

**October 17, 2024 -- ADDENDUM NO. 01  
WEST VIRGINIA UNIVERSITY AT PARKERSBURG -  
WV COMMUNITY AND TECHNICAL COLLEGE SYSTEM  
CAPERTON CENTER UPGRADES**

**TO ALL BIDDERS:**

The following items revise the Bidding Documents dated October 14, 2024. Acknowledge receipt of this Addendum at the appropriate location indicated in the Contract Documents. Failure to do so may cause the Bid to be rejected or disqualified. Updated drawings sheets are attached to Addendum #1.

**ITEM**

**1.0 BIDDING CONTRACT CHANGES**

**2.0 DRAWING CHANGES**

- Revised A0.00-A3.01 to remove the vertical text
- Added P1.01

**3.0 SPECIFICATION CHANGES**

**4.0 SUBSTITUTION REQUESTS**

**5.0 QUESTIONS**

**6.0 ATTACHMENTS**

- Drawing Sheets CS1.00-P1.01

END OF ADDENDUM NO. 01



# WVU PARKERSBURG CAPERTON CENTER - UPGRADES



WHEELING, WV    CHARLESTON, WV    MARTINSBURG, WV    PITTSBURGH, PA  
(304) 233-0140    projects@mckinleydelivers.com  
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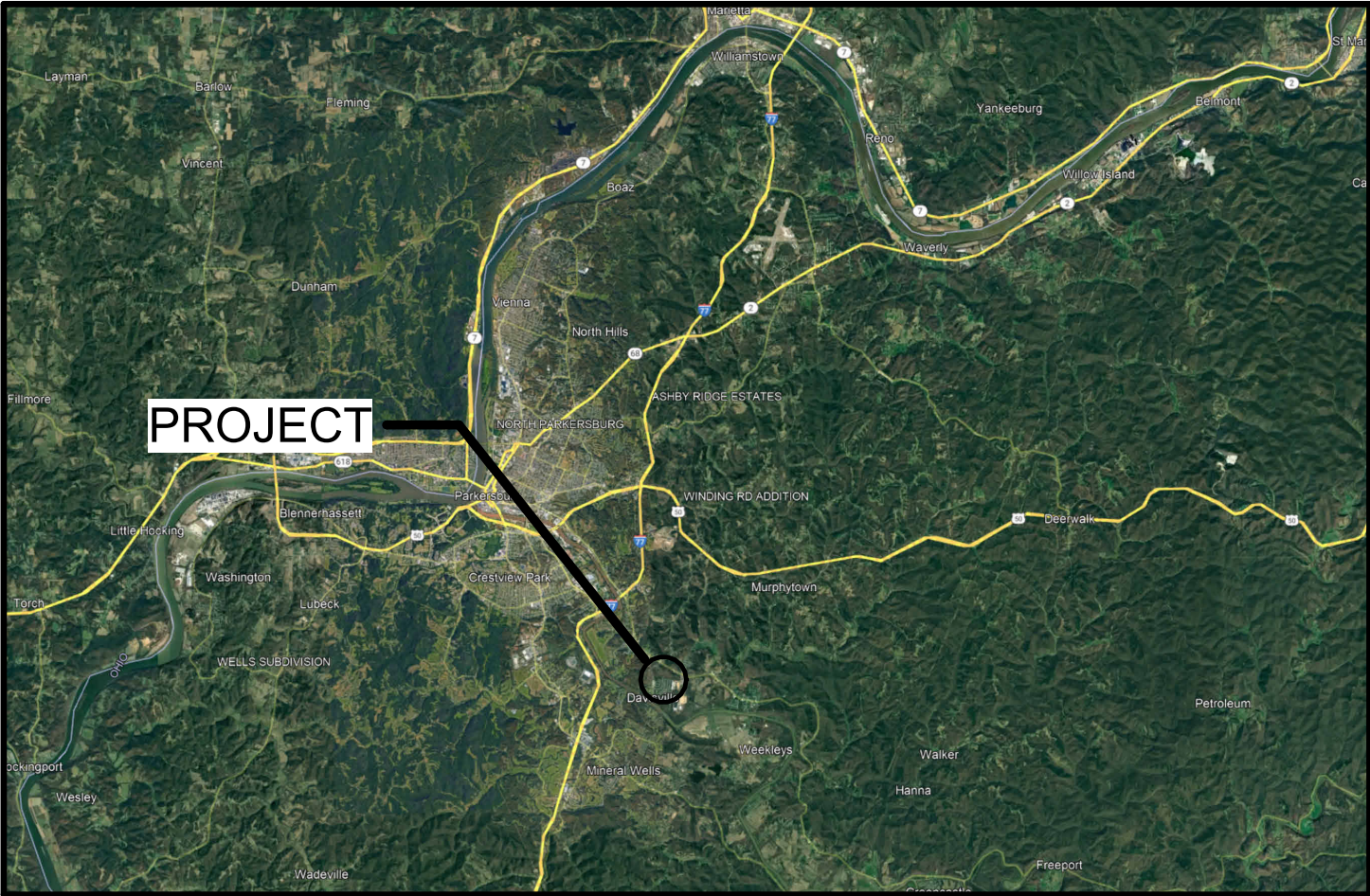
OWNER

300 CAMPUS DRIVE  
PARKERSBURG, WV  
26104

PROJECT ADDRESS

300 CAMPUS DRIVE  
PARKERSBURG, WV  
26104

PROJECT LOCATION MAP



CODE INFORMATION

CODES:

STATE FIRE CODES (SFC) - EFFECTIVE 5/01/2024 INCLUDING  
2021 NFPA 101, 2020 NFPA 70 (NEC)  
& OTHER REFERENCED CODES.

STATE BUILDING CODES (SBC) - EFFECTIVE 8/01/2022 INCLUDING  
2018 I-CODES, 2013 ASHREA 90.1  
2017 ANSI A117.1 ACCESSIBILITY CODE, &  
OTHER SBC REFERENCED CODES

INDEX OF DRAWINGS

10/14/2024

CS1.00	COVER SHEET
<b>ARCHITECTURAL</b>	
A0.00	ARCHITECTURAL SYMBOLS
AD1.01	DEMOLITION PLAN
A1.02	ROOF PLAN
A2.01	EXTERIOR ELEVATIONS
A3.01	EXTERIOR WALL DETAILS
<b>PLUMBING</b>	
P1.01	PLUMBING PLANS, SCHEDULES & SCHEMATICS

REGISTERED DESIGN CERTIFICATIONS



ARCHITECTURAL  
DRAWINGS



FIRE PROTECTION /  
PLUMBING DRAWINGS



TYPICAL ABBREVIATIONS(NOTE: USE THESE MEANINGS UNLESS SPECIFICALLY INDICATED OTHERWISE.)

