

PROJECT LOCATION MAP

-PROJECT LOCATION



GENERAL

PMOOI SYMBOLS

DEMOLITION DIOI DEMOLITION PLAN

ARCHITECTURAL AIOI FLOOR PLAN A200 ELEVATIONS





FIRE PROTECTION FP2011 FIRE PROTECTION PLAN

PD201	PLUMBING DEMOLITION
P201	PLUMBING PLAN
P601	PLUMBING DETAILS

PUMBING

	MECHANICAL
MD201	MECHANICAL DEMOLITION
M20	MECHANICAL PLAN
M601	MECHANICAL DETAILS

__|| MONER MLAN

	ELECTRICAL
200	ELECTRICAL SYMBOLS
ED201	ELECTRICAL DEMOLITION
20	ELECTRICAL PLAN
= - 11	

DRAWING INDEX



DEMOLITION NOTES:

-) DEMO PARTIAL WALL OPENING FOR INSTALLATION OF A 3'-O" \times 6'-8" DOOR AND METAL FRAME.
- 2 REMOVE EXISTING SHELF AND ROD COMPLETE.
- 3 REMOVE EXISTING COUNTER; MIRRORS AND LIGHTING COMPLETE. REMOVE EXISTING DRYWALL, FRAMING TO REMAIN.
- (4) REMOVE EXISTING BENCH SEATING COMPLETE.
- 5 REMOVE EXISTING PLUMBING COMPLETE.
- 6 REMOVE EXISTING BLOCK WALL COMPLETE.
- 7 REMOVE EXISTING SHOWER COMPLETE.
- 8 REMOVE EXISTING STALL PARTITIONS COMPLETE.
- 9 REMOVE EXISTING PLUMBING FIXTURES. SALVAGE FOR RE-INSTALLATION.
- REMOVE EXISTING SINKS AND COUNTER COMPLETE.



- III REMOVE EXISTING WALL COMPLETE.
- 2 REMOVE EXISTING WALL HUNG SINKS COMPLETE.
- (B) REMOVE EXISTING FLOORING AND BASE COMPLETE. REMOVE EXISTING CEILING; GRID AND LIGHTING COMPLETE. REMOVE ALL WALL ACCESSORIES AND OTHER ITEMS COMPLETE.
- REMOVE EXISTING DRYWALL CEILING COMPLETE.





OF SHEETS

MECHANICAL



- SEE DETAILS SHEET A200 SEATING BY OTHERS.
- (6) INSTALL METAL STALL PARTITIONS AND DOORS. COLOR TO BE SELECTED FROM STANDARD COLOR CHART.
- (7) RE-INSTALL WALL HUNG TOILETS AND URINALS.
- (8) INSTALL GRAB BARS TO MEET ADA COMPLIANCE.

- (3) INSTALL 2" METAL HAT CHANNEL AND 5/8" DRYWALL OVER EXISTING MASONRY WALL.
- (14) PURCHASE AND INSTALL 14 NEW 12" WIDE METAL LOCKERS TO EXISTING WALL. LOCKERS SHALL BE TWO TIER; 12" WIDE; 18" DEEP; (2) 36" HIGH. COLOR TO BE SELECTED BY OWNER FROM STANDARD COLOR CHART. LOCKING WILL BE BY PADLOCK AND PROVIDED BY USER. LOCKERS PURCHASE AND INSTALLATION WILL BE BID AS ALTERNATE #1.

INSTALL NEW 4" VINYL BASE IN COLOR TO BE SELECTED BY OWNER.

(15) INSTALL (4) 16" DEEP WHITE LAMINATE SHELVES ON ADJUSTABLE TRACK AND BRACKETS.



 \mathbb{D} ____ H____ \triangleleft



OF SHEETS

MECHANICAL

INSTALL "DALTILE" CALGARY PORCELAIN WALL TILES IN COLOR "FOG #CG42"

SIZE 12" X 24" IN MATTE FINISH. GROUT TO BE SELECTED FROM STANDARD COLOR CHART.



PLUMBING

------ COLD WATER _____ _____ —---—140°—---_____180°_____ —---—180°—---_____T____ _____CSW_____ ------HSW------------HSWR------_____NPW_____ _____G_____ _____A_____ _____ _____/_____ _____II_____ _____//_____//_____ _____///_____////_____ _____ _____GW____ _____D____ _____WW_____ ______GM___ ______WM_____ _____<u>|__</u>

HOT WATER
HOT WATER RETURN
HOT WATER (140° F)
HOT WATER RETURN (140° F)
HOT WATER (180° F)
HOT WATER RETURN (180° F)
TEMPERED WATER
COLD SOFT WATER
HOT SOFT WATER
HOT SOFT WATER RETURN
NON-POTABLE WATER
GAS
AIR (WITH PSI)
STORM WATER (SUSPENDED)
STORM WATER (BURIED)
SANITARY WASTE (SUSPENDED)
SANITARY WASTE (BURIED)
ACID WASTE (SUSPENDED)
ACID WASTE (BURIED)
SANITARY VENT LINE
GREASE WASTE
DRAIN LINE
WELL WATER
GAS METER
WATER METER
RPBP (REDUCED PRESSURE BACKFLOW PREVENTER) RPZ (REDUCED PRESSURE ZONE)
AIR CHAMBER
SHOCK ABSORBER

PIPE FITTINGS

____O____

\frown \bigcirc	ELBOW UP				
C <u> </u>	ELBOW DOWN				
	TEE UP				
	TEE DOWN				
	CONCENTRIC REDUCER				
	ECCENTRIC REDUCER				
<u> </u>	END CAP				
	UNION				
	STRAINER				
	FLANGED CONNECTION				
F	FLOW ARROW				
— X —	PIPE ANCHOR				
	EXPANSION JOINT				
	PIPE SLEEVE				
	PIPE ALIGNMENT GUIDES				
	FLEX CONNECTOR				
	PIPE PITCH ARROW (DOWN IN ARROW DIRECTION)				
<u> </u>	PRESSURE GAUGE				
φ	AUTOMATIC AIR VENT				
Г	COMPOUND GAUGE				
	ELBOW				
	TEE				
Oco	CLEANOUTS				
	FLOOR DRAIN				
 ↓	THERMOMETER				

STEAM PIPING

——BFW—	BOILER FEED WATER
EBFW	EMERGENCY BOILER FEED WATER
LPS	LOW PRESSURE STEAM
MPS	MEDIUM PRESSURE STEAM
——HPS——	HIGH PRESSURE STEAM
LPR	LOW PRESSURE CONDENSATE RETURN
MPR	MEDIUM PRESSURE CONDENSATE RETURN
——HPR——	HIGH PRESSURE CONDENSATE RETURN
PD	CONDENSATE PUMP DISCHARGE
CR	CONDENSATE RETURN
F&T	FLOAT & THERMOSTATIC TRAP
IB	INVERTED BUCKET TRAP
T	THERMOSTATIC TRAP

HVAC PIPING

CS	CONDENSER WATER SUPPLY				
CR	CONDENSER WATER RETURN				
CHWS	CHILLED WATER SUPPLY				
CHWR	CHILLED WATER RETURN				
GS	GROUND LOOP WATER SUPPLY				
GR	GROUND LOOP WATER RETURN				
——HS——	HEATING WATER SUPPLY				
HR	HEATING WATER RETURN				
FOS	FUEL OIL SUPPLY				
——FOR—	FUEL OIL RETURN				
FOV	FUEL OIL VENT				
RD	REFRIGERANT DISCHARGE				
RS	REFRIGERANT SUCTION				
RL	REFRIGERANT LIQUID				
RHG	REFRIGERANT HOT GAS				
DTS	DUAL TEMPERATURE SUPPLY				
DTR	DUAL TEMPERATURE RETURN				

<u>VALVES</u>

------CD------- CONDENSATE DRAIN

	SHUT-OFF VALVE
—— X ——	SHUT-OFF VALVE
₹	VERTICAL SHUT-OFF / IN VERTICAL PIPE
K	BALANCING VALVE
Ż	CHECK VALVE
ð	PRESSURE REDUCING VALVE
O	MAKE-UP WATER VALVE
FCV	FLOW CONTROL VALVE
ţ	SAFETY / PRESSURE RELIEF VALVE
——À	TEMPERATURE / PRESSURE RELIEF VALVE
X	CONTROL VALVE (TCV)
	3-WAY CONTROL VALVE
——-୍ମ	THROTTLING VALVE

REFRIGERATION VALVES/FITTINGS

D	FILTER - DRYER
§	SIGHT GLASS
R	CHARGING VALVE
	EVAPORATOR PRESSURE REGULATOR
Ţ	MANUAL REFRIGERATION VALVE
	THERMOSTATIC EXPANSION VALVE

