

9354.00 - DOC ASP LUC PLUMBING REPAIRS

ANAMOSA STATE PRISON


406 N. HIGH STREET, ANAMOSA, IA 52205
RFB# 935400-01

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CERTIFICATIONS

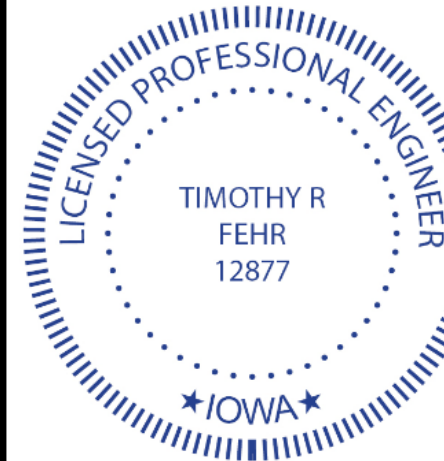
ARCHITECT



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SIGNATURE: *Darrell P. Frett* DATE: October 22, 2024
 PRINTED OR TYPED NAME: **Darrell P. Frett**
 LICENSE NUMBER: **3529**
 MY LICENSE RENEWAL DATE IS JUNE 30, **2024**
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ALL G AND A SHEETS

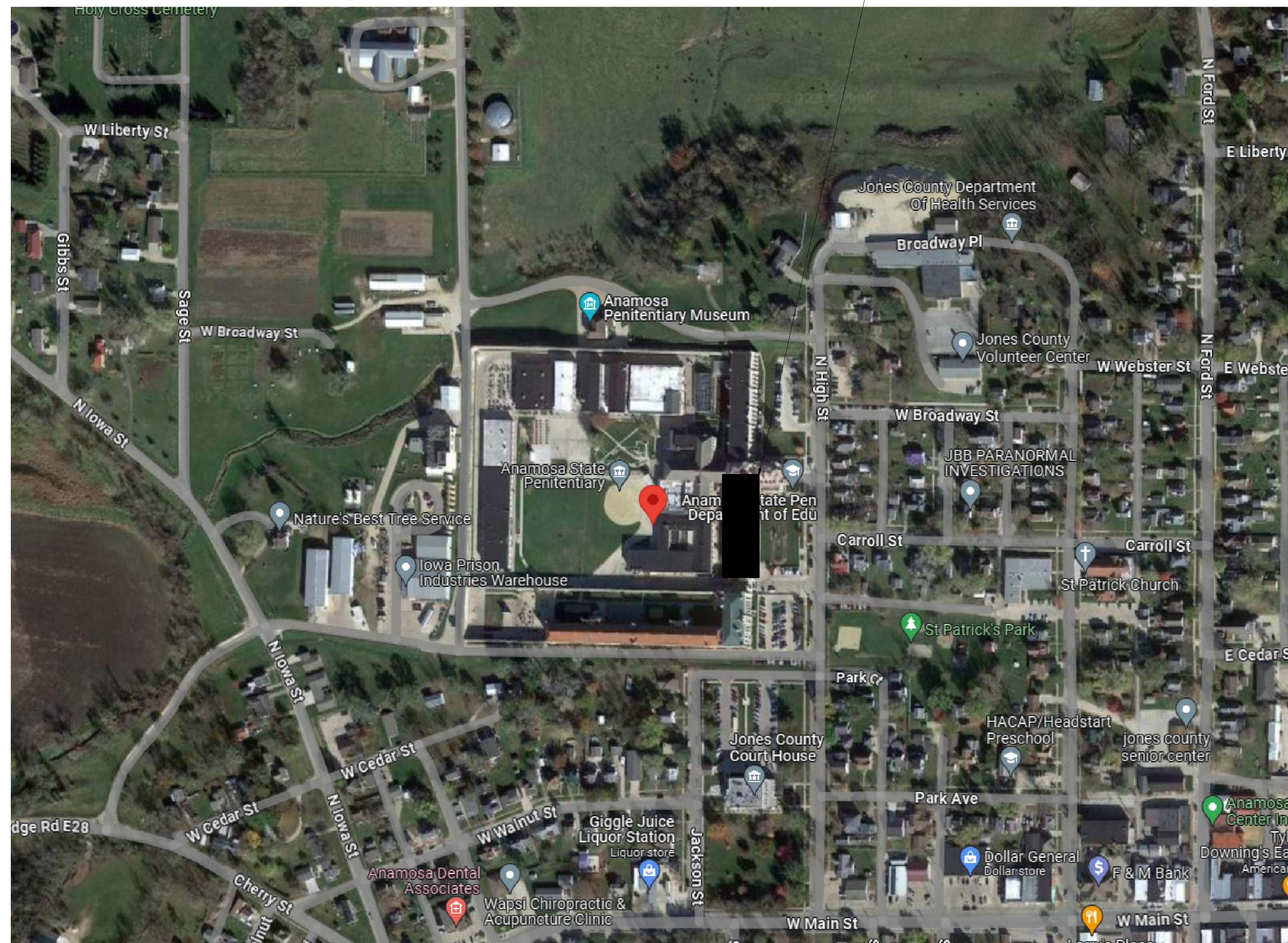
MECHANICAL ENGINEER



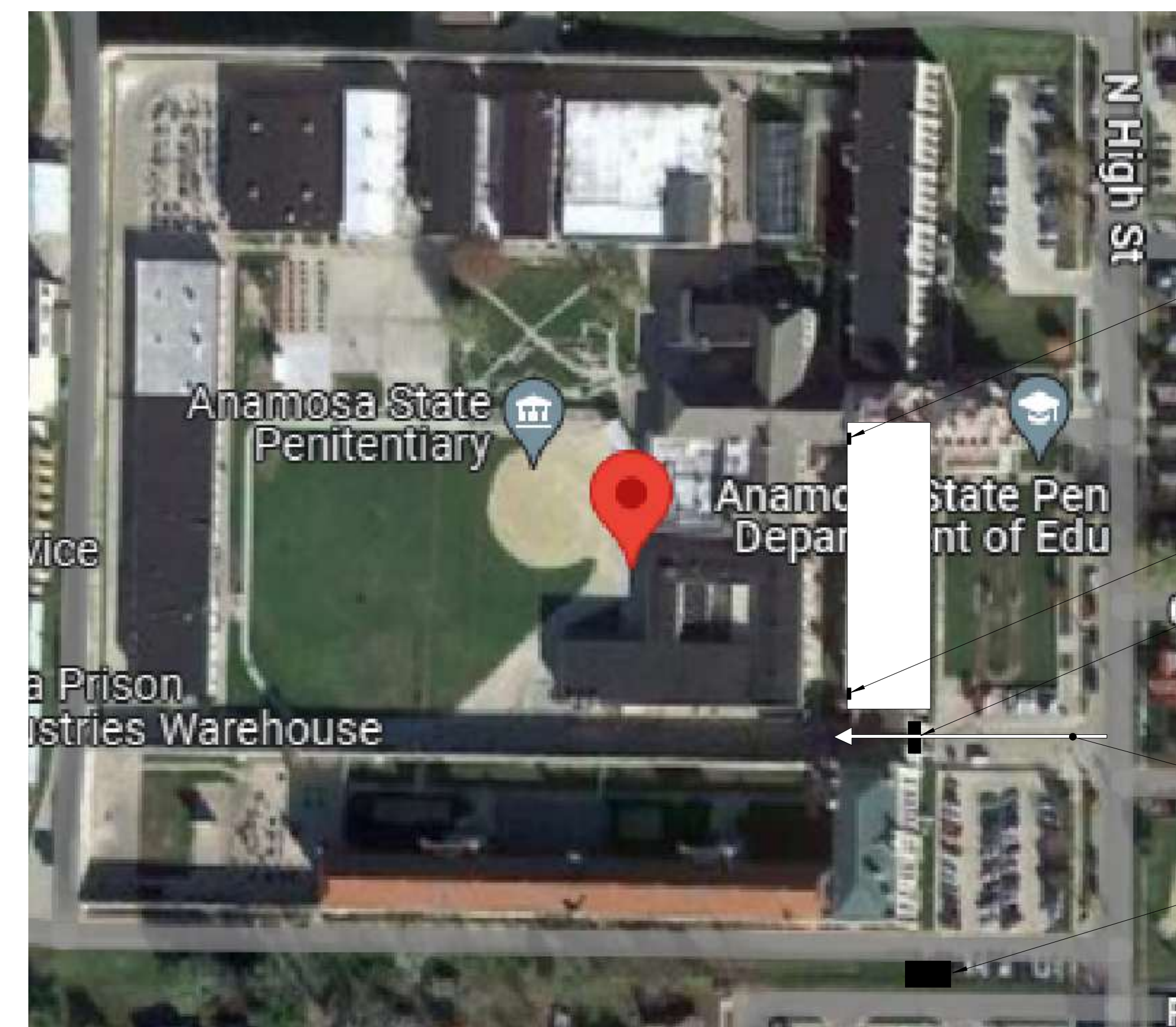
THEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: *Timothy R. Fehr* DATE: October 22, 2024
 PRINTED OR TYPED NAME: **Timothy R. Fehr**
 LICENSE NUMBER: **12877**
 MY LICENSE RENEWAL DATE IS DECEMBER 31, **2025**
 PAGES, SHEETS OR DIVISIONS COVERED BY THIS SEAL:
ALL P SHEETS

PROJECT LOCATION:
CELL BLOCK, ALL FLOORS



1 PROJECT LOCATION MAP
12" = 1'-0" 0 1.5"



2 CONTRACTOR ACCESS PLAN
12" = 1'-0" 0 1.5"

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ANAMOSA STATE PRISON
406 N. HIGH STREET, ANAMOSA, IA 52205
RFB# 935400-01

ISSUED FOR: BID
PROJECT ISSUE DATE: 10/09/2024

PROJECT NUMBER: 2112309650

G000

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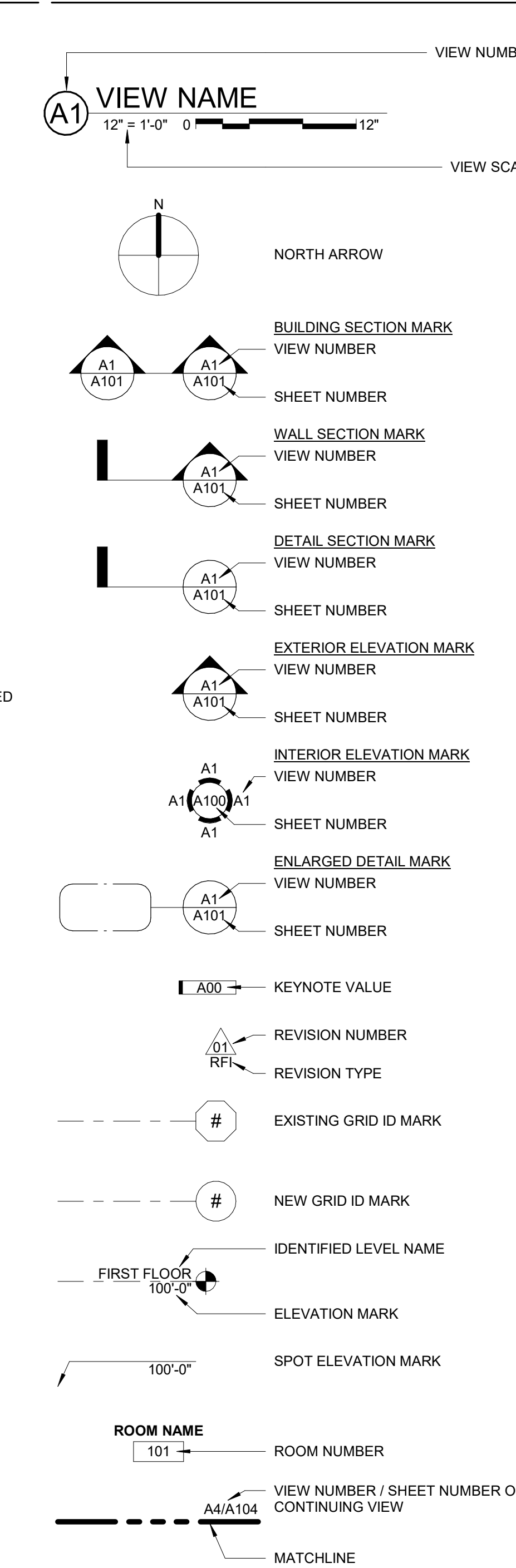
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H

ABBREVIATIONS

SYMBOLS	ABBREVIATIONS	SYMBOLS	ABBREVIATIONS
&	AND	KO	KNOCKOUT
@	AT	LAV	LAVATORY
#	NUMBER or POUND	LF	LINEAR FOOT
		LH	LEFT HAND
A/E	ARCHITECT / ENGINEER	LHR	LEFT HAND REVERSE
ACP	ACOUSTICAL CEILING PANEL	LLV	LONG LEG VERTICAL
ADA	AMERICANS WITH DISABILITIES ACT	LVL	LAMINATED VENEER LUMBER
ADAA	AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES	LVT	LUXURY VINYL TILE
ADD	ADDENDUM	M	MAINTENANCE
ADJ	ADJUSTABLE or ADJACENT	MATL	MATERIAL
ADMIN	ADMINISTRATION	MAX	MAXIMUM
AFI	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AHJ	AUTHORITY HAVING JURISDICTION	MEZZ	MEZZANINE
AHU	AIR HANDLING UNIT	MFRG	MANUFACTURING
AL or ALUM	ALUMINUM	MFR	MANUFACTURER
ALT	ALTERNATE	MIC	MICROPHONE
AP	ACCESS PANEL	MIN	MINIMUM or MINUTE
APA	AMERICAN PLYWOOD ASSOCIATION	MISC	MISCELLANEOUS
APPROX	APPROXIMATE (LY)	MO	MASONRY OPENING
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	MTD	MOUNTED
AUTO	AUTOMATIC (DOOR OPERATOR)	MTL	METAL
AVE	AVENUE	N	NOT
AVG	AVERAGE	N/A	NOT APPLICABLE
		NEC	NATIONAL ELECTRICAL CODE
B/O	BOTTOM OF	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BLDG	BUILDING	NIC	NOT IN CONTRACT
BLVD	BOULEVARD	NOM	NOMINAL
BRG	BEARING	NRC	NOISE REDUCTION COEFFICIENT
		NRCA	NATIONAL ROOFING CONTRACTORS ASSOCIATION
CCTV	CLOSED CIRCUIT TELEVISION	NTS	NOT TO SCALE
CG	CORNER GUARD	O	ON CENTER
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	OC	ON CENTER
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED	OD	OUTSIDE DIAMETER
CJ	CONSTRUCTION CONTROL JOINT	OFI	OWNER FURNISHED CONTRACTOR INSTALLED
CL	CENTER LINE	OFI	OWNER FURNISHED OWNER INSTALLED
CLG	CEILING	OPP	OPPOSITE
CLG HT	CEILING HEIGHT	OHD	OVERHEAD DOOR
CLR	CLEAR (ANCE)		
CMU	CONCRETE MASONRY UNIT	P	PAINT
CO	CLEANOUT	PERP	PERPENDICULAR
COL	COLUMN	PKWY	PARKWAY
CONC	CONCRETE	PL	PLATE or PLASTIC LAMINATE
CONF	CONFERENCE	PLAM	PLASTIC LAMINATE
CONST	CONSTRUCTION	PLWD	PLYWOOD
CORR	CORROSION	PR	PAIR
CPT	CARPET	PRFAB	PREFABRICATED
CT	CERAMIC TILE	PREFIN	PREFINISHED
CTRL	CONTROL	PREP	PREPARE (ATION)
CF	CUBIC FEET	PSF	POUNDS PER SQUARE FOOT
CW	COLD WATER	PSI	POUNDS PER SQUARE INCH
		R	RAD or RADIUS
DBL	DOUBLE	RCI	ROOF CONSULTANTS INSTITUTE
DEG	DEGREE	RCP	REFLECTED CEILING PLAN
DEMO	DEMOLITION/ DEMOLISH	RD	ROOF DRAIN
DEPT	DEPARTMENT	REIN	REINFORCE (D) (ING) (MENT)
DF	DRINKING FOUNTAIN	REQD	REQUIRED
DIA	DIAMETER	RESIL	RESILIENT
DISP	DISPENSER	RF	RADIO FREQUENCY
DN	DIVISION	RH	RIGHT HAND
DN	DOWN	RHR	RIGHT HAND REVERSE
DTL	DETAIL	RM	ROOM
DS	DOWNPOUT	RO	ROUGH OPENING
DW	DISHWASHER	VTR	VENT THROUGH ROOF
DWG	DRAWING		
DWGS	DRAWINGS	S	SANITARY
		SAN	SCHEDULE
EA	EACH	SCHED	SECTION
EF	EPOXY FLOORING or EXHAUST FAN	SF	SQUARE FOOT
EJ	EXPANSION JOINT	SHT	SHEET REFERRING TO PAGES
ELEC	ELECTRIC/ ELECTRICAL	SIM	SIMILAR
ELEV	ELEVATION	SH	SHIVE-HATTERY
EL	ELEVATOR	SOG	SLAB ON GRADE
ENGR	ENGINEER	SPEC(S)	SPECIFICATION(S)
EP	EPOXY PAINT	SQ	SQUARE
EPXY	EPOXY	SQ IN	SQUARE INCH
EQ	EQUAL	SS	SOLID SURFACE or STAINLESS STEEL
EQUIP	EQUIPMENT	ST	STREET or STONE
EXIST	EXISTING	STAG	STAGGERED
		STC	SOUND TRANSMISSION CLASS
F	FOUNDATION	STD	STANDARD
FDN or FNDN	FOUNDATION	STL	STEEL
FE	FIRE EXTINGUISHER	STRUC	STRUCTURE (AL)
FEC	FIRE EXTINGUISHER CABINET	SYM	SYMMETRICAL
FFE	FINISH (ED) FLOOR ELEVATION		
FHC	FIRE HOSE CABINET	T/O	TOP OF
FL	FLOOR	TAG	TONGUE AND GROOVE
FLR	FLOOR (ING)	TAN	TANGENT
FM	FM GLOBAL	TBD	TO BE DETERMINED
FRP	FIBERGLASS REINFORCED PANEL	TEL	TELEPHONE
FT	FOOT (FEET)	TEMP	TEMPORARY
FTG	FOOTING	THRU	THROUGH
FURN	FURNITURE	TV	TELEVISION
		TYP	TYPICAL
G	GAGE or GAUGE	U	UNDERWRITERS LABORATORIES UNLESS NOTED OTHERWISE
GAL	GALVANIZED	UL	UNDERWRITERS LABORATORIES UNLESS NOTED OTHERWISE
GB	GRAB BAR	UNO	UNLESS NOTED OTHERWISE
GC	GENERAL CONTRACTOR	V	VINYL BASE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	VCT	VINYL COMPOSITION TILE
GWB	GYPSON WALLBOARD	VERT	VERTICAL
		VIF	VERIFY IN FIELD
HDWD	HARDWOOD	VT	VINYL TILE
HDWR	HARDWARE	VTR	VENT THROUGH ROOF
HM	HOLLOW METAL	VWC	VINYL WALL COVERING
HORIZ	HORIZONTAL	W	WIDTH
HR	HOUR	W/	WITH
HT	HEIGHT	W/O	WITHOUT
HVAC	HEATING, VENTILATION, AIR CONDITIONING	WC	WATER CLOSET or WALL COVERING
HW	HOT WATER	WT	WALL TILE or WEIGHT
		WTR	WATER
IBC	INTERNATIONAL BUILDING CODE		
ICC	INTERNATIONAL CODE COUNCIL		
ID	IDENTIFICATION or INSIDE DIAMETER		
IN	INCHES		
INCL	INCLUDE		
INFO	INFORMATION		
JAN	JANITOR		
JC	JANITOR'S CLOSET		
JST	JOIST (S)		
JT	JOINT		

