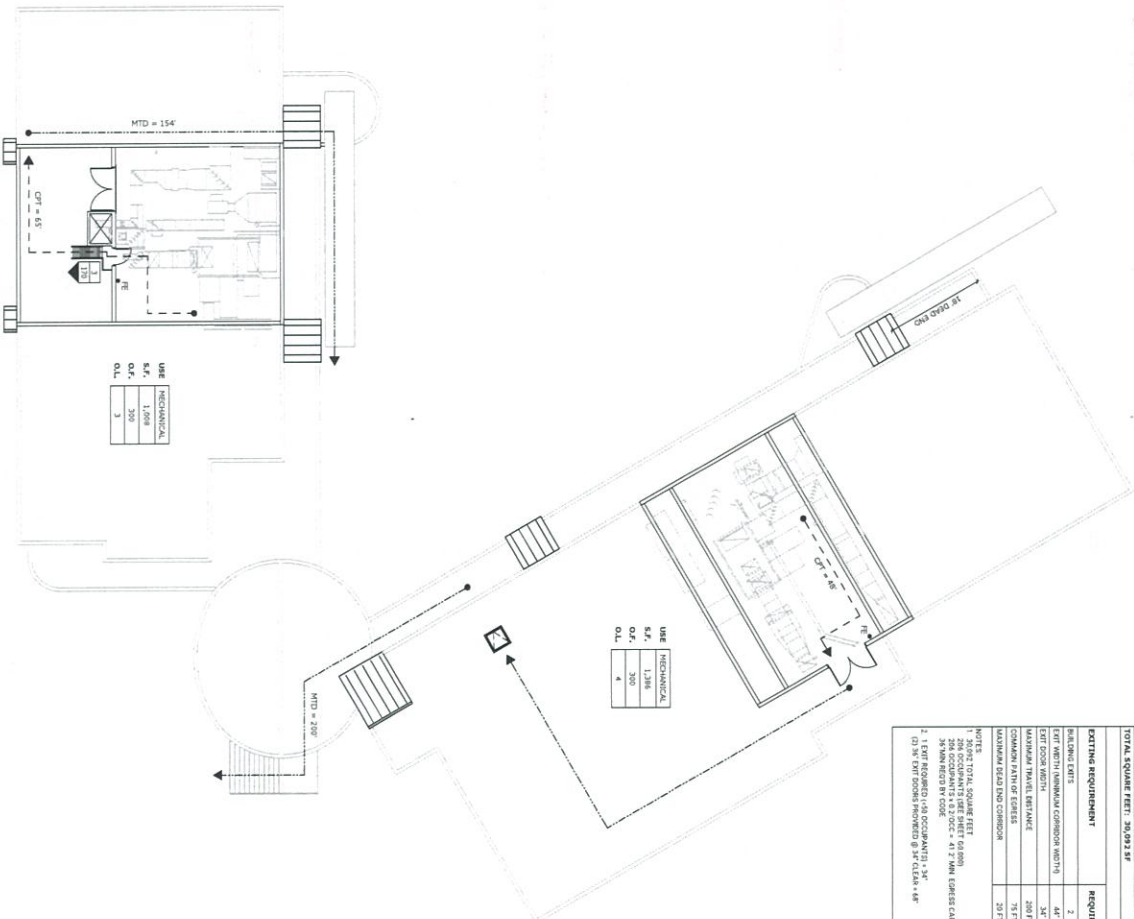
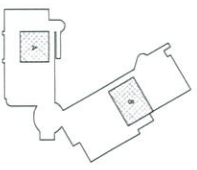


N
LIFE SAFETY PLAN
3/27 = 1-07



N
KEY PLAN
1/04 = 1-07



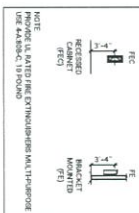
LIFE SAFETY SUMMARY

TOTAL ALTERNATION SQUARE FEET:	2,294 SF	TOTAL ALTERNATION OCCUPANTS:	7
TOTAL SQUARE FEET:	26,923 SF	TOTAL OCCUPANTS:	298

EXISTING REQUIREMENT	REQUIRED	EXISTING	REQUIRED	CODE SECTION
BUILDING EGRESS	2	2	2	IBC BUILDING SECTION 1004.2.2
EFT WITH MINIMUM COMMON WIDTH	48"	72"	72"	IBC NOTE #1
EFT ROOM WIDTH	34"	66"	66"	IBC NOTE #2
MAXIMUM TRAVEL DISTANCE	200 FT	154 FT	154 FT	IBC BUILDING SECTION 1017.2
COMMON PATH OF EGRESS	75 FT	65 FT	48 FT	IBC BUILDING SECTION 1024.2.1
MAXIMUM DEAD END COMMON	29 FT	0 FT	18 FT	IBC BUILDING SECTION 1024.8

LIFE SAFETY NOTES

- TO THE BEST OF THE ARCHITECT'S KNOWLEDGE, THE PROPOSED MECHANICAL ROOMS, CORRIDORS AND EGRESS ARE IN ACCORDANCE WITH THE LOCAL SAFETY AGENCY HAVING JURISDICTION.
- THESE DOCUMENTS HAVE BEEN PREPARED TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 101, LIFE SAFETY CODE, WITH THE AMENDMENTS WITH CHANGES ACT DATED 05/01/2018.
- CONSTRUCTION TO OCCUPANT ALTERNATE EGRESS ELECTRICAL CHANGES REFER TO ELECTRICAL CONTRACTORS AND OTHER TRADES.
- GENERAL REFERENCE TO THE OWNER WILL BE MADE TO THE SPECIFICATIONS AND ANY NEW/ALTERNATE ELEMENTS.



LIFE SAFETY LEGEND

SYMBOL	LEGEND
MD = 1'-0"	MAXIMUM TRAVEL DISTANCE
CF = 1'-0"	COMMON PATH OF TRAVEL
STARTING POINT OF TRAVEL DISTANCE	STARTING POINT OF TRAVEL DISTANCE
EXIT (FURNISH)	EXIT (FURNISH)
EXIT (MARK)	EXIT (MARK)
EXTINGUISHER WALL	EXTINGUISHER WALL
SHOWING	SHOWING
X = OCCUPANTS USING EXIT	X = OCCUPANTS USING EXIT
Y = EXIT CAPACITY	Y = EXIT CAPACITY
O.L.F. = OCCUPANT LOAD	O.L.F. = OCCUPANT LOAD
S.F. = AREA	S.F. = AREA
O.F. = O.L.F.	O.F. = O.L.F.
O.L. MAX OCC.	O.L. MAX OCC.

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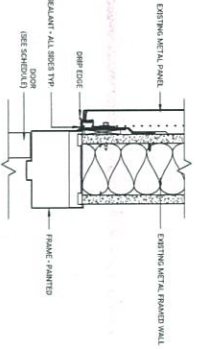
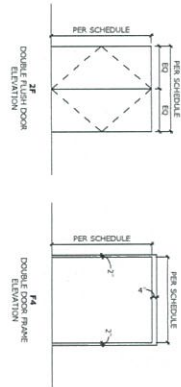
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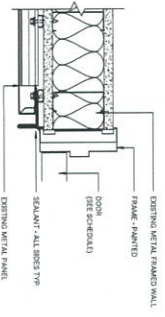
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AHU REPLACEMENT

SHEET NAME: LIFE SAFETY PLAN
SHEET NO.: G1.101
PROJECT NO.: 21-076

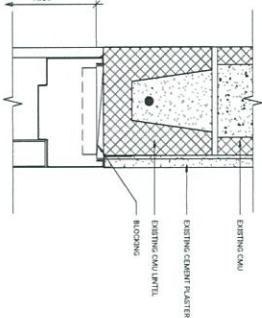
DOOR SCHEDULE												
NUMBER	WIDTH	HEIGHT	TYPE	MATERIAL	TYPE	MATERIAL	TYPE	FRAME FINISHING	HEAD DETAIL	JAMB DETAIL	THRESHOLD	MARKETS
301A	8'-0"	7'-0"	1 3/4"	HOLLOW METAL	2"	HOLLOW METAL	PA	•	301A.1S1	402A.1S1	501A.1S1	1, 2, 3, 4, 5
302	8'-0"	7'-0"	1 3/4"	HOLLOW METAL	2"	HOLLOW METAL	PA	•	302A.1S1	402A.1S1	502A.1S1	1, 2, 3, 4



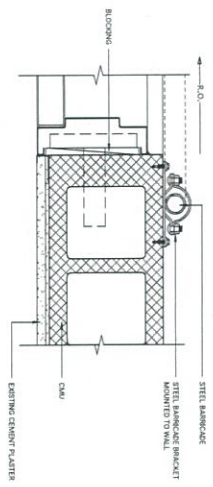
1) HN DOOR DETAIL - HEAD TYP.
3" x 1'-0"



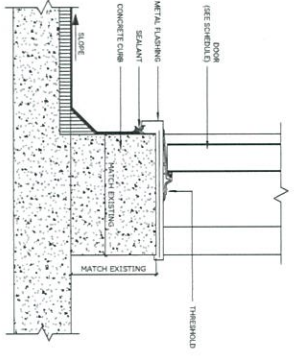
2) HN DOOR DETAIL - JAMB TYP.
3" x 1'-0"



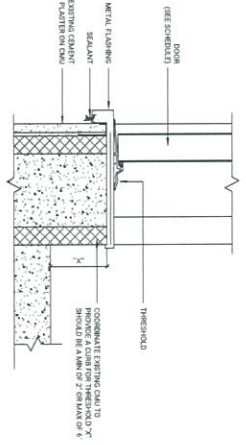
3) DOOR DETAIL - CMU JAMB
3" x 1'-0"



4) DOOR DETAIL - CMU JAMB
3" x 1'-0"



5) DOOR DETAIL - CURB & THRESHOLD
3" x 1'-0"



6) DOOR DETAIL - CURB & THRESHOLD
3" x 1'-0"

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- DOOR NOTES**
1. ALL HARDWARE TO MEET APPLICABLE LOCAL, STATE AND FEDERAL CODES.
 2. CONSTRUCTION TO PREP DOORS AS NECESSARY TO MEET ALL APPLICABLE HARDWARE.
 3. ALL HARDWARE SHALL BE INSTALLED TO MEET ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES. HARDWARE SHALL BE INSTALLED TO MEET ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.
 4. ALL STATION SLABS TO RELATE TO UNITS & CURB THRESHOLD.
 5. ALL HOLLOW METAL FRAMES TO BE PAINTED CONFORMANT HARDWARE.
 6. DOOR HARDWARE TO BE LEVELS 512.04.

