KCSD
Kenton County School District | *It's about ALL kids.*

Issue Paper

DATE:
12/14/2023

AGENDA ITEM (ACTION ITEM):
Consider / Approve the Design Development plans for the new Central Office construction project (BG 24-084).

APPLICABLE BOARD POLICY:
01.1 Legal Status of the Board; 04.31 Authority to Encumber and Expend Funds; 702 KAR 4:050 Building Sites; Inspection and Approval

HISTORY/BACKGROUND:
The Design Development plans for the new Central Office facility reflects the input of the KCSD team, architects from the Emboss Design team, and civil engineers from Bayer Becker. The plans are reflective of the evolutionary design process subsequent to the schematic design that was approved on September 11, 2023 and revised on November 6, 2023.

FISCAL/BUDGETARY IMPACT:
All design costs are included in the total cost of the construction project as specified in the BG-1.

RECOMMENDATION:
Approve the Design Development plans for the new Central Office construction project (BG 24-084).

CONTACT PERSON:
Matt Rigg, Chief Operations Officer

Principal/Administrator	*District Administrator*	*Superintendent*

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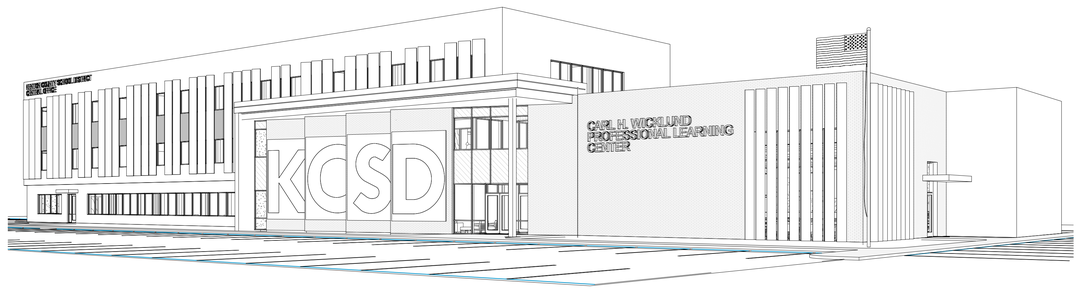

Design that *Elevates* a Community

KENTON COUNTY SCHOOL DISTRICT NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

EMBOSS
EmbossDesign.com 906 Monmouth Street,
(859)431-8612 Newport, KY 41071

NOT FOR CONSTRUCTION

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Team

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Kenton County School District | It's about ALL kids

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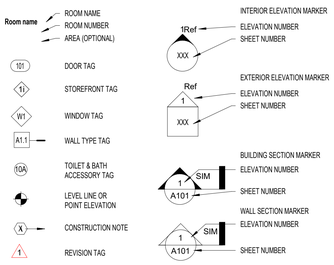
PROJECT SITE

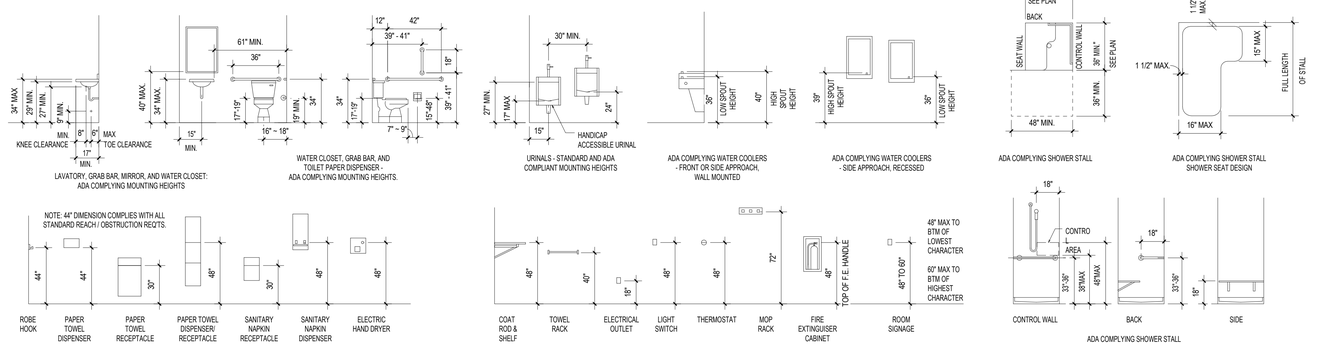
Vicinity Map

SYMBOL LEGEND



ABBREVIATIONS

AFF	ALIGN FINISH FACE
A.F.F.	ABOVE FINISH FLOOR
C.L.	CENTERLINE
CLG.	CEILING
C.J.	CONTROL JOINT
E.J.	EXPANSION JOINT
EQ.	EQUAL
FE	FIRE EXTINGUISHER MOUNTED W/ WALL BRACKET
FEC	FIRE EXTINGUISHER IN CABINET
TYP.	TYPICAL
O.C.	ON CENTER
U.N.O.	UNLESS NOTED OTHERWISE



1 STANDARD ADA MOUNTING HEIGHTS
G000 SCALE: 1/4" = 1'-0"

KENTON COUNTY SCHOOL DISTRICT NEW BOARD OFFICE
MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

COVER SHEET

22-106

G000

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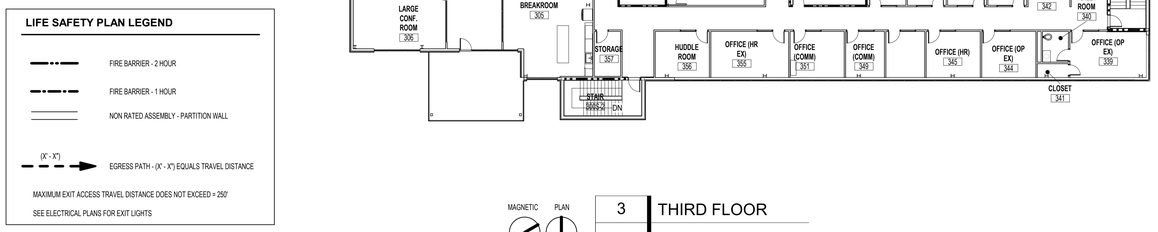
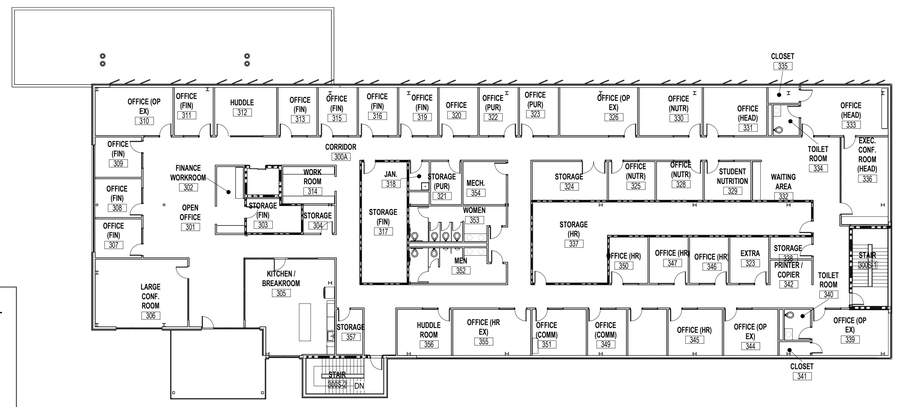
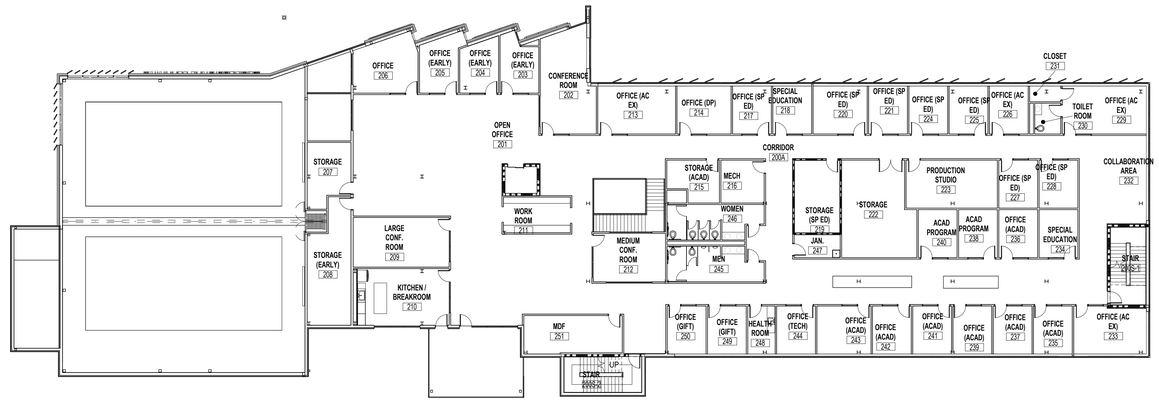




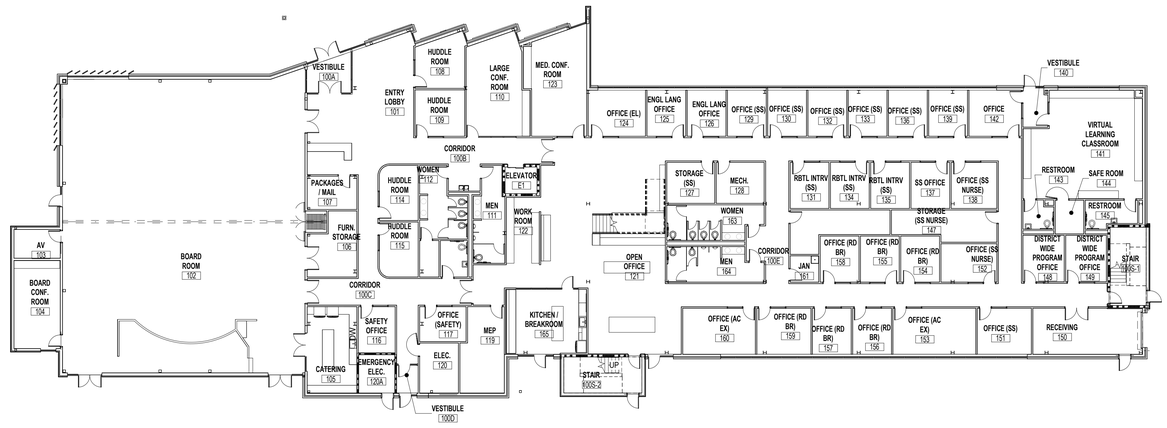
MAGNETIC PLAN

3	THIRD FLOOR
G101	SCALE: 1/16" = 1'-0"



MAGNETIC PLAN

2	SECOND FLOOR
G101	SCALE: 1/16" = 1'-0"



MAGNETIC PLAN

1	FIRST FLOOR
G101	SCALE: 1/16" = 1'-0"

Area Based Occupant Load - Third Floor

#	Name	Area	Occ/SF	OLF GrossNet	Persons
300A	CORRIDOR	2777 SF			
300S-1	STAIR	192 SF			
300S-2	STAIR	192 SF			
301	OPEN OFFICE	899 SF	100 SF	Gross	9
302	FINANCE WORKROOM	124 SF	100 SF	Gross	2
303	STORAGE (FIN)	116 SF	300 SF	Gross	1
304	STORAGE	60 SF	300 SF	Gross	1
305	KITCHEN / BREAKROOM	546 SF	15 SF	Net	37
306	LARGE CONF. ROOM	429 SF	15 SF	Net	29
307	OFFICE (FIN)	122 SF	100 SF	Gross	2
308	OFFICE (FIN)	122 SF	100 SF	Gross	2
309	OFFICE (FIN)	126 SF	100 SF	Gross	2
310	OFFICE (OP EX)	253 SF	100 SF	Gross	3
311	OFFICE (FIN)	126 SF	100 SF	Gross	2
312	HUDDLE	202 SF	100 SF	Gross	3
313	OFFICE (FIN)	126 SF	100 SF	Gross	2
314	WORK ROOM	132 SF	100 SF	Gross	2
315	OFFICE (FIN)	125 SF	100 SF	Gross	2
316	OFFICE (FIN)	126 SF	100 SF	Gross	2
317	STORAGE (FIN)	373 SF	300 SF	Gross	2
318	JAN.	39 SF	300 SF	Gross	1
319	OFFICE (FIN)	126 SF	100 SF	Gross	2
320	OFFICE	125 SF	100 SF	Gross	2
321	STORAGE (PUR)	90 SF	300 SF	Gross	1
322	OFFICE (PUR)	126 SF	100 SF	Gross	2
323	EXTRA	122 SF	100 SF	Gross	2
323	OFFICE (PUR)	125 SF	100 SF	Gross	2
324	STORAGE	196 SF	300 SF	Gross	1
325	OFFICE (NUTR)	121 SF	100 SF	Gross	2
326	OFFICE (OP EX)	253 SF	100 SF	Gross	3
328	OFFICE (NUTR)	121 SF	100 SF	Gross	2

Area Based Occupant Load - Third Floor

#	Name	Area	Occ/SF	OLF GrossNet	Persons
329	STUDENT NUTRITION	121 SF	100 SF	Gross	2
330	OFFICE (NUTR)	206 SF	100 SF	Gross	3
331	OFFICE (HEAD)	205 SF	100 SF	Gross	3
332	WAITING AREA	160 SF	100 SF	Gross	2
333	OFFICE (HEAD)	285 SF	100 SF	Gross	3
334	TOILET ROOM	54 SF			
335	CLOSET	33 SF	300 SF	Gross	1
336	EXEC. CONF. ROOM (HEAD)	280 SF	15 SF	Net	19
337	STORAGE (HR)	869 SF	300 SF	Gross	3
338	STORAGE	61 SF	300 SF	Gross	1
339	OFFICE (OP EX)	238 SF	100 SF	Gross	3
340	TOILET ROOM	54 SF			
341	CLOSET	28 SF	300 SF	Gross	1
342	PRINTER / COPIER	70 SF	100 SF	Gross	1
344	OFFICE (OP EX)	169 SF	100 SF	Gross	2
345	OFFICE (HR)	169 SF	100 SF	Gross	2
346	OFFICE (HR)	122 SF	100 SF	Gross	2
347	OFFICE (HR)	122 SF	100 SF	Gross	2
348	OFFICE (COMM)	120 SF	100 SF	Gross	2
349	OFFICE (COMM)	121 SF	100 SF	Gross	2
350	OFFICE (HR)	121 SF	100 SF	Gross	2
351	OFFICE (COMM)	169 SF	100 SF	Gross	2
352	MEN	213 SF			
353	WOMEN	212 SF			
354	MECH.	126 SF	300 SF	Gross	1
355	OFFICE (HR EX)	243 SF	100 SF	Gross	3
356	HUDDLE ROOM	169 SF	15 SF	Net	12
357	STORAGE	80 SF	300 SF	Gross	1
					190

Area Based Occupant Load - Second Floor

#	Name	Area	Occ/SF	OLF GrossNet	Persons
200A	CORRIDOR	2362 SF			
200S-1	STAIR	192 SF			
200S-2	STAIR	192 SF			
201	OPEN OFFICE	2991 SF	100 SF	Gross	30
202	CONFERENCE ROOM	358 SF	15 SF	Net	24
203	OFFICE (EARLY)	140 SF	100 SF	Gross	2
204	OFFICE (EARLY)	134 SF	100 SF	Gross	2
205	OFFICE (EARLY)	151 SF	100 SF	Gross	2
206	OFFICE	232 SF	100 SF	Gross	3
207	STORAGE	175 SF	300 SF	Gross	1
208	STORAGE (EARLY)	329 SF	100 SF	Gross	4
209	LARGE CONF. ROOM	323 SF	15 SF	Net	22
210	KITCHEN / BREAKROOM	360 SF	15 SF	Net	24
211	WORK ROOM	162 SF	100 SF	Gross	2
212	MEDIUM CONF. ROOM	238 SF	15 SF	Net	16
213	OFFICE (AC EX)	253 SF	100 SF	Gross	3
214	OFFICE (DP)	176 SF	100 SF	Gross	2
215	STORAGE (ACAD)	133 SF	100 SF	Gross	2
216	MECH	126 SF	100 SF	Gross	2
217	OFFICE (SP ED)	125 SF	100 SF	Gross	2
218	SPECIAL EDUCATION	126 SF	100 SF	Gross	2
219	STORAGE (SP ED)	223 SF	100 SF	Gross	3
220	OFFICE (SP ED)	176 SF	100 SF	Gross	2
221	OFFICE (SP ED)	125 SF	100 SF	Gross	2
222	STORAGE	457 SF	300 SF	Gross	2
223	PRODUCTION STUDIO	298 SF	50 SF	Net	6
224	OFFICE (SP ED)	126 SF	100 SF	Gross	2
225	OFFICE (SP ED)	126 SF	100 SF	Gross	2

Area Based Occupant Load - Second Floor

#	Name	Area	Occ/SF	OLF GrossNet	Persons
226	OFFICE (AC EX)	125 SF	100 SF	Gross	2
227	OFFICE (SP ED)	126 SF	100 SF	Gross	2
228	OFFICE (SP ED)	126 SF	100 SF	Gross	2
229	OFFICE (AC EX)	274 SF	100 SF	Gross	3
230	TOILET ROOM	54 SF			
231	CLOSET	33 SF	300 SF	Gross	1
232	COLLABORATION AREA	232 SF	100 SF	Gross	3
233	OFFICE (AC EX)	230 SF	100 SF	Gross	3
234	SPECIAL EDUCATION	126 SF	100 SF	Gross	2
235	OFFICE (ACAD)	126 SF	100 SF	Gross	2
236	OFFICE (ACAD)	126 SF	100 SF	Gross	2
237	OFFICE (ACAD)	125 SF	100 SF	Gross	2
238	ACAD PROGRAM	126 SF	100 SF	Gross	2
239	OFFICE (ACAD)	126 SF	100 SF	Gross	2
240	ACAD PROGRAM	126 SF	100 SF	Gross	2
241	OFFICE (ACAD)	126 SF	100 SF	Gross	2
242	OFFICE (ACAD)	125 SF	100 SF	Gross	2
243	OFFICE (ACAD)	176 SF	100 SF	Gross	2
244	OFFICE (TECH)	125 SF	100 SF	Gross	2
245	MEN	212 SF			
246	WOMEN	211 SF			
247	JAN.	72 SF			
248	HEALTH ROOM	89 SF	100 SF	Gross	1
249	OFFICE (GIFT)	126 SF	100 SF	Gross	2
250	OFFICE (GIFT)	126 SF	100 SF	Gross	2
251	MDF	252 SF	300 SF	Gross	1
					205

Area Based Occupant Load - First Floor

#	Name	Area	Occ/SF	OLF GrossNet	Persons
100A	VESTIBULE	104 SF			
100B	CORRIDOR	306 SF			
100C	CORRIDOR	522 SF			
100D	VESTIBULE	43 SF			
100E	CORRIDOR	1878 SF			
100S-1	STAIR	192 SF			
100S-2	STAIR	192 SF			
101	ENTRY LOBBY	787 SF	100 SF	Gross	8
102	BOARD ROOM	4874 SF	15 SF	Net	325
103	AV	90 SF	300 SF	Gross	1
104	BOARD CONF. ROOM	277 SF	15 SF	Net	19
105	CATERING	292 SF	200 SF	Gross	2
106	FURN. STORAGE	190 SF	300 SF	Gross	1
107	PACKAGES / MAIL	112 SF	300 SF	Gross	1
108	HUDDLE ROOM	169 SF	100 SF	Gross	2
109	HUDDLE ROOM	156 SF	100 SF	Gross	2
110	LARGE CONF. ROOM	394 SF	15 SF	Net	27
111	MEN	186 SF			
112	WOMEN	194 SF			
113	SUPPLIES	48 SF			
114	HUDDLE ROOM	143 SF	100 SF	Gross	2
115	HUDDLE ROOM	143 SF	100 SF	Gross	2
116	SAFETY OFFICE	116 SF	100 SF	Gross	2
117	OFFICE (SAFETY)	110 SF	100 SF	Gross	2
118	RR	67 SF			
119	MEP	242 SF	300 SF	Gross	1
120	ELEC.	132 SF	300 SF	Gross	1
120A	EMERGENCY ELEC.	94 SF	300 SF	Gross	1
121	OPEN OFFICE	1596 SF	100 SF	Gross	16
122	WORK ROOM	152 SF	100 SF	Gross	2
123	MED. CONF. ROOM	413 SF	15 SF	Net	28
124	OFFICE (EL)	179 SF	100 SF	Gross	2
125	ENGL LANG OFFICE	121 SF	100 SF	Gross	2
126	ENGL LANG OFFICE	120 SF	100 SF	Gross	2

Area Based Occupant Load - First Floor

#	Name	Area	Occ/SF	OLF GrossNet	Persons
127	STORAGE (SS)	133 SF	300 SF	Gross	1
128	MECH.	133 SF	300 SF	Gross	1
129	OFFICE (SS)	121 SF	100 SF	Gross	2
130	OFFICE (SS)	121 SF	100 SF	Gross	2
131	RBTL INTRV (SS)	121 SF	100 SF	Gross	2
132	OFFICE (SS)	120 SF	100 SF	Gross	2
133	OFFICE (SS)	121 SF	100 SF	Gross	2
134	RBTL INTRV (SS)	121 SF	100 SF	Gross	2
135	RBTL INTRV (SS)	121 SF	100 SF	Gross	2
136	OFFICE (SS)	121 SF	100 SF	Gross	2
137	SS OFFICE	121 SF	100 SF	Gross	2
138	OFFICE (SS NURSE)	143 SF	100 SF	Gross	2
139	OFFICE (SS)	120 SF	100 SF	Gross	2
140	VESTIBULE	61 SF	100 SF	Gross	1
141	VIRTUAL LEARNING CLASSROOM	809 SF	20 SF	Net	41
142	OFFICE	164 SF	100 SF	Gross	2
143	RESTROOM	56 SF			
144	SAFE ROOM	65 SF	50 SF	Net	2
145	RESTROOM	91 SF			
147	STORAGE (SS NURSE)	205 SF	300 SF	Gross	1
148	DISTRICT WIDE PROGRAM OFFICE	130 SF	100 SF	Gross	2
149	DISTRICT WIDE PROGRAM OFFICE	128 SF	100 SF	Gross	2
150	RECEIVING	342 SF	300 SF	Gross	2
151	OFFICE (SS)	169 SF	100 SF	Gross	2
152	OFFICE (SS NURSE)	146 SF	100 SF	Gross	2
153	OFFICE (AC EX)	259 SF	100 SF	Gross	3
154	OFFICE (RD BR)	122 SF	100 SF	Gross	2
155	OFFICE (RD BR)	121 SF	100 SF	Gross	2
156	OFFICE (RD BR)	121 SF	100 SF	Gross	2
157	OFFICE (RD BR)	120 SF	100 SF	Gross	2
158	OFFICE (RD BR)	121 SF	100 SF	Gross	2
159	OFFICE (RD BR)	169 SF	100 SF	Gross	2
160	OFFICE (AC EX)	227 SF	100 SF	Gross	3
161	JAN.	51 SF	300 SF	Gross	1
162	STORAGE	205 SF	300 SF	Gross	1
163	WOMEN	212 SF			
164	MEN	213 SF			
165	KITCHEN / BREAKROOM	358 SF	15 SF	Net	24
E1	ELEVATOR	58 SF			
					571

CODE INFORMATION

APPLICABLE CODES

Building: 2018 Kentucky Building Code

Chapter 3

Section 302: Classification — Non-Separated Mixed Use:
(A-3) Assembly
(B) Business
(E) Education
(S-1) Storage

Chapter 5

Section 504: Building Height: Table 504.3 Allowable Height = 75'
Proposed Height = 47' - 0"

Section 504: Building Number of Stories: Table 504.4 Stories above Grade Plane
Allowable = 3 Stories Proposed = 3 Stories (with story below grade)

Section 506: Building Area: Table 506.2 Allowable area per floor
Allowable = 28,500 SF Proposed:
Lower Level = 6,796 SF
First Floor = 21,387 SF
Second Floor = 14,236 SF
Third Floor = 13,439 SF

Chapter 6

Section 601 Construction Type: Type IIB - Noncombustible
Fire Resistance Rating Requirements for Building Elements: Table 601
Primary Structural Frame: 0 Hours
Bearing Walls Exterior: 0 Hours
Bearing Walls Interior: 0 Hours
Nonbearing Walls Exterior: 0 Hours
Nonbearing Walls Interior: 0 Hours
Floor Construction: 0 Hours
Roof Construction: 0 Hours

Chapter 7

Section 705.8 Exterior Wall Openings: Fire Separation Distance is greater than 25' at all locations and building is sprinklered. No limit on unprotected openings.

Section 713 Shaft Enclosures: Shaft Enclosures: 1 Hour where connecting three stories or less
2 Hours where connecting four stories

Chapter 9

Section 903 Fire Suppression: NFPA 13 Fire Suppression will be provided throughout the building

Section 907 Fire Alarm and Detection System: A fire alarm system will be provided throughout the building

Chapter 10

Section 1005 Means of Egress Sizing: Stairways: 0.2 inch / Occupant per 1005.3.1, Exception 1.
All other Egress Components: 0.15 inch / Occupant per 1005.3.2, Exception 1.

Section 1017 Exit Access Travel Distance: Table 1017.2 Exit Access Travel Distance
Allowable = 250'-0" (with Sprinkler System)

Section 1019 Exit Access Stairways: Exit access stairways and ramps that serve or atmospherically communicate between only two stories are not required to be enclosed with a shaft enclosure per 1019.3 Exception 1.

Section 1023 Interior Exit Stairways and Ramps: Stair Enclosures: 1 Hour where connecting three stories
2 Hours where connecting four stories

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LIFE SAFETY PLANS

22-106

G101

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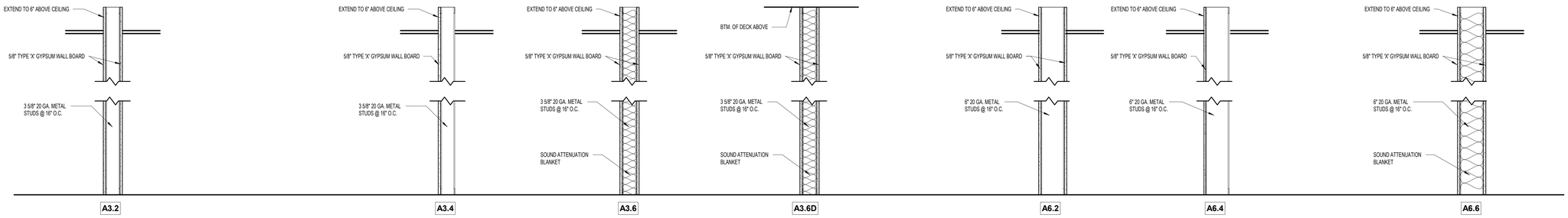
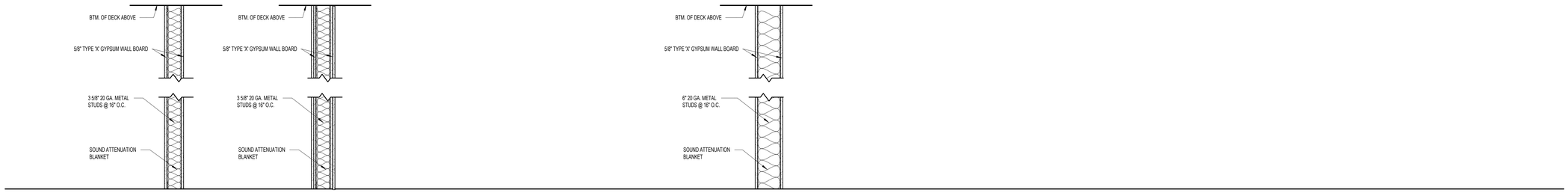




1	WALL TYPES
G102	SCALE: 1" = 1'-0"

EMBOSS
EmbossDesign.com
(859)431-8612
906 Monmouth Street,
Newport, KY 41071

NOT FOR CONSTRUCTION

KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

WALL TYPES AND UL ASSEMBLIES

22-106

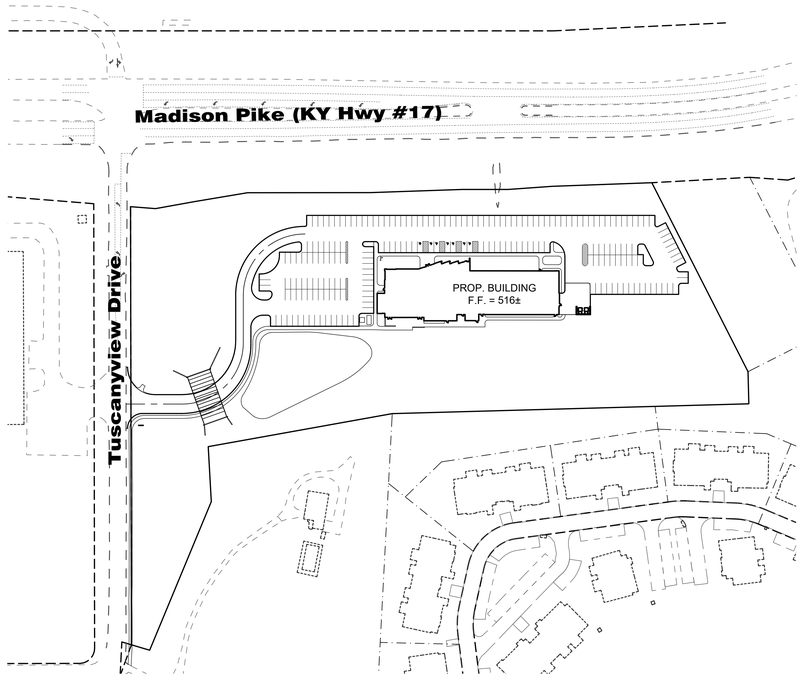
G102

PRINT DATE: 12/14/2023 2:41:51 PM

KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

347 MADISON PIKE
COVINGTON, KENTUCKY

VICINITY MAP
(Not to Scale)



PROJECT MAP
SCALE: 1" = 100'

INDEX TO PLAN SHEETS

SHEET	DRAWING TITLE	ISSUE DATE	REV. NO.	REV. DATE
C100	CIVIL - TITLE SHEET			
C101	NOTES AND DETAILS			
C200	EXISTING CONDITIONS & DEMOLITION PLAN			
C300	SITE PLAN			
C400	UTILITY PLAN			
C401	SIDEWALK PLAN & UTILITY PROFILES			
C500	GRADING PLAN & SWPPP			
C501	SWPPP DETAILS			

BASE MAP LEGEND

-Ex Sanitary M.H.		-Ex Gas Valve	
-Ex Sanitary Clean Out		-Ex Gas Box	
-Ex Storm M.H.		-Ex Gas Meter	
-Ex Storm Catch Basin		-Ex Gas Marker	
-Ex Storm Catch Basin		-Ex Gas Riser	
-Ex Storm Yard Drain		-Ex Tele. M.H.	
-Ex Storm Clean Out		-Ex Tele. Box	
-Ex Storm Down Spout		-Ex Tele. Marker	
-Ex Fire Hydrant		-Ex Cable Box	
-Ex Water M.H.		-Ex Cable Marker	
-Ex Water Valve		-Ex Fiber Optic M.H.	
-Ex Water Meter		-Ex Fiber Optic Box	
-Ex Water Service		-Ex Fiber Optic Marker	
-Ex Fire Connection		-Ex Steam M.H.	
-Ex Irrigation		-Ex Unidentified M.H.	
-Ex Irrigation Valve		-Ex Unidentified Riser	
-Ex Spigot		-Ex Sign	
-Ex Elec. M.H.		-Ex Mail Box	
-Ex Elec. Box		-Ex Parking Meter	
-Ex Elec. Meter		-Ex Post	
-Ex Light Pole		-Ex Bollard	
-Ex Yard Light		-Ex Flag Pole	
-Ex Utility Pole		-Ex Signal Pole	
-Ex Guy Wire		-Ex Pull Box	
-Ex Guy Pole		-Ex Bullring	
-Ex Air Conditioning		Ex Traffic Flow	
R/W -Ex Right of Way		-Ex Monitoring Well	
P/L -Ex Property Line		-Ex Boring	
(C) -Calculated		-Ex Deciduous Tree	
		-Ex Evergreen Tree	
		-Ex Deciduous Bush	
		-Ex Evergreen Bush	

Ex Underground Water Main
Ex Underground Gas Main
Ex Overhead Utilities
Ex Underground Fiber Optic
Ex Underground Electric
Ex Underground Telephone
Ex Underground High Pressure Steam Line
Ex Underground Chilled Water Steam Line
Ex Farm Woven Fence
Ex Chainlink Fence
Ex Wood Fence
Ex Metal Fence
Ex Plastic Fence
Ex Landscape Border
Ex Treeline
Ex Major Contour
Ex Minor Contour

GENERAL NOTES:

1. THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLAN HAVE BEEN OBTAINED BY FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND UTILITIES ADJACENT TO OR UPON THE PREMISES. THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY LOCATIONS WITH UTILITY COMPANIES BEFORE MAKING EXCAVATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS WHETHER SHOWN ON THESE PLANS OR NOT.
2. FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION SERVICE AND ALL OTHER AGENCIES WHICH MAY HAVE UNDERGROUND UTILITIES INVOLVED IN THIS PROJECT AND ARE NOT MEMBERS OF UNDERGROUND PROTECTION, INC.
3. CONTRACTOR SHALL REMOVE ALL TREES AND CLEAN ALL AREAS AS DETERMINED BY THE ENGINEER OR ARCHITECT TO PERFORM ALL GRADING AND UTILITY WORK IN ACCORDANCE WITH THE DRAWINGS, GENERAL NOTES, AND PROJECT SPECIFICATIONS.
4. ALL PAVEMENT DIMENSIONS AND NODES ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED. ALL STRIPING DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
5. ALL SPOT ELEVATIONS ARE TO THE TOP OF FINISHED PAVEMENT/GRADE UNLESS OTHERWISE NOTED.
6. ALL STANDARD PARKING SPACES ARE A MINIMUM OF 9' BY 18'.
7. PRIOR TO CONSTRUCTION OF THE EMBANKMENTS, THE SITE SHOULD BE STRIPPED OF ALL VEGETATION, TOPSOIL, AND OTHER ORGANIC MATERIAL IN EMBANKMENT AREAS.
8. BUILDING PAD PREPARATION SHALL BE MADE IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S AND ARCHITECT'S RECOMMENDATIONS. BUILDING DIMENSIONS SHALL BE VERIFIED WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION.
9. CONTRACTOR, IN CONJUNCTION WITH THE ENGINEER, SHALL TAKE OFF ALL QUANTITIES AND AGREE TO ALL EXCAVATION AND EMBANKMENT QUANTITIES PRIOR TO CONSTRUCTION. ALL SUCH QUANTITIES SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL.
10. ALL SITE EXCAVATION AND EMBANKMENT TO BE COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND/OR THE PROJECT SPECIFICATIONS. WHEN IN CONFLICT THE MORE STRINGENT REQUIREMENTS SHALL PREVAIL.
11. ANY AREAS THAT APPEAR AS FUTURE BUILDING OR PARKING LOTS SHALL BE GRADED TO DRAIN TO THE NEAREST SWALE, CATCH BASIN, OR OTHER DRAINAGE FEATURE OR PROVISIONS SHALL BE INSTALLED TO DRAIN THE AREAS TO THE NEAREST DRAINAGE FEATURE.
12. CONTRACTOR SHALL PERFORM ALL INSPECTIONS AS REQUIRED FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND FURNISH OWNER'S REPRESENTATIVE WITH WRITTEN REPORTS UNLESS OTHERWISE DIRECTED BY THE OWNER OR OWNERS' REPRESENTATIVE.
13. A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS SITE BY TERRACON; COPIES OF THIS REPORT ARE AVAILABLE FROM THE OWNER'S REPRESENTATIVE.
14. CONTRACTOR AND OWNER SHALL VERIFY AND ACCEPT ALL QUANTITIES PRIOR TO BEGINNING CONSTRUCTION.
15. CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL REQUIREMENTS AND PAY ALL INSPECTION FEES.
16. ALL UTILITIES TYING INTO BUILDING ARE TO BE STUBBED 5 FT/ FROM THE BUILDING FOR THE CONNECTION BY INTERIOR CONTRACTOR.
17. UNLESS OTHERWISE NOTED, ALL CONSTRUCTION DETAILS SHALL CONFORM WITH THE "STANDARD CONSTRUCTION DRAWINGS OF THE KENTUCKY TRANSPORTATION CABINET (KYTC)", SANITATION DISTRICT NO. 1 (SD1), THE CITY OF COVINGTON AND KENTON COUNTY.
18. ALL STORM SEWER, SANITARY SEWER, WATER MAIN, WATER SERVICES AND UTILITY CROSSOVERS LOCATED IN PUBLIC RIGHT-OF-WAY SHALL BE TOTALLY BACKFILLED WITH CONTROL DENSITY FILL UNDER THE PAVEMENT TO A DISTANCE OF 5 FT BEYOND THE BACK OF CURB FOR PAVEMENT CUT BY TRENCHING OPERATIONS.
19. ALL TRENCHES WITHIN THE RIGHT-OF-WAY AND UTILITY EASEMENT SHALL BE COMPACTED AND BACKFILLED IN ACCORDANCE WITH THE STATE SPECIFICATIONS FOR TRENCHING OPERATIONS COMPLETED PRIOR TO PLACING PAVEMENT.
20. ITEMS THAT PERTAIN TO UNDERGROUND UTILITIES SUCH AS WATERMAIN PIPE, SANITARY SEWER PIPE, WATER VALVES AND MANHOLE FRAMES AND COVERS, ETC. WILL REMAIN UNDER SPECIFICATIONS OF THE UTILITY SERVING THE AREA. STORM SEWERS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF SANITATION DIST. NO. 1.
21. EXISTING EDGE OF PAVEMENT ABUTTING PROPOSED PAVEMENT SHALL BE SAWCUT AND SEALED WITH TACK COAT PRIOR TO PAVEMENT OF PAVEMENT.
22. CONTRACTOR SHALL VERIFY ALL UTILITY AND CONDUIT SIZES AND LOCATIONS WITH THE ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.
23. A MINIMUM 6" OF TOPSOIL SHALL BE PLACED ON ALL GRASS AREAS UNLESS SPECIFIED OTHERWISE IN THE LANDSCAPE DRAWINGS.

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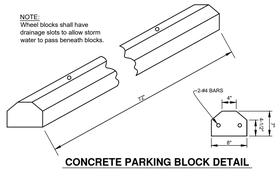
CIVIL ENGINEER
BAYER BECKER
209 GRANDVIEW DRIVE
FORT MITCHELL, KENTUCKY 41017

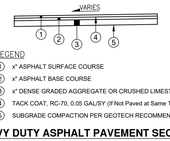
OWNER
KENTON COUNTY SCHOOL DISTRICT
1055 EATON DRIVE
FORT WRIGHT, KY 41017

KENTUCKY UNDERGROUND PROTECTION, INC. — 1-800-752-6007 — TWO WORKING DAYS BEFORE YOU DIG

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN HAVE BEEN OBTAINED BY FIELD CHECKS AND INFORMATION PROVIDED BY THE UTILITY COMPANIES. IT IS BELIEVED THAT THEY ARE CORRECT BUT THE PREPARER DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS. THEREFORE, ALL UNDERGROUND UTILITIES SHALL BE FIELD LOCATED PRIOR TO CONSTRUCTION. FOR MORE INFORMATION USE NUMBER SHOWN.

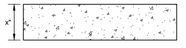


CONCRETE PARKING BLOCK DETAIL
NOT TO SCALE



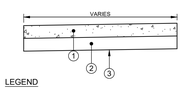
LEGEND
1. 1" ASPHALT SURFACE COURSE
2. 4" ASPHALT BASE COURSE
3. 4" DENSE GRADED AGGREGATE OR CRUSHED LIMESTONE BASE
4. TACK COAT, RC-70, 0.05 GAL/SY (If Not Paved at Same Time)
5. SUBGRADE COMPACTION PER GEOTECH RECOMMENDATIONS

HEAVY DUTY ASPHALT PAVEMENT SECTION



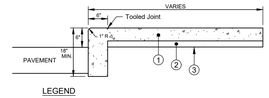
NOTE:
- 4,000 PSI 28-Day Compressive Strength
- Crushed Limestone Aggreagate with a Nominal Maximum Size of 1".
- Slump of 4 Inches or Less
- 6 Percent Air Content
- See Geotech Report and Addendums for Addition Information and Recommendations.

HEAVY DUTY CONCRETE PAVEMENT SECTION



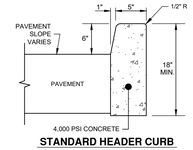
LEGEND
1. 4" 4,000 PSI, CLASS "AA" CONCRETE
2. 4" DENSE GRADED AGGREGATE OR CRUSHED LIMESTONE BASE
3. SUBGRADE COMPACTION PER GEOTECH RECOMMENDATIONS

TYPICAL SIDEWALK DETAIL



LEGEND
1. 4" 4,000 PSI, CLASS "AA" CONCRETE
2. 4" DENSE GRADED AGGREGATE OR CRUSHED LIMESTONE BASE
3. SUBGRADE COMPACTION PER GEOTECH RECOMMENDATIONS

INTEGRAL SIDEWALK/CURB DETAIL



STANDARD HEADER CURB

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Item	Revision Description	Date	Drwn	Chk
	PRELIMINARY			

KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE
347 MADISON PIKE
COVINGTON, KY
BG# 24-084
CIVIL - TITLE SHEET

bayer becker
www.bayerbecker.com
209 Grandview Drive
Fort Mitchell, KY 41017 - 859.261.1113

Drawing: 22-0253 CD
Drawn by: JRD
Checked By: JRD
Issue Date:

Sheet: C100

Plot time: Dec 14, 2023 - 1:35pm
Drawing name: J:\2022\22-0253\CV\DWG\22-0253 CD.dwg - Layout Tab: C100 TITLE

GRADING NOTES:

1. ALL PROPOSED CONTOURS & SPOT ELEVATIONS ARE INTENDED TO BE FINAL GRADES AND REFLECT PAVEMENT, FINISH FLOOR OR TOP SOIL PLACEMENT UNLESS OTHERWISE SPECIFIED.
2. BEST MANAGEMENT PRACTICES (BMPs) SHOWN ON PLANS SHALL BE REVISED OR IMPLEMENTED AS DEEMED NECESSARY. CONTRACTOR SHALL MONITOR & DOCUMENT CONSTRUCTION BMPs AND PROVIDE ADDITIONAL BMPs AS DEEMED NECESSARY BY SD1 AND/OR THE OWNER.
3. CONTRACTOR SHALL CHECK BMPs EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A 0.5 INCH RAIN EVENT. CONTRACTOR SHALL KEEP A LOG PER EPA GUIDELINES ONSITE.
4. SITE STABILIZATION SHALL BEGIN WITHIN 14 DAYS ON AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY (FOR 21 DAYS OR MORE) CEASED.
5. CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO CLEARING ANY HEALTHY MATURE TREES WITHIN 15' OF THE CLEARING LIMITS SHOWN TO DETERMINE IF THE TREES SHOULD BE SAVED.
6. ALL FILL ON THE PROPERTY SHALL BE ADEQUATELY COMPACTED TO PRODUCE A SURFACE SATISFACTORY FOR THE PROPER INSTALLATIONS OF FOUNDATIONS, SLABS OR BASE COURSE AND PAVING. BEFORE COMMENCING PAVING WORK, THE PAVING CONTRACTOR MUST MAKE CERTAIN THAT THE SURFACES TO BE COVERED ARE IN PROPER CONDITION. SURFACES NOT ACCEPTABLE SHALL BE REPORTED TO THE OWNER IMMEDIATELY. THE APPLICATION OF PAVING MATERIALS SHALL BE HELD TO BE IN ACCEPTANCE TO THE SURFACES AND WORKING CONDITIONS OF THE PAVING CONTRACTOR WHO WILL BE HELD RESPONSIBLE FOR THE RESULTS REASONABLE TO BE EXPECTED.
7. ALL MUD OR DEBRIS TRACKED ON EXISTING STREETS SHALL BE CLEANED AT THE END OF EACH DAY OR AS DIRECTED BY THE CITY, SD1, OR THE OWNER. ANY COSTS INCURRED BY THE CITY TO ENSURE THIS IS ACCOMPLISHED WILL BE CHARGED TO THE CONTRACTOR.
8. IN ADDITION TO ANY TEMPORARY EROSION, MUD, AND DEBRIS CONTROL DETAILS AND NOTES SHOWN ON THE PLANS, THE CONTRACTOR SHOULD CONSTRUCT TEMPORARY SEDIMENT BASINS, EARTH DIKES, TEMPORARY OR PERMANENT SEEDING, MULCHING AND/OR MULCH NETTING OR ANY OTHER GENERALLY ACCEPTED METHODS TO PREVENT EROSION, MUD, AND DEBRIS FROM BEING DEPOSITED ON THEIR PROPERTY, ON NEWLY CONSTRUCTED OR EXISTING ROADS, OR INTO EXISTING SEWERS OR NEW SEWERS WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL CONTINUALLY MONITOR THE CONSTRUCTION PROGRESS AND MAKE ANY NECESSARY TEMPORARY ADJUSTMENTS TO MAINTAIN THIS CONTROL. CONSIDERATION SHOULD ALSO BE GIVEN TO THE "BALE FILTER DIKE," "DIKES & SLOPE PROTECTION" AND "SEDIMENT BASINS/SILT TRAPS" SHOWN ON THE EROSION CONTROL DETAILS FOR USE IN TEMPORARY EROSION, MUD AND DEBRIS CONTROL.
9. SITE EXCAVATION CONTRACTOR SHALL PLACE 6" OF TOP SOIL & SPREAD GRASS SEED ON ALL DISTURBED AREAS OUTSIDE OF THE BUILDING FOOTPRINT & VEHICLE USE AREAS.
10. SEDIMENT BASINS SHALL BE CLEANED WHEN THEIR VOLUME HAS BEEN REDUCED BY 1/3.
11. MAXIMUM CUT & FILL SLOPES SHALL BE 3:1 UNLESS OTHERWISE SHOWN.
12. DISTURBED LIMITS MUST BE ADHERED TO.

CONSTRUCTION SEQUENCE AND EROSION CONTROL NOTES:

1. CLEARING AND GRUBBING FOR THOSE AREAS NECESSARY FOR THE INSTALLATION OF EROSION AND SEDIMENT PERIMETER CONTROL MEASURES.
2. INSTALL CONSTRUCTION ENTRANCE.
3. INSTALL EROSION AND SEDIMENT CONTROL MEASURES. INLET PROTECTION BMP's SHALL BE INSTALLED AT ALL CATCH BASINS, AREA DRAINS AND INLETS AS THEY ARE CONSTRUCTED.
4. GRADING AND STRIPPING OF THE REMAINING AREAS OF THE DEVELOPMENT SITE OR PROJECT AREA.
5. INSTALL SEDIMENT CONTROL BASINS & STORMWATER MANAGEMENT SYSTEMS.
6. TEMPORARY VEGETATIVE STABILIZATION OF EROSION AND SEDIMENT CONTROL MEASURES.
7. MASS GRADING OF BUILDING PAD, DRIVES OR PARKING AREAS, ETC.
8. INSTALLATION OF ALL UTILITIES.
9. SITE CONSTRUCTION.
10. TOPSOIL RESPREADING, FINAL GRADING, LANDSCAPING & STABILIZATION.
11. AFTER THE VEGETATION HAS BECOME WELL ESTABLISHED, REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES.
12. THE CONTRACTOR MUST INSPECT ALL EROSION AND SEDIMENT CONTROLS ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER EACH RAINFALL OF ½ INCH OR GREATER.
13. THE CONTRACTOR MUST CONDUCT NECESSARY REPAIRS WITHIN 72 HOURS.
14. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ADJACENT ROADWAYS FREE OF SEDIMENT; PERIODIC STREET SWEEPING MAY BE REQUIRED.
15. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO THE DISTURBED AREAS ON ANY PORTION OF THE SITE WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED OR WHERE AREAS WILL BE LEFT IDLE FOR 21 DAYS OR LONGER.
16. AFTER THE VEGETATION HAS BECOME WELL ESTABLISHED, REMOVE TEMPORARY EROSION OR SEDIMENT CONTROL PRACTICES.
17. CONTRACTOR SHALL LOCATE, INSTALL AND MAINTAIN A CONCRETE WASHOUT LOCATION. NO CONCRETE WASHOUT OR CHEMICALS MAY BE DISPOSED OF IN OR DISCHARGED TO WATERS OF THE U.S.
18. DUST CONTROL SHALL BE PROVIDED PER THE KENTUCKY EROSION PREVENTION AND SEDIMENT CONTROL FIELD GUIDE.
19. ANY STOCKPILED SOILS SHALL HAVE A SILT FENCE PLACED AROUND THE BASE OF THE PILE TO PREVENT SOIL EROSION. ANY STOCKPILES LEFT AFTER THE PROJECT IS COMPLETED SHALL BE SEEDED TO PROVIDE ADDITIONAL PROTECTION.
20. DEVELOPER AND CONTRACTOR SHALL FOLLOW STABILIZATION TIMELINES PRESCRIBED IN SANITATION DISTRICT No. 1's STORM WATER BEST MANAGEMENT PRACTICES MANUAL.

EROSION AND SEDIMENT CONTROL NOTES:

A. THE PROJECT HAS BEEN DESIGNED TO CONTROL EROSION AND PREVENT DAMAGE TO OTHER PROPERTY. ALL STRIPPING, EARTHWORK, AND REGRADING SHALL BE PERFORMED TO MINIMIZE EROSION. NATURAL VEGETATION SHALL BE RETAINED WHEREVER POSSIBLE. THE PROPOSED PLAN WILL ALLOW MOST ERODED MATERIALS TO BE RETAINED ON SITE.

B. VEGETATIVE PRACTICES
   1. SUCH PRACTICES MAY INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, MATTING, SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PHASING AND PROTECTION OF TREES. THE CONTRACTOR SHALL INITIATE APPROPRIATE VEGETATIVE PRACTICES ON ALL DISTURBED AREAS WITHIN SEVEN (7) DAYS IF THEY ARE TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN FORTY-FIVE (45) DAYS. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.
   2. ALL DISTURBED AREAS SHALL BE SEEDED AND STRAWED UNLESS OTHERWISE NOTED IN THE PROJECT SPECIFICATIONS.

C. STRUCTURAL PRACTICES - STRUCTURAL PRACTICES SHALL BE USED TO CONTROL EROSION AND TRAP SEDIMENT FROM ALL SITES REMAINING DISTURBED FOR MORE THAN FOURTEEN (14) DAYS.

D. TIMING - SEDIMENT CONTROL STRUCTURES SHALL BE FUNCTIONAL THROUGHOUT EARTH DISTURBING ACTIVITY. SEDIMENT PONDS AND PERIMETER SEDIMENT BARRIERS SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.

E. SEDIMENT BARRIERS
   1. SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE INTERCEPTED BY SEDIMENT BARRIERS. SEDIMENT BARRIERS, SUCH AS SEDIMENT FENCES OR DIVERSIONS DIRECTION RUNOFF TO SETTLING FACILITIES, SHALL PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SEDIMENT TRANSPORTED BY SHEET FLOW.
   2. EROSION AND SEDIMENT CONTROL PRACTICES USE TO SATISFY THE CONDITIONS OF THIS PLAN SHALL MEET THE STANDARDS AND SPECIFICATIONS IN THE CURRENT EDITION OF WATER MANAGEMENT AND SEDIMENT CONTROL IN URBANIZED AREAS (SOIL CONSERVATIONS SERVICE).

F. MAINTENANCE & WASTE DISPOSAL
   1. ALL TEMPORARY AND PERMANENT CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
   2. NO SOLID OR LIQUID WASTE, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED IN STORM WATER RUNOFF. OFF-SITE VEHICLE TRACKING OF SEDIMENTS SHALL BE MINIMIZED. THE PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE AND APPLICABLE STATE OF LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
   3. EXCESS EXCAVATED MATERIAL IS TO BE DISPOSED OF ON SITE AS DIRECTED BY THE CONSTRUCTION MANAGER. EXCESS MATERIAL SHALL BE GRADED TO DRAIN.
   4. CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES AS PER PLAN AND AS REQUIRED BY THE LOCAL GOVERNING AGENCY AND THE KYDOW.

G. SEDIMENT CLEANUP - BY THE END OF EACH WORK DAY, SWEEP OR SCRAPE UP SOIL TRACKED ONTO THE ROAD. BY THE END OF THE NEXT WORK DAY AFTER A STORM, CLEAN UP SOIL WASHED OFF-SITE, AND CHECK STRAW BALES AND SILT FENCE FOR DAMAGE OR SEDIMENT BUILDUP.

H. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EXCAVATION OR AS SOON AS EXCAVATION IS COMPLETED OR SUSPENDED.

I. SEED WITHIN 30 DAYS OF REACHING FINAL GRADE OR AS SOON AS POSSIBLE.

STORM SEWERS:

A. ALL WORK AND MATERIALS ARE TO CONFORM TO THE LATEST EDITION OF THE SANITATION DISTRICT NO. 1 RULES & REGULATIONS.

B. STORM SEWER PIPES DESIGNATED AS "STM." SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING:
   1. NON-REINFORCED CONCRETE PIPE
   2. REINFORCED CONCRETE CIRCULAR PIPE
   3. REINFORCED CONCRETE ELLIPTICAL CULVERT, STORM DRAIN, AND SEWER PIPE
   4. ALUMINIZED CORRUGATED STEEL PIPE AND PIPE ARCHES WITH PAVED INVERT
   5. ALUMINIZED CORRUGATED STEEL SPIRAL RIB CONDUITS
   6. CORRUGATED POLYETHYLENE SMOOTH LINED PIPE
   7. POLYVINYL CHLORIDE PROFILE WALL PIPE

C. ALL STORM STRUCTURES ARE SD1 TYPES UNLESS OTHERWISE INDICATED.

D. ALL CATCH BASINS SHALL BE EQUIPPED WITH HEAVY DUTY, BICYCLE SAFE GRATES CAPABLE OF CARRYING AN HS-25 LOADING.

E. ANY EXISTING STORM SEWER CUT IN EXCAVATION WHICH DRAINS AN OFFSITE AREA MUST BE TIED INTO THE STORM SEWER SYSTEM.

F. ALL CATCH BASINS IN THE PAVEMENT OR DITCH SECTIONS TO HAVE A MINIMUM OF TWO FOUR (4) INCH PERFORATED UNDER DRAINS EXTENDING FIVE (5) LINEAR FEET FROM THE CATCH BASIN. UNDER DRAINS SHALL BE PLACED ONE ON EACH SIDE OF THE STORM SEWER AND AS NEAR TO PERPENDICULAR TO THE STORM SEWER AS IS PRACTICAL WITHOUT INTERFERING WITH STORM PIPES SHOWN ON THE PLANS.

G. AS THE INSTALLATION OF THE STORM SEWER PROGRESSES, EROSION CONTROL MEASURES SHALL BE PLACED AT INLET AND OUTLET OF SEWERS TO CONTROL THE SILT

H. ANY SUMP LINE CONDUITS ARE TO BE SDR 35, ARMCO 2000, OR EQUIVALENT.

I. ALL JOINTS SHALL BE SOIL SEAL JOINTS UNLESS SPECIFICALLY NOTED ON THE PLANS.

J. STORM WATER AND EXTRANEOUS FLOWS ARE PROHIBITED FROM ENTERING THE EXISTING SYSTEM DURING CONSTRUCTION. NO OPEN CUT TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT. STORM DRAINS, DIVERSION DITCHES, PUMPS ETC., SHALL BE USED AS REQUIRED TO MAINTAIN THE INTEGRITY OF THE SYSTEM AT ALL TIMES.

K. ALL CATCH BASINS WITH A DEPTH GREATER THAN 4.0 FT SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF SD1 & KYTC.

SANITARY SEWERS:

A. ALL WORK AND MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF THE SANITATION DISTRICT NO. 1 RULES & REGULATIONS (SD1).

B. ROOF DRAINS, FOUNDATION DRAINS, AND ALL OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

C. SANITARY CONNECTIONS TO EXISTING MANHOLES (IF APPLICABLE) MUST BE CORE DRILLED AND RUBBER GASKET INSTALLED.

D. ALL SANITARY MANHOLES & MAIN SHALL BE BUILT PER SD1 SPECIFICATIONS. THE SEWER CONSTRUCTED WITH THIS PROJECT SHALL BE PRIVATELY OWNED.

E. NO BUILDING SHALL BE CONNECTED TO A SEWER LATERAL UNTIL THE BUILDING IS UNDER ROOF.

F. SANITARY SHALL BE PVC SDR 35 FOR DEPTHS LESS THAN 20 FEET AND PVC SDR 26 FOR DEPTHS GREATER THAN OR EQUAL TO 20 FEET. PVC PIPE SHALL MEET THE REQUIREMENTS OF ASTM D 3034 FOR SEWER PIPE & FITTINGS AND SHALL BE GASKETED BELL & SPIGOT PUSH-ON JOINT PIPE.

G. ALL SANITARY SEWER MANHOLES, CASTINGS, PIPE, ETC., SHALL CONFORM WITH CURRENT SPECIFICATIONS OF THE SANITATION DISTRICT NO. 1 RULES & REGULATIONS.

H. SANITARY LATERALS SHALL BE EXTENDED TO AT LEAST FIVE (5) FEET OF BUILDING WALL.

I. CROSSINGS:
   WHENEVER A SANITARY SEWER AND WATER MAIN MUST CROSS, THE SEWER SHALL BE AT SUCH AN ELEVATION THAT THE CROWN OF THE SEWER IS AT LEAST 18 INCHES MEASURED BETWEEN THE OUTSIDE PIPE WALLS, BELOW THE BOTTOM OF THE WATER MAIN. IF IT IS ABSOLUTELY IMPOSSIBLE TO MAINTAIN THE 18 INCH VERTICAL SEPARATION, THE WATER MAIN SHALL BE RELOCATED OR THE SEWER SHALL BE CONSTRUCTED AS FOLLOWS:
   1. A SEWER PASSING OVER OR UNDER THE WATER MAIN SHALL BE ENCASED OR CONSTRUCTED OF MATERIALS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION FOR A MINIMUM DISTANCE OF 10 FEET ON EACH SIDE OF THE WATER MAIN.
   2. THE SEWER CROSSING SHALL BE CONSTRUCTED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
   3. WHERE A WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN.

J. PROVIDE THE SANITATION DISTRICT NO. 1 ENGINEER'S OFFICE WITH A FORTY-EIGHT (48) HOUR NOTICE PRIOR TO THE START OF ANY CONSTRUCTION, INCLUDING SANITARY INSTALLATION BY CALLING (859) 578-6880.

TELEPHONE:

A. TELEPHONE CONDUITS, WHETHER SHOWN IN THESE PLANS OR NOT, SHALL MEET THE FOLLOWING REQUIREMENTS.

B. TELEPHONE CONDUITS SHALL BE PVC SCH. 40 PRIVATELY OWNED (PO) CONDUITS, FOR TELEPHONE COMPANY USE, FROM THE PROPOSED BACK BOARD LOCATION TO THE POINT OF CONNECTION BY THE UTILITY PROVIDER. CONDUITS SHALL MEET THE REQUIREMENTS OF TELEPHONE SERVICE PROVIDER.

C. TERMINATE UNDERGROUND CONDUIT AT DESIGNATED LOCATION WITH A MINIMUM COVER OF 24 INCHES AND MAXIMUM COVER OF 36 INCHES.

D. WRAP THE END OF THE CONDUIT WITH A SUITABLE MATERIAL TO PREVENT CLOGGING UNTIL THE CABLE IS PLACED. TELEPHONE SERVICE PROVIDER WILL MAKE CONNECTION AT THIS POINT.

E. FLAG OR IDENTIFY THE END OF THE CONDUIT IN ORDER TO DESIGNATE THE POINT OF CONNECTION BETWEEN TELEPHONE SERVICE PROVIDER AND ENTRANCE CONDUIT.

F. POWER OR OTHER FOREIGN CONDUIT MUST BE SEPARATED FROM TELEPHONE CONDUIT BY A MINIMUM OF 12" OF EARTH OR 3" OF CONCRETE.

G. CONDUIT MUST BE PLACED AT A MINIMUM DEPTH OF 24" AND A MAXIMUM OF 36".

H. PROVIDE A 200# TEST PULL LINE IN CONDUIT.

I. ALL BENDS MUST BE LONG, SWEEPING BENDS WITH A RADIUS NOT LESS THAN TEN TIMES THE INTERIOR DIAMETER OF CONDUIT. WITH A MAXIMUM OF 180 DEGREES OF BENDS BETWEEN PULLING POINTS. WHEN 180 DEGREES OF BENDS ARE REQUIRED, A PULL BOX WILL BE REQUIRED.

J. CONDUIT ENTERING FROM BELOW GRADE POINT MUST EXTEND 4" ABOVE FINISHED FLOOR.

K. PROVIDE A 3/4" PLYWOOD BACKBOARD FOR TELEPHONE COMPANY USE. DIMENSIONS TO BE PROVIDED BY THE SERVICE PROVIDER. BACKBOARD SHALL BE PAINTED ON ALL SIDES WITH TWO COATS OF NONCONDUCTIVE, FIRE-RETARDANT PAINT OR FIRE RETARDANT VIRGIN PLYWOOD IS ALSO ACCEPTABLE.

L. PROVIDE A 110 VOLT 20 AMP DUPLEX OUTLET ON THE BACKBOARD.

M. PROVIDE AT THE BACKGROUND LOCATION, A COILED INSULATED #6 GROUND WIRE CONNECTED TO THE ELECTRIC SERVICE GROUND, FOR THE PROPER GROUNDING OF TELEPHONE COMPANY CABLES, TERMINALS, AND EQUIPMENT.