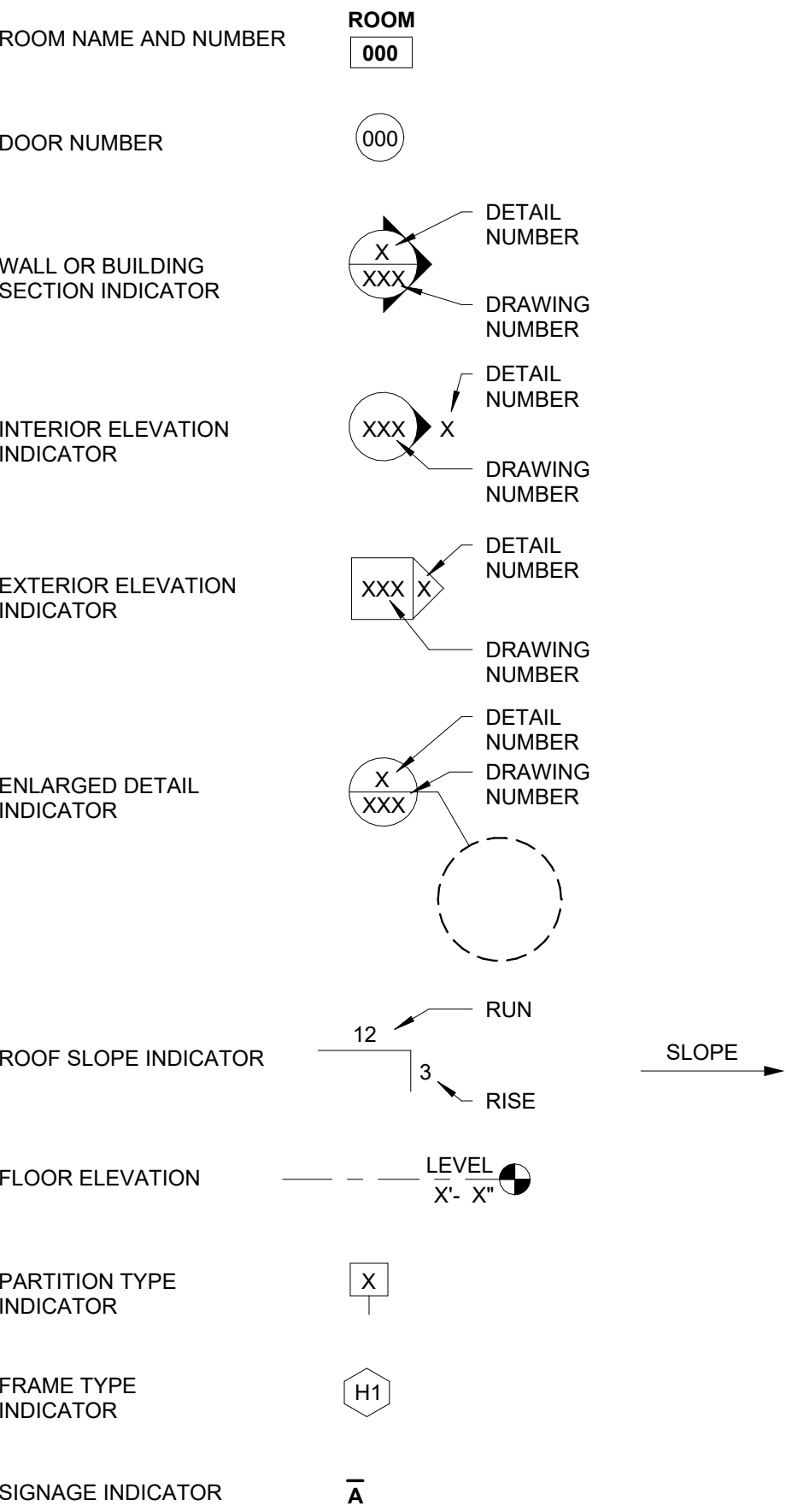
AB	ANCHOR BOLT	F	FIRE	O TO O	OUT TO OUT	UC	UNDERCUT
ACT	ACOUSTIC CEILING TILE	F TO F	FACE TO FACE	OC	ON CENTER	UH	UNIT HEATER
		F DPR	FIRE DAMPER	OD	OUTSIDE DIAMETER	UL	UNDERWRITERS LABORATORIES
ACST	ACOUSTIC, ACOUSTICAL	FA	FIRE ALARM	OPP	OPPOSITE	UNO	UNLESS NOTED OTHERWISE
ADA	AMERICANS WITH DISABILITY ACT	FD	FLOOR DRAIN	OSF	OUTSIDE FACE	UTIL	UTILITY
ADD	ADDITIONAL	FDN	FOUNDATION	OVHD	OVERHEAD	UV	UNIT VENTILATOR
ADJ	ADJUSTABLE	FDV	FIRE DEPARTMENT VALVE	OVERALL	OVERALL		
AFF	ABOVE FINISH FLOOR	FE	FIRE EXTINGUISHER	OCEW	ON CENTER EACH WAY	VAC	VACUUM
ALUM	ALUMINUM	FEC	FIRE EXTINGUISHER CABINET	OPG	OPENING	VB	VAPOR BARRIER
		FES	SURFACE MOUNTED FIRE EXTINGUISHER	OPER	OPERATOR/OPERATE	VCT	VINYL COMPOSITION TILE
ALT	ALTERNATE		AND WALL BRACKET	OZ	OUNCE	VERT	VERTICAL
AP	ACCESS PANEL	FECHM	FIRE EXTINGUISHER CHEMICAL			VEST	VESTIBULE
		FH&VC	FIRE HOSE & VALVE CABINET	±	PLUS/MINUS	VP	VISION PANEL
APPR	APPROVED	FIN	FINISH	PA	PUBLIC ADDRESS	VT	VINYL TILE
APPROX	APPROXIMATE	FIX	FIXTURE	PART	PARTITION	VTR	VENT THRU ROOF
ARCH	ARCHITECTURAL	FHYD	FIRE HYDRANT	PB	PUSH BUTTON	VWC	VINYL WALL COVERING
ASPH	ASPHALT	FLR	FLOOR	PCP	PRECAST CONCRETE PANEL		
		FLEX	FLEXIBLE	PED	PEDESTAL	W/	WITH
AUTO	AUTOMATIC	FLSH	FLASHING	PERM	PERMANENT	W/O	WITH OUT
AUX	AUXILIARY	FLUOR	FLUORESCENT	PERP	PERPENDICULAR	WA	WAINSCOT
		FR	FIRE RETARDANT	PH	PHASE	WC	WATER CLOSET
AVE	AVENUE	FP	FIRE PROTECTION	PI	POINT OF INTERSECTION	WD	WOOD
		FT	FOOT	PL	PLATE	WDW	WINDOW
B/	BOTTOM OF	FTG	FOOTING	PLAM	PLASTIC LAMINATE	WP	WORK POINT
		FURN	FURNISH	PLAS	PLASTER	WPF	WATERPROOFING
BB	BULLETIN BOARD	FUT	FUTURE	PLATF	PLATFORM	WST	WASTE
BET	BETWEEN	FVC	FIRE VALVE CABINET	PLUM	PLUMBING	WT	WEIGHT
				PLY	PLYWOOD	WTR	WATER
BD	BOARD	GA	GAGE/GAUGE	PNL	PANEL	WW	WALL TO WALL
BLDG	BUILDING	GB	GRAB BAR	PNT	PAINT	WWF	WELDED WIRE FABRIC
		GEN	GENERAL	POL	POINT OF LINE		
BLW	BELOW	GND	GROUND	POS	POSITIVE	YD	YARD
BLWFL	BELOW FLOOR	GVL	GRAVEL	PP	POWER POLE	YHD	YARD HYDRANT
BLKG	BOOKING	GYP	GYPSONIUM	PT	POINT	YR	YEAR
BM	BEAM	GALV	GALVANIZE/GALVANIZED	P/T	PRESSURE TREATED		
BSMT	BASEMENT	GC	GENERAL CONTRACTOR	PVC	POLYVINYL		
BP	BID PACKAGE	GL	GLASS				
BRG	BEARING	GR	GRADE	QT	QUARRY TILE		
		GWB	GYPSONIUM WALLBOARD				
BRK	BRICK			ø	DIAMETER		
BSMT	BASEMENT	HP	HOSE BIB	R	RADIUS		
BT	BATHTUB	HBD	HARDBOARD	R/W	RIGHT OF WAY		
		HD	HEAD	RA	RETURN AIR		
B/W	BOTH WAYS	HDWD	HARDWOOD	RAD	RADIUS		
		HGT	HEIGHT	RECEPT	RECEPTACLE		
BOT	BOTTOM	HORIZ	HORIZONTAL	RECVG	RECEIVING		
		HTG	HEATING	RD	ROOF DRAIN		
C/C	CENTER TO CENTER	HVAC	HEATING, VENTILATION & AIR CONDITIONING	REC	RECESS		
CAB	CABINET			REF	REFERENCE		
CAP	CAPACITY	HC	HOLLOW CORE	REFL	REFLECTED		
		HDPE	HIGH DENSITY POLYETHYLENE	REFR	REFRIGERATOR		
CANTIL	CANTILEVER	HDW	HARDWARE	REG	REGISTER		
CB	CATCH BASIN	HDR	HANDRAIL	RENIF	REINFORCEMENT		
CD	CANOPY DRAIN	HM	HOLLOW METAL	REQD	REQUIRED		
		HP	HIGH POINT	RES	RESILIENT		
CEM	CEMENT	HTR	HEATER	REV	REVISION		
		HV	HIGH VELOCITY	RF	ROOF		
CER	CERAMIC			RFG	ROOFING		
