







































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


SYMBOL SCHEDULE - FIRE ALARM	
SYMBOL	DESCRIPTION
	FIRE ALARM AUDIBLE VISUAL UNIT, WALL MOUNTED
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM HEAT DETECTOR

ELECTRICAL SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
	LIGHTING FIXTURE, SURFACE OR PENDANT (AS INDICATED); NORMAL
	LIGHTING FIXTURE, WALL MOUNTED; NORMAL
	LIGHTING FIXTURE, CEILING MOUNTED UNLESS NOTED OTHERWISE; NORMAL
	LIGHTING FIXTURE, WALL MOUNTED; NORMAL
	POLE MOUNTED LIGHTING FIXTURE, NUMBER OF HEADS AS INDICATED
	GROUND MOUNTED FLOOD LIGHT
	FIXTURE DESIGNATION INDICATES FIXTURE TYPE, LETTER INDICATES SWITCH ZONE WHERE APPLICABLE (APPLIES TO ALL FIXTURE TYPES)
	EMERGENCY LIGHTING BATTERY UNIT, NUMBER OF HEADS AS INDICATED
	REMOTE EMERGENCY LIGHTING HEAD, WALL MOUNTED, QUANTITY AS SHOWN
	PHOTOCELL, COORDINATE MOUNTING AND AIMING DIRECTION IN FIELD
S	SINGLE POLE SWITCH
	RECEPTACLE, SINGLE NEMA 5-20R, UNLESS NOTED OTHERWISE
	RECEPTACLE, DUPLEX NEMA 5-20R
	RECEPTACLES, TWO DUPLEX MOUNTED IN A DOUBLE GANG BOX (APPLIES TO ALL RECEPTACLE TYPES)
	INDICATES RECEPTACLE TO BE MOUNTED ABOVE COUNTER
	INDICATES GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	INDICATES MOUNTING HEIGHT OF RECEPTACLE, 18" AFF IF NOT NOTED
	NUMBER INDICATES SOURCE PANEL AND BREAKER, CONNECT ADJACENT DEVICES INDICATED ON SAME CIRCUIT. PROVIDE BRANCH CIRCUIT FROM DEVICE NEAREST PANEL TO PANELBOARD (APPLIES TO ALL RECEPTACLES AND JUNCTION BOXES)
	SPECIAL RECEPTACLE, NEMA CONFIGURATION AS INDICATED






SYMBOL SCHEDULE - SECURITY	
SYMBOL	DESCRIPTION
	FIXED CAMERA, CEILING MOUNTED, NUMBER OF LENSES AS INDICATED
	FIXED CAMERA, WALL MOUNTED, NUMBER OF LENSES AS INDICATED

SYMBOL SCHEDULE - TELECOM	
SYMBOL	DESCRIPTION
	WALL OUTLET, DATA - "Y" INDICATES QUANTITY OF JACKS, NO NUMBER INDICATES TWO JACKS.
	WIRELESS ACCESS POINT OUTLET, CEILING MOUNTED

ELECTRICAL SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
	MOTOR STARTER, MANUAL WITH OVERLOADS; "X" INDICATES NUMBER OF POLES, NO NUMBER INDICATES ONE POLE
	TRANSFORMER, FLOOR OR PAD MOUNTED UNLESS NOTED OTHERWISE
	JUNCTION BOX, WALL MOUNTED, RECESSED UNLESS NOTED
	JUNCTION BOX
	PULL BOX, SIZED AS REQUIRED
	GROUND ROD
	PANELBOARD - 120/208V, 3PH, 4W
	PANELBOARD - 277/480V, 3PH, 4W
	THERMOSTAT, LINE VOLTAGE
	CONNECT TO EXISTING
	POINT OF DISCONNECT
REFERENCE NUMBER  SHEET CROSS REFERENCE	
SECTION REFERENCE LETTER  DIRECTION OF VIEW SHEET CROSS REFERENCE	