N. TERMINATION SPACE SHALL BE CONTINUALLY ACCESSIBLE, WELL-LIT, AND ENVIRONMENTALLY CLEAN.

O. TERMINATION SPACE MUST CONTAIN A 20 AMP DUPLEX GROUNDED OUTLET FOR TESTING AND MAINTENANCE AND SHALL HAVE A MINIMUM MAINTENANCE AREA OF 36 INCHES IN FRONT OF ALL TELEPHONE BOARDS.

P. CONDUIT MUST EXTEND 4" ABOVE FINAL GRADE AT THE CONNECTION TO THE UTILITY POLE.

WATER MAINS:

A. ALL WATER WORK AND WATER MAIN MATERIALS INCLUDING PIPE, FITTINGS, VALVES, HYDRANTS, AND INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE NORTHERN KENTUCKY WATER DISTRICT (NKWD) STD SPECIFICATIONS & DRAWINGS.

B. ALL WATER MAIN VALVES, FIRE HYDRANTS, FITTINGS, AND APPURTENANCES SHALL BE DUCTILE IRON PER AWWA C-151, MEETING THE REQUIREMENTS OF THE GOVERNING AGENCY.

C. ALL WATER FACILITIES CONSTRUCTED ON THIS PROJECT ARE TO BE PRIVATE, EXCEPT AS NOTED.

D. UNLESS OTHERWISE DIRECTED BY THE UTILITY PROVIDER OR FIRE DEPARTMENT, ALL PRIVATE FIRE HYDRANT'S SHALL BE PAINTED RED AND ALL PUBLIC FIRE-HYDRANT'S SHALL BE PAINTED YELLOW. COLORS TO MEET THE REQUIREMENTS OF NKWD.

E. PRIVATE MAINS AND APPURTENANCES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE GOVERNING AGENCY.

F. ALL FIRE HYDRANT VALVES AND WATER VALVES SHALL BE ENCASED IN A MIN. 6" CONCRETE SLAB MEETING THE REQUIREMENTS OF THE GOVERNING AGENCY.

G. NO PART OF ANY FIRE HYDRANT SETTING SHALL BE CLOSER THAN FIVE (5) FEET FROM ANY INLET, DRIVEWAY, PARKING LOT, UTILITY POLE, OR GUY WIRE ANCHOR.

H. WHEN MAIN LESS THAN THREE (3) FEET FROM EXISTING PUBLIC CURB, UNDER CURB OR EXISTING PUBLIC PAVEMENT, BACKFILL SHALL BE CONTROLLED DENSITY FILL.

I. DOMESTIC WATER MAINS SHALL MAINTAIN A MINIMUM COVER OF THREE (3) FEET.

J. ALL WATER MAIN VALVES SHALL HAVE A MINIMUM DEPTH OF 2.5 FT. AND MAXIMUM DEPTH OF 4.0 FT. FROM PROPOSED GRADE TO THE TOP OF THE VALVE OPERATING NUT.

K. A MINIMUM CLEAR DISTANCE OF TEN (10) FEET HORIZONTAL OR EIGHTEEN (18) INCHES VERTICAL SHALL BE MAINTAINED BETWEEN SANITARY AND/OR STORM SEWERS AND WATER MAINS.

L. SANITARY AND STORM SEWERS THAT CROSS WATER MAINS SHALL BE LOCATED SUCH THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.

M. ALL PUBLIC WATER MAINS SHALL BE PROVIDED WITH THRUST BLOCKING AT ALL TEES AND HORIZONTAL AND VERTICAL BENDS WHETHER SHOWN ON THE PLAN VIEW OR NOT. PRIVATE MAINS SHALL ALSO BE PROVIDED WITH THRUST BLOCKING AS DESCRIBED ABOVE. THRUST BLOCKING SHALL MEET THE REQUIREMENTS OF THE GOVERNING AGENCY.

GAS FACILITIES AND SERVICES:

A. FOR GAS ENGINEERING NOTIFICATION, AGREEMENTS AND OFFICIAL CORRESPONDENCE RELATED TO DUKE ENERGY, ADDRESS TO:
DUKE ENERGY
GAS ENGINEERING DEPARTMENT
1262 COX ROAD
ERLANGER, KY 41018

B. THE GAS MAIN INFORMATION PROVIDED SHOWS THE APPROXIMATE LOCATIONS AND DEPTHS OF COVER AND IS PROVIDED TO COMPLY WITH STATUTORY REGULATIONS. THIS INFORMATION SHOULD BE USED ONLY FOR PLANNING, NOT CONSTRUCTION.

C. ALL GAS MAIN DEPTHS OF COVER IF NOTED ARE APPROXIMATE DEPTHS OF COVER RECORDED AT THE TIME OF INSTALLATION. ANY RESULTING GRADE CHANGES SINCE THE TIME OF THE MAIN INSTALLATION WILL CAUSE THE EXISTING DEPTHS OF COVER TO BE DIFFERENT. EXTREME CARE MUST BE TAKEN TO ENSURE SAFE EXCAVATION WHEN APPROACHING KNOWN OR SUSPECTED GAS FACILITIES.

D. GAS SERVICE SHALL MEET THE REQUIREMENTS OF THE UTILITY PROVIDER.

E. GAS SERVICE SHALL BE POLYETHYLENE PIPE MEETING THE REQUIREMENTS OF ASTM D-2513 AND THE PLASTIC PIPE INSTITUTE PE 2406 FOR MEDIUM DENSITY PIPE.

F. ALL GAS SERVICES WERE INSTALLED AT A MINIMUM OF 1'-6" OF COVER. SEE NOTE C. ABOVE.

G. FOR ADDITIONAL GAS FACILITY RECORD INFORMATION, CALL DUKE ENERGY AT (859)534-4369.

H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO GAS FACILITIES DURING OR AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION. ALL DAMAGE TO GAS FACILITIES REQUIRING ADJUSTMENTS, RELOCATIONS AND/OR REPAIRS WILL BE MADE AT THE CONTRACTOR'S EXPENSE.

I. THE CONTRACTOR SHALL SHEET AND SHORE ALL EXCAVATIONS AS REQUIRED TO CONTINUOUSLY SUPPORT GAS FACILITIES WITHIN THE ZONE OF INFLUENCE (AS DETERMINED BY THE NATURAL ANGLE OF REPOSE OF THE SOIL).

J. CROSSING BURIED GAS FACILITIES WITH HEAVY CONSTRUCTION EQUIPMENT MAY CAUSE DAMAGE TO THE GAS FACILITIES. CONTACT THE GAS ENGINEERING DEPARTMENT FOR DETAILS ON HOW TO PROTECT THE GAS FACILITIES FROM DAMAGE.

K. THE CONTRACTOR SHALL NOT BACKFILL EXPOSED GAS FACILITIES UNTIL THE UTILITY HAS INSPECTED ITS FACILITIES AND PERFORMED ANY MAINTENANCE AND/OR ADJUSTMENTS THAT MAY BE REQUIRED.

L. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING ANY DAMAGE TO EXISTING GAS FACILITIES. THIS INCLUDES PROTECTION OF COATINGS AND WRAPPINGS ON STEEL GAS MAINS. IT ALSO INCLUDES ANY DAMAGE WHICH MAY HAVE OCCURRED TO PLASTIC GAS MAINS, SUCH AS CRIMPS OR GOUGES.

M. WHEN CAST IRON OR SIMILAR GAS FACILITIES ARE EXPOSED OR INTERFERED WITH BY THE CONTRACTOR, REPLACEMENT OR REINFORCEMENT BY THE UTILITY OWNER MAY BE REQUIRED AT THE CONTRACTOR'S EXPENSE. BACKFILL WITH CONTROL LOW STRENGTH MATERIAL WILL BE REQUIRED.

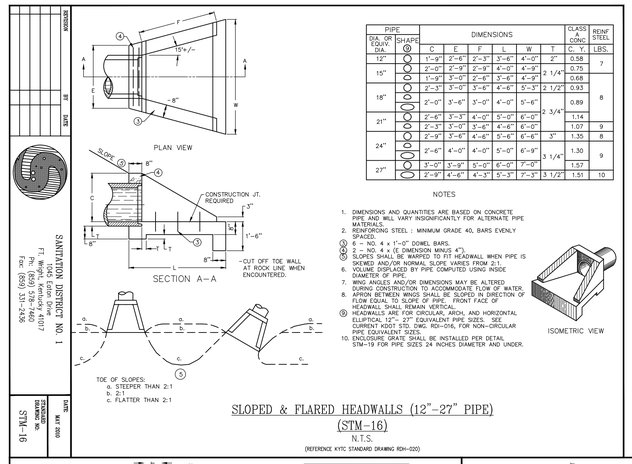
N. BLASTING OR OTHER CONSTRUCTION PROCEDURES WHICH MAY TRANSMIT LOADS OR VIBRATIONS IN THE VICINITY OF GAS FACILITIES MUST BE APPROVED BY THE GAS ENGINEERING DEPARTMENT. A BLASTING PLAN, IDENTIFYING ALL PERTINENT INFORMATION, MUST BE SUBMITTED IN WRITING BY A BLASTING EXPERT PRIOR TO ANY WORK.

O. PROPOSED DEVELOPMENT PLANS AROUND AND NEAR GAS FACILITIES WITHIN PRIVATE EASEMENTS MUST BE SUBMITTED TO THE GAS ENGINEERING DEPARTMENT FOR REVIEW. THESE PLANS MUST BE APPROVED BEFORE ANY WORK MAY BEGIN WITHIN THE UTILITY OWNER'S EASEMENTS.

P. SPECIFIED EASEMENT WIDTHS MUST BE MAINTAINED IN ORDER FOR THE UTILITY PROVIDER TO PROTECT ITS FACILITIES.

Q. CUTS AND FILLS ARE GENERALLY NOT PERMITTED WITHIN THE EASEMENTS. SOME FILLS MAY BE ALLOWED, AND WILL BE REVIEWED ON AN INDIVIDUAL BASIS. ANY PERMITTED FILLS WILL BE LIMITED TO AN AMOUNT WHICH WILL ALLOW THE UTILITY OWNERS TO PROPERLY MAINTAIN ITS FACILITIES.

R. PERPENDICULAR UTILITY CROSSINGS OF GAS EASEMENTS ARE ACCEPTABLE, PROVIDED PROPER CLEARANCES ARE MAINTAINED. PARALLEL INSTALLATIONS ARE NORMALLY NOT ALLOWED.



PIPE DIA. OR EQUIV. DIA.	SHAPE (B)	DIMENSIONS C	E	F	L	W	T	CLASS CONC C, Y	REINF STEEL LBS.
12"	○	1'-9"	2'-6"	2'-3"	3'-6"	4'-0"	2"	0.58	7
15"	○	2'-0"	2'-9"	2'-9"	4'-0"	4'-9"	2 1/4"	0.75	
	○	1'-9"	3'-0"	2'-6"	3'-6"	4'-9"		0.68	
18"	○	3'-0"	3'-0"	3'-6"	4'-6"	5'-3"	2 1/2"	0.83	8
	⬭	2'-0"	3'-6"	3'-0"	4'-0"	5'-6"		0.89	
21"	○	2'-6"	3'-3"	4'-0"	5'-0"	6'-0"	2 3/4"	1.14	
	⬭	2'-3"	3'-0"	3'-6"	4'-0"	6'-0"		1.07	9
24"	○	2'-9"	3'-6"	4'-6"	5'-6"	6'-6"	3"	1.35	8
	⬭	2'-6"	4'-0"	4'-0"	5'-0"	6'-9"		1.30	9
27"	○	3'-0"	3'-9"	5'-0"	6'-0"	7'-0"	3 1/4"	1.57	
	⬭	2'-9"	4'-6"	4'-3"	5'-3"	7'-3"		1.51	10

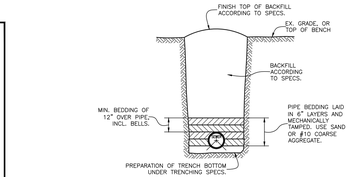
NOTES
1. DIMENSIONS AND QUANTITIES ARE BASED ON CONCRETE PIPE AND WILL VARY INSIGNIFICANTLY FOR ALTERNATE PIPE MATERIALS.
2. REINFORCING STEEL : MINIMUM GRADE 40, BARS EVENLY SPACED.
3. C – NO. 4 x (E DIMENSION MINUS 4").
4. SLOPES SHALL BE WARPED TO FIT HEADWALL WHEN PIPE IS SKEWED AND/OR NORMAL SLOPE VARIES FROM 2:1.
5. VOLUME DISPLACED BY PIPE COMPUTED USING INSIDE DIAMETER OF PIPE.
6. WING ANGLES AND/OR DIMENSIONS MAY BE ALTERED DURING CONSTRUCTION TO ACCOMMODATE FLOW OF WATER.
7. APRON BETWEEN WINGS SHALL BE SLOPED IN DIRECTION OF FLOW EQUAL TO SLOPE OF PIPE. FRONT FACE OF HEADWALL SHALL BE VERTICAL.
8. HEADWALLS ARE FOR CIRCULAR, ARCH, AND HORIZONTAL ELLIPTICAL 12"– 27" EQUIVALENT PIPE SIZES. SEE CURRENT KDOT STD. DWG. RDY–016, FOR NON–CIRCULAR PIPE EQUIVALENT SIZES.
9. ENCLOSURE GRATE SHALL BE INSTALLED PER DETAIL STM–19 FOR PIPE SIZES 24 INCHES DIAMETER AND UNDER.

SLOPED & FLARED HEADWALLS (12"–27" PIPE)
(STM–16)
N.T.S.
(REFERENCE KYTC STANDARD DRAWING RDH–020)

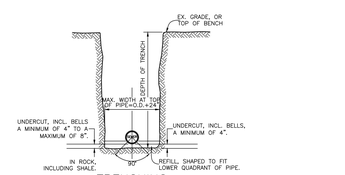
REVISION	BY	DATE

SANITATION DISTRICT NO. 1
1045 Eaton Drive
FT. Wright, Kentucky 41017
Ph: (859) 578–7460
Fax: (859) 331–2436

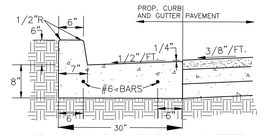
DATE: July 2019
STANDARD DRAWING NO: STM–16



BEDDING AND BACKFILLING
AS REQUIRED FOR ANY TYPE AND CLASS OF PIPE USED.



TRENCHING
METHOD TWO SHOWN
METHOD ONE WILL BE ALLOWED ONLY WITH ENGINEER'S APPROVAL, IN SOIL.


PROP. CURB AND GUTTER PAVEMENT
1

Madison Pike (KY Hwy #17)
(R/W Varies - Acquired by Deed)

North Exit from Pioneer Park

Ex. San. MH
Rim=499.22
Inv=484.25 (per SD1)

Ex. 18"x7" Box Culvert
Inv.=487.35

Ex. Signalized Intersection

Ex. Sign

Ex. 18"x7" Box Culvert
Inv.=488.28

Ex. 24" CMP
Inv.=493.45

Ex. Wire Fence

Ex. Transformer on Pole

Ex. 18" CMP
Inv.=490.10

Ex. Stm. C.B.
T/Gr=497.18
Inv.=493.45

Ex. Stm. C.B.
T/Gr=504.52
Inv.=494.85

Ex. 18" CMP
Inv.=489.98

Ex. Asphalt and Gravel Drive (Access Point)

Ex. Elec. Ease. to ULH&P Vol. I–617, Pg. 56

Ex. Wire Fence

Ex. 15' Elec. Ease. to ULH&P D.B. 159, Pg. 195

Ex. Treeline

Ex. San. MH
Rim=498.93
Inv=492.57 (per SD1)

Approx. Location of Ex. San. Ease. to grantor D.B. 287, Pg. 101

Location of Ex. 20' San. Ease. to SD1 D.B. 234, Pg. 172

REMOVE EX. FENCE

REMOVE EX. UTILITY POLE

REMOVE EX. POSTS

REMOVE EX. STRUCTURE

REMOVE EX. OVERHEAD UTILITY LINE

Ex. Gravel Lot

Ex. Metal Carport

Ex. Sign

BEGIN REMOVE EX. CATCH BASIN AND PIPES

Ex. 20" Steel Inv.=506.21

REMOVE EX. GRAVEL

Ex. Stm. C.B.
T/Gr=510.86
Inv.=507.86

Ex. Wood Building

REMOVE EX. POSTS

Ex. Post

REMOVE EX. FENCE

Ex. Wire Fence

REMOVE EX. BARRIER WALLS

Ex. Stm. C.B.
T/Gr=513.80
Inv.=508.13

Ex. Concrete Barrier Walls

REMOVE EX. POSTS

REMOVE EX. STRUCTURE

Ex. Wood Sheds

END REMOVE EX. CATCH BASIN AND PIPES

Ex. 20" Steel Inv.=511.02

Pioneer Valley Industrial Park
Plat Slide A-264
Group No. IND

Ex. San. MH
Rim=499.69
Inv=492.64 (per SD1)

Tuscanyview Drive
(60' R/W Dedicated in P.S. B-707)
f.k.a. Holds Branch Road

Proposed Holds Branch Road & Alley Dedication
Plat Slide B-707
Group No. IND

Holds Branch

Ex. 4" PVC
Inv.=542.93

Ex. 4" PVC
Inv.=547.52

Ex. 8" PVC
Inv.=571.06

Ex. 4" PVC
Inv.=568.11

Ex. 4" PVC
Inv.=531.28

Ex. 36" W

Tuscany Subdivision
Section 6
Plat Slide A-928
Group No. IND.

Tuscany Subdivision
Section 8
Plat Slide A-950
Group No. IND

Tuscany Subdivision
Section 3
Plat Slide A-870
Group No. IND

Rolling Hills Drive
(26' R/W Dedicated by plats)

PLAN LEGEND
- ITEM TO BE REMOVED
- REMOVAL LIMITS
- EXISTING TREE-LINE
- CLEARING LIMITS

Basis of Bearing:
State Plane NAD83 (2011)
0 30 45
SCALE: 1" = 30'

Item	Revision Description	Date	Drwn	Chk
	PRELIMINARY			

KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE
347 MADISON PIKE
COVINGTON, KY
BG# 24-084

EXISTING CONDITIONS AND DEMOLITION PLAN

bayer becker
www.bayerbecker.com
209 Grandview Drive
Fort Mitchell, KY 41017 - 859.261.1113

Drawing: 22-0253 CD
Drawn by: JRD
Checked By: JRD
Issue Date:

Sheet: **C200**

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Plot time: Dec 14, 2023 - 1:35pm
Drawing name: J:\2022\22-0253\CV\DWG\22-0253 CD.dwg - Layout Tab: C200 XCON & DEMO

Basis of Bearing:
State Plane NAD83 (2011)
0 30 45
SCALE: 1" = 30'

Madison Pike (KY Hwy #17)
(R/W Varies - Acquired by Deed)

Tuscanyview Drive
(60' R/W Dedicated in P.S. B-707)
f.k.a. Holds Branch Road

Holds Branch

Ex. Elec. Ease. to ULH&P Vol. I-617, Pg. 56

Ex. Transformer on Pole

Ex. Transformer on Pole

Ex. 15' Elec. Ease. to ULH&P D.B. 159, Pg. 195

Approx. Location of Ex. San. Ease. to grantor D.B. 287, Pg. 101

Location of Ex. 20' San. Ease. to SD1 D.B. 234, Pg. 172

Location of Ex. 20' San. Ease. to SD1 D.B. 234, Pg. 168

PROP. BUILDING
F.F. = 516±

FLAGPOLE

DETENTION BASIN
(PRIVATELY MAINTAINED)

MONUMENT SIGN

38' WIDE BY 10.5' TALL CONSPAN ARCH

APPROX. LOCATION OF PROPOSED SANITARY LATERAL TIE-IN BETWEEN SD1 MANHOLES #2000004 AND #2000003

Proposed Holds Branch Road & Alley (f.k.a. Tuscanyview Drive) Plat Slide A-707 Group No. IND

SEE C401 FOR SIDEWALK PLAN CONTINUATION

Pioneer Valley Industrial Park
Plat Slide A-264
Group No. IND

Tuscany Subdivision
Section 6
Plat Slide A-928
Group No. IND

Tuscany Subdivision
Section 3
Plat Slide A-870
Group No. IND

Tuscany Subdivision
Section 8
Plat Slide A-950
Group No. IND

Rolling Hills Drive
(26' R/W Dedicated by plats)

PLAN LEGEND
PROPOSED PAVEMENT
PROPOSED CONCRETE

PARKING TOTALS:
VEHICULAR SPACES = 201
ADA ACCESSIBLE SPACES = 7
TOTAL PARKING PROVIDED = 208

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Item	Revision Description	Date	Drwn	Chk
	PRELIMINARY			

KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE
347 MADISON PIKE
COVINGTON, KY
BG# 24-084
SITE PLAN

bayer becker
www.bayerbecker.com
209 Grandview Drive
Fort Mitchell, KY 41017 - 859.261.1113

Drawing: 22-0253 CD
Drawn by: JRD
Checked By: JRD
Issue Date:

Sheet: **C300**

Plot time: Dec 14, 2023 - 1:35pm
Drawing name: J:\2022\22-0253\CV\DWG\22-0253 CD.dwg - Layout Tab: C300 SITE

Basis of Bearing:
State Plane NAD83 (2011)
0 30 45
SCALE: 1" = 30'

Madison Pike (KY Hwy #17)
(R/W Varies - Acquired by Deed)

Ex. Son. MH
Rim=499.22
Inv=484.25 (per SD1)

Ex. 18"x7"
Inv.=487.35

Ex. 18"x7"
Box Culvert

Ex. 18" CMP
Inv.=490.10

Ex. 18" CMP
Inv.=489.95

Ex. 18"x7"
Inv.=488.28

Ex. 24" CMP
Inv.=493.45

COORDINATE ELECTRIC SERVICE WITH DUKE AND MEP PLANS

Ex. Transformer on Pole

Ex. Stm. C.B.
T/Gr=497.18
Inv.=493.48

Ex. Transformer on Pole

Ex. Stm. C.B.
T/Gr=504.52
Inv.=494.85

Ex. Elec. Ease.
to ULH&P
Vol. I–817, Pg. 56

PROPOSED WATER METER PIT AND FDC PER NKWD REQUIREMENTS, MEP COORDINATION AND FIRE DEPT.

Ex. 15' Elec. Ease.
to ULH&P
D.B. 159, Pg. 195

Ex. Son. MH
Rim=498.93
Inv=493.53 (per SD1)

Approx. Location of Ex. San. Ease. to grantor
D.B. 287, Pg. 101

Location of Ex. 20' San. Ease. to SD1
D.B. 234, Pg. 172

Ex. Son. MH
Rim=499.69
Inv=492.64 (per SD1)

Location of Ex. 20' San. Ease. to SD1
D.B. 234, Pg. 168

Ex. Son. MH
Rim=504.52
Inv=493.49 (per SD1)

Tuscanyview Drive
(60' R/W Dedicated in P.S. B-707)
f.k.a. Holds Branch Road

Holds Branch

Proposed Holds Branch Road & Alley Dedication
Plat Slide B-707
Group No. IND

188' STM

84' STM

STM S15

18' STM

18' STM

140' STM

20' STM

SAN MH

SAN MH

SAN MH

SANITARY CLEANOUT (TYP.)

6" SANITARY SEWER LATERAL INV = 512±

106'-6"SAN@1.00%

PROP. BUILDING
F.F. = 516±

110'-6"SAN@1.00%

6" W

WS

6" W

WS

6" W

WS

6" W

6" W

6" W

6" W

DETENTION BASIN
(PRIVATELY MAINTAINED)

77' STM

58' STM

15'-0"SAN@1.00%

38'-4"SAN@1.00%

53'-6"SAN@1.00%

CONNECT TO EX SAN MAIN

38' WIDE BY 10.5'
TALL CONSPAN ARCH

Ex. 36" MT

Pioneer Valley Industrial Park
Plat Slide A-264
Group No. IND

Ex. 4" PVC
Inv.=547.52

Ex. 4" PVC
Inv.=542.93

Ex. 6" PVC
Inv.=571.06

Ex. 4" PVC
Inv.=568.11

Ex. 4" PVC
Inv.=571.28

Tuscany Subdivision
Section 6
Plat Slide A-928
Group No. IND

Tuscany Subdivision
Section 8
Plat Slide A-950
Group No. IND

Tuscany Subdivision
Section 3
Plat Slide A-870
Group No. IND

Rolling Hills Drive
(26' R/W Dedicated by plats)

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Item	Revision Description	Date	Drwn	Chk

PRELIMINARY

KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE
347 MADISON PIKE
COVINGTON, KY
BG# 24-084

UTILITY PLAN

bayer becker
www.bayerbecker.com
209 Grandview Drive
Fort Mitchell, KY 41017 - 859.261.1113

Drawing: 22-0253 CD
Drawn by: JRD
Checked By: JRD
Issue Date:

Sheet: **C400**

Plot time: Dec 14, 2023 - 1:35pm
Drawing name: J:\2022\22-0253\CVDWG\22-0253 CD.dwg - Layout Tab: C400 UTILITY PLAN

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bayer becker
www.bayerbecker.com
209 Grandview Drive
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Drawing: 22-0253.GD
Drawn by: JRD
Checked by: JRD
Issue Date:

Sheet: **C401**

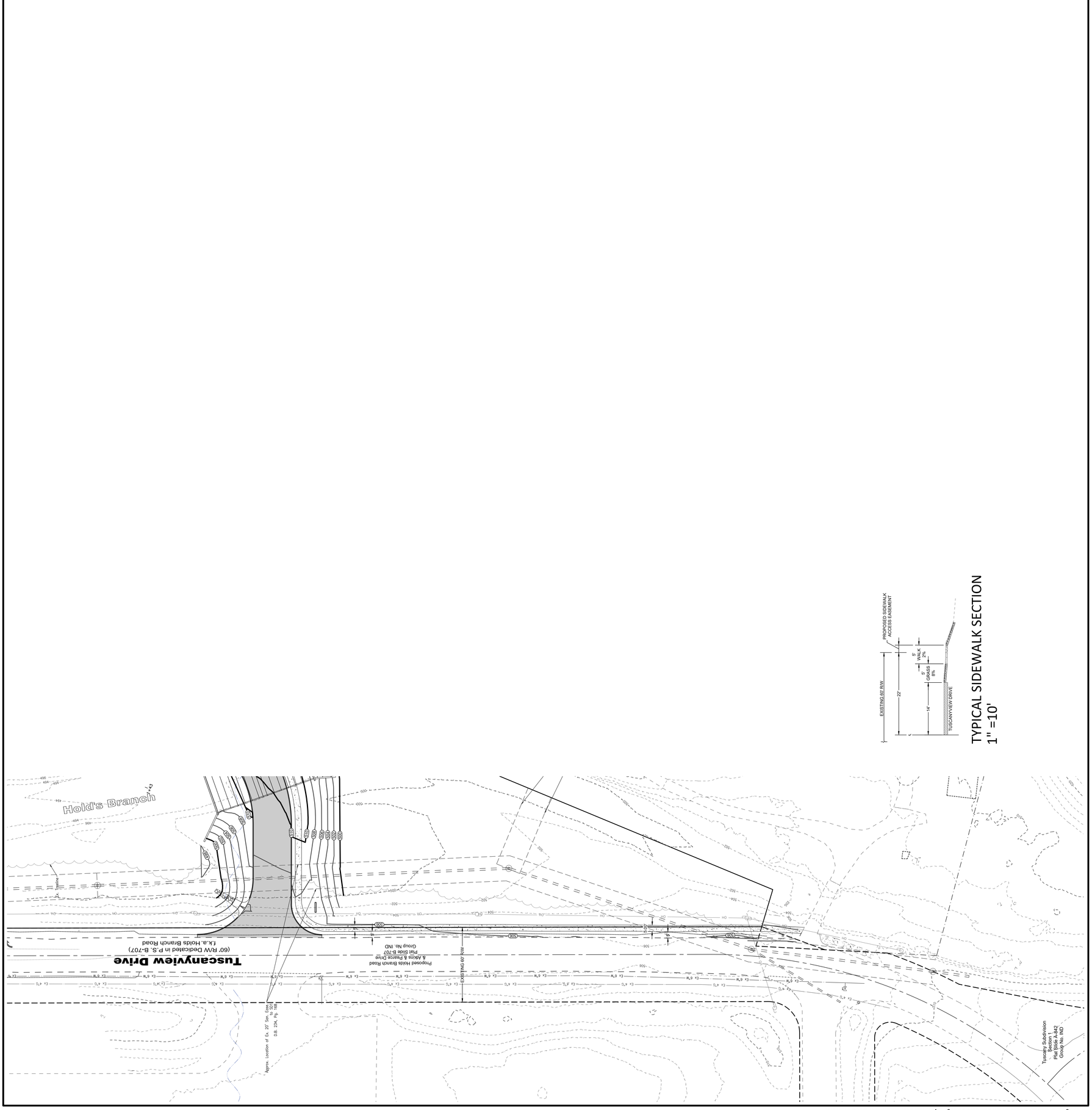
KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE
347 MADISON PIKE
COVINGTON, KY
BG# 24-084

SIDEWALK PLAN AND UTILITY PROFILES

PRELIMINARY

Item	Revision Description	Date	Dwn.	Chk.

SCALE: 1" = 30'
0 30 45
Basis of Bearing:
State Plane NAD83 (2011)



TYPICAL SIDEWALK SECTION
1" =10'

Plot time: Dec 14, 2023 - 1:35pm
Drawing name: J:\2022\22-0253\CV\MG\22-0253 CD.dwg - Layout Tab: C401 SIDEWALK PLAN & UTIL PROF

Basis of Bearing:
State Plane NAD83 (2011)
0 30 45
SCALE: 1" = 30'

Madison Pike (KY Hwy #17)
(R/W Varies - Acquired by Deed)

Tuscanyview Drive
(60' R/W Dedicated in P.S. B-707)
A.K.A. Holds Branch Road

Rolling Hills Drive
(26' R/W Dedicated by plats)

Holds Branch

North Exit from Pioneer Park

Ex. Signalized Intersection

Ex. Son. MH
Rim=499.22
Inv=484.25 (per SD1)

Ex. 18"x7" Box Culvert

Ex. 18"x7" Inv.=487.35

Ex. 18" CMP Inv.=490.10

Ex. 18" CMP Inv.=489.98

Ex. Asphalt and Gravel Drive (Access Point)

Ex. Elec. Ease. to ULH&P Vol. 1=617, Pg. 56

Ex. Sign

Ex. 18"x7" Inv.=488.28

Ex. 24" CMP Inv.=493.45

Ex. Transformer on Pole

Ex. Stm. CB T/G=497.18 Inv.=493.48

Ex. Stm. CB T/G=504.52 Inv.=494.85

Ex. Wire Fence

Ex. 15' Elec. Ease. to ULH&P D.B. 159, Pg. 195

Ex. Son. MH
Rim=498.93
Inv=492.23 (per SD1)

Approx. Location of Ex. Son. Ease. to grantor D.B. 287, Pg. 101

x. Location of Ex. 20' Son. Ease. to SD1 D.B. 234, Pg. 172

Ex. Son. MH
Rim=499.69
Inv=492.64 (per SD1)

Ex. Treeline

Ex. Son. MH
Rim=504.63
Inv=493.49 (per SD1)

x. Location of Ex. 20' Son. Ease. to SD1 D.B. 234, Pg. 168

Start XS

Proposed Holds Branch Road & Atkins & Pearce Drive Public R/W Dedication Group No. IND

PROP. BUILDING
F.F.= 516±

DETENTION BASIN
(PRIVATELY MAINTAINED)

Pioneer Valley Industrial Park
Plat Slide A-264
Group No. IND

Tuscany Subdivision
Section 8
Plat Slide A-928
Group No. IND

Tuscany Subdivision
Section 8
Plat Slide A-950
Group No. IND

Tuscany Subdivision
Section 3
Plat Slide A-870
Group No. IND

Ex. 4" PVC Inv.=542.93

Ex. 4" PVC Inv.=547.52

Ex. 4" PVC Inv.=568.11

Ex. 4" PVC Inv.=571.28

Ex. 8" PVC Inv.=571.08

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Item	Revision Description	Date	Dwn.	Chk.
	PRELIMINARY			

KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE
347 MADISON PIKE
COVINGTON, KY
BG# 24-094

GRADING PLAN & SWPPP

bayer becker
www.bayerbecker.com
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Fort Mitchell, KY 41017 - 859.261.1113

Drawing: 22-0253 CD
Drawn by: JRD
Checked By: JRD
Issue Date:

Sheet:
C500

Plot time: Dec 14, 2023 - 1:35pm
Drawing name: J:\2022\22-0253\CV\DWG\22-0253 CD.dwg - Layout Tab: C500 GRADING & SWPPP

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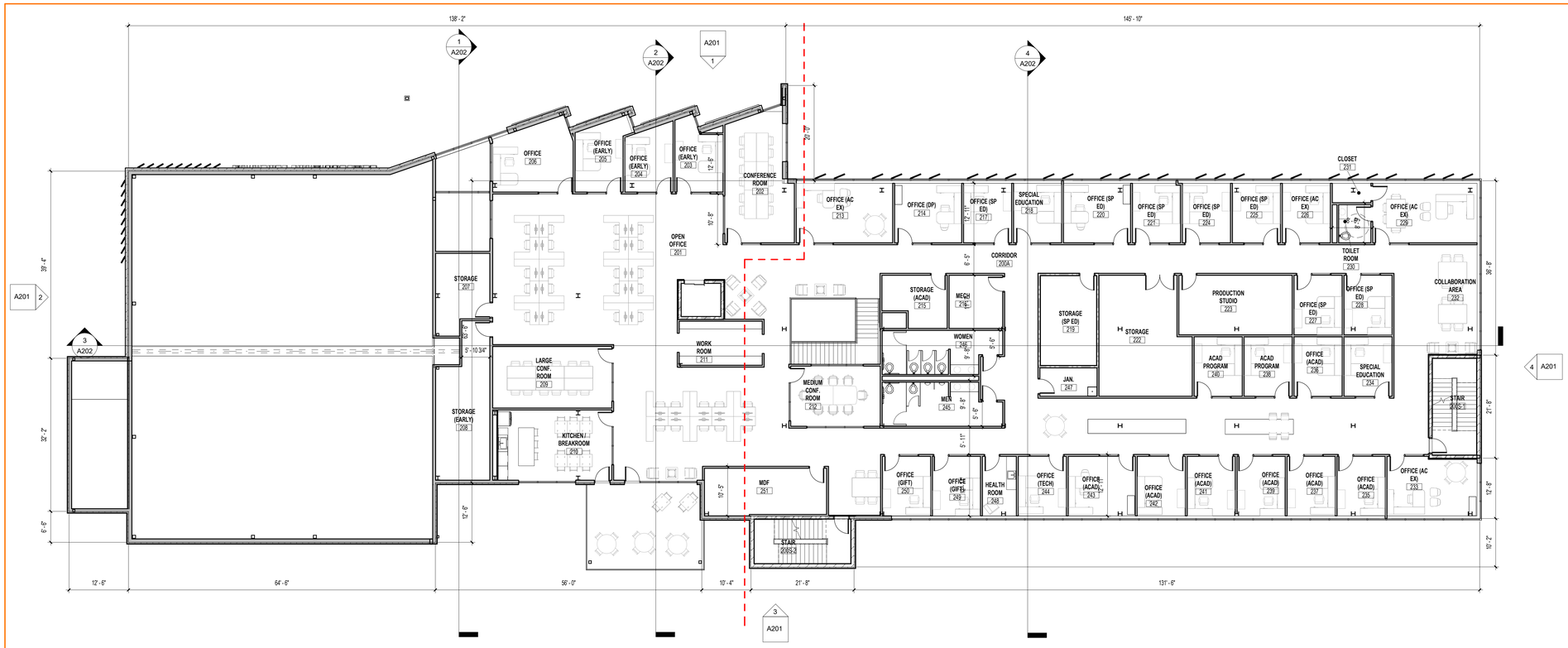
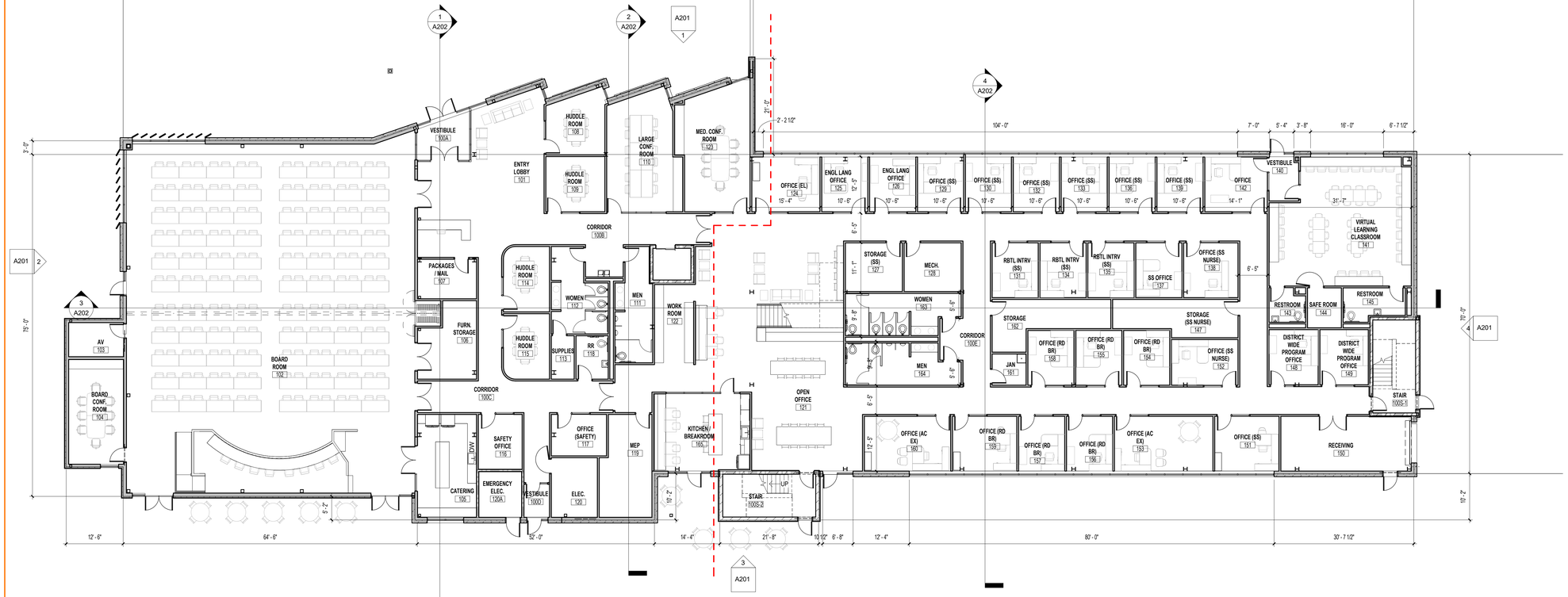


MAGNETIC PLAN

2 A050 — OVERALL SECOND FLOOR

SCALE: 3/32" = 1'-0"



MAGNETIC PLAN

1 A050 — OVERALL FIRST FLOOR

SCALE: 3/32" = 1'-0"

GENERAL NOTES - FLOOR PLANS

A. ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF MASONRY UNLESS NOTED OTHERWISE.

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KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

OVERALL PLANS - FIRST AND SECOND FLOOR

22-106

A050

PRINT DATE: 12/14/2023 2:33:29 PM

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GENERAL NOTES - FLOOR PLANS

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MAGNETIC PLAN

3 / A051 OVERALL THIRD FLOOR

SCALE: 3/32" = 1'-0"

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	DD SUBMITTAL	2023-12-14

OVERALL PLANS - THIRD FLOOR

22-106

A051

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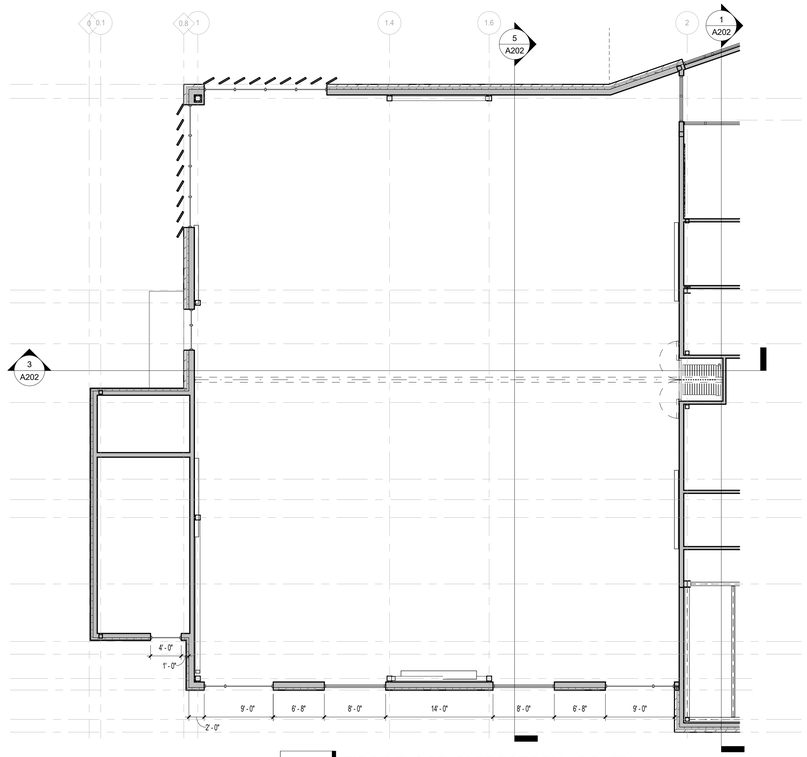


3 FIRST FLOOR CLERESTORY - SOUTH
A101A SCALE: 1/8" = 1'-0"

MAGNETIC PLAN

1 FIRST FLOOR - SOUTH
A101A SCALE: 1/8" = 1'-0"

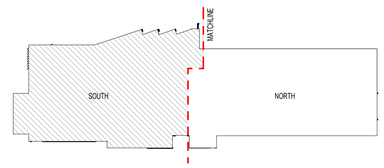
GENERAL NOTES - FLOOR PLANS

A. ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF MASONRY UNLESS NOTED OTHERWISE.

SHEET KEYNOTES

10A OPERABLE PANEL PARTITION.

WALL TYPES		
Type Mark	Description	Fire Rating
A3.2	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
A3.4	5/8" GYPSUM BOARD (ONE SIDE) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C..EXTEND ASSEMBLY TO MIN. 6" ABOVE FINISHED CEILING.	-
A3.6	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
A3.6D	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE	-
A6.6	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 6" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
B3.2	(2) HOUR FIRE RATED PARTITION PER U.L. #UL419: (2) LAYERS 5/8" TYPE 'X' GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE.	2
C2.2	5/8" GYPSUM BOARD (ONE SIDE) OVER 1-5/8" METAL STUDS AT 16" O.C. EXTEND ASSEMBLY TO MIN. 6" ABOVE FINISHED CEILING.	-
M3.2	(2) HOUR FIRE RATED PARTITION PER U.L. #U905: 8" CMU WALL WITH HORIZONTAL REINFORCING AT 16" O.C. VERTICALLY.	2



KEY PLAN

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KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

PARTIAL FIRST FLOOR PLAN - SOUTH

22-106

A101A

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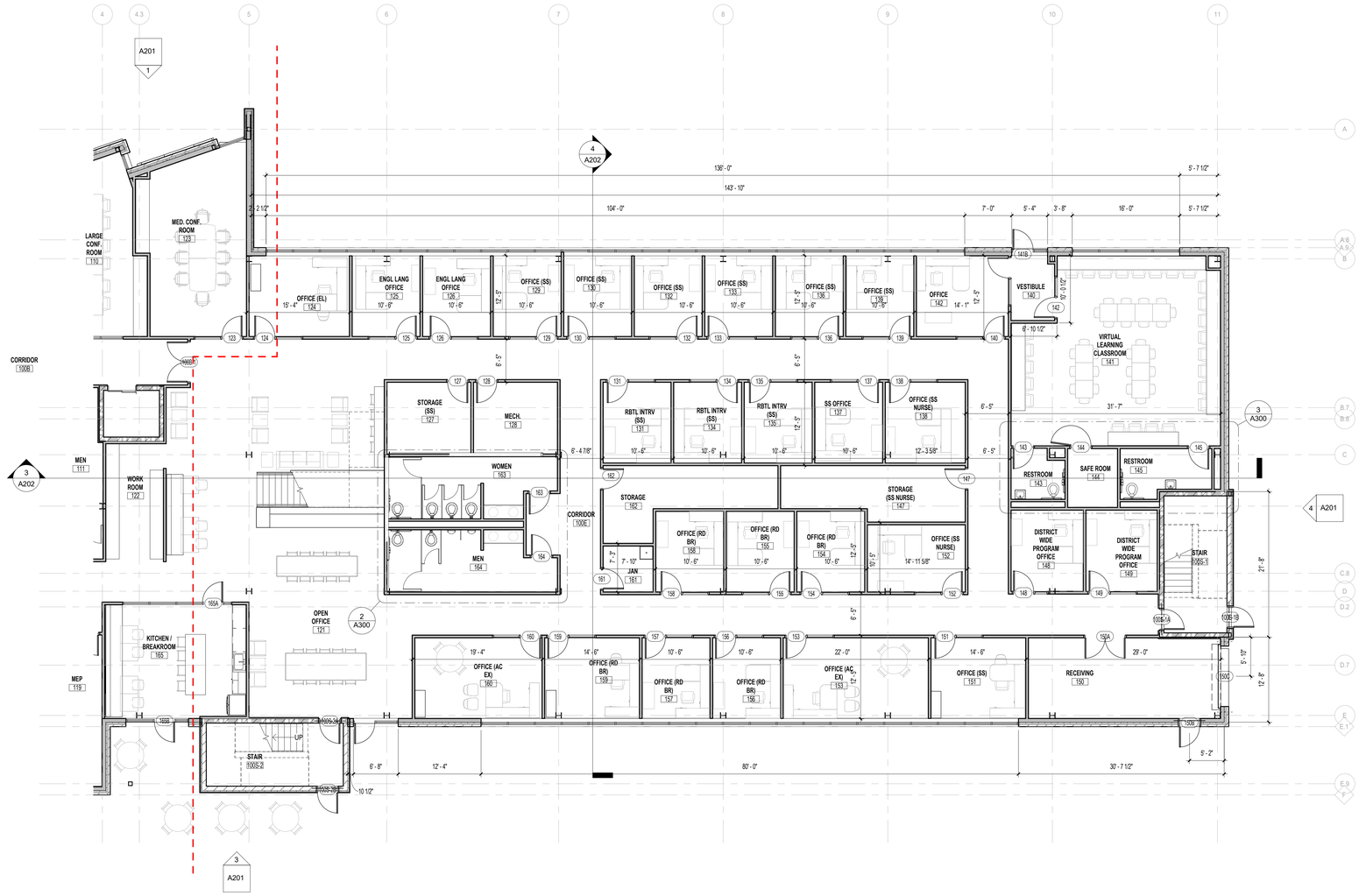
SHEET KEYNOTES



MAGNETIC PLAN

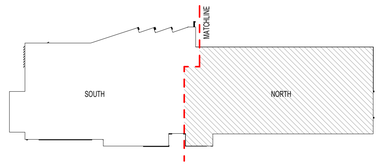
1
A101B

FIRST FLOOR - NORTH

SCALE: 1/8" = 1'-0"

WALL TYPES

Type Mark	Description	Fire Rating
A3.2	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
A3.4	5/8" GYPSUM BOARD (ONE SIDE) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C..EXTEND ASSEMBLY TO MIN. 6" ABOVE FINISHED CEILING.	-
A3.6	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
A3.6D	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE	-
A6.6	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 6" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
B3.2	(2) HOUR FIRE RATED PARTITION PER U.L. #UM419: (2) LAYERS 5/8" TYPE 'X" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE.	2
C2.2	5/8" GYPSUM BOARD (ONE SIDE) OVER 1-5/8" METAL STUDS AT 16" O.C..EXTEND ASSEMBLY TO MIN. 6" ABOVE FINISHED CEILING.	-
M3.2	(2) HOUR FIRE RATED PARTITION PER U.L. #U905: 8" CMU WALL WITH HORIZONTAL REINFORCING AT 16" O.C. VERTICALLY.	2



KEY PLAN

PRINT DATE: 12/14/2023 2:33:40 PM

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KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

PARTIAL FIRST FLOOR PLAN - NORTH

22-106

A101B

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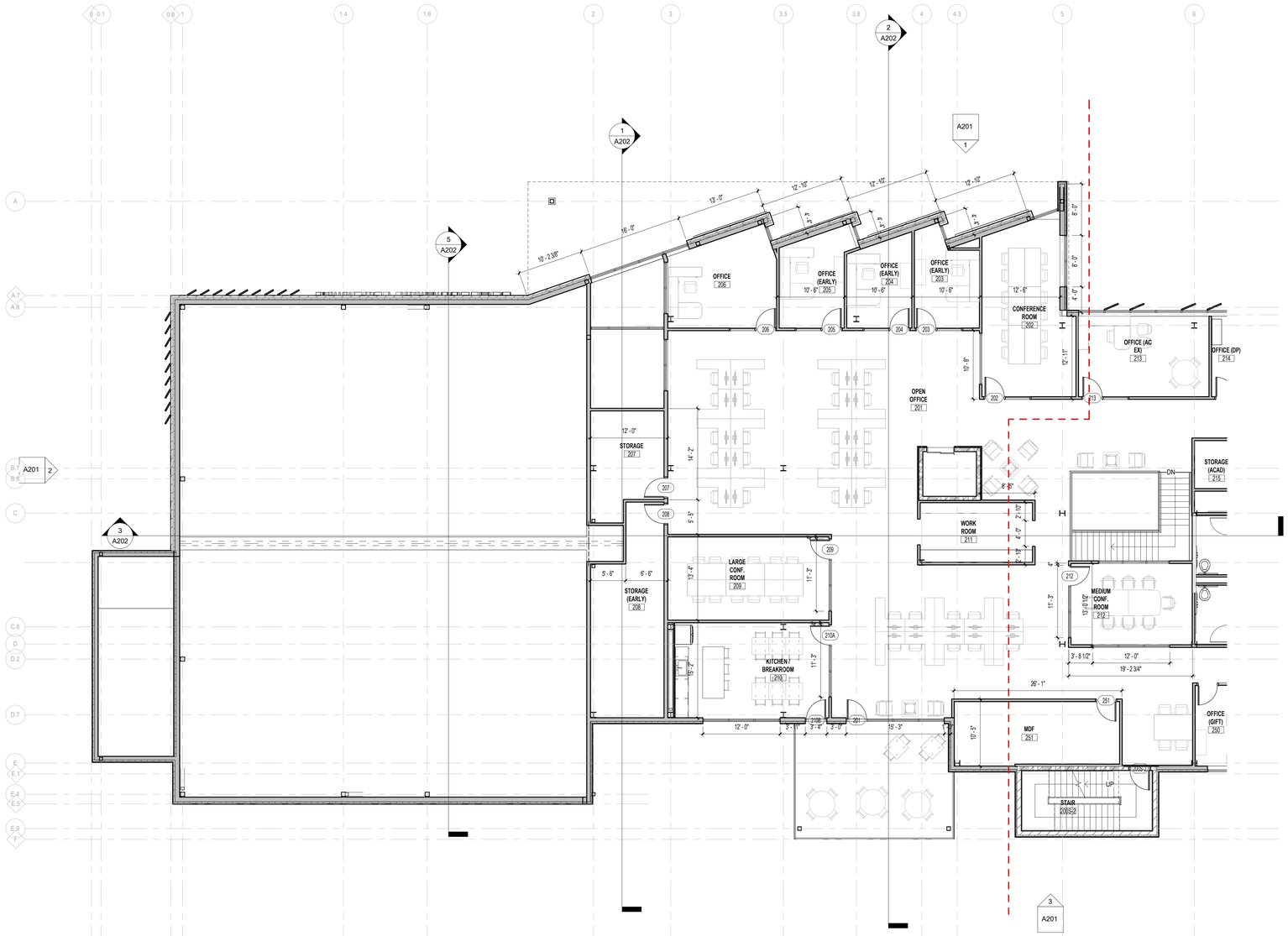
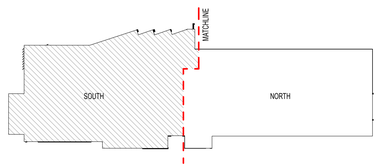
SHEET KEYNOTES



WALL TYPES		
Type Mark	Description	Fire Rating
A3.2	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
A3.4	5/8" GYPSUM BOARD (ONE SIDE) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C..EXTEND ASSEMBLY TO MIN. 6" ABOVE FINISHED CEILING.	-
A3.6	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
A3.6D	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE	-
A6.6	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 6" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
B3.2	(2) HOUR FIRE RATED PARTITION PER U.L. #U419: (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE.	2
C2.2	5/8" GYPSUM BOARD (ONE SIDE) OVER 1-5/8" METAL STUDS AT 16" O.C..EXTEND ASSEMBLY TO MIN. 6" ABOVE FINISHED CEILING.	-
M3.2	(2) HOUR FIRE RATED PARTITION PER U.L. #U905: 8" CMU WALL WITH HORIZONTAL REINFORCING AT 16" O.C. VERTICALLY.	2



KEY PLAN

MAGNETIC PLAN

1 SECOND FLOOR - SOUTH

A102A SCALE: 1/8" = 1'-0"

EMBOSS
EmbossDesign.com (859)431-8612
906 Monmouth Street, Newport, KY 41071

NOT FOR CONSTRUCTION

KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

PARTIAL SECOND FLOOR PLAN - SOUTH

22-106

A102A

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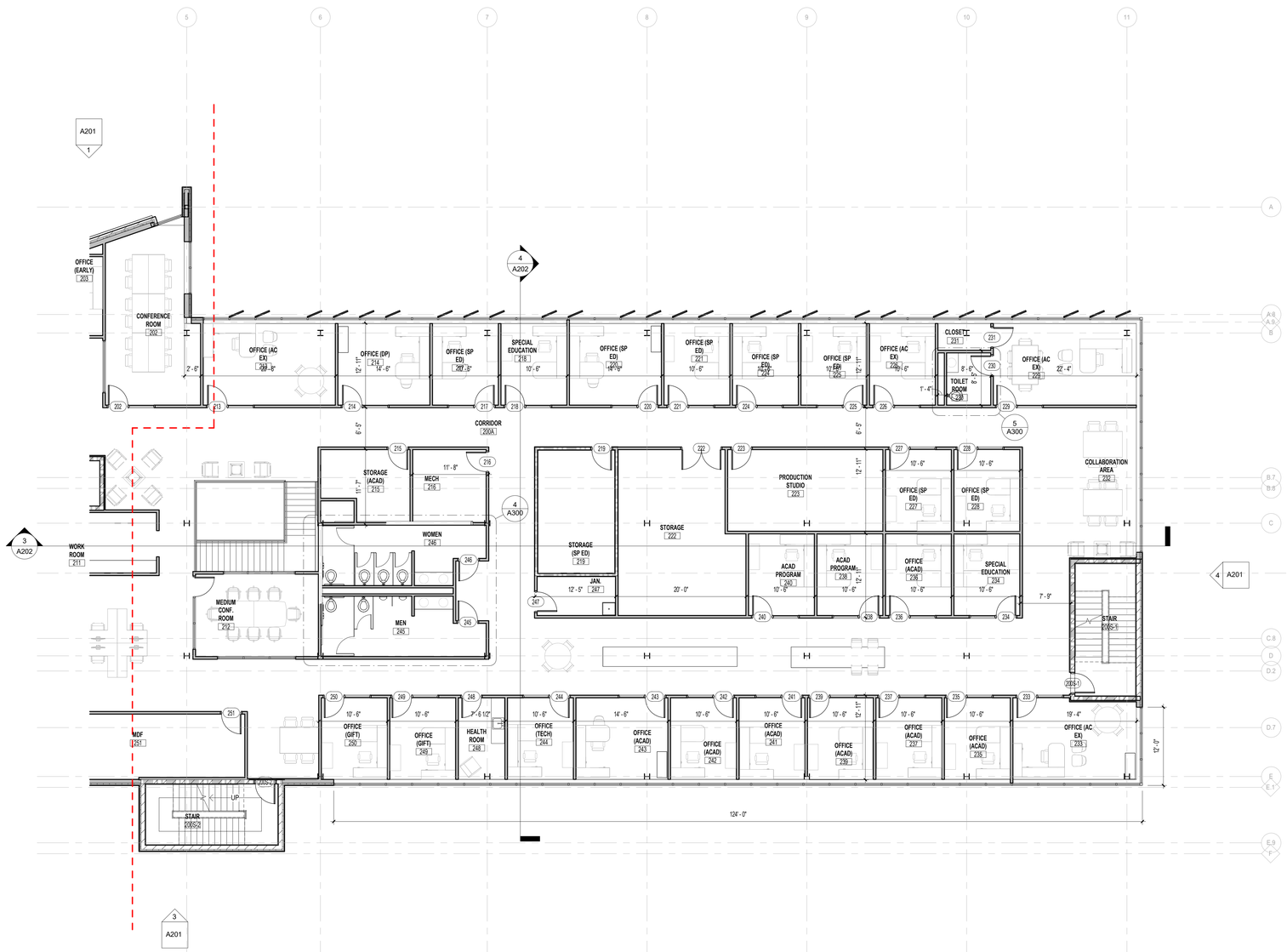
SHEET KEYNOTES

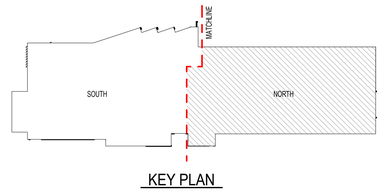


WALL TYPES		
Type Mark	Description	Fire Rating
A3.2	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
A3.4	5/8" GYPSUM BOARD (ONE SIDE) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. EXTEND ASSEMBLY TO MIN. 6" ABOVE FINISHED CEILING.	-
A3.6	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
A3.6D	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE	-
A6.6	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 6" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
B3.2	(2) HOUR FIRE RATED PARTITION PER U.L. #U419: (2) LAYERS 5/8" TYPE 'X' GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE.	2
C2.2	5/8" GYPSUM BOARD (ONE SIDE) OVER 1-5/8" METAL STUDS AT 16" O.C. EXTEND ASSEMBLY TO MIN. 6" ABOVE FINISHED CEILING.	-
M3.2	(2) HOUR FIRE RATED PARTITION PER U.L. #U905: 8" CMU WALL WITH HORIZONTAL REINFORCING AT 16" O.C. VERTICALLY.	2

MAGNETIC PLAN

1 SECOND FLOOR - NORTH

A102B SCALE: 1/8" = 1'-0"



KEY PLAN

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KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

PARTIAL SECOND FLOOR PLAN - NORTH

22-106

A102B

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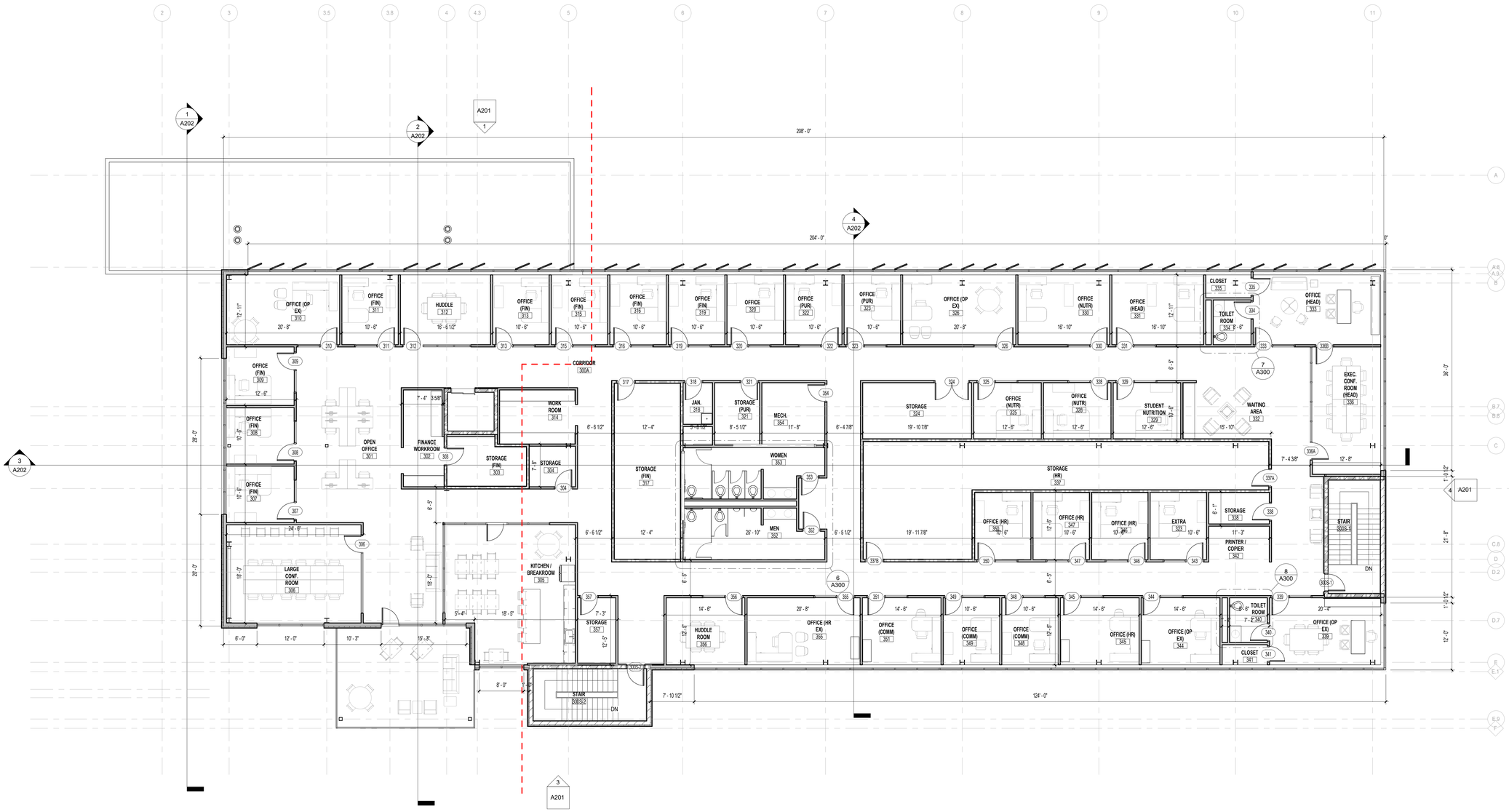
GENERAL NOTES - FLOOR PLANS

A. ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF MASONRY UNLESS NOTED OTHERWISE.

WALL TYPES

Type Mark	Description	Fire Rating
A3.2	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
A3.4	5/8" GYPSUM BOARD (ONE SIDE) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. EXTEND ASSEMBLY TO MIN. 6" ABOVE FINISHED CEILING.	-
A3.6	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
A3.6D	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE	-
A6.6	NEW PARTITION: 5/8" GYPSUM BOARD (BOTH SIDES) OVER 6" x 20 GA. METAL STUDS AT 16" O.C. FILL STUD CAVITIES WITH SOUND ATTENUATION BATT. PARTITION SHALL EXTEND 6" ABOVE FINISH CEILING. BRACE TO STRUCTURE ABOVE AT 48" O.C. (ALTERNATING DIRECTION)	-
B3.2	(2) HOUR FIRE RATED PARTITION PER U.L. #U419: (2) LAYERS 5/8" TYPE 'X' GYPSUM BOARD (BOTH SIDES) OVER 3-5/8" x 20 GA. METAL STUDS AT 16" O.C. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE.	2
C2.2	5/8" GYPSUM BOARD (ONE SIDE) OVER 1-5/8" METAL STUDS AT 16" O.C. EXTEND ASSEMBLY TO MIN. 6" ABOVE FINISHED CEILING.	-
M3.2	(2) HOUR FIRE RATED PARTITION PER U.L. #U905: 8" CMU WALL WITH HORIZONTAL REINFORCING AT 16" O.C. VERTICALLY.	2

SHEET KEYNOTES



MAGNETIC PLAN

1 THIRD FLOOR
A103 SCALE: 1/8" = 1'-0"

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THIRD FLOOR PLAN

22-106

A103

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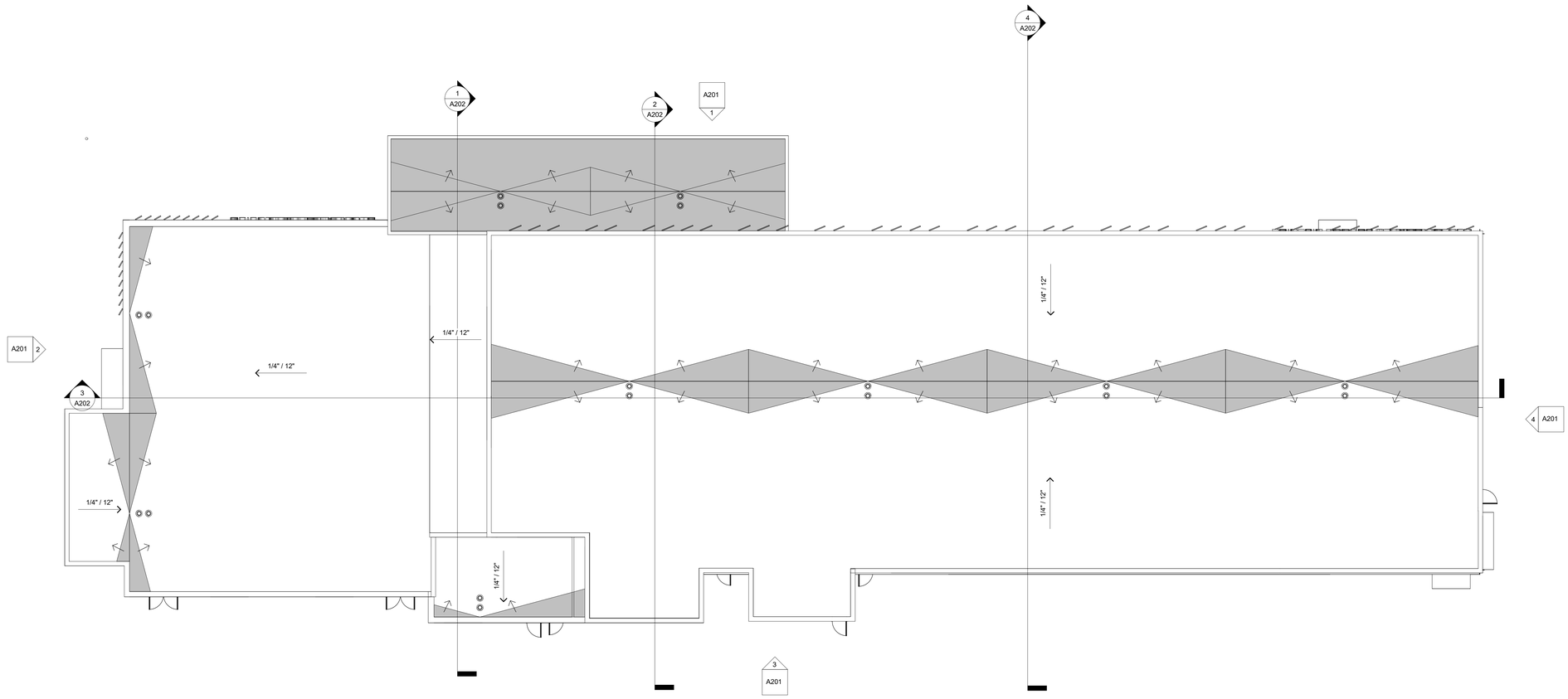
GENERAL NOTES - ROOF PLAN

A. ROOF PLAN DOES NOT SHOW ALL MECHANICAL / ELECTRICAL ROOFTOP EQUIPMENT AND PENETRATIONS, SUCH AS PLUMBING VENT. SEE RESPECTIVE DRAWINGS FOR SUCH EQUIPMENT AND PENETRATIONS.