RADIATION SYMBOLS	TEMPERATURE CONTROL/MONITORING
	T _H ROOM THERMOSTAT (HEAT)
FINNED TUBE RADIATION IN COVER	$\widehat{\mathbb{U}}_{\mathrm{H,C}}$ ROOM THERMOSTAT (HEAT / COOL)
BARE PIPE IN COVER	① _c ROOM THERMOSTAT (COOL)
RADIATION COVER ONLY	DUCT THERMOSTAT
DUCT SYMBOLS	H HUMIDISTAT
	© CARBON DIOXIDE SENSOR
	FS FLOW SWITCH
	DIFFERENTIAL PRESSURE TRANSMITTER
	T PETE'S PLUG
FIRE DAMPER (FD) IN DUCT	VFD VARIABLE FREQUENCY DRIVE
COMBINATION FIRE / SMOKE DAMPER (FSD) IN DUCT	TEMPERATURE CONTROL PANEL
SMOKE DAMPER (SD) IN DUCT	
ACCESS PANEL	DRAWING NOTATIONS
FIRE PROTECTION SYSTEM	DENOTED EXISTING SIZE OF WORK PIPE OR
O PENDANT SPRINKLER HEAD	CONNECTION TO EXISTING
O UPRIGHT SPRINKLER HEAD	DENOTED NEW WORK
CONCEALED SPRINKLER HEAD	
FFIRE PROTECTION PIPING	SECTIONS AND DETAILS
DS DRY STANDPIPE	SECTION OR ELEVATION
DP DRY PIPE SPRINKLER PIPING	
PA PRE-ACTION SPRINKLER PIPING	SHEET NUMBER OF SECTION OR ELEVATION
FIRE HYDRANT	DETAIL (LETTER)
	SHEET NUMBER OF
PIV POST INDICATOR VALVE	DETAIL LOCATION
FS FLOW SWITCH	
	·
SEE SCHEDULES M600 SERIES DRAWINGS FOR ADDITIONAL INFORMATION)	ACTUAL SIZE
ROOM NUMBER	DRAWN TO SCALE (ACTUAL SIZE)
FC - FAN COIL BC - BLOWER COIL F <u>FC-128G</u> UNDERLINED REPRESENTS A-1280 SCHEDULED EQUIPMENT	RETURN GRILLE FOR RETURN AIR PLENUM
FAN COIL CFM	CEILING
FAN COIL	SQUARE DIFFUSER DRAWN TO SCALE (ACTUAL SIZE)
	400 - CFM
AHU-A4 UNIT/AREA LOCATION IN BUILDING	400 CFM
SCHEDULED EQUIPMENT	LINEAR SLOT DIFFUSER DRAWN TO SCALE (ACTUAL SIZE)
AIR HANDLING UNIT	SUPPLY DIFFUSER
F - EXHAUST FAN	
F - SUPPLY FAN F - RETURN FAN F - VENTILATION FAN	CFM EG - EXHAUST GRILLE
FAN CFM	1400 EG
FAN	EXHAUST/RETURN GRILLE
VAV-123Á A-120 VAV/ MAX DESIGN CEM	
VAV MAX DESIGN CFW	28"/12" SR: 300
VARIABLE AIR VOLUME BOX	
	DOUBLE DEFLECTION SUPPLY REGISTER

ABBREVIATIONS

AD	AREA DRAIN
AFC	AUTOMATIC FLOW CONTROL
AFF	ABOVE FINISHED FLOOR
AHR	AIR HOSE REEL
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
AP	ACCESS PANEL
AS	AIR SEPARATOR
BD	BLOWDOWN
BDD	BACKDRAFT/PRESSURE RELIEF DAMPER
BTU	BRITISH THERMAL UNIT
BV	BALANCE VALVE
CB CL CO CF COND CONV CUH CW	CATCH BASIN CAST IRON CENTERLINE CLEANOUT CLOSET FLANGE CONDENSATE HYDRONIC CONVECTOR CABINET UNIT HEATER COLD WATER
DB	DRY BULB
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DS	DOWNSPOUT
DXC	DIRECT EXPANSION COOLING COIL
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EBBR	ELECTRIC BASEBOARD RADIATION
EC	ELECTRICAL CONCTRACTOR
EG	EXHAUST GRILLE
ECONV	ELECTRIC CONVECTOR
ECUH	ELECTRIC CABINET UNIT HEATER
EF	EXHAUST FAN
ELEC	ELECTRICAL
ELEV	ELEVATION
EOM	END OF MAIN DRIP
EPUH	ELECTRIC PROPELLER UNIT HEATER
ERCP	ELECTRIC RADIANT CEILING PANEL
ESP	EXTERNAL STATIC PRESSURE
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXPT	EXECTRIC WATER HEATER
E.	EXISTING
ETR	EXISTING TO REMAIN
FD	FLOOR DRAIN OR FIRE DAMPER
FS	FLOOR SINK
FPVAV	FAN POWERED VAV
FOB	FLAT ON BOTTOM
FSD	COMBINATION FIRE/SMOKE DAMPER
FTR	HYDRONIC FINNED TUBE RADIATION
GC	GENERAL CONTRACTOR
GEN	GENERAL
HB	HOSE BIBB
HTG	HEATING
HW	HOT WATER
HWR	HOT WATER RETURN
ID	INTERNAL DIAMETER
INV. EL.	INVERTED ELEVATION
LAT	LEAVING AIR TEMPERATURE
LBG	LINEAR BAR GRILLE
LBRG	LINEAR BAR RETURN GRILLE
LAV	LAVATORY
MBH	1000 BTU/HOUR
MECH	MECHANICAL
MH	MANHOLE
MC	MECHANICAL CONTRACTOR
MS	MOP SINK
MUV	AUTOMATIC MAKE-UP VALVE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OAD	OUTSIDE AIR DAMPER
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIAMETER
ORD	OVERFLOW ROOF DRAIN
OSD	OPEN SITE DRAIN
PFHX	PLATE AND FRAME HEAT EXCHANGER
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PRV	PRESSURE REDUCING VALVE
PUH	PROPELLER UNIT HEATER
RA	RETURN AIR
RAD	RETURN AIR DAMPER
RCP	HYDRONIC RADIANT CIELING HEATING PANEL
RCNP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RECIRC	RECIRCULATING
RG	RETURN GRILLE
RPZ	REDUCED PRESSURE BACKFLOW PREVENTER
RR	RETURN REGISTER
RIV	ROOF INTAKE VENT
RRV	ROOF RELIEF VENT
SA SAN SD SG SHDR SK SK SR SS STHX	SUPPLY AIR SANITARY SMOKE DAMPER SUPPLY GRILLE SHOWER DRAIN SINK SUPPLY REGISTER STAINLESS STEEL SHELL AND TUBE HEAT EXCHANGER
TCC	TEMPERATURE CONTROL CONTRACTOR
TCP	TEMPERATURE CONTROL PANEL
TG	TRANSFER GRILLE
TO	TRANSFER OPENING
TP	TRAP PRIMER LINE
TYP	TYPICAL
UK VAV VCP VD VFD VSD VSD VTR	VARIABLE AIR VOLUME VETRIFIED CLAY PIPE VOLUME DAMPER VARIABLE FREQUENCY DRIVE VENT STACK VARIABLE SPEED DRIVE VENT THROUGH ROOF
W	WASTE
WB	WET BULB
WC	WATER CLOSET
WS	WASTE STACK