GENERAL SYMBOLS LEGEND



PROJECT GENERAL INFORMATION

- ANY DAMAGE TO AREAS INSIDE OR OUTSIDE OF THE PROJECT AREA SHALL BE REPAIRED TO THE STATUS PRIOR TO CONSTRUCTION AT NO COST TO OWNER.
- THE GENERAL CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR ALL CUTTING, SUPPORTING, AND PATCHING IF NOT COVERED BY A SPECIFIC TRADE.
- STRUCTURAL STEEL MEMBERS AND DECKING PROFILES, AS INDICATED ON ARCHITECTURAL DETAILS, ARE DIAGRAMMATIC AND MAY VARY FROM ACTUAL PROFILES AND SIZES SPECIFIED IN THE STRUCTURAL DRAWINGS. IN ALL CASES STRUCTURAL DRAWINGS SHALL GOVERN. FIELD VERIFY EXISTING PROFILE DIMENSIONS WHEN REQUIRED TO MATCH OR REPLACE EXISTING. NOTE CHANGES REQUIRED TO ARCHITECTURAL DETAILS IN SHOP DRAWINGS.
- EACH TRADE SHALL PROVIDE TESTED FIRESTOPPING ASSEMBLIES FOR PENETRATIONS OF THEIR WORK THROUGH FIRE-RATED WALLS AND FLOOR/CEILING ASSEMBLIES. FIRESTOPPING ASSEMBLIES ARE TO BE OF DESIGNS THAT PROVIDE THE SCHEDULED FIRE RATINGS WHEN TESTED IN ACCORDANCE WITH ASTM E119, ASTM E814, OR UL 1479 AND ARE TO BE INSTALLED BY INDIVIDUALS TRAINED AND EXPERIENCED WITH INSTALLATION OF SUCH ASSEMBLIES. PROVIDE SUBMITTALS TO LOCAL AUTHORITIES AS REQUESTED.
- IF COMPLIANCE WITH TWO OR MORE STANDARDS IS SPECIFIED AND THE STANDARDS ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES OR QUALITY LEVELS, COMPLY WITH THE MOST STRINGENT REQUIREMENT. REFER UNCERTAINTIES AND REQUIREMENTS THAT ARE DIFFERENT, BUT APPARENTLY EQUAL, TO ARCHITECT FOR A DECISION BEFORE PROCEEDING.
- THE FACILITY CONDUCTED A HAZARDOUS MATERIAL SURVEY AND FOUND NLEAD BASED PAINT ON THE HAND RAILS AND METAL. COORDINATE WITH OWNER ABATEMENT WHEN CUTTING THE HAND RAILS.
- OBTAIN AND MAINTAIN A COMPLETE SET OF OWNER-PROVIDED EQUIPMENT DOCUMENTS, INCLUDING ADDENDA AND CHANGES AFTER START OF CONSTRUCTION. FOR REFERENCE AND COORDINATION BY ALL TRADES. COORDINATE WITH EQUIPMENT INSTALLER ON INSTALLATION OF ALL EQUIPMENT.
- THE INDICATION OF TYPE AND LOCATION OF EXISTING CONDITIONS AND MATERIALS IN THE DRAWINGS IS NOT INTENDED AS EXACT DOCUMENTATION OF IN-PLACE CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS BEFORE SUBMISSION OF BIDS. EXISTING CONDITIONS VARYING FROM THOSE SHOWN IN THE DRAWINGS WILL NOT BE JUSTIFICATION FOR ADDITIONAL ALLOWANCE TO THE CONTRACTOR. NOTIFY THE ARCHITECT IMMEDIATELY IF ANY CONDITIONS CONFLICT WITH THE DRAWINGS.
- PROTECT ALL BUILDING SYSTEMS, NEW AND EXISTING. COVER SUPPLY, RETURN, AND EXHAUST AIR GRILLES, AND PROTECT OTHER SENSITIVE EQUIPMENT FROM ALL ACTIVITIES RELATED TO THIS CONTRACT. REMOVE PROTECTION AT END OF CONSTRUCTION.
- ALL DISSIMILAR METALS SHALL BE ISOLATED FROM EACH OTHER EVEN IF NOT SPECIFICALLY IDENTIFIED IN THE CONTRACT DOCUMENTS.
- ALL CODE-REQUIRED LABELS SUCH AS "UL", "FACTORY MUTUAL", OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, NAME, OR NOMENCLATURE PLATES SHALL REMAIN READABLE AND NOT PAINTED OR COVERED BY OTHER CONSTRUCTION.
- STRUCTURAL INFORMATION ON ARCHITECTURAL DRAWINGS IS FOR REFERENCE ONLY. STRUCTURAL INFORMATION ON STRUCTURAL DRAWINGS AND SPECIFICATIONS SHALL GOVERN.
- ARCHITECTURAL DIMENSIONS AND DESIGN INTENT ARE INDICATED ON ARCHITECTURAL DRAWINGS. IF THE INSTALLATION OF EQUIPMENT FROM OTHER TRADES INTERFERES WITH COMPLIANCE OF THE DESIGN INTENT, NOTIFY THE ARCHITECT BEFORE PROCEEDING.
- DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN LOCATION OF BUILDING ELEMENTS. IF DIMENSIONS ARE NOT AVAILABLE, CONTACT THE ARCHITECT.
- WHEN DIMENSIONS ON SMALL SCALE DRAWINGS CONFLICT WITH THOSE ON LARGE SCALE DRAWINGS, THE LARGE SCALE DRAWINGS GOVERN.

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SHIVE-HATTERY ARCHITECTURE+ENGINEERING

2639 NORTHGATE DRIVE
DUBLIN, IOWA CITY, IA 52245
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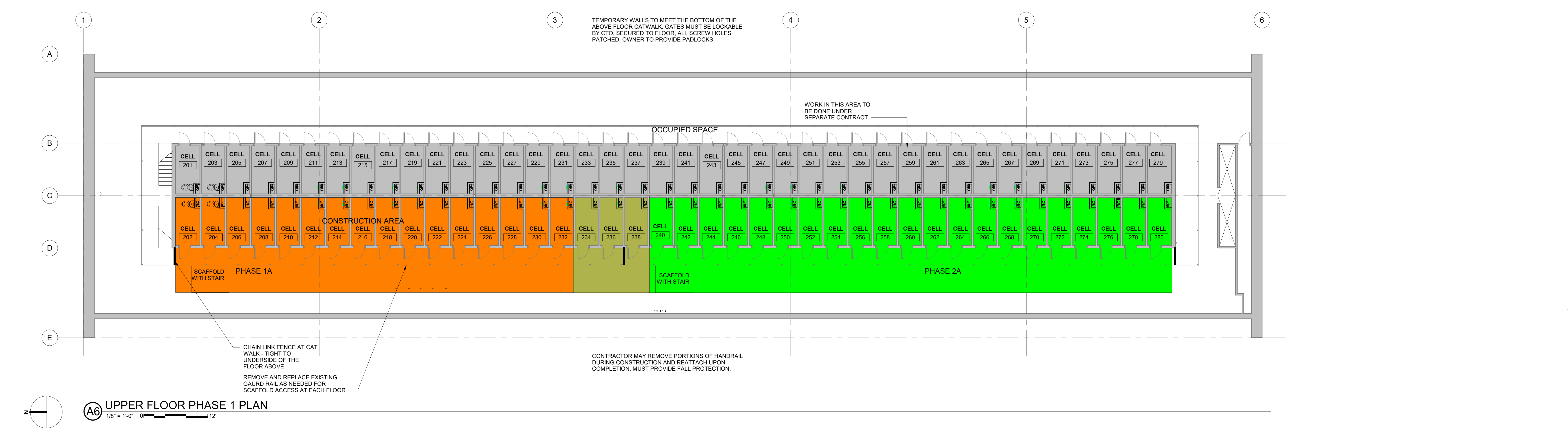
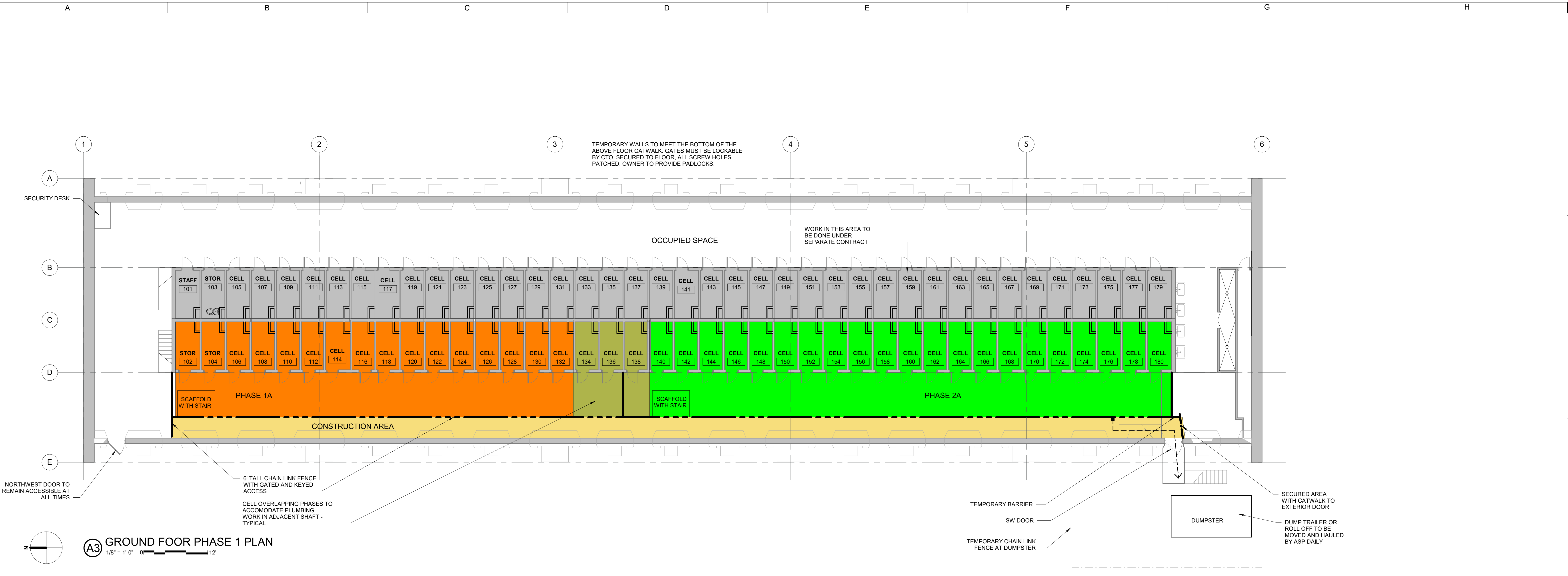
ANAMOSA STATE PRISON
1000 HIGH STREET, ANAMOSA, IA 52205
RFB# 93540001

DRAWN BY	SHH
APPROVED BY	DPF
ISSUED FOR	BID
ISSUE DATE	10/09/2024
PROJECT NUMBER	2112309650
FIELD BOOK	

PROJECT GENERAL INFORMATION
G001

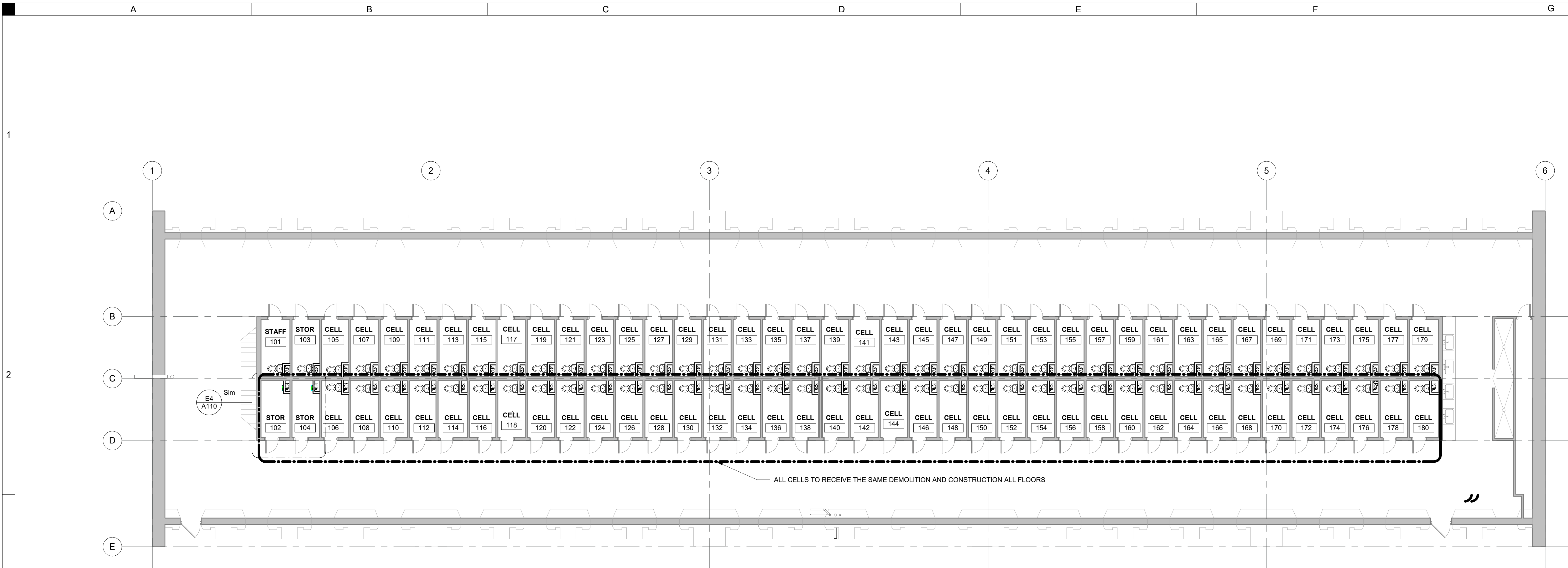
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FIELD BOOK	

**PROJECT PHASE 1
ONE WEST HALF
GENERAL PLANS**

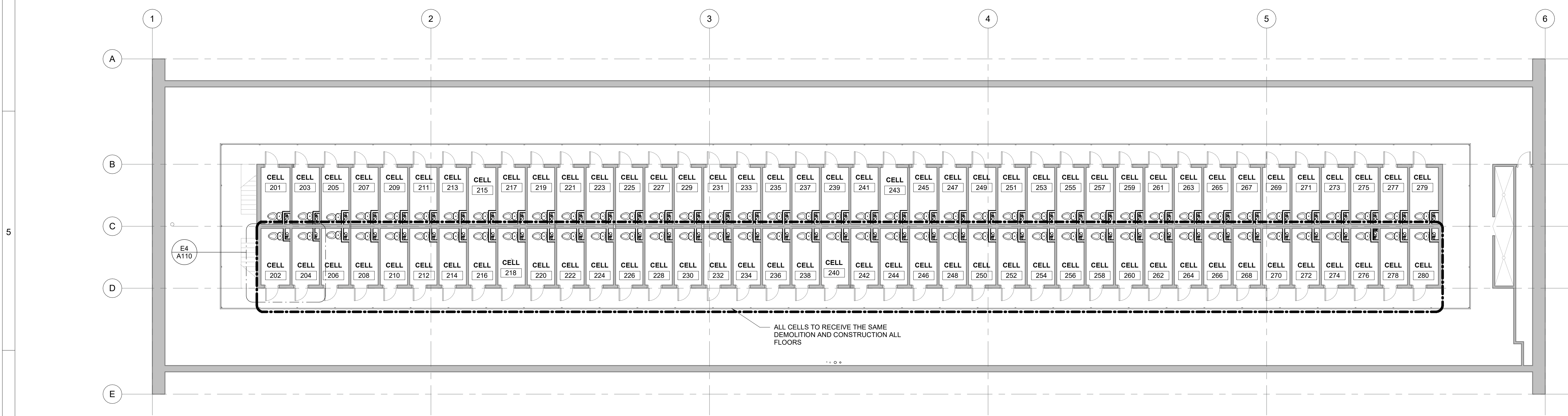


FLOOR PLAN NOTES

- COORDINATE THE LOCATION OF ALL WALL REINFORCEMENT AND BLOCKING PRIOR TO THE INSTALLATION OF THE WALL FINISH AND ACCESSORIES. PROVIDE BLOCKING FOR TOILET ACCESSORIES AS REQUIRED FOR ANCHORING IN PARTITIONS. WOOD BLOCKINGS TO BE FIRE RETARDANT WHERE REQUIRED BY CODE.
- REFER TO DRAWINGS OF ALL TRADES FOR ADDITIONAL INFORMATION REGARDING ITEMS PENETRATING FLOORS, WALLS, AND CEILINGS.
- ALL NEW PARTITIONS ARE DIMENSIONED TO FACE OF STUD, MASONRY, OR CONCRETE COMPONENT UNLESS NOTED OTHERWISE. DIMENSIONS TO EXISTING ELEMENTS ARE TO EXPOSED FACE.
- INSTRUCTIONS FOR CONCRETE FLOOR OPENING INFILL:
 - CLEAN AND PREPARE THE EXISTING CONCRETE FLOOR CLAB BY REMOVING ANY LOOSE MATERIALS OR DEBRIS THAT WOULD AFFECT ANY CONCRETE BONDING.
 - APPLY LATEX BONDING AGENT TO THE SIDES OF THE CONCRETE OPENING AND
 - PROVIDE REMOVABLE FORM WORK AT THE UNDERSIDE TO THE EXISTING SLAB. SEAL TO MINIMIZE CONCRETE LLEAKAGE.
 - DOWEL ONE #3 INTO EACH OF THE FACES WHERE THE OPENING IS LARGE ENOUGH TO INSTALL. EMBED THE REBAR 2" INTO THE EXISTING AND SET WITH EPOXY. IF THE OPENING IS NOT LARGE ENOUGH TO EMBED A REBAR, ROUGHEN UP THE FACE OF THE EXISTING CONCRETE TO ALLOW FOR THE NEW CONCRETE PATCH TO ADHEAR.
 - 3,000 PSI CONCRETE. USE SMALL AGGREGATE 1/2" DIAMETER AVERAGE.
 - FINISH - EXPOSED FORM SURFACE ON THE BOTTOM. LIGHT TROWEL FINISH ON THE TOP SIDE.
- INSTALL PREFABRICATED EPDM PIPE BOOTS AT EACH NEW PLUMBING VENT INSTALLATION COORDINATE LOCATION AND SIZE OF THE BOOT WITH PLUMBING PLANS. USE THE MANUFACTURE OF PIPING BOOT COMPATABLE WITH THE EXISTING ROOF MEMBRANE. ANY ADDITIONAL CUTTING AND PATCHING SHALL USE MATERIALS FROM THE ORIGINAL ROOFING MANUFACTURE.