ROOF PLAN LEGEND

ROOF SLOPE DOWN (PITCH)

TAPERED ROOF INSULATION ON ROOF INSULATION



MAGNETIC PLAN

1 A104 — ROOF PLAN

SCALE: 3/32" = 1'-0"

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ROOF PLAN

22-106

A104

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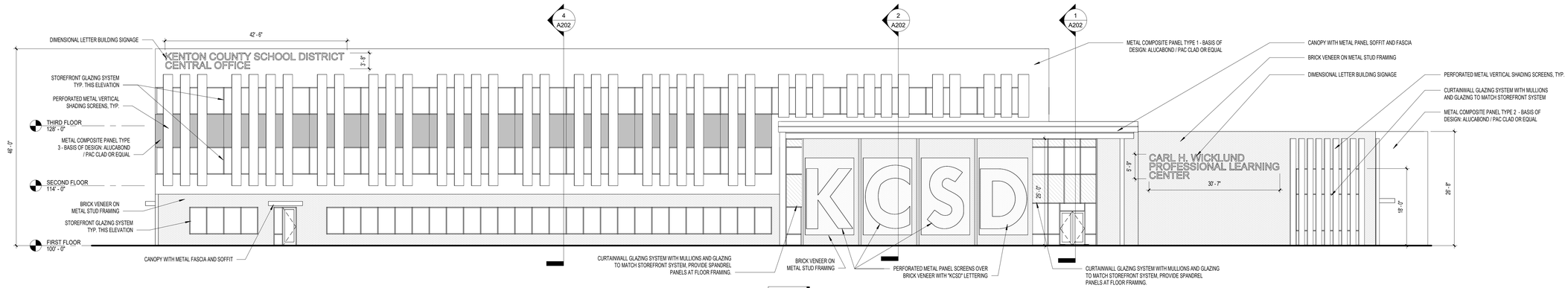
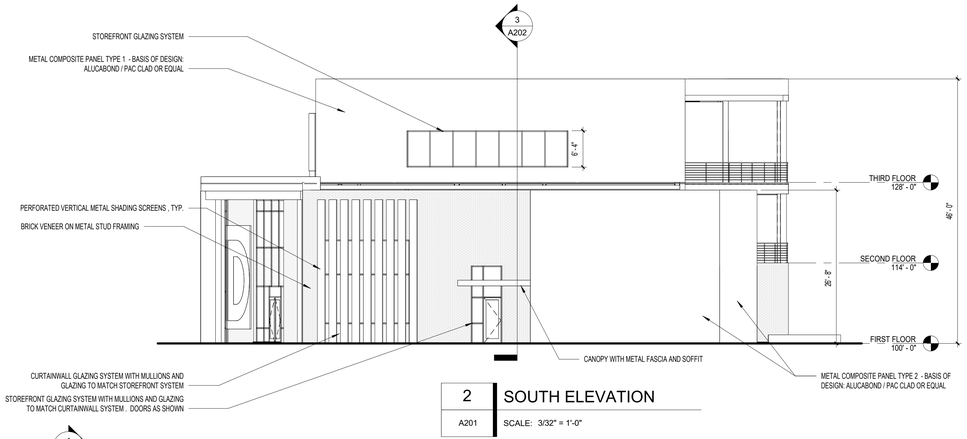
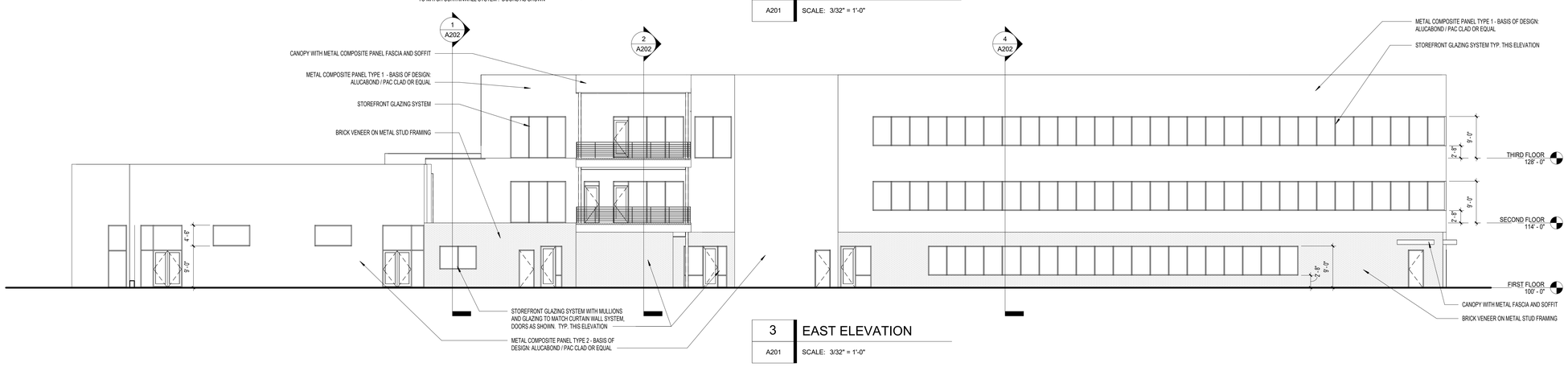


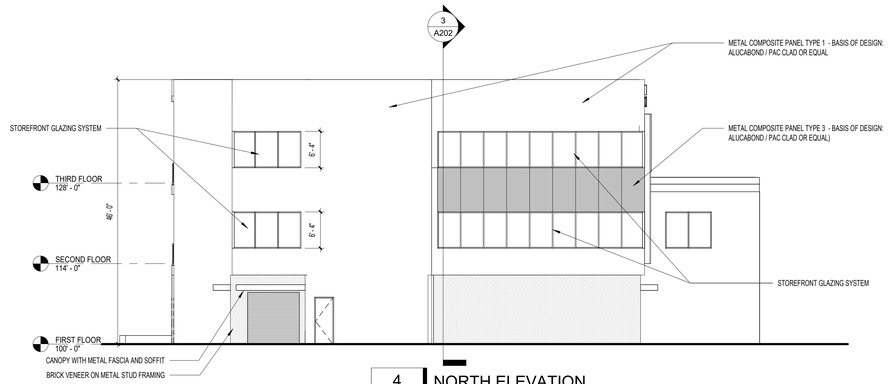
1 WEST ELEVATION
A201 SCALE: 3/32" = 1'-0"



2 SOUTH ELEVATION
A201 SCALE: 3/32" = 1'-0"



3 EAST ELEVATION
A201 SCALE: 3/32" = 1'-0"



4 NORTH ELEVATION
A201 SCALE: 3/32" = 1'-0"

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EXTERIOR ELEVATIONS

22-106

A201

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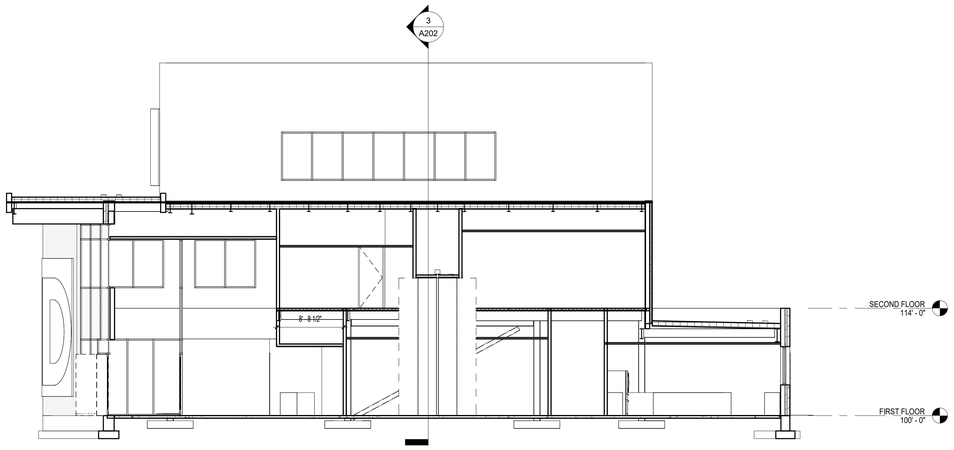
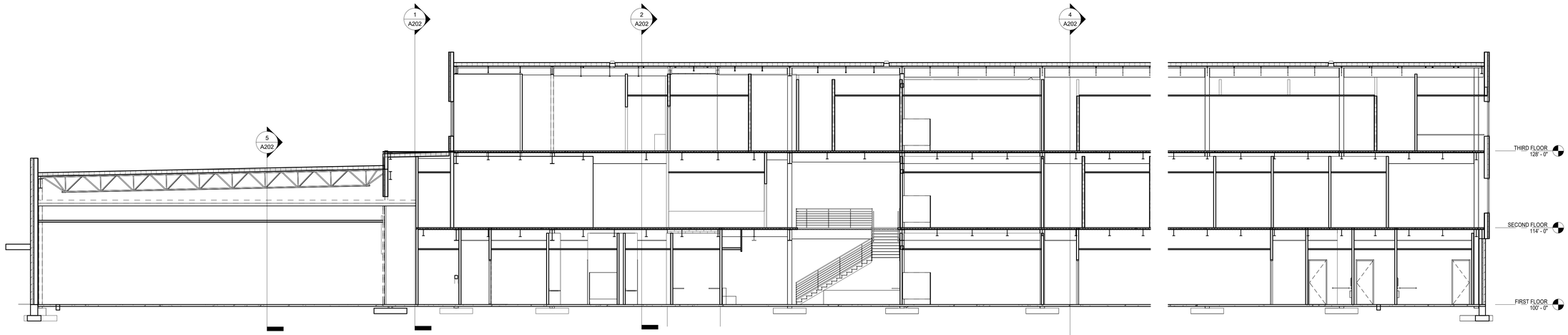


1 BUILDING SECTION
A202 SCALE: 1/8" = 1'-0"

2 BUILDING SECTION
A202 SCALE: 1/8" = 1'-0"



3 BUILDING SECTION
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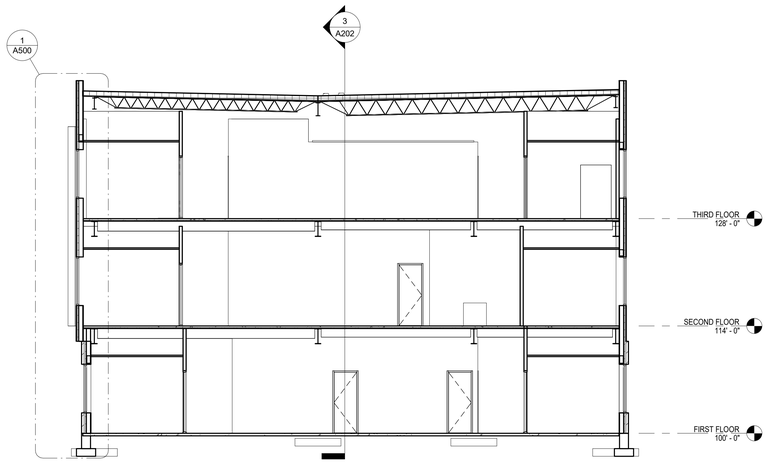

4 BUILDING SECTION
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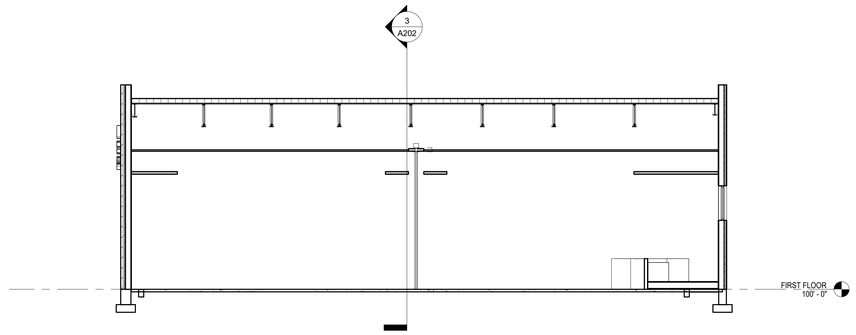

5 BUILDING SECTION
A202 SCALE: 1/8" = 1'-0"

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BUILDING SECTIONS

22-106

A202

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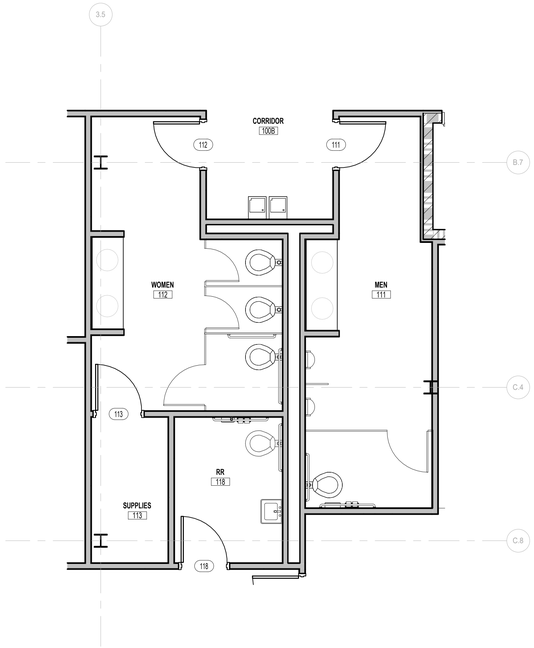
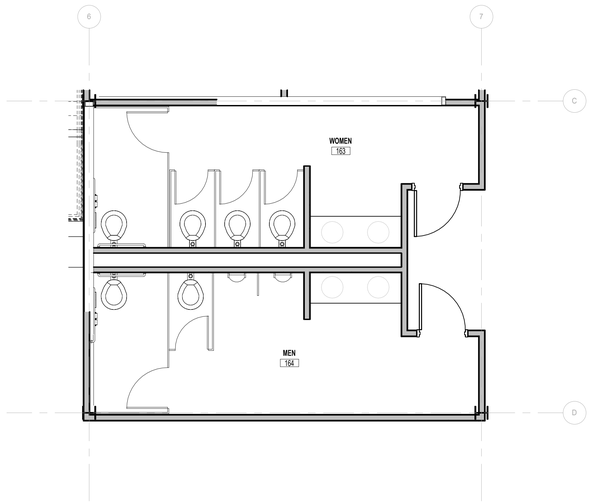
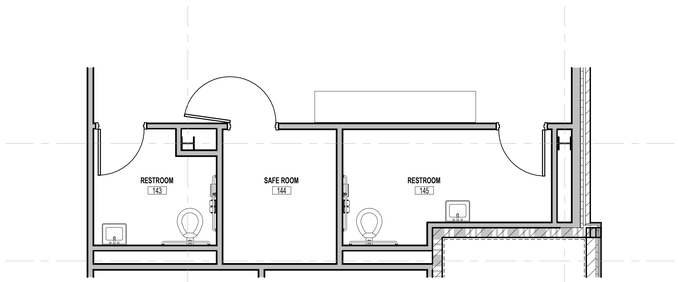


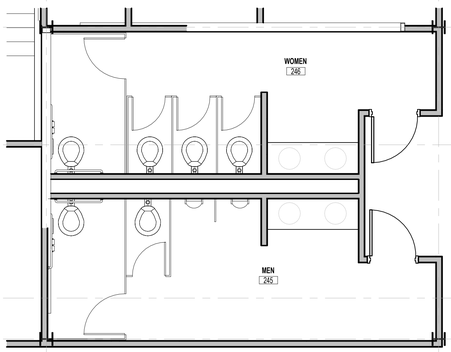
1 ENLARGED RESTROOM PLAN
A300 SCALE: 1/4" = 1'-0"



2 ENLARGED RESTROOM PLAN
A300 SCALE: 1/4" = 1'-0"

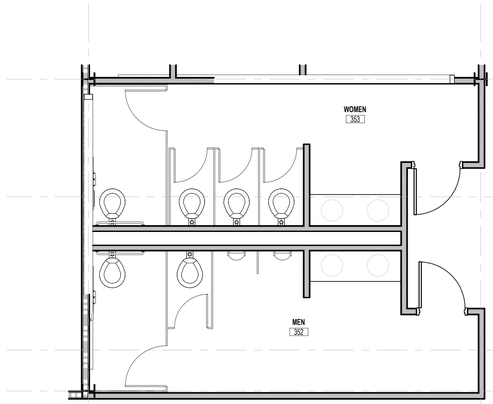


3 ENLARGED RESTROOM PLAN
A300 SCALE: 1/4" = 1'-0"



4 ENLARGED RESTROOM PLAN
A300 SCALE: 1/4" = 1'-0"

5 ENLARGED RESTROOM PLAN
A300 SCALE: 1/4" = 1'-0"



6 ENLARGED RESTROOM PLAN
A300 SCALE: 1/4" = 1'-0"

7 ENLARGED RESTROOM PLAN
A300 SCALE: 1/4" = 1'-0"

8 ENLARGED RESTROOM PLAN
A300 SCALE: 1/4" = 1'-0"

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ENLARGED PLANS

22-106

A300

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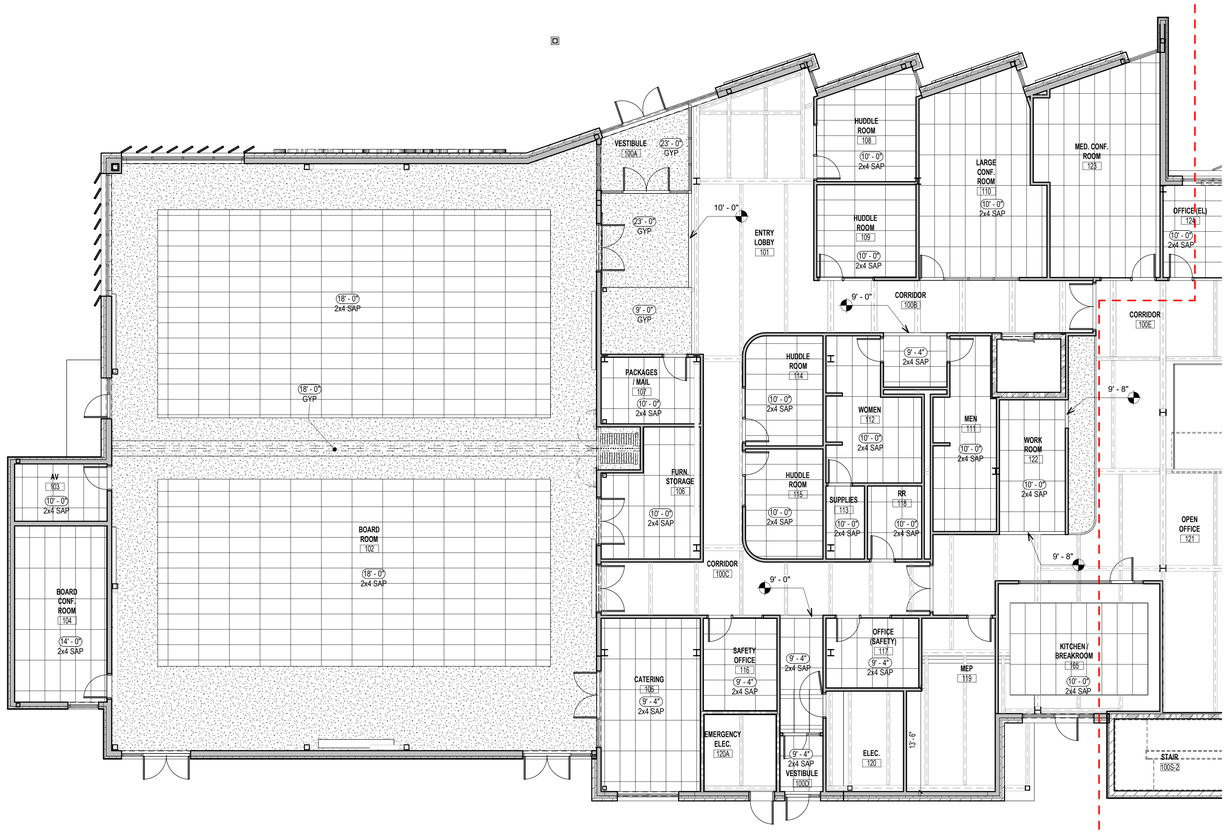
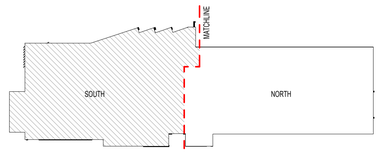
CEILING PLAN - ABBREVIATIONS	
Note Number	Note Text
GYP	GYPSUM BOARD
SAP	SUSPENDED ACOUSTICAL PANEL



MAGNETIC PLAN

4 / A401A — REFLECTED CEILING PLAN - FIRST FLOOR - SOUTH

SCALE: 1/8" = 1'-0"



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NO.	DESCRIPTION	DATE
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PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - SOUTH

22-106

A401A

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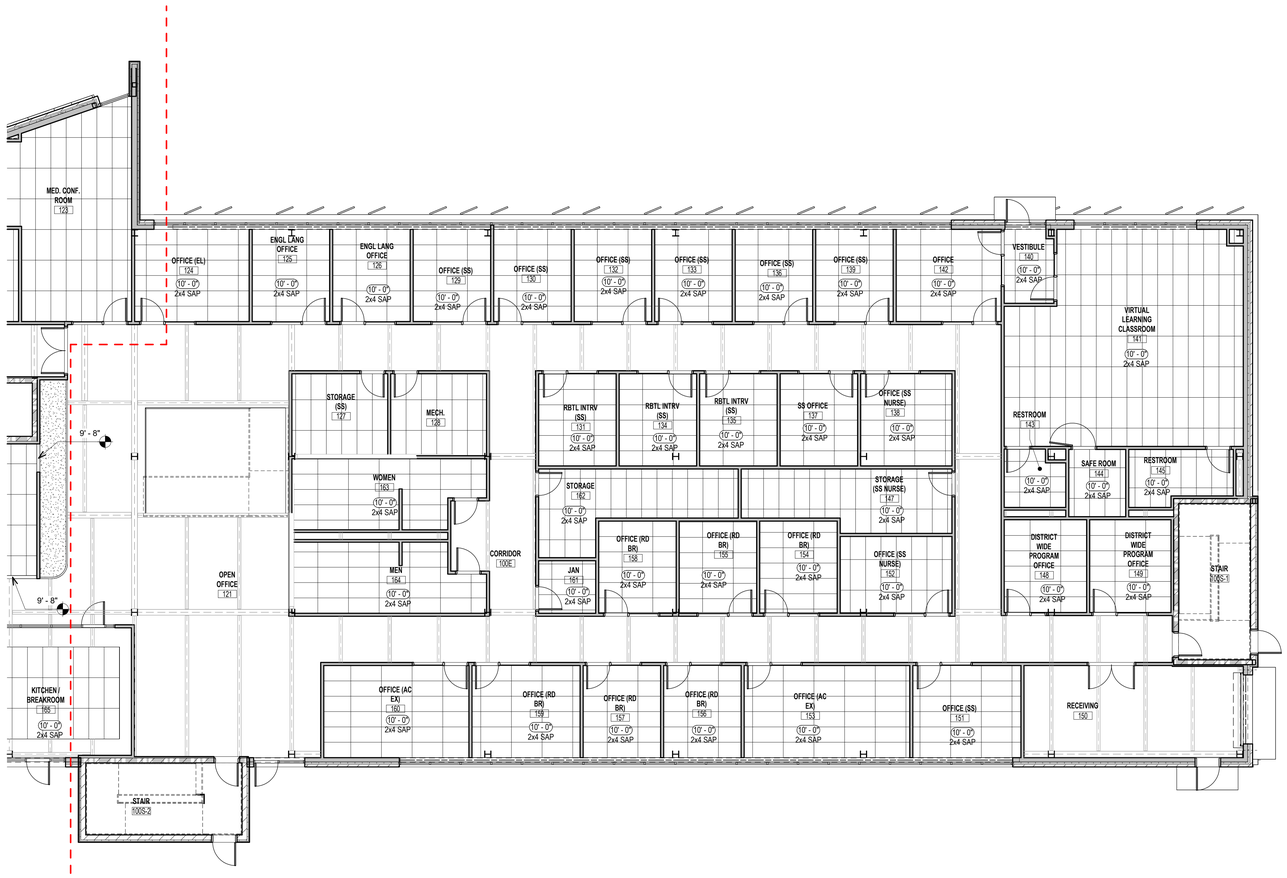
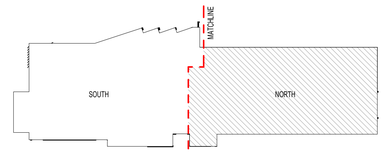
CEILING PLAN - ABBREVIATIONS	
Note Number	Note Text
GYP	GYPSUM BOARD
SAP	SUSPENDED ACOUSTICAL PANEL



1 REFLECTED CEILING PLAN - FIRST FLOOR - NORTH

A401B SCALE: 1/8" = 1'-0"



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PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - NORTH

22-106

A401B

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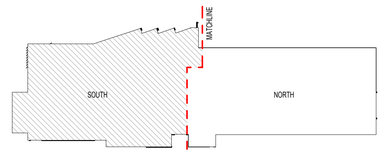
CEILING PLAN - ABBREVIATIONS	
Note Number	Note Text
GYP	GYPSUM BOARD
SAP	SUSPENDED ACOUSTICAL PANEL



KEY PLAN

MAGNETIC PLAN

2 / A402A — REFLECTED CEILING PLAN - SECOND FLOOR - SOUTH

SCALE: 1/8" = 1'-0"

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PARTIAL SECOND FLOOR REFLECTED CEILING PLAN - SOUTH

22-106

A402A

PRINT DATE: 12/14/2023 2:34:13 PM

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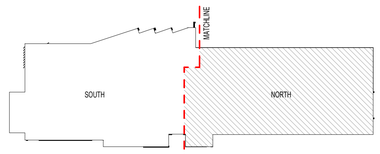
CEILING PLAN - ABBREVIATIONS	
Note Number	Note Text
GYP	GYPSUM BOARD
SAP	SUSPENDED ACOUSTICAL PANEL

1 A402B — REFLECTED CEILING PLAN - SECOND FLOOR - NORTH

SCALE: 1/8" = 1'-0"



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PARTIAL SECOND FLOOR REFLECTED CEILING PLAN - NORTH

22-106

A402B

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CEILING PLAN - ABBREVIATIONS	
Note Number	Note Text
GYP	GYPSUM BOARD
SAP	SUSPENDED ACOUSTICAL PANEL

1 REFLECTED CEILING PLAN - THIRD FLOOR

A403 SCALE: 1/8" = 1'-0"

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MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

THIRD FLOOR REFLECTED CEILING PLAN

22-106

A403

PRINT DATE: 12/14/2023 2:34:19 PM

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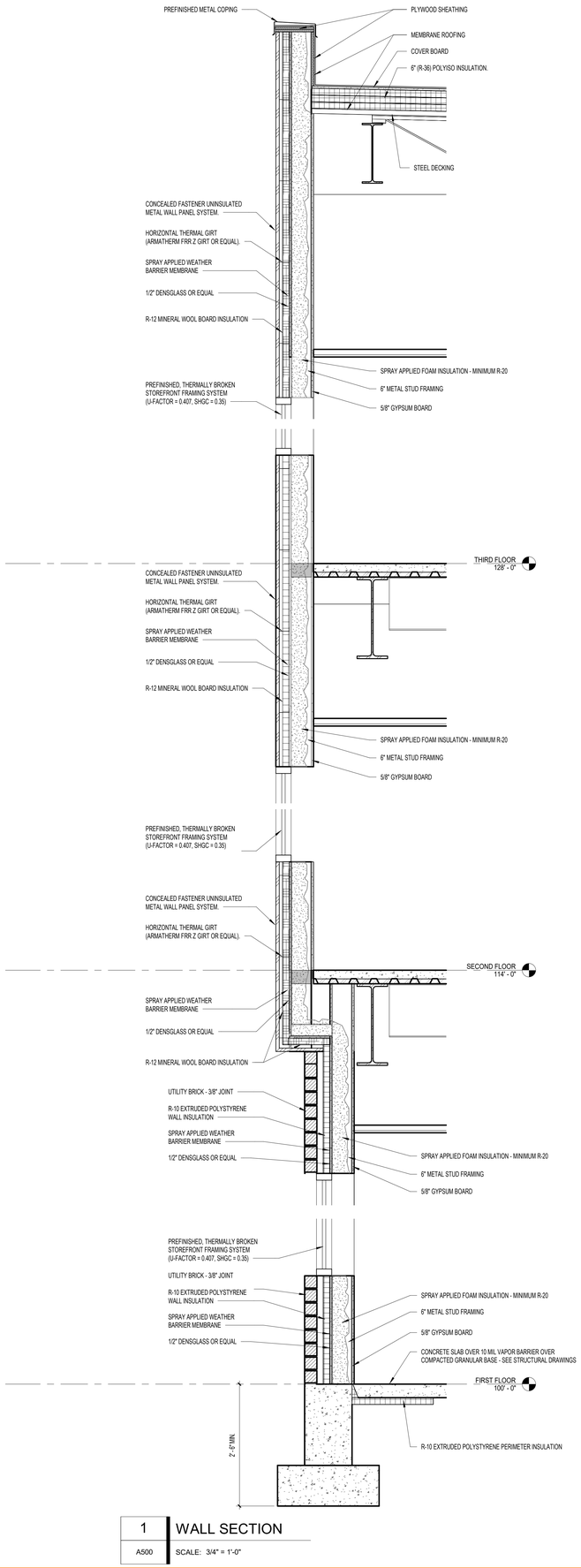

1 WALL SECTION
A500 SCALE: 3/4" = 1'-0"

EMBOSS

EmbossDesign.com (859)431-8612
906 Monmouth Street, Newport, KY 41071

NOT FOR CONSTRUCTION

KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

WALL SECTIONS

22-106

A500

PRINT DATE: 12/14/2023 2:34:20 PM

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GENERAL NOTES - DOOR & FRAME SCHEDULE

A. ALL DOORS SHALL BE MADE READILY OPERABLE FROM SIDE WHICH EGRESS IS TO BE MADE WITHOUT A KEY OR SPECIAL KNOWLEDGE

DOOR & FRAME ABBREVIATIONS

ALUM	ALUMINUM
HM	HOLLOW METAL
PREF	PREFINISHED
PT	PAINT
SCW	SOLID CORE WOOD
SF	STOREFRONT
ST	STEEL
STAIN	STAIN

DOOR AND FRAME SCHEDULE

	DOOR						FRAME								
#	# OF LEAFS	WIDTH	HEIGHT	TYPE	MATL	FINISH	TYPE	MATL	FINISH	HEAD	JAMB	SILL	RATING (MINUTES)	HDWR SET	NOTES
	1	3' - 0"	8' - 0"		ALUM	PREF		ALUM	PREF						
	1	3' - 0"	7' - 0"		ALUM	PREF		ALUM	PREF						
100A	2	3' - 0"	8' - 0"	D3	ALUM	PREF		ALUM	PREF						
100B.1	2	3' - 0"	8' - 0"	D4	SCW	STAIN		HM	PAINT						
100C.1	2	3' - 0"	8' - 0"	D4	SCW	STAIN		HM	PAINT						
100D.2	2	3' - 0"	8' - 10"	D3	ALUM	PREF		ALUM	PREF						
100D.1	1	3' - 0"	8' - 10"	D3	ALUM	PREF		ALUM	PREF						
100S-1A	1	3' - 0"	8' - 0"		HM	PAINT		HM	PAINT				90		
100S-1B	1	3' - 0"	8' - 0"		HM	PAINT		HM	PAINT						
100S-2A	1	3' - 0"	8' - 0"		HM	PAINT		HM	PAINT				90		
100S-2B	1	3' - 0"	8' - 0"		HM	PAINT		HM	PAINT						
101	2	3' - 0"	8' - 0"		ALUM	PREF		AL	PREF						
102A	2	3' - 0"	8' - 0"	D4	SCW	PAINT		HM	PAINT						
102B	2	3' - 0"	8' - 0"	D4	SCW	STAIN		HM	PAINT						
102C	1	3' - 0"	8' - 0"		ALUM	PREF		ALUM	PREF						
102D	2	3' - 0"	8' - 0"		ALUM	PREF		ALUM	PREF						
102E	2	3' - 0"	8' - 0"		ALUM	PREF		ALUM	PREF						
103	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
104	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
105	2	3' - 0"	8' - 0"		ALUM	PREF		AL	PREF						
106	2	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
107	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
108	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
109	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
110	1	3' - 0"	8' - 0"		ALUM	PREF		ALUM	PREF						
111	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
112	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
113	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
114	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
115	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
116	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
117	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
118	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
119	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
120	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
120A.1	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
121	1	3' - 0"	8' - 10"		ALUM	PREF		ALUM	PREF						
123	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
124	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
125	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
126	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
127	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
128	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
129	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
130	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
131	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
132	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
133	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
134	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
135	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
136	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
137	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
138	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
139	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
140	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
141B	1	3' - 0"	8' - 10"		ALUM	PREF		ALUM	PREF						
142	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
143	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
144	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
145	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
147	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
148	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
149	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
150A	2	3' - 0"	8' - 0"		HM	PAINT		HM	PAINT						
150B	1	3' - 0"	8' - 0"		HM	PAINT		HM	PAINT						
150C	1	9' - 0"	9' - 0"												
151	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
152	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
153	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
154	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
155	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
156	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
157	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
158	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
159	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
160	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
161	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
162	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
163	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
164	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
165	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
165A	1	3' - 0"	8' - 0"		ALUM	PREF		ALUM	PREF						
165B	1	3' - 0"	8' - 10"		ALUM	PREF		ALUM	PREF						
200S-1	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT				90		
200S-2	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT				90		
201	1	3' - 0"	8' - 0"		ALUM	PREF		ALUM	PREF						
202	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
203	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
204	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
205	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
206	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
207	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
208	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
209	1	3' - 0"	7' - 0"		ALUM	PREF		ALUM	PREF						
210A	1	3' - 0"	7' - 0"		ALUM	PREF		ALUM	PREF						

DOOR AND FRAME SCHEDULE

	DOOR						FRAME								
#	# OF LEAFS	WIDTH	HEIGHT	TYPE	MATL	FINISH	TYPE	MATL	FINISH	HEAD	JAMB	SILL	RATING (MINUTES)	HDWR SET	NOTES
210B	1	3' - 0"	8' - 0"		ALUM	PREF		ALUM	PREF						
212	1	3' - 0"	7' - 10"		ALUM	PREF		ALUM	PREF						
213	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
214	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
215	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
216	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
217	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
218	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
219	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT				90		
220	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
221	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
222	2	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
223	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
224	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
225	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
226	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
227	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
228	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
229	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
230	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
231	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
233	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
234	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
235	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
236	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
237	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
238	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
239	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
240	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
241	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
242	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
243	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
244	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
245	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
246	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
247	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
248	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
249	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
250	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
251	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
300S-1	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT				90		
300S-2	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT				90		
303	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT				90		
304	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
306	1	3' - 0"	8' - 0"		ALUM	PREF		ALUM	PREF						
307	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
308	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
309	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
310	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
311	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
312	1	3' - 0"	8' - 0"		ALUM	PREF		ALUM	PREF						
313	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
315	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
316	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
317	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT				90		
318	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
319	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
320	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
321	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
322	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
323	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
324	2	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
325	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
326	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
328	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
329	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
330	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
331	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
333	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
334	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
335	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
336A	1	3' - 0"	8' - 0"		ALUM	PREF		ALUM	PREF						
336B	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
337A	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT				90		
337B	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT				90		
338	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
339	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
340	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
341	1	2' - 8"	8' - 0"		SCW	STAIN		HM	PAINT						
343	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
344	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
345	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
346	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
347	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
348	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
349	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
350	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
351	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
352	1	3' - 0"	7' - 0"		SCW	STAIN		HM	PAINT						
353	1	3' - 0"	7' - 0"		SCW	STAIN		HM	PAINT						
354	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
355	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
356	1	3' - 0"	8' - 0"		SCW	STAIN		HM	PAINT						
357	1	3' - 0"	7' - 0"		SCW	STAIN		HM	PAINT						

HARDWARE SETS

SEE DOOR HARDWARE SPECS

REMARKS LEGEND

RM-1: UNDERCUT DOOR 1"
RM-2: UNDERCUT DOOR 3/4"

EMBOSS
EmbossDesign.com (859)431-8612
906 Monmouth Street, Newport, KY 41071

NOT FOR CONSTRUCTION

KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

SCHEDULES

22-106

A600

PRINT DATE: 12/14/2023 2:34:23 PM

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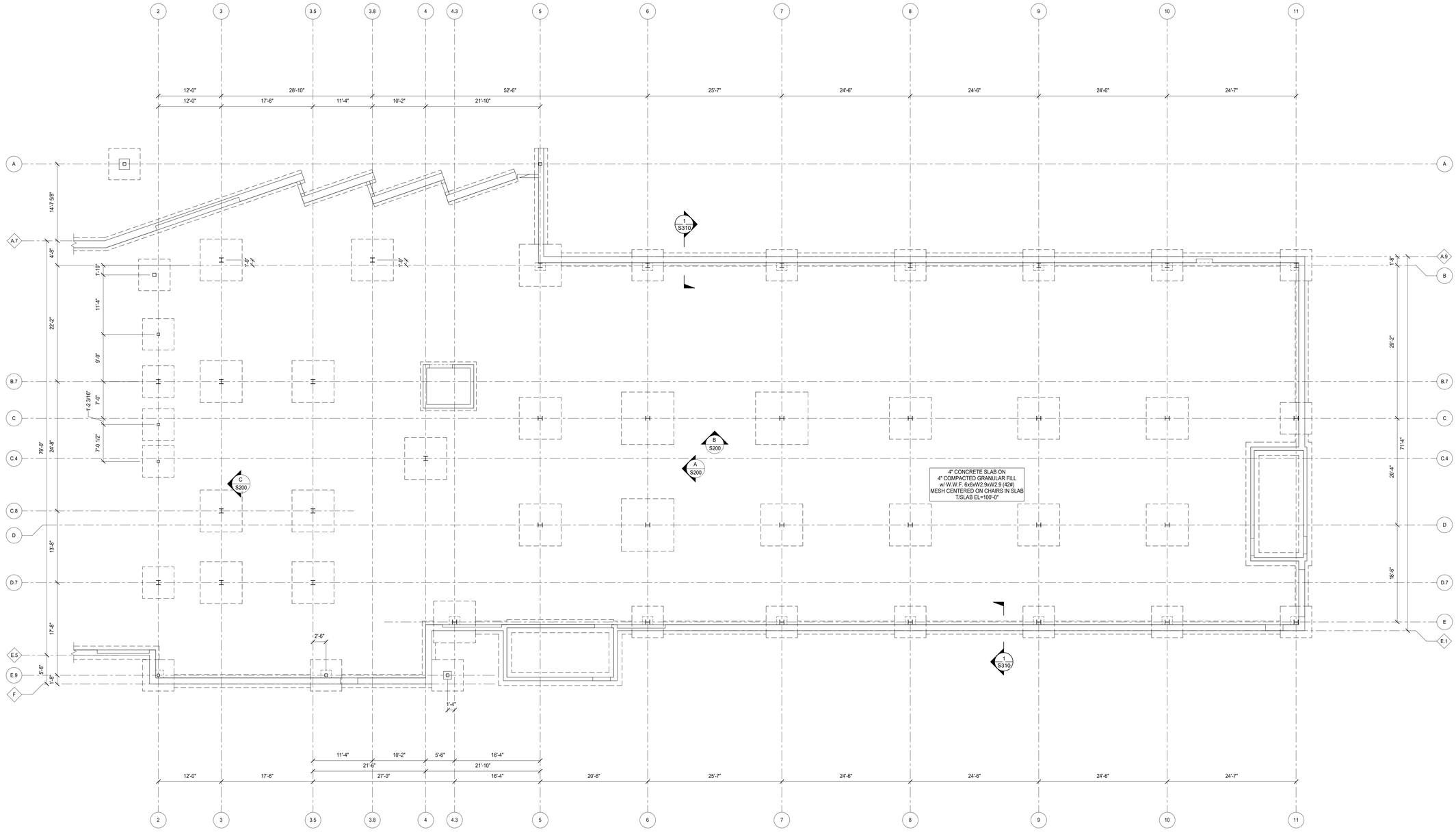

FOUNDATION PLAN - NORTH

SCALE 1/8" = 1'-0"

MAGNETIC NORTH

PLAN NORTH

FOOTING SCHEDULE		
MARK	DESCRIPTION	T/FTG
F60	6'-0"x6'-0"x1'-7" CONC FOOTING w/(8) #5's EACH WAY BOTTOM	SEE PLAN
F80	8'-0"x8'-0"x1'-10" CONC FOOTING w/(9) #6's EACH WAY BOTTOM	SEE PLAN
F100	10'-0"x10'-0"x2'-4" CONC FOOTING w/(10) #6's EACH WAY TOP AND BOTTOM	SEE PLAN

PLAN NOTES:

1. COORDINATE ALL DIMENSIONS, DOOR AND WINDOW LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. TOP OF FOOTING ELEVATION = 98'-0" TYPICAL UNLESS NOTED OTHERWISE.
3. TOP OF FOUNDATION WALL = 100'-0" TYPICAL UNLESS NOTED OTHERWISE.
4. PROVIDE CONTROL JOINTS IN CONCRETE SLAB ON GRADE AT 12'-0"o.c. MAXIMUM. COORDINATE PRIOR TO CONSTRUCTION.
5. GENERAL CONTRACTOR TO COORDINATE SIZE OF COLUMN BOX OUTS WITH STEEL FABRICATOR AND ERECTOR TO ENSURE ADEQUATE ROOM FOR INSTALLATION OF NON-SHRINK GROUT BENEATH COLUMNS.
6. FOUNDATION DESIGN BASED ON 3,500 psf ALLOWABLE BEARING PRESSURE ON STIFF NATIVE SOILS, BEDROCK, OR SOIL IMPROVED BY AGGREGATE PIERS. REFER TO THE GEOTECHNICAL REPORT BY GEOTECHNOLOGY, LLC, DATED SEPTEMBER 22, 2023 FOR ADDITIONAL INFORMATION.

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Cincinnati, OH 45206
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PREPARED FOR: EMBOSS

KENTON COUNTY SCHOOL DISTRICT NEW BOARD OFFICE

MADISON PIKE & TUSCANY-VIEW DRIVE
COVINGTON, KY
BG# 24-084

NOT FOR CONSTRUCTION

#	Revision/Submission	Date
	DD SUBMITTAL	2023-12-14

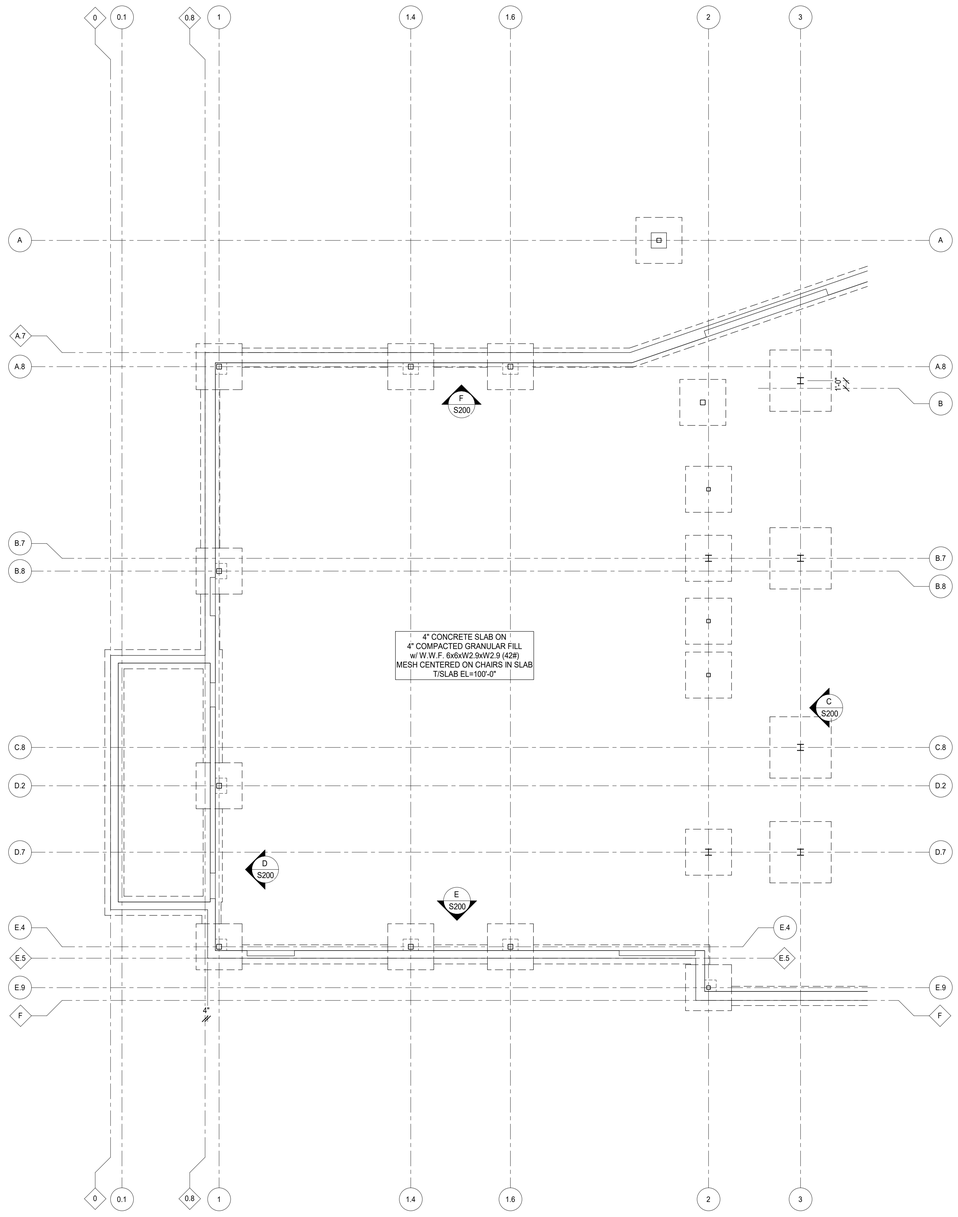
Project Number: 23101.31
Design Team: RJH

FOUNDATION PLAN - NORTH

S110

Revit 2024 12/14/2023 11:49:31 AM

FOOTING SCHEDULE		
MARK	DESCRIPTION	T/FTG
F60	6'-0"x6'-0"x1'-7" CONC FOOTING w/(8) #5's EACH WAY BOTTOM	SEE PLAN
F80	8'-0"x8'-0"x1'-10" CONC FOOTING w/(9) #6's EACH WAY BOTTOM	SEE PLAN
F100	10'-0"x10'-0"x2'-4" CONC FOOTING w/(10) #6's EACH WAY TOP AND BOTTOM	SEE PLAN

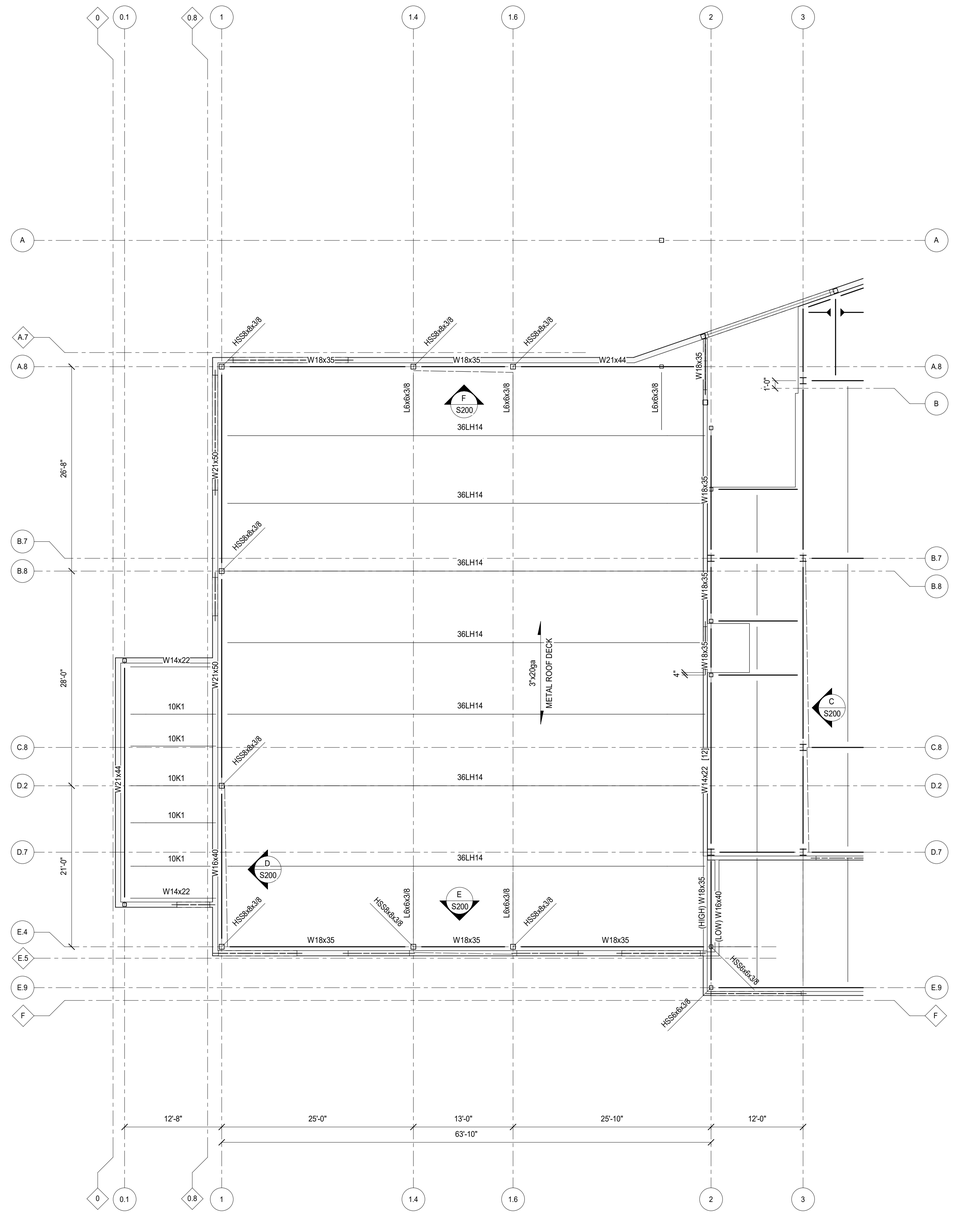


FOUNDATION PLAN - SOUTH (BOARD ROOM)

SCALE 1/8" = 1'-0"

MAGNETIC NORTH

PLAN NORTH



BOARD ROOM ROOF FRAMING PLAN

SCALE 1/8" = 1'-0"

MAGNETIC NORTH

PLAN NORTH

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COVINGTON, KY
BG# 24-084

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#	Revision/Submission	Date
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Project Number: 23101.31
Design Team: RJH

BOARD ROOM FOUNDATION AND ROOF FRAMING PLANS

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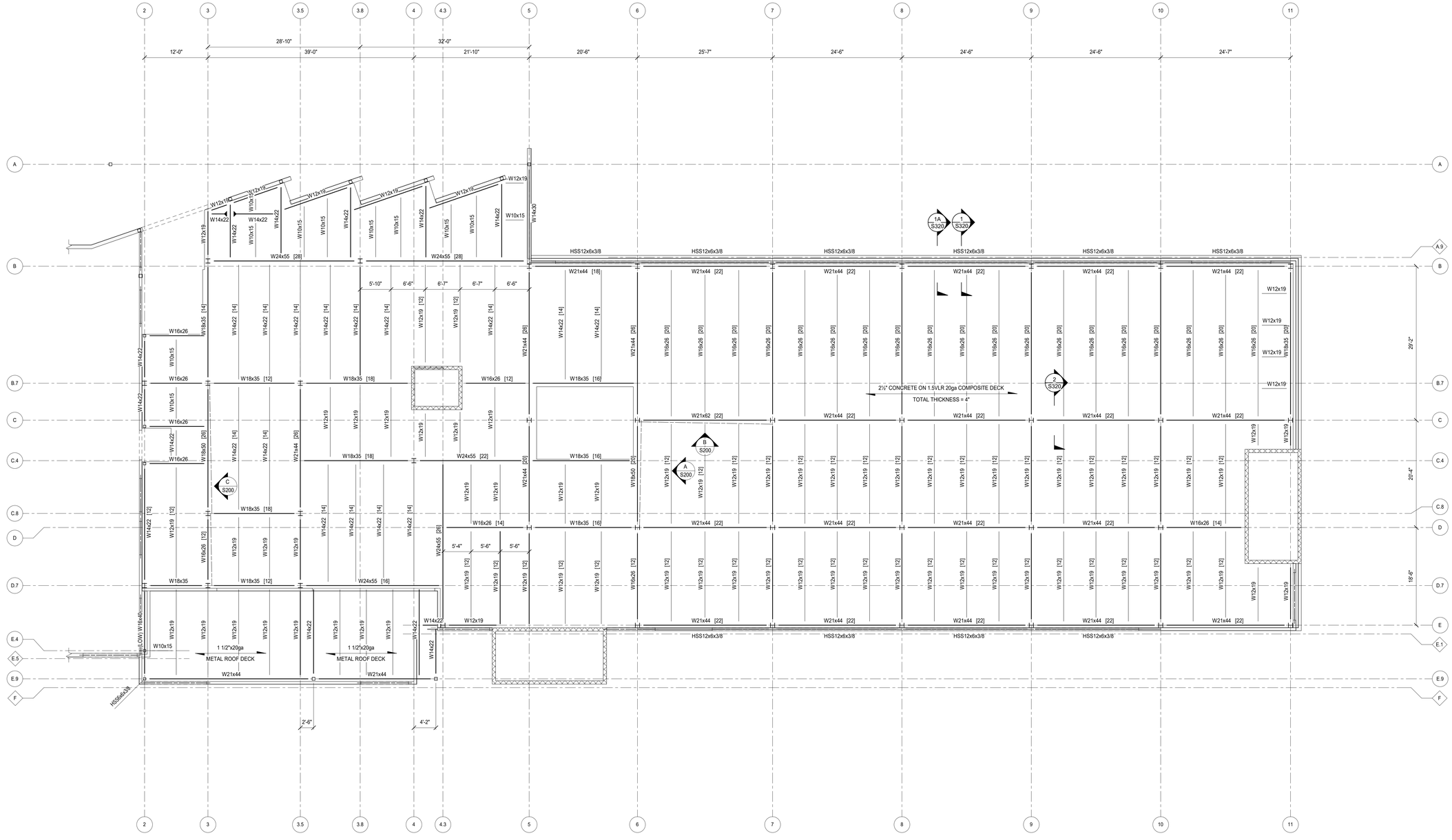

SECOND FLOOR FRAMING PLAN

SCALE 1/8" = 1'-0"

MAGNETIC NORTH

PLAN NORTH

T/2ND FLOOR = 114'-0"
T/ STEEL = 113'-8" U.N.O.

