

**Meridian Airport Authority, Dean Aircraft Services
Hangar Additions & Alterations**

ADDENDUM NO. 3

TO: All Bidders on the Above Referenced Product
FROM: Davis Purdy Architects, PLLC
DATE: March 13, 2020
SUBJECT: **ADDENDUM NO. 3**

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM IS REQUIRED ON BID FORM.

Clarifications and revisions to Contract Documents for the referenced project are as follows:

1. **CLARIFICATION:** Addendum No. 2 Item 5, Geotechnical Investigation dated 10/21/19, was left out of Addendum No. 2. Geotechnical Investigation dated 10/21/19 is attached.

2. **CLARIFICATION:** The following Electrical sheets were mistakenly left out of Addendum No. 2 released on 3/12/20:
 - a. E-000
 - b. E-003
 - c. E-004
 - d. E-005
 - e. E-102
 - f. E-103
 - g. E-104
 - h. E-105
 - i. E-201
 - j. E-202
 - k. E-204

- I. E-205
- m. E-302
- n. E-304
- o. E-305
- p. E-306
- q. E-401
- r. E-500

DRAWINGS

3. **DELETE:** Delete Electrical sheet **E-005** ELECTRICAL DIAGRAMS dated 2/14/20.

4. **ADD:** Add the following Electrical sheets dated 3/12/20:
 - a. **E-004** LIGHTNING PROTECTION
 - b. **E-005** TELEPHONE RISER DIAGRAMSheets E-004 & E-005 are attached.

5. **REPLACE:** Replace the following Electrical sheets dated 2/14/20 with the same sheets dated 3/12/20. The following sheets are also attached.
 - a. **E-000** ELECTRICAL LEGEND
 - b. **E-003** PUMP HOUSE ELECTRICAL PLAN & DETAILS
 - c. **E-102** PARTIAL LIGHTING PLAN 1ST FLOOR PART B
 - d. **E-103** PARTIAL LIGHTING PLAN 2ND FLOOR PART D
 - e. **E-104** PARTIAL LIGHTING PLAN 2ND & 3RD FLOOR
 - f. **E-105** PARTIAL LIGHTING PLAN 3RD FLOOR
 - g. **E-201** PARTIAL POWER PLAN 1ST FLOOR PART A
 - h. **E-202** PARTIAL POWER PLAN 1ST FLOOR PART B
 - i. **E-204** PARTIAL POWER PLAN 2ND FLOOR PART D
 - j. **E-205** PARTIAL POWER PLAN 2ND & 3RD – FLOOR PART D & E
 - k. **E-302** PARTIAL AUXILIARY PLAN 1ST FLOOR PART B
 - l. **E-304** PARTIAL AUXILIARY PLAN 2ND FLOOR PART D
 - m. **E-305** PARTIAL AUXILIARY PLAN 2ND & 3RD FLOOR – PART D & E
 - n. **E-306** PARTIAL AUXILIARY PLAN 3RD FLOOR PART E

- o. **E-401** PARTIAL MECHANICAL PLAN – 1ST FLOOR PART A
- p. **E-500** ELECTRICAL PANEL SCHEDULES

Submitted By



John L. Purdy, AIA

Davis Purdy Architects, PLLC

March 13, 2020

**ACKNOWLEDGEMENT OF RECEIPT OF THIS ADDENDUM IS
REQUIRED AND SHALL BE INDICATED ON BID FORM**

Engineering Plus

Planning • Surveying • Testing • Landscape Design

October 21, 2019

Mr. John L. Purdy, AIA, NCARB
D+P Architects, PLLC
2011 23rd Avenue
Meridian, MS 39305

RE: GEOTECHNICAL INVESTIGATION
Dean Maintenance Hangar Expansion – Key Field, Meridian, Mississippi
EP Project No. 17-278

Dear Mr. Purdy:

Engineering Plus appreciates the opportunity to serve as consultant for the above referenced project. The attached report presents field and laboratory methods utilized in assembling data for the assessment of subsurface soils and ground water encountered for the proposed aircraft hangar expansion at Key Field Dean Maintenance Hangar in Meridian, MS. All field and laboratory procedures have been accomplished in general accordance with applicable ASTM standard specifications.

We believe the information presented herein is sufficient for continued planning and development. We appreciate the opportunity to work with you and look forward to assisting you in a successful project. Please contact us should you have questions regarding the information provided or if we may be of additional service.

Sincerely yours,

ENGINEERING PLUS, INC.



Richmond L. Alexander, P.E.
Project Engineer

GEOTECHNICAL INVESTIGATION

DEAN MAINTENANCE HANGAR EXPANSION Key Field - Meridian, MS

FOR

D+P Architects, PLLC
Meridian, Mississippi

October 2019

Prepared by:

ENGINEERING PLUS, INC.

MERIDIAN, MISSISSIPPI



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PURPOSE AND WORK PERFORMED

The purpose of this geotechnical investigation is to determine the general characteristics of surface and subsurface soils within the area of proposed expansion. Using the information gathered during the investigation, recommendations for earthwork and foundation construction will be made. The work performed during this investigation consisted of the following:

- Six (6) soil borings in the footprint of the proposed expansion construction to depths of 30 feet;
- Natural moisture content tests on selected samples;
- Atterberg Limit determinations on selected samples;
- Grain size analyses on selected samples;
- Field observations related to site topography, and geology for the subject property and adjacent properties;
- Preparation of this report presenting our conclusions and recommendations relative to geotechnical aspects of the proposed construction.

Included in our report are discussions of site preparation considerations, including available material types and their suitability for use as foundation materials or engineered fill and design criteria for building foundations.

DESCRIPTION OF SITE CONDITIONS

The project site investigated is situated in part of the E ½ of Section 27, Township 6 North, Range 15 East, Lauderdale County, Mississippi. Specifically, the site is located on the south side of the existing Dean Maintenance Hangar site within Key Field at Meridian Regional Airport. The airport is located along US Highway 11 South (Airport Blvd.) in Meridian, Mississippi. The project site is currently a recently graded building pad adjacent to the existing hangar facility.

Proposed site improvements include a new multi-story office building and aircraft hangar to supplement the existing hangar and serve as an expansion to the existing facility.

FIELD INVESTIGATION

Six (6) borings were drilled by an Engineering Plus drill crew utilizing a Mobile B-47 truck-mounted continuous flight auger in the footprint of the proposed expansion to depths of thirty (30) feet below ground surface. The approximate boring locations were staked by an Engineering Plus drill crew and plotted on the Boring Location Plan in Appendix B. Preliminary site plan information and proposed boring locations for the expansion was provided by D+P Architects, PLLC prior to drilling at the project location.

Representative samples were collected from auger cuttings or a 2-inch outside diameter split barrel sampler. Samples were collected continuously for the first 6 to 10 ½ feet and at 5-foot to 10-foot intervals to boring termination. Additionally, Standard Penetration Resistance values (See ASTM D-1586) were determined and recorded on the boring logs for the various soils encountered. The Standard Penetration Resistance, or “N” value, is the number of blows required to drive an 18-inch standard split barrel sampler the final 12 inches utilizing a 140-pound hammer

and a free fall height of 30 inches. A rope and cathead drop system was utilized during Standard Penetration Testing. As the samples were collected, they were field classified and immediately placed in airtight containers for future testing and classification.

Groundwater was encountered during our investigation. Additional comments regarding groundwater are located in the section titled Subsurface Conditions.

LABORATORY TESTING

Laboratory analysis of selected samples included visual classification, moisture content determination, Atterberg limits and grain size analysis. A professional engineer prepared the final boring logs from field logs, collected samples and laboratory test results.

To aid in the general interpretation of the soil conditions at the project site, in-situ moisture contents (See ASTM D-4643) were determined within the various soil strata. This determination was made possible by placing extracted samples in sealed containers immediately upon removal from the sub-surface. Results of moisture content testing are depicted on the attached boring logs (See Appendix C).

Atterberg limit tests were conducted to determine the susceptibility of the cohesive soils encountered to shrink and swell with changes in moisture content. Liquid and plastic limit tests (See ASTM D-4318) were performed for selected representative samples taken from the various soil strata encountered. The liquid limit (LL) is the moisture content above which a soil behaves as a viscous fluid, whereas the plastic limit (PL) is the moisture content below which the soil behaves as a solid. The plasticity index (PI) is the numerical difference between the liquid and plastic limit and is indicative of the relative activity of a cohesive soil.

Soils exhibiting a low plasticity index are relatively inactive and are ordinarily suitable as a foundation material. Conversely, soils having a high plasticity index are susceptible to varying degrees of volume change (i.e. shrinkage and swelling) with fluctuations in moisture content.

Atterberg limit testing for representative samples taken from the project area indicate the near surface soils have plasticity indices ranging from 4 to 20. Based on this information, the near-surface soils encountered are considered to have a low to moderate potential for moisture induced volume change. Results of Atterberg limit testing are depicted on the attached boring logs (See Appendix C).

Grain size analyses were conducted on representative samples of the various soils encountered to determine the particle size distribution of materials comprising the strata. Results of these tests can be utilized in classifying the soils in accordance with the Unified Soil Classification System (See ASTM D-2487).

For your convenience, a listing of the symbols recognized by the Unified Soil Classification System and their meaning is provided with the boring logs (See Appendix C).

SUBSURFACE CONDITIONS

Details of subsurface conditions encountered by the soil borings are shown on the boring logs located in Appendix C. The boring logs represent our interpretation of the subsurface conditions based upon examination of the collected samples and laboratory testing of selected samples. Stratification lines on the boring logs represent approximate boundaries between soil types; however, the actual transition between soil types may be gradual. The general soil conditions and

their pertinent characteristics are discussed below.

Boring No. 1 discovered 2.5 feet of dense clayey sand followed by 3.5 feet of stiff to very stiff silty clay. Silty sand was then discovered to boring termination due to auger refusal at 7.5 feet below ground surface. The drilling crew encountered a hard surface at approximately 7.5 feet and could not advance the auger to deeper depths. Groundwater was not encountered during drilling activities.

Boring No. 2 encountered 4.5 feet of clayey sand underlain 3.5 feet of silty clay. Fat clay was then encountered for 4 feet followed by elastic silt and saturated silty sand to boring termination at 30 feet below ground surface. Groundwater was encountered during drilling activities at 18 feet below ground surface.

Boring No. 3 encountered 1.5 feet of medium dense clayey sand underlain by 1.5 feet of stiff silty clay. Medium dense silty sand was then encountered for 3 feet above 3 feet of loose silty sand. A layer of fat clay was then discovered for 7 feet above saturated silty sand to boring termination at 30 feet below ground surface. Groundwater was encountered during drilling activities at 18.5 feet below ground surface.

Boring No. 4 discovered 3 feet of clayey sand above 2 feet of slightly silty, sandy clay. Silty clay and clayey silt were then encountered for 3 feet above 10 feet of wet clayey and elastic silt. Saturated silty sand was then discovered to boring termination at 30 feet below ground surface. Groundwater was encountered during drilling activities at 18 feet below ground surface.

Boring No. 5 encountered 4.5 feet of clayey sand underlain by 3 feet of silty clay. Elastic silt was then encountered for 10.5 feet above saturated silty sand to boring termination at 30 feet below ground surface. Groundwater was encountered during drilling activities at 18 feet below ground surface.

Boring No. 6 discovered 4 feet of clayey sand followed by 3 feet of soft, moist slightly clayey silty sand. Wet elastic silt was then discovered for 6 feet underlain by 5 feet of fat clay. Saturated silty sand was then discovered to boring termination at 30 feet below ground surface. Groundwater was encountered during drilling activities at 18 feet below ground surface.

The borings are representative of subsurface conditions at each particular boring location and for their vertical reach only. Should materials not described in this report be encountered during construction, we respectfully request the opportunity to evaluate those materials and, if warranted, make changes and/or additions to our recommendations.

Groundwater was encountered during our drilling activities at approximately 18 feet below ground surface. It should be noted that groundwater levels may fluctuate seasonally and can be affected by changes in site development. Based on past experience at Key Field, groundwater may greatly influence foundation or sitework construction depending on the time of year in which construction occurs.

EARTHWORK AND SITE GRADING

We understand site improvements include new multi-story building and hangar construction to expand the existing Dean Maintenance Hangar Facility. The site has previously been graded for building construction. Based on existing topography and site conditions earthwork will consist of excavations for foundation construction.

Our borings indicate mostly clayey and silty sands as well as silty clays within the near-surface strata. These soils encountered are largely considered acceptable for foundation construction. At depths down to approximately 4-5 feet within the boring locations, these soils exhibited a medium dense to dense consistency in the clayey sands and a stiff consistency in the silty clays. As such, earthwork activities should involve excavations for foundation construction, preparation, compaction as necessary, and foundation construction in accordance with the following criteria:

Prior to foundation construction, any debris, organics and humus matter encountered during excavations should be removed from structural areas. With this particular site being a newly constructed pad for this project, it is not anticipated that any debris will be encountered. It is recommended that the existing pad compaction be verified with project specifications prior to any excavations for foundation construction. Compaction verification will also provide opportunity to confirm stability or locate any unstable areas. "Proof-rolling" may be utilized to confirm stability of the in-place soils. Proof-rolling is conducted by traversing the site with a loaded tandem-axle dump truck to identify ruts or signs of in-stability. Remediation of soft or unstable areas may consist of re-mixing, moisture conditioning, over-excavation, and/or geotextile reinforcement, and should be determined on a case-by-case basis by the engineer.

As noted above, soils encountered in **Boring No. 6** at anticipated foundation bearing elevations had a soft and moist consistency. This area should be inspected upon excavation to verify soil stability. It should be noted that during construction, remediation may be required to stabilize the foundation soils

In areas which will support structures, the soil subgrade and any necessary fill placement should be compacted to a minimum of 98% of maximum dry density per Modified Proctor (ASTM-D 1557). Compaction should be achieved in maximum loose lifts of 12 inches at a moisture content comparable ($\pm 2.0\%$) to the optimum moisture content established in the laboratory and compaction verified with each lift. It is recommended minimum of one density test be performed every 2,000 square feet per lift.

Materials suitable for borrow material used as fill placement should consist of a debris-free material, non-organic and classified as a lean clay, sandy clay, silty or clayey sand (CL, SM or SC) with a plasticity index (PI) within the range of 4 to 20 and a liquid limit less than 40.

It appears the existing soils on-site have maintained stability since construction however, they may be prone to instability during inclement weather and when subjected to repetitive construction traffic. As such, we recommend any earthwork be performed during the dry summer or fall season, if the schedule permits. **Final grading, as well as any grading during construction, should be such that surface water and storm water is expediently removed from the proximity of any structures.** Further, construction traffic across the site should be limited to prevent subgrade materials, which initially may demonstrate adequate stability, from becoming unstable.

Should significant revisions be made prior to the final design, we respectfully request the opportunity to re-evaluate these recommendations with the final design documents.

FOUNDATION RECOMMENDATIONS

Based upon our analysis and adherence to recommendations outlined above, the proposed structure can be supported by a shallow foundation system consisting of a monolithically cast reinforced slab-on-grade with perimeter grade beams or turned-down footings, stiffened grade beams below any load bearing walls and column footings. Any columns should be supported by widened portions of the grade beams.

The maximum allowable soil pressure beneath foundation members should not exceed 2,000 psf (pounds per square foot of contact area). Bearing capacities have been determined utilizing a factor of safety of 3.0. We recommend that perimeter grade beams or turned-down footings around the perimeter of the building bear a minimum of 2.5 feet below the finish grade elevation and have a minimum width of 24 inches. It is recommended that any interior grade beams bear a minimum of 2 feet below the bottom of the slab. Final footing size and required reinforcing steel and details should be determined by the structural consultant.

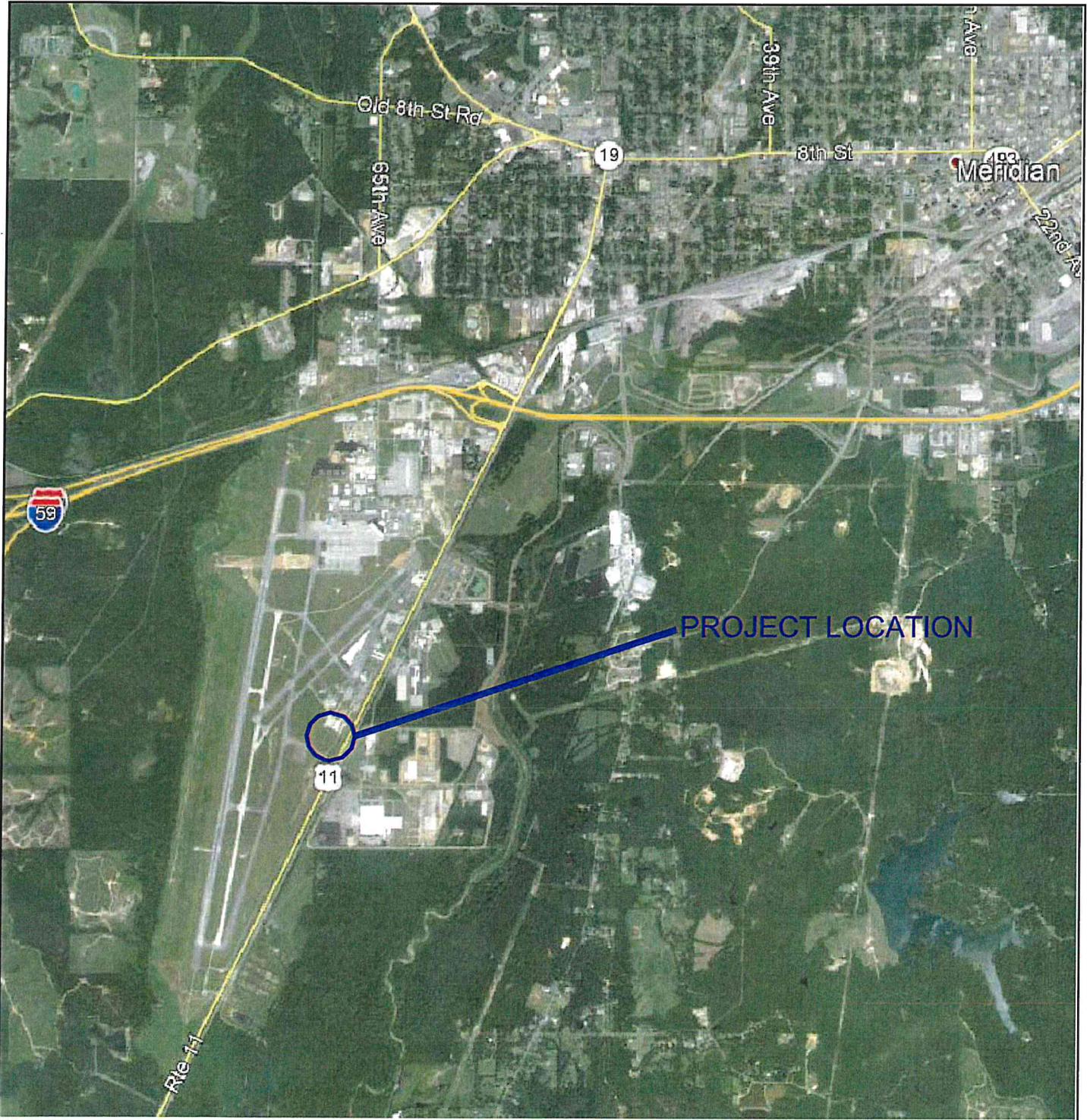
Based on the soils encountered during drilling activities, the anticipated loads imposed by the structure and foundation installation, we estimate the range for maximum total and differential settlement to be $\frac{3}{4}$ inch to $1 \frac{1}{4}$ inch. Previous construction and fill placement on the site has exposed a certain level of preloading on in-situ soils which should assist in minimizing post-construction settlements.

Floor slabs can be designed utilizing a modulus of subgrade reaction of 100 pci (pounds per square inch of contact area per inch of deflection). If a granular leveling material is not used as a capillary break beneath the floor slab, a 6-mil vapor barrier should be used. Typically, frost heave is not a problem in this area due to the climate and the anticipated bearing elevations provide more than adequate depth.

We recommend that foundation excavations be left open for the shortest amount of time possible to minimize the chance of bearing soils being exposed to moisture.

The bearing capacities recommended are applicable for structural fill provided the fill material meets the requirements described under **EARTHWORK AND SITE GRADING**.

APPENDIX A
SITE VICINITY MAP



Source: GOOGLE EARTH

SITE VICINITY MAP DEAN HANGAR EXPANSION KEY FIELD - MERIDIAN, MS

NORTH



Not to Scale

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DWG FILE: M:\wpwin60\2017\Geotech\17-278
Dean Maintenance Hangar

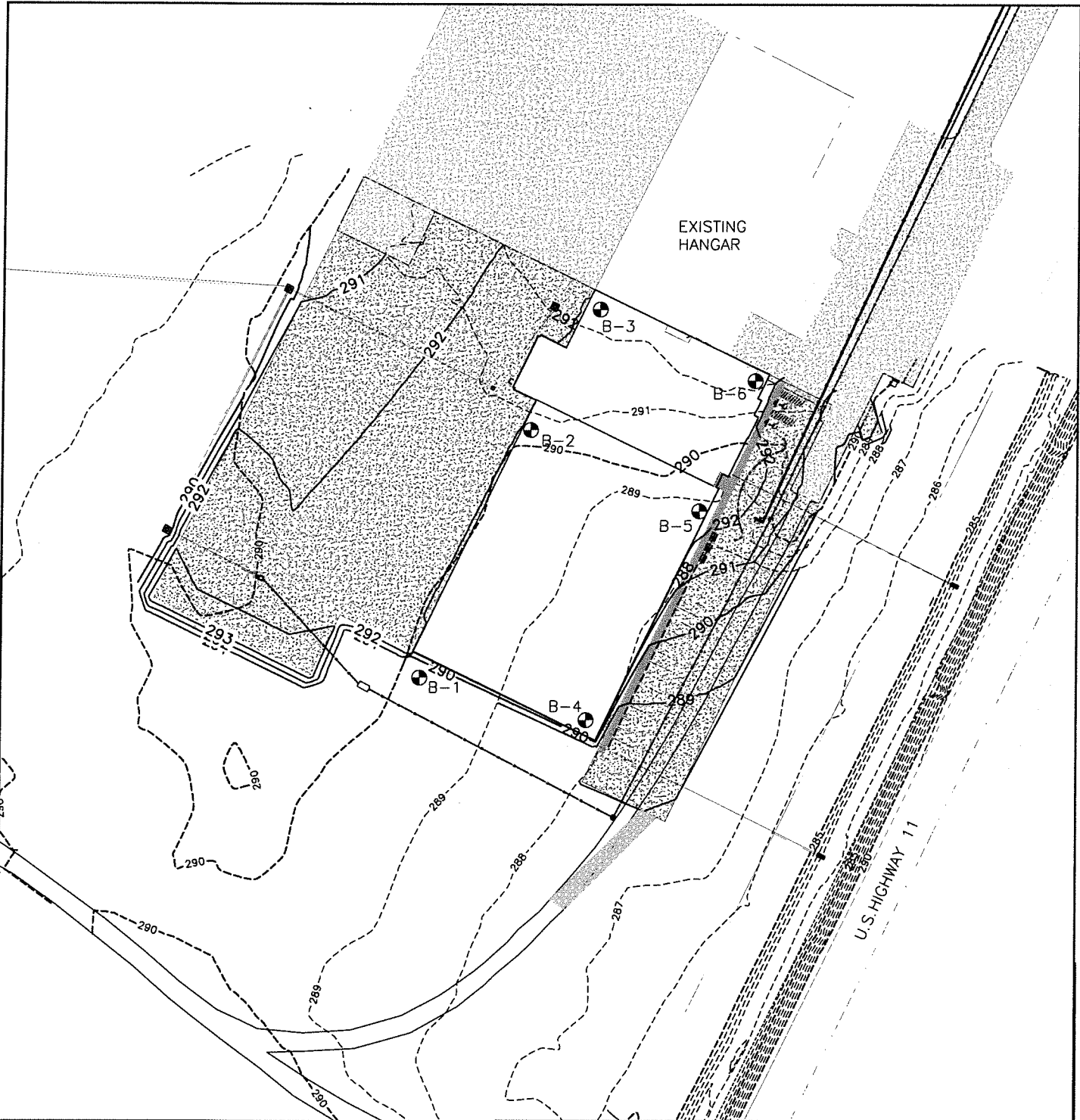
JOB NO. 17-278
DRAWING NO.