A3 FLOOR 1 PROJECT SCOPE PLAN
1/8" = 1'-0" 0 12'



A6 FLOOR 2 PROJECT SCOPE PLANS
1/8" = 1'-0" 0 12'

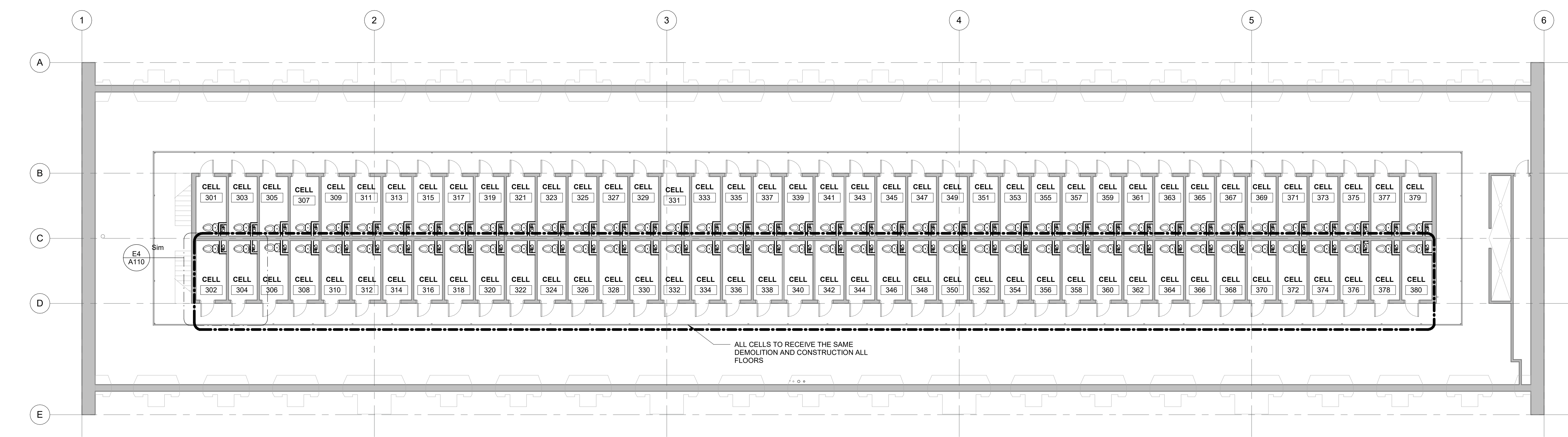
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DRAWN BY	SJR, CJY	DPP	
APPROVED BY		BID	
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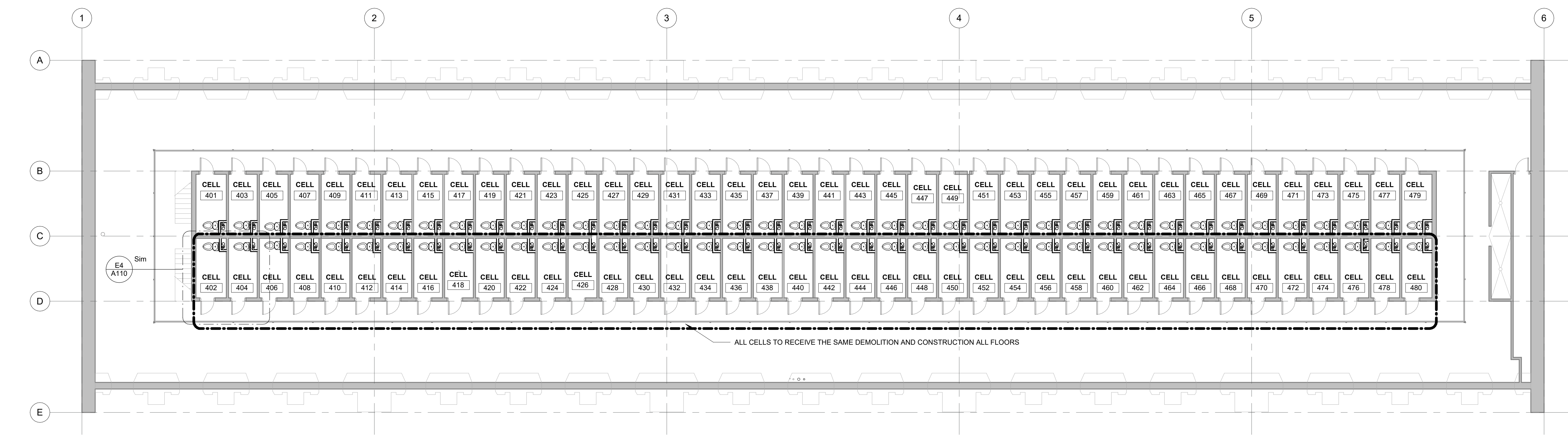
OVERALL FIRST AND SECOND ARCHITECTURAL FLOOR PLANS

FLOOR PLAN NOTES

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A3 FLOOR 3 PROJECT SCOPE PLAN
1/8" = 1'-0" 0' 12"



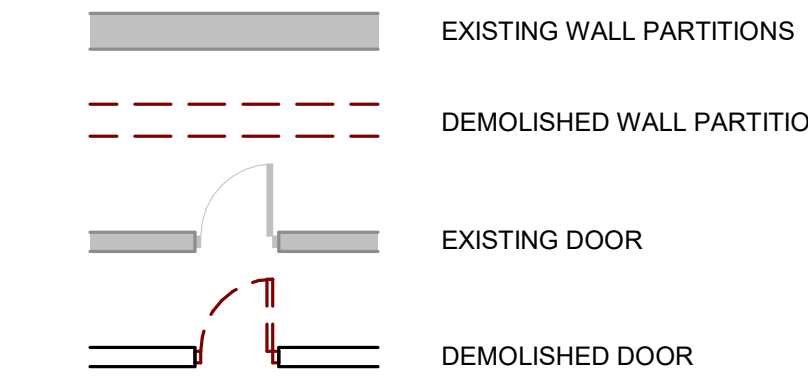
A6 FLOOR 4 PROJECT SCOPE PLAN
1/8" = 1'-0" 0' 12"

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APPROVED BY		BID	
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OVERALL THIRD AND FOURTH ARCHITECTURAL FLOOR PLANS

DEMOLITION PLAN SYMBOLS LEGEND



KEYNOTES - DEMOLITION

KEY	NOTE
AD01	REMOVE EXISTING LAVATORY AND ANY SUPPORTS OR HANGERS FROM WALL COMPLETE
AD02	REMOVE EXISTING WATER CLOSET AND ANY SUPPORTS OR HANGERS COMPLETE
AD03	REMOVE PLASTER, WIRE LATH AND STUDS COMPLETELY FOR PIPING REPLACEMENT, SEE PLUMBING
AD04	REMOVE CONCRETE PEDESTAL UNDER TOILET DOWN TO THE EXISTING CONCRETE SLAB. GRIND AND PATCH CONCRETE AS REQUIRED. COAT REMOVAL AREA WITH EPOXY PAINT. REPAIR WALL AT REMOVAL AND PREPARE FOR NEW FINISHES.

ARCHITECTURAL DEMOLITION NOTES

- FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION WORK. NOTIFY ARCHITECT IN WRITING OF DISCREPANCIES BETWEEN WORK SHOWN IN THE DRAWINGS AND FIELD CONDITIONS ENCOUNTERED.
- TO PROTECT OWNER AND CONTRACTOR, PHOTOGRAPHICALLY DOCUMENT EXISTING CONDITIONS TO REMAIN, PRIOR TO START OF DEMOLITION AND CONSTRUCTION ACTIVITIES. COPY ARCHITECT AND OWNER ON PHOTOGRAPHIC DOCUMENTATION.
- OPEN FLAME EQUIPMENT IS NOT PERMITTED FOR REMOVAL OF EXISTING WORK WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER.
- COORDINATE WITH OWNER ANY ITEMS TO BE SALVAGED.
- OWNER WILL REMOVE ALL NON-FIXED FURNISHINGS, EQUIPMENT, AND CABINETS FROM THE CONSTRUCTION AREA PRIOR TO START OF CONSTRUCTION UNLESS NOTED OTHERWISE.
- COORDINATE WITH OTHER TRADES CUTTING AND PATCHING REQUIRED FOR DEMOLITION OR NEW CONSTRUCTION.
- ANY DEMOLITION OR REMOVAL INDICATED IS SHOWN IN GENERAL TO PROVIDE THE EXTENT OF DEMOLITION AND IS NOT TO BE CONSIDERED AS A RECORD DRAWING OF EXISTING CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR IN FIELD VERIFICATION AND COORDINATION WITH THE ARCHITECT PRIOR TO COMMENCING WITH STATED WORK.
- ALL CONSTRUCTION TO REMAIN WHICH IS AFFECTED BY DEMOLITION SHALL BE PATCHED, BE PROPERLY ALIGNED AND FINISHED SO AS TO LEAVE NO EVIDENCE OF PATCHING OR REPAIR. REPAIR OR REPLACE ANY EXISTING CONSTRUCTION, MATERIALS, OR EQUIPMENT DAMAGED DURING DEMOLITION TO LIKE NEW CONDITION.
- THE CONTRACTOR IS TO RETURN SALVAGEABLE MATERIALS, INCLUDING BUT NOT LIMITED TO EQUIPMENT, AND FIXTURES TO THE OWNER AND STOCKPILE THEM IN AN APPROVED CONSTRUCTION AREA. DISPOSE OF THESE MATERIALS AFTER OWNER'S REVIEW AND APPROVAL.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL FINISHES (TO REMAIN) IN THE PROJECT AREA. COORDINATE WITH ARCHITECT AND OWNER PRIOR TO DEMOLITION.
- CONTRACTOR SHALL ENSURE THAT DUST AND DEBRIS ARE PREVENTED FROM ENTERING THE EXISTING HVAC SYSTEM AND ADJOINING SPACES WITH TEMPORARY BARRIERS.
- INDICATION OF NEW MATERIALS SHALL INFER ALL REMOVAL OR DEMOLITION AND PATCHING REQUIRED OF EXISTING MATERIALS AND SUBSTRATES FOR PROPER ALIGNMENT. MATCH EXISTING FINISHES.
- ALL NEW AND EXISTING PENETRATIONS IN EXISTING WALLS, FLOORS AND CEILING DECKS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL RECEIVE UL AND FACILITY APPROVED FIRE SEALANT MATERIALS TO MATCH RATING REQUIREMENT OF AREA BEING PENETRATED.

FLOOR PLAN SYMBOLS LEGEND

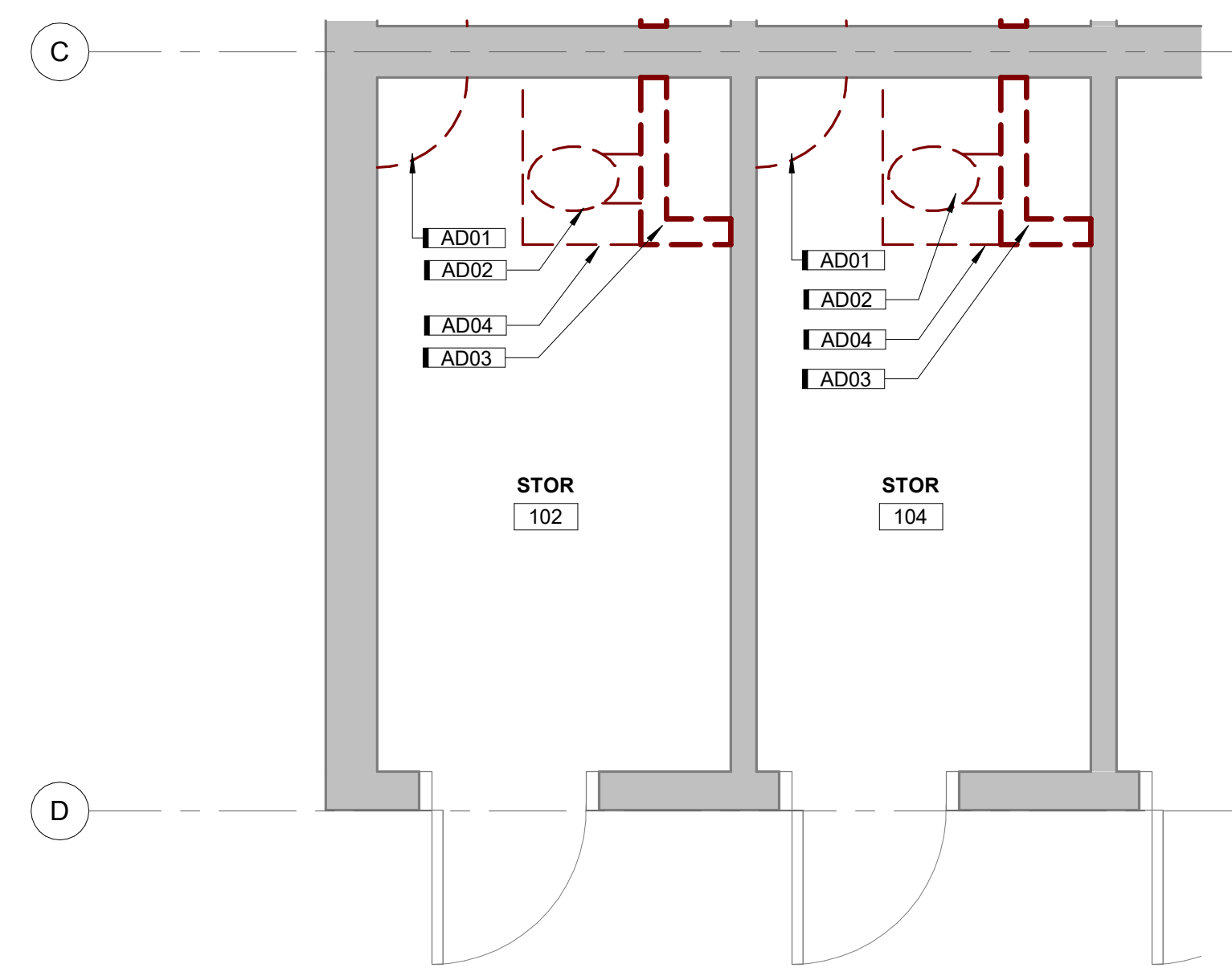


KEYNOTES - CONSTRUCTION

KEY	NOTE
A01	14 GAUGE GALVANIZED SHEET METAL SKIN ON 18 GAUGE 3 5/8" METAL STUDS. SECURE WITH SECURITY FASTENERS 8" OC AND PROVIDE REMOVABLE FACE SHEET. PAINT FINISH
A03	REMOVABLE FACE SHEET FOR ACCESS PANEL
A04	REPAIR PLASTER AT PLUMBING FIXTURE REMOVAL
A05	INSTALL MIN 1" GROUT ANY FLOOR OPENING WITHIN THE EXISTING SHAFT THAT IS OPEN TO BELOW. FILL OPENING SOLID WITH GROUT AN. FIRE CAULK ALL PIPE PENETRATIONS THROUGH THE FLOOR. PROVIDE ONE #3 REBAR EACH WAY PROVIDE 2" EMBED INTO EXISTING FLOOR
A06	CLEAN AND PAINT ALL WALLS AND CEILING
A07	INSTALL NEW COAX CABLING IDENTIFIED DURING DEMOLITION BACK THRU PLUMBING CHASE TO EACH RESPECTIVE CELL IDENTIFIED DURING DEMOLITION.

