

VA FORM 08-6231									
1	2	3	4	5	6	7	8	9	10



SHEET NOTES:

1. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
2. SEE SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
3. L# = LINTEL MARK - SEE LINTEL SCHEDULE ON THIS SHEET.
4. (E) PCL = EXISTING PRECAST CONCRETE LINTEL

1 INFILL EXISTING OPENING WITH 8" C.M.U.
GROUTED AND REINFORCED WITH #5 VERT.
PROVIDE NEW STEEL LINTEL - S.D. 1/3004-S-401

2 INFILL EXISTING OPENING WITH 8" C.M.U.
GROUTED AND REINFORCED WITH #5 VERT. @
1'-4" O.C. - S.D. 2/3004-S-401

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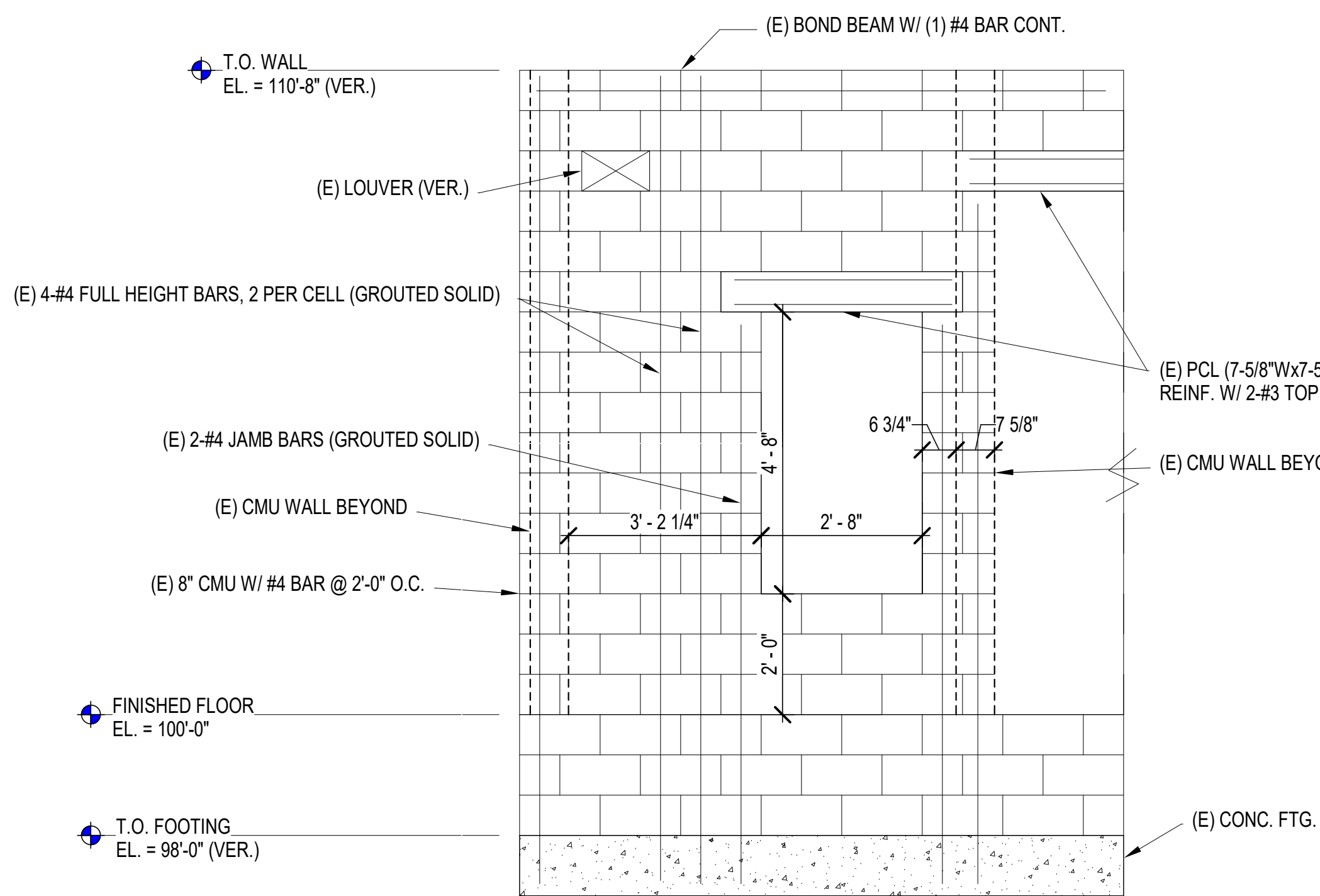
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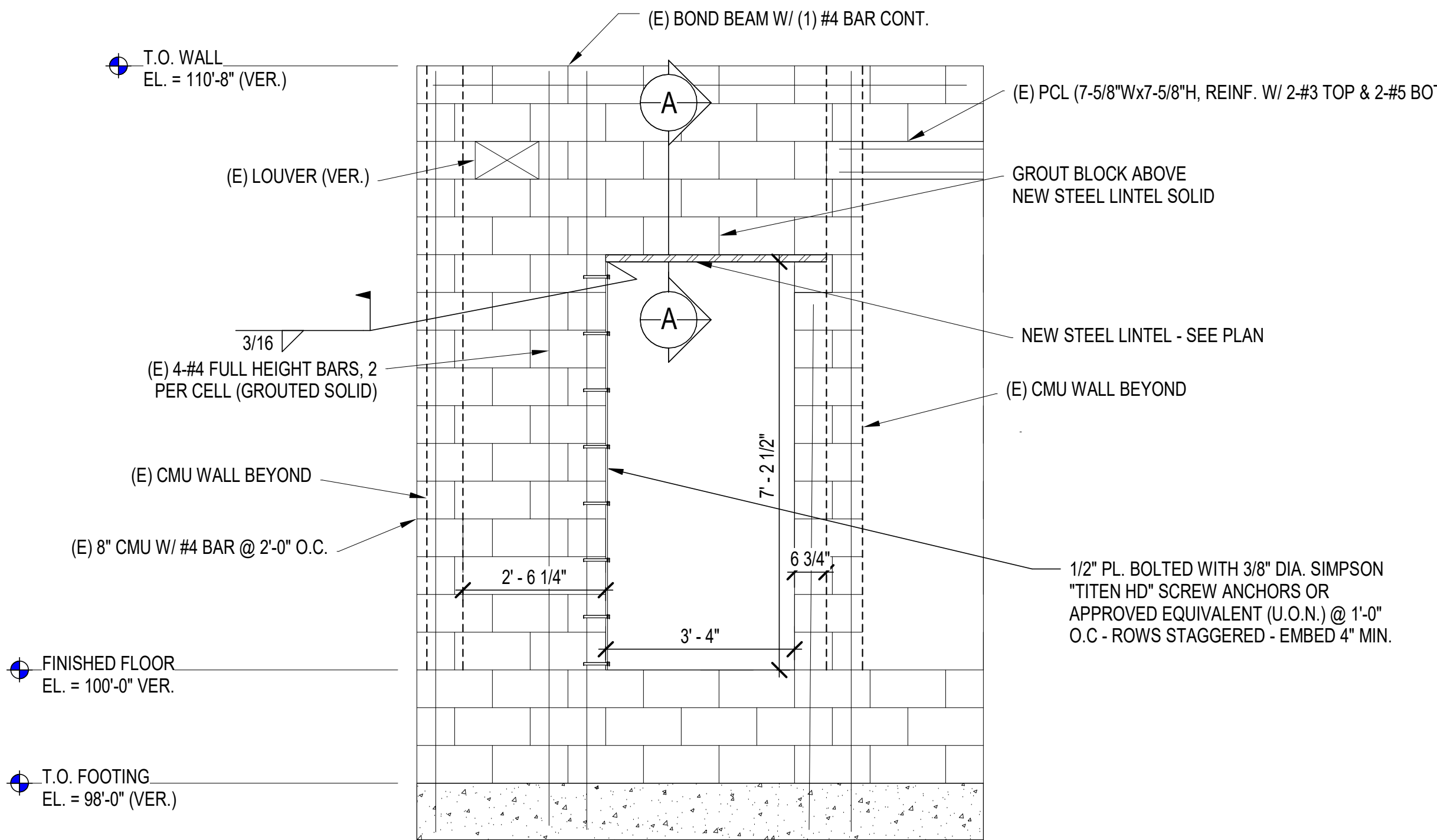
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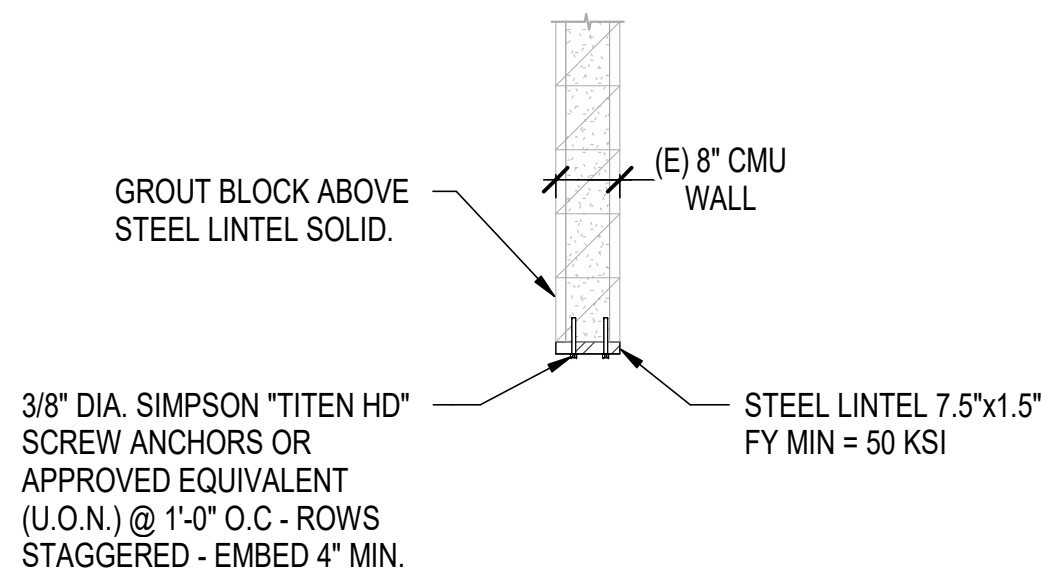
NOTE:
1. FIELD VERIFY ALL EXISTING CONDITIONS

EXISTING CONDITION

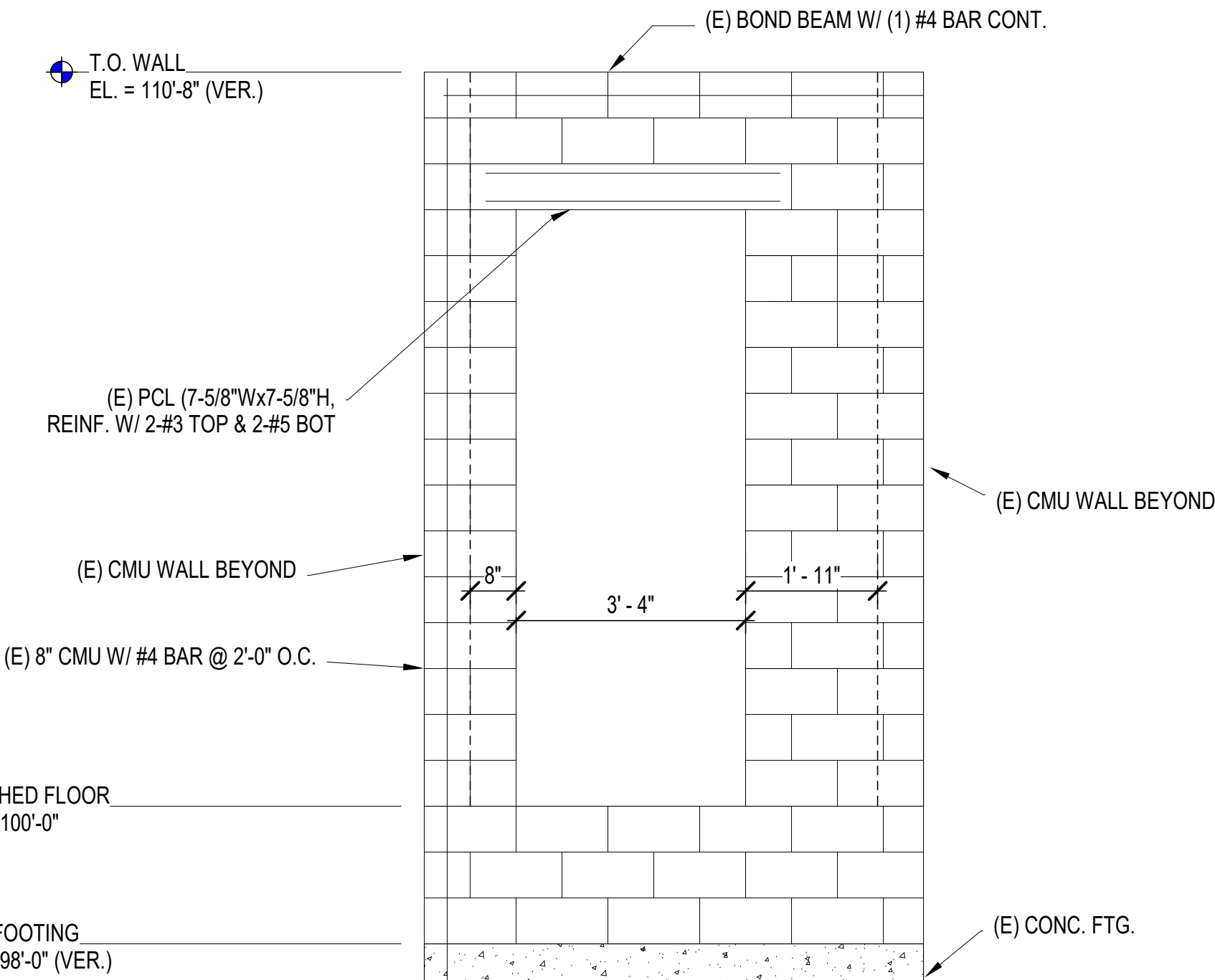


NOTE:
1. VERIFY ALL DIMENSIONS @ NEW CONDITION WITH ARCHITECTURAL DRAWINGS.

NEW CONDITION

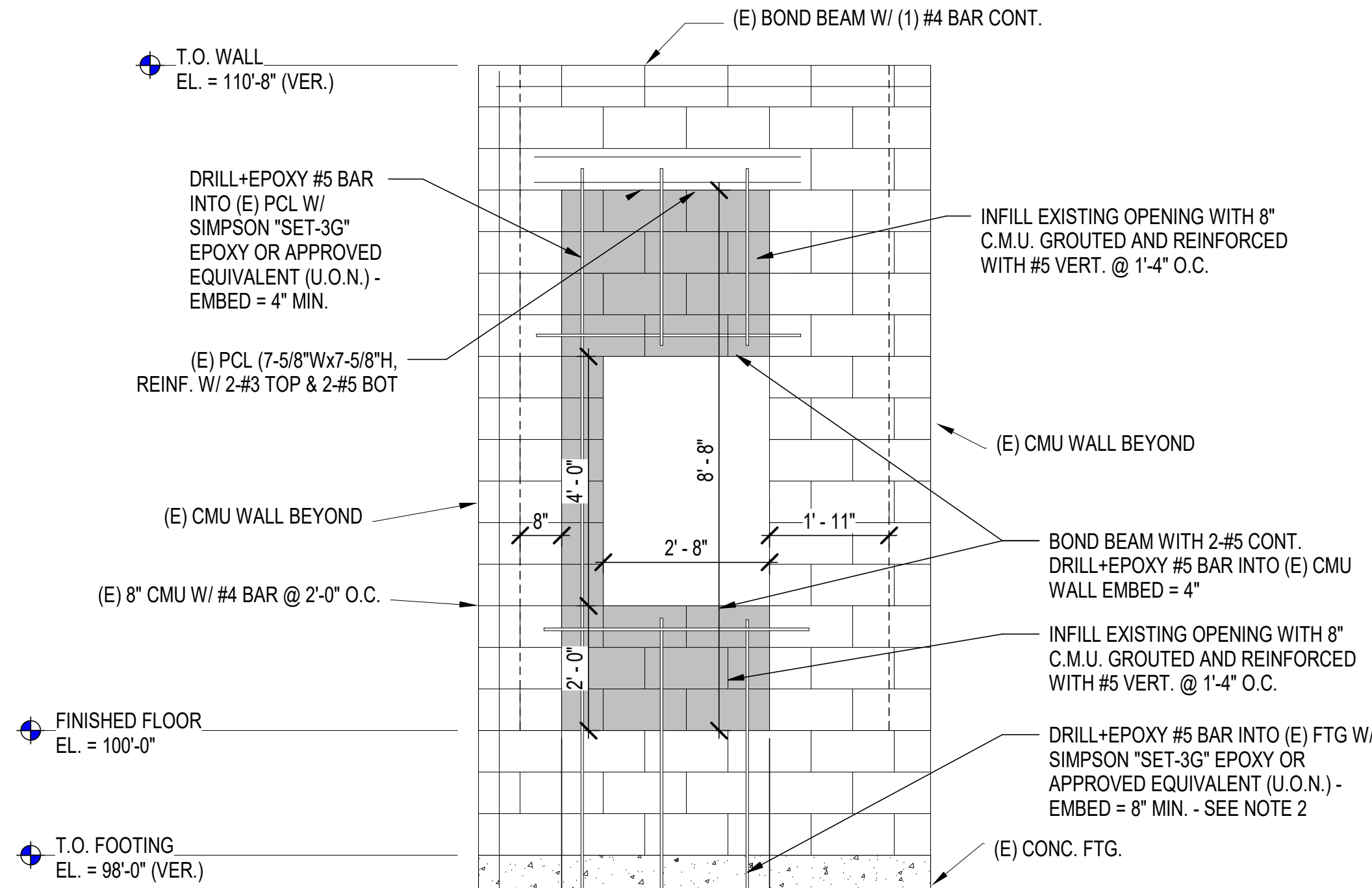


1 CMU INFILL & LINTEL @ (E) WALL DETAIL
3004-S-401 1/2" = 1'-0"



NOTE:
1. FIELD VERIFY ALL EXISTING CONDITIONS.

EXISTING CONDITION



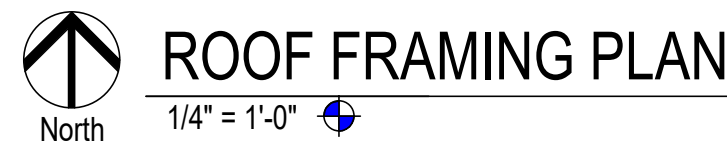
NOTE:
1. VERIFY ALL DIMENSIONS @ NEW CONDITION WITH ARCHITECTURAL DRAWINGS.
2. FIELD VERIFY IF THE EXISTING C.M.U. WALL IS GROUTED SOLID AT FINISHED FLOOR ELEVATION. IF THE EXISTING C.M.U. WALL IS GROUTED SOLID AT THIS ELEVATION, THEN DRILL+EPOXY #5 BAR INTO TOP OF (E) C.M.U. WALL W/ SIMPSON "SET-3G" EPOXY OR APPROVED EQUIVALENT (U.O.N.) - EMBED = 8" MIN.

NEW CONDITION

2 CMU INFILL (E) WALL DETAIL
3004-S-401 1/2" = 1'-0"

BASE BID
BID DOCUMENTS

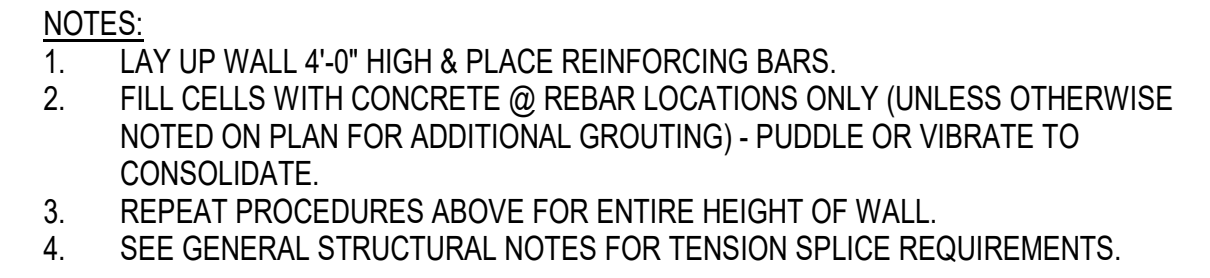
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		FIRE ALARM: IMEG 625 26TH AVENUE ROCK ISLAND, IL 61201 309.761.3770		LOW VOLTAGE/SECURITY: IMEG 625 26TH AVENUE ROCK ISLAND, IL 61201 309.761.3770		IRRIGATION: AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT #6 FORT COLLINS, CO 80525 970.372.6104		GEOTECHNICAL: TERRACON 6460 HILLER STREET SUITE 4 EL PASO, TX 79925 915.778.5233				Building Number 3004
		MATT SNYDER		PETE MCGHEE		JD LEONARD		IVAN AVELAR				Drawing Number 3004-S-401
		Revisions:		Date:								108 of 155



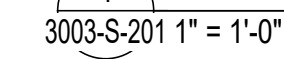
3003-S-201 1" = 1'-0"



3003-S-201 1" = 1'-0"



3003-S-201 1" = 1'-0"



- 1 INFILL WITH 8" CMU GROUTED AND REINFORCED WITH #4 VERTICAL BARS @ 2'-0" O.C. TO MATCH @ EA. EXISTING BAR & #4 HORIZONTAL BARS @ 2'-0" O.C. - REMOVE FACESHELL TO INSTALL REINFORCEMENT AND GROUT - S.D. 4/S3003-S-201
- 2 DRILL + EPOXY EACH #4 HORIZONTAL BAR INTO EXISTING 8" CMU WALL WITH SIMPSON "SET 3G" EPOXY OR APPROVED EQUIVALENT (U.O.N.) - EMBED = 8"

MARK	LINTEL	REINFORCEMENT	COMMENTS
L1	2 - L 5 x 5 x 5/16	-	S.D. 1/3003-S-201

1. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
2. SEE SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
3. L# = LINTEL MARK - SEE LINTEL SCHEDULE ON THIS SHEET.

BASE BID
BID DOCUMENTS

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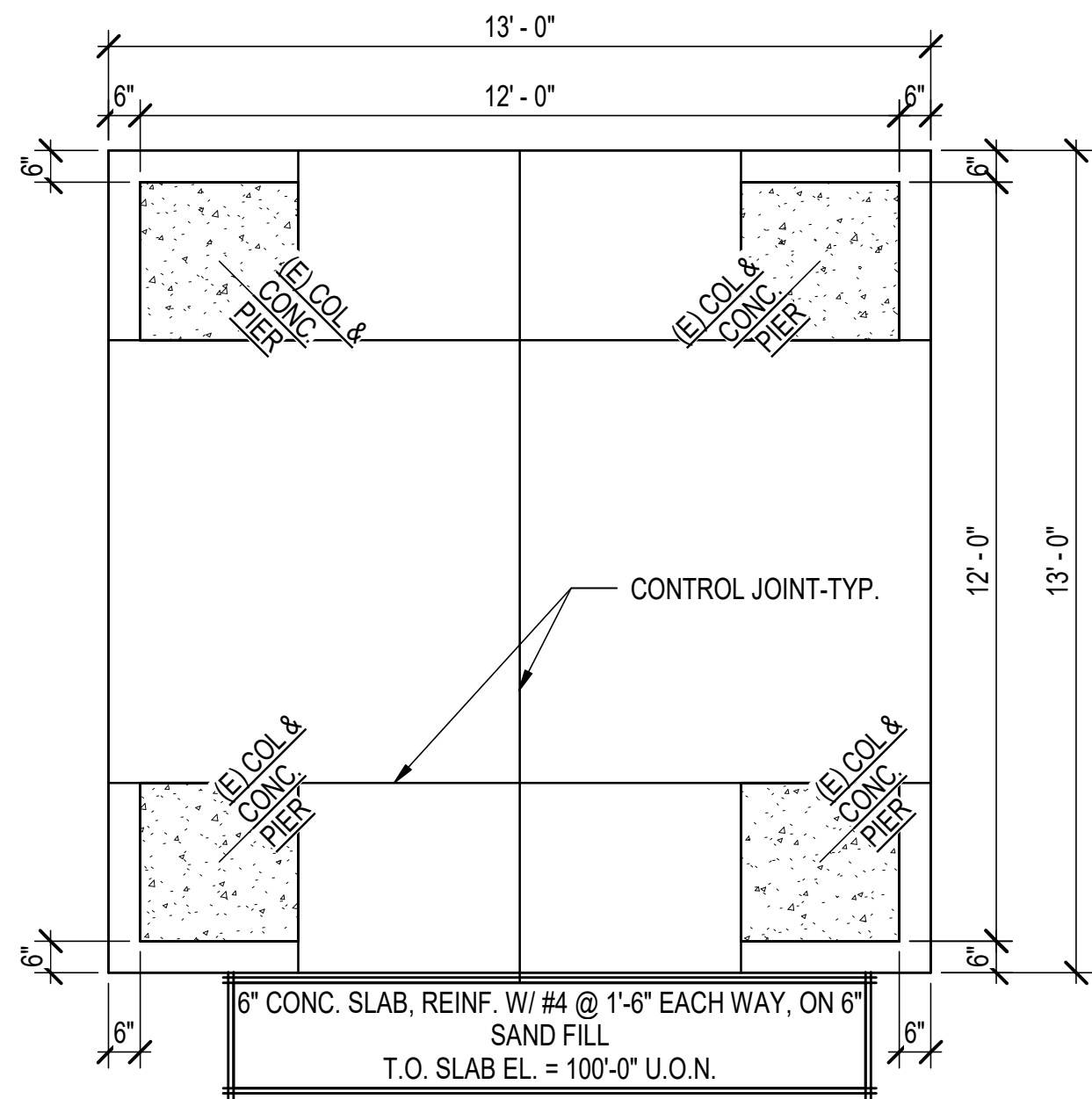
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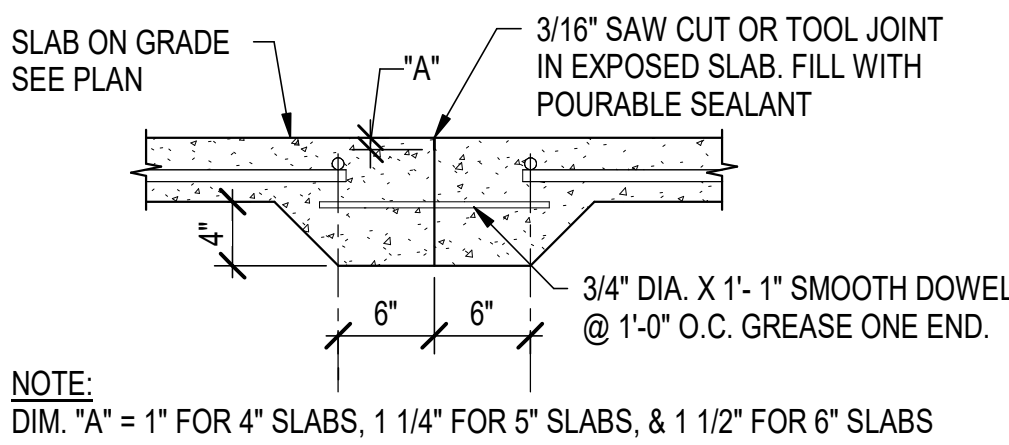
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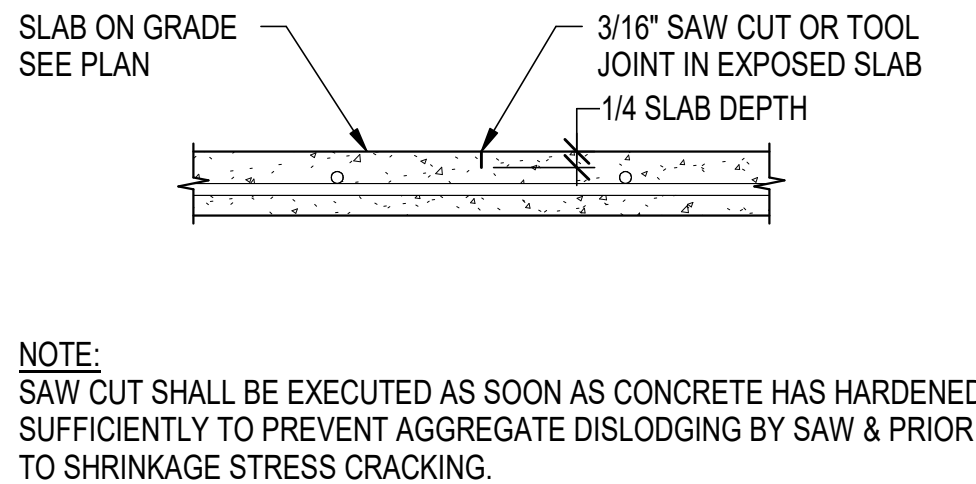
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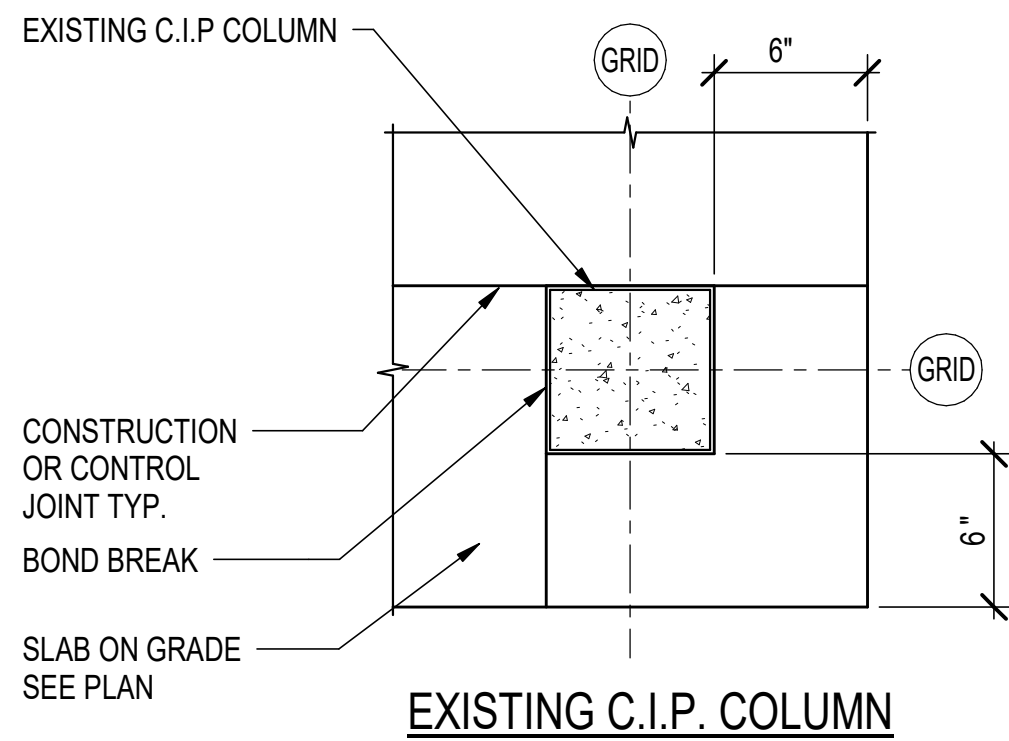
 **FOOTING & FOUNDATION PLAN**
3/8" = 1'-0"



1 FLOOR CONSTRUCTION JOINT DETAIL
3302-S-101 1/2" = 1'-0"



2 FLOOR CONTROL JOINT DETAIL
3302-S-101 1/2" = 1'-0"



3 COLUMN ISOLATION JOINT DETAIL
3302-S-101 1/2" = 1'-0"

SHEET NOTES:

1. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
2. SEE SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
3. THE COLOR OF THE NEW CONCRETE SLAB AT HONOR GUARD SHELTER SHALL MATCH EXISTING. REFER TO ARCHITECTURAL DRAWINGS AND 03 30 53 SPECIFICATION.