ELECTRICAL LINETYPE KEY (APPLIES TO ALL ELECTRICAL SERVICES OR SYMBOLS)	
SYMBOL	DESCRIPTION
	HEAVY LINWEIGHT INDICATES PIPING AND EQUIPMENT TO BE FURNISHED UNDER THIS PROJECT
	THIN LINWEIGHT INDICATES PIPING AND EQUIPMENT THAT ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE
	DASHED LINWEIGHT INDICATES PIPING AND EQUIPMENT THAT ARE EXISTING TO BE REMOVED, UNLESS NOTED OTHERWISE

- GENERAL ELECTRICAL DEMOLITION NOTES
- EXISTING ELECTRICAL ITEMS SHALL REMAIN AND BE MAINTAINED IN SERVICE, UNLESS NOTED OTHERWISE.
  - VERIFY EXISTING CONDITIONS IN FIELD. DOCUMENT DISCREPANCIES BETWEEN INFORMATION SHOWN ON DRAWINGS AND ACTUAL FIELD CONDITIONS AND SUBMIT TO DESIGN PROFESSIONAL BEFORE COMMENCING WITH WORK.
  - DEMOLITION DRAWINGS INDICATE GENERAL DEMOLITION SCOPE AND INTENT OF DEMOLITION WORK REQUIRED. DEMOLITION DRAWINGS DO NOT PROVIDE EXACT QUANTITIES AND SPECIFIC TYPES OF MATERIALS AND EQUIPMENT TO BE REMOVED.
  - REFER TO DEMOLITION AND CONSTRUCTION DRAWINGS OF OTHER TRADES FOR ADDITIONAL CLARIFICATION OF DEMOLITION SCOPE. DISCONNECT AND MAKE SAFE ANY POWERED EQUIPMENT SCHEDULED FOR REMOVAL BY OTHER TRADES. REMOVE LINE VOLTAGE CONTROLS, WIRING, CONDUIT, AND ASSOCIATED ELECTRICAL ITEMS.
  - ONLY TRADE RESPONSIBLE FOR WORK OF DIVISIONS 26-28 SHALL PERFORM ELECTRICAL DEMOLITION WORK.
  - TRACE ENTIRETY OF ANY EXISTING CIRCUIT TO BE PARTIALLY REMOVED, BEFORE REMOVAL, MARK, LABEL OR TAG REMAINING PORTIONS OF THAT CIRCUIT INDICATING TYPE OF CIRCUIT (NORMAL, EMERGENCY, ETC.) AND AREA OR ITEMS SERVED.
  - EXISTING CONDUITS REMAINING IN PLACE MAY BE REUSED, PROVIDED CONDUIT IS IN SATISFACTORY CONDITION AND IS RUN IN DIRECT MANNER BETWEEN INTENDED SOURCE AND LOAD, THOROUGHLY CLEAN EXISTING CONDUITS BEFORE INSTALLATION OF WIRE.
  - DO NOT REUSE REMOVED CONDUIT AND WIRE.
  - WHERE EXISTING ELECTRICAL ITEM TO BE REMOVED IS LOCATED IN THE MIDDLE OF EXISTING CIRCUIT WITH OTHER EXISTING ITEMS ON THAT CIRCUIT TO REMAIN, MAKE REMAINING EXISTING CIRCUIT CONTINUOUS.
  - WHERE EXISTING ELECTRICAL ITEM TO BE REMOVED IS LOCATED AT THE END OF EXISTING CIRCUIT, REMOVE EXISTING WIRE AND EXPOSED CONDUIT BACK TO THE NEXT ACTIVE ITEM ON THAT CIRCUIT.
  - WHERE EXISTING ELECTRICAL ITEM TO BE REMOVED IS THE ONLY ITEM ON EXISTING CIRCUIT, REMOVE EXISTING WIRE AND EXPOSED CONDUIT BACK TO EXISTING PANELBOARD. LABEL ABANDONED EXISTING BREAKER AS SPARE AND REUSE EXISTING PANEL SCHEDULE ACCORDINGLY.
  - WHERE EXISTING CONDUIT RUN, OR PORTION OF AN EXISTING CONDUIT RUN, TO BE REMOVED IS PARTIALLY EXPOSED AND PARTIALLY CONCEALED, REMOVE EXPOSED PORTION TO CONCEALED POINT BEYOND THE SURFACE (WALL, CEILING, FLOOR, ETC), PATCH ADJACENT SURFACE, AND REFINISH TO MATCH SURROUNDINGS.
  - REQUIREMENTS FOR EXPOSED CONDUITS ALSO APPLY TO CONDUIT RUNS LOCATED ABOVE EXISTING ACCESSIBLE CEILINGS OR EXISTING CONDUIT RUNS THAT WILL BE LOCATED ABOVE ACCESSIBLE CEILINGS.
  - WHERE REMOVAL OF EXISTING WIRING, OR EXISTING ASSOCIATED WIRING, IS INDICATED ON THE DRAWINGS, INCLUDE REMOVAL OF ASSOCIATED RACEWAYS.
  - IN AREAS OF WORK (INCLUDING AREAS WHERE CEILINGS WILL BE REMOVED), REMOVE EXISTING EXPOSED UNUSED SYSTEMS CABLES IN THEIR ENTIRETY IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. VERIFY WITH UNIVERSITY THAT CABLES ARE UNUSED AND OBTAIN UNIVERSITY'S WRITTEN APPROVAL PRIOR TO REMOVAL.
  - SALVAGE AND TURN OVER ITEMS OF VALUE AS IDENTIFIED BY UNIVERSITY. LEGALLY DISPOSE OF EQUIPMENT AND MATERIAL THAT UNIVERSITY DOES NOT WISH TO RETAIN.