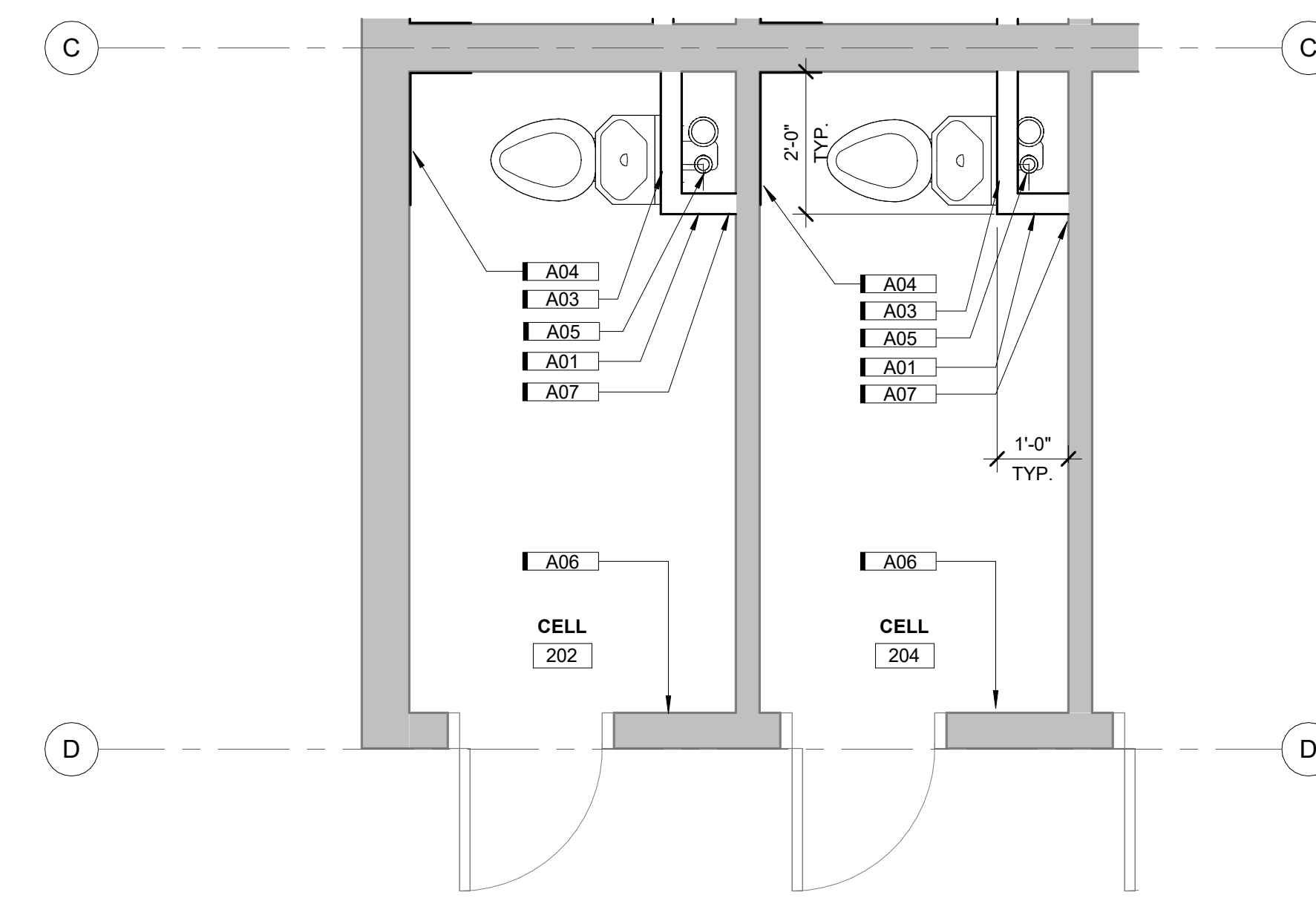
FLOOR PLAN NOTES

- COORDINATE THE LOCATION OF ALL WALL REINFORCEMENT AND BLOCKING PRIOR TO THE INSTALLATION OF THE WALL. FINISH AND ACCESSORIES. PROVIDE BLOCKING FOR TOILET ACCESSORIES AS REQUIRED FOR ANCHORING IN PARTITIONS. WOOD BLOCKINGS TO BE FIRE RETARDANT WHERE REQUIRED BY CODE.
- REFER TO DRAWINGS OF ALL TRADES FOR ADDITIONAL INFORMATION REGARDING ITEMS PENETRATING FLOORS, WALLS, AND CEILINGS.
- ALL NEW PARTITIONS ARE DIMENSIONED TO FACE OF STUD, MASONRY, OR CONCRETE COMPONENT UNLESS NOTED OTHERWISE. DIMENSIONS TO EXISTING ELEMENTS ARE TO EXPOSED FACE.
- INSTRUCTIONS FOR CONCRETE FLOOR OPENING INFILL:
 - CLEAN AND PREPARE THE EXISTING CONCRETE FLOOR CLAB BY REMOVING ANY LOOSE MATERIALS OR DEBRIS THAT WOULD AFFECT ANY CONCRETE BONDING.
 - APPLY LATEX BONDING AGENT TO THE SIDES OF THE CONCRETE OPENING AND
 - PROVIDE REMOVABLE FORM WORK AT THE UNDERSIDE TO THE EXISTING SLAB. SEAL TO MINIMIZE CONCRETE LLEAKAGE.
 - DOWEL ONE #3 INTO EACH OF THE FACES WHERE THE OPENING IS LARGE ENOUGH TO INSTALL. EMBED THE REBAR 2" INTO THE EXISTING AND SET WITH EPOXY. IF THE OPENING IS NOT LARGE ENOUGH TO EMBED A REBAR, ROUGHEN UP THE FACE OF THE EXISTING CONCRETE TO ALLOW FOR THE NEW CONCRETE PATCH TO ADHARE.
 - 3,000 PSI CONCRETE. USE SMALL AGGREGATE 1/2" DIAMETER AVERAGE.
 - FINISH - EXPOSED FORM SURFACE ON THE BOTTOM. LIGHT TROWEL FINISH ON THE TOP SIDE.
- INSTALL PREFABRICATED EPDM PIPE BOOTS AT EACH NEW PLUMBING VENT INSTALLATION COORDINATE LOCATION AND SIZE OF THE BOOT WITH PLUMBING PLANS. USE THE MANUFACTURE OF PIPING BOOT COMPATIBLE WITH THE EXISTING ROOF MEMBRANE. ANY ADDITIONAL CUTTING AND PATCHING SHALL USE MATERIALS FROM THE ORIGINAL ROOFING MANUFACTURE.



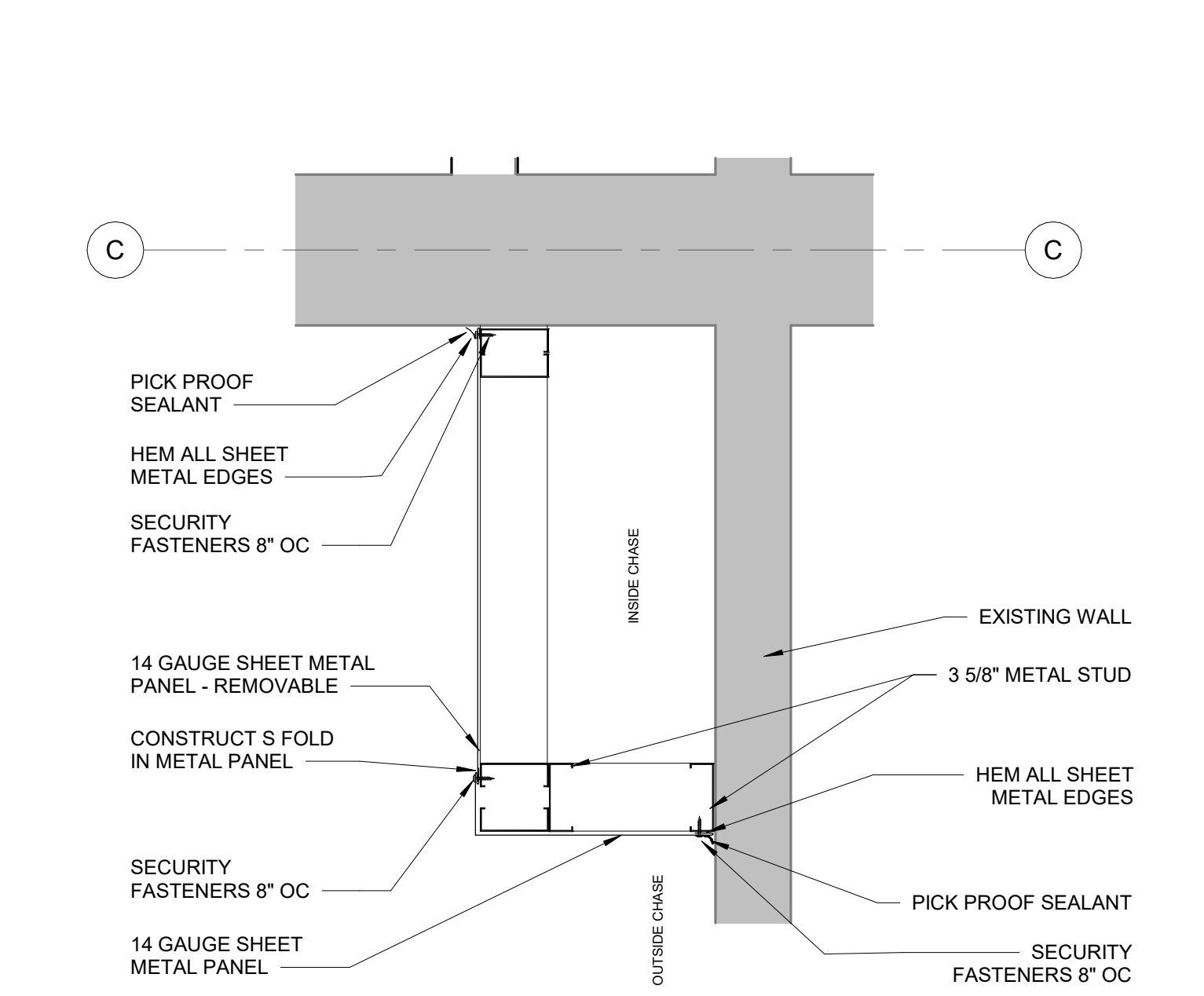
TYPICAL TO ALL ROOMS AND ALL FLOORS

A4 ENLARGED DEMOLITION PLAN
1/2" = 1'-0" 0' 3"

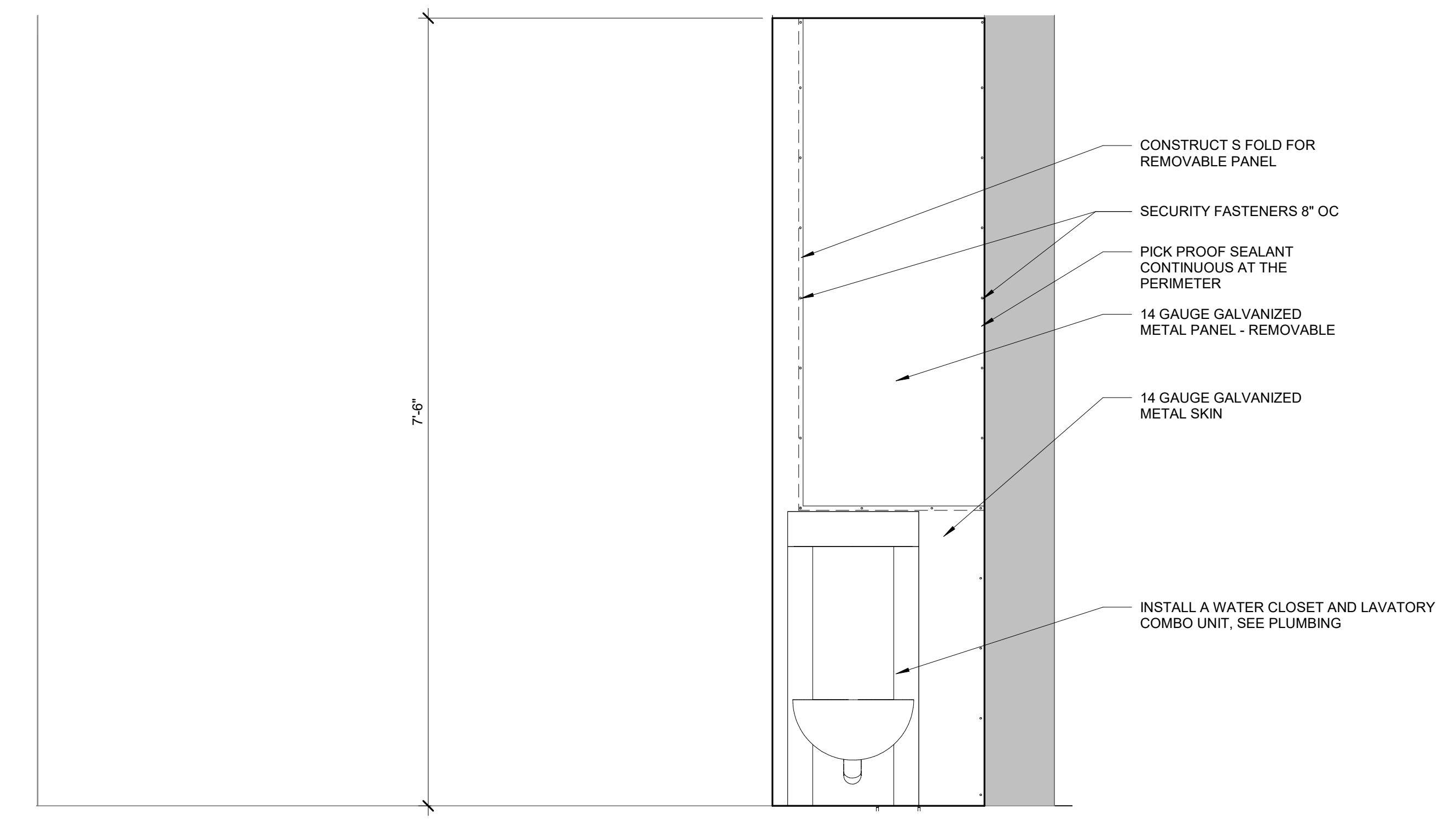


TYPICAL TO ALL ROOMS AND ALL FLOORS

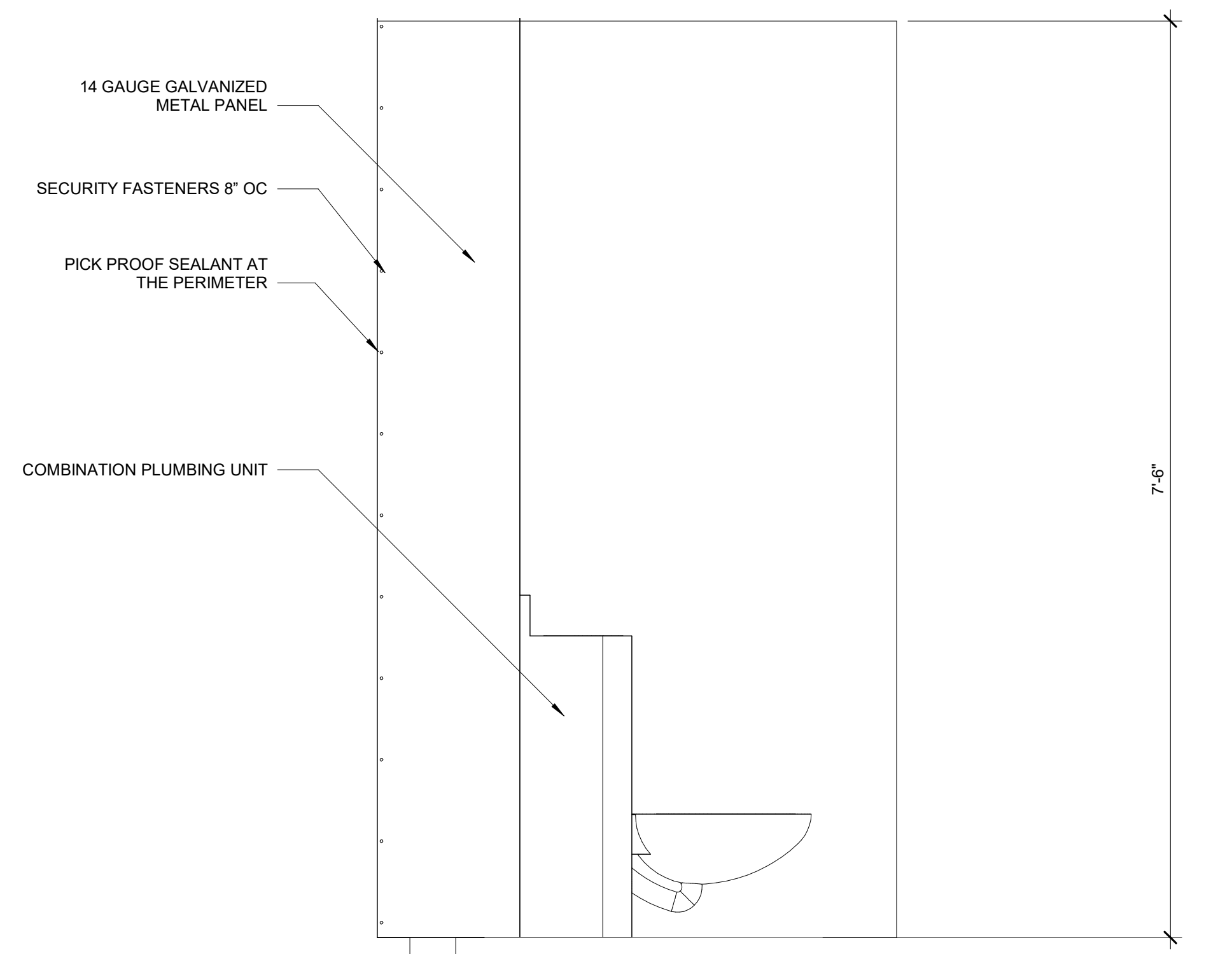
E4 ENLARGED CONSTRUCTION PLAN
1/2" = 1'-0" 0' 3"



A6 CHASE WALL CONNECTION
1 1/2" = 1'-0" 0' 1"



C6 PLUMBING CHASE ELEVATION
1" = 1'-0" 0' 1'-0"