**BASE BID
BID DOCUMENTS**

		CONSULTANT				DESIGNER OF RECORD				STAMP		Office of Construction and Facilities Management		Drawing Title HONOR GUARD SHELTER - FOOTING & FOUNDATION PLAN		Phase BID DOCUMENTS		Project Title FT BLISS NATIONAL CEMETERY EXPANSION		Project Number 886CM3026	
		FIRE ALARM: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770				IRRIGATION: AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.8104				GEOTECHNICAL: TERRACON 6460 HILLER STREET SUITE 4 EL PASO, TX 79925 915.778.5233		U.S. Department of Veterans Affairs		Approved:				Location 5200 FRED WILSON AVENUE, EL PASO, TEXAS		Building Number 3302	
		MATT SNYDER				PETE MCGHEE				JD LEONARD		IVAN AVELAR						Issue Date JUNE 15, 2026		Checked EW	
																		Drawn DW		Drawing Number 3302-S-101 110 of 155	
		Revisions:																			
		Date:																			

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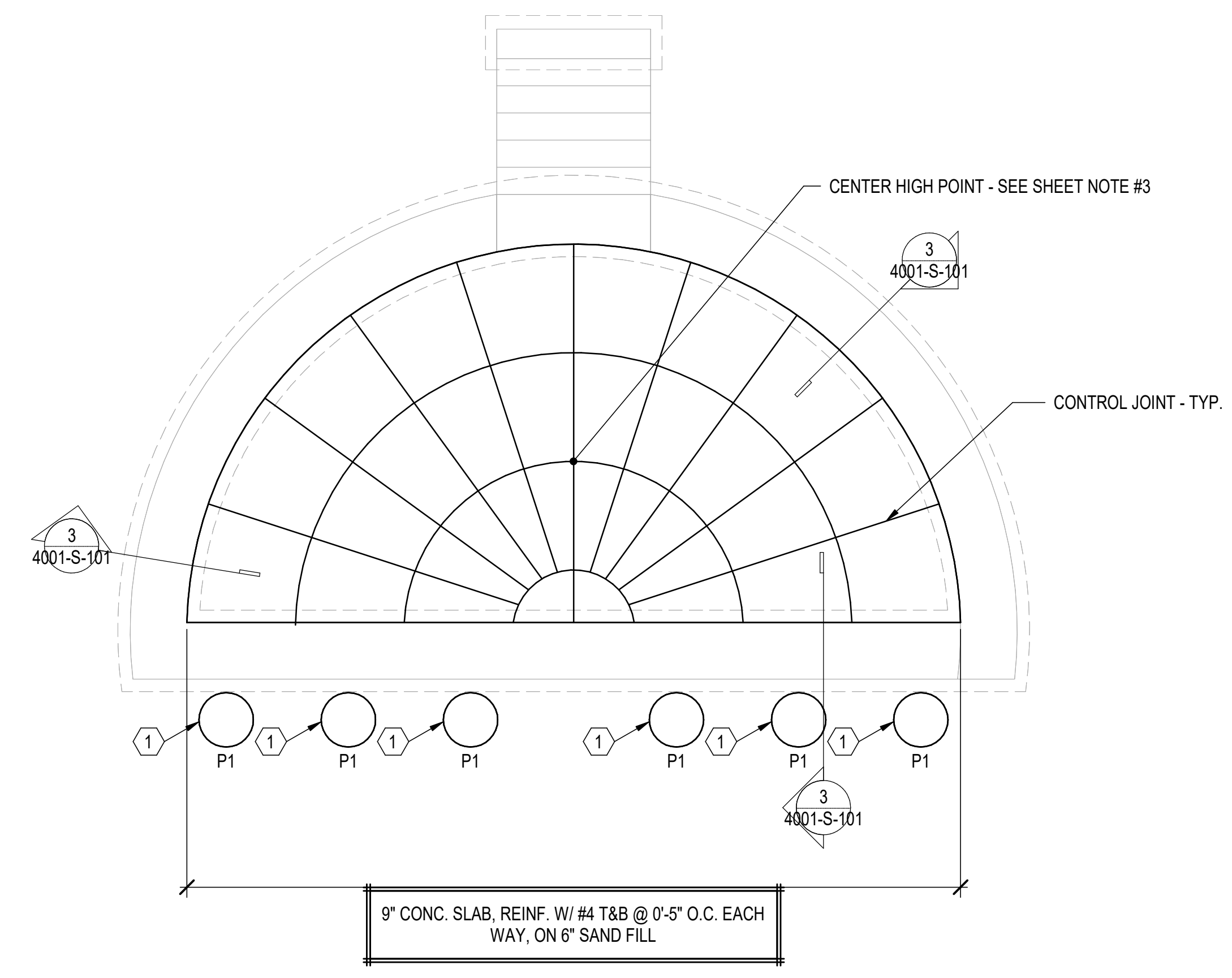
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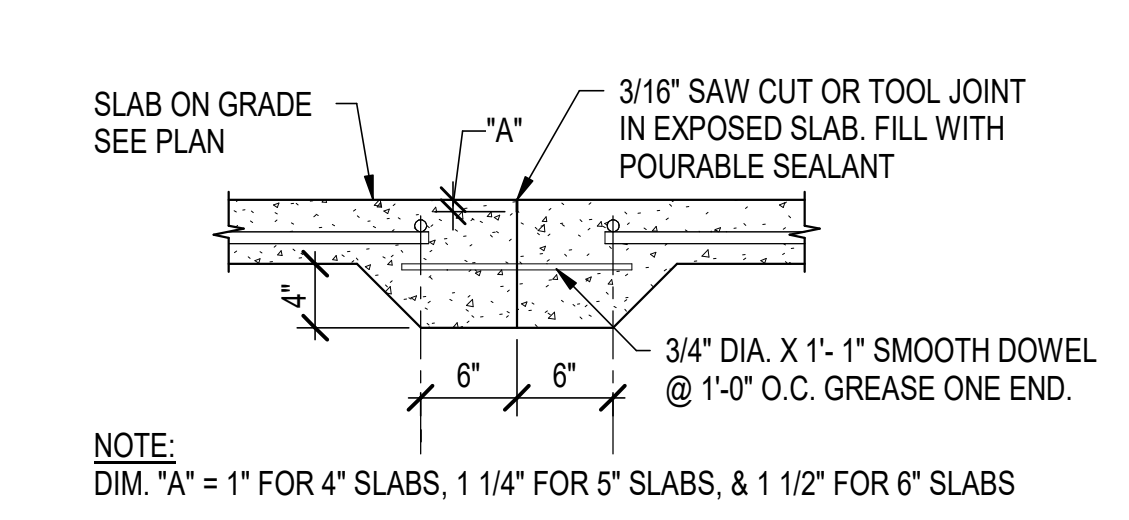
- SHEET NOTES:**
1. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 2. SEE SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
 3. NEW 9" CONCRETE SLAB SHALL SLOPE UNIFORMLY FROM CENTER HIGH POINT TO PERIMETER AT A RANGE OF 1/8"-1/4" PER FOOT TO PROVIDE POSITIVE DRAINAGE.
 4. THE COLOR OF THE NEW CONCRETE SLAB AT ROSTRUM SHALL MATCH EXISTING. REFER TO ARCHITECTURAL DRAWINGS AND 03 30 53 SPECIFICATION.
 5. EXISTING FOUNDATION WALL SHALL BE BRACED AT THE EXTERIOR FACE OF THE FOUNDATION WALL PRIOR TO DEMOLITION OF THE EXISTING SLAB-ON-GRADE TO MAINTAIN WALL STABILITY DURING CONSTRUCTION.

- KEYNOTES:**
- ① COORDINATE FINAL LOCATION OF MILITARY SEALS WITH 4101-AE111.

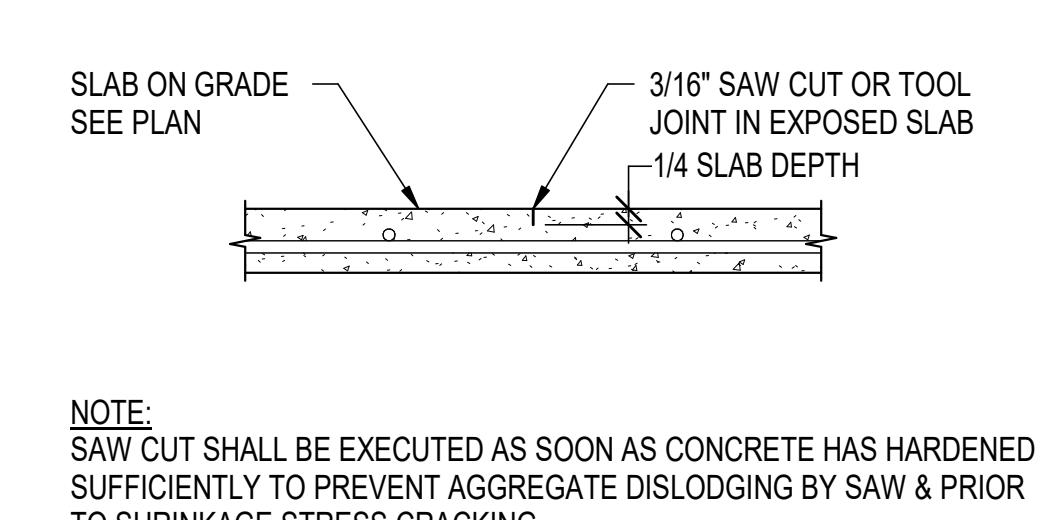
Schedule Notes - Pier		
MARK	PIER SIZE	COMMENTS
P1	1'-6" DIA.	S.D. 4/4001-S-101



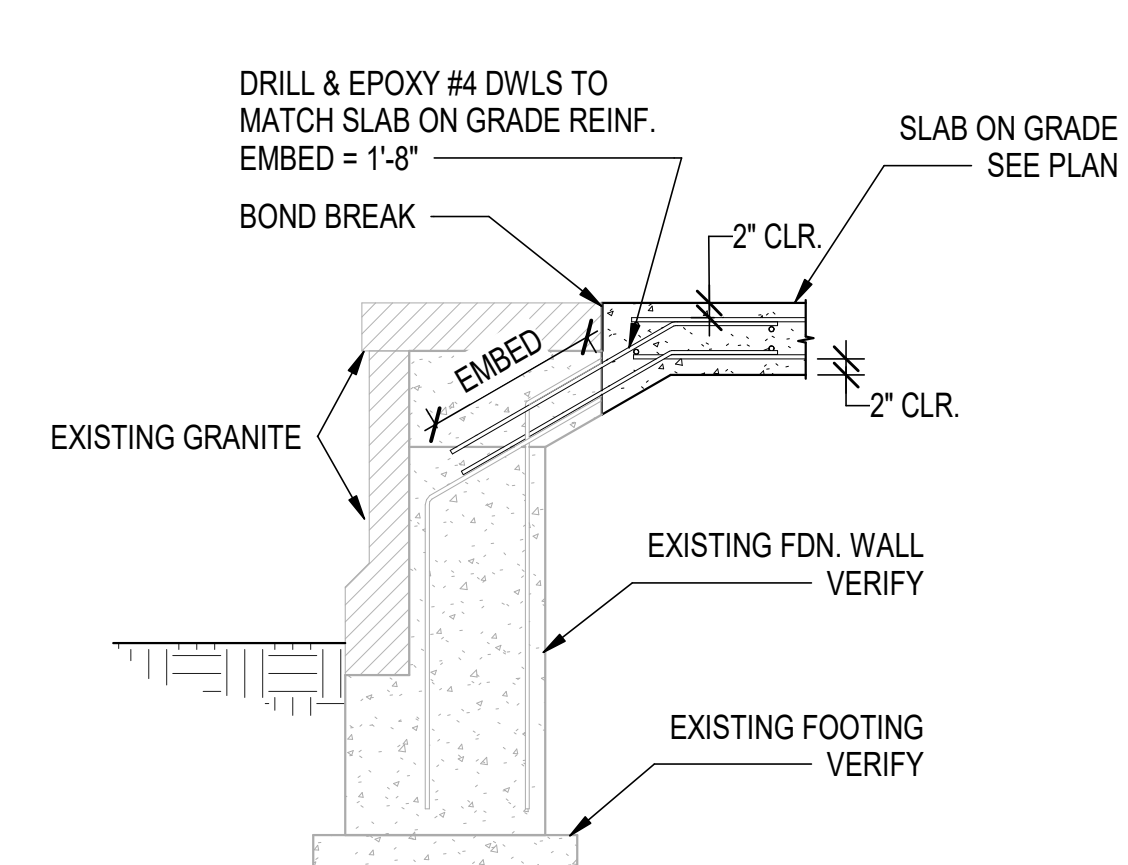
FOOTING & FOUNDATION PLAN
North 1/4" = 1'-0"



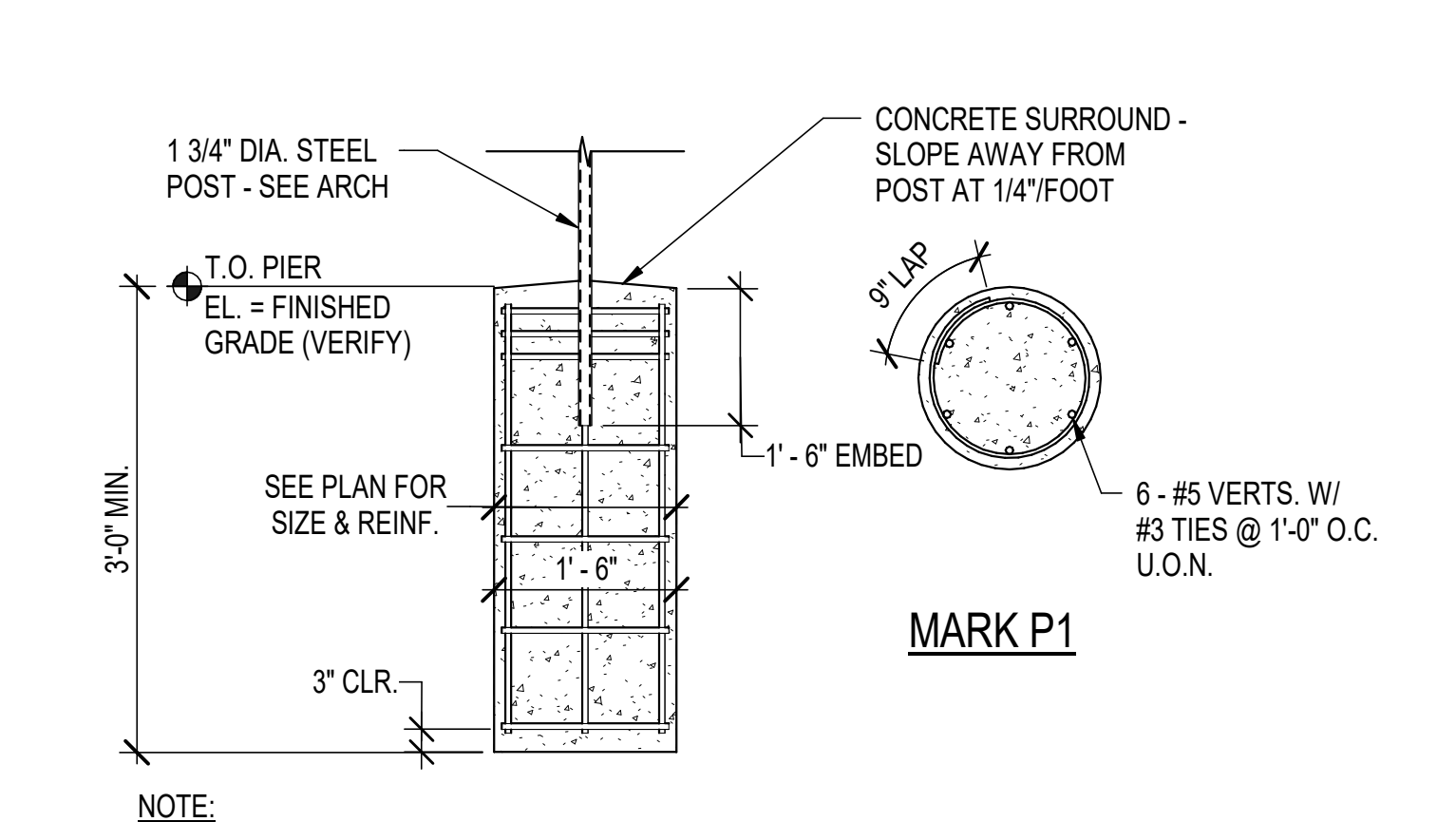
1 FLOOR CONSTRUCTION JOINT DETAIL
4001-S-101 1/2" = 1'-0"



2 FLOOR CONTROL JOINT DETAIL
4001-S-101 1/2" = 1'-0"

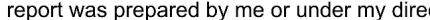


3 SLAB CONN. DETAIL
4001-S-101 1/2" = 1'-0"



4 MILITARY SEAL STEEL POST @ EXT. PIER DETAIL
4001-S-101 1/2" = 1'-0"

**BASE BID
BID DOCUMENTS**

		CONSULTANT		DESIGNER OF RECORD		STAMP	Office of Construction and Facilities Management VAU.S. Department of Veterans Affairs		Drawing Title ROSTRUM - FOOTING & FOUNDATION PLAN	Phase BID DOCUMENTS	Project Title FT BLISS NATIONAL CEMETERY EXPANSION	Project Number 886CM3026
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		MATT SNYDER	PETE MCGHEE	JO LEONARD	IVAN AVELAR						Drawing Number 4001-S-101 111 of 155	
Revisions:		Date:										

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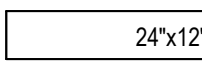
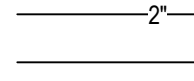
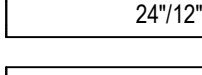
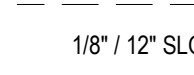
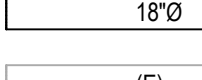
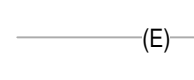
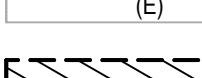
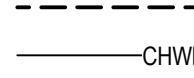
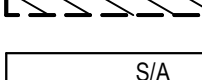
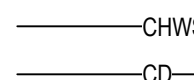
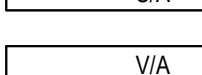
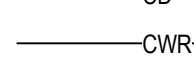
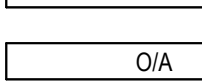
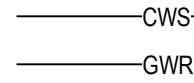
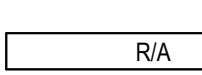
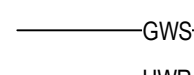
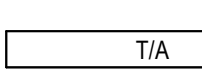
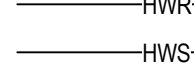
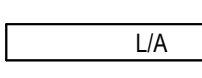
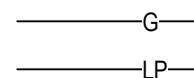
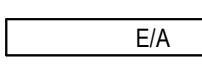
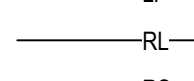
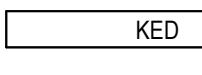
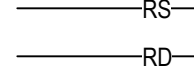
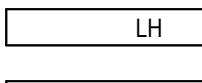
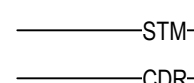
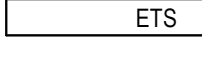
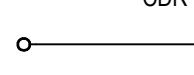
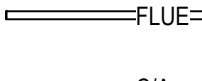
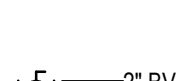
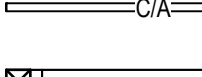
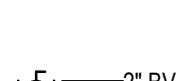
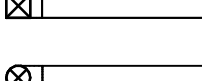
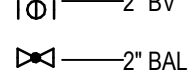
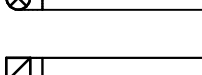
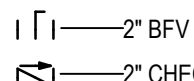
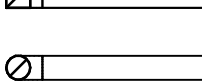
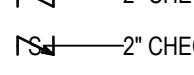
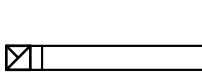
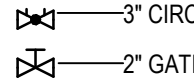
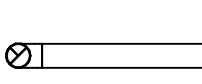
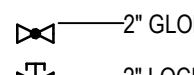
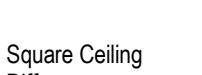
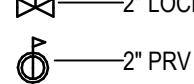
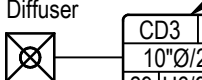
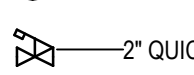
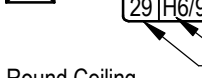
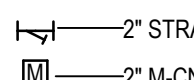
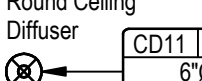
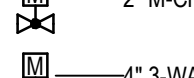
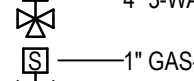
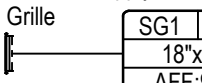
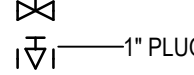
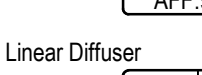
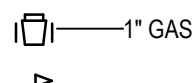
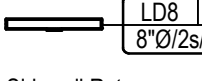
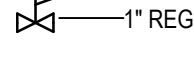
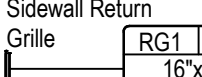
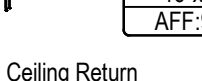
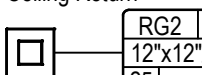
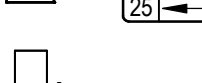
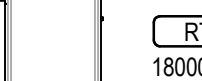
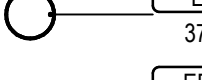
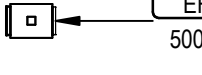
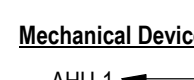
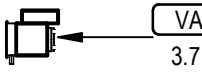
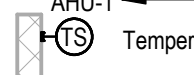
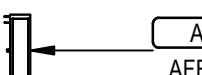
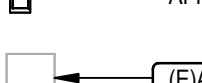
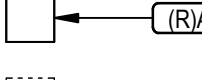
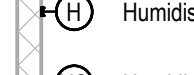
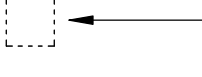
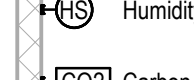
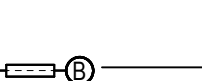
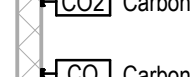
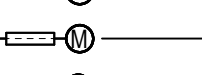
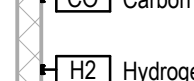
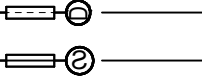
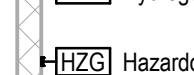
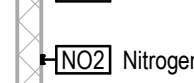
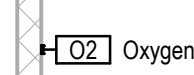
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General Plan Symbols		HVAC Symbols		Mechanical Piping Symbols	
	Plan Revision Number		Sq. Duct Size (Width x Height)		Nominal Pipe Size
	Detail Number on Sheet		Oval Duct Size (Width / Height)		Above Ground Piping
	Sheet Number Where Detail is Placed		Round Duct Size (Diameter)		Below Ground Piping
	Keynote Symbol		Duct To Be Demolished		Pipe Slope (When Applicable)
	Continuation Symbol		Existing Duct To Remain		Existing Pipe To Remain
	Point Where New Connects To Existing		Duct To Be Demolished		Pipe To Be Demolished
	Room Name / Number		Supply Air		Chilled-Water Return
	Room Name / Number		Ventilation Air		Chilled-Water Supply
	Room Name / Number		Outdoor Air		Condensate Drain
	Room Name / Number		Return Air		Condenser-Water Return
	Room Name / Number		Transfer Air		Condenser-Water Supply
	Room Name / Number		Building Relief Air		Geothermal-Water Return
	Room Name / Number		General Exhaust Air		Geothermal-Water Supply
	Room Name / Number		Kitchen Exhaust Duct		Hot-Water Return
	Room Name / Number		Laboratory Hood		Hot-Water Supply
	Room Name / Number		Env. Tobacco Smoke		Natural Gas
	Room Name / Number		Flue Gas Vent		Liquid Propane
	Room Name / Number		Combustion Air		Refrigerant Liquid
	Room Name / Number		Rect. Supply Duct Rise / Drop		Refrigerant Gas
	Room Name / Number		Round Supply Duct Rise / Drop		Refrigerant Discharge
	Room Name / Number		Rect. Return Duct Rise / Drop		Steam Supply
	Room Name / Number		Round Return Duct Rise / Drop		Steam Condensate Return
	Room Name / Number		Rect. Exhaust Duct Rise / Drop		Pipe Rise / Drop
	Room Name / Number		Round Exhaust Duct Rise / Drop		
	Room Name / Number		Square Ceiling Diffuser		
	Room Name / Number		Round Ceiling Diffuser		
	Room Name / Number		Grille, Register, Diffusers		
	Room Name / Number		Side Wall Supply		
	Room Name / Number		Grille		
	Room Name / Number		Linear Diffuser		
	Room Name / Number		Side Wall Return		
	Room Name / Number		Grille		
	Room Name / Number		Ceiling Return		
	Room Name / Number		Mechanical Equipment		
	Room Name / Number		RTU-1		
	Room Name / Number		10.0 ton		
	Room Name / Number		RTU-1		
	Room Name / Number		18000 Btu/h		
	Room Name / Number		180 CFH		
	Room Name / Number		ET-1		
	Room Name / Number		379 lb.		
	Room Name / Number		EF-XX		
	Room Name / Number		500 CFM		
	Room Name / Number		VAV 1.2		
	Room Name / Number		3.7 GPM		
	Room Name / Number		AFF 7'-0"		
	Room Name / Number		Existing To Remain Equipment		
	Room Name / Number		Existing Relocated Equipment		
	Room Name / Number		Equipment By Others (Refer To Other Disciplines)		
	Room Name / Number		Damper Types		
	Room Name / Number		Manual Damper		
	Room Name / Number		Motorized Damper		
	Room Name / Number		Backdraft Damper		
	Room Name / Number		Smoke Damper		
	Room Name / Number		Fire Damper		
	Room Name / Number		Comb. Fire/Smoke Damper		
	Room Name / Number				
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General Plan Symbols		Plumbing Symbols	
	Plan Revision Number		Nominal Pipe Size
	Detail Number on Sheet		Above Ground Piping
	Sheet Number Where Detail is Placed		Below Ground Piping
	Keynote Symbol		Pipe Slope (When Applicable)
	Continuation Symbol		Existing Pipe To Remain
	Point Where New Connects To Existing		Pipe To Be Demolished
	Room Name / Number		Domestic Cold-Water
	Room Name / Number		Non-Potable Water
	Room Name / Number		Soft Cold-Water
	Room Name / Number		Filtered Cold-Water
	Room Name / Number		Reverse Osmosis Water
	Room Name / Number		Domestic Hot-Water
	Room Name / Number		Domestic Hot-Water 140°
	Room Name / Number		Hot-Water Recirculation
	Room Name / Number		Hot-Water Recirculation 140°
	Room Name / Number		Sanitary Drain
	Room Name / Number		Sanitary Vent
	Room Name / Number		Sanitary Wet Vent
	Room Name / Number		Combination DWV
	Room Name / Number		Condensate Drain
	Room Name / Number		Indirect Drain
	Room Name / Number		Grease Waste
	Room Name / Number		Grease Vent
	Room Name / Number		Oil Waste
	Room Name / Number		Oil Vent
	Room Name / Number		Pump Discharge
	Room Name / Number		Solar Water Return
	Room Name / Number		Solar Water Supply
	Room Name / Number		Storm Drain
	Room Name / Number		Storm Overflow
	Room Name / Number		Compressed Air
	Room Name / Number		Natural Gas
	Room Name / Number		Liquid Propane
	Room Name / Number		Pipe Rise / Drop
	Room Name / Number		Pipe Accessory Notes
	Room Name / Number		Cleanout
	Room Name / Number		Swing Check
	Room Name / Number		Check Valve
	Room Name / Number		Alternate Check Valve
	Room Name / Number		Balancing Valve
	Room Name / Number		Circuit Setter
	Room Name / Number		Gate Valve
	Room Name / Number		Quick Opening Valve
	Room Name / Number		Ball Valve
	Room Name / Number		Fluid Strainer
	Room Name / Number		Emergency Gas Shutoff
	Room Name / Number		Plug Valve
	Room Name / Number		Gas Shutoff Cock
	Room Name / Number		Gas Regulator
	Room Name / Number		Thermostatic Valve
	Room Name / Number		Trap Primer
	Room Name / Number		Electric Control Valve
	Room Name / Number		Mixing Valve
	Room Name / Number		Emergency Mixer
	Room Name / Number		Pressure Reducing Valve
	Room Name / Number		Water Meter
	Room Name / Number		Irrigation Meter
	Room Name / Number		Double Check Valve
	Room Name / Number		Reduced Pressure Zone
	Room Name / Number		Plumbing Fixture Notes
	Room Name / Number		Design Size
	Room Name / Number		Identify Type
	Room Name / Number		Drainage Fixture Units
	Room Name / Number		Floor Drain w/ Deep Seal Trap
	Room Name / Number		Floor Drain w/ Trap Primer
	Room Name / Number		"P" Indicates Primer Connection
	Room Name / Number		Floor Drain w/ Integral Cleanout
	Room Name / Number		Area Drain (No Trap)
	Room Name / Number		Deck Drain
	Room Name / Number		Hub Drain (Funnel Type)
	Room Name / Number		Floor Sink
	Room Name / Number		Roof Drain
	Room Name / Number		Combination Drain
	Room Name / Number		Rainfall Surface Area

Abbreviations	
Ø ROUND	LVR LOUVER
ABV ABOVE	LWT LEAVING WATER TEMPERATURE
AC AIR CONDITIONING	MA MIXED AIR
AD AREA DRAIN	MAX MAXIMUM
ADD ADDENDUM	MBH ONE THOUSAND BTU PER HOUR
ADF ABOVE FINISHED FLOOR	MCF ONE THOUSAND CUBIC FEET
AFUE ANNUAL FUEL UTILIZATION EFFICIENCY	MOT MOTORIZED DAMPER
ALT ALTERNATE	MECH MECHANICAL
AP ACCESS PANEL	MFR MANUFACTURER
ARCH ARCHITECT/ARCHITECTURAL	MIN MINIMUM
BFF BELOW FINISHED FLOOR	MISC MISCELLANEOUS
BLW BELOW	MTR MOTOR
BTU BRITISH THERMAL UNITS	MUA MAKE/UPAIR
BTUH BRITISH THERMAL UNITS PER HOUR	NC NOISE CRITERIA
CAP CAPACITY	NC NORMALLY CLOSED
CB CATCH BASIN	NIC NOT IN CONTRACT
CFM CUBIC FEET PER MINUTE	NO NUMBER
CLG CEILING	NO NORMALLY OPEN
CO CLEAN OUT	NTS NOT TO SCALE
CW COLD WATER	O OXYGEN
D DEGREE	O/A OUTSIDE AIR
DB DRY BULB	ORD OVERFLOW ROOF DRAIN
DN DIAMETER	PD PRESSURE DROP
DOWN DOWN	PIV POST INDICATOR VALVE
DW DISTILLED WATER	PLBG PLUMBING
EA EACH	PRESS PRESSURE
EAT ENTERING AIR TEMPERATURE	PRV PRESSURE REDUCING VALVE
ELEC ELECTRICAL	PSI POUNDS PER SQUARE INCH
EQUIP EQUIPMENT	PSIG POUNDS PER SQUARE INCH GAUGE
EWEC ELECTRIC WATER COOLER	PWR POWER
EWTR ENTERING WATER TEMPERATURE	R DUCT RISER
EIA EXHAUST AIR	R/A RETURN AIR
EXIST EXISTING	RCP RADIANT CEILING PANEL
DEGREES FAHRENHEIT	ROOF ROOF DRAIN
FDC FLOOR CLEAN OUT	RECESSED
FD FLOOR DRAIN	REDUCER
FDC FIRE DEPARTMENT CONNECTION	RH RELATIVE HUMIDITY
FL FLOOR	R/LA RELIEF AIR
FOV FUEL OIL VENT	ROOM ROOM
FOR FUEL OIL RETURN	RPM REVOLUTIONS PER MINUTE
FOS FUEL OIL SUPPLY	RAIN RAIN WATER
FPM FEET PER MINUTE	SF SQUARE FOOT
FS FLOOR SINK	SIA SUPPLY AIR
FT FOOTFEET	SAN SANITARY
FIN FIN TUBE RADIATION	SF SQUARE FOOT
GAL GALLON	SD SMOKE DAMPER
GC GAS-FIRED	SM SURFACE MOUNT
GCW GENERAL CONTRACTOR	STANDPIPE
GPM GALLONS PER MINUTE	SP STATIC PRESSURE
GREASE GREASE WASTE	STM STEAM
HOSE HOSE BIB	T THERMOSTAT
HP HORSE POWER	TEMPERATURE DROP
HTG HEATING	TDR TRENCH DRAIN
HTR HEATER	TEMP TEMPERATURE
UG UNDERGROUND	TYP TYPICAL
HYD HYDRANT	VAC UNDERGROUND
ID INDIRECT	V VENT
IN INCH	VAV VARIABLE AIR VOLUME
INV INVERT	VENT VENTILATION
LB POUND	VTR VENT THROUGH ROOF
LBHR POUNDS PER HOUR	W WASTE
LEAVING LEAVING AIR TEMPERATURE	WB WET BULB
LP LOW PRESSURE	WCO WALL CLEAN OUT
LPG LIQUEFIED PETROLEUM GAS	WH WALL HYDRANT

Equipment Abbreviations	
AC AIR CONDITIONING UNIT	ET EXPANSION TANK
ACCU AIR COOLING CONDENSING UNIT	EWH ELECTRIC WATER HEATER
AHU AIR HANDLING UNIT	FCU FAN COIL UNIT
AS AIR SEPARATOR	FP FIRE PUMP
B BOILER	GI GREASE INTERCEPTOR
CH CHILLER	GRV GRAVITY ROOF VENTILATOR
CT COOLING TOWER	HWP HEATING WATER PUMP
CUH CABINET UNIT HEATER	HRR HEAT RECOVERY UNIT
CHWP CHILLED WATER PUMP	HRU HEAT RECOVERY UNIT
DBP DOMESTIC WATER BOOSTER PUMP	RE RETURN/EXHAUST FAN
DC DUCT MOUNTED COIL	RTU ROOF TOP UNIT
DCP DOMESTIC WATER CIRCULATING PUMP	SP SUMP PUMP
EDC EXHAUST FAN	UH UNIT HEATER
EDC ELECTRIC DUCT COIL	WH WATER HEATER

NOTE

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

MECHANICAL GENERAL NOTES

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFF-SETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- CONTRACTORS SHALL REFER TO ARCHITECTURAL SPECIFICATIONS AND DRAWINGS FOR DIMENSIONS AS WELL AS SPECIFICATIONS AND DRAWINGS OF OTHER DISCIPLINES AND FOR GENERAL INFORMATION NECESSARY TO COMPLETE THE WORK.
- COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
- ALL MATERIALS, EQUIPMENT AND METHOD OF INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, THE REGULATIONS, CODES, ORDINANCES AND LAWS OF LOCAL, STATE AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
- SEAL ALL FLOOR, WALL, AND ROOF PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
- CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
- WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
- DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
- MAINTAIN MINIMUM 3'-6" CLEARANCE IN FRONT OF ALL ELECTRICAL PANELS, MOTOR STARTERS, SWITCHES, AND DISCONNECTS. THE MECHANICAL AND PLUMBING CONTRACTORS SHALL MAINTAIN ALL WORKING CLEARANCES PER CODE FOR THE ELECTRICAL EQUIPMENT. NO PIPING (OR DUCTWORK) SHALL BE ROUTED OVER, UNDER OR ADJACENT TO ELECTRICAL EQUIPMENT. COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN. ANY CONFLICTS WILL RESULT IN THE PIPING (AND DUCTWORK) BEING RELOCATED AT THE CONTRACTOR'S EXPENSE.
- PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
- DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

PLUMBING GENERAL NOTES

- THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
- CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.
- CONTRACTOR SHALL VERIFY THAT FIXTURES SUPPLIED ARE APPROVED PER ALL APPLICABLE STATE, LOCAL AND GOVERNING AUTHORITIES.
- ALL FIXTURES SHALL CONFORM TO FEDERAL ACT 5.3874.
- INVERT ELEVATIONS ARE FROM EXISTING DRAWINGS AND MAY NOT BE ACCURATE. VERIFY ALL ELEVATIONS BEFORE BEGINNING WORK.
- VERIFY UNDERGROUND PIPE SIZES, INVERT ELEVATIONS, AND LOCATIONS PRIOR TO BEGINNING ANY WORK.
- REFER TO THE PLUMBING ROUGH-IN SCHEDULE FOR THE SIZES OF BRANCH PIPES TO PLUMBING FIXTURES.
- FOR CLARITY, NOT ALL VALVES HAVE BEEN SHOWN. PROVIDE SHUTOFF VALVES IN DOMESTIC WATER PIPING SERVING EACH ROOM WITH FIXTURES. ANGLE STOPS SHALL NOT BE CONSIDERED SHUTOFF VALVES.
- EXISTING CONDITIONS ON DEMOLITION PLANS ARE PROVIDED TO INDICATE THE GENERAL SCOPE OF ITEMS TO BE REMOVED. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL DEMOLITION INFORMATION.
- P.C. SHALL CUT AND PATCH EXISTING AS REQUIRED FOR NEW OR DEMOLITION WORK UNLESS NOTED OTHERWISE. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL INFORMATION.