D&A #24116 **GENERAL NOTES** R.E. Dimond and Associates, Inc. 1. THESE NOTES APPLY TO EACH AND EVERY 'M', 'P' AND 'FP' SERIES DRAWINGS. **Consulting Engineers** 2. ALL NEW WORK IS DRAWN DARK. ALL WORK DRAWN LIGHT AND FOLLOWED BY (E.) IS EXISTING. 732 North Capitol Avenue 3. ALL WORK SHALL REMAIN UNLESS Indianapolis, IN 46204 SPECIFICALLY NOTED OTHERWISE. Phone: (317) 634-4672 Fax: (317) 638-8725 4. FIELD VERIFY ALL EXISTING **CERTIFIED BY:** CONDITIONS AS TO EXACT SERVICE, LOCATION, TYPE OF MATERIAL, ETC. BEFORE BIDDING AND BEFORE BEGINNING RENOVATION WORK. 5. COORDINATE ALL SHUT-DOWNS, DELIVERY, AND STORAGE OF MATERIALS, ETC. WITH OWNER'S REPRESENTATIVE. 6. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK WITH ALL OTHER TRADES. SEE SPECIFICATION FOR ADDITIONAL REQUIREMENTS **REVISIONS:** RELATED TO COORDINATION. DESCRIPTION NO. DATE 7. CONTRACTORS SHALL PROTECT ALL EXISTING OWNER FACILITIES DURING CONSTRUCTION. ANY AND ALL OWNER FACILITIES DAMAGED OR DISCONNECTED BY CONTRACTOR OPERATIONS SHALL BE FULLY RESTORED TO PREVIOUS OPERATING AND APPEARANCE CONDITION BY CONTRACTOR. 8. PROVIDE SLEEVES FOR ALL PIPING AND DUCTWORK THAT PENETRATE WALLS, WHETHER SHOWN OR NOT HOLES THROUGH EXISTING WALLS TO BE CORE DRILLED OR DRILLED Ш WITH HOLE SAW. SEE SPECIFICATIONS. **O**M 9. ALL UNDERLINED EQUIPMENT IS SCHEDULED. SEE M600, P600 AND FP600 SERIES DRAWINGS FOR SCHEDULES. R E 10. REFERENCE M600, P400 AND FP400 SERIES DRAWINGS FOR TYPICAL AND SPECIFIC INSTALLATION MO REQUIREMENTS FOR EQUIPMENT, ETC. 0 11. SMOKING, ALCOHOL, DRUGS, WEAPONS, AND CONTRABAND ARE Ľ STRICTLY FORBIDDEN ON JOB SITE PROPERTY. SITY 12. CONTRACTOR SHALL BE RESPONSIBLE FOR CORE DRILLING AND CUTTING HOLES THROUGH WALLS AND FLOORS AS REQUIRED ŘŘ TO INSTALL NEW PIPING AND DUCTWORK, WHETHER SHOWN OR 536 N 7th St., re Haute, IN 47809 Ш ~ NOT UNLESS SPECIFICALLY NOTED NNS ON 'S' SERIES DRAWINGS. 13. FIELD VERIFY EXACT SIZES OF EXISTING PIPING AND DUCTWORK $\supset O$ SYSTEMS SHOWN TO BE CONNECTED TO NEW WORK. IN Ľ THE EVENT ACTUAL SIZE IS ш DIFFERENT THAN SHOWN ON STAT| SING DRAWINGS, CONTACT ENGINEER FOR DIRECTION PRIOR TO ANY WORK. 14. LOCATE AIR TERMINAL BOXES, DING DRES VALVES, METERS, GAUGES, DAMPERS, FANS, ETC., ABOVE LAY-**U** IN CEILING OR IN EXPOSED AREAS. ALL ITEMS REQUIRING SERVICE AND VALVES MUST BE ACCESSIBLE. 15. ADHERE ENGRAVED PLASTIC LAMINATE TAGS TO THE ACOUSTICAL LAY-IN CEILING GRID AT ALL LOCATIONS WHERE TERMINAL DEVICES, VALVES, FANS, ETC. ARE LOCATED ABOVE THAT CEILING INDICATING THE EQUIPMENT NOMENCLATURE BUIL INSTALLED. 16. DO NOT INSTALL DEVICES WHICH REQUIRE SERVICE BEHIND WALLS OR PLASTER CEILINGS OR BAR JOISTS. 2 ATE 17. ALL PLUMBING AND MECHANICAL PIPING AND INSULATION MATERIALS INSTALLED IN CEILING RETURN AIR PLENUMS SHALL COMPLY WITH ASTM E84 FOR FLAME-SPREAD ΞH. RATING OF 25 OR LESS AND SMOKE-DEVELOPED RATING OF 50 OR LESS. ⊢ 18. COLORS OF EXPOSED UNITS SHALL BE SELECTED BY ARCHITECT. COLORS SHALL BE MANUFACTURER'S STANDARD OR CUSTOM COLOR AS REQUESTED. DRAWN BY: DESIGNED BY: SUBMIT COLOR CHARTS WITH SHOP EJV EJV DRAWINGS. SCALE: CHECKED BY: **REFER TO DRAWING** MJE 19. SEE 'A' SERIES DRAWINGS FOR WALL AND CEILING REMOVAL AND DATE: JOB NO.: REPLACEMENT TO INSTALL 24116 01/21/2025 DUCTWORK, EQUIPMENT, AND SHEET DESCRIPTION: PIPING. IF MORE WALL OR CEILING REMOVAL IS REQUIRED THAN SHOWN ON 'A' SERIES DRAWINGS, SYMBOLS, THEN CONTRACTOR REQUIRING THE DEMOLITION SHALL BE **ABBREVIATIONS, &** RESPONSIBLE FOR WALL/CEILING REMOVAL AND REPLACEMENT. **GENERAL NOTES** · 20. FOR WALLS THAT GO TO DECK, MECHANICAL **REFERENCE THE 'A' SERIES** DRAWINGS. CONTRACTOR SHALL

SHEET NUMBER:

PM001

PROVIDE ACOUSTIC SEALANT AROUND ALL DUCT AND PIPE PENETRATIONS THROUGH FULL

21. ADDITIONAL GENERAL NOTES

SPECIFIC TO A PARTICULAR DRAWING ARE NOTED ON THOSE

HEIGHT WALLS.

DRAWINGS.











PLUMBING EQUIPMENT SCHEDULE								
MARK SPECIFICATION NO. NAME	MANUEACTURER	ELECTRICAL DATA		GAS				
	NAME	& MODEL NO.	LOAD	VOLTS	PHASE	LOAD (BTU)	CAPACITY	REMARKS
BFP-A	BACKFLOW PREVENTOR	WILKINS #973XL-2"	-	-	-	-	60 GPM @ 10 ' TDH	-
BFP-B	BACKFLOW PREVENTOR	WILKINS #973XL-3/4"	-	-	-	-	10 GPM @ 10 ' TDH	-

	FIXTURE ROUGH-IN SCHEDULE & MOUNTING HEIGHTS									
MARK NO.	FIXTURE DESCRIPTION	cw	нw	TRAP	w	v	MOUNTING HEIGHTS			
WC-1	WATER CLOSET - WALL HUNG, FLUSH VALVE	1"	-	INTEGRAL	4"	2"	15" TO SEAT			
WC-2	WATER CLOSET - WALL HUNG, FLUSH VALVE, ADA	1"	-	INTEGRAL	4"	2"	17" TO SEAT			
UR-1	URINAL - WALL HUNG, FLUSH VALVE	3/4"	-	INTEGRAL	2"	1-1/2"	24" TO RIM			
UR-2	URINAL - WALL HUNG, FLUSH VALVE, ADA	3/4"	-	INTEGRAL	2"	1-1/2"	15" TO RIM			
L-1	LAVATORY - COUNTER	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	34" TO TOP OF DECK			
LT-1	LAUNDRY TUB	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	34" TO TOP OF DECK			
WB-1	CLOTHES WASHER BOX	3/4"	3/4"	2"	2"	1-1/2"	48" ABOVE FINISH FLOOR			
SH-1	SHOWER - BY OWNER	1/2"	1/2"	-	-	-	INSTALL SHOWER AND SHOWER VALVE PROVIDED BY OWNER			
EWC-1	WATER COOLER WITH BOTTLE FILLER - ALTERNATE BID	1/2"	-	1 1/2"	1 1/2"	1 1/2"	36" TO BUBBLER			



GRAM	C HOT AND COLD WATER DIAGRAM
	SCALE: NONE

	WATER HAMMER ARRESTER SCHEDULE										
TYPE	I.P.S.	F.U. RATING	J.R. SMITH NO.	WADE NO.	ZURN NO.	REMARKS					
A	3/4"	1 - 11	5005	W-5	100	P.D.I. CERTIFIED					
В	1"	12 - 32	5010	W-10	200	P.D.I. CERTIFIED					
С	1"	33 - 60	5020	W-20	300	P.D.I. CERTIFIED					
D	1"	61 - 113	5030	W-50	400	P.D.I. CERTIFIED					

CIRC	CIRCUIT SETTER SCHEDULE									
MARK NO.	FLOW RATE (GPM)	QUANTITY	SUBTOTAL							
CS-1	0.5	4	2.0							
CS-2	1.0	1	1.0							
CS-3	1.5	1	1.0							
		TOTAL	4.0							

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REVISIONS NO. DESCRIPTION	DATE
INDIANA STATE UNIVERSITY INDIANA STATE UNIVERS	536 N 7th St., Terre Haute, IN 47809
P601	

















RENOVATION LEGEND:

WORK TO BE INSTALLED

WORK TO REMAIN

GENERAL NOTES - AIR DISTRIBUTION:

- FLEX DUCT CONNECTIONS TO DIFFUSERS SHALL BE A MAXIMUM OF 3'-0" IN LENGTH.
- 2. BRANCH DUCTS SHALL HAVE 45° BOOT TAP FROM SIDE OF MAIN. NO SPIN-IN FITTING ALLOWED. SEE DETAIL 'B' / M601.
- PROVIDE VOLUME DAMPERS IN ALL BRANCH DUCTS TO DIFFUSERS, EXHAUST GRILLES, ETC. <u>WHETHER SHOWN OR NOT</u>. THESE DAMPERS ARE TO BE USED FOR SYSTEM BALANCE. DAMPERS IN DIFFUSERS, REGISTERS, ETC. SHALL NOT BE USED FOR AIR BALANCE.
- 4. ALL VOLUME DAMPERS SHALL BE LOCATED ABOVE ACCESSIBLE CEILINGS, IF POSSIBLE.
- 5. COORDINATE AND ADJUST DIFFUSER LOCATIONS, AS NEEDED.
- 6. SEE DRAWING M601 FOR CEILING DIFFUSER/EXHAUST AND RETURN REGISTER SCHEDULE.
- 7. ALL TRANSFER OPENINGS TO BE ABOVE CEILINGS.
- SUPPLY DIFFUSERS TO BE INSTALLED NO CLOSER THAN 4'-0" TO ALL SMOKE DETECTORS. REFER TO T-SERIES AND E-SERIES DRAWINGS FOR ADDITIONAL CEILING INSTALLED DEVICES. COORDINATE AND ADJUST DIFFUSER LOCATIONS, AS NEEDED.
- 9. EXTERNALLY INSULATE ALL SUPPLY DUCTWORK CONCEALED ABOVE CEILINGS WITH FLEXIBLE FIBERGLASS.
- 10. THESE ARE NOT FABRICATION DRAWINGS. THESE DRAWINGS ARE NOT INTENDED TO SHOWN ALL OFFSETS AS REQUIRED FOR PROPER DUCTWORK INSTALLATION. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND PREPARE FABRICATION DRAWINGS BASED ON EXISTING CONDITIONS. ALL ADDITIONAL OFFSETS SHALL BE INCLUDED IN BID PRICE.
- 11. VERIFY FIT OF DUCTWORK PRIOR TO ANY FABRICATION. CONTRACTOR WILL NOT BE REIMBURSED FOR DUCTWORK THAT WILL NOT FIT.
- 12. REFERENCE M600 SERIES DRAWINGS FOR TYPICAL AND SPECIFIC INSTALLATION REQUIREMENTS FOR EQUIPMENT, ETC.
- 13. WORKMANSHIP FOR ALL DUCTWORK AND EQUIPMENT MUST BE IN COMPLIANCE WITH SMACNA STANDARDS.
- 14. INSTALL DUCTS ACCORDING TO SMACNA'S "HVAC DUCT CONSTRUCTION -METAL AND FLEXIBLE" UNLESS OTHERWISE INDICATED.
- 15. SEAL DUCT SEAMS AND JOINTS FOR DUCT STATIC PRESSURE AND LEAKAGE CLASSES SPECIFIED IN "PERFORMANCE REQUIREMENTS" ARTICLE, ACCORDING TO SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE", TABLE 1-1, "STANDARD DUCT SEALING REQUIREMENTS", UNLESS OTHERWISE INDICATED.
- EQUIPMENT, VALVES, CONTROLLERS, ETC., REQUIRING SERVICE ABOVE CEILINGS SHALL BE INSTALLED NO HIGHER THAN 18" ABOVE CEILING UNLESS APPROVED BY ENGINEER.
- 17. ALSO SEE SHEET PM001 FOR ADDITIONAL GENERAL NOTES.

GENERAL NOTES - CONTROLS:

- 1. ALL WORK TO BE COMPLETED BY THE JOHNSON CONTROLS LOCAL BRANCH OFFICE.
- 2. PROVIDE DDC CONTROL OF ALL FAN COIL UNITS AND INTEGRATE INTO THE OWNER'S B.A.S.
- 3. ALL WIRING AND COMPONENTS SHALL BE IN COMPLIANCE WITH ISU CAMPUS STANDARDS.

R.E. Dimond and Associates, Inc. Consulting Engineers 732 North Capitol Avenue Indianapolis, IN 46204 Phone: (317) 634-4672 Fax: (317) 638-8725 **PLAN NOTES:** (# CERTIFIED BY: 1. OUTDOOR AIR INTAKE. PROVIDE MANUAL BALANCE DAMPER AND BALANCE TO 75 CFM. TERMINATE THROUGH ROOF. SEE DETAIL 'E' / M601. 2. DRYER VENT UP THROUGH ROOF. 3. INSTALL 6"/6" E.A. GRILLE. VERIFY EXACT SIZE. EXTEND DUCTWORK AS REQUIRED. 4. INSTALL 8"/8" E.A. GRILLE. VERIFY EXACT SIZE. EXTEND DUCTWORK AS REQUIRED. 5. INSTALL 12"/12" R.A. GRILLE. VERIFY EXACT SIZE. EXTEND DUCTWORK AS REQUIRED. **REVISIONS:** 6. CLEAN AND VERIFY OPERATION OF NUTONE WALL EXHAUST FAN. NO. DESCRIPTION DATE ш Ο Σ Ш Ľ ΣO 0 Ľ SITY EST Ϋ́Υ Ϋ́Υ Ш ~ 809 ≥N NN t. 4 536 N 7th St re Haute, IN ₄ П О О С INDIANA STATE UILDING DRESSING R **U** Ω ATER MECHANICAL ЭH. FTR E **DRAWN BY:** DESIGNED BY: EJV EJ SCALE: CHECKED BY: **REFER TO DRAWING** MJE DATE: JOB NO.: 24116 01/21/2025 SHEET DESCRIPTION: FLOOR PLAN -MECHANICAL SHEET NUMBER: **M201** 0 1 2 3 4

D&A #24116

														FA	AN C	OIL S	CHEDI	JLE						
			SPECIFICATI	ON				FAN								COOLING	COIL							HE
MAR	NAME &/OR			FOLIPMENT	MANUFACTURER							E	AT	LA	AT	CHILLED	WATER	WATER						HEATING
NO	PURPOSE	SECTION	NAME	TYPE	& MODEL NO	CFM	ESP	FLA	VOLTS	BHP	MIN MBH	DB	WB	DB	WB	EWT	LWT	FLOW (GPM)	MIN ROWS	(FT)	MIN MBH	EAT	LAT	EWT
FC-A	M201 HEATING AND COOLING	23 82 19	FAN COIL UNIT	FAN COILS - HORIZONTAL	INTERNATIONAL CPY-04	400	0.3	2.1	115	0.17	11.2	75.0	63.0	55.4	53.9	45.0	55.0	2.22	4	17.0	38.0	68	-	180

TYPICAL FCU CONTROL SEQUENCE

A. OCCUPIED

- 1. GLOBAL COMMAND TO INDEX FCU FANS ON AND RUN CONTINUOUSLY.
- 2. ON A CALL FOR COOLING FROM SPACE MOUNTED DDC TEMPERATURE SENSOR, MODULATE TEMPERATURE CONTROL VALVE OPEN.
- 3. ON A CALL FOR HEATING FROM SPACE MOUNTED DDC TEMPERATURE SENSOR, MODULATE TEMPERATURE CONTROL VALVE OPEN.
- 4. WHEN SPACE IS AT SETPOINT MODULATE TEMPERATURE CONTROL VALVE.
- 5. DDC SPACE THERMOSTAT SHALL ALLOW FOR SPACE SET POINT BETWEEN 70F AND 75F (ADJ)
- 6. HUMIDITY SENSORS SHOWN ON DRAWINGS ARE FOR REFERENCE ONLY.
- 7. UPON RECEIVING UNOCCUPIED SIGNAL, INDEX FAN COIL UNIT INTO UNOCCUPIED MODE.
- B. UNOCCUPIED
- 1. GLOBAL COMMAND TO INDEX FCU FANS OFF AND CYCLE FANS TO MAINTAIN SETBACK SPACE TEMPERATURE.
- 2. ON A CALL FOR COOLING FROM SPACE MOUNTED DDC TEMPERATURE SENSOR, MODULATE TEMPERATURE CONTROL VALVE OPEN.
- 3. ON A CALL FOR HEATING FROM SPACE MOUNTED DDC TEMPERATURE SENSOR, MODULATE TEMPERATURE CONTROL VALVE OPEN.
- 4. WHEN SPACE IS AT SETPOINT CLOSE TEMPERATURE CONTROL VALVE.
- 5. UNOCCUPIED SPACE SETPOINTS SHALL BE 76F FOR COOLING AND 68F FOR HEATING.
- 6. MORNING WARM UP CYCLE SHALL COMMENCE AT 6:00 AM.
- 7. UPON RECEIVING OCCUPANCY SIGNAL, INDEX FAN COIL UNIT INTO OCCUPIED MODE FOR 1 HOUR(ADJ).



