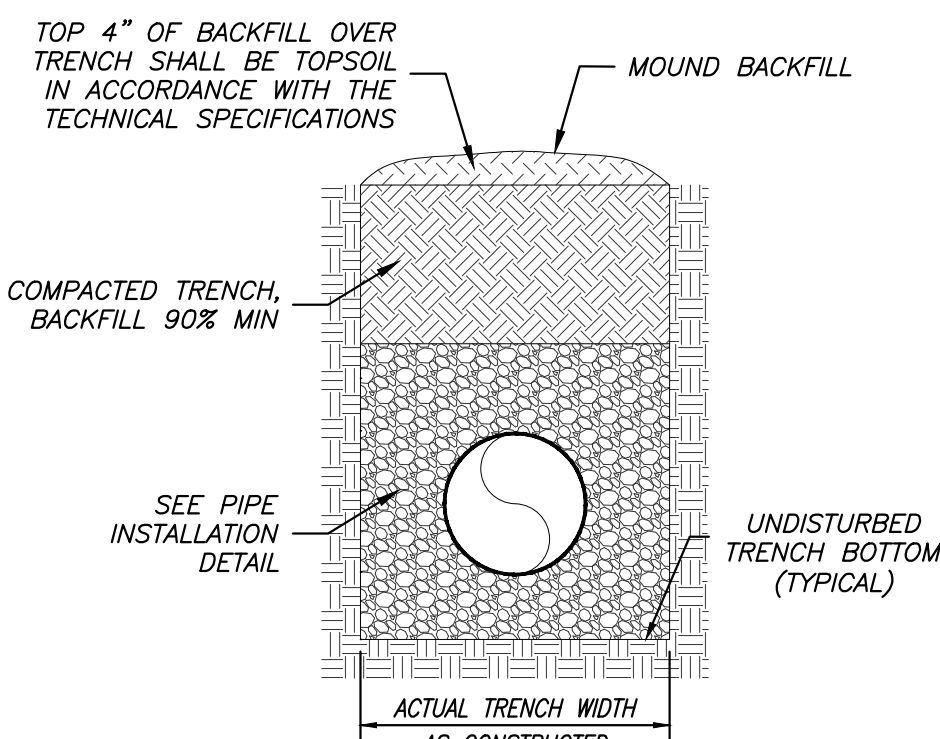
GRAVEL SURFACE AREA CROSSING



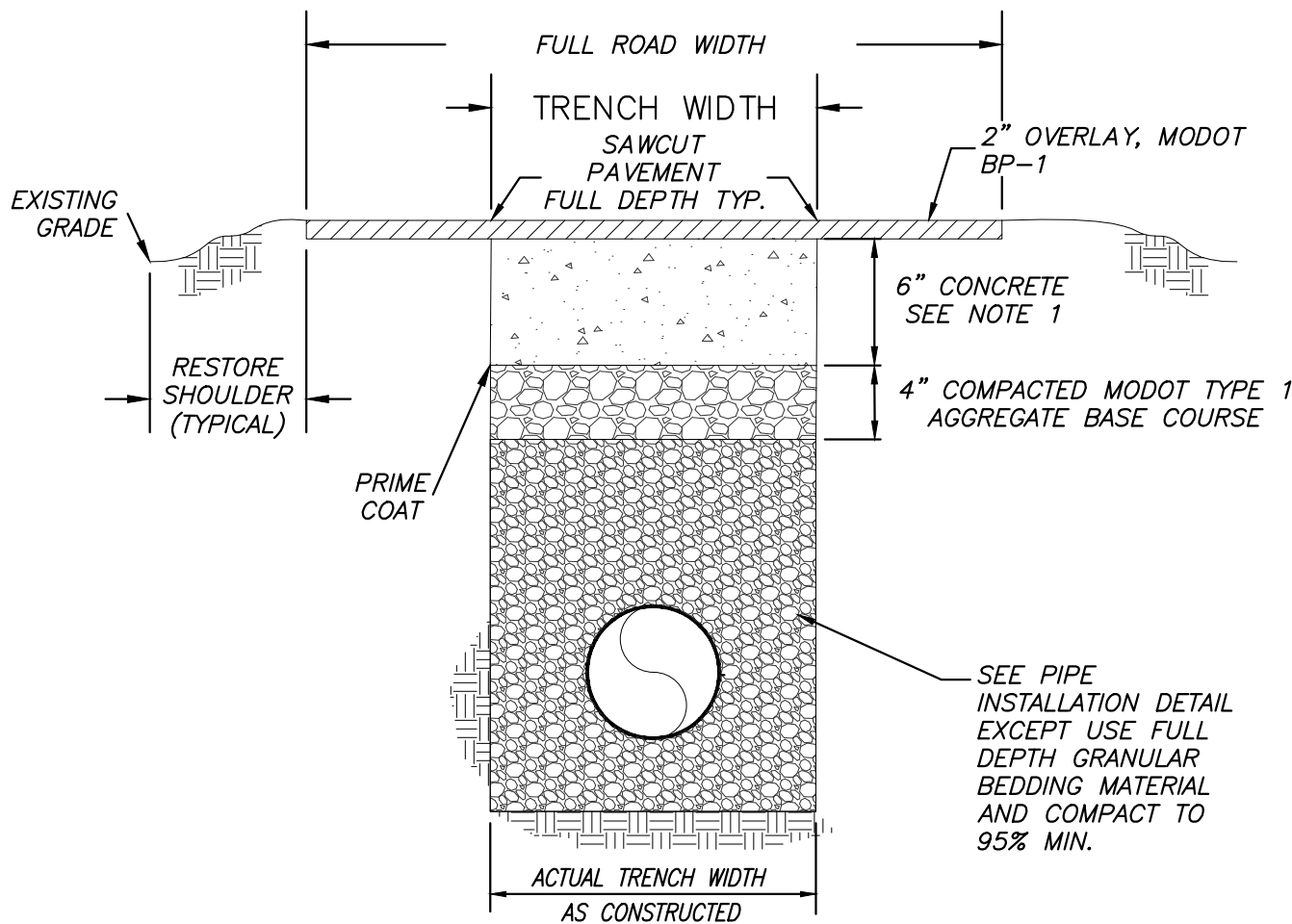
SINGLE PIPE IN TRENCH

PIPE INSTALLATION DETAIL
NOT TO SCALE

NOTE:
ENDS OF LOCATOR WIRE SHALL BE PLACED IN A 6" DIP RISER PIPE WITH CAST IRON LIDS AT 500' MIN. SPACING AND SHALL BE GROUNDED TO A 4"x1/2" DIA. COPPER ROD AT RISERS. ALL WIRE SPLICES SHALL USE BRASS/COPPER SPLIT-BOLT CONNECTORS. RISERS AND GROUNDING RODS FOR LOCATION WIRE ON SERVICE LATERALS SHALL BE PLACED, AT A MINIMUM, AT ROW AND FINAL CLEANOUT LOCATION ON THE PROPERTY.



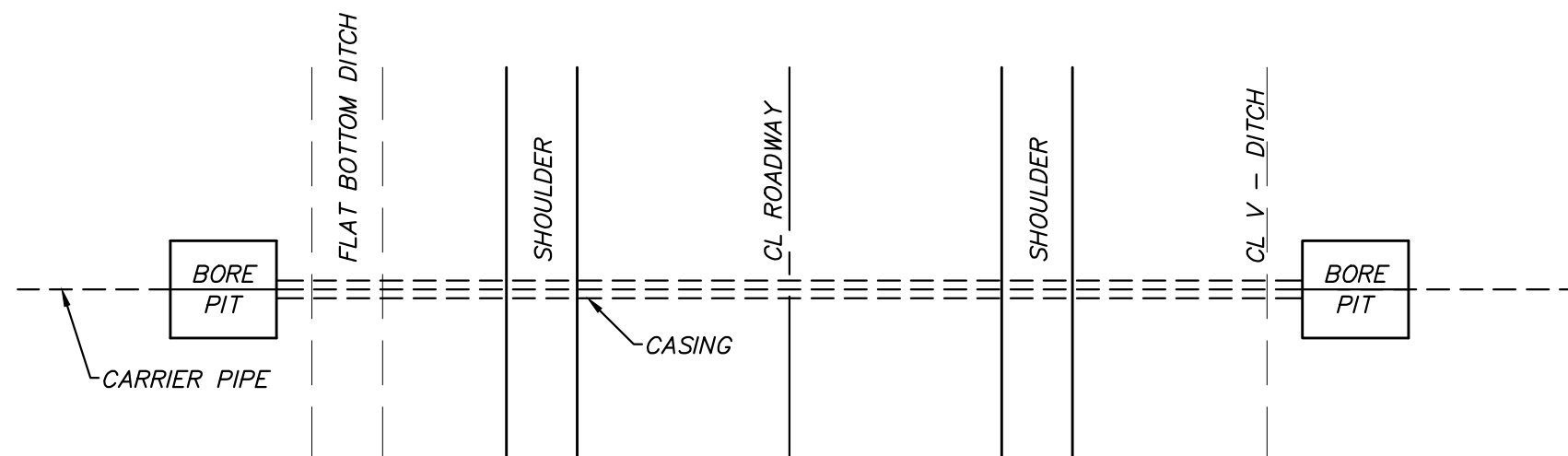
SEEDED AREA



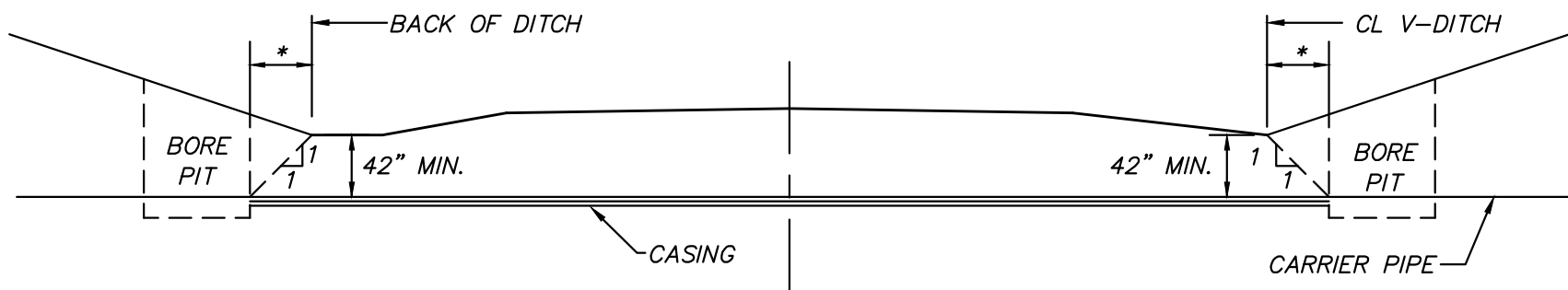
UTILITY TRENCH WITH OVERLAY DETAIL

- NOTES:
- CONTRACTOR TO MATCH EXISTING BITUMINOUS PAVEMENT LEVEL, AFTER 2" ASPHALT MILL, WITH 6" CONCRETE. ROADWAY PROJECT AREA SHALL HAVE 2" ASPHALT OVERLAY AT THE COMPLETION OF PROJECT.
 - CONTRACTOR TO RESHOULDER ROAD WITH TOPSOIL, SEED, AND MULCH OR BASE AS REQUIRED TO MATCH EXISTING SHOULDER.
 - CONTRACTOR TO INSTALL FULL WIDTH BITUMINOUS SURFACE OVERLAY IN ALL AREAS REQUIRING FULL WIDTH ROAD REPLACEMENT.

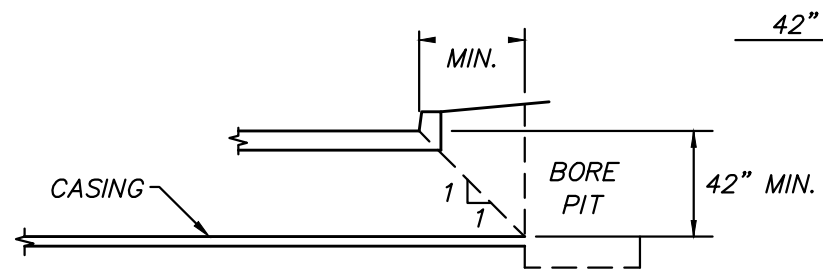
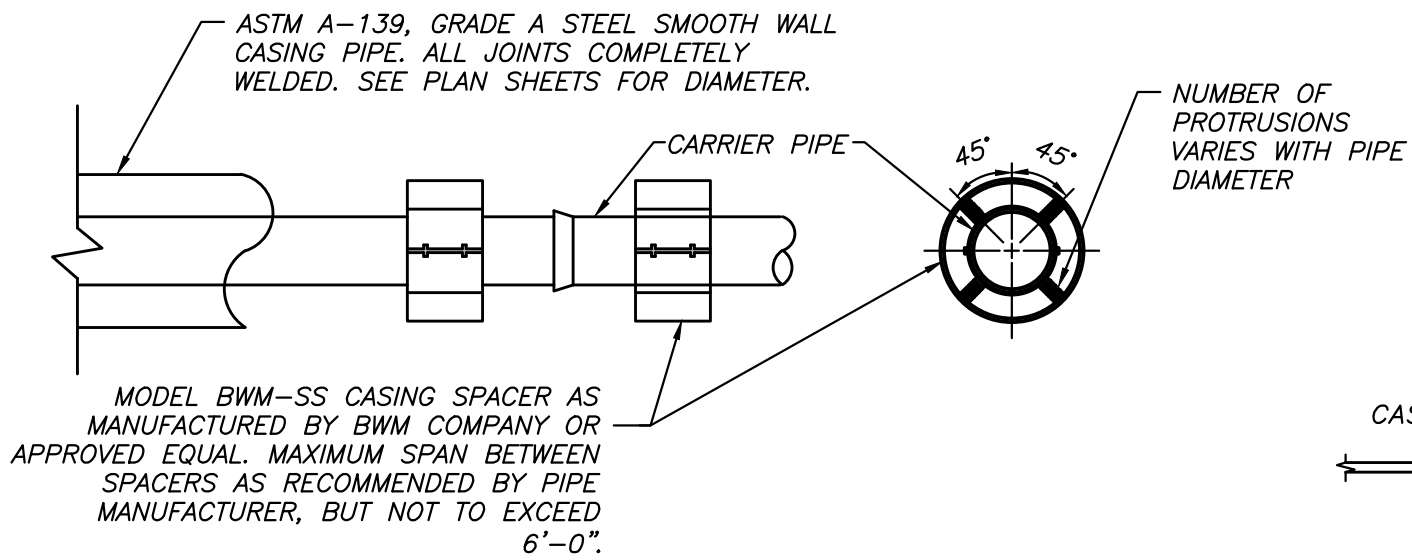
CARRIER PIPE DIA. (PVC)	CASING PIPE DIA. (STEEL)	MIN. WALL THICKNESS (IN.)
1 1/2"	4"	0.188
1 1/2"	4"	0.188
2"	4"	0.188
2 1/2"	4"	0.188
3"	6"	0.188
4"	10"	0.188
6"	12"	0.188
8"	14"	0.219
10"	16"	0.250
12"	20"	0.281
14"	24"	0.344
16"	24"	0.344
18"	30"	0.406
20"	30"	0.406
24"	36"	0.469



PLAN VIEW



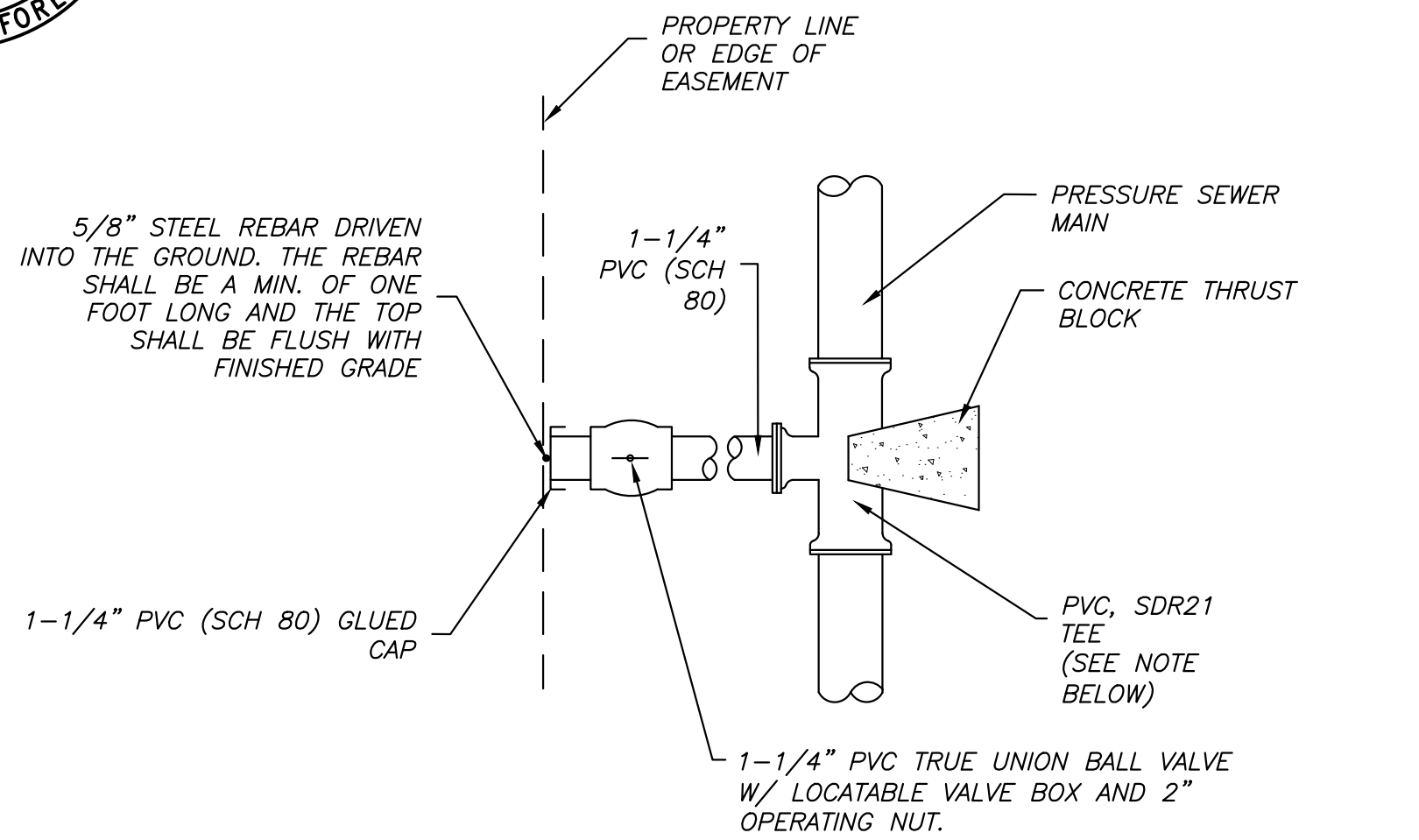
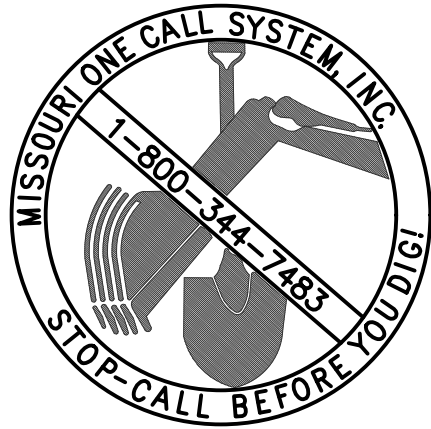
CROSS SECTION



CURBED SECTION

TYPICAL ROAD BORING DETAIL
NOT TO SCALE

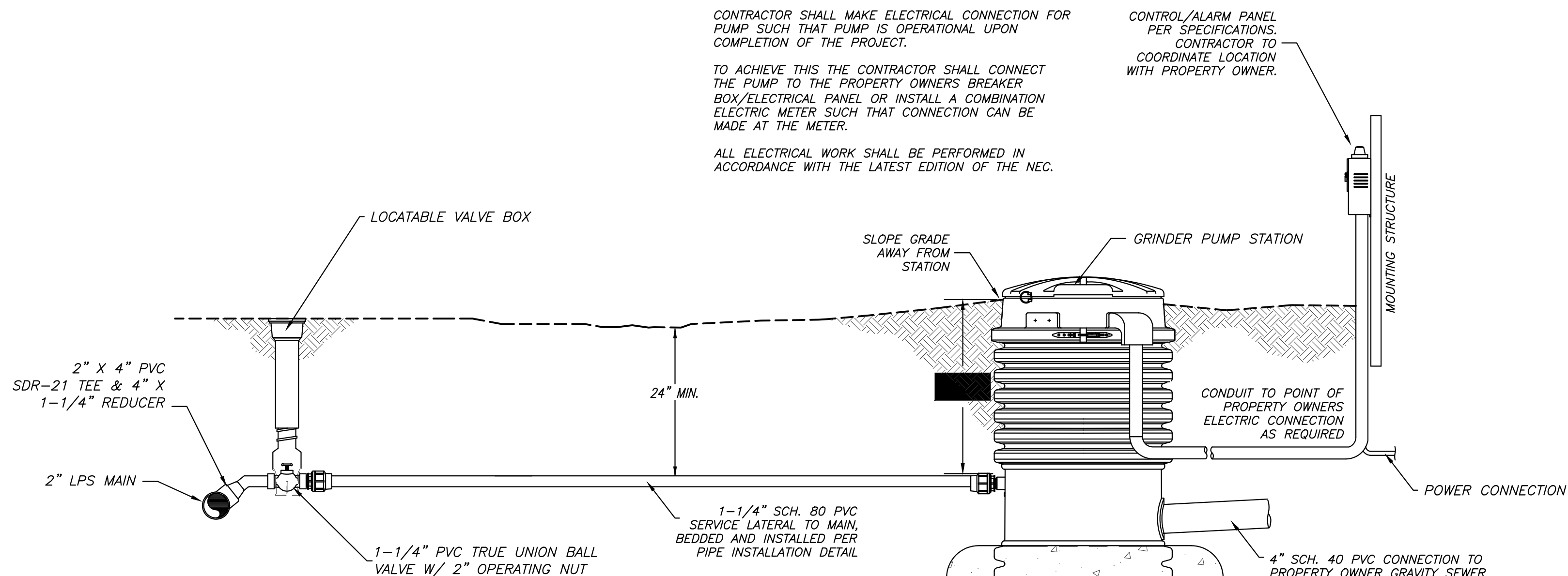
- NOTES:
- STEEL CASING REQUIRED.
 - EACH END OF CASING TO BE SEALED WITH END SEALS PROVIDED BY THE MANUFACTURER OF CASING SPACERS.
 - CASING SHALL BE INSTALLED SIMULTANEOUSLY W/BORING OPERATION. ALL AREAS DISTURBED DURING CONSTRUCTION AND TRENCHES SHALL BE COMPACTED, AND VEGETATED PER SPECIFICATIONS.



- NOTES:
1. DISCHARGE PIPE SHALL BE SCHEDULE 80 PVC.
 2. TEE SHALL BE AS REQUIRED FOR 2", 2-1/2", 3", AND 4" MAIN LINES. FOR MAIN SIZES GREATER THAN 4", TAPPING SADDLES SHALL BE USED.
 3. CONTRACTOR SHALL COORDINATE LOCATION OF BALL VALVE WITH ENGINEER.
 4. CONTRACTOR SHALL PROVIDE "RECORD DRAWINGS SHOWING EXACT STATION OF LATERAL LOCATION OF AND BALL VALVE."
 5. DEPTH OF COVER FOR SERVICE LINES SHALL BE 24 INCHES MINIMUM, UNLESS OTHERWISE NOTED.
 6. BEDDING AS PER "PIPE INSTALLATION DETAIL."

TYPICAL LOW PRESSURE LATERAL INSTALLATION DETAIL

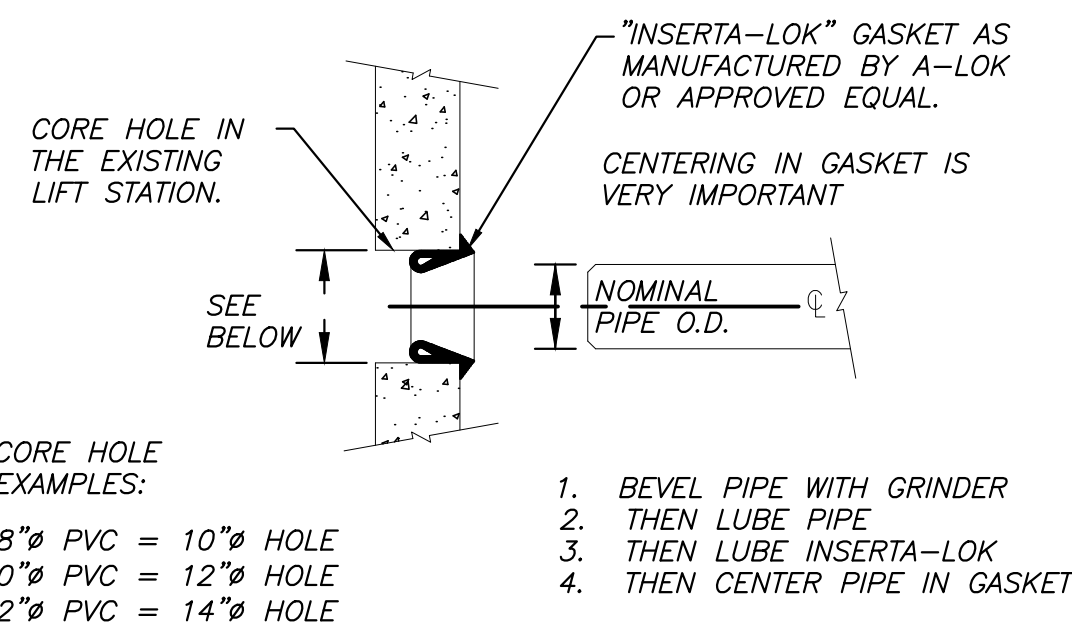
NOT TO SCALE



- NOTES:
1. DISCHARGE PIPE SHALL BE SCHEDULE 80 PVC.
 2. CONTRACTOR SHALL COORDINATE LOCATION OF BALL VALVE WITH ENGINEER.
 3. CONTRACTOR SHALL PROVIDE "RECORD DRAWINGS SHOWING EXACT STATION OF LATERAL LOCATION AND BALL VALVE."
 4. DEPTH OF COVER FOR SERVICE LINES SHALL BE 24 INCHES MINIMUM, UNLESS OTHERWISE NOTED.
 5. BEDDING AS PER "PIPE INSTALLATION DETAIL."

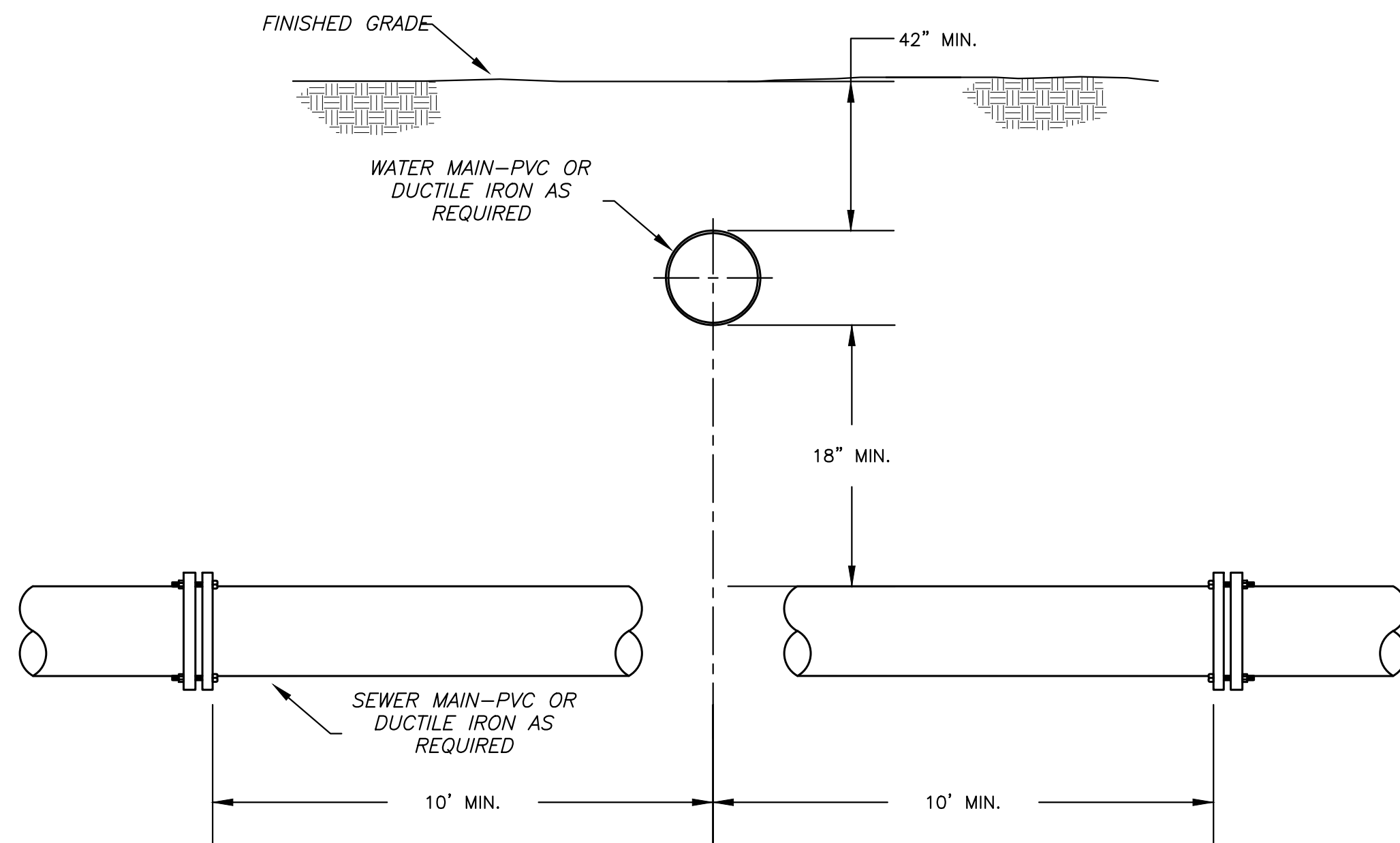
TYPICAL LOW PRESSURE LATERAL & GRINDER PUMP INSTALLATION DETAIL

NOT TO SCALE



CONNECTION TO EXISTING MANHOLE

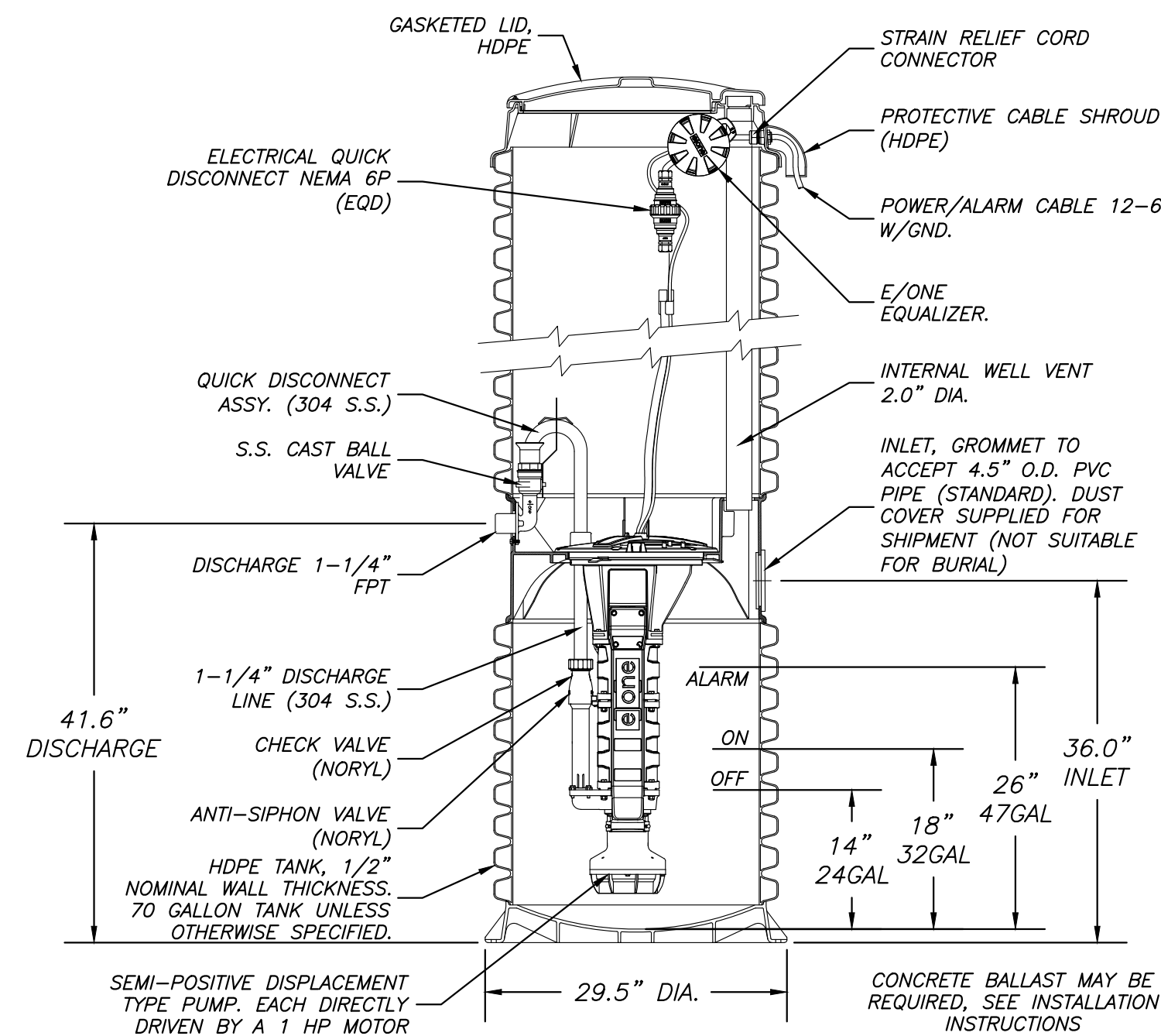
NOT TO SCALE



- NOTES:
1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
 2. IN AREAS WHERE THE RECOMMENDED SEPARATIONS CANNOT BE OBTAINED, EITHER THE WATER LINE OR THE SEWER LINE SHALL BE CONSTRUCTED OF MECHANICAL JOINT PIPE OR CASED IN A CONTINUOUS CASING.