F6 SIDE PLUMBING CHASE ELEVATION
1" = 1'-0" 0' 1'-0"

SYMBOLS		PLUMBING ABBREVIATIONS	
& #	AND NUMBER OF POUND	FCD FDC FPT FS FSEC FTHD FWD FWP	FLOOR CLEANOUT FLOOR OR AREA DRAIN FIRE DEPARTMENT CONNECTION FEMALE PIPE THREAD FLOOR SINK FOOD SERVICE EQUIPMENT CONTRACTOR FOOT HEAD OR PRESSURE DROP FEEDWATER FIRE WATER PUMP
ACU AD ADJ AFF AHLU ALT AMB AP APPROX AR AS ASSY ATM AUX AV AVG AW	AIR CONDITIONING UNIT AREA DRAIN ADJUSTABLE/ADJACENT ABOVE FINISHED FLOOR AIR HANDLING UNIT ALTERNATE AMBIENT ACCESS PANEL APPROXIMATE(LY) AIR SEPARATOR ASSEMBLY ATMOSPHERE AUXILIARY ACID VENT AVERAGE ACID WASTE	G GAS GAL GC GCC GD GPH GPM GV GWH	GAS GALLON GENERAL CONTRACTOR GROUND CLEANOUT GREASE INTERCEPTOR GALLONS PER DAY GALLONS PER HOUR GALLONS PER MINUTE GAS VENT GAS FIRED WATER HEATER
BAS BFF BFL BHP BLDG BMS BOP BT BTU BTUH	BUILDING AUTOMATION SYSTEM BELOW FINISHED FLOOR BACKFLOW PREVENTER BRAKE HORSEPOWER BUILDING BUILDING MANAGEMENT SYSTEM BOTTOM OF PIPE BATHTUB BRITISH THERMAL UNIT BRITISH THERMAL UNITS PER HOUR	H&CW HB HD HG HORIZ HP HVAC HZ	HOT AND COLD WATER HOSE BIBB HUB DRAIN MERCURY HORIZONTAL HORSEPOWER HEATING, VENTILATION, AIR CONDITIONING HERTZ (FREQUENCY)
C CAL CAP CCR CCW CIP CIRC CISP CL CLG CLR CLW COND CONSTR CONT CONTR COORD CP CS CTL CU CU FT CU IN	COMPRESSOR (AIR) CALIBRATE CAPACITY CONCENTRIC REDUCER COUNTER CLOCKWISE CAST IRON PUMP CIRCULATING CAST IRON SOIL PIPE CENTER LINE CEILING CLEARANCE CLOCKWISE CLEANOUT CONDENSATE CONSTRUCTION CONTINUATION CONTRACTOR COORDINATE CIRC PUMP CLINICAL SINK COOLING TOWER CONTROL COPPER CUBIC FEET CUBIC INCH	ID IE IN IN WC INS INSTR IP IPS ISO	INSIDE DIAMETER INVERT ELEVATION INCHES INCHES (WATER COLUMN) INSULATION INSTRUMENT IRON PIPE IRON PIPE SIZE ISOMETRIC
*DEG °C °F DB DDC DEMO DF DIA DIAG DIP DN DR DS DV DW DWG DWV	DEGREE DEGREES CELSIUS DEGREES FAHRENHEIT DRY BULB DIRECT DIGITAL CONTROLS DEMOLITION DRINKING FOUNTAIN DIAMETER DIAGRAM DUCTILE IRON PIPE DOWN DRAIN DOWNSPOUT DRAIN VALVE DISHWASHER DRAWING DRAIN WASTE & VENT	K KW KWH	KELVIN KILOWATT KILOWATT HOUR
EA ECCR ECV EE EER EEWS EF ELEV ELEC EQ EQUIP EQUIV ES ET EWC EWH EWT EX	EACH ECCENTRIC REDUCER ELECTRONIC CONTROL VALVE EMERGENCY EYEWASH ENERGY EFFICIENCY RATIO EMERGENCY EYEWASH SHOWER ENERGY FACTOR ELEVATION ELECTRICAL EQUAL EQUIPMENT EQUIVALENT EMERGENCY SHOWER EXPANSION TANK ELECTRIC WATER COOLER ELECTRIC WATER HEATER ENTERING WATER TEMPERATURE EXISTING	LAV LBS(S) LWT	LAVATORY POUNDS(S) LEAVING WATER TEMPERATURE
		MAINT MAX MBH MB MC MCC MCA MECH MFR MH MIN MISC MOV MPT	MAINTENANCE MAXIMUM BRITISH THERMAL UNIT (1000HR) MOP BASIN MECHANICAL CONTRACTOR MOTOR CONTROL CENTER MINIMUM CIRCUIT AMPS MECHANICAL MANUFACTURER MANHOLE MINIMUM OR MINUTE MISCELLANEOUS MOTOR OPERATED VALVE MALE PIPE THREAD
		NA NC NIC NO NOM NPT NTS	NOT APPLICABLE NORMALLY CLOSED NOT IN CONTRACT NORMALLY OPEN NOMINAL NATIONAL PIPE THREAD NOT TO SCALE
		OD OPCI OE OI ORD OST	OUTER DIAMETER OR ROOF DRAIN OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED OWNER INSTALLED OIL INTERCEPTOR OVERFLOW ROOF DRAIN OVERFLOW STORM
		PG PH PLBG PRV PSIA PSIG	PRESSURE GAUGE OR PROPYLENE GLYCOL PHASE PLUMBING PRESSURE RELIEF VALVE OR PRESSURE REGULATING VALVE POUNDS PER SQUARE INCH ABSOLUTE POUNDS PER SQUARE INCH GAUGE

PLUMBING SYMBOLS LEGEND	
	PIPE SIZE AND SYSTEM TAG (DIAMETER)
	PIPE SLOPE TAG
	PIPE INVERT ELEVATION TAG
	EXISTING TO REMAIN
	TO BE DEMOLISHED
	DOMESTIC COLD WATER
	DOMESTIC COLD WATER - FILTERED
	DOMESTIC COLD WATER - HARD
	DOMESTIC COLD WATER - SOFT
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER 140°
	DOMESTIC HOT WATER - CIRCULATING
	DOMESTIC HOT WATER - CIRCULATING 140°
	DOMESTIC TEMPERED WATER (ALTERNATE #1)
	DOMESTIC TEMPERED WATER - CIRCULATING (ALTERNATE #1)
	FIRE PROTECTION DRY
	FIRE PROTECTION WET
	NATURAL GAS
	PROPANE GAS
	HEATING WATER SUPPLY
	HEATING WATER RETURN
	LOW PRESSURE STEAM
	LOW PRESSURE CONDENSATE
	HIGH PRESSURE STEAM
	HIGH PRESSURE CONDENSATE
	SANITARY SEWER
	SANITARY VENT
	STORM DRAINAGE
	STORM DRAINAGE - OVERFLOW
	ROOF DRAIN
	RECIRCULATING
	REFRIGERATION
	REQUIRED
	REHEAT COIL
	ROOF HYDRANT
	REVOLUTIONS PER MINUTE
	REDUCED PRESSURE ZONE
	SCHEDULE
	SCHEMATIC
	SEASONAL ENERGY EFFICIENCY RATIO
	SQUARE FEET
	SHOWER
	SHEET
	SINK (SERVICE, LAUNDRY, KITCHEN, SCRUB)
	SAND OIL INTERCEPTOR
	SUMP PUMP OR STATIC PRESSURE
	SPECIFICATION(S)
	SQUARE INCH
	SAFETY RELIEF VALVE
	STAINLESS STEEL
	STANDARD
	STEEL
	SUCTION
	SAFETY VALVE
	STEAM WATER HEATER
	STEAM-TO-WATER HEAT EXCHANGER
	SYSTEM
	THERMOSTAT
	TRENCH DRAIN
	TOTALLY ENCLOSED FAN COOLED
	TEMPERATURE OR TEMPORARY
	THRU
	THERMODYNAMIC MIXING VALVE
	TOP OF PIPE
	TOTAL PRESSURE
	TYPICAL
	UNDERWRITERS LABORATORIES
	UNLESS NOTED OTHERWISE
	URINAL
	UTILITY
	VACUUM
	VALVE BOX
	VOLUME DAMPER
	VELOCITY
	VERTICAL
	VARIABLE FREQUENCY DRIVE
	VENTILATION GRILLE
	VENT THRU ROOF
	WITH
	WITHOUT
	WET BULB OR WALL BOX
	WATER CLOSET
	WALL CLEANOUT
	WATER HEATER
	WATER HAMMER ARRESTOR
	WALL HYDRANT
	WATER PRESSURE DROP
	WEIGHT
	WATER
	DOMESTIC WATER METER
	BALANCING VALVE
	BALL VALVE
	CHECK VALVE
	THREE-WAY VALVE
	PRESSURE REDUCING VALVE
	SOLENOID VALVE
	BUTTERFLY VALVE
	ELBOW UP
	ELBOW DOWN
	PIPE OFFSET UP
	PIPE OFFSET DOWN
	PIPE TEE TURNED UP
	PIPE TEE TURNED DOWN
	PIPE TEE
	PIPE CAP
	PIPE UNION
	PIPE TRANSITION
	KEYNOTE
	CAP EXISTING PIPE
	NEW CONNECTION INTO EXISTING PIPE
	THERMOMETER
	PRESSURE GAUGE
	ANCHOR
	GUIDE
	SUPPORT
	DETAIL NUMBER
	SHEET NUMBER ON WHICH THE DETAIL RESIDES

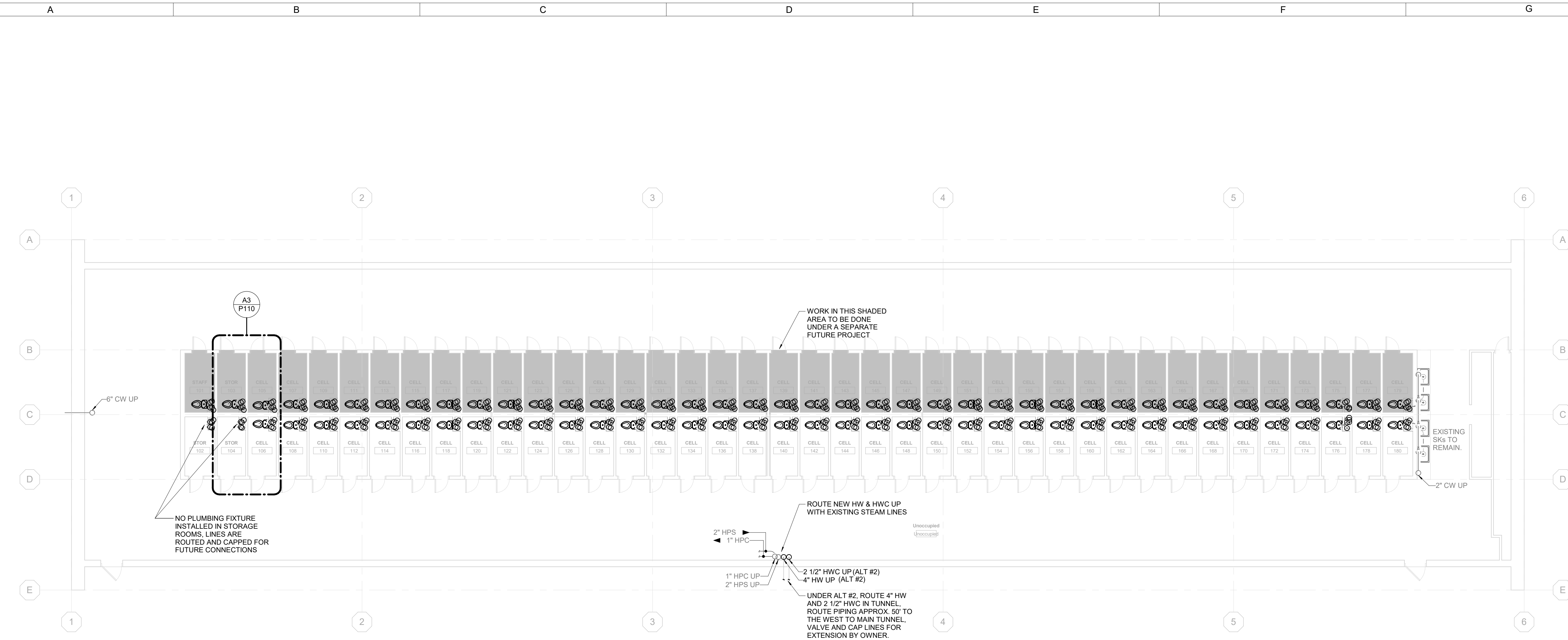
PLUMBING DEMOLITION		PLUMBING	
1.	THIS DRAWING DIAGRAMMATICALLY REPRESENTS THE LAYOUT OF EXISTING CONDITIONS WITH MAJOR PLUMBING COMPONENTS. THEY ARE NOT INTENDED TO SHOW ACCESSORIES OR INCIDENTALS COMMON TO EQUIPMENT INDICATED, THOUGH THESE ITEMS ARE TO BE REMOVED. ACCESSIBILITY TO DEMOLITION ITEMS SHALL NOT BE INFERRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF BUILDING AND EXISTING CONDITIONS, PRIOR TO BID SUBMISSION.	1.	UNLESS NOTED OTHERWISE, LIGHT LINES DENOTE EXISTING PIPING OR EQUIPMENT WHICH IS TO REMAIN. BOLD LINES INDICATE NEW WORK TO BE INSTALLED UNDER THIS CONTRACT.
2.	EXISTING PIPING PENETRATIONS VACATED/REVEALED DURING DEMOLITION AND REMODEL SHALL BE INFILLED AND FINISHED BY OTHERS TO MATCH EXISTING. IF MATERIALS FOR REPAIR TO MATCH EXISTING ARE NOT AVAILABLE (IE GLAZED WALL TILE), GROUT ABANDONED PENETRATION FULL AND FINISH FLUSH. PRIOR APPROVAL OF THE OWNER MUST BE OBTAINED BEFORE ANY PROPOSED NON-SIMILAR FINISH WORK BEGINS.	2.	PLUMBING SHOWN IS IN SCHEMATIC FORM. NOT ALL RISERS AND DROPS ARE SHOWN. PROVIDE OFFSETS AS REQUIRED TO MEET SPACE REQUIREMENTS AND TO AVOID INTERFERENCE WITH OTHER TRADES. THE CONTRACTOR SHALL PROVIDE COMPLETE FULLY FUNCTIONAL SYSTEMS.
3.	DISCONNECT AND REMOVE ALL PREVIOUSLY ABANDONED PIPING WITHIN THE PROJECT AREA. REMOVE EXISTING/ABANDONED HANGERS.	3.	PROVIDE ACCESSIBLE ISOLATION VALVES AT ALL BRANCH CONNECTIONS TO MAINS. VALVES IN JAIL CELLS SHALL BE ACCESSIBLE BEHIND LOCKED ACCESS PANEL - COORDINATE WITH GENERAL CONTRACTOR.
4.	ALL PIPING SHOWN IS BASED ON ORIGINAL DRAWINGS AND LIMITED SITE OBSERVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.	4.	REFER TO PLUMBING FIXTURE ROUGH-IN SCHEDULE FOR CONNECTION SIZES AT INDIVIDUAL FIXTURES.
5.	ALL PIPING ASSOCIATED WITH EXISTING SYSTEMS INTENDED TO NOT BE USED IN NEW CONSTRUCTION SHALL BE DEMOLISHED. NO PIPING SHALL BE ABANDONED.	5.	PROVIDE WATER HAMMER ARRESTORS FOR EACH NEW PLUMBING FIXTURE OR GROUP OF FIXTURES. SIZE AND LOCATION REQUIREMENTS SHALL BE AS PER PDI STANDARD PDI-WH-201.
6.	CONTRACTOR SHALL BE RESPONSIBLE FOR DRAINING PIPING SYSTEMS TO BE CUT, CAPPED OR REMOVED. DISCHARGE FROM SUCH SYSTEMS SHALL BE APPROPRIATELY DISPOSED OF PER FEDERAL, STATE AND LOCAL REQUIREMENTS.	6.	ALL EQUIPMENT AND ACCESSORIES SHALL BE INSTALLED TO BE EASILY ACCESSIBLE. VALVES IN JAIL CELLS SHALL BE ACCESSIBLE BEHIND LOCKED ACCESS PANEL.
7.	COORDINATE WITH GENERAL CONTRACTOR FOR FLOOR, WALL AND ROOF PATCHING REQUIRED DUE TO PENETRATIONS RESULTING FROM DEMOLITION OF EXISTING AND INSTALLATION OF NEW EQUIPMENT AND COMPONENTS.	7.	PLUMBING WORK SHALL BE COORDINATED WITH OTHER TRADES, INCLUDING BUT NOT LIMITED TO DUCTWORK, ELECTRICAL EQUIPMENT, PIPING AND FIRE PROTECTION. SPACE IS LIMITED AND SHALL BE COORDINATED WITH OTHER TRADES.
8.	CONTRACTOR IS RESPONSIBLE TO VERIFY ACTUAL NUMBER AND LOCATION OF SYSTEMS AND COMPONENTS TO BE DEMOLISHED AND REMOVED.	8.	ALL WORK WITHIN THE CONTRACT DOCUMENTS, WHICH INCLUDE THIS DRAWING, SHALL BE COMPLETED IN A SAFE WORKMANLIKE MANNER AND IN ACCORDANCE WITH ALL APPLICABLE STATE, LOCAL AND NATIONAL CODES, REGULATIONS AND ORDINANCES. IF ANY CONFLICTS ARISE BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, REGULATIONS OR ORDINANCE, THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ALL WORK CONFORM TO THE STRICTER OF SAID REQUIREMENTS.
9.	OWNER SHALL HAVE FIRST SALVAGE RIGHTS TO ALL REMOVED EQUIPMENT AND MATERIALS. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER AND TIMELY DISPOSAL OF ALL CONSTRUCTION DEBRIS INCLUDING BUT NOT LIMITED TO EQUIPMENT AND MATERIALS NOT CLAIMED BY OWNER TO AN EPA APPROVED, ENVIRONMENTALLY RESPONSIBLE, RECYCLE FACILITY OR LANDFILL.	9.	THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS AS REQUIRED FOR ELECTRICAL, FIRE PROTECTION, PLUMBING, MECHANICAL AND BACKFLOW PREVENTION INSTALLATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE BOTH A COMPLETE AND COMPLIANT INSTALLATION AS MAY BE DETERMINED BY THE AUTHORITY(S) HAVING JURISDICTION.
10.	TO MINIMIZE DISRUPTIONS, COORDINATE ALL DEMOLITION WITH OWNER, GENERAL CONTRACTOR, OR CONSTRUCTION MANAGER BEFORE SHUTTING DOWN ANY UTILITY OR SIMILAR SYSTEM. SHUTDOWNS FOR UTILITIES OR SIMILAR SYSTEMS SHALL BE REQUESTED WELL IN ADVANCE PER THE SPECIFICATION.	10.	CONTRACTOR SHALL NOT PROCURE OR FABRICATE ANY PIPING, DUCTWORK OR OTHER EQUIPMENT WITHOUT FIRST VERIFYING ALL DIMENSIONS AND CONDITIONS WHETHER CURRENTLY EXISTING OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK, INCLUDING ANY REQUIRED REWORK.
11.	ALL WORK WITHIN THE CONTRACT DOCUMENTS, WHICH INCLUDE THIS DRAWING, SHALL BE COMPLETED IN A SAFE WORKMANLIKE MANNER AND IN ACCORDANCE WITH ALL APPLICABLE STATE, LOCAL AND NATIONAL CODES, REGULATIONS AND ORDINANCES. IF ANY CONFLICTS ARISE BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, REGULATIONS OR ORDINANCE, THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ALL WORK CONFORM TO THE STRICTER OF SAID REQUIREMENTS.	11.	MAINTAIN ALL MANUFACTURER RECOMMENDED EQUIPMENT SERVICE AND SAFETY CLEARANCES. DO NOT LOCATE ANY EQUIPMENT OR RUN MATERIALS ABOVE ANY ELECTRICAL PANELS OR SWITCHGEAR. MAINTAIN ALL NFPA/NEC CODE REQUIRED CLEARANCES.
12.	THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AS REQUIRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE BOTH A COMPLETE AND COMPLIANT INSTALLATION AS MAY BE DETERMINED BY THE AUTHORITY(S) HAVING JURISDICTION.	12.	EACH CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING, SCHEDULING AND SEQUENCING OF THEIR WORK WITH ALL OTHER TRADES. PROVIDE OFFSETS, EASEMENTS, OR RELOCATE TO AVOID CONFLICTS WITH WORK OF OTHER TRADES. FURNISH SUFFICIENT RESOURCES TO MEET ALL PROJECT MILESTONES AND DEADLINES.
13.	CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE WATERTIGHT AND WEATHER-PROOF INTEGRITY OF ROOFS, WALLS AND FLOORS DURING CONSTRUCTION. EACH TRADE SHALL LOCATE/DIMENSION/COORDINATE THEIR ROOF, FLOOR AND WALL OPENINGS WITH THE GENERAL CONTRACTOR (GC) OR CONSTRUCTION MANAGER.	13.	CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE WATERTIGHT AND WEATHER-PROOF INTEGRITY OF ROOFS, WALLS AND FLOORS DURING CONSTRUCTION. EACH TRADE SHALL LOCATE/DIMENSION/COORDINATE THEIR ROOF, FLOOR AND WALL OPENINGS WITH THE GENERAL CONTRACTOR (GC) OR CONSTRUCTION MANAGER.
14.	ALL DEMOLITION AND NEW CONSTRUCTION WORK SHALL BE DONE IN SEPARATE PHASES TO LIMIT THE AREA IN WHICH CONSTRUCTION WORK IS BEING DONE AT A GIVEN TIME. REFER TO GENERAL PLANS IN SHEETS G101 AND G102 FOR MORE INFORMATION.	14.	PROTECT NEW WORK FROM DAMAGE OR DECONTAMINATION. PROVIDE TEMPORARY PROTECTIVE CAPPING OR TAPED POLYETHYLENE ENCLOSURES OVER OPEN DUCTWORK AND PIPING ENDS AND EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING MECHANICAL SYSTEMS PRIOR TO PLACING THEM IN SERVICE.
		15.	IN A NEAT AND WORKMANLIKE MANNER, PATCH ANY REMAINING OPENINGS AND FILL EXCESSIVE GAPS; REWORK AND REFINISH TO MATCH ADJACENT STRUCTURES; FLASH AND SEAL ALL MECHANICAL AND ELECTRICAL PENETRATIONS THRU WALLS, CEILING AND FLOORS WITH METAL FRAMEWORK OR ESCUTCHEONS; ALL OPENINGS SHALL BE PROPERLY SEALED SO AS TO MEET FIRE RATING NEEDS.
		16.	ALL DEMOLITION AND NEW CONSTRUCTION WORK SHALL BE DONE IN SEPARATE PHASES TO LIMIT THE AREA IN WHICH CONSTRUCTION WORK IS BEING DONE AT A GIVEN TIME. REFER TO GENERAL PLANS IN SHEETS G101 AND G102 FOR MORE INFORMATION.