CABLES, RACEWAY AND WIRING SCHEDULE		
CABLES		
DESIG	TYPE	LOCATIONS ALLOWED
MC	METAL CLAD CABLE	EXTERIOR: NOT PERMITTED. INTERIOR: PERMITTED ONLY IN SPECIFIC AREAS AS DEFINED IN THE SPECIFICATIONS AND WITH WRITTEN PERMISSION OF UNIVERSITY.
RACEWAYS		
DESIG	TYPE	LOCATIONS ALLOWED
ERMC	RIGID METAL CONDUIT	EXTERIOR: EXPOSED, CONCEALED ABOVEGROUND. INTERIOR: EXPOSED LESS THAN FOUR FEET (4') AFF, AREAS SUBJECT TO PHYSICAL DAMAGE, UNDERGROUND BENEATH CONCRETE SLABS, HAZARDOUS LOCATIONS, CABLING OVER 600V, FIRE PUMP ROOM.
FMC	FLEXIBLE METAL CONDUIT	EXTERIOR: NOT PERMITTED. INTERIOR: FINAL CONNECTION TO RECESSED LIGHTING FIXTURES, FISHING VOIDS IN EXISTING MASONRY WALLS.
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT	EXTERIOR: FINAL CONNECTIONS MOTORS AND VIBRATING EQUIPMENT. INTERIOR: FINAL CONNECTIONS MOTORS AND VIBRATING EQUIPMENT.
PVC	RIGID PVC CONDUIT	EXTERIOR: UNDERGROUND. INTERIOR: WITHIN OR BENEATH CONCRETE SLABS; EXPOSED IN DAMP OR WET LOCATIONS WHERE NOT SUBJECT TO PHYSICAL DAMAGE.
EMT	ELECTRICAL METAL TUBING	EXTERIOR: NOT PERMITTED. INTERIOR: CONCEALED IN WALLS AND CEILINGS; EXPOSED MORE THAN FOUR FEET (4') AFF; WITHIN CONCRETE SLABS ON AND ABOVE GRADE; SECONDARY SIDE OF ISOLATION PANELS.
WIRING		
CONDUCTOR	COPPER, COMPLY WITH ASTM B 3 FOR BARE COPPER AND ASTM B 8 FOR STRANDED CONDUCTORS. LISTED AND LABELED AS DEFINED BY NEC. STRANDED FOR #6 AWG AND LARGER, SOLID FOR #10 AWG AND SMALLER. ALUMINUM CONDUCTORS NOT PERMITTED.	
WIRING INSULATION	THW, THHN/THWN, XHHW, OR XHHW-2	
MINIMUM SIZE	#12 AWG FOR POWER, #14 FOR CONTROL	
WIRING LEGEND		
SYMBOL	DESCRIPTION	
	HATCH MARKS INDICATE QUANTITY OF #12 PHASE (SHORT HATCH) AND NEUTRAL (LONG HATCH) CONDUCTORS IN CONDUIT. PROVIDE ADDITIONAL #12G IN EACH CONDUIT. PROVIDE #12 AND #12G WHERE HATCH MARKS ARE NOT INDICATED, UNLESS NOTED OTHERWISE.	
	CONDUIT / WIRING RUN CONCEALED IN WALL OR CEILING	
	CONDUIT / WIRING RUN UNDERFLOOR OR UNDERGROUND	
	CONDUIT / WIRING RUN EXPOSED	
	BRANCH CIRCUIT TO PANEL	
SEE ADDITIONAL REQUIREMENTS IN ELECTRICAL SPECIFICATIONS		