PLAN NOTES:

1. COORDINATE ALL DIMENSIONS, DOOR AND WINDOW LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. ► = MOMENT CONNECTION.
3. [#] - REPRESENTS NUMBER OF 3/4"Ø x 3" LONG HEADED STUDS. UNLESS NOTED OTHERWISE, HEADED STUDS SHALL BE CENTERED OVER THE BEAM WEB AND UNIFROMLY SPACED ALONG THE BEAM SPAN.
4. STEEL DETAILER TO DESIGN CONNECTIONS FOR SHEAR LOADS SHOWN ON PLAN UNLESS SPECIFICALLY DETAILED IN APPLICABLE DETAILS. LOADS ARE GIVEN IN ALLOWABLE STRESS DESIGN (ASD) FORMAT. (A = ##k) DENOTES AXIAL LOAD IN ASD DUE TO WIND (0.6 FACTOR ALREADY INCLUDED).
5. REINFORCE CONCRETE SLAB ON DECK WITH 6x6-W2.9xW2.9 WIRE MESH ON CHAIRS CENTERED IN THE CONCRETE THICKNESS ABOVE THE METAL DECK. PROVIDE #4x8'-0" LG BARS @ 18"o.c. IN THE TOP OF SLAB OVER GIRDER LOCATIONS. COORDINATE WITH APPLICABLE DETAILS. PROVIDE (2) #4x8'-0" LONG BARS EACH WAY AT REENTRANT CORNERS.

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SECOND FLOOR FRAMING PLAN

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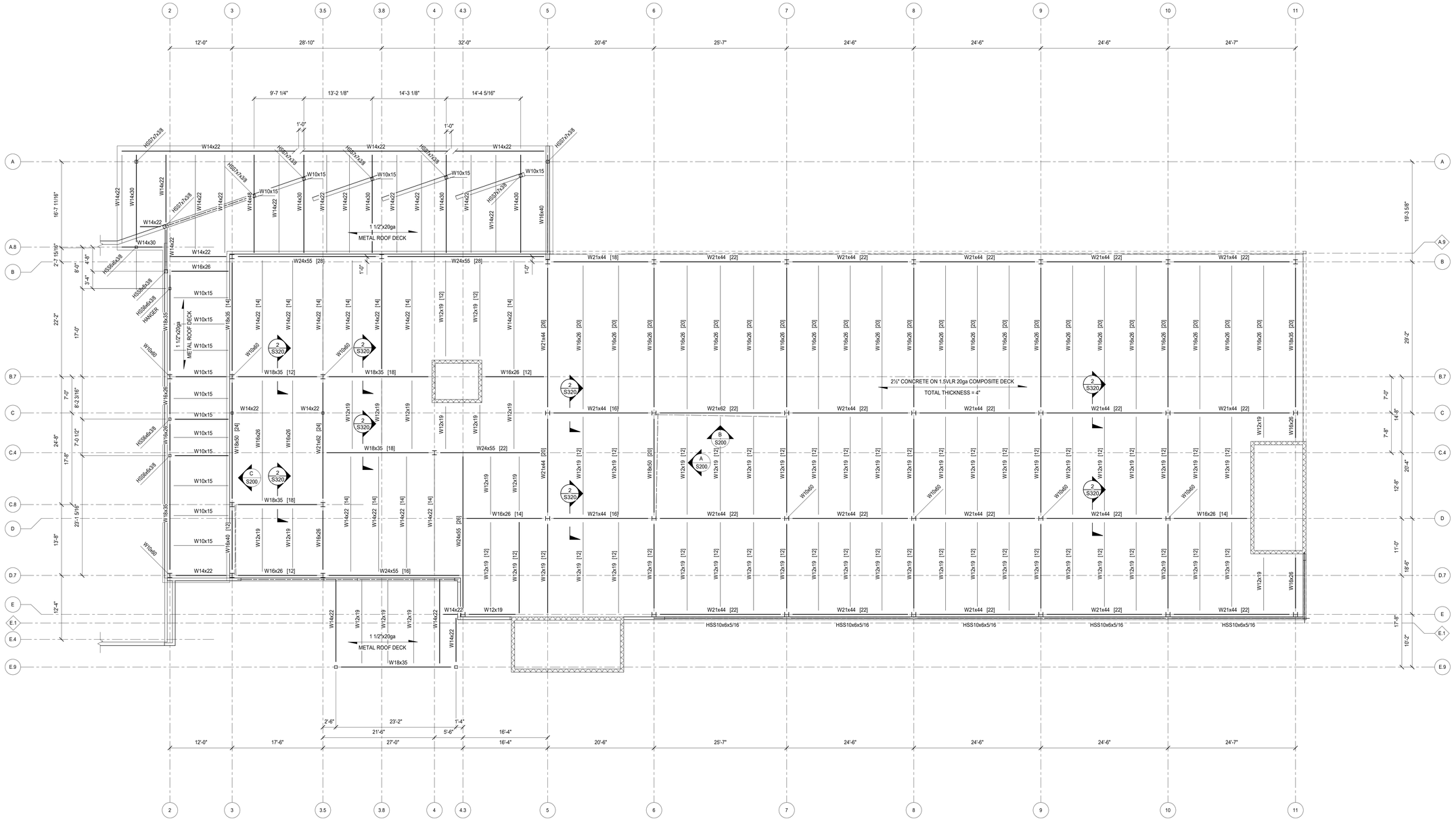

THIRD FLOOR FRAMING PLAN

SCALE 1/8" = 1'-0"

MAGNETIC NORTH

PLAN NORTH

T/3RD FLOOR = 128'-0"
T/ STEEL = 127'-8" U.N.O.

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Design Team: RJH

THIRD FLOOR FRAMING PLAN

S130

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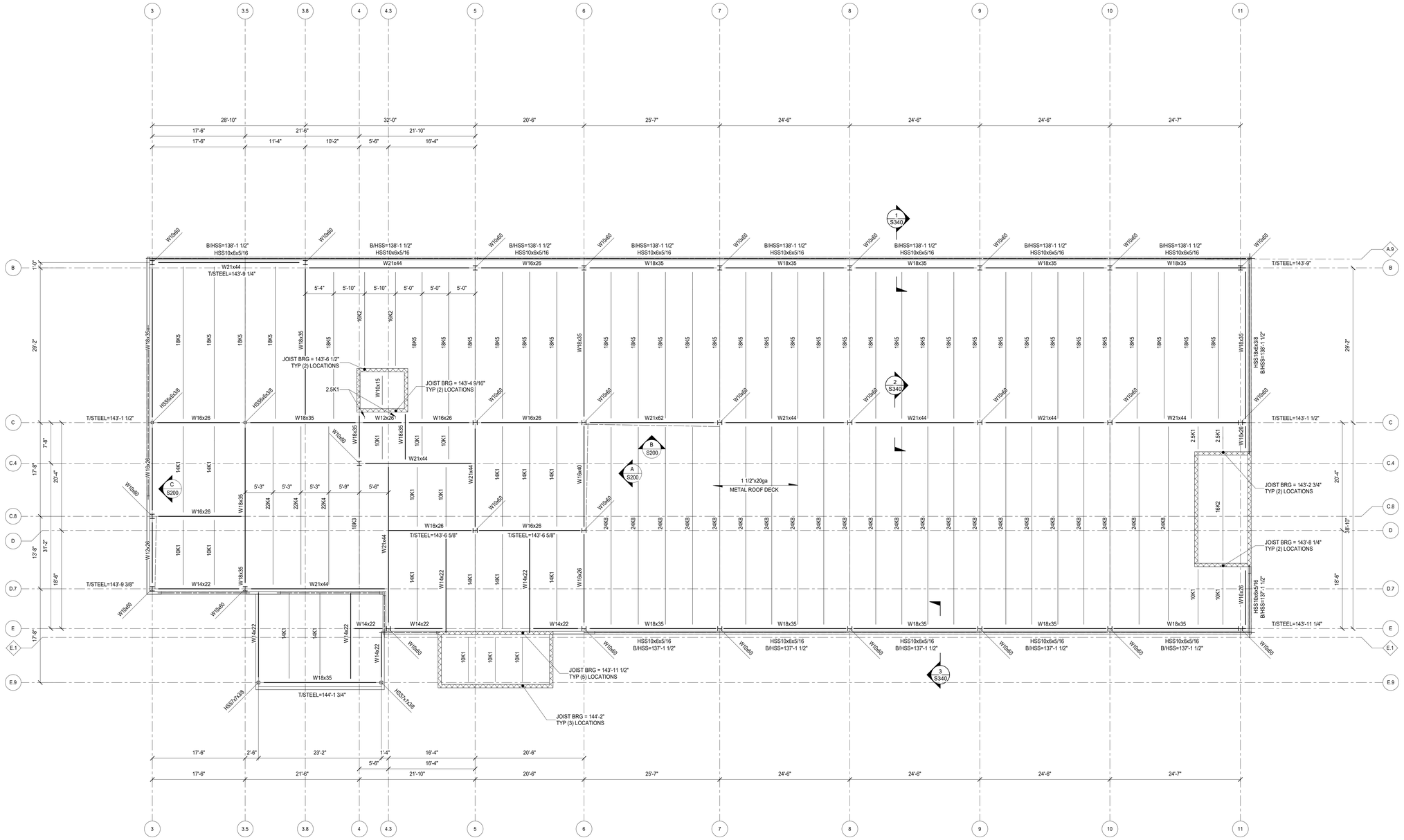

ROOF FRAMING PLAN

SCALE 1/8" = 1'-0"

PLAN NOTES:

1. COORDINATE ALL DIMENSIONS, DOOR AND WINDOW LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. ▶ = MOMENT CONNECTION.

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ROOF FRAMING PLAN

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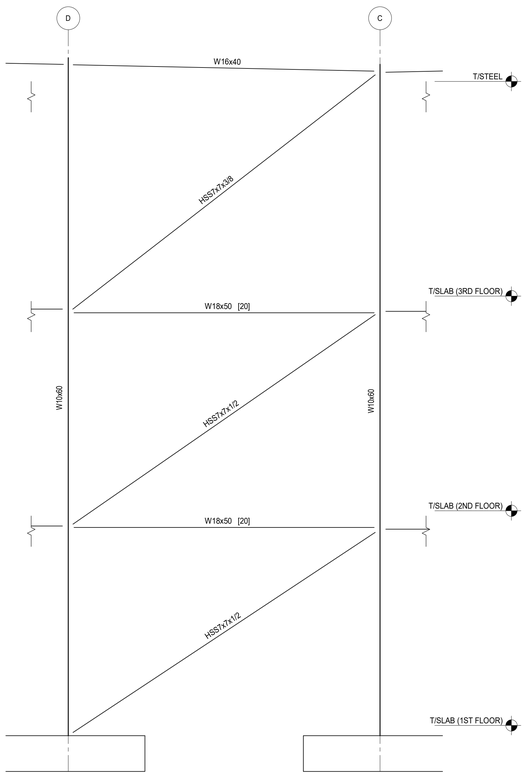
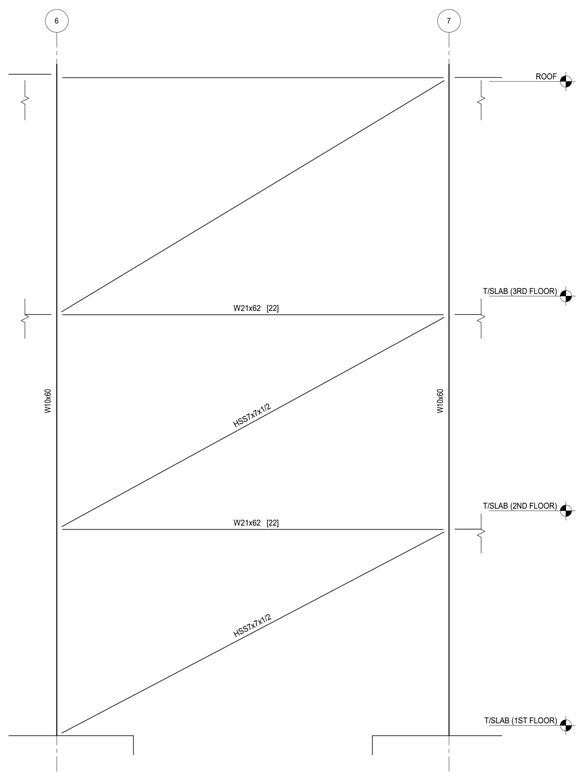
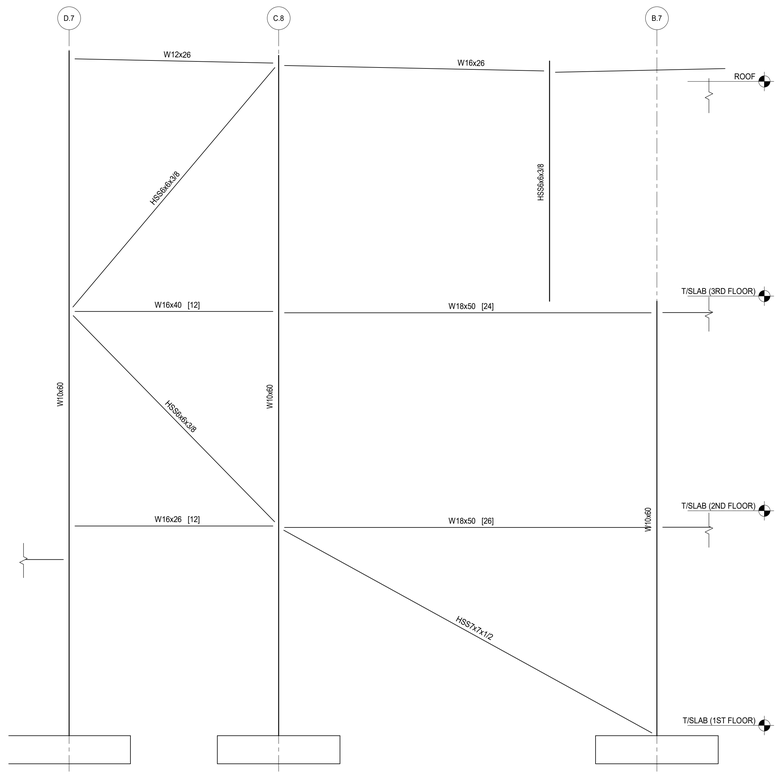


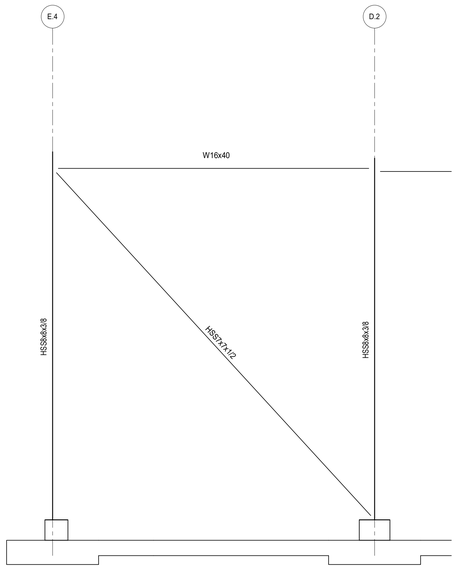
ELEVATION A
SCALE 1/4" = 1'-0" S200



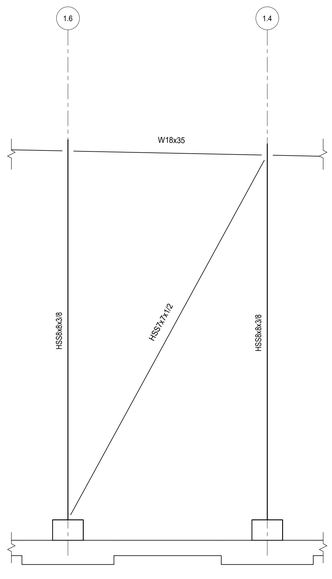
ELEVATION B
SCALE 1/4" = 1'-0" S200



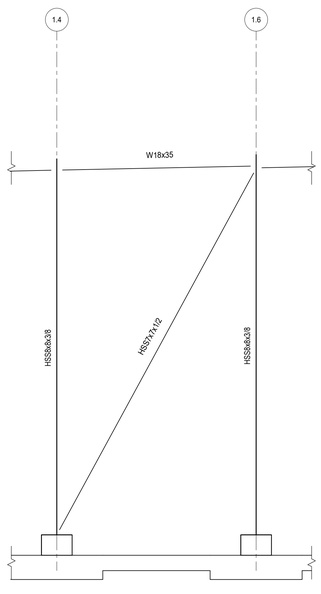
ELEVATION C
SCALE 1/4" = 1'-0" S200



ELEVATION D
SCALE 1/4" = 1'-0" S200



ELEVATION E
SCALE 1/4" = 1'-0" S200



SECTION F
SCALE 1/4" = 1'-0" S200

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FRAMING ELEVATIONS

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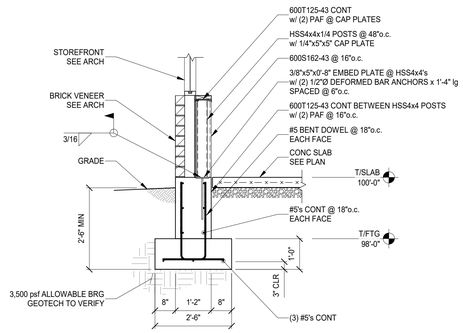

SECTION 1
SCALE 1/2" = 1'-0" S310

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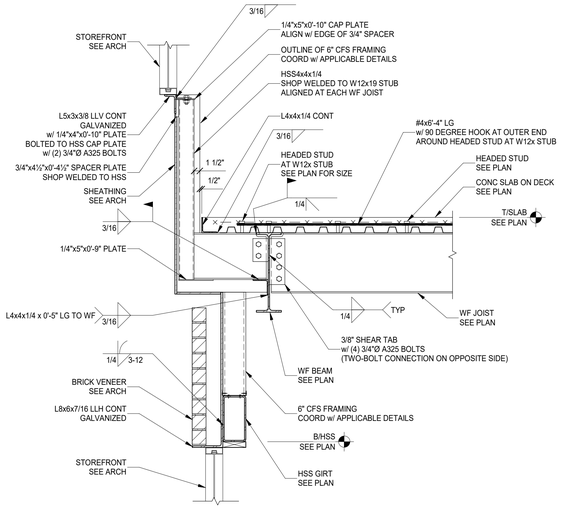
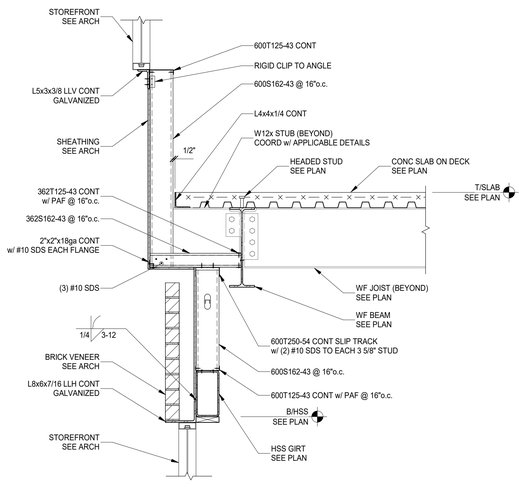
FOUNDATION SECTIONS

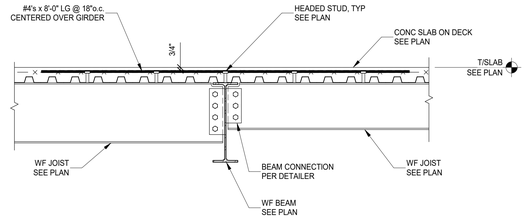
S310



SECTION 1 / S320
SCALE 3/4" = 1'-0"



SECTION 1A / S320
SCALE 3/4" = 1'-0"



SECTION 2 / S320
SCALE 3/4" = 1'-0"

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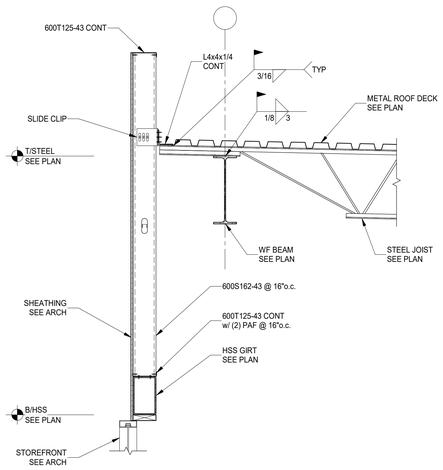
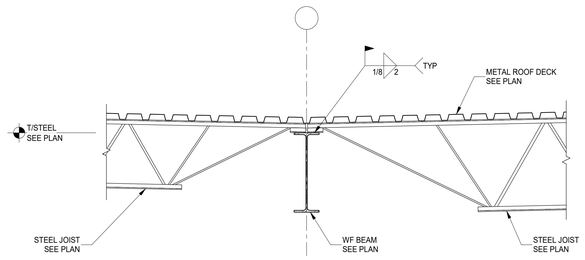
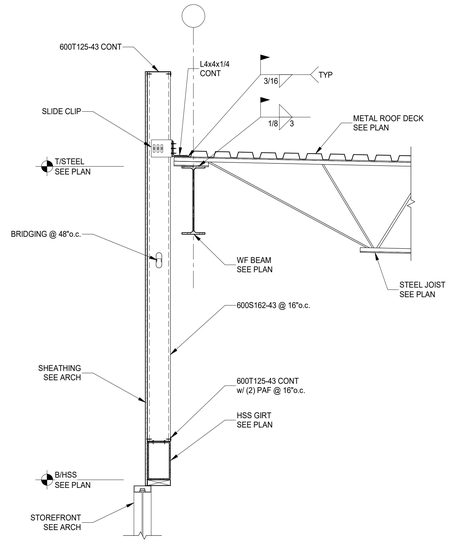


SECTION 1
SCALE 3/4" = 1'-0" S340



SECTION 2
SCALE 3/4" = 1'-0" S340



SECTION 3
SCALE 3/4" = 1'-0" S340

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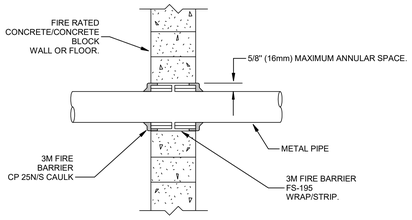


NOTES:

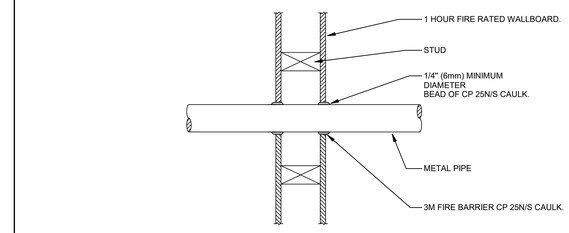
1. THE MAXIMUM ANNULAR SPACE AROUND THE METAL PIPE OR CONDUIT IS 5/8" (16mm). (IF THE ANNULAR SPACE EXCEEDS 5/8" PATCH THE WALL AND PENETRATE WALL AT ANOTHER LOCATION).
2. WRAP THE 3M MODEL# FS-195 WRAP/STRIP AROUND THE PIPE/CONDUIT, FOIL SIDE OUT, TO FILL THE SPACE BETWEEN THE PIPE/CONDUIT AND THE WALL OPENING. THE 3M MODEL# FS-195 WRAP/STRIP SHOULD BE TIGHTLY SECURED WITH ALUMINUM FOIL TAPE OR STEEL TIE WIRE AND PUSHED INTO THE OPENING UNTIL THE TOP EDGE OF THE WRAP IS FLUSH WITH THE WALL SURFACE. THE IDENTICAL INSTALLATION SHOULD BE INSTALLED ON THE OTHER SIDE OF THE WALL.
3. USE 3M MODEL# CP 25N/S(NO SAG) CAULK TO FILL THE AREA BETWEEN THE FS-195 WRAP/STRIP AND THE EDGES OF THE OPENING AND ANY VOIDS IN THE 3M MODEL# FS-195 WRAP/STRIP. A FILL OF CP 25 CAULK SHOULD COAT ALL EXPOSED EDGES OF THE FS-195 WRAP/STRIP AND COMPLETELY SEAL THE AREA BETWEEN THE FS-195 WRAP/STRIP, THE PIPE/CONDUIT AND THE WALL SURFACE.

PENETRATION FIRESTOP FOR METAL PIPE/CONDUIT THROUGH A CONCRETE WALL

NOT TO SCALE

FIRE STOPPING NOTES:

1. FIRE STOPPING IS CRITICAL AND MUST BE ACCOMPLISHED. ALL PIPES MUST BE FIRESTOPPED WHERE THEY PENETRATE FIRE RESISTIVE, FIRE RATED, AND SMOKE RESISTIVE WALLS OR FLOORS. ALL FLOORS CORRIDOR WALLS, STAIR WALLS, MECHANICAL ROOM WALLS, STORAGE ROOM WALLS AND OTHER HAZARDOUS ROOM WALLS ARE ONE HOUR RATED.
2. A FOUR-HOUR TRAINING SESSION SHALL BE CONDUCTED BY MANUFACTURER OF THE FIRESTOPPING MATERIAL. THIS SHALL BE DONE PRIOR TO THE INSTALLATION OF THE MATERIAL. CONTACT HOSPITAL ENGINEER AND CMTA TO ADVISE OF DATE AND TIME OF THIS MEETING.
3. ALL PENETRATIONS WILL BE REVIEWED BY THE HOSPITAL ENGINEER OR CMTA. PRIOR TO INSPECTION, ALL CEILING TILES BENEATH THE PENETRATIONS SHALL BE REMOVED BY THE CONTRACTOR.

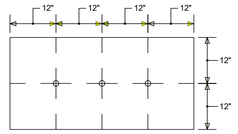


NOTES:

1. FORCE THE 3M MODEL# CP 25N/S CAULK INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE, FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE.
2. FINISH CAULKING WITH A 1/4" (6mm) MINIMUM BEAD OF CP 25N/S CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT ITS EGRESS FROM THE WALL.
3. THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (5mm). (IF IT DOES PATCH WALL AND PENETRATE WALL AT ANOTHER LOCATION).
4. INSTALL THE 3M FIRESTOP ON BOTH SIDES OF THE WALL.

PENETRATION FIRESTOP FOR METAL PIPE/CONDUIT THROUGH ONE HOUR WALL

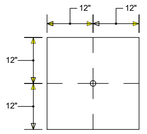
NOT TO SCALE



SPRINKLER HEADS MAY BE INSTALLED IN 2x4 CEILING TILES IN ANY OF THE THREE LOCATIONS INDICATED ABOVE. NO EXCEPTIONS!

2x4 CEILING TILE DETAIL

SCALE: NONE



SPRINKLER HEADS TO BE INSTALLED IN CENTER OF 2x2 CEILING TILES.

2x2 CEILING TILE DETAIL

SCALE: NONE

GENERAL NOTES - FIRE PROTECTION

A. ALL AREAS SHALL BE PROTECTED BY A 100% WET PIPE FIRE SUPPRESSION SYSTEM INSTALLED IN STRICT ACCORDANCE WITH NFPA-13, THE STATE BUILDING CODES AND THE PROJECT SPECIFICATIONS.
B. ALL AREAS ARE PRESENTLY PROTECTED BY A 100% WET PIPE FIRE SUPPRESSION SYSTEM. CONTRACTOR SHALL MODIFY THE SYSTEM AS REQUIRED TO MAINTAIN 100% PROTECTION, IN ACCORDANCE WITH NFPA 13, KENTUCKY BUILDING CODE AND SPECIFICATIONS.
C. THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL OBTAIN AND UTILIZE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR LAYING OUT THE SPRINKLER HEADS. THE REFLECTED CEILING PLANS SHOWN ARE TO COORDINATE CEILING TYPES AND LOCATIONS. REFER TO THE MECHANICAL AND ELECTRICAL DRAWINGS FOR CEILING DEVICE LOCATIONS. REFER TO THE SPECIFICATIONS FOR COORDINATION DRAWING REQUIREMENTS.
D. INSTALL HEADS IN CENTER OF 2'X2' TILES. INSTALL HEADS ON 1/4 POINTS OF THE 4' DIMENSION AND CENTER OF THE 2' DIMENSION IN 2'X4' TILES. DO NOT MOUNT HEADS IN CENTER OF 2'X4' TILE IF IT IS SCORED TO LOOK LIKE TWO 2'X2' TILES.
E. ALL SPRINKLER HEADS SHALL BE "SEMI-RECESSED", QUICK RESPONSE SPRINKLER HEADS (UNLESS OTHERWISE NOTED ON THE PLANS.) HEADS SHALL BE FED FROM A RETURN BEND ARRANGEMENT.
F. UTILIZE UPRIGHT AND/OR WALL-MOUNTED TYPE SPRINKLER HEADS IN AREAS WITHOUT CEILINGS.
G. THE FIRE PROTECTION CONTRACTOR SHALL PERFORM HIS OWN FLOW TEST PRIOR TO SUBMITTING SHOP DRAWINGS.
H. REFER TO A COMPLETE SET OF DOCUMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICAITONS) FOR COORDINATION OF TRADES, ROOMS, STRUCTURE AND EQUIPMENT. HVAC DUCTWORK MAINS SHALL BE INSTALLED PRIOR TO FIRE PROTECTION PIPING. PROVIDE DRAIN VALVES IN THE FIRE PROTECTION SYSTEM WHERE REQUIRED TO COMPLETELY DRAIN THE SYSTEM.
I. REFER TO THE SPECIFICATIONS FOR SPRINKLER HEAD TYPES.
J. PROVIDE ALL REQUIRED DRAIN PIPING TO TEST FLOW SWITCHES. DISCHARGE DRAIN PIPING TO OUTDOORS OR A FLOOR DRAIN.
K. SIZE ALL FIRE PROTECTION PIPING IN ACCORDANCE WITH NFPA 13. PIPE SIZING SHALL BE ACCOMPLISHED USING HYDRAULIC CALCULATIONS.
L. SUBMIT HYDRAULIC CALCULATIONS AND SYSTEMS DESIGN FOR REVIEW TO THE M/E ENGINEER.
M. THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS.
N. WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN, PLASTER OR GYPSUM BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK SHALL MATCH ADJACENT SURFACES.
O. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW.
P. COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.
Q. PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.
R. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, STATE, ETC.)
S. CONTRACTOR SHALL BE AWARE OF UNSEEN PLUMBING, HVAC AND ELECTRICAL WORK DURING DEMOLITION. IF ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD VERIFY THE USE OF THE ITEMS AND PLAN AN ALTERNATE ROUTE TO RUN THESE ITEMS. THEN CONTACT THE ENGINEERS TO REVIEW THE ROUTING.
T. ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.
U. ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE, AND SHALL COMPLY WITH INTERIM LIFE SAFETY MEASURES.
V. WHERE CEILINGS ARE INDICATED ALL SPRINKLER PIPING MUST BE INSTALLED ABOVE CEILINGS. SPRINKLER PIPING MUST BE COORDINATED WITH OTHER TRADES. PIPING MUST BE OFFSET TO AVOID CONFLICTS WITH DUCTWORK, CONDUIT, ALL EQUIPMENT, ETC.
W. LOCATIONS OF PIPING, DUCTS AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
X. ALL OFFSETS IN DUCTS AND PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
Y. COORDINATE ALL HVAC WORK WITH ELECTRICAL, PLUMBING AND OTHER TRADES TO AVOID INTERFERENCE WITH PIPING, DUCTS, CONDUIT AND OTHER EQUIPMENT.
Z. SEAL AIRTIGHT AROUND ALL DUCTS AND PIPING PENETRATIONS THROUGH WALLS, FLOORS AND ROOF. PROVIDE FIRE STOPPING IN FIRE PARTITION.
AA. THE CONTRACTOR SHALL RELOCATE OR AVOID ANY EXISTING EQUIPMENT APPURTENANCES, ETC., THAT CONFLICT WITH NEW WORK.
BB. VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILINGS. IN GENERAL ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLING.

PHASING NOTES

A. THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, MAIN GAS SERVICE, WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, STEAM GENERATION, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BARE ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.

HAZARDOUS MATERIALS NOTES

A. THE CONTRACTOR IT IS HEREBY ADVISED THAT IS POSSIBLE THAT ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS ARE OR WERE PRESENT IN THIS BUILDING(S). ANY WORKER, OCCUPANT, VISITOR, ETC., WHO ENCOUNTERS ANY MATERIAL OF WHOSE CONTENT THEY ARE NOT CERTAIN SHALL PROMPTLY REPORT THE EXISTENCE AND LOCATION OF THAT MATERIAL TO THE OWNER. FURTHERMORE, THE CONTRACTOR SHALL INSURE THAT NO ONE COMES NEAR TO OR IN CONTACT WITH ANY SUCH MATERIAL OR FUMES THEREFROM UNTIL ITS CONTENT CAN BE ASCERTAINED TO BE NON-HAZARDOUS.
B. CMTA, INC. HAS NO EXPERTISE IN THE DETERMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL. THEREFORE, NO ATTEMPT HAS BEEN MADE BY CMTA TO IDENTIFY THE EXISTENCE OR LOCATION OF ANY SUCH HAZARDOUS MATERIAL. FURTHERMORE, CMTA NOR ANY AFFILIATE HEREOF WILL NOT OFFER OR MAKE ANY RECOMMENDATIONS RELATIVE TO THE REMOVAL, HANDLING OR DISPOSAL OF SUCH MATERIAL.
C. IF THE WORK WHICH IS TO BE PERFORMED INTERFACES, CONNECTS OR RELATES IN ANY PHYSICAL WAY WITH OR TO EXISTING COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIAL, ASBESTOS BEING ONE, THEN IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE OWNER AND SO ADVISE HIM/HER IMMEDIATELY.
D. THE CONTRACTOR BY EXECUTION OF THE CONTRACT FOR ANY WORK AND/OR BY THE ACCOMPLISHMENT OF ANY WORK THEREBY AGREE TO BRING NO CLAIM RELATIVE TO HAZARDOUS MATERIALS FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY, OR ANY OTHER SUCH ITEM AGAINST CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS OR CONSULTANTS. ALSO, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM ANY SUCH RELATED CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS OR ANY OTHER THIRD PARTIES.
E. THE CONTRACTOR IS DIRECTED TO THE SPECIFICATIONS FOR FURTHER INFORMATION.

ABBREVIATIONS

ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
CLG	CEILING
CLR	CLEAR
DN	DOWN
ENGR	ENGINEER
EQ	EQUAL
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
FVC	FIRE VALVE CABINET
FL	FLOOR
FLA	FULL LOAD AMPS
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPC	FIRE PROTECTION CONTRACTOR
FT	FEET **OR** FOOT
FUT	FUTURE
GA	GAGE/GAUGE
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
HORIZ	HORIZONTAL
ID	I (-DENTIFICATION, -NSIDE DIAMETER, -NSIDE DIMENSION)
IN	INCH (-ES)
INT	INTER (-IOR, -ERVAL)
IPS	IRON PIPE SIZE
LBS	POUNDS
LF	LINEAR FEET/FOOT
MAX	MAXIMUM
MFG	MANUFACTURER
MIN	MIN (-IMUM, -UTE)
MISC	MISCELLANEOUS
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NOISE CRITERIA **OR** NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN **OR** NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DI (-AMETER, -MENSION)
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PPSI GAUGE
SQ FT	SQUARE FEET **OR** FOOT
TBD	TO BE DETERMINED

ABBREVIATIONS (CONTINUED)

TE	TOP ELEVATION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
WT	WEIGHT
W/	WITH
W/O	WITHOUT
%	PERCENT
℄	CENTERLINE

GENERAL SYMBOLS

(#)	TAGGED NOTE DESIGNATOR
1	REVISION TRIANGLE
ROOM NAME / [RM #]	ROOM TAG
TAG / INSTANCE	EQUIPMENT TAG
	POINT OF CONNECTION / CONNECT TO EXISTING
	POINT OF DEMOLITION

MECHANICAL PIPING LEGEND

	PIPE ELBOW TURNING UP
	PIPE ELBOW TURNING DOWN
	PIPE TEE; CONNECTION ON TOP
	PIPE TEE; CONNECTION ON BOTTOM
	PIPE CAP
—FP—	FIRE PROTECTION PIPING
-- D(XXX) --	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
—E(XXX)—	EXISTING PIPING - (XXX) DENOTES SYSTEM
—A(XXX)—	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM
	STRAINER
	MANUAL ISOLATION VALVE
	GLOBE VALVE
	OS&Y (GATE) VALVE
	PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)
	CHECK VALVE
	DOUBLE CHECK VALVE ASSEMBLY
	FLEXIBLE PIPE CONNECTION
	PIPING UNION
	FLOW SWITCH
	PRESSURE SWTICH
	TAMPER SWITCH
	PETE'S PLUG; TEMPERATURE/PRESSURE PORT
	SEMI-RECESSED SPRINKLER HEAD WITH REMOVABLE ESCUTCHEON PLATE
	UPRIGHT TYPE SPRINKLER HEAD
	SIDEWALL TYPE SPRINKLER HEAD

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KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

FIRE SUPPRESSION LEGEND

22-106

F001

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1 FIRST FLOOR - FIRE SUPPRESSION PLAN

F101 SCALE: 3/32" = 1'-0"

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FIRST FLOOR FIRE SUPPRESSION PLAN

22-106

F101

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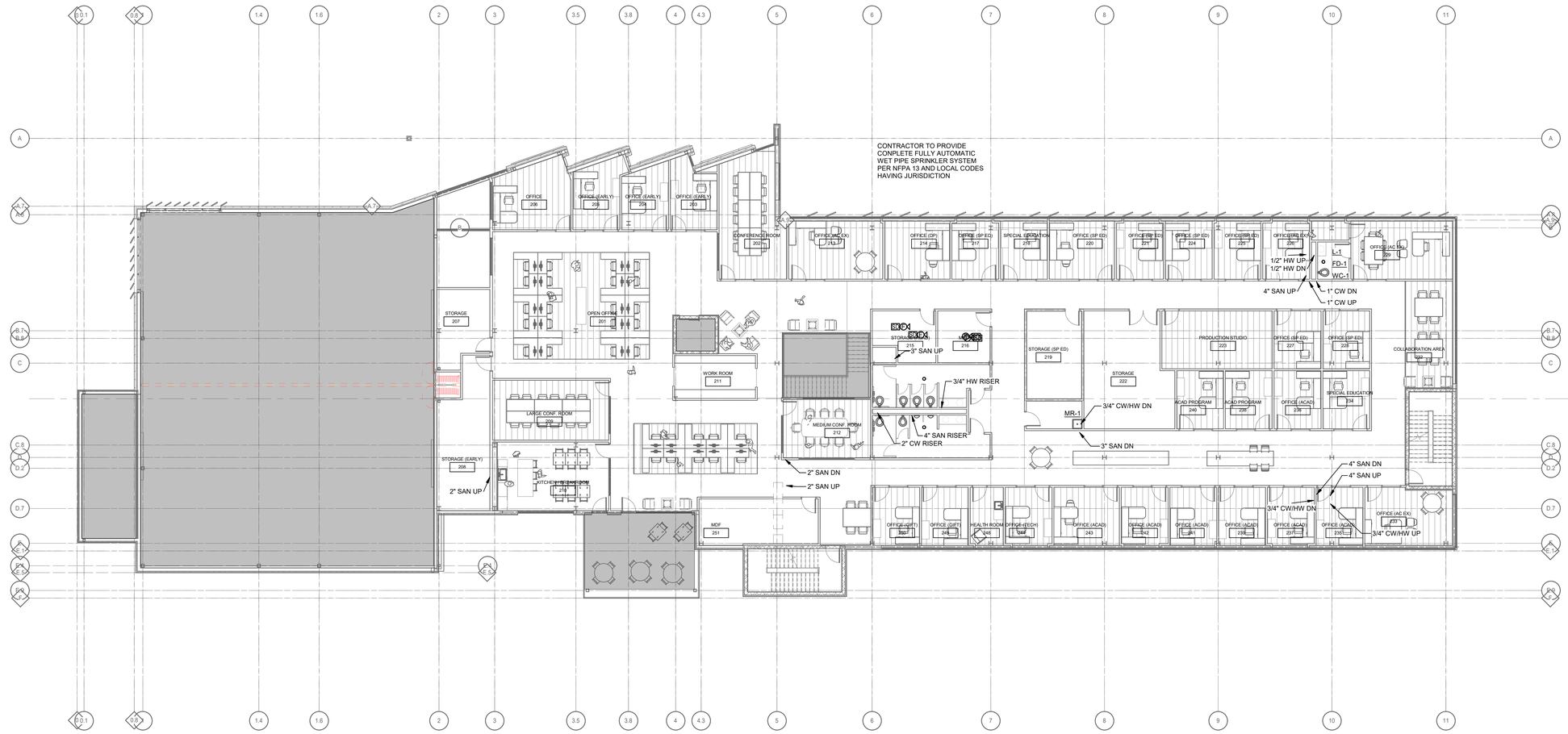

1 SECOND FLOOR - FIRE SUPPRESSION PLAN

F102 SCALE: 3/32" = 1'-0"

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SECOND FLOOR FIRE SUPPRESSION PLAN

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F102

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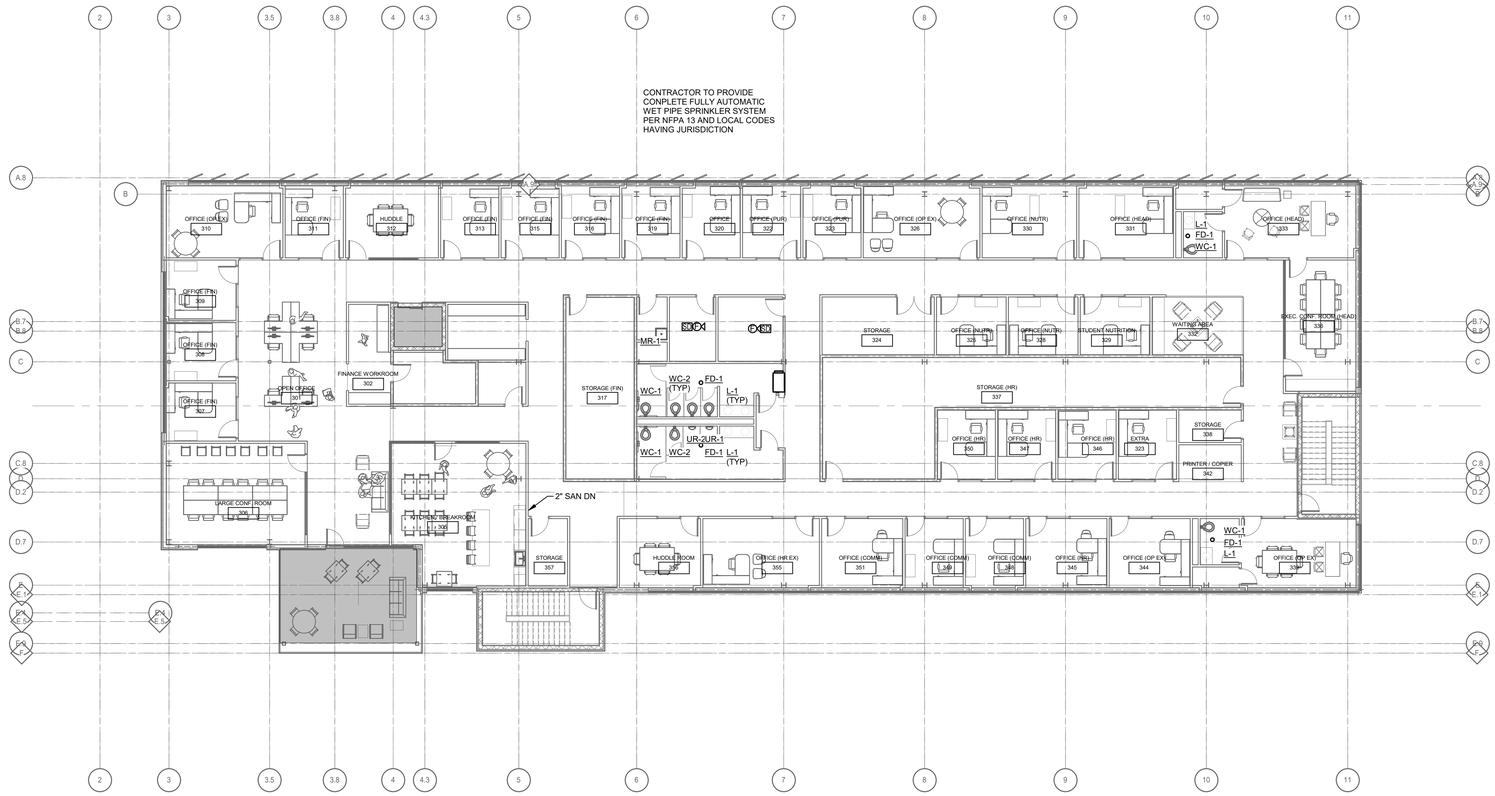

1 THIRD FLOOR - FIRE SUPPRESSION PLAN

F103 SCALE: 3/32" = 1'-0"

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THIRD FLOOR FIRE SUPPRESSION PLAN

22-106

F103

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PLUMBING GENERAL NOTES:

A. COORDINATE THE LOCATION OF DRAIN, GAS OUTLETS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE CONTRACTOR.
B. THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
C. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW.
D. COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.
E. PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.
F. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, STATE, ETC.)
G. IF AREA OF CONSTRUCTION HAS A POST TENSION FLOOR SLAB, CONTRACTOR SHALL USE ULTRA SOUND OR OTHER APPROVED METHODS TO SURVEY THE EXISTING FLOOR STRUCTURE BEFORE MAKING ANY AND ALL FLOOR PENETRATIONS.
H. WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING CONDUITS, WATER, HYDRONIC, STEAM, CHILLED WATER, FIRE PROTECTION LINES, MED GAS, ETC. SHALL BE LOWERED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE.
I. ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.
J. ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE, AND SHALL COMPLY WITH INTERIM LIFE SAFETY MEASURES.
K. ALL PIPING IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.
L. LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
M. ALL OFFSETS IN PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
N. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES OR OTHER COSTS THAT ANY UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (GAS, SEWER, WATER, ETC.)
O. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
P. ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
Q. DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
R. VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILINGS. IN GENERAL ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLING.
S. ALL MANHOLES, VAULTS AND SIMILAR UNDERGROUND STRUCTURES SHALL HAVE THE TOP ELEVATION SET FLUSH WITH FINISHED GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
T. WHEN RUNNING ANY TYPE OF PIPING BELOW A FOOTER, OR IN THE ZONE OF INFLUENCE THE PIPING SHALL BE BACKFILLED WITH CEMENTITIOUS FLOWABLE FILL PER SPECIFICATIONS. WHENEVER POSSIBLE, LOCATE PIPING OUTSIDE OF THE ZONE OF INFLUENCE. THE ZONE OF INFLUENCE IS THE AREA UNDER THE FOOTER WITHIN A 45 DEGREE ANGLE PROJECTING DOWN FROM THE BOTTOM EDGE OF THE FOOTER OF ALL SIDES OF THE FOOTER. ADDITIONALLY, GREASE TRAPS, MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES SHALL BE HELD AWAY FROM BUILDING WALLS FAR ENOUGH TO BE OUTSIDE OF THE ZONE OF INFLUENCE.
U. WORK IN CONFINED AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S SAFETY POLICY REQUIREMENTS.

SYMBOLS & ABBREVIATIONS

A, AIR	MEDICAL AIR
AFF	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
C.I.	CAST IRON
CO2	CARBON DIOXIDE
CW	DOMESTIC COLD WATER
DN	DOWN
EV	EVACUATION (WASTE ANESTHETIC GAS DISPOSAL)
FHV	FIRE HOSE VALVE WITH CABINET
FPWH	FREEZE PROOF WALL HYDRANT
HB	HOSE BIBB
HW	DOMESTIC HOT WATER
IAW	IN ACCORDANCE WITH
ID	INSIDE DIMENSION
IE	INVERT ELEVATION
LPA	LINE PRESSURE ALARM (MEDICAL GAS AREA ALARM)
MH	MANHOLE
MSA	MULTI-SINGLE ALARM (MEDICAL GAS MASTER ALARM)
NTS	NOT TO SCALE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
O, OX	OXYGEN
OD	OUTSIDE DIMENSION
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OR	OPEN RECEPTACLE
ORL	OVERFLOW ROOF LEADER
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, OR GAS)
PSI	POUNDS PER SQUARE INCH
RHW	DOMESTIC RECIRCULATING HOT WATER
RL	ROOF LEADER
SCW	SOFT DOMESTIC COLD WATER
SR	SANITARY RISER
TB	THRUST BLOCK
TE	TOP ELEVATION
TP	TRAP PRIMER
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V, VAC	VACUUM
VTR	VENT THRU ROOF

	POINT OF CONNECTION
	LIMIT OF DEMOLITION
	PIPE ELBOW TURNING UP/TURNING DOWN
	PIPE TEE TURNING UP/TURNING DOWN
— A —	MEDICAL AIR
— CA —	COMPRESSED AIR
— FM —	FORCED MAIN
— FP —	FIRE PROTECTION LINE
— G —	GAS LINE
— GW —	SANITARY WASTE PIPING TO GREASE TRAP
— O —	OXYGEN PIPING
— ORL —	OVERFLOW ROOF LEADER PIPING
— RL —	ROOF LEADER PIPING
— SAN —	SANITARY WASTE PIPING
— SS —	STORM SEWER PIPING
— V —	VACUUM PIPING
— VT —	VENT PIPING
— E(NAME) —	EXISTING PIPING (THIN LINE)
–ABAN(NAME)–	ABANDONED EXISTING PIPING (THIN LINE)
— – – — – —	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER SUPPLY
	DOMESTIC RECIRCULATING HOT WATER
CO	CLEANOUT IN CEILING SPACE
CO	FLOOR CLEANOUT
ECO	EXTERIOR CLEANOUT
	BALANCING VALVE
	BALL VALVE
	SAFETY RELIEF VALVE
	SAFETY RELIEF VALVE
	OS&Y (GATE) VALVE
	PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)
	STRAINER
	CHECK VALVE
	DOUBLE CHECK VALVE ASSEMBLY
	PIPING UNION
	FLOW SWITCH
	PRESSURE SWTICH
	TAMPER SWITCH
	THERMOMETER
V	VACUUM BREAKER
	LIMITED AREA SPRINKLER HEAD
	PETE'S PLUG
FD-#	FLOOR DRAIN DESIGNATOR
RD-#	ROOF DRAIN DESIGNATOR
P-#	PLUMBING FIXTURE DESIGNATOR
	EQUIPMENT TAG DESIGNATOR
X	TAGGED NOTE DESIGNATOR
X	REVISION DESIGNATOR
X S	TEMPERATURE SENSOR
	HOSE BIB
TMV	

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PLUMBING LEGEND

22-106

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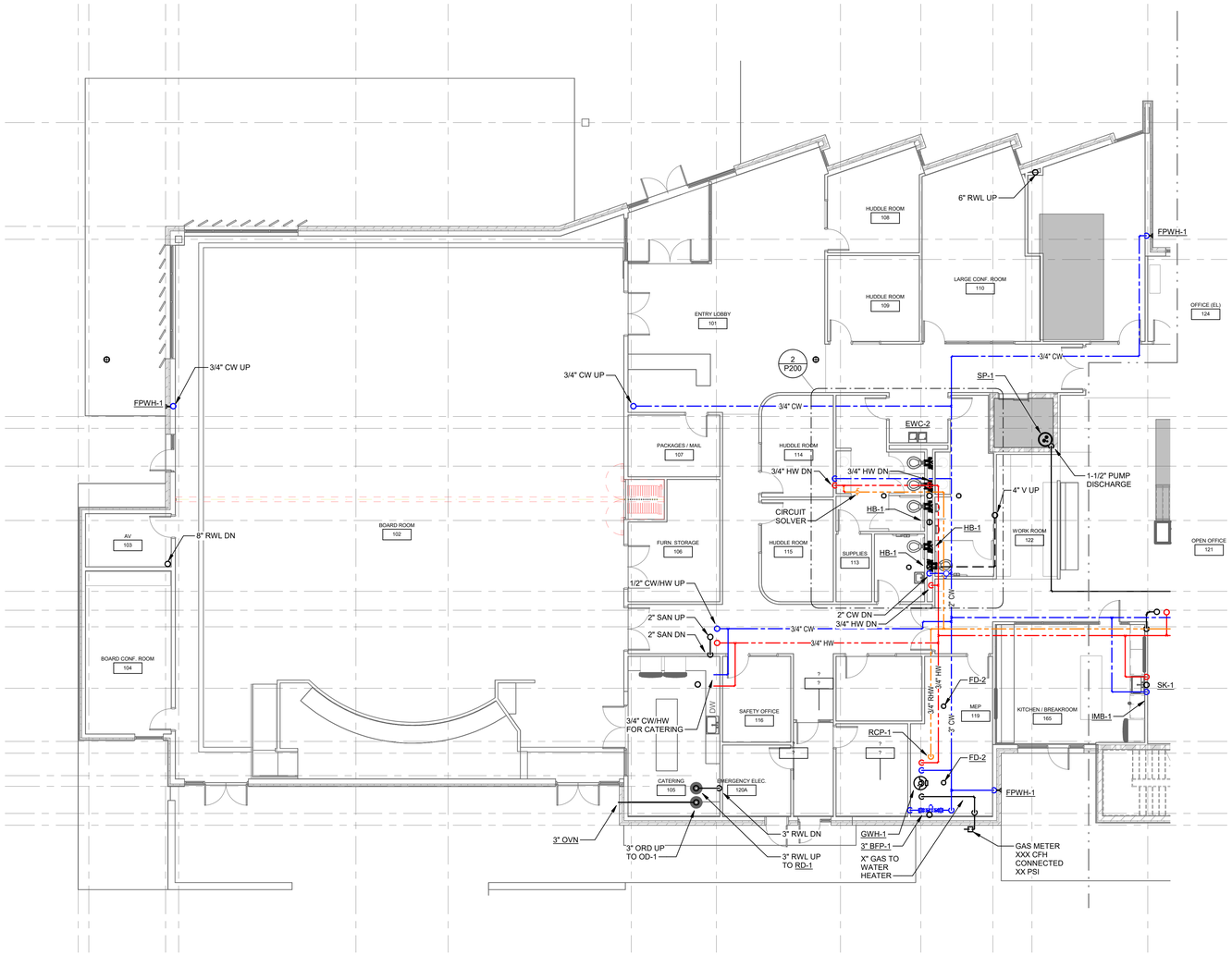
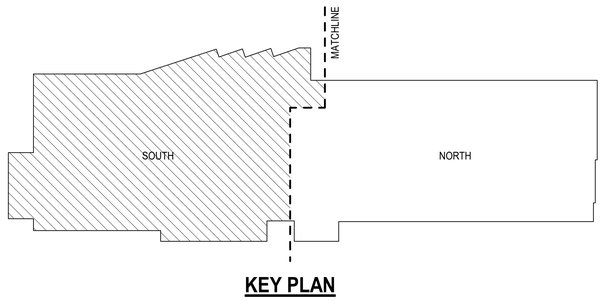


MAGNETIC PLAN

1
P101A

FIRST FLOOR - PLUMBING PLAN - SOUTH

SCALE 1/8" = 1'-0"



KEY PLAN

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FIRST FLOOR PLUMBING PLAN - SOUTH

22-106

P101A

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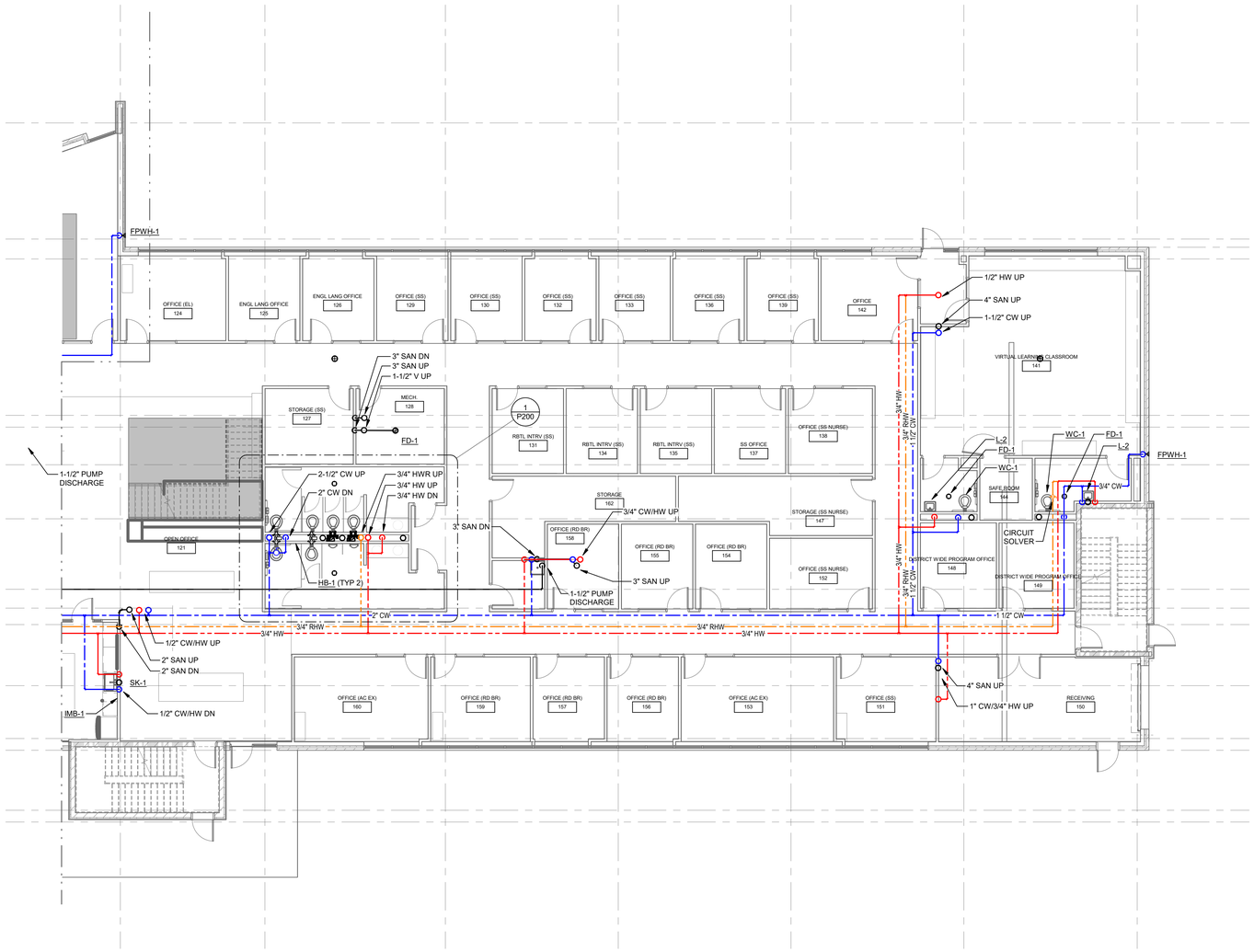
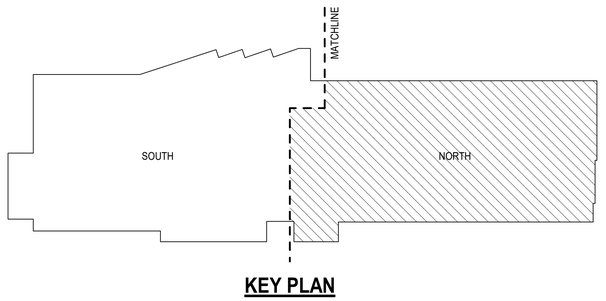


MAGNETIC PLAN

1 FIRST FLOOR - PLUMBING PLAN - NORTH

P101B SCALE1/8" = 1'-0"



KEY PLAN

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COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

FIRST FLOOR PLUMBING PLAN - NORTH

22-106

P101B

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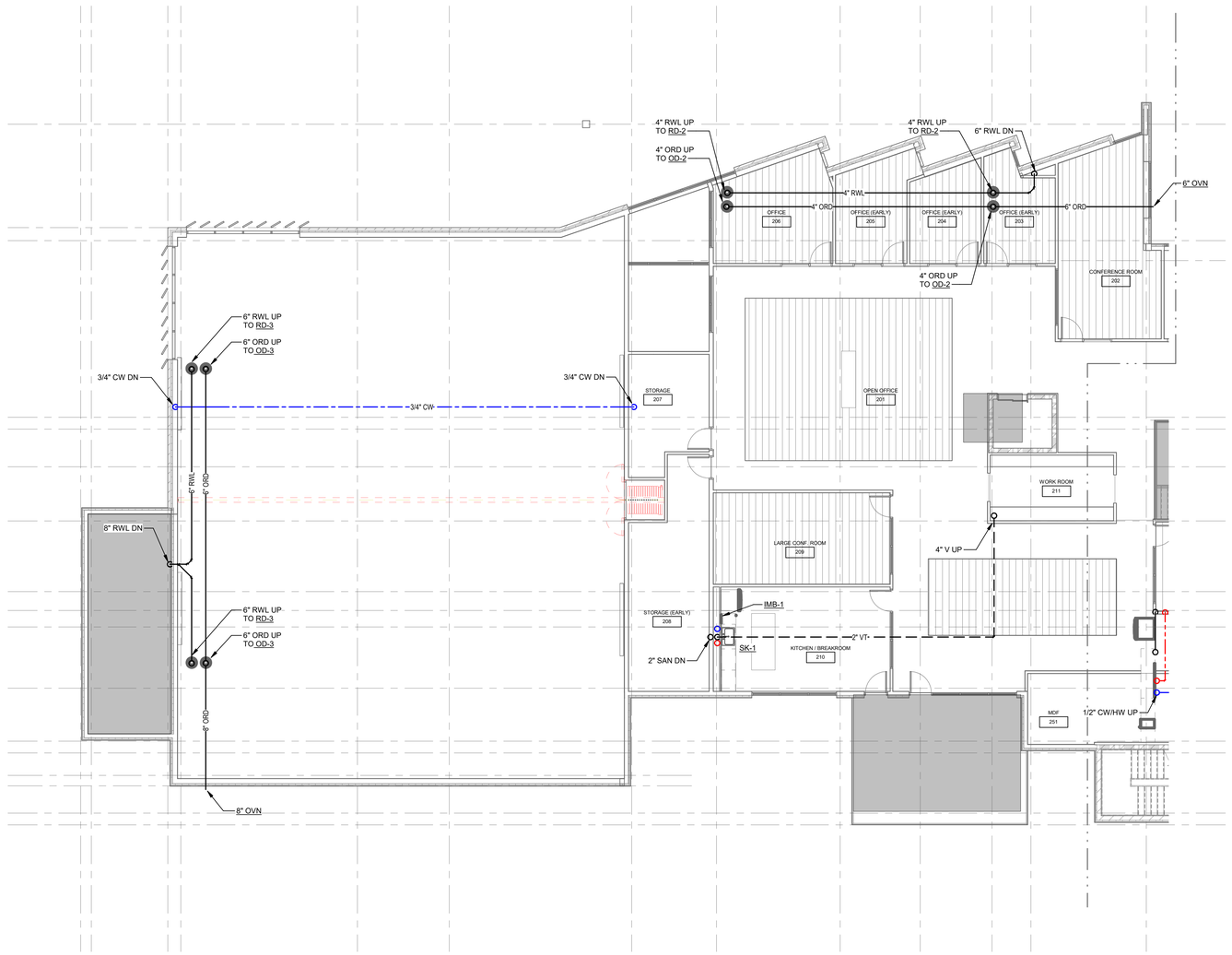
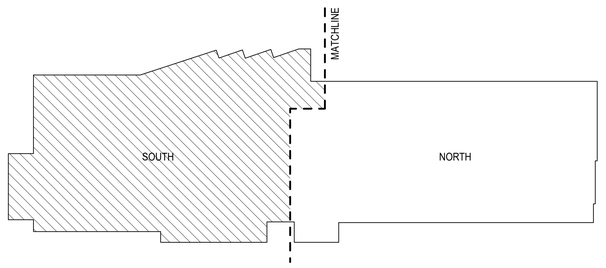