SEISMIC MECHANICAL GENERAL NOTES

- A COPY OF "SEISMIC RESTRAINT MANUAL: GUIDELINES FOR MECHANICAL SYSTEMS" BY SMACNA, ANSISMACNA 001-2008 SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB SITE AT ALL TIMES.
- ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTION 1616.1.18 THROUGH 1616.1.26 AND ASCE 7-10 CHAPTERS 13, 29, AND 30.
- PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, AND 2019 CBC SECTION 1616.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

Mechanical Sheet Index

M001	MECHANICAL SYMBOLS, ABBREVIATIONS, GENERAL NOTES
3003-MH111	MECHANICAL HVAC - FIRST LEVEL
3003-MH201	MECHANICAL ROOF PLAN
M501	MECHANICAL DETAILS
M601	MECHANICAL SCHEDULES

Plumbing Sheet Index

2101-PD111	PLUMBING DEMOLITION - FIRST LEVEL
2101-P401	PLUMBING ENLARGED PLANS
3003-P401	EXISTING PLUMBING
3004-P401	EXISTING PLUMBING
3004-P402	PLUMBING ENLARGED PLANS
P501	PLUMBING DETAILS

MECHANICAL DEMOLITION KEYED NOTES

- DEMOL AND SALVAGE DRINKING FOUNTAIN
- DEMOL AND CAP OFF SINK
- DEMOL SWAMP COOLER AND WATER SUPPLY LINE
- DEMOL DRINKING FOUNTAIN

MECHANICAL PLAN KEYED NOTES

- INSTALL NEW SINK
- INSTALL MINI-SPLIT
- INSTALL NEW SWAMP COOLER AND WATER SUPPLY LINE
- INSTALL NEW LOUVERS
- INSTALL SALVAGED DRINKING FOUNTAIN FROM ADMIN BUILDING

BASE BID BID DOCUMENTS

Title Sheet Revision	Date:
Revisions:	

CONSULTANT	DESIGNER OF RECORD
FIRE ALARM: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770	LOW VOLTAGE/SECURITY: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770
IRRIGATION: AQUA ENGINEERING 300 BOARDWALK DRIVE FORT COLLINS, CO 80525 970.372.6104	GEOTECHNICAL: TERRACON 6460 HILLER STREET SUITE A EL PASO, TX 79925 915.778.5233
MATT SNYDER	PETE MCGHEE
JD LEONARD	IVAN AVELAR

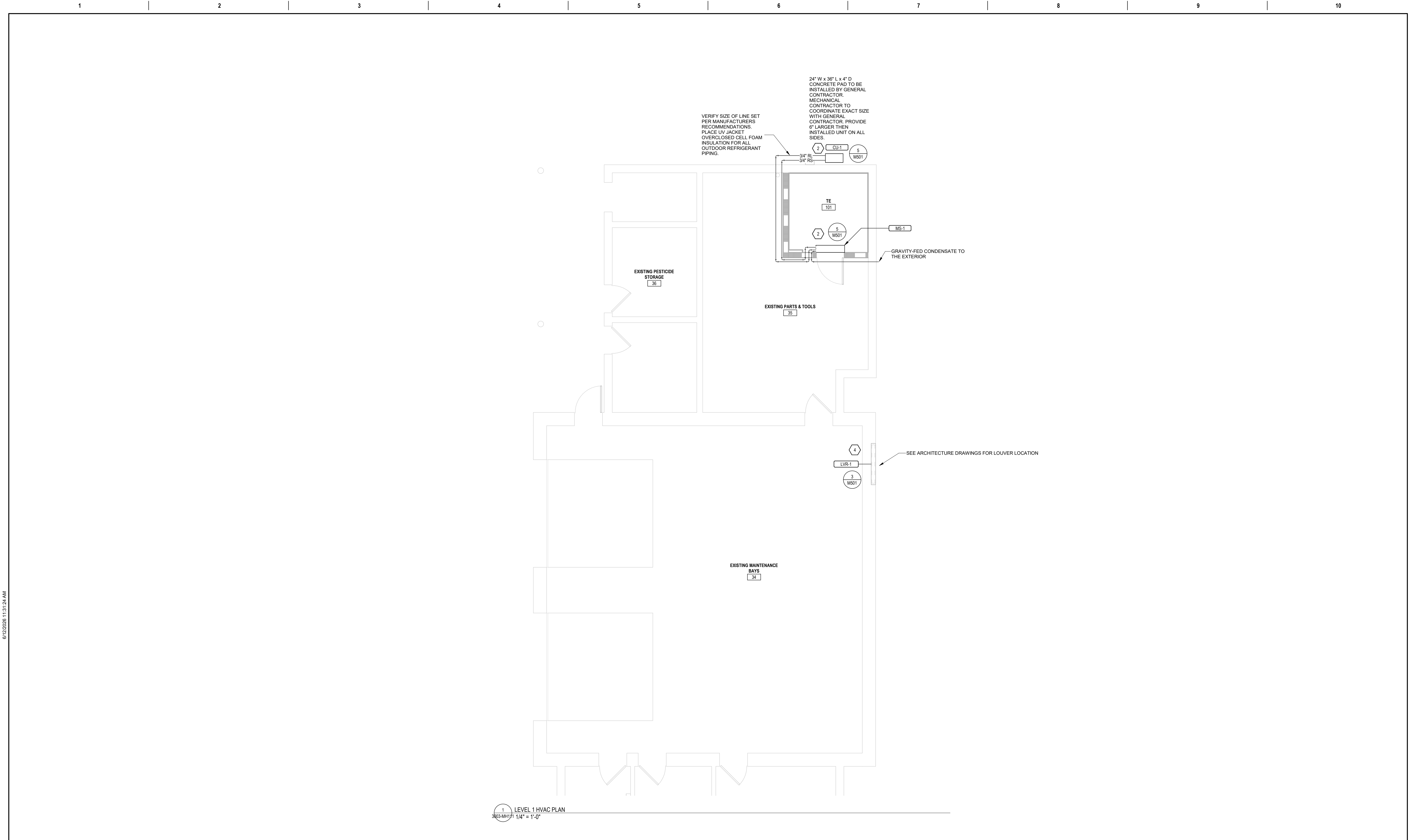
STAMP
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: Kirby J Quammen
Signature: <i>Kirby J Quammen</i>
Date: 06/15/2026 License #: 52555

Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

Drawing Title	Phase
MECHANICAL SYMBOLS, ABBREVIATIONS, GENERAL NOTES	BID DOCUMENTS
Approved:	NOT SPRINKLERED

Project Title	Location
FT BLISS NATIONAL CEMETERY EXPANSION	5200 FRED WILSON AVENUE, EL PASO, TEXAS
Issue Date	Checked
JUNE 15, 2026	KQ
Drawn	JT

Project Number	Drawing Number
886CM3026	M001
Building Number	112 of 155



NOTES:
1. SEE M001 FOR KEYNOTE DESCRIPTION

		CONSULTANT				DESIGNER OF RECORD				STAMP		Office of Construction and Facilities Management		Drawing Title MECHANICAL HVAC - FIRST LEVEL		Phase BID DOCUMENTS		Project Title FT BLISS NATIONAL CEMETERY EXPANSION		Project Number 886CM3026			
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		MATT SNYDER		PETE MCGHEE		JD LEONARD		IVAN AVELAR		Print Name: <u>Kirby J Quamen</u> Signature: <u><i>Kirby Quamen</i></u> Date: <u>06/15/2026</u> License #: <u>52555</u>								Drawing Number 3003-MH111					
																		Issue Date JUNE 15, 2026		Checked KQ			
		Revisions:		Date:																Drawn JT			
																				113 of 155			

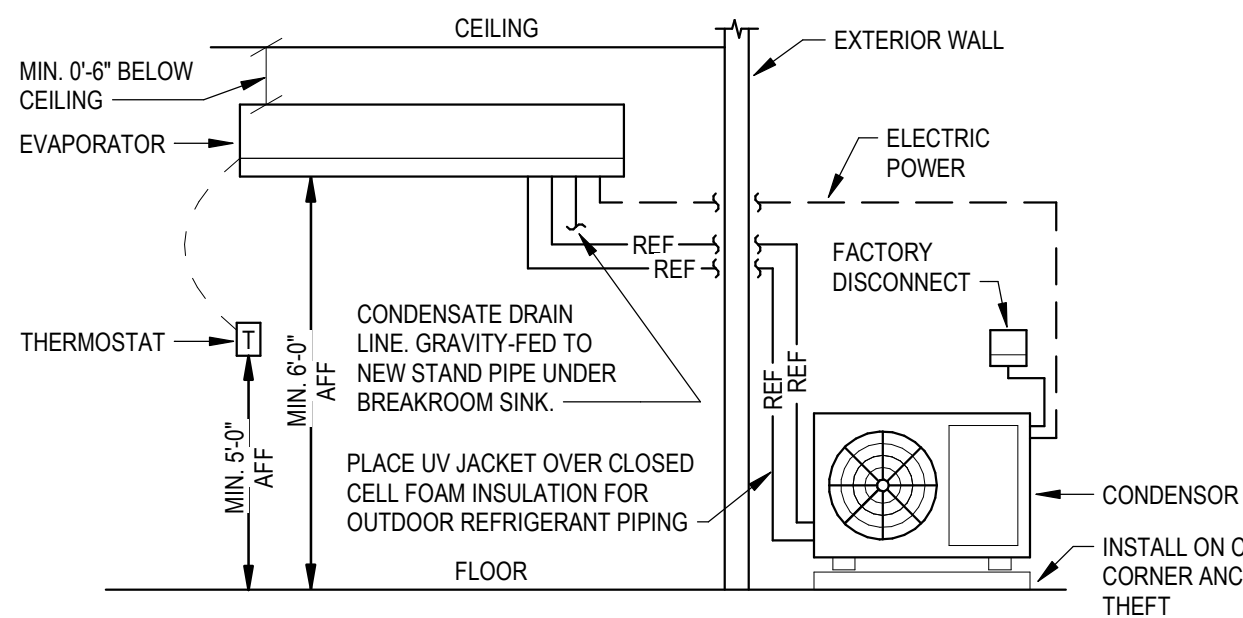
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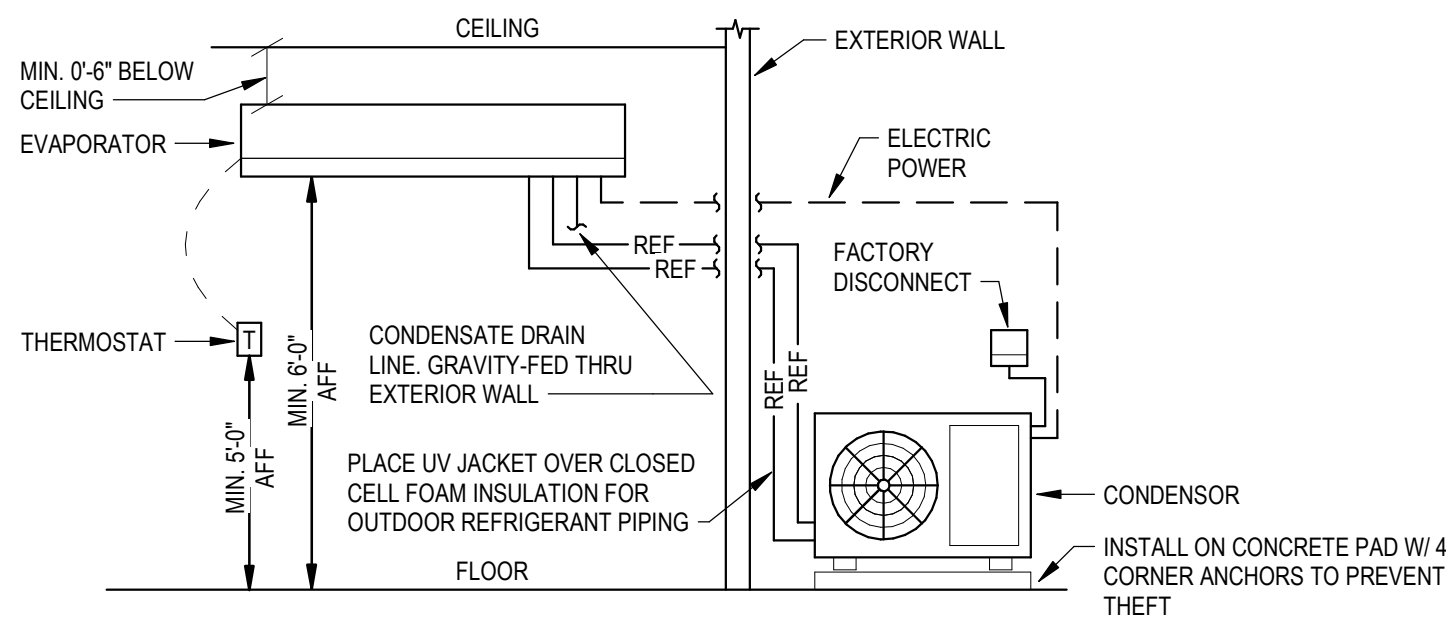
2 ROOF MECHANICAL PLAN
3003-M204 3/16" = 1'-0"

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BID DOCUMENTS

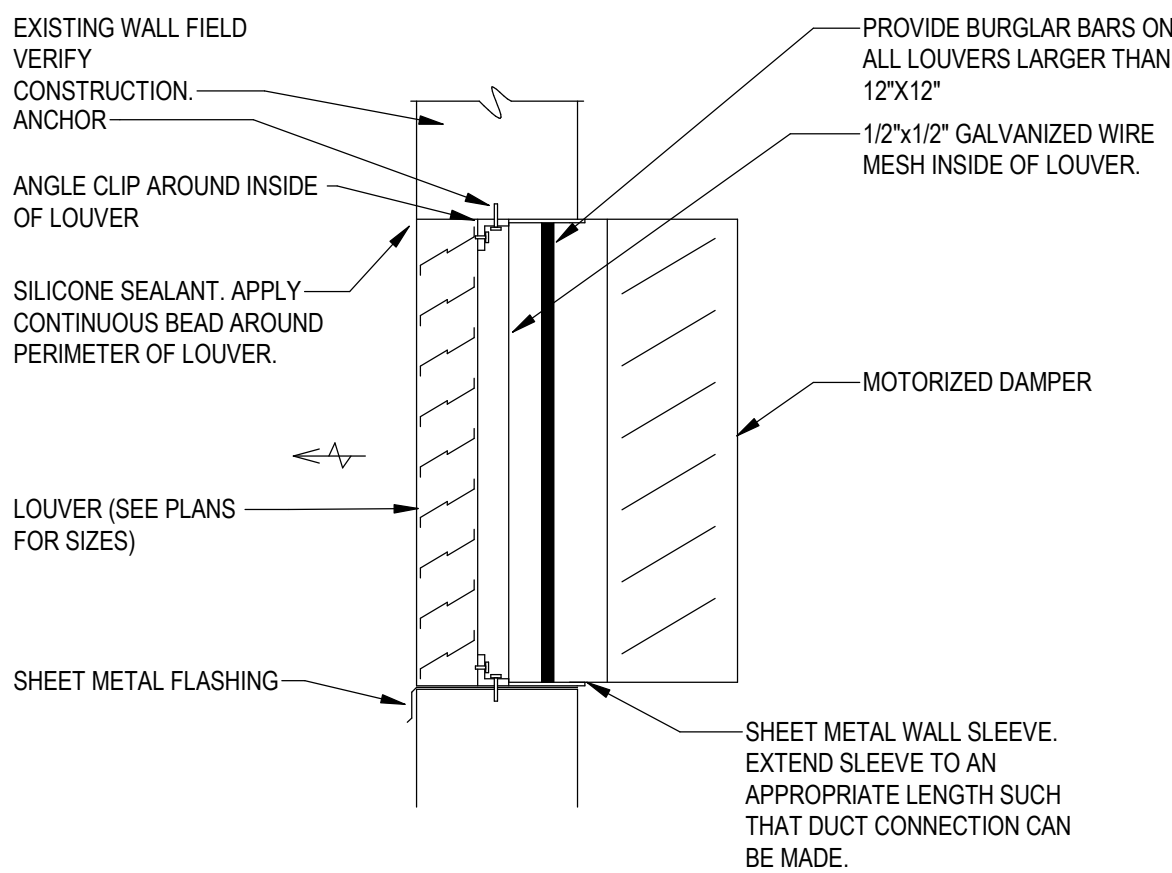
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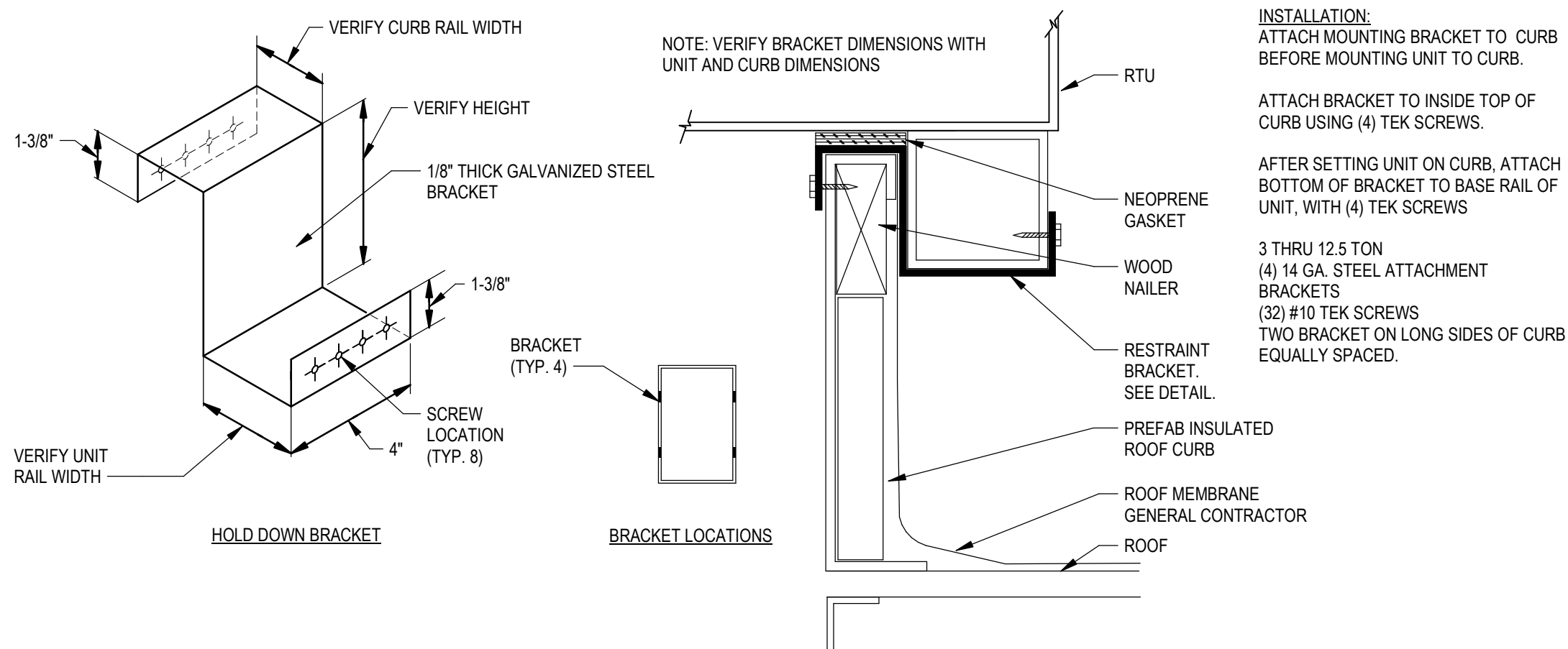
1 MINI-SPLIT SYSTEM DETAIL ADMIN BLDG
M501 NOT TO SCALE



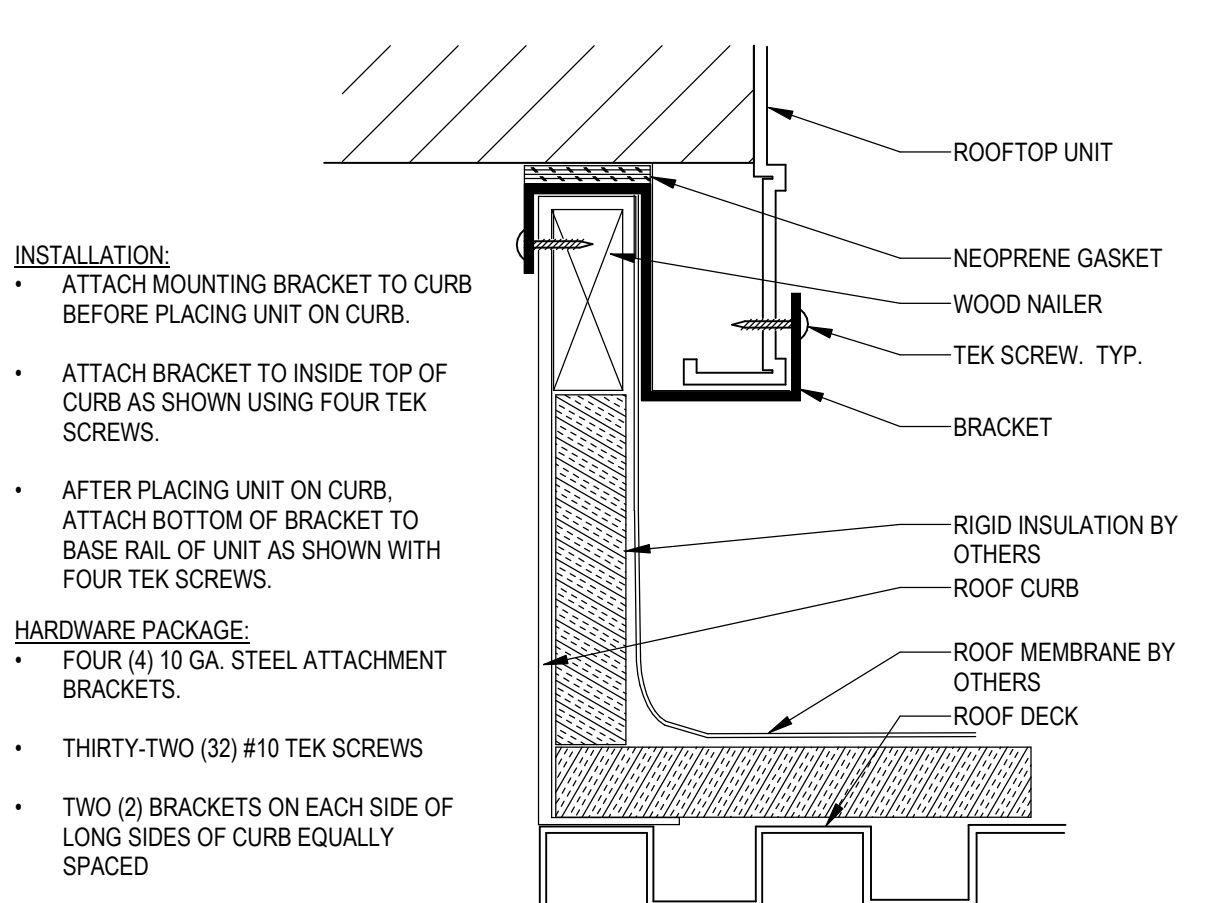
5 MINI-SPLIT SYSTEM DETAIL MAINTENANCE BLDG
M501 12" = 1'-0"



2 LOUVER ASSEMBLY DETAIL
M501 NOT TO SCALE



3 UNIT HOLD DOWN DETAIL
M501 1/8" = 1'-0"



4 RTU HOLD-DOWN BRACKET INSTALLATION DETAIL
M501 1/8" = 1'-0"

Revisions:	Date:

CONSULTANT			
FIRE ALARM:	LOW VOLTAGE/SECURITY:	IRRIGATION:	GEOTECHNICAL:
IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770	IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770	AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.8104	TERRACON 6460 HILLER STREET SUITE 4 EL PASO, TX 79925 915.778.5233
MATT SNYDER	PETE MCGHEE	JD LEONARD	IVAN AVELAR

DESIGNER OF RECORD
ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 18528

STAMP
I hereby certify that this plan, specification, or report 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 Minnesota.
Print Name: Kirby J Quamen
Signature: <i>Kirby J Quamen</i>
Date: 06/15/2026 License #: 52555

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
MECHANICAL DETAILS
Approved:

Phase
BID DOCUMENTS
NOT SPRINKLERED

Project Title		
FT BLISS NATIONAL CEMETERY EXPANSION		
Location	5200 FRED WILSON AVENUE, EL PASO, TEXAS	
Issue Date	JUNE 15, 2026	Checked KQ
Drawn	JT	

Project Number
886CM3026
Building Number
Drawing Number
M501 115 of 155

BASE BID BID DOCUMENTS

NOTES:

1. BASIS OF DESIGN EQUIPMENT IS MASTER COOL AD150 - AS EQUAL EQUIPMENT WILL BE ACCEPTED.
2. PROVIDE NEW PROGRAMMABLE THERMOSTAT TO CONTROL UNIT.

NOTE

1. MAKE AND MODEL SELECTED IS BASIS OF DESIGN, APPROVED EQUALS WILL BE ALLOWED
2. INCLUDE WIRELESS CONTROLLER

NOTE

1. PROVIDE AND INSTALL BIRD SCREEN.
2. MAKE AND MODEL SELECTED IS BASIS OF DESIGN, APPROVED EQUALS WILL BE ALLOWED.
3. PROVIDE WITH MOTORIZED DAMPER. DAMPER TO FAIL SHUT. INTERLOCK DAMPER CONTRLS TO OPEN WITH NEW RTU EVAP COOLER

[illegible]

DESIGNER OF RECORD

ANDERSON

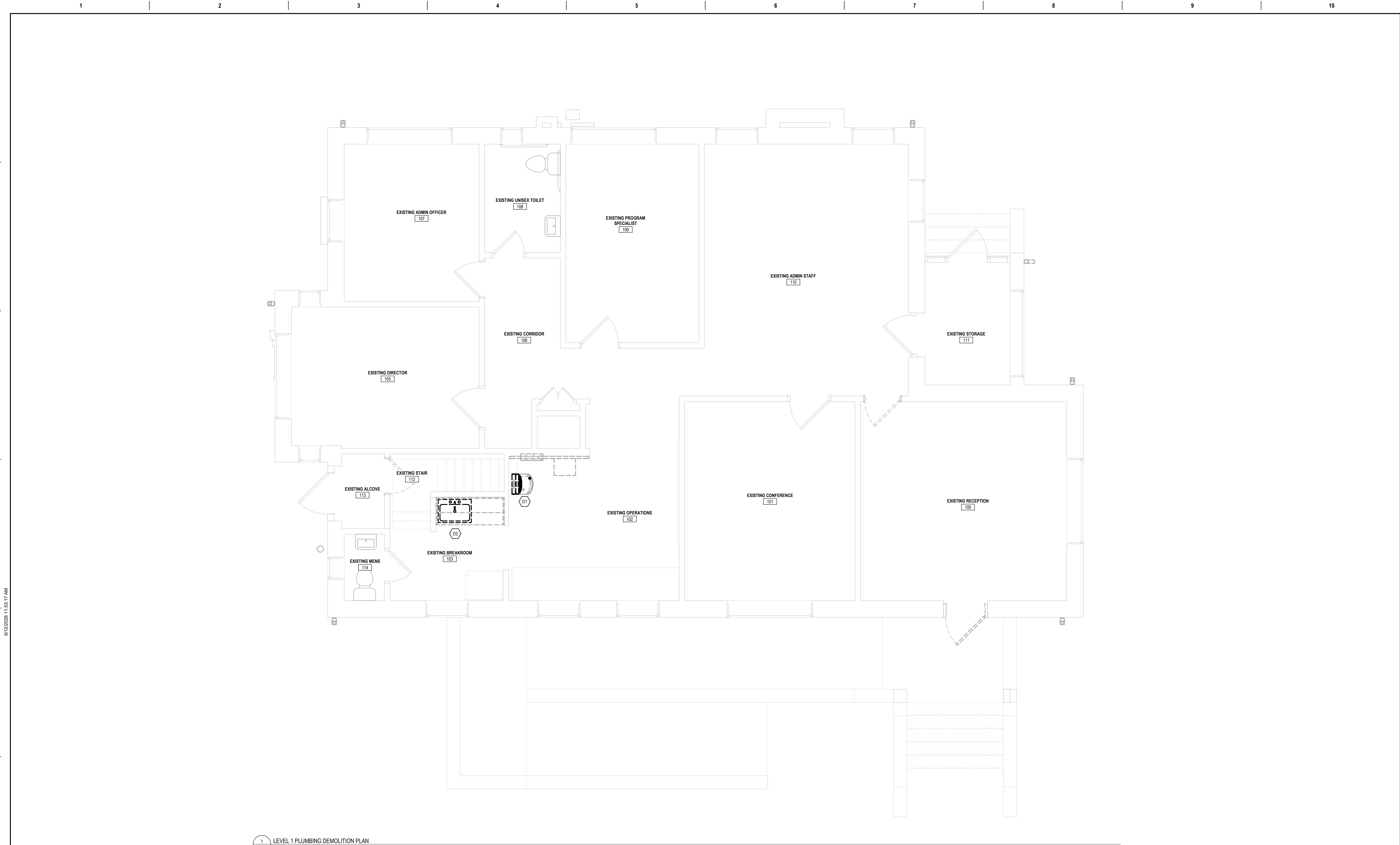
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 18528