WATER CROSSING DETAIL WATER OVER SEWER

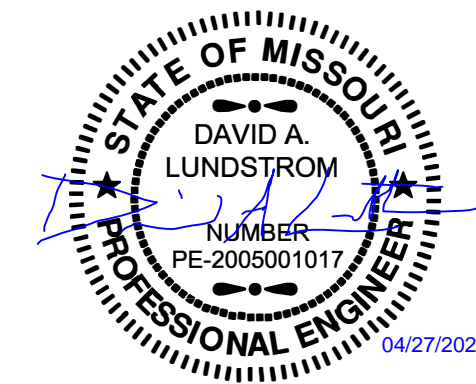
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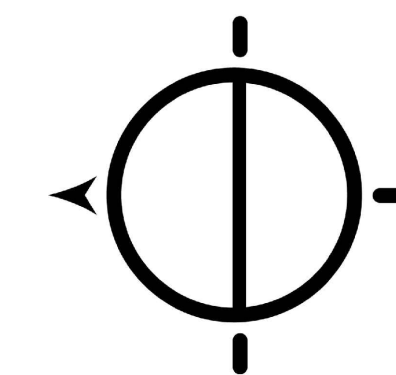
TYPICAL SIMPLEX GRINDER PUMP STATION

NOT TO SCALE

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



GRE
GREAT RIVER
ENGINEERING



Missouri State Certificate of Authority Numbers:
Engineering: 2000156885, Land Surveying: 2001011476,
Landscape Architecture: 2007013673

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 03018

REVISION: REV. 1 - ADDENDUM 1
DATE: 04/20/2023
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 01/17/2023

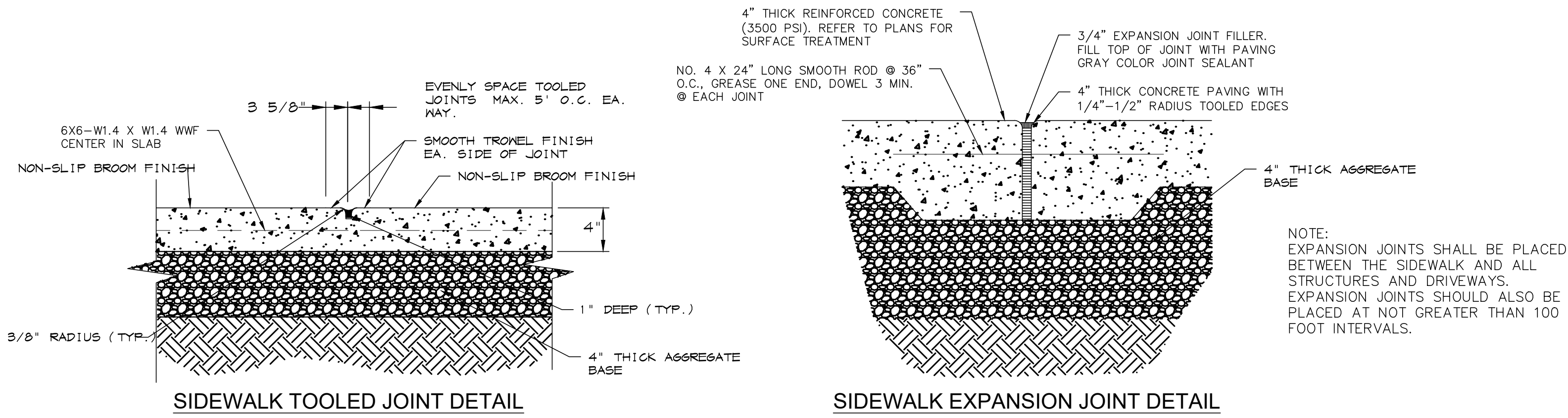
CAD DWG FILE: X2215-01_C-004
DRAWN BY: WSH
CHECKED BY: CMW
DESIGNED BY: WSH

SHEET TITLE:
SEWER DETAILS

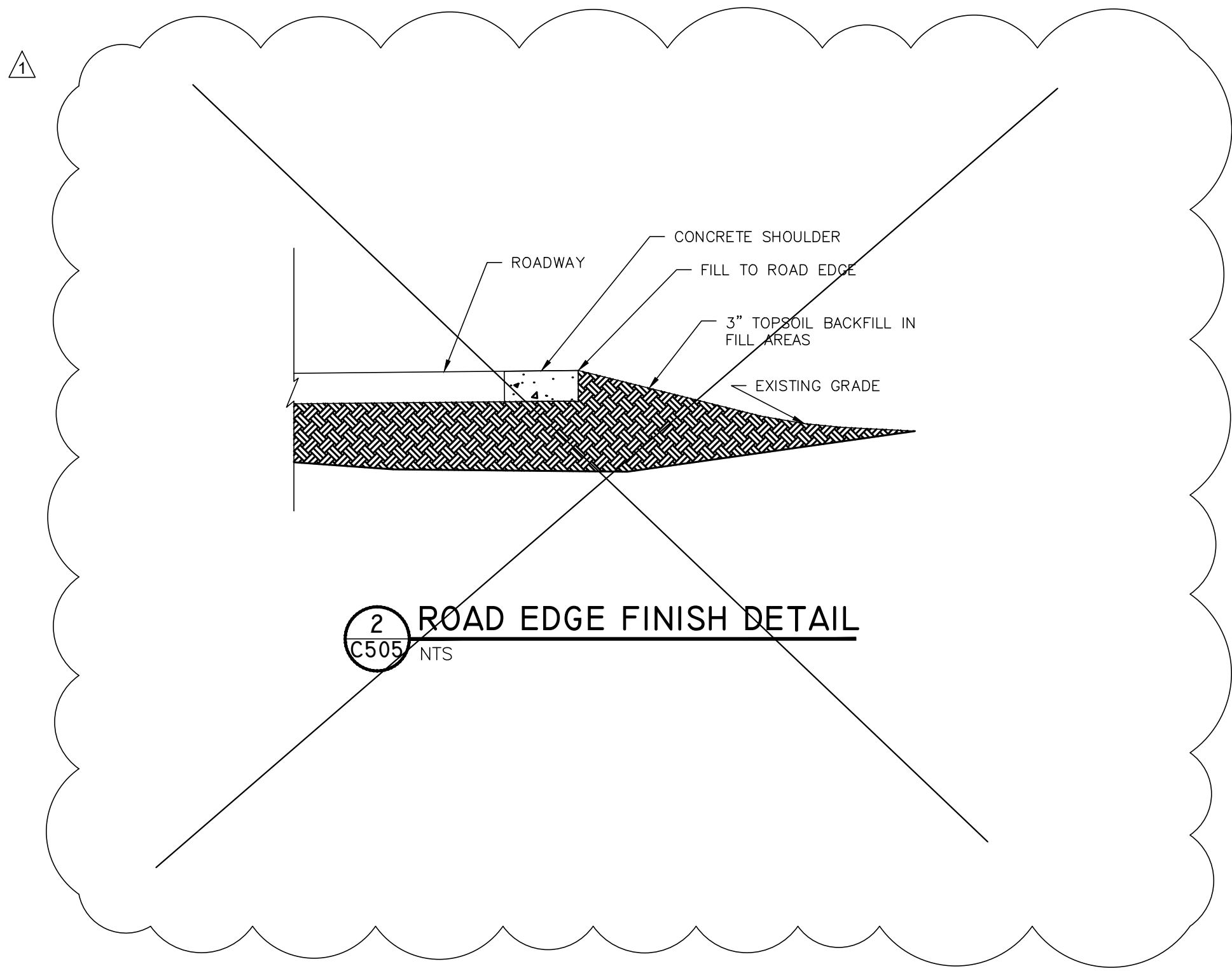
SHEET NUMBER:

C-504

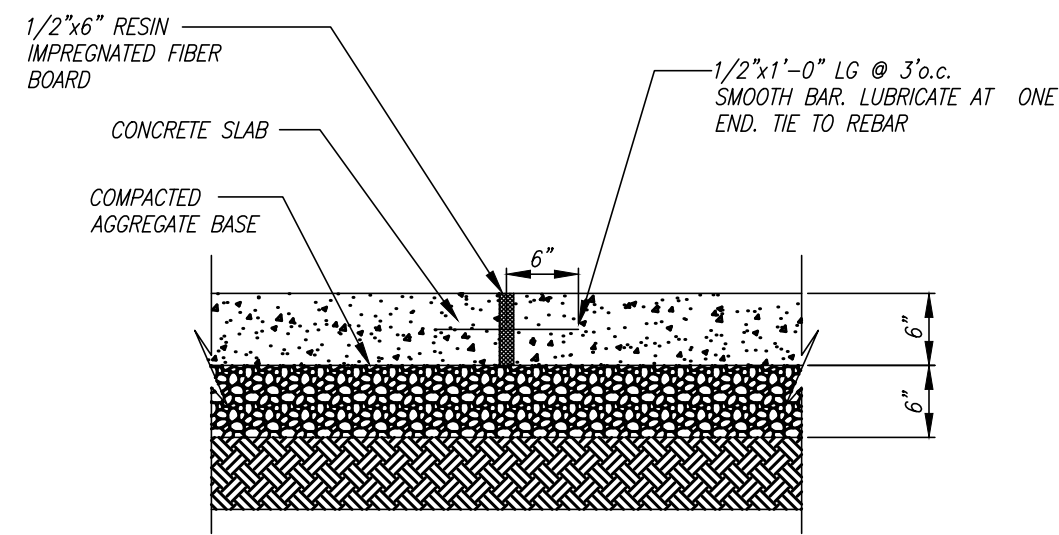
14 OF 32 SHEETS
JANUARY 17, 2023



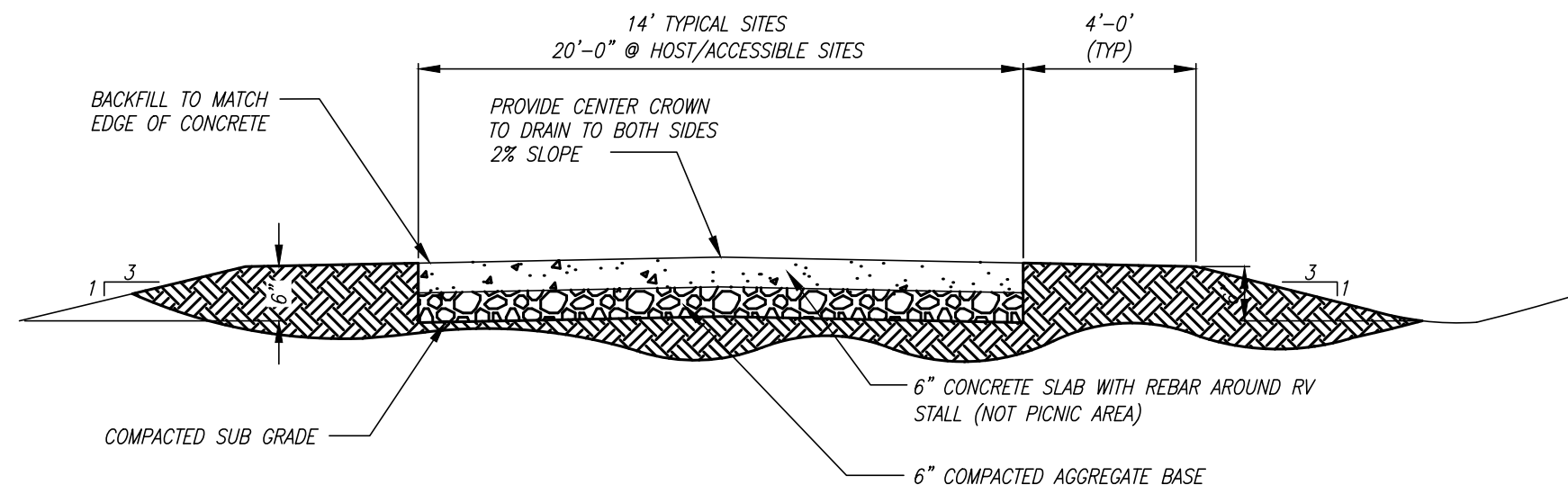
1 SIDEWALK DETAILS
C505 NTS



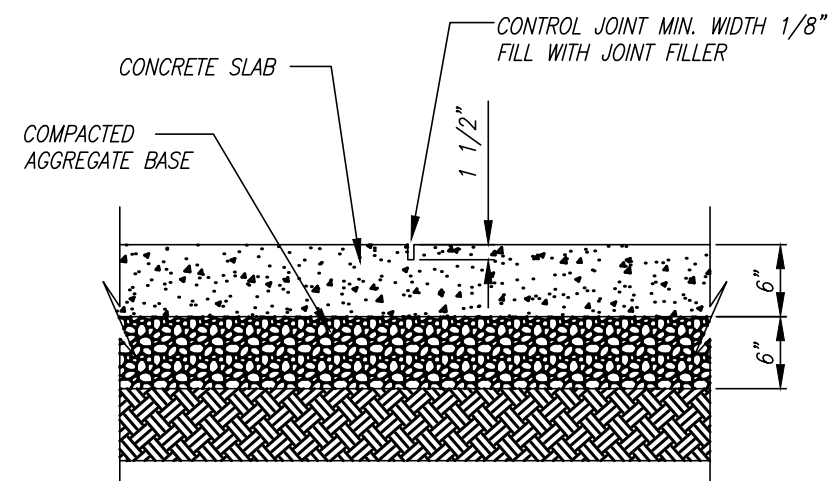
2 ROAD EDGE FINISH DETAIL
C505 NTS



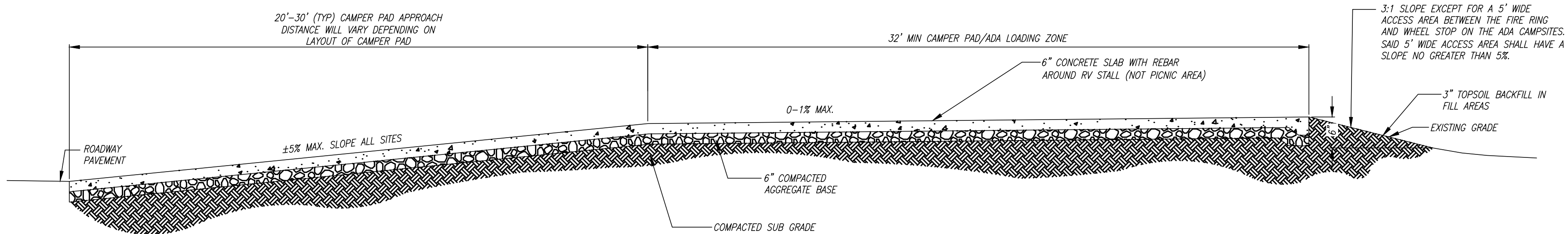
3 EXPANSION JOINT (EJ)
C505 NTS



4 CAMPSITE CROSS SECTION
C505 NTS

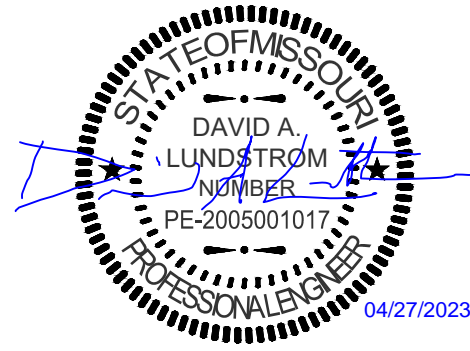


5 CONTROL JOINT (CJ)
C505 NTS

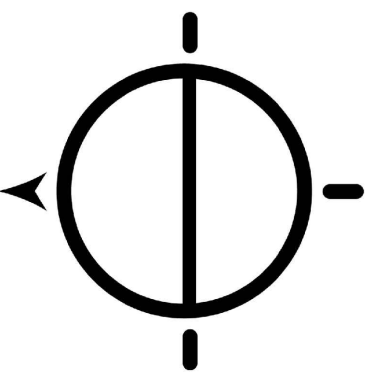


6 CAMPSITE LONGITUDINAL ELEVATION
C505 NTS

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



GRE
GREAT RIVER
ENGINEERING



Missouri State Certificate of Authority Numbers:
Engineering: 2000156885, Land Surveying: 2001011476,
Landscape Architecture: 2007013673

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 22 ELECTRIC SITES
WITH 22 PREMIUM SITES

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2223-01
SITE # 5603
ASSET # 7815603018

REVISION: REV. 1 - ADDENDUM 1
DATE: 04/20/2023
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 01/17/2023

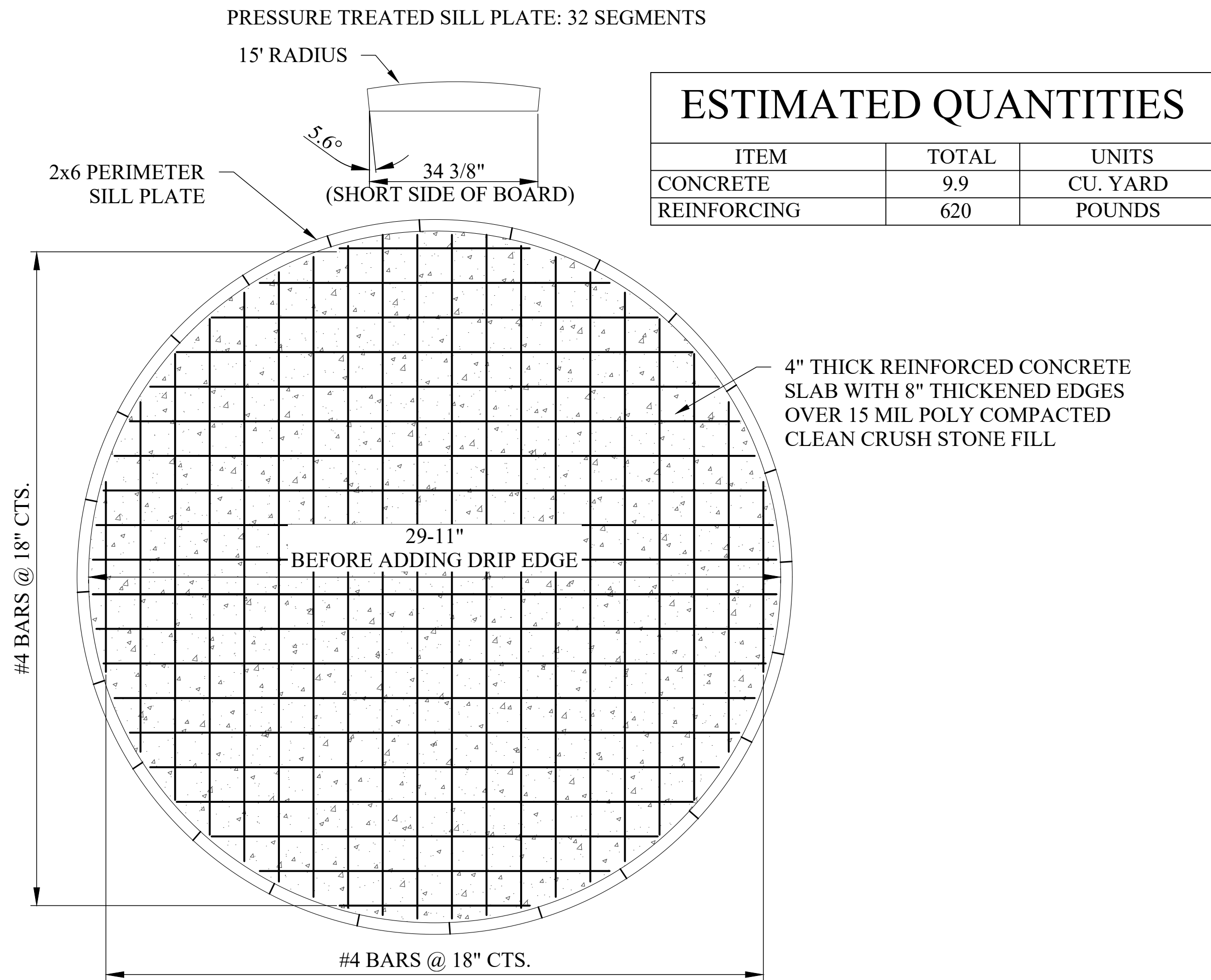
CAD DWG FILE: 4638 water-waste
DRAWN BY: EB
CHECKED BY: CMW
DESIGNED BY: CMW

SHEET TITLE:
SITE DETAILS

SHEET NUMBER:

C-505

15 OF 32 SHEETS
JANUARY 17, 2023



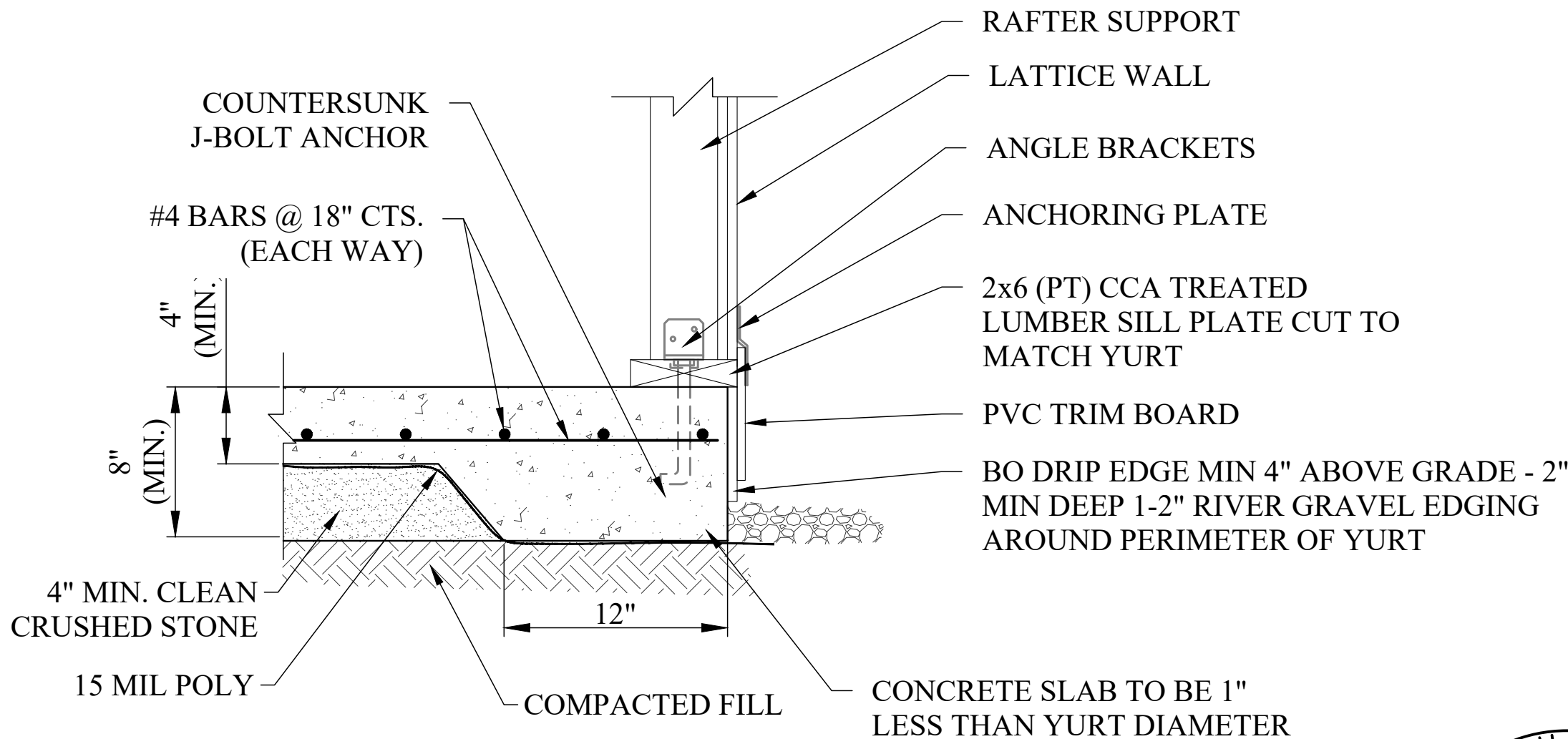
CIRCULAR SLAB WITH 2x6 SILL PLATE

NOTES:

CONCRETE DIAMETER = 29'-11" ANCHOR RING THICKNESS = 1/2"

DRIP EDGE THICKNESS = 1/2" MINIMUM HEIGHT ABOVE GRADE = 6"

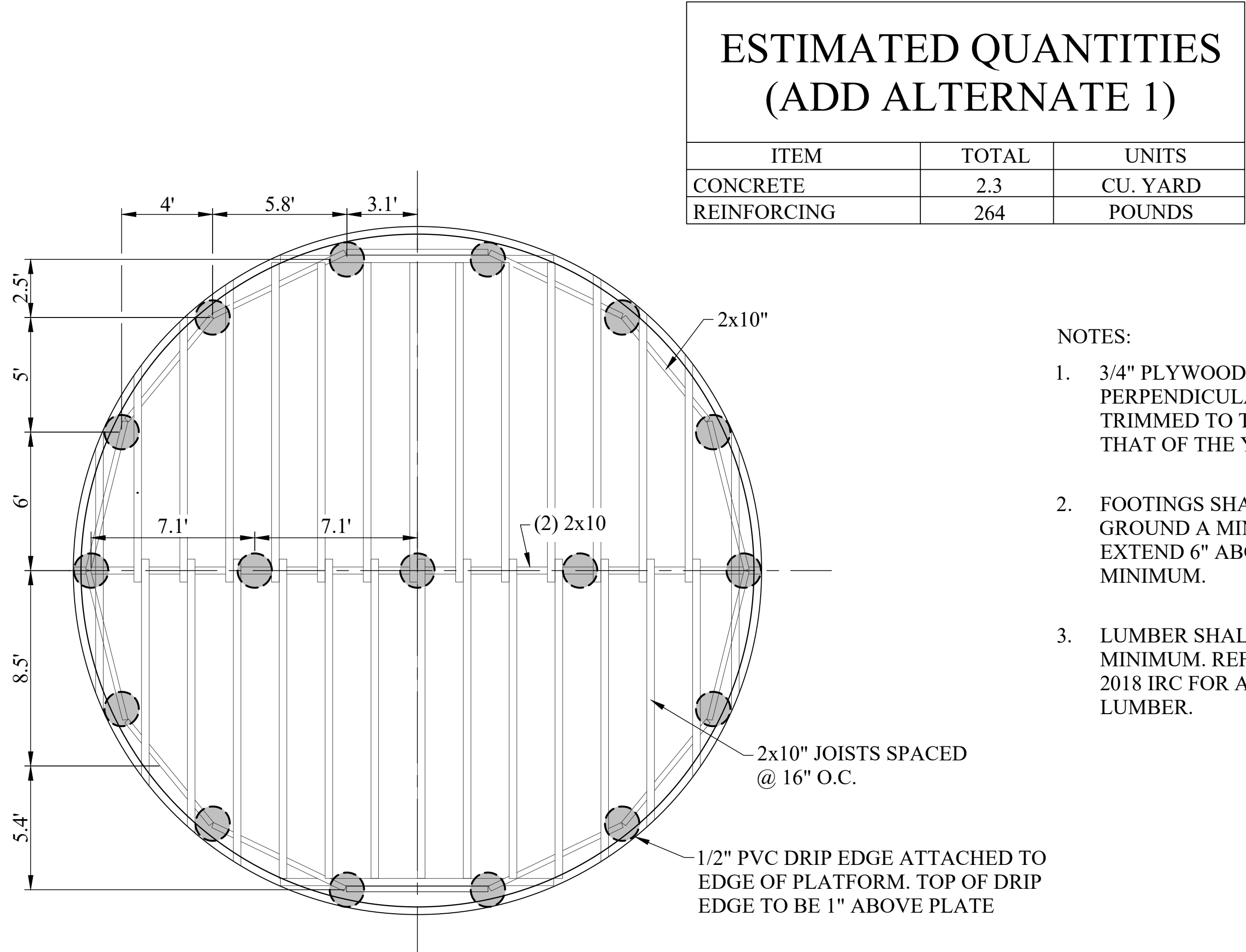
- CONCRETE SHALL BE 3,000 psi @ 28 DAYS.
- CONTRACTOR SHALL PROVIDE CONTROL JOINTS THAT ARE 1/4 OF SLAB THICKNESS AT A MAXIMUM SPACING OF 10' x 10'.
- CONTRACTOR SHALL COMPACT SOIL BENEATH FOUNDATION CONCRETE PRIOR TO PLACEMENT OF CONCRETE.



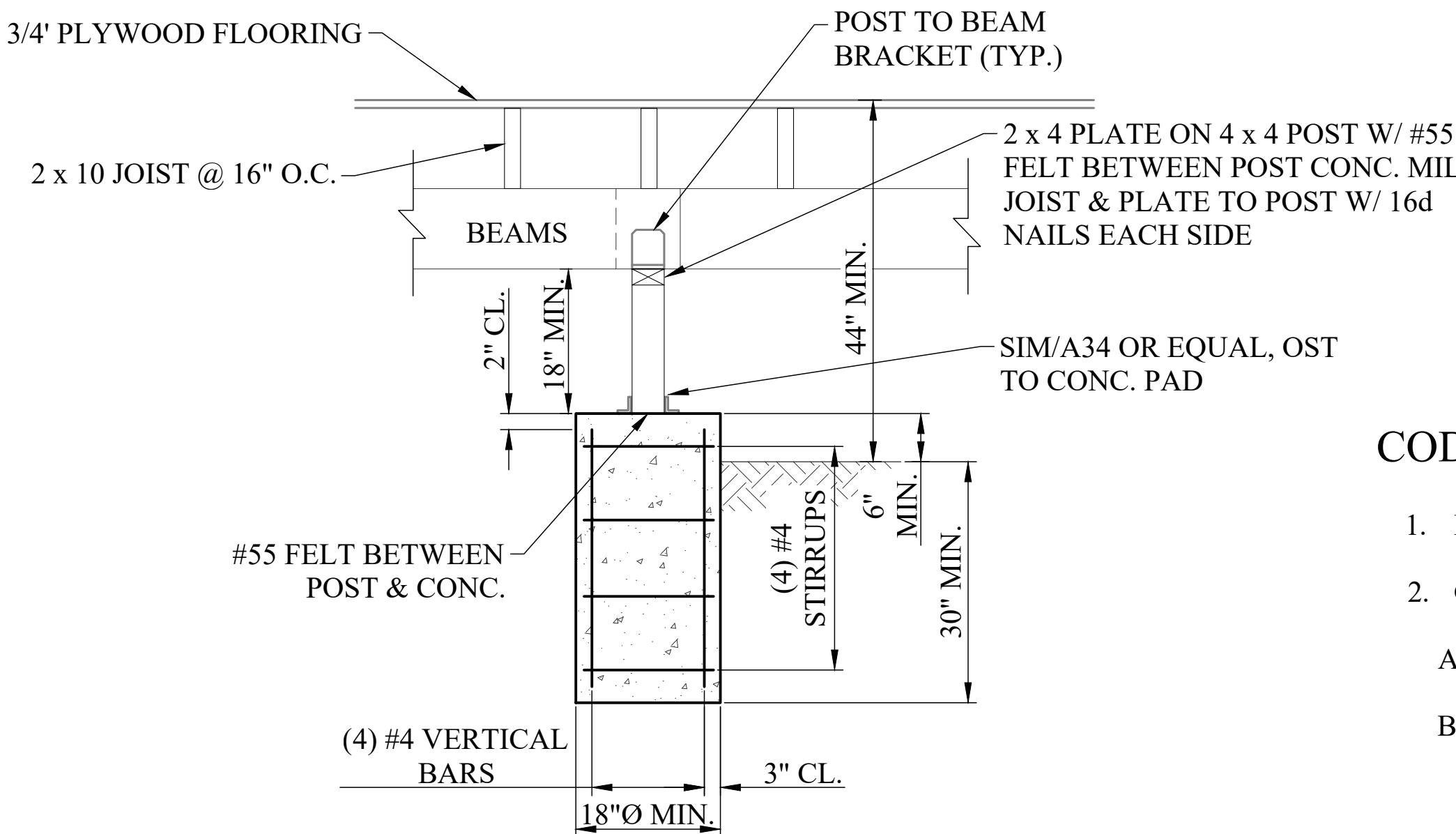
YURT CONNECTION TO SLAB DETAIL

- NOTE:
- PROVIDE 1/2" DIA. x 6" MIN. EMBEDDED ANCHOR BOLT WITH MIN. 2" WASHER @ 6'-0" O.C. MAX. AND (2) ANCHOR BOLTS MIN. PER SILL PLATE RUN.

CONCRETE SLAB DETAILS FOR 30' DIAMETER YURT



- NOTES:
- 3/4" PLYWOOD FLOORING TO BE LAID PERPENDICULAR TO JOISTS AND TRIMMED TO THE SAME DIAMETER AS THAT OF THE YURT.
 - FOOTINGS SHALL BE EMBEDDED IN THE GROUND A MIN. 30" AND SHOULD EXTEND 6" ABOVE GROUND SURFACE MINIMUM.
 - LUMBER SHALL BE NO. 3 SOUTHERN PINE MINIMUM. REFER TO CHAPTER 5.6 OF 2018 IRC FOR ALTERNATE STRUCTURAL LUMBER.



TYPICAL FOOTING

NOTES:

CONCRETE DIAMETER = 29'-11" ANCHOR RING THICKNESS = 1/2"

DRIP EDGE THICKNESS = 1/2" MINIMUM HEIGHT ABOVE GRADE = 6"

- CONCRETE SHALL BE 3,000 psi @ 28 DAYS.
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- CONTRACTOR SHALL COMPACT SOIL BENEATH FOUNDATION CONCRETE PRIOR TO PLACEMENT OF CONCRETE.

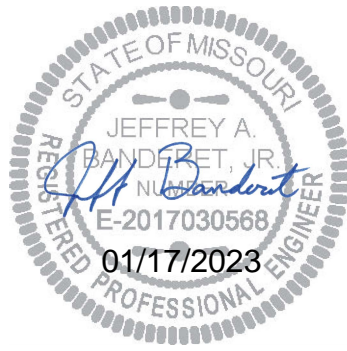
PIER DETAILS FOR 30' DIAMETER YURT

CODE STUDY

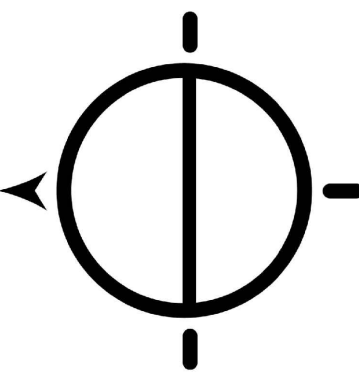
- DESIGN CODES IBC 2021
- GRAVITY LOADS
 - A. DEAD LOADS-SELF WEIGHT
 - B. LIVE LOADS
 - ROOF LIVE LOAD 5 PSF MIN OR SNOW 40 PSF
 - LIVE LOAD-FLOOR
 - C. SNOW LOAD
 - P_g GROUND SNOW LOAD 24 PSF
 - IMPORTANCE FACTOR (I) 1.0
 - SNOW EXPOSURE FACTOR (C_e) 1.0
 - THERMAL FACTOR 1.0
 - SNOW DRIFT PER CODE
- LATERAL LOADS

- WIND LOADS
 - WIND SPEED 107 MPH
 - IMPORTANCE FACTOR (I) 1.0
 - EXPOSURE CATEGORY C
 - DIRECTIONALITY FACTOR (K_d) 0.85
 - TOPOGRAPHIC FACTOR (K_{zt}) 0.85
 - INTERNAL PRESSURE (GC_{pi}) ±0.18
 - UPLIFT (PSF) 22 PSF

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



GRE
GREAT RIVER
ENGINEERING



Missouri State Certificate of Authority Numbers:
Engineering: 2000156885, Land Surveying: 2001011476,
Landscape Architecture: 2007013673

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 03018

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 01/17/2023

CAD DWG FILE: X2215-01_S-101
DRAWN BY: KAB
CHECKED BY: JAB
DESIGNED BY: JAB

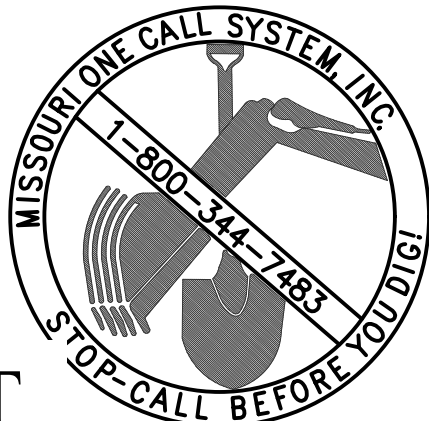
SHEET TITLE:

FOUNDATION
DETAILS FOR 30' DIA.
YURT - ADD ALT. 1

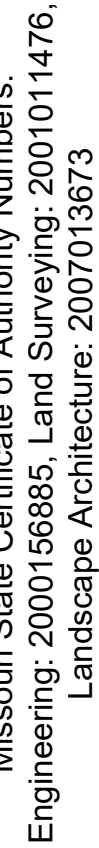
SHEET NUMBER:

S-101

16 OF 32 SHEETS
JANUARY 17, 2023



STATE OF MISSOURI
JEFFREY A. BANDERET, JR.
REGISTERED PROFESSIONAL ENGINEER
E-2017030568
01/17/2023



DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
CAMPGROUND #2
272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 03018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 01/17/2023

CAD DWG FILE: X2215-01_S-101
 DRAWN BY: KAB
 CHECKED BY: JAB
 DESIGNED BY: JAB

SHEET TITLE:
DECK DETAILS
FOR 30' DIA. YURT -
ADD ALT. 1

SHEET NUMBER:

S-102

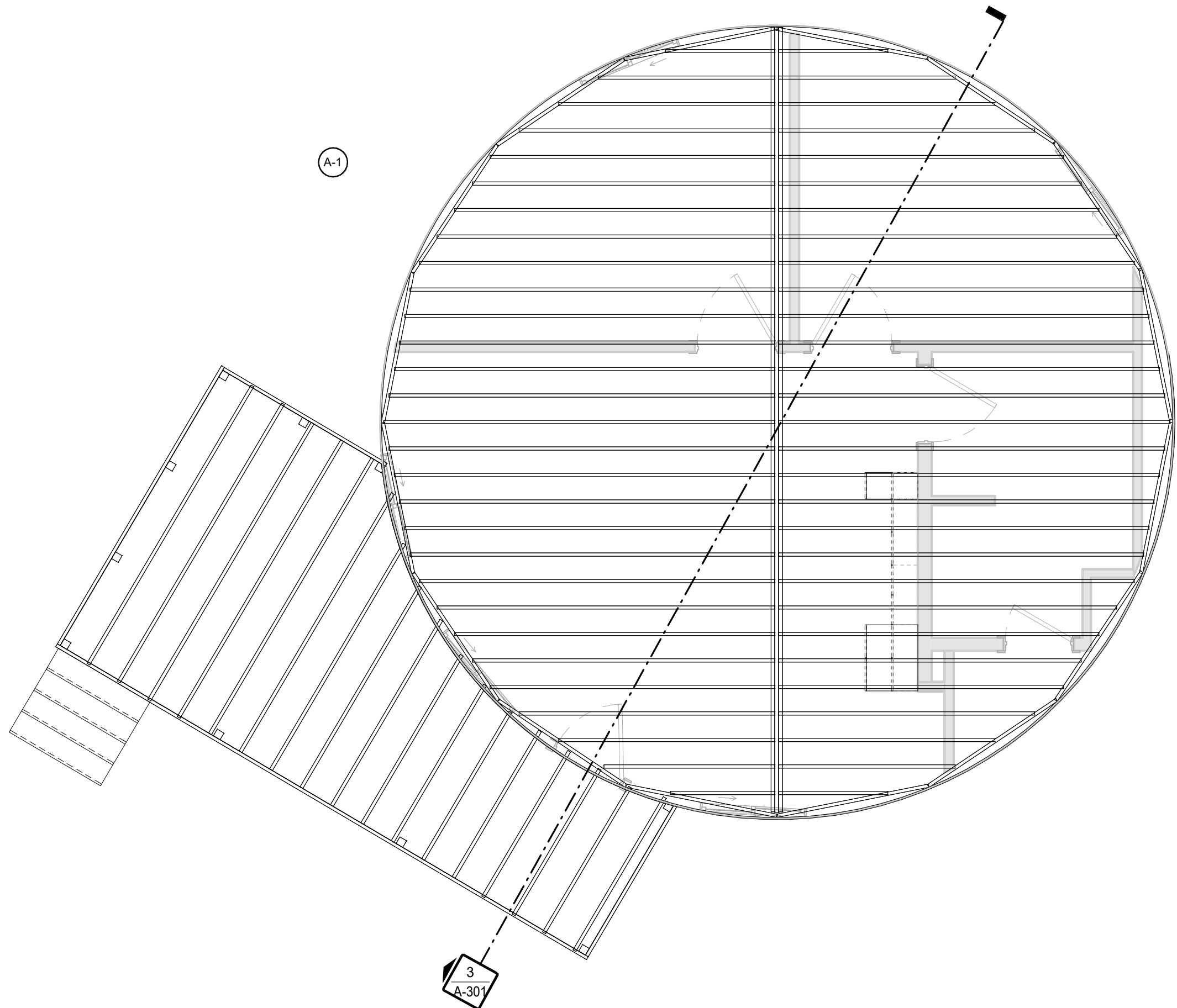
7 OF 32 SHEETS
JANUARY 17, 2023



ALTERNATE DECK FOR 30' DIAMETER YURT

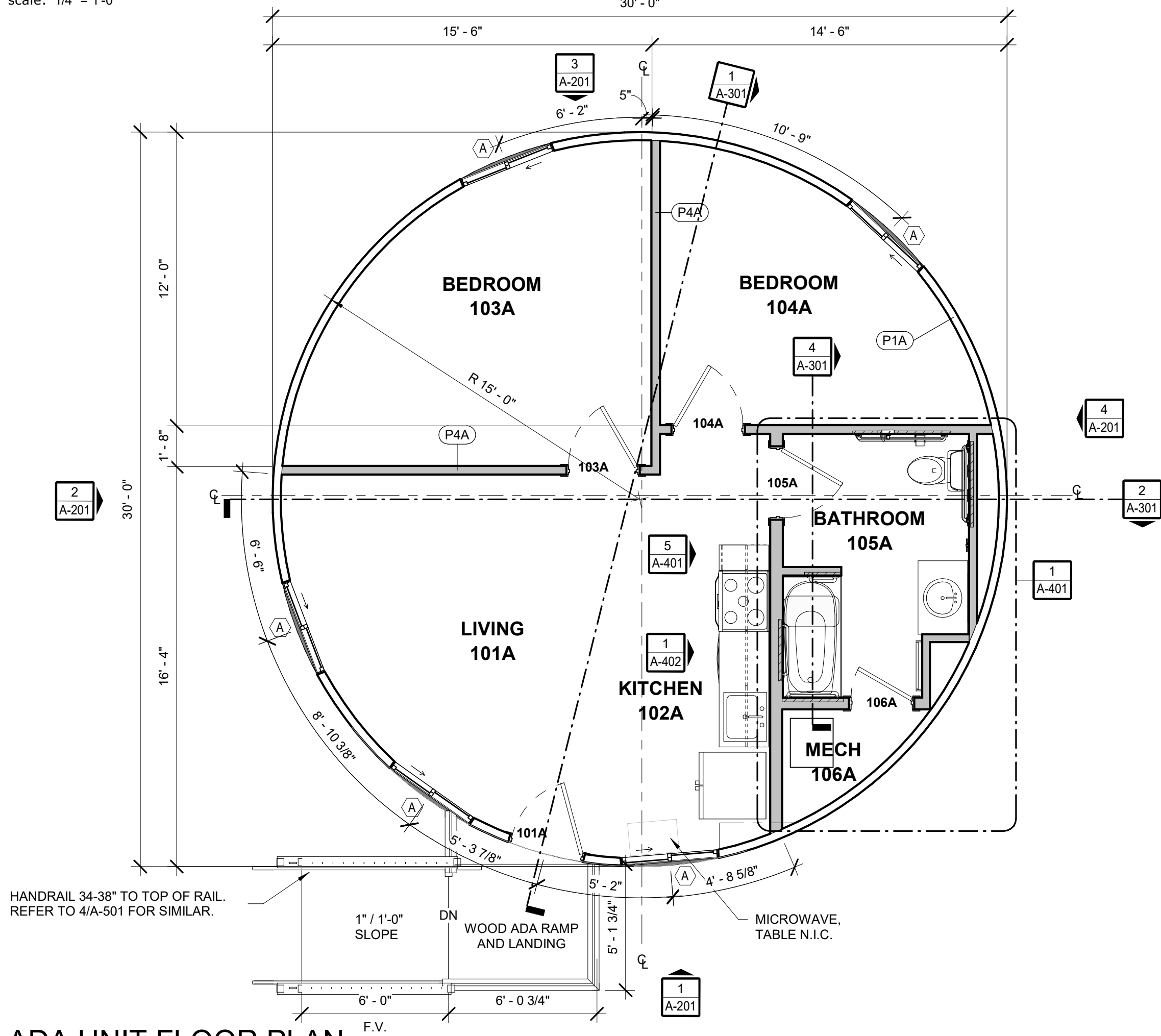


FOOTING SIZES	
ID	DIMENSIONS
A	18"Ø X 36" DEEP
B	18" WIDE X 3' LONG X 36" DEEP



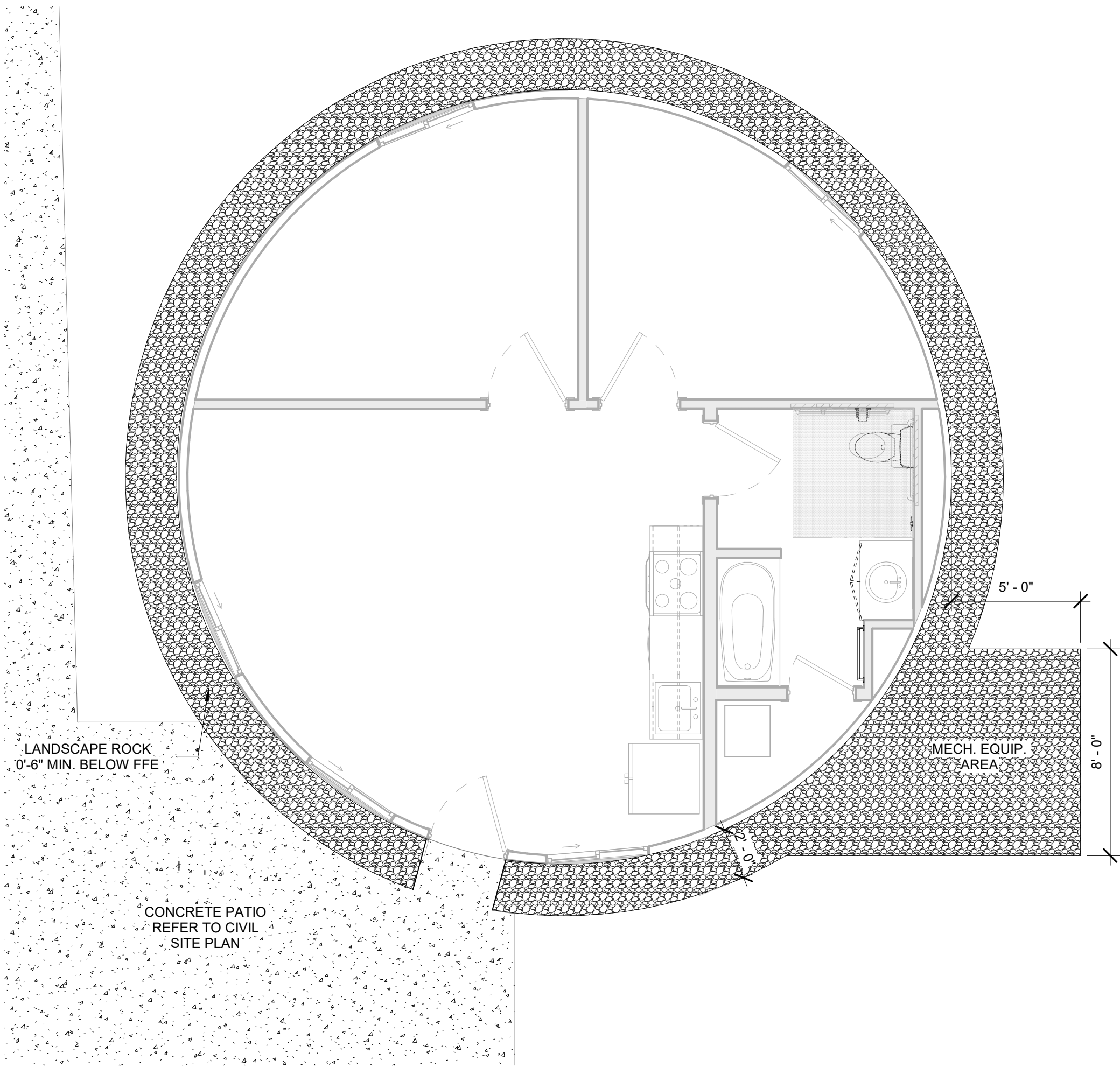
3 RAISED PLATFORM FRAMING PLAN

A-101 scale: 1/4" = 1'-0"