DATE: 10-15-19
DRAWN BY: RLA
CHECKED BY: KT


SHEET:

1 OF 1

APPENDIX B
BORING LOCATION PLAN



Source: Site Plan

 Approximate Boring Location

NORTH



Not to Scale

BORING LOCATION PLAN DEAN HANGAR EXPANSION KEY FIELD - MERIDIAN, MS

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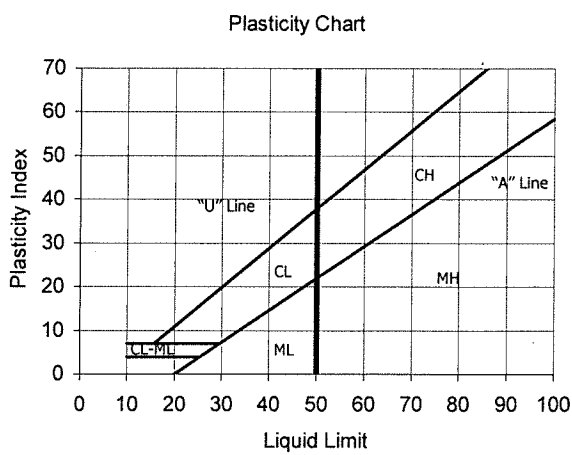
DWG FILE: M:\wpwin60\2017\Geotech\17-278
Dean Maintenance Hangar
JOB NO. 17-278
DRAWING NO.

DATE: 10-15-19
DRAWN BY: RLA
CHECKED BY: KT

SHEET:
1 OF 1

APPENDIX C
USCS CHART & BORING LOGS

Major Divisions		Group Symbols	Typical Names	Laboratory Classification Criteria					
Coarse-grained soils (More than half of material is larger than No. 200 sieve size)	Gravels (More than half of coarse fraction is larger than No. 4 sieve size)	Clean gravels (Little or no fines)	GW	Well-graded gravels, gravel sand mixtures, little or no fines	Determine percentages of gravel and sand from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:	$C_u = D_{60}/D_{10} > 4$; $C_c = D_{30}^2 / (D_{10} \times D_{60})$ between 1 and 3			
			GP	Poorly graded gravels, gravel-sand mixtures, little or no fines			Not meeting all gradation requirements for GW		
		Gravels with fines (Appreciable amount of fines)	GM*	d		Silty gravels, gravel-sand-silt mixtures	Atterberg limits below "A" line with P.I. less than 4	Above "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols	
				u					
		GC	Clayey gravels, gravel-sand-clay mixtures	Atterberg limits above "A" line with P.I. greater than 7					
	Sands (More than half of coarse fraction is smaller than No. 4 sieve size)	Clean sands (Little or no fines)	SW	Well-graded sands, gravelly sands, little or no fines		Less than 5 percent More than 12 percent 5 to 12 percent	$C_u = D_{60}/D_{10} > 6$; $C_c = D_{30}^2 / (D_{10} \times D_{60})$ between 1 and 3		
			SP	Poorly graded sands, gravelly sands, little or no fines				Not meeting all gradation requirements for SW	
		Sands with fines (Appreciable amount of fines)	SM*	d			Silty sands, sand-silt mixtures	Atterberg limits below "A" line with P.I. less than 4	Limits plotting in hatched zone with P.I. between 4 and 7 are borderline requiring use of dual symbols
				u					
			SC	Clayey sands, sand-clay mixtures			Atterberg limits Above "A" line with P.I. greater than 7		
Fine-grained soils (More than half of material is smaller than No. 200 sieve size)		Silts and Clays (Liquid limit less than 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity				
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays lean clays				
				OL	Organic silts and organic silty clays of low plasticity				
		Silts and clays (Liquid limit greater than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty, elastic silts				
				CH	Inorganic clays of high plasticity, fat clays				
	OH	Organic clays of medium to high plasticity, organic silts							
Highly organic soils	Pt	Peat and other highly organic soils							



*Division of GM and SM groups into subdivisions of d and u are for roads and airfields only. Subdivision is based on Atterberg limits; suffix d used when L.L. is 28 or less and the P.I. is 6 or less; the suffix u used when L.L. is greater than 28.

**Borderline classifications, used for possessing characteristics of two groups, are designated by combinations of group symbols. For example: GW-GC, well-graded gravel-sand mixture with clay binder.

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SOIL BORING LOG

PROJECT: Dean Maintenance Hangar Expansion	PROJECT NO: 17-278
CLIENT: D+P Architects, PLLC	BORING NO: B-1
LOGGER: R. Alexander	DATE: 10/3/2019
DRILLER: B. Lowery	SURFACE ELEVATION: ±292.3

Water Level	Depth (ft)	Sample	SPT	N - Value	DCP (blows/7.5")	Classification	Rig: Mobile B-47 Drilling Method: 2 1/4 SSA w/ SPT Backfill Method: Cuttings Boring Depth: 30 Feet Visual Classification - Remarks	Moisture Content (%)	Liquid Limit	Plasticity Index	- 200 %	Hammer: Rope and Cathead Plastic Limit / Moisture Liquid Limit / N - Value
	0					SC	Light reddish brown clayey sand w/ gravel					<div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 5px;"> 04080120 </div>
						SC	Brownish red clayey sand					
						CL	Light brown silty clay	19	38	20	67	
	5	X	2 6 12	18		CL	Grayish brown silty clay					
						SM	Grayish brown silty sand					
							Auger Refusal @ 7.5 ft.					
	10											
	15											
	20											
	25											

<input type="checkbox"/> Auger (ASTM D 1452) <input checked="" type="checkbox"/> Standard Penetration Test (ASTM D 1586)	<input checked="" type="checkbox"/> Shelby Tube (ASTM D 1587) <input checked="" type="checkbox"/> Initial Water Level <input checked="" type="checkbox"/> Delayed Water Level	Notes: Boring terminated @ -30 ft. Groundwater was not encountered during drilling activities.	<input type="checkbox"/> N - Value <input type="checkbox"/> Liquid Limit <input checked="" type="checkbox"/> Moisture <input type="checkbox"/> Plastic Index
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SOIL BORING LOG

PROJECT: Dean Maintenance Hangar Expansion	PROJECT NO: 17-278
CLIENT: D+P Architects, PLLC	BORING NO: B-2
LOGGER: R. Alexander	DATE: 10/3/2019
DRILLER: B. Lowery	SURFACE ELEVATION: ±292.3

Water Level	Depth (ft)	Sample	SPT	N - Value	DCP (blows/.75")	Classification	Rig: Mobile B-47				Hammer: Rope and Cathead					
							Drilling Method: 2 1/4 SSA w/ SPT				Plastic Limit / Moisture					
Backfill Method: Cuttings							Moisture Content (%)	Liquid Limit	Plasticity Index	- 200 %	Liquid Limit / N - Value					
Boring Depth: 30 Feet											0 40 80 120					
Visual Classification - Remarks																
	0					SC	Reddish brown clayey sand w/ gravel									
						SC	Brownish red clayey sand									
						SC	Brownish red clayey sand									
	5					CL	Brownish gray silty clay	15	25	7	54	◆	■	-		
						CH	Light brown fat clay									
	10					MH	Light brown elastic silt									
						MH	Light brown elastic silt									
	15						wet									
						SM	Light brown silty sand									
	20						saturated									
	25															

See Next Page

<input type="checkbox"/> Auger (ASTM D 1452)	<input checked="" type="checkbox"/> Shelby Tube (ASTM D 1587)	Notes: Boring terminated @ -30 ft.
<input checked="" type="checkbox"/> Standard Penetration Test (ASTM D 1586)	<input checked="" type="checkbox"/> Initial Water Level	Groundwater was encountered during drilling activities @ 18 ft. below ground surface
	<input checked="" type="checkbox"/> Delayed Water Level	

◆ N - Value

■ Moisture

- Liquid Limit

● Plastic Index

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SOIL BORING LOG

PROJECT: Dean Maintenance Hangar Expansion

PROJECT NO: 17-278

CLIENT: D+P Architects, PLLC

BORING NO: B-3

LOGGER: R. Alexander

DATE: 10/3/2019

DRILLER: B. Lowery

SURFACE ELEVATION: ±292.2

Water Level	Depth (ft)	Sample	SPT	N - Value	DCP (blows/.75")	Classification	Rig: Mobile B-47				Moisture Content (%)	Liquid Limit	Plasticity Index	- 200 %	Hammer: Rope and Cathead				
							Drilling Method: 2 1/4 SSA w/ SPT	Backfill Method: Cuttings	Boring Depth: 30 Feet	Visual Classification - Remarks					Plastic Limit / Moisture	Liquid Limit / N - Value			
	0		11			SC	Brownish red clayey sand (Import Fill)												
			6	12		CL	Reddish brown silty clay												
			5			SM	Brownish gray silty sand												
			4																
			12	16															
			7			SM	Brownish gray silty sand												
			10	17		SM	Brownish gray silty sand	16	37	15	39								
	5		3			SM	Brownish gray silty sand												
			4			SM	Brownish gray silty sand												
			5	9		SM	Brownish black silty sand												
						CH	Brownish gray fat clay												
	10																		
						CH	Dark brown fat clay												
	15																		
						SM	Dark gray silty sand												
							saturated												
	20																		
	25																		

See Next Page

<p><input type="checkbox"/> Auger (ASTM D 1452)</p> <p><input checked="" type="checkbox"/> Standard Penetration Test (ASTM D 1586)</p>	<p><input checked="" type="checkbox"/> Shelby Tube (ASTM D 1587)</p> <p><input checked="" type="checkbox"/> Initial Water Level</p> <p><input checked="" type="checkbox"/> Delayed Water Level</p>	<p>Notes: Boring terminated @ -30 ft.</p> <p>Groundwater was encountered during drilling activities @ 18.5 ft.</p>
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SOIL BORING LOG

PROJECT: Dean Maintenance Hangar Expansion	PROJECT NO: 17-278
CLIENT: D+P Architects, PLLC	BORING NO: B-3 (Cont'd)
LOGGER: R. Alexander	DATE: 10/3/2019
DRILLER: B. Lowery	SURFACE ELEVATION: ±292.2

Water Level	Depth (ft)	Sample	SPT	N - Value	DCP (blows/.75")	Classification	Rig: Mobile B-47 Drilling Method: 2 1/4 SSA w/ SPT Backfill Method: Cuttings Boring Depth: 30 Feet Visual Classification - Remarks	Moisture Content (%)	Liquid Limit	Plasticity Index	- 200 %	Hammer: Rope and Cathead Plastic Limit / Moisture Liquid Limit / N - Value
	25					SM	Dark gray silty sand saturated					0 40 80 120
	30						<i>Boring Terminated @ -30 ft.</i>					
	35											
	40											
	45											
	50											

<input type="checkbox"/> Auger (ASTM D 1452) <input checked="" type="checkbox"/> Standard Penetration Test (ASTM D 1586)	<input checked="" type="checkbox"/> Shelby Tube (ASTM D 1587) <input checked="" type="checkbox"/> Initial Water Level <input checked="" type="checkbox"/> Delayed Water Level	Notes: Boring terminated @ -30 ft. Groundwater was encountered during drilling activities @ -18.5 ft.	<input checked="" type="checkbox"/> N - Value <input checked="" type="checkbox"/> Moisture <input checked="" type="checkbox"/> Liquid Limit <input checked="" type="checkbox"/> Plastic Index
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Engineering Plus, Inc.

Planning - Surveying - Testing - Landscape Design

1724 B 23rd Avenue Meridian, Mississippi 39301 (601) 693-4234

SOIL BORING LOG

PROJECT: Dean Maintenance Hangar Expansion

PROJECT NO: 17-278

CLIENT: D+P Architects, PLLC

BORING NO: B-4

LOGGER: R. Alexander

DATE: 10/3/2019

DRILLER: B. Lowery

SURFACE ELEVATION: ±292.5

Water Level	Depth (ft)	Sample	SPT	N - Value	DCP (blows/7.5")	Classification	Rig: Mobile B-47			Moisture Content (%)	Liquid Limit	Plasticity Index	- 200 %	Hammer: Rope and Cathead				
							Drilling Method: 2 1/4 SSA w/ SPT	Backfill Method: Cuttings	Boring Depth: 30 Feet					Plastic Limit / Moisture Liquid Limit / N - Value				
Visual Classification - Remarks														0	40	80	120	
	0					SC	Red clayey sand (Import Fill)											
						CL	Brownish red sandy clay			16	26	9	57	●	■			
	5					CL	Brownish red silty clay											
						CL	Light brown clayey silt			19	21	4	51	●	■			
						ML	Dark brown clayey silt to elastic silt											
	10						wet											
	15																	
	20					SM	Light brown silty sand saturated											
	25																	

See Next Page

<input type="checkbox"/> Auger (ASTM D 1452) <input checked="" type="checkbox"/> Standard Penetration Test (ASTM D 1586)	<input checked="" type="checkbox"/> Shelby Tube (ASTM D 1587) <input checked="" type="checkbox"/> Initial Water Level <input checked="" type="checkbox"/> Delayed Water Level	Notes: Boring terminated @ -30 ft. Groundwater was encountered during drilling activities @ 18 ft.	<input type="checkbox"/> N - Value <input type="checkbox"/> Liquid Limit <input type="checkbox"/> Moisture <input type="checkbox"/> Plastic Index
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1724 B 23rd Avenue Meridian, Mississippi 39301 (601) 693-4234

SOIL BORING LOG

PROJECT: Dean Maintenance Hangar Expansion	PROJECT NO: 17-278
CLIENT: D+P Architects, PLLC	BORING NO: B-4 (Cont'd)
LOGGER: R. Alexander	DATE: 10/3/2019
DRILLER: B. Lowery	SURFACE ELEVATION: ±292.5

Water Level	Depth (ft)	Sample	SPT	N - Value	DCP (blows/.75")	Classification	Rig: Mobile B-47 Drilling Method: 2 1/4 SSA w/ SPT Backfill Method: Cuttings Boring Depth: 30 Feet Visual Classification - Remarks	Moisture Content (%)	Liquid Limit	Plasticity Index	- 200 %	Hammer: Rope and Cathead Plastic Limit / Moisture Liquid Limit / N - Value
	25					SM	Light brown silty sand saturated					0 40 80 120
	30						<i>Boring Terminated @ -30 ft.</i>					
	35											
	40											
	45											
	50											

<input type="checkbox"/> Auger (ASTM D 1452) <input checked="" type="checkbox"/> Standard Penetration Test (ASTM D 1586)	<input checked="" type="checkbox"/> Shelby Tube (ASTM D 1587) <input checked="" type="checkbox"/> Initial Water Level <input checked="" type="checkbox"/> Delayed Water Level	Notes: Boring terminated @ -30 ft. Groundwater was encountered during drilling activities @ -18 ft.	<input type="checkbox"/> N - Value <input type="checkbox"/> Liquid Limit <input type="checkbox"/> Moisture <input type="checkbox"/> Plastic Index
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Planning - Surveying - Testing - Landscape Design

1724 B 23rd Avenue Meridian, Mississippi 39301 (601) 693-4234

SOIL BORING LOG

PROJECT: Dean Maintenance Hangar Expansion	PROJECT NO: 17-278
CLIENT: D+P Architects, PLLC	BORING NO: B-5
LOGGER: R. Alexander	DATE: 10/3/2019
DRILLER: B. Lowery	SURFACE ELEVATION: ±292.2

Water Level	Depth (ft)	Sample	SPT	N - Value	DCP (blows/7.5")	Classification	Rig: Mobile B-47				Moisture Content (%)	Liquid Limit	Plasticity Index	- 200 %	Hammer: Rope and Cathead				
							Drilling Method: 2 1/4 SSA w/ SPT								Backfill Method: Cuttings				Plastic Limit / Moisture Liquid Limit / N - Value
							Boring Depth: 30 Feet								0	40	80	120	
							Visual Classification - Remarks												
	0					SC	Red clayey sand (Import Fill)												
						SC	Reddish brown clayey sand												
	5					CL	Gray silty clay				16	28	11	55					
						CL	Gray silty clay												
						MH	Brown elastic silt												
	10																		
	15																		
	20					SM	Brown silty sand saturated												
	25																		

See Next Page

<input type="checkbox"/> Auger (ASTM D 1452) <input checked="" type="checkbox"/> Standard Penetration Test (ASTM D 1586)	<input checked="" type="checkbox"/> Shelby Tube (ASTM D 1587) <input checked="" type="checkbox"/> Initial Water Level <input checked="" type="checkbox"/> Delayed Water Level	Notes: Boring terminated @ -30 ft. Groundwater was encountered during drilling activities @ 18 ft.	<input checked="" type="checkbox"/> N - Value <input checked="" type="checkbox"/> Liquid Limit <input checked="" type="checkbox"/> Moisture <input checked="" type="checkbox"/> Plastic Index
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Engineering Plus, Inc.

Planning - Surveying - Testing - Landscape Design

1724 B 23rd Avenue Meridian, Mississippi 39301 (601) 693-4234

SOIL BORING LOG

PROJECT: Dean Maintenance Hangar Expansion	PROJECT NO: 17-278
CLIENT: D+P Architects, PLLC	BORING NO: B-5 (Cont'd)
LOGGER: R. Alexander	DATE: 10/3/2019
DRILLER: B. Lowery	SURFACE ELEVATION: ±292.2

Water Level	Depth (ft)	Sample	SPT	N - Value	DCP (blows/7.5")	Classification	Rig: Mobile B-47				Moisture Content (%)	Liquid Limit	Plasticity Index	- 200 %	Hammer: Rope and Cathead					
							Drilling Method: 2 1/4 SSA w/ SPT	Backfill Method: Cuttings	Boring Depth: 30 Feet	Visual Classification - Remarks					Plastic Limit / Moisture	Liquid Limit / N - Value	0	40	80	120
	25					SM	Brown silty sand saturated													
	30						Boring Terminated @ -30 ft.													
	35																			
	40																			
	45																			
	50																			

<input type="checkbox"/> Auger (ASTM D 1452) <input checked="" type="checkbox"/> Standard Penetration Test (ASTM D 1586)	<input checked="" type="checkbox"/> Shelby Tube (ASTM D 1587) <input checked="" type="checkbox"/> Initial Water Level <input checked="" type="checkbox"/> Delayed Water Level	Notes: Boring terminated @ -30 ft. Groundwater was encountered during drilling activities @ -18 ft.	<input checked="" type="checkbox"/> N - Value <input checked="" type="checkbox"/> Liquid Limit	<input checked="" type="checkbox"/> Moisture <input checked="" type="checkbox"/> Plastic Index
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Engineering Plus, Inc.

Planning - Surveying - Testing - Landscape Design

1724 B 23rd Avenue Meridian, Mississippi 39301 (601) 693-4234

SOIL BORING LOG

PROJECT: Dean Maintenance Hangar Expansion	PROJECT NO: 17-278
CLIENT: D+P Architects, PLLC	BORING NO: B-6
LOGGER: R. Alexander	DATE: 10/3/2019
DRILLER: B. Lowery	SURFACE ELEVATION: ±291.8

Water Level	Depth (ft)	Sample	SPT	N - Value	DCP (blows/.75")	Classification	Rig: Mobile B-47				Moisture Content (%)	Liquid Limit	Plasticity Index	- 200 %	Hammer: Rope and Cathead						
							Drilling Method: 2 1/4 SSA w/ SPT	Backfill Method: Cuttings	Boring Depth: 30 Feet	Visual Classification - Remarks					Plastic Limit / Moisture	Liquid Limit / N - Value	0	40	80	120	
	0					SC	Red clayey sand														
	5					SC SM	Gray slightly clayey silty sand soft, moist	18	22	4	43										
	10					MH	Brown elastic silt wet														
	15					CH	Dark brown fat clay														
	20					SM	Dark brownish gray silty sand saturated														
	25																				

See Next Page

<input type="checkbox"/> Auger (ASTM D 1452)	<input checked="" type="checkbox"/> Shelby Tube (ASTM D 1587)	Notes: Boring terminated @ -30 ft. Groundwater was encountered during drilling activities @ 18 ft.	<input type="checkbox"/> N - Value	<input checked="" type="checkbox"/> Moisture
<input checked="" type="checkbox"/> Standard Penetration Test (ASTM D 1586)	<input checked="" type="checkbox"/> Initial Water Level		<input type="checkbox"/> Liquid Limit	<input checked="" type="checkbox"/> Plastic Index
<input checked="" type="checkbox"/> Delayed Water Level				

Engineering Plus, Inc.

Planning - Surveying - Testing - Landscape Design

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SOIL BORING LOG

PROJECT: Dean Maintenance Hangar Expansion	PROJECT NO: 17-278
CLIENT: D+P Architects, PLLC	BORING NO: B-6 (Cont'd)
LOGGER: R. Alexander	DATE: 10/3/2019
DRILLER: B. Lowery	SURFACE ELEVATION: ±291.8

Water Level	Depth (ft)	Sample	SPT	N - Value	DCP (blows/.75')	Classification	Rig: Mobile B-47	Moisture Content (%)	Liquid Limit	Plasticity Index	- 200 %	Hammer: Rope and Cathead
							Drilling Method: 2 1/4 SSA w/ SPT					Plastic Limit / Moisture
							Backfill Method: Cuttings					Liquid Limit / N - Value
							Boring Depth: 30 Feet					
							Visual Classification - Remarks					
	- 25 -					SM	Dark brownish gray silty sand saturated					0 40 80 120
	- 30 -						<i>Boring Terminated @ -30 ft.</i>					
	- 35 -											
	- 40 -											
	- 45 -											
	- 50 -											

<input type="checkbox"/> Auger (ASTM D 1452) <input checked="" type="checkbox"/> Standard Penetration Test (ASTM D 1586)	<input checked="" type="checkbox"/> Shelby Tube (ASTM D 1587) <input checked="" type="checkbox"/> Initial Water Level <input checked="" type="checkbox"/> Delayed Water Level	Notes: Boring terminated @ -30 ft. Groundwater was encountered during drilling activities @ -18 ft.	<input checked="" type="checkbox"/> N - Value <input checked="" type="checkbox"/> Liquid Limit <input checked="" type="checkbox"/> Moisture <input checked="" type="checkbox"/> Plastic Index
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APPENDIX D
SOIL TEST RESULTS

Engineering Plus, Inc.