- GENERAL ELECTRICAL NOTES
- COMPLY WITH APPLICABLE LOCAL, STATE, NATIONAL, AND INTERNATIONAL CODES AND REGULATIONS.
  - PLAN DOCUMENTS ARE SCHEMATIC TO CONVEY DESIGN INTENT. DO NOT SCALE DRAWINGS FOR EXACT PLACEMENT OF EQUIPMENT AND DEVICES.
  - COORDINATION BETWEEN DIVISIONS IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR AND/OR CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
  - THE DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. IN A CASE OF A CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS, REQUEST A DOCUMENTED INTERPRETATION FROM THE ARCHITECT / ENGINEER.
  - INSTALL EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND INSURANCE UNDERWRITER'S REQUIREMENTS.
  - THE LINE-TYPE AND SYMBOLS LEGENDS SHOW ITEMS TYPICALLY INCLUDED WITH THE SPECIFIED SYSTEMS. NOT ALL SYMBOLS AND/OR LINETYPES ARE NECESSARILY UTILIZED.
  - INCLUDE DETAILS IN THE SCOPE OF WORK FOR EVERY SITUATION TO WHICH THAT DETAIL APPLIES EXCEPT WHERE A SPECIFIC DETAIL REFERENCE IS DESIGNATED TO INDICATE OTHERWISE.
  - COORDINATE UNDERGROUND SITE ELECTRICAL WORK WITH BOTH EXISTING AND PROPOSED UNDERGROUND UTILITIES AND WORK OF OTHER DISCIPLINES.
  - PROVIDE MINIMUM 1" CONDUIT FOR UNDERFLOOR, IN SLAB, AND BELOW GRADE APPLICATIONS.
  - PROVIDE 2#8, #10G, 1" C FOR SITE LIGHTING FIXTURES, UNLESS NOTED OTHERWISE.
  - PROVIDE 2#10, #10G, 3/4" C FOR NORMAL/EMERGENCY, CORRIDOR, AND BUILDING-MOUNTED EXTERIOR LIGHTING CIRCUITS, UNLESS NOTED OTHERWISE.
  - CONNECT LIGHTING FIXTURES, WIRING DEVICES, EQUIPMENT, ETC TO CIRCUIT INDICATED ON PLANS. PROVIDE #12, #12G, 3/4" C FOR BRANCH CIRCUITS, UNLESS NOTED OTHERWISE.
  - PROVIDE INCREASED WIRE SIZE WHERE REQUIRED TO LIMIT VOLTAGE DROP FOR BRANCH CIRCUITS TO THREE PERCENT AND TOTAL VOLTAGE DROP FOR ENTIRE CIRCUIT (FEEDERS AND BRANCH CIRCUITS) TO FIVE PERCENT.
  - REFER TO TYPICAL RECESSED LUMINAIRE INSTALLATION DETAILS FOR INSTALLATION REQUIREMENTS OF RECESSED FIXTURES.