- DOOR KERNOTES**
1. WEATHER STRIPPING AROUND DOOR.
 2. DRIP EDGE ABOVE DOOR.
 3. HARDWARE TO MATCH EXISTING STANDARDS.
 4. HARDWARE ON OCCUPABLE EDGE.

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Architect

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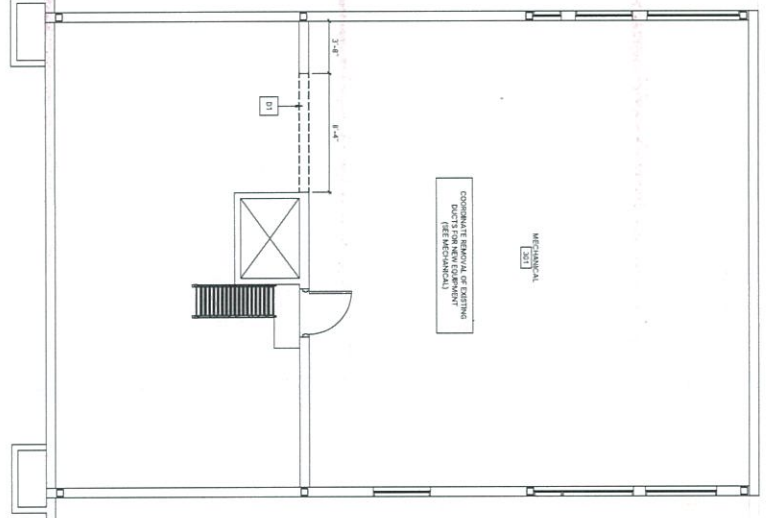
DOOR SCHEDULE & TYPES

DATE	REVISION	HISTORY	BY

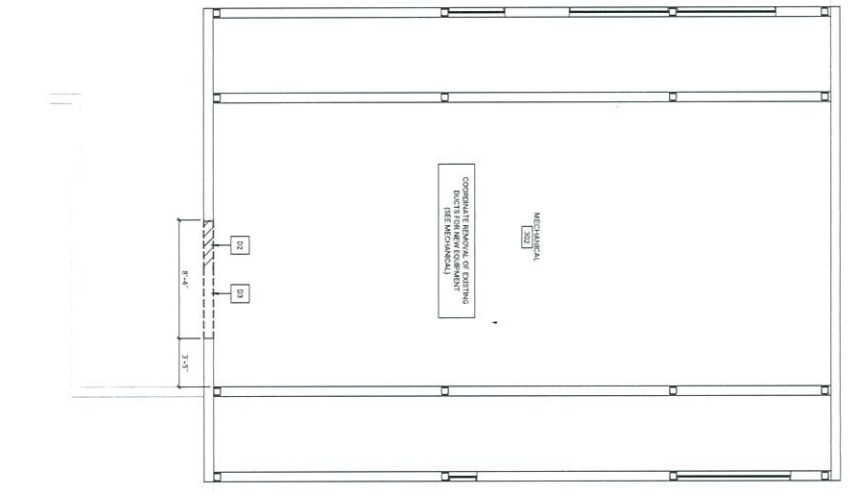
PROJECT NO: 21-076
SHEET NO: G2.101

DEMOLITION LEGEND	
	CONTINUOUS LINES REMAIN
	DASHED LINES REPRESENT ITEMS TO BE REMOVED

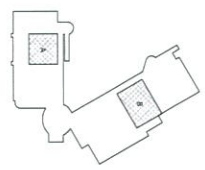
DEMOLITION KEYNOTES	
NUMBER	DESCRIPTION
D1	DATE GRADING FOR NEW CONCRETE FOOTING (AND DETAILS)
D2	PREPARE AREA FOR EXTENSION OF EXISTING CURB
D3	REMOVE EXISTING 2 X 7 DOOR AND OPENING PERFORM TO ACCOMMODATE NEW DOOR



1 DEMOLITION PLAN - BUILDING A
1/4" = 1'-0"



2 DEMOLITION PLAN - BUILDING B
1/4" = 1'-0"



3 KEY PLAN
1/8" = 1'-0"

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- DEMOLITION NOTES**
- FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES IN FIELD VERIFY TO ALL OF DEMOLITION WORK.
 - INCLUDE THE DEMOLITION CONTRACTOR IN TO VERIFY THE RECORDS OF EXISTING CONDITIONS AND ALL DEMOLITION CONTRACTING AND NEW CONSTRUCTION QUALITY.
 - COST OF REPAIR TO ANY ADJACENT CONDITIONS SHOULD BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - ITEMS ARE TO BE RETURNED TO THE BUILDING WHICH ITEMS ARE TO BE RETURNED.
 - THE BUILDING SHELFER SHALL BE MAINTAINED IN A WATER TIGHT CONDITION AT ALL TIMES.
 - PROTECT ALL STRUCTURAL MEMBERS FROM EXISTING STRUCTURES AND INTERIOR.
 - SET MECHANICAL, ELECTRICAL, AND PLUMBING CONDITIONS FOR EXTENSION OF EXISTING AND MECHANICAL, PLUMBING, OR CONDUIT SYSTEMS AS REQUIRED FOR NEW APPROVED CODES.
 - REMOVE EXISTING INSURES WHERE NEW INSURES ARE PROVIDED PATCH AND REPAIR ALL AS REQUIRED. SMALL FINISH DEMOLITION WALL TO WALL TO RECEIVE NEW FINISHES AS DIRECTED BY FINISH PLAN, SPECIFICS, AND NOTES.

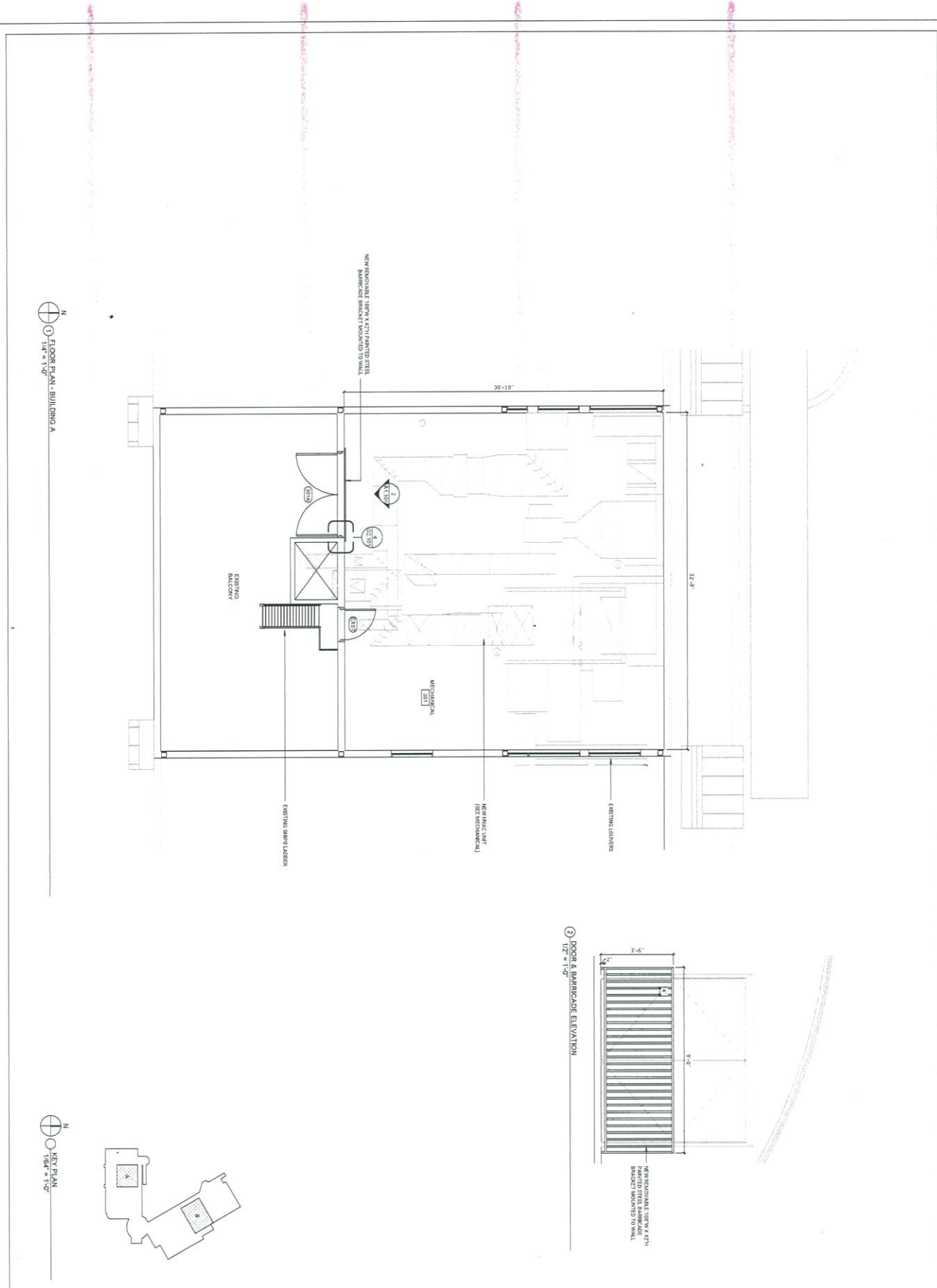
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SHEET NAME:
DEMOLITION PLAN - BUILDING A & B