Planning - Surveying - Testing - Landscape Design

1724 B 23rd Avenue Meridian, Mississippi 39301 (601) 693-4234

Sieve Analysis

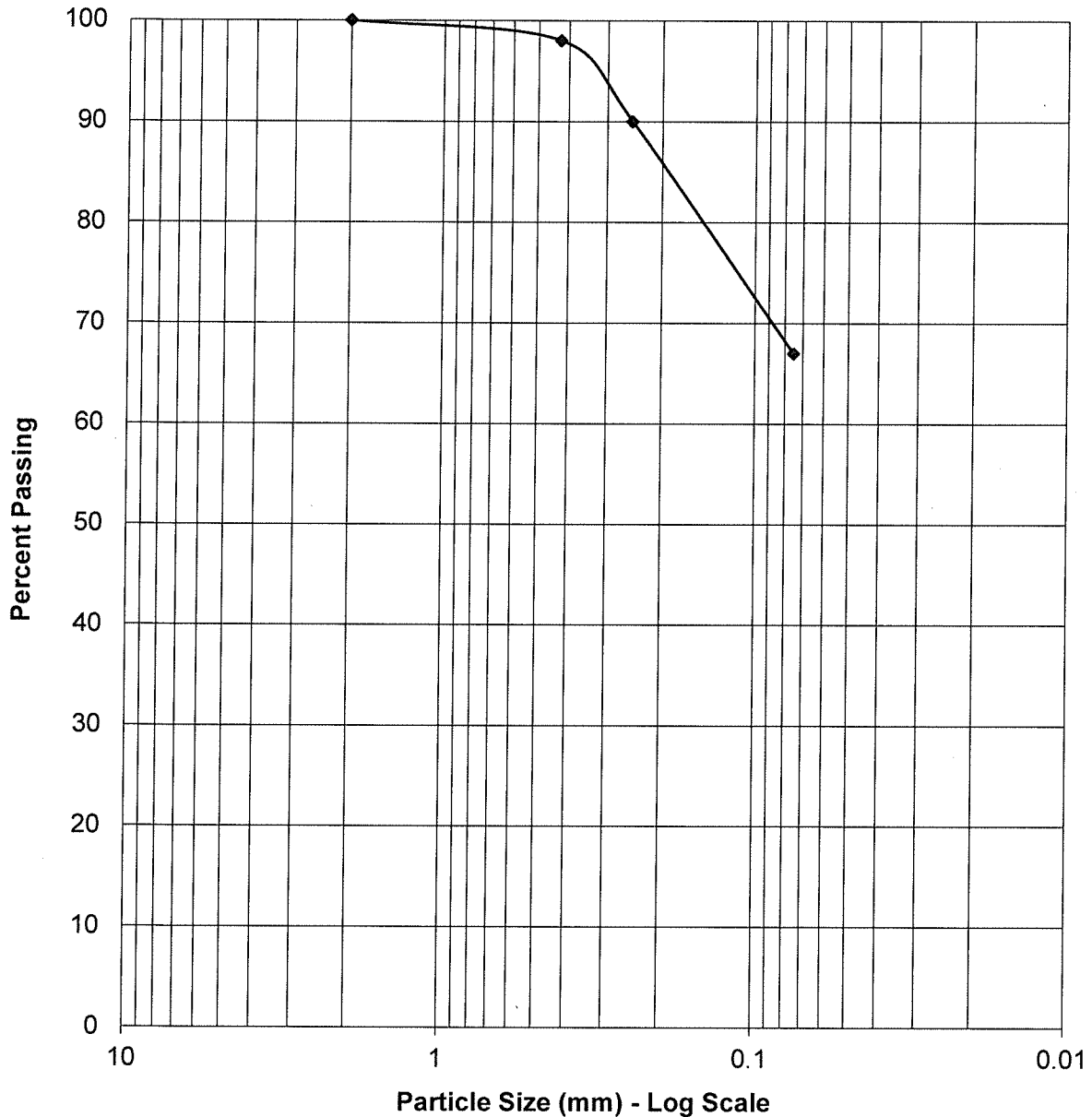
PROJECT: Dean Maintenance Hangar Expansion

PROJECT NO: 17-278

CLIENT: D+P Architects, PLLC

DATE: 10/9/2019

Sieve Analysis



Description: Light brown silty clay

Boring No:	B-1	Moisture Content	Atterberg Limits			Volume Change	Classification	
Depth:	3.5-4.5		LL	PL	PI	32%	Unified	AASHTO
		19	38	18	20	CL		
Sieve	Sieve Size (mm)	% Passing						
No. 10	2	100						
No. 40	0.425	98						
No. 60	0.25	90						
No. 200	0.075	67						

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Sieve Analysis

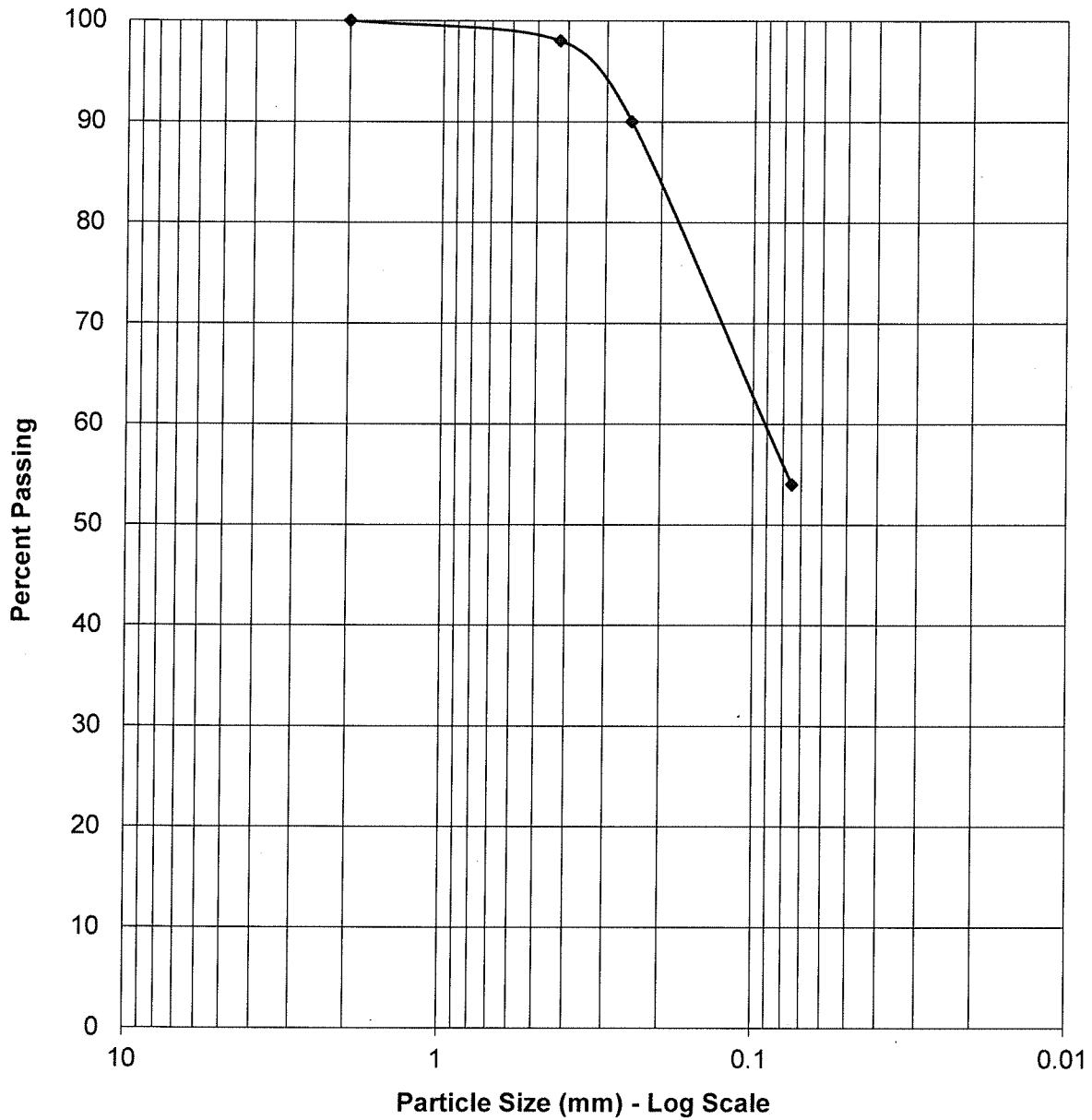
PROJECT: Dean Maintenance Hangar Expansion

PROJECT NO: 17-278

CLIENT: D+P Architects, PLLC

DATE: 10/9/2019

Sieve Analysis



Description: Brownish gray silty clay

Boring No:	B-2	Moisture Content	Atterberg Limits			Volume Change	Classification	
Depth:	4.5-8		LL	PL	PI		Unified	AASHTO
		15	25	18	7	13%	CL	
Sieve	Sieve Size (mm)	% Passing						
No. 10	2	100						
No. 40	0.425	98						
No. 60	0.25	90						
No. 200	0.075	54						

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Planning - Surveying - Testing - Landscape Design

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Sieve Analysis

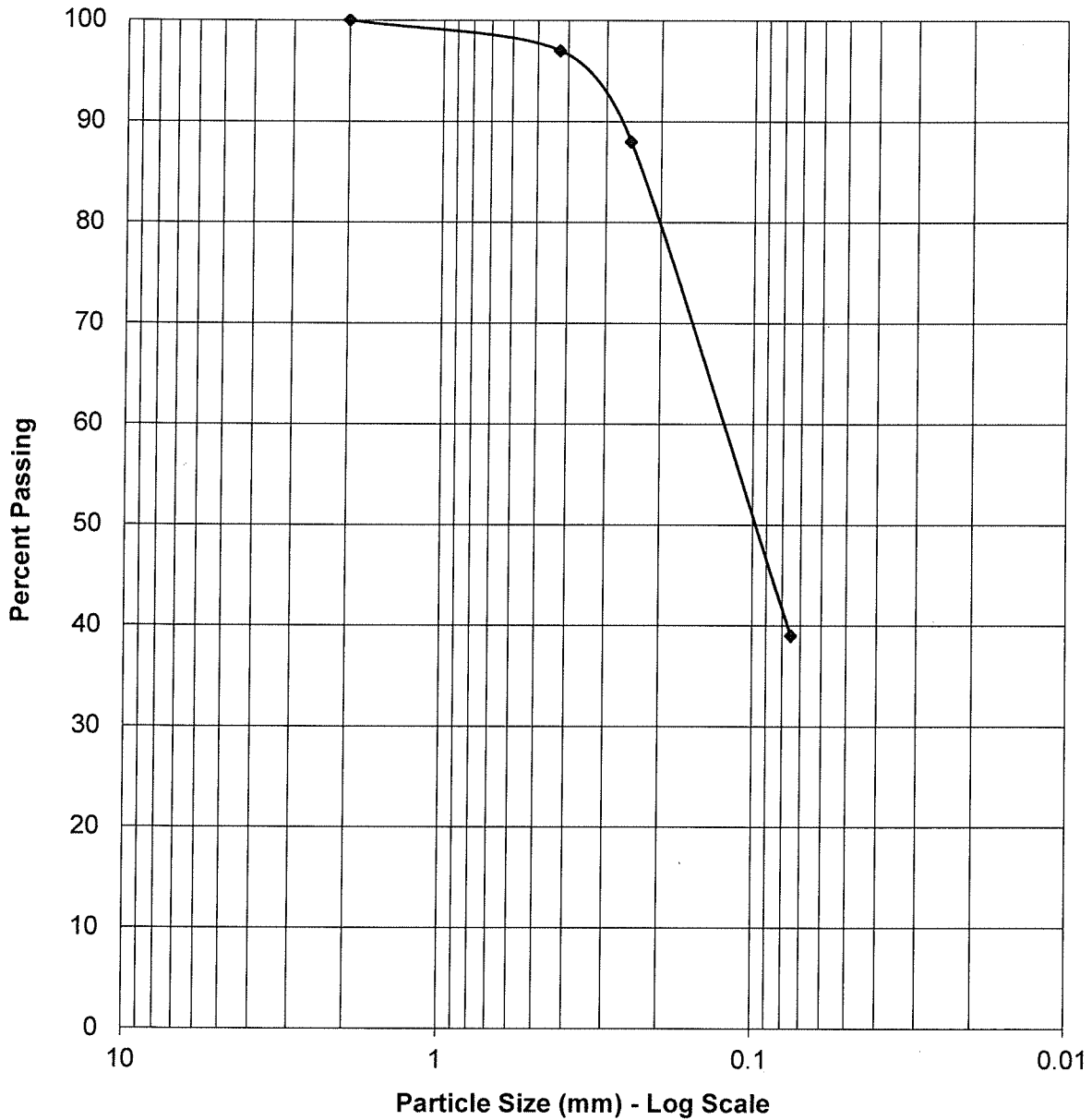
PROJECT: Dean Maintenance Hangar Expansion

PROJECT NO: 17-278

CLIENT: D+P Architects, PLLC

DATE: 10/9/2019

Sieve Analysis



Description: Brownish gray silty sand

Boring No:	B-3	Moisture Content	Atterberg Limits			Volume Change	Classification	
Depth:	4.5-6		LL	PL	PI		Unified	AASHTO
		16	37	22	15	14%	SC	
Sieve	Sieve Size (mm)	% Passing						
No. 10	2	100						
No. 40	0.425	97						
No. 60	0.25	88						
No. 200	0.075	39						

Engineering Plus, Inc.

Planning - Surveying - Testing - Landscape Design

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Sieve Analysis

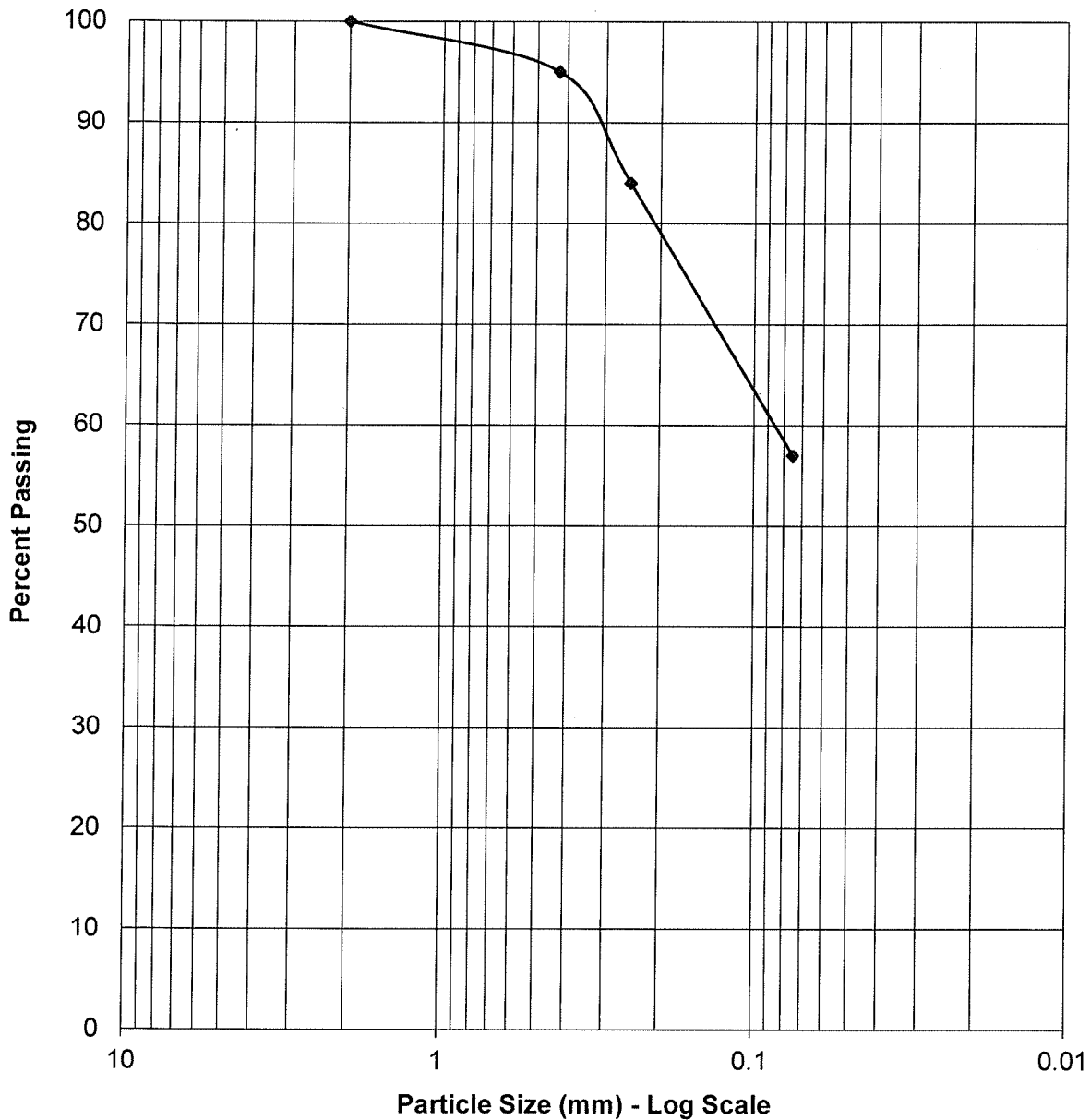
PROJECT: Dean Maintenance Hangar Expansion

PROJECT NO: 17-278

CLIENT: D+P Architects, PLLC

DATE: 10/9/2019

Sieve Analysis



Description: Brownish red sandy clay

Boring No:	B-4	Moisture Content	Atterberg Limits			Volume Change	Classification	
			LL	PL	PI		Unified	AASHTO
Depth:	3-5	16	26	17	9	24%	CL	
Sieve	Sieve Size (mm)	% Passing						
No. 10	2	100						
No. 40	0.425	95						
No. 60	0.25	84						
No. 200	0.075	57						

Engineering Plus, Inc.

Planning - Surveying - Testing - Landscape Design

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Sieve Analysis

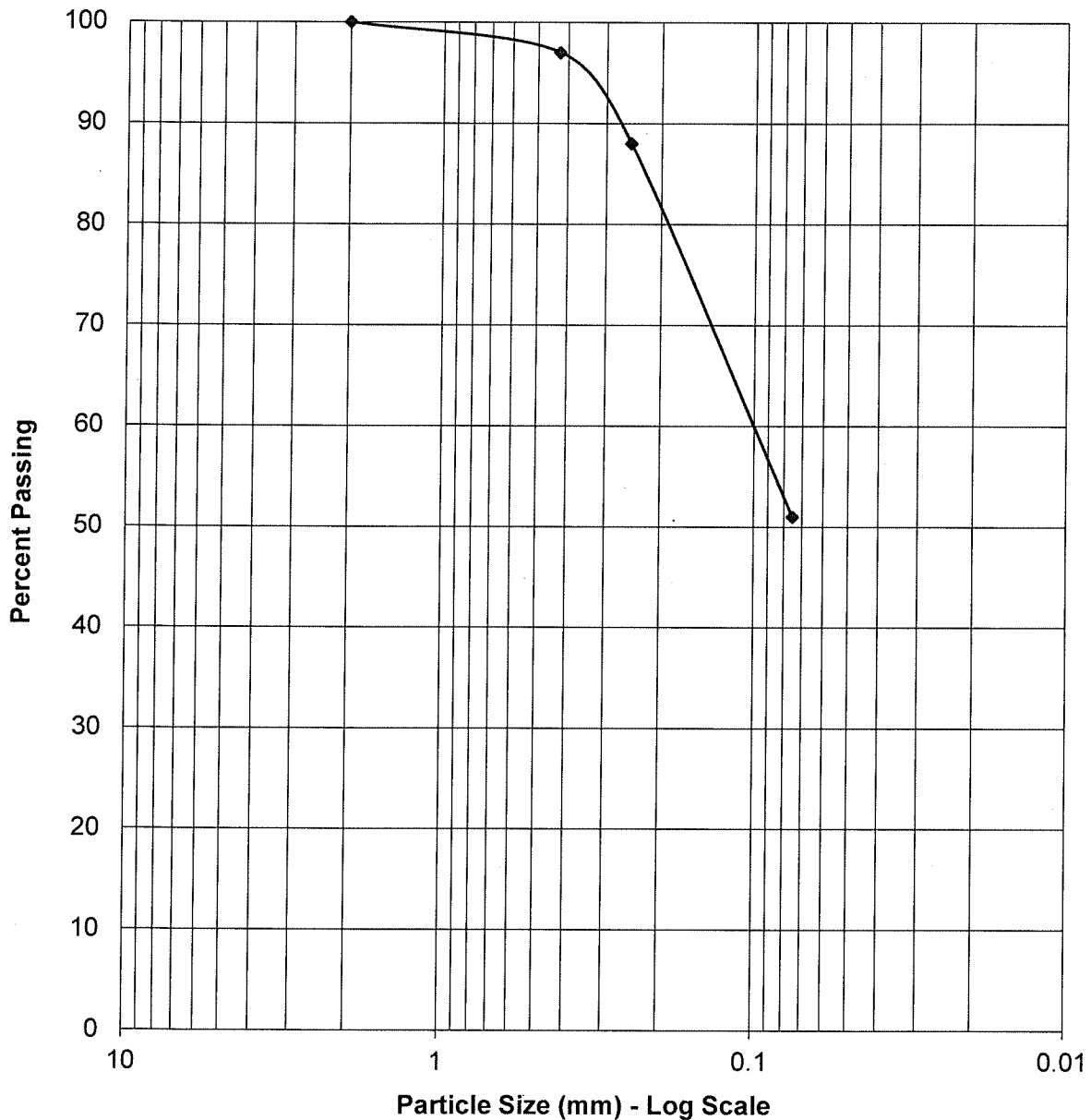
PROJECT: Dean Maintenance Hangar Expansion

PROJECT NO: 17-278

CLIENT: D+P Architects, PLLC

DATE: 10/9/2019

Sieve Analysis



Description: Light brown clayey silt

Boring No:	B-4	Moisture Content	Atterberg Limits			Volume Change	Classification	
Depth:	6-8		LL	PL	PI		Unified	AASHTO
		19	21	17	4	15%	CL-ML	
Sieve	Sieve Size (mm)	% Passing						
No. 10	2	100						
No. 40	0.425	97						
No. 60	0.25	88						
No. 200	0.075	51						

Engineering Plus, Inc.