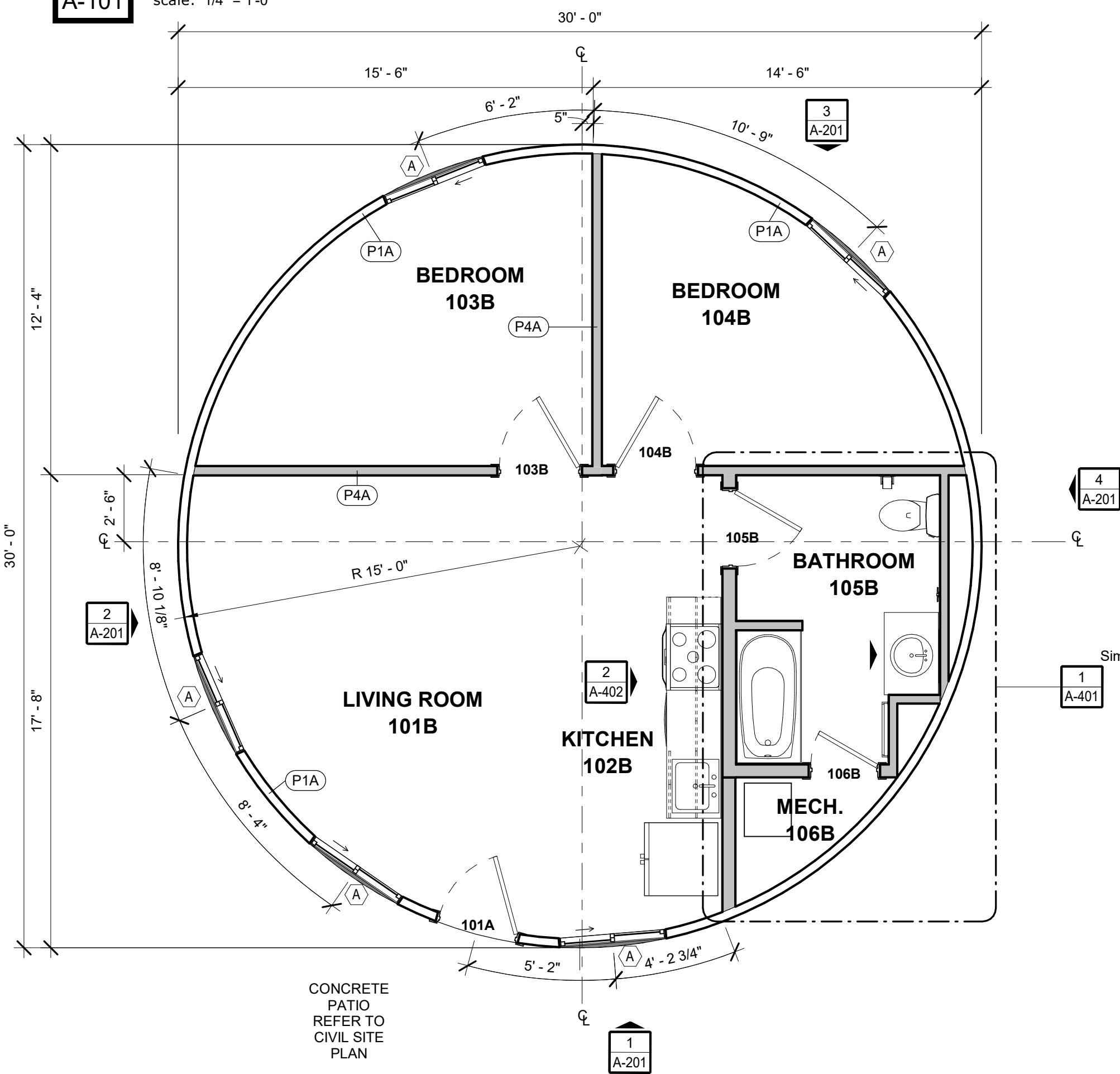
1 ADA UNIT FLOOR PLAN

A-101 scale: 1/4" = 1'-0"



4 SLAB ON GRADE LANDSCAPE PLAN

A-101 scale: 1/4" = 1'-0"



2 STANDARD UNIT FLOOR PLAN

A-101 scale: 1/4" = 1'-0"

GENERAL NOTES - FLOOR PLAN

- ALL DIMENSIONS INDICATED IN CONTRACT DOCUMENTS ARE FROM FACE OF STUD TO FACE OF STUD FOR INTERIOR PARTITIONS, FACE OF EXISTING STRUCTURE OR FINISH, FACE OF CONCRETE OR BLOCK, OR TO STRUCTURAL LINE, EXCEPT AS NOTED OTHERWISE. DIMENSIONS OF EXISTING STRUCTURE, ETC. ARE +/- AND SHOULD BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF WORK AND ARCHITECT NOTIFIED OF ANY DISCREPANCIES.
- EQUIPMENT SHOWN ON THIS PLAN IS FOR REFERENCE ONLY. SEE EQUIPMENT, MECHANICAL, PLUMBING, AND/OR ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- COORDINATE WITH OWNER ON OWNER SUPPLIED APPLIANCES AND EQUIPMENT PRIOR TO FABRICATION/INSTALLATION.
- WALL TYPES INDICATE TYPICAL CONDITIONS, SOME CONDITIONS MAY VARY. REFER TO SECTIONS, INTERIOR ELEVATIONS AND STRUCTURAL DRAWINGS FOR ADDITIONAL DETAILS. WALL SECTIONS INDICATE PRIMARY WALL TYPE, OVERLAID VENEERS, WAINSCOT, PILASTERS, PAINT, WALL COVERINGS ETC. ARE INDICATED ON FLOOR PLANS, FINISH PLANS, INTERIOR ELEVATIONS, SCHEDULES, SPECIFICATIONS OR OTHER DETAILS.
- GENERAL CONTRACTOR TO PROVIDE ALL BACKING AS REQUIRED IN WALL FOR CABINETS, FIRE EXTINGUISHER CABINETS, GRAB BARS, BATHROOM ACCESSORIES, WALL STOP LOCATIONS, ETC. AS REQUIRED.
- PENETRATIONS OF PIPES, CONDUIT, DUCTS AND VENTS THROUGH RATED ASSEMBLIES SHALL BE PROTECTED AS REQUIRED TO MAINTAIN ASSEMBLY RATING.
- ALL WALL INSULATION SHALL EXTEND THE FULL HEIGHT OF THE WALL UNLESS NOTED OTHERWISE.
- RECESSED FIXTURE SUCH AS OUTLETS SHOULD NOT BE PLACED BACK TO BACK IN THE SAME STUD CAVITY.

GENERAL NOTES - PARTITIONS

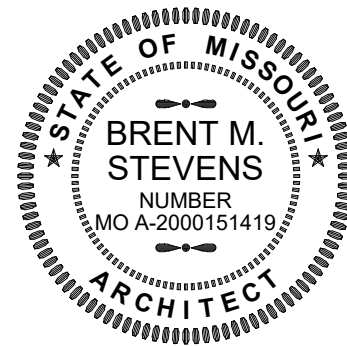
- ARCHITECTS RECOMMENDATION ON RESTROOM PARTITIONS: ALL PARTITION TYPES TO RECEIVE ACOUSTIC SEALANT ON BOTH SIDES OF THE WALL AT TOP AND BOTTOM.
- ALL PARTITIONS TO RECEIVE WALL BASE ON BOTH SIDES OF WALL. REFER TO FINISH PLAN AND LEGEND FOR MORE INFORMATION.
- ANY WALL CONSTRUCTION NOT NOTED WITH A PARTITION TYPE WALL TAG SHALL BE CLARIFIED FOR INTERPRETATION BY ARCHITECT PRIOR TO BIDDING. CONTRACTOR SHALL COORDINATE WALL FRAMING ABOVE FINISHED CEILINGS WITH FRAMING, PLUMBING, AND HVAC CONTRACTORS. FRAMING CONTRACTOR SHALL PROVIDE NECESSARY ROUGH OPENING FRAMING REQUIRED TO FACILITATE PIPING OR DUCTWORK PENETRATIONS - REFER TO MEP ENGINEERING DRAWINGS FOR LOCATIONS OF LOCATIONS OF NEW DUCTS, PIPING, ETC. SOME WALL FRAMING / BRACING MAY REQUIRE ADJUSTMENT OR RE-LOCATION TO ALLOW FOR DUCT / PIPE ROUTING. REFER TO U.L. DESIGN DIRECTORY FOR LISTED DESIGN NUMBERS NOT INDICATED.
- ASSEMBLIES SHOULD BE AIRTIGHT. SEAL ALL PENETRATIONS AND CRACKS WITH ACOUSTICAL SEALANT.
- WALL SECTIONS INDICATE PRIMARY WALL TYPE, OVERLAID VENEERS, WAINSCOT, PILASTERS, PAINT, WALL COVERINGS ETC. ARE INDICATED ON FLOOR PLANS, FINISH PLANS, INTERIOR ELEVATIONS, SCHEDULES, SPECIFICATIONS OR OTHER DETAILS.
- REFERENCE INTERIOR ELEVATION SHEETS FOR THE HEIGHTS OF FINISH MATERIALS (I.E. - TILE, WOOD PLANKS, ETC.)

KEYNOTE LEGEND

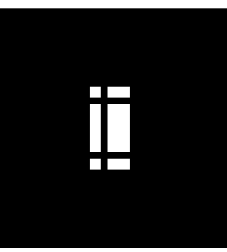
KEYNOTES - A 101	
Character	Note Text
A-1	REFER TO STRUCTURALSHEETS FOR FRAMING LAYOUT AND SIZING.

P1A	OUTSIDE FACE - VINYL LAMINATED FABRIC COVER - YURT PKG - WOOD LATTICE WALL - YURT PKG - 0' 3 1/2" WOOD STUD - YURT PKG INSIDE FACE
P4A	OUTSIDE FACE - 0' 3/8" KNOTTY PINE BEAD BOARD PANEL - 0' 3 1/2" WOOD STUD @ 16" O.C. - EXTEND TO 9'-0" A.F.F. - 0' 3/8" KNOTTY PINE BEAD BOARD PANEL INSIDE FACE
P4B	OUTSIDE FACE - 0' 3/8" KNOTTY PINE BEAD BOARD PANEL - 0' 3 1/2" WOOD STUD @ 16" O.C. - EXTEND TO 9'-0" A.F.F. INSIDE FACE
P6A	OUTSIDE FACE - 0' 3/8" KNOTTY PINE BEAD BOARD PANEL - 0' 5 1/2" WOOD STUD @ 16" O.C. - EXTEND TO 9'-0" A.F.F. - 0' 3/8" KNOTTY PINE BEAD BOARD PANEL INSIDE FACE
P6B	OUTSIDE FACE - 0' 3/8" KNOTTY PINE BEAD BOARD PANEL - 0' 5 1/2" WOOD STUD @ 16" O.C. - EXTEND TO 9'-0" A.F.F. INSIDE FACE

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MICHAEL L. PARSON,
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OFFICE OF ADMINISTRATION
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DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 7815603018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: JANUARY 17, 2023

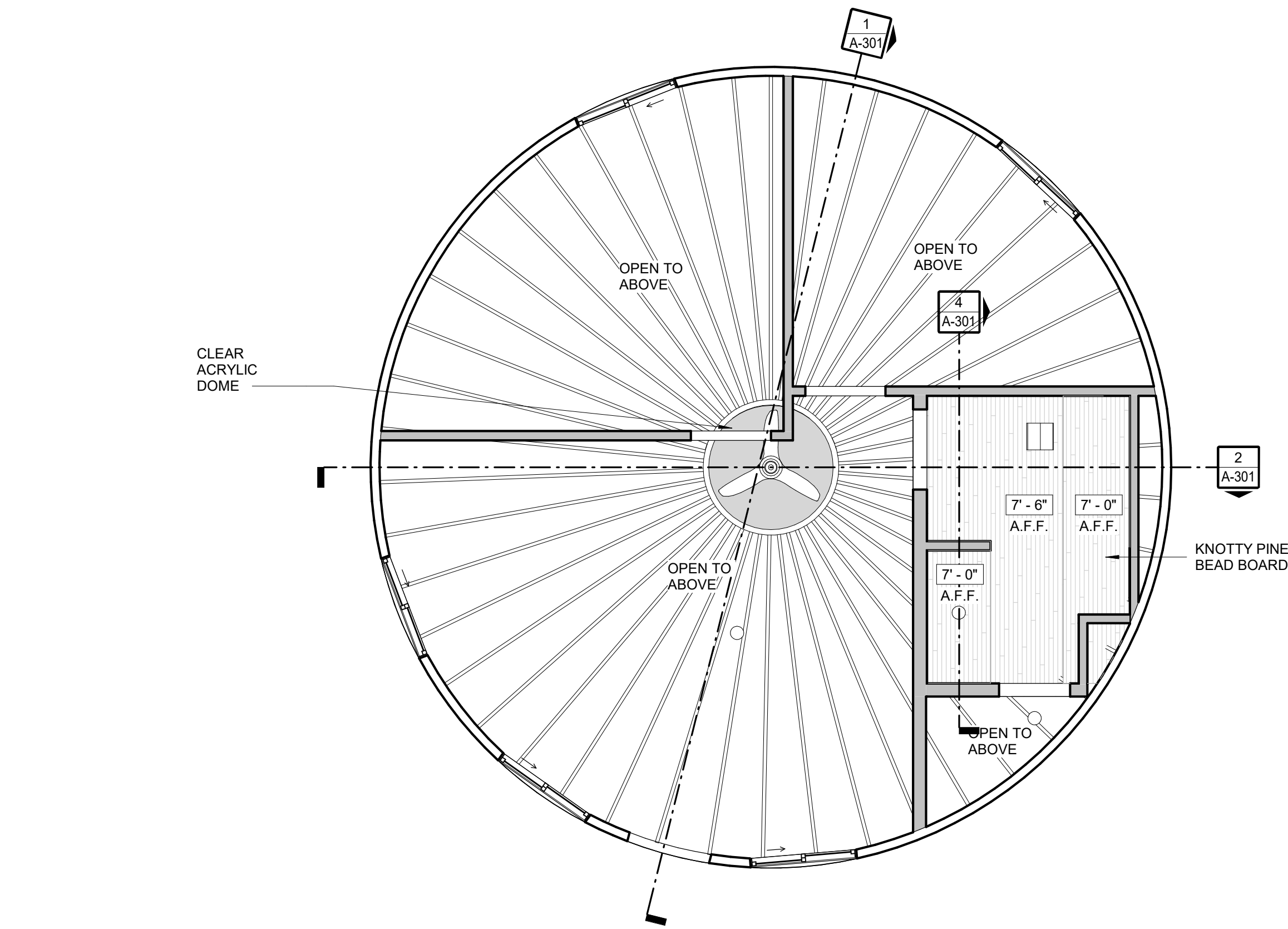
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DRAWN BY: HDG
CHECKED BY: HDG
DESIGNED BY: HDG

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OVERALL PLANS

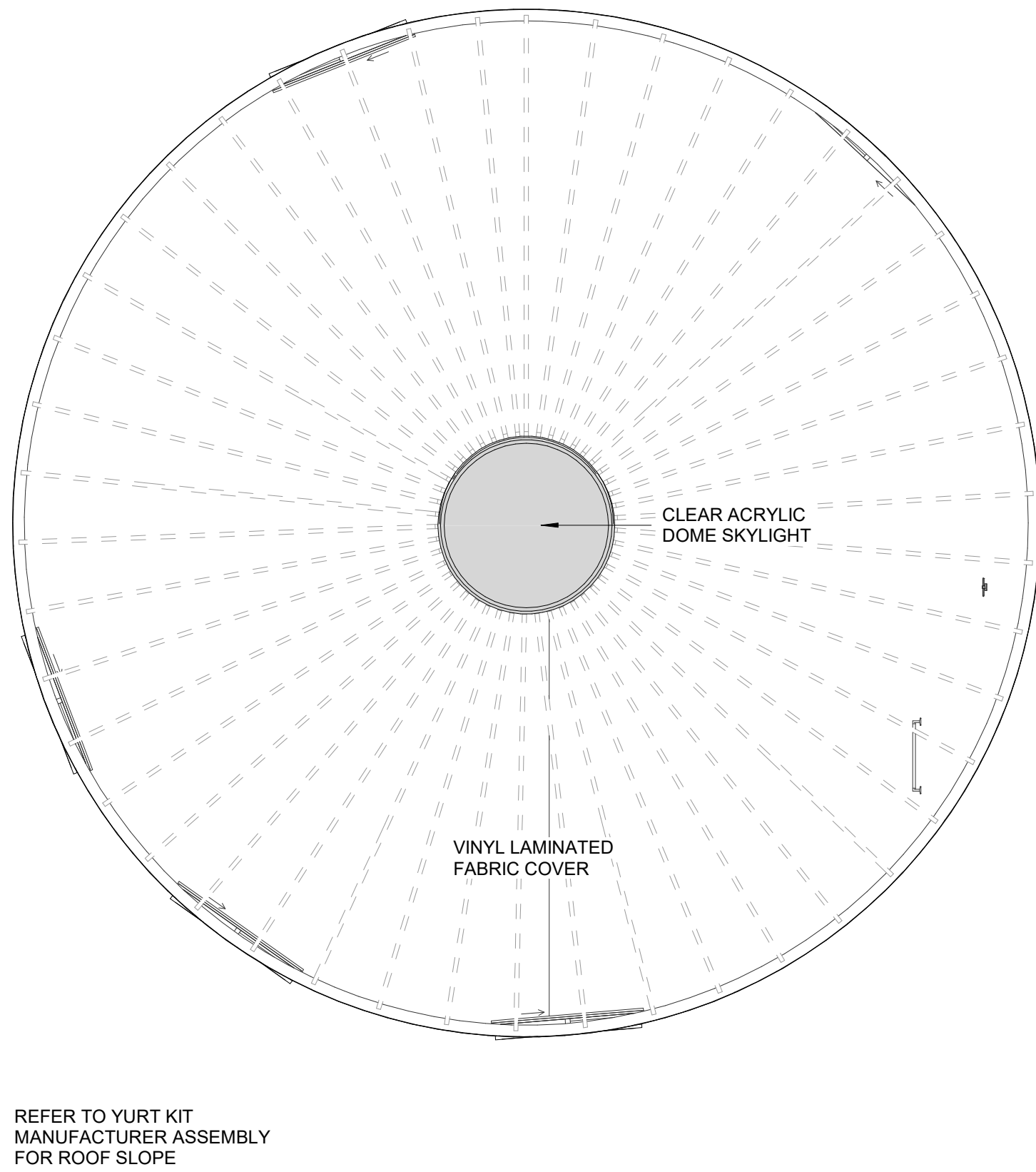
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A-101

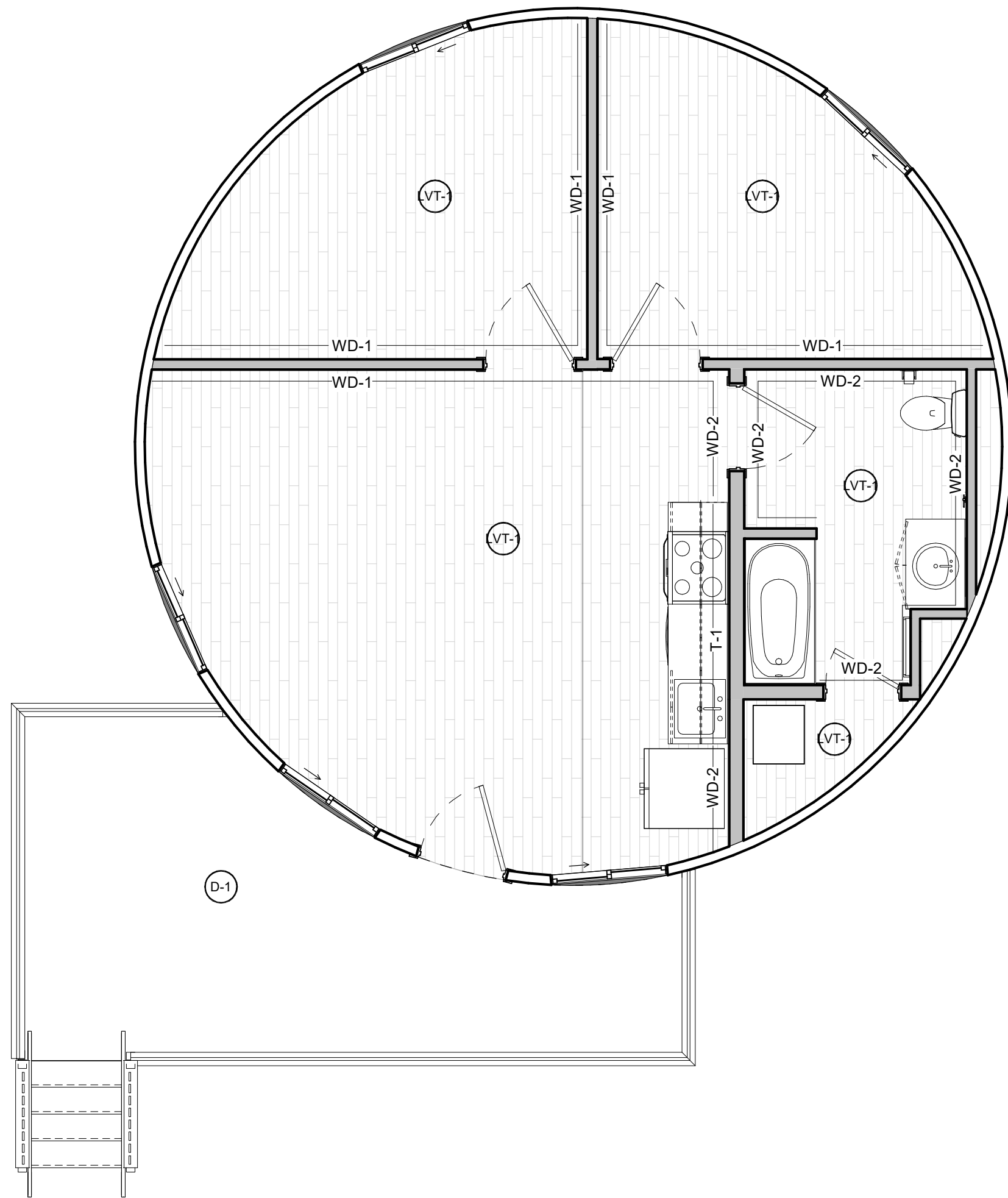
SHEET 18 OF 32
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3 REFLECTED CEILING PLAN
A-102 scale: 1/4" = 1'-0"



1 ROOF
A-102 scale: 1/4" = 1'-0"



2 INTERIOR FINISH PLAN
A-102 scale: 1/4" = 1'-0"

FLOOR FINISH LEGEND:

FLOORING:

LVT-1 MANUFACTURER: SHAW
COLLECTION: DISTINCTION PLUS
COLOR: EUCALYPTUS
PATTERN: 1/3 OFFSET

WALL COVERINGS:

WD-1 KNOTTY PINE BEAD BOARD PANEL
FINISH: CLEAR OIL BASED POLYURETHANE
INSTALLATION: ALL WALL SURFACES
UNLESS NOTED OTHERWISE.

WD-2 MOISTURE RESISTANT BEAD BOARD PANEL
FINISH: PAINTED WHITE, VERIFY WITH ARCH.
INSTALLATION: BATHROOM WALLS AND
CEILING UNLESS NOTED OTHERWISE.

MOLDING

B-1 TYPE: BASE & CROWN
KNOTTY PINE
PROFILE: 356
FINISH: CLEAR OIL BASED POLYURETHANE
INSTALLATION: ALL AREAS
UNLESS NOTED OTHERWISE.

B-2 TYPE: BASE & CROWN
MOISTURE RESISTANT MDF
PROFILE: 356
FINISH: PAINTED WHITE, VERIFY WITH ARCH.
INSTALLATION: BATHROOM

WOOD DOORS:

STN-1 SOLID RADIATA PINE
STYLE: 6 PANEL
FINISH: CLEAR OIL BASED POLYURETHANE

NOTES:

- ALL EXPOSED SURFACES TO RECEIVE FINISH.
- TAKE MEASURES TO PROTECT SENSITIVE FIRE SPRINKLERS, HVAC, ELECTRICAL AND ANY OTHER SENSITIVE EQUIPMENT WITHIN THE SPACE.
- KNOTTY PINE BEAD BOARD TO RECEIVE A CLEAR COAT FINISH.
- KNOTTY PINE BEAD BOARD IN RESTROOMS TO RECEIVE OIL BASED CLEAR COAT FINISH.

MILLWORK:

WV-1 SOLID KNOTTY PINE
SHAPE: SQUARE RAISED
FINISH: CLEAR
INSTALLATION: ALL MILLWORK
UNLESS NOTED OTHERWISE.

COUNTERTOPS:

SS-1 LOCATION: ALL COUNTERS U.N.O.
THICKNESS: 3CM
EDGE PROFILE: PENCIL
MANUFACTURER: CORIAN
TYPE: QUARTZ
COLOR: SADDLE BROWN

PORCELAIN TILE:

T-1 MANUFACTURER: DALTILE
COLLECTION: ESTA VILLA
SIZE: 2"X4"
PATTERN: MOSAIC
COLOR: GARDEN WHITE EV97

GROUT:

ALL TILE TO RECEIVE - UNSANDED GROUT
VERIFY COLOR WITH ARCH.

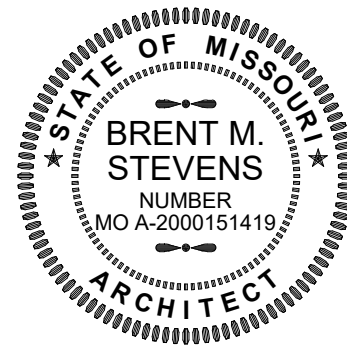
DECKING FINISH:

D-1 TYPE: STAINED PRESSURE TREATED PINE
COLOR: MATCH EXISTING, VERIFY WITH ARCH
LOCATION: ALL EXTERIOR EXPOSED
DECKING AND RAILING SURFACES U.N.O.

GENERAL NOTES - FINISHES

- ALL FINISHES COLORS SELECTED BY OWNER. SUBMIT SAMPLES TO OWNER'S FOR APPROVAL.
- ALL PAINT SYSTEMS TO BE WASHABLE TYPE. SUBMIT PAINT SAMPLES AND PRODUCT SPEC'S FOR APPROVAL. TWO FINISH COATS PAINT SYSTEM EQUAL TO SHERWIN WILLIAM PRO MAR 200 OVER SHERWIN WILLIAM GYP. BD. PRIMER. SUBMIT THREE DIFFERENT 12 X 24 KNOCK DOWN TEXTURE SAMPLES FOR OWNERS SELECTION. CEILING AND WALL TEXTURES WILL NOT BE THE SAME.
- INTERIOR FLOOR FINISH AND COVERING MATERIAL SHALL BE CLASS I OR CLASS II AND COMPLY WITH DOCFF-1 "PILL TEST" (CPSC 16 CFT, PART 1630). SUBMIT MATERIAL SAMPLES AND MANUFACTURER'S TESTING REPORTS FOR APPROVAL.
- CORRIDOR, ROOMS AND ENCLOSED SPACES INTERIOR WALL AND CEILING FINISHES TO CLASS C WITH NO GREATER FLAME SPREAD OF 76-200 AND SMOKE DEVELOPED 0-450.
- ALL WINDOW TREATMENT AND AWNING MATERIAL TO BE FIRE RETARDANT AND TESTED IN ACCORDANCE WITH NFPA 286.
- SLEEPING UNITS BATH ROOM LAVATORY TO BE CULTURED MARBLE COUNTER TOP AND INTEGRAL SINK WITH OVERFLOW AND RECESS BOWL EDGE. PROVIDE BACKSPLASH WHERE COUNTER ABUTS WALLS.
- PAINTER TO FURNISH AND INSTALL BACKER ROD AND CAULKING AROUND PERIMETER OF EXTERIOR WINDOWS AND DOORS. CAULKING COLOR TO MATCH WINDOW/DOOR FINISH. CAULKING EQUAL TO NP-1, OTHERS TO BEE TREMCO DYMOMIC FC POLYURETHANE HYBRID.

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CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 7815603018

REVISION: _____
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ISSUE DATE: JANUARY 17, 2023

CAD DWG FILE: X221601 A-102
DRAWN BY: HDG
CHECKED BY: HDG
DESIGNED BY: HDG

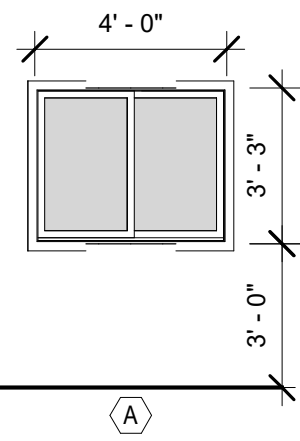
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OVERALL PLANS

SHEET NUMBER:

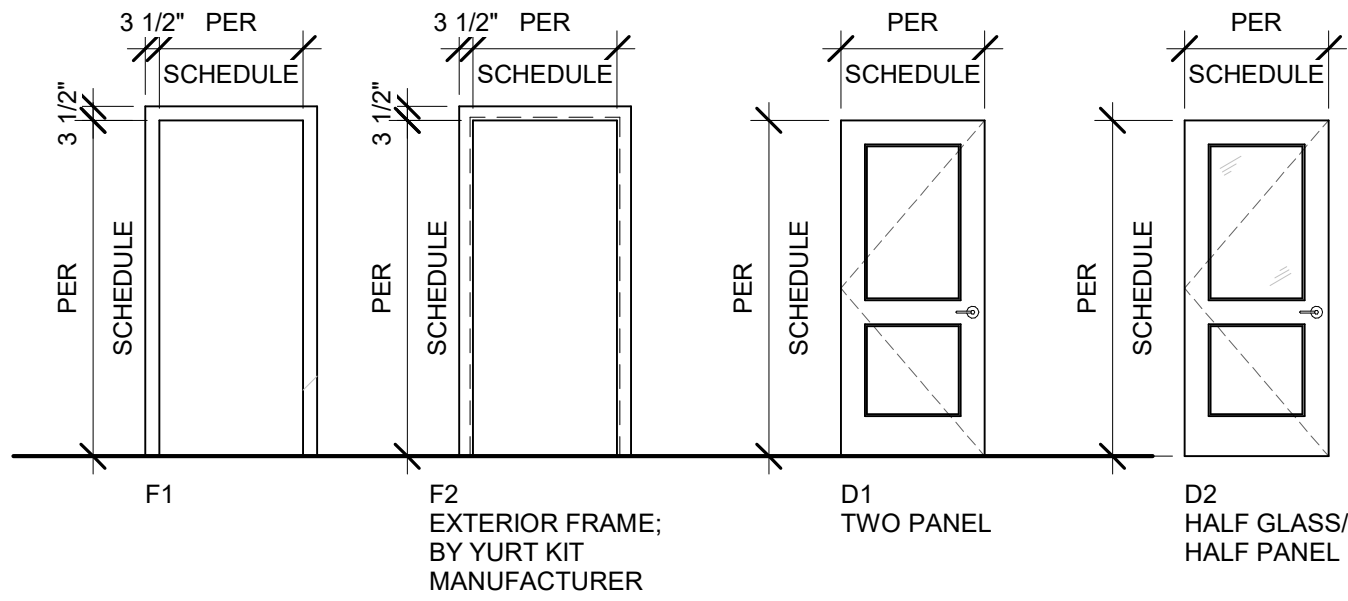
A-102

SHEET 19 OF 32
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DOOR + FRAME SCHEDULE								
Mark	Door Information				Frame Information			Comments
	Type	Door Material	Door Finish	Door Type	Frame Material	Finish	Frame Type	
101A	3'-0" x 6'-8"	WD	STN	D2	WD	STN	F2	
101B	42" x 42"							
103A	2'-10" x 6'-8"	WD	STN	D1	WD	STN	F1	
103B	3'-0" x 6'-8"	WD	STN	D1	WD	STN	F1	
104A	2'-10" x 6'-8"	WD	STN	D1	WD	STN	F1	
104B	3'-0" x 6'-8"	WD	STN	D1	WD	STN	F1	
105A	2'-10" x 6'-8"	WD	STN	D1	WD	STN	F1	
105B	2'-10" x 6'-8"	WD	STN	D1	WD	STN	F1	
106A	2'-6" x 6'-8"	WD	STN	D1	WD	STN	F1	
106B	2'-6" x 6'-8"	WD	STN	D1	WD	STN	F1	



DOUBLE-PANE
SLIDING WINDOW



GENERAL NOTES - OPENINGS

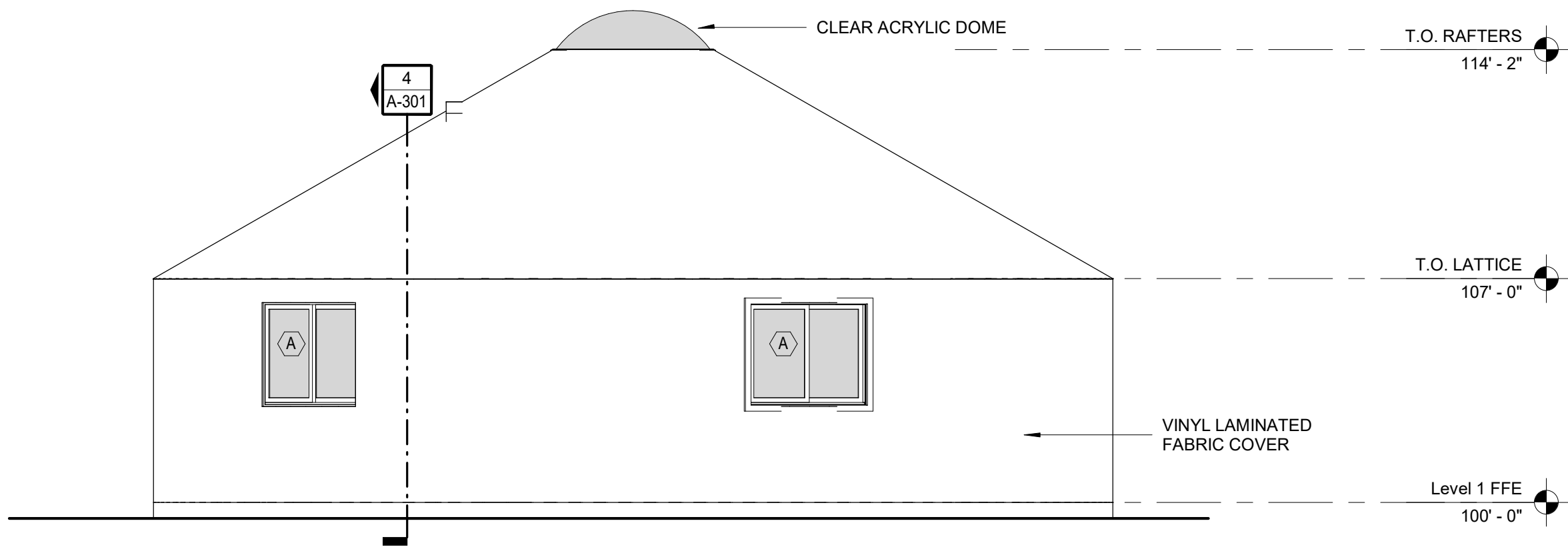
ABBREVIATIONS:

(ALUM) ALUMINUM FRAME
(HM) HOLLOW METAL
(PF) PRE-FINISHED
(PNT) PAINT
(STN) STAIN
(WD) WOOD
(SC) SOLID CORE

- T = TEMPERED PANES OF GLAZING. ALL PANES WITHIN 18" OF GROUND PLAN, FINISH FLOOR, OR SIDEWALKS SHALL BE TEMPERED. ALL PANES WITHIN AN 18" SPHERE OF A DOOR SHALL ALSO BE TEMPERED.
- FIELD MEASURE ALL OPENINGS PRIOR TO FABRICATION OF FRAMES.

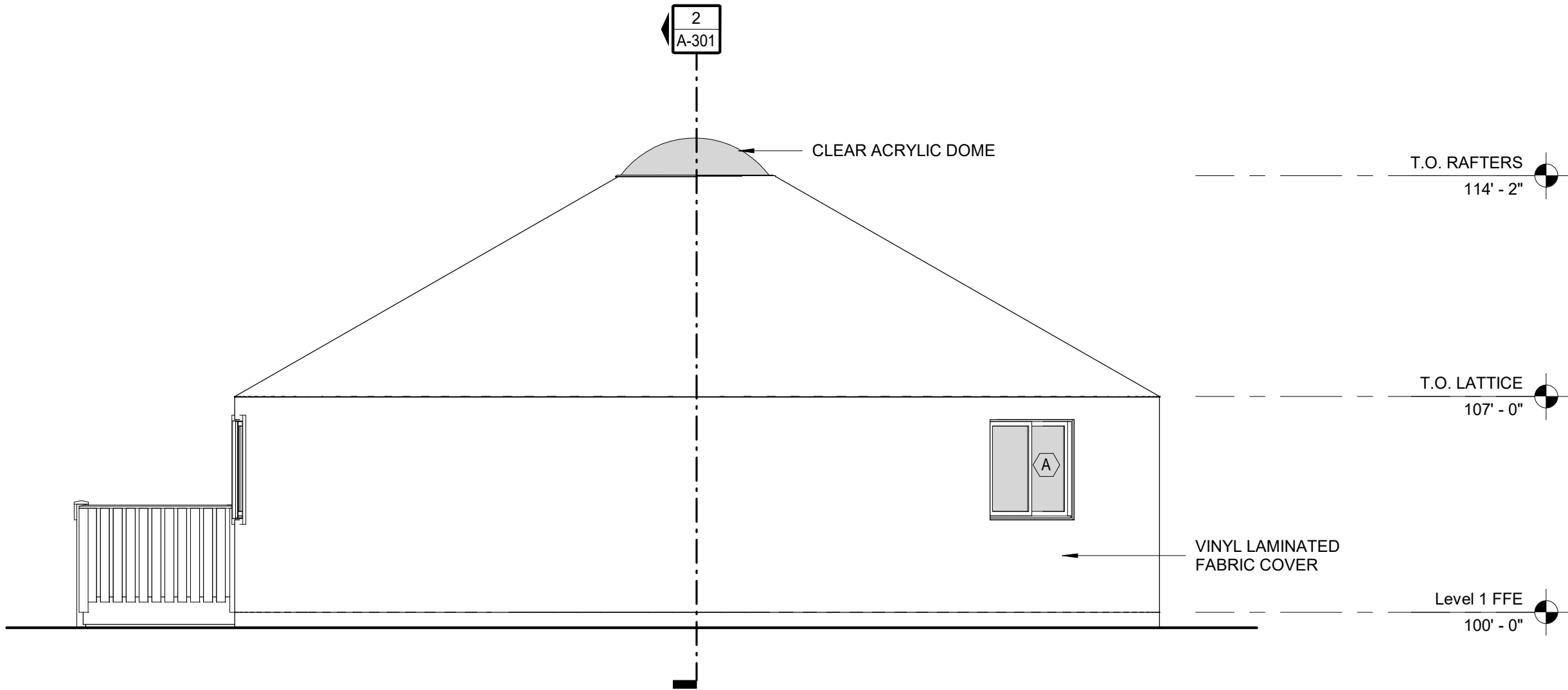
NOTE: YURT PACKAGE BASIS OF DESIGN TO BE PACIFIC YURTS INC. 30' YURT. YURT PACKAGE SHALL INCLUDE STANDARD AND OPTIONAL FEATURES LISTED BELOW.