  - CONNECT EXIT SIGNS TO UNSWITCHED LEG OF LOCAL NORMAL LIGHTING CIRCUIT UNLESS OTHERWISE NOTED.
  - CONNECT LIGHTING FIXTURES IN EACH ROOM TO INDICATED NORMAL LIGHTING CIRCUIT IN THAT SPACE. PROVIDE SWITCHING AS INDICATED AND SWITCH WIRING AS REQUIRED. WHERE NO SWITCH LEGS ARE INDICATED, LOCAL SWITCH SHALL CONTROL ALL FIXTURES IN ROOM. WHERE SWITCH LEGS ARE INDICATED, SWITCHES SHALL CONTROL ONLY THOSE FIXTURES NOTED WITH SAME LABEL AS SWITCH.
  - PROVIDE 0-10V CONTROL CABLING TO LIGHTING FIXTURES INDICATED WITH DIMMABLE CONTROLS.
  - COORDINATE EXACT FIXTURE MOUNTING HEIGHTS OF WALL-MOUNTED AND SUSPENDED FIXTURES WITH ARCHITECTURAL BUILDING ELEVATIONS BEFORE ROUGH-IN.
  - COORDINATE EXACT MOUNTING LOCATION OF SERVICE RECEPTACLES, DISCONNECTS, AND STARTERS FOR MECHANICAL AND UNIVERSITY FURNISHED EQUIPMENT IN FIELD WITH EQUIPMENT INSTALLER BEFORE ROUGH-IN. DO NOT INSTALL DEVICES WHERE LOCATION IMPEDES REQUIRED EQUIPMENT CLEARANCES AND SERVICE ACCESS POINTS.
  - MECHANICAL EQUIPMENT IS INDICATED ON POWER PLANS FOR LOCATION REFERENCE ONLY. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR SPECIFIC WIRING, DISCONNECT, AND CONTROLS REQUIREMENTS.
  - AMPERE INTERRUPTING CAPACITY (AIC), WITHSTAND CLOSE RATINGS (WCR), AND SHORT CIRCUIT CURRENT RATINGS (SCCR) SHOWN ON DRAWINGS ARE SYMMETRICAL. MINIMUM VALUES AT VOLTAGE OF THE RESPECTIVE EQUIPMENT. PROVIDE EQUIPMENT WITH FINAL RATINGS THAT MEET OR EXCEED VALUE NOTED ON DRAWINGS.
  - PROVIDE INNERDUCT IN TELECOMMUNICATIONS CONDUIT RUNS PER SPECIFICATIONS.
  - PROVIDE PULL STRING IN EMPTY CONDUITS/INNERDUCT.
  - FIELD VERIFY EXISTING CIRCUITS BEING REUSED OR MODIFIED. WHERE BRANCH CIRCUIT IS INDICATED TO BE WIRED TO EXISTING BREAKER THAT IS IN USE, CONNECT CIRCUIT TO NEXT AVAILABLE BREAKER WHERE NECESSARY. PROVIDE COMPATIBLE CIRCUIT BREAKER WITH AMPERE RATING AS INDICATED AND AIC RATING TO MATCH EXISTING PANELBOARD. UPDATE EXISTING PANELBOARD DIRECTORY TO REFLECT ANY PANEL REVISIONS AND NOTE CHANGES ON RECORD DRAWINGS.