Planning - Surveying - Testing - Landscape Design

1724 B 23rd Avenue Meridian, Mississippi 39301 (601) 693-4234

Sieve Analysis

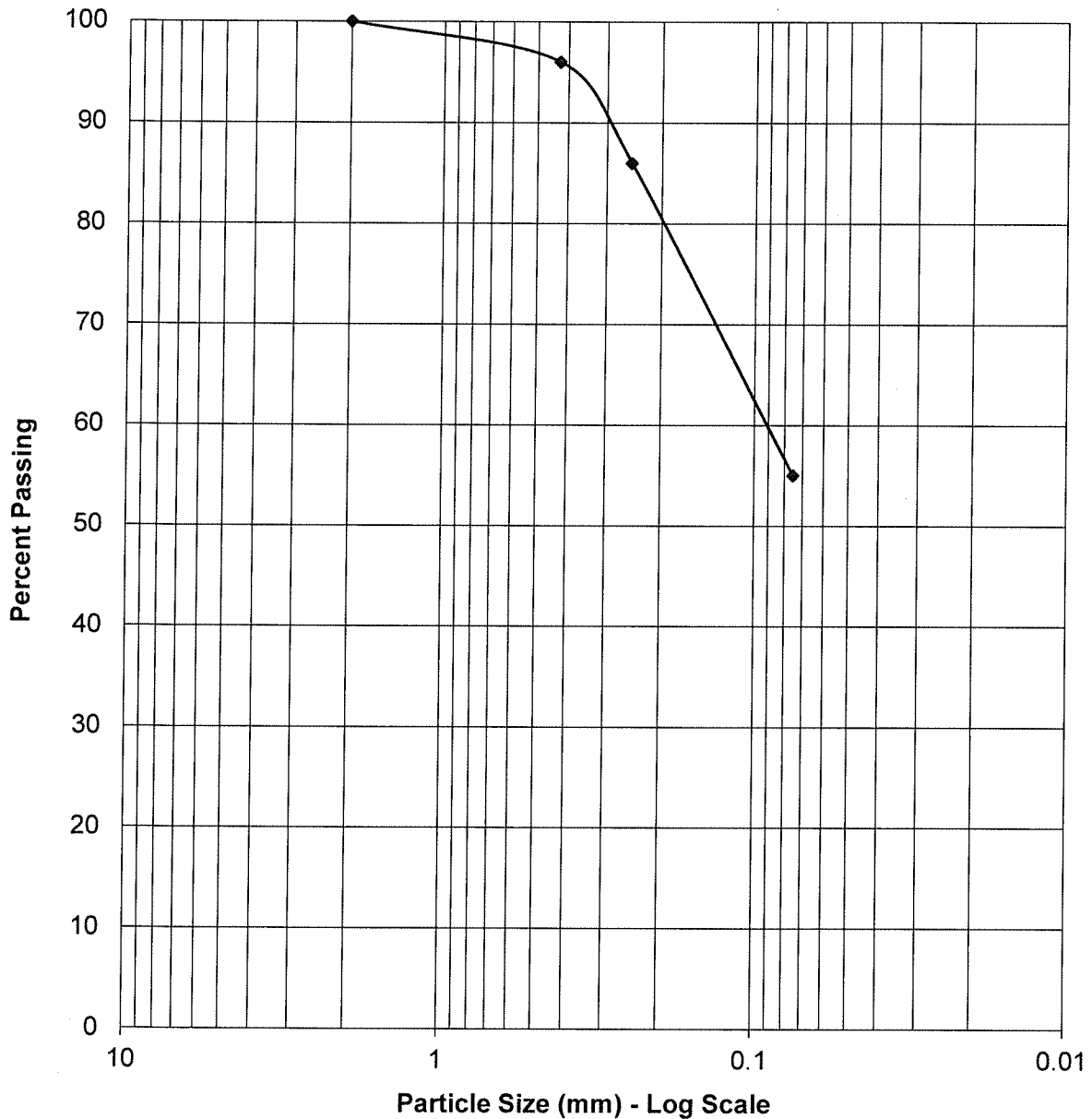
PROJECT: Dean Maintenance Hangar Expansion

PROJECT NO: 17-278

CLIENT: D+P Architects, PLLC

DATE: 10/9/2019

Sieve Analysis



Description: Gray silty clay

Boring No:	B-5	Moisture Content	Atterberg Limits			Volume Change	Classification	
Depth:	4.5-6		LL	PL	PI		Unified	AASHTO
		16	28	17	11	20%	CL	
Sieve	Sieve Size (mm)	% Passing						
No. 10	2	100						
No. 40	0.425	96						
No. 60	0.25	86						
No. 200	0.075	55						

Engineering Plus, Inc.

Planning - Surveying - Testing - Landscape Design

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Sieve Analysis

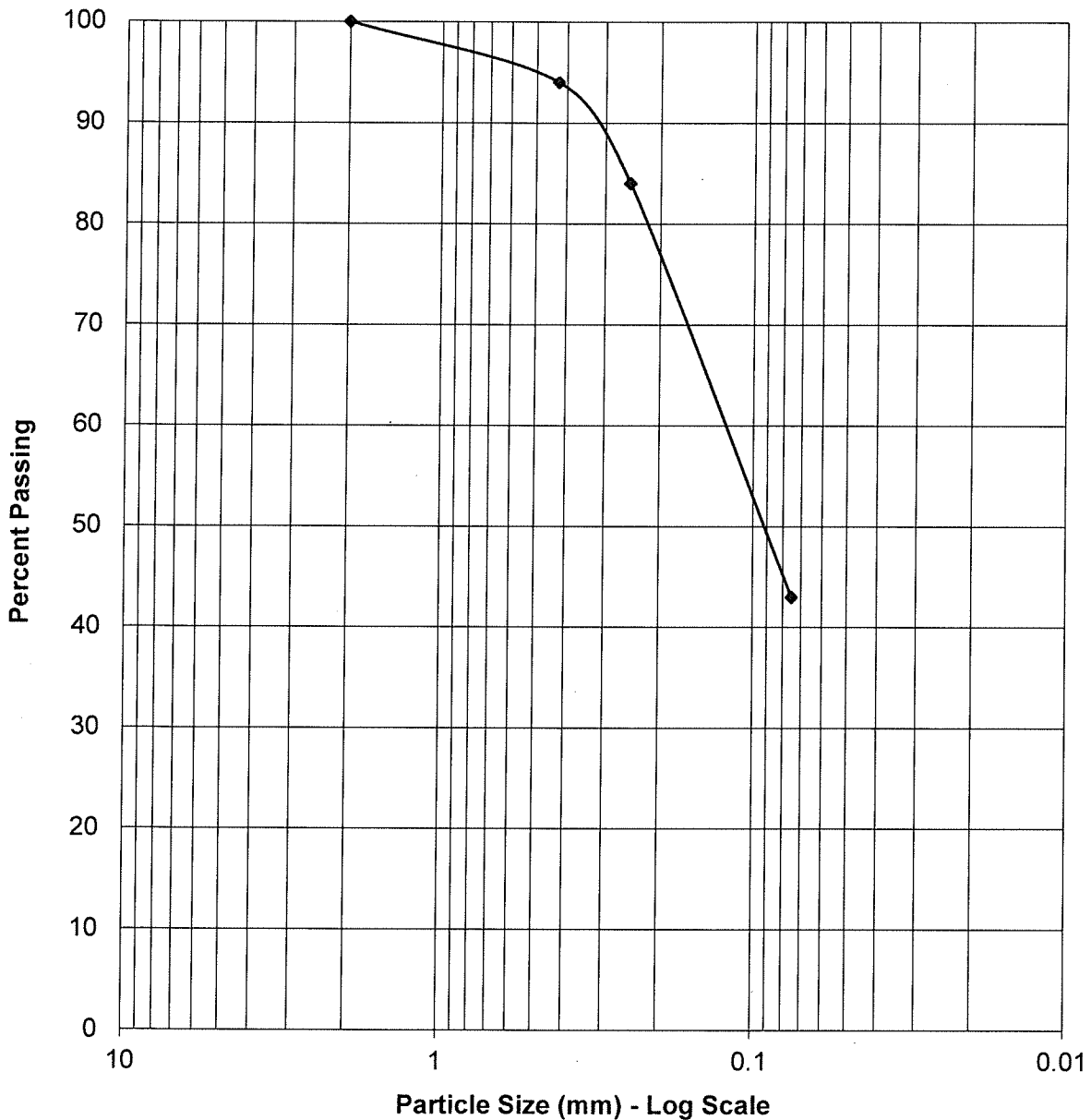
PROJECT: Dean Maintenance Hangar Expansion

PROJECT NO: 17-278

CLIENT: D+P Architects, PLLC

DATE: 10/9/2019

Sieve Analysis



Description: Gray slightly clayey silty sand

Boring No:	B-6	Moisture Content	Atterberg Limits			Volume Change	Classification	
			LL	PL	PI		Unified	AASHTO
Depth:	4-7	18	22	18	4	16%	SC-SM	
Sieve	Sieve Size (mm)	% Passing						
No. 10	2	100						
No. 40	0.425	94						
No. 60	0.25	84						
No. 200	0.075	43						

APPENDIX E

GENERAL REMARKS/REPORT LIMITATIONS

GENERAL REMARKS/REPORT LIMITATIONS

- This report has been prepared for the exclusive use of the owner for specific application to the subject property.
- This publication is intended for the use of professional personnel competent to evaluate the significance and limitations of its contents and responsible for the applications of the information and recommendations presented.
- All recommendations contained in this report have been made in accordance with generally accepted soil and foundation engineering practices. No other warranties are implied or expressed.
- Assessment of site environmental conditions or the presence of contaminants in the soil, or in groundwater at the site is beyond the scope of this investigation, unless otherwise noted.
- The analysis and recommendations are based upon the data obtained from the soil borings. The nature and extent of variations between the soil test borings may not become evident until construction. If variations then appear evident, it may be necessary to re-evaluate the recommendations of this report.
- This report was prepared for design purposes only and is not intended to be utilized as an earthwork specification for construction. Contractors reviewing this report should acknowledge that discussions and recommendations contained herein are for design purposes.
- When the plans and specifications are more complete or if significant changes are made in the character of the proposed structure, a consultation should be arranged to review them with respect to prevailing soil conditions. At that time, it may be necessary to submit supplementary recommendations.
- The geotechnical engineer should be retained to review the final plans and specifications to verify that recommendations in this report are properly interpreted and incorporated in the design. If the geotechnical engineer is not accorded the privilege of making this review, then he can assume no responsibility for misinterpretation of recommendations.

ELECTRICAL LEGEND

GENERAL NOTES	FIRE ALARM SYSTEM	VOLTAGE DROP CHART FOR 20A, 1Ø CIRCUITS																												
<p>1. ALL EQUIPMENT AND DEVICES ARE TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.</p> <p>2. DEVICES NOTED AS "GIT" SHALL BE GROUND FAULT CIRCUIT INTERRUPTING DEVICES.</p> <p>3. DEVICES NOTED AS "WP" SHALL BE WEATHERPROOF WHILE-IN-USE.</p> <p>4. DEVICES NOTED AS "DL" SHALL BE RATED FOR DAMP LOCATION.</p> <p>5. DEVICES NOTED AS "NL" SHALL BE NIGHT LIGHTS. PROVIDE UNSWITCHED POWER TO FIXTURE.</p> <p>6. DEVICES NOTED AS "WG" SHALL BE PROVIDED AND INSTALLED WITH A WIRE GUARD.</p> <p>7. DEVICES NOTED AS "TR" SHALL BE TAMPER RESISTANT.</p> <p>8. PROVIDE UNSWITCHED POWER TO EMERGENCY BATTERY PACKS.</p>	<p>MANUAL PULL STATION. MOUNT 48" A.F.F. TO CENTERLINE OF BOX.</p> <p>STROBE. MOUNT 80" A.F.F. TO BOTTOM OF BOX.</p> <p>COMBINATION HORN AND STROBE. MOUNT 80" A.F.F. TO BOTTOM OF BOX.</p> <p>SMOKE DETECTOR.</p> <p>THERMAL DETECTOR.</p> <p>DUCT SMOKE DETECTOR IN RETURN DUCT.</p> <p>DUCT SMOKE DETECTOR IN SUPPLY DUCT.</p> <p>ELEVATOR RECALL SMOKE DETECTOR.</p> <p>FIRE ALARM CONTROL PANEL.</p> <p>FIRE ALARM ANNUNCIATOR PANEL.</p> <p>FLOW SWITCH.</p> <p>TAMPER SWITCH.</p> <p>FIRE ALARM HORN AND STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.</p> <p>FIRE ALARM STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Voltage</th> <th>Circuit Length</th> <th>Conductor Size (AWG)</th> </tr> </thead> <tbody> <tr> <td>120</td> <td>< 50'</td> <td>#12</td> </tr> <tr> <td>120</td> <td>> 50'</td> <td>#10</td> </tr> <tr> <td>120</td> <td>> 90'</td> <td>#8</td> </tr> <tr> <td>120</td> <td>> 140'</td> <td>#6</td> </tr> <tr> <td>277</td> <td>< 130'</td> <td>#12</td> </tr> <tr> <td>277</td> <td>> 130'</td> <td>#10</td> </tr> <tr> <td>277</td> <td>> 200'</td> <td>#8</td> </tr> <tr> <td>277</td> <td>> 330'</td> <td>#6</td> </tr> </tbody> </table> <p>VOLTAGE DROP CHART NOTES:</p> <p>1) CIRCUIT SIZES INDICATED ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. REFER TO THIS CHART FOR UPSIZING CONDUCTORS AS NEEDED.</p> <p>2) DO NOT CONNECT CONDUCTORS LARGER THAN #10 DIRECTLY TO A RECEPTACLE OR A SWITCH. PROVIDE A JUNCTION BOX TO DOWNSIZE THE CONDUCTOR TO #12 AT THE DEVICE.</p> <p>3) FOR CIRCUITS LONGER THAN THOSE LISTED ABOVE, CONSULT WITH THE ENGINEER FOR CONDUCTOR SIZES.</p>	Voltage	Circuit Length	Conductor Size (AWG)	120	< 50'	#12	120	> 50'	#10	120	> 90'	#8	120	> 140'	#6	277	< 130'	#12	277	> 130'	#10	277	> 200'	#8	277	> 330'	#6	
Voltage	Circuit Length	Conductor Size (AWG)																												
120	< 50'	#12																												
120	> 50'	#10																												
120	> 90'	#8																												
120	> 140'	#6																												
277	< 130'	#12																												
277	> 130'	#10																												
277	> 200'	#8																												
277	> 330'	#6																												
<p>LUMINAIRES (See Light Fixture Schedule)</p> <p>NOTE: THE NUMBER INSIDE THE CIRCLE IS THE CIRCUIT NUMBER. THE LETTER BESIDE THE SYMBOL IS THE FIXTURE TYPE DESCRIBED IN THE LIGHT FIXTURE SCHEDULE.</p> <p>2'x4' RECESSED FIXTURE.</p> <p>1'x4' RECESSED FIXTURE.</p> <p>2'x4' RECESSED EMERGENCY FIXTURE.</p> <p>1'x4' RECESSED EMERGENCY FIXTURE.</p> <p>SURFACE MOUNTED OR SUSPENDED FIXTURE.</p> <p>SURFACE MOUNTED OR SUSPENDED EMERGENCY FIXTURE.</p> <p>RECESSED CEILING FIXTURE.</p> <p>RECESSED EMERGENCY CEILING FIXTURE.</p> <p>CEILING MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.</p> <p>EXIT SIGN WITH EMERGENCY LIGHTING.</p> <p>WALL MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.</p> <p>WALL MOUNTED FIXTURE.</p> <p>WALL MOUNTED LINEAR FIXTURE.</p> <p>WALL MOUNTED EMERGENCY LINEAR FIXTURE.</p> <p>SITE ARM MOUNT POLE LIGHT FIXTURE.</p> <p>SURFACE MOUNTED TRACK AND TRACK LIGHTING FIXTURE.</p>	<p>DUPLX RECEPTACLE, NEMA 5-20R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>DOUBLE DUPLX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>DOUBLE DUPLX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.</p> <p>DUPLX RECEPTACLE, NEMA 5-20R, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.</p> <p>DUPLX RECEPTACLE, NEMA 5-20R, FOR DRINKING FOUNTAIN FED FROM GFCI BREAKER. MOUNTED IN ACCORDANCE WITH MANUFACTURER'S ROUGH-IN REQUIREMENTS. VERIFY CONNECTION TYPE PRIOR TO BID. PROVIDE PROPER EQUIPMENT FOR CONNECTION TYPE REQUIRED.</p> <p>DUPLX RECEPTACLE, NEMA 5-20R, MOUNTED IN A FLOOR BOX.</p> <p>DOUBLE DUPLX RECEPTACLE, NEMA 5-20R, MOUNTED IN A FLOOR BOX.</p> <p>SINGLE RECEPTACLE, NEMA 14-50R. PROVIDE 6" CORD AND MATCHING PLUG WHERE REQUIRED. MOUNTING DETERMINED BY NEC FOR TYPE OF EQUIPMENT BEING CONNECTED.</p> <p>SINGLE RECEPTACLE, NEMA 6-30R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>SINGLE RECEPTACLE, NEMA 6-20R, MOUNTED 36" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>DUPLX RECEPTACLE, NEMA 5-20R, MOUNTED FLUSH IN THE CEILING UNLESS NOTED OTHERWISE.</p> <p>APPLETON 009391 RECEPTACLE. 208 3ø, 60A, 4W</p>																													
<p>MISCELLANEOUS</p> <p>CONTACTOR.</p> <p>PHOTOCELL.</p> <p>CEILING MOUNTED JUNCTION BOX.</p> <p>WALL MOUNTED JUNCTION BOX.</p> <p>FLEXIBLE CONNECTION TO EQUIPMENT.</p>	<p>RECEPTACLES</p> <p>DUPLX RECEPTACLE, NEMA 5-20R, MOUNTED IN A FLOOR BOX.</p> <p>DOUBLE DUPLX RECEPTACLE, NEMA 5-20R, MOUNTED IN A FLOOR BOX.</p> <p>SINGLE RECEPTACLE, NEMA 14-50R. PROVIDE 6" CORD AND MATCHING PLUG WHERE REQUIRED. MOUNTING DETERMINED BY NEC FOR TYPE OF EQUIPMENT BEING CONNECTED.</p> <p>SINGLE RECEPTACLE, NEMA 6-30R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>SINGLE RECEPTACLE, NEMA 6-20R, MOUNTED 36" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>DUPLX RECEPTACLE, NEMA 5-20R, MOUNTED FLUSH IN THE CEILING UNLESS NOTED OTHERWISE.</p> <p>APPLETON 009391 RECEPTACLE. 208 3ø, 60A, 4W</p>																													
<p>SWITCHES</p> <p>SINGLE-POLE, SINGLE-THROW SWITCH. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>DOUBLE-POLE, SINGLE-THROW, 30 AMP SWITCH. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>THREE-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>FOUR-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>LED DIMMER EQUAL TO LEVITON #IP710-LFZ. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>AUTOMATIC WALL SWITCH. SENSOR SWITCH #WSD-PDT OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>AUTOMATIC WALL SWITCH WITH INTEGRAL 0-10V DIMMER. SENSOR SWITCH #WSX-PDT-D-VA OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>HORSEPOWER RATED SWITCH WITH THERMAL OVERLOADS (MANUAL MOTOR STARTER).</p> <p>PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 12' RADIAL COVERAGE. CEILING MOUNTED. SENSOR SWITCH #CM-PDT-9 OR APPROVED EQUAL.</p> <p>PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 28' RADIAL COVERAGE. CEILING MOUNTED. SENSOR SWITCH #CM-PDT-10 OR APPROVED EQUAL.</p> <p>PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 2000 SQ. FT. COVERAGE. MOUNT IMMEDIATELY BELOW CEILING. SENSOR SWITCH #WV-PDT-16 OR APPROVED EQUAL.</p> <p>POWER PACK MOUNTED ABOVE CEILING. SENSOR SWITCH #PP20 OR APPROVED EQUAL.</p>	<p>ACCESS CONTROL</p> <p>CARD READER.</p> <p>ACCESS CONTROL PANEL.</p> <p>POWER SUPPLY</p>																													
<p>INTRUSION DETECTION SYSTEM</p> <p>DOOR CONTACT.</p>	<p>COMMUNICATIONS</p> <p>TELEPHONE CONNECTION FOR ELEVATOR CONTROLLER. INCLUDE ALL CABLING AND ACTIVATION OF TELEPHONE SERVICE. ROUTE CABLE INTO THE ELEVATOR CONTROLLER.</p> <p>DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER. WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.</p> <p>COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX.</p> <p>DUPLX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX.</p> <p>TELEVISION CABLE OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>DATA OUTLET MOUNTED IN THE CEILING.</p> <p>WIFI.</p>																													
<p>CONDUIT AND WIRING</p> <p>CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG.</p> <p>CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS).</p> <p>CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS.</p> <p>PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.</p> <p>LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.</p>	<p>CONDUIT AND WIRING</p> <p>CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG.</p> <p>CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS).</p> <p>CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS.</p> <p>PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.</p> <p>LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.</p>																													
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<p>CCTV SYSTEM</p> <p>CEILING MOUNTED CAMERA.</p> <p>WALL MOUNTED CAMERA.</p> <p>INSIDE CORNER MOUNTED CAMERA.</p> <p>OUTSIDE CORNER MOUNTED CAMERA.</p>	<p>CONDUIT AND WIRING</p> <p>CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG.</p> <p>CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS).</p> <p>CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS.</p> <p>PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.</p> <p>LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.</p>																													
<p>GEAR</p> <p>FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE; F-(RATING OF FUSES).</p> <p>NON-FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE.</p> <p>MAGNETIC MOTOR STARTER.</p> <p>COMBINATION FUSED DISCONNECT AND MAGNETIC MOTOR STARTER.</p> <p>COMBINATION CIRCUIT BREAKER AND MAGNETIC MOTOR STARTER.</p> <p>PANELBOARD.</p>	<p>CONDUIT AND WIRING</p> <p>CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG.</p> <p>CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS).</p> <p>CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS.</p> <p>PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.</p> <p>LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.</p>																													
<p>DOOR BELL SYSTEM</p> <p>DOOR BELL WEATHERPROOF INDUSTRIAL PUSHBUTTON.</p> <p>TRANSFORMER MOUNTED ABOVE CEILING.</p> <p>INDUSTRIAL CHIME.</p>	<p>CONDUIT AND WIRING</p> <p>CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG.</p> <p>CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS).</p> <p>CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS.</p> <p>PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.</p> <p>LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.</p>																													