DATE	REVISION	BY
09/15/2023	PERMIT SET	HAZEL

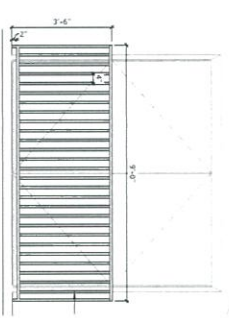
PROJECT NO: 21-076
SHEET NO: A0.010



1 FLOOR PLAN - BUILDING A
1/4" = 1'-0"

2 KEY PLAN
1/8" = 1'-0"

3 DOOR & BARRICADE ELEVATION
1/2" = 1'-0"



NEW REINFORCING IRON W/ 4\"/>

FLOOR PLAN NOTES

- DO NOT SCALE THESE DRAWINGS
- THE SIZES OF THE DIMENSIONS IN THIS DRAWING ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE SIZES OF THE DIMENSIONS AND MAKE ANY NECESSARY ADJUSTMENTS TO THE DRAWING TO MATCH THE ACTUAL CONDITIONS ON THE JOB. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS AND MAKE ANY NECESSARY ADJUSTMENTS TO THE DRAWING TO MATCH THE ACTUAL CONDITIONS ON THE JOB.
- ALL DIMENSIONS ON FLOOR PLANS ARE FROM FACE OF STUD TO FACE OF WALL UNLESS NOTED OTHERWISE. ALL DIMENSIONS ON ELEVATIONS ARE TO INSIDE FACE OF STRUCTURE.



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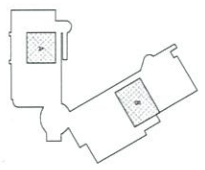
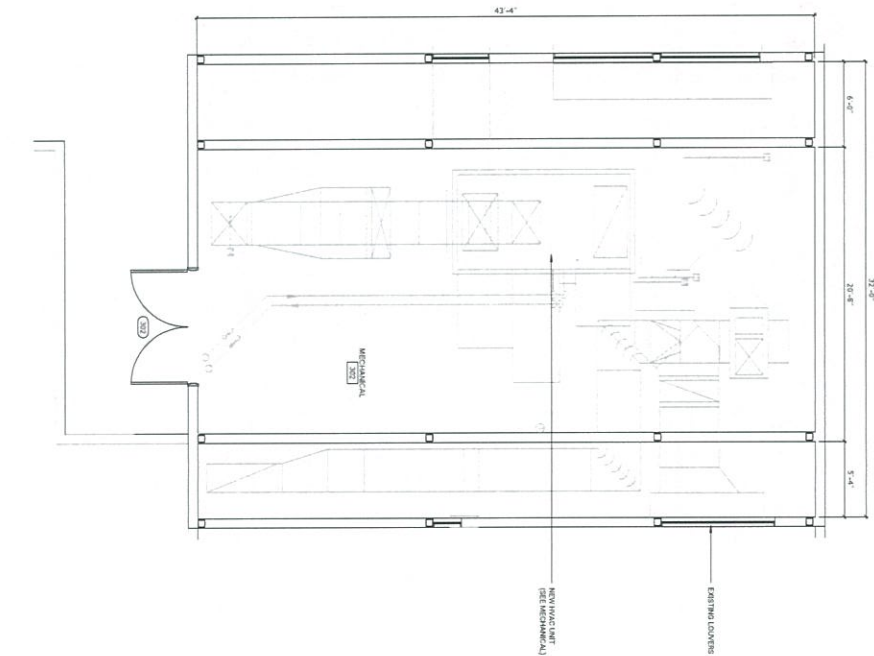
DAYTONA STATE COLLEGE
AHU REPLACEMENT
1152 COLLEGE BLVD., DAYTONA, FL 32224

DATE	REVISION	BY

PROJECT NO: 21-076
SHEET NO: A1.101

⊕ FLOOR PLAN - BUILDING B
1/4" = 1'-0"

⊕ KEY PLAN
1/4" = 1'-0"



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DENVER, CO 80202
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www.houseman.com

FLOOR PLAN NOTES

1. DO NOT SCALE THESE DRAWINGS.
2. THE INTENT OF THESE DRAWINGS IS TO LOCATE, IDENTIFY, AND DESCRIBE THE EXISTING MECHANICAL EQUIPMENT AND FINISHED SPACE. DIMENSIONS AND LOCATIONS ARE GIVEN TO VARY THE PROJECT FROM TO CONSTRUCTION AND CONSTRUCTION OF ANY DISCREPANCIES WHICH AFFECT THE PURPOSES OF THESE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CORRECTED BEFORE PROCEEDING WITH THE WORK.
3. ALL DIMENSIONS ON FLOOR PLAN ARE FROM FACE OF STUD TO STUB OF WALL, UNLESS NOTED AS TO INSIDE FACE OF STRUCTURE.

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DAYTONA, FL 32724

SHEET NAME: FLOOR PLAN - BUILDING B

DATE	REVISION	BY

PROJECT NO: 21-076
SHEET NO: A1.102

GENERAL NOTES

1. PROVIDE ALL MATERIAL AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERATIONAL MECHANICAL AND ELECTRICAL SYSTEMS.
2. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING THE INSTALLATION OF DUCTWORK, PIPING, AND ELECTRICAL SYSTEMS.
3. THE CONTRACTOR IS DELETED TO OBTAIN ALL MATERIALS IN SUFFICIENT TIME TO AVOID DELAYING THE COMPLETION OF THE PROJECT. DELAYS IN DELIVERIES WILL NOT BE CONSIDERED A VALID REASON FOR SUBSTITUTION OF MATERIALS.
4. ALL MATERIALS SHALL COMPLY WITH THE 2009 FLORIDA BUILDING CODE AND ALL OTHER APPLICABLE CODES AND STANDARDS.
5. ALL REQUESTS FOR INFORMATION (RFIs) SUBMITTED BY THE CONTRACTOR SHALL INCLUDE A PROPOSED SOLUTION.
6. INSTALLATION OF EQUIPMENT SHALL COMPLY WITH EQUIPMENT MANUFACTURER'S INSTALLATION AND CLEARANCE REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACQUISITION OF EQUIPMENT.
7. THE ORIGINAL CONTRACTOR SHALL COORDINATE THE WORK OF THE PRESENT TRADES SO THAT INTERFERENCE BETWEEN PLUMBING, ELECTRICAL, MECHANICAL, AND ELECTRICAL WORK WILL BE AVOIDED. ALL NECESSARY CORRECTIVE WORK SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR AT HIS COST ANY DAMAGED TRADES DUE TO WORK PERFORMED UNDER THIS CONTRACT.
9. CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
10. INSULATE ALL SERVICES SUBJECT TO CONDENSATION.
11. ALL DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE THE INTERNAL CLEAR DIMENSIONS.
12. INSULATE ALL DUCTWORK AND BALK-OFFS TO PREVENT CONDENSATION.
13. ALL NEW SUPPLY AND RETURN DUCTWORK SHALL BE GALVANIZED STEEL EXTERNALLY INSULATED WITH 22 MGD MINIMUM OF 8 MILS ALL JOINTS AND SEAMS WITH DAVIS FABRIC. MANUFACTURER'S INSTRUCTIONS SHALL BE A REFER TO ARCHITECTURAL AND/OR STRUCTURAL SHEETS FOR JOINTS/SEAMS/DETAILS.
14. PROVIDE A RAINFALL TIGHT CONCRETE UNDERSTANDING PAD WITH 4" RAINFALL TIGHT AND DAMPERED EDGE ALL AROUND FOR ALL INTERIOR FLOOR MOUNTED MECHANICAL EQUIPMENT.
15. PROVIDE A RAINFALL TIGHT CONCRETE UNDERSTANDING PAD WITH 4" RAINFALL TIGHT AND DAMPERED EDGE ALL AROUND FOR ALL EXTERIOR FLOOR MOUNTED MECHANICAL EQUIPMENT.
16. PROVIDE A RAINFALL TIGHT CONCRETE UNDERSTANDING PAD WITH 4" RAINFALL TIGHT AND DAMPERED EDGE ALL AROUND FOR ALL FIELD COLUMNS OF GALVANIZED STEEL SPINNERS AND THEROSTATS.
17. PROVIDE A RAINFALL TIGHT CONCRETE UNDERSTANDING PAD WITH 4" RAINFALL TIGHT AND DAMPERED EDGE ALL AROUND FOR ALL FIELD COLUMNS OF GALVANIZED STEEL SPINNERS AND THEROSTATS.
18. THE BUILDING HAS AN EXISTING FLEX DUCT SYSTEM. PROVIDE A DUCT CONNECTOR TO THE EXISTING FLEX DUCT SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACQUISITION OF EQUIPMENT.
19. PROVIDE A RAINFALL TIGHT CONCRETE UNDERSTANDING PAD WITH 4" RAINFALL TIGHT AND DAMPERED EDGE ALL AROUND FOR ALL FIELD COLUMNS OF GALVANIZED STEEL SPINNERS AND THEROSTATS.
20. THE CONTRACTOR SHALL PERFORM A COMPLETE TEST AND BALANCE REPORT OF EACH MECHANICAL SYSTEM CORNER OF THE COMPLETED TEST AND BALANCE REPORT TO THE OWNER FOR REVIEW.