CONTROL POINTS	LIS
ITEM	
TYPICAL FC	DI
SPACE TEMPERATURE	
TC VALVE	
DISCHARGE AIR TEMPERATURE	
OCCUPANCY SENSOR	1
FAN START/STOP	
FAN SPEED CONTROL	
MISC SPACE HUMIDITY	

CEILING [DIFFUSER	SCH	IEDU	L

MARK NO.	SPECIFICATION NAME	MANUFACTURER AND MODEL NO.	CFM RANGE	MAX. N.C.	NECK DIA.	
50 - 120	SQUARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	50 - 120	15	6"	
125 - 245	SQUARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	125 - 245	19	8"	
250 - 325	SQUARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	250 - 325	19	10"	
330 - 475	SQUARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	330 - 475	19	12"	
480 - 645	SQUARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	480 - 645	18	14"	
650 - 735	SQUARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	650 - 735	18	15"	
130 - 190	LINEAR SLOT DIFFUSER	PRICE SDS SERIES OR EQUAL	130 - 190	18	8" OVAL	
191 - 230	LINEAR SLOT DIFFUSER	PRICE SDS SERIES OR EQUAL	191 - 230	19	8" OVAL	
231 - 270	LINEAR SLOT DIFFUSER	PRICE SDS SERIES OR EQUAL	231 - 270	18	10" OVAL	
371 - 340	LINEAR SLOT DIFFUSER	PRICE SDS SERIES OR EQUAL	271 - 340	20	10" OVAL	(
341 - 400	LINEAR SLOT DIFFUSER	PRICE SDS SERIES OR EQUAL	341 - 400	21	12" OVAL	Γ
401 - 520	LINEAR SLOT DIFFUSER	PRICE SDS SERIES OR EQUAL	401 - 520	22	12" OVAL	

- SQUARE SUPPLY DIFFUSER - ACTUAL CFM CFM

LINEAR SLOT DIFFUSER

D&A #24116



E>	EXHAUST/RETURN REGISTER SCHEDULE									
MARK NO.	NOMINAL GRILLE SIZE	MAX N.C.	ΜΑΧ ΔΡ	CFM RANGE	REMARKS					
0 - 170	8/8	20	0.1"	0 - 170						
175 - 240	10/10	20	0.1"	175 - 240	-					
245 - 400	12/12	20	0.1"	245 - 400	-					
405 - 520	14/14	20	0.1"	405 - 520						
525 - 640	16/16	20	0.1"	525 - 640	-					
645 - 830	18/18	20	0.1"	645 - 830						
835 - 1050	20/20	20	0.1"	835 - 1050	-					
1055 - 1400	24/24	20	0.1"	1055 - 1400	-					
	1055 - 1400 24/24 20 0.1 1055 - 1400 - CFM EG - EXHAUST GRILLE MARK NO - - - 1400 EG RG - RETURN GRILLE MARK NO - - -									

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A	AMPERE	MDF	MAIN DISTRIBUTION FRAME
AC ADJ	ALTERNATING CURRENT; ARMORED CABLE ADJUSTABLE	MDP MED	MAIN DISTRIBUTION PANELBOARD MEDIUM
AF	AMPERE FUSE; AMPERE FRAME ABOVE FINISHED FLOOR	MFG MFR	MANUFACTURING MANUFACTURER
AFG	ABOVE FINISHED GRADE	MH	MANHOLE; METAL HALIDE; MAN-HOUR
AL		MI	
ALCR ANSI	AUTOMATIC LOAD CONTROL RELAY AMERICAN NATIONAL STANDARDS INSTITUTE	MIC MIN	MICROPHONE MINIMUM; MINUTE
ASYM AT	ASYMMETRICAL AMPERE TRIP	MISC MLO	MISCELLANEOUS MAIN LUGS ONLY
ATS AUX	AUTOMATIC TRANSFER SWITCH AUXILIARY	MOCP MOG	MAXIMUM OVERCURRENT PROTECTION MOGUL
AVG		MTD	MOUNTED MANUAL TRANSFER SWITCH
		MV	MEGAVOLT; MEDIUM VOLTAGE
BATT BPS	BATTERY BOLTED PRESSURE SWITCH	MVA MVAR	MEGAVOLT AMPERES MEGAVOLT AMPERES REACTIVE
с	CONDUIT: CENTRIGRADE	MW	MEGAWATT
C/C CB		N N/A	NEUTRAL NOT APPLICABLE
CCTV	CLOSED CIRCUIT TELEVISION	NC	NORMALLY CLOSED
CF	CUBIC FEET	NEMA	NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL
CFL CIRC	COMPACT FLUORESCENT CIRCUIT	NF	MANUFACTURERS ASSOCATION NON-FUSED
CLG CMU	CEILING CONCRETE MASONRY UNIT	NFS NIC	NON-FUSED DISCONNECT NOT IN CONTRACT
COL			NIGHT LIGHT
CONC	CONCRETE	NO	NUMBER: NORMALLY OPEN
COND	CONDUCTOR CONTINUOUS; CONTINUED	NTS	
CP CPT	CONTROL PANEL CONTROL POWER TRANSFORMER	O&P OC	OVERHEAD AND PROFIT ON CENTER; OVERCURRENT
CT CU	CURRENT TRANSFORMER COPPER: CUBIC	OD OH	OUTSIDE DIAMETER OVERHEAD
CU FT		OL OS&Y	
CYL	CYLINDER	OZ	OUNCE
D	DEEP; DEPTH	Р	POLE; PULL
DB DC	DECIBEL; DIRECT BURIED DIRECT CURRENT	PA PB	PUBLIC ADDRESS PUSH BUTTON; PULL BOX
DDC DF	DIRECT DIGITAL CONTROL DUAL FACE	PC PFD	PHOTOCELL PEDESTAL
		PF рн	POWER FACTOR PHASE
DISC	DISCONNECT	PIV	POST INDICATOR VALVE
DN		PL PNL	PANEL
DPD1 DPST	DOUBLE POLE, DOUBLE THROW DOUBLE POLE, SINGLE THROW	PRI PRI	PAIK PRIMARY
DWG DX	DRAWING DIRECT EXPANSION	PSF PSI	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH
E	EAST: EXISTING	PSIG PT	POUNDS PER SQUARE INCH GUAGE POTENTIAL TRANSFORMER
EA FRRP		PU	
EB	ELECTRIC DAGEDUARD RADIATION ELECTRONIC BALLAST	PWR	POWER
EGC	ELECTRICAL CONTRACTOR EQUIPMENT GROUNDING CONDUCTOR	QUAN; QTY	QUANTITY
ELEC ELEV	ELECTRICAL ELEVATOR: ELEVATION	R	RESISTANCE: RELOCATED
EM EMS	EMERGENCY ENERGY MANAGEMENT SYSTEM	RECEPT REF	RECEPTACLÉ
EMT		REFR	REFRIGERATOR
ENG	ENGINE	RGS	REQUIRED RIGID GALVANIZED STEEL
EQUIP EST	EQUIPMENT ESTIMATED	RLA RM	RUNNING LOAD AMPS ROOM
EWC EWH	ELECTRIC WATER COOLER ELECTRIC WATER HEATER	RMC	RIGID METALLIC CONDUIT ROOT MEAN SQUARE
EXP EXT	EXPOSED	RNC BT	RIGID NON-METALLIC CONDUIT
		SCCP	
F	FIRE ALARM	SCHED	SCHEDULE
FAA FACP	FIRE ALARM ANNUNCIATOR FIRE ALARM CONTROL PANEL	SE	SHORT CIRCUIT RATING SERVICE ENTRACE; SERVICE EQUIPMENT
FC FD	FOOT-CANDLE FUSED DISCONNECT	SEC SN	SECONDARY SOLID NEUTRAL
FDR	FEEDER	SP	SINGLE POLE
FIXT	FIXTURE	SPDT	SINGLE POLE, DOUBLE THROW
FLA FLR	FULL LOAD AMPS FLOOR	SPKR SPST	SPEAKER SINGLE POLE, SINGLE THROW
FLUOR FM	FLUORESCENT FREQUENCY MODULATION: FACTORY MUTUAL	SQ SQ FT	SQUARE SQUARE FEET
FT		SQ IN	SQUARE INCH STAINLESS STEEL: SAFETY SWITCH
FVNR	FULL VOLTAGE NON-REVERSING	S/S	START STOP
G	GROUND	STD	SHONT TRIP; STANDARD
GALV	GUAGE GALVANIZED	SURF	SURFACE SWITCH
GC GEN	GENERAL CONTRACTOR GENERATOR	SWD SWBD	SWITCHING DUTY SWITCHBOARD
GFCI, GFI GFP	GROUND FAULT CIRCUIT INTERRUPTER	SQ YD SYM	SQUARE YARD SYMMETRICAL
GND	GROUND	T	
GRS, GRC	GALVANIZED RIGID STEEL CONDUIT	TB	TERMINAL BLOCK
H HD	HIGH HEAVY DUTY; HIGH DEFINITION	TC TCC	TIME CLOCK TEMPERATURE CONTROLS CONTRACTOR
HG HOA	MERCURY HAND-OFF-AUTOMATIC	TCP TD	TEMPERATURE CONTROL PANEL TIME DELAY
HORIZ HP	HORIZONTAL		TELEPHONE TELECOMMUNICATIONS GROUNDING DUSDAD
HPS	HIGH PRESSURE SODIUM	THD	TOTAL HARMONIC DISTORTION; THREAD
nk HRS/DAY	HOURS PER DAY	TO	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
HT HV	HEIGHT HIGH VOLTAGE	TR TTB	I AMPER RESISTANT TELEPHONE TERMAINAL BOARD
HZ	HERTZ	TV TVSS	TELEVISION TRANSIENT VOLTAGE SURGE SUPPRESSOR
ID IDF	INSIDE DIAMETER	TYP	TYPICAL
IEEE		UC	
IG	ISOLATED GROUND	UG	
IMC IMP	IN LERMEDIATE METAL CONDUIT	UHF UL	ULIKA HIGH FREQUENCY UNDERWRITERS LABORATORY
IN INCAN	INCH INCANDESCENT	UNFIN UNO	UNFINISHED UNLESS NOTED OTHERWISE
INSUL INT	INSULATION; INSULATED		UTILITY UNSHIFI DED TWISTED PAIR
INV EL	INVERTED ELEVATION		
J		VA	
ЪВ		VAR VERT	
K KCMIL	THOUSAND THOUSAND CIRCULAR MILS	VFD VHF	VARIABLE FREQUENCY DRIVE VERY HIGH FREQUENCY
KHZ KK	KILOHERTZ KIRK KEY	VOL	VOLUME
KP KV	KEYPAD KILOVOLT	W W/	WIRE; WATT; WIDE WITH
KVA		WAP	WIRELESS ACCESS POINT
rvak KW	KILOVOLI AMPERE REACTIVE KILOWATT	WG WM	WIRE GUARD "WIREMOLD" (SURFACE RACEWAY)
кWH	KILOWATT-HOUR	WP WT	WEATHERPROOF WEIGHT; WATERTIGHT
L LB	LENGTH; LONG; LUMEN POUND: ELL CONDUIT BODY	XFMR	TRANSFORMER
LED I F	LIGHT EMITTING DIODE	XFER	TRANSFER
		Y	WYE
LO LRA	LOCK OUT LOCKED ROTOR AMPS	 0	DEGREE
LT LTG	LIGHT; LIQUID-TIGHT LIGHTING	$\stackrel{\Delta}{arnothing}$	DELTA PHASE; DIAMETER
LV	POWER LIMITED LOW VOLTAGE	~ # %	POUND; NUMBER PERCENT
M	METER	@	
MA MAG STR	MILLIAMPERE MAGNETIC STARTER	~	APPROXIMA I ELY FEET
MAN	MANUAL MATERIAL		INCHES
MATV	MASTER ANTENNA TELEVISION		
MC	METAL CLAD CABLE; MOTOR CONTROLLER	NO	FALL SYMBOLS ON THIS
MCA	MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER	SHF	ET ARE USED IN THESE
MCB			
MCB MCC MCCB	MOTOR CONTROL CENTER MOLDED CASE CIRCUIT BREAKER		CUMENTS