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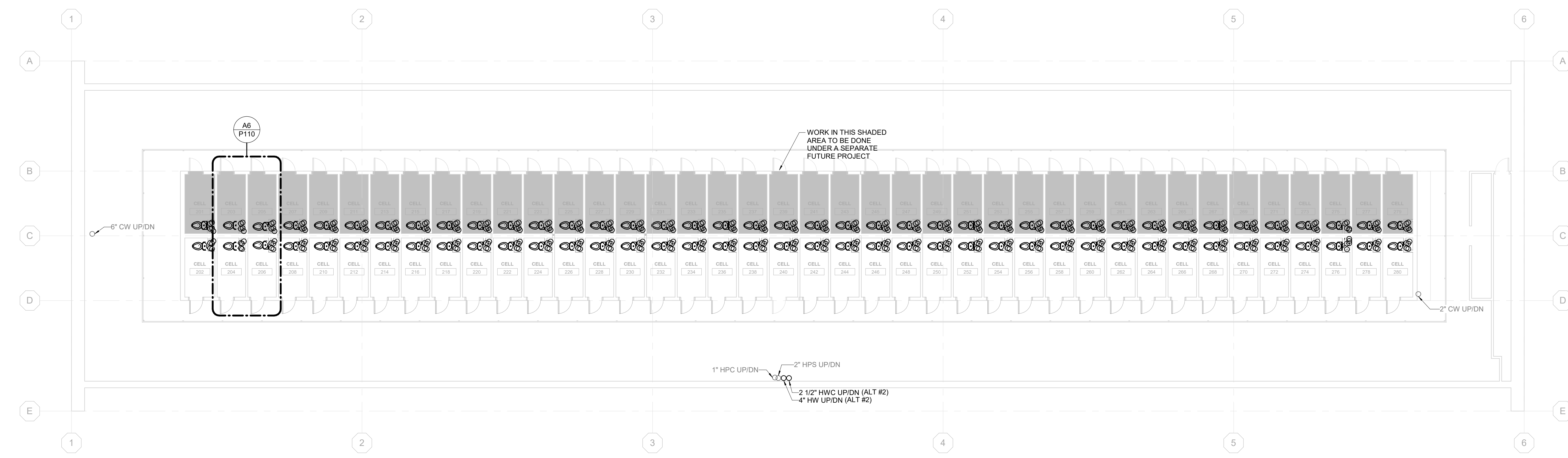
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PLUMBING GENERAL INFORMATION
P000



A3 FIRST FLOOR PLUMBING PLAN
1/8" = 1'-0" 0" 12"



A6 SECOND FLOOR PLUMBING PLAN
1/8" = 1'-0" 0" 12"

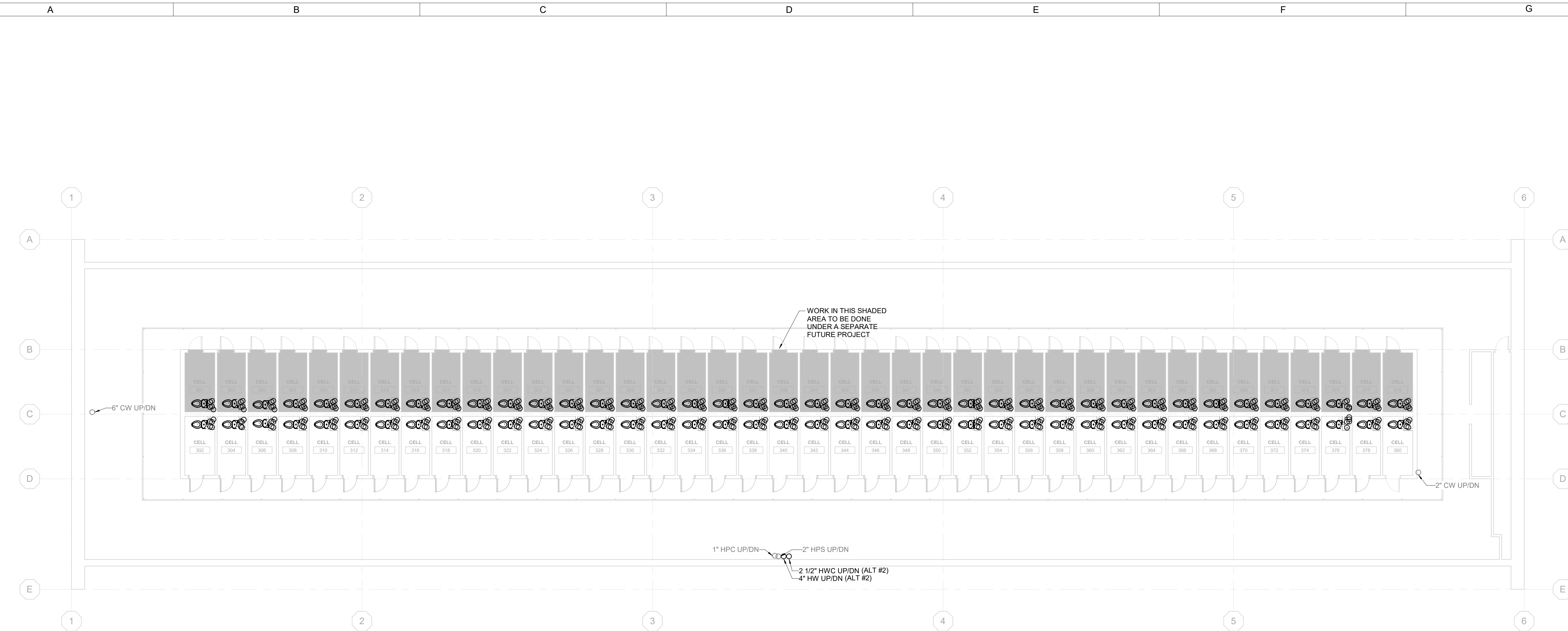
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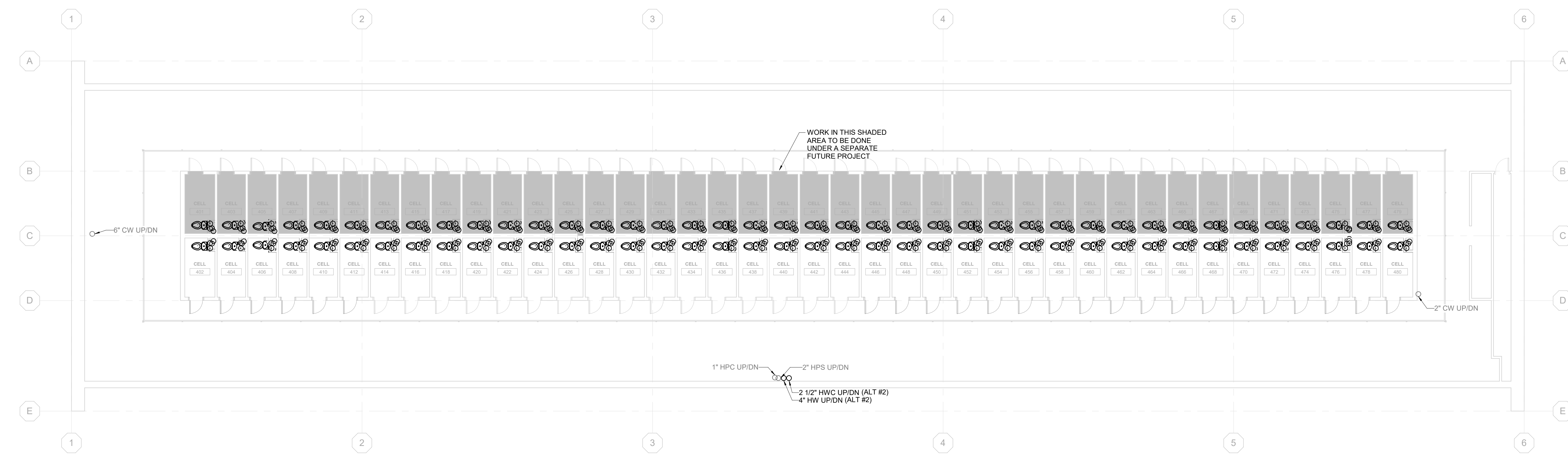
OVERALL FIRST AND SECOND FLOOR PLUMBING PLANS

P101

ANNAMOSA STATE PRISON
1466 N. HIGH STREET, ANNAMOSA, IA 52205



A3 THIRD FLOOR PLUMBING PLAN
1/8" = 1'-0" 0 12'



A6 FOURTH FLOOR PLUMBING PLAN
1/8" = 1'-0" 0 12'

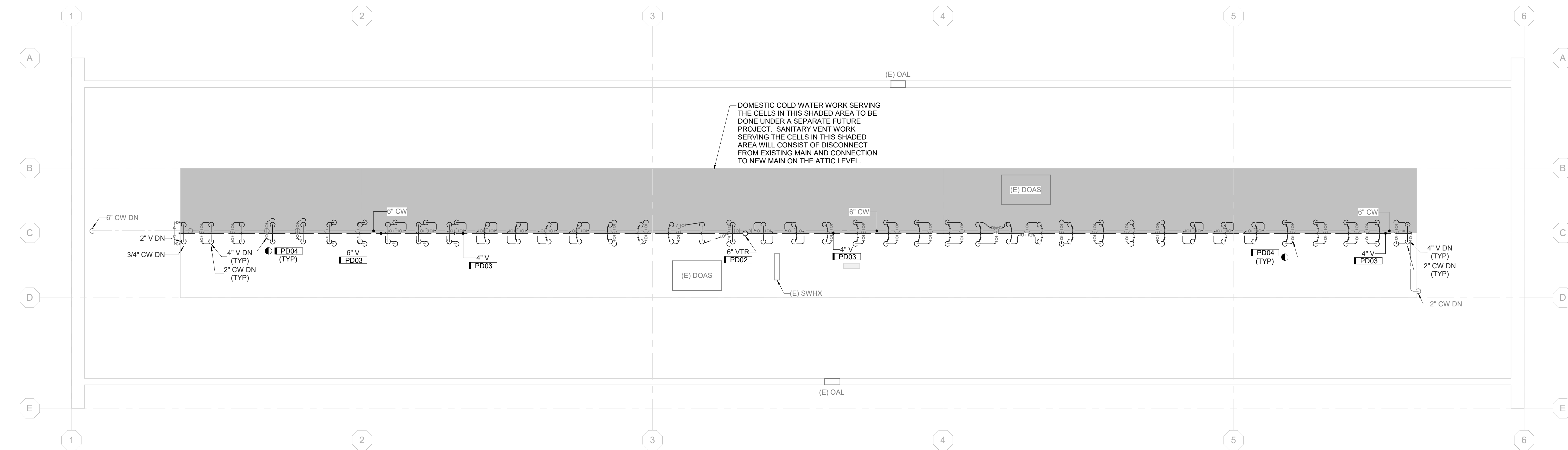
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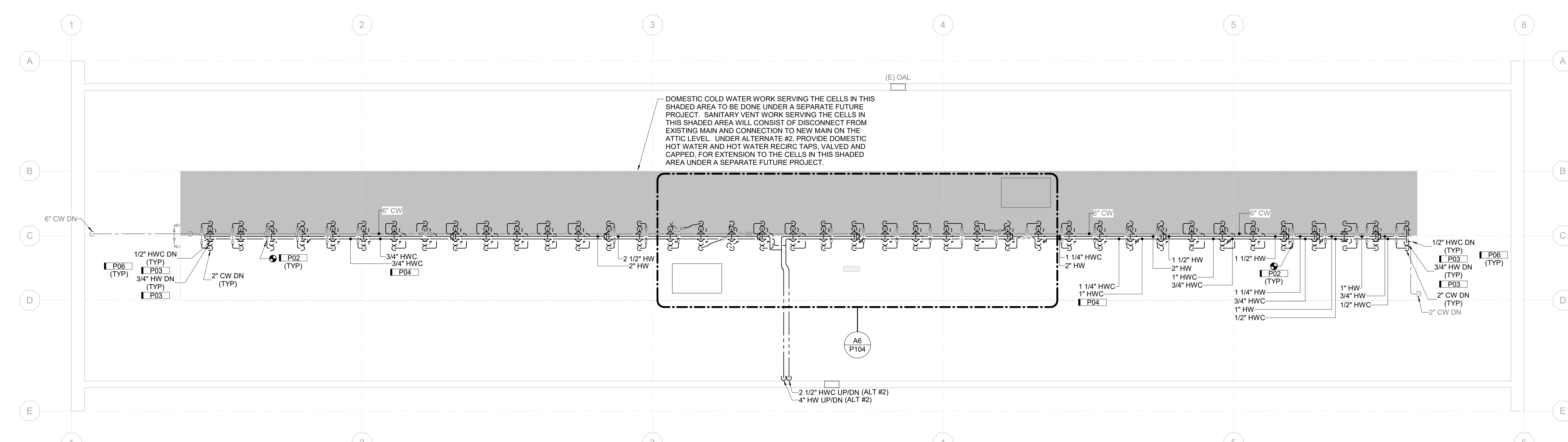
OVERALL THIRD AND FOURTH FLOOR PLUMBING PLANS

DEMOLITION KEYNOTES	
KEY	NOTE
PD02	DEMOLISH EXISTING VENT THRU ROOF (VTR). AFTER DEMOLITION, REUSE EXISTING OPENING PER KEYNOTE P01 ON P104.
PD03	DEMOLISH ENTIRE EXISTING SANITARY SEWER SYSTEM THAT IS ABOVE GROUND, INCLUDING ITS ASSOCIATED VENT SYSTEM AND ALL PIPEWORK INSIDE EXISTING SHAFT AS SHOWN IN C6 ON SHEET P110.
PD04	DEMOLISH EXISTING CW BRANCH DOWNSTREAM OF SHUTOFF VALVE, INCLUDING ALL PIPEWORK INSIDE EXISTING SHAFT AS SHOWN IN C6 ON SHEET P110. PRESERVE EXISTING SHUTOFF VALVE AND UPSTREAM PIPEWORK, AND PREPARE FOR CONNECTION TO NEW CW PIPEWORK. TYP FOR 80 LOCATIONS IN ATTIC SPACE.