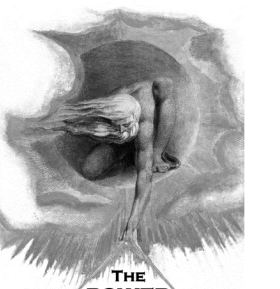
LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	PART NUMBER	LAMPS	MOUNTING	REMARKS
A	LITHONIA	2VTL4-60L-ADPT-EZ1-LP840	LED - 47.7W 6,407 LUMENS	RECESSED	
AE	LITHONIA	2VTL4-60L-ADPT-EZ1-LP840-EL14L	LED - 47.7W 6,407 LUMENS	RECESSED	WITH 120V EMERGENCY BATTERY PACK
B	LITHONIA	2VTL4-48L-ADPT-EZ1-LP840-EL14L	LED - 38.4W 5,326 LUMENS	RECESSED	
BE	LITHONIA	2VTL4-48L-ADPT-EZ1-LP840-EL14L	LED - 38.4W 5,326 LUMENS	RECESSED	WITH 120V EMERGENCY BATTERY PACK
C	LITHONIA	2VTL4-30L-ADPT-EZ1-LP840-EL14L	LED - 23.2W 3,335 LUMENS	RECESSED	
CE	LITHONIA	2VTL4-30L-ADPT-EZ1-LP840-EL14L	LED - 23.2W 3,335 LUMENS	RECESSED	WITH 120V EMERGENCY BATTERY PACK
D	LITHONIA	LDN6-40/10-L06-AR-LS-MVOLT-G21	LED - 10.4W 950.1 LUMENS	RECESSED	
DE	LITHONIA	LDN6-40/10-L06-AR-LS-MVOLT-G21-EL	LED - 10.4W 950.1 LUMENS	RECESSED	WITH 120V EMERGENCY BATTERY PACK
F	LITHONIA	EPANL-2X4-6000LM-80CRI-40K-MIN1-ZT-MVOLT-PS105SCP	LED - 54W 6,558 LUMENS	RECESSED	
FE	LITHONIA	EPANL-2X4-6000LM-80CRI-40K-MIN1-ZT-MVOLT-PS105SCP	LED - 54W 6,558 LUMENS	RECESSED	WITH EMERGENCY 120V BATTERY PACK
G	LITHONIA	EPANL-2X4-4800LM-80CRI-40K-MIN1-ZT-MVOLT	LED - 46W 4,976 LUMENS	RECESSED	
GE	LITHONIA	EPANL-2X4-4800LM-80CRI-40K-MIN1-ZT-MVOLT	LED - 46W 4,976 LUMENS	RECESSED	WITH 120V EMERGENCY BATTERY PACK
H	FOCAL POINT	FSM4L-FL-1000LF-40K-1C-UNV-L11-**-4FTOIN	LED - 37.2W 4,000 LUMENS	RECESSED	** - VERIFY CEILING TILE THICKNESS WITH ARCHITECT PRIOR TO ORDERING
HE	FOCAL POINT	FSM4L-FL-1000LF-40K-1C-UNV-L11-**-EM-4FTOIN	LED - 37.2W 4,000 LUMENS	RECESSED	WITH 120V EMERGENCY BATTERY PACK ** - VERIFY CEILING TILE THICKNESS WITH ARCHITECT PRIOR TO ORDERING
H2	FOCAL POINT	FSM4L-FL-1000LF-40K-1C-UNV-L11-XFF-EM-VH-8FTOIN	LED - 84W 8,000 LUMENS	RECESSED	** - VERIFY CEILING TILE THICKNESS WITH ARCHITECT PRIOR TO ORDERING
H2E	FOCAL POINT	FSM4L-FL-1000LF-40K-1C-UNV-L11-XFF-EM-VH-8FTOIN	LED - 84W 8,000 LUMENS	RECESSED	** - VERIFY CEILING TILE THICKNESS WITH ARCHITECT PRIOR TO ORDERING
HS	FOCAL POINT	FSM4LS-FL-1000LF-40K-1C-UNV-L11-C96-**-4	LED - 46W 4,000 LUMENS	SUSPENDED	* - FINISH BY ARCHITECT
HSE	FOCAL POINT	FSM4LS-FL-1000LF-40K-1C-UNV-L11-C96-**-4	LED - 46W 4,000 LUMENS	SUSPENDED	WITH 120V EMERGENCY BATTERY PACK * - FINISH BY ARCHITECT
J	LITHONIA	ZL1N-L48-7000LM-MVOLT-40K-80CRI	LED - 52.1W 7,345 LUMENS	SURFACE	
K	LITHONIA	ZL1N-L48-3000LM-MVOLT-40K-80CRI	LED - 25W 3,172 LUMENS	SURFACE	
L	OCL LIGHTING	GL2-101A-60-MW-**-LED2/40K-UNV-144-DM1	LED - 145W 13,485 LUMENS	SUSPENDED	* - FINISH BY ARCHITECT
M	LITHONIA	IBG-6000LM-SEF-PCL-GND-MVOLT-40K-80CRI	LED - 385W 5,392 LUMENS	SUSPENDED	
ME	LITHONIA	IBG-6000LM-SEF-PCL-GND-MVOLT-40K-80CRI-PS1050	LED - 385W 5,392 LUMENS	SUSPENDED	WITH 120V EMERGENCY BATTERY PACK.
N	LITHONIA	WST LED-P1-40K-VW-MVOLT-*	LED - 12W 1,659 LUMENS	WALL	*COLOR BY ARCHITECT.
NE	LITHONIA	WST LED-P1-40K-VW-MVOLT-*	LED - 12W 1,659 LUMENS	WALL	*COLOR BY ARCHITECT. WITH EMERGENCY BATTERY PACK.
P	ALLOWANCE	\$1000.00 PER FIXTURE			
Q	FOCAL POINT	FSM4LWLS-FL-275LF-40K-1C-UNV-L11-SM-OD-WH-67'-16"X51'	LED - 268W 18,425 LUMENS	SURFACE	
R	FOCAL POINT	FSM4LWLS-FL-275LF-40K-1C-UNV-L11-SM-OD-WH-26'	LED - 104W 7,150 LUMENS	SURFACE	
S	FOCAL POINT	FSM4LWLS-FL-275LF-40K-1C-UNV-L11-SM-OD-WH-26'	LED - 104W 7,150 LUMENS	SURFACE	
T	FOCAL POINT	FSM4LWLS-FL-275LF-40K-1C-UNV-L11-SM-OD-WH-12'	LED - 48W 3,300 LUMENS	SURFACE	
SA	NLS LIGHTING	VUE-1-T4-64L-1-40K-UNV-DPRS-*	LED - 205W 20,705 LUMENS	POLE	*COLOR BY ARCHITECT. POLE# SSSP-30-SS-76-128C-SQL-**-3430
SB	LITHONIA	HLF2 LED-P2-40K-NFL-MVOLT-UBV-*	LED - 405W 57,452 LUMENS	WALL	*COLOR BY ARCHITECT.
UE	LITHONIA	WL4-40L-MVOLT-G210-LP840-MSD7-EL14L	LED - 39.5W 4,325 LUMENS	WALL	WITH 120V EMERGENCY BATTERY PACK WITH MOTION SENSOR
*V	JUNO	T254L-TEK-G2-40K-80CRI-SP-** TRACK #T-8FT-*	LED - 15.2W 1,517 LUMENS	TRACK	*COLOR BY ARCHITECT
W	LITHONIA	AFF-DEL-**-UVOLT-LTP-SDRT-WT	LED, 2.5W	WALL	WITH 120V EMERGENCY BATTERY PACK
X	LITHONIA	LQM-S-W-3-R-120/277-EL N	LED	UNIVERSAL	WITH 120V EMERGENCY BATTERY PACK
X2	LITHONIA	LHQM-LED-R-HO	LED	WALL	WITH 120V EMERGENCY BATTERY PACK
XA	LITHONIA	EDGE LIT EXIT CLEAR	LED	UNIVERSAL	WITH 120V EMERGENCY BATTERY PACK ALTERNATE #9
Y	LITHONIA	LDN6-40/05-L06-AR-LS-MVOLT-G21	LED - 5.8W 527 LUMENS	RECESSED	
YE	LITHONIA	LDN6-40/05-L06-AR-LS-MVOLT-G21-EL	LED - 5.8W 527 LUMENS	RECESSED	WITH 120V EMERGENCY BATTERY PACK

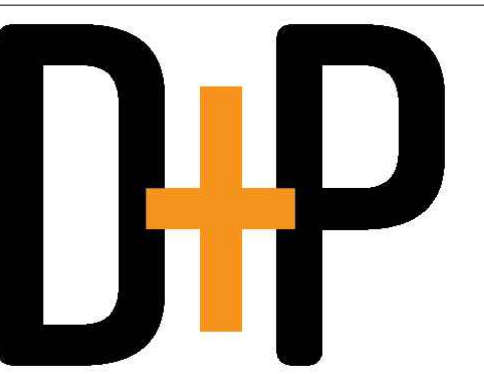
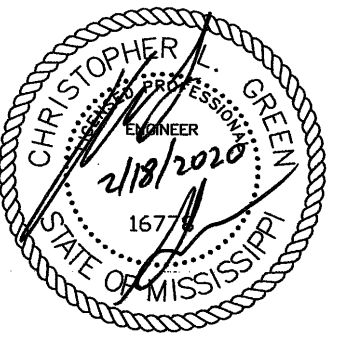
* PROVIDE ALL NECESSARY EQUIPMENT FOR A FULLY OPERABLE TRACK LIGHTING SYSTEM INCLUDING BUT NOT LIMITED TO STRAIGHT CONNECTERS, END CAPS, MOUNTING BRACKETS, ETC. VERIFY FINISHED COLOR OF ALL TRACK LIGHTS AND TRACK HARDWARE WITH ARCHITECT PRIOR TO ROUGH IN.

ELECTRICAL SHEET INDEX

Mark	Description
E-000	ELECTRICAL LEGEND & DETAILS
E-001	ELECTRICAL DETAILS
E-002	ELECTRICAL RENOVATION SITE PLAN
E-003	PUMP HOUSE ELECTRICAL PLAN & DETAILS
E-004	LIGHTING PROTECTION PLAN & DETAILS
E-100	OVERALL LIGHTING PLAN
E-101	PARTIAL LIGHTING PLAN - 1ST FLOOR - PART A
E-102	PARTIAL LIGHTING PLAN - 1ST FLOOR - PART B
E-103	PARTIAL LIGHTING PLAN - 2ND FLOOR - PART D
E-104	PARTIAL LIGHTING PLAN - 2ND & 3RD FLOOR - PART D & E
E-105	PARTIAL LIGHTING PLAN - 3RD FLOOR - PART E
E-200	OVERALL POWER PLAN
E-201	PARTIAL POWER PLAN - 1ST FLOOR - PART A
E-202	PARTIAL POWER PLAN - 1ST FLOOR - PART B
E-203	PARTIAL POWER PLAN - 1ST FLOOR - PART C
E-204	PARTIAL POWER PLAN - 2ND FLOOR - PART D
E-205	PARTIAL POWER PLAN - 2ND & 3RD FLOOR - PART D & E
E-206	PARTIAL POWER PLAN - 3RD FLOOR - PART E
E-300	OVERALL AUXILIARY PLAN
E-301	PARTIAL AUXILIARY PLAN - 1ST FLOOR - PART A
E-302	PARTIAL AUXILIARY PLAN - 1ST FLOOR - PART B
E-303	PARTIAL AUXILIARY PLAN - 1ST FLOOR - PART C
E-304	PARTIAL AUXILIARY PLAN - 2ND FLOOR - PART D
E-305	PARTIAL AUXILIARY PLAN - 2ND & 3RD FLOOR - PART D & E
E-306	PARTIAL AUXILIARY PLAN - 3RD FLOOR - PART E
E-307	PARTIAL AUXILIARY PLAN - ELEVATOR DETAILS
E-400	OVERALL MECHANICAL PLAN
E-401	PARTIAL MECHANICAL PLAN - 1ST FLOOR - PART A
E-402	PARTIAL MECHANICAL PLAN - 1ST FLOOR - PART B
E-403	PARTIAL MECHANICAL PLAN - 2ND FLOOR - PART D
E-404	PARTIAL MECHANICAL PLAN - 2ND & 3RD FLOOR - PART D & E
E-500	PANEL SCHEDULES
E-50	



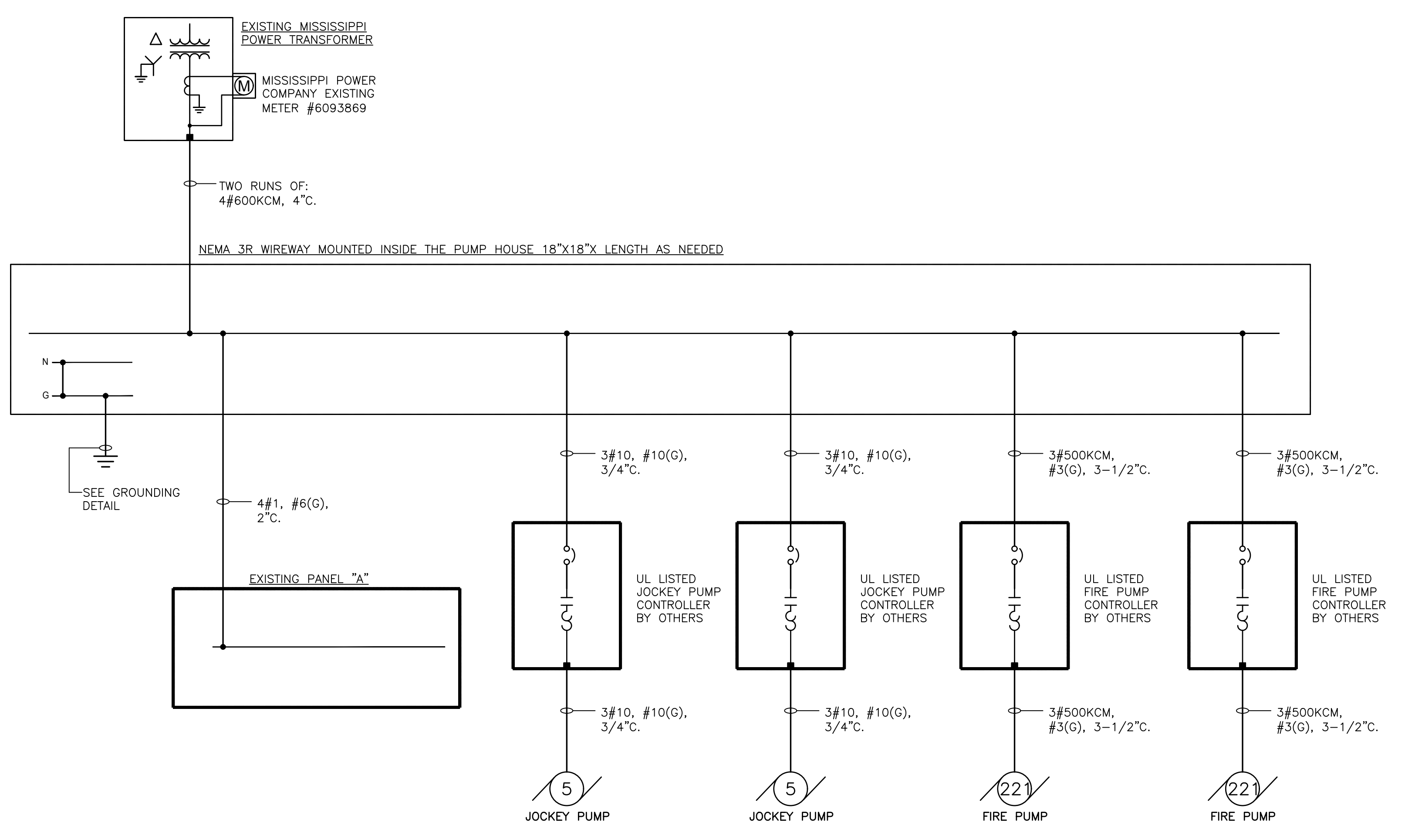
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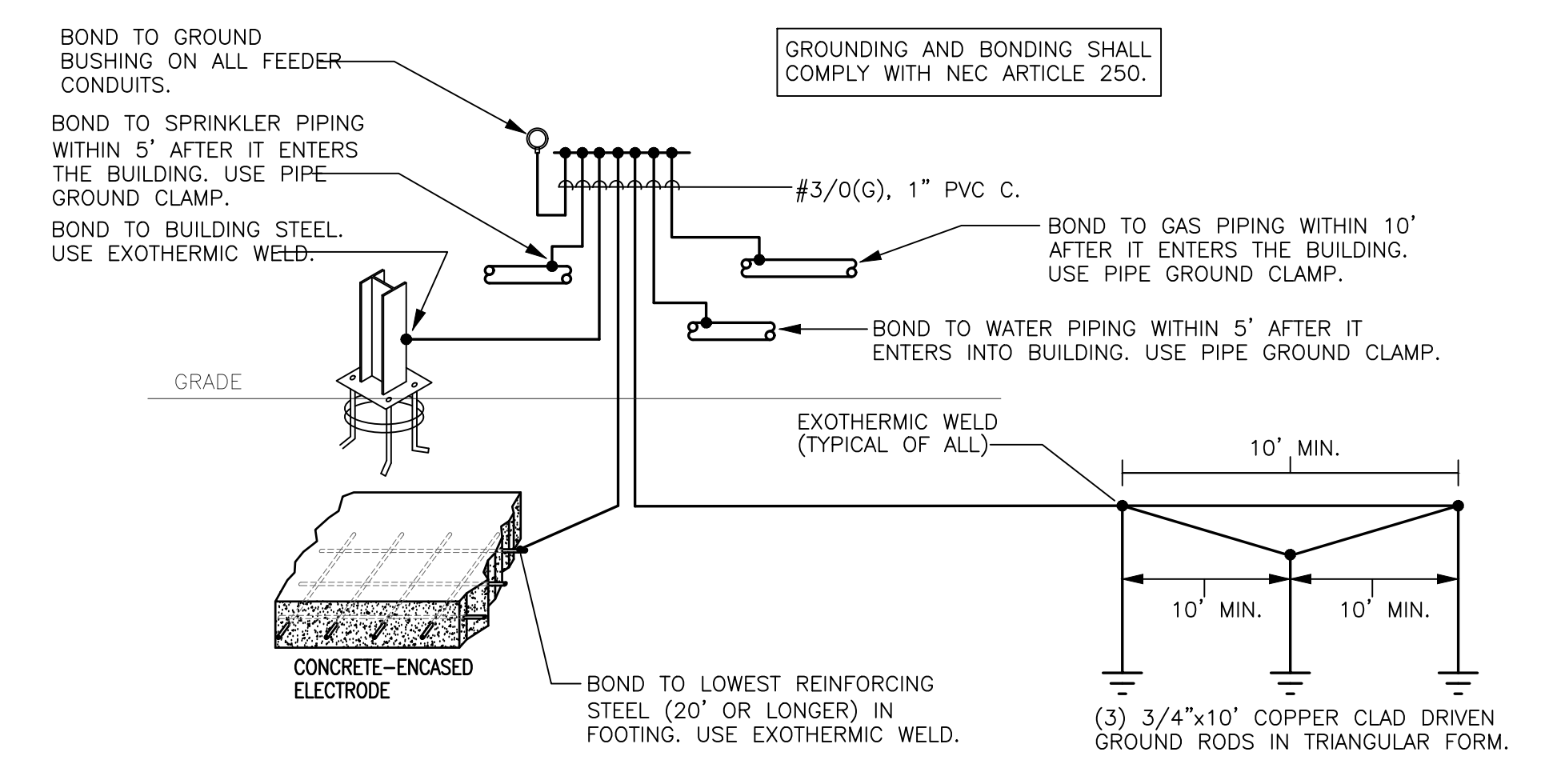
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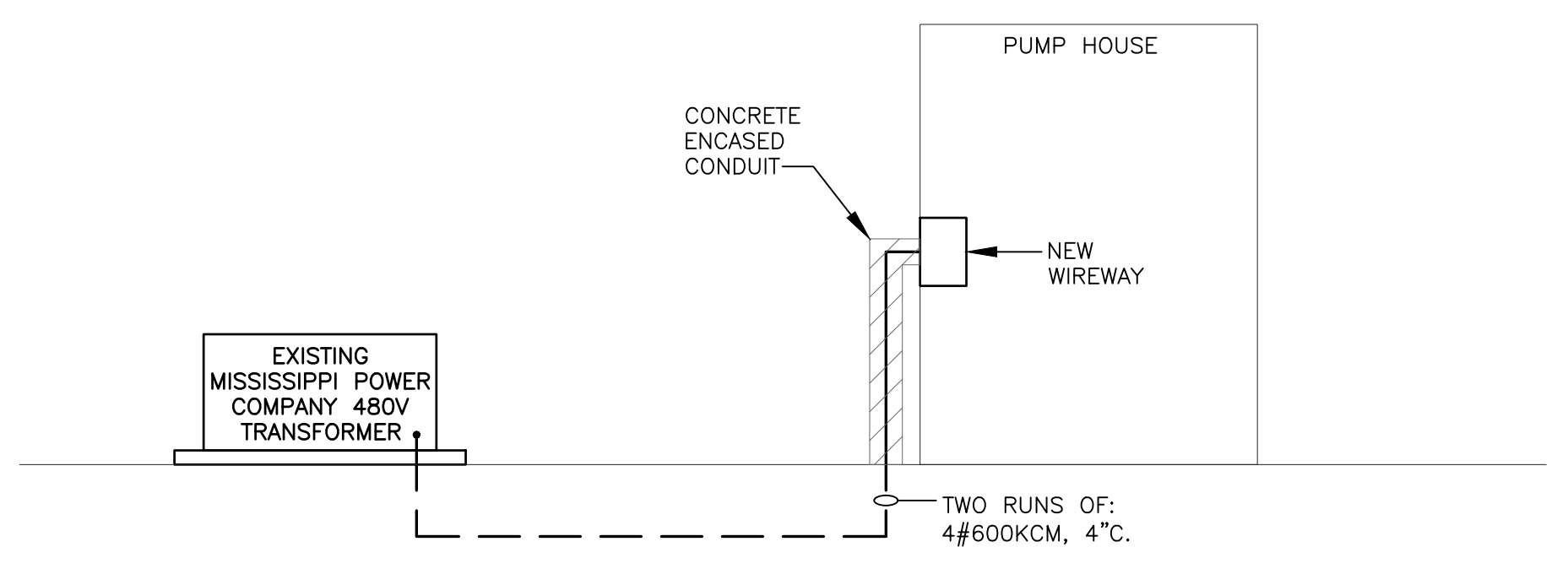
2 PUMP HOUSE ONE LINE DIAGRAM
 Scale: NONE
 E-003



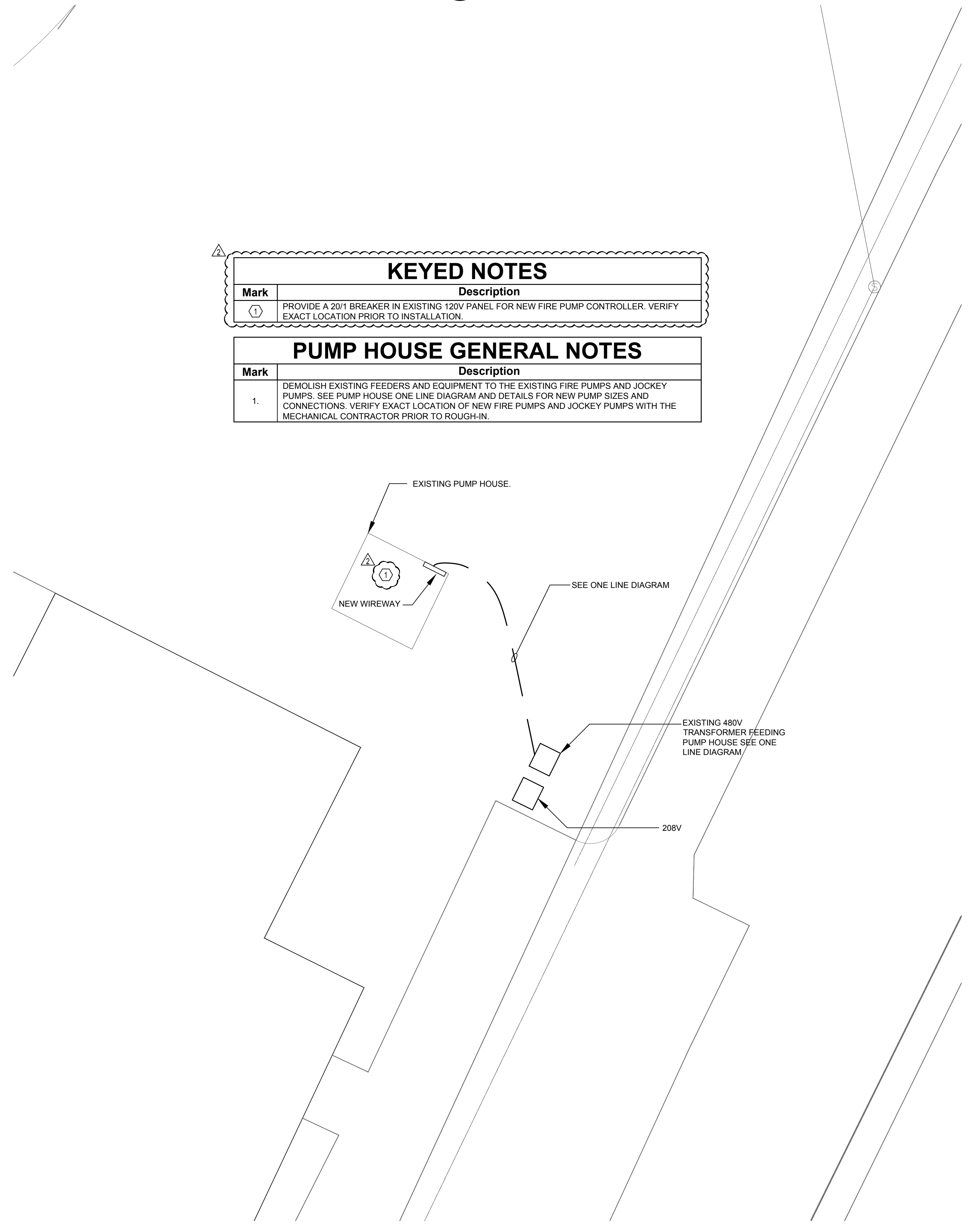
4 PUMP HOUSE GROUNDING DETAIL
 Scale: NONE
 E-003

KEYED NOTES	
Mark	Description
①	PROVIDE A 2011 BREAKER IN EXISTING 120V PANEL FOR NEW FIRE PUMP CONTROLLER. VERIFY EXACT LOCATION PRIOR TO INSTALLATION.