- LATTICE WALL
- RAFTERS
- CENTER RING
- EXTERIOR ENTRY DOOR
- TINTED ACRYLIC DOME
- TENSION CABLE
- SIDE COVER
- VINYL DOUBLE PANE WINDOS
- TOP COVER
- RAIN DIVERTER
- HARDWARE
- SNOW AND WIND KIT
- PERIMETER BLOCKING
- 2X6 RAFTER/RING/HARDWARE UPGRADE
- FAN SUPPORT
- INSTRUCTIONS



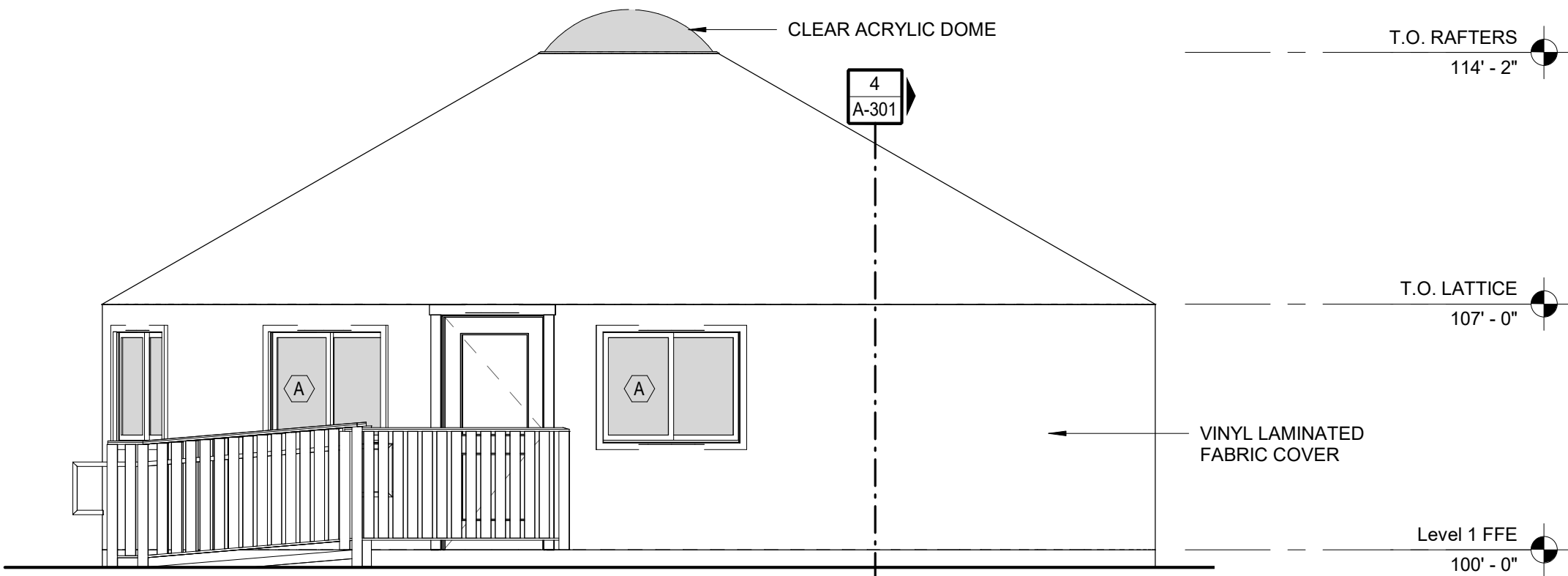
3 BACK ELEVATION

A-201 scale: 1/4" = 1'-0"



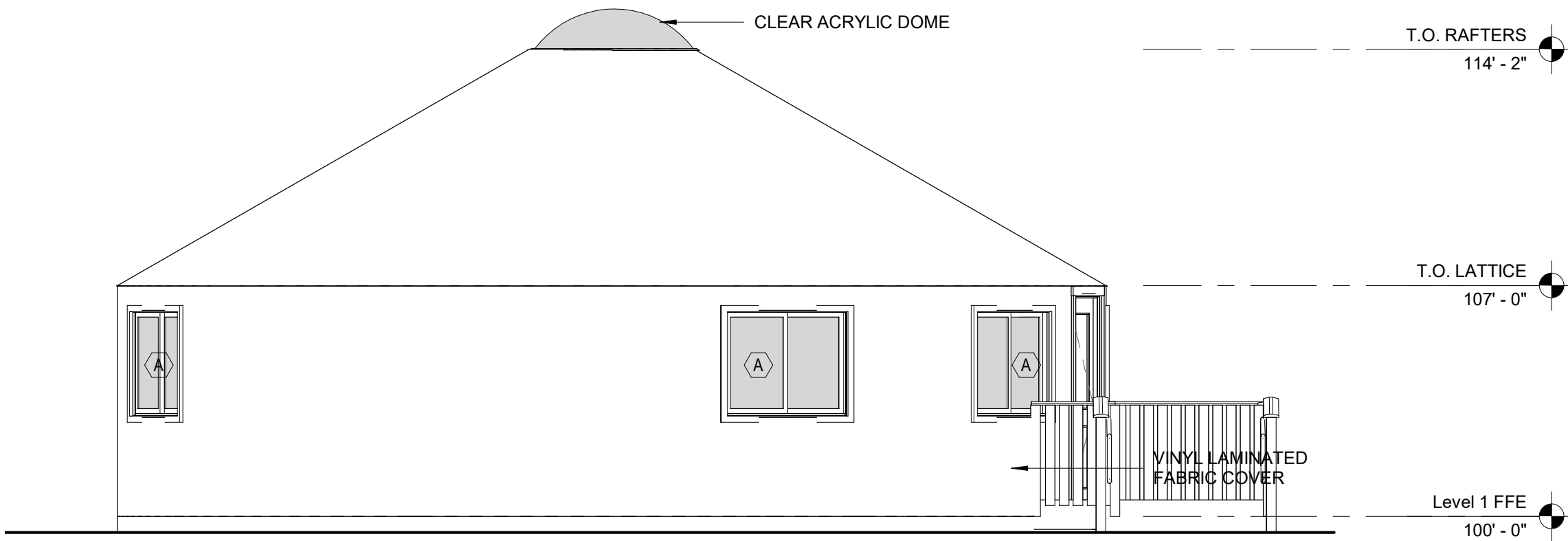
4 SIDE ELEVATION

A-201 scale: 1/4" = 1'-0"



1 FRONT ELEVATION

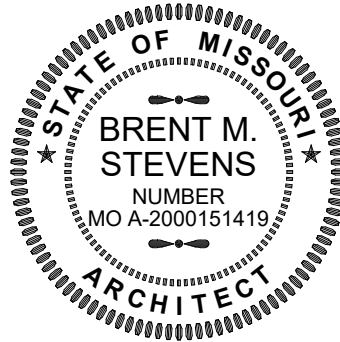
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2 SIDE ELEVATION

A-201 scale: 1/4" = 1'-0"

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PROJECT # X2215-01
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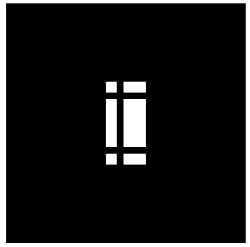
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DRAWN BY: HDG
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SHEET TITLE:
ELEVATIONS

SHEET NUMBER:

A-201

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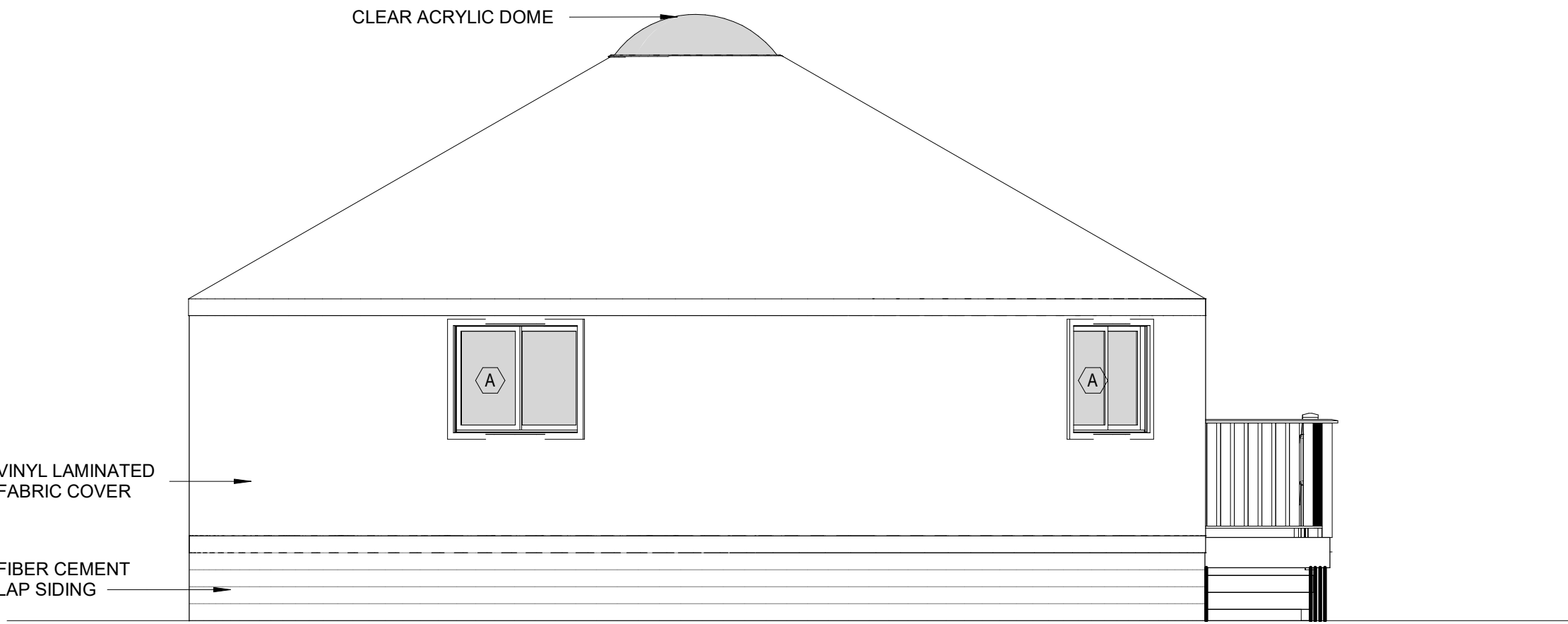
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DESIGNED BY: HDG

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RAISED
PLATFORM
ELEVATIONS

SHEET NUMBER:

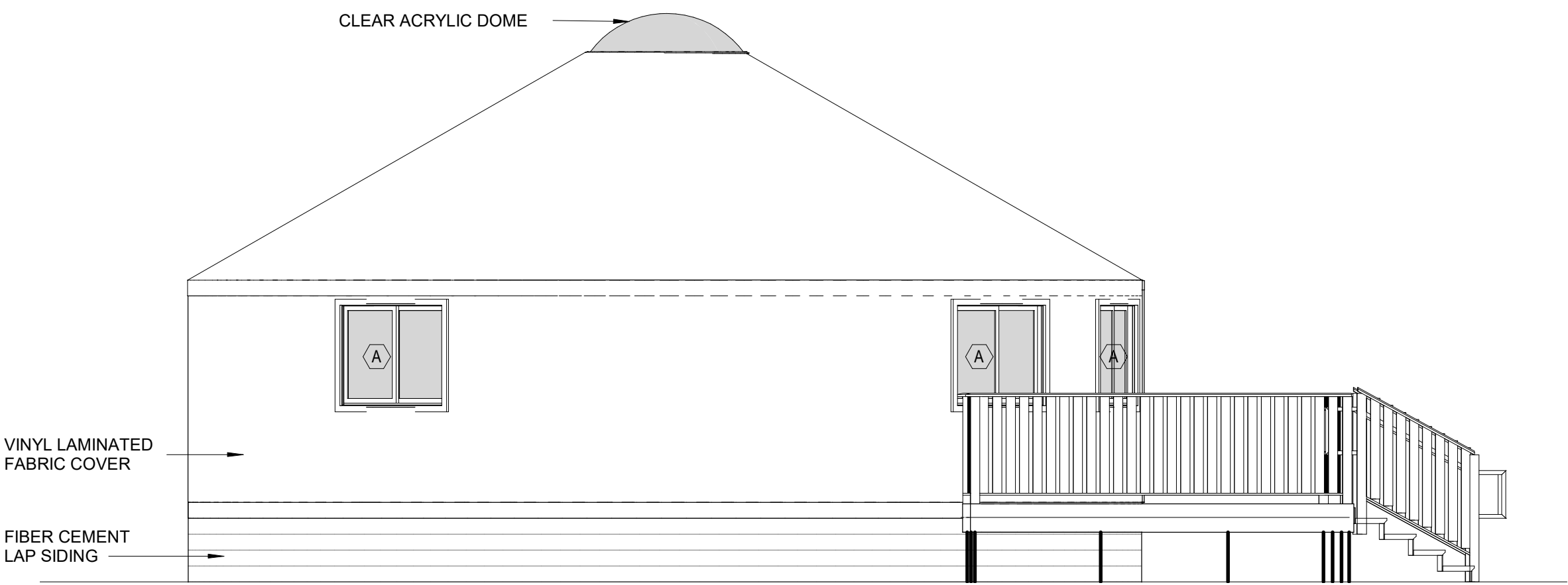
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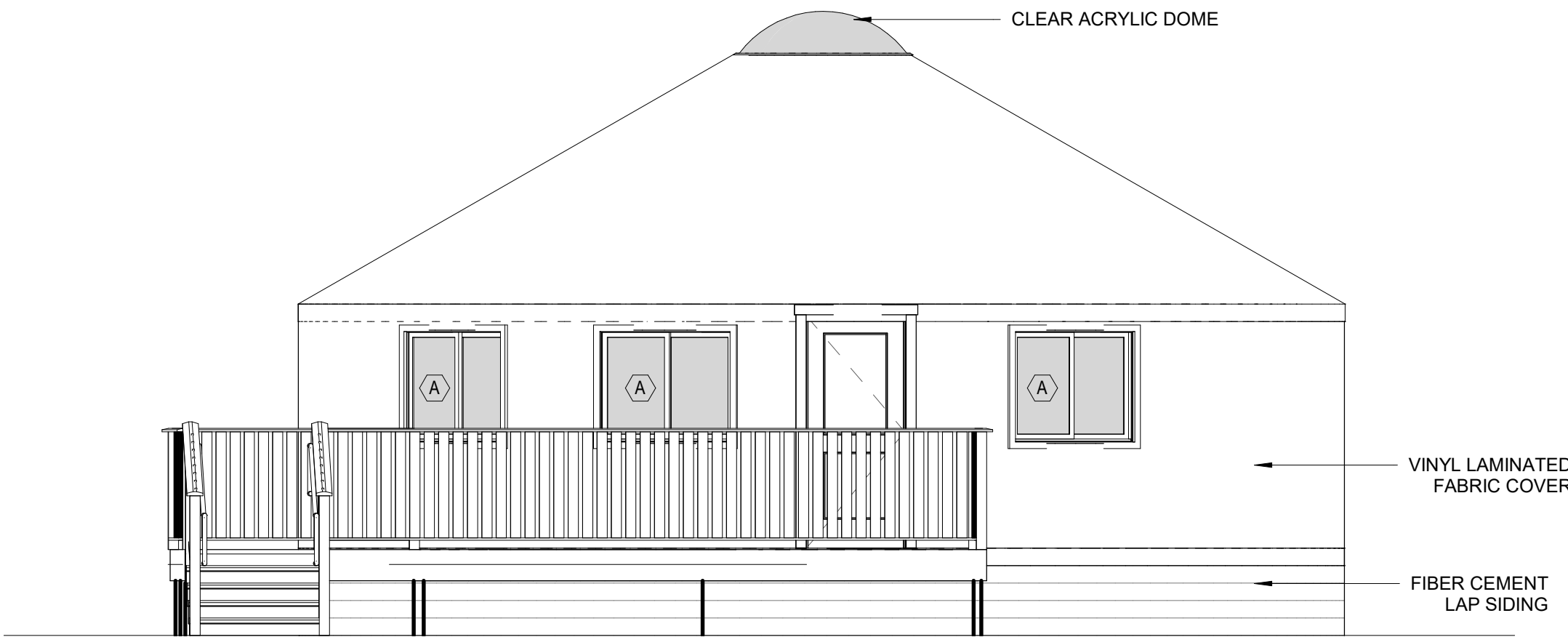
3 BACK ELEVATION
A-202

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



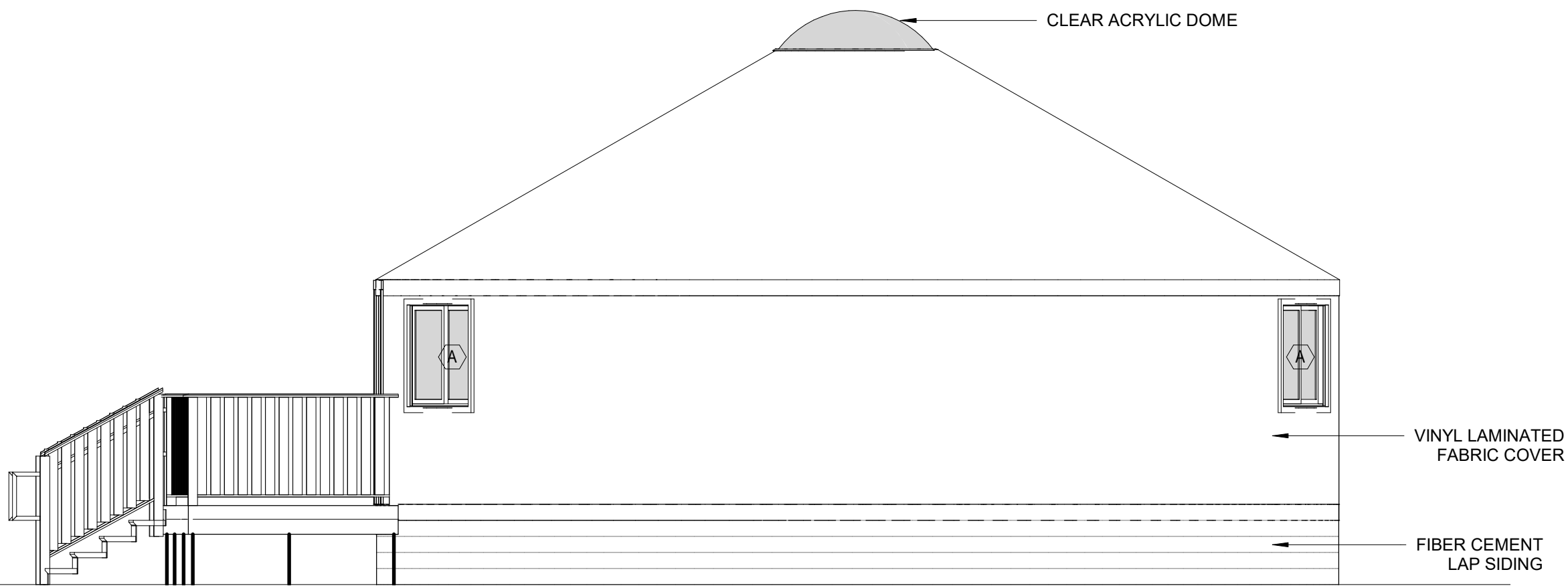
4 SIDE ELEVATION
A-202

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



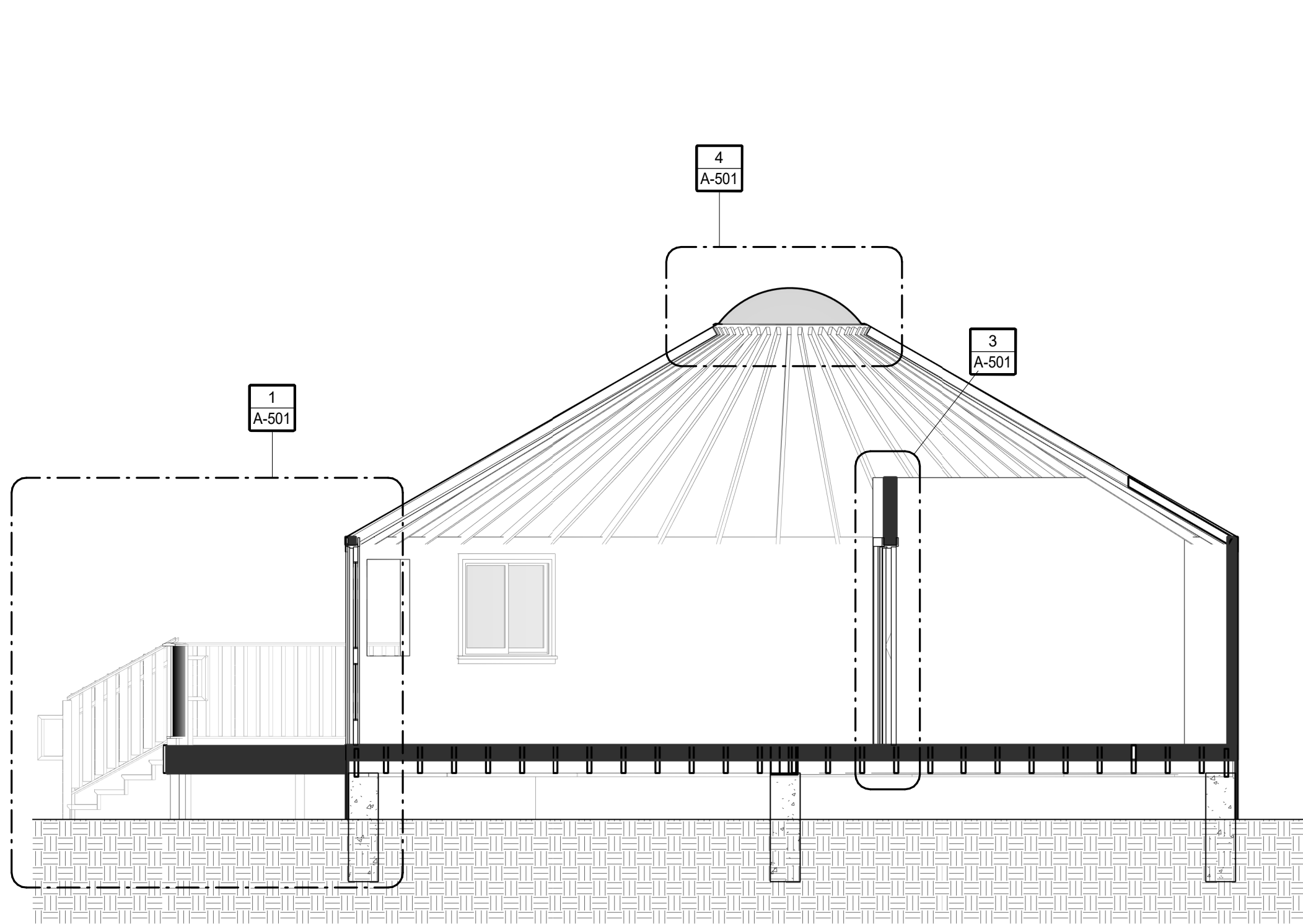
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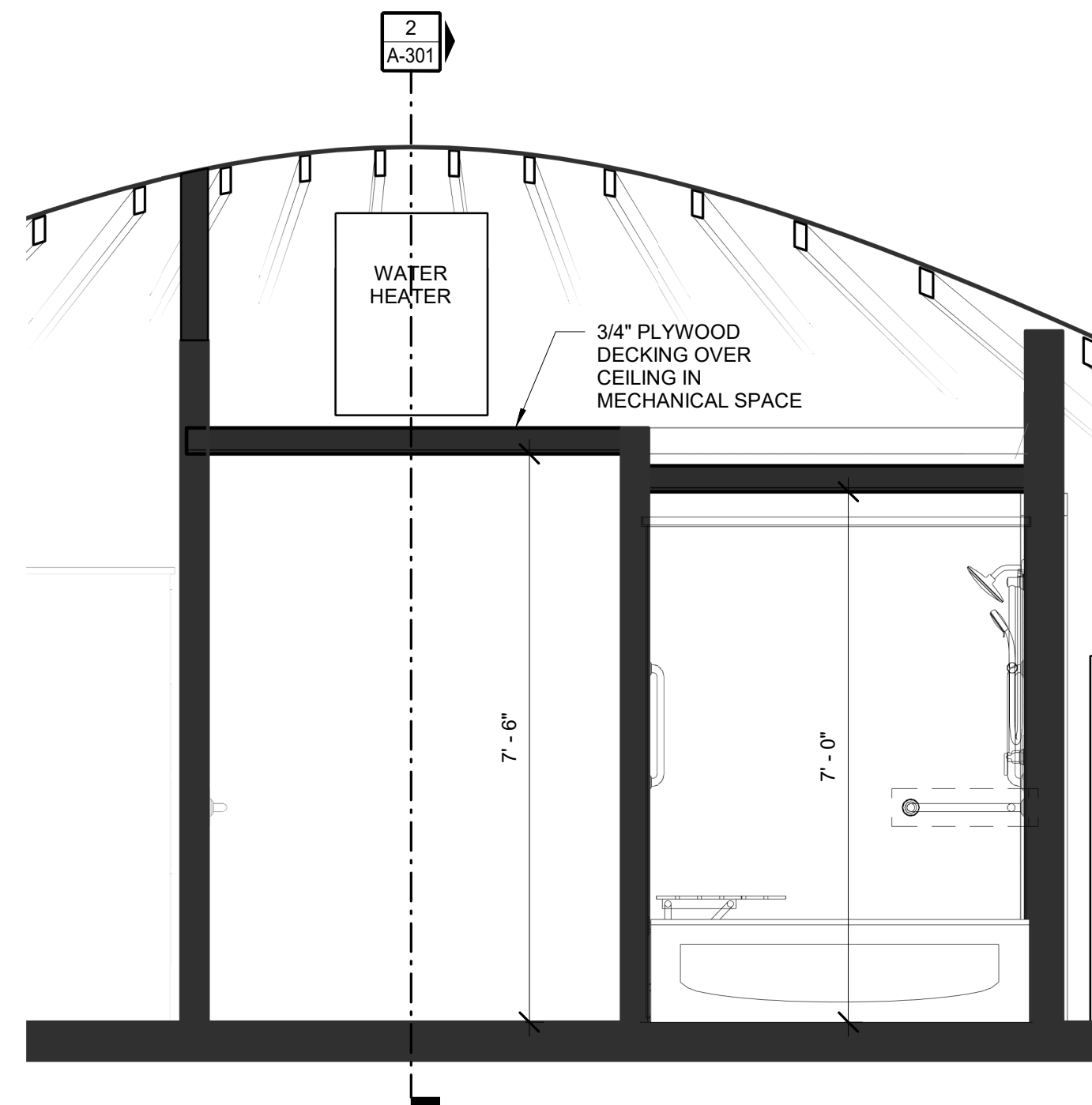


2 SIDE ELEVATION
A-202

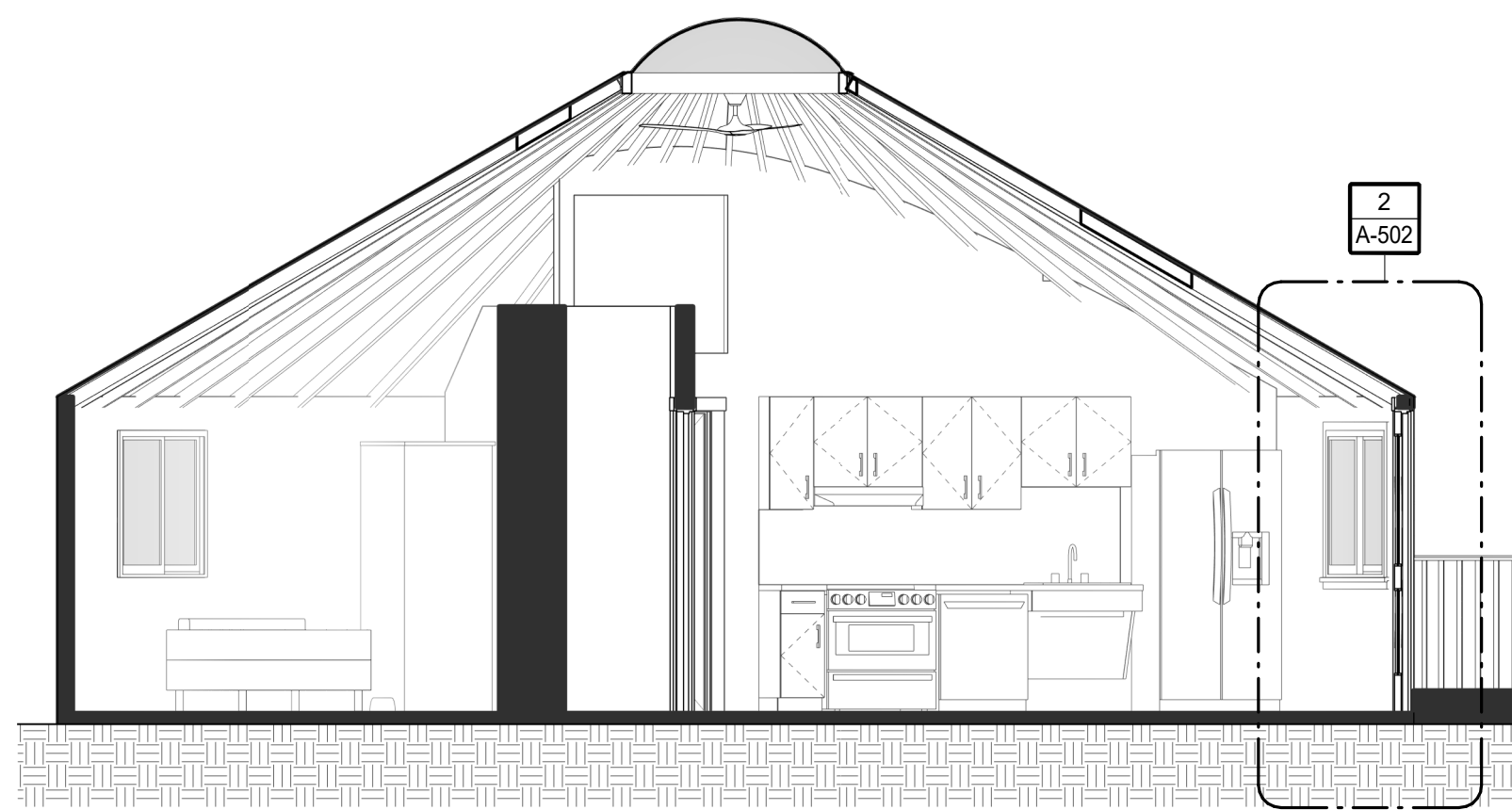
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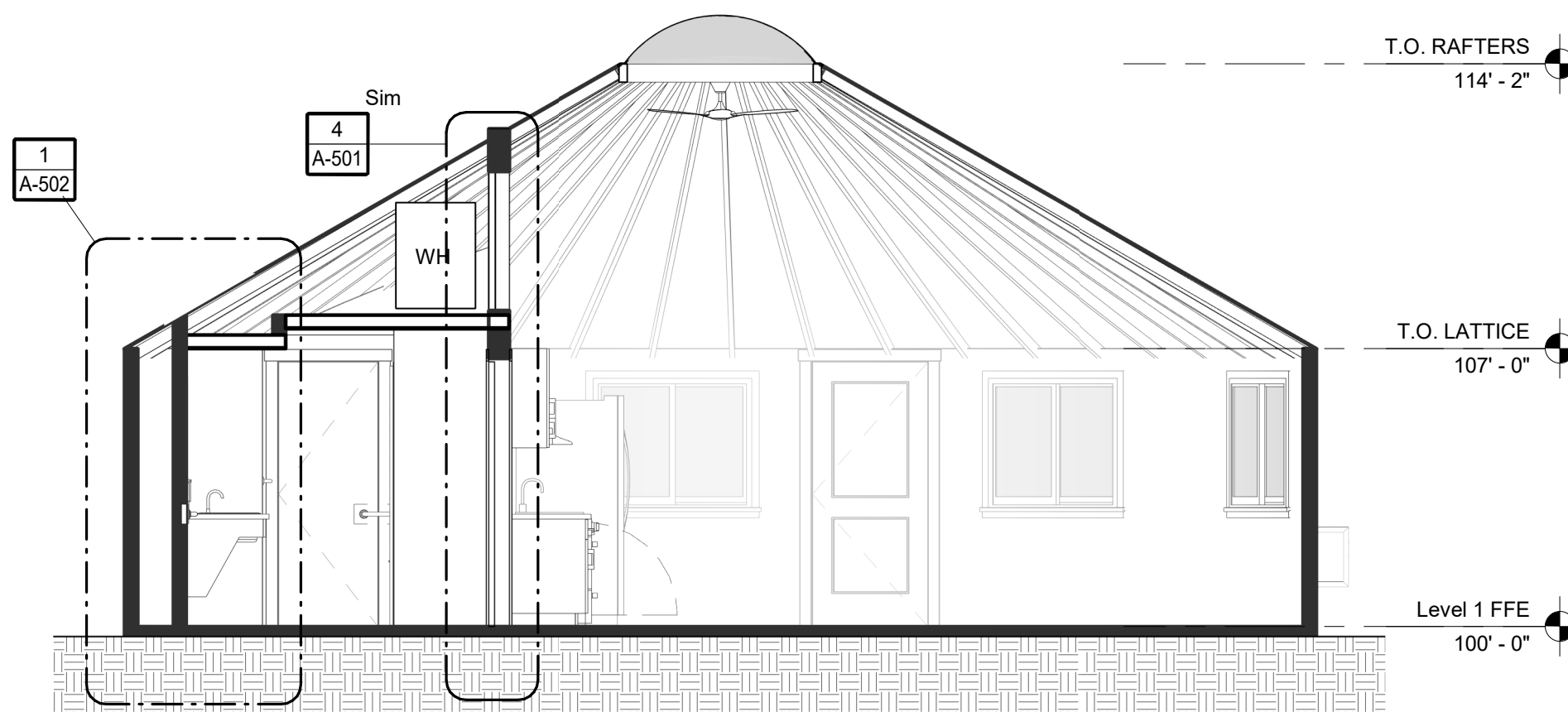
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A-301 scale: 1/4" = 1'-0"



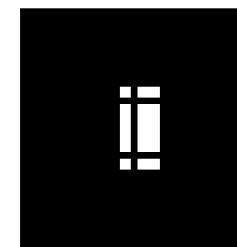
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A-301 scale: 1/2" = 1'-0"

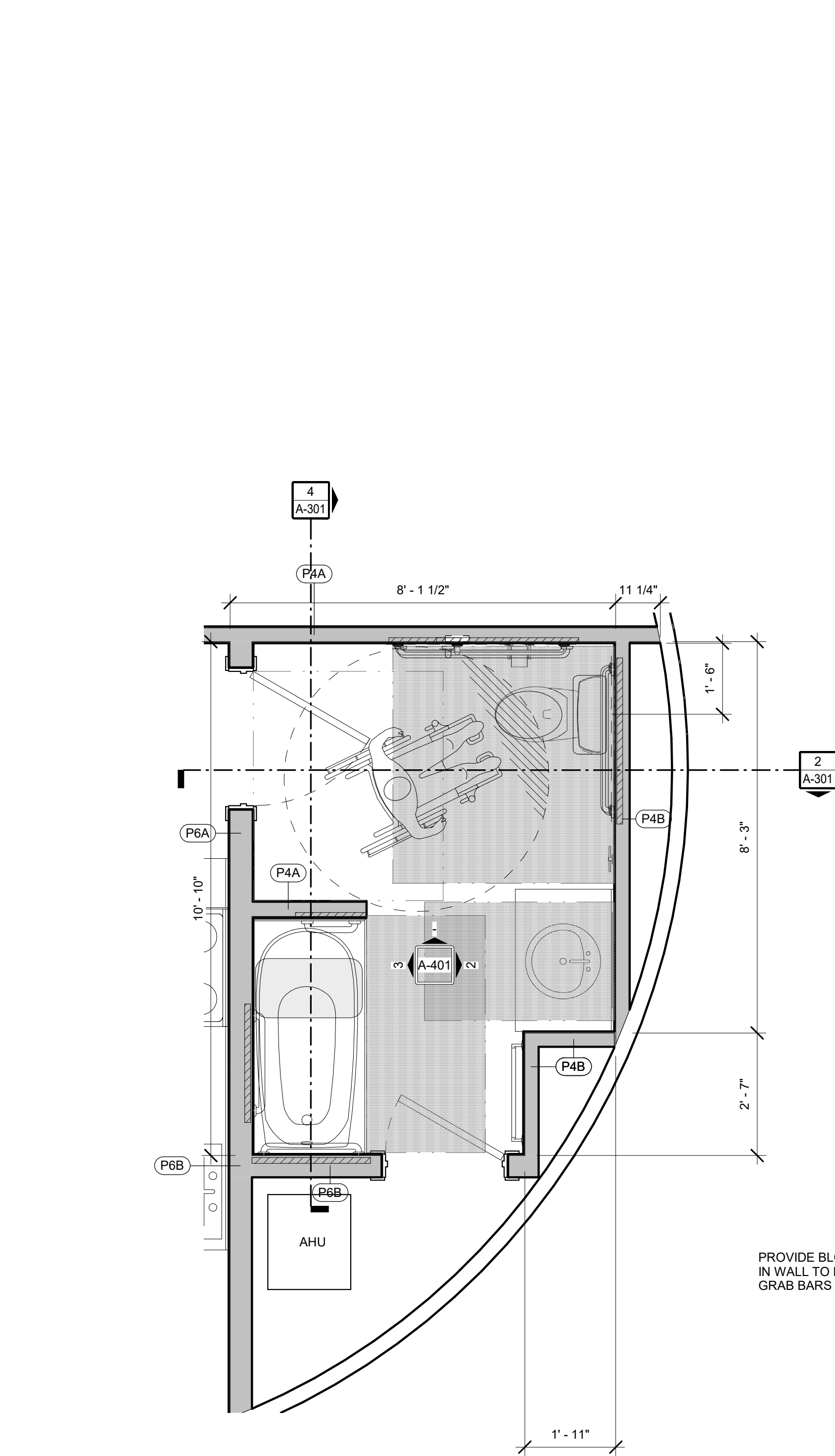


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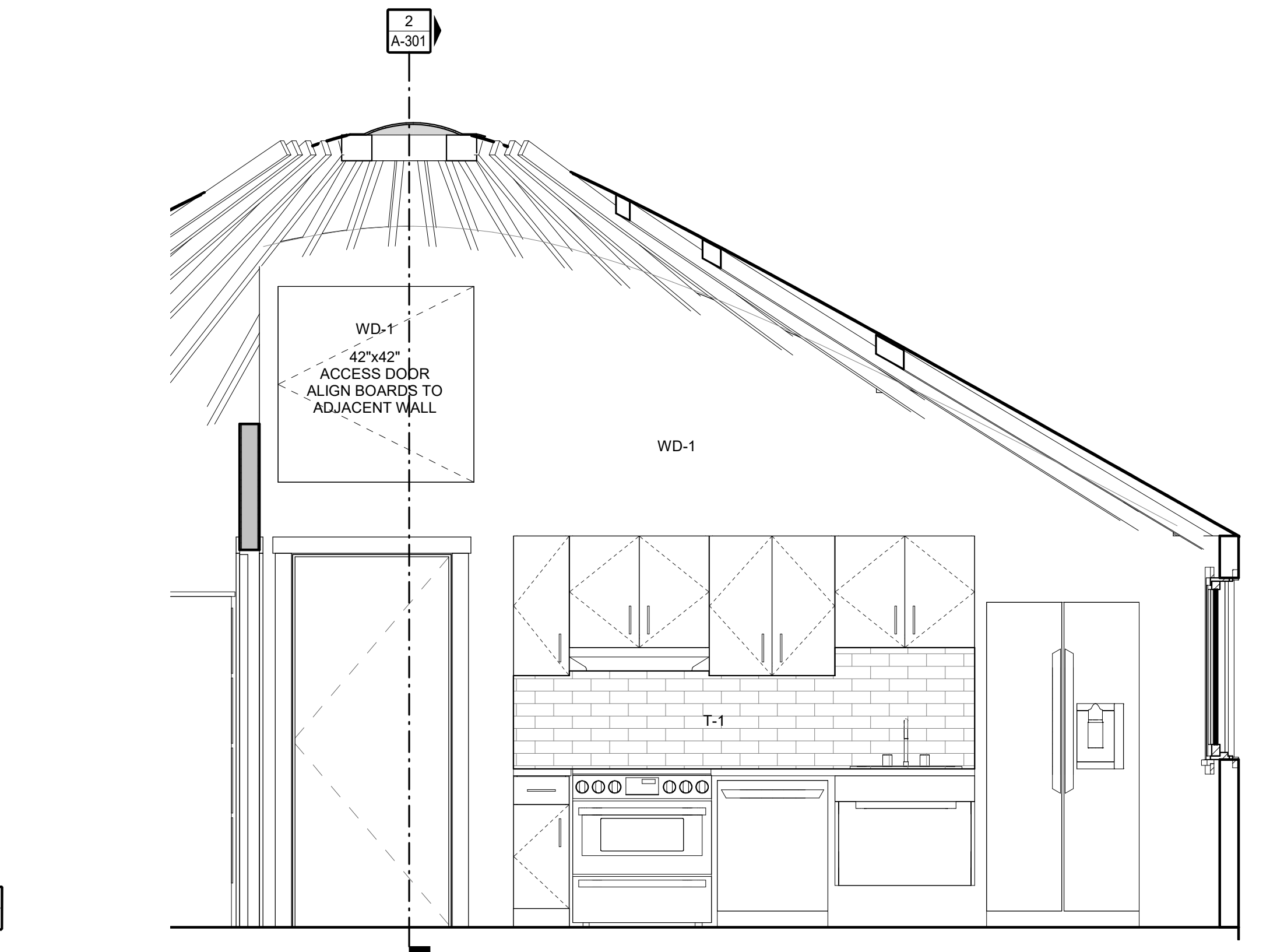