CG	CORNER GUARD	ID	INSIDE DIAMETER	RFH	ROOF HATCH		
		IN	INCH	RH	RIGHT HAND		
CHBD	CHALKBOARD	INSUL	INSULATION	RL	ROOF LEADER		
CHEM	CHEMICAL	INTR	INTERIOR	RM	ROOM		
		INV	INVERT	RO	ROUGH OPENING		
CKR	CHECKER OR CHECKERED			RR	RAIL ROAD		
CI	CAST IRON	JC	JANITOR CLOSET	SA	SUPPLY AIR		
		JST	JOIST	SAB	SOUND ATTENUATION BATTS		
CIP	CAST IN PLACE	JUNC	JUNCTION	S&R	SUPPLY & RETURN		
CIRC	CIRCUIT	JT	JOINT	SAN	SANITARY		
				SC	SOLID CORE		
CJ	CONSTRUCTION JOINT	KO	KNOCK OUT	SCHED	SCHEDULE		
CL	CENTER LINE			SD	STORM DRAIN		
CLL	CONSTRUCTION LIMIT LINE	LAM	LAMINATE	SECT	SECTION		
CLG	CEILING	LB	POUND	SFP	SPRAYED FIRE PROTECTION		
		LH	LEFT HAND	SHT	SHEET		
CLJ	CONTROL LINE	LKR	LOCKER	SHV	SHELVING		
CLO	CLOSET	LP	LOW POINT	SI	SURFACE INLET		
		LV	LOW VOLTAGE	SIM	SIMILAR		
CLR	CLEAR	LAV	LAVATORY	SP	SPACE/SPACES		
CM	CONSTRUCTION MANAGER	LF	LINEAR FEET	SPEC	SPECIFICATION		
CMP	CORRUGATED METAL PIPE	LIN	LINEAR	SPR	SPRINKLER		
CMPSN	COMPOSITION	LTG	LONGITUDINAL	SS	STAINLESS STEEL		
CMU	CONCRETE MASONRY UNIT	LTG	LIGHTING	SQ	SQUARE		
CNTR	COUNTER	LVR	LOUVER	SSD	SURFACE DRAIN		
				STA	STATION		
COL	COLUMN	MAS	MASONRY	ST	STREET		
COMP	COMPRESSED	MATL	MATERIAL	STD	STANDARD		
CONN	CONNECT	MAX	MAXIMUM	STOR	STORAGE		
CONC	CONCRETE	MECH	MECHANICAL	STL	STEEL		
		MEMB	MEMBRANE	SUBSTA	SUBSTATION		
CONT	CONTINUOUS/CONTINUATION	MEZZ	MEZZANINE	STRUCT	STRUCTURAL		
CONST	CONSTRUCTION	MFR	MANUFACTURER	SURF	SURFACE		
CONV	CONVECTOR	MH	MANHOLE	SUP	SUPPLY		
CONTR	CONTRACTOR	MIN	MINIMUM	SUSP	SUSPENDED		
CORR	CORRUGATED	MISC	MISCELLANEOUS	SW	SWITCH		
COORD	COORDINATE	MKBD	MARKER BOARD	SW/BD	SWITCH BOARD		
		MO	MASONRY OPENING	SYM	SYMMETRICAL		
CPT	CARPET	MON	MONUMENT				
CP	CEMENT PLASTIC	MS	METAL STUDS	T	TREAD		
		MT	MOUNT	T/	TOP OF		
CT	CERAMIC TILE	MTD	MOUNTED	TBS	TO BE SELECTED		
CTR	CENTER	MTG	MOUNTING	T&B	TOP & BOTTOM		
		MTL	METAL	T&G	TONGUE & GROOVE		
CTSK	COUNTERSUNK	MUL	MULLION	TC	TOP OF CURB		
CU	CUBIC	MW	MILL WORK	TD	TRENCH DUCT		
CULV	CULVERT			TEL	TELEPHONE		
CW	CASEWORK	NA	NOT APPLICABLE	TEMP	TEMPORARY		
		NEG	NEGATIVE	THK	THICK		
°	DEGREES	NIC	NOT IN CONTRACT	THD	THRESHOLD		
DBL	DOUBLE	NO	NUMBER	TKBD	TACK BOARD		
DEM	DEMOUNTABLE	NOM	NOMINAL	TOP C	TOP OF CONCRETE		
DEPT	DEPARTMENT	NTS	NOT TO SCALE	TOL	TOLERANCE		
DF	DRINKING FOUNTAIN			TOS	TOP OF SLAB		
DIA	DIAMETER			TRANS	TRANSFORMER		
DIAG	DIAGRAM			TRTD	TREATED		
DIFF	DIFFUSER			TIS	TOP OF STEEL		
DIM	DIMENSION			TV	TELEVISION		
DIR	DIRECTION			TW	TOP OF WALL		
DISC	DISCONNECT			TYP	TYPICAL		
DISCH	DISCHARGE						
DISP	DISPENSER						
DN	DOWN						
DS	DOWNSPOUT						
DTL	DETAIL						
DWG	DRAWING						
EA	EACH						
EF	EACH FACE						
EIFS	EXTERIOR INSULATION & FINISH SYSTEM						
EJ	EXPANSION JOINT						
ELEC	ELECTRICAL						
EL	ELEVATION						
ELEV	ELEVATION						
ENGR	ENGINEER						
ENR	ENTRANCE						
EP	ELECTRICAL PANEL						
EQUIP	EQUIPMENT						
EQ	EQUAL						
EW	ELECTRIC WATER COOLER						
EXH	EXHAUST						
EXIST	EXISTING						
EXC	EXCAVATE, EXCAVATION						
EXP	EXPANSION						
EXT	EXTERIOR						