MAGNETIC PLAN | 1 | P102A

SECOND FLOOR - PLUMBING PLAN - SOUTH

SCALE 1/8" = 1'-0"



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SECOND FLOOR
PLUMBING PLAN - SOUTH

22-106

P102A

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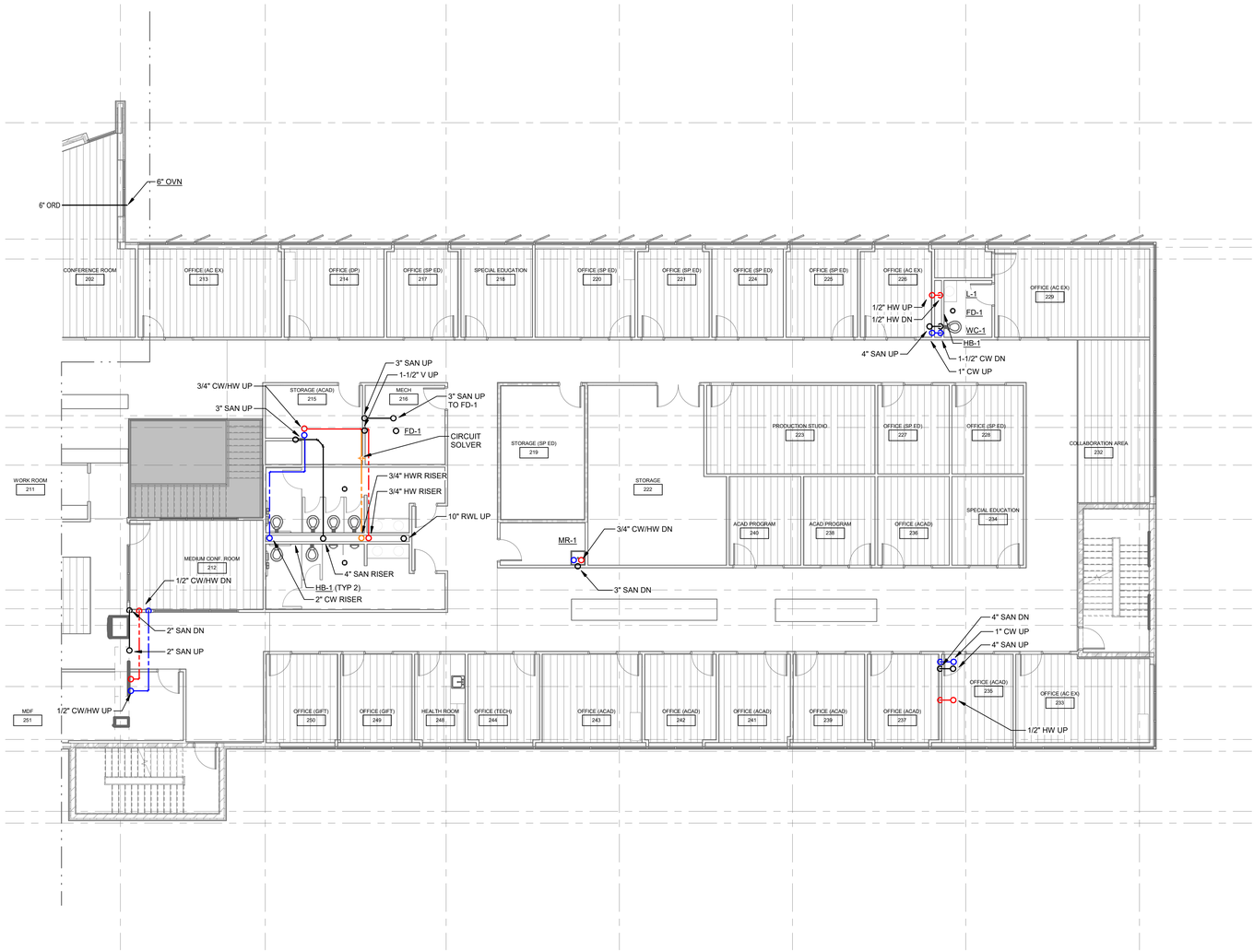
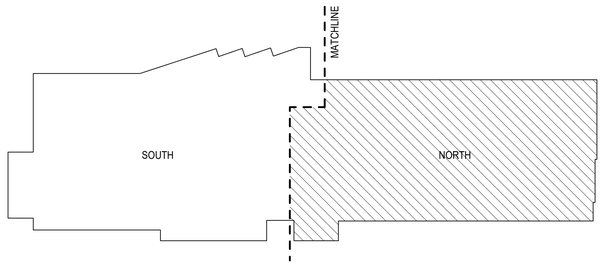


MAGNETIC PLAN

1 / P102B

SECOND FLOOR - PLUMBING PLAN - NORTH

SCALE: 1/8" = 1'-0"



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SECOND FLOOR PLUMBING PLAN - NORTH

22-106

P102B

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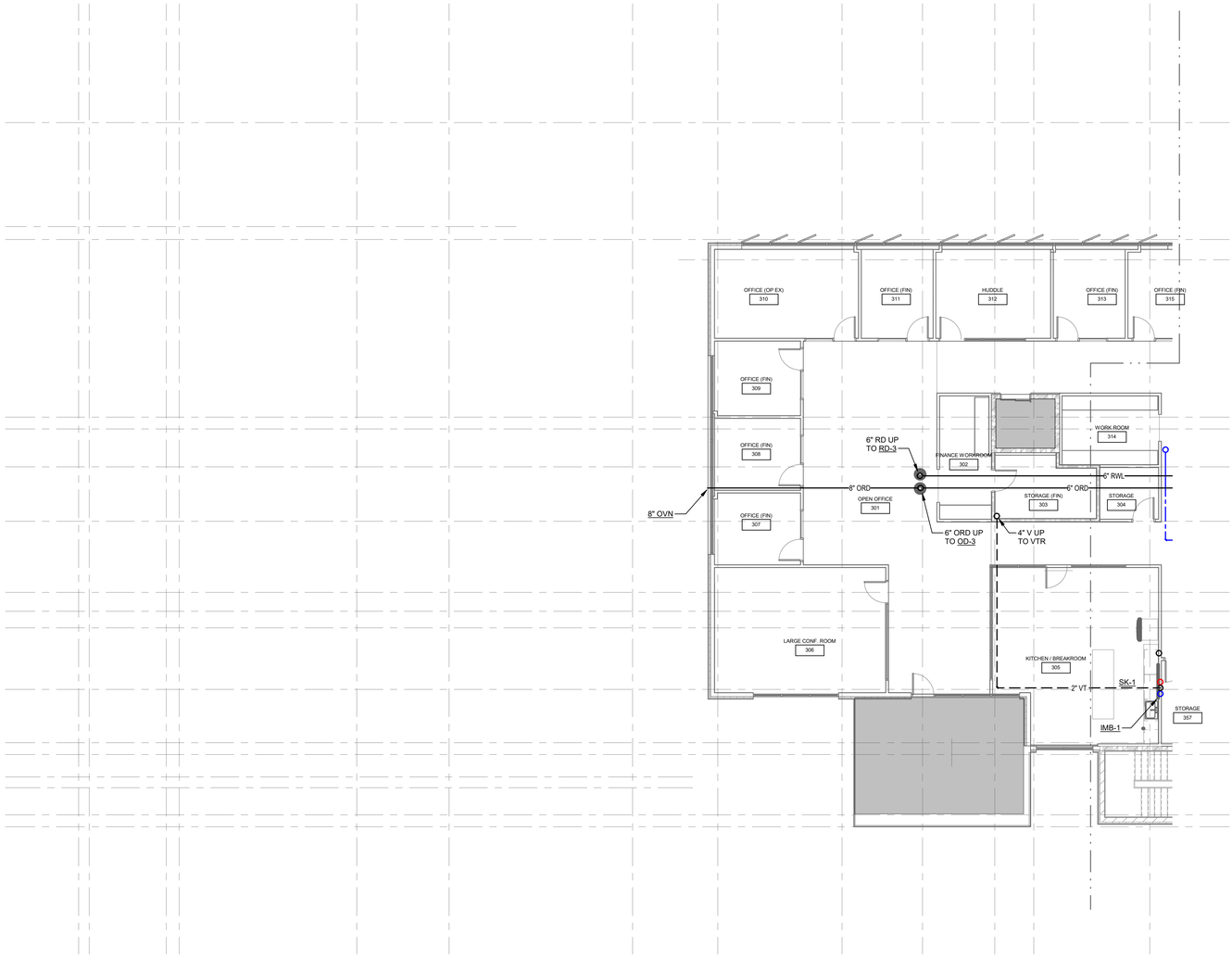
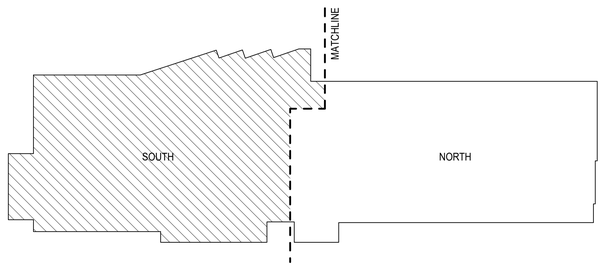


MAGNETIC PLAN

1 | P103A

THIRD FLOOR - PLUMBING PLAN - SOUTH

SCALE: 1/8" = 1'-0"



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THIRD FLOOR PLUMBING PLAN - SOUTH

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P103A

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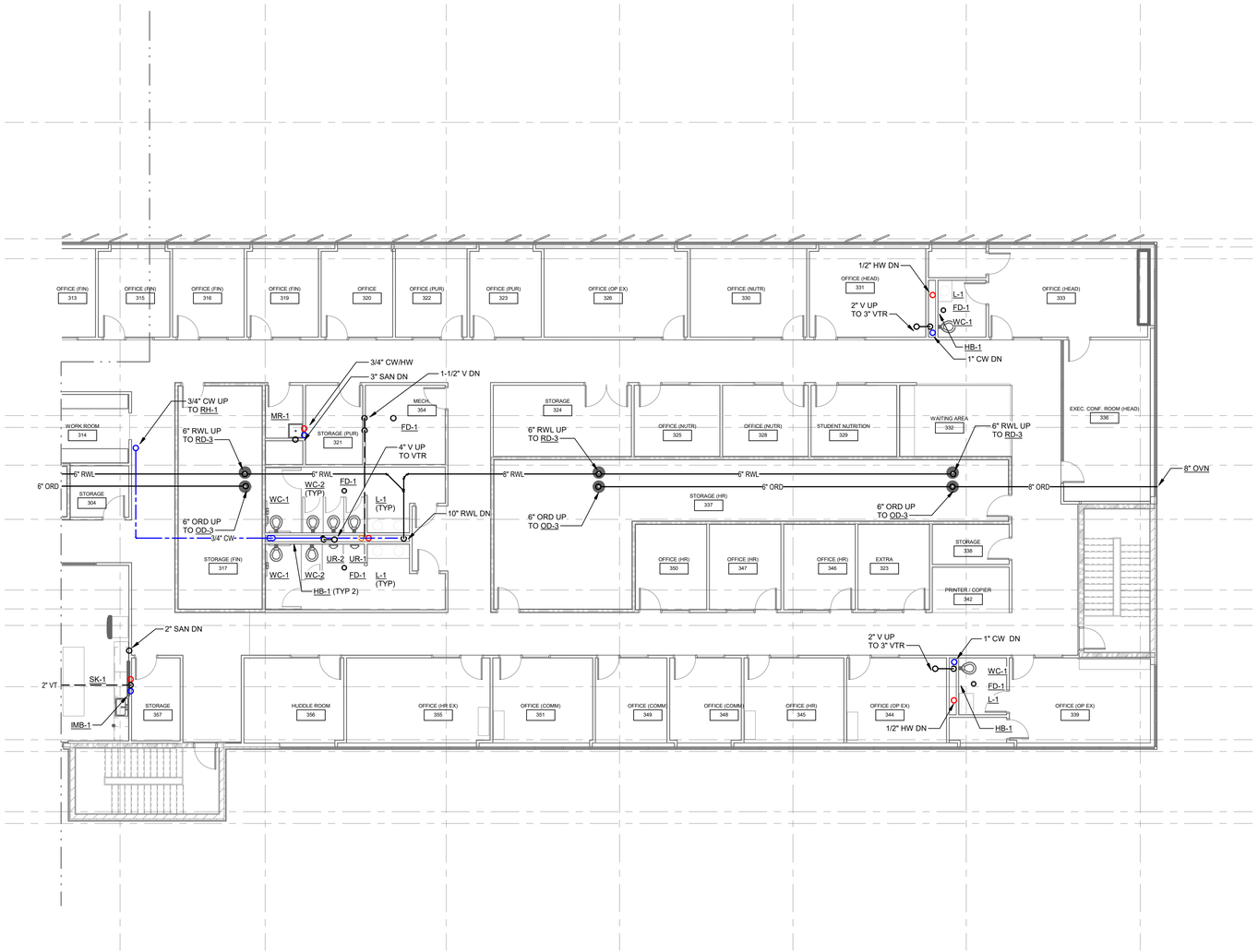
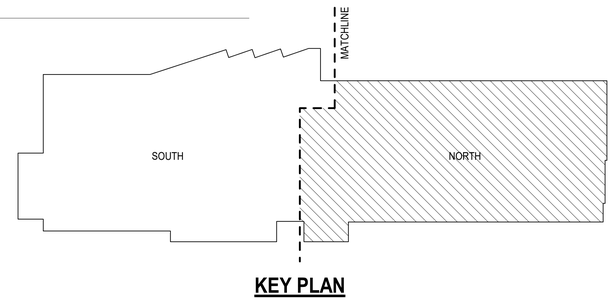


MAGNETIC PLAN | 1 | P103B

THIRD FLOOR - PLUMBING PLAN - NORTH

SCALE!/8" = 1'-0"



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THIRD FLOOR PLUMBING PLAN - NORTH

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P103B

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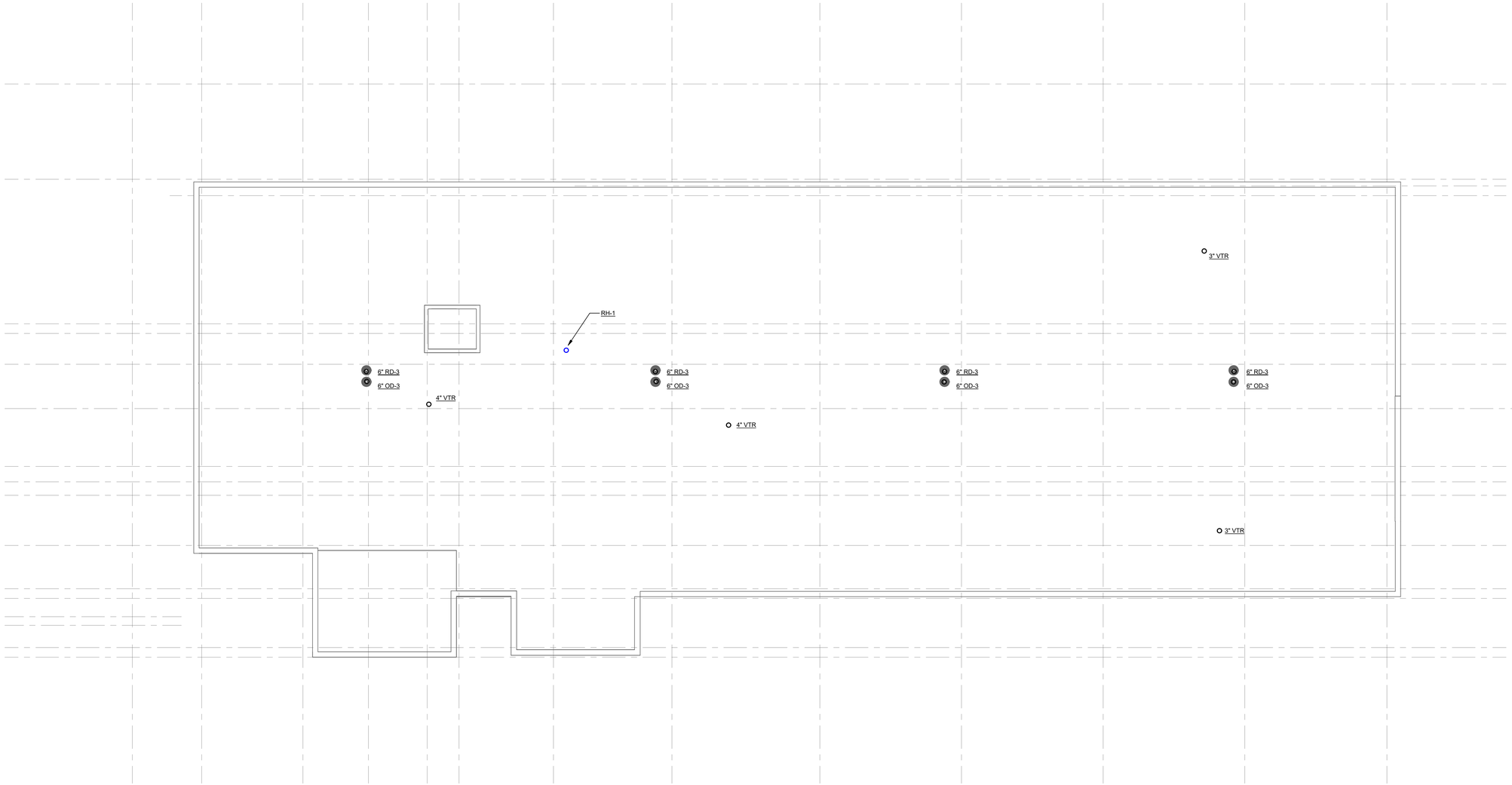

MAGNETIC PLAN

1 / P104 ROOF PLAN PLUMBING

SCALE: 1/8" = 1'-0"

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ROOF PLAN PLUMBING

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P104

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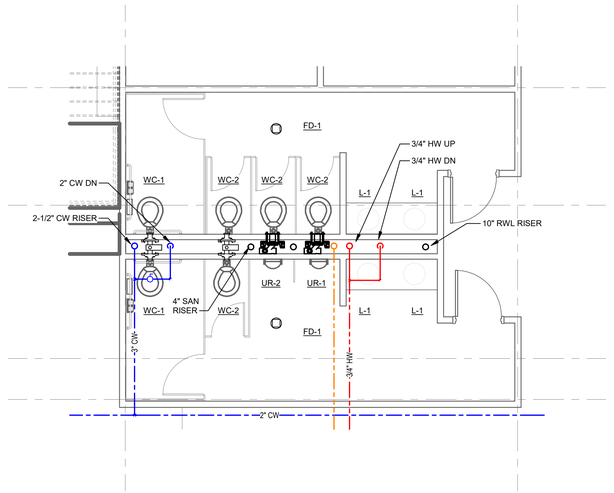
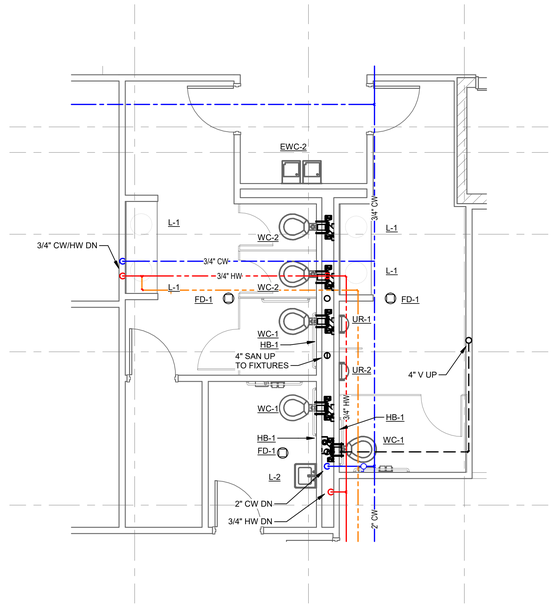


1 | P200 — ENLARGED PLUMBING PLAN - NORTH

SCALE: 1/4" = 1'-0"



2 | P200 — ENLARGED PLUMBING PLAN - SOUTH

SCALE: 1/4" = 1'-0"

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PLUMBING ENLARGED PLANS

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P200

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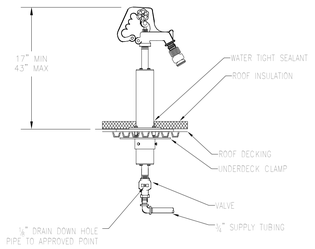
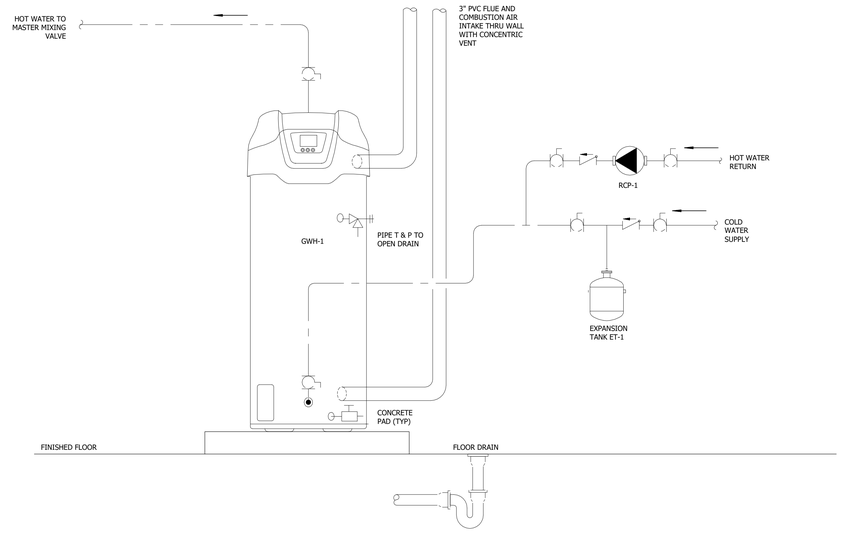
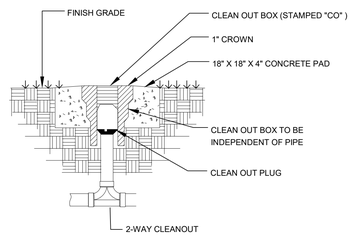


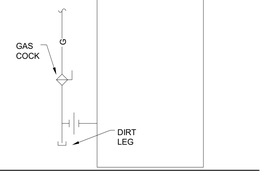
5 ROOF HYDRANT DETAIL
SCALE: NONE



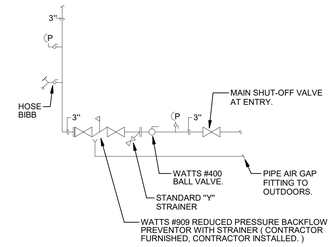
4 GAS WATER HEATER DETAIL
SCALE: NONE



EXTERIOR CLEANOUT DETAIL - "ECO"
NOT TO SCALE



GAS PIPING DETAIL
NOT TO SCALE



BACKFLOW PREVENTER DETAIL
NOT TO SCALE

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PLUMBING DETAILS

22-106

P300

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PLUMBING DRAIN SCHEDULE

MARK	DESCRIPTION	BASIS OF DESIGN	NOMINAL PIPE SIZE		REMARKS
			WASTE	VENT	
FD-1	FLOOR DRAIN	ZURN Z415B	3"	1-1/2"	WITH TRAP GUARD
FD-2	FLOOR DRAIN	ZURN Z415B	4"	2"	WITH TRAP GUARD
OD-1	OVERFLOW DRAIN	SIOUX CHIEF 868 SERIES	3"		COMBINATION OVERFLOW
OD-2	OVERFLOW DRAIN	SIOUX CHIEF 868 SERIES	4"		COMBINATION OVERFLOW
OD-1	OVERFLOW DRAIN	SIOUX CHIEF 868 SERIES	6'	-	COMBINATION OVERFLOW
ON	OVERFLOW NOZZLE	ZURN Z199	-	-	SEE PLAN FOR SIZES
RD-1	ROOF DRAIN	SIOUX CHIEF 868 SERIES	3"	-	NO HUB
RD-2	ROOF DRAIN	SIOUX CHIEF 868 SERIES	4"	-	NO HUB
RD-1	ROOF DRAIN	SIOUX CHIEF 868 SERIES	6"	-	NO HUB

ACCEPTABLE EQUAL MANUFACTURERS: JOSAM, JR SMITH, WADE, WATTS

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	BASIS OF DESIGN	ACCESSORIES	NOMINAL PIPE SIZE				REMARKS
				DCW	DHW	WASTE	VENT	
EWC-1	ELECTRIC WATER COOLER	MURDOCK A171.8-BF12	-	1/2"	-	1 1/2"	1 1/2"	SINGLE LEVEL ADA COMPLIANT WITH BOTTLE FILLER
EWC-2	ELECTRIC WATER COOLER	MURDOCK A172.8-VR-BF12	-	1/2"	-	1 1/2"	1 1/2"	BI-LEVEL ADA COMPLIANT WITH BOTTLE FILLER
FPWH-1	WALL HYDRANT	WOODFORD MODEL B65	-	3/4"	-	-	-	FREEZE-RESISTANT WALL BOX WITH HINGED DOOR
HB-1	HOSE BIBB	WOODFORD MODEL 65	-	1/2"	-	-	-	LOOSE TEE KEY OPERATION
L-1	UNDERMOUNT LAVATORY	KOHLER CAXTON K--2210	DELTA 22C101 FAUCET	1/2"	1/2"	1 1/2"	1 1/2"	ADA COMPLIANT
L-2	WALL HUNG LAVATORY	KOHLER KINGSTON K-2005	DELTA 22C101 FAUCET	1/2"	1/2"	1 1/2"	1 1/2"	ADA COMPLIANT
MR-1	MOP RECEPTOR	ZURN Z1996-24	Z1996-SF FAUCET	1/2"	1/2"	2"	1 1/2"	HOSE AND WALL HOOK MOP HANGER
RH-1	ROOF HYDRANT	ZURN Z1388	DUAL CHECK VALVE	3/4"	-	-	-	FREEZEPROOF
SK-1	COUNTERTOP SINK	ELKAY LUSTERTONE	SWING SPOUT FAUCET, HAND HELD SPRAYER	1/2"	1/2"	1 1/2"	1 1/2"	SINGLE COMPARTMENT
SK-2	COUNTERTOP SINK	ELKAY LUSTERTONE	SWING SPOUT FAUCET, HAND HELD SPRAYER	1/2"	1/2"	1 1/2"	1 1/2"	DOUBLE COMPARTMENT
UR-1	WALL HUNG URINAL-ADA	KOHLER BARDON K-4991-ET	SLOAN OPTIMA 186 SMO-0.5 FLUSH VALVE	3/4"	-	2"	1 1/2"	BATTERY OPERATED FLUSH VALVE
UR-2	WALL HUNG URINAL	KOHLER BARDON K-4991-ET	SLOAN OPTIMA 186 SMO-0.5 FLUSH VALVE	3/4"	-	2"	1 1/2"	BATTERY OPERATED FLUSH VALVE
WC-1	WALL MOUNTED WATER CLOSET - ADA	KOHLER KINGSTON K-4325	SLOAN OPTIMA 111 SMO 1.6 FLUSH VALVE	1"	-	4"	2"	BATTERY OPERATED FLUSH VALVE
WC-2	WALL MOUNTED WATER CLOSET	KOHLER KINGSTON K-4325	SLOAN OPTIMA 111 SMO 1.6 FLUSH VALVE	1"	-	4"	2"	BATTERY OPERATED FLUSH VALVE

ACCEPTABLE EQUAL MANUFACTURERS: AMERICAN STANDARD, ELJER, ELKAY, JUST, KOHLER, MUSTEE, SLOAN, ZURN.

WATER HEATER SCHEDULE

MARK	DESCRIPTION	BASIS OF DESIGN	STORAGE GALLONS	RECOVERY AT 90 DEGREE RISE GPH	GAS INPUT MBH	EFFICIENCY %	ELECTRICAL DATA			REMARKS
							KW	VOLT	PH	
GWH-1	GAS-FIRED DOMESTIC WATER HEATER, P & T RELIEF VALVE, EXPANSION TANK, PVC FLUE AND COMBUSTION AIR INTAKE, ASME 150 PSI TANK	AO SMITH BTX-80	50	127	76	95	-	120	1	PROVIDE CONCENTRIC VENT KIT

EXPANSION TANK SCHEDULE

MARK	SERVING	BASIS OF DESIGN	TANK VOLUME (GALLONS)	MAX ACCEPTANCE	CONNECTION (INCHES)	SYSTEM	REMARKS
ET-1	DWH-X	AMTROL ST-12C	6.4	3.2	3/4	DOMESTIC	ASME RATED

ACCEPTABLE EQUAL MANUFACTURERS: B & G, TACO, WATTS

PUMP SCHEDULE

MARK	LOCATION	BASIS OF DESIGN	TYPE	CAPACITY		MOTOR DATA				REMARKS
				GPM	FT HD	HP	VOLTS	PHASE	Hz	
RCP-1	SEE PLANS	ARMOSTRONG ASTRO 30-3	IN-LINE, 3 SPEED	8	10	1/25	120	1	60	AQUASTAT, TIMER
SP-1	SEE PLANS	ZOELLER 161	SUBMERSIBLE	50	15	1/2	120	1	60	CHECK VALVE, 24x36 BASIN

ACCEPTABLE EQUAL MANUFACTURERS: ARMSTRONG, B & G, GRUNDFOSS, LITTLE GIANT, STANCOR, ZOELLER

BACKFLOW PREVENTER SCHEDULE

MARK	LOCATION	BASIS OF DESIGN	PIPING CONNECTIONS		MAXIMUM FLOW GPM	DESIGN FLOW GPM	MAXIMUM PRESSURE LOSS PSI	SYSTEM SERVED	REMARKS
			DCW	DRAIN					
BFP-1	SEE PLANS	WATTS LF009	3"	3"	127	150	12%	DOMESTIC	REDUCED PRESSURE, PROVIDE W/ STRAINER AND AIR GAP FITTING
BFP-2	SEE PLANS	WATTS LF7	3/8"	-	2	1	6	DOMESTIC	COFFEE MAKER
BFP-3	SEE PLANS	WATTS SD-2	3/8"	-	1.7	1	10	DOMESTIC	ICE MACHINE, CARBONATED BEVERAGE

ACCEPTABLE EQUAL MANUFACTURERS: AMES, FEBCO, VIKING, WILKINS

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PLUMBING SCHEDULES

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2. ALL MANUFACTURERS, SUPPLIERS, FABRICATORS, CONTRACTORS, ETC. SUBMITTING PROPOSALS FOR ANY PART OF THE WORK, SERVICES, MATERIALS OR EQUIPMENT TO BE USED ON OR APPLIED TO THIS PROJECT ARE HEREBY DIRECTED TO FAMILIARIZE THEMSELVES WITH THE CONTRACT DOCUMENTS. IN CASE OF CONFLICTS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR CLARIFICATION AND FINAL DETERMINATION PRIOR TO THE BID.
3. THE WORK SHALL CONSIST OF FURNISHING ALL LABOR, EQUIPMENT, TRANSPORTATION, SUPPLIES, MATERIALS, APPURTENANCES AND SERVICES NECESSARY FOR THE SATISFACTORY INSTALLATION OF THE COMPLETE AND OPERATING SYSTEMS INDICATED OR SPECIFIED IN THE CONTRACT DOCUMENTS.
4. ANY MATERIALS, LABOR, EQUIPMENT OR SERVICES NOT MENTIONED SPECIFICALLY HEREIN WHICH MAY BE NECESSARY TO COMPLETE ANY PART OF THE SYSTEMS IN A SUBSTANTIAL MANNER, IN COMPLIANCE WITH THE REQUIREMENTS STATED, IMPLIED OR INTENDED IN THE PLANS AND SPECIFICATIONS, SHALL BE INCLUDED IN THE BID AS PART OF THE CONTRACT.
5. THE ENGINEER DOES NOT DEFINE THE SCOPE OF INDIVIDUAL TRADES, SUBCONTRACTORS, MATERIAL SUPPLIERS AND VENDORS. ANY SHEET NUMBERING OR SPECIFICATION NUMBERING SYSTEM USED WHICH IDENTIFIES DISCIPLINES IS SOLELY FOR THE ENGINEER'S CONVENIENCE AND IS NOT INTENDED TO DEFINE A SUBCONTRACTOR'S SCOPE OF WORK. INFORMATION REGARDING INDIVIDUAL TRADES, SUBCONTRACTORS, MATERIAL SUPPLIERS AND VENDORS MAY BE DETAILED, DESCRIBED AND INDICATED AT DIFFERENT LOCATIONS THROUGHOUT THE CONTRACT DOCUMENTS. NO CONSIDERATION WILL BE GIVEN TO REQUESTS FOR CHANGE ORDERS FOR FAILURE TO OBTAIN AND REVIEW THE COMPLETE SET OF CONTRACT DOCUMENTS WHEN PREPARING BIDS, PRICES AND QUOTATIONS. UNLESS STATED OTHERWISE, THE SUBDIVISION AND ASSIGNMENT OF WORK UNDER THE VARIOUS SECTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR HOLDING THE PRIME CONTRACT.
6. IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO CALL FOR A COMPLETE AND OPERATIONAL SYSTEM, INCLUDING ALL COMPONENTS, ACCESSORIES, FINISH WORK, ETC NECESSARY FOR TROUBLE FREE OPERATION; TESTED AND READY FOR OPERATION. ANYTHING THAT MAY BE REQUIRED, IMPLIED, OR INFERRED BY THE CONTRACT DOCUMENTS SHALL BE PROVIDED AND INCLUDED AS PART OF THE BID.
7. ALL CONTRACTORS AND VENDORS PROVIDING A BID FOR THIS PROJECT SHALL REVIEW THE PLANS AND SPECIFICATIONS AND DETERMINE ANY MODIFICATIONS AND/OR ADJUSTMENTS NECESSARY RELATIVE TO THE PROPOSED EQUIPMENT AND MATERIALS WITH SPECIFIC MANUFACTURER'S INSTALLATION REQUIREMENTS. INCLUDE IN THE BID ANY NECESSARY METHODS, FEATURES, OPTIONS, ACCESSORIES, ETC. NECESSARY TO INSTALL THE PROPOSED EQUIPMENT AND MATERIALS, REGARDLESS OF WHETHER USED AS BASIS OF DESIGN OR BEING OFFERED AS A SUBSTITUTION, IN ACCORDANCE WITH THE SPECIFIC MANUFACTURER'S INSTALLATION REQUIREMENTS, WHETHER SPECIFICALLY DETAILED OR NOT, WITHIN THE PLANS AND SPECIFICATIONS.
8. THE BIDDER/PROPOSER SHALL COMPLETELY REVIEW THE CONTRACT DOCUMENTS. ANY INTERPRETATION AS TO DESIGN INTENT OR SCOPE SHALL BE PROVIDED BY THE ENGINEER. SHOULD ANY INTERPRETATION BE REQUIRED, THE BIDDER/PROPOSER SHALL REQUEST A CLARIFICATION NOT LESS THAN TEN (10) DAYS PRIOR TO THE SUBMISSION OF THE BID SO THAT THE CONDITION MAY BE CLARIFIED BY ADDENDUM. IN THE EVENT OF ANY CONFLICT, DISCREPANCY, OR INCONSISTENCY DEVELOPS; THE INTERPRETATION OF THE ENGINEER SHALL BE FINAL.
9. THE CONTRACTOR SHALL PROVIDE LAYOUT CONFIRMATION OF EQUIPMENT LOCATIONS TO VERIFY THAT ALL COMPONENTS WILL FIT IN THE PROPOSED SPACE AND HAVE ADEQUATE CLEARANCE FOR SERVICES. COORDINATE THE LOCATION OF DRAINS, CONNECTIONS, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
10. EQUIPMENT AND MATERIALS SUBSTITUTIONS OR DEVIATIONS SHALL COMPLY WITH "GENERAL PROVISIONS - MECHANICAL PART 6." ANY VENDOR WISHING TO OBTAIN AN EQUIPMENT SUBSTITUTION SHALL REQUEST A CLARIFICATION NOT LESS THAN TEN (10) DAYS PRIOR TO THE SUBMISSION OF THE PROPOSAL SO THAT IT MAY BE CONSIDERED AND POTENTIALLY INCLUDED BY ADDENDUM. REQUESTS MADE AFTER THIS PERIOD WILL BE REJECTED.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE REGARDLESS IF CONTRACTOR IS IGNORANT OF CODES, RULES, REGULATIONS, LAWS, ETC. THE CONTRACTOR SHALL ALSO BE VERSED IN ALL CODES, RULES, REGULATIONS, LAWS, ETC. PERTINENT TO THEIR PART OF THE WORK PRIOR TO SUBMISSION OF THE PROPOSAL.
12. ALL WARRANTIES SHALL BEGIN STARTING AT THE PROJECT'S SUBSTANTIAL COMPLETION DATE. ALL EQUIPMENT, MATERIAL AND LABOR WARRANTIES SHALL BE FURNISHED BY THE EQUIPMENT SUPPLIER/VENDOR.
13. WHEREVER WORK PENETRATES ROOFING, IT SHALL BE DONE IN A MANNER THAT WILL NOT DIMINISH OR VOID THE ROOFING GUARANTEE OR WARRANTY IN ANY WAY. COORDINATE ALL SUCH WORK WITH THE ROOFING INSTALLER.
14. DUCTWORK, PIPING AND EQUIPMENT SHALL BE KEPT CLEAN AT ALL TIMES. DUCTWORK STORED ON THE JOB SITE SHALL BE PLACED A MINIMUM OF 4" ABOVE THE FLOOR AND BE COMPLETELY COVERED IN PLASTIC. INSTALLED DUCTWORK SHALL BE PROTECTED WITH PLASTIC. DO NOT INSTALL THE DUCTWORK OR INSULATION (PIPE OR DUCT) IF THE BUILDING IS NOT "DRIED-IN". IF THIS IS REQUIRED, THE ENTIRE LENGTHS SHALL BE COVERED IN PLASTIC TO PROTECT. THE OWNER/ENGINEER SHALL PERIODICALLY INSPECT THAT THESE PROCEDURES ARE FOLLOWED. IF DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL BE REQUIRED TO CLEAN THE DUCT SYSTEM UTILIZING A NADCA CERTIFIED CONTRACTOR.
15. THE PERMANENT SYSTEMS, WHEN INSTALLED, MAY BE USED FOR TEMPORARY SERVICES WITH THE CONSENT OF THE ENGINEER AND IN STRICT ACCORDANCE WITH "GENERAL PROVISIONS - MECHANICAL - TEMPORARY USE OF EQUIPMENT."
16. THE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL INCLUDE IN THE BID TO PROVIDE EQUIPMENT AND CONTROLS STARTUP AND VERIFICATION FOR ALL MECHANICAL SYSTEMS SPECIFIED FOR THIS PROJECT AND IN STRICT ACCORDANCE WITH "GENERAL PROVISIONS - MECHANICAL - EQUIPMENT/CONTROLS STARTUP & VERIFICATION."
17. THE CONTRACTOR SHALL DETERMINE FROM THE CONTRACT DOCUMENTS, THE DATE OF COMPLETION FOR THE PROJECT AND INSURE THAT EQUIPMENT DELIVERY SCHEDULES CAN BE MET SO AS TO ALLOW THIS COMPLETION TO BE MET.
18. THROUGH COORDINATION WITH OTHER CONTRACTORS, VENDORS, AND SUPPLIERS ASSOCIATED WITH THIS PROJECT, THIS CONTRACTOR SHALL INSURE, 100% FUNCTIONAL, TESTED, INSPECTED AND APPROVED SYSTEMS. CLAIMS FOR ADDITIONAL COST OR CHANGE ORDERS WILL BE REJECTED.
19. PRIOR TO ORDERING ANY MATERIALS OR ROUGH-IN OF ANY KIND, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION OF ALL ELECTRICAL REQUIREMENTS (I.E. VOLTAGE, PHASE, CIRCUIT BREAKER, WIRE SIZING, ETC.) WITH THE ELECTRICAL CONTRACTOR. THERE WILL BE NO CHANGE IN THE CONTRACT AMOUNT FOR ANY DISCREPANCIES.
20. ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSERS' DISCRETION.
21. DO NOT SCALE FROM DRAWINGS, PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM CONTRACTOR GENERATED DIMENSIONED DRAWINGS.
22. THE CONTRACTOR SHALL ENSURE PROPER COORDINATION BETWEEN ALL TRADES SUCH THAT CONDUITS, PIPING, DUCTWORK, ETC, DOES NOT BLOCK ACCESS TO VALVES, EQUIPMENT, DUCT ACCESS DOORS, ETC. ITEMS THAT HAVE BEEN INSTALLED WHERE ACCESS IS COMPROMISED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
23. THESE DRAWINGS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE, HOWEVER LOCATIONS AND SIZES WERE TAKEN FROM DIFFERENT SOURCES AND ARE SUBJECT TO DEVIATION. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND INCLUDE OFFSETS, ADDITIONAL PIPING, ETC. AT THE TIME OF BID.
24. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR THEIR WORK. ALL CUTTING AND PATCHING SHALL MATCH ADJACENT SURFACES AND PERFORMED BY SKILLED WORKERS OF THE TRADE. REFER TO SPECIFICATION SECTION "SLEEVING, CUTTING, PATCHING, REPAIRING, ETC." AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
25. ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING.
26. PRIOR TO PURCHASE OR FABRICATION OF PIPING, THE CONTRACTOR SHALL COORDINATE INSTALLATION WITH ACTUAL CONDITIONS AND INSTALL ACCORDINGLY.
27. VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED AT NO ADDITIONAL COST UNDER THE ITEM WHETHER SHOWN OR NOT ON THE PLANS TO ALLOW ACCESS AND ADJUSTMENT.
28. THE CONTRACTOR SHALL VISIT THE SITE FOR EXACT LOCATIONS OF ALL WALL AND CEILING DEVICES. THIS SHALL INCLUDE PLUMBING FIXTURES, CEILING GRILLES AND DIFFUSERS, ETC.
29. CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS AT ALL TIMES DURING CONSTRUCTION.

GENERAL NOTES - DEMOLITION

A. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED AND REINSTALLATION. TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW AT NO ADDITIONAL COST TO OWNER. FIELED VERIFY EXACT REQUIREMENTS.
B. ALL OUTAGES SHALL BE SCHEDULED THROUGH THE PROJECT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.
C. DURING SPRINKLER SYSTEM OUTAGES THE CONTRACTORS SHALL PROVIDE FIRE WATCH OF AREAS WITH OUTAGES.
D. ALL WALLS AND FLOOR SLABS SHALL BE REPAIRED TO MATCH EXISTING AND TO A LIKE NEW CONDITION. ALL RATED WALLS AND FLOOR SLABS SHALL BE PATCHED AND REPAIRED TO MAINTAIN RATING.
E. ALL EXISTING BUILDING FINISHES SHALL BE PROTECTED DURING THE DEMOLITION PHASE.
F. HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (U.O.N) AND LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
G. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.

ABBREVIATIONS

ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
APD	AIR PRESSURE DROP
AVG	AVERAGE
BAS	BUILDING AUTOMATION SYSTEM
BHP	BREAK HORSEPOWER
BTU	BRITISH THERMAL UNIT
CAV	CONSTANT AIR VOLUME
CFM	CUBIC FEET PER MINUTE
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROLS
DN	DOWN
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EWT	ENTERING WATER TEMPERATURE
FA	FREE AREA
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FSD	FIRE SMOKE DAMPER
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GR	GRAINS
HD	HEAD
HP	H (-ORSEPOWER, -EAT PUMP)
ID	I (-DENTIFICATION, -NSIDE DIAMETER, -NSIDE DIMENSION)
kW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MBH	BTU PER HOUR [THOUSANDS]
MCA	MINIMUM CIRCUIT AMPS
MFG	MANUFACTURER
MOCP	MAXIMUM OVERCURRENT PROTECTION [AMPS]
NC	NOISE CRITERIA **OR** NORMALLY CLOSED

ABBREVIATIONS (CONTINUED)

NO	NORMALLY OPEN **OR** NUMBER
NTS	NOT TO SCALE
OD	OUTSIDE DI (-AMETER, -MENSION)
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE [ELECTRICAL]
PPM	PARTS PER MILLION
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
RH	RELATIVE HUMIDITY [%]
RPM	REVOLUTIONS PER MINUTE
SD	SMOKE DAMPER
SP	STATIC PRESSURE
SQ FT	SQUARE FEET **OR** FOOT
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLT (-AGE, -S)
VAR	VARI (-ABLE, -IES)
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FEQUENCY DRIVE
W	WATT (-AGE, -S)
WB	WET BULB
WPD	WATER PRESSURE DROP
ΔP	DIFFERENTIAL PRESSURE
ΔT	TEMPERATURE DIFFERENCE
℄	CENTERLINE

GENERAL SYMBOLS

(#)	TAGGED NOTE DESIGNATOR
1	REVISION TRIANGLE
ROOM NAME (RM #)	ROOM TAG
XXX-X	EQUIPMENT TAG
	POINT OF CONNECTION / CONNECT TO EXISTING
	POINT OF DEMOLITION

PHASING NOTES

A. THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, MAIN GAS SERVICE, WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, STEAM GENERATION, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BARE ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.

HAZARDOUS MATERIALS NOTES

A. THE CONTRACTOR IT IS HEREBY ADVISED THAT IS POSSIBLE THAT ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS ARE OR WERE PRESENT IN THIS BUILDING(S). ANY WORKER, OCCUPANT, VISITOR, ETC., WHO ENCOUNTERS ANY MATERIAL OF WHOSE CONTENT THEY ARE NOT CERTAIN SHALL PROMPTLY REPORT THE EXISTENCE AND LOCATION OF THAT MATERIAL TO THE OWNER. FURTHERMORE, THE CONTRACTOR SHALL INSURE THAT NO ONE COMES NEAR TO OR IN CONTACT WITH ANY SUCH MATERIAL OR FUMES THEREFROM UNTIL ITS CONTENT CAN BE ASCERTAINED TO BE NON-HAZARDOUS.
B. CMTA, INC. HAS NO EXPERTISE IN THE DETERMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL, THEREFORE, NO ATTEMPT HAS BEEN MADE BY CMTA TO IDENTIFY THE EXISTENCE OR LOCATION OF ANY SUCH HAZARDOUS MATERIAL. FURTHERMORE, CMTA NOR ANY AFFILIATE HEREOF WILL NOT OFFER OR MAKE ANY RECOMMENDATIONS RELATIVE TO THE REMOVAL, HANDLING OR DISPOSAL OF SUCH MATERIAL.
C. IF THE WORK WHICH IS TO BE PERFORMED INTERFACES, CONNECTS OR RELATES IN ANY PHYSICAL WAY WITH OR TO EXISTING COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIAL, ASBESTOS BEING ONE, THEN IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE OWNER AND SO ADVISE HIM/HER IMMEDIATELY.
D. THE CONTRACTOR BY EXECUTION OF THE CONTRACT FOR ANY WORK AND/OR BY THE ACCOMPLISHMENT OF ANY WORK THEREBY AGREE TO BRING NO CLAIM RELATIVE TO HAZARDOUS MATERIALS FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY, OR ANY OTHER SUCH ITEM AGAINST CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS OR CONSULTANTS. ALSO, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM ANY SUCH RELATED CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS OR ANY OTHER THIRD PARTIES.
E. THE CONTRACTOR IS DIRECTED TO THE SPECIFICATIONS FOR FURTHER INFORMATION.

HVAC LEGEND

	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR DIFFUSER
	TRANSFER AIR GRILLE W/ SOUND ATTENUATING BOOT
	SIDEWALL DIFFUSER/GRILLE
TAG AIRFLOW	AIR DEVICE TAG (REGISTER, GRILLE, DIFFUSER,LOUVER)
##/##	RECTANGULAR DUCT
#ø	ROUND/SPIRAL DUCT
##/##ø	FLAT OVAL DUCT
SA	SUPPLY AIR DUCT
RA	RETURN AIR DUCT
EA	EXHAUST AIR DUCT
OA	OUTSIDE AIR DUCT
TA	TRANSFER AIR DUCT
CAE	COMBUSTION AIR EXHAUST DUCT
CAI	COMBUSTION AIR INTAKE DUCT
SA	SA AIR DUCT TURNING UP
SA	SA AIR DUCT TURNING DOWN
RA	RA AIR DUCT TURNING UP
RA	RA AIR DUCT TURNING DOWN
EA	EA AIR DUCT TURNING UP
EA	EA AIR DUCT TURNING DOWN
E(XXX)	EXISTING DUCT - (XXX) DENOTES SYSTEM
D(XXX)	DUCT TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
A(XXX)	DUCT TO BE ABANDONED IN PLACE - (XXX) DENOTES SYSTEM
	MITERED ELBOW WITH TURNING VANES
	FLEXIBLE DUCT
T	THERMOSTAT
T	TEMPERATURE SENSOR
H	HUMIDITY SENSOR
C	CARBON DIOXIDE SENSOR
TC	TEMPERATURE & CARBON DIOXIDE SENSOR
VERT. HORIZ.	MANUAL BALANCING/VOLUME DAMPER
VERT. HORIZ.	MOTORIZED DAMPER

MECHANICAL PIPING LEGEND

	PIPE ELBOW TURNING UP
	PIPE ELBOW TURNING DOWN
	PIPE TEE; CONNECTION ON TOP
	PIPE TEE; CONNECTION ON BOTTOM
	PIPE CAP
CD	CONDENSATE DRAIN
CHWS/R	CHILLED WATER SUPPLY/RETURN
CWS/R	CONDENSER WATER SUPPLY/RETURN
DTS/R	DUAL TEMP. WATER SUPPLY/RETURN
GS/R	GEOTHERMAL WATER SUPPLY/RETURN
HPC	HIGH PRESSURE STEAM CONDENSATE
HPS(#)	HIGH PRESSURE STEAM; (#) DENOTES PRESSURE
HPS/R	HEAT PUMP WATER SUPPLY/RETURN
HRS/R	HEAT RECOVERY SUPPLY/RETURN PIPING
HWS/R	HEATING WATER SUPPLY/RETURN
LPC	LOW PRESSURE STEAM CONDENSATE
LPS(#)	LOW PRESSURE STEAM; (#) DENOTES PRESSURE
MPC	MEDIUM PRESSURE STEAM RETURN
MPS(#)	MEDIUM PRESSURE STEAM; (#) DENOTES PRESSURE
SVT	STEAM VENT PIPING
D(XXX)	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
E(XXX)	EXISTING PIPING - (XXX) DENOTES SYSTEM

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED ON THIS PROJECT

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KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

MECHANICAL LEGEND

22-106

M001

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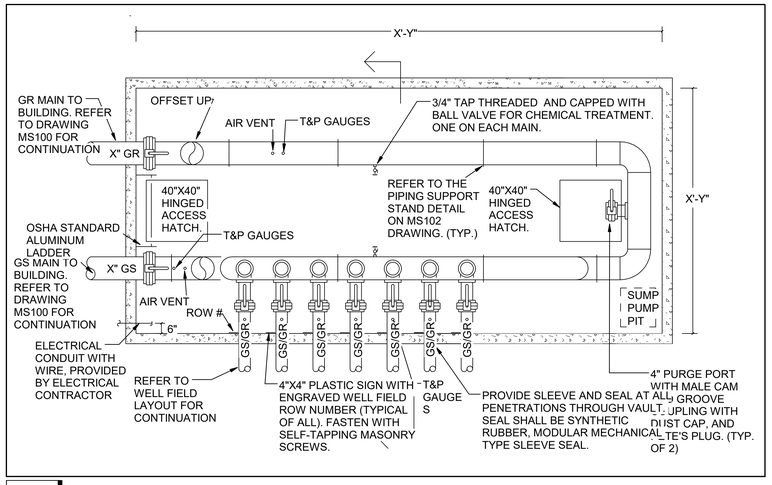
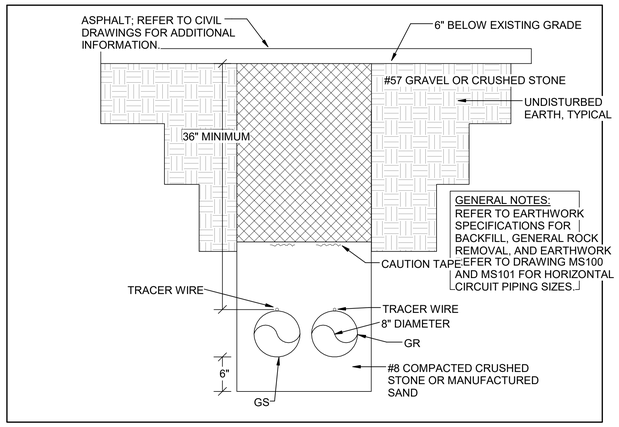


4 GEOTHERMAL DISTRIBUTION VAULT #1 DETAIL

M100 SCALE: NOT TO SCALE



3 GEOTHERMAL MAINS TRENCHING DETAIL

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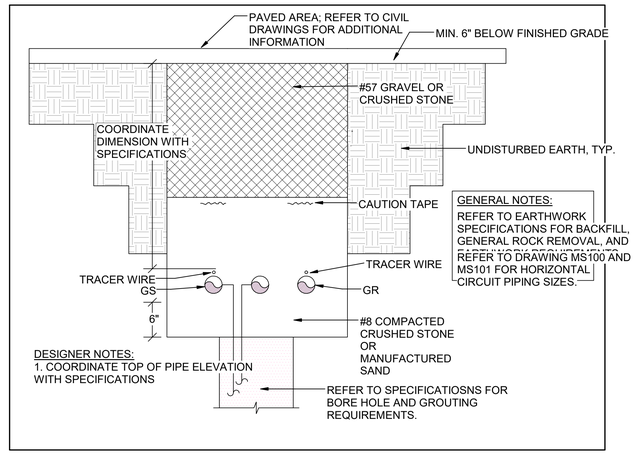

2 TYPICAL GEOTHERMAL TRENCH DETAIL FOR PAVED AREAS

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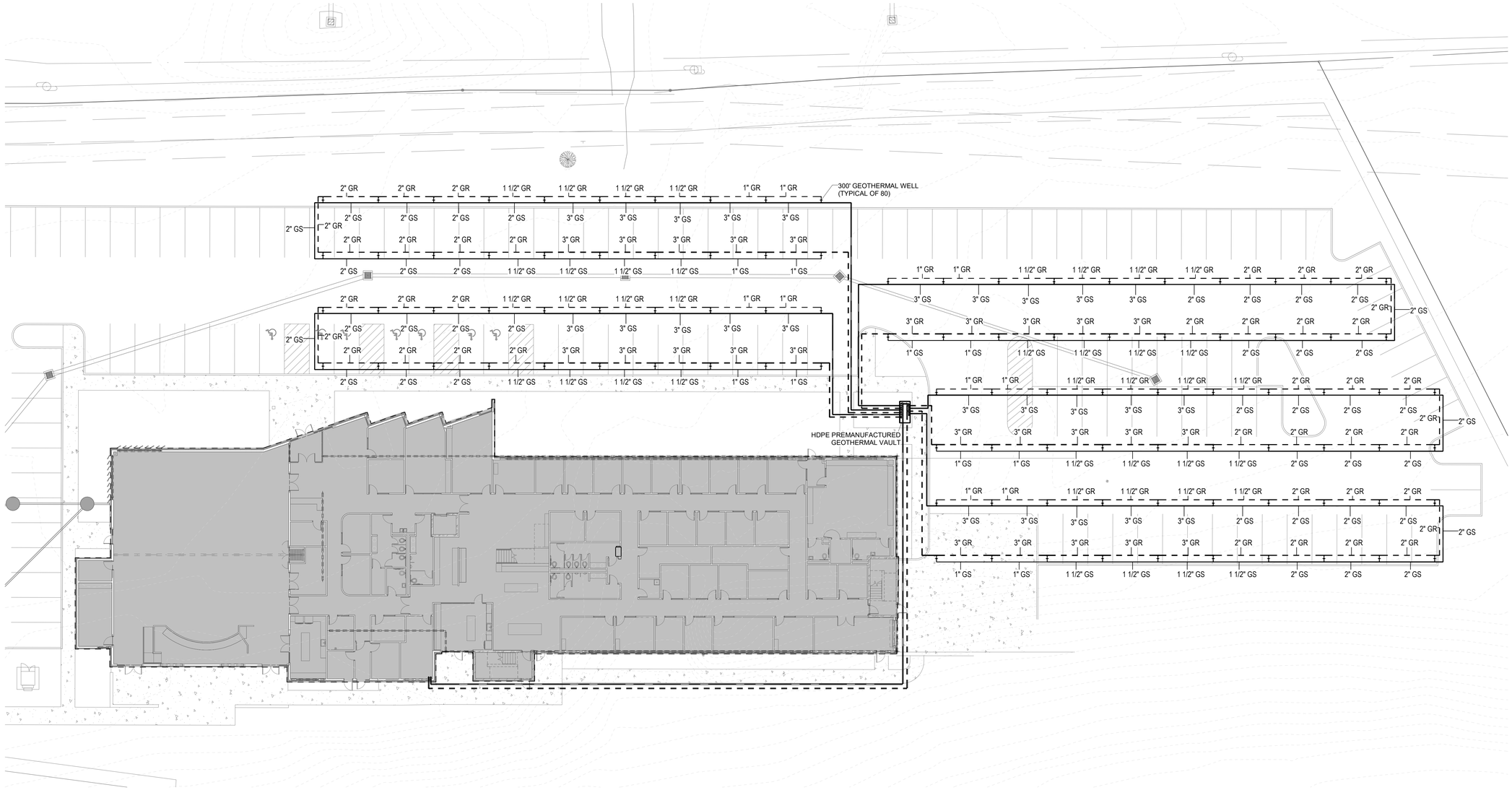

MAGNETIC PLAN

1 SITE UTILITY PLAN

M100 SCALE: 1/16" = 1'-0"

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MECHANICAL SITE UTILITY PLAN