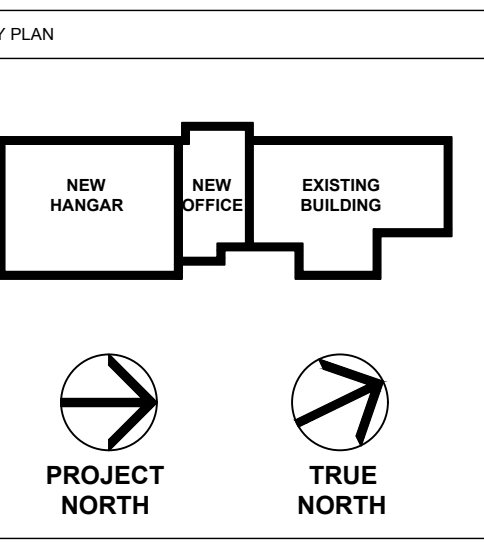
PUMP HOUSE GENERAL NOTES	
Mark	Description
1.	DEMOLISH EXISTING FEEDERS AND EQUIPMENT TO THE EXISTING FIRE PUMPS AND JOCKEY PUMPS. SEE PUMP HOUSE ONE LINE DIAGRAM AND DETAILS FOR NEW PUMP SIZES AND CONNECTIONS. VERIFY EXACT LOCATION OF NEW FIRE PUMPS AND JOCKEY PUMPS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.



3 PUMP HOUSE CONDUIT DETAIL
 Scale: NONE
 E-003



1 PUMP HOUSE SITE PLAN
 Scale: 1" = 20'-0"
 E-003



No.	Description	Date
3	100% Construction Documents	2/14/20
2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

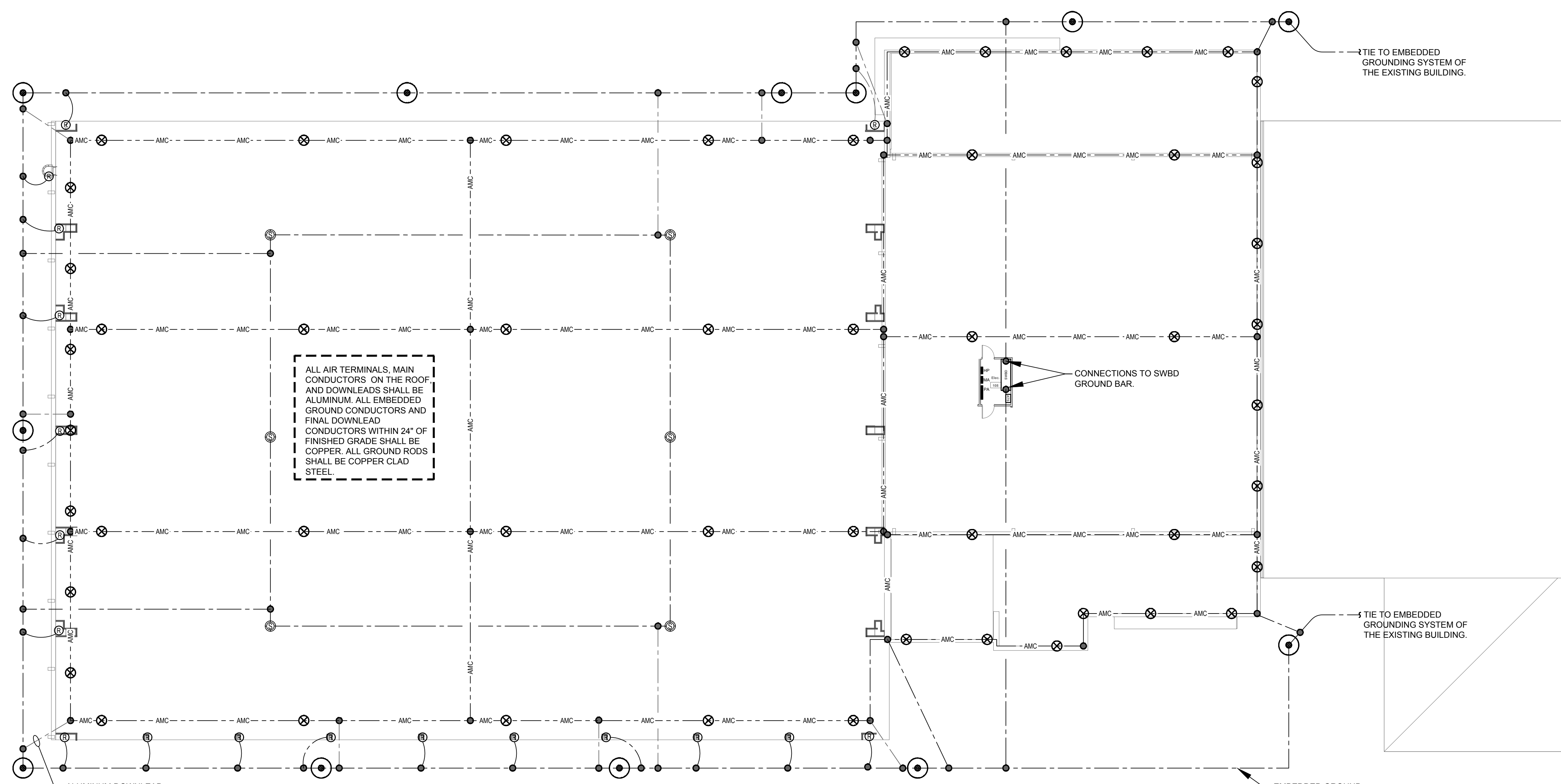
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 DEAN AIRCRAFT SERVICE
 HANGAR ADDITIONS & ALTERATIONS
 2913 Airport Blvd., South St.
 Meridian, MS 39307

Sheet Title
PUMP HOUSE ELECTRICAL PLAN & DETAILS

Project No. 19-006 Date 2/14/20

ADDENDUM #2 03-12-2020

E-003



GROUNDING AND BONDING

- MC — COPPER MAIN CONDUCTOR, #3/0 BARE STRANDED COPPER CONDUCTOR BURIED A MINIMUM OF 30" BELOW FINISHED GRADE.
- AMC — ALUMINUM MAIN CONDUCTOR, BARE ALUMINUM CONDUCTOR CONSISTING OF INDIVIDUAL STRANDS NO LESS THAN #14 AWG WITH A TOTAL WEIGHT OF NOT LESS THAN 95 LB/1000 FEET AND A CROSS SECTIONAL AREA OF AT LEAST 98,600 CM.
- SOLID ALUMINUM AIR TERMINAL, AIR TERMINALS SHALL BE 15" IN HEIGHT AND 1/2" IN DIAMETER, SEE LIGHTING PROTECTION NOTE #9 AND #10.
- TYPICAL CABLE SPLICE, CONNECTOR, OR EXOTHERMIC WELD.
- 3/4" X 10' COPPER CLAD DRIVEN GROUND ROD WITH THE TOP OF THE ROD A MINIMUM OF 18" BELOW FINISHED GRADE.

— TIE TO EMBEDDED GROUNDING SYSTEM OF THE EXISTING BUILDING.

EXISTING HANGAR WITH A LIGHTNING PROTECTION SYSTEM.

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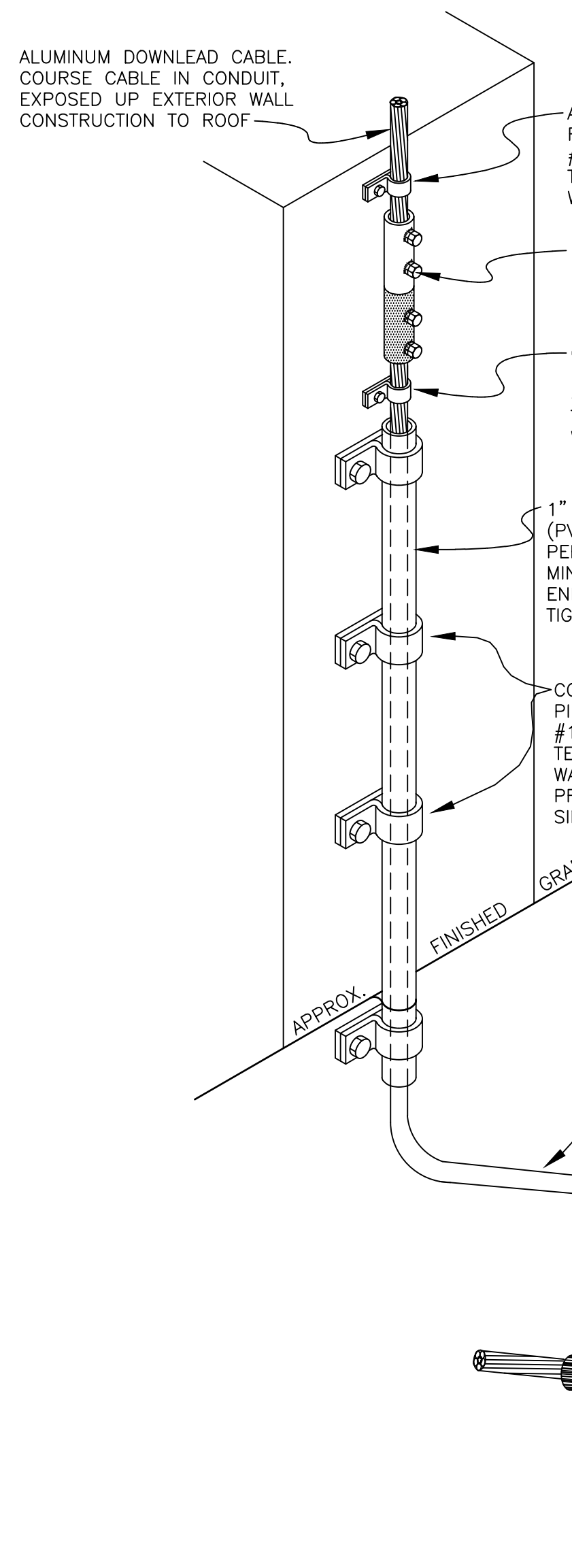
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ALL AIR TERMINALS, MAIN CONDUCTORS ON THE ROOF AND DOWNLEADS SHALL BE ALUMINUM. ALL EMBEDDED GROUND CONDUCTORS AND FINAL DOWNLEAD CONDUCTORS WITHIN 24" OF FINISHED GRADE SHALL BE COPPER. ALL GROUND RODS SHALL BE COPPER CLAD STEEL.

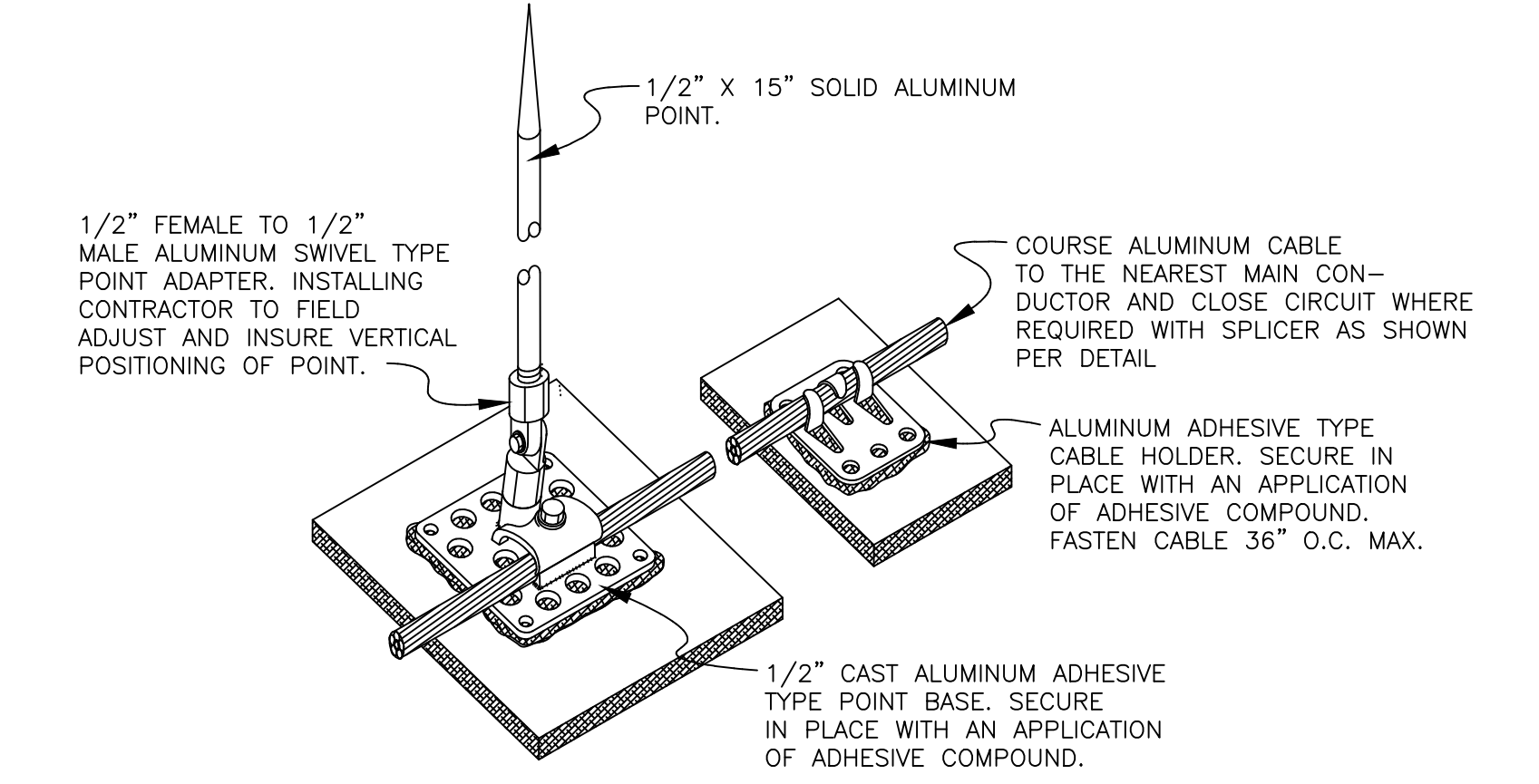
1 PROPOSED LIGHTNING PROTECTION PLAN

E-004 Scale: 1/16" = 1'-0"