KEYNOTES	
KEY	NOTE
P02	CONNECT NEW 2" DCW RISER TO EXISTING 2" DCW SHUTOFF VALVE. TYP FOR 40 LOCATIONS IN ATTIC SPACE.
P03	UNDER ALTERNATE #1, ALL HW AND HWC PIPEWORK, INCLUDING ALL VALVES, ACCESSORIES, INSULATION, SUPPORTS, ETC., LOCATED WITHIN VERTICAL SHAFTS AND UP TO 6" BEYOND SHAFT (6" ABOVE ATTIC FLOOR LEVEL) SHALL BE INCLUDED. ALL HW AND HWC PIPEWORK IN ATTIC BEYOND THIS 6" LEVEL TO BE INCLUDED IN ALTERNATE #2 (SEE KEYNOTE P04). CAP PIPING.
P04	HW AND HWC PIPEWORK, INCLUDING ALL VALVES, ACCESSORIES, INSULATION, SUPPORTS, ETC., LOCATED IN ATTIC ABOVE CHASES TO BE INCLUDED IN ALTERNATE #2. SEE KEYNOTE P03 FOR EXACT BOUNDARY BETWEEN ALTERNATE #1 AND ALTERNATE #2 PIPEWORK. AT INTERFACE OF EACH ALTERNATE #1 HWC RISER, INCLUDE SHUT-OFF VALVE AND BALANCING VALVE CAPABLE OF BALANCING TO 3.8 GPM (TYP OF 80) AT INTERFACE OF EACH ALTERNATE #2 HW RISER, INCLUDE SHUT-OFF VALVE.
P06	ROUTE V, CW, HW, AND HWC PIPE RISERS THROUGH EXISTING OPENING BETWEEN ATTIC AND NEW CHASE, USING UNIQUE OFFSETS IN EACH CHASE AS NECESSARY. CROSS SECTIONAL AREA OF EXISTING OPENING IS CONSTRICTED COMPARED TO THAT OF NEW CHASE.



A3 ATTIC DEMOLITION PLAN
1/8" = 1'-0" 0 12'



A6 ATTIC PLUMBING PLAN - DOMESTIC
1/8" = 1'-0" 0 12'

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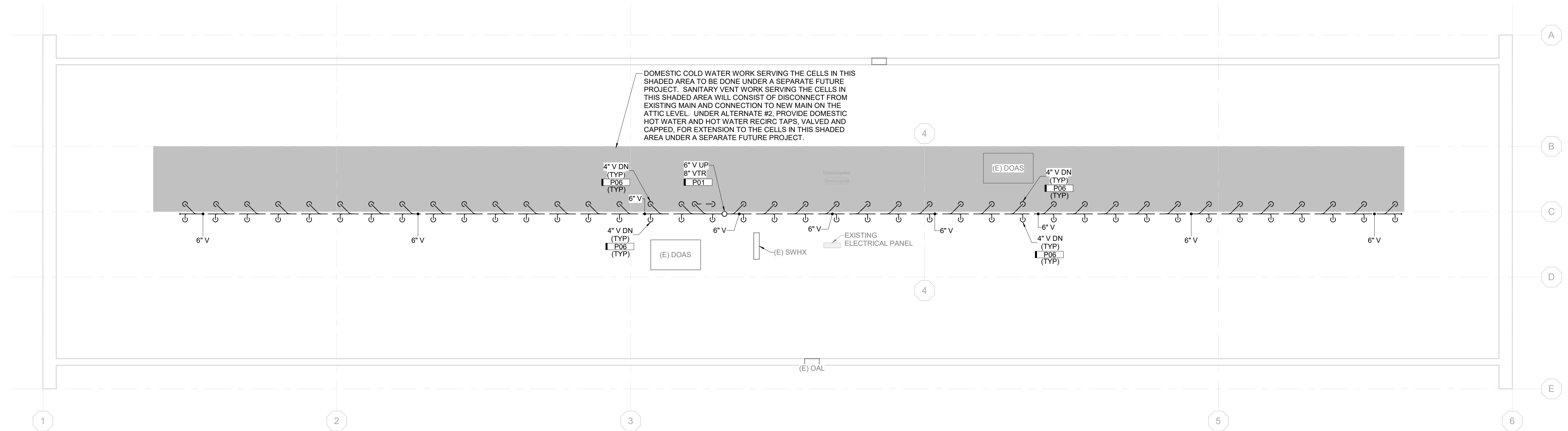
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OVERALL ATTIC PLANS

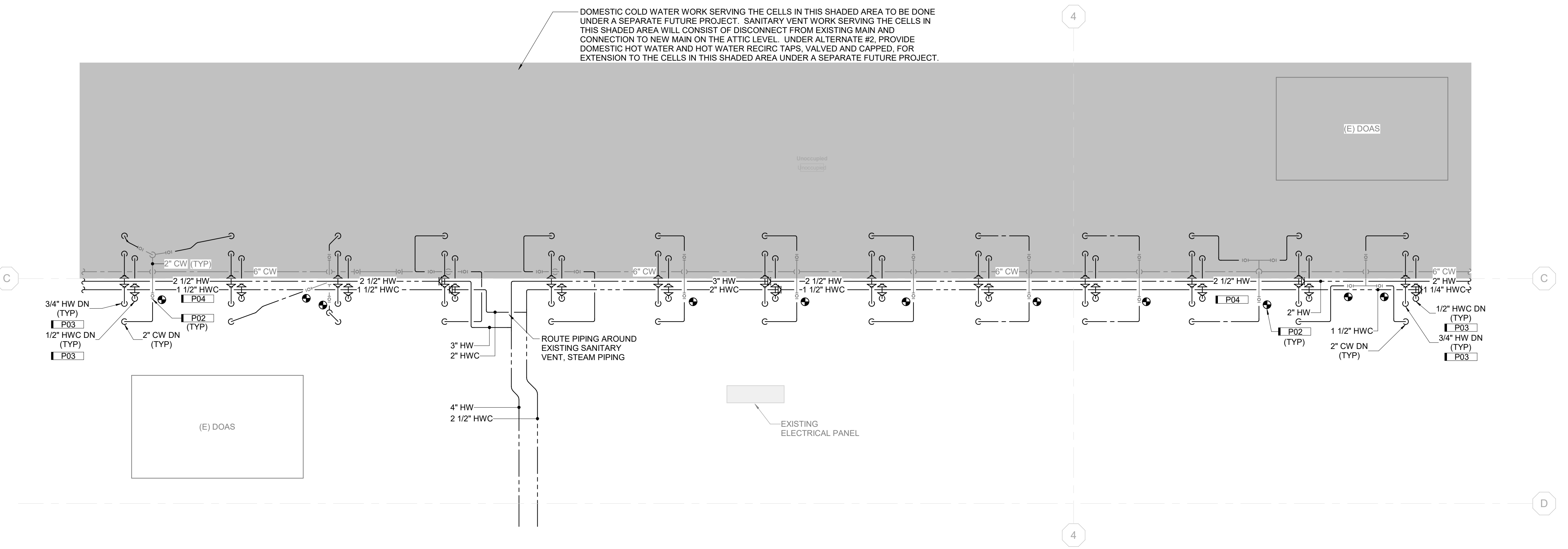
P103

ANNAMOSA STATE PRISON
1466 N. HIGH STREET, ANNAMOSA, IA 52205

KEYNOTES	
KEY	NOTE
P01	CORE DRILL LARGER HOLE FOR NEW VTR AS NECESSARY OVER EXISTING VTR PENETRATION.
P02	CONNECT NEW 2" CW RISER TO EXISTING 2" CW SHUTOFF VALVE. TYP FOR 40 LOCATIONS IN ATTIC SPACE.
P03	UNDER ALTERNATE #1, ALL HW AND HWC PIPEWORK, INCLUDING ALL VALVES, ACCESSORIES, INSULATION, SUPPORTS, ETC., LOCATED WITHIN VERTICAL SHAFTS AND UP TO 6' BEYOND SHAFT (6' ABOVE ATTIC FLOOR LEVEL) SHALL BE INCLUDED. ALL HW AND HWC PIPEWORK IN ATTIC BEYOND THIS 6' LEVEL TO BE INCLUDED IN ALTERNATE #2 (SEE KEYNOTE P04). CAP PIPING.
P04	HW AND HWC PIPEWORK, INCLUDING ALL VALVES, ACCESSORIES, INSULATION, SUPPORTS, ETC., LOCATED IN ATTIC ABOVE CHASES TO BE INCLUDED IN ALTERNATE #2. SEE KEYNOTE P03 FOR EXACT BOUNDARY BETWEEN ALTERNATE #1 AND ALTERNATE #2 PIPEWORK. AT INTERFACE OF EACH ALTERNATE #1 HWC RISER, INCLUDE SHUT-OFF VALVE AND BALANCING VALVE CAPABLE OF BALANCING TO 3.8 GPM (TYP OF 80) AT INTERFACE OF EACH ALTERNATE #2 HW RISER, INCLUDE SHUT-OFF VALVE.
P06	ROUTE V, CW, HW, AND HWC PIPE RISERS THROUGH EXISTING OPENING BETWEEN ATTIC AND NEW CHASE. USING UNIQUE OFFSETS IN EACH CHASE AS NECESSARY. CROSS SECTIONAL AREA OF EXISTING OPENING IS CONSTRICTED COMPARED TO THAT OF NEW CHASE.



A3 ATTIC PLUMBING PLAN - SSV
1/8" = 1'-0"



A6 ATTIC ENLARGED PLUMBING PLAN - DOMESTIC
3/8" = 1'-0"

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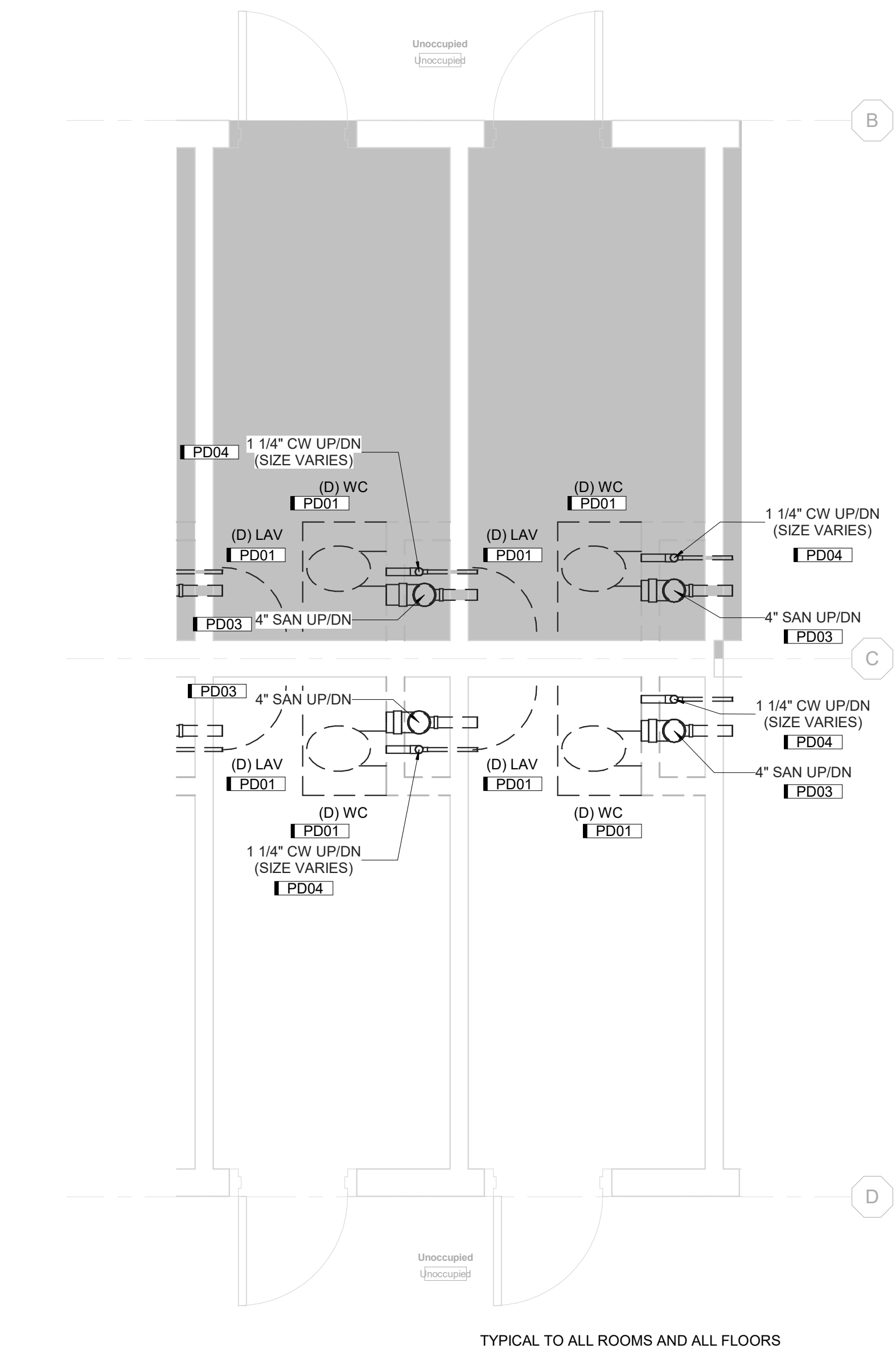
ENLARGED ATTIC PLANS

P104

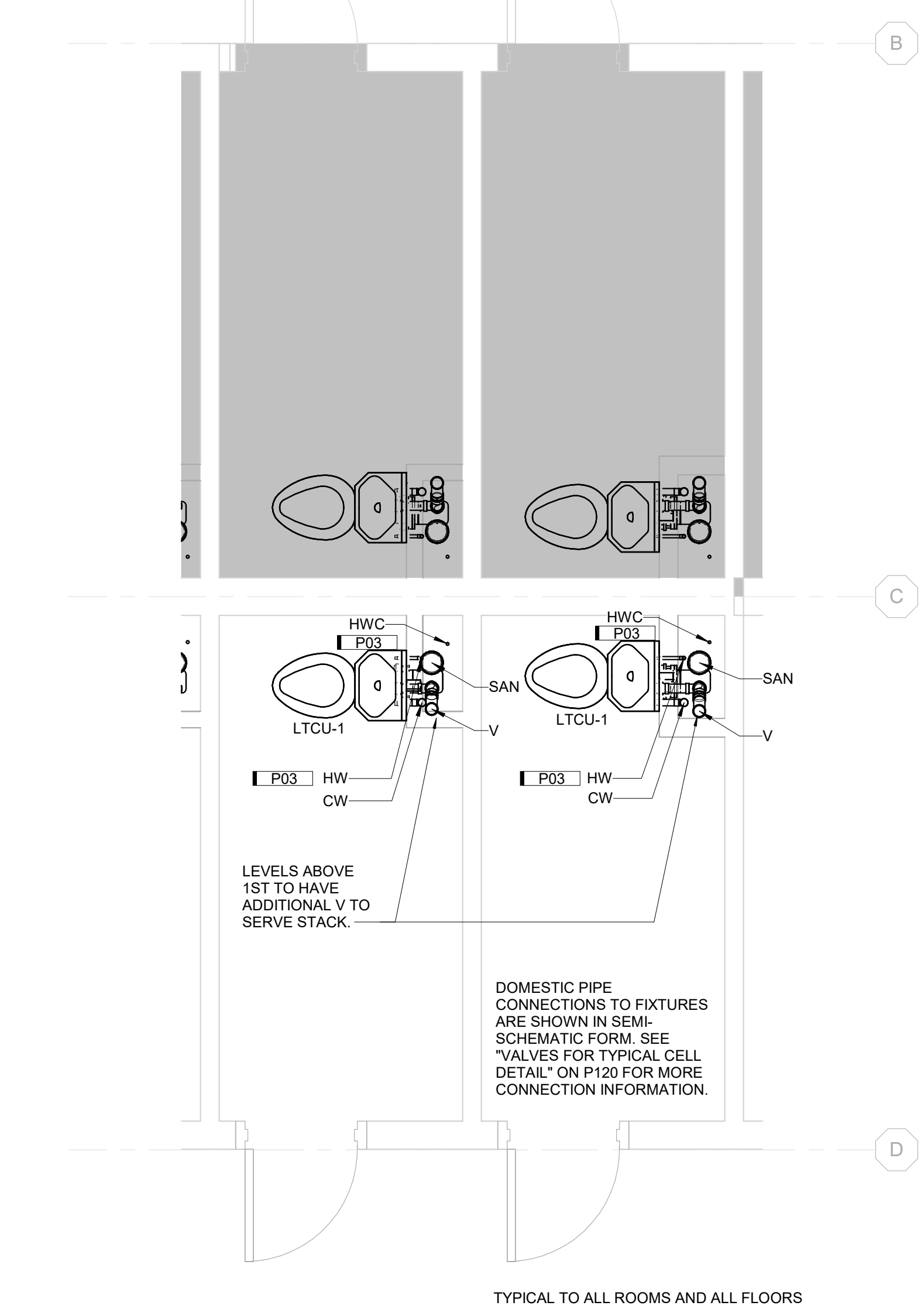
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DEMOLITION KEYNOTES	
KEY	NOTE
PD01	DEMOLISH EXISTING PLUMBING FIXTURES AS INDICATED BY ARCH SHEETS
PD03	DEMOLISH ENTIRE EXISTING SANITARY SEWER SYSTEM THAT IS ABOVE GROUND, INCLUDING ITS ASSOCIATED VENT SYSTEM AND ALL PIPEWORK INSIDE EXISTING SHAFT AS SHOWN IN C6 ON SHEET P110.
PD04	DEMOLISH EXISTING CW BRANCH DOWNSTREAM OF SHUT-OFF VALVE, INCLUDING ALL PIPEWORK INSIDE EXISTING SHAFT AS SHOWN IN C6 ON SHEET P110. PRESERVE EXISTING SHUT-OFF VALVE AND UPSTREAM PIPEWORK, AND PREPARE FOR CONNECTION TO NEW CW PIPEWORK. TYP FOR 80 LOCATIONS IN ATTIC SPACE.
PD05	DEMOLISH SAN LINE AS NECESSARY TO FIT NEW PROPOSED STACK DRAIN ACCESSORY. AFTER DEMOLITION, CAP EXISTING UNDERFLOOR LINE UNTIL NEW VTR IS INSTALLED.