MECHANICAL ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AA	ALUMINUM
AC	ALUMINUM CLAD
AD	ALUMINUM DUCT
AE	ALUMINUM EXTERIOR
AF	ALUMINUM FINISH
AG	ALUMINUM GROUND
AH	ALUMINUM HANGING
AI	ALUMINUM INSULATION
AJ	ALUMINUM JOINT
AK	ALUMINUM KITCHEN
AL	ALUMINUM LATH
AM	ALUMINUM MOUNTING
AN	ALUMINUM NAIL
AO	ALUMINUM OILING
AP	ALUMINUM PAPER
AQ	ALUMINUM QUARTZ
AR	ALUMINUM RAIN
AS	ALUMINUM SCHEDULE
AT	ALUMINUM THEROSTAT
AV	ALUMINUM VALVE
AW	ALUMINUM WALL
AX	ALUMINUM WINDOW
AY	ALUMINUM YIELD
AZ	ALUMINUM ZINC
BA	BALANCE
BB	BALANCE BOARD
BC	BALANCE BOARD CONTROL
BD	BALANCE BOARD DAMPER
BE	BALANCE BOARD EXHAUST
BF	BALANCE BOARD FLOW
BG	BALANCE BOARD GROUND
BH	BALANCE BOARD HANGING
BI	BALANCE BOARD INSULATION
BJ	BALANCE BOARD JOINT
BK	BALANCE BOARD KITCHEN
BL	BALANCE BOARD LATH
BM	BALANCE BOARD MOUNTING
BN	BALANCE BOARD NAIL
BO	BALANCE BOARD OILING
BP	BALANCE BOARD PAPER
BQ	BALANCE BOARD QUARTZ
BR	BALANCE BOARD RAIN
BS	BALANCE BOARD SCHEDULE
BT	BALANCE BOARD THEROSTAT
BV	BALANCE BOARD VALVE
BW	BALANCE BOARD WALL
BX	BALANCE BOARD WINDOW
BY	BALANCE BOARD YIELD
BZ	BALANCE BOARD ZINC
CA	CANOPY
CB	CANOPY BOARD
CC	CANOPY BOARD CONTROL
CD	CANOPY BOARD DAMPER
CE	CANOPY BOARD EXHAUST
CF	CANOPY BOARD FLOW
CG	CANOPY BOARD GROUND
CH	CANOPY BOARD HANGING
CI	CANOPY BOARD INSULATION
CJ	CANOPY BOARD JOINT
CK	CANOPY BOARD KITCHEN
CL	CANOPY BOARD LATH
CM	CANOPY BOARD MOUNTING
CN	CANOPY BOARD NAIL
CO	CANOPY BOARD OILING
CP	CANOPY BOARD PAPER
CQ	CANOPY BOARD QUARTZ
CR	CANOPY BOARD RAIN
CS	CANOPY BOARD SCHEDULE
CT	CANOPY BOARD THEROSTAT
CV	CANOPY BOARD VALVE
CW	CANOPY BOARD WALL
CX	CANOPY BOARD WINDOW
CY	CANOPY BOARD YIELD
CZ	CANOPY BOARD ZINC
DA	DAMPEN
DB	DAMPEN BOARD
DC	DAMPEN BOARD CONTROL
DD	DAMPEN BOARD DAMPER
DE	DAMPEN BOARD EXHAUST
DF	DAMPEN BOARD FLOW
DG	DAMPEN BOARD GROUND
DH	DAMPEN BOARD HANGING
DI	DAMPEN BOARD INSULATION
DJ	DAMPEN BOARD JOINT
DK	DAMPEN BOARD KITCHEN
DL	DAMPEN BOARD LATH
DM	DAMPEN BOARD MOUNTING
DN	DAMPEN BOARD NAIL
DO	DAMPEN BOARD OILING
DP	DAMPEN BOARD PAPER
DQ	DAMPEN BOARD QUARTZ
DR	DAMPEN BOARD RAIN
DS	DAMPEN BOARD SCHEDULE
DT	DAMPEN BOARD THEROSTAT
DV	DAMPEN BOARD VALVE
DW	DAMPEN BOARD WALL
DX	DAMPEN BOARD WINDOW
DY	DAMPEN BOARD YIELD
DZ	DAMPEN BOARD ZINC
EA	EXHAUST
EB	EXHAUST BOARD
EC	EXHAUST BOARD CONTROL
ED	EXHAUST BOARD DAMPER
EE	EXHAUST BOARD EXHAUST
EF	EXHAUST BOARD FLOW
EG	EXHAUST BOARD GROUND
EH	EXHAUST BOARD HANGING
EI	EXHAUST BOARD INSULATION
EJ	EXHAUST BOARD JOINT
EK	EXHAUST BOARD KITCHEN
EL	EXHAUST BOARD LATH
EM	EXHAUST BOARD MOUNTING
EN	EXHAUST BOARD NAIL
EO	EXHAUST BOARD OILING
EP	EXHAUST BOARD PAPER
EQ	EXHAUST BOARD QUARTZ
ER	EXHAUST BOARD RAIN
ES	EXHAUST BOARD SCHEDULE
ET	EXHAUST BOARD THEROSTAT
EV	EXHAUST BOARD VALVE
EW	EXHAUST BOARD WALL
EX	EXHAUST BOARD WINDOW
EY	EXHAUST BOARD YIELD
EZ	EXHAUST BOARD ZINC
FA	FAN
FB	FAN BOARD
FC	FAN BOARD CONTROL
FD	FAN BOARD DAMPER
FE	FAN BOARD EXHAUST
FF	FAN BOARD FLOW
FG	FAN BOARD GROUND
FH	FAN BOARD HANGING
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FK	FAN BOARD KITCHEN
FL	FAN BOARD LATH
FM	FAN BOARD MOUNTING
FN	FAN BOARD NAIL
FO	FAN BOARD OILING
FP	FAN BOARD PAPER
FQ	FAN BOARD QUARTZ
FR	FAN BOARD RAIN
FS	FAN BOARD SCHEDULE
FT	FAN BOARD THEROSTAT
FV	FAN BOARD VALVE
FW	FAN BOARD WALL
FX	FAN BOARD WINDOW
FY	FAN BOARD YIELD
FZ	FAN BOARD ZINC
GA	GALVANIZED
GB	GALVANIZED BOARD
GC	GALVANIZED BOARD CONTROL
GD	GALVANIZED BOARD DAMPER
GE	GALVANIZED BOARD EXHAUST
GF	GALVANIZED BOARD FLOW
GG	GALVANIZED BOARD GROUND
GH	GALVANIZED BOARD HANGING
GI	GALVANIZED BOARD INSULATION
GJ	GALVANIZED BOARD JOINT
GK	GALVANIZED BOARD KITCHEN
GL	GALVANIZED BOARD LATH
GM	GALVANIZED BOARD MOUNTING
GN	GALVANIZED BOARD NAIL
GO	GALVANIZED BOARD OILING
GP	GALVANIZED BOARD PAPER
GQ	GALVANIZED BOARD QUARTZ
GR	GALVANIZED BOARD RAIN
GS	GALVANIZED BOARD SCHEDULE
GT	GALVANIZED BOARD THEROSTAT
GV	GALVANIZED BOARD VALVE
GW	GALVANIZED BOARD WALL
GX	GALVANIZED BOARD WINDOW
GY	GALVANIZED BOARD YIELD
GZ	GALVANIZED BOARD ZINC
HA	HANGING
HB	HANGING BOARD
HC	HANGING BOARD CONTROL
HD	HANGING BOARD DAMPER
HE	HANGING BOARD EXHAUST
HF	HANGING BOARD FLOW
HG	HANGING BOARD GROUND
HH	HANGING BOARD HANGING
HI	HANGING BOARD INSULATION
HJ	HANGING BOARD JOINT
HK	HANGING BOARD KITCHEN
HL	HANGING BOARD LATH
HM	HANGING BOARD MOUNTING
HN	HANGING BOARD NAIL
HO	HANGING BOARD OILING
HP	HANGING BOARD PAPER
HQ	HANGING BOARD QUARTZ
HR	HANGING BOARD RAIN
HS	HANGING BOARD SCHEDULE
HT	HANGING BOARD THEROSTAT
HV	HANGING BOARD VALVE
HW	HANGING BOARD WALL
HX	HANGING BOARD WINDOW
HY	HANGING BOARD YIELD
HZ	HANGING BOARD ZINC
IA	INSULATION
IB	INSULATION BOARD
IC	INSULATION BOARD CONTROL
ID	INSULATION BOARD DAMPER
IE	INSULATION BOARD EXHAUST
IF	INSULATION BOARD FLOW
IG	INSULATION BOARD GROUND
IH	INSULATION BOARD HANGING
II	INSULATION BOARD INSULATION
IJ	INSULATION BOARD JOINT
IK	INSULATION BOARD KITCHEN
IL	INSULATION BOARD LATH
IM	INSULATION BOARD MOUNTING
IN	INSULATION BOARD NAIL
IO	INSULATION BOARD OILING
IP	INSULATION BOARD PAPER
IQ	INSULATION BOARD QUARTZ
IR	INSULATION BOARD RAIN
IS	INSULATION BOARD SCHEDULE
IT	INSULATION BOARD THEROSTAT
IV	INSULATION BOARD VALVE
IW	INSULATION BOARD WALL
IX	INSULATION BOARD WINDOW
IY	INSULATION BOARD YIELD
IZ	INSULATION BOARD ZINC
JA	JOINT
JB	JOINT BOARD
JC	JOINT BOARD CONTROL
JD	JOINT BOARD DAMPER
JE	JOINT BOARD EXHAUST
JF	JOINT BOARD FLOW
JG	JOINT BOARD GROUND
JH	JOINT BOARD HANGING
JI	JOINT BOARD INSULATION
JJ	JOINT BOARD JOINT
JK	JOINT BOARD KITCHEN
JL	JOINT BOARD LATH
JM	JOINT BOARD MOUNTING
JN	JOINT BOARD NAIL
JO	JOINT BOARD OILING
JP	JOINT BOARD PAPER
JQ	JOINT BOARD QUARTZ
JR	JOINT BOARD RAIN
JS	JOINT BOARD SCHEDULE
JT	JOINT BOARD THEROSTAT
JV	JOINT BOARD VALVE
JW	JOINT BOARD WALL
JX	JOINT BOARD WINDOW
JY	JOINT BOARD YIELD
JZ	JOINT BOARD ZINC
KA	KITCHEN
KB	KITCHEN BOARD
KC	KITCHEN BOARD CONTROL
KD	KITCHEN BOARD DAMPER
KE	KITCHEN BOARD EXHAUST
KF	KITCHEN BOARD FLOW
KG	KITCHEN BOARD GROUND
KH	KITCHEN BOARD HANGING
KI	KITCHEN BOARD INSULATION
KJ	KITCHEN BOARD JOINT
KK	KITCHEN BOARD KITCHEN
KL	KITCHEN BOARD LATH
KM	KITCHEN BOARD MOUNTING
KN	KITCHEN BOARD NAIL