22-106

M100

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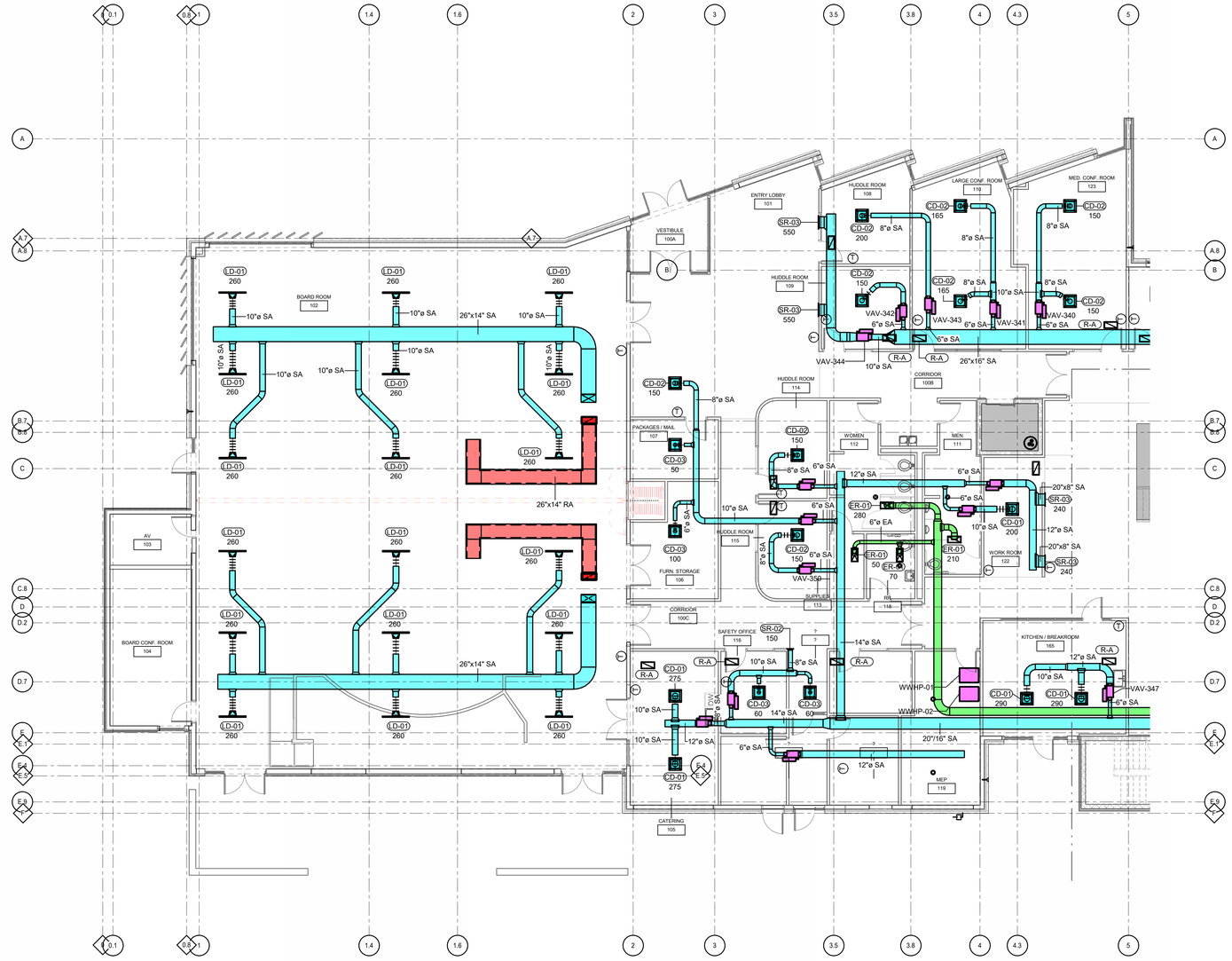
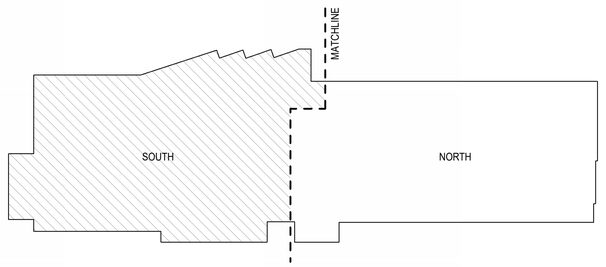


MAGNETIC PLAN

1 FIRST FLOOR - DUCTWORK PLAN - SOUTH

M101A SCALE 1/8" = 1'-0"



KEY PLAN

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FIRST FLOOR HVAC PLAN - SOUTH

22-106

M101A

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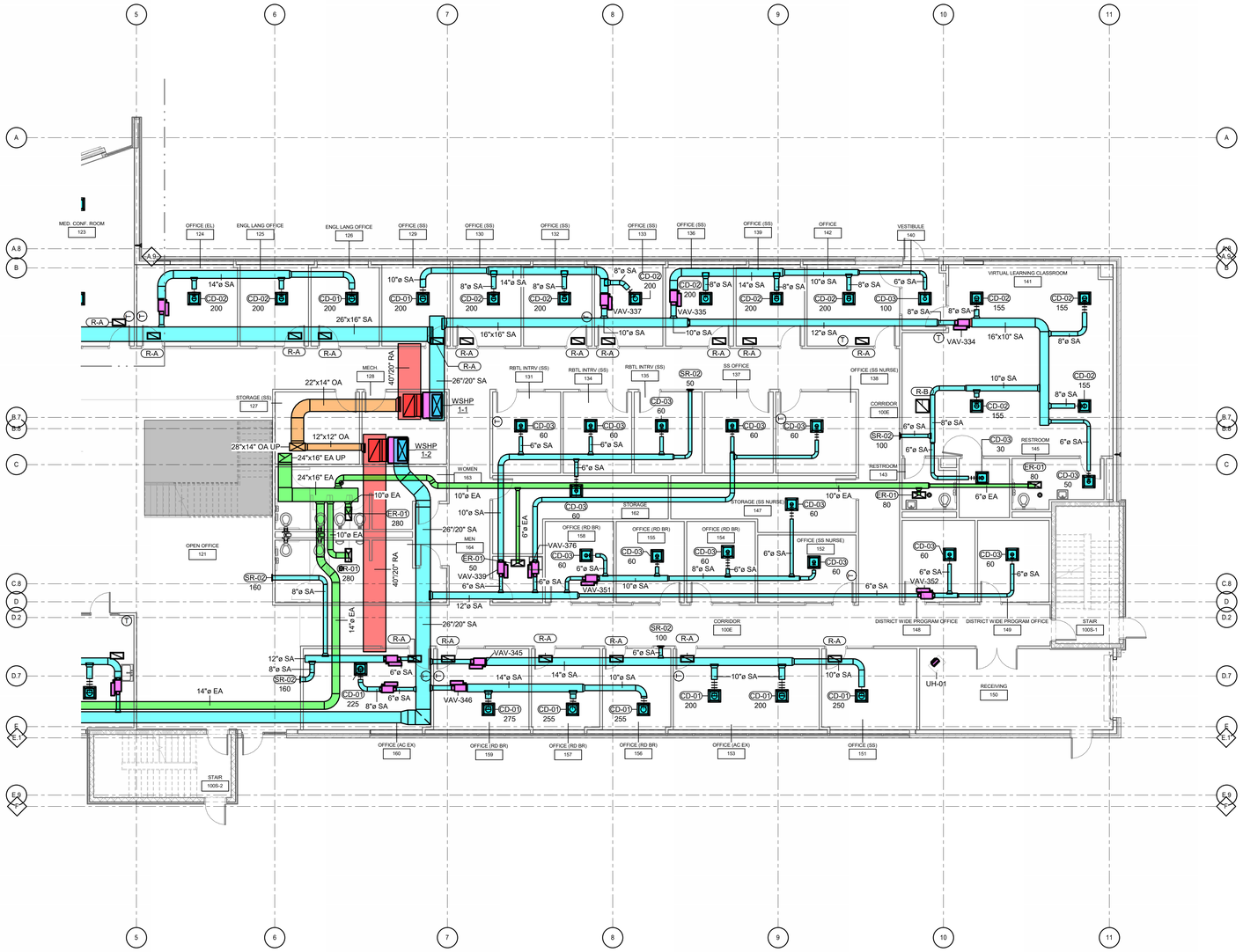
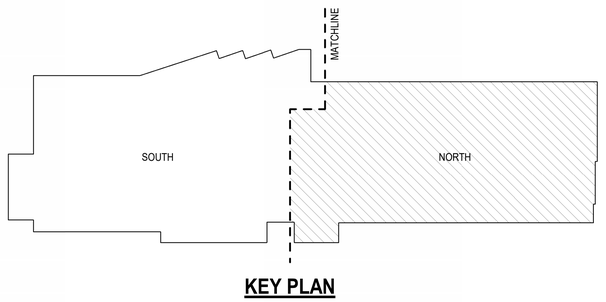


MAGNETIC PLAN

1 FIRST FLOOR - DUCTWORK PLAN - NORTH

M101B SCALE 1/8" = 1'-0"



KEY PLAN

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FIRST FLOOR HVAC PLAN - NORTH

22-106

M101B

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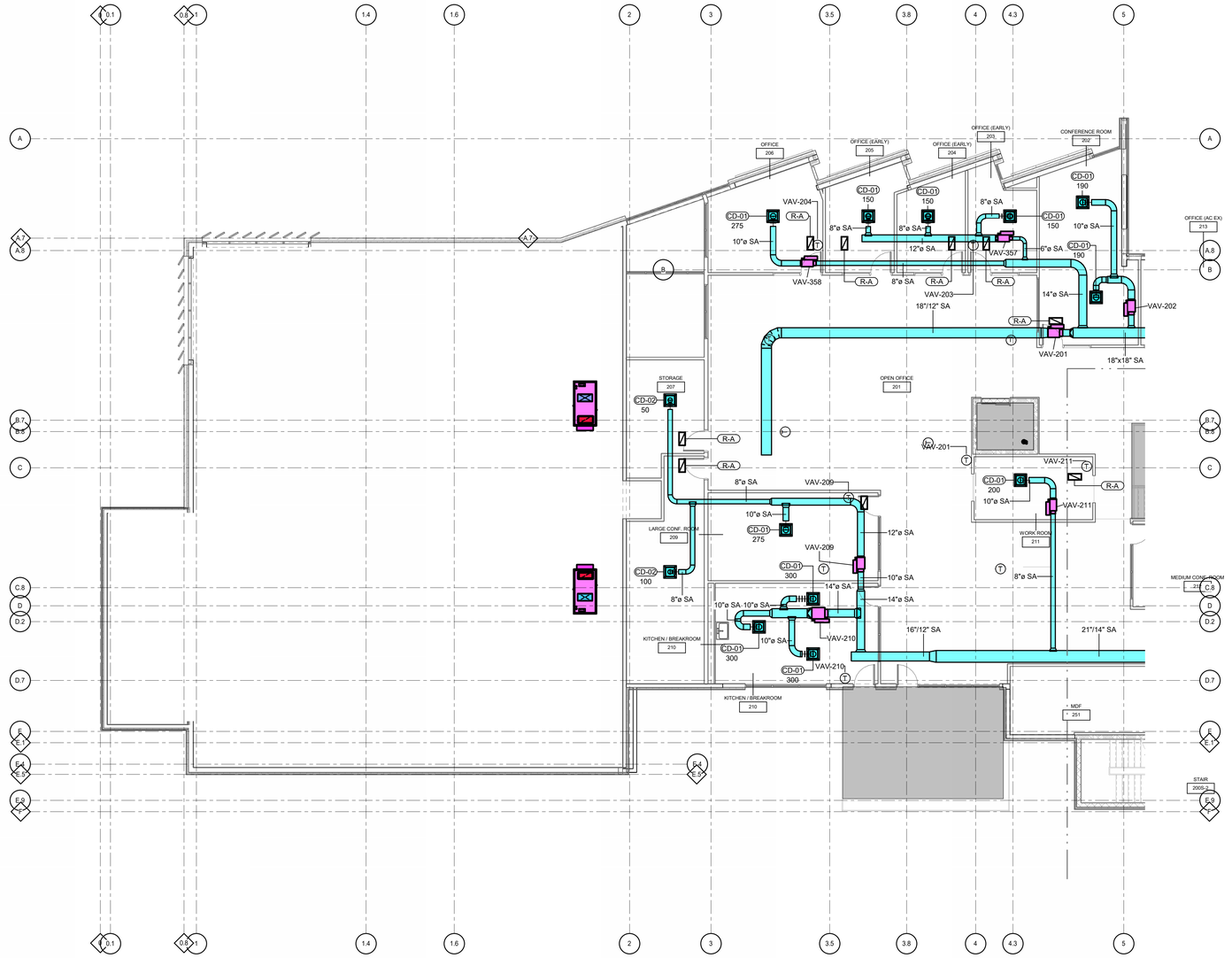
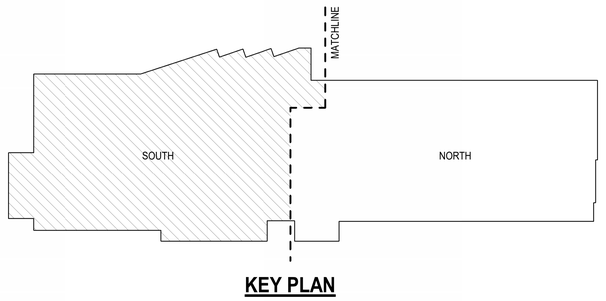


MAGNETIC PLAN

1 SECOND FLOOR - DUCTWORK PLAN - SOUTH

M102A SCALE1/8" = 1'-0"



KEY PLAN

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NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
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SECOND FLOOR HVAC PLAN - SOUTH

22-106

M102A

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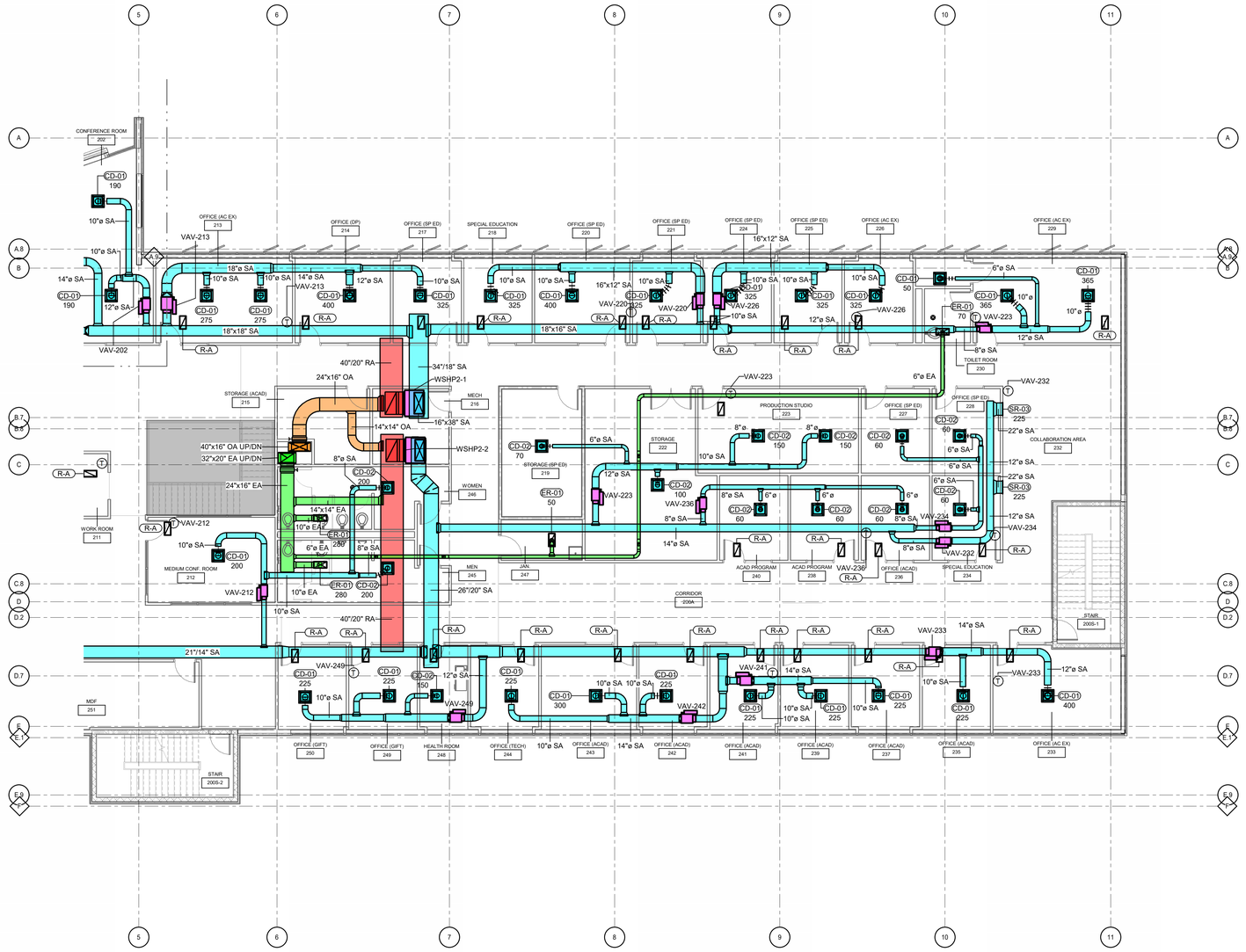
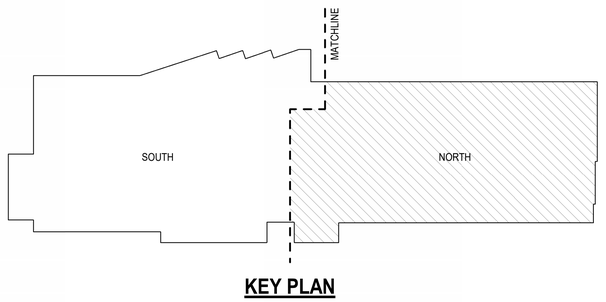


MAGNETIC PLAN

1	SECOND FLOOR - DUCTWORK PLAN - NORTH
M102B	SCALE 1/8" = 1'-0"



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SECOND FLOOR HVAC PLAN - NORTH

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M102B

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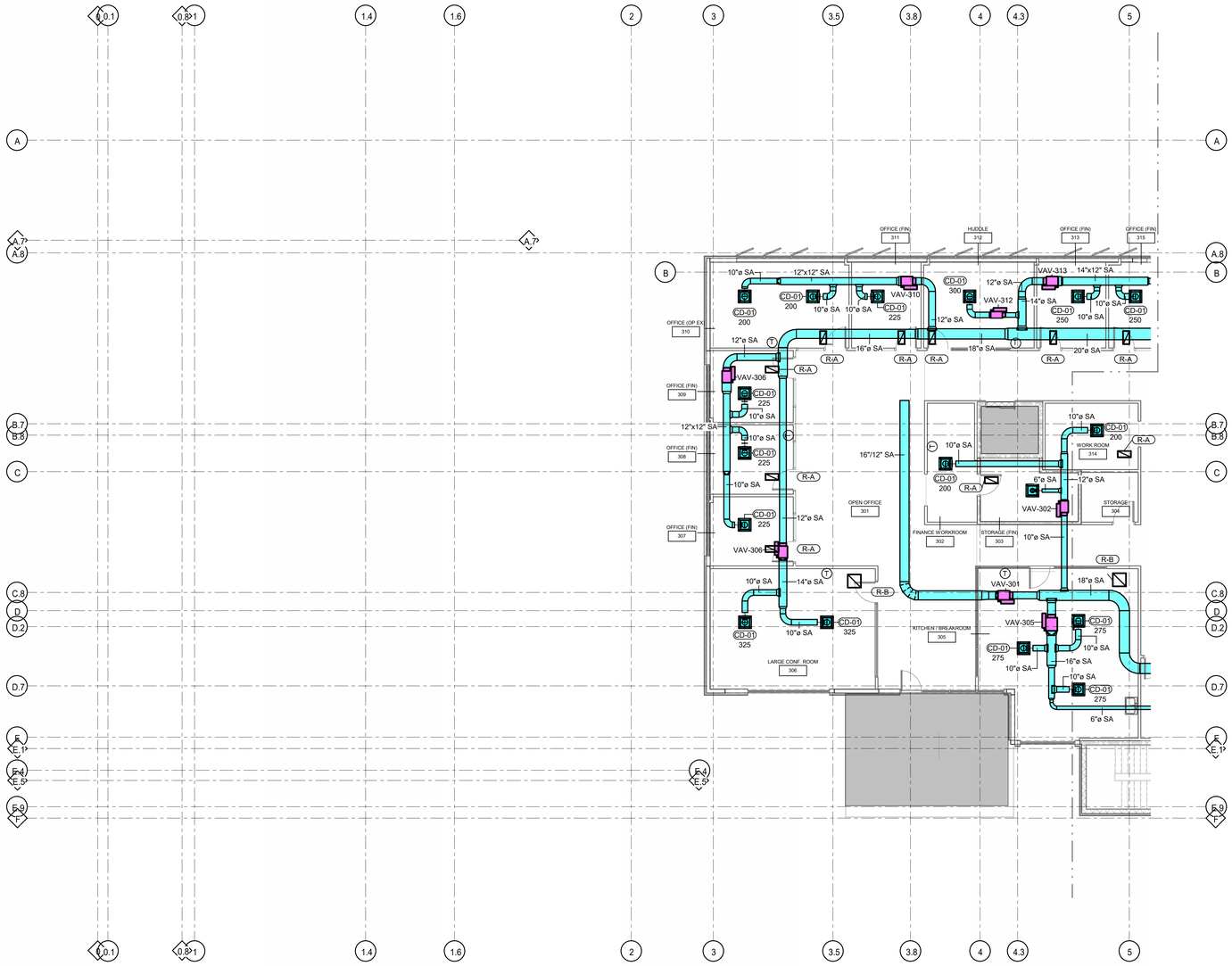
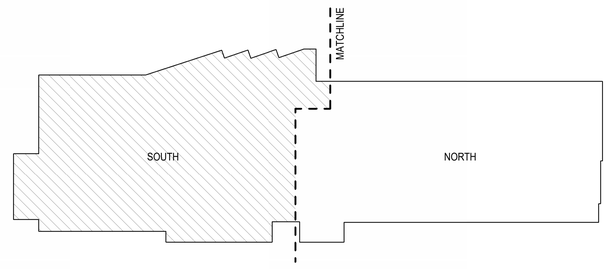


MAGNETIC PLAN

1 THIRD FLOOR - DUCTWORK PLAN - SOUTH

M103A SCALE: 1/8" = 1'-0"



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THIRD FLOOR HVAC PLAN - SOUTH

22-106

M103A

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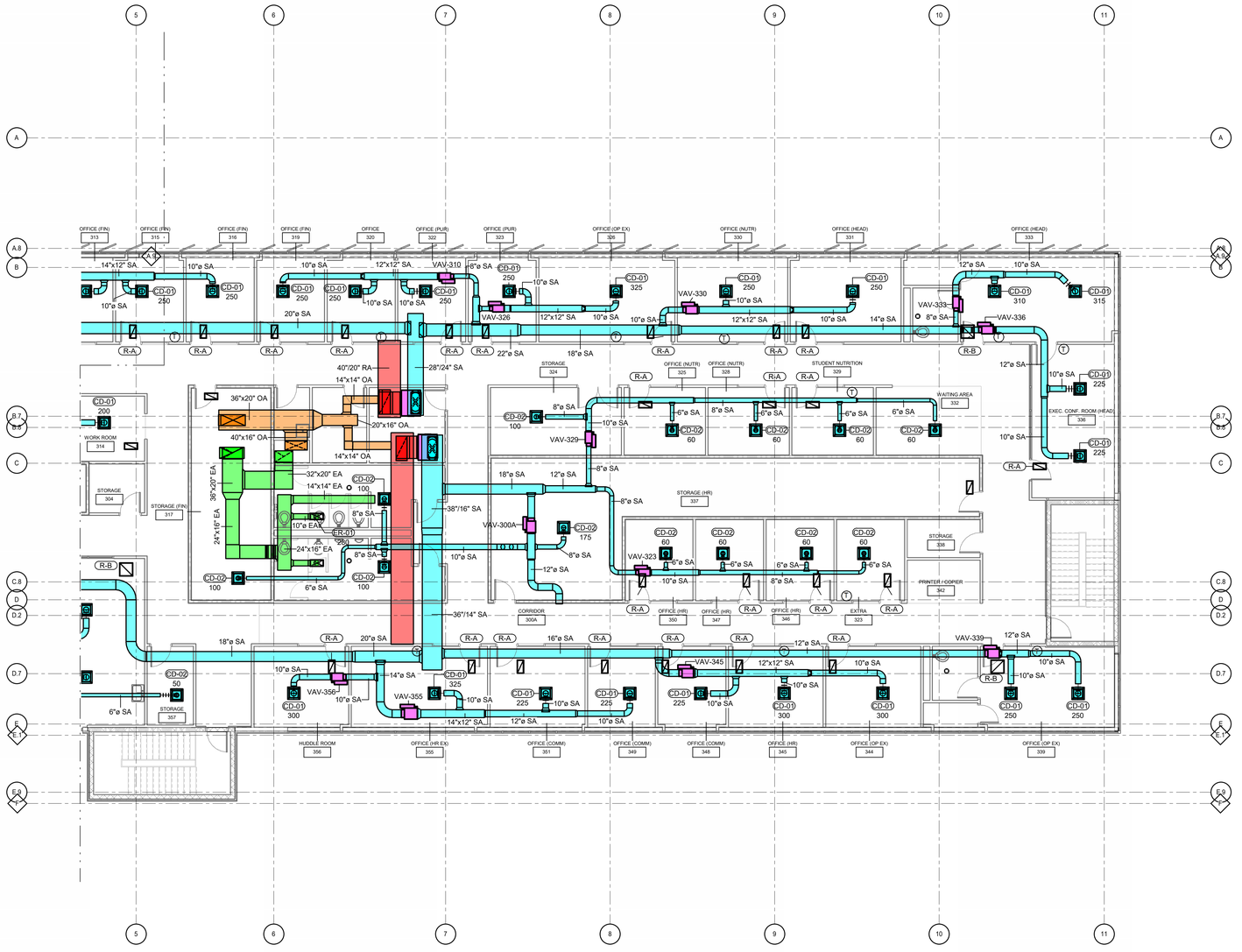
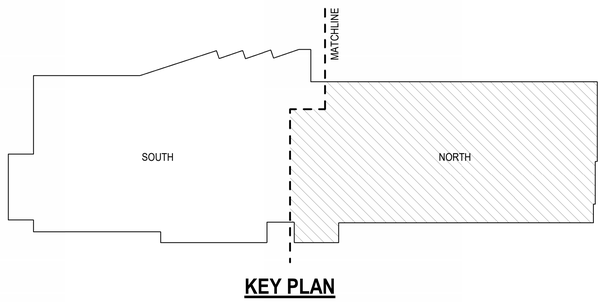


MAGNETIC PLAN

1 THIRD FLOOR - DUCTWORK PLAN - NORTH

M103B SCALE: 1/8" = 1'-0"



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THIRD FLOOR HVAC PLAN - NORTH

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M103B

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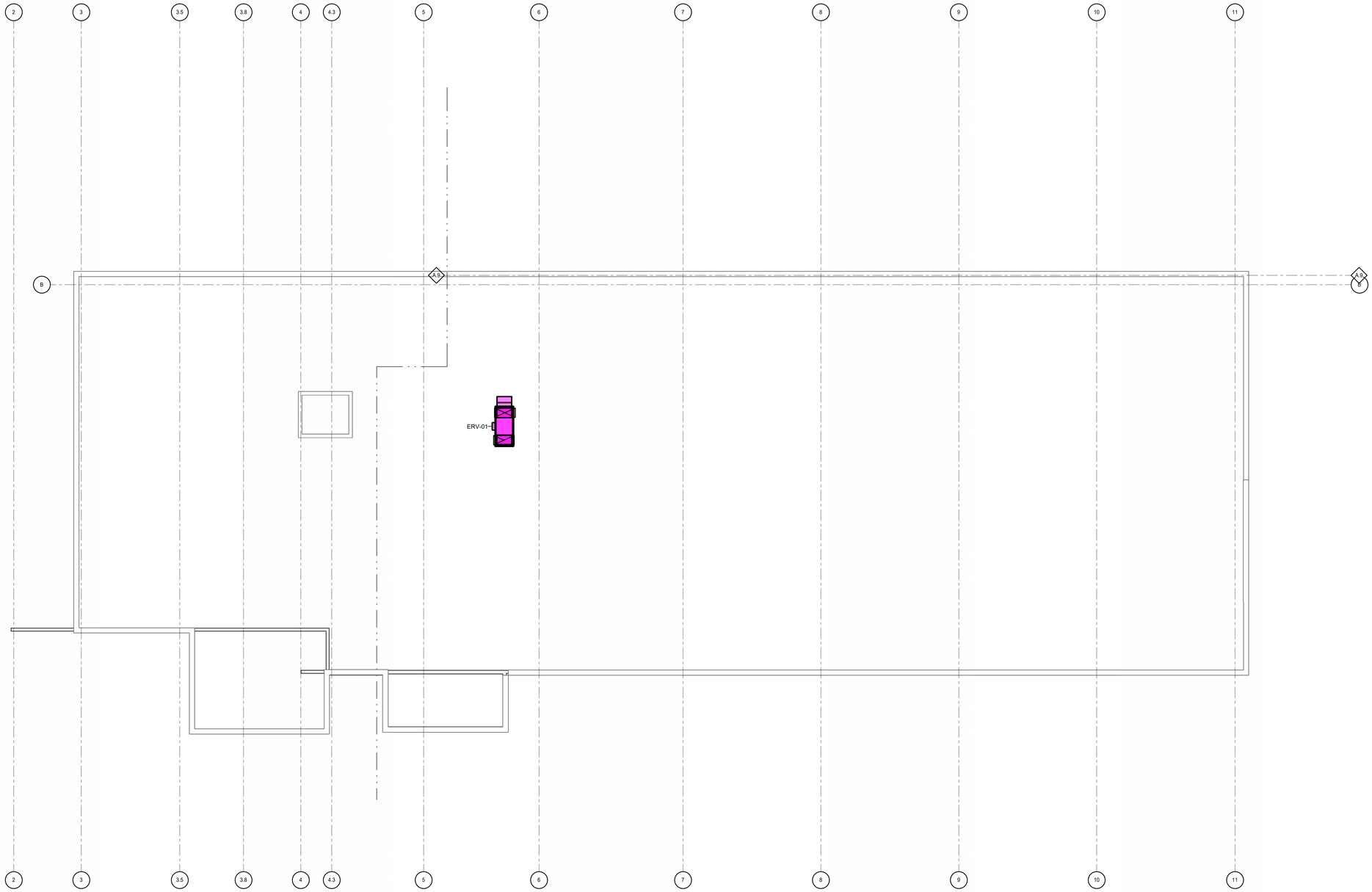
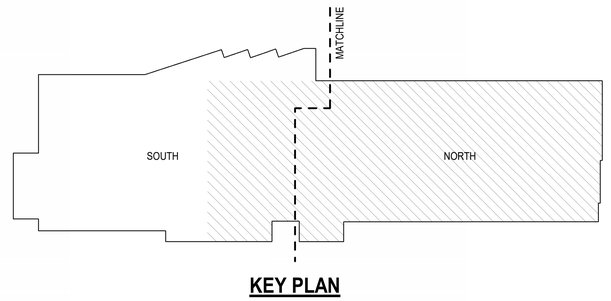


MAGNETIC PLAN

1 ROOF
M104 SCALE1/8" = 1'-0"



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HVAC ROOF PLAN

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M104

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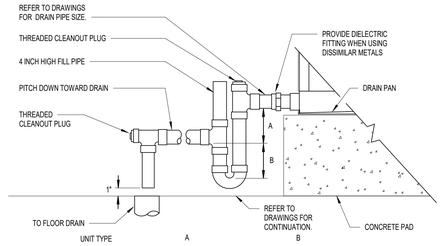
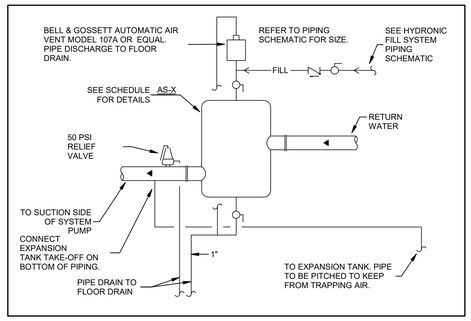


UNIT TYPE	A	B
BLOW THRU	1" MINIMUM	ZX
DRAW THRU	Z" PLUS X	X

WHERE X = STATIC PRESSURE IN P.A. A & B ARE PER HVAC MANUFACTURERS RECOMMENDATIONS.

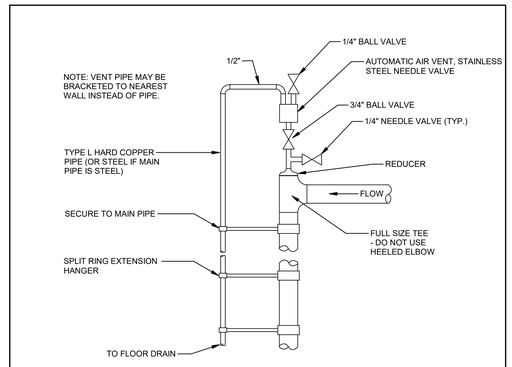
1 AIR HANDLING UNIT DRAIN TRAP DETAIL

M200 SCALE: NOT TO SCALE



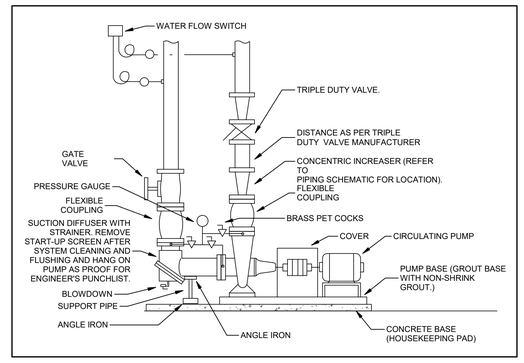
2 AIR SEPARATOR TANK DETAIL

M200 SCALE: NOT TO SCALE



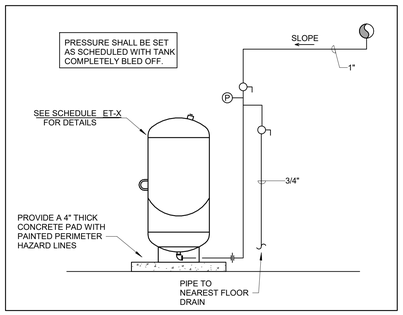
3 AUTOMATIC AIR VENT DETAILS - 3" & SMALLER

M200 SCALE: NOT TO SCALE



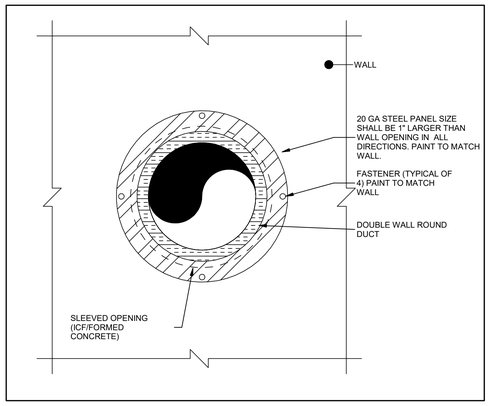
4 BASE MOUNTED PUMP PIPING DETAIL

M200 SCALE: NOT TO SCALE



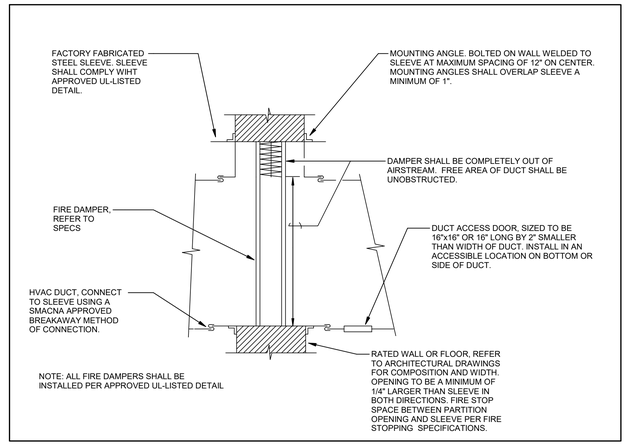
5 EXPANSION TANK PIPING DETAIL

M200 SCALE: NOT TO SCALE



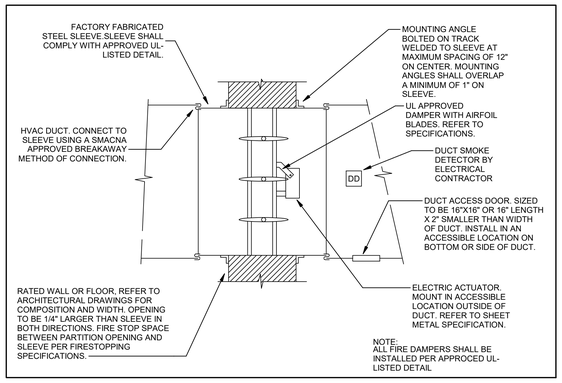
6 EXPOSED DUCT WALL PENETRATION DETAIL

M200 SCALE: NOT TO SCALE



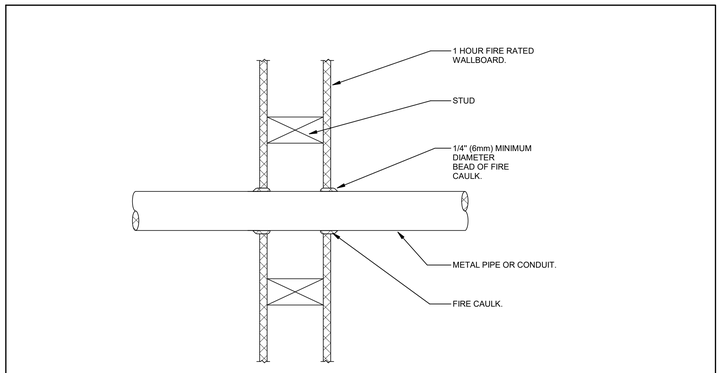
7 FIRE DAMPER DETAIL

M200 SCALE: NOT TO SCALE



8 FIRE/SMOKE DAMPER DETAIL

M200 SCALE: NOT TO SCALE

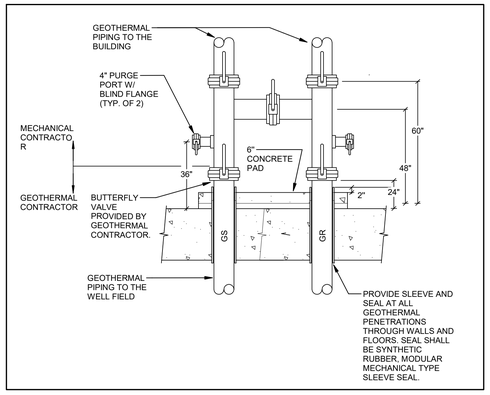


NOTES

1. FORCE THE CAULK INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE, FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE.
2. FINISH CAULKING WITH A 1/4" (6mm) MINIMUM BEAD CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT ITS EGRESS FROM THE WALL.
3. THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (5mm). (IF IT DOES PATCH WALL AND PENETRATE WALL AT ANOTHER LOCATION).
4. INSTALL THE FIRESTOP ON BOTH SIDES OF THE WALL.
5. FIRE STOPPING IS CRITICAL AND MUST BE ACCOMPLISHED. ALL PIPES MUST BE FIRESTOPPED WHERE THEY PENETRATE FIRE RESISTIVE, FIRE RATED, AND SMOKE RESISTIVE WALLS OR FLOORS.
6. ALL PENETRATIONS WILL BE REVIEWED BY THE ENGINEER. PRIOR TO INSPECTION ALL CEILING TILES BENEATH THE PENETRATIONS SHALL BE REMOVED BY THE CONTRACTOR.

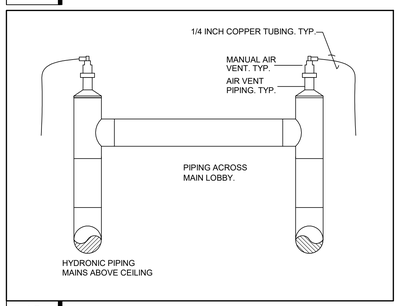
9 PENETRATION FIRESTOP FOR METAL PIPE/CONDUIT THROUGH ONE HOUR WALL

M200 SCALE: NOT TO SCALE



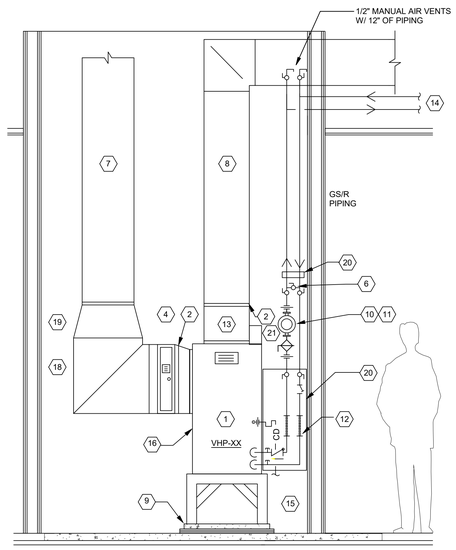
13 GEOTHERMAL PURGE PORT DETAIL

M200 SCALE: NOT TO SCALE



12 GEOTHERMAL PIPING AIR VENT DETAIL

M200 SCALE: NOT TO SCALE



HEAT PUMP DETAIL TAG NOTES: (X)

1. VERTICAL HEAT PUMP UNIT. DO NOT BLOCK ACCESS PANEL FOR HEAT PUMP UNIT WITH ANY OBJECT.
2. PROVIDE FLEXIBLE CANVAS CONNECTIONS AT UNIT CONNECTION. TRANSITION DUCTWORK TO UNIT OPENING AS NEEDED.
4. SIDE ACCESS FILTER SECTION. REFER TO SPECIFICATION
6. PROVIDE FULLSIZE BYPASS CONNECTION FROM SUPPLY TO RETURN PIPING FOR FLUSHING AND AIR REMOVAL. CLOSE BYPASS VALVE UPON COMPLETION OF FLUSHING AND PURGING. FLUSH PRIOR TO OPERATION. DO NOT CONNECT ANY UNITS UNTIL FLUSHING IS COMPLETE.
7. RETURN DUCTWORK. REFER TO DRAWINGS FOR DUCT SIZE.
8. SUPPLY DUCTWORK. REFER TO DRAWINGS FOR DUCT SIZE.
9. MOUNT UNIT ON 24" TALL 2X2X2 PAINTED ANGLE IRON STAND. PROVIDE MOUNTING BRACKETS WITH VIBRATION ISOLATING GROMMETS TO SECURE UNIT TO STAND. BOLT STAND TO FLOOR SLAB (OR CONCRETE PAD WHERE INDICATED ON FLOOR PLANS.) PROVIDE VIBRATION ISOLATION NEOPRENE PAD BETWEEN BOTTOM OF UNIT AND STAND.
12. FLEXIBLE HOSE KITS, HOSE KITS SIZE SHALL MATCH PIPE RUN OUT SIZE SCHEDULED. TRANSITION DOWN AT UNIT AS REQUIRED. REFER TO SPECIFICATION FOR FURTHER REQUIREMENTS.
13. TRANSITION FROM FULL SIZE OF UNIT OUTLET TO DUCT SIZE INDICATED ON THE DRAWINGS.
14. REFER TO DRAWINGS FOR CONTINUATION OF PIPING. REFER TO THE PIPING RUNOUT SCHEDULE FOR SIZING.
15. DESIGNER EDIT: (STORM/SAN) ROUTE CONDENSATE DRAIN TO NEAREST FLOOR DRAIN. REFER TO PIPING RUNOUT SCHEDULE FOR SIZING. ENSURE ALL CONDENSATE PIPING IS INSTALLED SO AS NOT TO CREATE A TRIP HAZARISTRAP/SECURE PIPING TO FLOOR/WALL AS REQUIRED. REFER TO THE PIPING RUNOUT SCHEDULE FOR SIZING.
16. MAINTAIN MANUFACTURER'S REQUIRED CLEARANCE ON SIDE OF HEAT PUMP TO ALLOW FOR MAINTENENCE ACCESS.
18. PROVIDE TRANSITION ELBOW WITH VANES FROM SIDE ACCESS FILTER TO RETURN DUCT DEPTH.
19. TRANSITION DUCT FROM ELBOW TO DUCT SIZE INDICATED ON PLANS.
20. SECURELY SUPPORT PIPING FROM WALL. UTILIZE VIBRATION ISOLATION SUPPORTS AT PIPING SUPPORT.
10. INLINE PUMP. REFER TO PUMP SCHEDULE FOR SIZE.
11. INSTALL BOTTOM OF PUMP ~36" AFF. PROVIDE UNIT STRUT WITH RUBBER COATED RING CLAMPS WITH THREADED ROD FOR SUPPORTING PIPING AND PUMP.
21. DESIGNER EDIT: FACTORY MOUNTED DISCONNECT.

16 VERTICAL HEAT PUMP INSTALLATION DETAIL

M200 SCALE: NOT TO SCALE

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NO.	DESCRIPTION	DATE
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HVAC DETAILS

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ROOM OUTSIDE AIR REQUIREMENT SCHEDULE

ROOM	OUTSIDE AIR REQUIREMENT (CFM)
Virtual Learning 141	240
Safe Room 143	28
Restroom 145	0
Restroom 144	0
Conference Medium 123	136
Office 142	13
Office (SS) 136	11
Office (SS) 137	11
Office (SS) 140	12
Office (EL) 124	15
Office (Eng Lang) 125	11
Office (Eng Lang) 126	11
Conference Huddle Room 108	57
Office (SS) 129	11
Office (SS) 130	11
Office (SS) 132	11
Office (SS) 133	11
Conference Huddle Room 109	48
Office (SS Nurse) 139	11
Office (SS) 138	11
Office (RB INT SS) 135	11
Office (RB INT SS) 131	11
Office (RB INT SS) 134	11
Packages/Mail 107	10
Corridor 100B	21
Restroom 111	0
Restroom 112	0
Corridor 100E	64
Storage 127	19
Storage 128	20
Janitor 160	7
Storage (SS Nurse) 146	52
Vestibule 100A	8
Lobby 101	689
Conference Huddle 115	42
Conference Huddle 114	43
Conference Large 110	130
Kitchen/Breakroom 163	131
Vestibule 100D	4
Catering 105	116
Office (RD BR) 156	11
Office (AC EX) 159	21
Office (RD BR) 158	16
Office (RD BR) 155	11
Office (SS) 150	16
Office (AC EX) 152	24
Office (Dist Wide Prog) 148	10
Office (Dist Wide Prog) 147	13
Office (SS Nurse) 151	13
Office (RD BR) 157	11
Office (RD BR) 154	11
Office (RD BR) 153	11
Office (Safety) 117	10
Office (Safety) 116	10
Corridor 100C	41
Storage 113	6
Restroom 118	0
MEP 119	0
Elec 120	0
Corridor 100E	44
Restroom 162	0
Restroom 161	0
Open Office 121	155
Workroom 122	12
Conference Board Room 104	90
AV 103	0
Assembly Board Room 102	1,473
Storage 106	21
Storage	6
Office (SP ED) 221	12
Office (SP ED) 218	11
Office (SP ED) 220	15
Office (SP ED) 217	12
Office (AC EX) 213	22
Office (DP) 214	16
Office (AC EX) 229	26
Storage	3
Restroom 230	0
Office (AC EX) 226	12
Office (SP ED) 224	11
Office (SP ED) 225	12
Collaboration Area 232	34
Corridor 200A1	39
Storage 215	24
Storage 216	17
Storage 219	31
Storage 222	64
Office 206	20
Conference 202	119
Production Studio 223	26
Office (SP ED) 227	12

ROOM	OUTSIDE AIR REQUIREMENT (CFM)
Office (SP ED) 228	12
Office (Early) 204	11
Office (Early) 205	13
Office (Early) 203	12
Open Office 201a	170
Work Room 211	15
Storage 208	59
Storage 207	20
Office (Gift) 249	11
Storage (Health Room) 248	13
Office (Gift) 250	12
Office (ACAD) 233	21
Office (ACAD) 235	11
Office (ACAD) 241	11
Office (ACAD) 237	11
Office (ACAD) 239	11
Office (Tech) 244	11
Office (ACAD) 242	11
Office (ACAD) 243	16
Kitchen /Breakroom 210	142
ACAD Program 238	12
ACAD Program 240	11
Office (ACAD) 236	12
Office (ACAD) 234	12
Conference Medium 212	72
Corridor 200A3	64
Corridor 200A2	30
Janitor 247	11
Restroom 246	0
Restroom 245	0
Conference (Large) 209	99
Open Office 201b	99
Office (Nutr) 325	11
Office (Nutr) 328	11
Office (Nutr) 329	11
Corridor 300A1	77
Storage (PUR)	16
MECH 318	0
Janitor 354	12
Waiting Area 332	14
Storage 324	28
Storage (FIN) 317	52
Office (OP EX) 310	22
Office (Fin) 311	12
Conference (Large) 306	134
Conference Room 336	87
Office (Fin) 309	11
Office (Fin) 307	11
Office (Fin) 308	11
Office (Fin) 315	12
Office (Fin) 316	11
Office (Fin) 313	12
Office (Nutr) 330	14
Office (HEad) 331	11
Office (Extra) 327	11
Office (Extra) 323	11
Office (326)	22
Office (COMM) 322	12
Office 320	11
Office (Fin) 319	12
Conference Huddle 312	62
Office (Head) 333	28
Storage	3
Restroom 334	0
Office (HR) 350	11
Office (HR) 347	11
Office (HR) 346	11
Office (Admin HR) 343	11
Workroom 314	12
Workroom (Finance) 302	11
Storage 303	18
Kitchen/Breakroom 305	202
Conference 356	74
Office (OP EX) 344	16
Office (HR) 345	16
Office (Pur) 348	11
Office (OP EX) 355	20
Office (Extra) 351	11
Office (Pur) 349	12
Office (OP EX) 339	23
Restroom 340	0
Storage	4
Open Office 301	110
Corridor 300A2	73
Storage 357	12
Restroom 352	0
Restroom 353	0
Storage 337	118
Storage 338	9
Printer / Copier 342	6

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COVINGTON, KY
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HVAC SCHEDULES

22-106

M300

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A. EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
B. ADDITIONAL ELECTRICAL REQUIREMENTS MAY BE SHOWN ON PLANS FROM OTHER DISCIPLINES IN THIS SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS.
C. WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES. INCLUDING BUT NOT LIMITED TO NFPA 70 (NEC), NFPA 72, INTERNATIONAL BUILDING CODES, ETC.
D. CONTRACTOR SHALL FOLLOW SEISMIC RESTRAINT AND DESIGN REQUIREMENTS CONTAINED IN LATEST ADOPTED STATE AND INTERNATIONAL BUILDING CODES. WITH ALL AMENDMENTS ADOPTED BY THE CURRENT LEGISLATION. REFER TO ELECTRICAL AND STRUCTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
E. ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.
F. INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING OR THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ENGINEER.
G. ADVISE THE ENGINEER OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
H. WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, DETAILS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. NOTIFY ARCHITECT OF DISCREPANCY IN WRITING.
I. DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.
J. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
K. MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES INDICATED ABOVE FINISHED FLOOR ARE TO CENTER OF DEVICE UNO. MOUNTING HEIGHTS TO CEILING SUSPENDED DEVICES ARE TO BOTTOM OF DEVICE UNO.
L. INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEER PRIOR TO INSTALLATION FOR CLARIFICATION.
M. DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY.
N. THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE-NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
O. ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER.
P. ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEER, UNLESS LONGER WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED.
Q. UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE, UNLESS OTHERWISE NOTED. COORDINATE WORK AND COLORS WITH ARCHITECT.
R. WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATIONS IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING MANUFACTURER AND ARCHITECT.
S. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES, CASH CONTRIBUTIONS OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (ELECTRIC, TELEPHONE, TELEVISION, DATA, ETC.).
T. COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF ADDITIONAL RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.
U. CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2'X2' CEILING TILE AND INSTALLED CENTERED ON 2'X4' TILE AND ON CENTERLINE OR A QUARTER POINT OF 2'X4' TILE DIMENSION.
V. ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTORS' EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
W. CHECK ALL THREE PHASE MOTORS WITH A PHASE ROTATION METER, PRIOR TO PLACING IN SERVICE.
X. PROVIDE DETAILED SHOP DRAWINGS TO ENGINEER PRIOR TO PURCHASING OR INSTALLING ANY EQUIPMENT
Y. DEVIATIONS IN SIZES, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEER OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
Z. THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. POOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.
AA. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE AFFECTING INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.
BB. WHERE FIRE-RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE UL-LISTED FIRE-RATED GYPSUM BOARD OR PRE-MANUFACTURED ENCLOSURES ABOVE LUMINAIRES, CEILING DEVICES, ETC. IN OR ON CEILING, AS REQUIRED TO MAINTAIN CEILING RATINGS.
CC. COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC. WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
DD. ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITER'S LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVAL AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ENGINEER IN WRITING.
EE. ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPLICES. CONDUCTORS, WHETHER SINGLE OR MULTI-PAIR, SHALL BE INSTALLED CONTINUOUS INSOFAR AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT.
FF. NO CONDUIT, SUPPORTS, ETC. SHALL BE RUN THROUGH ACCESS CLEARANCES OF EQUIPMENT BY OTHER TRADES (I.E. VAV BOXES). COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.
GG. ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES. PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC. OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
HH. ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING.
II. WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.
JJ. REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT ENGINEER FOR DIRECTION PRIOR TO ROUGH IN.
KK. FLUSH OR PEDESTAL TYPE FLOOR OUTLETS/BOXES, AS INDICATED ON PLAN, SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGHING-IN ANY WORK.
LL. AS APPLICABLE, REFER TO ARCHITECTURAL PHASING PLANS AND PHASING BOUNDARIES ON THESE DRAWINGS FOR SEQUENCING OF WORK, FULL EXTENT OF AREAS INVOLVED, EXTENT OF CEILING WORK, ETC. PROVIDE TEMPORARY CONNECTIONS FOR CIRCUITS AND WORK AS REQUIRED TO MAINTAIN SEQUENCE OF THE WORK FROM PHASE TO PHASE.
MM. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL BE IN ACCORDANCE WITH THE ARCHITECTS STANDARDS FOR SUCH WORK.
NN. ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEER FOR CLARIFICATIONS PRIOR TO INSTALLING ANY SUCH WORK.
OO. INTERRUPTION OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE OWNER, GENERAL CONTRACTOR, UTILITY COMPANY AS NECESSARY, AND THE ARCHITECT, AT LEAST TWO WEEKS IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE, IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE.
PP. WHERE BACKBOXES ARE LOCATED IN THE SAME VERTICAL CHANNEL/STUD SPACE ON OPPOSITE SIDES OF THE SAME WALL, PROVIDE SOUND-INSULATING PUTTY AROUND BOXES AS REQUIRED TO ELIMINATE SOUND TRANSMISSION FROM ROOM TO ROOM.
QQ. JUNCTION BOXES LOCATED ABOVE ACCESSIBLE CEILINGS SHALL BE LOCATED NO MORE THAN 36" ABOVE CEILING LEVEL. LABEL EACH BOX IN AREA OF WORK WITH A PERMANENT MARKER OR IN ACCORDANCE WITH SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
RR. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.
SS. DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
TT. NOISY WORK, WORK OUTSIDE CONSTRUCTION BARRIERS, WORK IN OCCUPIED AREAS, ETC. SHALL BE PERFORMED AFTER HOURS OR ON WEEKENDS. COORDINATE EXACT SCHEDULING WITH FACILITY PRIOR TO CONSTRUCTION.
UU. ALL ITEMS HAVING KEYED LOCKS/OPERATORS SHALL HAVE CORED LOCKS/OPERATORS. ALL KEYING SHALL MATCH THE OWNER'S EXISTING KEY-WAYS. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.
VV. REFER TO ARCHITECTURAL PLANS FOR PHASING REQUIREMENTS. WORK SHALL BE COMPLETED IN PHASES PER THE PHASING PLAN AND AS COORDINATED WITH OWNER AND GENERAL CONTRACTOR. PROVIDE ALL REQUIRED INCREMENTAL INSPECTIONS, CERTIFICATIONS, ETC. AND ALL TEMPORARY SERVICES AS REQUIRED BY OWNER TO ACCOMPLISH THE PHASING PLAN.

GENERAL NOTES (LIGHTING):

A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
D. LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
E. LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
F. WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE.
G. LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
H. ALL LIGHTING FIXTURE LENSES AND DOWNLIGHTING ALZAK CONES SHALL BE HANDLED WITH CLEAN COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS, AT CASE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
I. RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
J. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

GENERAL NOTES (POWER):

A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

GENERAL NOTES (SYSTEMS):

A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
D. REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
E. THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
F. CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.

GENERAL NOTES (ROOF):

A. REFER TO POWER, SYSTEMS, AND LIGHTING PLANS FOR GENERAL NOTES APPLICABLE TO INTERIOR SPACES SHOWN ON THIS PLAN.
B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE ENGRAVED LAMACOID LABELS FOR ALL EXTERIOR DEVICES. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
D. PROVIDE UNI-STRUT AS REQUIRED FOR MOUNTING OF ALL DEVICES ON ROOF. COORDINATE WITH ROOFING CONTRACTOR PRIOR TO CONSTRUCTION FOR ALL PENETRATIONS. SEAL PENETRATIONS AS REQUIRED PER ROOFING CONTRACTOR AND ROOFING MANUFACTURER'S RECOMMENDATIONS AS REQUIRED TO MAINTAIN ROOF WARRANTY. PROVIDE CURBS AND/OR FLASHED BOOTS AT ALL DEVICES AND PENETRATIONS.
E. CONDUITS SHALL PENETRATE ROOF FROM BELOW AS CLOSE TO FINAL ROOF EQUIPMENT TERMINATION POINT AS POSSIBLE. SUPPORT ALL ROOF MOUNTED CONDUITS AT INTERVALS NOT EXCEEDING 10 FEET WITH STRUT-BASED SUPPORT SYSTEM. SUPPORT SYSTEM TO BE CADDY PYRAMID ST SERIES OR APPROVED EQUAL.
F. ALL CONDUIT EXPOSED TO DIRECT SUNLIGHT SHALL BE AT LEAST 12" ABOVE THE ROOF-TOP. NO CONDUIT SHALL BE EXPOSED TO DIRECT SUNLIGHT BELOW THIS HEIGHT.
G. WHERE RACEWAY OR CONDUCTORS ARE INSTALLED EXPOSED ON ROOF, DERATE AMPACITY OF CONDUCTORS IN ACCORDANCE WITH NEC.
H. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
I. PROVIDE MAINTENANCE RECEPTACLE WITHIN 25 FT OF EACH MECHANICAL UNIT AS REQUIRED BY NEC. COORDINATE INSTALLATION LOCATIONS WITH FINAL EQUIPMENT LAYOUT PROVIDE BY MECHANICAL CONTRACTOR.
J. CONDUIT FOR ROOF MOUNTED EQUIPMENT SHALL BE ROUTED IN CEILING SPACE BELOW ROOF DECK UNO.