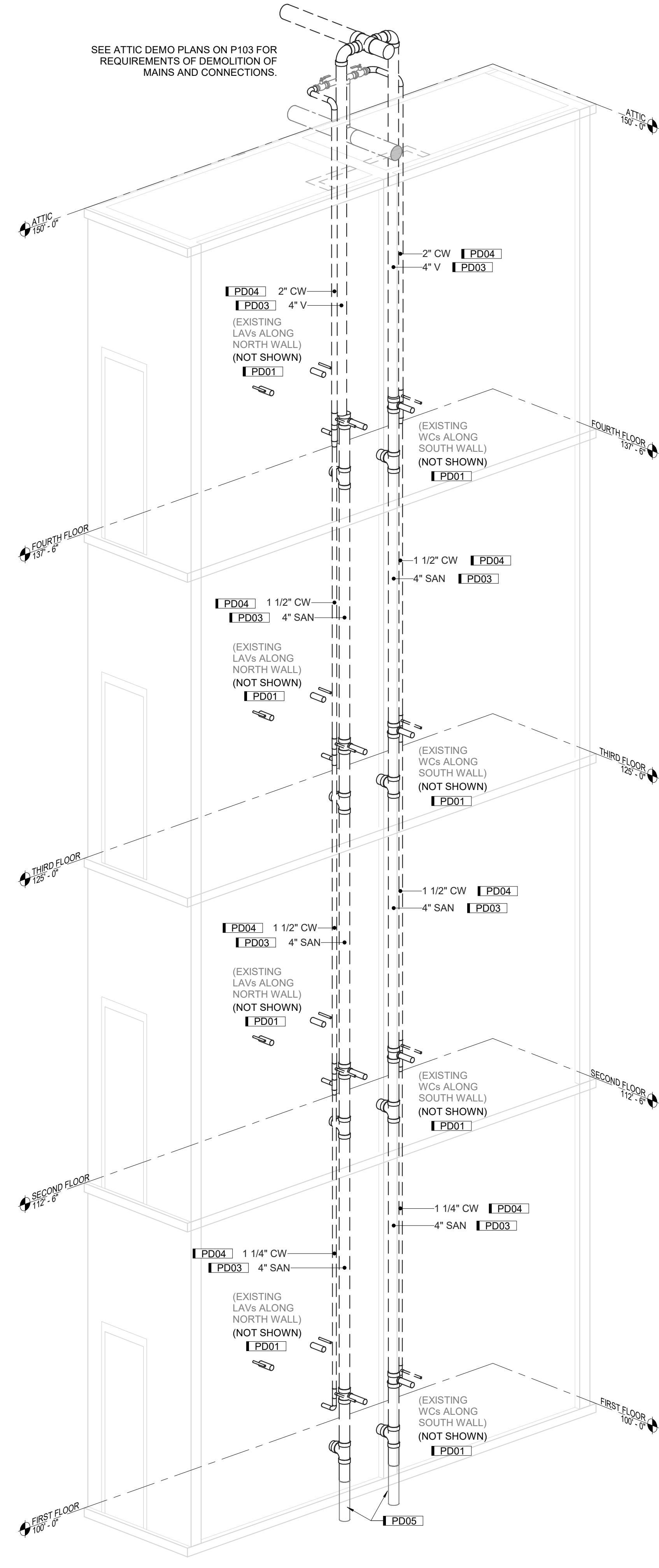
KEYNOTES	
KEY	NOTE
P03	UNDER ALTERNATE #1, ALL HW AND HWC PIPEWORK, INCLUDING ALL VALVES, ACCESSORIES, INSULATION, SUPPORTS, ETC., LOCATED WITHIN VERTICAL SHAFTS AND UP TO 6" BEYOND SHAFT (6" ABOVE ATTIC FLOOR LEVEL) SHALL BE INCLUDED. ALL HW AND HWC PIPEWORK IN ATTIC BEYOND THIS 6" LEVEL TO BE INCLUDED IN ALTERNATE #2 (SEE KEYNOTE P04). CAP PIPING.
P04	HW AND HWC PIPEWORK, INCLUDING ALL VALVES, ACCESSORIES, INSULATION, SUPPORTS, ETC., LOCATED IN ATTIC ABOVE CHASES TO BE INCLUDED IN ALTERNATE #2. SEE KEYNOTE P03 FOR EXACT BOUNDARY BETWEEN ALTERNATE #1 AND ALTERNATE #2 PIPEWORK. AT INTERFACE OF EACH ALTERNATE #1 HW RISER, INCLUDE SHUT-OFF VALVE AND BALANCING VALVE CAPABLE OF BALANCING TO 3.8 GPM (TYP OF 80) AT INTERFACE OF EACH ALTERNATE #2 HW RISER. INCLUDE SHUT-OFF VALVE.
P06	ROUTE V, CW, HW, AND HWC PIPE RISERS THROUGH EXISTING OPENING BETWEEN ATTIC AND NEW CHASE, USING UNIQUE OFFSETS IN EACH CHASE AS NECESSARY. CROSS SECTIONAL AREA OF EXISTING OPENING IS CONSTRICTED COMPARED TO THAT OF NEW CHASE.



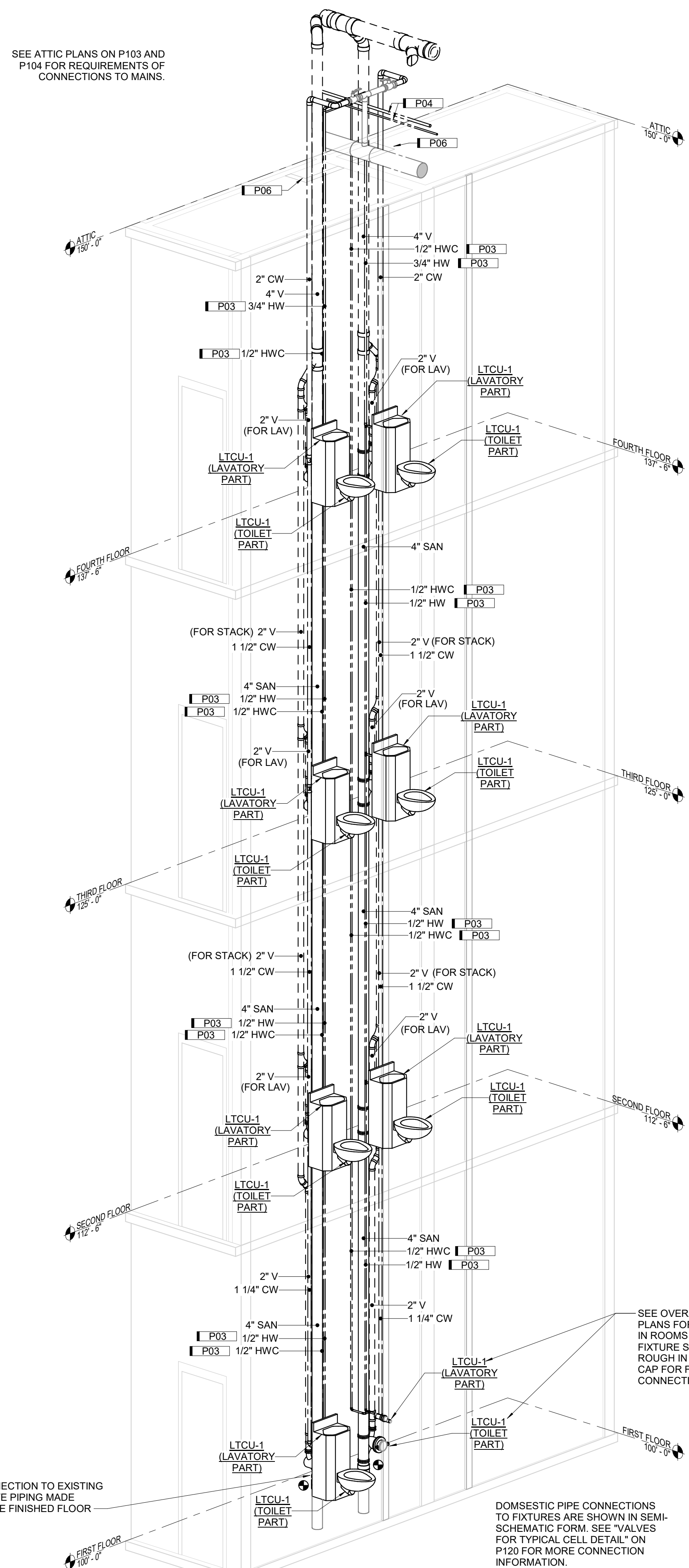
A3 ENLARGED PLUMBING DEMOLITION PLAN
1/2" = 1'-0" 0' 3"



A6 ENLARGED PLUMBING NEW CONSTRUCTION PLAN
1/2" = 1'-0" 0' 3"



C6 3D PLUMBING DEMOLITION VIEW
NOT TO SCALE



E6 3D PLUMBING NEW CONSTRUCTION VIEW
NOT TO SCALE

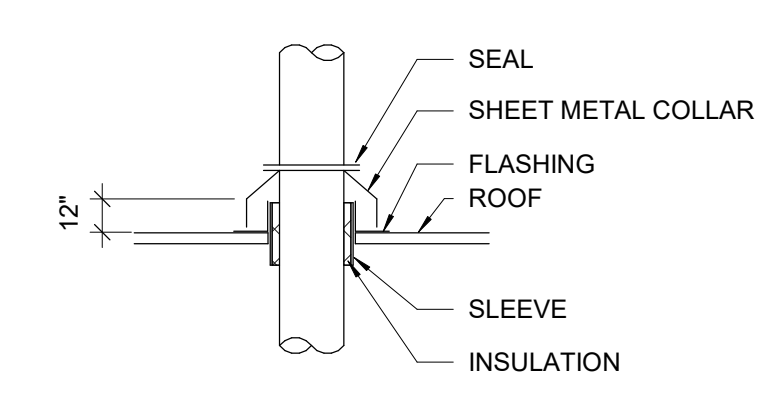
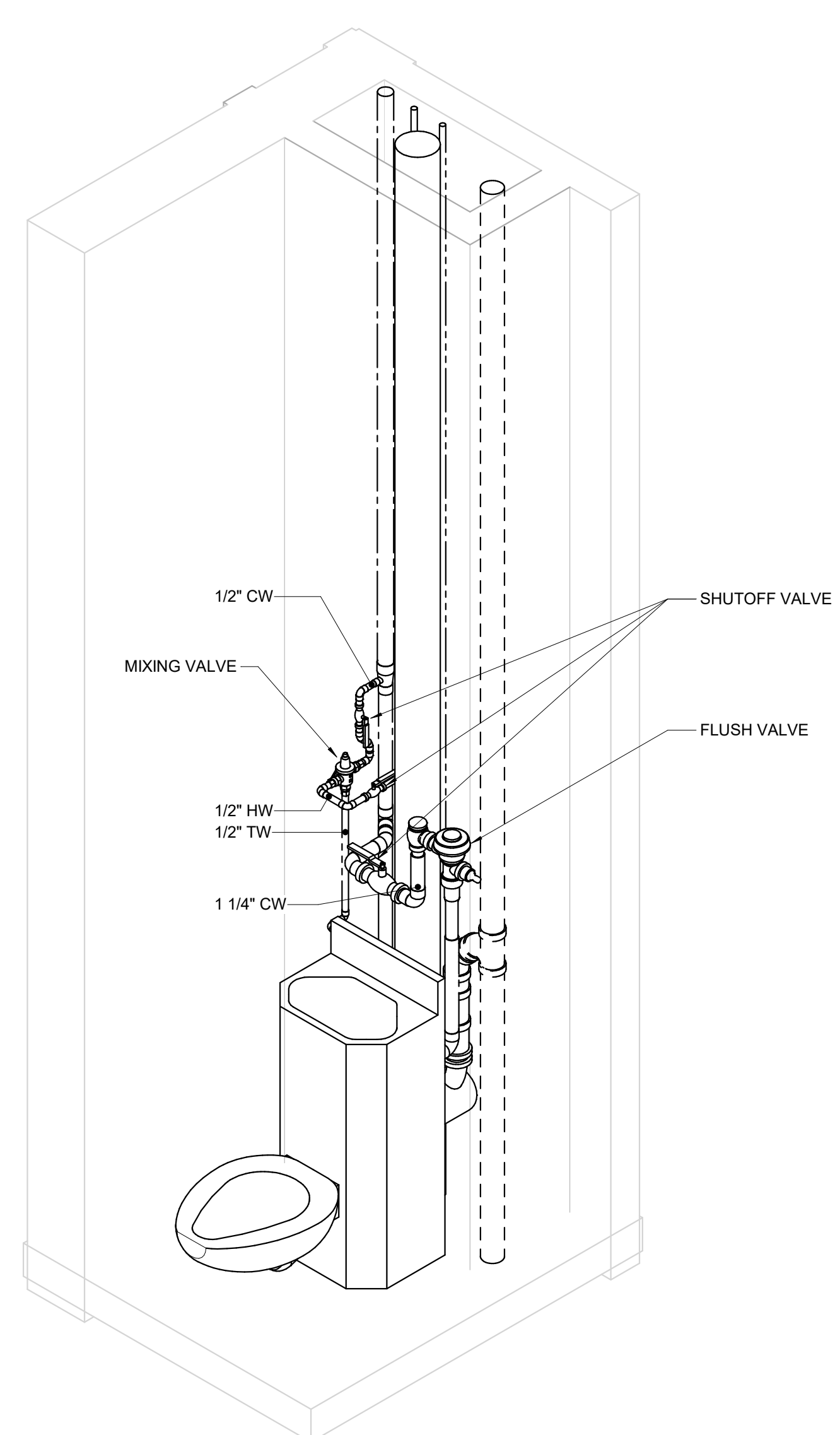
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ENLARGED PLANS AND 3D VIEWS - PLUMBING DEMO AND NEW CONSTRUCTION

PLUMBING FIXTURE SCHEDULE

REMARKS:
 1. WATER HAMMER ARRESTORS NOT SHOWN ON PLANS. INSTALL ON BOTH COLD AND HOT WATER PIPING IN AN UPRIGHT POSITION. LOCATE AT THE ENDS OF PIPE RUNS OR NEAR A BATTERY OF FIXTURES. FOLLOW MANUFACTURER'S SPECIFICATIONS FOR LOCATION AND INSTALLATION. INSTALL IN AN ACCESSIBLE LOCATION. AIR CHAMBERS NOT ALLOWED.
 2. NOT ALL CO, FCO, WCO, ECO ARE SHOWN ON PLANS. CLEANOUT COVERS SHALL BE STAMPED OR ENGRAVED ON COVER AS FOLLOWS: SANITARY CLEANOUTS "SAN", STORM CLEANOUTS "STM". FIELD COORDINATE EXACT LOCATION OF FLOOR AND WALL CLEANOUTS WITH GENERAL CONTRACTOR.

TAG	FIXTURE TYPE	MANUFACTURER	MODEL	MATERIAL	FIXTURE DESCRIPTION	PIPE CONNECTIONS / ROUGH-IN PIPE DIAMETER		
						SAN	VENT	W
LTCU-1 (LAVATORY PART)	LAVATORY TOILET COMBINED UNIT - LAVATORY PART	WILLOUGHBY	1546 SERIES	STAINLESS STEEL	15" WIDE COMBINATION LAVATORY/TOILET UNIT. FIXTURE SHALL BE FABRICATED FROM 14 GAUGE, TYPE 304 STAINLESS STEEL. THE CONSTRUCTION SHALL BE ALL WELDED, WITH EXPOSED STAINLESS SURFACES POLISHED TO A #4 SATIN FINISH. INTEGRAL CREVICE-FREE SELF-DRAINING FLUSHING RIM WITH POSITIVE AFTERFILL. STAINLESS STEEL LIGATURE-RESISTANT BUBBLER/FILLER. FIXTURE SHALL WITHSTAND LOADINGS OF 5,000 LBS. WITHOUT PERMANENT DAMAGE. FLOOR MOUNTED UNIT WITH BOTH WASTE EXITS AS WALL OUTLETS. CENTERED ORIENTATION. PROVIDE EACH UNIT WITH VERTICAL STACK DRAIN - JAY R SMITH 0675 OR APPROVED EQUIVALENT.	2"	2"	1 1/2"
LTCU-1 (TOILET PART)	LAVATORY TOILET COMBINED UNIT - TOILET PART	WILLOUGHBY	1546 SERIES	STAINLESS STEEL	SAME DESCRIPTION AS LAVATORY PART.	4"	4"	1 1/4"



D6 TYPICAL ROOF SLEEVE
 12" = 1'-0" 0" 1'-0"

E6 CELL FIXTURE DETAIL AND PIPING DIAGRAM
 NOT TO SCALE

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PLUMBING AND ELECTRICAL DETAILS AND SCHEDULES