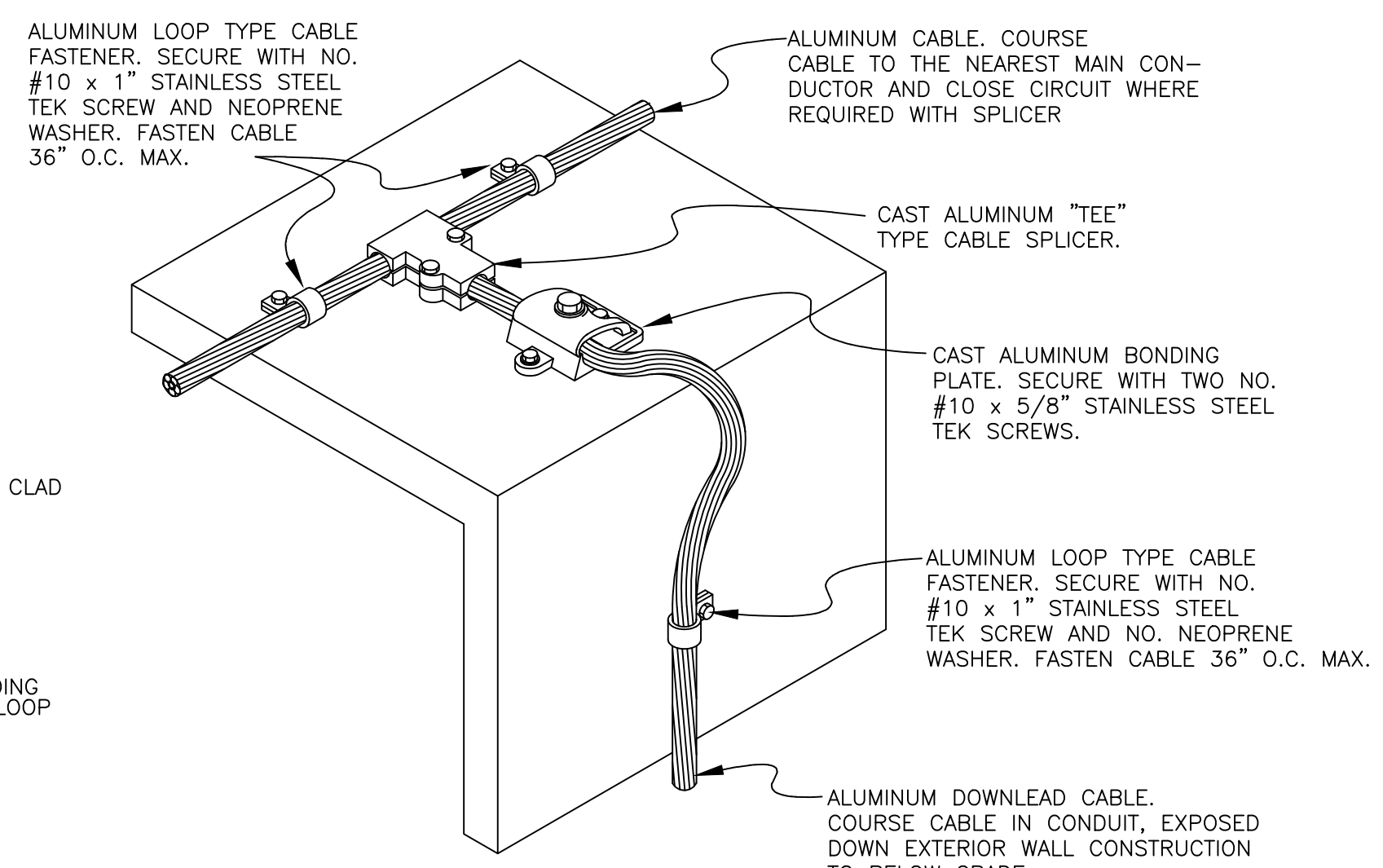
2 ALUMINUM DOWNLEAD TO GROUNDING LOOP

E-004 Scale: NONE



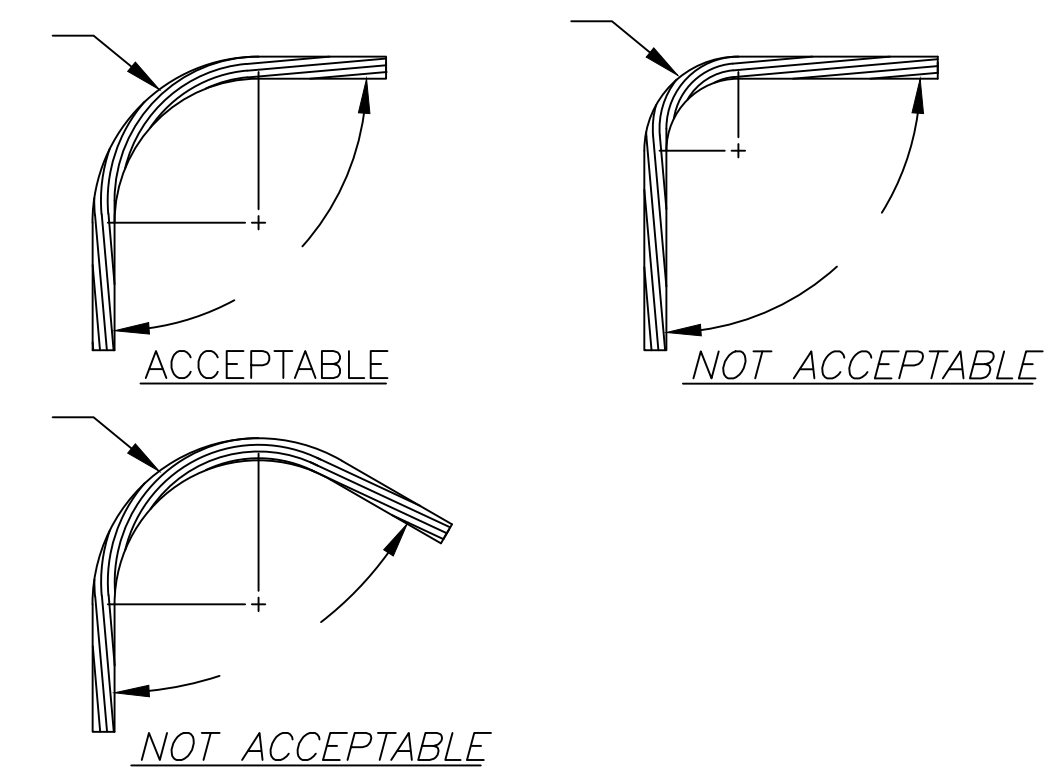
3 ADHESIVE AIR TERMINAL

E-004 Scale: NONE



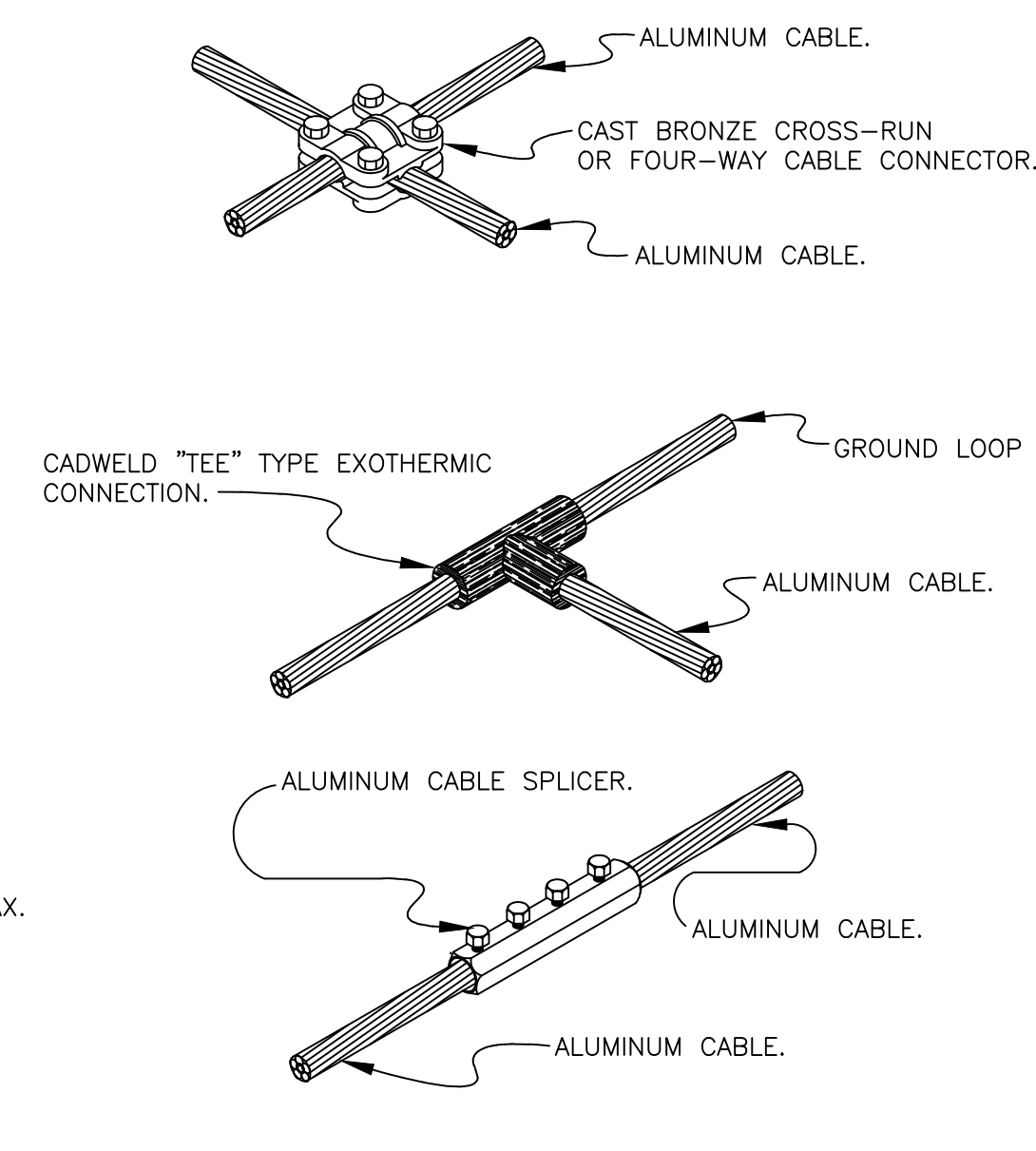
4 EXPOSED GROUND LEAD AT ROOF EDGE

E-004 Scale: NONE



6 TYPICAL CABLE BEND REQUIREMENTS

E-004 Scale: NONE



5 TYPICAL CABLE SPLICES/CONNECTORS/EXOTHERMIC WELDS

E-004 Scale: NONE

GROUNDING AND BONDING

- MC — MAIN CONDUCTOR, #3/0 BARE COPPER BURIED A MINIMUM OF 30" BELOW GRADE.
- AMC — ALUMINUM MAIN CONDUCTOR, BARE ALUMINUM CONDUCTOR CONSISTING OF INDIVIDUAL STRANDS NO LESS THAN #14 AWG WITH A TOTAL WEIGHT OF NOT LESS THAN 95 LB/1000 FEET AND A CROSS SECTIONAL AREA OF AT LEAST 98,600 CM.
- EXOTHERMIC WELD TO A 3/4" X 10' COPPER CLAD STEEL GROUND ROD DRIVEN WITH TOP AT LEAST 18" BELOW GRADE.
- TYPICAL CABLE SPLICE, CONNECTOR, OR EXOTHERMIC WELD.
- SOLID ALUMINUM AIR TERMINAL, AIR TERMINALS SHALL BE 15" IN HEIGHT AND 1/2" IN DIAMETER, SEE LIGHTING PROTECTION NOTE #9.
- #3/0 BARE STRANDED COPPER CONDUCTOR EXOTHERMICALLY WELDED TO THE REINFORCING STEEL OR BUILDING FRAME. UTILIZE A 1" SCH. 40 PVC STUB-UP SLEEVE THROUGH THE CONCRETE (TYPICAL), FILL TOP OF CONDUIT WITH RTY COMPOUND AFTER GROUND WIRE IS INSTALLED.
- AIRCRAFT - THREADED STATIC GROUND RECEIPTACLE, KUEFLER LIGHTNING PROTECTION #C67534 OR APPROVED EQUAL, MOUNT ON A 3/4" X 10' COPPER CLAD STEEL GROUND ROD.

LIGHTNING PROTECTION INSTALLATION NOTES:

- THE DESIGN LAYOUT AND INSTALLATION SHALL MEET THE REQUIREMENTS OF UNDERWRITERS' LABORATORIES STANDARD 96A FOR MASTER LABELED LIGHTNING PROTECTION SYSTEMS.
- THE DESIGN LAYOUT AND INSTALLATION SHALL MEET THE REQUIREMENTS OF NATIONAL FIRE PROTECTION ASSOCIATION STANDARD #780, CURRENT EDITION.
- METAL BODIES OF INDUCTANCE LOCATED ABOUT THE ROOF SUCH AS: METAL FLASHING, GRAVEL STOPS, ROOF DRAINS, SOIL PIPE VENTS, INSULATION VENTS, METAL FRAMES, LOUVERS AND DOOR FRAMES SITUATED ON OR ABOVE THE ROOF SHALL BE INTERCONNECTED TO THE LIGHTNING CONDUCTOR SYSTEM.
- NO BEND OF A CONDUCTOR SHALL FORM A FINAL INCLUDED ANGLE OF LESS THAN 90° NOR SHALL HAVE A RADIUS OF BEND OF LESS THAN 8".
- CONDUCTORS SHALL INTERCONNECT ALL AIR TERMINALS AND SHALL FORM A TWO-WAY PATH FROM EACH AIR TERMINAL HORIZONTALLY OR DOWNWARD TO CONNECTIONS WITH GROUND TERMINALS.
- ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED NOT MORE THAN 3' MAXIMUM SPACING.
- CONNECTIONS TO GROUND ROD/GROUND LOOP CONDUCTOR SHALL BE MADE AT A POINT NOT LESS THAN 2-1/2' BELOW GRADE AND 2' AWAY FROM FOUNDATION WALL.
- ACTUAL JOB-SITE CONDITIONS MAY NECESSITATE SLIGHT ALTERATIONS IN AIR TERMINAL AND GROUND ROD LOCATIONS.
- AIR TERMINALS SHALL BE PLACED AT ALL UNPROTECTED OUTSIDE CORNERS AND LOCATED INTERMEDIATELY ON 20' MAXIMUM SPACING AROUND THE ROOF PERIMETER OR RIDGE AND WITHIN 2' OF OUTSIDE EDGE.
- MIDROOF AIR TERMINALS SHALL BE PLACED ON 50' MAXIMUM SPACING.
- BOND ALL METALLIC PIPES INCLUDING WATER, FIRE, GAS, SEWER, STORM, ETC. WHICH ENTER THE STRUCTURE TO THE NEAREST DOWNLEAD, GROUND ROD OR GROUND LOOP.
- BARE COPPER LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM ROOF OR SIDING OR OTHER ALUMINUM SURFACES AND VICE VERSA, ALUMINUM LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON COPPER ROOFING OR COPPER SIDING OR OTHER COPPER SURFACES.
- FOR THE SAKE OF CLARITY, WE HAVE NOT LABELED EACH INDIVIDUAL ITEM OF LIGHTNING PROTECTION MATERIALS ON THE ROOF PLAN. WE HAVE SHOWN INSTALLATION DETAILS AND HAVE CALLED OUT EACH OF THESE DETAILS ON THE ROOF PLAN ONLY AT RANDOM LOCATIONS.
- THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED IN A NEAT AND INCONSPICUOUS MANNER SO THAT ALL COMPONENTS WILL BLEND IN WITH THE APPEARANCE OF THE BUILDING.
- ARRESTERS ARE REQUIRED ON ELECTRICAL SERVICE PANEL, DATA AND TELEPHONE LINE ENTRANCES BY THE ELECTRICAL CONTRACTOR OR BY VARIOUS UTILITY AGENCIES.
- TELEPHONE AND/OR ELECTRICAL SERVICE ENTRANCE GROUNDS SHALL BE INTERCONNECTED TO ONE LIGHTNING PROTECTION GROUND OR WATER PIPE.
- PROVIDE A 3/4" X 10' COPPER CLAD STEEL GROUND ROD ADJACENT TO AT EVERY DOWNLEAD.
- BOND BUILDING COLUMNS AS SHOWN ON THE DRAWINGS TO THE GROUND RING WITH A COPPER CABLE. USE EXOTHERMIC WELDS.
- CONDUCTORS CROSSING EXPANSION JOINTS (METAL ROOF CAPS) SHALL BE ENCAPSULATED IN PVC CONDUIT.
- THIS DRAWING IS PROVIDED TO DEMONSTRATE THE OVERALL SCOPE OF THE WORK. PROVIDE A COMPLETE LIGHTNING PROTECTION SYSTEM AS DESCRIBED IN THE SPECIFICATIONS.

ADDENDUM #2 03-12-2020

KEY PLAN

PROJECT NORTH

TRUE NORTH

No.	Description	Date
3	100% Construction Documents	2/14/20
2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

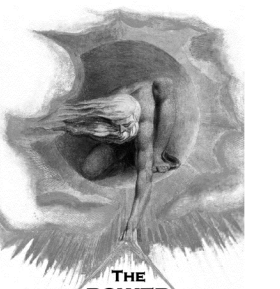
Meridian Airport Authority
 DEAN AIRCRAFT SERVICE

HANGAR ADDITIONS & ALTERATIONS

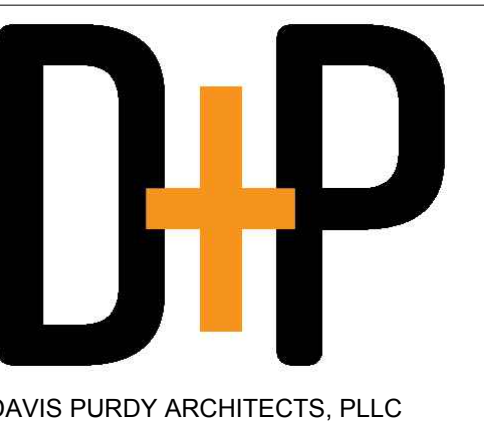
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Project No. 19-006 Date 2/14/20

E-004



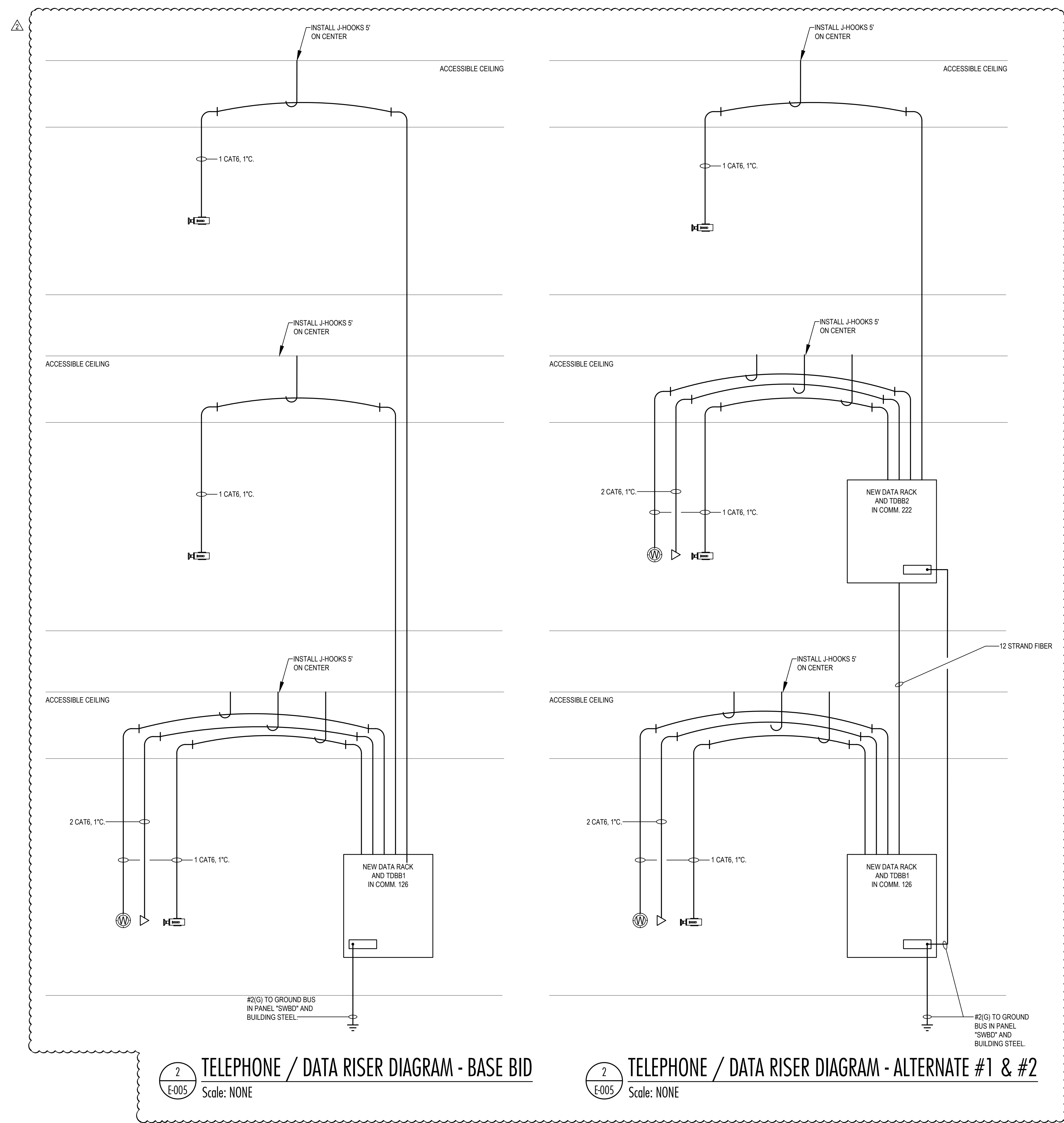
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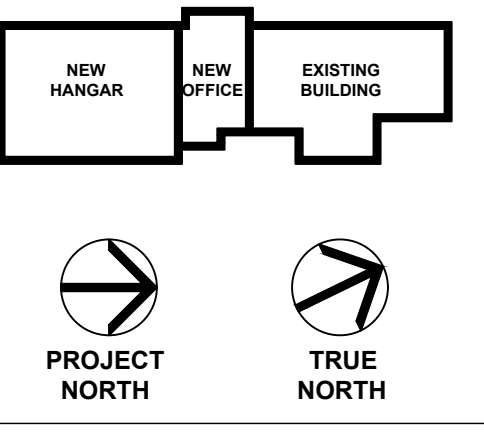
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2 TELEPHONE / DATA RISER DIAGRAM - BASE BID
 E-005 Scale: NONE

2 TELEPHONE / DATA RISER DIAGRAM - ALTERNATE #1 & #2
 E-005 Scale: NONE

KEY PLAN



Revised

No.	Description	Date
3	100% Construction Documents	2/14/20
2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

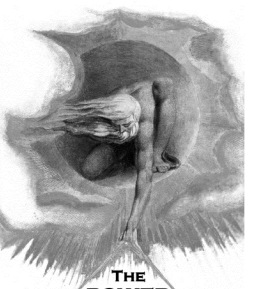
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Sheet Title
TELEPHONE RISER DIAGRAM

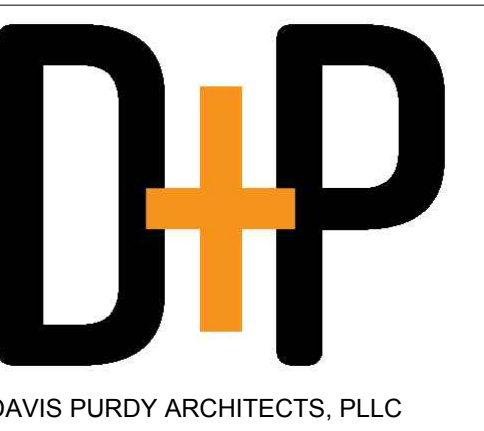
Project No. 19-006 Date 2/14/20

ADDENDUM #2 03-12-2020

E-005



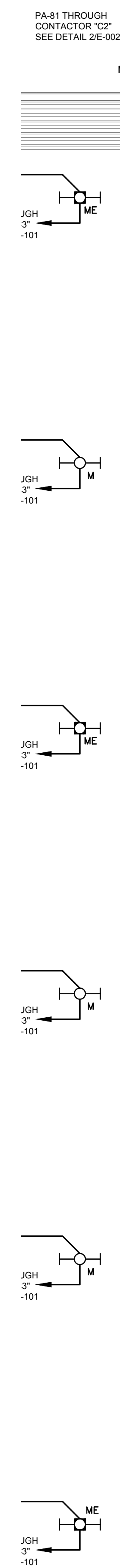
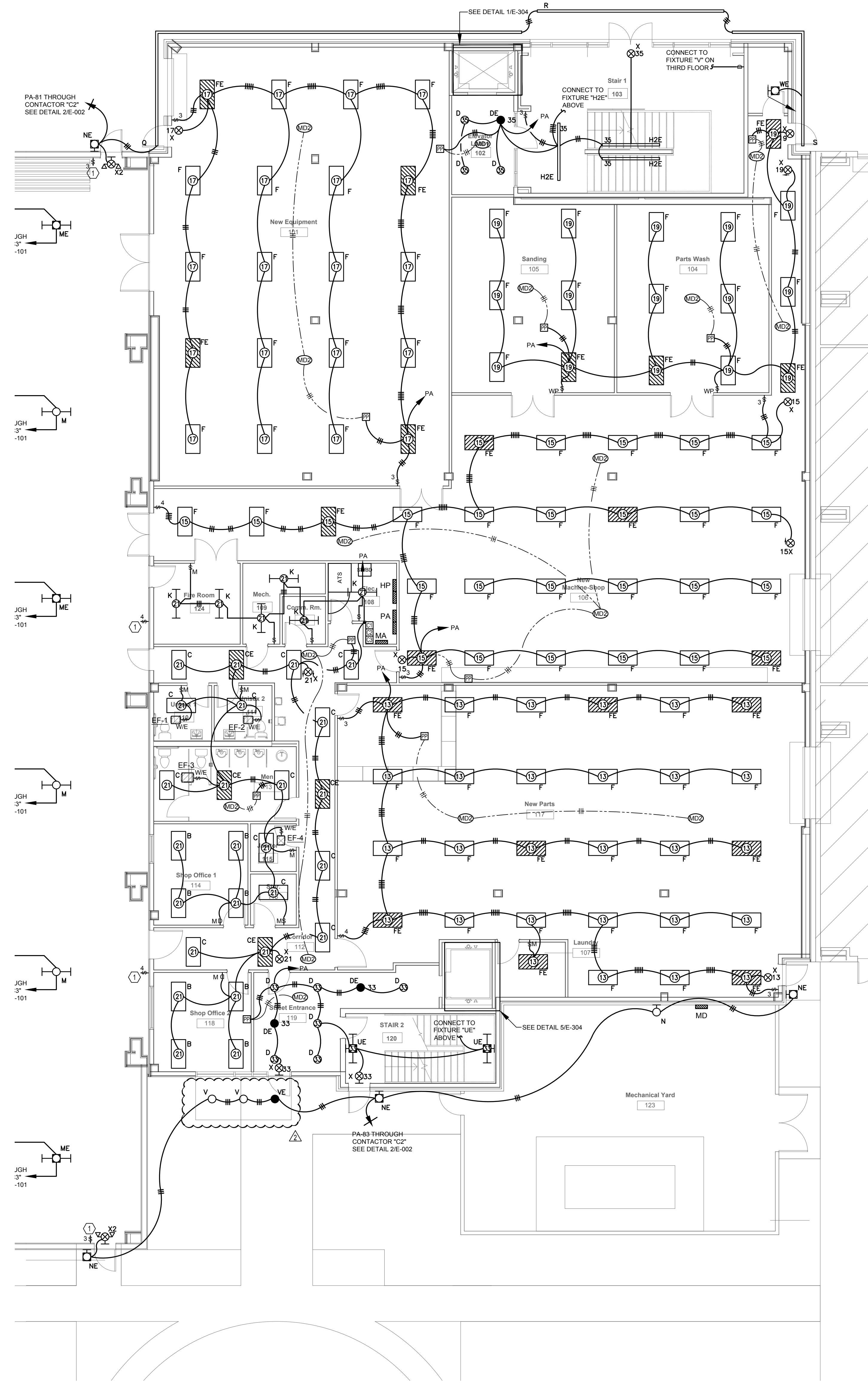
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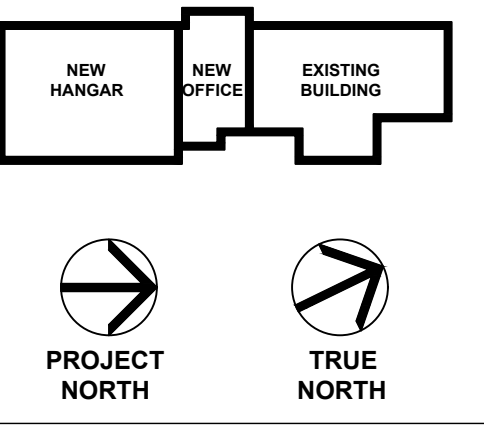
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KEY PLAN



Rev

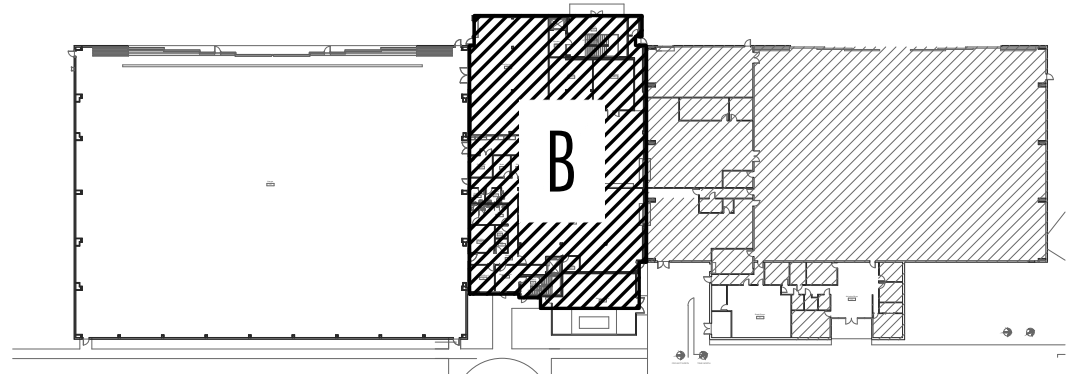
No.	Description	Date
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2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