KO	KITCHEN BOARD OILING
KP	KITCHEN BOARD PAPER
KQ	KITCHEN BOARD QUARTZ
KR	KITCHEN BOARD RAIN
KS	KITCHEN BOARD SCHEDULE
KT	KITCHEN BOARD THEROSTAT
KV	KITCHEN BOARD VALVE
KW	KITCHEN BOARD WALL
KX	KITCHEN BOARD WINDOW
KY	KITCHEN BOARD YIELD
KZ	KITCHEN BOARD ZINC
LA	LATH
LB	LATH BOARD
LC	LATH BOARD CONTROL
LD	LATH BOARD DAMPER
LE	LATH BOARD EXHAUST
LF	LATH BOARD FLOW
LG	LATH BOARD GROUND
LH	LATH BOARD HANGING
LI	LATH BOARD INSULATION
LJ	LATH BOARD JOINT
LK	LATH BOARD KITCHEN
LL	LATH BOARD LATH
LM	LATH BOARD MOUNTING
LN	LATH BOARD NAIL
LO	LATH BOARD OILING
LP	LATH BOARD PAPER
LQ	LATH BOARD QUARTZ
LR	LATH BOARD RAIN
LS	LATH BOARD SCHEDULE
LT	LATH BOARD THEROSTAT
LV	LATH BOARD VALVE
LW	LATH BOARD WALL
LX	LATH BOARD WINDOW
LY	LATH BOARD YIELD
LZ	LATH BOARD ZINC
MA	MOUNTING
MB	MOUNTING BOARD
MC	MOUNTING BOARD CONTROL
MD	MOUNTING BOARD DAMPER
ME	MOUNTING BOARD EXHAUST
MF	MOUNTING BOARD FLOW
MG	MOUNTING BOARD GROUND
MH	MOUNTING BOARD HANGING
MI	MOUNTING BOARD INSULATION
MJ	MOUNTING BOARD JOINT
MK	MOUNTING BOARD KITCHEN
ML	MOUNTING BOARD LATH
MM	MOUNTING BOARD MOUNTING
MN	MOUNTING BOARD NAIL
MO	MOUNTING BOARD OILING
MP	MOUNTING BOARD PAPER
MQ	MOUNTING BOARD QUARTZ
MR	MOUNTING BOARD RAIN
MS	MOUNTING BOARD SCHEDULE
MT	MOUNTING BOARD THEROSTAT
MV	MOUNTING BOARD VALVE
MW	MOUNTING BOARD WALL
MX	MOUNTING BOARD WINDOW
MY	MOUNTING BOARD YIELD
MZ	MOUNTING BOARD ZINC
NA	NAIL
NB	NAIL BOARD
NC	NAIL BOARD CONTROL
ND	NAIL BOARD DAMPER
NE	NAIL BOARD EXHAUST
NF	NAIL BOARD FLOW
NG	NAIL BOARD GROUND
NH	NAIL BOARD HANGING
NI	NAIL BOARD INSULATION
NJ	NAIL BOARD JOINT
NK	NAIL BOARD KITCHEN
NL	NAIL BOARD LATH
NM	NAIL BOARD MOUNTING
NN	NAIL BOARD NAIL
NO	NAIL BOARD OILING
NP	NAIL BOARD PAPER
NQ	NAIL BOARD QUARTZ
NR	NAIL BOARD RAIN
NS	NAIL BOARD SCHEDULE
NT	NAIL BOARD THEROSTAT
NV	NAIL BOARD VALVE
NW	NAIL BOARD WALL
NX	NAIL BOARD WINDOW
NY	NAIL BOARD YIELD
NZ	NAIL BOARD ZINC
OA	OILING
OB	OILING BOARD
OC	OILING BOARD CONTROL
OD	OILING BOARD DAMPER
OE	OILING BOARD EXHAUST
OF	OILING BOARD FLOW
OG	OILING BOARD GROUND
OH	OILING BOARD HANGING
OI	OILING BOARD INSULATION
OJ	OILING BOARD JOINT
OK	OILING BOARD KITCHEN
OL	OILING BOARD LATH
OM	OILING BOARD MOUNTING
ON	OILING BOARD NAIL
OO	OILING BOARD OILING
OP	OILING BOARD PAPER
OQ	OILING BOARD QUARTZ
OR	OILING BOARD RAIN
OS	OILING BOARD SCHEDULE
OT	OILING BOARD THEROSTAT
OV	OILING BOARD VALVE
OW	OILING BOARD WALL
OX	OILING BOARD WINDOW
OY	OILING BOARD YIELD
OZ	OILING BOARD ZINC
PA	PAPER
PB	PAPER BOARD
PC	PAPER BOARD CONTROL
PD	PAPER BOARD DAMPER
PE	PAPER BOARD EXHAUST
PF	PAPER BOARD FLOW
PG	PAPER BOARD GROUND
PH	PAPER BOARD HANGING
PI	PAPER BOARD INSULATION
PJ	PAPER BOARD JOINT
PK	PAPER BOARD KITCHEN
PL	PAPER BOARD LATH
PM	PAPER BOARD MOUNTING
PN	PAPER BOARD NAIL
PO	PAPER BOARD OILING
PP	PAPER BOARD PAPER
PQ	PAPER BOARD QUARTZ
PR	PAPER BOARD RAIN
PS	PAPER BOARD SCHEDULE
PT	PAPER BOARD THEROSTAT
PV	PAPER BOARD VALVE
PW	PAPER BOARD WALL
PX	PAPER BOARD WINDOW
PY	PAPER BOARD YIELD
PZ	PAPER BOARD ZINC
QA	QUARTZ
QB	QUARTZ BOARD
QC	QUARTZ BOARD CONTROL
QD	QUARTZ BOARD DAMPER
QE	QUARTZ BOARD EXHAUST
QF	QUARTZ BOARD FLOW
QG	QUARTZ BOARD GROUND
QH	QUARTZ BOARD HANGING
QI	QUARTZ BOARD INSULATION
QJ	QUARTZ BOARD JOINT
QK	QUARTZ BOARD KITCHEN
QL	QUARTZ BOARD LATH
QM	QUARTZ BOARD MOUNTING
QN	QUARTZ BOARD NAIL
QO	QUARTZ BOARD OILING
QP	QUARTZ BOARD PAPER
QQ	QUARTZ BOARD QUARTZ
QR	QUARTZ BOARD RAIN
QS	QUARTZ BOARD SCHEDULE
QT	QUARTZ BOARD THEROSTAT
QV	QUARTZ BOARD VALVE
QW	QUARTZ BOARD WALL
QX	QUARTZ BOARD WINDOW
QY	QUARTZ BOARD YIELD
QZ	QUARTZ BOARD ZINC
RA	RAIN
RB	RAIN BOARD
RC	RAIN BOARD CONTROL
RD	RAIN BOARD DAMPER
RE	RAIN BOARD EXHAUST
RF	RAIN BOARD FLOW
RG	RAIN BOARD GROUND
RH	RAIN BOARD HANGING
RI	RAIN BOARD INSULATION
RJ	RAIN BOARD JOINT
RK	RAIN BOARD KITCHEN
RL	RAIN BOARD LATH
RM	RAIN BOARD MOUNTING
RN	RAIN BOARD NAIL
RO	RAIN BOARD OILING
RP	RAIN BOARD PAPER
RQ	RAIN BOARD QUARTZ
RR	RAIN BOARD RAIN
RS	RAIN BOARD SCHEDULE
RT	RAIN BOARD THEROSTAT
RV	RAIN BOARD VALVE
RW	RAIN BOARD WALL
RX	RAIN BOARD WINDOW
RY	RAIN BOARD YIELD
RZ	RAIN BOARD ZINC
SA	SCHEDULE
SB	SCHEDULE BOARD
SC	SCHEDULE BOARD CONTROL
SD	SCHEDULE BOARD DAMPER
SE	SCHEDULE BOARD EXHAUST
SF	SCHEDULE BOARD FLOW
SG	SCHEDULE BOARD GROUND
SH	SCHEDULE BOARD HANGING
SI	SCHEDULE BOARD INSULATION
SJ	SCHEDULE BOARD JOINT
SK	SCHEDULE BOARD KITCHEN
SL	SCHEDULE BOARD LATH
SM	SCHEDULE BOARD MOUNTING
SN	SCHEDULE BOARD NAIL
SO	SCHEDULE BOARD OILING
SP	SCHEDULE BOARD PAPER
SQ	SCHEDULE BOARD QUARTZ
SR	SCHEDULE BOARD RAIN
SS	SCHEDULE BOARD SCHEDULE
ST	SCHEDULE BOARD THEROSTAT
SV	SCHEDULE BOARD VALVE
SW	SCHEDULE BOARD WALL
SX	SCHEDULE BOARD WINDOW
SY	SCHEDULE BOARD YIELD
SZ	SCHEDULE BOARD ZINC
TA	THEROSTAT
TB	THEROSTAT BOARD
TC	THEROSTAT BOARD CONTROL
TD	THEROSTAT BOARD DAMPER
TE	THEROSTAT BOARD EXHAUST
TF	THEROSTAT BOARD FLOW
TG	THEROSTAT BOARD GROUND
TH	THEROSTAT BOARD HANGING
TI	THEROSTAT BOARD INSULATION
TJ	THEROSTAT BOARD JOINT
TK	THEROSTAT BOARD KITCHEN
TL	THEROSTAT BOARD LATH
TM	THEROSTAT BOARD MOUNTING
TN	THEROSTAT BOARD NAIL
TO	THEROSTAT BOARD OILING
TP	THEROSTAT BOARD PAPER
TQ	THEROSTAT BOARD QUARTZ
TR	THEROSTAT BOARD RAIN
TS	THEROSTAT BOARD SCHEDULE
TT	THEROSTAT BOARD THEROSTAT
TV	THEROSTAT BOARD VALVE
TW	THEROSTAT BOARD WALL
TX	THEROSTAT BOARD WINDOW
TY	THEROSTAT BOARD YIELD
TZ	THEROSTAT BOARD ZINC
UA	VALVE
UB	VALVE BOARD
UC	VALVE BOARD CONTROL
UD	VALVE BOARD DAMPER
UE	VALVE BOARD EXHAUST
UF	VALVE BOARD FLOW
UG	VALVE BOARD GROUND
UH	VALVE BOARD HANGING
UI	VALVE BOARD INSULATION
UJ	VALVE BOARD JOINT
UK	VALVE BOARD KITCHEN
UL	VALVE BOARD LATH
UM	VALVE BOARD MOUNTING
UN	VALVE BOARD NAIL
UO	VALVE BOARD OILING
UP	VALVE BOARD PAPER
UQ	VALVE BOARD QUARTZ
UR	VALVE BOARD RAIN
US	VALVE BOARD SCHEDULE
UT	VALVE BOARD THEROSTAT
UV	VALVE BOARD VALVE
UW	VALVE BOARD WALL
UX	VALVE BOARD WINDOW
UY	VALVE BOARD YIELD
UZ	VALVE BOARD ZINC
VA	WALL
VB	WALL BOARD
VC	WALL BOARD CONTROL
VD	WALL BOARD DAMPER
VE	WALL BOARD EXHAUST
VF	WALL BOARD FLOW
VG	WALL BOARD GROUND
VH	WALL BOARD HANGING
VI	WALL BOARD INSULATION
VJ	WALL BOARD JOINT
VK	WALL BOARD KITCHEN
VL	W