DESCRIPTION	MOUNTING HEIGHT TO CENTER OF BOX	DRAWING SYMBOL
SWITCHES		
LIGHT SWITCH:GENERAL PURPOSE	46"	$
OCCUPANCY SENSOR SWITCH	46"	$OS
LOW VOLTAGE MOMENTARY SWITCH	46"	$LV
NON-REVERSING MOTOR STARTER SNAP SWITCH	AS NOTED	$M
OCCUPANCY SENSOR, CEILING MOUNT	CLG	OS
PHOTOCELL / DAYLIGHT SENSOR	CLG	P
EMERGENCY LIGHTING RELAY DEVICE	CLG	ER
NOTE: REFER TO LIGHTING CONTROL DEVICE SCHEDULE FOR OTHER DEVICE CONFIGURATIONS		
POWER OUTLETS		
DUPLEX RECEPTACLE-SAFETY TYPE, TAMPER-RESISTANT	1'-6"	
DUPLEX RECEPTACLE-SAFETY TYPE, TAMPER-RESISTANT, SWITCHED CIRCUIT	1'-6"	S
SLASH THROUGH ANY DEVICE INDICATES MOUNTING ABOVE COUNTERTOP 4" ABOVE BACKSPLASH, OR AT 46" WHERE NO COUNTER IS PRESENT		
FILLED CENTER BAR INDICATES INTEGRAL GROUND FAULT PROTECTION (GFCI)	1'-6"	
QUADRUPLEX RECEPTACLE	1'-6"	
JUNCTION BOX, CEILING OR WALL		J, HJ
DUPLEX FOR ELECTRIC WATER COOLER: COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR TO CONCEAL OUTLET BEHIND COOLER. PROVIDE READILY ACCESSIBLE GFI DEVICE AT 18" ADJACENT TO WATER COOLER		EWC
FIRE ALARM		
PULL STATION : DOUBLE ACTION WITH POLYCARBONATE COVER AND WARNING SOUNDER	46" TO LEVER	F
AUDIO/VISUAL NOTIFICATION APPLIANCE	WALL, CLG	F (EX)
VISUAL-ONLY NOTIFICATION APPLIANCE	WALL, CLG	V (V)
PHOTO-ELECTRIC SMOKE DETECTOR	CLG	SD

DESCRIPTION	MOUNTING HEIGHT TO CENTER OF BOX	DRAWING SYMBOL
LIGHTING		
SURFACE OR SUSPENDED CEILING FIXTURE (SLASH INDICATES RECESSED)		
EXIT LIGHT (CEILING, END, WALL MOUNT)		
STRIP FIXTURE		
PARALLEL-HATCHING INDICATES LIGHT IS POWERED FROM THE EMERGENCY-LIFE SAFETY BRANCH		
NOTE: REFER TO LUMINAIRE SCHEDULE FOR EXACT FIXTURE SPECIFICATIONS, MOUNTING HEIGHTS, ETC.		
MISCELLANEOUS		
CONDUIT CONCEALED IN WALLS OR IN CEILING SPACE: ARROW(S) INDICATE(S) HOME RUN & # OF CIRCUITS: HASHMARKS INDICATE # OF CONDUCTORS. DASHED LINE INDICATES CONDUIT UNDER SLAB, BELOW GRADE, OR IN CEILING SPACE OF FLOOR BELOW.		GROUND NEUTRAL PHASE
DISCONNECT SWITCH. SLASH INDICATES FUSED	5'-0"	
PANELBOARD, SURFACE OR FLUSH MOUNTED, HATCHING INDICATES EMERGENCY	6'-6" TO TOP	
TRANSFORMER	AS NOTED	
THERMOSTAT PROVIDED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE BACK-BOX CONDUIT STUB-UP. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS		T
EQUIPMENT TAG, REFER TO EQUIPMENT SCHEDULE		EQUIP-1
TAGGED NOTE		
REVISION TAG		
INDICATES EMERGENCY POWER		E,EM
PANEL FURNITURE		
POWER CONNECTION TO PANEL FURNITURE. PROVIDE SEAL-TIGHT CONDUIT CONNECTION FROM RECESSED WALL BOX TO PANEL FURNITURE, PROVIDE FINAL CONNECTIONS TO PANEL FURNITUR

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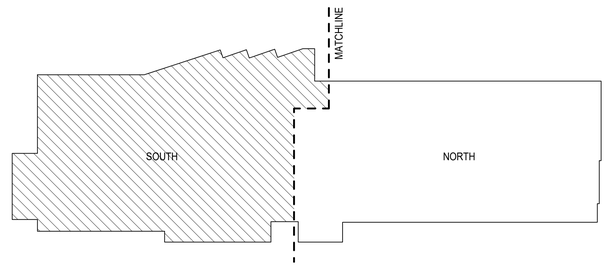
TAGGED NOTES ##

MAGNETIC PLAN

1 FIRST FLOOR LIGHTING PLAN - SOUTH

E101A SCALE: 1/8" = 1'-0"



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COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
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FIRST FLOOR LIGHTING PLAN - SOUTH

22-106

E101A

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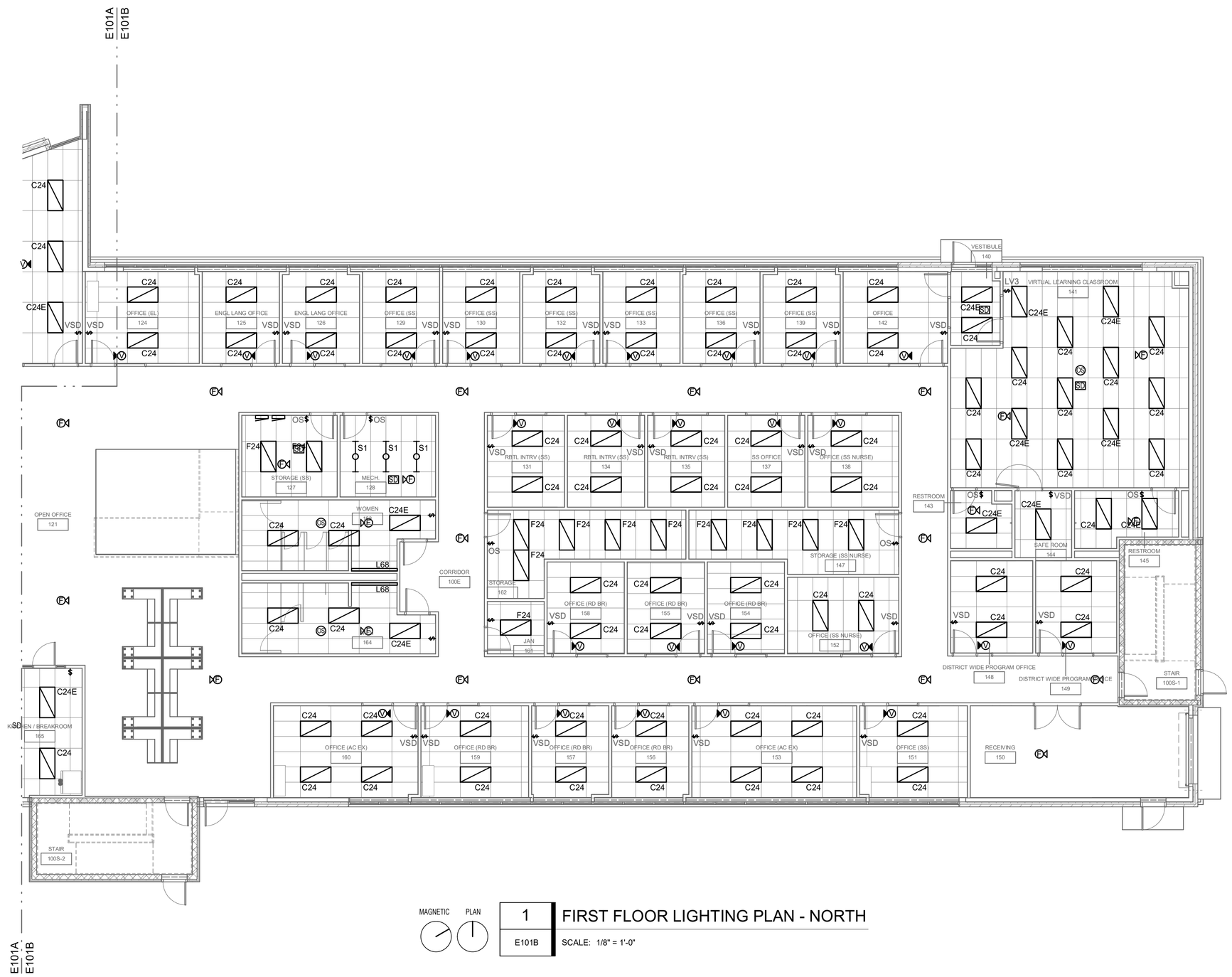
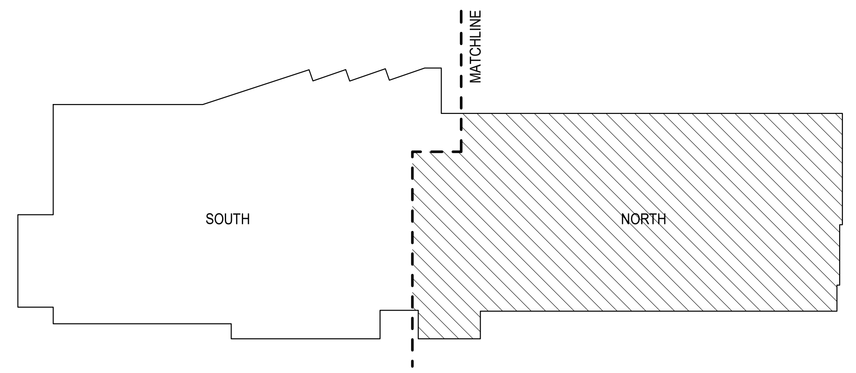


MAGNETIC PLAN

1 FIRST FLOOR LIGHTING PLAN - NORTH

E101B SCALE: 1/8" = 1'-0"



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FIRST FLOOR LIGHTING PLAN - NORTH

22-106

E101B

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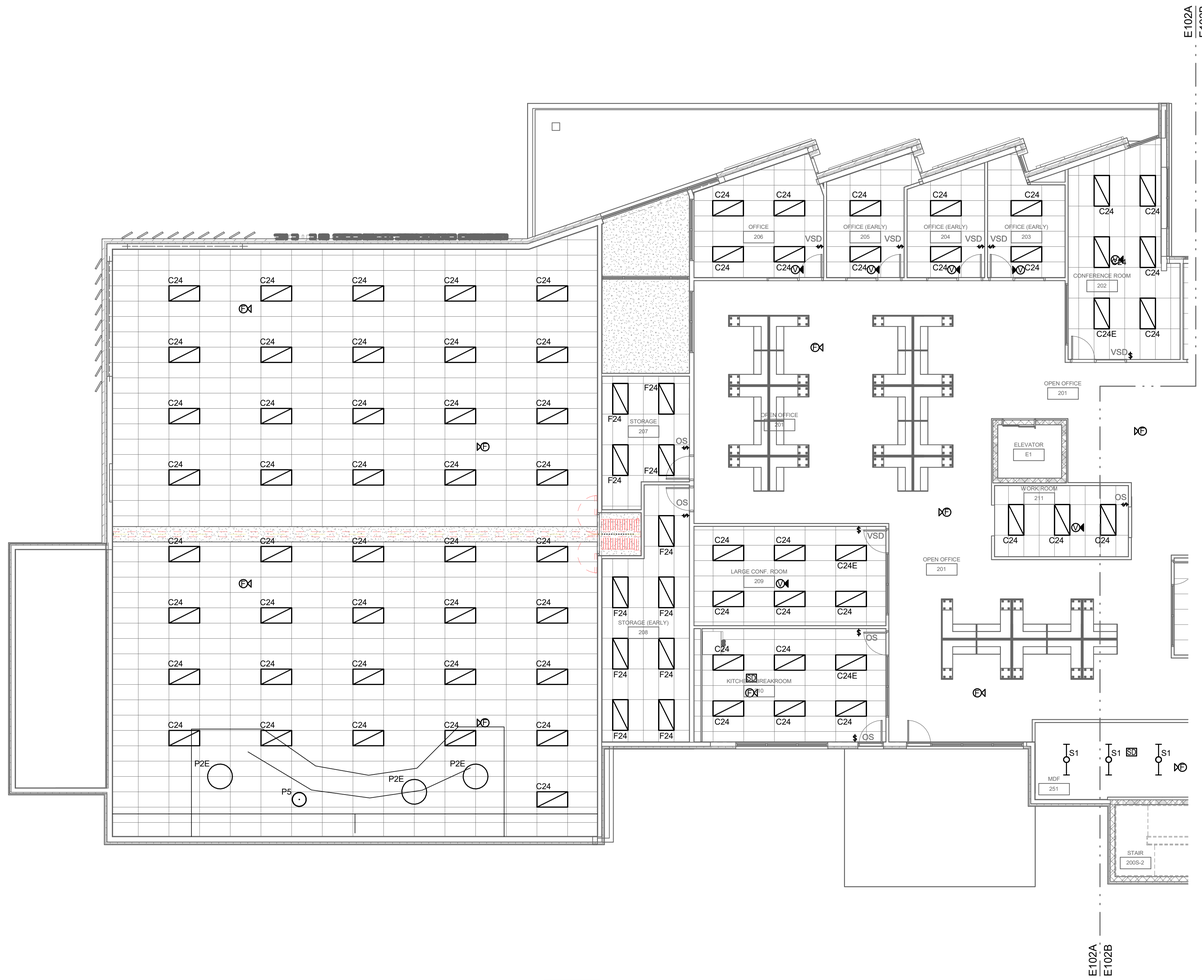
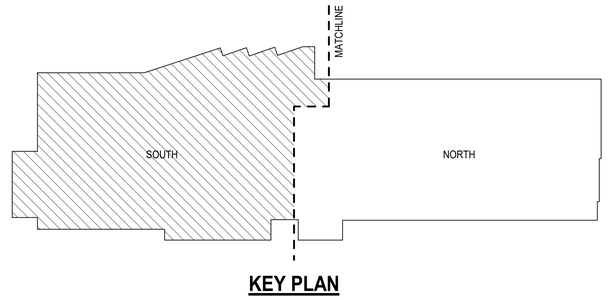


MAGNETIC PLAN

1 SECOND FLOOR LIGHTING PLAN - SOUTH

E102A SCALE: 1/8" = 1'-0"



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SECOND FLOOR LIGHTING PLAN - SOUTH

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E102A

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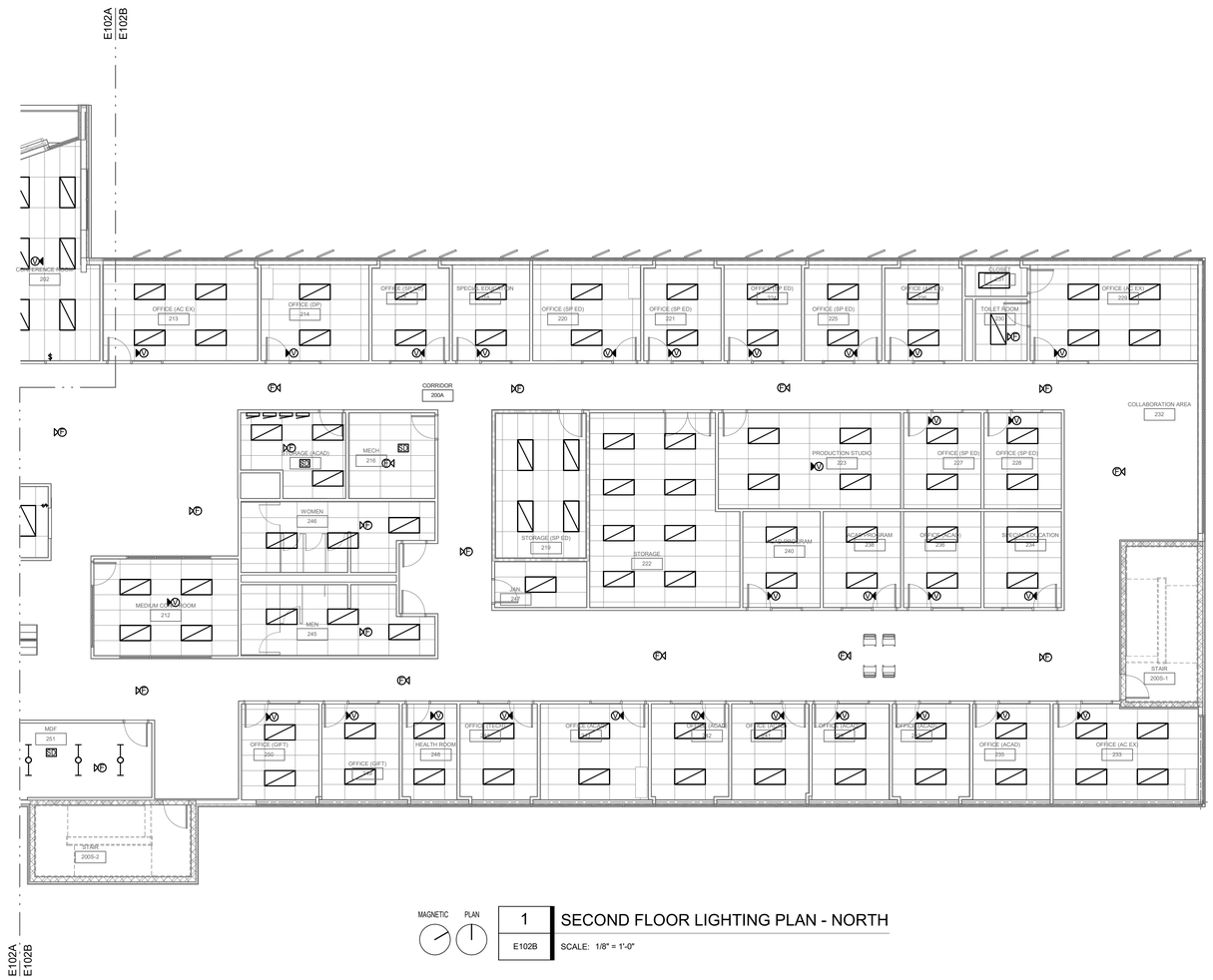
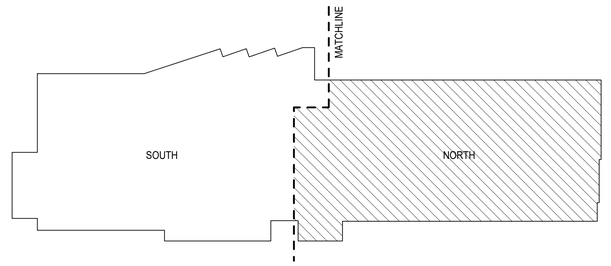


MAGNETIC PLAN

1 SECOND FLOOR LIGHTING PLAN - NORTH

E102B SCALE: 1/8" = 1'-0"



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SECOND FLOOR LIGHTING PLAN - NORTH

22-106

E102B

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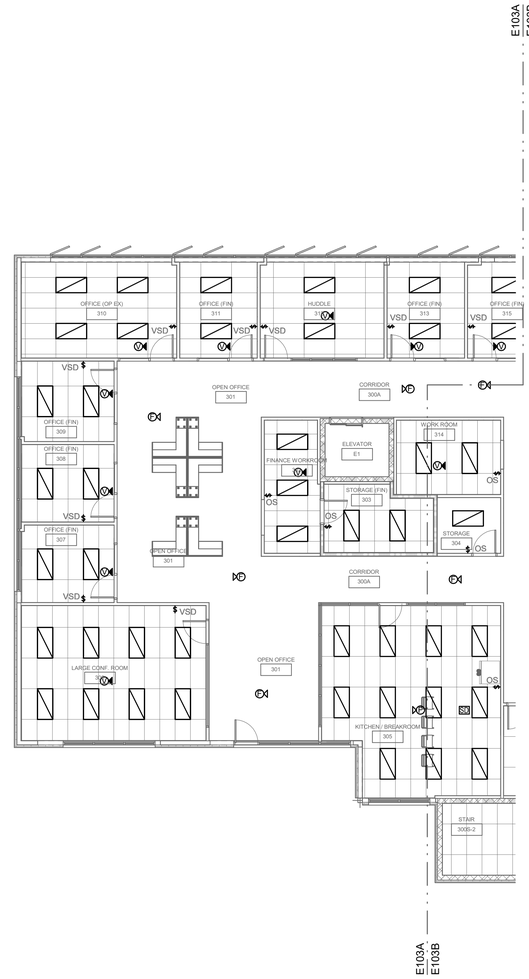
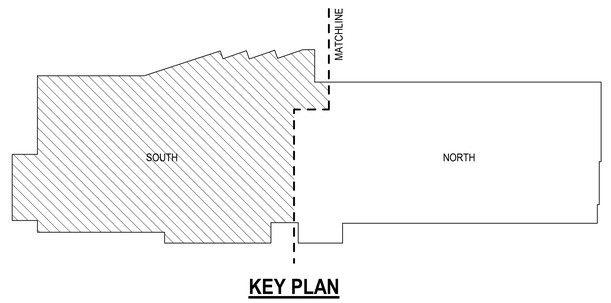


MAGNETIC PLAN

1 THIRD FLOOR LIGHTING PLAN - SOUTH

E103A SCALE: 1/8" = 1'-0"



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THIRD FLOOR LIGHTING PLAN - SOUTH

22-106

E103A

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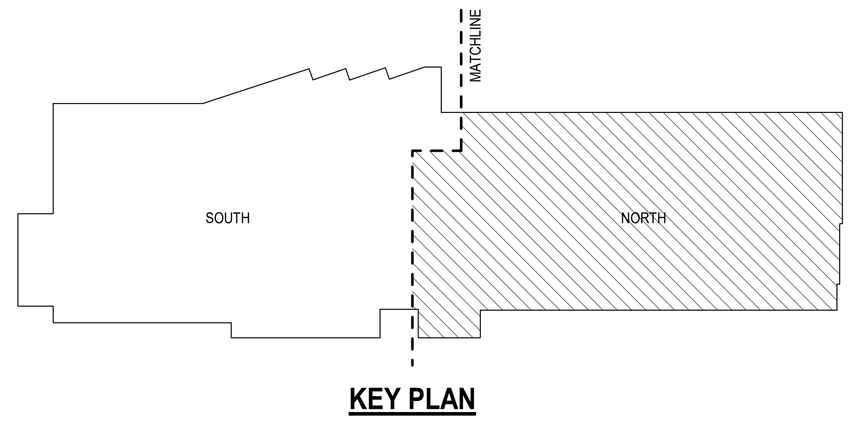
MAGNETIC PLAN

1 THIRD FLOOR LIGHTING PLAN - NORTH

E103B SCALE: 1/8" = 1'-0"



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THIRD FLOOR LIGHTING PLAN - NORTH

22-106

E103B

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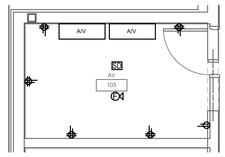
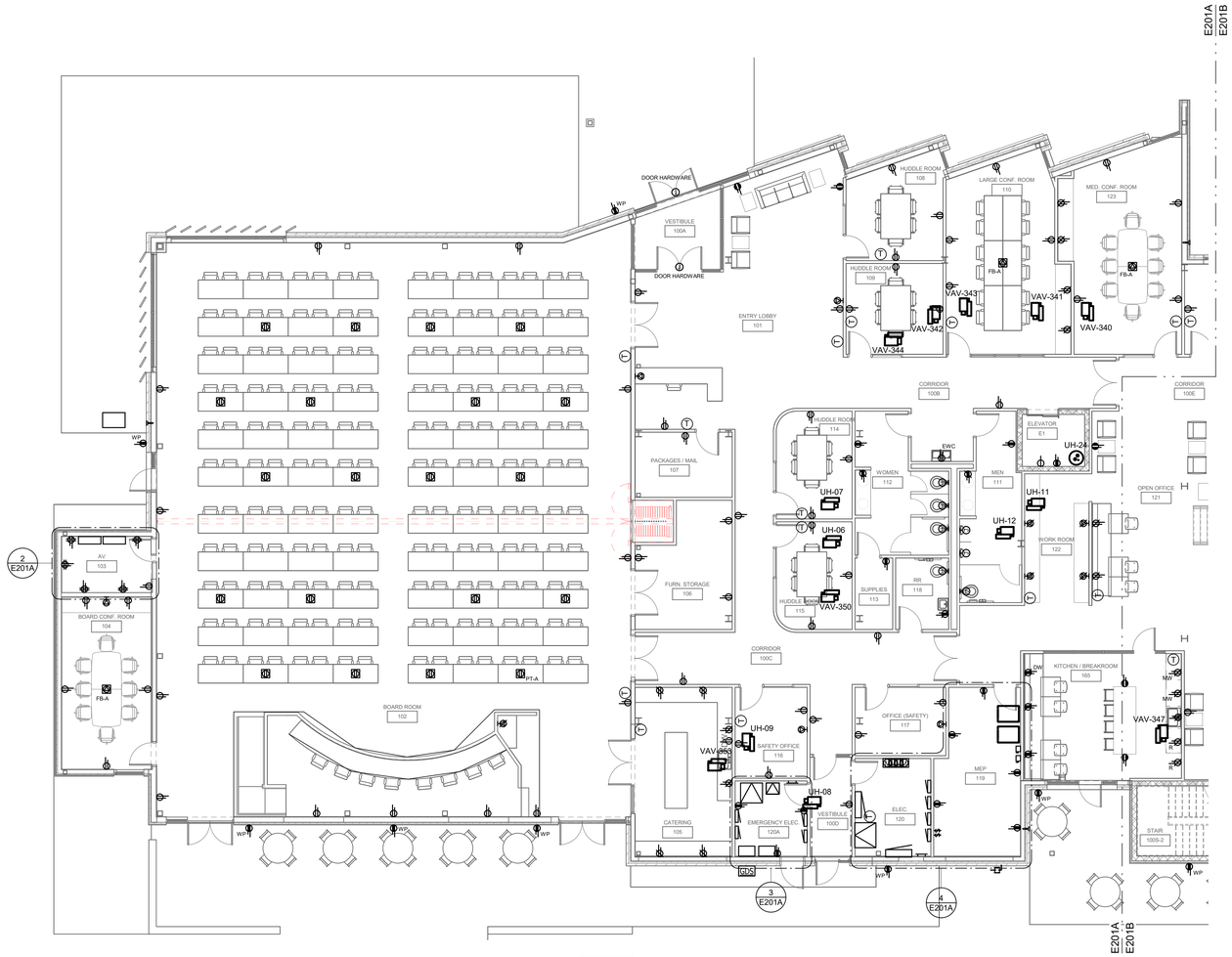
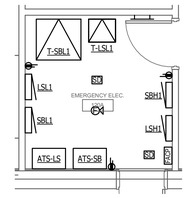


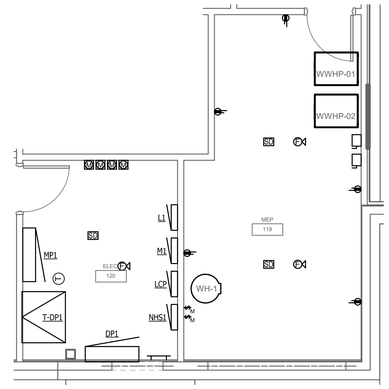
MAGNETIC PLAN | 2 | E201A | ENLARGED FIRST FLOOR AV RM 103
SCALE: 1/4" = 1'-0"



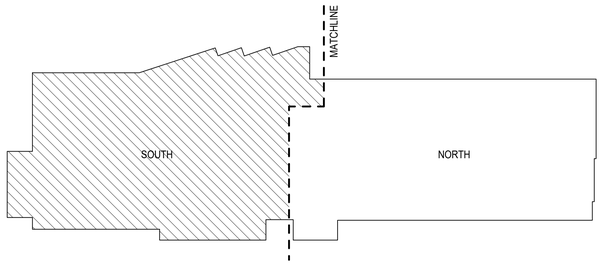
MAGNETIC PLAN | 1 | E201A | FIRST FLOOR POWER PLAN - SOUTH
SCALE: 1/8" = 1'-0"



MAGNETIC PLAN | 3 | E201A | ENLARGED FIRST FLOOR EM ELEC RM 120A
SCALE: 1/4" = 1'-0"



MAGNETIC PLAN | 4 | E201A | ENLARGED FIRST FLOOR MEP & ELEC RM 119-120
SCALE: 1/4" = 1'-0"



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FIRST FLOOR POWER PLAN - SOUTH

22-106

E201A

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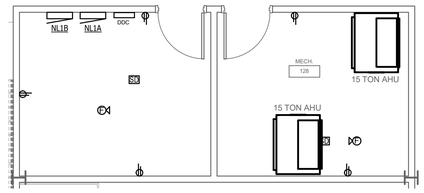
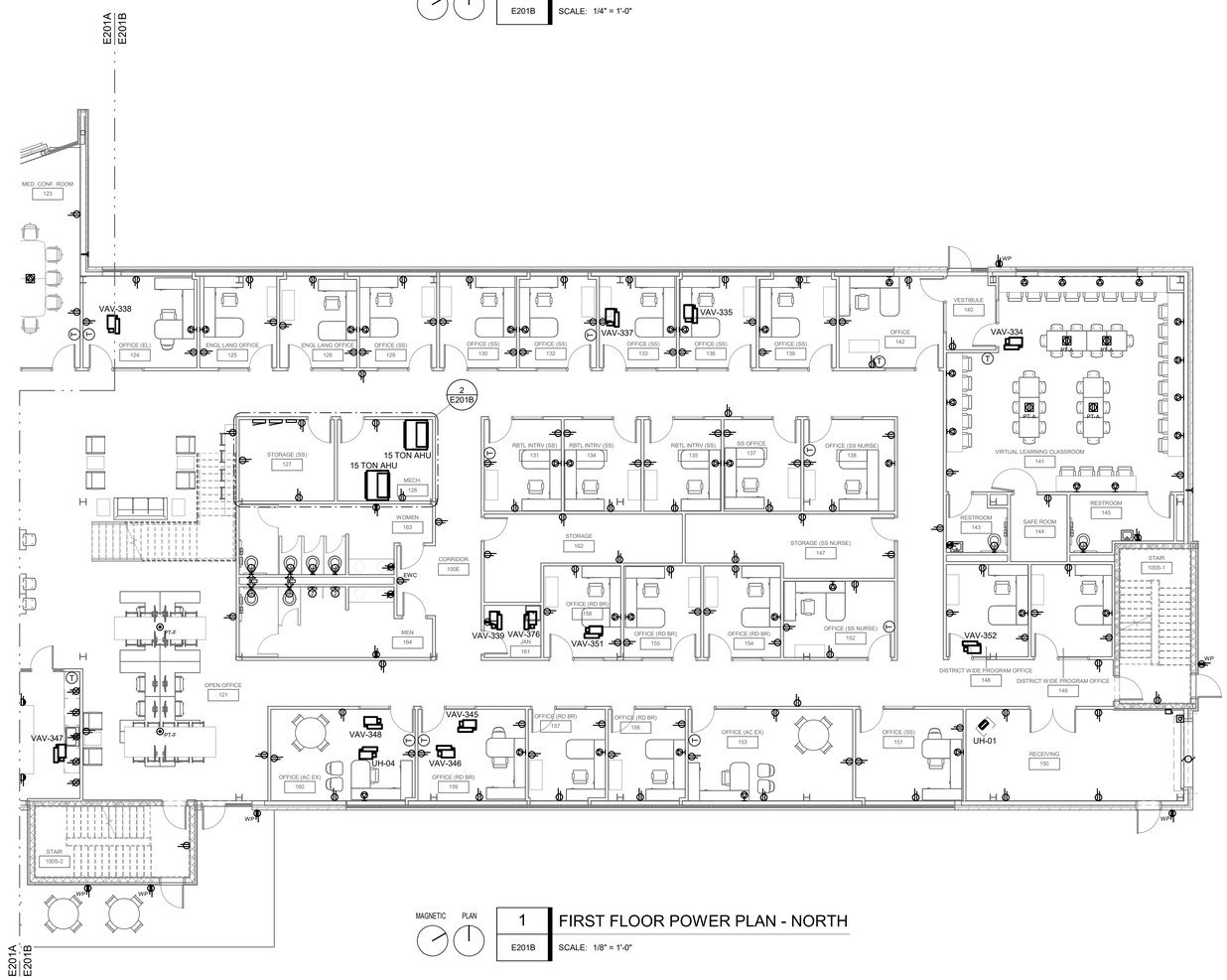


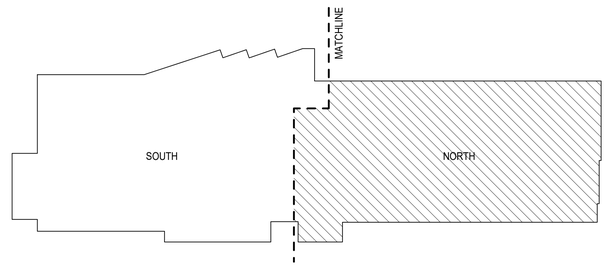
MAGNETIC PLAN | 2 / E201B | ENLARGED FIRST FLOOR MECH RM 128

SCALE: 1/4" = 1'-0"



MAGNETIC PLAN | 1 / E201B | FIRST FLOOR POWER PLAN - NORTH

SCALE: 1/8" = 1'-0"



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FIRST FLOOR POWER PLAN - NORTH

22-106

E201B

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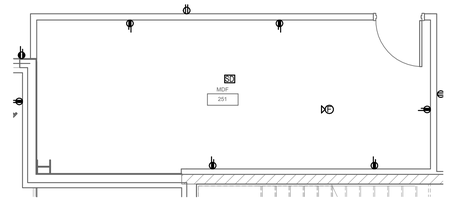


MAGNETIC PLAN

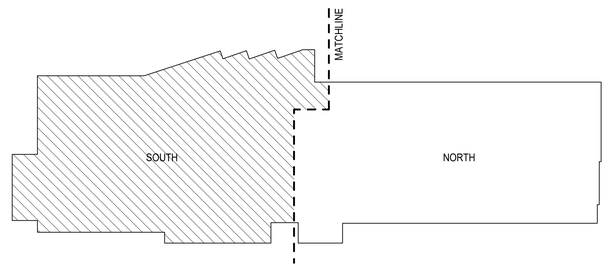
2 — ENLARGED SECOND FLOOR MDF RM 251

E202A — SCALE: 1/4" = 1'-0"

MAGNETIC PLAN

1 — SECOND FLOOR POWER PLAN - SOUTH

E202A — SCALE: 1/8" = 1'-0"



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SECOND FLOOR POWER PLAN - SOUTH

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E202A

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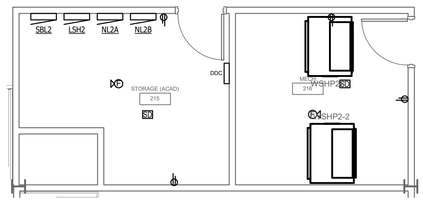
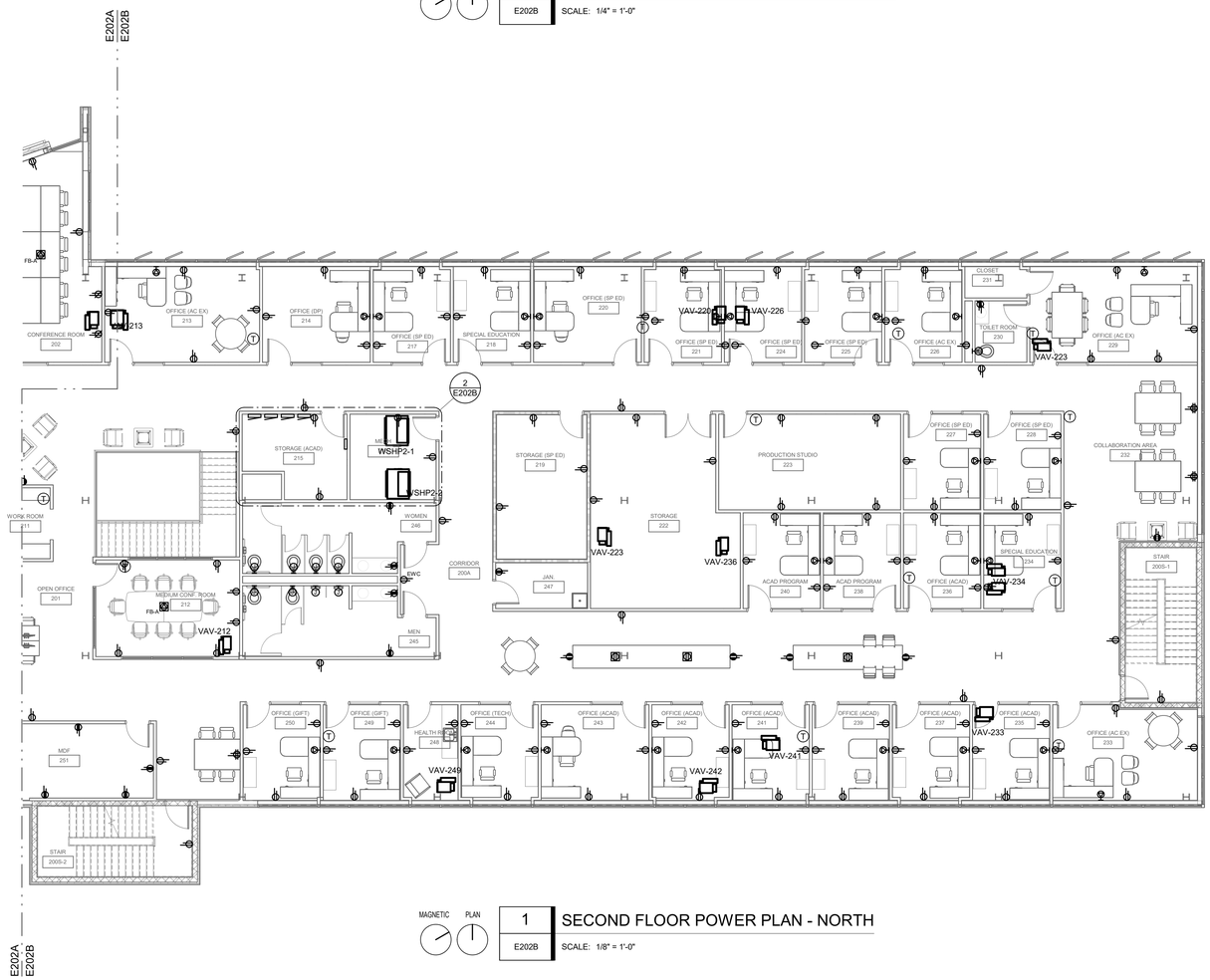
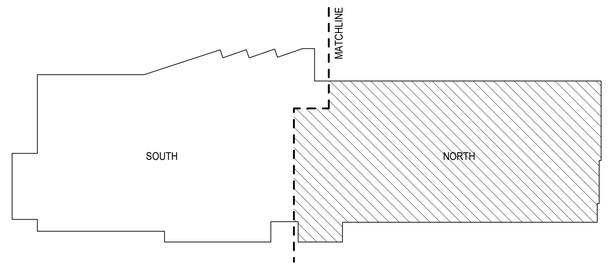


MAGNETIC PLAN | 2 | ENLARGED SECOND FLOOR MECH RM 216
E202B | SCALE: 1/4" = 1'-0"



MAGNETIC PLAN | 1 | SECOND FLOOR POWER PLAN - NORTH
E202B | SCALE: 1/8" = 1'-0"



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SECOND FLOOR POWER PLAN - NORTH

22-106

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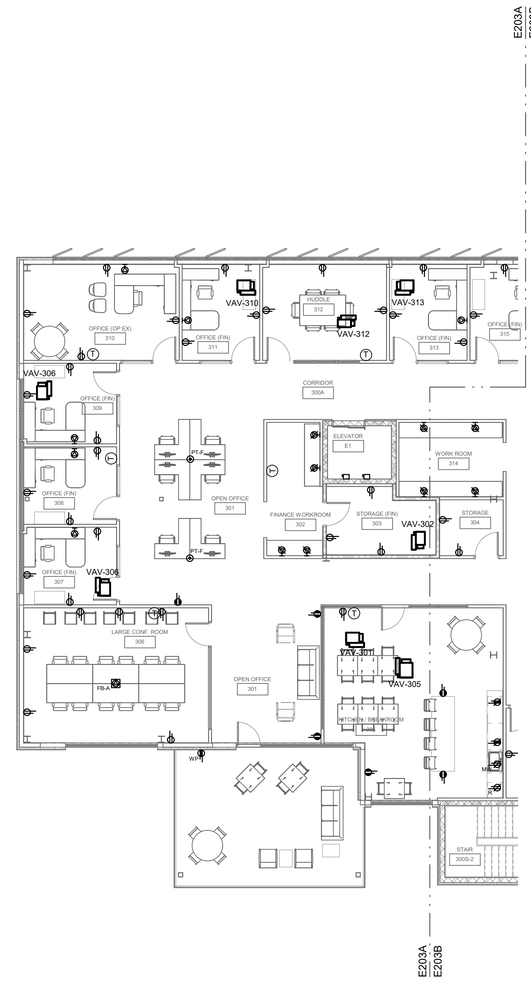
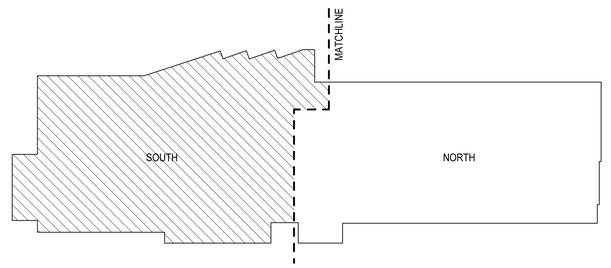


MAGNETIC PLAN

1 THIRD FLOOR POWER PLAN - SOUTH

E203A SCALE: 1/8" = 1'-0"



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THIRD FLOOR POWER PLAN - SOUTH

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E203A

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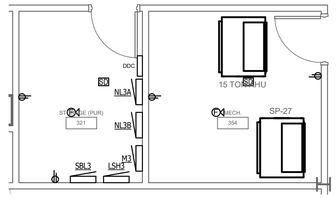
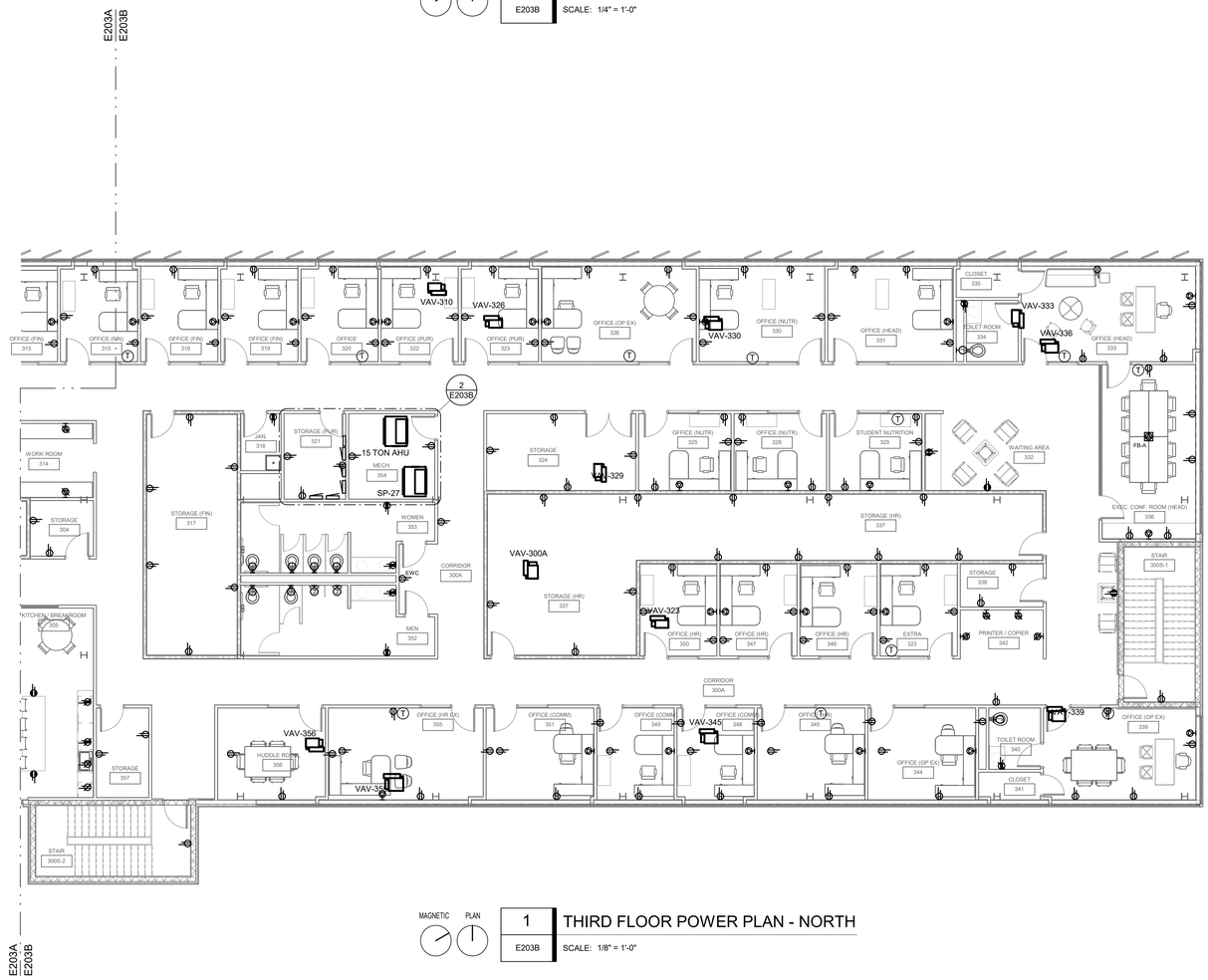


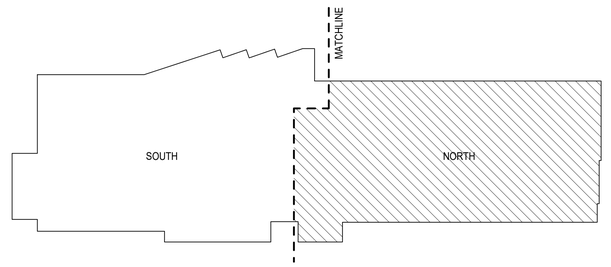
MAGNETIC PLAN | 2 | E203B | ENLARGED THIRD FLOOR MECH RM 354

SCALE: 1/4" = 1'-0"



MAGNETIC PLAN | 1 | E203B | THIRD FLOOR POWER PLAN - NORTH

SCALE: 1/8" = 1'-0"



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THIRD FLOOR POWER PLAN - NORTH

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E203B

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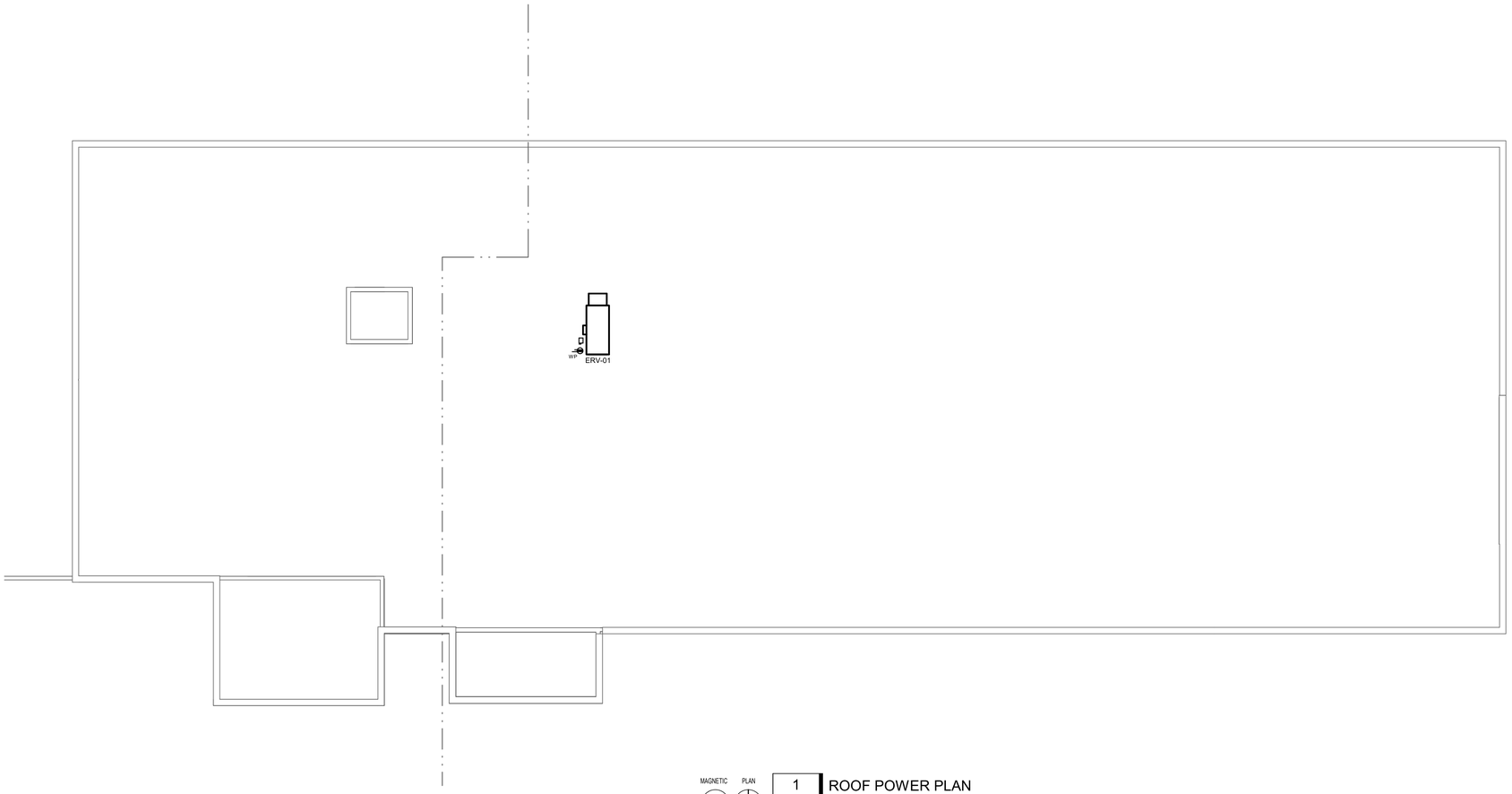
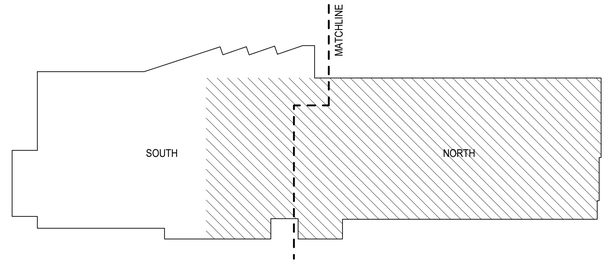


MAGNETIC PLAN

1 ROOF POWER PLAN

E204 SCALE: 1/8" = 1'-0"



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ROOF POWER PLAN

22-106

E204

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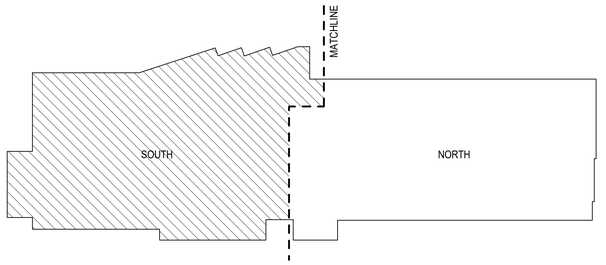
TAGGED NOTES ##

MAGNETIC PLAN

1 FIRST FLOOR SYSTEMS PLAN - SOUTH

E301A SCALE: 1/8" = 1'-0"



KEY PLAN

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(859)431-8612
906 Monmouth Street,
Newport, KY 41071

NOT FOR CONSTRUCTION

KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

FIRST FLOOR SYSTEMS PLAN - SOUTH

22-106

E301A

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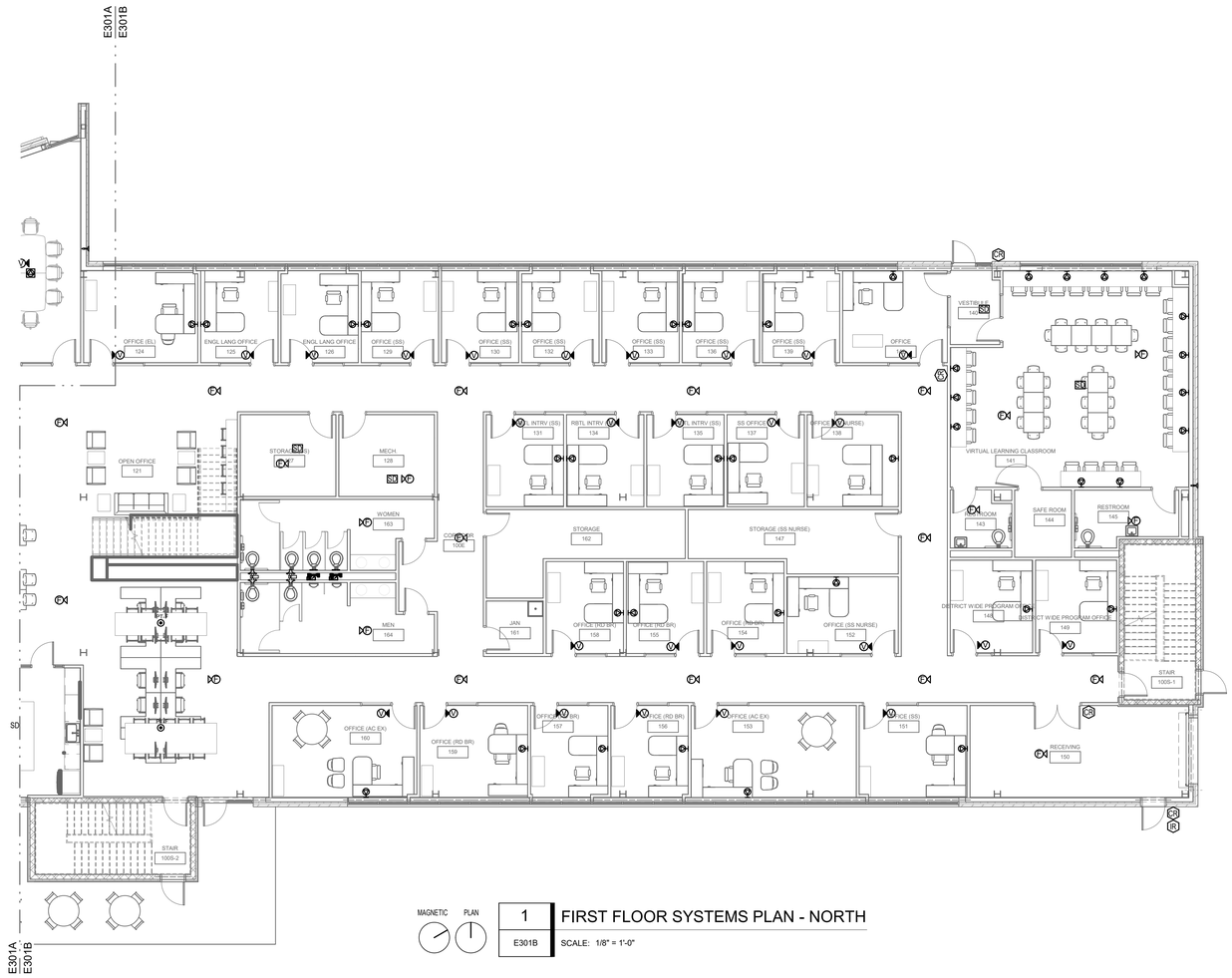
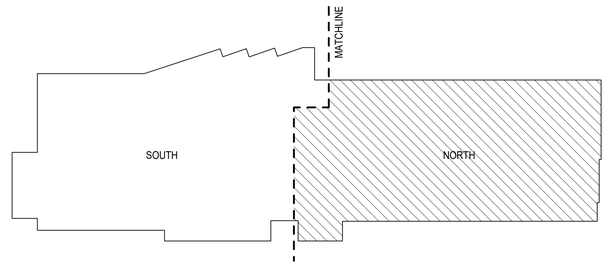


MAGNETIC PLAN

1 FIRST FLOOR SYSTEMS PLAN - NORTH

E301B SCALE: 1/8" = 1'-0"



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FIRST FLOOR SYSTEMS PLAN - NORTH

22-106

E301B

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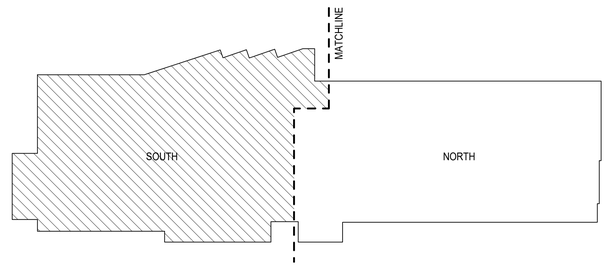
TAGGED NOTES ##

MAGNETIC PLAN

1 SECOND FLOOR SYSTEMS PLAN - SOUTH

E302A SCALE: 1/8" = 1'-0"



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SECOND FLOOR
SYSTEMS PLAN - SOUTH

22-106

E302A

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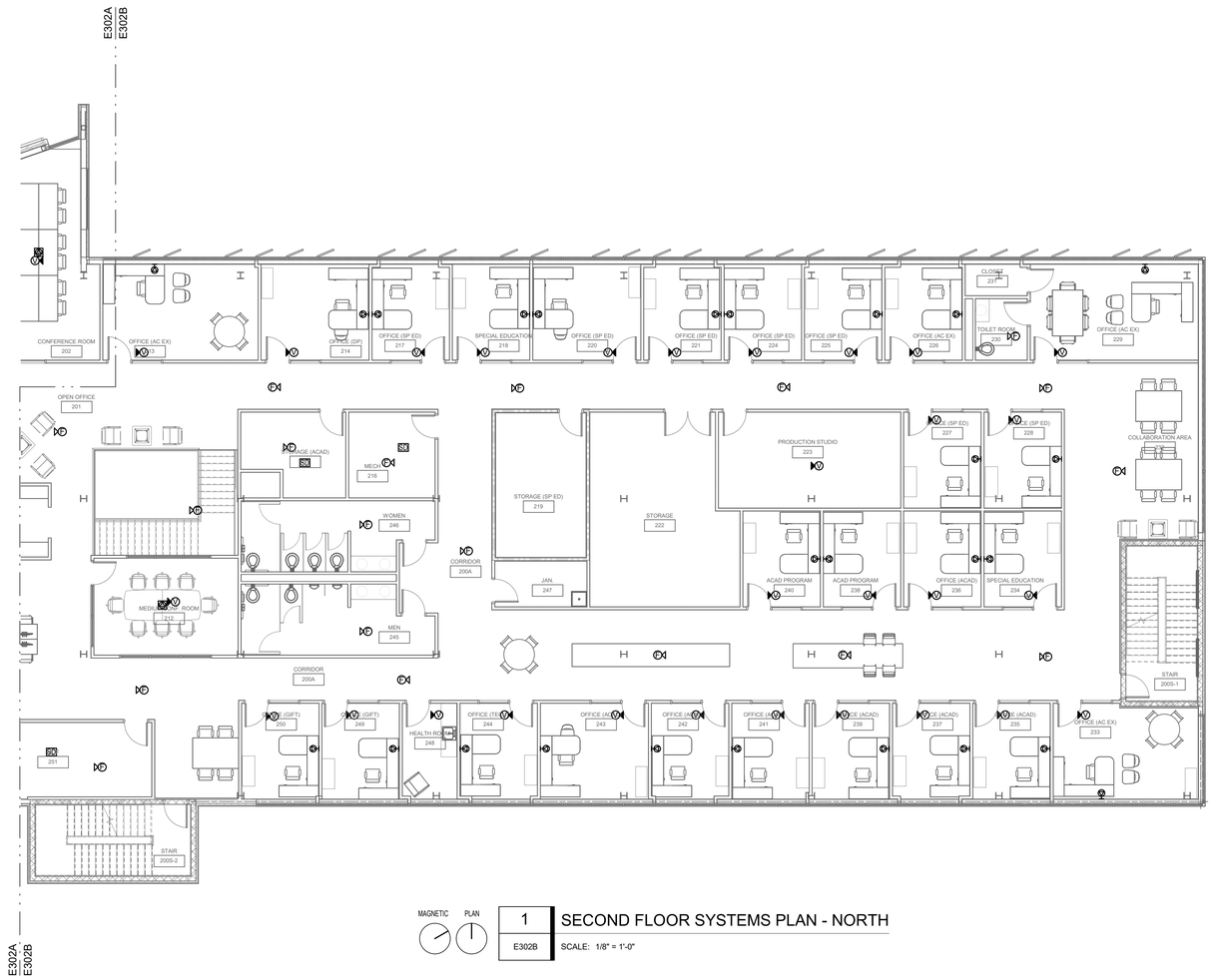
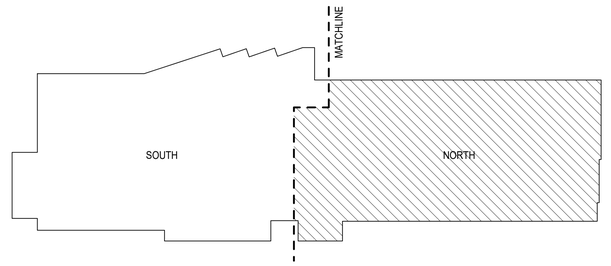
TAGGED NOTES ##



MAGNETIC PLAN

1 SECOND FLOOR SYSTEMS PLAN - NORTH

E302B SCALE: 1/8" = 1'-0"



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SECOND FLOOR SYSTEMS PLAN - NORTH

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E302B

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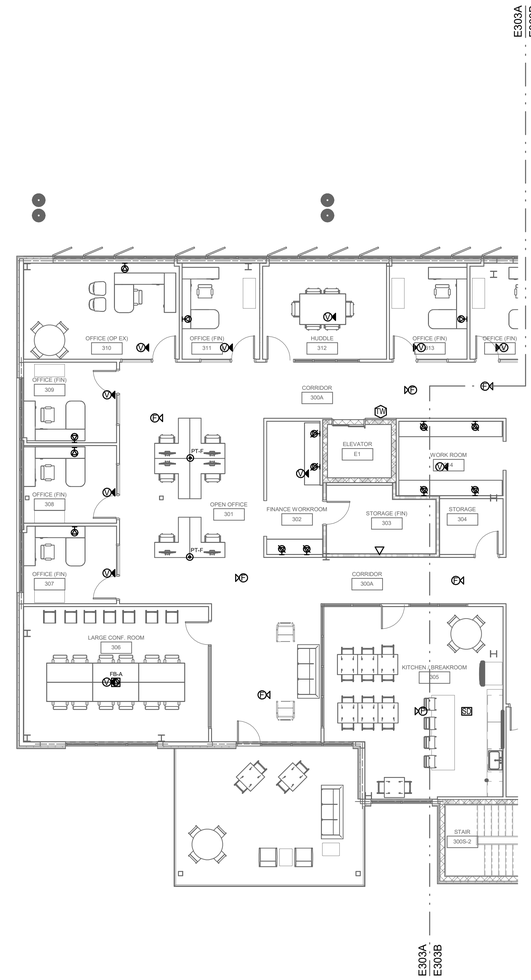
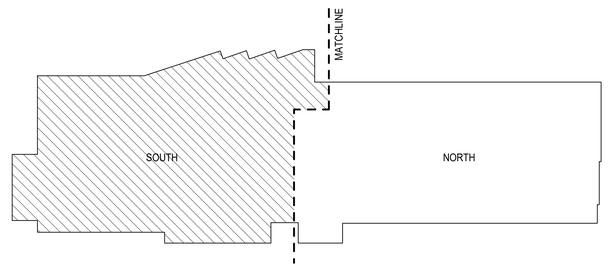


MAGNETIC PLAN

1 THIRD FLOOR SYSTEMS PLAN - SOUTH

E303A SCALE: 1/8" = 1'-0"



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THIRD FLOOR SYSTEMS PLAN - SOUTH

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E303A

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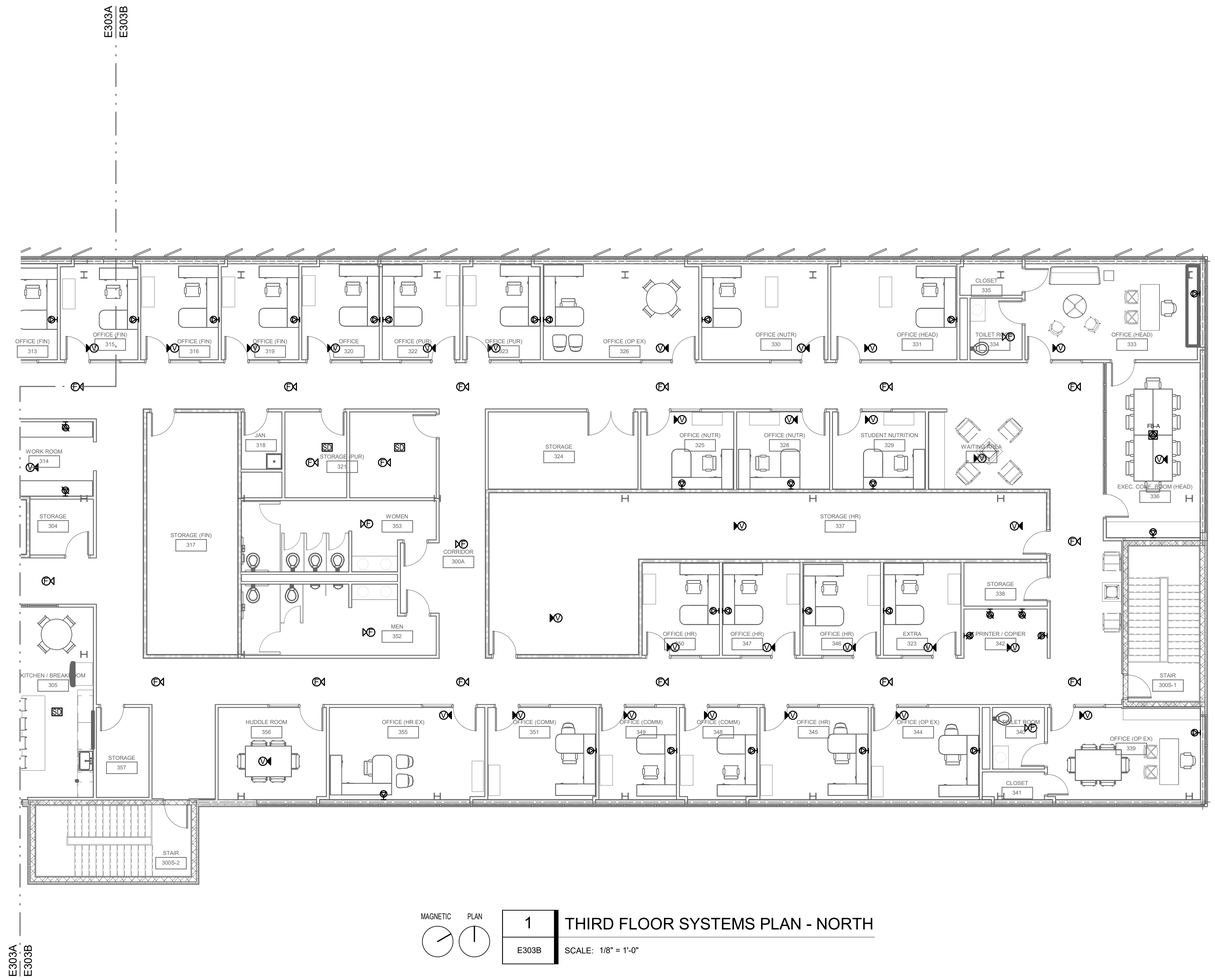
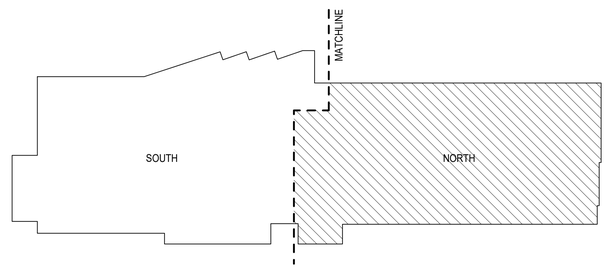


MAGNETIC PLAN

1 THIRD FLOOR SYSTEMS PLAN - NORTH

E303B SCALE: 1/8" = 1'-0"



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THIRD FLOOR SYSTEMS PLAN - NORTH

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E303B

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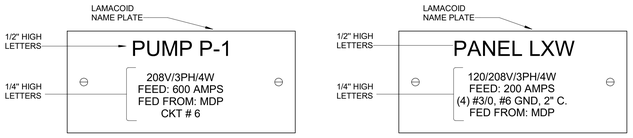


TYPICAL EQUIPMENT NAMEPLATE
NO SCALE

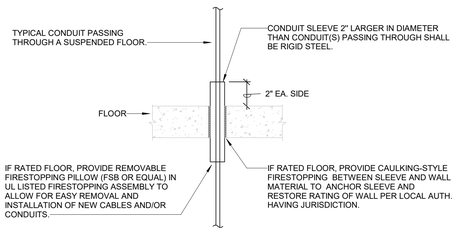
TYPICAL POWER PANEL NAMEPLATE DETAIL
NO SCALE

GENERAL NOTES:

A. NORMAL POWER LABELS SHALL BE BLACK WITH WHITE LETTERS.
B. EMERGENCY POWER LABELS SHALL BE RED WITH WHITE LETTERS. LABEL SHOULD ALSO INCLUDE THE WORD "EMERGENCY" IN 1/4" LETTERS.
C. EMERGENCY POWER LABELS IN HEALTHCARE APPLICATIONS SHOULD INCLUDE SYSTEM SEVERED "LIFE SAFETY", "CRITICAL" OR "EQUIPMENT".
D. UTILIZE SCREW-ON TYPE LAMACOID PLATES.
E. THIS DETAILS APPLIES TO ALL ELECTRICAL EQUIPMENT INCLUDING PANELS, SWITCHGEAR, DISCONNECTS, TRANSFORMERS, MOTOR STARTERS, VARIABLE FREQUENCY DRIVES (VDFS), SPECIAL DEVICE PLATES, INVERTER, AND SIMILAR MATERIALS SHALL BE CLEARLY MARKED AS TO THEIR FUNCTION AND USE.