Office of
Construction
and Facilities
Management

VA | U.S. Department
of Veterans
Affairs

Phase	
	BID DOCUMENTS
	NOT SPRINKLERED

Project Number 886CM3026
Building Number
Drawing Number M601 116 of 155



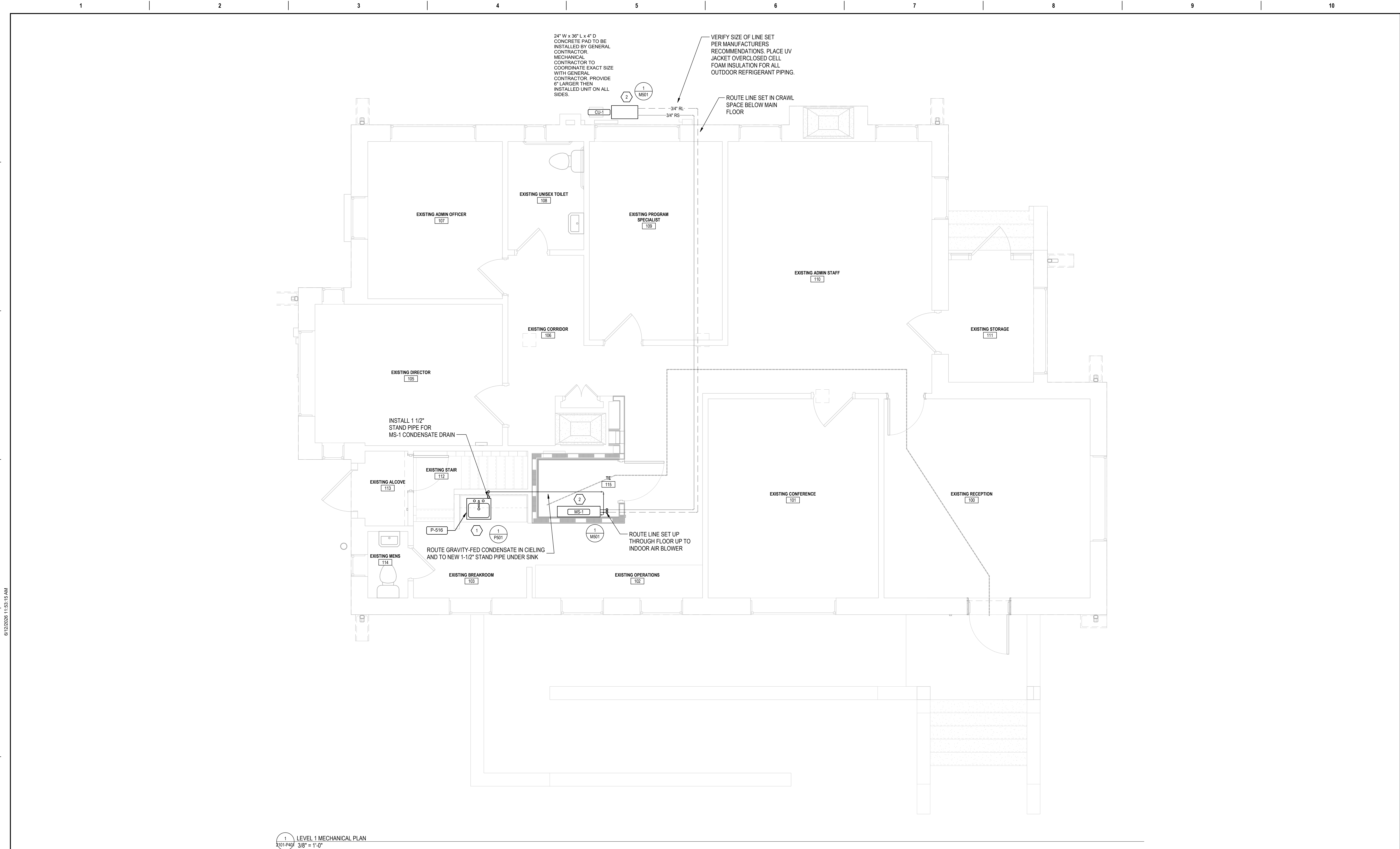
1 LEVEL 1 PLUMBING DEMOLITION PLAN
2101-PD111 3/8" = 1'-0"

NOTES:
1. SEE M001 FOR KEYNOTE DESCRIPTION

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		FIRE ALARM: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		LOW VOLTAGE/SECURITY: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		IRRIGATION: AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.8104		GEOTECHNICAL: TERRACON 6460 HILLER STREET SUITE A EL PASO, TX 79925 915.778.5233		Approved:		NOT SPRINKLERED		Location 5200 FRED WILSON AVENUE, EL PASO, TEXAS		Building Number 2101	
		MATT SNYDER		PETE MCGHEE		JD LEONARD		IVAN AVELAR		Signature: <i>Kirby J. Quammen</i> Date: 06/15/2026 License #: 52555				Issue Date JUNE 15, 2026		Checked KQ	
		Date:												Drawn JT		Drawing Number 2101-PD111 117 of 155	

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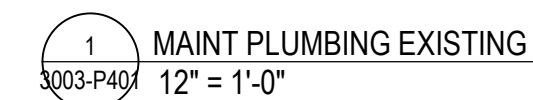
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2101-P401
LEVEL 1 MECHANICAL PLAN
3/8" = 1'-0"

NOTES:
1. SEE M001 FOR KEYNOTE DESCRIPTION

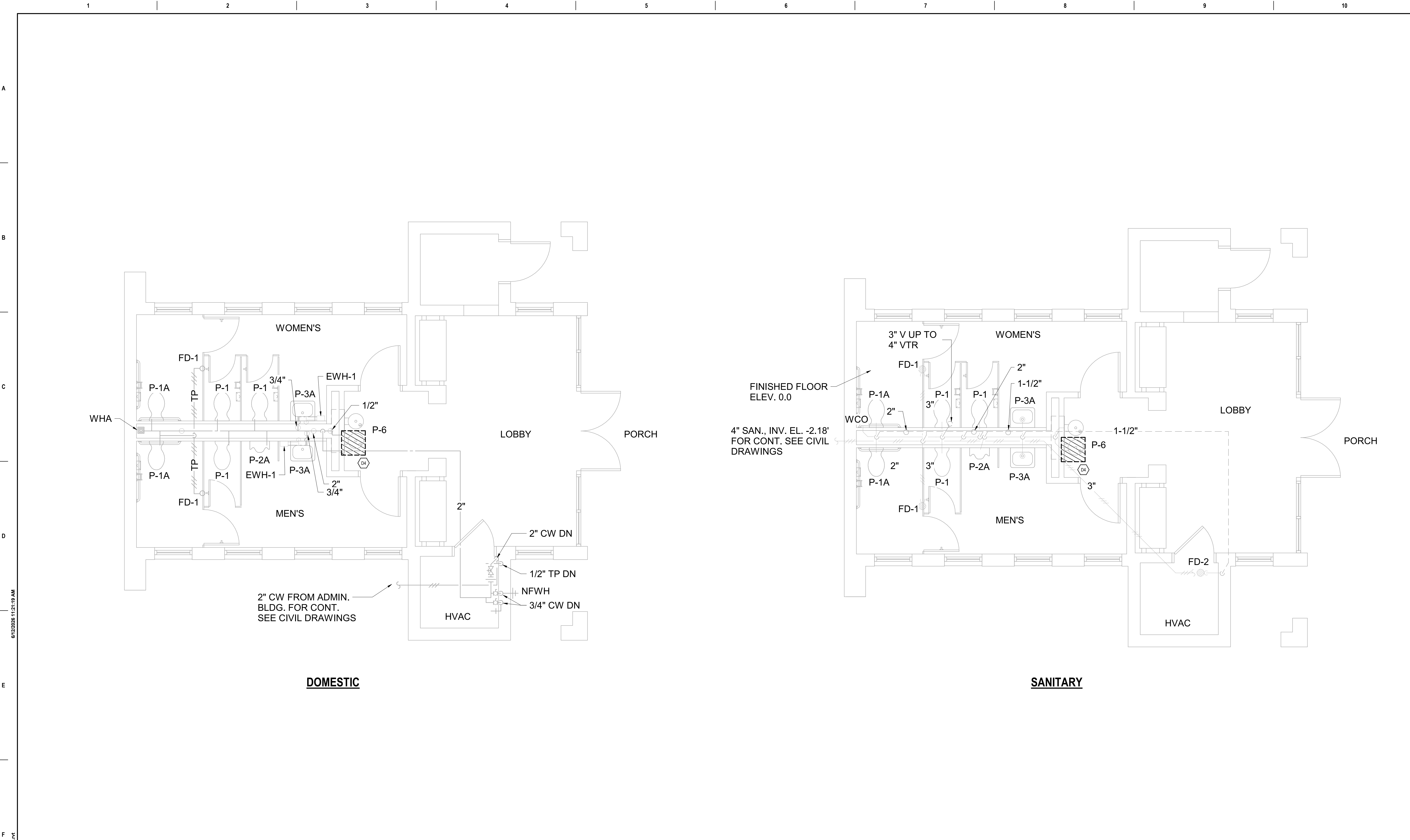
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		FIRE ALARM:		LOW VOLTAGE/SECURITY:		IRRIGATION:		GEOTECHNICAL:		ANDERSON 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 18528		I hereby certify that this plan, specification, or report 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 Minnesota. Print Name: <u>Kitty J Quamen</u> Signature: <u><i>Kitty Quamen</i></u> Date: <u>06/15/2026</u> License # <u>52055</u>		VAU.S. Department of Veterans Affairs		Approved:				NOT SPRINKLERED		Location 5200 FRED WILSON AVENUE, EL PASO, TEXAS		Building Number 2101		Drawing Number 2101-P401 118 of 155	
Issue Date JUNE 15, 2026		Checked KQ		Drawn JT																							
Revisions:		Date:		MATT SNYDER		PETE MCGHEE		JD LEONARD														IVAN AVELAR					

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CONSULTANT				DESIGNER OF RECORD		STAMP		Office of Construction and Facilities Management		Drawing Title EXISTING PLUMBING		Phase BID DOCUMENTS		Project Title FT BLISS NATIONAL CEMETERY EXPANSION		Project Number 886CM3026	
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MATT SNYDER		PETE MCCHIE		JD LEONARD		IVAN AVELAR		U.S. Department of Veterans Affairs				Issue Date JUNE 15, 2026		Checked KQ		Drawn JT	
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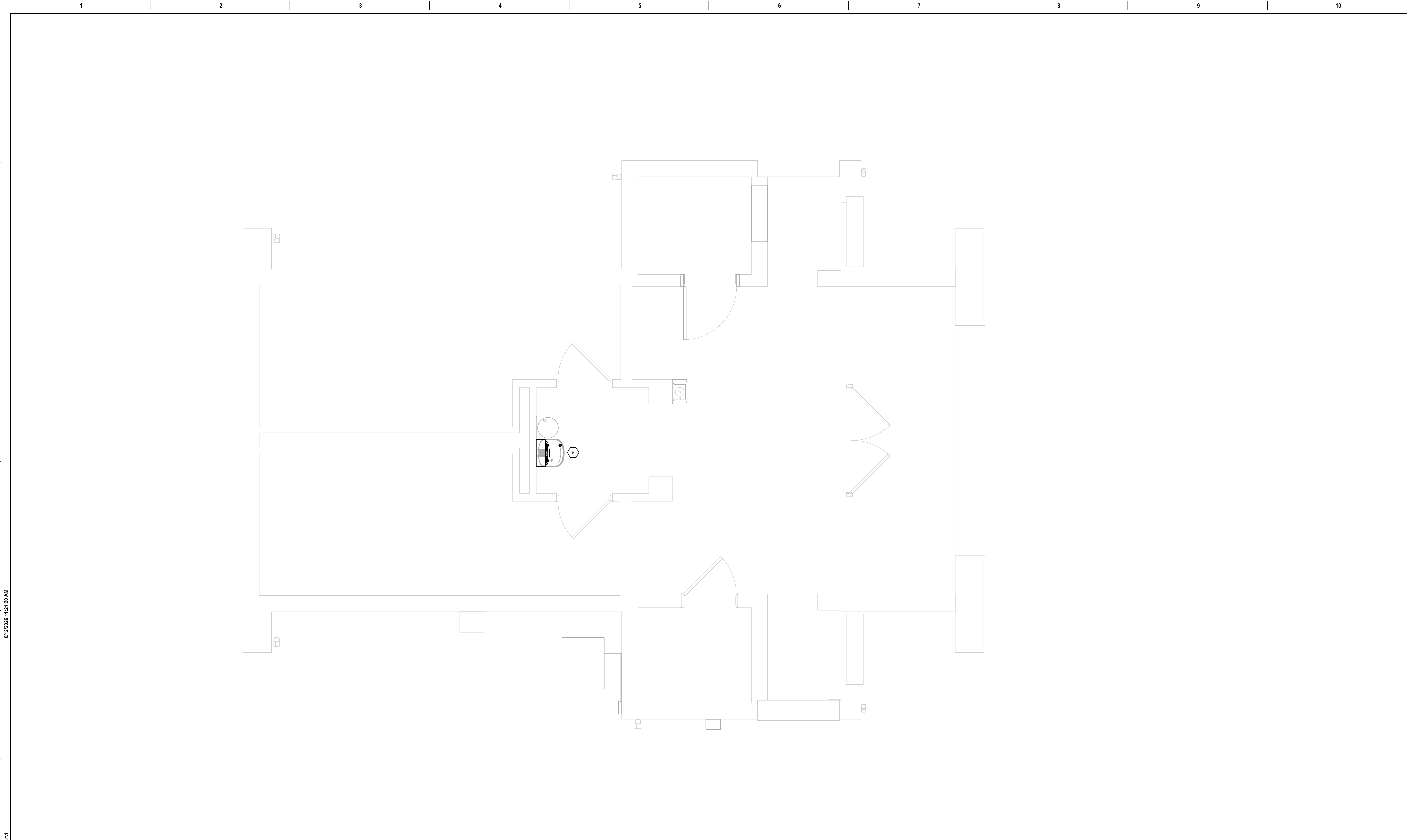


NOTES:
1. SEE M001 FOR KEYNOTE DESCRIPTION

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		MATT SNYDER		PETE MCGHEE		JD LEONARD		IVAN AVELAR				Location 5200 FRED WILSON AVE, EL PASO, TX	
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												Drawing Number 3004-P401 120 of 155	

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1 LEVEL 1 MECHANICAL PIPING PLAN
3004-P402 1/2" = 1'-0"

NOTES:
1. SEE M001 FOR KEYNOTE DESCRIPTION

Revisions:		CONSULTANT FIRE ALARM: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770 LOW VOLTAGE/SECURITY: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770 IRRIGATION: AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.8104 GEOTECHNICAL: TERRACON 6460 HILLER STREET SUITE A EL PASO, TX 79925 915.778.5233 MATT SNYDER PETE MCGHEE JD LEONARD IVAN AVELAR		DESIGNER OF RECORD ANDERSON 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 18528	
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A

B

C

D

E

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Electrical Abbreviations			
1P	1 Pole (2P, 3P, 4P, ETC.)	MCB	Main Circuit Breaker
A	Ampere	MCC	Motor Control Center
AC	Above Counter	MDC	Main Distribution Center
AGL	Above Ceiling	MDF	Main Distribution Panel
ADO	Automatic Door Opener	MFR	Manufacturer
AF	Amp Frame	MFS	Main Fused Disconnect Switch
AFB	Above Finished Floor	MH	Manhole
AFG	Above Finished Grade	MIC	Microphone
AFI	Arc Fault Circuit Interrupter	MIN	Minimum
AHU	Air Handling Unit	MISC	Miscellaneous
AL	Aluminum	MLO	Main Lugs Only
ALT	Alternate	MMS	Manual Motor Starter
AMP	Ampere	MOA	Multistud Assembly
AMPL	Amplifier	MSP	Motor Starter Panelboard
ANUN	Annunciator	MSS	Motor Starter Switch
APPROX	Approximately	MT	Mount
AQ-STAT	AquaStat	MT-C	Manual Transfer Switch
ARCH	Architect, Architectural	MTR	Motor, Motorized
AS	Amp Switch	N.C.	Normally Closed
ATS	Automatic Transfer Switch	NEC	National Electrical Code
AUTO	Automatic	NEMA	National Electrical Association
AUX	Auxiliary	NFDS	Non-Fused Safety Disconnect Switch
AV	Audio Visual	NIC	Not In Contract
AWG	American Wire Gauge	NL	Night Light
BATT	Battery	N.O.	Normally Open
BD	Board	NPS	Normal Power Factor
BLDG	Building	NTS	Not To Scale
BMS	Building Management System	OC	On Center
C	Conduit	OH	Overhead
CAB	Cabinet	OL	Overloads
CATV	Cable Television	PA	Public Address
CB	Circuit Breaker	PB	Push Box Or Pushbutton
CCTV	Closed Circuit Television	PE	Pneumatic Electric
CKT	Circuit	PED	Pedestal
CLG	Ceiling	PF	Power Factor
COMB	Combination	PH	Phase
CMRP	Compressor	PIN	Post Indicating Valve
CNW	Connection	PNL	Panel
CONST	Construction	PP	Power Pole
CONT	Continuation Or Continuous	PR	Pair
CONTR	Contractor	PRJ	Primary
CONV	Converter	PROJ	Projection
CP	Circulating Pump	PRV	Power Roof Ventilator
CRT	Cathode-Ray Tube	PT	Potential Transformer
CT	Current Transformer	PVC	Polyvinyl Chloride (Conduit)
CTR	Center	QUAN	Quantity
CU	Copper	RCPT	Receptacle
DCP	Domestic Water Circulating Pump	REQD	Required
DEPT	Department	RM	Room
DET	Detect	RSC	Rigid Steel Conduit
DIA	Diameter	RTU	Roof Top Unit
DISC	Disconnect	SC	Surface Conduit
DIST	Distribution	SEC	Secondary
DN	Down	SH	Sheet
DPR	Damper	SM	Smaller
DS	Safety Disconnect Switch	SLD	Single-Line Diagram
DT	Double Throw	SN	Solid Neutral
DWG	Drawing	SPEC	Specification
EC	Electrical Contractor	SPKR	Speaker
ELEC	Electric, Electrical	SPR	Spare
ELEV	Elevator	SR	Single-Point Power
ELU	Emergency Lighting Unit	SS	Surface Raceway
EM	Emergency	SS	Stainless Steel
EMS	Energy Management System	SP	Selector Switch
EMT	Electrical Metallic Tubing	S/S	Stop/Start Pushbuttons
EP	Electric Pneumatic	STA	Station
EQUIP	Equipment	STD	Standard
EW	Electric Water Cooler	SURF	Surface Mounted
EXST	Exhaust	SW	Switch
EXP	Explosion Proof	SWBD	Switchboard
EXR	Existing to be Relocated	SYM	Symmetrical
FA	Fire Alarm	SYS	System
FABP	Fire Alarm Booster Power	TEL	Telephone
FACP	Fire Alarm Control Panel	TERM	Terminal
FCU	Fan Coil Unit	TL	Twist Lock
FXT	Fixture	TR	Tamper Resistant
FLR	Floor	T-STAT	Thermostat
FLUOR	Fluorescent	TTC	Telephone Terminal Cabinet
FU	Fuse	TV	Television
FUSD	Fused Safety Disconnect Switch	TYTC	Television Terminal Cabinet
G	Gauge	TYP	Typical
GAL	Gallon	UC	Under Counter
GALV	Galvanized	UE	Underground Electrical
GC	General Contractor	UG	Underground
GEN	Generator	UH	Unit Heater
GFI	Ground Fault Circuit Interrupter	UL	Underground Telephone
GFP	Ground Fault Protector	UTL	Utility
GND	Ground	UV	Ultraviolet
GRS	Galvanized Rigid Steel (Conduit)	V	Volt
GYP BD	Gypsum Board	VA	Volt-Amperes
HOA	Hands-Off-Automatic Switch	VDT	Video Display Terminal
HORZ	Horizontal	VERT	Vertical
HP	Horsepower	VFD	Variable Frequency Drive
HPP	High Power Factor	VOL	Volume
HT	Height	W	Watt
HTG	Heating	WI	With
HTR	Heater	WG	Wire Guard
HV	High Voltage	WH	Water Heater
HVAC	Heating, Ventilating And Air Conditioning	W/O	Without
IC	Interrupting Capacity	WP	Weatherproof
IG	Isolated Ground	XFM	Transformer
IMC	Intermediate Metal Conduit	XFR	Transfer
INCAND	Incandescent		
IR	Infrared	<	Angle
IW	Interlock With	@	At
J-BOX	Junction Box	Δ	Delta
KV	Kilovolt	'	Feet
KVA	Kilovolt-Ampere	"	Inches
KVAR	Kilovolt-Ampere Reactive	#	Number
KW	Kilowatt	Ø	Phase
KWH	Kilowatt Hour	C	Center Line
LOC	Locate Or Location	P	Plate
LT	Light		
LTG	Lighting		
LTNG	Lightning		
LV	Low Voltage		
MAX	Maximum		
MAGS	Magnetic Starter		
MC	Momentary Contact		
MC	Mechanical Contractor		

Electrical Symbol Legend		
Lighting Symbols	Power Symbols	
	Construction Phasing (Typical All Symbols and Equipment)	
Lighting Fixtures, Typical, Rectangular (Various Symbols) Filled circles indicate recessed. Open circles indicate surface-mounted. Diagonal line indicates lensed. Outer dots indicate suspended.	Miscellaneous	
	Room	
Lighting Fixtures, Typical, Round (Various Symbols) Center dot indicates pendant. Diagonal line indicates lensed. Chevron indicates wall wash.	Keynote	
	Room Name and Number	
Wall-mounted fixtures, Typical (Various Symbols) Strip Fixture Directional Light, Track Light, Flood Light Linear Light, Tape Light	Switch Modifiers	
	Emergency Lighting Unit, Ceiling-Mounted, Integral Battery	
Emergency Lighting Unit, Ceiling-Mounted, Remote Battery	Emergency Lighting Unit, Wall-Mounted, Integral Battery	
	Emergency Lighting Unit, Wall-Mounted, Remote Battery	
Exit Light, Ceiling-Mounted. Shading and arrows indicate faces and directional chevrons.	Exit Light, Wall-Mounted. Shading and arrows indicate faces and directional chevrons.	
	Exit/ELU Combo	
Pole/Area Lights Post-Top Area Light Bollard Light	Diagonal hatch indicates light on a critical circuit.	
	Solid hatch indicates light on an emergency or life safety circuit.	
Single-Pole Switch Two-Pole Switch Three-Pole Switch	Switch Modifiers	
	OS: Occupancy Sensor	
Lighting Contactor Lighting Control Panel Occupancy Sensor Daylight Harvesting Sensor	Power Distribution Equipment	
	Hatched fill indicates distribution panel or switchboard.	
Grounding and Lightning Protection Symbols	Ground Rod	
	Ground Rod with Test Well	
Static Ground Receptacle Lightning Protection Air Terminal Lightning Protection Conductor Spike	Transformer. Typically, transformer names begin with or contain the letter "T". See Single-Line Diagram for description and requirements.	

Electrical General Notes	
A	Conductors operating at 50 volts or greater shall be in raceway. Raceway within the structure above the floor slab shall be metal. Raceway below the floor slab and underground raceway outside the structure shall be PVC.
B	Low voltage cables or conductors operating at less than 50 volts shall be in metal raceway where installed within walls or inaccessible spaces. Low voltage cables may be run in cable tray where noted. Low voltage cables may be run in cable support hooks above accessible ceilings where noted. Low voltage cables shall be plenum rated in plenum spaces.
B	Low voltage cables or conductors operating at less than 50 volts shall be in metal raceway. Low voltage cables may be run in cable tray where noted. Low voltage cable shall be plenum rated in plenum spaces.
C	Coordinate locations of devices with architectural elevations and details. Architectural elevations and details take precedence over locations shown on electrical drawings.
D	Provide cable or conduit and wire as required to achieve circling shown. Size conductors per NEC ampacity and wire fill criteria. Provide dedicated neutral and ground conductors for circling, unless noted otherwise. Increase branch circuit and/or feeder conductors including equipment grounding conductors proportionally for no more than 3% voltage drop on branch circuits and 2% on feeders per energy code.
E	It is the responsibility of this contractor to coordinate installation of electrical systems and those requiring electrical connections to maintain NEC required clearances, included but not limited to areas above accessible ceilings.
F	Coordinate with other trades for proper installation of equipment. Consult the drawings of other trades or crafts to avoid conflicts with equipment, etc. Conflicts shall be resolved prior to rough-in and at no additional cost to the owner.
G	Leave the site clean and ready for occupancy. Remove dirt, debris, empty cartons, tools, conduit and wire scraps, and miscellaneous spare equipment and materials used in this division of the work during construction. Components shall be free of dust, grit, and foreign materials and left as new before final acceptance of work.
H	The symbols and abbreviations shown on this sheet may or may not be used in this set of drawings.
I	Perform work to comply with the standard practices for good workmanship published by National Electrical Contractors Association (NECA). Comply with the latest enforced edition of the National Electrical Code (NEC), local codes, amendments, and ordinances.
J	Field coordinate final mechanical and equipment locations along with connection requirements and control wiring prior to rough-in. Adjust corresponding circuit breaker ratings and branch circling accordingly.
K	Electrical work shall be performed under the supervision of a licensed master electrician. Procure permits and licenses and pay fees associated with this work.
L	Materials furnished for this project shall be new, commercial grade, free of defects, and listed by a nationally recognized testing laboratory unless noted otherwise.
M	Provide complete operation & maintenance manual including approved submittal drawings, warranty information for product supplied, and manufacturers operation and maintenance instructions.
N	The contractor is responsible for making final wiring terminations to pre-installed receptacles in office furniture. Contractor is responsible for wiring and installing voice/data devices in office furniture. Coordinate placement of devices with furniture lay-out.
O	Security system to be provided under separate contract. It is the responsibility of this contractor to provide conduit provisions, back boxes, rough-ins, sleeves and power to head end equipment for exact requirements prior to start of work.
P	Conduit and wire shall not be installed below floor slab unless indicated on plan by dashed conduit.
Q	Contractor shall be responsible for wiring electrical items shown on drawings except for items listed in note "R" below.
R	TV outlets, volume controls, nurse call dome lights, nurse call devices, telephone outlets, data outlets, and fire alarm devices shall consist of a back box with conduit stubbed above the accessible ceiling, see stub up detail. Verify size of back box required with device to be installed. Locate back boxes 6" from adjacent power receptacle intended for computer use.
S	Furnish and install conduit from back boxes for the following devices into the accessible ceiling space in the corridor, unless noted otherwise: 1/2" TV outlets 1/2" Volume controls 1/2" Door security devices (card readers, door strikes, etc.) 1/2" Nurse call dome lights 3/4" Nurse call devices 3/4" Telephone outlets 3/4" Information outlets 3/4" Fire alarm devices

Electrical Remodel Notes	
A	Branch circling indicated on plans and schedules is based upon existing plans and site observation, contractor to field verify.
B	Provide typed circuit board directories to reflect as-constructed conditions. Field verify during construction and revise accordingly.
C	Provide necessary demolition to facilitate new construction work associated with this project. Coordinate outages with owner minimum 72 hours in advance. Owner retains right to first salvage. Provide disposal of removed material. Maintain circuit continuity as required.
D	It is the intent of these diagrammatic drawings to provide the project scope including, but not limited to phased demolition and new construction. Existing information indicated on these plans does not represent all existing conditions. This contractor shall become familiar with existing conditions, scope of phasing, and project intent prior to bid submission. No extra will be allowed due to the lack of knowledge of existing conditions to coordinate relocation of electrical systems as required.
E	Provide cutting, patching, and restoration of finishes necessary for work surfaces damaged by this work and spaces around conduits passing through floors and walls shall be neatly patched and finished to match new/existing. Structural members shall not be cut or penetrated in any manner. The spaces around the conduits shall be sealed to prevent entrance of moisture. Provide fire stopping per UL approved methods.
F	Remove abandoned wiring completely. At contractors option, utilize existing abandoned raceway to extent available. Exposed abandoned raceway shall be removed.
G	Coordinate work in phases with general contractor and owner to facilitate demolition and new construction.
H	Remove electrical related equipment (e.g., junction boxes, receptacles, switches, devices, etc...) affected/abandoned as a result of demolition and new construction

Electrical Sheet List	
E-001	ELECTRICAL SYMBOLS, ABBREVIATIONS, GENERAL NOTES
2101-ED111	ADMIN BLDG - LIGHTING DEMOLITION PLAN
2101-ED112	ADMIN BLDG - POWER DEMOLITION PLANS
2101-EL111	ADMIN BLDG - LIGHTING PLAN
2101-EP111	ADMIN BLDG - POWER PLANS
3003-ED111	MAINTENANCE BLDG - ELECTRICAL DEMOLITION PLANS
3003-E-111	MAINTENANCE BLDG - ELECTRICAL PLANS
3003-E-411	MAINTENANCE BLDG - ELECTRICAL ROOF PLAN
3003-E-501	MAINTENANCE BLDG - ELECTRICAL SCHEDULES AND DETAILS
3004-ED111	PICRESTROOM - ELECTRICAL DEMOLITION PLANS
3004-E-111	PICRESTROOM - ELECTRICAL PLANS
E-501	ELECTRICAL DETAILS

A

B

C

D

E

F

BASE BID
BID DOCUMENTS

CONSULTANT		DESIGNER OF RECORD		STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
FIRE ALARM: IMEG 625 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		LOW VOLTAGE/SECURITY: IMEG 625 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		IRRIGATION: AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.6104		GEOTECHNICAL: TERRACON 6460 HILLER STREET SUITE A EL PASO, TX 79925 915.778.5233		886CM3026	
MATT SNYDER		PETE MCGHEE		JD LEONARD		IVAN AVELAR		Building Number	
Revisions:		Date:		13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Veterans, LLC Proj # 18528		I hereby certify that this plan, specification, or report 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 Minnesota. Print Name: Andrew T. Weber Signature: [Signature] Date: 06/15/2026 License #: 62718		ELECTRICAL SYMBOLS, ABBREVIATIONS, GENERAL NOTES	
Approved:		Approved:		Approved:		Approved:		NOT SPRINKLERED	
Issue Date		Checked		Drawn		DIL		E-001 123 of 155	
JUNE 15, 2026		ATW							

ELECTRICAL DEMOLITION
GENERAL NOTES

1. DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND FIELD OBSERVATION. ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.

2. ALL REQUIRED DEMOLITION MAY NOT BE INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.

3. REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL EQUIPMENT TO BE REMOVED.

4. MAINTAIN FIRE RATINGS OF WALLS AND FLOORS AFFECTED BY DEMOLITION.

5. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTORS DEMOLITION.

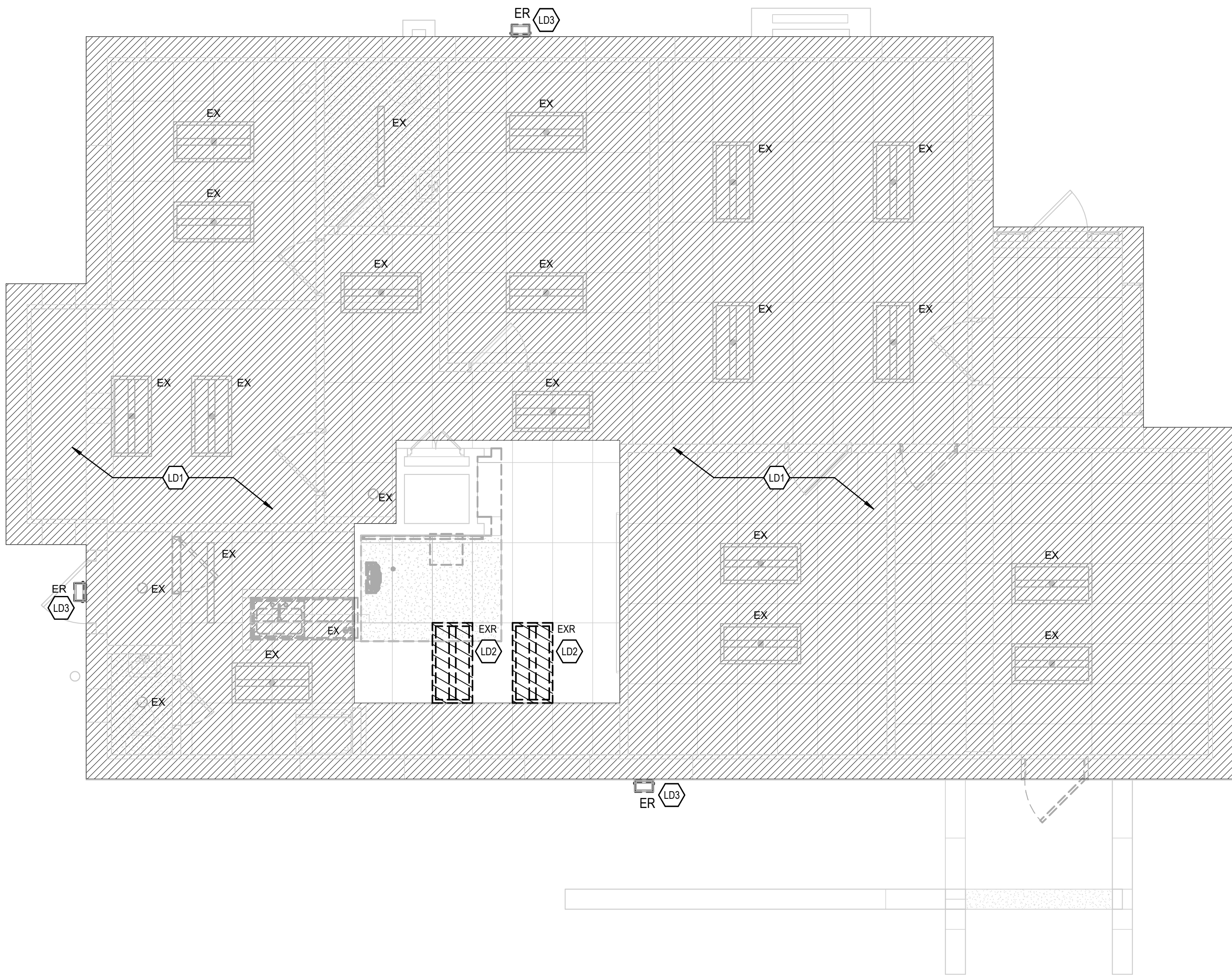
LIGHTING DEMOLITION PLAN KEYED NOTES

LD1 NO LIGHTING DEMOLITION SCOPE IN THIS AREA

LD2 DISCONNECT POWER TO EXISTING LIGHT. REMOVE, STORE, AND PROTECT FOR DURATION OF ARCHITECTURAL SCOPE. PREPARE TO REINSTALL IN NEW LOCATION AS SHOWN ON NEW WORK PLAN.