GENERAL NOTE

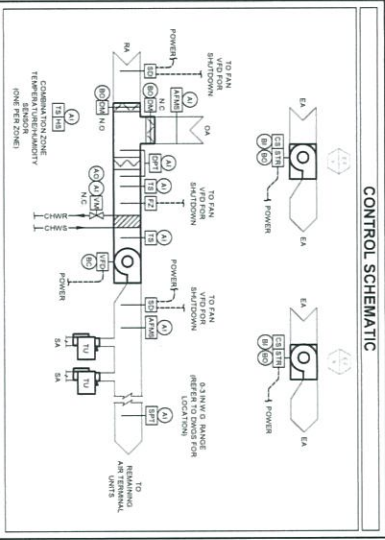
ALL CONTROLS SHALL BE MANUFACTURED BY JOHNSON CONTROLS, INC. (JCI) UNLESS OTHERWISE NOTED. THE JCI CONTROL SYSTEMS SHALL BE PROGRAMMED AND WIRING SHALL BE IN ACCORDANCE WITH THE JCI PROGRAMMING AND WIRING MANUALS. THE JCI CONTROL SYSTEMS SHALL BE PROGRAMMED AND WIRING SHALL BE IN ACCORDANCE WITH THE JCI PROGRAMMING AND WIRING MANUALS. THE JCI CONTROL SYSTEMS SHALL BE PROGRAMMED AND WIRING SHALL BE IN ACCORDANCE WITH THE JCI PROGRAMMING AND WIRING MANUALS.

TYPICAL VAV AHU SEQUENCE OF OPERATION

SEQUENCE OF OPERATION: VARIABLE AIR VOLUME AIR HANDLING UNIT WITH AIR TERMINAL UNITS

STARTUP:

THE AIR SUPPLY FAN SHALL BE STARTED AND STOPPED BY THE BUILDING MANAGEMENT SYSTEM (BMS) BASED ON OCCUPANCY SCHEDULE. THE FAN START SHALL BE SENSITIVE TO SAFETY RISKS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE.



AIR HANDLING UNITS

1. AHU 100

2. AHU 101

3. AHU 102

4. AHU 103

5. AHU 104

6. AHU 105

7. AHU 106

8. AHU 107

9. AHU 108

10. AHU 109

11. AHU 110

12. AHU 111

13. AHU 112

14. AHU 113

15. AHU 114

16. AHU 115

17. AHU 116

18. AHU 117

19. AHU 118

20. AHU 119

21. AHU 120

22. AHU 121

23. AHU 122

24. AHU 123

25. AHU 124

26. AHU 125

27. AHU 126

28. AHU 127

29. AHU 128

30. AHU 129

31. AHU 130

32. AHU 131

33. AHU 132

34. AHU 133

35. AHU 134

36. AHU 135

37. AHU 136

38. AHU 137

39. AHU 138

40. AHU 139

41. AHU 140

42. AHU 141

43. AHU 142

44. AHU 143

45. AHU 144

46. AHU 145

47. AHU 146

48. AHU 147

49. AHU 148

50. AHU 149

51. AHU 150

52. AHU 151

53. AHU 152

54. AHU 153

55. AHU 154

56. AHU 155

57. AHU 156

58. AHU 157

59. AHU 158

60. AHU 159

61. AHU 160

62. AHU 161

63. AHU 162

64. AHU 163

65. AHU 164

66. AHU 165

67. AHU 166

68. AHU 167

69. AHU 168

70. AHU 169

71. AHU 170

72. AHU 171

73. AHU 172

74. AHU 173

75. AHU 174

76. AHU 175

77. AHU 176

78. AHU 177

79. AHU 178

80. AHU 179

81. AHU 180

82. AHU 181

83. AHU 182

84. AHU 183

85. AHU 184

86. AHU 185

87. AHU 186

88. AHU 187

89. AHU 188

90. AHU 189

91. AHU 190

92. AHU 191

93. AHU 192

94. AHU 193

95. AHU 194

96. AHU 195

97. AHU 196

98. AHU 197

99. AHU 198

100. AHU 199

101. AHU 200

TYPICAL VARIABLE AIR VOLUME AHU WITH TERMINAL UNITS CONTROLS

1. THE AIR SUPPLY FAN SHALL BE STARTED AND STOPPED BY THE BUILDING MANAGEMENT SYSTEM (BMS) BASED ON OCCUPANCY SCHEDULE. THE FAN START SHALL BE SENSITIVE TO SAFETY RISKS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE.

2. THE AIR SUPPLY FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE.

3. THE AIR SUPPLY FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE.

4. THE AIR SUPPLY FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE.

5. THE AIR SUPPLY FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE.

6. THE AIR SUPPLY FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE.

7. THE AIR SUPPLY FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE.

8. THE AIR SUPPLY FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE.

9. THE AIR SUPPLY FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE.

10. THE AIR SUPPLY FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE. THE FAN SHALL BE STOPPED BY THE BMS BASED ON OCCUPANCY SCHEDULE.

TYPICAL CONTROL POINTS LIST

CONTROL POINT	FUNCTION	LOCATION	TYPE
AHU 100	START/STOP	AHU 100	1
AHU 101	START/STOP	AHU 101	1
AHU 102	START/STOP	AHU 102	1
AHU 103	START/STOP	AHU 103	1
AHU 104	START/STOP	AHU 104	1
AHU 105	START/STOP	AHU 105	1
AHU 106	START/STOP	AHU 106	1
AHU 107	START/STOP	AHU 107	1
AHU 108	START/STOP	AHU 108	1
AHU 109	START/STOP	AHU 109	1
AHU 110	START/STOP	AHU 110	1
AHU 111	START/STOP	AHU 111	1
AHU 112	START/STOP	AHU 112	1
AHU 113	START/STOP	AHU 113	1
AHU 114	START/STOP	AHU 114	1
AHU 115	START/STOP	AHU 115	1
AHU 116	START/STOP	AHU 116	1
AHU 117	START/STOP	AHU 117	1
AHU 118	START/STOP	AHU 118	1
AHU 119	START/STOP	AHU 119	1
AHU 120	START/STOP	AHU 120	1
AHU 121	START/STOP	AHU 121	1
AHU 122	START/STOP	AHU 122	1
AHU 123	START/STOP	AHU 123	1
AHU 124	START/STOP	AHU 124	1
AHU 125	START/STOP	AHU 125	1
AHU 126	START/STOP	AHU 126	1
AHU 127	START/STOP	AHU 127	1
AHU 128	START/STOP	AHU 128	1
AHU 129	START/STOP	AHU 129	1
AHU 130	START/STOP	AHU 130	1
AHU 131	START/STOP	AHU 131	1
AHU 132	START/STOP	AHU 132	1
AHU 133	START/STOP	AHU 133	1
AHU 134	START/STOP	AHU 134	1
AHU 135	START/STOP	AHU 135	1
AHU 136	START/STOP	AHU 136	1
AHU 137	START/STOP	AHU 137	1
AHU 138	START/STOP	AHU 138	1
AHU 139	START/STOP	AHU 139	1
AHU 140	START/STOP	AHU 140	1
AHU 141	START/STOP	AHU 141	1
AHU 142	START/STOP	AHU 142	1
AHU 143	START/STOP	AHU 143	1
AHU 144	START/STOP	AHU 144	1
AHU 145	START/STOP	AHU 145	1
AHU 146	START/STOP	AHU 146	1
AHU 147	START/STOP	AHU 147	1
AHU 148	START/STOP	AHU 148	1
AHU 149	START/STOP	AHU 149	1
AHU 150	START/STOP	AHU 150	1
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AHU 162	START/STOP	AHU 162	1
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AHU 166	START/STOP	AHU 166	1
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AHU 177	START/STOP	AHU 177	1
AHU 178	START/STOP	AHU 178	1
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AHU 192	START/STOP	AHU 192	1
AHU 193	START/STOP	AHU 193	1
AHU 194	START/STOP	AHU 194	1
AHU 195	START/STOP	AHU 195	1
AHU 196	START/STOP	AHU 196	1
AHU 197	START/STOP	AHU 197	1
AHU 198	START/STOP	AHU 198	1
AHU 199	START/STOP	AHU 199	1
AHU 200	START/STOP	AHU 200	1