2 OVERALL SECTION
A-302 scale: 1/4" = 1'-0"

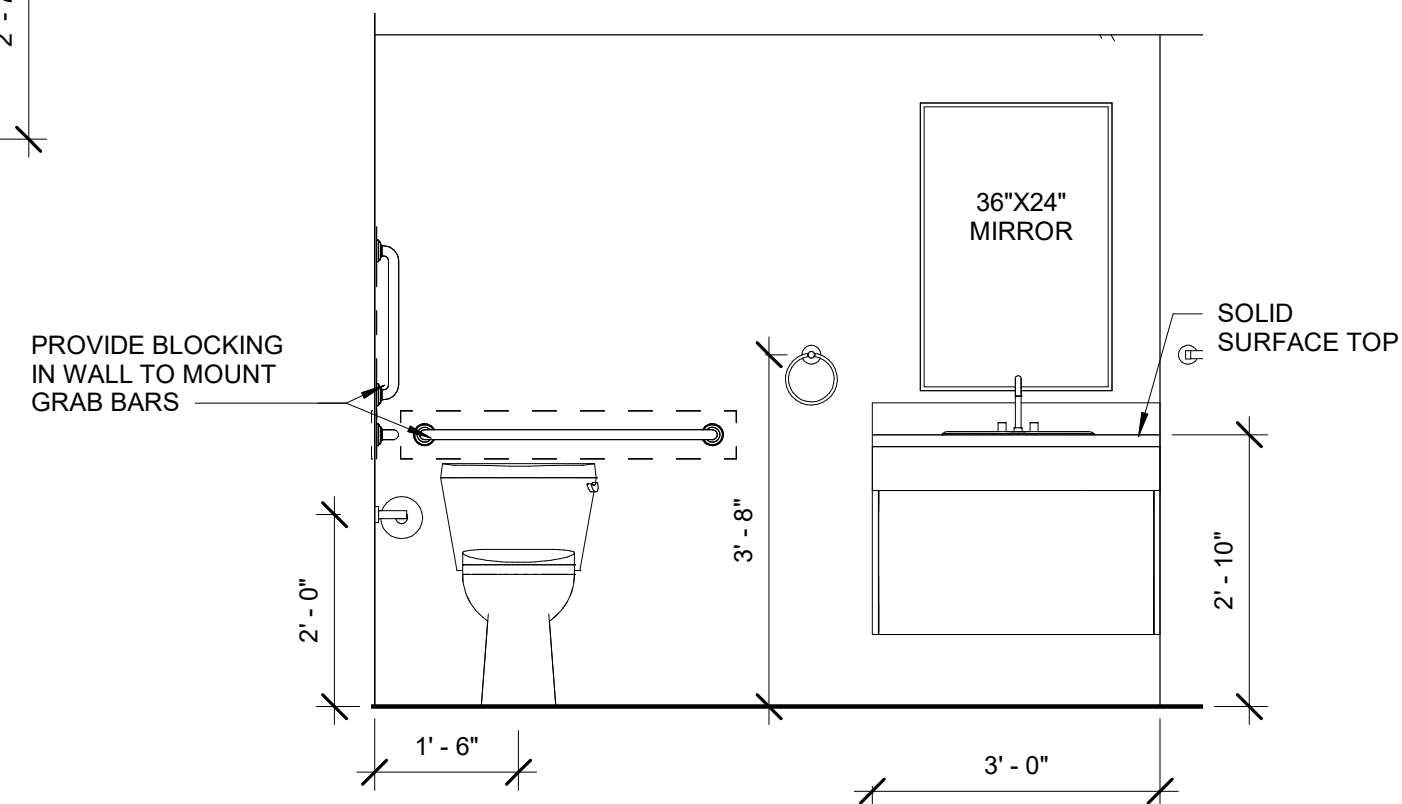




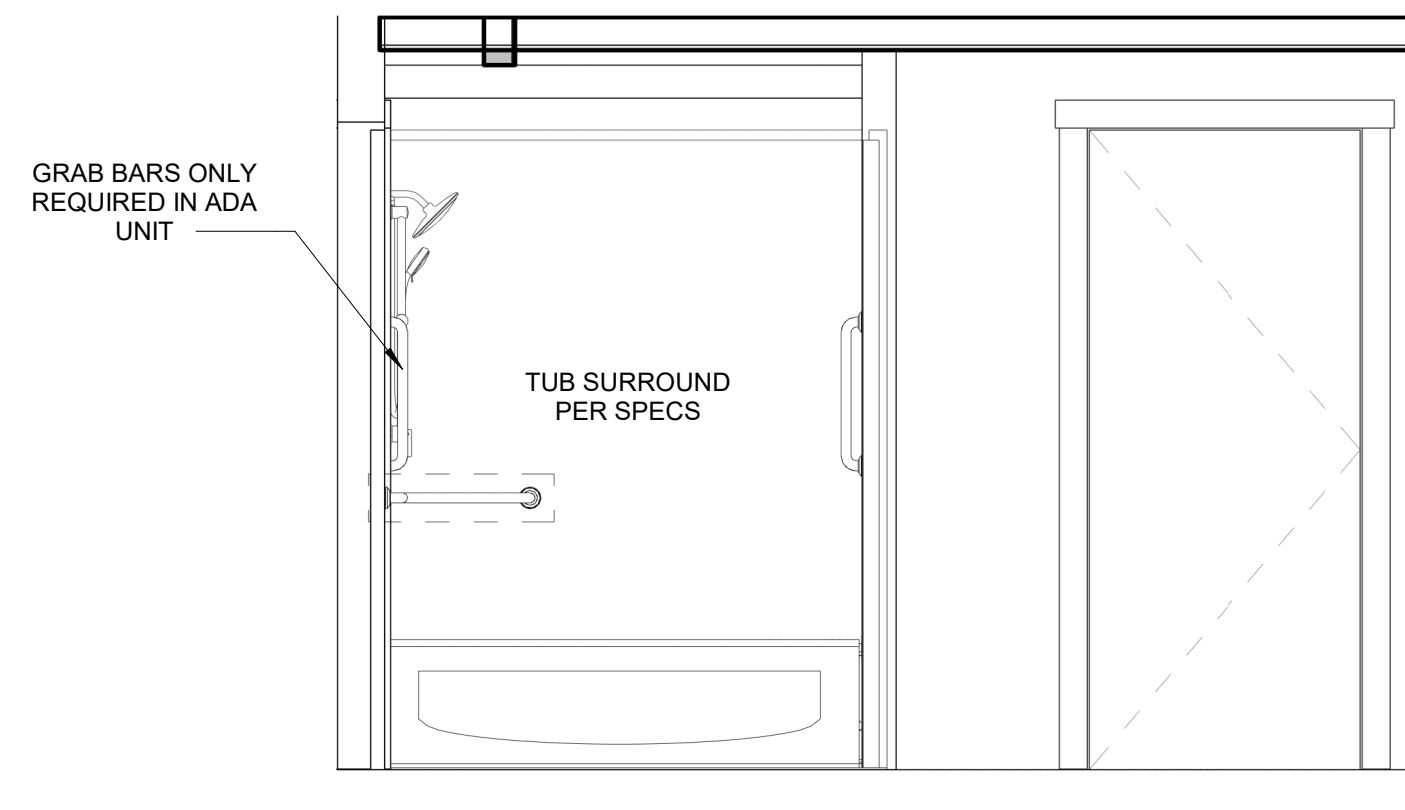
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A-401 ENLARGED BATHROOM PLAN
scale: 1/2" = 1'-0"



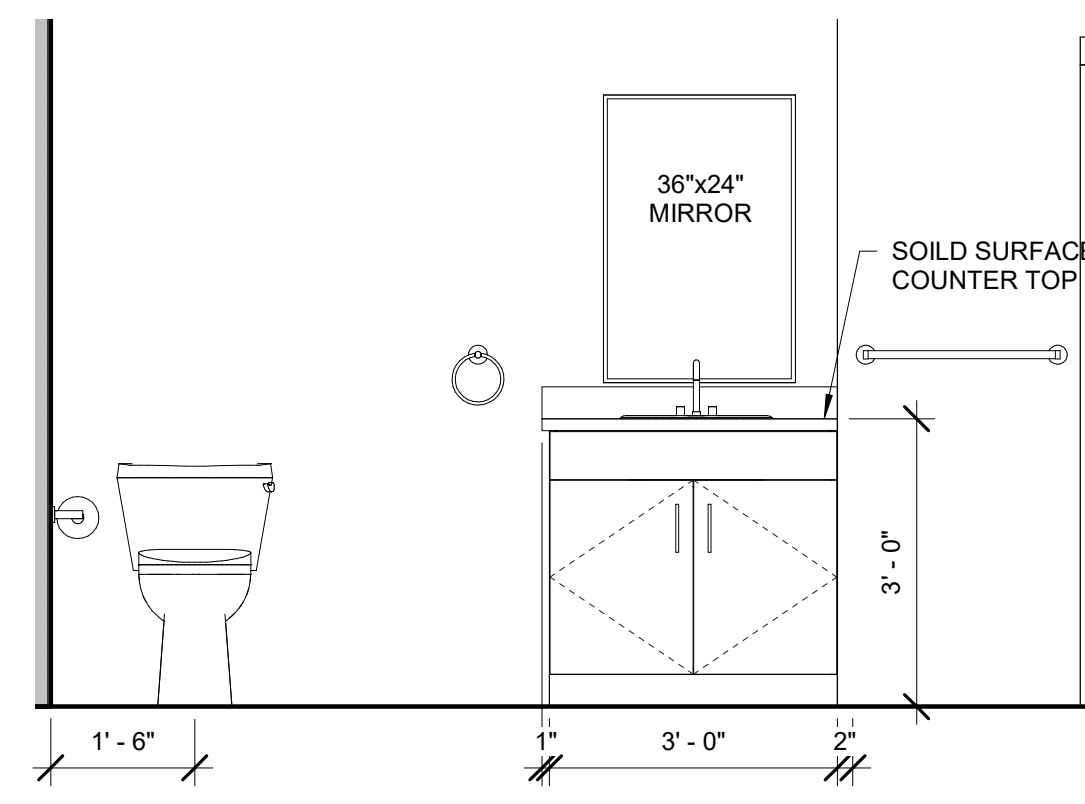
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A-401 KITCHEN ELEVATION TYP.
scale: 1/2" = 1'-0"



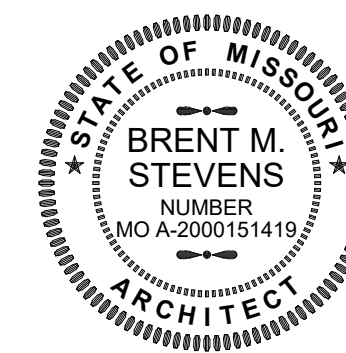
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A-401 BATHROOM ELEVATION- ADA
scale: 1/2" = 1'-0"

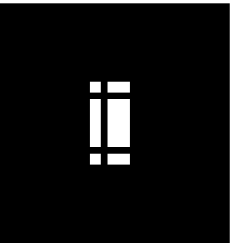


3
A-401 BATHROOM ELEVATION
scale: 1/2" = 1'-0"



4
A-401 BATHROOM ELEVATION
scale: 1/2" = 1'-0"



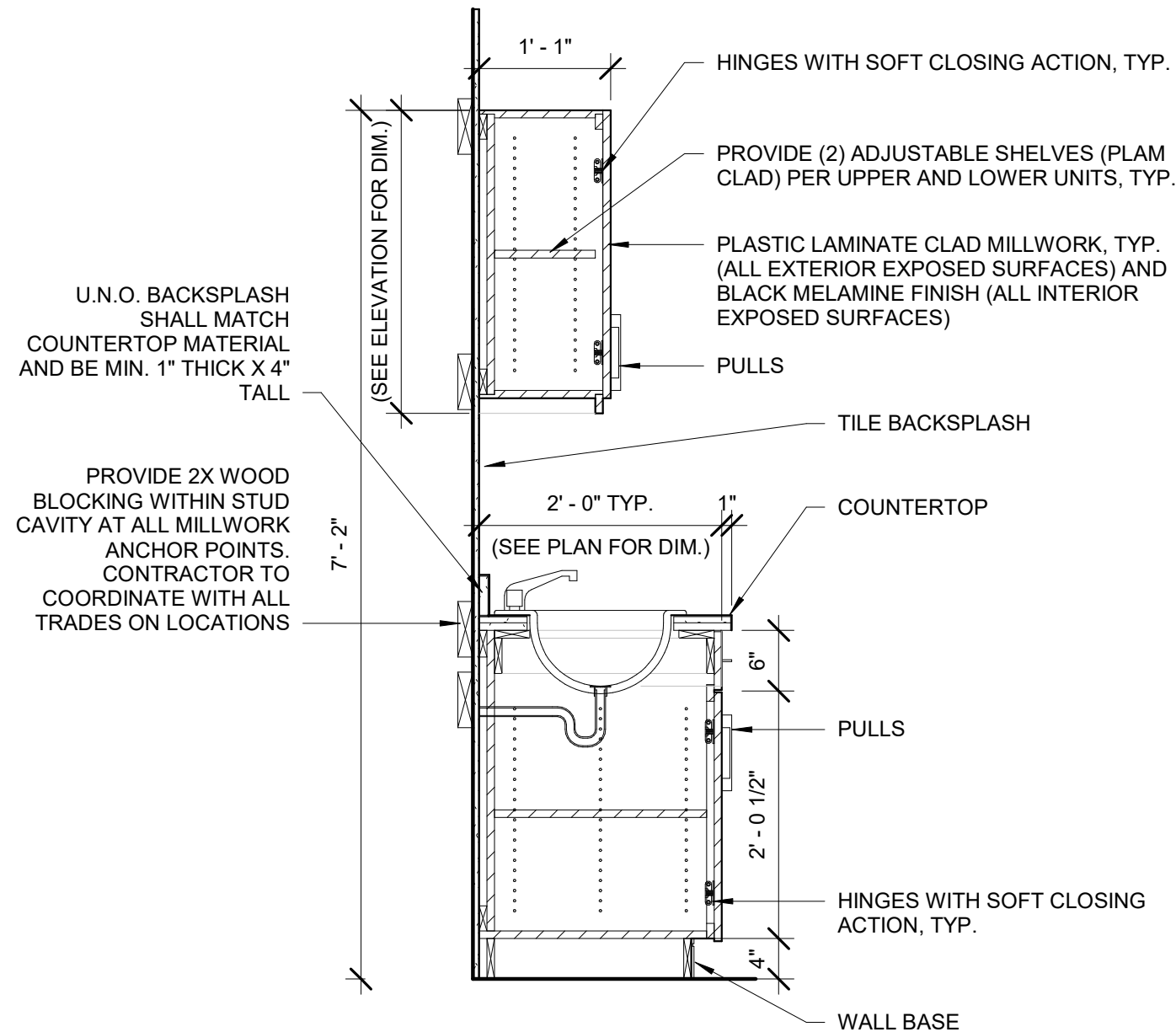


GENERAL NOTES - APPLIANCES

- ALL APPLIANCES HAVE BEEN DESIGNED AROUND INDUSTRY STANDARD CABINET DEPTH AND STANDARD APPLIANCE DIMENSIONS. COORDINATE WITH OWNER(S) ON ANY VARIANCES IN APPLIANCE DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION OF MILLWORK. COORDINATE PRIOR TO SHOP DRAWING SUBMISSION.

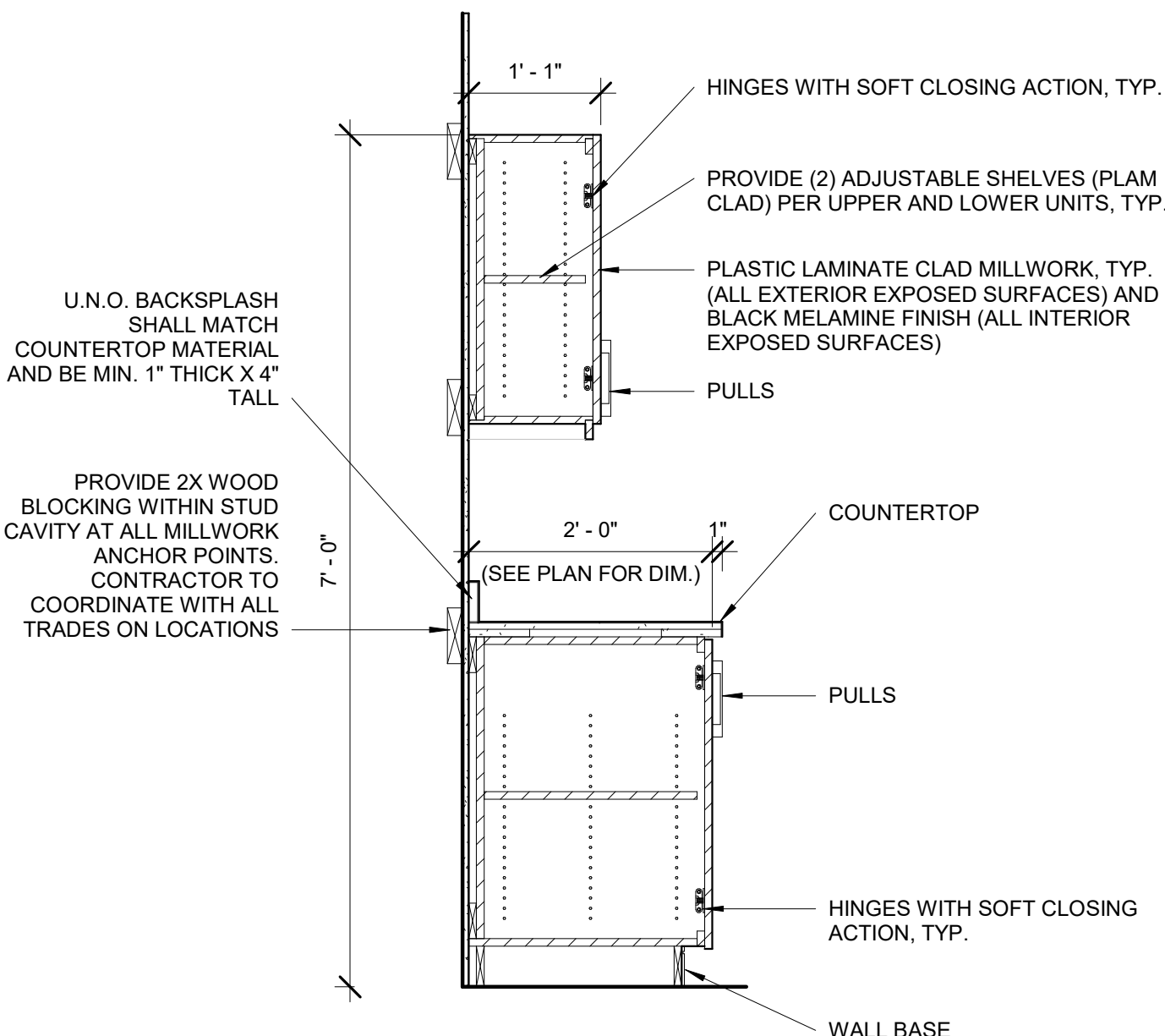
GENERAL NOTES - MILLWORK

- COORDINATE FINAL FINISHES AND CABINETRY DETAILS WITH ARCHITECT PRIOR TO FABRICATION. IF THERE IS A DISCREPANCY BETWEEN DETAILS, PLEASE NOTIFY ARCHITECT PRIOR TO FABRICATION
- REFER TO INTERIOR FINISH PLAN FOR ROOM FINISH SCHEDULE, MATERIALS LEGEND AND ADDITIONAL WALL AND FLOOR FINISH INFORMATION
- CONSTRUCT WALLS WITH ROUGH OPENINGS AS NEEDED FOR SIZES OF MILLWORK INDICATED
- INSTALL MATCHING WOOD SCRIBE AT ALL MILLWORK/WALL JOINTS
- INSTALL MATCHING WOOD QUARTER ROUND BASE SHOE AT ALL TOEKICK & END PANEL / FINISH FLOOR JOINTS. TOEKICKS TO MATCH MILLWORK FINISH
- PRIOR TO FABRICATION OF CASEWORK, CONTRACTOR SHALL FIELD VERIFY ACTUAL FINISH WALL DIMENSIONS
- PROVIDE FINISHED SURFACES ON MILLWORK & COUNTERTOPS WHERE EXPOSED TO VIEW
- UTILIZE 2X WOOD BLOCKING AS REQUIRED FOR INSTALLATION OF MILLWORK WHERE INDICATED AND AS NEEDED FOR SECURE ANCHOR TO WALLS
- CONTINUOUS CAULK AROUND ALL FIXTURES AT FLOORS, WALLS, ETC.
- PROVIDE 1/4" GAP BETWEEN ALL DOORS, DRAWERS, LATERAL FILE, AND OTHER MOVABLE PIECES OF MILLWORK
- COUNTERTOPS TO BE SOLID SURFACE MATERIAL PER SPEC IN ALL PUBLIC AREAS AND WET AREAS.
- ALL HARDWARE TO BE OIL RUBBED BRONZE FINISH.



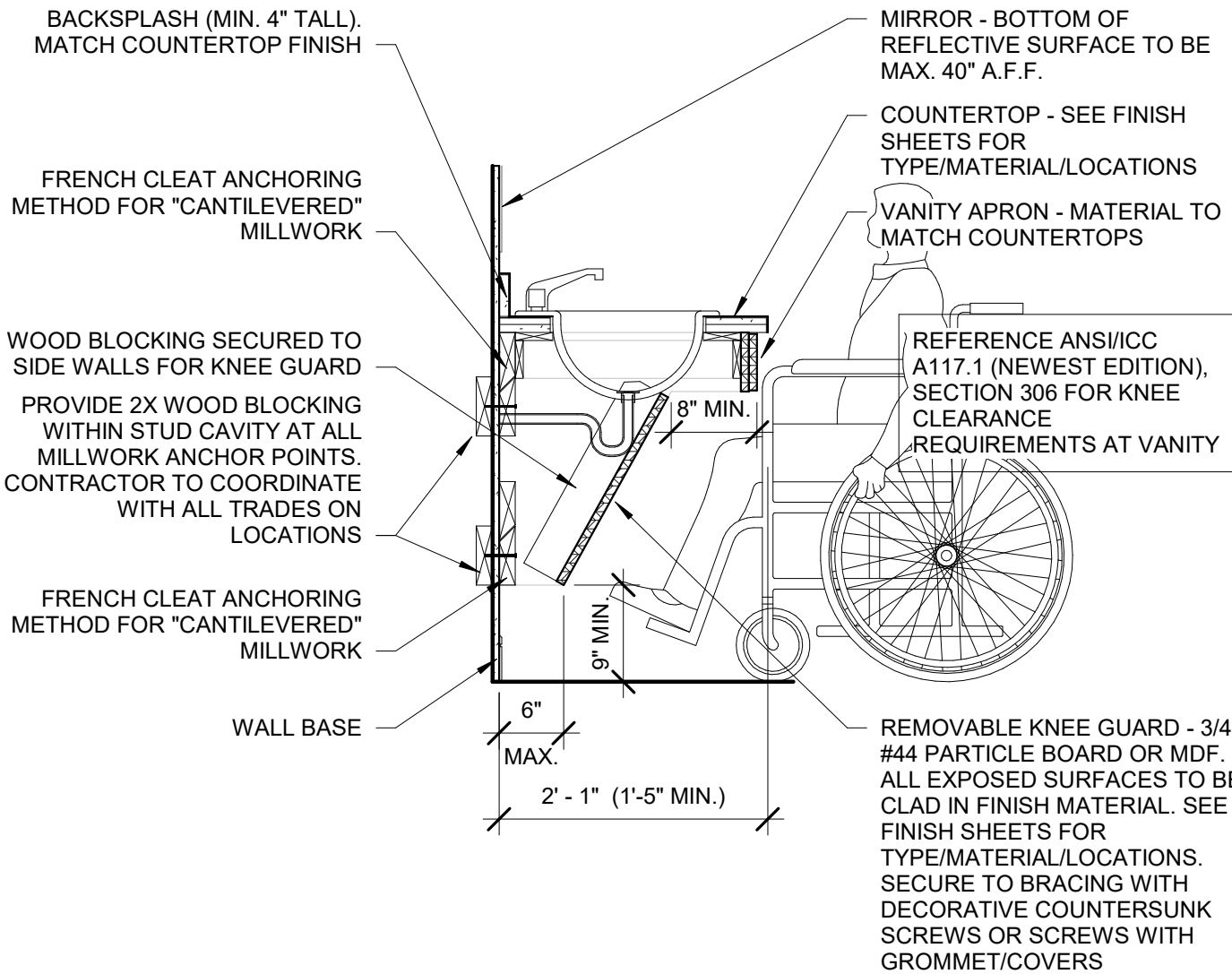
3 MILLWORK SECTION

A-402 scale: 3/4" = 1'-0"



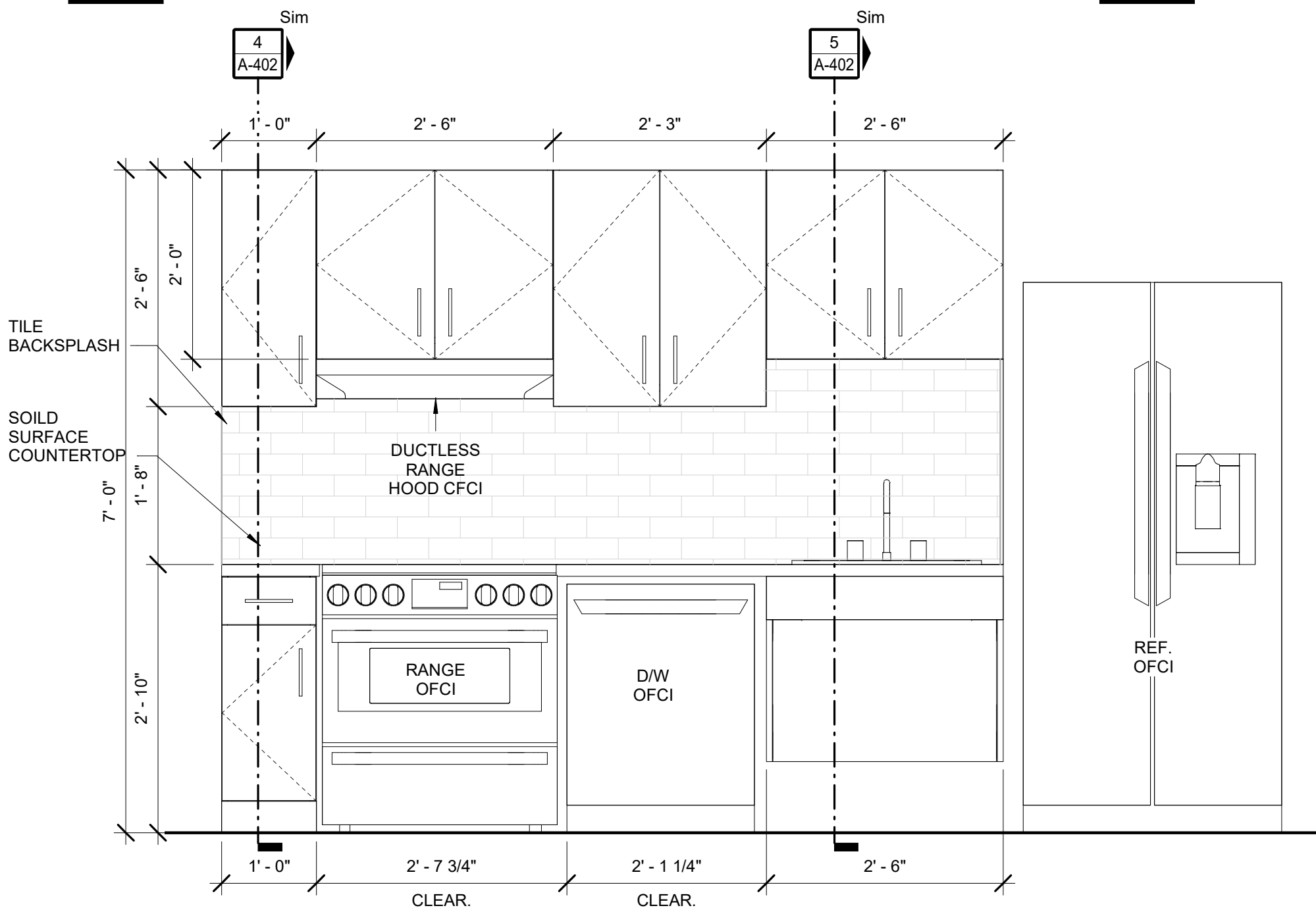
4 MILLWORK SECTION

A-402 scale: 3/4" = 1'-0"



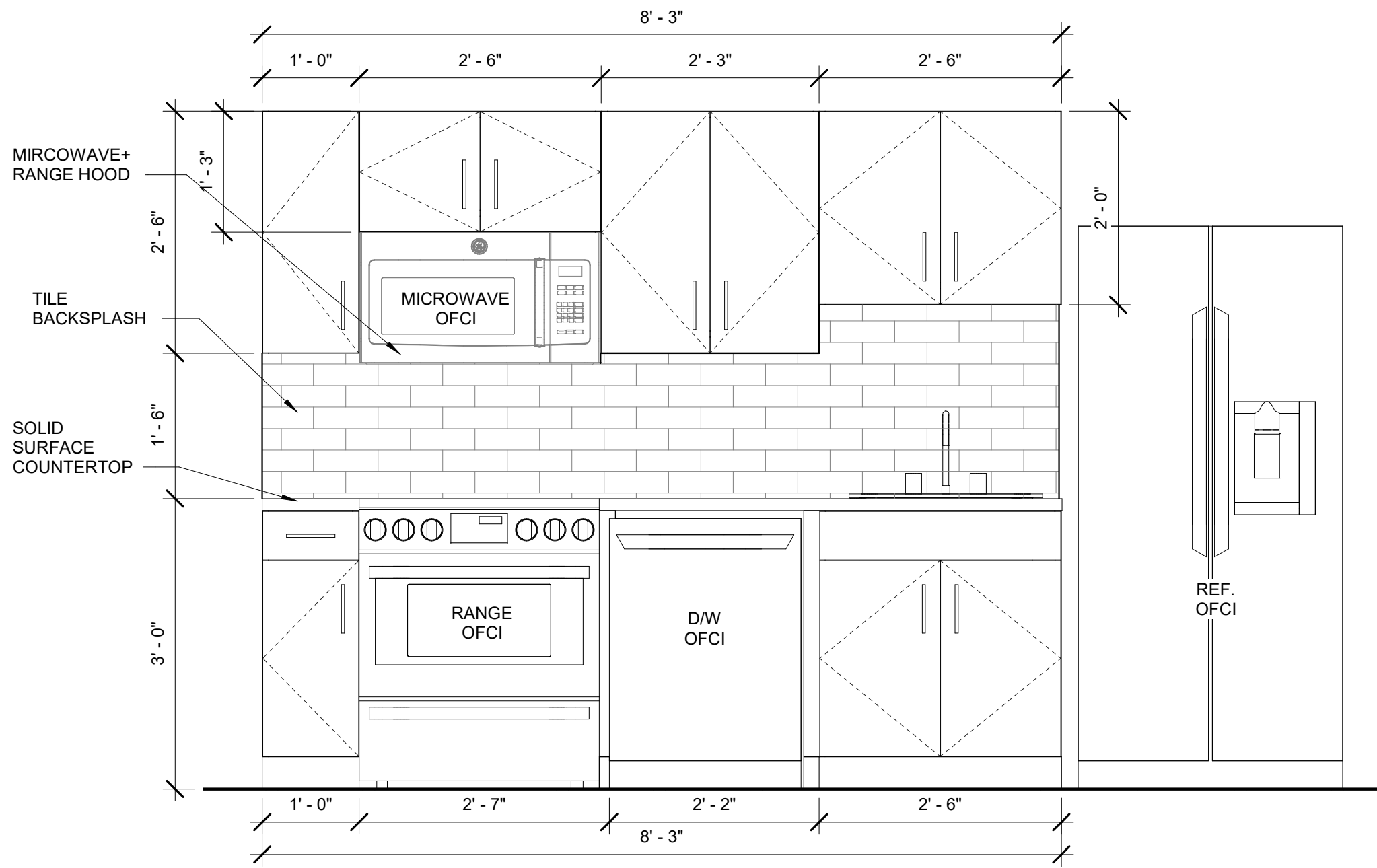
5 MILLWORK SECTION

A-402 scale: 3/4" = 1'-0"



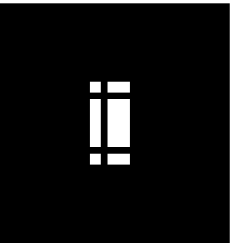
1 ADA KITCHEN ELEVATION

A-402 scale: 3/4" = 1'-0"



2 KITCHEN ELEVATION

A-402 scale: 3/4" = 1'-0"