GENERAL NOTES

- DO NOT SCALE DRAWINGS
- FIELD VERIFY EXISTING CONDITIONS
- SCHOOL PROPERTY WHICH MUST BE REMOVED OR RELOCATED BY THE CONTRACTOR SHOULD BE COORDINATED WITH THE MAINTENANCE STAFF
- DIMENSIONS OF EXISTING ELEMENTS ARE APPROXIMATES AND SHOULD BE FIELD VERIFIED PRIOR TO THE COMMENCEMENT OF WORK. IF THE DIMENSION VARIES MORE THAN 1", NOTIFY THE ARCHITECTS REPRESENTATIVE FOR CLARIFICATION.
- SURVEY FLOOR ELEVATIONS AND FLOOR ELEVATIONS AT ENTRANCES PRIOR TO COMMENCEMENT OF WORK. SUBMIT THE DIMENSIONS TO THE ARCHITECT FOR REVIEW.
- UNLESS NOTED OTHERWISE, DIMENSIONS ARE FROM THE FACE OF WALL, TOP OF SLAB, BOTTOM OF FINISHED CEILING, BOTTOM OF BULKHEAD. ADD OR SUBTRACT THICKNESS OF FINISHES INDICATED ON FINISH SCHEDULE TO DIMENSIONS AS APPLICABLE
- SUPPORT EQUIPMENT FROM STRUCTURAL MEMBERS ABOVE. DO NOT SUPPORT EQUIPMENT FROM DECK ABOVE
- INSTALL MATERIALS AND PRODUCTS ACCORDING TO THE MANUFACTURER'S LATEST WRITTEN RECOMMENDATIONS
- EXISTING FLOOR FINISHED FLOOR ELEVATION OF 701.23' IS REFERRED TO ON THIS SET OF DOCUMENTS AS 0'-0"

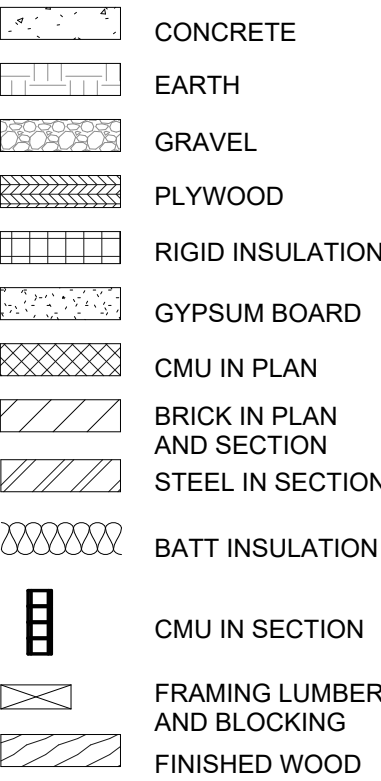
GENERAL NOTES  
1/8" = 1'-0"

TYPICAL ARCHITECTURAL SYMBOLS



ARCHITECTURAL SYMBOLS  
1/8" = 1'-0"

ARCHITECTURAL MATERIALS  
LEGEND



ARCHITECTURAL MATERIALS LEGEND  
1/8" = 1'-0"

ARCHITECTURAL SYMBOLS  
WVU PARKERSBURG CAPERTON CENTER - UPGRADES  
300 CAMPUS DRIVE  
PARKERSBURG, WV 26104

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DATE 10/14/2024  
PROJECT No 24302.01  
SHEET No

A0.00

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GENERAL DEMOLITION NOTES

1. FIELD VERIFY EXISTING CONDITIONS.

2. ONLY WORKMEN SKILLED AND KNOWLEDGABLE IN THEIR RESPECTIVE TRADES SHALL BE EMPLOYED IN DEMOLITION WORK.

3. ONLY EXISTING CONDITIONS ARE SHOWN ON THE DEMOLITION DRAWINGS.

4. ITEMS SHOWN AS DASHED LINES ARE TO BE DEMOLISHED AND REMOVED.

5. THE SCOPE OF DEMOLITION WORK HAS BEEN INDICATED ON THESE DOCUMENTS FOR THE CONTRACTOR'S INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE FULL SCOPE, EXTENT, NATURE, AND MANNER OF DEMOLITION REQUIRED.

6. REFER TO THE ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, AND TECHNOLOGY DOCUMENTS PRIOR DEMOLITION ACTIVITIES AND COORDINATE EXTENT OF DEMOLITION TO MATCH THE REQUIREMENTS FOR NEW CONSTRUCTION.
7. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO DEMOLISH ONLY WORK THAT IS REQUIRED TO BE DEMOLISHED AND NOT TO DISTURB ANY WORK WHICH IS TO REMAIN. IF, IN THE COURSE OF DEMOLITION, THE CONTRACTOR DISTURBS OR DAMAGES ANY WORK THAT IS TO REMAIN, HE SHALL, AT HIS EXPENSE, REPAIR OR REPLACE THE DAMAGED ITEMS.

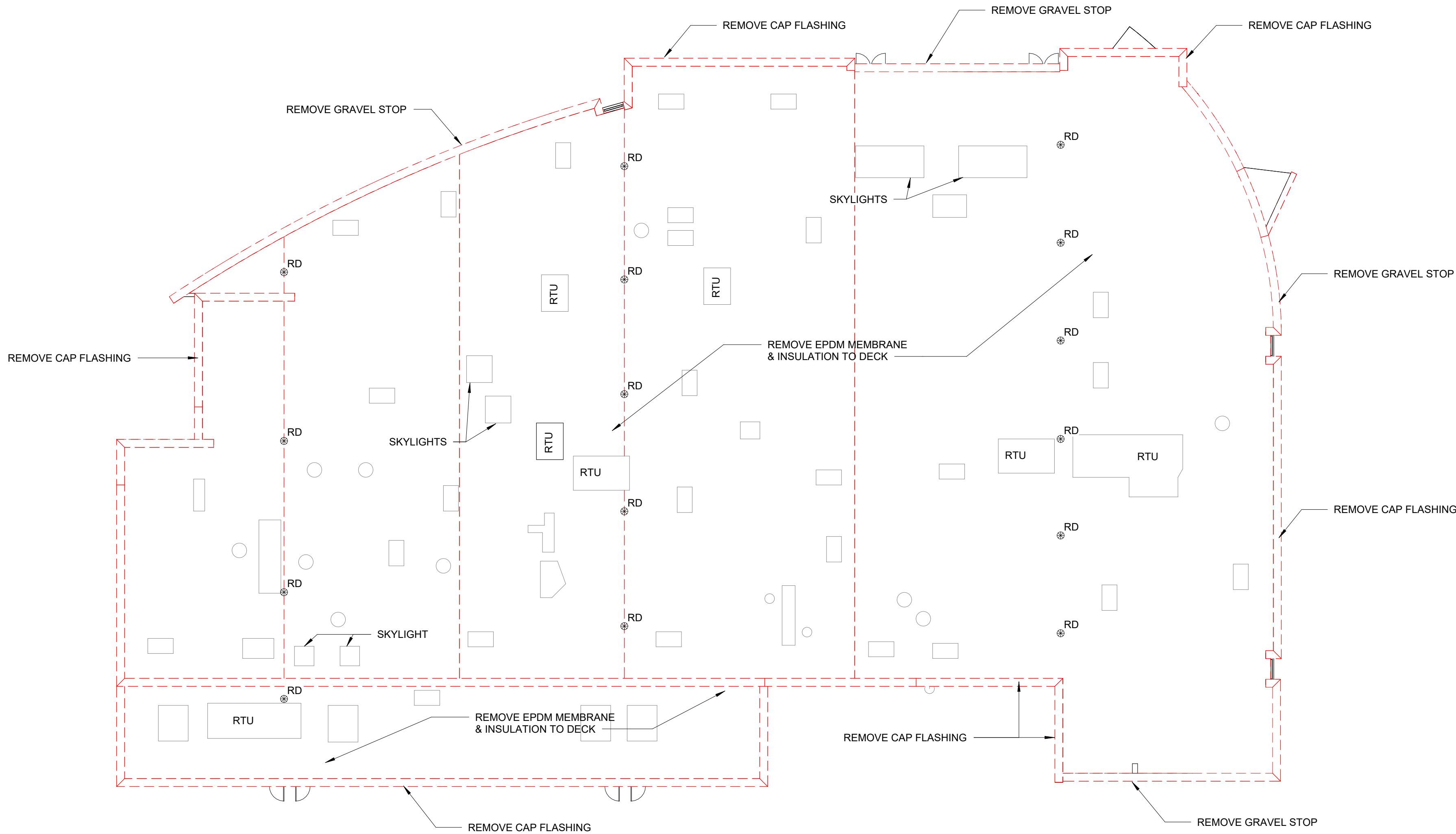
8. AREAS, SURFACES, AND FINISHES NOT AFFECTED BY THE WORK OF THIS CONTRACT SHALL BE PROTECTED PRIOR TO AND UNTIL COMPLETION OF THE WORK.