HOUSEMAN
ARCHITECTURE

515 S. BROADWAY, SUITE 1000, DENVER, CO 80202
303.733.4444 | www.houseman.com

Digitally signed
by Kyle J Carlier
Date: 2022.08.31
17:29:28-0400

DAYTON STATE COLLEGE
MECHANICAL

1155 CH. 147 N. DENVER, CO 80202

SKANS O'BRIEN

1155 CH. 147 N. DENVER, CO 80202

PROJECT NO: 22-807

SHEET NO: M5.102

PART 1. DESCRIPTION

- 31. EXAMINATION
 - A. VERIFY THE PROJECT SUPPLY IS AVAILABLE TO CONTROL, LIMIT AND OPERATOR WORKSTATION.
- 32. INSTALLATION
 - A. RECONSTRUCTIVE REPAIRS, LIMITS, WORKMAN, ALL FEATURES OF PROGRAMS TO SPECIFIED REQUIREMENTS AND AS APPROVED BY THE CONTRACTOR.
 - B. VERIFY LOCATION OF TRANSDUCERS, HUBS, AND OTHER CONTROL DEVICES, SENSORS, AND SENSORS ARE CORRECTLY INSTALLED AND OPERATING.
 - C. VERIFY LOCATION OF TRANSDUCERS, HUBS, AND OTHER CONTROL DEVICES, SENSORS, AND SENSORS ARE CORRECTLY INSTALLED AND OPERATING.
 - D. VERIFY LOCATION OF TRANSDUCERS, HUBS, AND OTHER CONTROL DEVICES, SENSORS, AND SENSORS ARE CORRECTLY INSTALLED AND OPERATING.
 - E. VERIFY LOCATION OF TRANSDUCERS, HUBS, AND OTHER CONTROL DEVICES, SENSORS, AND SENSORS ARE CORRECTLY INSTALLED AND OPERATING.

- 33. ADJUSTING
 - A. CALIBRATE TRANSDUCERS TEST FOR BOTH LINEARITY AND ACCURACY FOR EACH TRANSDUCER.
 - B. CALIBRATE TRANSDUCERS TEST FOR BOTH LINEARITY AND ACCURACY FOR EACH TRANSDUCER.
 - C. CALIBRATE TRANSDUCERS TEST FOR BOTH LINEARITY AND ACCURACY FOR EACH TRANSDUCER.
 - D. CALIBRATE TRANSDUCERS TEST FOR BOTH LINEARITY AND ACCURACY FOR EACH TRANSDUCER.
 - E. CALIBRATE TRANSDUCERS TEST FOR BOTH LINEARITY AND ACCURACY FOR EACH TRANSDUCER.

- 34. TESTING
 - A. TEST THE SYSTEM FOR PROPER OPERATION AND RECORD THE RESULTS.
 - B. TEST THE SYSTEM FOR PROPER OPERATION AND RECORD THE RESULTS.
 - C. TEST THE SYSTEM FOR PROPER OPERATION AND RECORD THE RESULTS.
 - D. TEST THE SYSTEM FOR PROPER OPERATION AND RECORD THE RESULTS.
 - E. TEST THE SYSTEM FOR PROPER OPERATION AND RECORD THE RESULTS.

- 35. MATERIALS
 - A. ALL MATERIALS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - B. ALL MATERIALS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - C. ALL MATERIALS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - D. ALL MATERIALS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - E. ALL MATERIALS SHALL BE AS SPECIFIED IN THE SCHEDULE.

- 36. FABRICATION
 - A. FABRICATE ALL METALWORK TO THE SCHEDULE.
 - B. FABRICATE ALL METALWORK TO THE SCHEDULE.
 - C. FABRICATE ALL METALWORK TO THE SCHEDULE.
 - D. FABRICATE ALL METALWORK TO THE SCHEDULE.
 - E. FABRICATE ALL METALWORK TO THE SCHEDULE.

- 37. PAINTING
 - A. PAINT ALL METALWORK TO THE SCHEDULE.
 - B. PAINT ALL METALWORK TO THE SCHEDULE.
 - C. PAINT ALL METALWORK TO THE SCHEDULE.
 - D. PAINT ALL METALWORK TO THE SCHEDULE.
 - E. PAINT ALL METALWORK TO THE SCHEDULE.

PART 2. PRODUCTS

- 21. CONTROL VALVES
 - A. CONTROL VALVES SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - B. CONTROL VALVES SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - C. CONTROL VALVES SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - D. CONTROL VALVES SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - E. CONTROL VALVES SHALL BE AS SPECIFIED IN THE SCHEDULE.

- 22. TRANSDUCERS
 - A. TRANSDUCERS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - B. TRANSDUCERS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - C. TRANSDUCERS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - D. TRANSDUCERS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - E. TRANSDUCERS SHALL BE AS SPECIFIED IN THE SCHEDULE.

- 23. VALVES
 - A. VALVES SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - B. VALVES SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - C. VALVES SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - D. VALVES SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - E. VALVES SHALL BE AS SPECIFIED IN THE SCHEDULE.

- 24. PIPING
 - A. PIPING SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - B. PIPING SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - C. PIPING SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - D. PIPING SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - E. PIPING SHALL BE AS SPECIFIED IN THE SCHEDULE.

- 25. FITTINGS
 - A. FITTINGS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - B. FITTINGS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - C. FITTINGS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - D. FITTINGS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - E. FITTINGS SHALL BE AS SPECIFIED IN THE SCHEDULE.

- 26. SUPPORTS
 - A. SUPPORTS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - B. SUPPORTS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - C. SUPPORTS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - D. SUPPORTS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - E. SUPPORTS SHALL BE AS SPECIFIED IN THE SCHEDULE.

PART 3. EXECUTION

- 31. PREPARATION
 - A. PREPARE THE WORK AREA FOR INSTALLATION.
 - B. PREPARE THE WORK AREA FOR INSTALLATION.
 - C. PREPARE THE WORK AREA FOR INSTALLATION.
 - D. PREPARE THE WORK AREA FOR INSTALLATION.
 - E. PREPARE THE WORK AREA FOR INSTALLATION.

- 32. INSTALLATION
 - A. INSTALL THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - B. INSTALL THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - C. INSTALL THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - D. INSTALL THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - E. INSTALL THE TRANSDUCERS AND VALVES TO THE SCHEDULE.

- 33. ADJUSTING
 - A. ADJUST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - B. ADJUST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - C. ADJUST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - D. ADJUST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - E. ADJUST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.

- 34. TESTING
 - A. TEST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - B. TEST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - C. TEST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - D. TEST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - E. TEST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.

- 35. MATERIALS
 - A. MATERIALS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - B. MATERIALS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - C. MATERIALS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - D. MATERIALS SHALL BE AS SPECIFIED IN THE SCHEDULE.
 - E. MATERIALS SHALL BE AS SPECIFIED IN THE SCHEDULE.

- 36. FABRICATION
 - A. FABRICATE ALL METALWORK TO THE SCHEDULE.
 - B. FABRICATE ALL METALWORK TO THE SCHEDULE.
 - C. FABRICATE ALL METALWORK TO THE SCHEDULE.
 - D. FABRICATE ALL METALWORK TO THE SCHEDULE.
 - E. FABRICATE ALL METALWORK TO THE SCHEDULE.

PART 4. MAINTENANCE

- 41. MAINTENANCE
 - A. MAINTAIN THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - B. MAINTAIN THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - C. MAINTAIN THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - D. MAINTAIN THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - E. MAINTAIN THE TRANSDUCERS AND VALVES TO THE SCHEDULE.

- 42. REPAIRS
 - A. REPAIR THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - B. REPAIR THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - C. REPAIR THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - D. REPAIR THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - E. REPAIR THE TRANSDUCERS AND VALVES TO THE SCHEDULE.

- 43. REPLACEMENT
 - A. REPLACE THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - B. REPLACE THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - C. REPLACE THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - D. REPLACE THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - E. REPLACE THE TRANSDUCERS AND VALVES TO THE SCHEDULE.

- 44. TESTING
 - A. TEST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - B. TEST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - C. TEST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - D. TEST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.
 - E. TEST THE TRANSDUCERS AND VALVES TO THE SCHEDULE.