LD3 DISCONNECT POWER TO EXISTING EXTERIOR LIGHT AND REMOVE. PREPARE TO RECONNECT CIRCUIT TO NEW LIGHT FIXTURE.

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

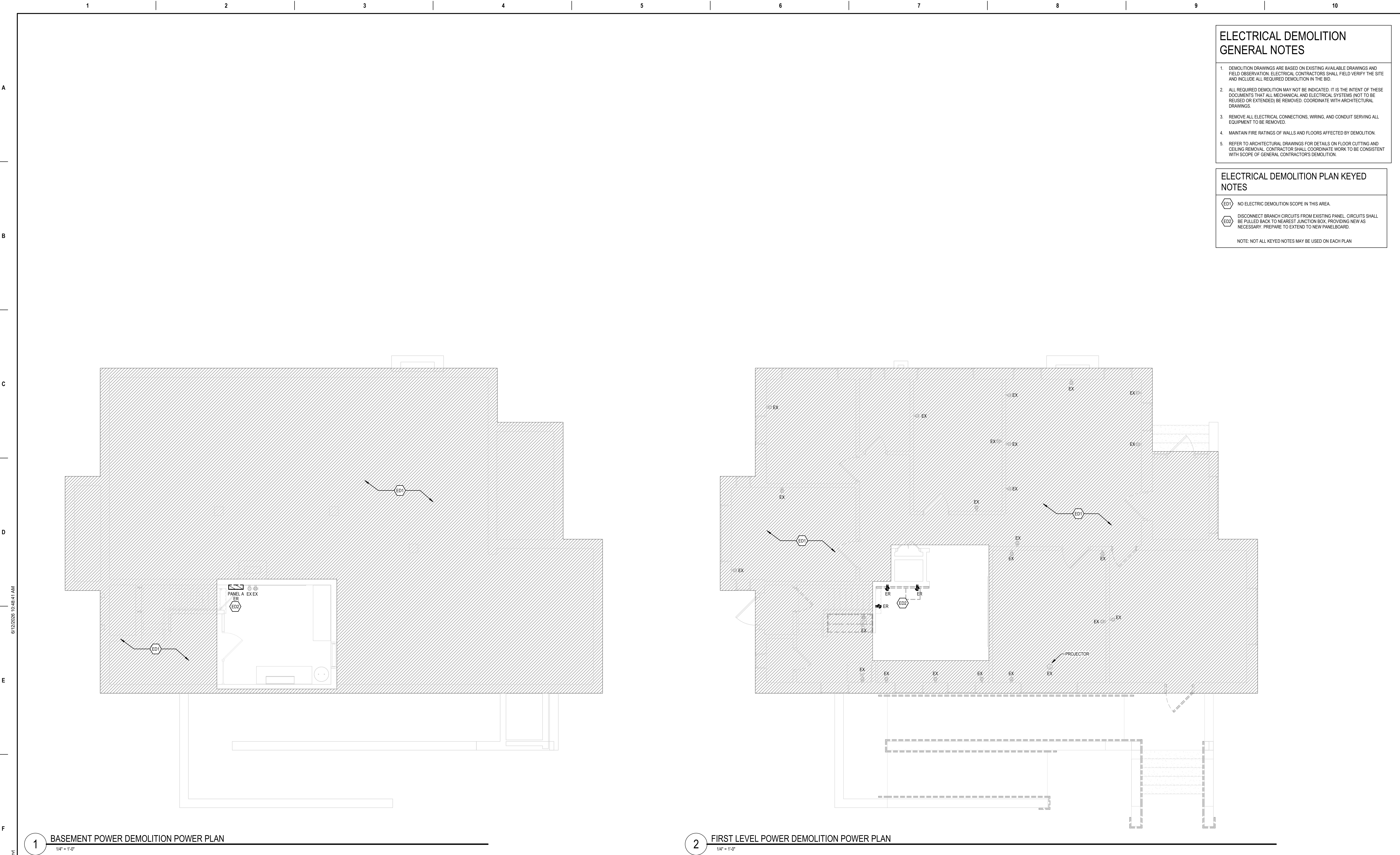


1 FIRST LEVEL LIGHTING DEMOLITION PLAN

1/4" = 1'-0"

BASE BID
BID DOCUMENTS

Revisions: Date:	CONSULTANT FIRE ALARM: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770 LOW VOLTAGE/SECURITY: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770 IRRIGATION: AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT 49 FORT COLLINS, CO 80525 970.372.8104 GEOTECHNICAL: TERRACON 6460 HILLER STREET SUITE A EL PASO, TX 79925 915.778.5233 MATT SNYDER PETE MCGHEE JO LEONARD NAN AVELAR	DESIGNER OF RECORD ANDERSON 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 18528	STAMP I hereby certify that this plan, specification, or report 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 Minnesota Print Name: Andrew T. Weber Signature: <i>Andrew T. Weber</i> Date: 06/15/2026 License #: 52718 <td data-cs="2" data-kind="parent"> Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs </td> <td data-cs="2" data-kind="parent"> Drawing Title ADMIN BLDG - LIGHTING DEMOLITION PLAN Approved: </td> <td data-cs="2" data-kind="parent"> Phase BID DOCUMENTS NOT SPRINKLERED </td> <td data-cs="2" data-kind="parent"> Project Title FT BLISS NATIONAL CEMETERY EXPANSION Location 5200 FRED WILSON AVENUE, EL PASO, TEXAS Issue Date JUNE 15, 2026 Checked ATW Drawn DIL </td> <td data-cs="2" data-kind="parent"> Project Number 886CM3026 Building Number 2101 Drawing Number 2101-ED111 124 of 155 </td>	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title ADMIN BLDG - LIGHTING DEMOLITION PLAN Approved:	Phase BID DOCUMENTS NOT SPRINKLERED	Project Title FT BLISS NATIONAL CEMETERY EXPANSION Location 5200 FRED WILSON AVENUE, EL PASO, TEXAS Issue Date JUNE 15, 2026 Checked ATW Drawn DIL	Project Number 886CM3026 Building Number 2101 Drawing Number 2101-ED111 124 of 155



- ELECTRICAL DEMOLITION GENERAL NOTES**
 - DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND FIELD OBSERVATION. ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
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 - REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL EQUIPMENT TO BE REMOVED.
 - MAINTAIN FIRE RATINGS OF WALLS AND FLOORS AFFECTED BY DEMOLITION.
 - REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTORS DEMOLITION.
- ELECTRICAL DEMOLITION PLAN KEYED NOTES**

ED1

NO ELECTRIC DEMOLITION SCOPE IN THIS AREA.

ED2

DISCONNECT BRANCH CIRCUITS FROM EXISTING PANEL. CIRCUITS SHALL BE PULLED BACK TO NEAREST JUNCTION BOX, PROVIDING NEW AS NECESSARY. PREPARE TO EXTEND TO NEW PANELBOARD.

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

1 BASEMENT POWER DEMOLITION POWER PLAN
1/4" = 1'-0"

2 FIRST LEVEL POWER DEMOLITION POWER PLAN
1/4" = 1'-0"

BASE BID
BID DOCUMENTS

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LIGHTING FIXTURE SCHEDULE

TYPE	BOD MANUFACTURER	MODEL NUMBER	DESCRIPTION	LAMP/CCT/CRI	CONTROL	DELIVERED LUMENS	WATTS	VOLTS
FA	LITHONIA	CLX-L36-3750LM-SEF-FDL-WD-MVOLT-GZ10-35K-80CRI-WH	3' LED Linear w/ Standard efficiency. Flat diffuse lens. Wide distribution. White finish. Provide accessories required for suspended installation. Coordinate final suspension height and location with all trades. BAA and BABA Compliant.	LED/3500K/80	0-10V 10%	3750	26.5	MVOLT
WA	MCGRAW-EDISON	BABA-GKO-PB2A-840-120-T4W-BK-BPC	Wall Mount LED. Medium Size, Output Level 1, Type IV Distribution, IP66 RATED Button Photocontrol. BAA And BABA Compliant.	LED/4000K/80	0-10V	3750	26	120V

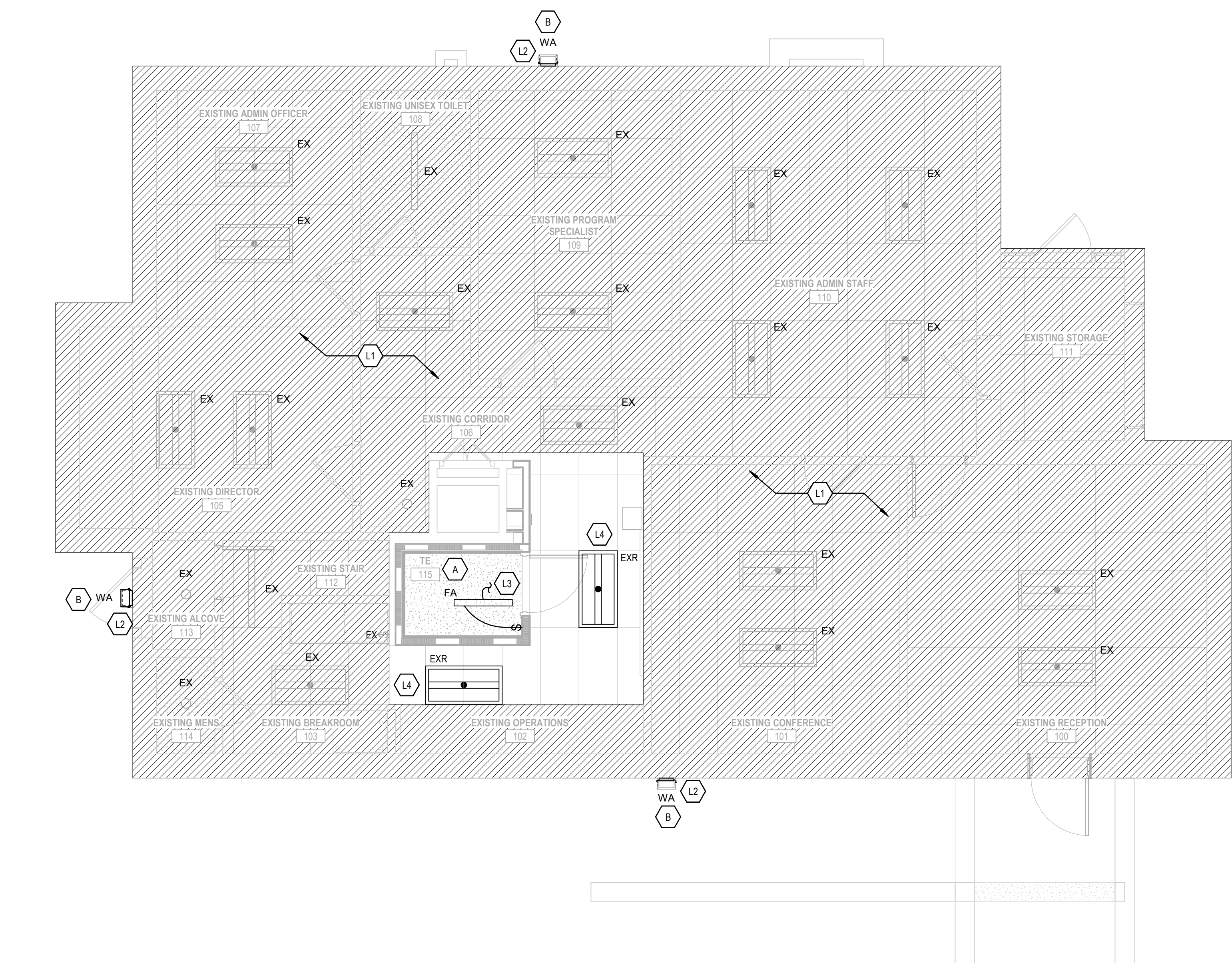
TAG	ACTIVATION	DESCRIPTION	SCHEDULE
A	MANUAL ON/OFF	MANUAL LINE VOLTAGE TOGGLE SWITCH	N/A
B	AUTO ON/OFF via PHOTOCELL	AUTO ON/OFF via EXTERIOR PHOTOCELL INTEGRAL TO LIGHT FIXTURES.	N/A

LIGHTING GENERAL NOTES

- REFER TO SPECIFICATION SECTION 26 0923 FOR ADDITIONAL DETAILS ASSOCIATED WITH LIGHTING CONTROLS.
- SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL OF THE DESIGN TEAM.
- INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITES SIDES OF THE SAME WALL ARE WITHIN 6" OF EACH OTHER.
- COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS AND CASEWORK.
- ALL LIGHTING FIXTURES SHALL BE INSTALLED IN SUCH A WAY THAT DRIVERS ARE ACCESSIBLE WITHOUT CUTTING OF CEILING. THE DESIGN TEAM SHALL BE NOTIFIED IMMEDIATELY OF AREAS WHERE THIS IS NOT POSSIBLE.
- ALL WALL-MOUNTED FIXTURES SHALL HAVE THEIR EXACT ROUGH-IN LOCATION DETERMINED BY THE DESIGN TEAM PRIOR TO ROUGH-IN.
- UNLESS NOTED OTHERWISE BY DESIGNATED LIGHTING CONTROL ZONES, SWITCHES SHOWN SHALL CONTROL ALL FIXTURES IN THE ROOM.
- REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR THE SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS SHALL BE REVIEWED AND APPROVED BY THE DESIGN TEAM PRIOR TO ROUGH-IN.

LIGHTING PLAN KEYED NOTES

- L1 NO LIGHTING SCOPE IN THIS AREA.
- L2 PROVIDE NEW LIGHTING FIXTURE TO REPLACE EXISTING AFTER ARCHITECTURAL WORK HAS BEEN COMPLETED. RECONNECT NEW FIXTURE TO EXISTING LIGHTING CIRCUIT.
- L3 EXTEND NEAREST EXISTING LIGHTING CIRCUIT TO NEW FIXTURE.
- L4 CLEAN AND REINSTALL EXISTING TROFFER IN NEW LOCATION AFTER ARCHITECTURAL WORK HAS BEEN COMPLETED. REFER TO DEMOLITION PLAN FOR ADDITIONAL DETAILS. RECONNECT EXISTING CIRCUIT AND CONTROLS.
- NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN



1 FIRST LEVEL LIGHTING PLAN
1/4" = 1'-0"

BASE BID
BID DOCUMENTS

		CONSULTANT				DESIGNER OF RECORD				STAMP		Office of Construction and Facilities Management		Drawing Title ADMIN BLDG - LIGHTING PLAN		Phase BID DOCUMENTS		Project Title FT BLISS NATIONAL CEMETERY EXPANSION		Project Number 886CM3026	
		FIRE ALARM: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		LOW VOLTAGE/SECURITY: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		IRRIGATION: AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.8104		GEOTECHNICAL: TERRACON 6460 HILLER STREET SUITE A EL PASO, TX 79925 915.778.5233		1 I hereby certify that this plan, specification, or report 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 Minnesota. Print Name: Andrew T. Weber Signature: <i>Andrew T. Weber</i> Date: 06/15/2026 License #: 62718		VAU.S. Department of Veterans Affairs		Approved:				Location 5200 FRED WILSON AVENUE, EL PASO, TEXAS		Building Number 2101	
Drawing Number																					
Issue Date JUNE 15, 2026		Checked ATW		Drawn DIL		2101-EL 111 126 of 155															
MATT SNYDER		PETE MCGHEE		JD LEONARD		IVAN AVELAR															
Revisions:		Date:																			

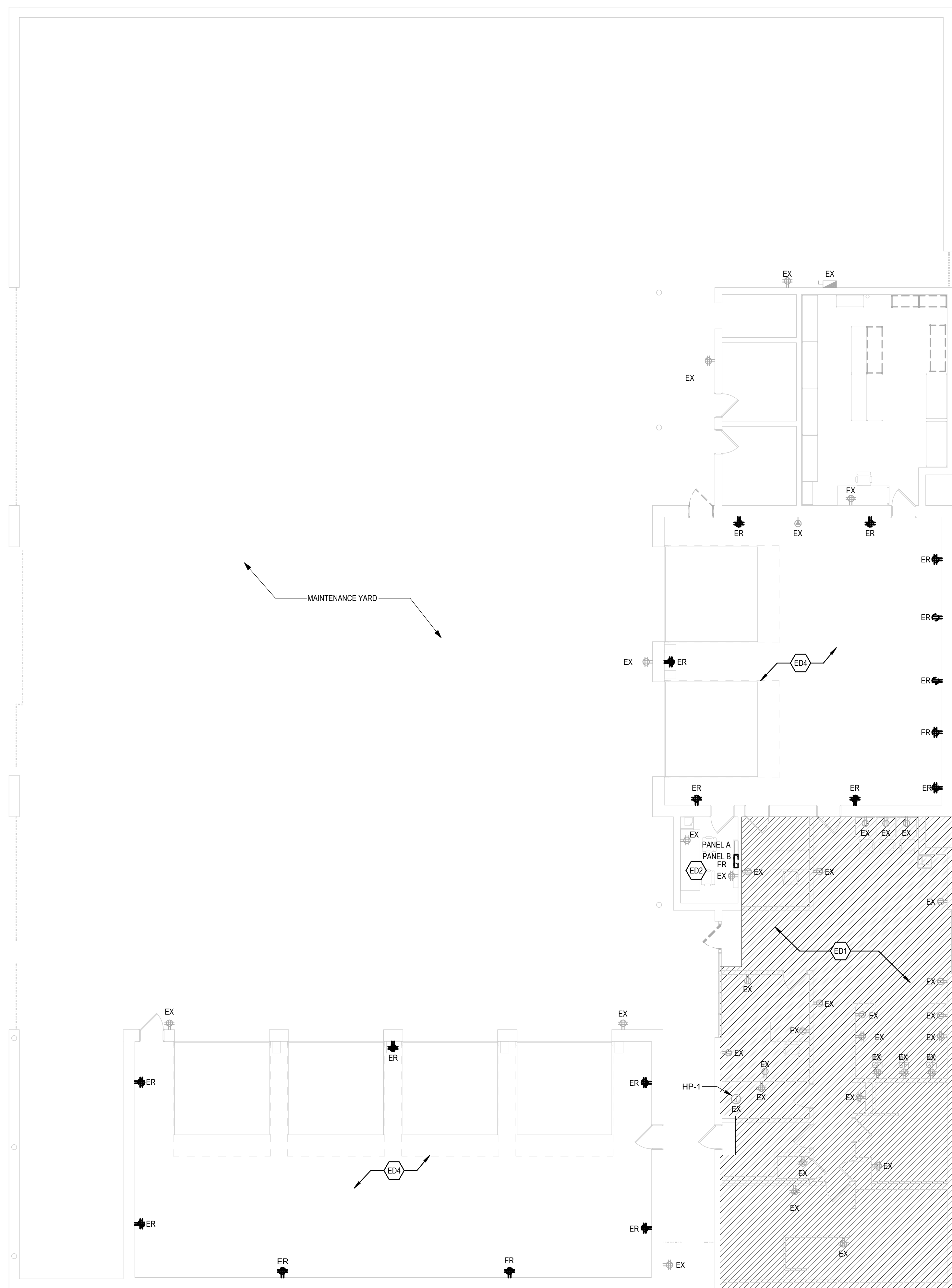


Project Number
886CM3026

Building Number
2101

Drawing Number
2101-EP111
127 of 155

(ED1) NO ELECTRICAL DEMOLITION SCOPE IN THIS AREA.
 (ED2) DISCONNECT BRANCH CIRCUITS FROM EXISTING PANEL. CIRCUITS SHALL BE PULLED BACK TO NEAREST JUNCTION BOX, PROVIDING NEW AS NECESSARY. PREPARE TO EXTEND TO NEW PANELBOARD.
 (ED3) DISCONNECT AND REMOVE EXISTING FIXTURE. CIRCUIT CONTINUITY SHALL BE RESTORED TO REMAINING FIXTURES AS REQUIRED.
 (ED4) EXISTING 15A RECEPTACLES IN THIS ROOM SHALL BE REMOVED AND REPLACED IN PLACE WITH 20A RECEPTACLES. EXISTING BOX/BOXES SHALL BE REUSED. ALL NEW DEVICES SHALL BE GFI PROTECTED IN ACCORDANCE WITH NEC ARTICLE 210.8.
 NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN



2 ELECTRICAL POWER DEMOLITION PLAN
1/8" = 1'-0"

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A

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C

D

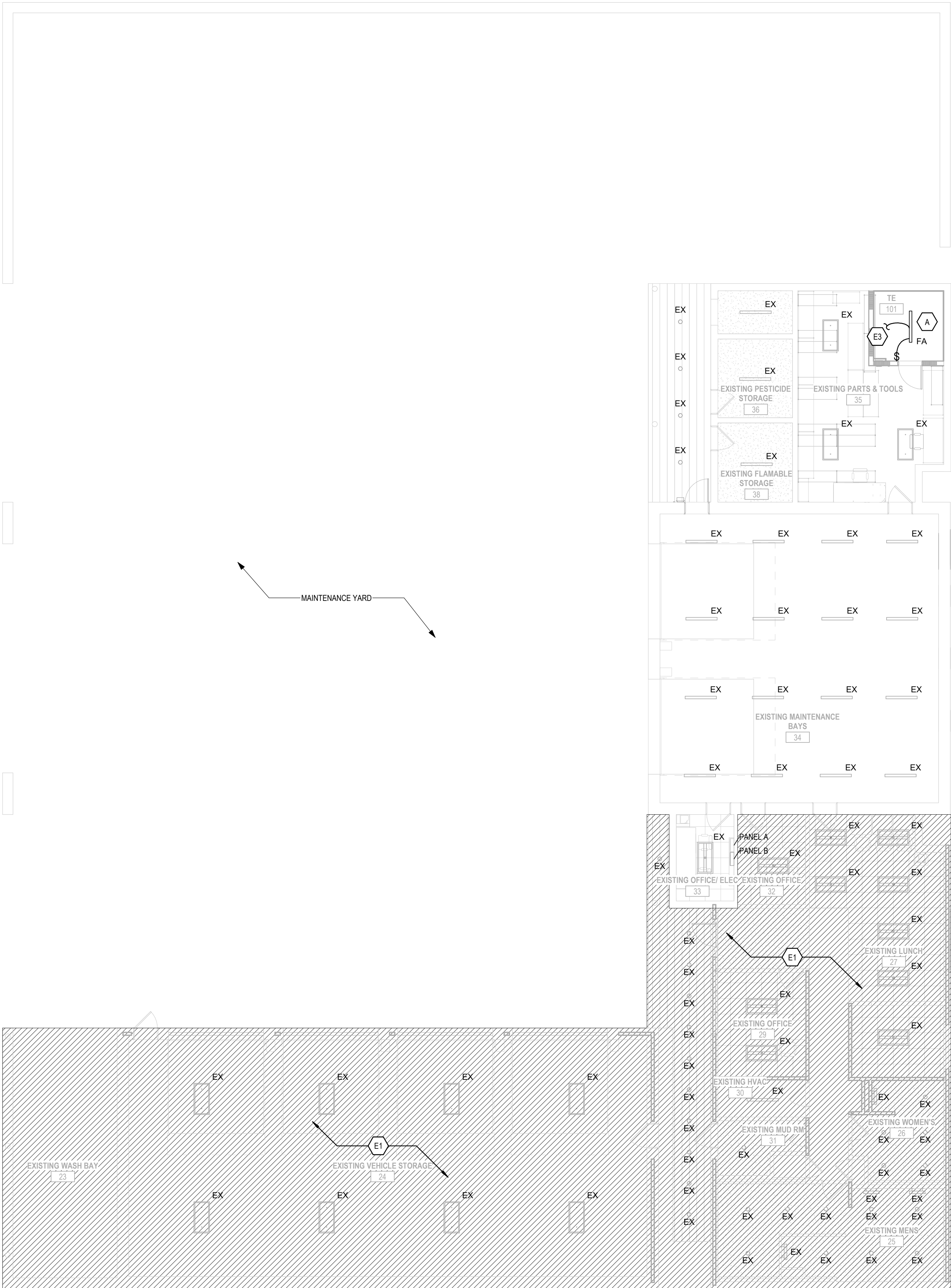
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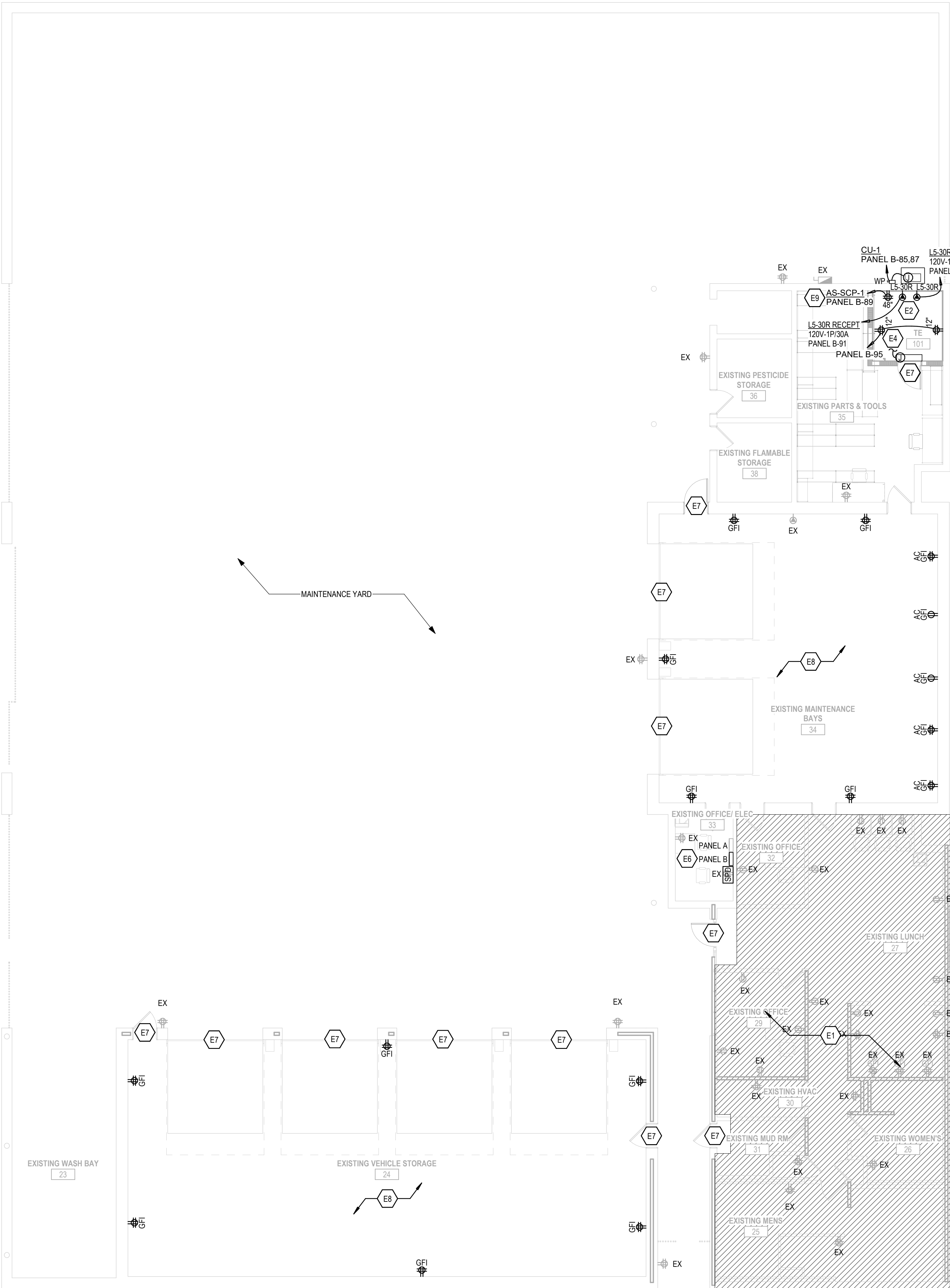
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LIGHTING CONTROL - SEQUENCE OF OPERATION			
TAG	ACTIVATION	DESCRIPTION	SCHEDULE
A	MANUAL ON/OFF	MANUAL LINE VOLTAGE TOGGLE SWITCH	N/A



1 ELECTRICAL LIGHTING PLAN
1/8" = 1'-0"



2 ELECTRICAL POWER PLAN
1/8" = 1'-0"

ELECTRICAL GENERAL NOTES

- REFER TO SPECIFICATION SECTION 26 0923 FOR ADDITIONAL DETAILS ASSOCIATED WITH LIGHTING CONTROLS.
- SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL OF THE DESIGN TEAM.
- INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF THE SAME WALL ARE WITHIN 6" OF EACH OTHER.
- COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS AND CASEWORK.
- ALL LIGHTING FIXTURES SHALL BE INSTALLED IN SUCH A WAY THAT DRIVERS ARE ACCESSIBLE WITHOUT CUTTING OF CEILING. THE DESIGN TEAM SHALL BE NOTIFIED IMMEDIATELY OF AREAS WHERE THIS IS NOT POSSIBLE.
- ALL WALL-MOUNTED FIXTURES SHALL HAVE THEIR EXACT ROUGH-IN LOCATION DETERMINED BY THE DESIGN TEAM PRIOR TO ROUGH-IN.
- UNLESS NOTED OTHERWISE BY DESIGNATED LIGHTING CONTROL ZONES, SWITCHES SHOWN SHALL CONTROL ALL FIXTURES IN THE ROOM.
- REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR THE SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS SHALL BE REVIEWED AND APPROVED BY THE DESIGN TEAM PRIOR TO ROUGH-IN.
- ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL AND ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL BE MAINTAINED GROUND AND BOND PER NEC ARTICLE 250.
- ALL DISCONNECTS ON MECHANICAL EQUIPMENT SHALL BE MOUNTED ON STRUCTURE TO ALLOW REMOVAL OF THE EQUIPMENT FOR MAINTENANCE WITH A MINIMUM OF WIRING WORK. VERIFY NEC CLEARANCE REQUIREMENTS ARE MET PRIOR TO ROUGH-IN.
- MAINTAIN SERVICE CLEARANCE AROUND MECHANICAL & ELECTRICAL EQUIPMENT. DO NOT ROUTE PIPING OR CONDUIT IN CLEARANCE SPACE.
- SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITH PRIOR APPROVAL FROM THE DESIGN TEAM.
- ALL RECEPTACLE CIRCUITS SHALL HAVE DEDICATED NEUTRAL.
- INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF THE SAME WALL ARE WITHIN 24" OF EACH OTHER.

ELECTRICAL PLAN KEYED NOTES

- E1 NO ELECTRICAL SCOPE IN THIS AREA.
- E2 PROVIDE (2) LS-30R RECEPTACLES FOR TELECOM USE. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL DETAILS. COORDINATE WITH LOW VOLTAGE CONTRACTOR PRIOR TO ROUGH-IN.
- E3 EXTEND NEAREST EXISTING LIGHTING CIRCUIT TO NEW FIXTURE.
- E4 PROVIDE SINGLE POINT POWER TO MINI-SPLIT FROM ASSOCIATE CONDENSING UNIT CU-1. REFER TO MECHANICAL SHEETS FOR ADDITIONAL DETAILS.
- E5 POWER TO SWAMP COOLER SHALL BE DISCONNECTED AND RECONNECTED TO NEW UNIT. EXISTING WIRING AND RACEWAY MAY BE REUSED WHERE IN GOOD CONDITION AND UP TO CURRENT CODES. PROVIDE 200Y/120V, 400A RATED, MAIN LUG ONLY PANELBOARD WITH 66 CIRCUITS CAPACITY. PANEL SHALL BE FED FROM ADJACENT PANELBOARD EXISTING SUB-FEEDFEED THROUGH LUGS. EXTEND EXISTING BRANCH CIRCUITS TO NEW PANELBOARD. REFER TO ONE-LINE DIAGRAM AND PANEL SCHEDULE FOR ADDITIONAL DETAILS.
- E6 ACCESS CONTROL LOCATION. REFER TO TECHNOLOGY DETAILS AND ARCHITECTURAL SPECIFICATIONS 08-7100 FOR OPERATION AND FURTHER ROUGH-IN/BIIDING INFORMATION. COORDINATE ALL DOOR HOLDS, CARD READERS, AND OTHER ACCESSORIES WITH ALL TRADES PRIOR TO ROUGH-IN.
- EB EXISTING 15A RECEPTACLES IN THIS ROOM SHALL BE REMOVED AND REPLACED IN PLACE WITH 20A RECEPTACLES. EXISTING BACKBOXES SHALL BE REUSED. ALL NEW DEVICES SHALL BE GFI PROTECTED IN ACCORDANCE WITH NEC ARTICLE 210.8.