9. CUTS AND PENETRATIONS THROUGH EXISTING CONSTRUCTION REQUIRED TO ACCOMPLISH NEW WORK SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND SHALL BE DONE NEATLY WITHOUT DISTURBING ADJECENT WORK TO REMAIN.

10. REPLACE ALL P.T. BLOCKING NOT SUITABLE FOR ANCHORING NEW FLASHING, GRAVEL STOPS, & SILLS TO.

DEMOLITION LEGEND

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO REMAIN



A2 ROOF DEMOLITION PLAN  
1/16" = 1'-0"

No.	Revision	Date

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TITLE	DEMOLITION PLAN
PROJECT	WVU PARKERSBURG CAPERTON CENTER - UPGRADES 300 CAMPUS DRIVE PARKERSBURG, WV 26104

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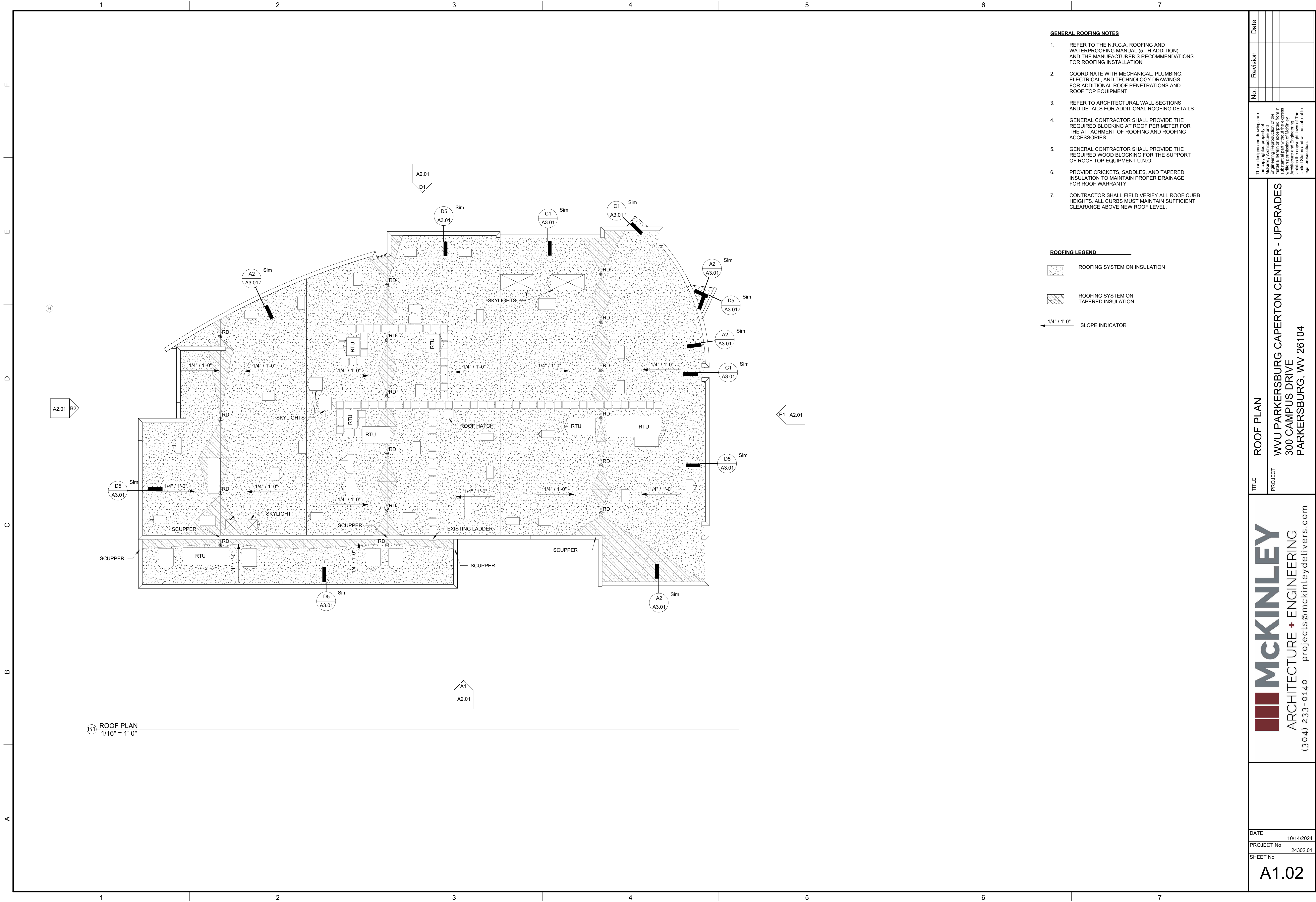
DATE	10/14/2024
PROJECT No	24302.01
SHEET No	

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B1 ROOF PLAN  
1/16" = 1'-0"

GENERAL ROOFING NOTES

- REFER TO THE N.R.C.A. ROOFING AND WATERPROOFING MANUAL (5 TH ADDITION) AND THE MANUFACTURER'S RECOMMENDATIONS FOR ROOFING INSTALLATION
- COORDINATE WITH MECHANICAL, PLUMBING, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR ADDITIONAL ROOF PENETRATIONS AND ROOF TOP EQUIPMENT
- REFER TO ARCHITECTURAL WALL SECTIONS AND DETAILS FOR ADDITIONAL ROOFING DETAILS
- GENERAL CONTRACTOR SHALL PROVIDE THE REQUIRED BLOCKING AT ROOF PERIMETER FOR THE ATTACHMENT OF ROOFING AND ROOFING ACCESSORIES
- GENERAL CONTRACTOR SHALL PROVIDE THE REQUIRED WOOD BLOCKING FOR THE SUPPORT OF ROOF TOP EQUIPMENT U.N.O.
- PROVIDE CRICKETS, SADDLES, AND TAPERED INSULATION TO MAINTAIN PROPER DRAINAGE FOR ROOF WARRANTY
- CONTRACTOR SHALL FIELD VERIFY ALL ROOF CURB HEIGHTS. ALL CURBS MUST MAINTAIN SUFFICIENT CLEARANCE ABOVE NEW ROOF LEVEL.