## ELECTRICAL ABBREVIATIONS

A	AMPERE	LSIA	LONG TIME, SHORT TIME, INSTANTANEOUS AND GROUND FAULT ALARM (CIRCUIT BREAKER TRIP FUNCTIONS)
AB CL	ABOVE CEILING		
AF	AMP FRAME	LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS AND GROUND FAULT (CIRCUIT BREAKER TRIP FUNCTIONS)
AFF	ABOVE FINISHED FLOOR		
AFG	ABOVE FINISHED GRADE		
AIC	AMPERE INTERRUPTING CAPACITY	MC	METAL-CLAD CABLE
AT	AMP TRIP	MCB	MAIN CIRCUIT BREAKER
ATS	AUTOMATIC TRANSFER SWITCH	MFR	MANUFACTURER
BFC	BELOW FINISHED CEILING	MH	MOUNTING HEIGHT
BFF	BELOW FINISHED FLOOR	MIN	MINIMUM
BFG	BELOW FINISHED GRADE	MLO	MAIN LUG ONLY
BKR	BREAKER	MTD	MOUNTED
C	CONDUIT	NE	NORMAL EMERGENCY
CKT	CIRCUIT	NEC	NATIONAL ELECTRICAL CODE, NFPA 70
CMH	COMMUNICATIONS MANHOLE	NL	NIGHT LIGHT
DIA	DIAMETER	NC	NORMALLY CLOSED
E	EMERGENCY	NO	NUMBER OR NORMALLY OPEN
EA	EACH	OC	ON CENTER
EC	ELECTRICAL CONTRACTOR	OE	OVERHEAD ELECTRIC
EMH	ELECTRICAL MANHOLE	OT	OVERHEAD TELECOMMUNICATIONS
ENT	ELECTRICAL METALLIC TUBING	P	POLE
EWC	ELECTRIC WATER COOLER	PC	PLUMBING CONTRACTOR
EXR	EXISTING TO BE REMOVED	PH	PHASE
EX	EXISTING TO REMAIN	REX	RELOCATED EXISTING
FAAP	FIRE ALARM ANNUNCIATOR PANEL	RMG	RIGID METAL CONDUIT
FACF	FIRE ALARM CONTROL PANEL	SCCR	SHORT CIRCUIT CURRENT RATING
FM	FLEXIBLE METAL CONDUIT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
GC	GENERAL CONTRACTOR	TYP	TYPICAL
GF/GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UE	UNDERGROUND ELECTRIC
G	GROUND	UG	UNDERGROUND
HC	HVAC CONTRACTOR	UN FL	UNDER FLOOR
HT	HEIGHT	UT	UNDERGROUND TELECOMMUNICATIONS
ISO	ISOLATION	V	VOLTS
KVA	KILOVOLT AMPERE	WCR	WITHSTAND CLOSE RATING
KW	KILOWATT	WG	WITH WIRE GUARD
LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT	WP	WEATHERPROOF
LSI	LONG TIME, SHORT TIME AND INSTANTANEOUS (CIRCUIT BREAKER TRIP FUNCTIONS)	WH	WALL HUNG
		XTMR	TRANSFORMER
LSIA	LONG TIME, SHORT TIME, INSTANTANEOUS AND GROUND FAULT ALARM (CIRCUIT BREAKER TRIP FUNCTIONS)		

**WMF**  
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	01-22-2024	BID SET
	12-06-2023	REVISED DRAWINGS
	10-04-2023	BID SET
	09-27-2023	PERMIT SET
	09-06-2023	CD SUBMISSION

MARK	DATE	DESCRIPTION
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KEY PLAN:



PROJECT TITLE:

**PENN STATE**  
**Harrisburg**  
**STADIUM SEATING &  
RESTROOMS BLDG**  
PENN STATE UNIVERSITY HARRISBURG CAMPUS  
STREET, CITY, STATE ZIP CODE

PSU BUILDING NUMBER: 0985095

PSU PROJECT NUMBER: 00-08713.00

PROJECT NUMBER: 2022.138.00

PROJECT PHASE: CONSTRUCTION DOCUMENTS

**SYMBOLS & GENERAL  
NOTES - ELECTRICAL**

DRAWN BY: ASC

CHECKED BY: WLS

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DRAWING NO.

**E001**

**Barton Associates**  
CONSULTING ENGINEERS  
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