TYPICAL WIRING DESIGNATIONS	TYPICAL DEVICE DESIGNATIONS		LIGH	IT FIXTURES
INDICATES MINIMUM WIRE SIZE #12 UNI ESS NOTED	'E1'			
OTHERWISE			О Ю	LIGHT, CEILING LIGHT, WALL
	SWITCH LEG — a 1 CIRCUIT NUMBER		\otimes	EXIT SIGN, CEILING
	€,	, 	K⊗ ⊘I	EXIT SIGN, WALL
GROUND CONDUCTOR			r⊗l	EXIT SIGN WITH DIRECTIONAL ARROW,
	Sa SWITCH LEG		Ľ	EMERGENCY LIGHTING UNIT
- PHASE (OR CONTROL) CONDUCTOR	3 3		Ϋ́	
	CIRCUIT DESCRIPTIONS		>	LIGHT FIXTURE DIRECTIONAL AIMING IN
	CIRCUIT NUMBER:		NL	NIGHT LIGHT
	PANEL-CIRCUIT NUMBER (I.E. A1-1)		SWI.	TCHES
ROOM CIRCUIT DESIGNATIONS	MULTIPLE INDIVIDUAL CIRCUIT NUMBERS:	R	<u>0001</u>	
	(I.E. A1-1, A1-3)		S 2	SWITCH, DOUBLE POLE
	2-POLE CIRCUIT NUMBER: PANEL-CIRCUIT NUMBER/CIRCUIT NUMBER		S 3	SWITCH, THREE WAY
		, 	S4 Sк	SWITCH, FOUR WAY SWITCH, KEY OPERATED
* INDIVIDUAL CIRCUITS NUMBERS ARE LOCATED AT	<u>3-POLE CIRCUIT NUMBER</u> PANEL-CIRCUIT NUMBER/CIRCUIT NUMBER/CIRCUIT NUMBEI (LE_A1-1.3.5)	R	SP	SWITCH, WITH PILOT LIGHT
EACH DEVICE ROOM CIRCUIT DESIGNATION SHOWN ABOVE APPLY TO			Swp	
EVERY DEVICE IN THE ROOM UNLESS NOTED OTHERWISE	PANELS		Sx Sd	SWITCH, EXPLOSIONPROOF SWITCH, DIMMER
	PANEL, FLUSH		STS	SWITCH, SPRING WOUND, INTERVAL TIM
ROOM CIRCUIT DESIGNATIONS	PANEL, SURFACE		SDT	SWITCH, DIGITAL INTERVAL TIME SWITCH
WITH RELAY NUMBER	CONTROL PANEL (AS NOTED), FLUSH		SLV	BUTTON
			LV	LIGHTING CONTROL
	POWER EQUIPMENT		MT	MULTI-TECHNOLOGY CEILING OCCUPAN
VIA R-1 - RELAY NUMBER	1-PHASE MOTOR		PI	PASSIVE INFRARED CEILING OCCUPANCY SEN
	SF FUSIBLE BOX COVER SWITCH		\$1	SINGLE POLE WALL OCCUPANCY SENS
RACEWAYS	ENCLOSED SWITCH, NON-FUSIBLE		\$2	TWO POLE WALL OCCUPANCY SENSOR COMBINATION WALL OCCUPANCY SENS
	F ENCLOSED SWITCH, FUSIBLE		\$D PP	DIMMER POWER PACK
CONDUIT, IN WALL OR CEILING	MANUAL MOTOR STARTER		ALCR	AUTOMATIC LOAD CONTROL RELAY (LIG
CONDUIT, EXPOSED	$\square \qquad \square \qquad$		FIRE	ALARM SYSTEMS
	MAGNETIC MOTOR STARTER	DTED		
CONDUIT, TURNING UP CONDUIT, TURNING DOWN	SMALL TRANSFORMER	(IEK	FACP	FIRE ALARM ANNUNCIATOR
CONDUIT, CAPPED	VFD VARIABLE FREQUENCY DRIVE		F	MANUAL PULL STATION
UNDERFLOOR DUCT & JUNCTION BOX, SINGLE SYSTEM			F	FIRE ALARM WALL SPEAKER-STROBE
UNDERFLOOR DUCT & JUNCTION BOX, DUAL SYSTEM	Hee UP/DOWN/STOP PUSHBUTTON		₹ ✓	FIRE ALARM WALL STROBE
J JUNCTION BOX		 	A M	FIRE ALARM CEILING STROBE
P PULL BOX	RECEPTACLES AND OUTLETS		Ē	FIRE ALARM CEILING SPEAKER
			C F	FIRE ALARM BELL
<u>MISCELLANEOUS</u>		 	DH	ELECTRO-MAGNETIC DOOR HOLDER
CLOCK (WALL)	DUPLEX RECEPTACLE ABOVE COUNTERTOP OR TOGGLE	E	R	FIRE ALARM ADDRESSIBLE INTERFACE
	DOUBLE DUPLEX (QUAD) RECEPTACLE ABOVE COUNTER	RTOP OR		DUCT TYPE SMOKE DETECTOR
D BELL	GROUND FAULT CIRCUIT INTERRUPTER (GFCI) DUPLEX	ENI	Ē	HEAT DETECTOR
THERMOSTAT	HORIZONTAL GFCI DUPLEX RECEPTACLE		FS	SPRINKLER FLOW SWITCH
ELECTRICAL GROUND	DOUBLE DUPLEX (QUAD) GFCI RECEPTACLE		15	SPRINKLER TAMPERSWITCH
	GFCI DUPLEX RECEPTACLE ABOVE COUNTERTOP OR TO SWITCH HEIGHT WHERE NO COUNTER IS PRESENT	DGGLE		
	DOUBLE DUPLEX (QUAD) GFCI RECEPTACLE ABOVE COL OR TOGGLE SWITCH HEIGHT WHERE NO COUNTER IS PR	JNTERTOP RESENT		
	GFCI/ WEATHERPROOF DUPLEX RECEPTACLE			
	⊖ SINGLE RECEPTACLE			
	SPECIAL OUTLET OR EQUIPMENT CONNECTION (AS NOT	ED)		
	TYPICAL MOUN	TING	HFI	GHTS
		HEIGHT		
	RECEPTACI E OUTLETS (GENERAL)	16"		
	TELEPHONE & DATA OUTLETS	26"		
	TELEPHONE AND DATA OUTLETS ABOVE 30" HIGH COUNTERTOPS, TELEPHONE AND DATA OUTLETS ABOVE 30" COUNTERTOPS	30		
	RECEPTACLE OUTLETS ABOVE 36" HIGH COUNTERTOPS, TELEPHONE AND DATA OUTLETS ABOVE 36" COUNTERTOPS	42"		
	ELEVATOR AND HOISTWAY CONTROL BUTTONS CARD READERS,	42" TO CEN 48" TO TOP	NTER OF I	DEVICE BOX
	FIRE ALARM STATIONS, PUSH BUTTONS,			
	THERMOSTATS, TOGGLE SWITCHES,			
	WALL INTERCOM STATIONS, WALL TELEPHONE OUTLETS			
	SPECIAL PURPOSE OUTLETS	WITHIN 72"		
	WALL LIGHTING OUTLETS	84" TO CEN		
	CLOCKS	97" TO CEN TOP OF CL	NTER OF (OCK AND	CLOCK, BUT AT LEAST 6" BETWEEN CEILING. ABOVE DOORS CENTER
	BELLS,	CLOCK BE	TWEEN T	OP OF DOOR FRAME AND CEILING DEVICE BOX,BUT AT LEAST 6" BELOW
	BUZZERS, CHIMES	CEILING		
	NOTES:			
	 MOUNTING HEIGHTS ARE TO BOTTOM OF DEVICE BOX 0 COMPLY WITH ACCESSIBILITY CODE. 	UNLESS NOT	ED OTHE	RWISE.