ROOFING LEGEND

- ROOFING SYSTEM ON INSULATION
- ROOFING SYSTEM ON TAPERED INSULATION
- 1/4" / 1'-0" SLOPE INDICATOR

TITLE ROOF PLAN  
PROJECT WVU PARKERSBURG CAPERTON CENTER - UPGRADES  
300 CAMPUS DRIVE  
PARKERSBURG, WV 26104

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A1.02

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Revision

Date

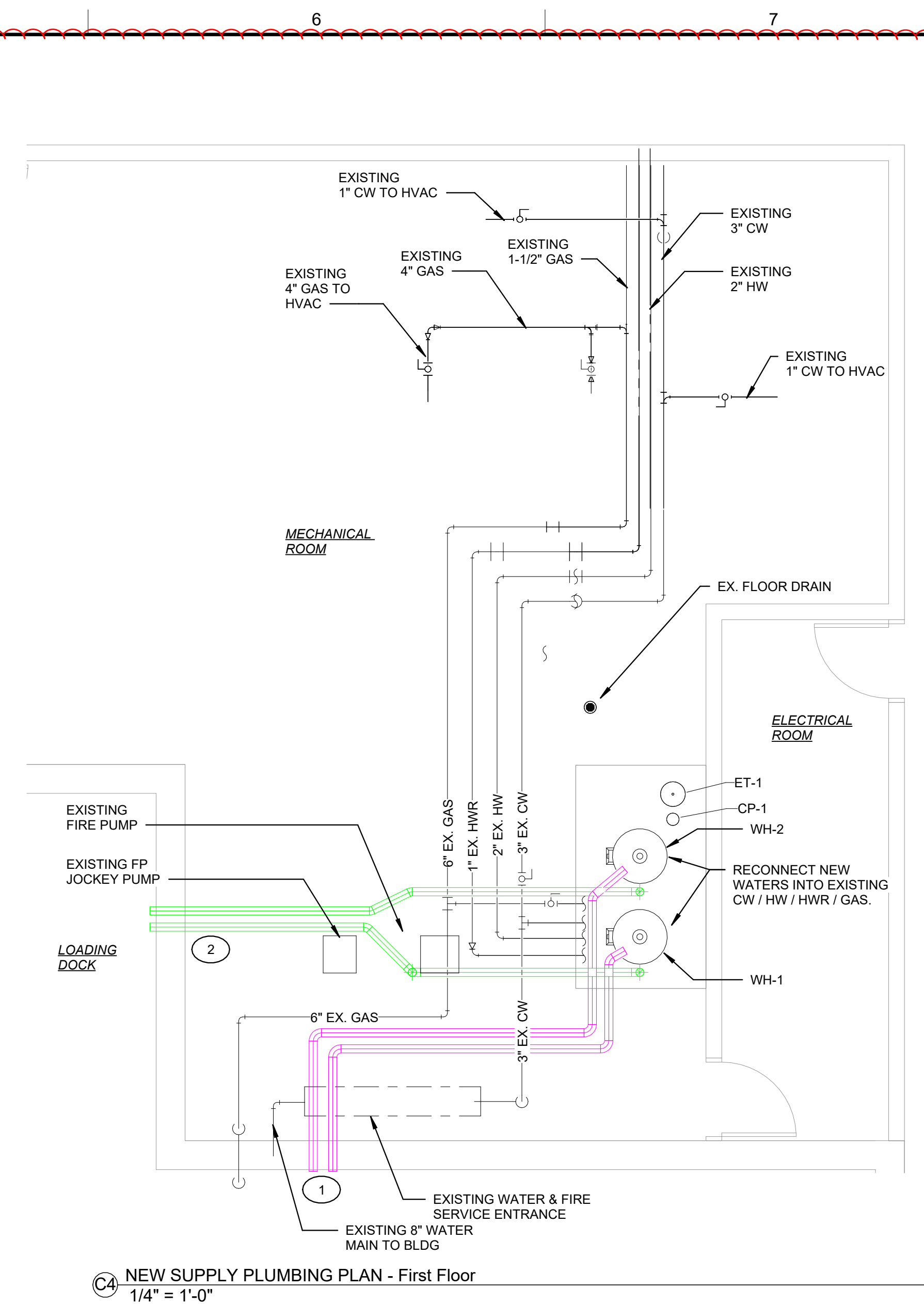
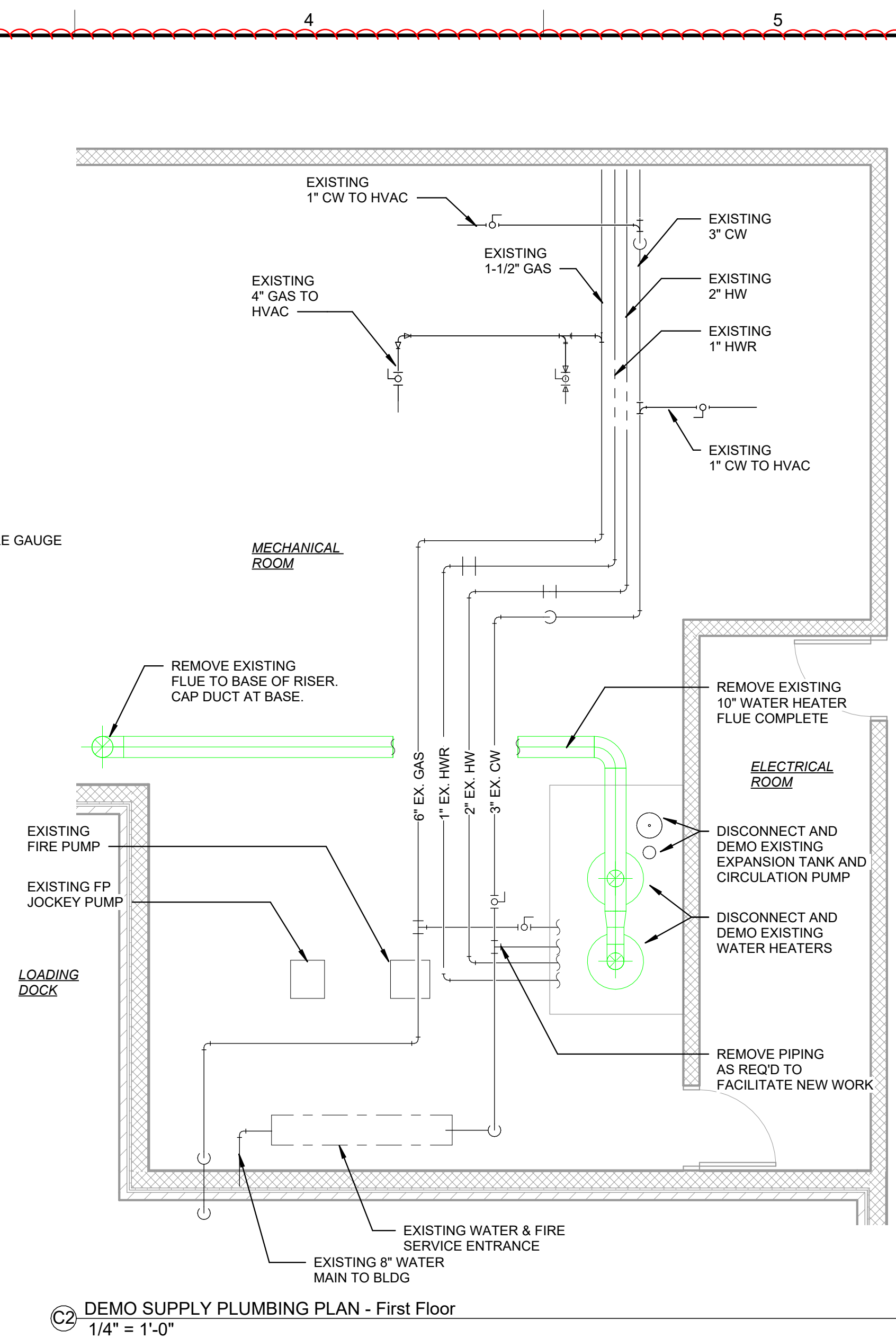
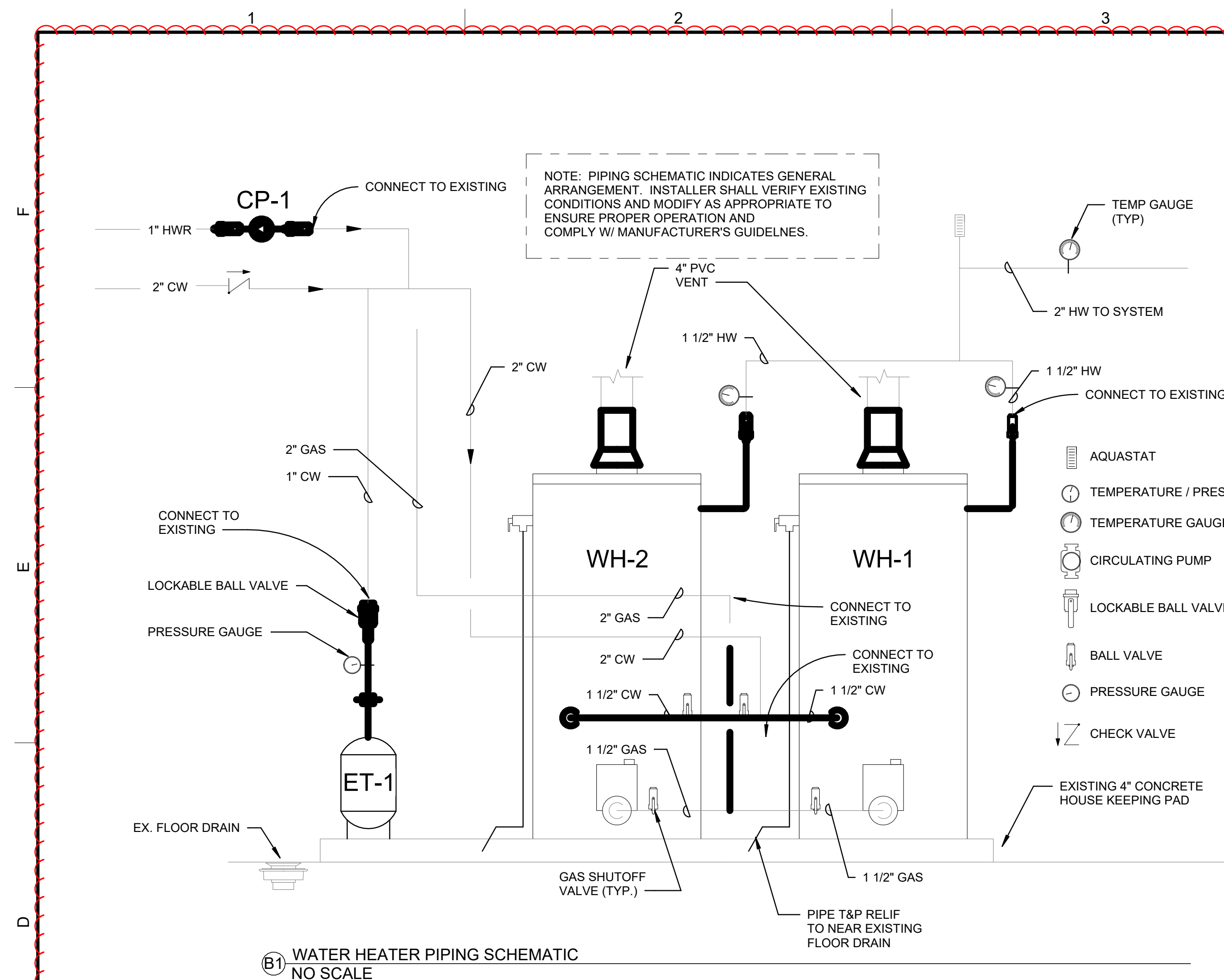