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DATE: 08/21/2022
TIME: 11:00 AM
PROJECT: 22-807

Digitally signed
by Kyle J. Cartier
Date: 2022.08.31
17:30:35-04:00

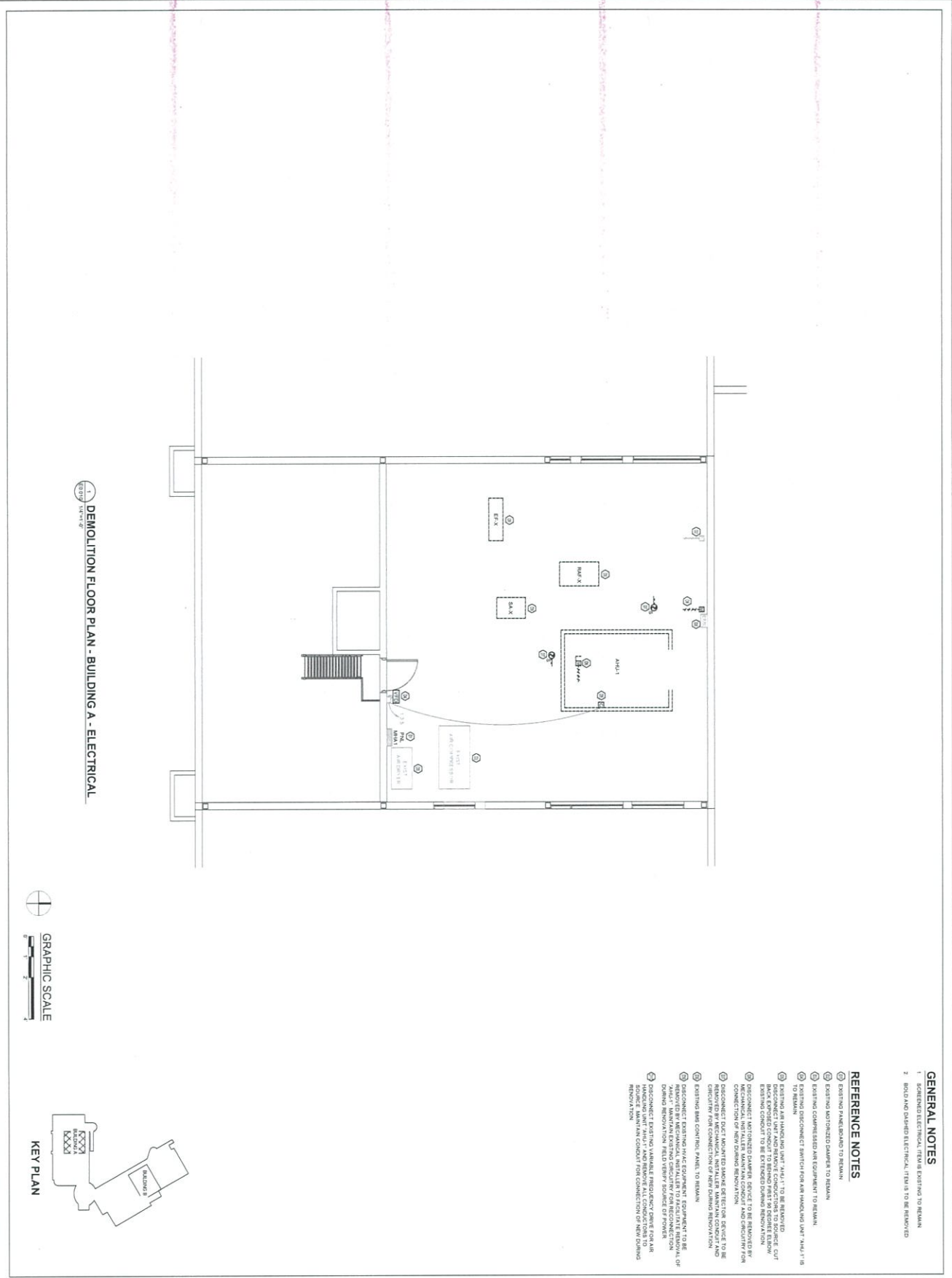
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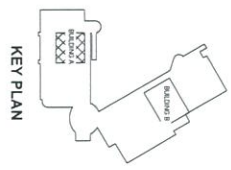
SPECIFICATIONS -
MECHANICAL

REVISION	DATE	BY	CHKD

22-807
M7.103



1/8" = 1'-0" DEMOLITION FLOOR PLAN - BUILDING A - ELECTRICAL



GENERAL NOTES

1. DEMOLITION ELECTRICAL ITEMS ARE EXISTING TO REMAIN.
2. SOLID AND DAMAGED ELECTRICAL ITEMS TO BE REMOVED.

REFERENCE NOTES

1. EXISTING PANEL BOARD TO REMAIN.
2. EXISTING MOUNTED DAMPER TO REMAIN.
3. EXISTING MOUNTED DAMPER AIR EQUIPMENT TO REMAIN.
4. EXISTING COMPRESSED AIR EQUIPMENT TO REMAIN.
5. EXISTING MOUNTED SWITCH FOR AIR HANDLING UNIT "AHU" #1 IS TO REMAIN.
6. EXISTING AIR HANDLING UNIT "AHU" #1 TO BE REMOVED.
7. DISCONNECT UNIT AND REMOVE CONDUITS TO SOURCE. CUT EXISTING CONDUIT TO BE EXTENDED DAMPER REMOVAL.
8. DISCONNECT MOUNTED DAMPER DEVICE TO BE REMOVED BY CONNECTION OF NEW DAMPER REMOVAL.
9. DISCONNECT MOUNTED DAMPER DEVICE TO BE REMOVED BY MECHANICAL INSTALLER. MAINTAIN CONDUIT AND REMOVE BY MECHANICAL CONTRACTOR FOR REDEMPTION.
10. EXISTING 300V CONTROL PANEL TO REMAIN.
11. DISCONNECT EXISTING MOUNTED DAMPER DEVICE TO BE REMOVED BY MECHANICAL CONTRACTOR FOR REDEMPTION.
12. MAINTAIN EXISTING CONDUIT FOR REDEMPTION.
13. DISCONNECT EXISTING VARIABLE FREQUENCY DRIVE FOR AIR HANDLING UNIT "AHU" #1 AND REMOVE ALL CONDUITS TO REMOVAL.
14. MAINTAIN CONDUIT FOR CONNECTION OF NEW DAMPER REMOVAL.



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SHEET NAME:
DEMOLITION FLOOR PLAN - BUILDING A - ELECTRICAL

DATE	DESCRIPTION	BY	CHK
08/12/22	PERMIT SET	AD	AD

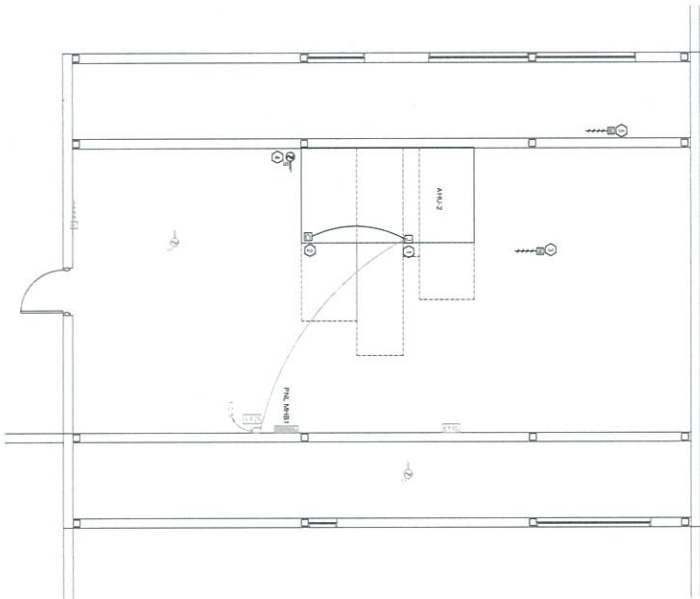
PROJECT NO.: 22-807
SHEET NO.: E0.010

GENERAL NOTES

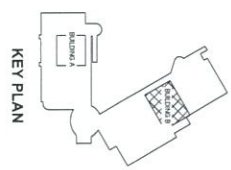
- 1. REFER TO MECHANICAL DRAWING FOR LOCATION WITH MECHANICAL INSTALLER PRIOR TO BEGINNING
- 2. PROVIDE GROUND MOUNT JUNCTION BOX SIZED PER NEC
- 3. EXTEND EXISTING CONDUIT AND PROVIDE NEW CONDUCTIONS TO NEW AIR HANDLING UNIT AND POWER CONNECTION REFER TO MECHANICAL DRAWING FOR LOCATION AND CONDUIT INFORMATION
- 4. CONNECT NEW AIR HANDLING UNIT TO EXISTING AIR HANDLING UNIT
- 5. EXTEND EXISTING EXHAUST DUCT AS NOTED ABOVE DETECTOR CIRCUIT TO NEW DETECTOR SMOKE DETECTOR LOCATION, CONDUIT CONNECTION WITH MECHANICAL CONTRACTOR TO NEW EXHAUST DUCT LOCATION
- 6. CONNECT NEW VARIABLE FREQUENCY DRIVE FOR 'XAU-1' DEVICE FINISHED BY MECHANICAL INSTALLER

REFERENCE NOTES

- 1. PROVIDE GROUND MOUNT JUNCTION BOX SIZED PER NEC
- 2. EXTEND EXISTING CONDUIT AND PROVIDE NEW CONDUCTIONS TO NEW AIR HANDLING UNIT AND POWER CONNECTION REFER TO MECHANICAL DRAWING FOR LOCATION AND CONDUIT INFORMATION
- 3. CONNECT NEW AIR HANDLING UNIT TO EXISTING AIR HANDLING UNIT
- 4. EXTEND EXISTING EXHAUST DUCT AS NOTED ABOVE DETECTOR CIRCUIT TO NEW DETECTOR SMOKE DETECTOR LOCATION, CONDUIT CONNECTION WITH MECHANICAL CONTRACTOR TO NEW EXHAUST DUCT LOCATION
- 5. CONNECT NEW VARIABLE FREQUENCY DRIVE FOR 'XAU-1' DEVICE FINISHED BY MECHANICAL INSTALLER



NEW FLOOR PLAN - BUILDING B - ELECTRICAL



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SHEET NAME:
NEW FLOOR PLAN - BUILDING B - ELECTRICAL

DATE	REVISION

PROJECT NO: 22-807
SHEET NO: E1.102

Adam S. Levine
Date: 2022.05.31 / 17:18:04