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

BASE BID BID DOCUMENTS

		CONSULTANT				DESIGNER OF RECORD				STAMP		Office of Construction and Facilities Management		Drawing Title MAINTENANCE BLDG - ELECTRICAL PLANS		Phase BID DOCUMENTS		Project Title FT BLISS NATIONAL CEMETERY EXPANSION		Project Number 886CM3026					
		FIRE ALARM:		LOW VOLTAGE/SECURITY:		IRRIGATION:		GEOTECHNICAL:		A N D E R S O N 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 18528				I hereby certify that this plan, specification, or report 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 Minnesota Print Name: <u>Andrew T. Weber</u> Signature: <u><i>Andrew T. Weber</i></u> Date: <u>06/15/2026</u> License # <u>68718</u>		VA U.S. Department of Veterans Affairs		NOT SPRINKLERED		Location 5200 FRED WILSON AVENUE, EL PASO, TEXAS		Building Number 3003		Drawing Number 3003-E-111 129 of 155	
IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.8104		TERRACON 6460 HILLER STREET SUITE 4 EL PASO, TX 79925 915.778.5233																			
MATT SNYDER		PETE MCGHEE		JD LEONARD		IVAN AVELAR																			
Revisions:		Date:																							



- ### ELECTRICAL GENERAL NOTES
- ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL AND ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL BE MAINTAINED, GROUND AND BOND PER NEC ARTICLE 250.
 - ALL DISCONNECTS ON MECHANICAL EQUIPMENT SHALL BE MOUNTED ON STRUCTURE TO ALLOW REMOVAL OF THE EQUIPMENT FOR MAINTENANCE WITH A MINIMUM OF WIRING WORK. VERIFY NEC CLEARANCE REQUIREMENTS ARE MET PRIOR TO ROUGH-IN.
 - MAINTAIN SERVICE CLEARANCE AROUND MECHANICAL & ELECTRICAL EQUIPMENT. DO NOT ROUTE PIPING OR CONDUIT IN CLEARANCE SPACE.
 - SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITH PRIOR APPROVAL FROM THE DESIGN TEAM.
 - ALL RECEPTACLE CIRCUITS SHALL HAVE DEDICATED NEUTRAL.
 - INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF THE SAME WALL ARE WITHIN 24" OF EACH OTHER.
 - REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR THE SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS SHALL BE REVIEWED AND APPROVED BY THE DESIGN TEAM PRIOR TO ROUGH-IN.

- ### ELECTRICAL PLAN KEYED NOTES
- E1 NO ELECTRICAL SCOPE IN THIS AREA.
 - E2 PROVIDE (2) 15-30R RECEPTACLES FOR TELECOM USE. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL DETAILS. COORDINATE WITH LOW VOLTAGE CONTRACTOR PRIOR TO ROUGH-IN.
 - E3 EXTEND NEAREST EXISTING LIGHTING CIRCUIT TO NEW FIXTURE.
 - E4 PROVIDE SINGLE POINT POWER TO MINI-SPLIT FROM ASSOCIATE CONDENSING UNIT CU-1. REFER TO MECHANICAL SHEETS FOR ADDITIONAL DETAILS.
 - E5 POWER TO SWAMP COOLER SHALL BE DISCONNECTED AND RECONNECTED TO NEW UNIT. EXISTING WIRING AND RACEWAY MAY BE REUSED WHERE IN GOOD CONDITION AND UP TO CURRENT CODES. PROVIDE NEW 240V RATED 3-POLE, 30A, WEATHERPROOF DISCONNECT.
 - E6 PROVIDE 208Y/120V, 400A RATED, MAIN LUG ONLY PANELBOARD WITH 66 CIRCUITS CAPACITY. PANEL SHALL BE FED FROM ADJACENT PANELBOARD EXISTING SUB-FEEDERED THROUGH LUGS. EXTEND EXISTING BRANCH CIRCUITS TO NEW PANELBOARD. REFER TO ONE-LINE DIAGRAM AND PANEL SCHEDULE FOR ADDITIONAL DETAILS.
 - E7 ACCESS CONTROL LOCATION. REFER TO TECHNOLOGY DETAILS AND ARCHITECTURAL SPECIFICATIONS 087100 FOR OPERATION AND FURTHER ROUGH-IN/BIDDING INFORMATION. COORDINATE ALL DOOR HOLDS, CARD READERS, AND OTHER ACCESSORIES WITH ALL TRADES PRIOR TO ROUGH-IN.
 - E8 EXISTING 15A RECEPTACLES IN THIS ROOM SHALL BE REMOVED AND REPLACED IN PLACE WITH 20A RECEPTACLES. EXISTING BACKBOXES SHALL BE REUSED. ALL NEW DEVICES SHALL BE GFI PROTECTED IN ACCORDANCE WITH NEC ARTICLE 210.8.
- NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

1
1/8" = 1'-0"

2
1/8" = 1'-0"

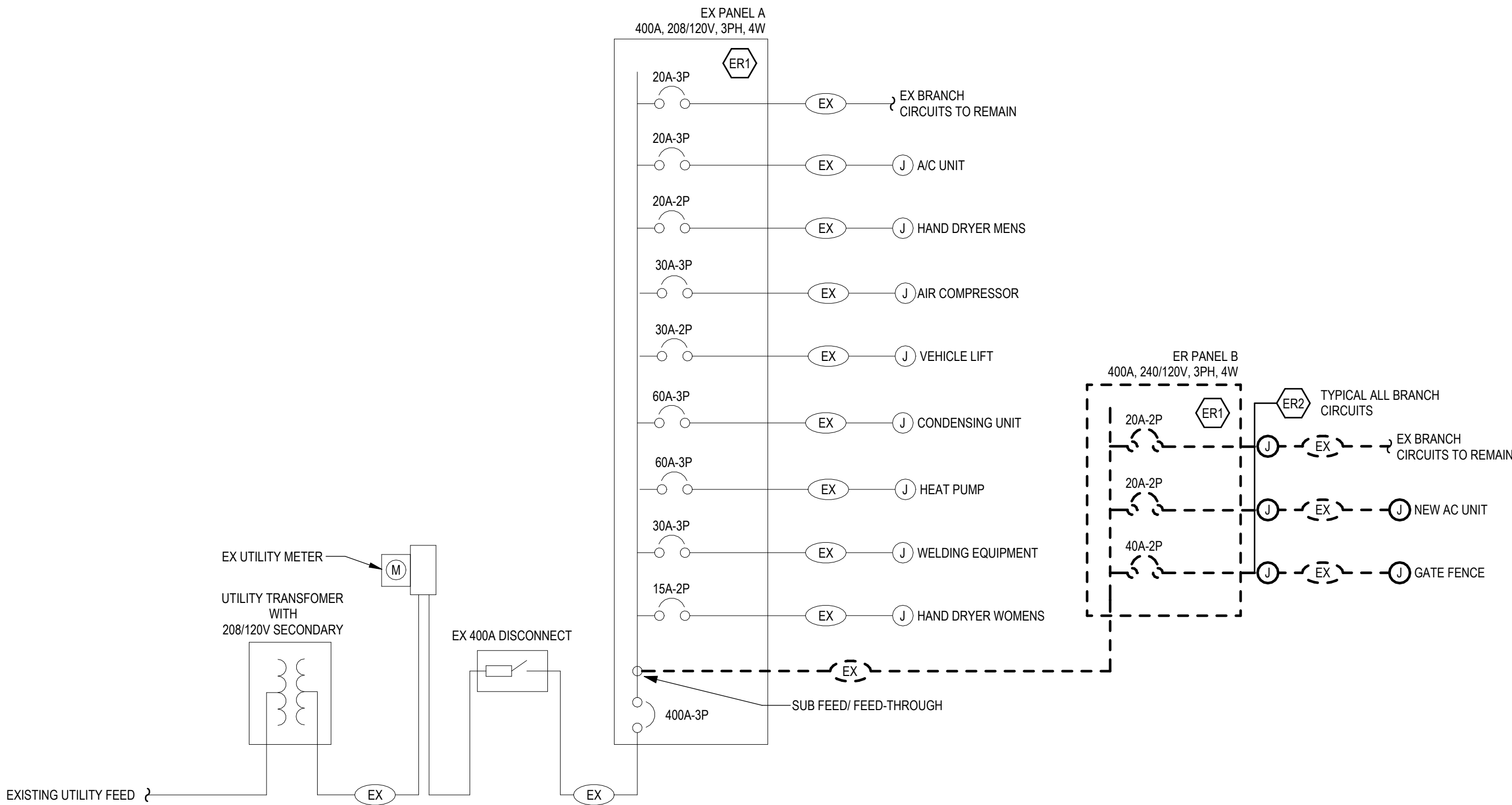
CONSULTANT FIRE ALARM: IMEG 623 26TH AVENUE, ROCK ISLAND, IL 61201 309.781.3770 LOW VOLTAGE/SECURITY: IMEG 623 26TH AVENUE, ROCK ISLAND, IL 61201 309.781.3770 IRRIGATION: AQUA ENGINEERING 300 BOARDWALK DRIVE, UNIT 49, FORT COLLINS, CO 80525 970.372.8104 GEOTECHNICAL: TERRACON 6460 HILLER STREET, SUITE A, EL PASO, TX 79925 915.778.5233 MATT SNYDER PETE MCGHEE JD LEONARD IVAN AVELAR		DESIGNER OF RECORD ANDERSON 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 18528		STAMP I hereby certify that this plan, specification, or report 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 Minnesota Print Name: Andrew T. Weber Signature: [Signature] Date: 06/15/2026 License # 52718		Office of Construction and Facilities Management U.S. Department of Veterans Affairs		Drawing Title MAINTENANCE BLDG - ELECTRICAL ROOF PLAN Approved:		Phase BID DOCUMENTS NOT SPRINKLERED		Project Title FT BLISS NATIONAL CEMETERY EXPANSION Location 5200 FRED WILSON AVENUE, EL PASO, TEXAS Issue Date JUNE 15, 2026 Checked ATW Drawn DIL		Project Number 886CM3026 Building Number 3003 Drawing Number 3003-E-411 130 of 155	
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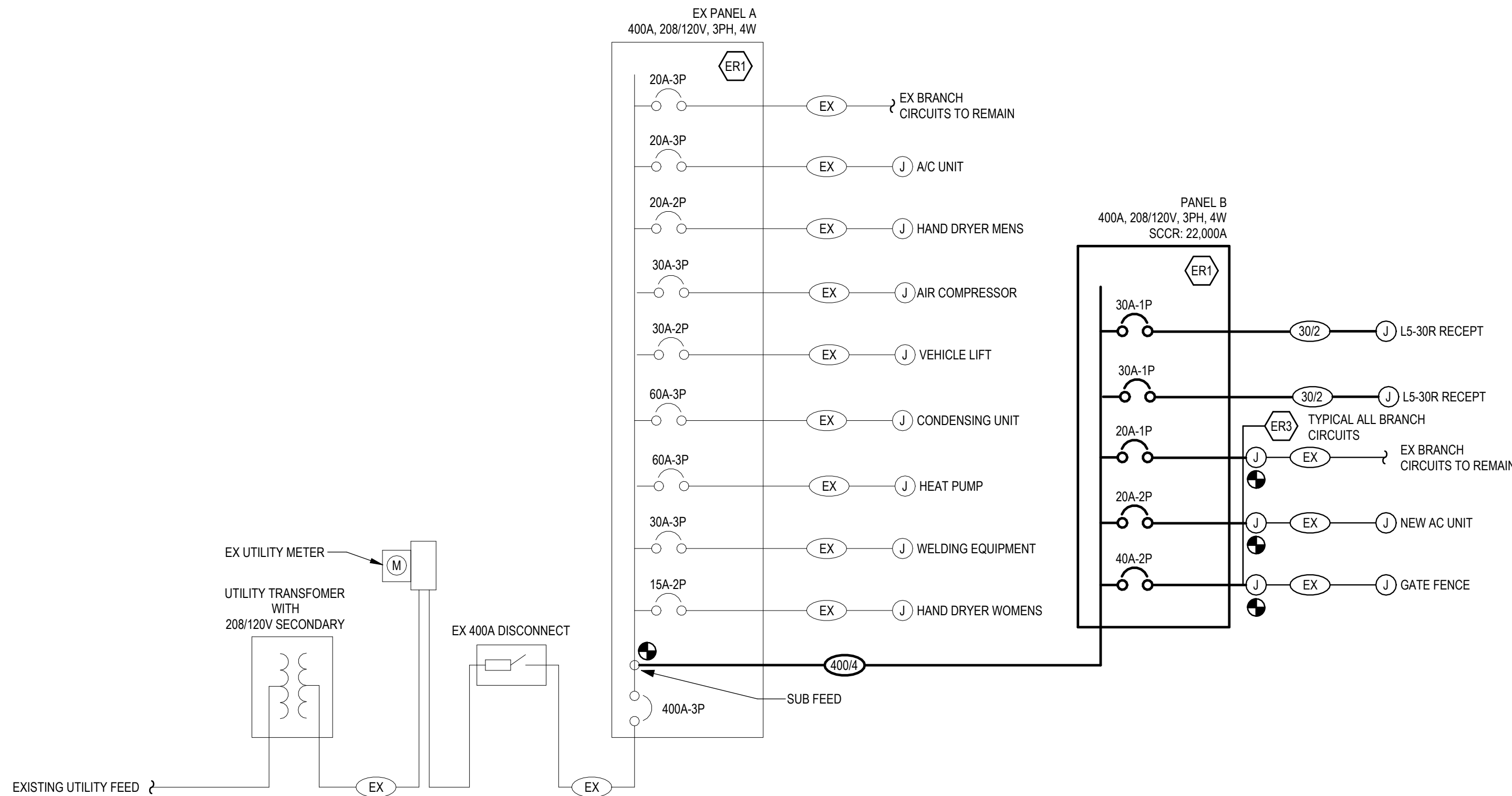
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12

LIGHTING FIXTURE SCHEDULE									
TYPE	BOD MANUFACTURER	MODEL NUMBER	DESCRIPTION	LAMP/CCT/CRI	CONTROL	DELIVERED LUMENS	WATTS	VOLTS	
FA	LITHONIA	CLX-L48-4000LM-SEF-FDL-WD-MVOLT-GZ10-35K-80CRI-WH	48" LED Linear w/ Standard efficiency. Flat diffuse lens. Wide distribution. White finish. Provide accessories required for suspended installation. Coordinate final suspension height and location with all trades. BAA and BABA Compliant.	LED/3500K/80	0-10V 10%	4,236	25.5	MVOLT	



1 ONE-LINE DIAGRAM - DEMO



2 ONE-LINE DIAGRAM - NEW

Panelboard: PANEL A														
Location: EXISTING OFFICE/ELEC 33 Supply: Mounting: Surface Enclosure: NEMA 1					Voltage: 208 V, 3Ø, 4W					Mains Type: MLO				
					Bus Rating: 400 A					Mains Rating: 400 A				
					Neutral: 100%					Mains FN/Note: -				
Feed-Thru Lugs: Yes Features & Modifications: -					SCCR: 10 kA									
NOTES: EXISTING EATON PANELBOARD TYPE PRL-1A.														
Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt		
A-1	MAINT LIGHT	20	1	E	0	0			E	1	20	WATER FOUNTAIN	A-2	
A-3	MAINT LIGHT	20	1	E		0	0		E	1	20	GENERAL RECEIPT	A-4	
A-5	MAINT LIGHT	20	1	E			0	0	E	2	15	HAND DRYER WOMANS	A-6	
A-7	BREAK ROOM LIGHT	20	1	E	0	0	0		E	3	30	WELDING EQUIPMENT	A-8	
A-9	BATH LIGHT	20	1	E		0	0		E	3	30	WELDING EQUIPMENT	A-10	
A-11	BAY 2 LIGHT	20	1	E			0	0	E	3	30	WELDING EQUIPMENT	A-12	
A-13	STOCKPOK LIGHT	20	1	E	0	0	0		E	3	30	WELDING EQUIPMENT	A-14	
A-15	OUTSIDE LIGHT	20	1	E		0	0		E	3	30	WELDING EQUIPMENT	A-16	
A-17	OUTSIDE LIGHT	20	1	E			0	0	E	3	60	HEAT PUMP	A-18	
A-19	OUTSIDE LIGHT	20	1	E	0	0	0		E	3	60	HEAT PUMP	A-20	
A-21	GENERAL LIGHT	20	1	E			0		E	3	60	HEAT PUMP	A-22	
A-23	EXISTING LOAD	20	1	E			0	0	E	3	60	CONDENSING UNIT	A-24	
A-25	VEHICLE LIFT	30	2	E	0	0			E	3	60	CONDENSING UNIT	A-26	
A-27	GARAGE DOOR	20	1	E		0	0	0	E	1	20	Spare	A-28	
A-29	GARAGE DOOR	20	1	E		0	0	0	E	3	30	AIR COMPRESSOR	A-30	
A-31	GARAGE DOOR	20	1	E	0	0	0		E	3	30	AIR COMPRESSOR	A-32	
A-33	OUTSIDE BREAK LIGHTS	20	1	E		0	0	0	E	1	20	UNIT HEATER	A-34	
A-35	GARAGE DOOR	20	1	E				0	E	1	20	UNIT HEATER	A-36	
A-37	GARAGE DOOR	20	1	E	0	0	0		E	3	20	A/C UNIT	A-38	
A-39	HAND DRYER MENS	20	2	E		0	0	0	E	3	20	A/C UNIT	A-40	
A-41	HAND DRYER MENS	20	2	E					E	3	20	A/C UNIT	A-42	
Connected Load:					9 kVA	9 kVA	1 kVA	(Includes load connected via feed-thru lugs.)						
Connected Current:					82 A	82 A	8 A							
Load Classification					Connected	Factor	Demand							
Other					17360 VA	100.00%	17360 VA							
Receptacle - General					1080 VA	100.00%	1080 VA							
					</									

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ELECTRICAL DEMOLITION
GENERAL NOTES

1.

DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND FIELD OBSERVATION. ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.

2.

ALL REQUIRED DEMOLITION MAY NOT BE INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.

3.

REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL EQUIPMENT TO BE REMOVED.

4.

MAINTAIN FIRE RATINGS OF WALLS AND FLOORS AFFECTED BY DEMOLITION.

5.

REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.

LIGHTING DEMOLITION PLAN KEYED NOTES

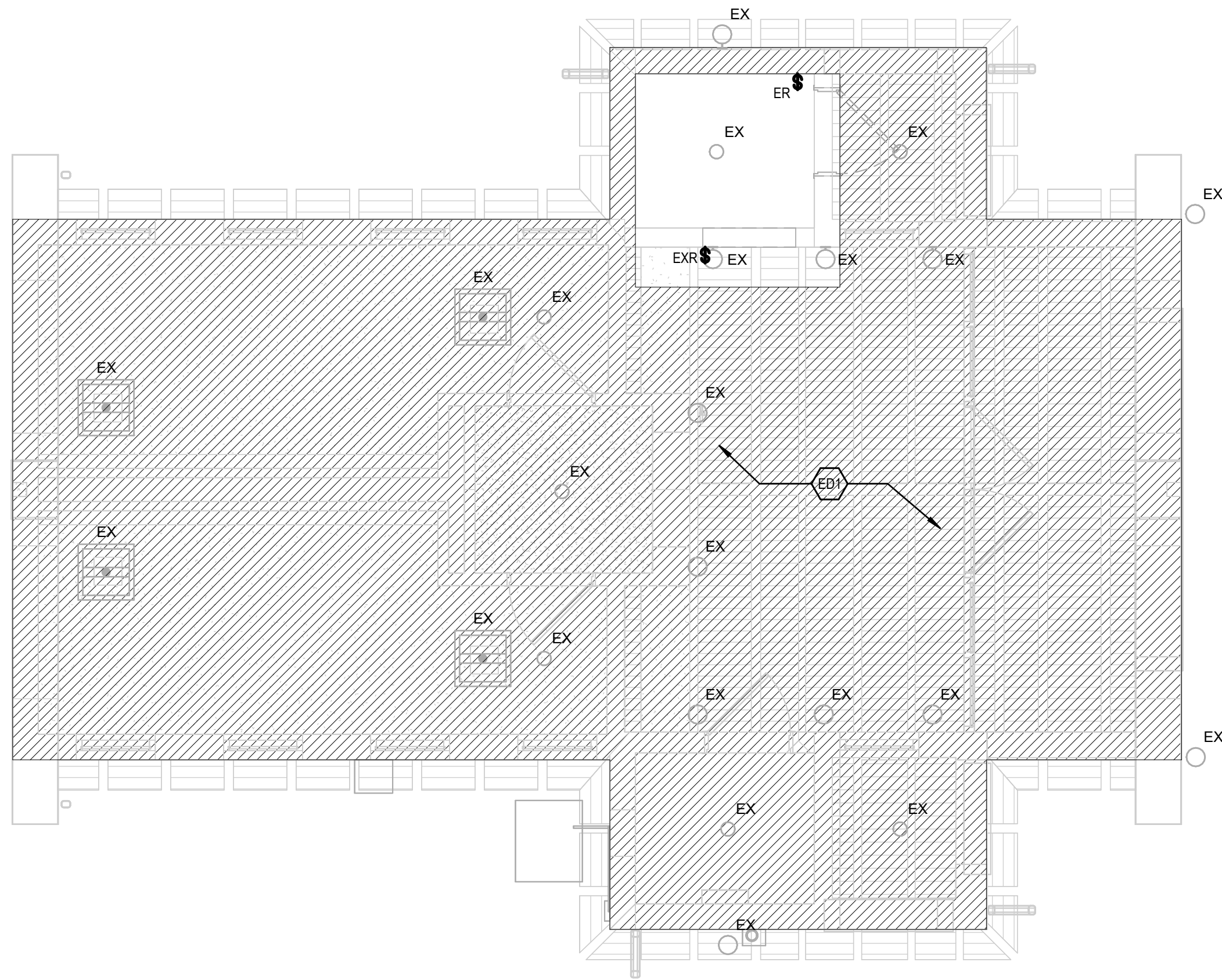
ED1

NO ELECTRICAL DEMOLITION SCOPE IN THIS AREA.

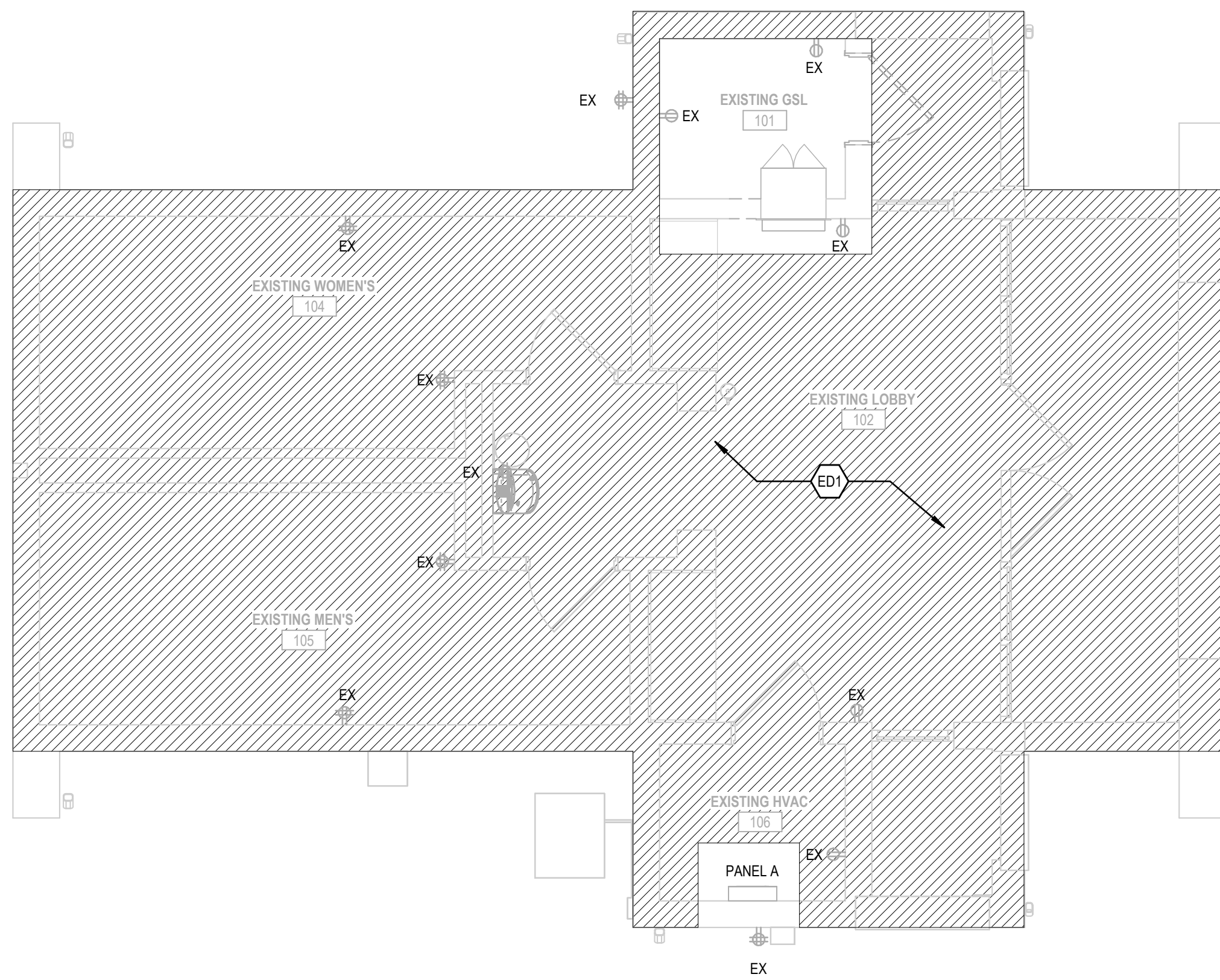
ED2

DISCONNECT POWER TO EXISTING WALL SCONCE, REMOVE, STORE, AND PROTECT FOR DURATION OF ARCHITECTURAL SCOPE. PREPARE TO REINSTALL IN NEW LOCATION AS SHOWN ON NEW WORK PLAN.

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN



1 LIGHTING DEMOLITION PLAN
1/4" = 1'-0"



2 POWER DEMOLITION PLAN
1/4" = 1'-0"

BASE BID
BID DOCUMENTS

Revisions: Date:	CONSULTANT FIRE ALARM: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770 LOW VOLTAGE/SECURITY: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770 IRRIGATION: AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT 49 FORT COLLINS, CO 80525 970.372.8104 GEOTECHNICAL: TERRACON 6460 HILLER STREET SUITE A EL PASO, TX 79925 915.778.5233 MATT SNYDER PETE MCGHEE JD LEONARD IVAN AVELAR				DESIGNER OF RECORD ANDERSON 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 18528				STAMP I hereby certify that this plan, specification, or report 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 Minnesota Print Name: Andrew T. Weber Signature: <i>Andrew T. Weber</i> Date: 06/15/2026 License #: 52718	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title PIC/RESTROOM - ELECTRICAL DEMOLITION PLANS Approved:	Phase BID DOCUMENTS NOT SPRINKLERED	Project Title FT BLISS NATIONAL CEMETERY EXPANSION Location 5200 FRED WILSON AVE, EL PASO, TX Issue Date JUNE 15, 2026 Checked ATW Drawn DIL	Project Number 886CM3026 Building Number 3004 Drawing Number 3004-ED111 132 of 155

LIGHTING CONTROL - SEQUENCE OF OPERATION			
TAG	ACTIVATION	DECEIPTION	SCHEDULE
A	MANUAL ON/OFF	MANUAL LINE VOLTAGE TOGGLE SWITCH	N/A

Panelboard: PANEL A

Location: EXISTING HVAC 106

Supply:

Mounting: Surface

Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W

Bus Rating: 250 A

Neutral: 100%

Feed-Thru Lugs: No

Features & Modifications: -

Mains Type: MCB

Mains Rating: 225 A

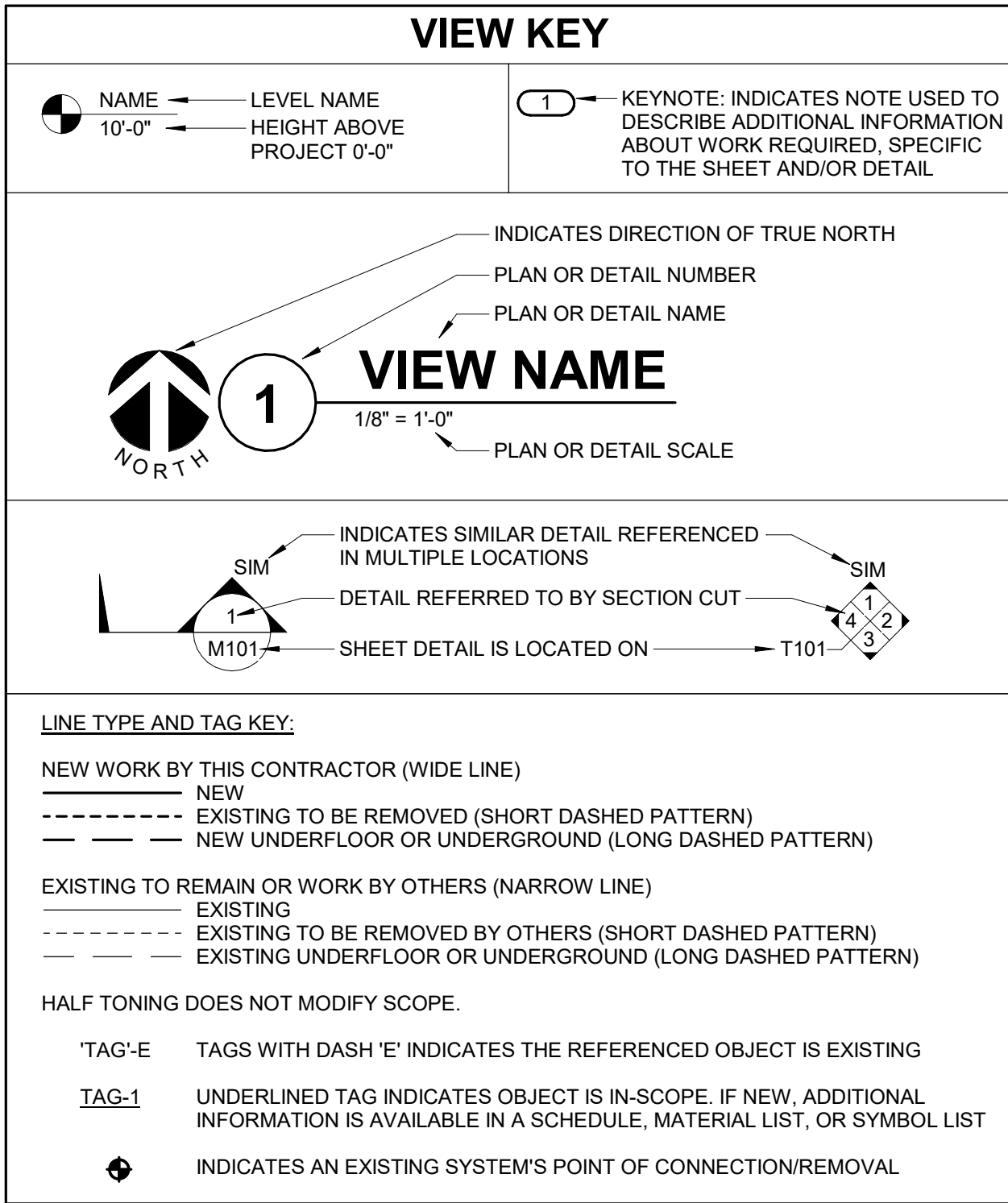
Mains FNNote:

SCCR: 10 kA

NOTES: EXISTING PANELBOARD TYPE PRL-1A

Ckt	Description	Trip (A)	Poles	FNNote	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FNNote	Poles	Trip (A)	Description	Ckt
A-1	LIGHTING	20	1	E	0	0		E	1	20	COMPUTER GFI RECEPITS	A-2
A-3	RESTROOMS LIGHTING	20	1	E		0	0	E	1	20	OUTSIDE GFI RECEPITS	A-4
A-5												A-6
A-7	OUTSIDE/INSIDE SITTING LIGHTS	20	1	E	0	0		E	1	20	RESTROOM GFI RECEPITS	A-8
A-9	FIRE CONTROL	20	1	E		0	0	E	1	20	WATER FOUNTAIN	A-10
A-11												A-12
A-13	WATER HEATER	20	1	E	0	0		E	1	20	GFI	A-14
A-15							0	E	1	20	NEW HEAT PUMP	A-16
A-17												A-18
A-19	ER #2	20	1	E	0	0		E	1	20	EXHAUST FAN	A-20
A-21	CONTROLLER #2	20	1	E		0	0	E	1	20	CONTROLLER #3	A-22
A-23												A-24
A-25					0	0		E	2	60	REF. UNIT	A-26
A-27	WOMENS HAND DRYER	20	2	E		0	0					A-28
A-29												A-30
A-31					0	0		E	2	60	REF. UNIT	A-32
A-33	MENS HAND DRYER	20	2	E		0	0					A-34
A-35												A-36
A-37	FLAG POLE LIGHTS NORTH	20	1	E	0	0		E	2	15	MEN DYSON DRYER	A-38
A-39	FLAG POLE LIGHTS SOUTH	20	1	E		0	0					A-40
A-41												A-42
Connected Load:					0 kVA	0 kVA	0 kVA					
Connected Current:					0 A	0 A	0 A					
Load Classification		Connected		Factor		Demand						

[illegible]



FIRE / SMOKE BARRIER DESIGNATIONS

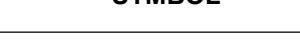
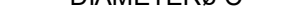
FIRE AND SMOKE SEPARATIONS ARE NOT SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL REVIEW THE ARCHITECTURAL PLANS AND DETERMINE THE LOCATIONS OF ALL FIRE AND SMOKE PARTITIONS, BARRIERS, AND WALLS. THIS INCLUDES FLOOR RATINGS. PRICING SHALL INCLUDE ALL MATERIALS AND LABOR REQUIRED TO MAINTAIN THE RATINGS OF ALL RATED SEPARATIONS, WHETHER SHOWN ON THE ENGINEERING PLANS OR NOT.