<u>XTURES</u>		GENERAL NOTES:	
CEILING	1.	COORDINATE LOCATIONS OF DEVICES TO BE INSTALLED IN CEILINGS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO INSTALLATION.	R.E. D and As
WALL	2.	120 VOLT CIRCUITS SHALL UTILIZE SEPARATE INDEPENDENT NEUTRAL CONDUCTORS. DO NOT SHARE NEUTRALS.	Consultin
IGN, CEILING IGN, WALL	3.	CONTRACTOR SHALL COORDINATE WITH ALL TRADES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR INCORRECT WORK, OR FOR INFRINGEMENT UPON OTHERS' WORK, DUE TO A LACK OF	
IGN WITH DIRECTIONAL ARROW, CEILING IGN WITH DIRECTIONAL ARROW, WALL GENCY LIGHTING UNIT	4.	DEVICES IN GENERAL SHALL BE CENTERED IN WALL SPACE IN WHICH THEY ARE INSTALLED OR THEY SHALL BE SPACED SYMMETRICALLY (FOR EXAMPLE, CENTER DEVICES WHEN MOUNTED ON FACE OF COLUMNS).	732 North C Indianapolis Phone: (317 Fax: (317) 6
LIGHT FIXTURE GENCY LIGHT FIXTURE	5.	COORDINATE AND VERIFY LOCATIONS OF DEVICES WITH BLOCK COURSING, FINISH MATERIALS, CASEWORK, ETC. PRIOR TO ROUGH-IN.	CERTIFIED E
FIXTURE DIRECTIONAL AIMING INDICATOR	6.	WIRING TO RECEPTACLES ON DEDICATED CIRCUITS SHALL BE A MINIMUM #10 AWG UNLESS OTHERWISE NOTED.	
FS	7.	RECEPTACLES CONNECTED TO EMERGENCY CIRCUITS SHALL BE RED COLOR.	
	8.	WIRING SHALL BE MINIMUM #12 AWG IN 3/4" EMT CONDUIT UNLESS OTHERWISE NOTED OR REQUIRED.	
H, SINGLE POLE H, DOUBLE POLE	9.	COORDINATE LOCATION OF RECEPTACLES AT ELECTRIC WATER COOLERS (EWC) WITH EWC MANUFACTURER. PROVIDE DUPLEX RECEPTACLE SO THAT IT IS CONCEALED BY EWC HOUSING.	
H, THREE WAY H, FOUR WAY	10.	. PLENUM-RATED CABLING (FIRE ALARM, LIGHTING CONTROL, ETC.) SHALL BE CONCEALED ABOVE ACCESSIBLE CEILINGS. FOR CABLES BEING ROUTED THROUGH AREAS WITH EXPOSED STRUCTURE OR INACCESSIBLE CEILINGS, INSTALL CABLES IN MINIMUM 1-INCH CONDUITS.	RI
H, KEY OPERATED H, WITH PILOT LIGHT	11.	. REPLACE EXISTING BLANK COVERPLATES WITH NEW. FINISH/MATERIAL TO MATCH THOSE USED FOR NEW DEVICES.	NO. DE
H, WEATHERPROOF H, EXPLOSIONPROOF	12.	DEVICE BOXES SHALL BE FLUSH MOUNTED AND RACEWAYS SHALL BE CONCEALED WHERE POSSIBLE, OTHERWISE PROVIDE SUFACE METAL RACEWAY.	
H, DIMMER H, SPRING WOUND, INTERVAL TIME SWITCH	13.	WHERE SURFACE DEVICE BOXES ARE PERMITTED, DO NOT USE PLASTER RINGS. USE EXPOSED WORK COVERS INTENDED FOR THE PURPOSE.	
H, DIGITAL INTERVAL TIME SWITCH H. POWER LIMITED LOW VOLTAGE PUSH	14.	. WHERE SURFACE CONDUIT OR EMT IS PERMITTED, DO NOT USE CONDUIT HANGERS LESS THAN 8-FEET AFF. USE ONE- OR TWO-HOLE STRAPS SO THAT NO SHARP EDGES PROTRUDE FROM THE WALL.	
N R LIMITED LOW VOLTAGE TOUCHSCREEN	15.	. EXISTING CONCEALED RACEWAYS AND DEVICE BOXES MAY BE REUSED IN PLACE IF DEEMED CODE COMPLIANT AND IN GOOD CONDITION. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION.	
NG CONTROL TECHNOLOGY CEILING OCCUPANCY SENSOR	16	. PROVIDE FLUSH BACK BOXES AND CONCEALED RACEWAYS FOR THERMOSTATS. SEE MECHANICAL DRAWINGS FOR LOCATIONS.	
SONIC CEILING OCCUPANCY SENSOR	17.	. A MAXIMUM OF THREE SINGLE-PHASE CIRCUITS SHALL BE INSTALLED IN A SINGLE CONDUIT.	
/E INFRARED CEILING OCCUPANCY SENSOR E POLE WALL OCCUPANCY SENSOR	18.	. PROVIDE FIRESTOPPING AT PENETRATIONS THROUGH FIRE-RATED CONSTRUCTION.	
OLE WALL OCCUPANCY SENSOR	19.	. DEVICES ON WALLS SHALL BE INDIVIDUALLY FED FROM ABOVE (I.E. DO NOT INSTALL RACEWAYS HORIZONTALLY IN WALL UNLESS APPROVED).	
R R PACK	20.	. INSTALL ABOVE-CEILING RACEWAYS AT LEAST 7-INCHES ABOVE CEILING TO ALLOW FOR REMOVAL OF CEILING TILES AND LIGHTS.	
	 	GENERAL NOTES - DEMOLITION:	
LARM CONTROL PANEL	1.	FIELD VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. THESE DRAWINGS DO NOT SHOW ALL REQUIRED DEMOLITION WORK. SOME CONDITIONS MAY HAVE BEEN CONCEALED DURING FIELD	
LARM ANNUNCIATOR	1 	SURVEYS.	
AL PULL STATION	2.	DEVICES AND EQUIPMENT SHOWN DASHED AND WITH HEAVY LINE WEIGHT ON DEMOLITION DRAWINGS SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL WIRING TO SOURCE, UNLESS OTHERWISE	SS
LARM WALL SPEAKER-STROBE	 	NOTED.	
LARM WALL STROBE	3.	DISPOSAL OF DEMOLISHED MATERIALS SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS	
LARM CEILING STROBE	1		
LARM CEILING SPEAKER-STROBE	· 4.	CONSTRUCTION. ANY FACILITIES DAMAGED OR DISCONNECTED BY CONTRACTOR SHALL BE IMMEDIATELY RESTORED TO PREVIOUS CONDITION.	
	5.	OWNER SHALL HAVE "RIGHT OF FIRST REFUSAL" FOR DEMOLISHED ITEMS. CONTRACTOR SHALL	ш
LARM BELL	 	COORDINATE WITH OWNER PRIOR TO BEGINNING WORK TO DETERMINE WHAT ITEMS THE OWNER MAY BE INTERESTED IN KEEPING CONTRACTOR SHALL CAREFULLY REMOVE SUCH ITEMS AND DELIVER TO	F
RO-MAGNETIC DOOR HOLDER	 	OWNER'S DESIGNATED STORAGE AREA. FOR ITEMS DEEMED OBSOLETE BY THE OWNER,	
LARM ADDRESSIBLE INTERFACE DEVICE.		NOTED.	
DELECTRIC SMOKE DETECTOR TYPE SMOKE DETECTOR	6.	FOR MECHANICAL EQUIPMENT BEING REMOVED, REMOVE ASSOCIATED DISCONNECTS, CONTROLLERS, WIRING, ETC. COMPLETE. VERIFY WITH MECHANICAL CONTRACTOR.	V
DETECTOR KLER FLOW SWITCH	7.	FOR EQUIPMENT OR DEVICES BEING REMOVED FROM WALLS THAT WILL REMAIN, PROVIDE BLANK COVERPLATE.	N N
KLER TAMPERSWITCH	8.	PROVIDE ADEQUATE SUPPORT FOR EXISTING CABLING/RACEWAYS ABOVE CEILING AS REQUIRED. REMOVE OBSOLETE CABLING, WIRING, RACEWAYS, ETC.	