## PLUMBING GENERAL NOTES

1. ALL PLUMBING WORK IS TO BE IN ACCORDANCE WITH CURRENT ADOPTED INTERNATIONAL PLUMBING CODE & ALL OTHER APPLICABLE LOCAL CODES.
2. DO NOT SCALE DRAWINGS FOR INSTALLATION PURPOSES. ALL PIPING SHOWN IS SCHEMATIC AND NOT INTENDED TO REPRESENT ACTUAL SIZE OF PIPING &/OR FITTINGS OR SHOW INSULATION THICKNESS. CONTRACTOR TO VERIFY THE ACTUAL PIPE SIZES BEFORE FABRICATION AND INSTALLATION OF PLUMBING WORK.
3. EXISTING PIPING IS SHOWN AS REPRESENTED ON DRAWINGS AND NON DESTRUCTIVE FIELD INVESTIGATION.
4. CONTRACTOR IS TO FIELD VERIFY ALL JOB CONDITIONS BEFORE STARTING ANY CONSTRUCTION PROCESS. REPORT "ANY MAJOR DISCREPANCY TO THE ARCHITECT/ENGINEER FOR FURTHER INSTRUCTION.
5. EACH TRADE IS RESPONSIBLE TO REVIEW ALL SHEETS OF THE CONSTRUCTION DRAWINGS AND SPECIFICATION SECTIONS TO DETERMINE THEIR SCOPE OF WORK INVOLVED AND TO PROVIDE COORDINATION WITH ALL OTHER CODES.
6. ALL WORK IS TO BE COORDINATED, REGARDLESS OF TRADE INVOLVED, TO ASSURE THE WORK IS COMPLETED IN A TIMELY MANNER.
7. ANY WORK INSTALLED INCORRECTLY OR IN CONFLICT WITH THE WORK OF OTHER TRADES DUE TO THE LACK OF COORDINATION WITH THE OTHER TRADES, BECOMES THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR & CORRECTIONS SHALL BE MADE BY SAID CONTRACTOR WITHOUT ADDITIONAL COMPENSATION.
8. DIMENSIONS, WHERE SHOWN, ARE IN INCHES UNLESS OTHERWISE NOTED.
9. WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN FURNISH AND INSTALL COMPLETE AND READY FOR PROPER USE.
10. CONTRACTOR IS TO REPAIR ALL ARCHITECTURAL SURFACES WHICH ARE DAMAGED DURING THE PERFORMANCE OF THE CONTRACT WORK. REPAIRS ARE TO MATCH THE EXISTING CONDITION BEFORE THE SAID DAMAGE OCCURRED.
11. EACH CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING OF BUILDING COMPONENTS NECESSARY, AS SHOWN OR OTHERWISE REQUIRED FOR THE INSTALLATION OF THE WORK. ALL PATCHING SHALL CONFORM TO THE SUBSURFACE OR SURFACE CHARACTERISTICS OF THE ADJACENT SURFACES. SURFACES SHALL BE PREPARED TO ACCEPT NEW WALL, FLOOR, OR CEILING COVERINGS. AS SHOWN ON THE ARCHITECTURAL ROOM FINISH SCHEDULE.
12. ALL DOMESTIC SUPPLY PIPING TO BE TYPE L OR M COPPER WITH PIPE INSULATION.