APPLICABLE CODES	
CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:	
BUILDING CODE:	IBC 2024 EDITION
FIRE CODE:	IFC 2024 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2023 EDITION
LIFE SAFETY CODE:	NFPA 101 2024 EDITION
LOCAL BUILDING CODE:	CURRENT EDITION

CONTRACTOR ABBREVIATION KEY	
ABBVR:	DESCRIPTION:
C.C.	CIVIL CONTRACTOR
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
G.C.	GENERAL CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR

CONTACT PERSONS:	
DESCRIPTION:	PERSON:
PROJECT MANAGER	PETE MCGHEE
FIRE ALARM	MATT SNYDER
TECHNOLOGY	PETE MCGHEE

TECHNOLOGY SYMBOL LIST			
SYMBOL	TAG	EQUIPMENT LIST ABBREVIATION	DESCRIPTION
	DPS	NA	ACCESS CONTROL DOOR (DOOR POSITION SWITCH)
	RIE	NA	ACCESS CONTROL DOOR / READER / INTERNAL REX HARDWARE / ELECTRONIC LOCKING HARDWARE
		AC-R1-W	SECURITY CREDENTIAL READER (WALL) TYPE 1
	AL1	ID-AL1-W	INTRUSION DETECTION AUDIBLE ALARM (WALL)
	GB1	ID-GB1-C	INTRUSION DETECTION GLASS BREAK (CEILING)
		ID-K1-W	INTRUSION DETECTION KEYPAD (WALL) TYPE 1
	MD1	ID-MD1-W	INTRUSION DETECTION MOTION DETECTOR (WALL)
 C#	C2-WAP#	SC-IO-C	INFORMATION OUTLET (CEILING)
 C#	C1	SC-IO-W	INFORMATION OUTLET (WALL)
	C2	SC-IO-W	INFORMATION OUTLET (WALL)
	C3	SC-IO-W	INFORMATION OUTLET (WALL)
	C4	SC-IO-W	INFORMATION OUTLET (WALL)
		SC-IO-W	INFORMATION OUTLET (WALL) EXISTING
	CM-1	VS-CM-1	VIDEO SURVEILLANCE CAMERA SINGLE LENS FOV (CEILING/HORIZONTAL SURFACE)

PATHWAY SYMBOL LIST:	
SYMBOL	DESCRIPTION
	CABLE TRAY, CHANNEL TRAY, BASKET TRAY
	LADDER RACK
	CONDUIT
	CONDUIT DOWN
	CONDUIT UP OR UP/DOWN
	CONDUIT SLEEVE
	CONTINUATION

- ## TECHNOLOGY SYMBOL LIST GENERAL NOTES:
- "C"IC INDICATES INFORMATION OUTLET FACELATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T600 FOR ADDITIONAL INFORMATION.
 - REFER TO ACCESS CONTROL, DOOR TYPE SCHEDULE ON T600 FOR ADDITIONAL INFORMATION.
 - "CM-F" ON FLOOR PLANS INDICATES CAMERA TYPE AND IS ASSOCIATED WITH THE CORRESPONDING "VS-CM-#" EQUIPMENT SCHEDULE ABBREVIATION. "###" SUBSCRIPT INDICATES FLOOR NUMBER-CAMERA NUMBER. REFER TO INDIVIDUAL CAMERA REQUIREMENT SCHEDULE FOR ADDITIONAL INFORMATION.
 - UNDERLINED SUBSCRIPTS NEXT TO SYMBOL INDICATES DEVICE TYPE. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE T600 FOR ADDITIONAL INFORMATION.

TECHNOLOGY ABBREVIATION KEY	
ABBR:	DESCRIPTION:
AFB	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE ABOVE FINISHED GRADE
BFC	BELOW FINISHED CEILING
C	CONDUIT
DE	DELAYED EGRESS
DPDT	DOUBLE POLE DOUBLE THROW
FOV	FIELD OF VIEW
GFGI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
J-BOX	JUNCTION BOX
POE	POWER OVER ETHERNET
PTZ	PAN TILT ZOOM
SIM	SIMILAR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
+#	MOUNTING HEIGHT ABOVE FINISHED FLOOR
EF-#	ENTRANCE FACILITY
MC-#	MAIN CROSS-CONNECT
TR-#	TELECOMMUNICATIONS ROOM

SUGGESTED MATRIX OF RESPONSIBILITY				
ITEM:	SHOWN ON: T-SERIES	FURNISHED BY: E.C.	INSTALLED BY: E.C.	NOTES: 3.4.
TECHNOLOGY ROUGH-IN, REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION				
INFORMATION OUTLET FLAGEPLATES, JACKS, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.C.	E.C.	
CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	NIA	T.C.	T.C.	2.4.
TELECOMMUNICATION SYSTEMS ROUGH-IN	T-SERIES	E.C.	E.C.	1.
TELECOMMUNICATION EQUIPMENT, CABLING, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CABLE TRAY (INCLUDING WIRE BASKET TRAY): REFER TO SPECIFICATION SECTION 27 05 36 FOR DEFINITION	T-SERIES	E.C.	E.C.	
LADDER RACK	T-SERIES	T.C.	T.C.	5.
GROUNDING LUGS ON TECHNOLOGY EQUIPMENT	T-SERIES	T.C.	E.C.	6.
BONDING SYSTEM FOR TECHNOLOGY SYSTEM, REFER TO SPECIFICATION SECTION 27 05 26 FOR DEFINITION	T-SERIES	E.C.	E.C.	7.8.
CONNECTION OF TECHNOLOGY BONDING SYSTEM TO THE ELECTRICAL GROUND SYSTEM	T-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (+120V OR GREATER)	E-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	NIA	T.C.	E.C.	2.4.
LINE VOLTAGE POWER FOR DOOR HARDWARE POWER SUPPLIES	ARCH SPEC	E.C.	E.C.	
LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS	T-SERIES	T.C.	T.C.	
CABLE HANGERS AND SUPPORTS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	T.C.	T.C.	5.
TECHNOLOGY SERVICE ENTRANCE CONDUITS, HANDHOLES, AND MANHOLES	C-SERIES	E.C.	E.C.	
FLOOR BOX (ROUGH-IN)	T & E SERIES	E.C.	E.C.	

- ## SUGGESTED MATRIX OF RESPONSIBILITY NOTES
1. LOCATIONS OF TELECOMMUNICATIONS ROUTINGS SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOLS ON THE DRAWINGS. REFER TO THE TECHNOLOGY SYMBOL LIST FOR INFORMATION.
 2. BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
 3. INCLUDES BACKBOXES AND CONDUIT REQUIRED FOR THE TECHNOLOGY SYSTEMS INSTALLATION. THE E.C. SHALL BASE THE BID ON THE BASIS OF DESIGN SHOWN ON THE CONTRACT DOCUMENTS.
 4. ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS, AND POWER REQUIRED BECAUSE OF DIFFERENCES IN THE EQUIPMENT OR AN ALTERNATE ACCEPTABLE MANUFACTURER OR FROM SYSTEM CONFIGURATIONS THAT ARE LEFT TO THE CHOICE OF THE CONTRACTOR SHALL BE INCLUDED IN THE C.T.'S BID. THIS BID SHALL INCLUDE INSTALLATION BY A LICENSED ELECTRICIAN.
 5. UNLESS TRADE RULES DICTATE OTHERWISE.
 6. FURNISHED AS PART OF THE EQUIPMENT WHEN POSSIBLE, OR FURNISHED TO THE E.C. FOR INSTALLATION IN THE FIELD.
 7. INCLUDES ALL CONDUCTORS, GROUND BARS, AND TERMINATIONS FOR THE COMPLETE BONDING SYSTEM REQUIRED BY THE SPECIFICATIONS.
 8. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF PANELS AND SWITCHBOARDS SHOWN IN THE TECHNOLOGY BONDING RISER DIAGRAM AND TYPICAL TELECOM ROOM BONDING FLIGHT DIAGRAM.

TECHNOLOGY SHEET INDEX	
T000	TECHNOLOGY COVERSHEET
2101 - T0101	ADMIN BLDG - BASEMENT TECHNOLOGY DEMOLITION PLAN
2101 - T0101	ADMIN BLDG - FIRST LEVEL TECHNOLOGY DEMOLITION PLAN
2101 - T1011	ADMIN BLDG - BASEMENT TECHNOLOGY PLAN
2101 - T1011	ADMIN BLDG - FIRST LEVEL TECHNOLOGY PLAN
2003 - T1011	MAINTENANCE BLDG - FIRST LEVEL TECHNOLOGY DEMOLITION PLAN
2003 - T1111	MAINTENANCE BLDG - FIRST LEVEL TECHNOLOGY PLAN
3004 - T1111	PIC/RESTROOM BLDG - FIRST LEVEL TECHNOLOGY PLAN
T300	TECHNOLOGY ENLARGED PLANS
T301	TECHNOLOGY ENLARGED PLANS
T400	TECHNOLOGY DETAILS
T401	TECHNOLOGY DETAILS
T500	TECHNOLOGY DIAGRAMS
T501	TECHNOLOGY DIAGRAMS
T600	TECHNOLOGY SCHEDULES
GRAND TOTAL: 15	

TELECOM ROOM REFERENCES		
TELECOM ROOM	DETAIL / SHEET REFERENCE	FLOOR PLAN REFERENCE
TE/1	1/2101 - TN111	3/T300
TE/2	1/3003 - TN111	3/T301

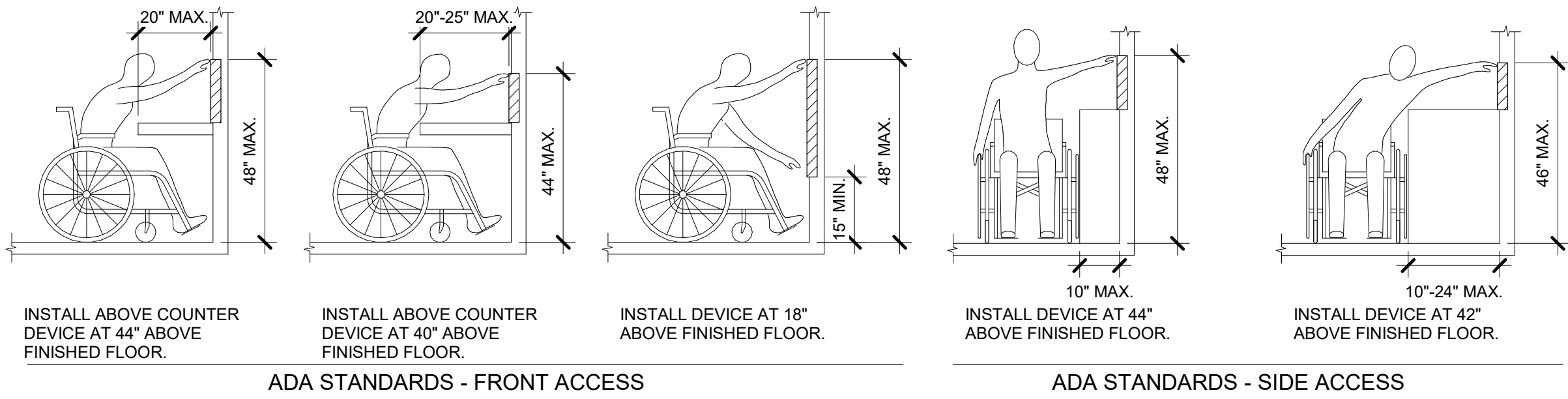
- ## TECHNOLOGY GENERAL NOTES:
1. **##-###-#** INDICATES TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABREVIATION"
 2. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.
- TECHNOLOGY MOUNTING SUBSCRIPT KEY:
- A MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
 - H MOUNT ABOVE HORIZONTALLY
 - L MOUNT IN CASEWORK
 - M MOUNT IN MODULAR FURNITURE
 - S MOUNT IN SURFACE RACEWAY
- A SLASH IS USED BETWEEN TWO SUBSCRIPTS, E.G., A/H.
3. REFER TO THE TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.
 4. REFER TO DIAGRAMS ON SHEET(S): T500, T501.

- ## TECHNOLOGY INSTALLATION NOTES:
1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATION DETAILS ON THIS PAGE FOR ADDITIONAL INFORMATION.
 2. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC. PROVIDE SUFFICIENTLY LARGE HOLES IN WALLS OR IN THE CEILING, CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT NOTIFICATIONS MAY BE EXPOSED ON THE EXTERIOR OF THE BUILDING.
 3. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. BOXES ON THE SAME SIDE OF WALLS SHALL BE OFFSET 12" BUT NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
 4. VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH THE ARCHITECT, PLUMBING AND ELECTRICAL CONTRACTORS PRIOR TO MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION. ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
 5. PROVIDE ELEVATED TELECOMMUNICATIONS EDUCATION EQUIPMENT WITH LOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN WRITING BY THE DESIGN CONTRACTOR.
 6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE TIME OF THE WORK. THE CONTRACTOR, ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
 7. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE APPROVED IN WRITING BY THE DESIGN CONTRACTOR. ALL TESTS OF WALLS AND FLOORS THROUGH-PENETRATION FIRESTOPPS, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
 8. PROVIDE SUFFICIENTLY LARGE HOLES IN WALLS, PARTITIONS, ABOVE CEILING, AND REPLACEMENT OF THE CEILINGS, CEILING TIES, AND CEILING GRID ASSOCIATED WITH THE AREAS OF WORK BY ALL CONTRACTORS.
 9. PROVIDE SUFFICIENTLY LARGE CABLE TRAY SIZES AS ARE DEFINED ON THE DRAWINGS. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE FOR APPROVED MANUFACTURERS AND INSTALLATION REQUIREMENTS. REFER TO THE SPECIFICATIONS FOR MORE INFORMATION.
 10. PROVIDE REPAIRS FOR ALL DAMAGE TO EXISTING WALLS, PARTITIONS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE SHALL BE RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
 11. FLUSH MOUNT ALL TELECOMMUNICATION OUTLETS AT +0'8" FROM FLOOR CENTERLINE. PROVIDE A RECEPT WHEN NOT OTHERWISE NOTED. OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
 12. MOUNT BACKBOXES FLUSH WITH WALL. ALL BACKBOX HEIGHTS ARE TO CENTERLINE.
 13. PROVIDE OTHER MOUNTING METHODS AS SPECIFIED ON THE DRAWINGS.
 14. PROVIDE RACEWAY AND BOXES LISTED FOR THE INSTALLED ENVIRONMENT. SEAL RACEWAY AND BOX FROM WATER AND MOISTURE AT TRANSITION BETWEEN DIFFERENT ENVIRONMENTAL CONDITIONS SUCH AS INTERIOR/EXTERIOR, TEMPERATURE CHANGES, ETC.

1. THE EXISTING VA NETWORK TO REMAIN OPERATIONAL DURING THE INSTALLATION OF THE NEW TELECOMMUNICATIONS ENCLOSURE, THE SYSTEM SHALL NOT BE DISRUPTED UNLESS COORDINATED IN ADVANCE WITH THE OWNER AND ENGINEER AND AT THEIR DISCRETION ON DATE AND TIME.
2. REFER TO THE DRAWINGS FOR THE LOCATIONS OF THE NEW COMMUNICATIONS AND SECURITY HEADEND EQUIPMENT AND THE EXISTING COMMUNICATIONS AND SECURITY HEADEND EQUIPMENT EQUIPMENT LOCATIONS.

- ## TECHNOLOGY OUTSIDE PLANT NOTES
1. THE LOCATION OF THE CONDUIT, HAND HOLES AND/OR MAINTENANCE HOLES SHOWN ARE APPROXIMATE LOCATIONS. FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIVATE AND/OR PUBLIC PRIOR TO THE INSTALLATION OF THE COMPONENT. FIELD COORDINATE THE FINAL LOCATION WITH THE OWNER AND ENGINEER PRIOR TO INSTALLATION.
 2. THE LOCATE EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THERE SHALL BE INCLUDED IN THE CONTRACTOR'S BID. CONTRACTOR IS RESPONSIBLE FOR THE FINAL PLACEMENT OF HAND HOLES AND/OR MAINTENANCE HOLES AND SHALL NOTIFY THE ENGINEER OF FINAL LOCATIONS PRIOR TO INSTALLATION.
 3. ALL CONDUITS SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE GROUND LINE.
 4. REMOVAL AND REPLACEMENT OF THE EXISTING UNDERGROUND UTILITIES THAT ARE IN THE HAND HOLES AND/OR MAINTENANCE HOLES SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
 5. CONTRACTOR SHALL INCLUDE IN THEIR BID ANY REMOVAL AND REPLACEMENT OF EXISTING UNDERGROUND CEMENT OR GROUT. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE NEW CONDUITS SHOWN ON THE DRAWINGS. IF TREES ARE REQUIRED TO BE REMOVED THE CONTRACTOR SHALL CONTACT THE OWNER AND DISCUSS OPTIONS FOR REMOVAL AND DOWNING OF TREES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NO ADDITIONAL COST SHALL BE APPLIED FOR PLACING CONDUITS DEEPER THAN REQUIRED MINIMUM DEPTH TO AVOID EXISTING UNDERGROUND UTILITIES.
 6. PROVIDE A MINIMUM OF 25'-0" SLACK LOOP WITHIN EACH HAND HOLES AND/OR MAINTENANCE HOLES. SLACK LOOP SHALL BE 1/2" OR 3/4" COPPER OR FIBER IS NOT RESTING ON EARTH AFTER FINAL INSTALLATION.
 7. ALL UNDERGROUND CONDUITS SHALL BE ENCASED IN CONCRETE. CONTRACTOR SHALL SUBMIT A DETAILED CONCRETE PLAN TO COR FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

- # TECHNOLOGY DEMOLITION NOTES
1. THE DRAWINGS INDICATE EXISTING ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
 2. ALL EXISTING WIRING, CONDUIT, AND CABLES SHALL BE REMOVED AND NOT REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL. THE OWNER DOES NOT WANT TO REUSE OR RETAIN, (i.e., FOR REUSE OR RECYCLING) PURPOSES.
 3. EXISTING TO REMAIN DEVICES WITHIN OR ADJACENT TO THE PATH OF CONSTRUCTION SHALL BE PROTECTED IN PLACE. DEVICES THAT MUST BE REMOVED SHALL BE TESTED FOR PROPER REMOVAL. PROTECT REMAINING DEVICES FROM DAMAGE TO ITS ORIGINAL LOCATION DURING THE NEW CONSTRUCTION PHASE OF THE PROJECT.
 4. OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF THE POWER TO ANY EQUIPMENT OR SYSTEMS. POWER TO ALL SYSTEMS SHALL BE KEPT ON. ANY CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.
 5. ALL EXISTING WALLS TO BE REMOVED. EXISTING WALLS ARE BEING REMOVED WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE, AND PLUG. WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, AND BUSHINGS TO BE REMOVED.
 6. COORDINATE ALL WORK WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING EQUIPMENT AND INSTALLING NEW ITEMS.
 7. ALL EXISTING CONDUIT IN GOOD CONDITION SHALL BE RELOCATED IN PLACE. RELOCATING EXISTING CONDUIT SHALL NOT BE ALLOWED. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO ASSURE PROPER GROUND PATH.
 8. EQUIPMENT REMOVAL IN THE FIELD OF THE LOCATION OF THE REMOVAL OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTENSION OF CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT. ALL REMOVED WIRING SHALL HAVE ALL CONNECTED WIRING REMOVED TO THE SOURCE.
 9. DEVICES NOT TO BE REMOVED SHALL BE PROTECTED FROM THE ENVIRONMENT, AND ALL CONDUIT AND CABLES TO BE REMOVED SHALL BE PROTECTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY INTERRUPTIONS TO PROTECTED DEVICES.



ADA STANDARDS FOR ACCESSIBLE DESIGN

[illegible]

CONSULTANT

<u>FIRE ALARM:</u>	<u>LOW VOLTAGE/SECURITY:</u>	<u>IRRIGATION:</u>	<u>GEOTECHNICAL:</u>
IMEC 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.1370	IMEC 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.1370	ADA ENGINEERING 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.8104	TERRACON 6460 HILLER STREET SUITE A EL PASO, TX 79925 915.788.5233
MATT SNYDER	PETE MCGRHEE	JO LEONARD	IVAN AVELAR

DESIGNER OF RECORD

ANDERSON

13605 1st Ave. N., #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 18528

STAMP

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BICS ID # 140865
EXPIRES 27-31-26

Peter McGhee
RCDD

Office of
Construction
and Facilities
Management

VA | U.S. Department
of Veterans
Affairs

Drawing Title
TECHNOLOGY COVERSHEET
Approved:

Phase	BID DOCUMENTS
	NOT SPRINKLERED

Project Title			Project Number		
FT BLISS NATIONAL CEMETERY EXPANSION			886CM3026		
Location			Building Number		
5200 FRED WILSON AVE, EL PASO, TX			2101		
Issue Date		Checked	Drawn		T000 135 of 155
JUNE 15, 2026		PETMCG	RICWHI		

1. DEMOLISH ALL CABLES CONNECTED TO WALL MOUNTED EQUIPMENT RACK BACK TO SOURCE. A NEW TELECOM ROOM WITH NEW EQUIPMENT WILL BE BUILT ON THE LEVEL ABOVE. COORDINATE WITH GOVERNMENT IT DEPARTMENT REGARDING CUTOVER PHASING TO TELECOM ROOM BEFORE DEMOLITION OF EXISTING DEVICES.
2. EXISTING SERVICE PROVIDER CABLING AND EQUIPMENT.



ADM
1/4" = 1'-0"

 $1/4 = 1/0$

A FORM 08 - 6231									
1	2	3	4	5	6	7	8	9	10

A

B

C

D

E

F

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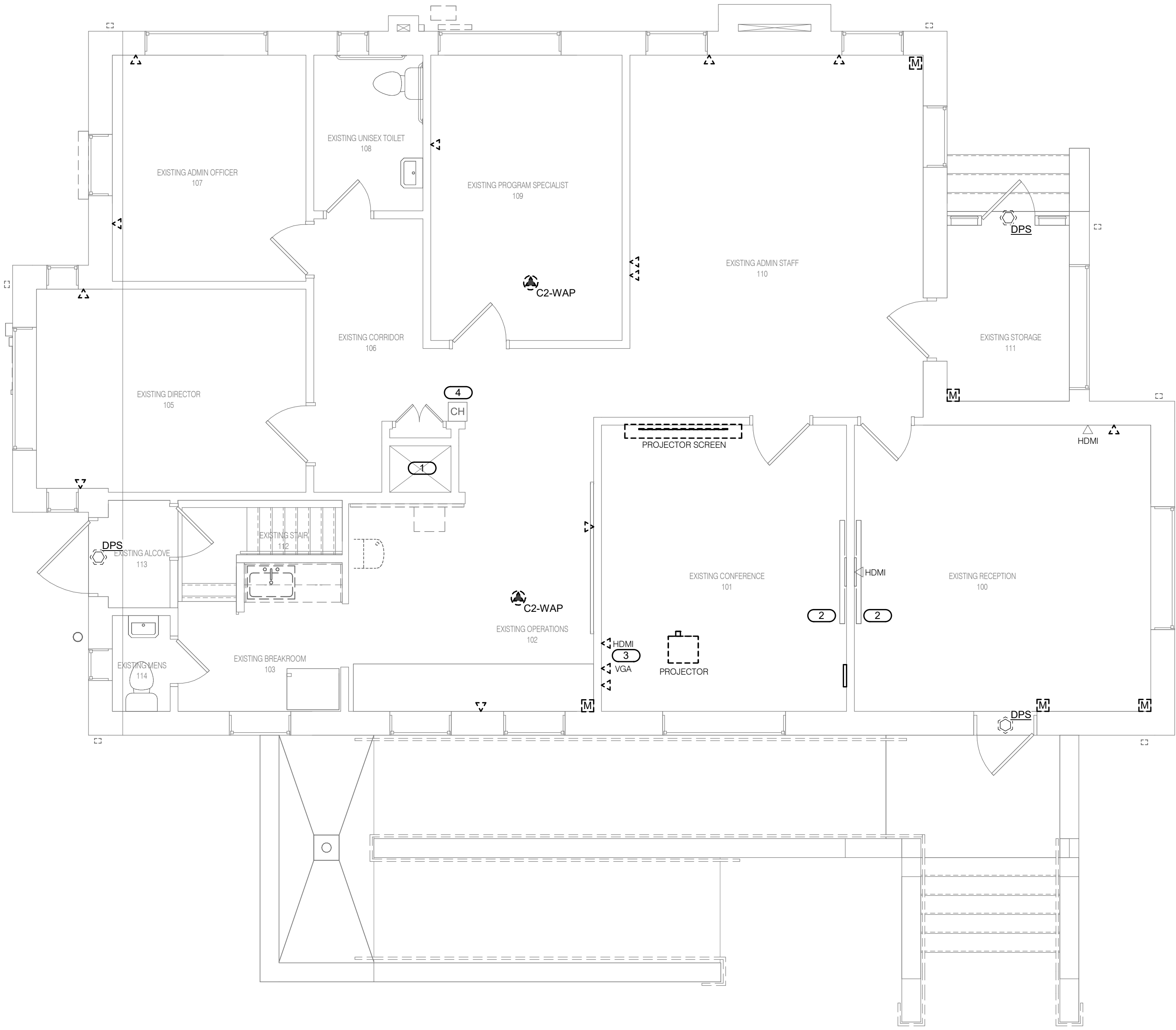
- SHEET NOTES:
1. REMOVE ALL LOW VOLTAGE CABLING AND DEVICES BACK TO ITS SOURCE AND REMOVE ALL EQUIPMENT. COORDINATE WITH VA OIT FOR THE REMOVAL OF ALL TELEPHONE AND NETWORK EQUIPMENT PRIOR TO CABLE REMOVAL.

2. EXISTING ROUGH-IN TO REMAIN AND BE USED. REFER TO 1/TN111 FOR ADDITIONAL INFORMATION.
- KEYNOTES:
1. EXISTING MECHANICAL CHASE.

2. REMOVE DISPLAY AND MOUNT FROM WALL. REINSTALL DURING NEW CONSTRUCTION.

3. EXISTING AV OUTLETS ROUTED TO CEILING PROJECTOR.

4. EXISTING DOOR BELL CHIME TO REMAIN.



1

ADMIN BLDG - FIRST LEVEL TECHNOLOGY DEMOLITION PLAN

1/4" = 1'-0"

BASE BID
BID DOCUMENTS

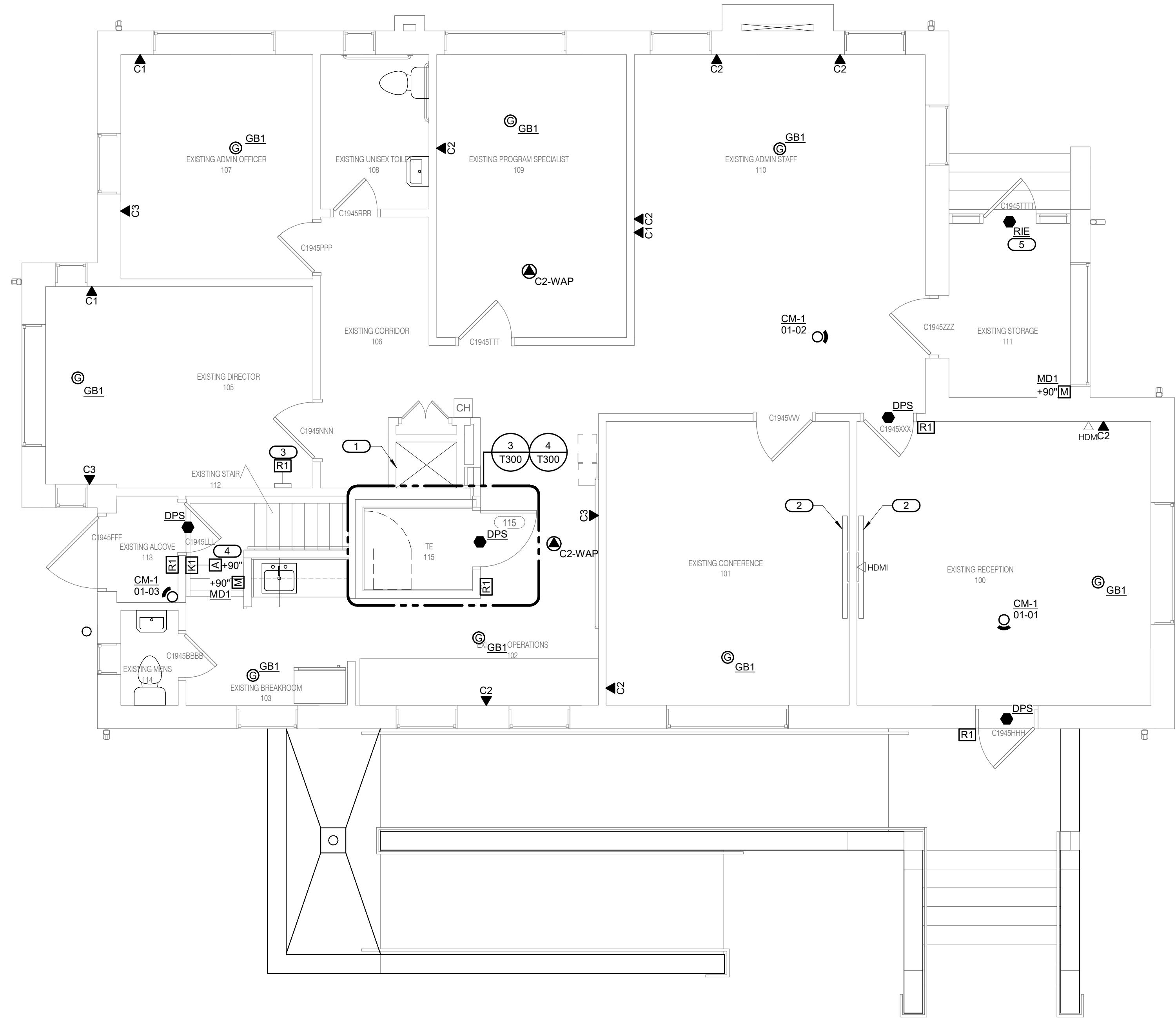
		CONSULTANT		DESIGNER OF RECORD		STAMP	Office of Construction and Facilities Management		Drawing Title	Phase	Project Title		Project Number	
		FIRE ALARM: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		LOW VOLTAGE/SECURITY: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		IRRIGATION: AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.8104		GEOTECHNICAL: TERRACON 6460 HILLER STREET SUITE A EL PASO, TX 79925 915.778.9233		ADMIN BLDG - FIRST LEVEL TECHNOLOGY DEMOLITION PLAN	BID DOCUMENTS	FT BLISS NATIONAL CEMETERY EXPANSION		886CM3026
		MATT SNYDER		PETE MCGHEE		JD LEONARD		IVAN AVELAR		Approved:	NOT SPRINKLERED	Location 5200 FRED WILSON AVE, EL PASO, TX		Building Number 2101
		Revisions:		Date:		13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 18528		Bicsi Peter McGhee BICSI ID # 140865 EXPRES 2/21-25 RCDD				Issue Date JUNE 15, 2026		Drawing Number 2101 - TD111 137 of 155
								U.S. Department of Veterans Affairs				Checked PETMCG		Drawn RICWHI

F

1/4" = 1'-0"

VA FORM 08 - 6231

- SHEET NOTES:**
1. INSTALL NEW OUTLETS IN EXISTING ROUGH-IN BOX UNLESS NOTED OTHERWISE.
 2. REFER TO 1/T400 FOR ABOVE CEILING INFORMATION OUTLET MOUNTING DETAIL.
 3. REFER TO 1/T401 FOR TECHNOLOGY ROUGH-IN TO J-HOOK DETAIL.
- KEYNOTES:**
1. EXISTING MECHANICAL CHASE.
 2. REINSTALL DISPLAY AND MOUNT COLLECTED DURING DEMOLITTOON PHASE. MOUNT THE DISPLAY AT THE ORIGINAL INSTALLATION HEIGHT.
 3. CARD READER MOUNTED TO KEYBOX TO MONITOR ACCESS. COORDINATE FINAL LOCATION OF KEYBOX AND CARD READER WITH VA STAFF.
 4. INSTALL AUDIBLE ALARM DEVICE ABOVE KEYPAD.
 5. EXTEND CONDUIT FROM DEVICE TO ABOVE ACCESSIBLE CEILING. USE JUNCTION BOXES WHERE TOTAL NUMBER OF CABLE BENDS EXCEEDS 180 DEGREES.