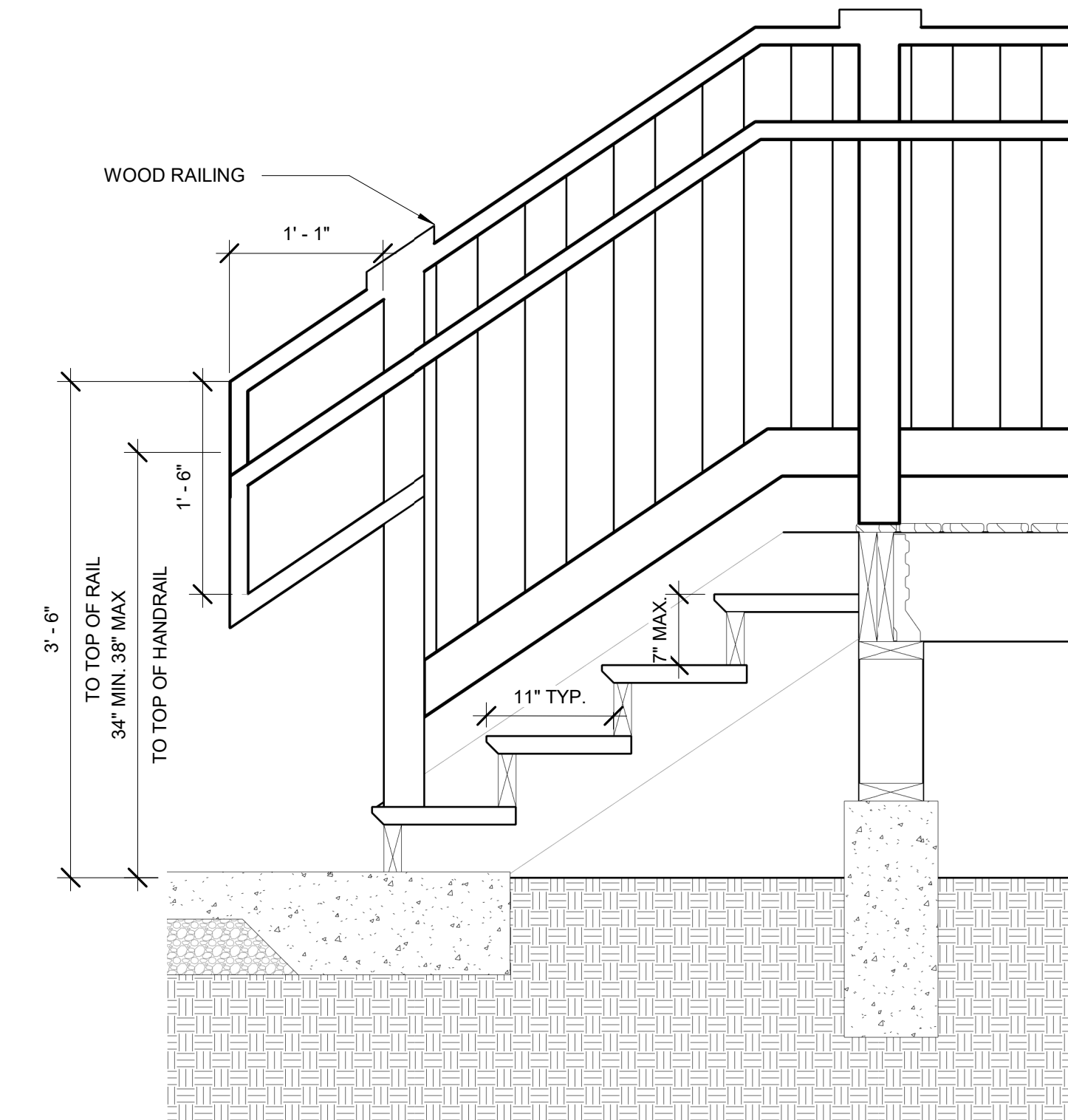


KEYNOTE LEGEND

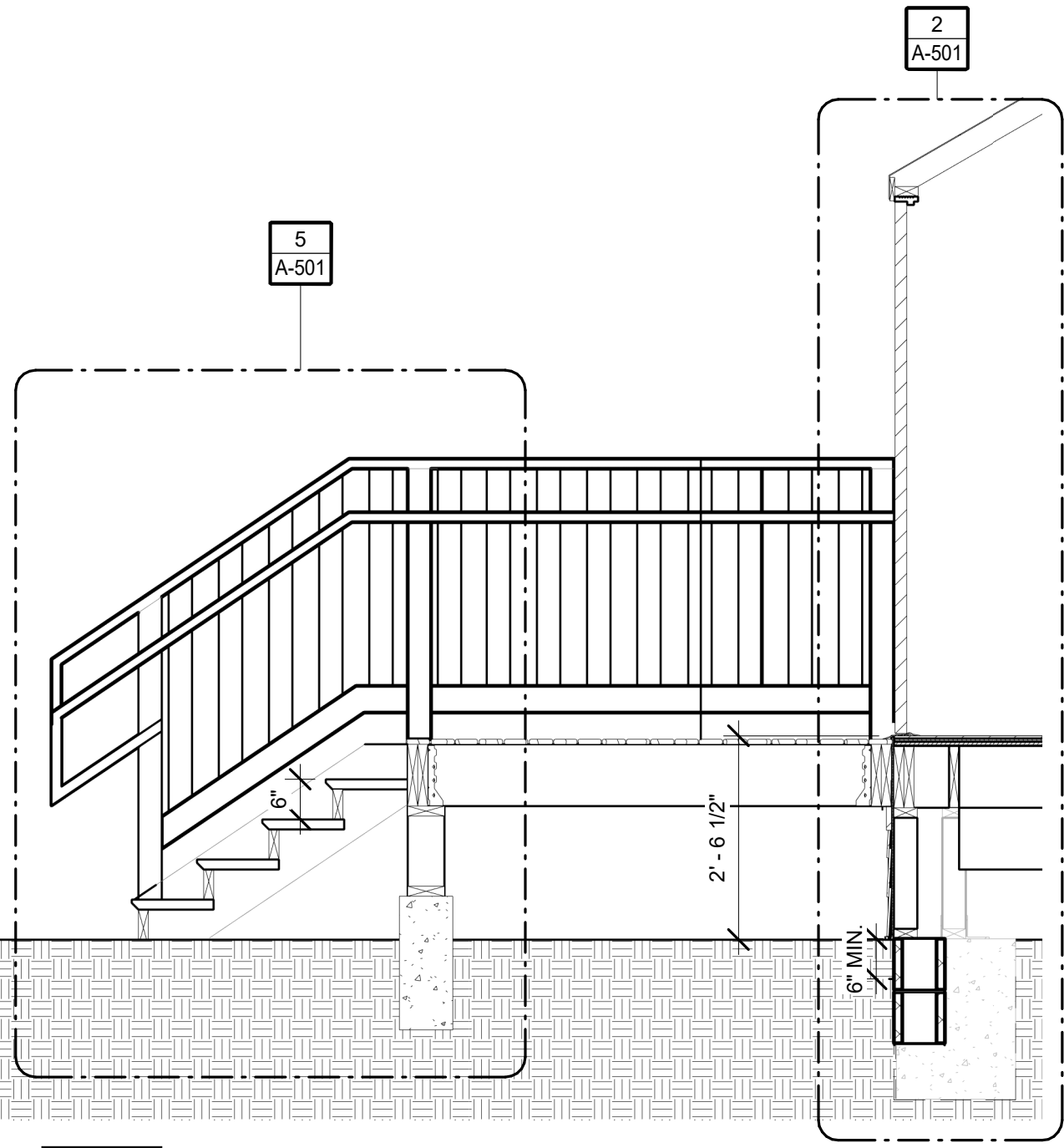
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03.31.F	CAST-IN-PLACE CONCRETE WALL PER STRUCTURAL. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
03.31.G	CAST-IN-PLACE CONCRETE FOOTING PER STRUCTURAL. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
04.22.D	CONCRETE UNIT MASONRY, 8"x8"x16", 2-CORE, WITH FULLY GROUTED CORES. SEE STRUCTURAL DRAWINGS/SPECIFICATIONS FOR MORE INFORMATION.
06.05.F	ENGINEERED JOIST HANGER CONNECTOR. SEE STRUCTURAL FOR MORE INFORMATION.
06.11.B	2x4 FRAMING. SEE STRUCTURAL FOR MORE INFORMATION INCLUDING SPECIES, DETAILS, SPACING, AND MORE INFORMATION.
06.11.K	2X WOOD FRAMING - USE TREATED WOOD BLOCKING IN EXTERIOR OR WET APPLICATIONS. SEE STRUCTURAL FOR MORE INFORMATION INCLUDING SPECIES, DETAILS, SPACING, AND MORE INFORMATION.
06.11.Q	CONTINUOUS 2X RIM BOARD - USE TREATED WOOD BLOCKING IN EXTERIOR OR WET APPLICATIONS. SEE STRUCTURAL FOR MORE INFORMATION INCLUDING SIZE, SPECIES, DETAILS, SPACING, AND MORE INFORMATION.
06.16.L	1/2" EXTERIOR GRADE PLYWOOD SHEATHING.
06.16.M	5/8" EXTERIOR GRADE PLYWOOD SHEATHING.
06.16.N	3/4" EXTERIOR GRADE PLYWOOD SHEATHING.
07.20	YURT SURROUND PER YURT MANUFACTURE.
07.21.A	SOUND BATT INSULATION, ENTIRE CAVITY, TYPICAL AT ALL INTERIOR WALLS, UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR MORE INFORMATION.
07.21.AK	2-1/2" RIGID INSULATION. SEE SPECIFICATIONS FOR MORE INFORMATION.
07.27.C	FLUID-APPLIED WEATHER RESISTIVE BARRIER (WRB) SYSTEM. SEE SPECIFICATIONS FOR MORE INFORMATION. SYSTEM JOINT/CORNER TAPE TO BE APPLIED AT ALL PANEL JOINTS, SILL/JAMBS/HEADS OF ALL OPENINGS, AT INSIDE/OUTSIDE CORNERS, PENETRATIONS, AND AT ALL MANUFACTURER REQUIRED LOCATIONS. SYSTEM TO WRAP OVER ANY PARAPET, AND SYSTEM TO PROVIDE A CONTINUOUS BUILDING ENVELOPE.
07.46.A	FIBER-REINFORCED CEMENT HORIZONTAL SIDING (PROFILE 1) WITH INTEGRAL COLOR. SEE SPECIFICATIONS FOR MORE INFORMATION. SEE ELEVATION SHEETS FOR LOCATION OF TRIM/JOINTS.
07.46.G	FIBER-REINFORCED CEMENT TRIM BOARD, 4" EXPOSED FACE. SEE SPECIFICATIONS FOR MORE INFORMATION.
07.62.A	PREFORMED, PREFINISHED ALUMINUM FLASHING. SEE SPECIFICATIONS AND DETAILS FOR MORE INFORMATION. ALL EXPOSED EDGES TO BE HEMMED.
07.62.P	PREFORMED, PREFINISHED BASE + COUNTER FLASHING WITH INTEGRAL DRIPS TO COVER CONTINUOUS CLEAT. PROVIDE MINIMUM INDICATED VERTICAL LEG. ALL EXPOSED EDGES TO BE HEMMED. SEE DETAIL SHEETS (ALL DISCIPLINES) FOR MORE INFORMATION.
07.95.K	FIBROUS EXPANSION JOINT FILLER.
08.14.A	WOOD DOOR/FRAME ASSEMBLY. SEE DETAILS, SPECIFICATIONS, AND A3 SERIES SHEETS FOR MORE INFORMATION.
08.71.K	THRESHOLDS. SEE DOOR HARDWARE SCHEDULE, SPECIFICATIONS, DETAILS, AND A3 SERIES SHEETS FOR MORE INFORMATION.
09.60	FLOORING
09.64.A	HARDWOOD FLOORING. SEE FINISH PLANS, FINISH SCHEDULE, DETAILS, AND/OR SPECIFICATIONS FOR MORE INFORMATION.
09.72.B	VINYL WALLCOVERING. SEE FINISH PLANS, FINISH SCHEDULE, DETAILS, AND/OR SPECIFICATIONS FOR MORE INFORMATION.
09.77.D	3/8" KNOTTY PINE BEAD BOARD.
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31.23.E	COMPACTED GRAVEL SUB-BASE. SEE CIVIL, STRUCTURAL, AND ARCHITECTURAL DETAIL SHEETS AND SPECIFICATIONS FOR MORE INFORMATION.

GENERAL NOTES - RAILINGS

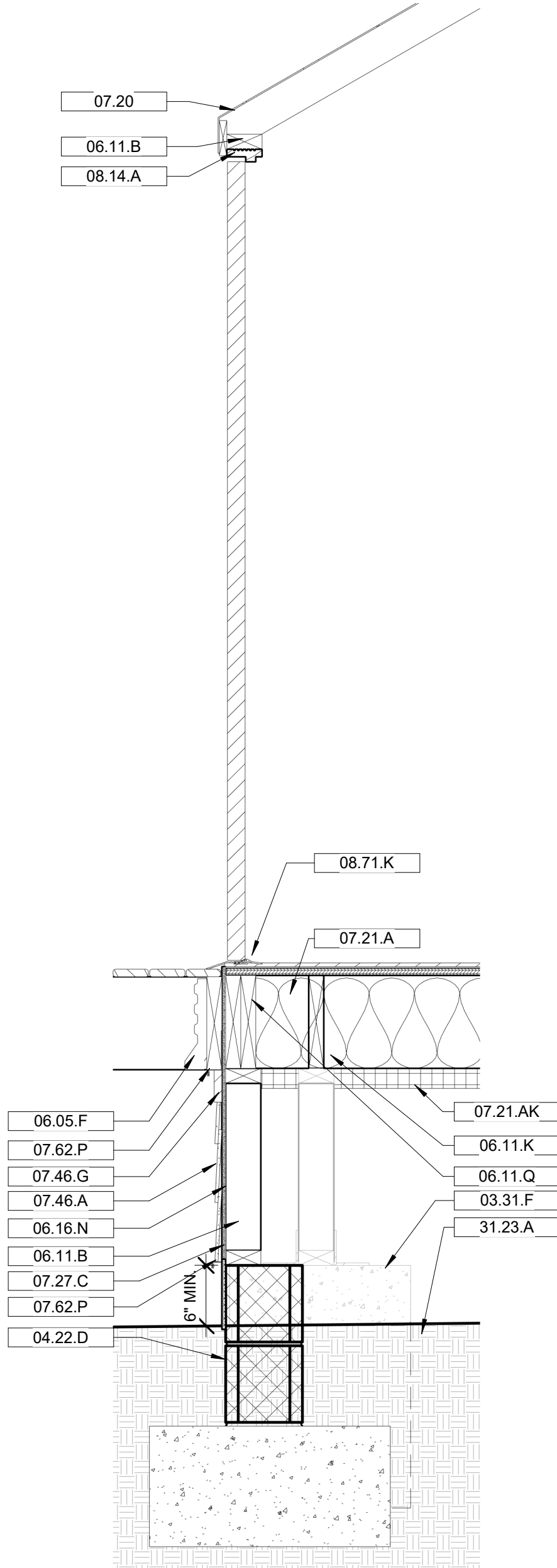
- TREAD & RISER:** STAIR RISER HEIGHTS SHALL BE 7 INCHES MAXIMUM AND 4" MINIMUM AND SHALL BE OF UNIFORM SIZE & SHAPE. STAIR TREAD DEPTHS SHALL BE 11" MINIMUM. THE RADIUS AT THE CURVATURE OF THE LEADING EDGE OF THE TREAD SHALL BE NOT GREATER THAN 1/2". BEVELING OF NOSINGS SHALL NOT EXCEED 1/2". RISERS SHALL BE SOLID AND VERTICAL OR SLOPED FROM THE UNDERSIDE OF THE LEADING EDGE OF THE TREAD ABOVE AT AN ANGLE NOT MORE THAN 30 DEGREES FROM THE VERTICAL. THE LEADING EDGE (NOSINGS) OF TREADS SHALL PROJECT NOT MORE THAN 1.25 INCHES BEYOND THE TREAD BELOW AND ALL PROJECTIONS OF THE LEADING EDGES SHALL BE OF UNIFORM SIZE, INCLUDING THE LEADING EDGE OF THE FLOOR AT THE TOP OF A FLIGHT.
- HANDRAILS:** STAIRS SHALL HAVE HANDRAILS ON EACH SIDE AT A UNIFORM HEIGHT OF 34" TO 38" ABOVE STAIR TREAD NOSINGS. HANDRAILS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF AT LEAST 1.25 INCHES AND NOT GREATER THAN 2 INCHES. IF THE HANDRAIL IS NOT CIRCULAR, IT SHALL HAVE A PERIMETER DIMENSIONS OF AT LEAST 4 INCHES AND NOT GREATER THAN 6.25 INCHES WITH A MAXIMUM CROSS-SECTION DIMENSIONS OF 2.25 INCHES. EDGES SHALL HAVE A MINIMUM RADIUS OF 0.125 INCHES. HANDRAILS SHALL RETURN TO A WALL AND SHALL EXTEND HORIZONTALLY AT LEAST 12 INCHES BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER. CLEAR SPACE BETWEEN A HANDRAIL AND A WALL SHALL NOT EXCEED 4.5 INCHES AT OR BELOW THE HANDRAIL HEIGHT AND SHALL NOT BE LESS THAN 1.5 INCHES.
- WIDTH:** STAIRWAY WIDTH SHALL NOT BE LESS THAN 44" CLEAR.



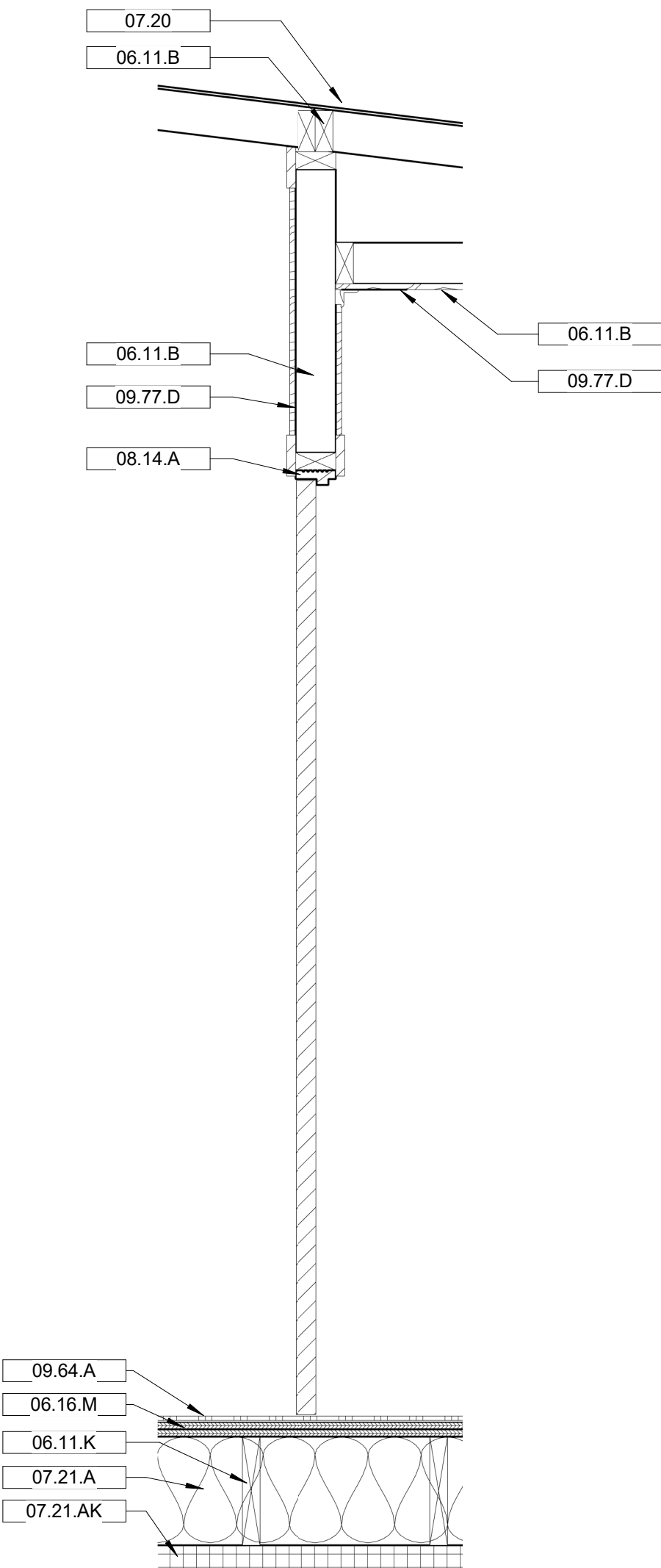
5
A-501
DETAIL
scale: 1" = 1'-0"



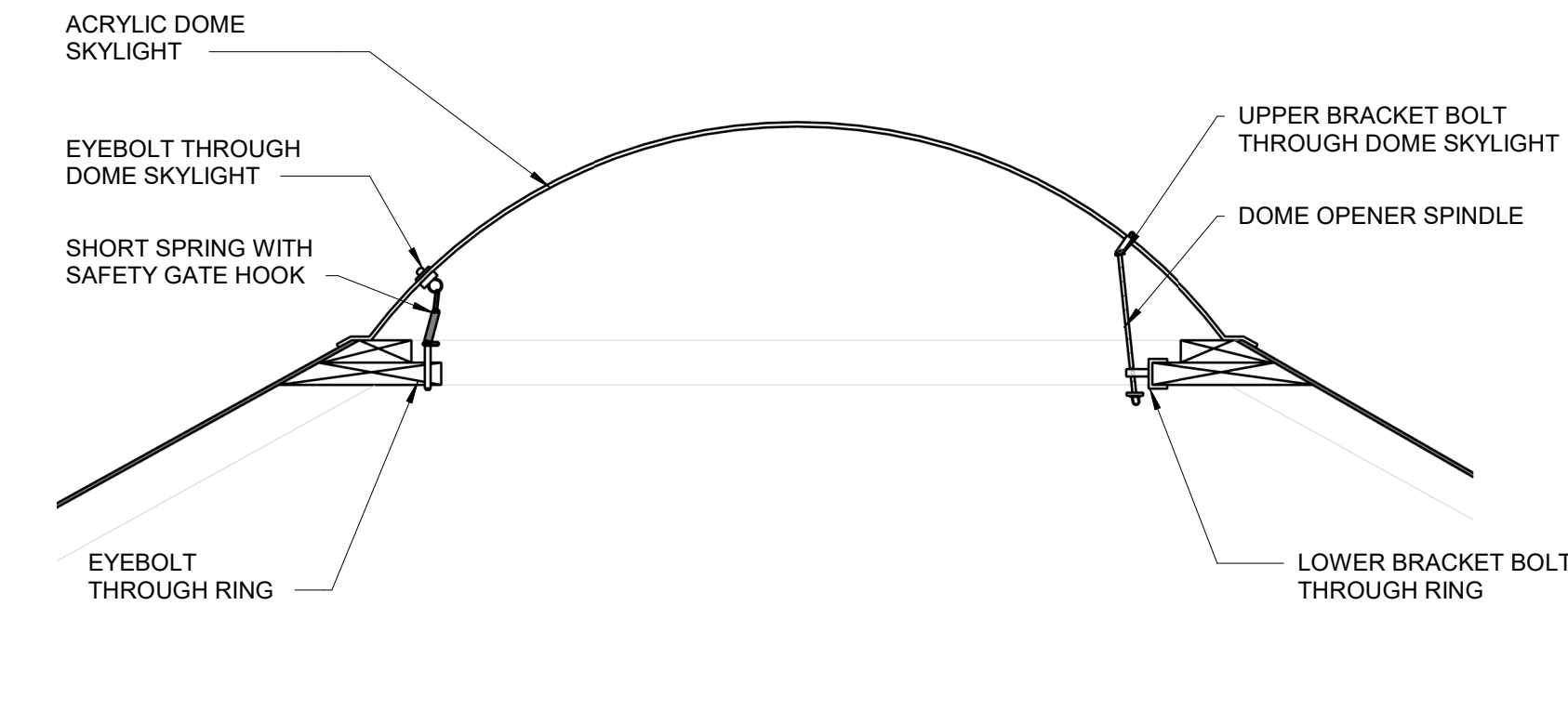
1
A-501
WALL SECTION - RAISED PLATFORM
scale: 1/2" = 1'-0"



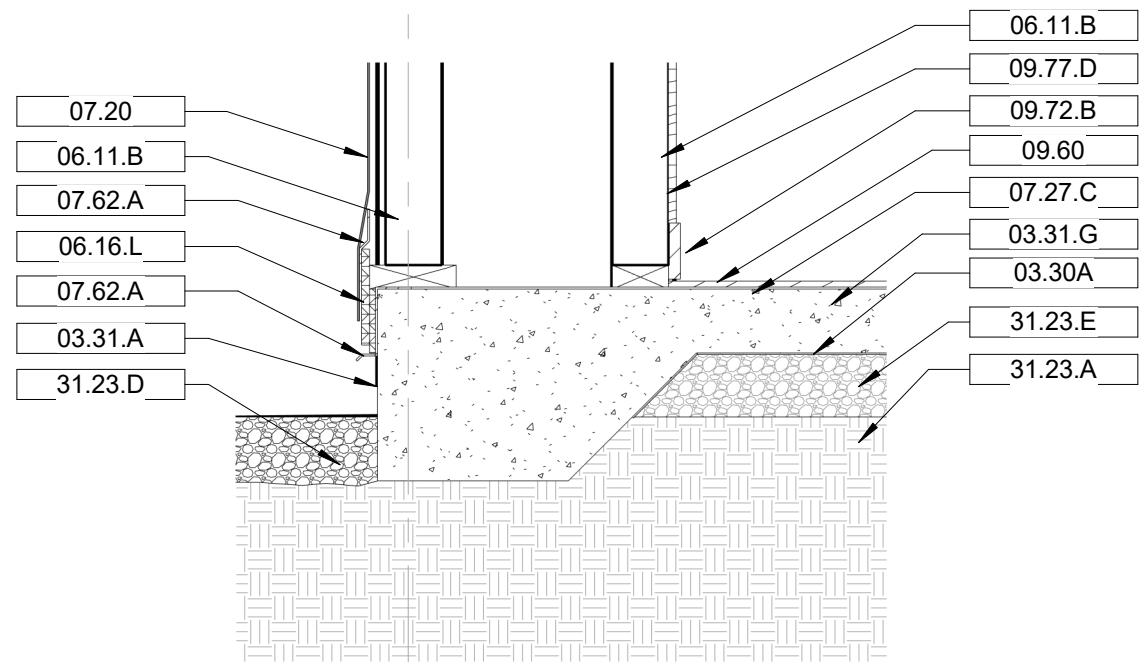
2
A-501
DETAIL - RAISED PLATFORM
scale: 1" = 1'-0"



3
A-501
DETAIL - RAISED PLATFORM
scale: 1" = 1'-0"

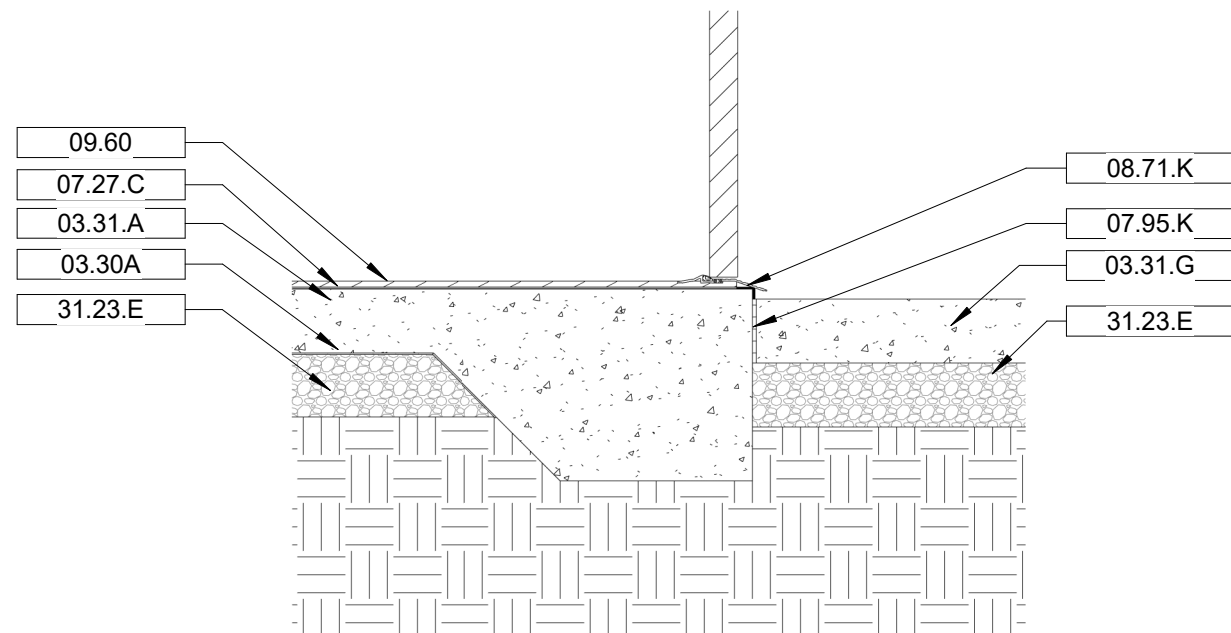


4
A-501
DETAIL
scale: 1" = 1'-0"



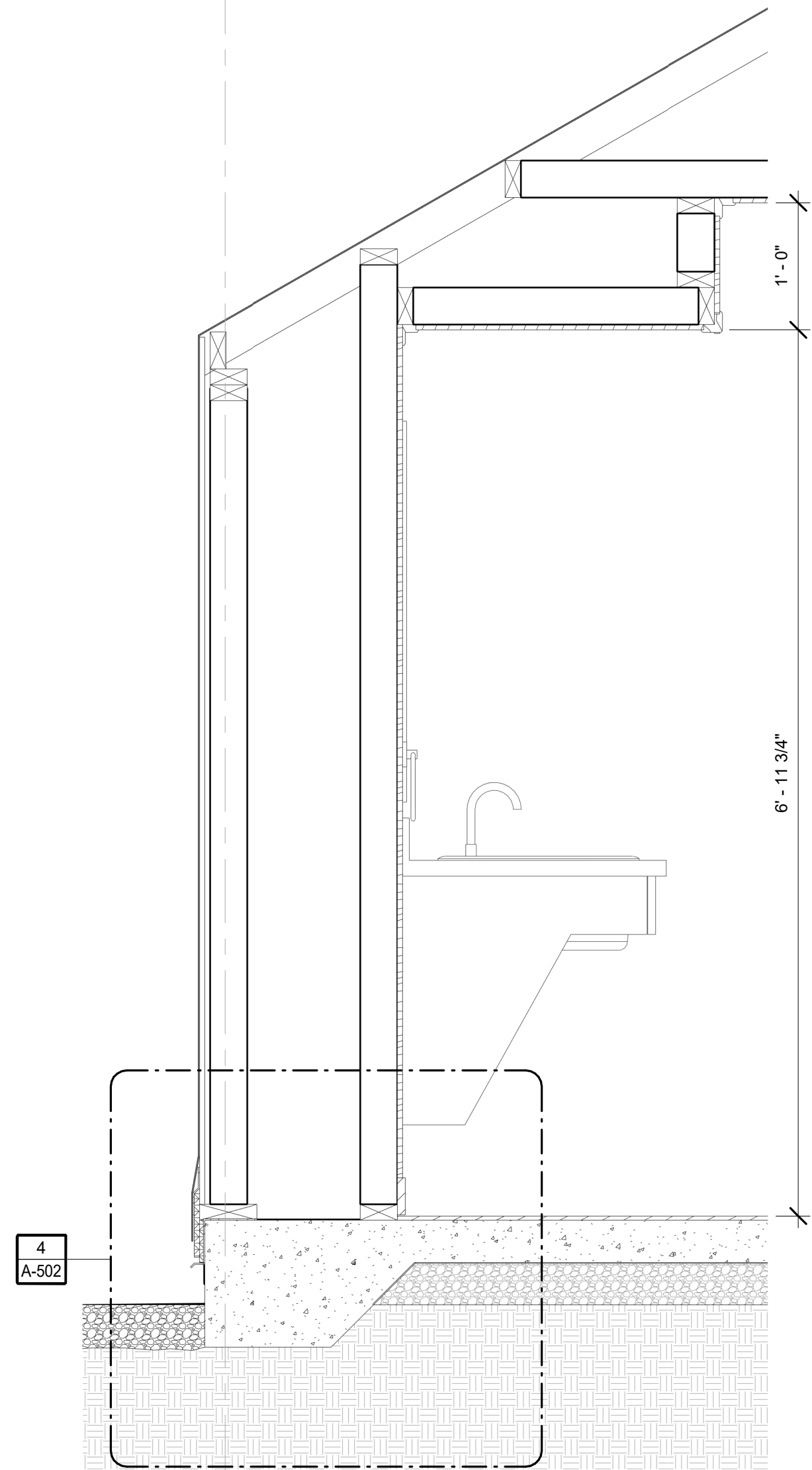
4
A-502

DETAIL
scale: 1" = 1'-0"



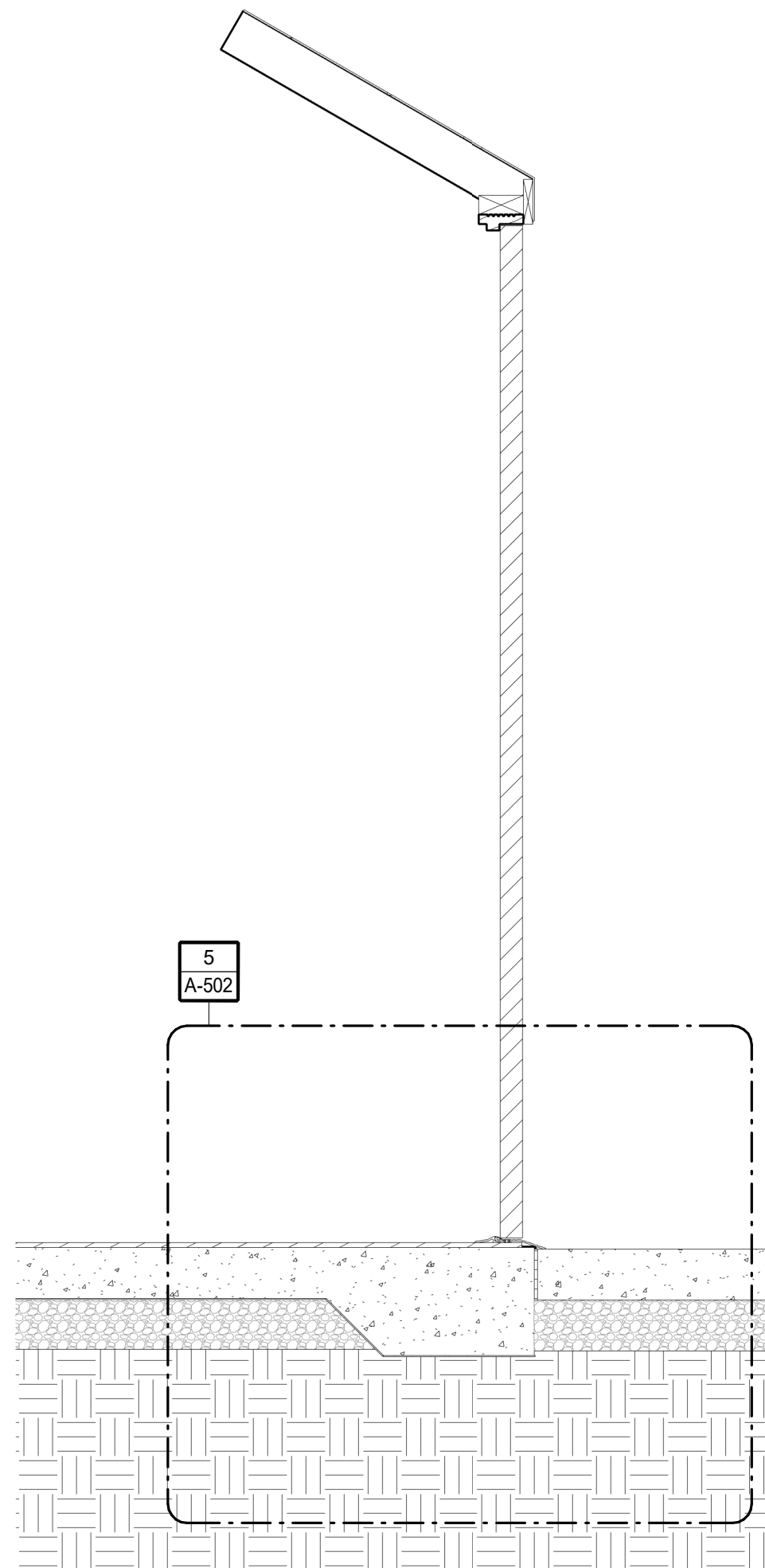
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A-502

DETAIL
scale: 1" = 1'-0"



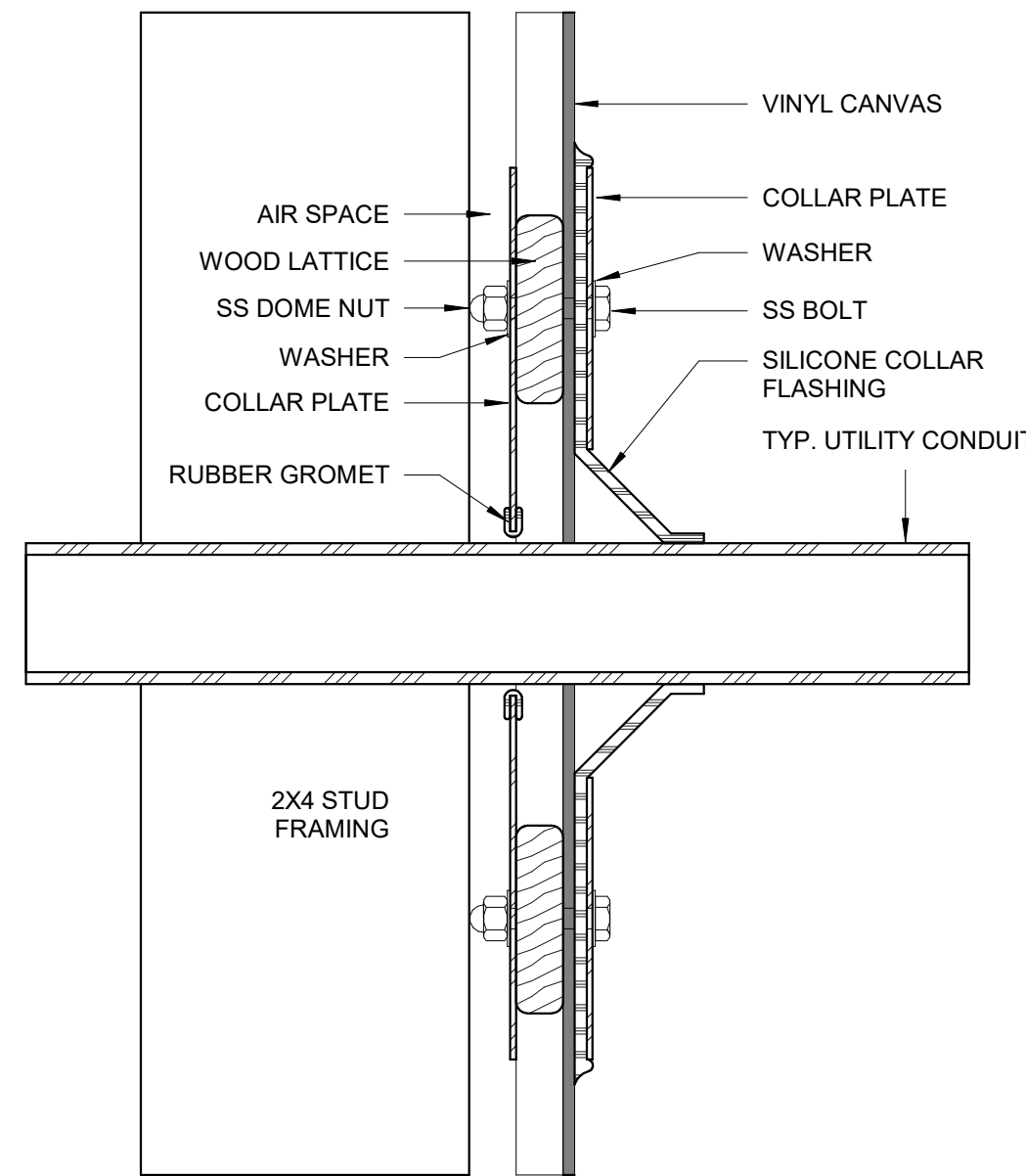
1
A-502

WALL SECTION
scale: 1" = 1'-0"



2
A-502

WALL SECTION
scale: 1" = 1'-0"



3
A-502

TYP. EXTERIOR WALL PENETRATION
scale: 6" = 1'-0"

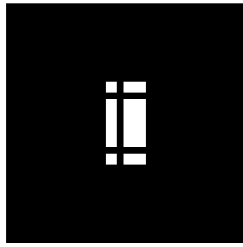
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STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



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architecture + design



5035 S National Avenue Springfield, MO 65810 | 417.887.6595

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 7815603018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: JANUARY 17, 2023

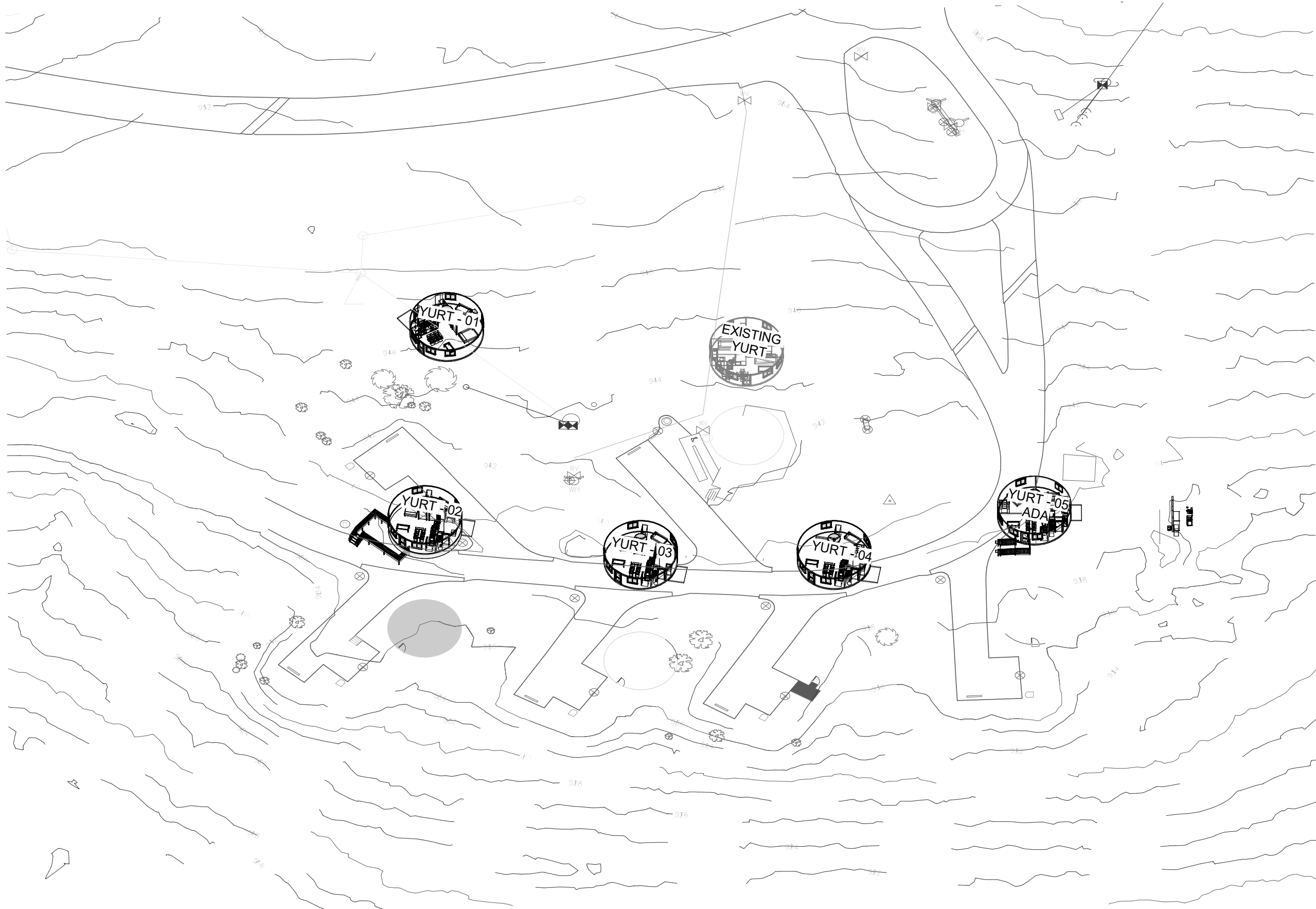
CAD DWG FILE: X221601 A-502
DRAWN BY: HDG
CHECKED BY: HDG
DESIGNED BY: HDG

SHEET TITLE:
DETAILS

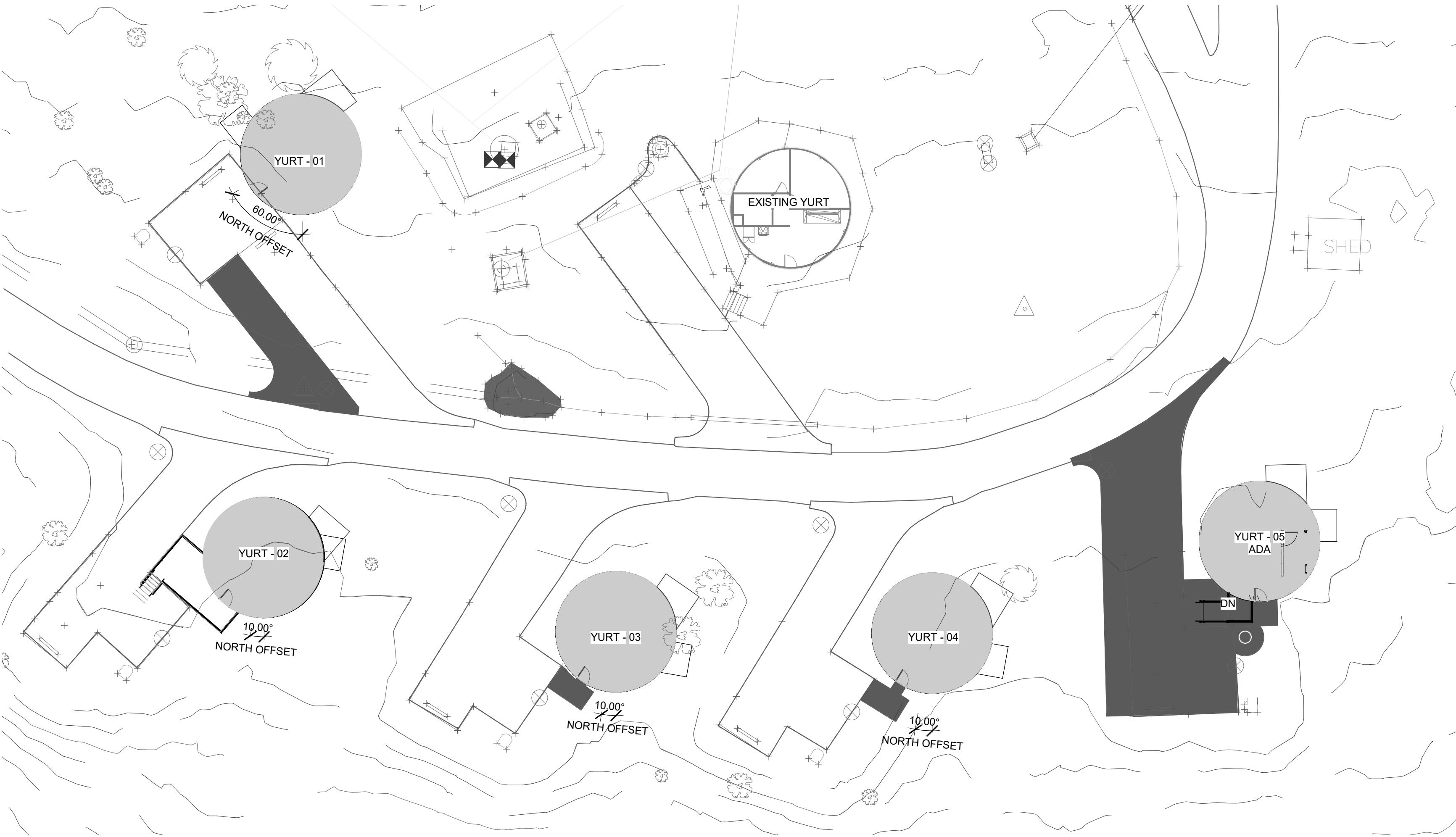
SHEET NUMBER:

A-502

SHEET 26 OF 32
1/17/2023 9:09:09 AM



2 SOLAR ORIENTATION DIAGRAM
AS-101 scale:



1 ARCH SITE PLAN
AS-101 scale: 1" = 20'-0"

UNIT MIX

YURT - 01
YURT - 02 (ALTERNATE)
YURT - 03
YURT - 04
YURT - 05

TYPE
SLAB ON GRADE
RAISED PLATFORM
SLAB ON GRADE
SLAB ON GRADE
SLAB ON GRADE - ADA

QUANTITY	GROSS S.F.
01	707
01	707
01	707
01	707
01	707

5 TOTAL UNITS

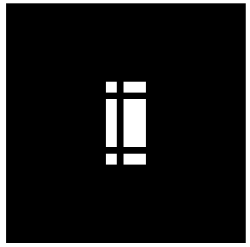
TOTAL GROSS S.F.	3,535
TOTAL NET S.F.	2,735

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



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architecture + design



5035 S National Avenue | Springfield, MO 65810 | 417.887.5595

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REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

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5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2215-01
SITE # 5603
ASSET # 7815603018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: JANUARY 17, 2023

CAD DWG FILE: X221601 AS-101
DRAWN BY: HDG
CHECKED BY: HDG
DESIGNED BY: HDG

SHEET TITLE:
ARCH SITE PLAN

SHEET NUMBER:

AS-101

SHEET 27 OF 32
1/17/2023 9:09:11 AM

ELECTRICAL SYMBOLS:

	EXIT LIGHT; WALL MOUNTED / CEILING MOUNTED
	FLUORESCENT LIGHT FIXTURE
	UNSWITCHED "NIGHT LIGHT" FIXTURE
	EMERGENCY LIGHTING FIXTURE
	RECESSED CAN LIGHT FIXTURE
	WALL-MOUNT LIGHT FIXTURE
	20AMP, SINGLE POLE, 120/277V SWITCH
	20AMP, THREE-WAY, 120/277V SWITCH
	20AMP, FOUR-WAY, 120/277V SWITCH
	20AMP, DOUBLE POLE, 120/277V SWITCH
	20AMP, SINGLE POLE, 120/277V SWITCH WITH LOAD ON, LIGHT ON PILOT LIGHT
	DIMMER SWITCH
	20AMP, SINGLE POLE, 120/277V, KEY OPERATED SWITCH
	20AMP, MOMENTARY CONTACT, 120/277V SWITCH
	CEILING-MOUNTED OCCUPANCY SENSOR
	WALLBOX-MOUNTED OCCUPANCY SENSOR
	INTERCOM STATION, COORDINATE ROUGH-IN REQUIREMENTS WITH SYSTEM SUPPLIER/INSTALLER
	DOOR ACTUATOR PUSHBUTTON, COORDINATE ROUGH-IN REQUIREMENTS WITH SYSTEM SUPPLIER/INSTALLER
	CARD READER/ACCESS CONTROL DEVICE, COORDINATE ROUGH-IN REQUIREMENTS WITH SYSTEM SUPPLIER
	SECURITY CAMERA, PROVIDE DOUBLE-GANG BOX, SINGLE-GANG PLASTER RING, AND 0.75" CONDUIT TO ACCESSIBLE CEILING SPACE OR ELECTRICAL/IDF ROOM.
	SIMPLEX RECEPTACLE; 2P, 3W, 20A, 125V
	SIMPLEX RECEPTACLE; NEMA CONFIGURATION AS INDICATED
	DUPLEX RECEPTACLE; 2P, 3W, 20A, 125V
	DUPLEX RECEPTACLE; MOUNTED 42" ABOVE FINISHED FLOOR
	DUPLEX RECEPTACLE; INSTALLED FLUSH WITH CEILING
	DUPLEX RECEPTACLE; MOUNTED 6" ABOVE COUNTERTOP BACKSPASH
	DUPLEX RECEPTACLE W/ GROUND FAULT INTERRUPTER
	DUPLEX RECEPTACLE FOR TV, COORDINATE MOUNTING HEIGHT WITH ARCHITECT AND TV SUPPLIER/INSTALLER
	DUPLEX RECEPTACLE; SWITCHED, BOTTOM HALF ONLY
	DUPLEX RECEPTACLE; TAMPER RESISTANT
	DUPLEX RECEPTACLE W/ USB CHARGING PORT, PROVIDE RECEPTACLE EQUAL TO HUBBELL JUSB20K2 SERIES
	DUPLEX RECEPTACLE; WEATHERPROOF
	DOUBLE DUPLEX RECEPTACLE WITH COMMON FACEPLATE
	RECEPTACLE MOUNTED IN FLUSH FLOOR BOX. REFER TO SPECIFICATIONS
	JUNCTION BOX - CEILING MOUNTED
	JUNCTION BOX - WALL MOUNTED
	LIGHTING & POWER PANELBOARD
	ELECTRICAL EQUIPMENT, REFER TO SCHEDULE FOR TAGGED EQUIPMENT
	DISCONNECT SWITCH
	CONDUIT CONCEALED IN CEILING OR WALL
	CONDUIT CONCEALED IN FLOOR SLAB
	CONDUIT ROUTED EXPOSED AT STRUCTURE
	#12 CONDUCTORS, TICK MARKS INDICATE QUANTITY
	HOME RUN WITH PANEL AND CIRCUIT DESIGNATION
	PARTIAL HOME RUN WITH PANEL AND CIRCUIT DESIGNATION
	GROUND WIRE
	FEEDER PER SCHEDULE
	VOLUME CONTROL, STATION - PROVIDE SINGLE-GANG JUNCTION BOX WITH 0.75" CONDUIT TO ACCESSIBLE CEILING SPACE
	TELECOMMUNICATIONS OUTLET
	CABLE TELEVISION OR MATV OUTLET, COORDINATE MOUNTING HEIGHT WITH ARCHITECT AND TV SUPPLIER/INSTALLER
	TELECOMMUNICATIONS OUTLET INSTALLED IN FLUSH FLOOR BOX

* THESE DEVICE REQUIRE 4" SQUARE JUNCTION BOX WITH 1" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE (0.75" CONDUIT FROM GUESTROOM DEVICES). WHERE APPLICABLE, INSTALL CONDUIT TO NEAR CABLE TRAY, PROVIDE PULL STRING AND INSULATING BUSHING UNLESS INDICATED OTHERWISE IN PLANS OR SPECIFICATIONS

ELECTRICAL GENERAL NOTES:

- GENERAL**
- CJD LLC, BEING THE AUTHOR OF THESE CONSTRUCTION DOCUMENTS, RESERVES THE RIGHT OF FINAL INTERPRETATION AS TO THEIR INTENT AND MEANING. ANY ADDITIONAL WORK OR COSTS RESULTING FROM THE CONTRACTORS OWN INTERPRETATION AS TO THE INTENT OR MEANING WITHOUT CONSULTATION WITH CJD LLC SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO COST TO OWNER OR A/E.
 - THE INTENT OF THE WORK INDICATED ON THESE CONSTRUCTION DOCUMENTS IS TO PROVIDE A FULLY FUNCTIONING SYSTEM IN COMPLETE WORKING ORDER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE CONTRACTORS SUPPLIERS TO INCLUDE ALL ACCESSORIES, COMPONENTS, PARTS, ETC. THAT MAY NOT BE INDICATED ON THESE CONSTRUCTION DOCUMENTS TO PROVIDE SYSTEMS AND EQUIPMENT THAT OPERATE SATISFACTORILY AS DESIGNED AND INTENDED.
 - ALL ELECTRICAL WORK SHALL BE PERFORMED BY LICENSED ELECTRICIANS AND SHALL COMPLY WITH THE 2017 NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES AS ADOPTED BY THE CITY OF SPRINGFIELD, MISSOURI.
 - THE CONTRACTOR SHALL INCLUDE ALL PERMIT AND INSPECTION FEES IN BID.
 - PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO CIVIL, STRUCTURAL AND ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR DIMENSIONS. FIELD VERIFY DIMENSIONS.
 - THE CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING HIS BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.
 - CONDUIT LAYOUTS ARE DIAGRAMMATIC. FIELD COORDINATE EXACT LOCATIONS AND ROUTINGS WITH STRUCTURE, PIPING, DUCTWORK, ETC. FINAL RESULT SHALL BE EQUIVALENT TO THAT INDICATED ON DRAWINGS.
 - COOPERATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS. BEFORE ANY PIPING, DUCTWORK, CONDUIT, ETC. IS INSTALLED, IT SHALL BE COORDINATED CAREFULLY BETWEEN ALL TRADES.
 - MAINTAIN ALL CLEARANCES REQUIRED BY MECHANICAL AND ELECTRICAL EQUIPMENT. COORDINATE WITH PLUMBING AND HVAC CONTRACTORS TO MAINTAIN ALL CLEARANCES REQUIRED FOR EQUIPMENT. DO NOT ROUTE PIPING, DUCTWORK, ETC. ABOVE ELECTRICAL PANELS.
 - THE CONTRACTOR SHALL SCHEDULE AND EXECUTE THE WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COSTS TO CUT, PATCH AND REPAIR EXISTING WALL, FLOOR AND CEILING CONSTRUCTION AS REQUIRED TO INSTALL NEW PLUMBING FIXTURES, PIPING, ETC. ARE INCLUDED IN THE BID PRICE.
 - THE CONTRACTOR SHALL SUBMIT A MINIMUM OF SIX (6) COPIES ON ALL FIXTURES AND EQUIPMENT INDICATED UNDER THIS CONTRACT.
 - IF CONTRACTOR WISHES TO INCORPORATE PRODUCTS OTHER THAN THOSE NAMED IN SPECIFICATIONS IN HIS BID OR PRODUCTS BY MANUFACTURERS OTHER THAN THOSE LISTED AS APPROVED MANUFACTURERS, THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST FOR REVIEW AND APPROVAL OF PROPOSED SUBSTITUTIONS TO COLMAN JONES DAVIS LLC NOT LESS THAN FIVE WORKING DAYS PRIOR TO BID DATE. APPROVAL OR ACCEPTANCE OF PROPOSED SUBSTITUTIONS BY MANUFACTURERS OR ITEMS IS FOR THE PURPOSES OF BIDDING ONLY AND DOES NOT RELIEVE THE PROPOSED SUBSTITUTION FROM THE SUBMITTAL/SHOP DRAWING REVIEW AND DOES NOT CONSTITUTE PRIOR APPROVAL OF PROPOSED SUBSTITUTIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS OF LARGER WIRING, CONDUIT, ENCLOSURES, CONTROL AND OVERCURRENT PROTECTIVE DEVICES, ETC. RESULTING FROM SUBSTITUTION OF EQUIPMENT OTHER THAN THAT WHICH WAS THE BASIS OF DESIGN AT NO COST TO OWNER OR A/E.
 - THE CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT, ACCESSORIES, AND MATERIAL FURNISHED BY HIM FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE AGAINST ALL DEFECTS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COSTS TO CUT, PATCH AND REPAIR EXISTING WALL, ROOF AND CEILING CONSTRUCTION AS REQUIRED TO INSTALL NEW DUCTWORK, GRILLES, DIFFUSERS, ETC. ARE INCLUDED IN THE BID PRICE.
 - COORDINATE LIGHTING FIXTURE LOCATIONS WITH REFLECTED CEILING PLANS.
 - COORDINATE INFORMATION OUTLET, RECEPTACLE AND OTHER DEVICE LOCATIONS WITH OWNER AND WITH MILLWORK AND WITH OTHER TRADES PRIOR TO ROUGH-IN.
 - INFORMATION OUTLET (DATA AND TELEPHONE) DEVICES, WALL PLATES, AND ASSOCIATED PLENUM RATED WIRING SHALL BE SUPPLIED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT WITH THE OWNER.
- ERGOUCTS**
- LIGHT SWITCHES SHALL BE HUBBELL 1220 SERIES, 20-AMP, 120/277-VOLT, IN COLOR SELECTED BY THE ARCHITECT/INTERIOR DESIGNER.
 - DUPLEX RECEPTACLES SHALL BE HUBBELL 3300 SERIES, 20A, 125V, NEMA CONFIGURATION 5-20R, IN COLOR SELECTED BY THE ARCHITECT/INTERIOR DESIGNER.
 - ELECTRICAL DEVICE WALL PLATES SHALL BE HIGH IMPACT NYLON PLATING IN COLOR AS SELECTED BY THE ARCHITECT/INTERIOR DESIGNER.
 - EQUIVALENT WIRING DEVICES BY BRYANT, COOPER, HUBBELL AND LEVITON.
 - EQUIVALENT PANELBOARDS, LIGHTING CONTACTORS AND DISCONNECT SWITCHES BY CUTLER HAMMER, GENERAL ELECTRIC, AND SQUARE D.
- EXECUTION**
- ALL WIRING SHALL BE INSTALLED IN EMT CONDUIT AND SHALL BE CONCEALED UNLESS OTHERWISE NOTED. PVC CONDUIT WILL BE ALLOWED BELOW SLAB AND IN GRASSY AREAS. ALL TRANSITIONS FROM PVC TO STEEL CONDUIT SHALL BE MADE BELOW GRADE. MINIMUM CONDUIT SIZE FOR LIGHTING AND POWER BRANCH CIRCUITS ABOVE GRADE SHALL BE 1/2". MINIMUM CONDUIT SIZE FOR LIGHTING AND POWER BRANCH CIRCUITS BELOW GRADE SHALL BE 3/4". CONTRACTOR SHALL HAVE THE OPTION TO USE METALLIC GLAD (M/G) CABLE FOR CONCEALED BRANCH CIRCUIT WIRING.
 - INSTALL BRANCH CIRCUIT WIRING, TELE/DATA, ETC. IN WIREMOLD SERIES 2000 SURFACE METAL RACEWAY WHERE EXISTING CONDITIONS NECESSITATE ITS INSTALLATION TO BE SURFACE MOUNTED AND ONLY WHEN APPROVED BY ARCHITECT/ENGINEER. EQUIVALENT BY HUBBELL, PAINY SURFACE MOUNTED RACEWAY AND COMPONENTS IN COLOR AS SELECTED BY ARCHITECT.
 - MINIMUM CONDUIT SIZE FOR INFORMATION OUTLETS SHALL BE 3/4". CONDUIT STUDS SHALL BE TERMINATED WITH INSULATING BUSHINGS.
 - FEEDER AND BRANCH CIRCUIT WIRING SHALL BE COPPER, 800V WITH THHN/THWN INSULATION. BRANCH CIRCUIT WIRING SHALL BE #12 AWG MINIMUM. WIREMERS FOR BRANCH CIRCUITS OVER 75 FEET LONG SHALL BE #10 AWG, OVER 100 FEET LONG, #8 AWG UNLESS INDICATED OTHERWISE.
 - ALL LIGHTING AND POWER CIRCUITS SHALL HAVE A GROUNDING CONDUCTOR.
 - ALL RECEPTACLES, TELECOMMUNICATIONS OUTLETS, AND TELEVISION OUTLETS SHALL BE INSTALLED AT 18" AFF TO CENTER UNLESS NOTED OTHERWISE. ALL SWITCHES SHALL BE INSTALLED AT 48" AFF TO CENTER UNLESS NOTED OTHERWISE.
 - PROVIDE TYPED CIRCUIT DIRECTORIES FOR ALL PANELBOARDS. DIRECTORY INFORMATION SHALL INCLUDE CIRCUIT NUMBER AND EQUIPMENT SERVED.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN FOR THERMOSTATS AND SENSOR. PROVIDE SINGLE-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING OR TO ASSOCIATED EQUIPMENT. THERMOSTATS, SENSORS, AND WIRING SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.
 - PROVIDE SLEEVES AT CONDUIT PENETRATIONS OF EXTERIOR WALLS. SEAL PENETRATIONS WEATHERTIGHT.
 - REFER TO ARCHITECTURAL DRAWINGS FOR TYPICAL PENETRATION DETAILS.
 - CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO KITCHEN EQUIPMENT. PROVIDE ADAPTERS, FITTINGS, CONDUIT/PLUG CONNECTIONS, ETC. FOR ALL EQUIPMENT AS REQUIRED. COORDINATE SPECIFIC REQUIREMENTS WITH EQUIPMENT SUPPLIERS. REFER TO EQUIPMENT TEMPLATES / DRAWINGS FOR ADDITIONAL INFORMATION.

PLUMBING SYMBOLS:

	SANITARY WASTE PIPING BELOW SLAB
	SANITARY WASTE PIPING ABOVE SLAB
	SANITARY COMBINATION WASTE AND VENT PIPING
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	DOMESTIC HOT WATER RETURN PIPING
	PLUMBING VENT PIPING
	CONDENSATE DRAIN PIPING
	NATURAL GAS PIPING
	COMPRESSED AIR
	FUEL OIL
	SHUT-OFF VALVE
	BALANCE VALVE
	UNION
	CHECK VALVE
	SHOCK ABSORBER
	PRESSURE GAUGE
	TEE / ELBOW DOWN WITH VALVE IN VERTICAL PIPE
	FREEZEPROOF WALL HYDRANT / HOSE BIBB
	BACKFLOW PREVENTER
	PRESSURE REGULATOR
	FLOOR DRAIN; TYPE AND SIZE
	FINISH GRADE CLEANOUT
	FINISH FLOOR CLEANOUT
	FINISH WALL CLEANOUT

HVAC SYMBOLS:

	FLEXIBLE DUCTWORK
	CEILING RETURN/EXHAUST GRILLE
	CEILING SUPPLY DIFFUSER
	SIDEWALL GRILLE
	LINEAR SLOT DIFFUSER
	THERMOSTAT
	CARBON DIOXIDE SENSOR
	REMOTE TEMPERATURE SENSOR
	DUCTWORK (WIDTH/HEIGHT)
	FLEXIBLE CONNECTION
	DIFFUSER TYPE, SIZE, CFM
	RECTANGULAR TO ROUND TAKE-OFF WITH DAMPER

MECHANICAL GENERAL NOTES:

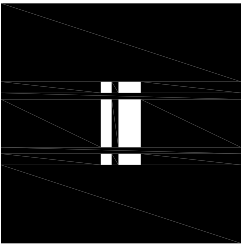
- GENERAL**
- CJD LLC, BEING THE AUTHOR OF THESE CONSTRUCTION DOCUMENTS, RESERVES THE RIGHT OF FINAL INTERPRETATION AS TO THEIR INTENT AND MEANING. ANY ADDITIONAL WORK OR COSTS RESULTING FROM THE CONTRACTORS OWN INTERPRETATION AS TO THE INTENT OR MEANING WITHOUT CONSULTATION WITH CJD LLC SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO COST TO OWNER OR A/E.
 - THE INTENT OF THE WORK INDICATED ON THESE CONSTRUCTION DOCUMENTS IS TO PROVIDE A FULLY FUNCTIONING SYSTEM IN COMPLETE WORKING ORDER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE CONTRACTORS SUPPLIERS TO INCLUDE ALL ACCESSORIES, COMPONENTS, PARTS, ETC. THAT MAY NOT BE INDICATED ON THESE CONSTRUCTION DOCUMENTS TO PROVIDE SYSTEMS AND EQUIPMENT THAT OPERATE SATISFACTORILY AS DESIGNED AND INTENDED.
 - ALL MECHANICAL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING, PLUMBING, FUEL GAS, AND MECHANICAL CODES AS ADOPTED BY CITY OF SPRINGFIELD, MISSOURI.
 - THE CONTRACTOR SHALL INCLUDE ALL PERMIT AND INSPECTION FEES IN BID.
 - PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO CIVIL, STRUCTURAL AND ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR DIMENSIONS. FIELD VERIFY DIMENSIONS.
 - THE CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING HIS BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.
 - PIPING AND DUCTWORK LAYOUTS ARE DIAGRAMMATIC. FIELD COORDINATE EXACT LOCATIONS AND ROUTINGS WITH STRUCTURE, PIPING, DUCTWORK, ETC. FINAL RESULT SHALL BE EQUIVALENT TO THAT INDICATED ON DRAWINGS.
 - COOPERATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS. BEFORE ANY PIPING, DUCTWORK, CONDUIT, ETC. IS INSTALLED, IT SHALL BE COORDINATED CAREFULLY BETWEEN ALL TRADES.
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 - THE CONTRACTOR SHALL OBTAIN THE SERVICES OF AN INDEPENDENT FIRM CERTIFIED WITH ASSOCIATED AIR BALANCING CONTROL OR NATIONAL ENVIRONMENTAL BALANCING BUREAU TO PERFORM THE HVAC SYSTEM TESTING AND BALANCING IN ACCORDANCE WITH ASHRAE OR ASHRAE MANUAL STANDARDS.
- ERODUCTS**
- SHUTOFF VALVES ON DOMESTIC WATER SHALL BE BRONZE FULL PORT BALL VALVE 800 PSI-WOG WITH PACKING NUT, TEFLON SEATS, BRONZE BALL, SILICON BRONZE STEM INSULATED HANDLE, AND SCREWED OR SOLDER ENDS.
 - DUCT CONSTRUCTION:
 - ALL DUCTWORK SHALL BE FABRICATED OF G90 GALVANIZED STEEL AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS MANUAL. 150. ALL SUPPLY AIR DUCT PRESSURE CLASSES SHALL BE THE SAME AS THE EXTERNAL STATIC PRESSURE (ESP) OF THE EQUIPMENT SUPPLYING THE DUCT. THE EQUIPMENT ESP SHALL BE THE PRESSURE CLASS FOR THE ENTIRE SUPPLY DUCT SYSTEM.
 - RECTANGULAR SUPPLY AIR DUCT: - 1.5" PRESSURE CLASS OR GREATER: GALVANIZED SHEET METAL WITH DUCTWATE OR EQUIVALENT FLANGE DUCT FITTINGS.
 - RECTANGULAR SUPPLY AND RETURN AIR DUCT: - 1.5" PRESSURE CLASS OR LESS: GALVANIZED SHEET METAL. INSULATE SUPPLY DUCTWORK WITH 2", 1.0 LB DENSITY FIBERGLASS DUCT WRAP WITH FOIL-SCRM-KRAFT FACING.
 - CONCEALED ROUND SUPPLY AIR DUCT: - 1" PRESSURE CLASS OR LESS: GALVANIZED SNAP-LOCK PIPE WITH TRANSVERSE JOINTS AND CONNECTIONS SEALED. WRAH SUPPLY DUCT WITH 2", 1.0 LB DENSITY FIBERGLASS DUCT WRAP WITH FOIL-SCRM-KRAFT FACING.
 - CONCEALED ROUND RETURN AND EXHAUST DUCT: - 1" PRESSURE CLASS OR LESS: GALVANIZED SNAP-LOCK PIPE WITH TRANSVERSE JOINTS AND CONNECTIONS SEALED.
 - FLEXIBLE DUCTWORK: FLEXMASTER USA TYPE RB, UL 181 CLASS 1 RATED PRE-INSULATED ACOUSTICAL FLEX DUCT WITH MECHANICAL LOCK HELIX CONSTRUCTION, 25/30 FLAME SMOKE RATING, AND R-6.0 THERMAL BARRIER. RUNS OF FLEXIBLE DUCT SHALL NOT EXCEED 5 LINEAR FEET. FLEXIBLE DUCT SHALL NOT BE USED ON SYSTEMS WITH PRESSURE CLASS GREATER THAN 1".
 - ROUND TAKE-OFF FITTINGS FROM RECTANGULAR DUCTWORK SHALL BE MADE WITH BUCKLEY AIR PRODUCTS MODEL 3300 AND ROUND BOOT FITTINGS. FITTINGS WITH INSIDE THE SAME AS THE EXTERNAL STATIC PRESSURE (ESP) OF THE EQUIPMENT SUPPLYING THE DUCT. THE EQUIPMENT ESP SHALL BE THE PRESSURE CLASS FOR THE ENTIRE SUPPLY DUCT SYSTEM.
 - EQUIVALENT EXHAUST FANS BY COOK, GREENECK, PENN AND ACME.
 - EQUIVALENT GRILLES, DIFFUSERS AND REGISTERS BY CARNES, KRUEGER, GREENECK, NALOR, PRICE, TITUS AND TUTTLE & BRETZ.
 - EQUIVALENT VRF HVAC EQUIPMENT BY DAKIN AND LG.
- EXECUTION**
- INSULATE ALL ABOVE GRADE DOMESTIC WATER AND CONDENSATE DRAIN PIPING WITH ARMACEL 1/2" THICK AP/ARMAPLEX FLEXIBLE ELASTOMERIC THERMAL PIPE INSULATION. EQUIVALENT BY RUBATEX. THE USE OF TUBULIT OR EQUIVALENT CLOSED CELL POLYURETHANE FOAM INSULATION IS STRICTLY PROHIBITED.
 - PROVIDE SIXX CHIEF WATER HAMMER ARRESTERS ON ALL PLUMBING FIXTURES SIZED IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. W201. EQUIVALENT BY JONESPEC, U.R. SMITH, OR WAGO.
 - INSTALL TRAPS AT WASTE CONNECTIONS TO ALL FLOOR DRAINS AND OTHER PLUMBING FIXTURES WITHOUT A TRAP. INTEGRAL TO THE FIXTURE.
 - INSTALL WATER AND WASTE PIPING BELOW SLAB AND BELOW GRADE ON TOP OF A 6" BED OF PEA GRAVEL, WITH 6" PEA GRAVEL ON SIDES AND TOP OF PIPING.
 - PAINT ALL NATURAL GAS PIPING INSTALLED OUTDOORS WITH TWO COATS OF ALL WEATHER PAINT. COLOR SHALL BE SELECTED BY THE ARCHITECT.
 - INSTALL ALL ROOF PIPE, CONDUIT AND DUCTWORK SUPPORTS, CURBS AND PENETRATIONS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ROOFING SYSTEM MANUFACTURER.
 - SUPPORT PIPING ON ROOF WITH PREMANUFACTURED PIPING SUPPORT EQUIVALENT TO B-LINE C-SERIES. FIELD FABRICATED SUPPORTS CONSISTING OF LUMBER, ETC. ARE NOT ACCEPTABLE.
 - PROVIDE FACTORY FABRICATED PIPE CURB ASSEMBLIES FOR MULTIPLE CONDUIT AND PIPING PENETRATIONS THROUGH THE ROOF. PIPE CURB ASSEMBLIES SHALL BE FACTORY FABRICATED, 8" TALL (MINIMUM) GALVANIZED STEEL ROOF CURBS WITH INTEGRAL BASE PLATE, 1 LB. DENSITY INSULATION, WOOD MAUER, ACRYLIC GLAD THERMOPLASTIC COVER, FASTENING SCREWS, AND GRADUATED STEP BOOTS WITH STAINLESS STEEL CLAMPS AS MANUFACTURED BY PATE, TYHAR OR APPROVED EQUIVALENT. PROVIDE PIPE SEAL ASSEMBLIES FOR INDIVIDUAL CONDUIT OR PIPE PENETRATIONS. ALL WORK SHALL BE IN ACCORDANCE WITH ROOFING MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
 - PROVIDE SLEEVES AT PIPE PENETRATIONS OF EXTERIOR WALLS. SEAL PENETRATIONS WEATHERTIGHT.
 - REFER TO ARCHITECTURAL DRAWINGS FOR TYPICAL PENETRATION DETAILS.
 - CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO SPECIAL EQUIPMENT. PROVIDE ADAPTERS, FITTINGS, ETC. FOR ALL EQUIPMENT AS REQUIRED. COORDINATE SPECIFIC REQUIREMENTS WITH EQUIPMENT SUPPLIERS. REFER TO EQUIPMENT TEMPLATES / DRAWINGS FOR ADDITIONAL INFORMATION.
 - SEAL ALL DUCTWORK IN ACCORDANCE WITH THE LATEST SMACNA METAL AND FLEXIBLE DUCT CONSTRUCTION STANDARDS MANUAL. AT A MINIMUM, LOW STATIC PRESSURE DUCTS SHALL BE SEALED WITH WATER, SOLVENT OR SILICONE BASED SEALANT IN ACCORDANCE WITH SMACNA DUCT SEAL CLASS C. THE USE OF DUCT TAPE IS STRICTLY PROHIBITED.
 - THERMOSTATS, SENSORS, AND ASSOCIATED WIRING SHALL BE PROVIDED BY HVAC CONTRACTOR. ROUGH-IN SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR. PROVIDE ALL THERMOSTATS WITH LABEL INDICATING AREA SERVED.
 - BRANCH DUCTS SHALL BE THE SAME SIZE AS DIFFUSER NECK UNLESS NOTED OTHERWISE.
 - PROVIDE HVAC EQUIPMENT WITH A NEW FILTERS DURING CONSTRUCTION AND UPON SUBSTANTIAL COMPLETION.
 - PROVIDE AERO-DYNE OR EQUIVALENT DOUBLE WALL TURNING VANES IN ALL RECTANGULAR ELBOWS.
 - COORDINATE CEILING DIFFUSER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
 - PROVIDE FLEXIBLE CONNECTION AND TRANSITION TO UNIT OPENING SIZES FOR ALL HVAC EQUIPMENT.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



1/17/2023

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2216-01
SITE # 5603
FACILITY # 7815603031

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
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DATE: _____

ISSUE DATE: JANUARY 17, 2023

CAD DWG FILE: X2216-01_E-101
DRAWN BY: AKD
CHECKED BY: AKD
DESIGNED BY: AKD

SHEET TITLE:
MECH & ELEC
SYMBOLS &
GENERAL NOTES

SHEET NUMBER:

ME-101

28 OF 32 SHEETS



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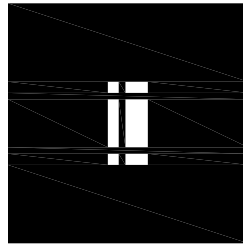
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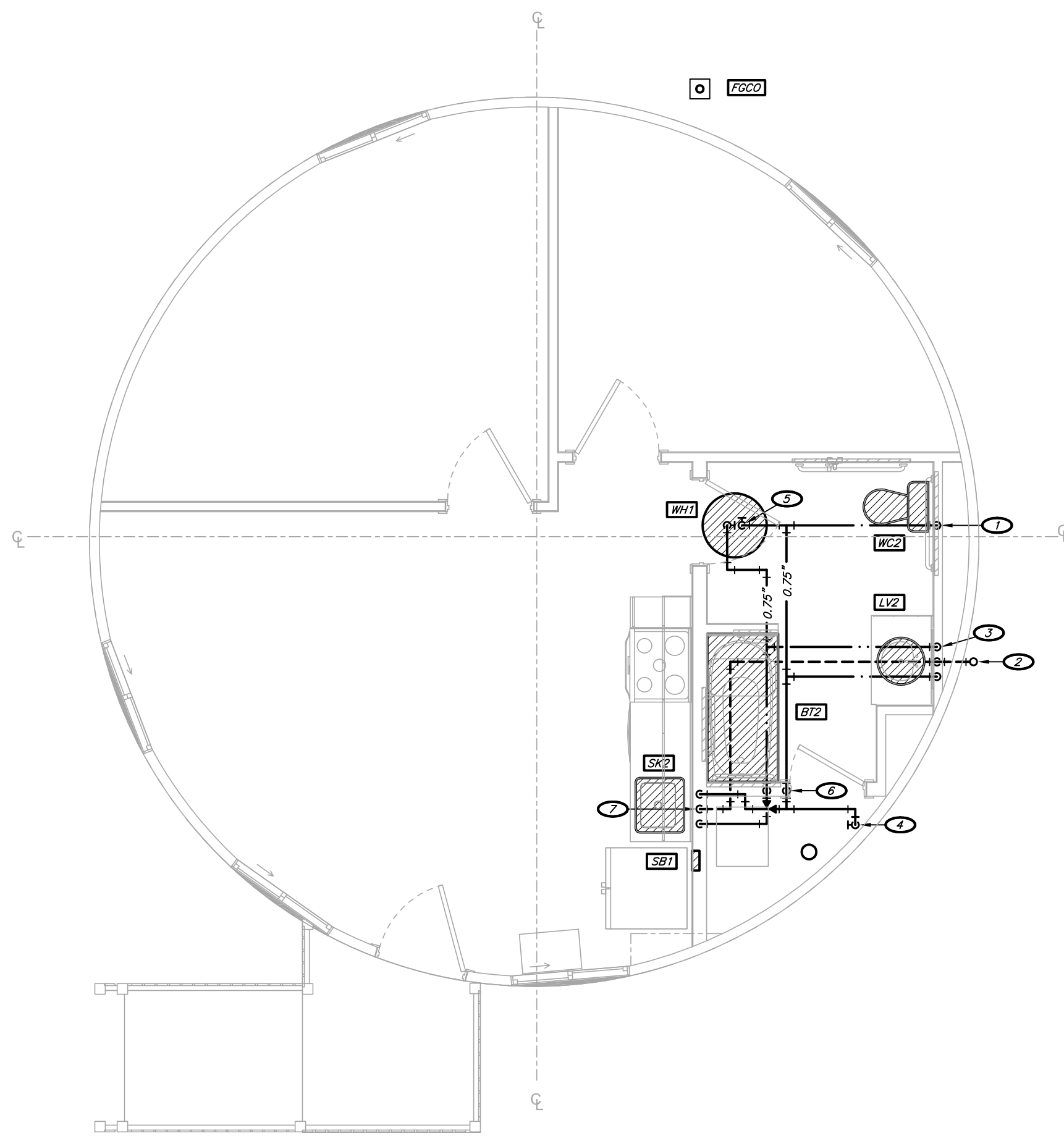
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DRAWN BY: AKD
CHECKED BY: AKD
DESIGNED BY: AKD