## PLUMBING PIPE TYPES

EXISTING DCW

EXISTING DHW

EXISTING DHW-RET

EXISTING GAS

DEMO DCW

DEMO DHW

DEMO DHW-RET

DCW

DHW

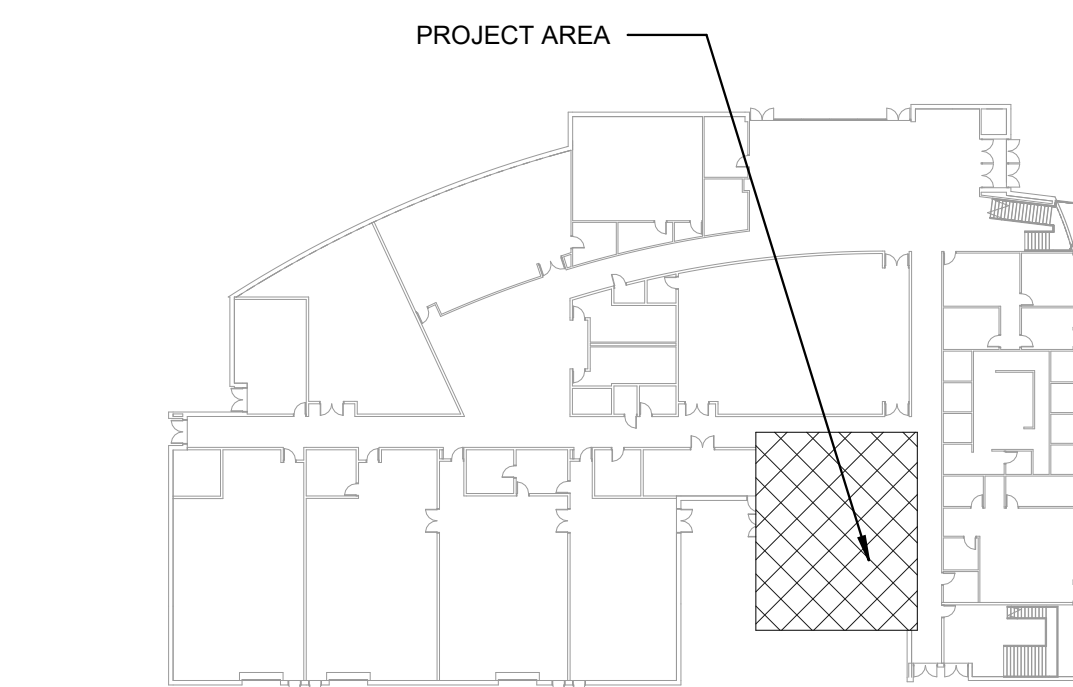
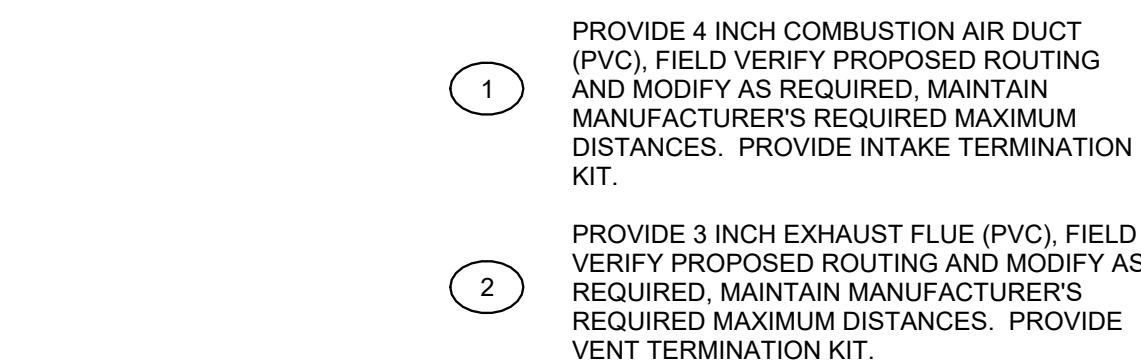
DHW-RET

GAS


PUMP SCHEDULE								
MARK	BELL & GOSSET MODEL #	GPM	HEAD (FT H2O)	HP	ELECTRIC			WEIGHT (LBS)
					V/PH/HZ	FLA	MOCP	
RP-1	SERIES 60	7	15	1 / 4	120/1/60	-	15.0	-
REMARKS:								
- CAST BRONZE VOLUTE / 304 STAINLESS STEEL FACE PLATE / ASTM B585 IMPELLER.								
- CARBON STEEL IMPELLER KEY / STAINLESS STEEL IMPELLER LOCK								
- STEEL SHAFT / COPPER ALLOY 111 SHAFT SLEEVE								
- CELLU-FIBER VOLUTE GASKET / CF8 STAINLESS STEEL COVER PLATE								
- CARBON STEEL IMPELLER KEY / STAINLESS STEEL IMPELLER LOCK								
- STAINLESS STEEL SPRING & HOUSING / CARBON SEAL RING / SILICON CARBIDE SEAT INSERT								
- VARIABLE SPEED ECM								

DOMESTIC WATER HEATER SCHEDULE												
MARK	AO SMITH MODEL #	GAS		WATER			H2O VOL (GAL)	INLET / OUTLET	ELECTRIC			WEIGH (LBS)
		MBH	MIN PRESSURE	DELIVERY TEMP (°F)	GPH	DELTA T			V/PH/Hz	FLA	MOCp	
WH-1	BTH-199	199	3.5" W.C.	135	191	100	100	1.5"	120/1/60	5	15	1,500
WH-2	BTH-199	199	3.5" W.C.	135	190	100	100	1.5"	120/1/60	5	15	1,500
<b>REMARKS:</b> - INTEGRAL AUTOMATIC GAS SHUTOFF SYSTEM - ASME RATED T&P RELIEF VALVE FACTORY INSTALLED - MAX WORKING PRESSURE 160 PSI STANDARD - ADJUSTABLE THERMOSTAT W/ 120°F - 180°F RANGE - SCHEDULE 40 PVC INTAKE AND EXHAUST PIPE, 4" SIZE. - GLASSLINED TANK. - STAINLESS STEEL CORE ANODE RODS. - PROVIDE LOW PROFILE VENT TERMINATION KITS												

EXPANSION TANK SCHEDULE									
MARK	WESSELS MODEL #	ACCEPT VOLUME (GALL)	TOTAL VOLUME (GALL)	PRESSURES		TEMPERATURES		WEIGHT LBS.	FLOOD WEIGHT LBS.
				MIN PSI	MAX PSI	MIN °F	MAX °F		
ET-1	NLAP-150	3.3	5	30	60	40	140	28	70
REMARKS:									
- CARBON STEEL SHELL & HEADS, RED OXIDE PRIMER EXTERIOR, HEAVY-DUTY BUTYL BLADDER. PRE-CHARGE									
- TANK EQUIPED WITH NPT STAINLESS STEEL SYSTEM CONNECTION & CHARGING VALVE CONNECTION									
- ASME RATED									



5 KEYPLAN  
1" = 50'-0"

<div><p><b>McKINLEY</b> ARCHITECTURE + ENGINEERING (304) 233-0140 projects@mcinleydelivers.com</p></div>	PLUMBING PLANS, SCHEDULES & SCHEMATICS	
	TITLE	PROJECT
WVU PARKERSBURG CAPERTON CENTER 300 CAMPUS DRIVE PARKERSBURG, WV 26104		
DATE	10/14/2024	
PROJECT No	24302.01	
SHEET No		
P1.01		

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