 **1** **ADMIN BLDG - FIRST LEVEL TECHNOLOGY PLAN**
1/4" = 1'-0"

BASE BID
BID DOCUMENTS

		CONSULTANT				DESIGNER OF RECORD				STAMP		Office of Construction and Facilities Management VAU.S. Department of Veterans Affairs		Drawing Title ADMIN BLDG - FIRST LEVEL TECHNOLOGY PLAN		Phase BID DOCUMENTS		Project Title FT BLISS NATIONAL CEMETERY EXPANSION		Project Number 886CM3026			
		FIRE ALARM: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		LOW VOLTAGE/SECURITY: IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		IRRIGATION: AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT #8 FORT COLLINS, CO 80525 970.372.8104		GEOTECHNICAL: TERRACON 6460 HILLER STREET SUITE 4 EL PASO, TX 79925 915.778.5233		REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER  Peter McGhee BICSI ID # 140865 EXPIRES 12-31-25  RCDD				Approved:		NOT SPRINKLERED		Location 5200 FRED WILSON AVE, EL PASO, TX		Building Number 2101			
		MATT SNYDER		PETE MCGHEE		JD LEONARD		IVAN AVELAR						Issue Date JUNE 15, 2026				Checked PETMCG		Drawn RICWHI		Drawing Number 2101 - TN111 139 of 155	
Revisions:		Date:																					

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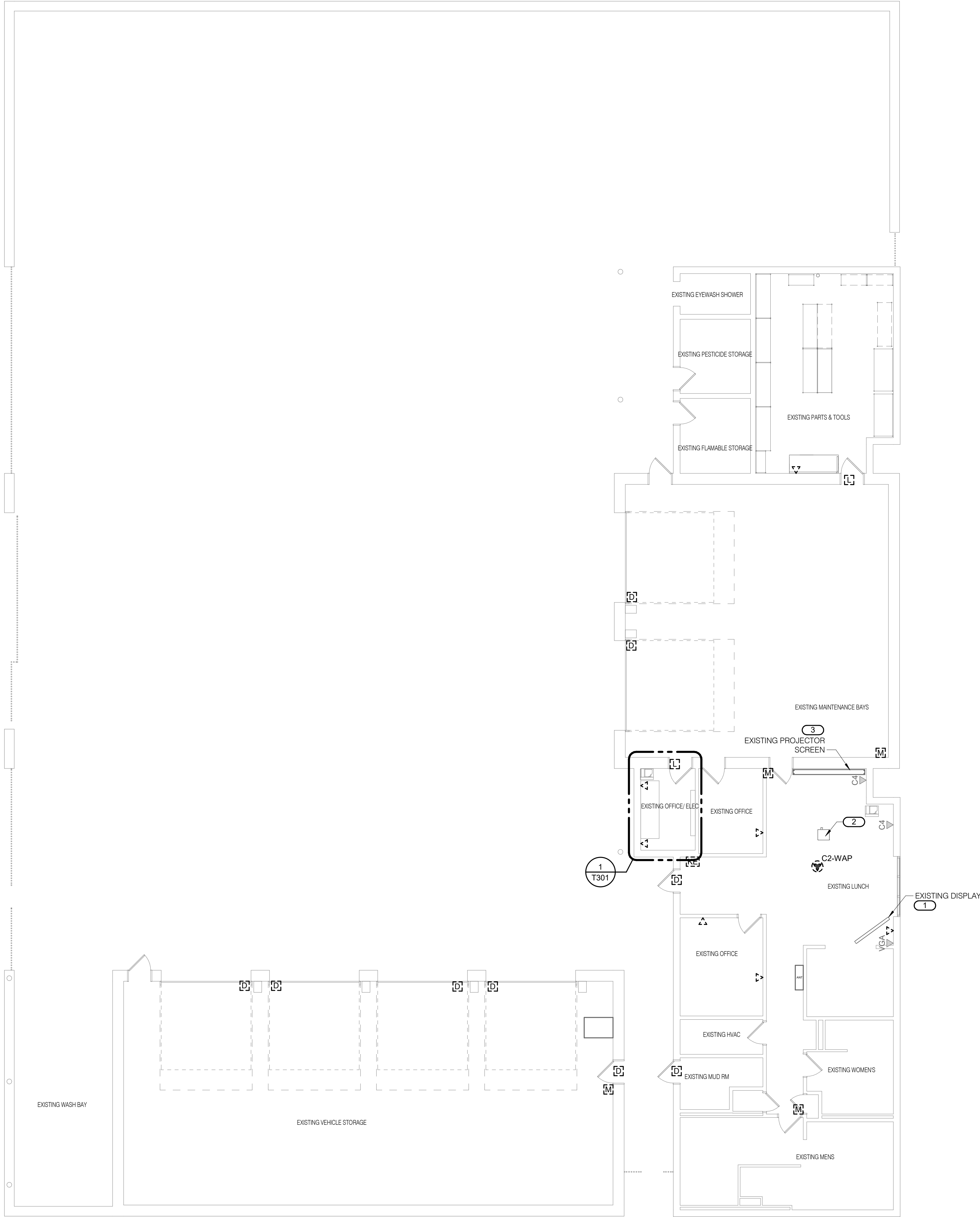
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- SHEET NOTES:**
1. REMOVE ALL LOW VOLTAGE CABLING AND DEVICES BACK TO ITS SOURCE AND REMOVE ALL EQUIPMENT. COORDINATE WITH VA OIT FOR THE REMOVAL OF ALL TELEPHONE AND NETWORK EQUIPMENT PRIOR TO CABLE REMOVAL.
2. EXISTING ROUGH-IN TO REMAIN AND BE USED. REFER TO 1/TN111 FOR ADDITIONAL INFORMATION.
- KEYNOTES:**
1. REMOVE DISPLAY AND MOUNT FROM WALL. REINSTALL DURING NEW CONSTRUCTION.
2. REMOVE CEILING MOUNTED PROJECTOR AND MOUNT FROM CEILING. REINSTALL DURING NEW CONSTRUCTION.
3. REMOVE EXISTING CEILING MOUNTED PROJECTOR AND MOUNT FROM CEILING. REINSTALL DURING NEW CONSTRUCTION.



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MAINTENANCE BLDG - FIRST LEVEL TECHNOLOGY DEMOLITION PLAN

1/8" = 1'-0"

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**BASE BID
BID DOCUMENTS**

		CONSULTANT <table><tr><td>FIRE ALARM:</td><td>LOW VOLTAGE/SECURITY:</td><td>IRRIGATION:</td><td>GEOTECHNICAL:</td></tr><tr><td>IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770</td><td>IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770</td><td>TERRACON 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.8104</td><td>TERRACON 6460 HILLER STREET SUITE 4 EL PASO, TX 79925 915.778.5233</td></tr><tr><td>MATT SNYDER</td><td>PETE MCGHEE</td><td>JD LEONARD</td><td>IVAN AVELAR</td></tr></table>				FIRE ALARM:	LOW VOLTAGE/SECURITY:	IRRIGATION:	GEOTECHNICAL:	IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770	IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770	TERRACON 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.8104	TERRACON 6460 HILLER STREET SUITE 4 EL PASO, TX 79925 915.778.5233	MATT SNYDER	PETE MCGHEE	JD LEONARD	IVAN AVELAR	DESIGNER OF RECORD ANDERSON 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 18528				STAMP SEAL REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi Pete McGhee BICSI ID # 140865 EXPIRES 12/31/26 RCDD		Office of Construction and Facilities Management VAU.S. Department of Veterans Affairs		Drawing Title MAINTENANCE BLDG - FIRST LEVEL TECHNOLOGY DEMOLITION PLAN Approved:		Phase BID DOCUMENTS NOT SPRINKLERED		Project Title FT BLISS NATIONAL CEMETERY EXPANSION Location 5200 FRED WILSON AVE, EL PASO, TX Issue Date JUNE 15, 2026 Checked PETMCG Drawn RICWHI		Project Number 886CM3026 Building Number 3003 Drawing Number 3003 - TD111 140 of 155	
FIRE ALARM:	LOW VOLTAGE/SECURITY:	IRRIGATION:	GEOTECHNICAL:																														
IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770	IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770	TERRACON 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.8104	TERRACON 6460 HILLER STREET SUITE 4 EL PASO, TX 79925 915.778.5233																														
MATT SNYDER	PETE MCGHEE	JD LEONARD	IVAN AVELAR																														
Revisions:		Date:																															

1. REINSTALL DISPLAY AND MOUNT COLLECTED DURING DEMOLITION PHASE. PROVIDE NEW HDMI PATCH CABLE FROM HDMI OUTLET ON DISPLAY TO HDMI WALL PLATE. PROVIDE AND INSTALL NEW ANTENNA TO SUPPORT LOCAL CHANNELS.
2. REINSTALL PROJECTOR AND MOUNT COLLECTED DURING DEMOLITION PHASE. PROVIDE NEW HDMI PATCH CABLE FROM PROJECTOR TO WALL PLATE.
3. REINSTALL PROJECTOR SCREEN COLLECTED DURING DEMOLITION PHASE.
4. REINSTALL SURFACE MOUNTED PROJECTOR.
5. INSTALL AUDIBLE ALARM DEVICE ABOVE KEYPAD.
6. REFER TO 47401 FOR DOOR SENSOR J-BOX ROUTING IN DETAIL.
7. SURFACE MOUNT DEVICE EXTEND DOWN FROM DEVICE TO ABOVE ACCESSIBLE CEILING JOINTS AND JOCKEYS WHERE TOTAL NUMBER OF CABLE BENDS EXCEEDS 180 DEGREES.

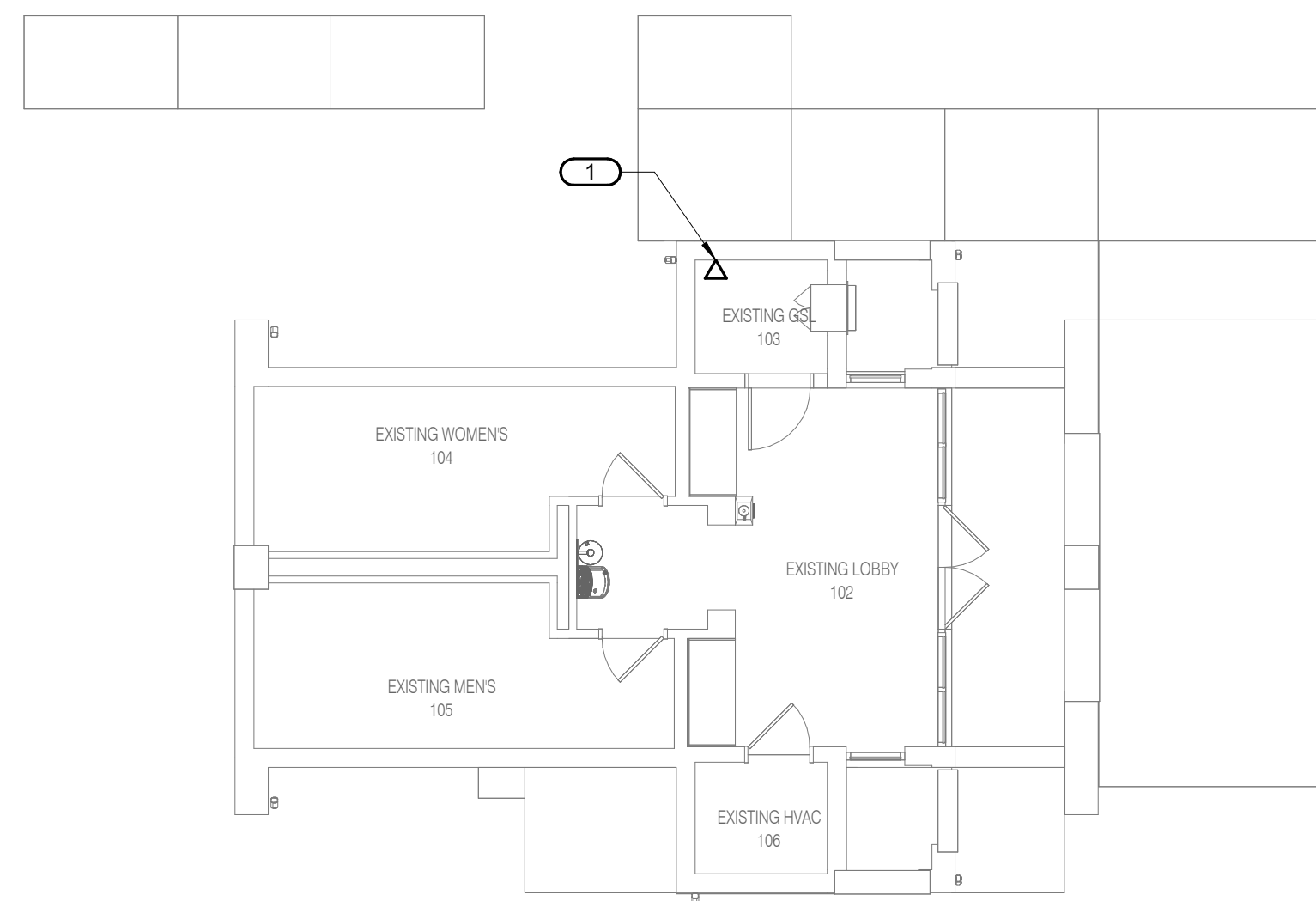


$1/8" = 1'-0"$

[illegible]

KEYNOTES:

1. PROVIDE NEW COPPER PATCH CORD TO CONNECT FROM EXISTING INFORMATION OUTLET TO RELOCATED GRAVE SITE LOCATOR.



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PIC/RESTROOM BLDG - FIRST LEVEL TECHNOLOGY PLAN

$$1/8'' = 1'-0''$$

CONSULTANT

FIRE ALARM:
IMEG
623 26TH AVENUE
ROCK ISLAND, IL 61201
309.781.3770

LOW VOLTAGE/SECURITY
IMEG
623 26TH AVENUE
ROCK ISLAND, IL 61201
309.781.3770

IRRIGATION:
AQUA ENGINEERING
300 BOARDWALK DRIVE
UNIT 4B
FORT COLLINS, CO 80521
970.372.6104

GEOTECHNICAL:
TERRACON
6460 HILLER STREET
SUITE A
EL PASO, TX 79925
915.778.5233

MATT SNYDER

PETE MCGHEE

JD LEONARD

IVAN AVELAR

DESIGNER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 18528

STAMP



Office of
Construction
and Facilities
Management



U.S. Department
of Veterans
Affairs

Drawing Title
PIC/RESTROOM BLDG - FIRST LEVEL TECHNOLOGY PLAN

Approved:

Phase	BID DOCUMENTS
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NOT SPRINKLERED

Project Title

FT BLISS NATIONAL CEMETERY EXPANSION

Location

5200 FRED W

Checked

PETMCG

Drawn

RICWHI

Project Number

886CM3026

Building Number	3004
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Drawing Number

3004 - TN111

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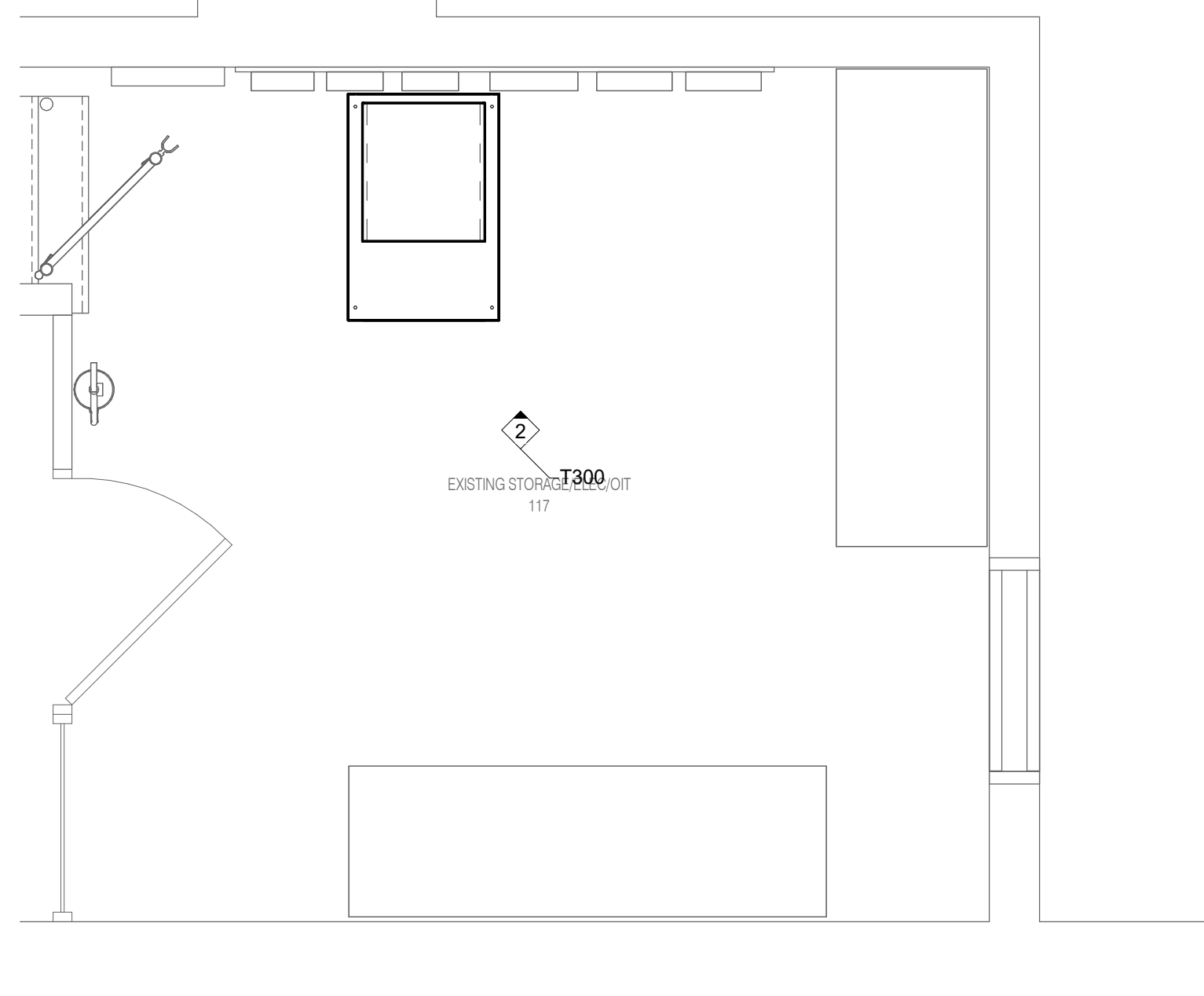
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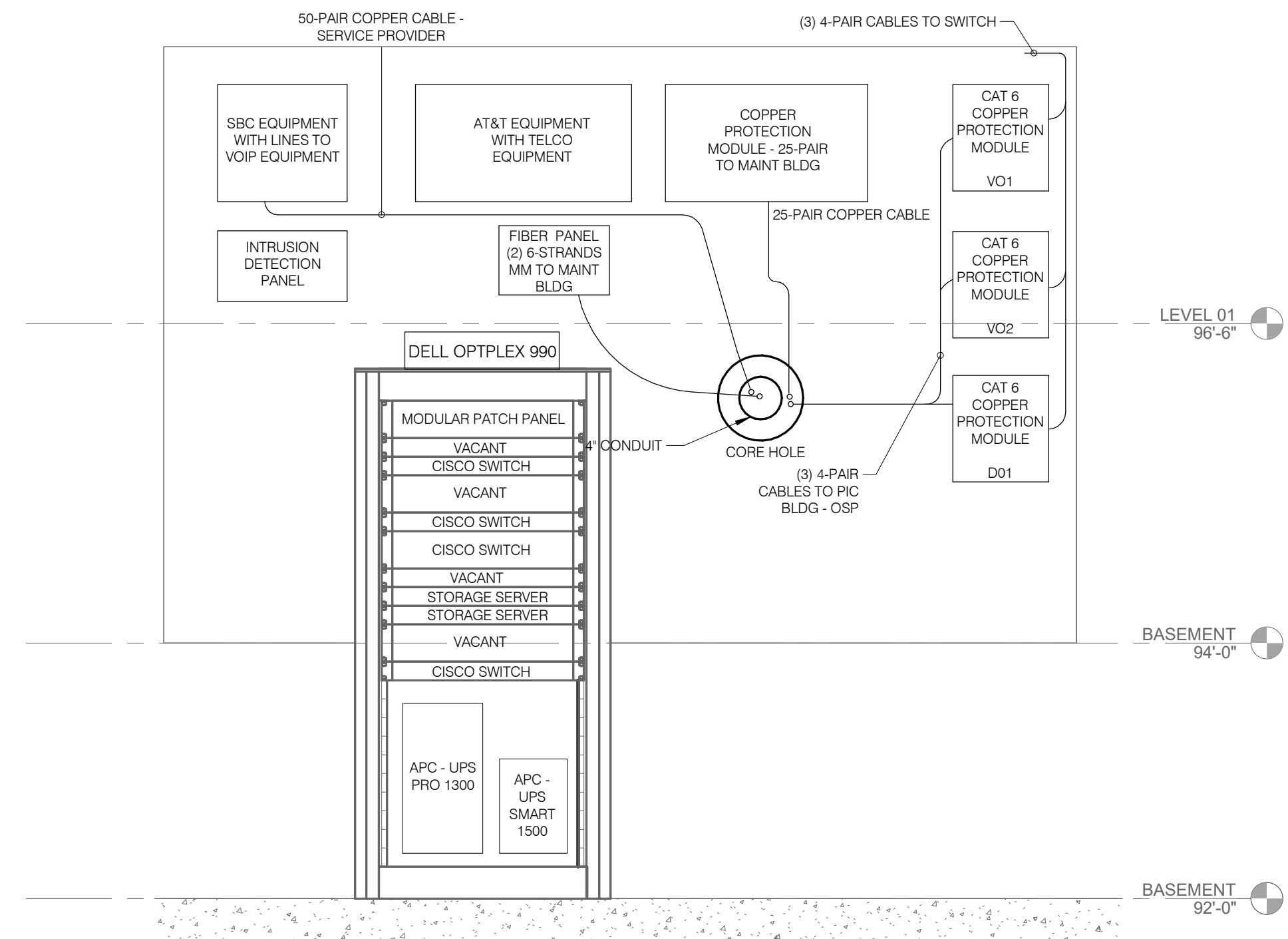
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1 EXISTING TELECOMMUNICATIONS ROOM EQUIPMENT LAYOUT - 117
1/2" = 1'-0"

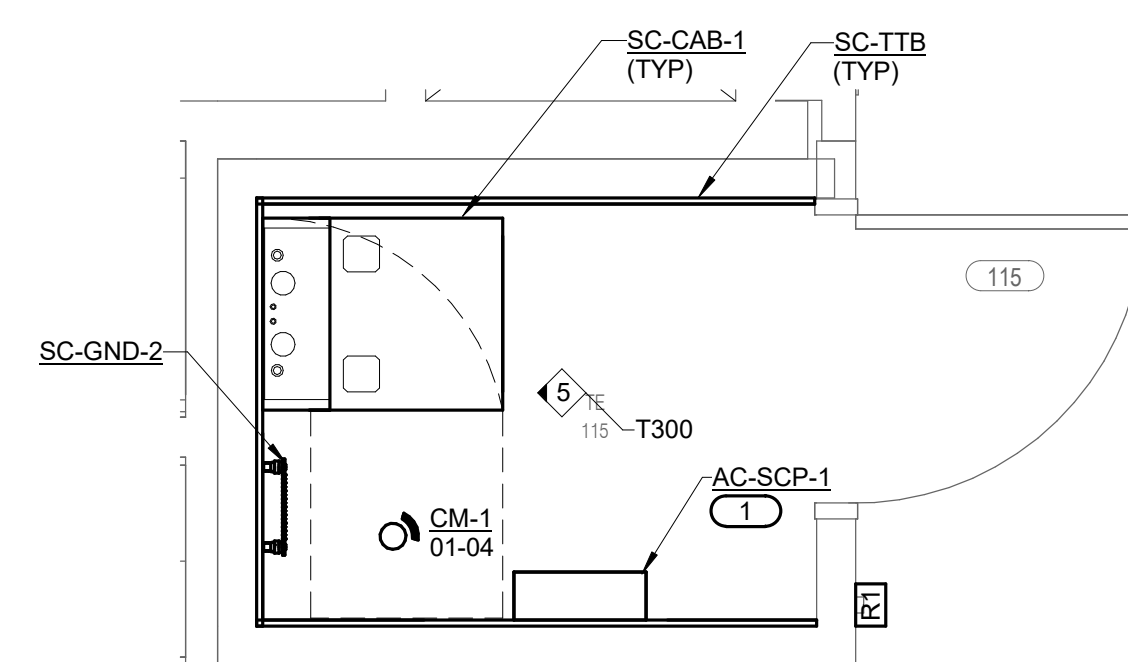


2 EXISTING TELECOMMUNICATIONS ROOM NORTH WALL ELEVATION - 117
1" = 1'-0"



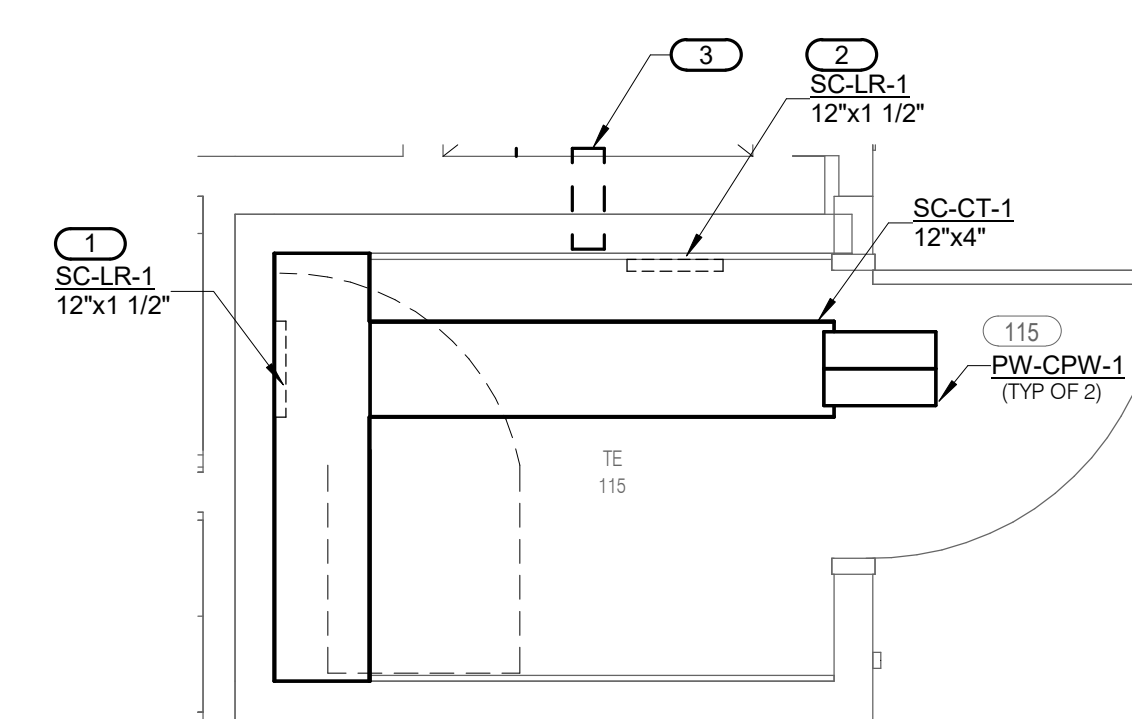
3 COMMUNICATIONS ROOM EQUIPMENT LAYOUT - TE/1
1/2" = 1'-0"

- KEYNOTES:**
- TOP SURFACE ELEVATION OF AC-SCP-1 TO BE AT +72" AFF.



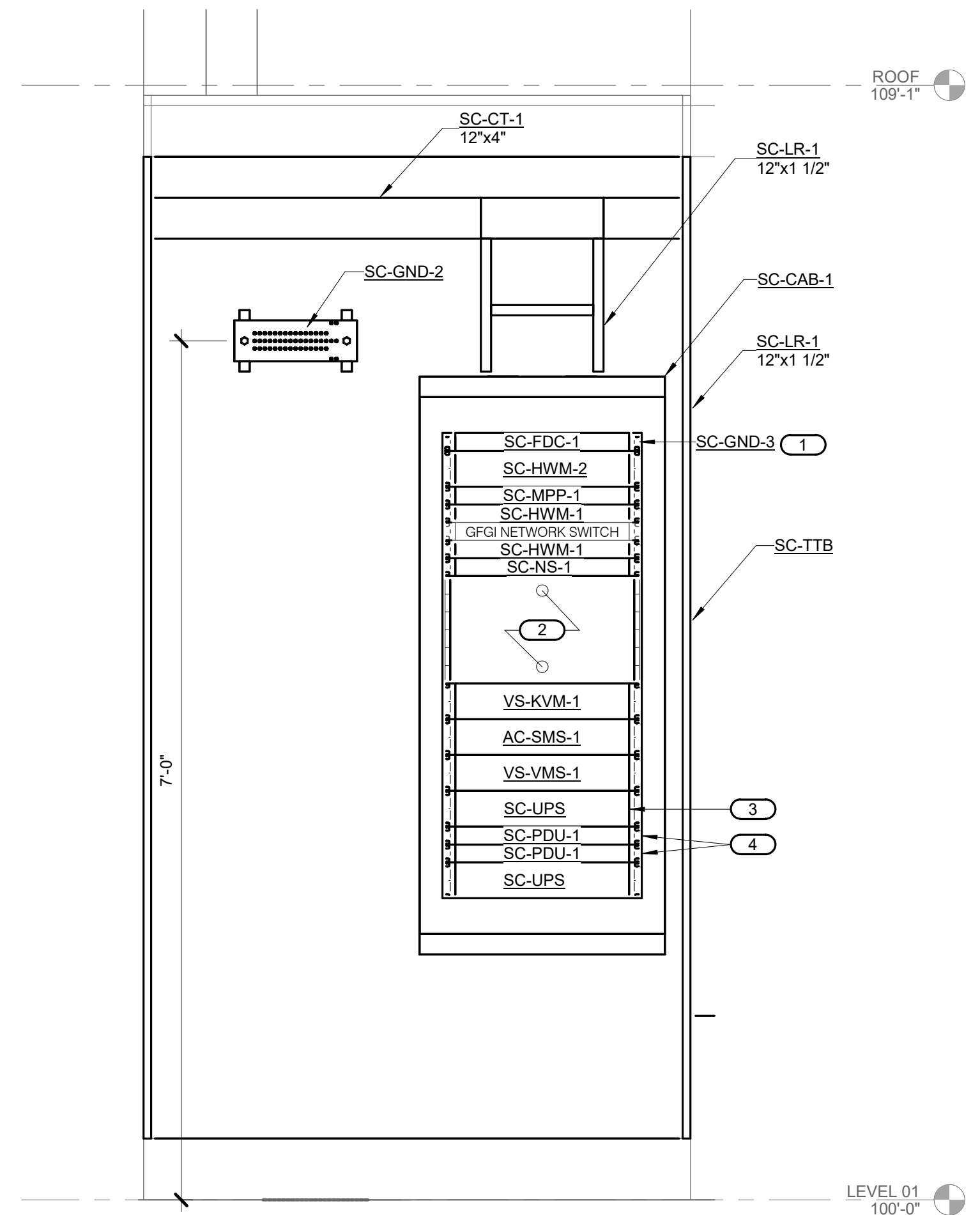
4 COMMUNICATIONS ROOM PATHWAY LAYOUT - TE/1
1/2" = 1'-0"

- KEYNOTES:**
- INSTALL LADDER RACK VERTICALLY ON WALL BETWEEN SC-CAB-1 TO TOP OF SC-CT-1 ABOVE. REFER TO 5/T300 FOR MORE INFORMATION.
 - INSTALL LADDER RACK VERTICALLY ON WALL FROM BASE OF TTB TO TOP OF SC-CT-1 ABOVE.
 - PROVIDE AND INSTALL ONE (1) 4" CONDUIT IN WALL FROM TE/1 INTO EXISTING MECHANICAL CHASE.



5 COMMUNICATIONS ROOM RACK LAYOUT - TE/1
1" = 1'-0"

- KEYNOTES:**
- SC-GND-3 TO BE MOUNTED ON REAR OF RACK AT TOP RACK MOUNTING LOCATION. REFER TO 5/T400 FOR MORE INFORMATION.
 - RACK SPACE RESERVED FOR FUTURE EQUIPMENT.
 - UPS RESERVED FOR SC-NS-1 VIDEO SURVEILLANCE, ACCESS CONTROL SERVERS, AND KVM. CONTRACTOR TO SIZE UPS PER SPECIFICATIONS AND PROVIDE FINAL PRODUCT SELECTION.
 - RACK MOUNT PDU. PDUs ARE SHOWN IN THE FRONT BUT ARE TO BE INSTALLED ON THE BACK OF THE RACK RAIL. CONNECT ONE PDU TO WALL POWER OUTLET. CONNECT ONE PDU TO UPS.



BASE BID
BID DOCUMENTS

		CONSULTANT		DESIGNER OF RECORD		STAMP		Office of Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number	
		FIRE ALARM:		LOW VOLTAGE/SECURITY:		IRRIGATION:		GEOTECHNICAL:		TECHNOLOGY ENLARGED PLANS		BID DOCUMENTS		FT BLISS NATIONAL CEMETERY EXPANSION		886CM3026	
		IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		IMEG 623 26TH AVENUE ROCK ISLAND, IL 61201 309.781.3770		AQUA ENGINEERING 300 BOARDWALK DRIVE UNIT 48 FORT COLLINS, CO 80525 970.372.8104		TERRACON 6460 HILLER STREET SUITE 4 EL PASO, TX 79925 915.778.5233		Approved:		NOT SPRINKLERED		Location		Building Number	
		MATT SNYDER		PETE MCGHEE		JD LEONARD		IVAN AVELAR						5200 FRED WILSON AVE, EL PASO, TX		2101	
		Revisions:		Date:		13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 18528		13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 18528						Issue Date		Checked	
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