1 ELECTRICAL EQUIPMENT NAMEPLATE

E500 SCALE: NOT TO SCALE

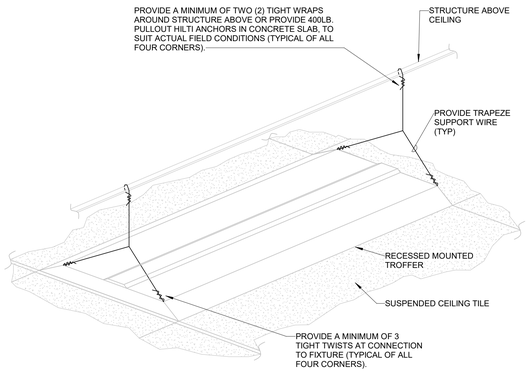


GENERAL FLOOR PENETRATION NOTES :

A. WHERE CONDUITS PENETRATE A FLOOR SLAB AND ARE EXPOSED, PROVIDE SQUARE 4" HIGH CONCRETEPAD AROUND CONDUIT SLEEVE AND EXTEND SLEEVE 4" ABOVE PAD.
B. WHERE CONDUITS OR SLEEVES PENETRATE FLOORS IN GROUPS, THE CONCRETE PAD SHOULD BE CONTINUOUS AROUND ALL CONDUITS OR SLEEVES.

3 CONDUIT FLOOR PENETRATION SLEEVE INSTALLATION

E500 SCALE: NOT TO SCALE



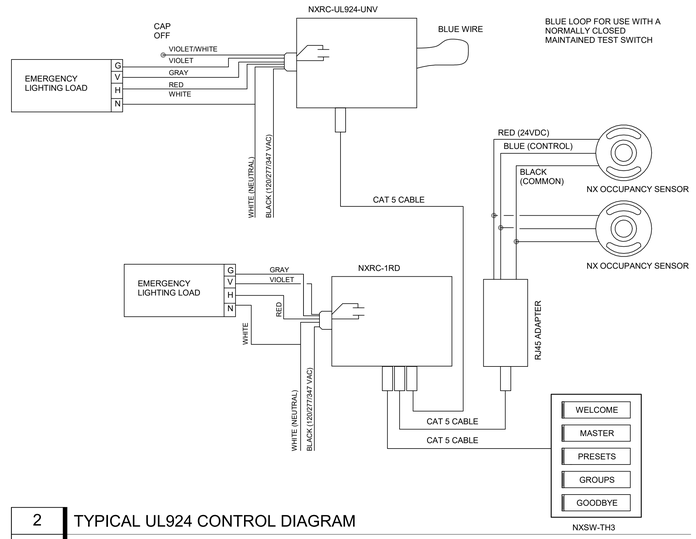
GENERAL TROFFER SUPPORT DETAIL NOTES:

A. SUPPORT WIRES SHALL BE GALVANIZED REGULAR COATING, SOFT TEMPER, 0.1055 INCHES IN DIAMETER (12 GAGE).
B. SUPPORT FIXTURE INDEPENDTLY FROM THE CEILING (GRID) SUPPORT.
C. ALTERNATELY, CONTRACTOR MAY SUPPORT FIXTURES WITH SINGLE WIRE FROM ALL FOUR CORNERS OF FIXTURE PER SPECIFICATIONS WITH NUMBER OF TWISTS AT FIXTURE AND NUMBER OF WRAPS AROUND STRUCTURE INDICATED IN THIS DETAIL.

Design notes:
A. Edit specification

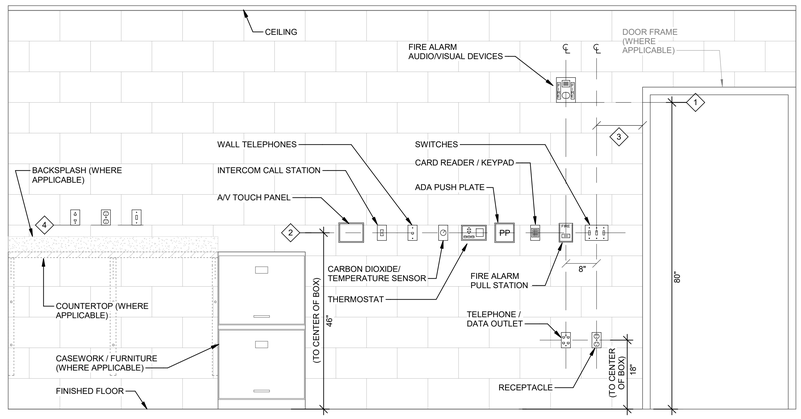
4 LUMINAIRE SUPPORT DETAIL

E500 SCALE: NOT TO SCALE



2 TYPICAL UL924 CONTROL DIAGRAM

E500 SCALE: NOT TO SCALE



DEVICE MOUNTING DETAIL - GENERAL NOTES:

A. WHERE DEVICES OF ANY DISCIPLINE ARE LOCATED IN THE SAME GENERAL AREA ON THE PLANS AND ARE SHOWN TO BE MOUNTED AT A SIMILAR HEIGHT, ALIGN HORIZONTALLY ALONG TOP OF DEVICE BACKBOX (AS SHOWN IN DETAIL AND DESCRIBED IN KEY NOTE #2).
B. WHERE DEVICES OF ANY DISCIPLINE ARE LOCATED IN THE SAME GENERAL AREA ON THE PLANS AND ARE SHOWN MOUNTED AT DIFFERENT HEIGHTS, ALIGN VERTICALLY ALONG THE CENTERLINE OF THE DEVICE BACKBOX (AS SHOWN IN DETAIL).
C. FOR ANY WALL OTHER THAN PAINTED GYPSUM BOARD OR CMU, DEVICE LOCATIONS MUST BE FIELD APPROVED BY ENGINEER OR ARCHITECT PRIOR TO INSTALLATION OF FINISHES.
D. ADA REQUIRES 48" ABOVE FINISH FLOOR FOR FRONT ACCESS. SIDE REACH ACCESS ALLOWS A MAXIMUM OF 54" AND A LOW SIDE REACH OF NO LESS THAN 9" ABOVE FINISH FLOOR. ADA FRONT AND SIDE REACH ACCESS MUST BE MAINTAINED FOR NEW AND EXISTING CONSTRUCTION. NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES.

X DEVICE MOUNTING DETAIL - KEY NOTES:

1. MOUNT VISUAL NOTIFICATION APPLIANCES SO THAT ENTIRE LENS IS BETWEEN 80" AND 96" AFF. IF CEILING IS TOO LOW FOR DEVICE TO BE MOUNTED ABOVE 80", MOUNT SO THAT THE LENS IS WITHIN 6" OF FINISHED CEILING.
2. ALIGN BACKBOXES OF DEVICES AT THE MOUNTING HEIGHT INDICATED. MEASURE TO THE CENTER OF THE BACKBOX FOR STANDARD OUTLET BOXES. NON-STANDARD BACKBOXES ARE TO BE INSTALLED SUCH THAT THE FINISHED DEVICES ARE ALIGNED ALONG THEIR RESPECTIVE CENTERLINES.
3. MOUNTING HEIGHTS SHOWN ILLUSTRATE DESIGN INTENT AND ARE TO BE FOLLOWED UNLESS CONTRADICTED BY APPLICABLE CODE. WHERE DEVICES ARE SHOWN ADJACENT TO DOOR FRAMES ON PLANS INSTALL 12" FROM FRAME TO AVOID SLUSHED SECTIONS OR BRACING. SPECIFIC DEVICES ARE SHOWN IN RELATIVE ORDER FROM DOOR FRAME; WHERE THESE DEVICES ARE NOT PRESENT AT A PARTICULAR LOCATION, ADJUST LOCATIONS CLOSER TO DOOR ACCORDINGLY.
4. THE CONTRACTOR IS TO COORDINATE ALL ROUGH-INS WITH ANY COUNTERTOPS/BACKSPLASHES/WALL PROTECTION TO AVOID CONFLICT. ALIGN DEVICE BACKBOXES IN THE BOTTOM OF THE NEXT FULL BLOCK ABOVE THE BACKSPLASH AS SHOWN. FOR NON-BLOCK WALLS ALIGN BOTTOM OF DEVICE BACKBOXES 2" ABOVE BACKSPLASH. COORDINATE WORK WITH CASEWORK AND KITCHEN SHOP DRAWINGS ACCORDINGLY. IF CONFLICT STILL ARISES CONTACT THE ENGINEER FOR DIRECTION ON HOW TO PROCEED.

5 TYPICAL WALL DEVICE MOUNTING DETAIL

E500 SCALE: NOT TO SCALE

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ELECTRICAL DETAILS

22-106

E500

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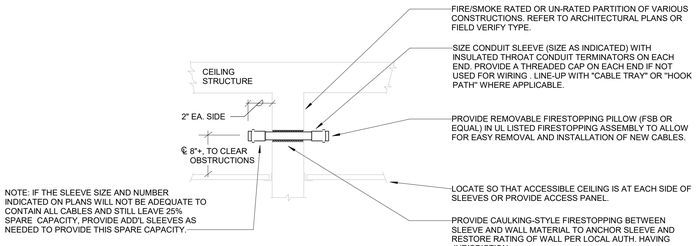
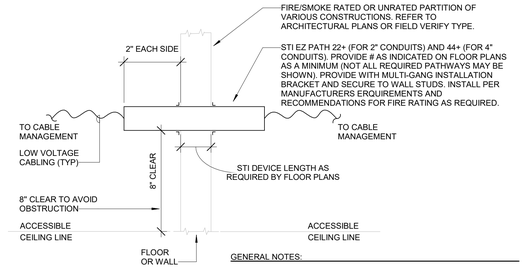


GENERAL NOTES:

A. PROVIDE ONE 2" SPARE CONDUIT SLEEVE THROUGH ALL FULL HEIGHT PARTITIONS FOR FUTURE USE. LABEL AS SPARE FOR OWNER'S USE ONLY. REFER TO ARCHITECTURAL PLANS FOR FULL HEIGHT PARTITION LOCATIONS.
B. USE AT ALL "OPEN" TYPE CABLING PENETRATIONS THROUGH WALLS, FLOORS, ETC.

1 CONDUIIT WALL SLEEVE INSTALLATION

E501 SCALE: NOT TO SCALE



GENERAL NOTES:

A. PATHWAYS SHALL BE PROVIDED WHERE PENETRATING CEILINGS (RATED OR NOT) FOR EXPOSED CABLE ROUTING TO LADDER TRAY IN MDF/IDF ROOMS. PROVIDE GRID SYSTEMS MOUNT AS REQUIRED.

2 CONDUIIT WALL SLEEVE INSTALLATION (EZ PATH)

E501 SCALE: NOT TO SCALE

ACCESS CONTROL SYSTEM (TAGGED NOTES)

1. DOOR JUNCTION PANEL ABOVE DOOR PROVIDED AND INSTALLED BY THE ACCESS CONTROL VENDOR/CONTRACTOR. REFER TO DOOR HARDWARE SPECIFICATIONS AND FLOOR PLANS FOR ALL LOCATIONS.
2. PROVIDE CONDUIT STUB-OUT FROM DOOR FRAME TO 6" ABOVE CEILING AT DOOR LOCATION AS REQUIRED FOR DOOR POSITION CONTACT SWITCHES, AUTO OPERATORS, MAGNETIC LOCKS, ETC. PROVIDE ADDITIONAL CONDUITS AND LOCATIONS AS REQUIRED FOR ADDITIONAL DEVICES. REFER TO DOOR HARDWARE SPECIFICATIONS AND FLOOR PLANS FOR DEVICES REQUIRED.
3. PROVIDE CONDUIT STUB-OUT FROM DOOR OPERATOR DEVICE 6" ABOVE CEILING AT DOOR LOCATION AS REQUIRED FOR CARD READERS, TOUCHLESS ACTUATORS, KEYPADS, ETC. PROVIDE ADDITIONAL CONDUITS AT LOCATIONS AS REQUIRED FOR ADDITIONAL DEVICES. REFER TO DOOR HARDWARE SPECIFICATIONS AND FLOOR PLANS FOR DEVICES REQUIRED.
4. PROVIDE CONDUIT STUB-OUT FROM DOOR FRAME TO 6" ABOVE CEILING AT DOOR LOCATION AS REQUIRED FOR FOR ELECTRIC POWER TRANSFER, ELECTRIC STRIKE, ETC. PROVIDE ADDITIONAL CONDUITS AT LOCATIONS AS REQUIRED FOR ADDITIONAL DEVICES. REFER TO DOOR HARDWARE SPECIFICATIONS AND FLOOR PLANS FOR DEVICES REQUIRED.
5. ROUTE 120V EMERGENCY LIFE-SAFETY POWER TO ALL DOOR POWER SUPPLIES, AUTO DOOR OPERATORS, ETC. AS REQUIRED. REFER TO DOOR HARDWARE SPECIFICATIONS AND FLOOR PLANS FOR DEVICES REQUIRED.

ACCESS CONTROL SYSTEM (GENERAL NOTES)

A. PROVIDE ALL NECESSARY BACKBOXES, CONDUITS AND ROUGH-INS REQUIRED, REFER TO DOOR HARDWARE SPECIFICATIONS FOR DOOR RISER REQUIREMENTS PER DOOR AND FOR EQUIPMENT ITEMS AND CONNECTIONS.
B. REFER TO DOOR HARDWARE SPECIFICATIONS SECTION FOR ADDITIONAL REQUIREMENTS. PROVIDE ALL CONDUITS AND FINAL TERMINATIONS OF PATHWAYS AT ALL DOOR FRAMES, WALLS, BACKBOXES, ETX AS REQUIRED FOR WIRING PATHWAYS.
C. PROVIDE 3/4" CONDUIT MINIMUM FOR ALL ACCESS CONTROL ROUGH-IN AND STUB-OUTS.

3 TYPICAL DOOR HARDWARE ROUGH-IN ELEVATION

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ELECTRICAL DETAILS

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ELECTRICAL - LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN	EQUAL MANUFACTURERS	MOUNTING	LAMPS / CCT	MINIMUM LUMENS	MAXIMUM WATTAGE	VOLTAGE	REMARKS
B1									
C24	LED 2X4 DIRECT/INDIRECT TROFFER, STEEL HOUSING, PAINTED AFTER FABRICATION	LITHONIA - 1AVL4-30LSE-MDR-MVOLT-EZ1-PL840			4000K LED/80 CRI		47	120	
C24E	LED 2X4 DIRECT/INDIRECT TROFFER, STEEL HOUSING, PAINTED AFTER FABRICATION W/ EMERGENCY BATTERY PACK	LITHONIA - 1AVL4-30LSE-MDR-MVOLT-EZ1-PL840			4000K LED/80 CRI		47	120	
F24	LED 2X4 FLAT PANEL	COOPER - 24FP3130C			3000K LED/80 CRI		29	120	
L68	4" RECESSED LINEAR LED, CONTINUOUS LINEAR RUN, EXTRUDED ALUMINUM HOUSING	SL4L-LOP-4FT-FLP-TG-80CRI-40K-800LMF-277-EC0D2			4000K LED		32	277	THE INTENT IS TO PROVIDE A CONTINUOUS LINEAR RECESSED FIXTURE. DRAWINGS ARE SHOWN WITH MULTIPLE FIXTURE TYPES TO COMPLETE A CONTINUOUS LENGTH.
P2E	36" DIA PENDANT. FINISH BY ARCHITECT. WITH EMERGENCY BATTERY PACK	BARBICAN DRUM 36D-12H-ACW-HTO-277V-4000K-90CRI-XX-LED3800LM/40W-DB(0-10V)-EM	OR APPROVED EQUAL	PENDANT AT 12'-6" AFF	4000K LED	3800 LUMENS	40	277	
P5	6" DIA PENDANT AND MOUNTING. FINISH BY ARCHITECT	INDY LC6-P-08-40-MVOLT-X-G4-80CRI-EZ10	OR APPROVED EQUAL	PENDANT	4000K LED	800 LUMENS	18	277	
PL1							37	277	
PL2							37	277	
PL3							37	277	
S1	4' LED INDUSTRIAL STRIP FIXTURE WITH SWITCHABLE LUMEN OUTPUTS	LITHONIA CSS ALO3 MVOLT 40K 80CRI ZACVH M100	OR APPROVED EQUAL	SUSPENDED	4000K LED	4,000 LUMENS	36	277	

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ELECTRICAL LUMINAIRE SCHEDULE

22-106

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PANELBOARD AND WIRING SCHEDULE

PANEL: MP1 — **MAINS TYPE:** 1200A MCB — **PANEL INTERRUPTING RATING:** 25 kAIC — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 480Y/277V,3P,4W — **SPD:** Yes — **LOCATION:** ELEC. 120
AMPERES: 1200 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** UT

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1	0.0			2						
DP1 (T-DP1)				350	3	3		0.0	0.0	4	3	400				M1 / M3
						5				6						
						7	0.0	0.0		8						
L1				100	3	9		0.0	0.0	10	3	60				NHS1
						11			0.0	12						
						13	0.0	0.0		14						
ATS-LS				200	3	15		0.0	0.0	16	3	400				ATS-SB
						17			0.0	18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: M1 — **MAINS TYPE:** 400A MLO — **PANEL INTERRUPTING RATING:** 18 kAIC — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 480Y/277V,3P,4W — **SPD:** No — **LOCATION:** ELEC. 120
AMPERES: 400 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** MP1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1	0.0			2						
M3				400	3	3		0.0		4						
						5			0.0	6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: L1 — **MAINS TYPE:** 100A MLO — **PANEL INTERRUPTING RATING:** 10 kAIC — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 480Y/277V,3P,4W — **SPD:** No — **LOCATION:** ELEC. 120
AMPERES: 100 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** MP1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: DP1 — **MAINS TYPE:** 800A MCB — **PANEL INTERRUPTING RATING:** 25 kAIC — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 208Y/120V,3P,4W — **SPD:** No — **LOCATION:** ELEC. 120
AMPERES: 800 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** T-DP1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1	0.0	0.0		2						
NL1A / NL1B				225	3	3		0.0	0.0	4	3	225				NL2A / NL2B
						5			0.0	6						
						7	0.0			8						
NL3A / NL3B				225	3	9		0.0		10						
						11			0.0	12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: NL1A — **MAINS TYPE:** 225A MCB — **PANEL INTERRUPTING RATING:** 10 kAIC — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 208Y/120V,3P,4W — **SPD:** No — **LOCATION:** STORAGE (SS) 127
AMPERES: 225 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** DP1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
						43				44						
						45				46						
						47				48						
						49				50						
						51				52						
						53				54						
						55				56						
						57				58						
						59				60						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: NHS1 — **MAINS TYPE:** 60A MLO — **PANEL INTERRUPTING RATING:** 10 kAIC — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 480Y/277V,3P,4W — **SPD:** Yes — **LOCATION:** ELEC. 120
AMPERES: 60 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** MP1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: NL1B — **MAINS TYPE:** 225A MLO — **PANEL INTERRUPTING RATING:** 10 kAIC — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 208Y/120V,3P,4W — **SPD:** No — **LOCATION:** STORAGE (SS) 127
AMPERES: 225 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** NL1A

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
						43				44						
						45				46						
						47				48						
						49				50						
						51				52						
						53				54						
						55				56						
						57				58						
						59				60						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD SCHEDULE SYMBOLS :	
GFI	PROVIDE GROUND FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER
MLO	MAIN LUG ONLY
MCB	MAIN CIRCUIT BREAKER

PANELBOARD SCHEDULE NOTES :

A. ALL NEW PANELBOARDS SHALL BE ORDERED WITH "DOOR-IN-DOOR" OPTION.
B. PROVIDE LOCK-OUT TYPE CIRCUIT BREAKERS FOR ALL HARD-WIRED EQUIPMENT. CIRCUIT BREAKERS SERVING HVAC EQUIPMENT SHALL BE HACR TYPE.
C. PROVIDE TYPEWRITTEN SCHEDULES AT ALL PANELBOARDS. INDICATE ROOM NUMBERS BEING SERVED BY CIRCUIT ON SCHEDULE.
D. PROVIDE SIX (4) SPARE 1" CONDUITS STUBBED INTO ACCESSIBLE CEILING SPACE FROM ALL NEW RECESSED PANELBOARDS.
E. PROVIDE SIX (4) SPARE 1" CONDUITS STUBBED INTO ACCESSIBLE CEILING SPACE OF FLOOR BELOW FROM ALL NEW RECESSED PANELBOARDS.

PANEL SCHEDULE KEY		
MP1	DP1	NHS1
M1	NL1A	NL1B
L1	EL1	

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906 Monmouth Street, Newport, KY 41071

NOT FOR CONSTRUCTION

KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

ELECTRICAL PANEL SCHEDULES

22-106

E700

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PANELBOARD AND WIRING SCHEDULE

PANEL: NL2A — **MAINS TYPE:** 225A MCB — **PANEL INTERRUPTING RATING:** 10 kAIC — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 208Y/120V,3P,4W — **SPD:** No — **LOCATION:** STORAGE (ACAD) 215
AMPERES: 225 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** DP1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
							0.0 kVA	0.0 kVA	0.0 kVA							
							0 A	0 A	0 A							

TOTAL LOAD (kVA): 0.0 kVA 0.0 kVA 0.0 kVA
TOTAL CURRENT (A): 0 A 0 A 0 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: NL2B — **MAINS TYPE:** 225A MLO — **PANEL INTERRUPTING RATING:** 10 kAIC — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 208Y/120V,3P,4W — **SPD:** No — **LOCATION:** STORAGE (ACAD) 215
AMPERES: 225 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** NL2A

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
							0.0 kVA	0.0 kVA	0.0 kVA							
							0 A	0 A	0 A							

TOTAL LOAD (kVA): 0.0 kVA 0.0 kVA 0.0 kVA
TOTAL CURRENT (A): 0 A 0 A 0 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: M3 — **MAINS TYPE:** 400A MCB — **PANEL INTERRUPTING RATING:** 18 kAIC — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 480Y/277V,3P,4W — **SPD:** No — **LOCATION:** STORAGE (PUR) 321
AMPERES: 400 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** M1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
							0.0 kVA	0.0 kVA	0.0 kVA							
							0 A	0 A	0 A							

TOTAL LOAD (kVA): 0.0 kVA 0.0 kVA 0.0 kVA
TOTAL CURRENT (A): 0 A 0 A 0 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: NL3A — **MAINS TYPE:** 225A MCB — **PANEL INTERRUPTING RATING:** 10 kAIC — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 208Y/120V,3P,4W — **SPD:** No — **LOCATION:** STORAGE (PUR) 321
AMPERES: 225 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** DP1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
							0.0 kVA	0.0 kVA	0.0 kVA							
							0 A	0 A	0 A							

TOTAL LOAD (kVA): 0.0 kVA 0.0 kVA 0.0 kVA
TOTAL CURRENT (A): 0 A 0 A 0 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: NL3B — **MAINS TYPE:** 225A MLO — **PANEL INTERRUPTING RATING:** 10 kAIC — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 208Y/120V,3P,4W — **SPD:** No — **LOCATION:** STORAGE (PUR) 321
AMPERES: 225 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** NL3A

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
							0.0 kVA	0.0 kVA	0.0 kVA							
							0 A	0 A	0 A							

TOTAL LOAD (kVA): 0.0 kVA 0.0 kVA 0.0 kVA
TOTAL CURRENT (A): 0 A 0 A 0 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD SCHEDULE SYMBOLS :	
GFI	PROVIDE GROUND FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER
MLO	MAIN LUG ONLY
MCB	MAIN CIRCUIT BREAKER

PANELBOARD SCHEDULE NOTES :

A. ALL NEW PANELBOARDS SHALL BE ORDERED WITH "DOOR-IN-DOOR" OPTION.
B. PROVIDE LOCK-OUT TYPE CIRCUIT BREAKERS FOR ALL HARD-WIRED EQUIPMENT. CIRCUIT BREAKERS SERVING HVAC EQUIPMENT SHALL BE HACR TYPE.
C. PROVIDE TYPEWRITTEN SCHEDULES AT ALL PANELBOARDS. INDICATE ROOM NUMBERS BEING SERVED BY CIRCUIT ON SCHEDULE.
D. PROVIDE SIX (4) SPARE 1" CONDUITS STUBBED INTO ACCESSIBLE CEILING SPACE FROM ALL NEW RECESSED PANELBOARDS.
E. PROVIDE SIX (4) SPARE 1" CONDUITS STUBBED INTO ACCESSIBLE CEILING SPACE OF FLOOR BELOW FROM ALL NEW RECESSED PANELBOARDS.

PANEL SCHEDULE KEY		
NL2A	NL2B	M3
NL3A	NL3B	

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906 Monmouth Street, Newport, KY 41071

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KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

ELECTRICAL PANEL SCHEDULES

22-106

E701

PRINT DATE: 12/14/2023 11:15:17 AM

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PANELBOARD AND WIRING SCHEDULE

PANEL: LSH1 — **MAINS TYPE:** 100A MCB — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 480Y/277V,3P,4W — **SPD:** Yes — **PANEL INTERRUPTING RATING:**
AMPERES: 100 A — **MOUNTING:** SURFACE — **LOCATION:** EMERGENCY ELEC. 120A — **SUPPLY FROM:** ATS-LS

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1	0.0	0.0		2						
TRANSFORMER T-LSL1				25	3	3		0.0	0.0	4	3	60				LSH2
						5			0.0	6						
						7	0.0			8						
LSH3				60	3	9		0.0		10						
						11			0.0	12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: SBH1 — **MAINS TYPE:** 400A MLO — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 480Y/277V,3P,4W — **SPD:** No — **PANEL INTERRUPTING RATING:**
AMPERES: 400 A — **MOUNTING:** SURFACE — **LOCATION:** EMERGENCY ELEC. 120A — **SUPPLY FROM:** ATS-SB

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1	0.0			2						
TRANSFORMER T-SBL1				125	3	3		0.0		4						
						5			0.0	6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: SBL1 — **MAINS TYPE:** 400A MCB — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 208Y/120V,3P,4W — **SPD:** No — **PANEL INTERRUPTING RATING:**
AMPERES: 400 A — **MOUNTING:** SURFACE — **LOCATION:** EMERGENCY ELEC. 120A — **SUPPLY FROM:** T-SBL1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1	0.0	0.0		2						
SBL2				100	3	3		0.0	0.0	4	3	100				SBL3
						5			0.0	6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: LSH2 — **MAINS TYPE:** 60A MCB — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 480Y/277V,3P,4W — **SPD:** Yes — **PANEL INTERRUPTING RATING:**
AMPERES: 60 A — **MOUNTING:** SURFACE — **LOCATION:** STORAGE (ACAD) 215 — **SUPPLY FROM:** LSH1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: LSL1 — **MAINS TYPE:** 60A MCB — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 208Y/120V,3P,4W — **SPD:** Yes — **PANEL INTERRUPTING RATING:**
AMPERES: 60 A — **MOUNTING:** SURFACE — **LOCATION:** EMERGENCY ELEC. 120A — **SUPPLY FROM:** T-LSL1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1	0.0			2						
LSLG				60	3	3		0.0		4						
						5			0.0	6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: SBL2 — **MAINS TYPE:** 125A MLO — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 208Y/120V,3P,4W — **SPD:** No — **PANEL INTERRUPTING RATING:**
AMPERES: 125 A — **MOUNTING:** SURFACE — **LOCATION:** STORAGE (ACAD) 215 — **SUPPLY FROM:** SBL1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: LSH3 — **MAINS TYPE:** 60A MCB — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 480Y/277V,3P,4W — **SPD:** Yes — **PANEL INTERRUPTING RATING:**
AMPERES: 60 A — **MOUNTING:** SURFACE — **LOCATION:** STORAGE (PUR) 321 — **SUPPLY FROM:** LSH1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: LSLG — **MAINS TYPE:** 60A MLO — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 208Y/120V,3P,4W — **SPD:** No — **PANEL INTERRUPTING RATING:**
AMPERES: 60 A — **MOUNTING:** SURFACE — **LOCATION:** — **SUPPLY FROM:** LSL1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: SBL3 — **MAINS TYPE:** 125A MLO — **AVAILABLE FAULT CURRENT:**
VOLTAGE: 208Y/120V,3P,4W — **SPD:** No — **PANEL INTERRUPTING RATING:**
AMPERES: 125 A — **MOUNTING:** SURFACE — **LOCATION:** STORAGE (PUR) 321 — **SUPPLY FROM:** SBL1

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):							0.0 kVA	0.0 kVA	0.0 kVA							
TOTAL CURRENT (A):							0 A	0 A	0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD SCHEDULE SYMBOLS :

GFI	PROVIDE GROUND FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER
MLO	MAIN LUG ONLY
MCB	MAIN CIRCUIT BREAKER

PANELBOARD SCHEDULE NOTES :

A. ALL NEW PANELBOARDS SHALL BE ORDERED WITH "DOOR-IN-DOOR" OPTION.
B. PROVIDE LOCK-OUT TYPE CIRCUIT BREAKERS FOR ALL HARD-WIRED EQUIPMENT. CIRCUIT BREAKERS SERVING HVAC EQUIPMENT SHALL BE HACR TYPE.
C. PROVIDE TYPEWRITTEN SCHEDULES AT ALL PANELBOARDS. INDICATE ROOM NUMBERS BEING SERVED BY CIRCUIT ON SCHEDULE.
D. PROVIDE SIX (4) SPARE 1" CONDUITS STUBBED INTO ACCESSIBLE CEILING SPACE FROM ALL NEW RECESSED PANELBOARDS.
E. PROVIDE SIX (4) SPARE 1" CONDUITS STUBBED INTO ACCESSIBLE CEILING SPACE OF FLOOR BELOW FROM ALL NEW RECESSED PANELBOARDS.

PANEL SCHEDULE KEY		
LSH1	SBH1	SBL1
LSH2	LSL1	SBL2
LSH3	LSLG	SBL3

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MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

ELECTRICAL PANEL SCHEDULES

22-106

E702

PRINT DATE: 12/14/2023 11:15:19 AM

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FEEDER SCHEDULE NOTES:

A. REFER TO SPECIFICATIONS FOR CONDUCTOR REQUIREMENTS.

B. CURRENT CARRYING CONDUCTORS ARE SIZED FROM NEC-2020 TABLE 310.16 (75DEG C - FOR THHW/THW/THWN INSULATION). REFER TO PROJECT SPECIFICATIONS FOR ALLOWABLE CONDUIT AND WIRING METHODS.

C. GROUND WIRES ARE SIZED FROM NEC TABLE 250.122.

D. HVAC EQUIPMENT FEEDERS AND BRANCH CIRCUITS SHALL BE IN COPPER (UNLESS OTHERWISE NOTED).

E. CONDUIT FILL RATES ARE BASED UPON TABLE C.10 (PVC-80 CONDUIT WITH THHN/THWN/THWN-2 WIRE). REFER TO PROJECT SPECIFICATIONS FOR ALLOWABLE CONDUIT AND WIRING METHODS.

WIRE FEEDER SCHEDULE

Type	Wire Size

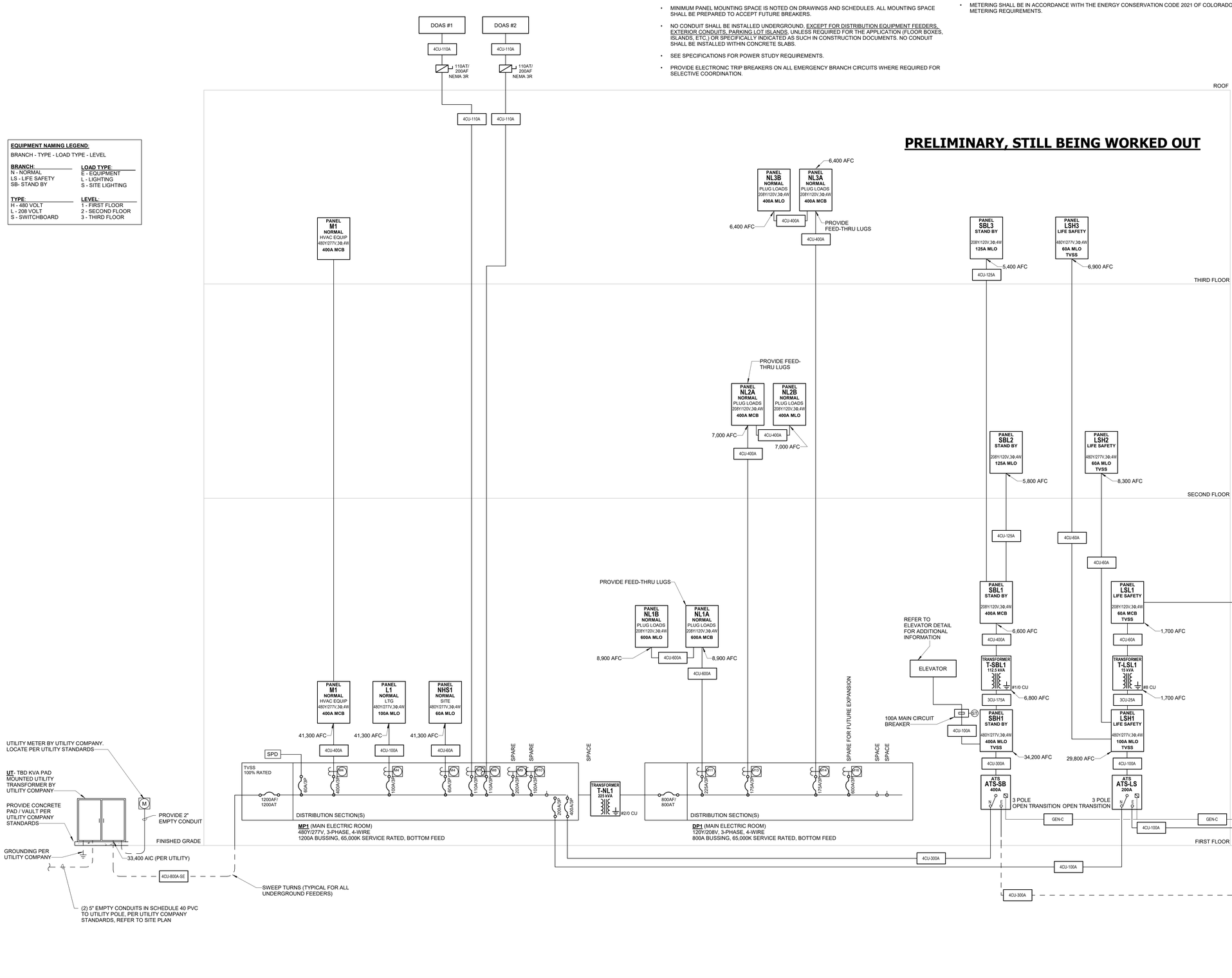
GENERAL POWER RISER NOTES:

- REFER TO SPECIFICATIONS FOR CONDUCTOR REQUIREMENTS.
- PROVIDE ENGRAVED LAMACOID LABELS FOR ALL POWER DISTRIBUTION EQUIPMENT FURNISHED OR MODIFIED IN THIS PROJECT, LABELS PER DETAILS AND SPECIFICATIONS.
- SERVICE EQUIPMENT SHALL BE MARKED WITH THE MAXIMUM AVAILABLE FAULT-CURRENT AT THE EQUIPMENT AND THE DATE THE CALCULATION WAS PERFORMED. APPLY A TYPE-WRITTEN ADHESIVE LABEL WITH WHITE BACKGROUND, 1/2" HIGH BLACK LETTERING.
- CONTRACTOR SHALL INSTALL SEPARATE CONDUITS, PULL BOXES, ETC. FOR EACH EMERGENCY POWER BRANCH & NORMAL POWER PER NEC FOR COMPLETE SEPARATION OF POWER SERVICES.
- ALL CIRCUIT BREAKERS AND/OR DISCONNECTS SERVING THE PRIMARY SIDE OF A TRANSFORMER WHICH ARE NOT WITHIN SITE OF THE TRANSFORMER SHALL BE PROVIDED WITH PERMANENTLY INSTALLED MEANS TO LOCK THE BREAKER IN THE OFF POSITION. SUCH TRANSFORMERS SHALL HAVE THE ROOM NAME AND NUMBER OF THE PRIMARY DISCONNECTING MEANS ENGRAVED ON THE EQUIPMENT NAMEPLATE.
- ALL SPARE BREAKERS SHALL BE SO LABELED IN CIRCUIT DIRECTORIES AND SHALL BE LEFT IN THE OFF POSITION.
- MINIMUM PANEL MOUNTING SPACE IS NOTED ON DRAWINGS AND SCHEDULES. ALL MOUNTING SPACE SHALL BE PREPARED TO ACCEPT FUTURE BREAKERS.
- NO CONDUIT SHALL BE INSTALLED UNDERGROUND, EXCEPT FOR DISTRIBUTION EQUIPMENT FEEDERS, EXTERIOR CONDUITS, PARKING LOT ISLANDS, UNLESS REQUIRED FOR THE APPLICATION (FLOOR BOXES, ISLANDS, ETC.) OR SPECIFICALLY INDICATED AS SUCH IN CONSTRUCTION DOCUMENTS. NO CONDUIT SHALL BE INSTALLED WITHIN CONCRETE SLABS.
- SEE SPECIFICATIONS FOR POWER STUDY REQUIREMENTS.
- PROVIDE ELECTRONIC TRIP BREAKERS ON ALL EMERGENCY BRANCH CIRCUITS WHERE REQUIRED FOR SELECTIVE COORDINATION.
- TRANSFER SWITCH SEQUENCE OF OPERATION SHALL BE AS FOLLOWS:
  - UPON LOSS OF UTILITY, ATS-FP AND ATS-LS SHALL TRANSFER TO EMERGENCY POWER FIRST. THESE ATSs SHALL REMAIN IN THE EMERGENCY POSITION UNTIL ACTUAL UTILITY POWER IS RESTORED FOR A PROGRAMMED DURATION.
  - ATS-SB SHALL TRANSFER AFTER THE OTHER TWO ATSs HAVE ALL TRANSFERRED SUCCESSFULLY TO EMERGENCY POWER.
- FIRE PUMP EMERGENCY AND NORMAL POWER SERVICE FEEDERS SHALL BE INSTALLED UNDERGROUND IN DUCT BANK. SEE DUCT BANK DETAIL. CONCRETE ENCASE WITH MINIMUM BURIAL AT 48".
- FIRE PUMP DISCONNECTING MEANS SHALL BE LABELED PER NEC 695(B)(3) AND (4) AND SHALL BE CAPABLE OF BEING LOCKED IN THE CLOSED POSITION.
- PER NEC 2020 REQUIREMENTS, PROVIDE PORTABLE GENERATOR CONNECTION CABINET FOR BACK-UP OF THE LIFE-SAFETY BRANCH DURING MAINTENANCE/OUTAGES ON THE PERMANENT GENERATOR. CABINET SHALL BE A LISTED MANUAL TRANSFER SWITCH WITH GENERATOR STARTUP CAPABILITY AND 120V/208V CONNECTIONS FOR GENERATOR ACCESSORIES. PROVIDE WITH KIRK-KEY INTERLOCK WITH GENERATOR LIFE-SAFETY ATS FEEDER BREAKER.
- ALL METERS SHOWN ON SINGLE LINE ARE TO BE PROVIDED WITH A NETWORK GATEWAY AND ALL ASSOCIATED NETWORK/ETHERNET CABLING FOR FULLY FUNCTIONAL SYSTEM. DISTRIBUTION PANELS WILL COME OUT PRE-WIRED WITH THE GATEWAY INCLUDED. E.C. SHALL PROVIDE ALL EXTERNAL CONNECTIONS BETWEEN GATEWAY DEVICES WITHIN CONDUIT.
- METERING SHALL BE IN ACCORDANCE WITH THE ENERGY CONSERVATION CODE 2021 OF COLORADO SECTION C405.12 END-USE METERING REQUIREMENTS.

EQUIPMENT NAMING LEGEND:

BRANCH - TYPE - LOAD TYPE - LEVEL

BRANCH:	LOAD TYPE:
N - NORMAL	E - EQUIPMENT
LS - LIFE SAFETY	L - LIGHTING
SB- STAND BY	S - SITE LIGHTING
TYPE:	**LEVEL:**
H - 480 VOLT	1 - FIRST FLOOR
L - 208 VOLT	2 - SECOND FLOOR
S - SWITCHBOARD	3 - THIRD FLOOR



1 ELECTRICAL SINGLE LINE
E800 SCALE: NOT TO SCALE

PRINT DATE: 12/14/2023 11:15:19 AM

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KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

ELECTRICAL SINGLE LINE

22-106

E800

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UTILITY COMPANY CONTACTS:

POWER:		
COMPANY	FirstName LastName	### ###.####
TELEPHONE:		
COMPANY	FirstName LastName	### ###.####
CABLE TELEVISION:		
COMPANY	FirstName LastName	### ###.####
WATER SEWER:		
COMPANY	FirstName LastName	### ###.####
GAS:		
COMPANY	FirstName LastName	### ###.####
FIRE CHIEF:		
FIRE DEPARMENT	FirstName LastName	### ###.####

IT IS THE CONTRACTORS RESPONSIBILITY TO MEET ALL LOCAL ORDINANCE AND MUNICIPAL REQUIREMENTS RELATED TO UTILITY INSTALLATION, INSPECTIONS, MATERIALS, FEES, ETC.

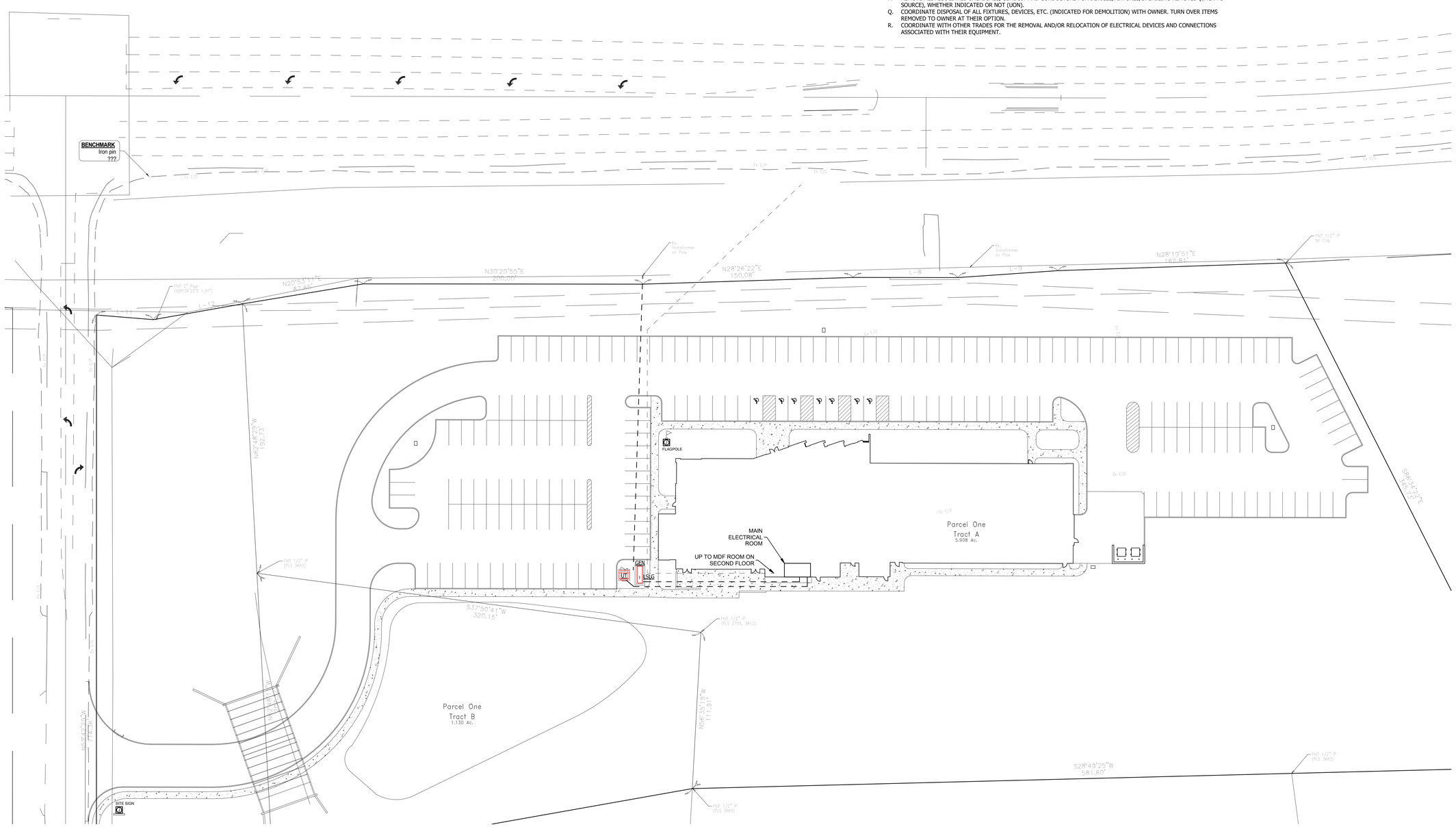
BEFORE YOU DIG

THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONTACT "BUD (BEFORE YOU DIG)" AT 1-800-752-6007 TO OBTAIN UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY CONTRACTOR OR SUBCONTRACTOR PERFORMING ANY TYPE OF EXCAVATION ON THIS PROJECT SHALL CALL "BUD" TO OBTAIN AN AUTHORIZATION NUMBER.

ELECTRICAL SITE UTILITY NOTES

A. DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS.
B. CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, ETC. AS REQUIRED FOR WORK. CONTRACTOR SHALL REPAIR ALL LANDSCAPING THAT IS DAMAGED IN THE COURSE OF HIS WORK.
C. WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICES IS PLANNED OR OCCURS ACCEDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME PROVIDING PREMEIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT PRICE.
D. FEDERAL, STATE, LOCAL, MUNICIPALITY, AND UTILITY COMPANY CODES, RULES, REGULATIONS, AND REQUIREMENTS APPLY UNLESS EXCEEDED BY THIS DESIGN.
E. PLANNED INTERRUPTION OF ANY SERVICE SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY, THE ARCHITECT, AND THE BUILDING OPERATORS AT LEASTE ONE WEEK IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED FROM THEM AT LEAST TWO WEEKS IN ADVANCE IN WRITING AND INSURE THAT THEY DO NOT DELAY WORK.
F. LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKE FROM VARIOUS SOURCES, ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS. EXISTING UTILITIES LOCATIONS MAY VARY (CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS. UTILITIES SHALL ALSO BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE BUILDING ENGINEER AND THE MEP ENGINEER'S REPRESENTATIVE. CONTRACTOR SHALL VISIT SITE AND FIELD VERIFY THE ROUTING OF ALL UTILITIES NEW AND EXISTING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID PROPOSAL INDICATES THAT THE CONTRACTOR IS FULLY AWARE OF ALL OBSTRUCTIONS AND WILL INSTALL ALL OF THE NEW UTILITIES WITHOUT REQUESTS FOR ANY ADDITIONAL CHANGES.
G. CONTRACTOR SHALL PATCH AND REPAIR ALL LANDSCAPING THAT IS DISTURBED BY WORK OCCURRING IN THIS PROJECT AS REQUIRED.
H. THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE DRAWINGS ARE APPROXIMATE ONLY.
I. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO LOCATE UNDERGROUND UTILITIES. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY ANY OTHER AFFECTED UTILITY OWNERS PRIOR TO DIGGING. IN THE EVENT OF ACCIDENTAL INTERRUPTION OF SERVICE, CONTRACTOR WILL IMMEDIATELY NOTIFY THE OTHER UTILITY OWNERS.
J. THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD OTHER EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE OTHER UTILITIES. THE UTILITY WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT.
K. CONTRACTOR SHALL PAY ALL TAP FEES, UTILITY COST, UTILITY CONNECTION COSTS, METER FEES, EXTENSION AND DEVELOPMENT CHARGES. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
L. THE UTILITY WILL PROVIDE STAKING DATA INCLUDING NORTHING AND EASTING DATA AS REQUIRED OR SHOWN ON DRAWINGS.
M. REATTACH ALL TAPS AND TRANSFORMERS AS TO MAINTAIN EXISTING PHASE CONNECTIONS.
N. CONTRACTOR RESPONSIBLE FOR MAINTAINING DOWNSTREAM SERVICE FROM REMOVED EQUIPMENT ON SITE. INCLUDING BUT NOT LIMITED TO SITE LIGHTING, TRANSFORMERS, ETC.
O. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS: THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
P. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES/FIXTURES/ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON).
Q. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
R. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.

TAGGED NOTES



MAGNETIC PLAN | 1 / ES100 | ELECTRICAL SITE UTILITY PLAN

SCALE: 1" = 30'-0"

PRINT DATE: 12/14/2023 11:15:20 AM

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KENTON COUNTY SCHOOL DISTRICT
NEW BOARD OFFICE

MADISON PIKE & TUSCANYVIEW DRIVE
COVINGTON, KY
BG# 24-084

NO.	DESCRIPTION	DATE
	DD SUBMITTAL	2023-12-14

ELECTRICAL SITE UTILITY PLAN

22-106

ES100

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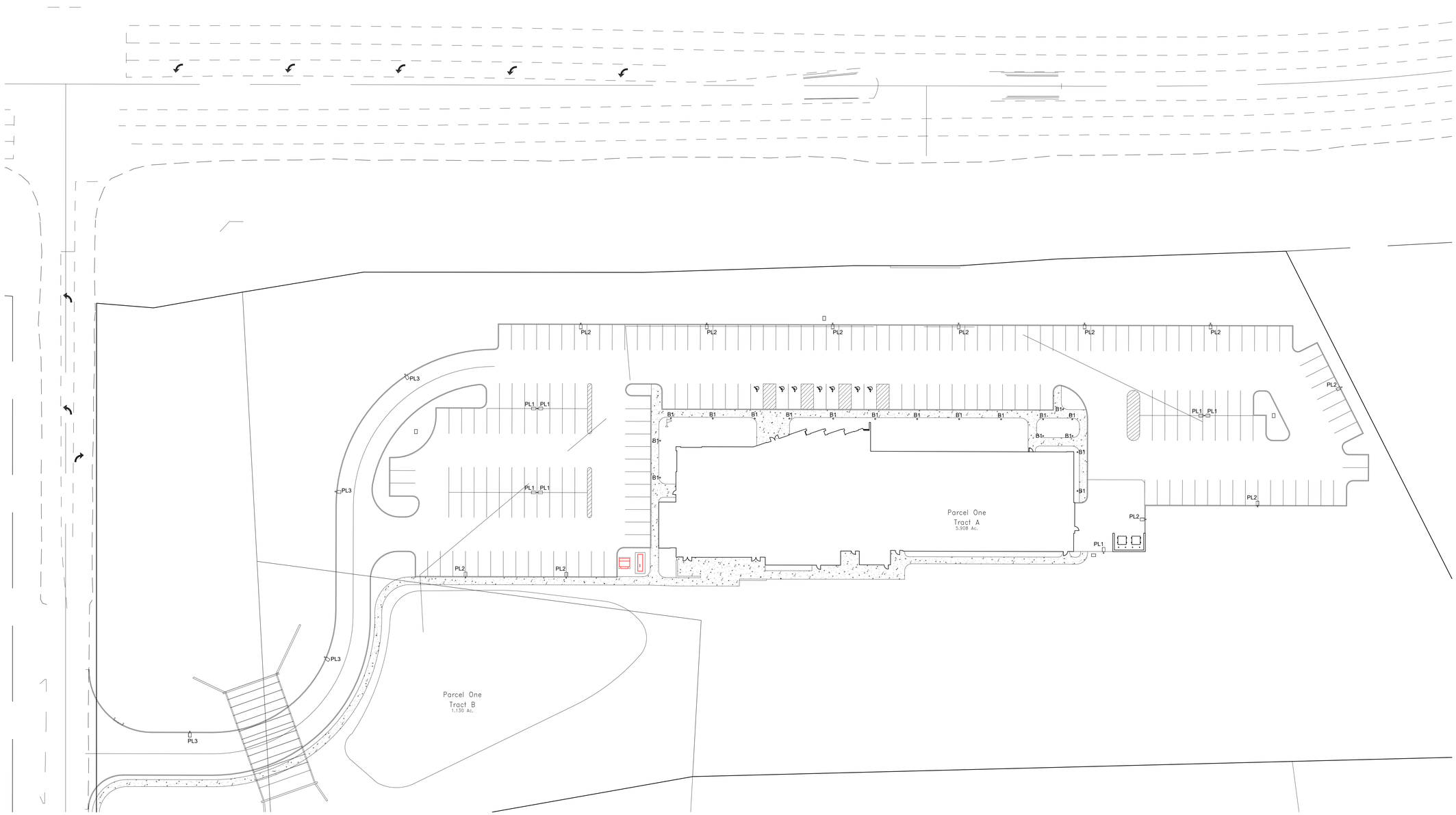
TAGGED NOTES ##

ELECTRICAL - SITE LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN		EQUAL MANUFACTURERS	MOUNTING	LAMPS / CCT	MINIMUM LUMENS	MAXIMUM WATTAGE	VOLTAGE	REMARKS
		MANUFACTURER	MODEL							
B1										
PL1		Refer to Type Catalog						37		
PL2		Refer to Type Catalog						37		
PL3		Refer to Type Catalog						37		



MAGNETIC PLAN 1 ELECTRICAL SITE LIGHTING PLAN
ES200 SCALE: 1" = 30'-0"

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ELECTRICAL SITE LIGHTING PLAN

22-106

ES200

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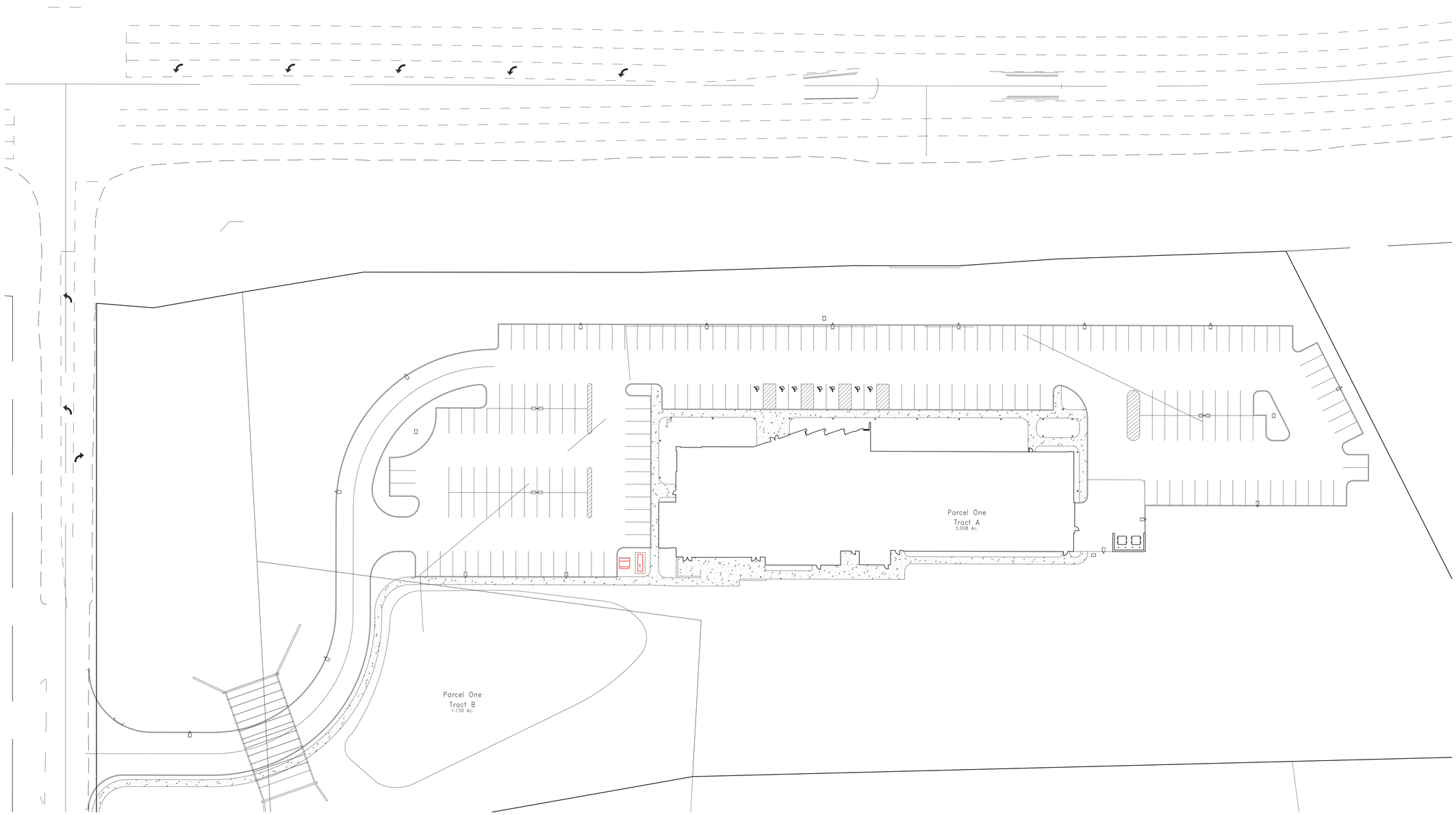

MAGNETIC PLAN | 1 ES201 | ELECTRICAL SITE LIGHTING CALCS
SCALE: 1" = 30'-0"

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ELECTRICAL SITE LIGHTING CALCS

22-106

ES201