REMOVE ASSOCIATED ELECTRICAL FOR ANY EXISTING EQUIPMENT BEING REMOVED BY ANY TRADE. REFER TO ALL DRAWINGS.

10. CONTRACTOR SHALL REMOVE EXISTING DEVICES ON WALLS BEING REMOVED, WHETHER DEVICES ARE SHOWN OR NOT, UNLESS OTHERWISE INSTRUCTED.

12. PATCH EXISTING HOLES THROUGH WALLS AND FLOORS WHERE EXIST REMOVED. S ARE

5	
X	
X	
R FRAME AND CEILING	
X,BUT AT LEAST 6" BELOW	

11. COORDINATE SCHEDULING OF DEMOLITION WORK WITH OWNER AND TRADES.
12. PATCH EXISTING HOLES THROUGH WALLS AND FLOORS WHERE EXISTING RACEWAYS OR CABLES A REMOVED.

PROJECT DESCRIPTION:	THEATE	
DRAWN BY:		DESIGN
SCALE:		CHECK

SYME	
SHEET DESCRIPTION:	
01/21/2025	
DATE:	JOB NO
REFER TO DRAWING	

SHEET NUMBER:







DEMOLITION LEGEND:

WORK TO BE REMOVED WORK TO REMAIN

GENERAL NOTES:

1. SEE E001 FOR GENERAL NOTES.

PLAN NOTES:

- 1. REPLACE RECEPTACLE AND COVERPLATE. SEE E211.
- 2. REPLACE LIGHT SWITCH AND COVERPLATE. SEE E201.
- 3. EXHAUST FAN ON WALL TO REMAIN.
- EXISTING PULL BOX, RELATED CONDUIT AND WIRING TO REMAIN. SEAL EXISTING CONDUIT THROUGH EXTERIOR WALL TO STOP OUTSIDE AIR INFILTRATION.
- 5. REMOVE LIGHT FIXTURE AND WIRING. TYPICAL.
- 6. FIRE ALARM DEVICE TO REMAIN. REWORK AS REQUIRED FOR NEW WORK.
- 7. EXHAUST FAN ON ROOF TO REMAIN.
- 8. VOLUME CONTROL TO REMAIN. CLEAN AND RELABEL AS DIRECTED.
- 9. TELECOM JACK TO REMAIN.
- REMOVE CLOCK RECEPTACLE AND WIRING. PROVIDE BLANK COVERPLATE.
- 11. REMOVE WIRING AND SURFACE RACEWAY TO FAN COIL UNIT.
- 12. REMOVE DEVICE AND WIRING IN ITS ENTIRETY. REMOVE ANY ASSOCIATED SURFACE RACEWAY. PROVIDE BLANK COVERPLATE AS NECESSARY.
- 13. REMOVE FIRE ALARM DEVICE AND SALVAGE FOR REUSE. SEE E211.
- 14. REPLACE 3-WAY SWITCH WITH PILOT LIGHT TO CONTROL EXHAUST FAN. SEE E211.

2 3

15. REMOVE MAKEUP LIGHTING AND ASSOCIATED WIRING AND

L NOTES:	732 North Capitol Aver Indianapolis, IN 46204 Phone: (317) 634-4672 Fax: (317) 638-8725	lue
TES: ACLE AND COVERPLATE. SEE E211. WITCH AND COVERPLATE. SEE E201. WALL TO REMAIN. X, RELATED CONDUIT AND WIRING TO REMAIN.	CERTIFIED BY:	
TRATION. (TURE AND WIRING. TYPICAL. CE TO REMAIN. REWORK AS REQUIRED FOR NEW		DNS:
ROOF TO REMAIN. LI TO REMAIN. CLEAN AND RELABEL AS DIRECTED. DREMAIN. ECEPTACLE AND WIRING. PROVIDE BLANK IND SURFACE RACEWAY TO FAN COIL UNIT. IND WIRING IN ITS ENTIRETY. REMOVE ANY FACE RACEWAY. PROVIDE BLANK COVERPLATE AS RM DEVICE AND SALVAGE FOR REUSE. SEE E211. WITCH WITH PILOT LIGHT TO CONTROL EXHAUST LIGHTING AND ASSOCIATED WIRING AND	PROJECT DESCRIPTION: INDIANA STATE UNIVERSITY THEATER BUILDING DRESSING ROOM / REST ROOM REMODEL	536 N 7th St., Terre Haute, IN 47809
	 SCALE: C REFER TO DRAWING	HECKED BY:
	DATE: 01/21/2025 SHEET DESCRIPTION: FLOOR F ELECTR DEMOL	24110 PLAN - RICAL TION
	¹⁶ ED2	201







	INTERIO	R LIGH	it fi	XT	URE	SCł
MARK	DESCRIPTION	MOUNTING	WATTS	CRI	COLOR	LUMEN
F1	2 BY 4-FOOT FLAT PANEL, ACRYLIC LENS, BACK-LIT, 0-10V DIMMING TO 10-PERCENT	RECESSED	40 W	80	3500K	4000
F2	SAME AS F1 EXCEPT WILL BE 2 BY 2-FOOT.	RECESSED	38 W	80	3500K	4000
F3	OPEN DOWNLIGHT, 6-INCH DIAMETER APERTURE, CLEAR SEMI-SPECULAR REFLECTOR, SELF FLANGED, 0-10V DIMMING TO 10-PERCENT, NON-IC RATED.	RECESSED	15 W	80	3500K	1100
F4	MAKE-UP STATION LIGHTS. SEE ELEVATION ON E201. MED LAMP SOCKETS, 9-INCHES ON CENTER, ROUND WIRE LAMP GUARDS, MITERED CORNERS, EXTRUDED ALUMINIUM CHANNEL, METALIC FINISH SELECTED BY ARCHITECHT FROM MANUFACTURER'S STANDARD CATALOG OF AVAILABLE FINISHES. COORDINATE LAMP WITH OWNER - LED 'A' LAMP, 3000K, 60W EQUIVALENT AS DIRECTED BY OWNER.	SURFACE WALL	10 W	LED	3000K	-

- 2. UPDATE PANEL CIRCUIT DIRECTORY. COORDINATE WITH ENGINEER.

- 2. EXISTING FIRE ALARM DEVICE TO REMAIN. REWORK AS REQUIRED.

- FOR CLOTHES DRYER. WIRE WITH #10 CONDUCTORS.
- 7. PROVIDE DEVICE ABOVE COUNTER. SEE ELEVATION ON E201 FOR
- 8. INSTALL DEVICE ABOVE COUNTER. COORDINATE LOCATION WITH
- 9. EXISTING ROOF EXHAUST FAN TO REMAIN. REFEED AS REQUIRED.
- 10. PROVIDE (1) 30A-2P CIRCUIT BREAKER IN SPACES 37 AND 39, AND (4) 20A-1P BREAKERS IN SPACES 38, 40, 41, AND 42 IN EXISTING PANEL
- 12. PROVIDE TOGGLE SWITCHES WITH PILOT LIGHT TO CONTROL RECEPTACLE CIRCUITS AT MAKEUP COUNTER, WITH PILOT LIGHTS IN CORRIDOR. PILOT LIGHTS TO BE ON WHEN POWER IS ON AT

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NO.	DESCRIPT	ION
	THEATER BUILDING DRESSING ROOM / REST ROOM REMODEL	
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