SHEET TITLE:
PLUMBING
PLANS

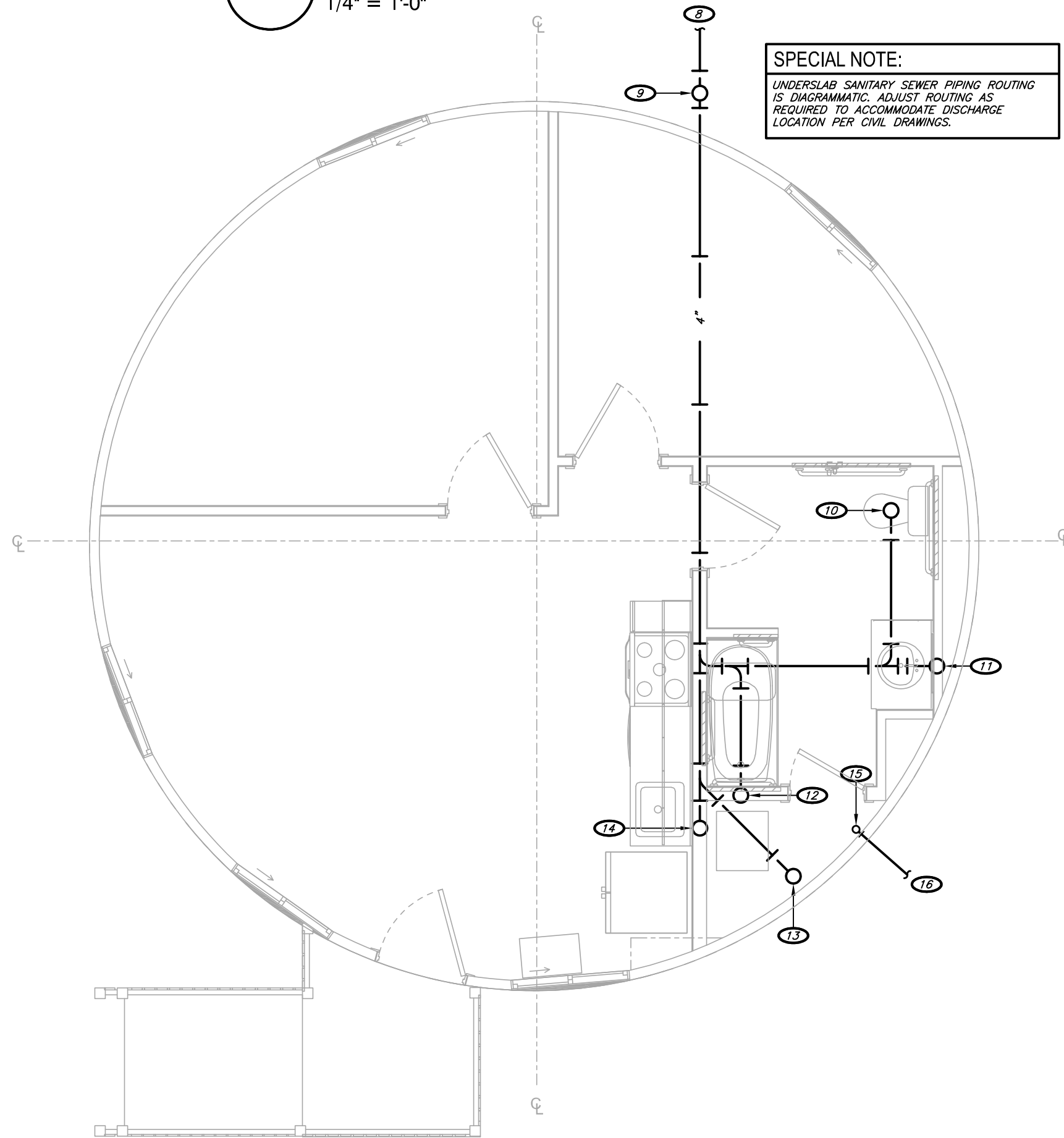
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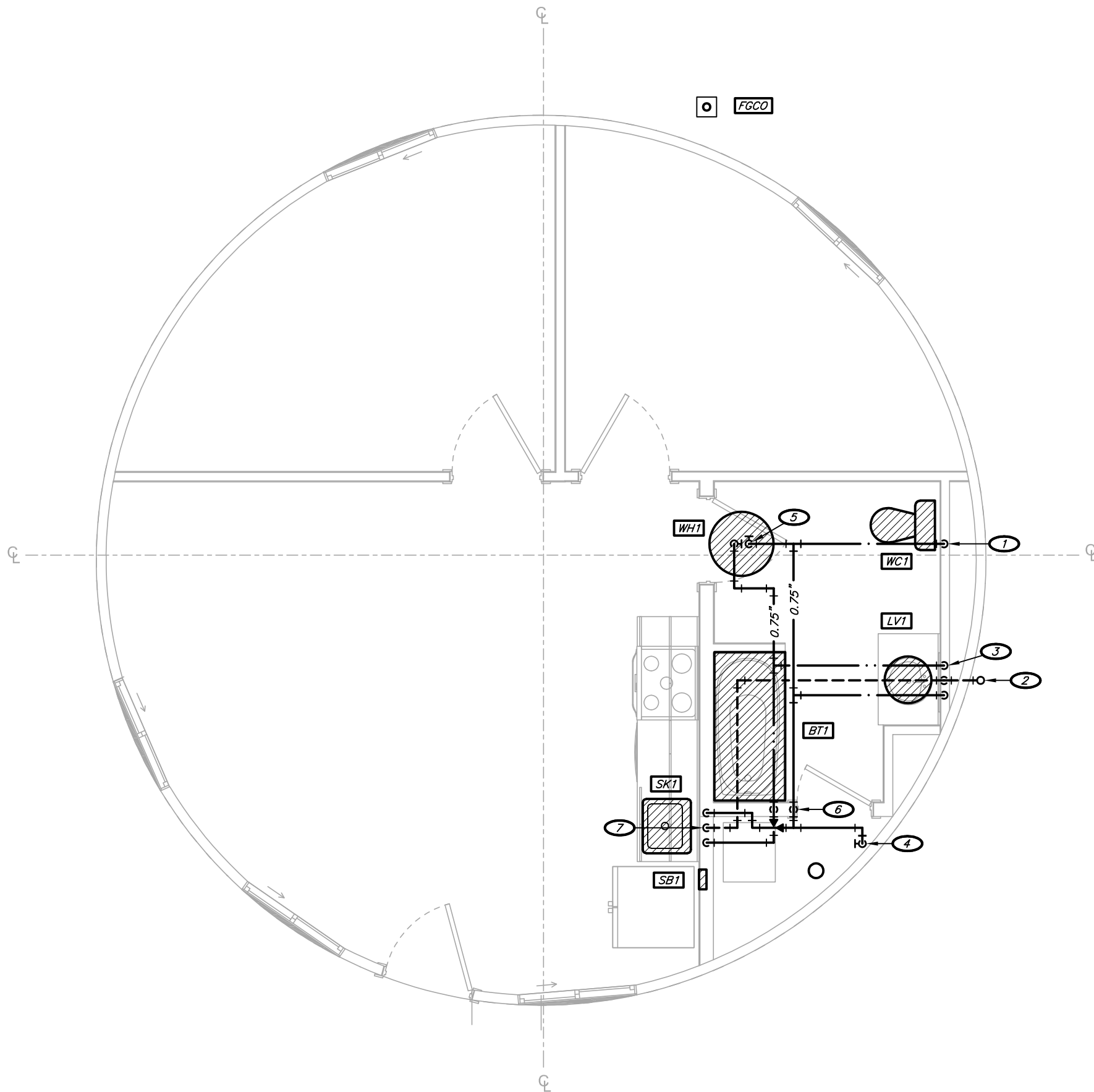
29 OF 32 SHEETS



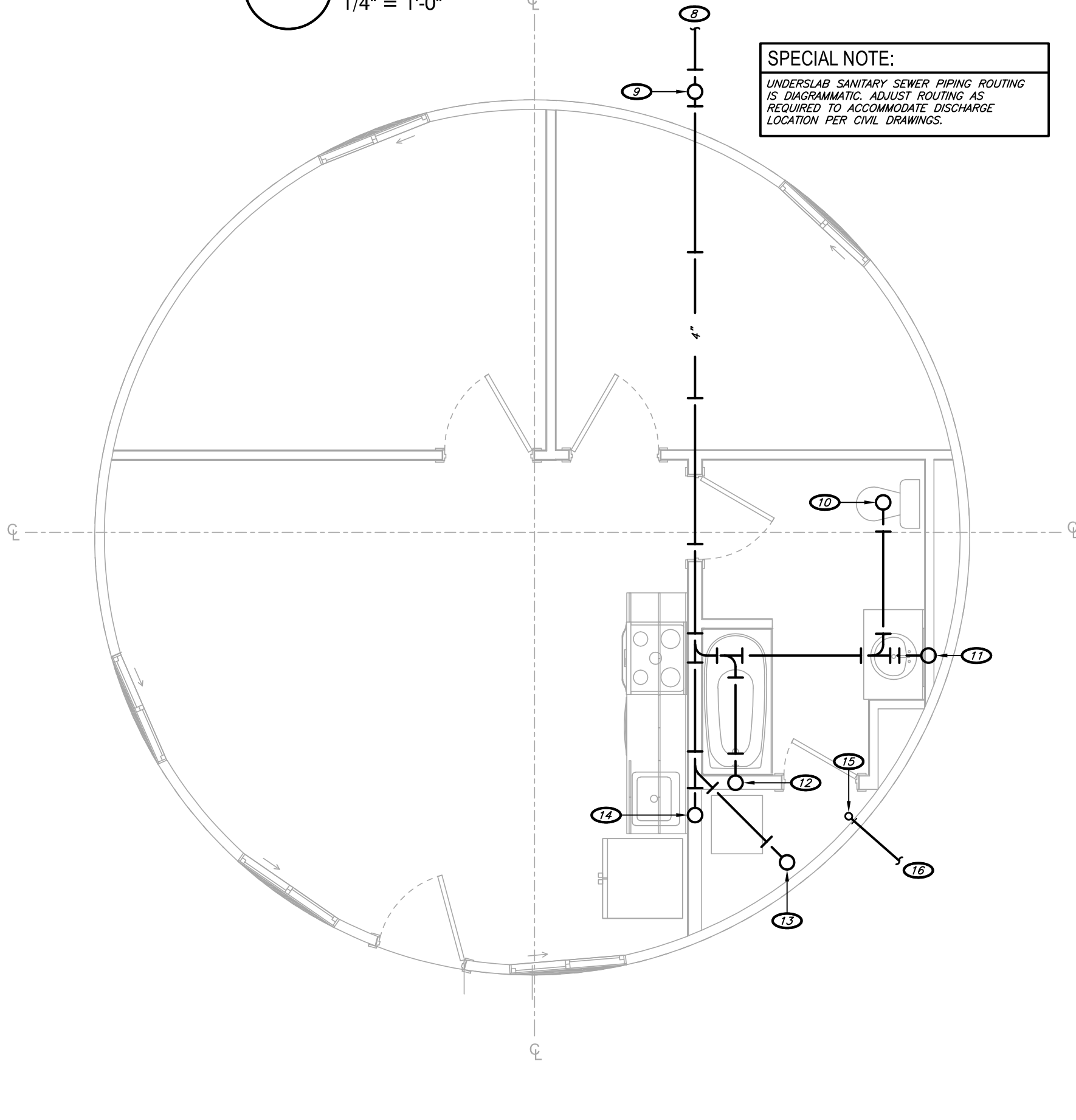
4
ADA UNIT
PLUMBING PLAN
1/4" = 1'-0"



2
ADA UNIT
UNDERSLAB PLUMBING PLAN
1/4" = 1'-0"



2
STANDARD UNIT
PLUMBING PLAN
1/4" = 1'-0"



1
STANDARD UNIT
UNDERSLAB PLUMBING PLAN
1/4" = 1'-0"

ALTERNATE BID SPECIAL NOTES:
ALTERNATE BID #1 SHALL INCLUDE UNDERGROUND/UNDERSLAB PLUMBING WORK ONLY.
ALTERNATE BID #2: SHALL INCLUDE NO PLUMBING WORK.
ALTERNATE BID #3: SHALL INCLUDE ALL ALL ABOVE GROUND/ABOVE SLAB PLUMBING WORK.

KEYNOTES:

- 0.5" COLD WATER DOWN TO WATER CLOSET.
- VENT TERMINATION, COORDINATE FOR HORIZONTAL ROUTING OF VENT PIPING THROUGH EXTERIOR WALL OF YURT.
- 0.5" COLD AND HOT WATER AND 1.5" VENT DOWN TO LAVATORY.
- 0.75" DOMESTIC WATER SERVICE DOWN WITH SERVICE SHUT-OFF VALVE AT 19" AFF.
- 0.75" COLD AND HOT WATER DOWN TO WATER HEATER. INSTALL WATER HEATER ABOVE BATHROOM. WITH ACCESS PER ARCHITECTURAL DRAWINGS. PROVIDE DRAIN PAN WITH DRAIN PIPING ROUTED TO HUB DRAIN AT MECHANICAL CLOSET.
- 0.5" COLD AND HOT WATER DOWN TO SHOWER VALVE. EXTEND PIPING TO TUB SPOUT AND SHOWER HEAD.
- 0.5" COLD AND HOT WATER, 1.5" VENT DOWN TO SINK. TEE 0.5" COLD WATER TO SUPPLY BOX.
- 3" SANITARY SEWER. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 3" WASTE UP TO FINISH GRADE CLEANOUT.
- 3" WASTE UP TO WATER CLOSET.
- 2" WASTE UP TO LAVATORY.
- 2" WASTE UP TO BATHUB.
- 2" TRAPPED WASTE UP TO HUB DRAIN.
- 2" WASTE UP TO SINK.
- 0.75" DOMESTIC WATER SERVICE UP.
- 0.75" DOMESTIC WATER SERVICE. REFER TO CIVIL DRAWINGS FOR CONTINUATION.



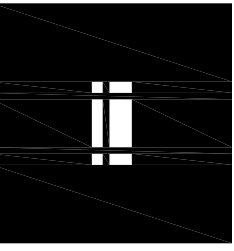
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ISSUE DATE: JANUARY 17, 2023

CAD DWG FILE: X2216-01-E-101
DRAWN BY: AKD
CHECKED BY: AKD
DESIGNED BY: AKD

SHEET TITLE:
HVAC PLANS

SHEET NUMBER:

M-101

30 OF 32 SHEETS

FAN SCHEDULE											
MARK	SERVICE	MANUFACTURER	MODEL #	CFM	ESP (IN. W.C.)	MOUNTING	FINISH	DAMPER	VOLTAGE/ PHASE	MOTOR HP/WATTS	NOTES & ACCESSORIES
EFT	BATHROOM	COOK	GC-146	75	0.25"	CEILING	WHITE	GND	120V	24 W	1,2,10,11,12,13,14
NOTES & ACCESSORIES: 1. FACTORY MOUNTED DISCONNECTING MEANS. 2. PROVIDE MULTI-SPEED (WITH TIME DELAY) MODULE. 3. PROVIDE 1" ABOVE TOP OF ROOF SURFACE INSULATED ROOF CURB WITH HINGED BASE, SLOPE AS REQUIRED. 4. ALUMINUM CEILING GRILLE. 5. SEE KITCHEN EQUIPMENT DRAWINGS FOR ALL REQUIREMENTS. 6. DEMAND CONTROL VENTILATION VIA HOD CONTROL PANEL. VFD INTEGRAL TO HOD. SEE KITCHEN EQUIPMENT SUBMITTALS FOR ALL REQUIREMENTS. 7. LORENEZED FINISH OR APPROVED EQUAL. 8. INCLUDE SPRING VIBRATION ISOLATOR HANGERS. 9. MOTORIZED MICRODRAFT DAMPER WITH MAX LEAK RATE OF 20 CFM FT ² AT 1" W.G. PER AMCA 5000. 10. PROVIDE WALLS/ROOF VENT CAP OR ROOF JACK. REFER TO PLANS. PAINT TO MATCH EXTERIOR WALLS/ROOF/ROOF COLOR. 11. PROVIDE HOUSING WITH ELEGANT REDUCED DRAINAGE. 12. PROVIDE FLEXIBLE DUCT CONNECTIONS. 13. ALL DUCT SHALL BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. 14. FAN SHALL HAVE ACTIVE REMOTE LIGHT SWITCH IS ON. 15. PROVIDE INSULATED ROOF EQUIPMENT RAIS. 16. PROVIDE ALL ACCESSORIES REQUIRED BY MANUFACTURER FOR A COMPLETE INSTALLATION INCLUDING BACKDRAFT DAMPER. 17. REFER TO ARCHITECTURAL ENLARGED UNIT PLANS FOR LOCATION OF EQUIPMENT.											

AIR DEVICE SCHEDULE											
MARK	MANUFACTURER	MODEL #	DUCT CONNECTION SIZE	SERVICE	MODULE SIZE	FRAME	FINISH	DAMPER	MAX INCH	THROW (FT)	DELTA P (STATIC)
S1	KRUEGER	80	12x6 0-300 CFM	SUPPLY	-	SURFACE	BY ARCH	OBD	30	15	0.1"
S2	KRUEGER	SSMGSR	12x6 0-300 CFM	SUPPLY	-	SURFACE	BY ARCH	OBD	30	15	0.1"
R1	KRUEGER	S80	22x22 1,600 CFM	RETURN	-	SURFACE	BY ARCH	-	30	-	0.1"
NOTES: 1. PROVIDE BORDER FOR SURFACE MOUNT INSTALLATION WHEN INSTALLED IN HARD CEILINGS WHICH ALLOW DIFFUSERS/GRILLE TO BE LIFTED UP FOR ABOVE CEILING ACCESS. 2. GRILLE/DIFFUSER SHALL MATCH ADJACENT FINISHES UNLESS NOTED OTHERWISE. COORDINATE TO PAINT DIFFUSER AS REQUIRED. 3. PROVIDE CEILING RADIATION TYPE FIRE DAMPER WHEN INSTALLED AT CEILING MEMBRANE OF PATED CEILING ASSEMBLY. 4. WHERE BALANCE DAMPERS ARE INSTALLED ABOVE HARD CEILINGS AND CANNOT BE ACCESSIBLE THROUGH THE DIFFUSER/GRILLE, PROVIDE "BOWDEN" 270-391 EZ REMOTE CABLE CONTROL KIT AND DAMPERS WITH "Y" COVER PLATE BY YOUNG REGULATOR COMPANY. COORDINATE EXACT CEILING LOCATION FOR OPERATOR/COVER PLATE WITH ARCHITECT BEFORE INSTALLATION. 5. PLASTER FRAME FOR DRYWALL INSTALLATION.											

DUCT INSULATION SCHEDULE					
SYSTEM	SERVICE	CONFIGURATION	INSULATION THICKNESS	LOCATION	NOTES
AHU/SPLIT SYSTEM	SUPPLY MAINBRANCHES	RECTANGULAR/ROUND	1" LINER (FIRST 10 FEET FROM OUTLET) THEN 1.5" WRAP (R-4)	ALL CONCEALED INDOOR SPACES EXCEPT ATTIC	1
*	SUPPLY MAINBRANCHES	RECTANGULAR/ROUND	1" LINER (R-4)	ALL EXPOSED INDOOR SPACES EXCEPT ATTIC	2.4
*	SUPPLY MAINBRANCHES	RECTANGULAR/ROUND	2" WRAP (R-8)	ATTIC SPACES	1.7
*	SUPPLY MAINBRANCHES	RECTANGULAR	2" BOARD (R-8)	ALL OUTDOOR SPACES	5.6
*	RETURN MAINBRANCHES	RECTANGULAR/ROUND	2" WRAP (R-8)	ATTIC SPACES	1.7
*	OUTDOOR MAINBRANCHES	RECTANGULAR/ROUND	2" WRAP (R-8)	ALL INDOOR/ATTIC SPACES	1
EXHAUST DUCT	EXHAUST MAINBRANCHES	RECTANGULAR/ROUND	NONE	ALL INDOOR SPACES EXCEPT ATTIC	-
*	EXHAUST MAINBRANCHES	RECTANGULAR/ROUND	2" WRAP (R-8)	ATTIC SPACES	1.7
NOTES: 1. EXTERNAL FIBERGLASS INSULATION WRAP (1.5 LB) W/ POLY-SCORAKRAFT FACING. 2. INTERNAL RECTANGULAR DUCT LINER (2.0 LB) WITH OUTDOOR/MICROBIAL RESISTANT COATING ("QUIET R", "INACOUSTIC RC", "TOUGHGUARD R", "AP ARMAFLEX" OR APPROVED EQUAL). 3. INTERNAL SPIRAL DUCT LINER (2.0 LB) INSULATION WITH PERFORATED INNER LINING AND OUTDOOR/MICROBIAL RESISTANT COATING ("QUIET R", "SPRACOUSTIC PLUS", "TOUGHGUARD ULTRA", "AP SPIRALFLEX" OR APPROVED EQUAL). 4. VERIFY WITH ARCHITECT WHERE EXPOSED DUCT SHALL BE PAINTED. PAINTED EXPOSED DUCT SHALL HAVE PAINT GRP FINISH. NON-PAINTED EXPOSED DUCT SHALL BE CLEANED OF ALL LABELS AND OIL. 5. EXTERNAL INSULATION BOARD (1.5 LB) W/ POLY-SCORAKRAFT FACING. 6. PROVIDE POLYURETHANE "ALUMAGUARD" DUCT WEATHER PROOF CLADDING APPLIED TO EXTERIOR DUCT INSULATION SURFACE. 7. EXTERNAL FIBERGLASS INSULATION WRAP (1.5 LB) W/ POLY-SCORAKRAFT FACING. GENERAL NOTES: 1. ALL METAL DUCTWORK SPECIFIED TO RECEIVE INTERIOR THERMAL AND ACOUSTICAL LINER IS SIZED ON PLANS TO EXCLUDE THE PROPER THICKNESS OF INSULATION. 2. APPROVED HEIGHT AND WIDTH OF DUCTWORK TO ACCOMMODATE THICKNESS OF INSULATION AS INDICATED IN THE SCHEDULE ABOVE.					
3. APPROVED INSULATION MANUFACTURERS: KNAUF, OWENS CORNING, JOHNS-MANSVILLE, CERTANTEED, ARMAFLEX AF. MINIMUM R-4.2 INCH. NOT TO EXCEED 2550 FLAME/SMOKE DEVELOPMENT TESTING.					

AIR HANDLER UNIT SCHEDULE										
MARK	MANUFACTURER	MODEL #	SA (CFM)	OA (CFM)	EXTERNAL STATIC	ELEC HEAT (KW/STAGES)	VOLTAGE/ PHASE	MCA	MOCP	NOTES
AH1	DAIKIN	DV50FTCD14	1600	245	0.5"	10Y	240Y	55.5	75	1,2,3

AIR HANDLER NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES WET COIL, EXCLUDES FILTER LOSS.
2. PROVIDE FRONT ACCESSIBLE FILTER RACK AND 2" FILTER EQUAL TO FAN 303D WITH MERV 7 MINIMUM RATING.
3. PROVIDE SINGLE POINT (OR MULTIPLE POINT WHERE INDICATED) POWER CONNECTION WITH CIRCUIT BREAKER DISCONNECTING MEANS.

COIL / HEAT PUMP UNIT SCHEDULE										
MARK	MANUFACTURER	EVAP. COIL MODEL #	COND. UNIT MODEL #	ENTERING AIR DBWB	SENSIBLE MBH	TOTAL MBH	VOLTAGE/ PHASE	MCA	MCCP	NOTES
HP1	DAIKIN	W14HJ	DZ16TCD491C	72B3	35.1	42.3	240V	26.5	40	1,2,3

1. PROVIDE REFRIGERANT LINE SET(S) SIZED PER MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE ALL REFRIGERATION SYSTEM ACCESSORIES REQUIRED BY MANUFACTURER FOR GREEN LINE SET ROUTING.
3. PROVIDE ENERGY STAR RATED, 7-DAY PROGRAMMABLE THERMOSTAT WITH REMOTE SENSOR WHERE INDICATED.

WATER HEATER SCHEDULE									
MARK	MANUFACTURER	MODEL #	TYPE	GALLON CAPACITY	RECOVERY (GPH @ 100 F. RISE)	KW	MCA	VOLTAGE/ PHASE	NOTES / ACCESSORIES
WH1	BRADFORD WHITE	LE140L3-3	ELEC	40	18	4.5	21.6	240V	1,2,3

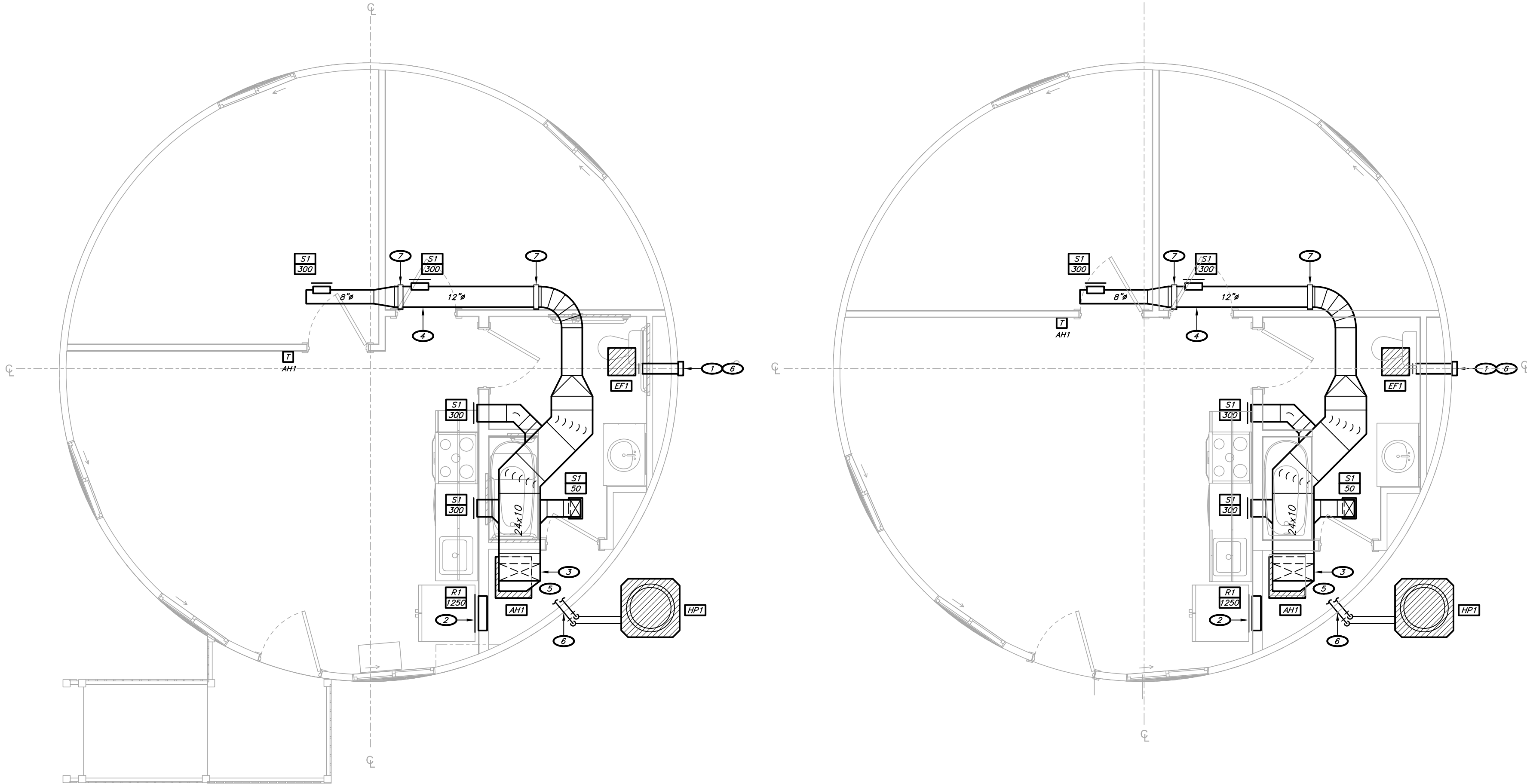
NOTES:
1. THERMAL EXPANSION TANK EQUIVALENT TO AMTROL MODEL ST-5.
2. DRAIN VALVE WITH THREADED HOSE CONNECTION.
3. PROVIDE ASME PRESSURE AND TEMPERATURE RELIEF VALVE.
4. PROVIDE WALL SHELF/BROCKET FOR FULL HEIGHT OF WATER HEATER.

PIPING MATERIAL SCHEDULE													
SYSTEM	PIPING					FITTINGS		MAXIMUM WORKING		FIELD TEST		NOTES	
	SIZE	TYPE	SCHEDULE	GRADE	ASTM / ANSI	MATERIAL	TYPE	PRESSURE (PSI)	TEMP (DEG F)	PRESSURE (PSI)	TIME (HOURS)		
CONDENSATE DRAIN ABOVE GRADE	ALL	M	-	-	B88	COPPER	DR / SJ	10 FT	40-70	10 FT	1	-	
DOMESTIC WATER ABOVE GRADE	0.5"-2"	PEX	-	-	E877	PEX	BRONZE	MJ	120	40-180	150	1	7
DOMESTIC WATER SERVICE BELOW GRADE	ALL	PVC	-	-	AWWA C900	PVC	PVC	MJ	200	50-90	200	2	6
REFRIGERANT PIPING	ALL	ACR	-	-	E289	CP	SJ	150	40-180	200	4	-	
SANITARY WASTE BELOW GRADE	ALL	DWV	40	-	2665	PVC	PVC	DR / SW	10 FT	50-180	10 FT	1	-
SANITARY WASTE AND VENT ABOVE GRADE	ALL	DWV	40	-	2665	PVC	PVC	DR / SW	10 FT	50-180	10 FT	1	5.3
TEMPERATURE & PRESSURE RELIEF DRAIN	ALL	M	-	-	B88	COPPER	COPPER	DR / SJ	10 FT	40-70	10 FT	1	-

NOTES:
1. THE USE OF CELLULAR CORE PVC WASTE AND VENT PIPING IS STRICTLY PROHIBITED.
2. THE USE OF CPVC AND POLYBUTYLENE PIPING IS STRICTLY PROHIBITED.
3. SANITARY WASTE AND VENT PIPING LOCATED WITHIN RETURN AIR FLEUMS SHALL BE CAST IRON OR SHALL BE ENCLOSED IN A GYPSUM BOARD SOFFIT.
4. NATURAL GAS PIPING INSTALLED IN RETURN AIR FLEUMS AND CONCEALED SPACES SHALL HAVE APPROVED FITTINGS ONLY. VALVES, UNIONS, THREADS, FITTINGS, ETC. ARE NOT PERMITTED.
5. NATURAL GAS INSTALLED OUTSIDE SHALL BE PAINTED WITH TWO COATS OF UV RESISTANT ENAMEL PAINT. COLOR TO MATCH WALL COLOR OR EXTERIOR WALL VERTICAL RUNS AND YELLOW ON THE ROOF.
6. VERIFY PAINT COLOR WITH ARCHITECT BEFORE INSTALLATION.
7. PROVIDE PIPING MATERIAL PER LOCAL WATER COMPANY REQUIREMENTS IF DIFFERENT THAN SCHEDULED.
8. PROVIDE FULL-PORT BRASS FITTINGS.
9. PROVIDE INDIVIDUAL HAND-SHOWN COMPRESSED AIR PIPING EQUIVALENT.

APPROVED PIPE & FITTING MANUFACTURERS:
CAST IRON: CHARLOTTE TYLER, CENTRAL TOWNERY OR PRE-BID APPROVED EQUAL.
COPPER: CERRO, CHASE, MUELLER, REVERE, COPPER OR PRE-BID APPROVED EQUAL.
PEX-B: WATTS, VEGA, OR PRE-BID APPROVED EQUAL.
PVC (SOLID): CHARLOTTE TYLER, CHEMROL OR PRE-BID APPROVED EQUAL. PVC (PERFORATED): CHARLOTTE TYLER, ADS 3000 (HDP) OR PRE-BID APPROVED EQUAL.
CARBON STEEL: LANCO, YOUNGSTOWN, UNITED STATES STEEL OR PRE-BID APPROVED EQUAL. GROOVED FITTINGS: VITACULIC, GROULOCK OR PRE-BID APPROVED EQUAL.

ABBREVIATIONS:
BS - BALL AND SPOT
CS - CAST IRON
CS - CARBON STEEL
CW - CONTINUOUS WELD
DI - DUCTILE IRON
DR - DRAINAGE FITTING
DWV - DRAINAGE WASTE AND VENT
HDP - HIGH DENSITY POLYETHYLENE
MJ - MECHANICAL JOINT
NS - NODUPRE GASKET
CSST - CORRUGATED STAINLESS STEEL
SI - SOLDER
SH - 95.5% ANTIMONY SOLDER JOINT
SS - STANDARD STRENGTH / SERVICE WEIGHT
SW - SOLVENT WELD



ADA UNIT
HVAC PLAN

1/4" = 1'-0"

STANDARD UNIT
HVAC PLAN

1/4" = 1'-0"

ALTERNATE BID SPECIAL NOTES:
ALTERNATE BID #1: SHALL INCLUDE NO HVAC WORK.
ALTERNATE BID #2: SHALL INCLUDE NO HVAC WORK.
ALTERNATE BID #3: SHALL INCLUDE ALL HVAC WORK.

KEYNOTES:
1. 4" EXHAUST DUCT TO WALL CAP, COORDINATE FOR HORIZONTAL ROUTING OF EXHAUST DUCT THROUGH EXTERIOR WALL OF YURT.
2. INSTALL RETURN GRILLE AS HIGH AS POSSIBLE.
3. 24x10 SUPPLY DUCT DOWN TRANSITION TO AIR HANDLING UNIT OPENING. INSTALL UNIT ON FULL-SIZE RETURN PLENUM WITH SIDE OPENING.
4. GALVANIZED DOUBLE-WALL SPIRAL DUCTWORK WITH PERFORATED INTERIOR LINING AND PAINT GRP FINISH. COORDINATE FOR FIELD PAINTING IN COLOR SELECTED BY ARCHITECT.
5. REFRIGERANT LINES TO AIR HANDLING UNIT. SIZE AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
6. REFER TO ARCHITECTURAL DRAWINGS FOR PENETRATION DETAIL.
7. PROVIDE PAINTED TUBE STEEL, WALL-MOUNTED DUCT SUPPORT. DETAILING SUBJECT TO APPROVAL BY ARCHITECT. COLOR SELECTED BY ARCHITECT TO MATCH DUCTWORK.

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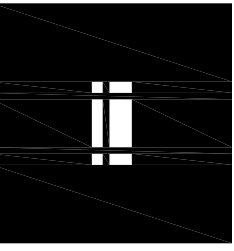
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6/15/2023

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2216-01
SITE # 5603
FACILITY # 7815603031

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ISSUE DATE: JANUARY 17, 2023

CAD DWG FILE: X2216-01_E-101
DRAWN BY: AKD
CHECKED BY: AKD
DESIGNED BY: AKD

SHEET TITLE:
ELECTRICAL
PLANS

SHEET NUMBER:

E-101

31 OF 32 SHEETS

SPECIAL NOTE:

ALL MANUFACTURER'S LISTED FOR PRODUCTS, EQUIPMENT, ETC. SHALL BE CONSIDERED BASIS OF DESIGN. REFER TO GENERAL NOTES AND SPECIFICATIONS FOR LISTING OF PRE-APPROVED EQUIVALENT MANUFACTURERS. SUBMIT OTHER MANUFACTURER'S FOR APPROVAL PRIOR TO BID.

DISCONNECT SWITCH SCHEDULE

MARK	LOAD	VOLTAGE	DUTY	AMP	POLE	TYPE	OVERCURRENT PROTECTION	NEMA	NOTES & ACCESS
USA	HEAT PUMP/HPT	208	GD	60	2	NP	SEPR - MODEL	AMP	KAC - ENCLOSURE
ACCESSORIES:									
1. GROUND LUG KIT							ABBREVIATIONS:		
2. SOLID NEUTRAL							CB - ENCLOSED CIRCUIT BREAKER		
3. NEUTRAL BONDING JUMPER							GD - GENERAL DUTY		
4. SERVICE ENTRANCE RATING							HD - HEAVY DUTY		
5. DISCONNECT SWITCH SHALL BE LOCKABLE IN THE OPEN POSITION							NP - NON-FUSIBLE		

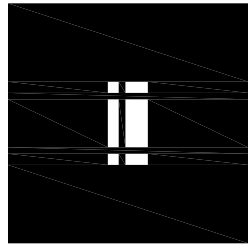
PANELBOARD SCHEDULE

VOLTAGE:	120/208	POLES:	16	MOUNTING:	FLUSH	LOCATION:	BEDROOM					
PHASE / WIRE:	1 / 3	KAC/AMPS (RMS):	10	ENCLOSURE:	NEMA 1	MANUFACTURER:	SQUARE					
AMPS:	100	MOB/BALE:	100	FED FROM:	MDPT	MODEL:	HOMELINE					
ENCLOSURE ACCESSORIES:												
CH, FL	EQUIPMENT SERVED			EQUIPMENT SERVED			CH, FL					
CB AMPS	CB POLES	CB KAC	PHASE LOADS (VA)	CB AMPS	CB POLES	CB KAC	PHASE LOADS (VA)					
1	AIR HANDLER/AMA	75	2	HACR	5424	7974	2500	HACR	2	20	HEAT PUMP/HPA	4
3					5424	7974	2500					4
5	REFRIGERATOR	20	1	AF-CI	1000	2500	1000	AF-CI	1	20	MICROWAVE	6
7	KITCHEN LIGHTS AND RECEPTACLES	20	1	AF-CI	700	2200	1000	AF-CI	1	20	BATHING ROOM RECEPTABLES	8
9	BEDROOM LIGHTS AND RECEPTACLES	20	1	AF-CI	1400	1900	800	AF-CI	1	20	BATHING ROOM LIGHTS AND RECEPTABLES	10
11	BEDROOM LIGHTS & RECEPTABLES	20	1	AF-CI	1300	3000	2250	-	2	25	WATER HEATER	12
13	APPLIANCE RECEPTABLES	20	1	-	1000	3200	2250	-	2	40	RANGE/OVEN	14
15	APPLIANCE RECEPTABLES	20	1	-	1000	4540	3840	-	2	40	RANGE/OVEN	16
17	APPLIANCE RECEPTABLES	20	1	-	1000	4540	3840	-	-	-		18
19	EXTENSION RECEPTABLES AND LIGHTING	20	1	-	800	2000	1800	-	-	-	SEWAGE PUMP	20
21	SPACE	-	1	-	-	-	-	-	-	-	SPACE	22
23	SPACE	-	1	-	-	-	-	-	-	-	SPACE	24
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1/17/2023

hdesigngroup
architecture + design



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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES
MISSOURI STATE PARKS

TABLE ROCK STATE PARK
REPLACE 5 BASIC SITES
WITH 5 PREMIUM YURTS

TABLE ROCK STATE PARK
CAMPGROUND #2
5272 STATE HWY 165
BRANSON, MISSOURI 65616

PROJECT # X2216-01
SITE # 5603
FACILITY # 7815603031

REVISION: _____
DATE: _____
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DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: JANUARY 17, 2023

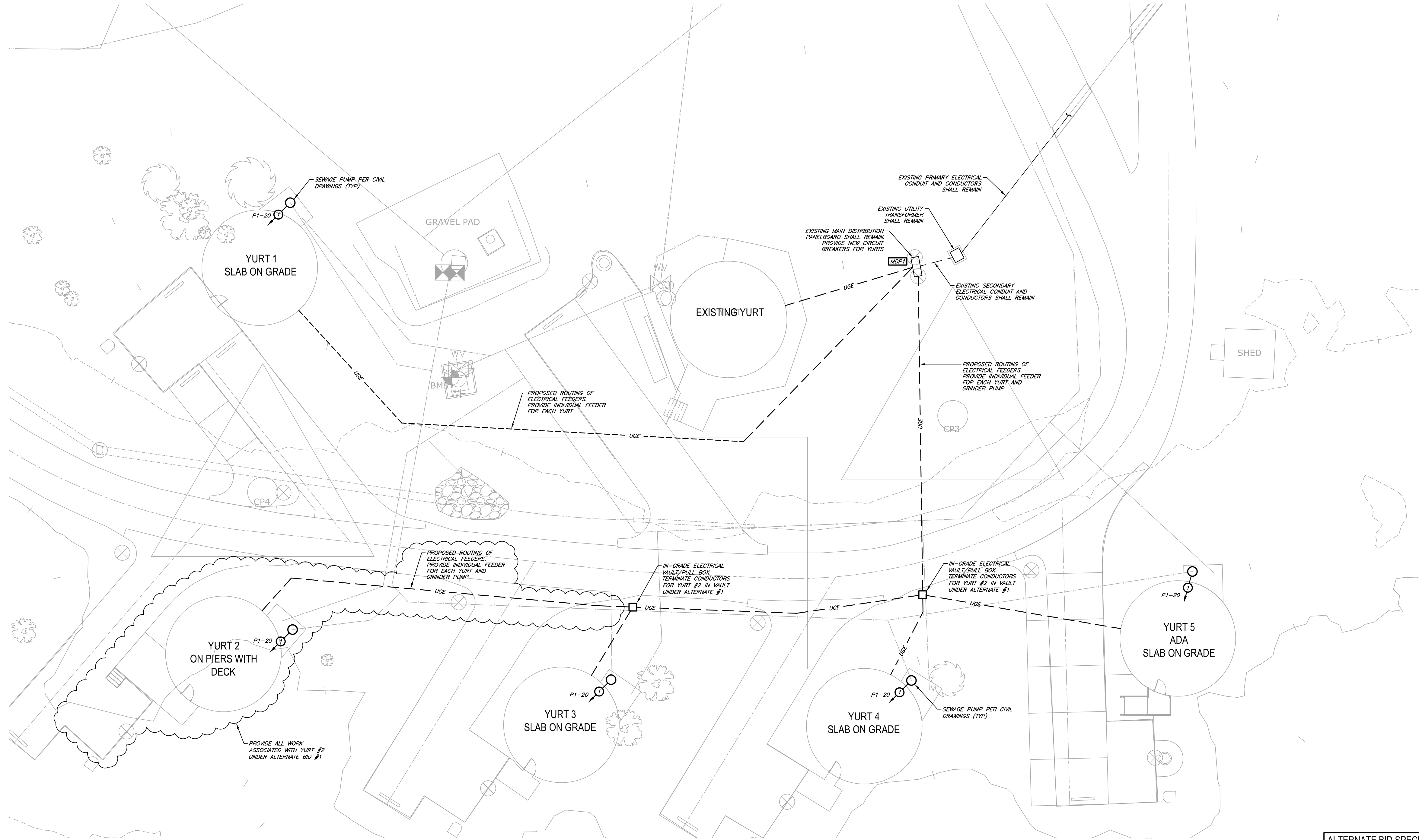
CAD DWG FILE: X2216-01_SE-101
DRAWN BY: AKD
CHECKED BY: AKD
DESIGNED BY: AKD

SHEET TITLE:
SITE ELECTRICAL
PLAN

SHEET NUMBER:

SE-101

32 OF 32 SHEETS



ALTERNATE BID SPECIAL NOTES:

ALTERNATE BID #1 SHALL INCLUDE ELECTRICAL SERVICE, SITE ELECTRICAL EQUIPMENT/GEAR, AND SITE ELECTRICAL CONDUITS.

ALTERNATE BID #2 SHALL INCLUDE NO SITE ELECTRICAL WORK.

ALTERNATE BID #3 SHALL INCLUDE SITE ELECTRICAL CONDUITORS.



Engineering | Energy | Innovation

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1 SITE ELECTRICAL PLAN
1"=150'-0"