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Sheet Title
PARTIAL LIGHTING PLAN 1ST FLOOR PART B

Project No. 19-006 Date 2/14/20

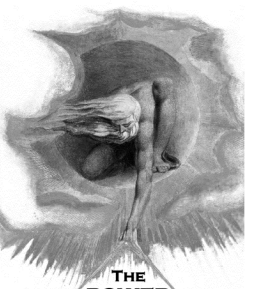
E-102



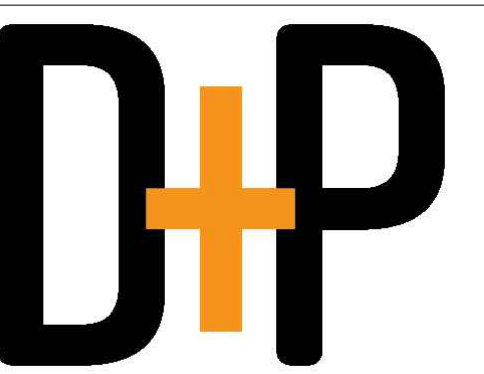
KEY PLAN - 1ST FLOOR

1
PARTIAL LIGHTING PLAN - FIRST FLOOR - PART B
Scale: 1/8" = 1'-0"

ADDENDUM #2 03-12-2020



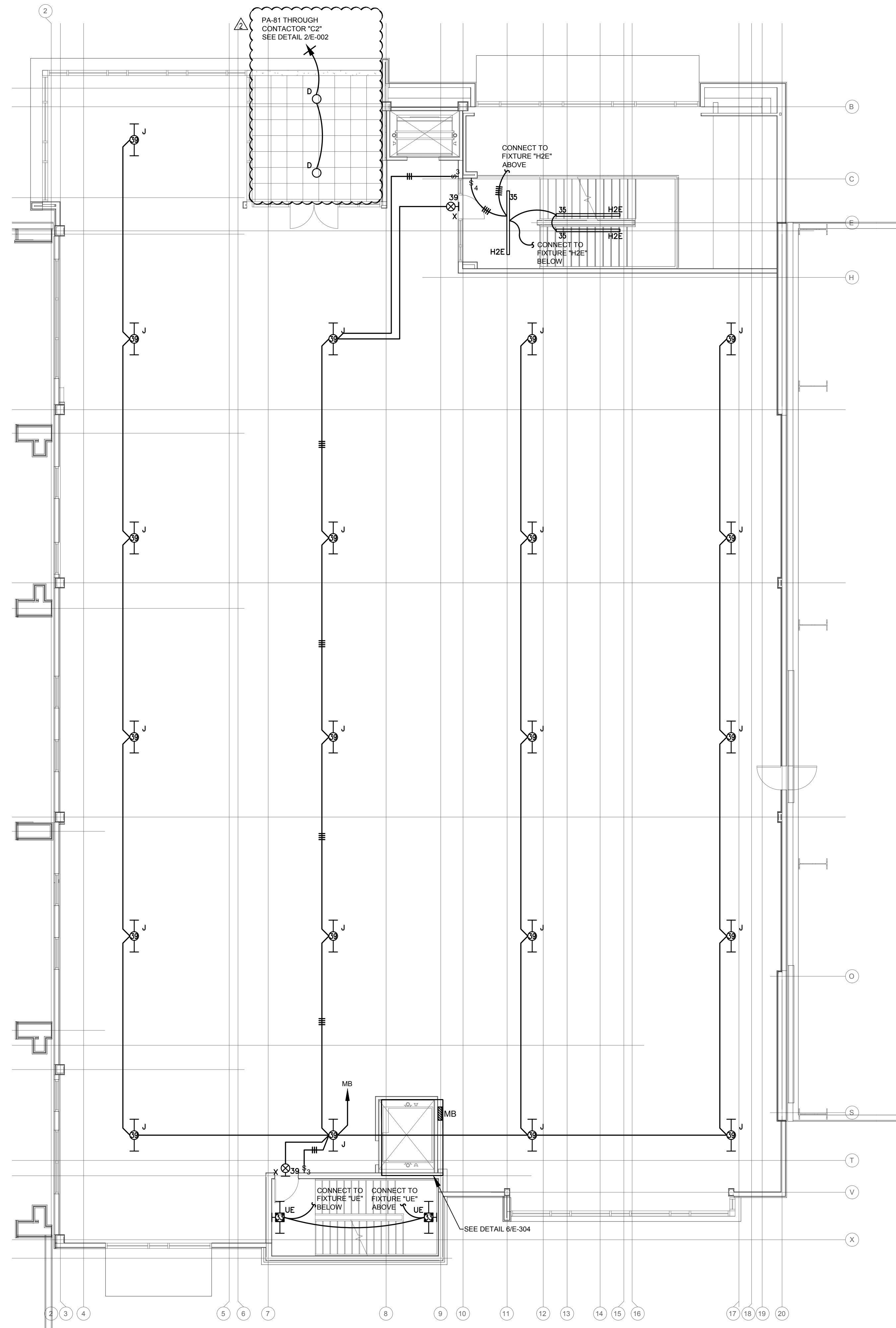
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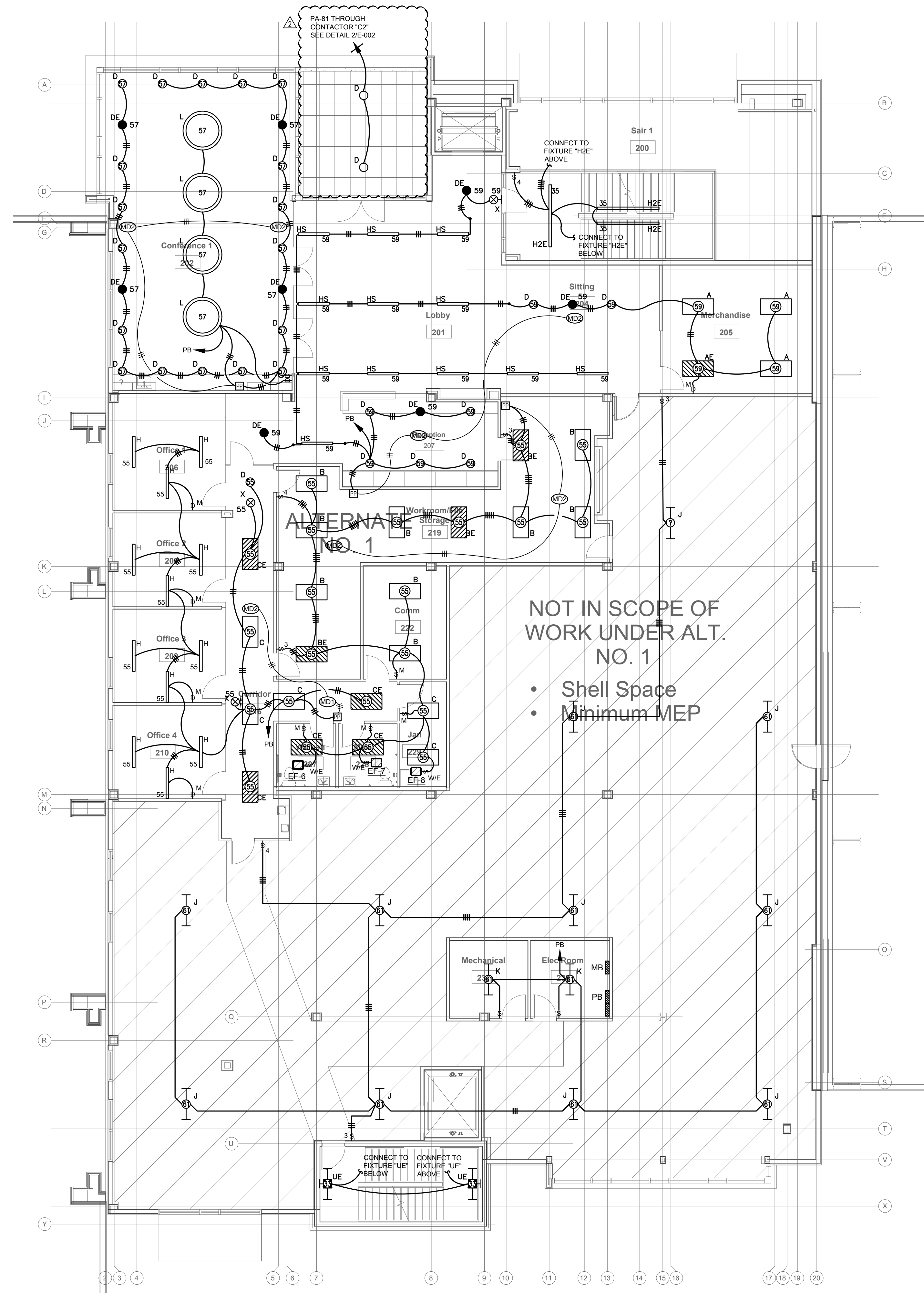
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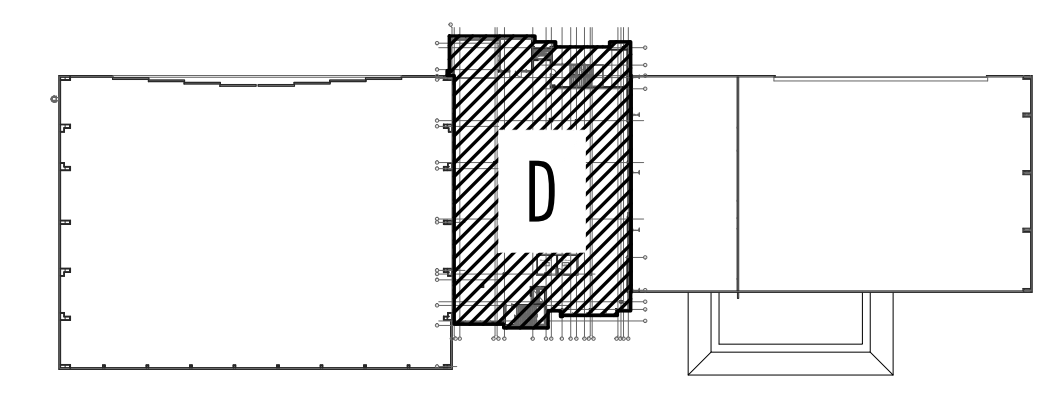
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1 PARTIAL LIGHTING PLAN - SECOND FLOOR - PART D
E-103 Scale: 1/8" = 1'-0"



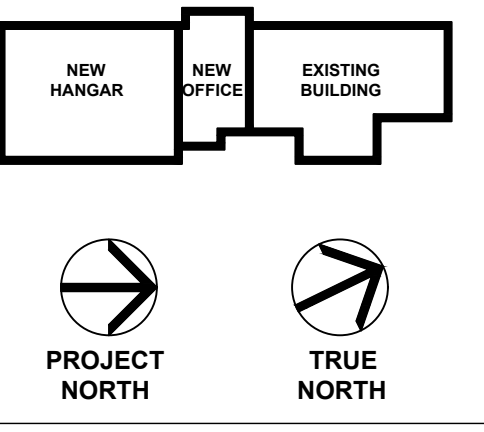
1 PARTIAL LIGHTING PLAN - SECOND FLOOR - ALTERNATE #1 - PART D
E-103 Scale: 1/8" = 1'-0"



KEY PLAN - 2ND FLOOR

ADDENDUM #2 03-12-2020

KEY PLAN



Scale

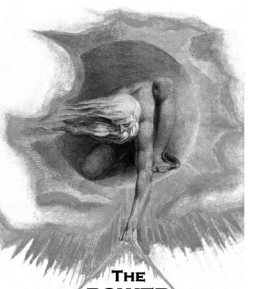
No.	Description	Date
3	100% Construction Documents	2/14/20
2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

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Meridian, MS 39307

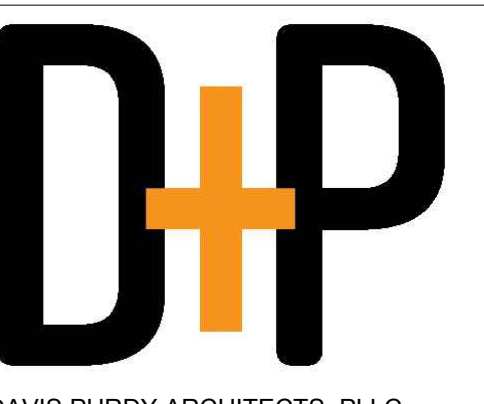
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PARTIAL LIGHTING PLAN 2ND FLOOR PART D

Project No. 19-006 Date 2/14/20

E-103



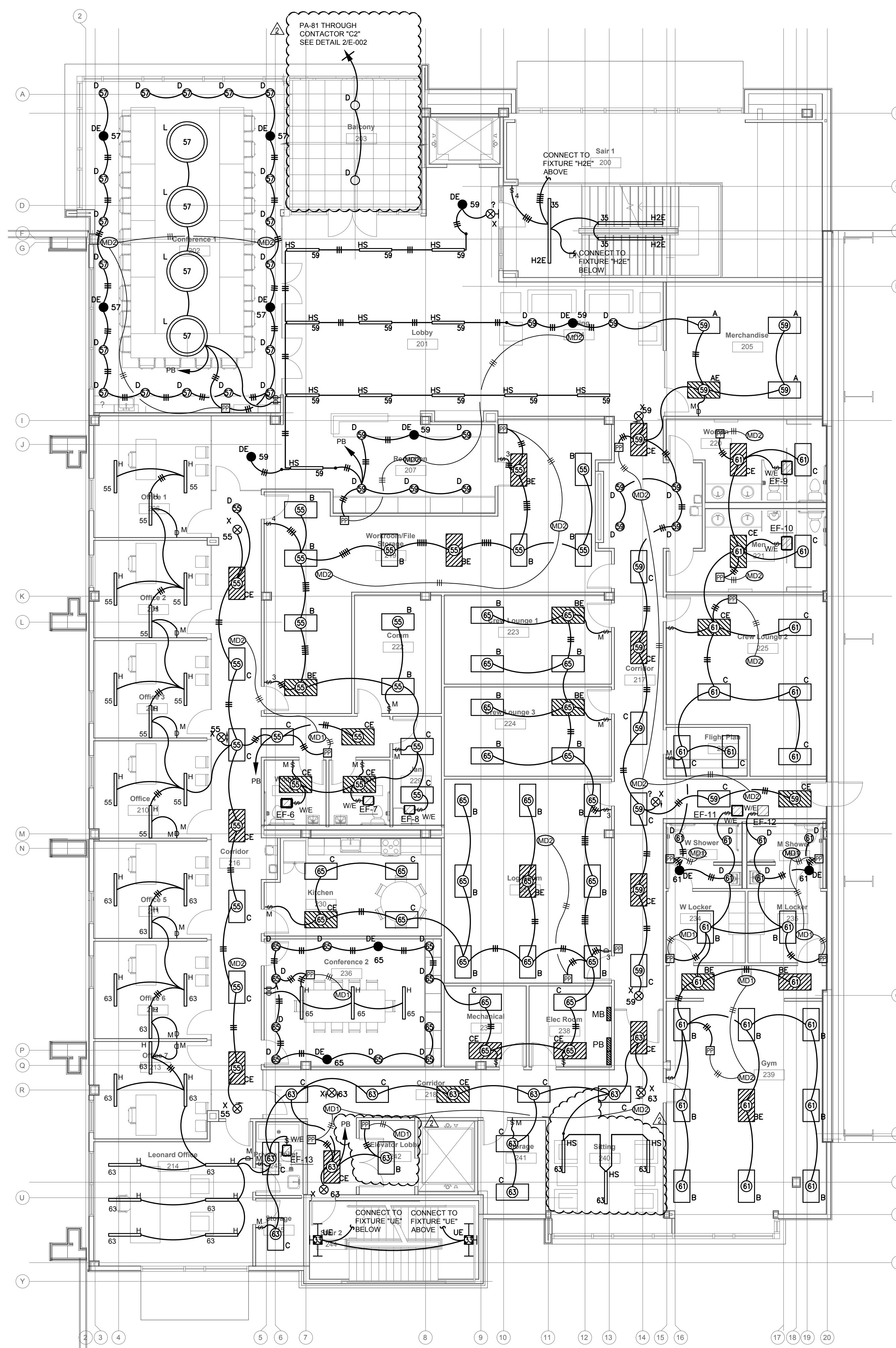
THE POWER SOURCE LLC
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 MADISON, MS 39110
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 FAX (601) 605-4975
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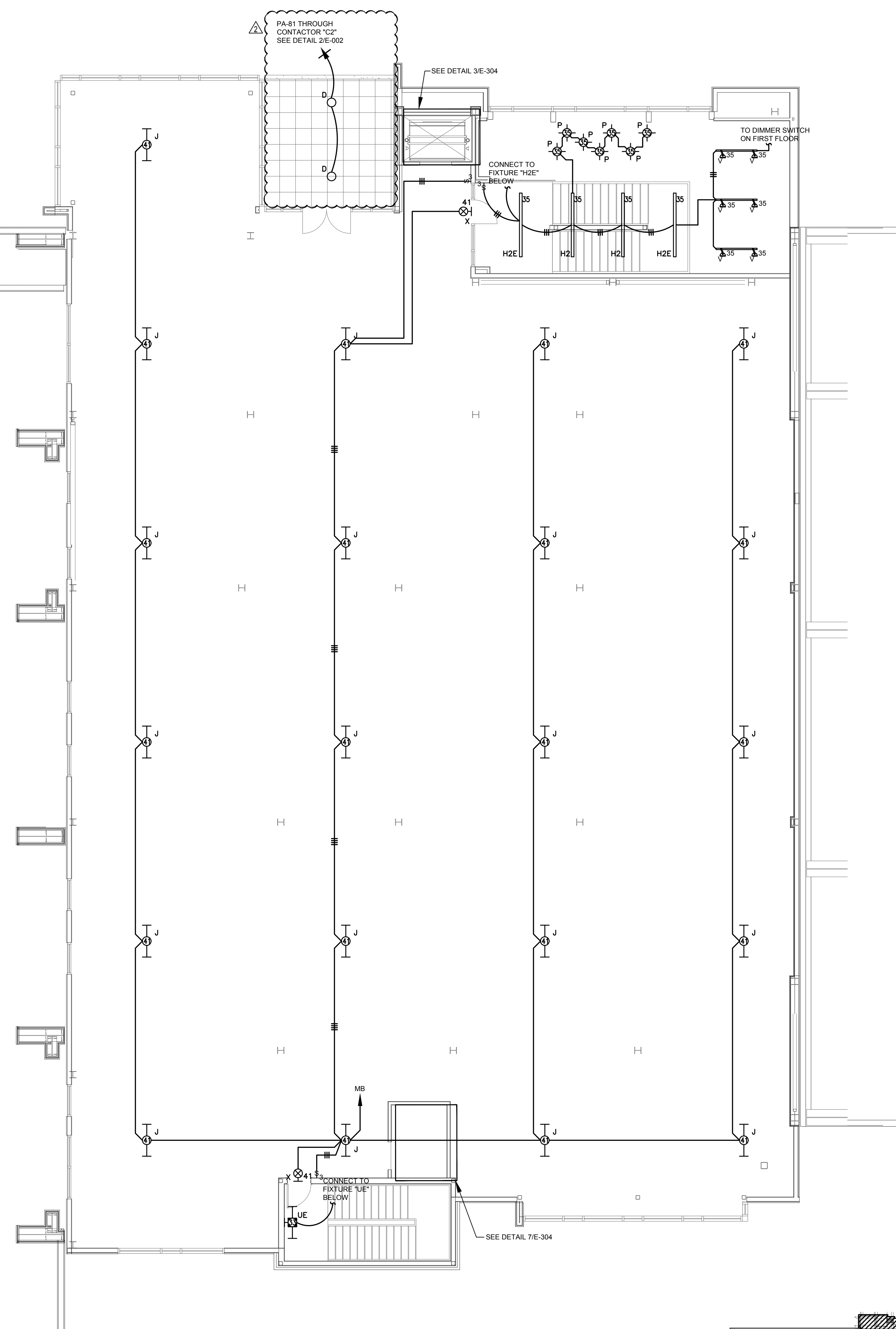
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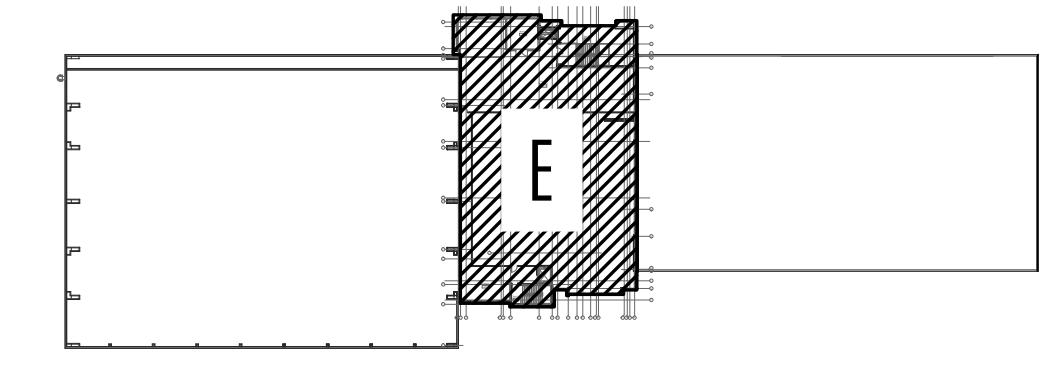
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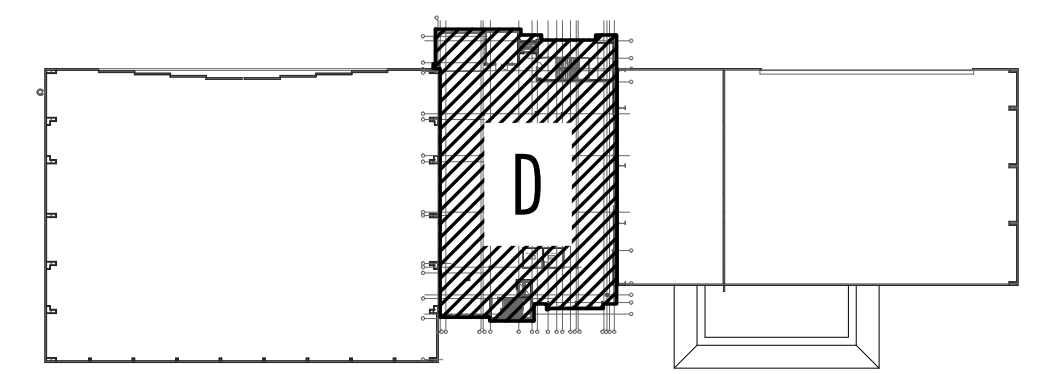
1 PARTIAL LIGHTING PLAN - SECOND FLOOR - ALTERNATE #2 - PART D
 E-104 Scale: 1/8" = 1'-0"



1 PARTIAL LIGHTING PLAN - THIRD FLOOR - BASE BID - PART D
 E-104 Scale: 1/8" = 1'-0"

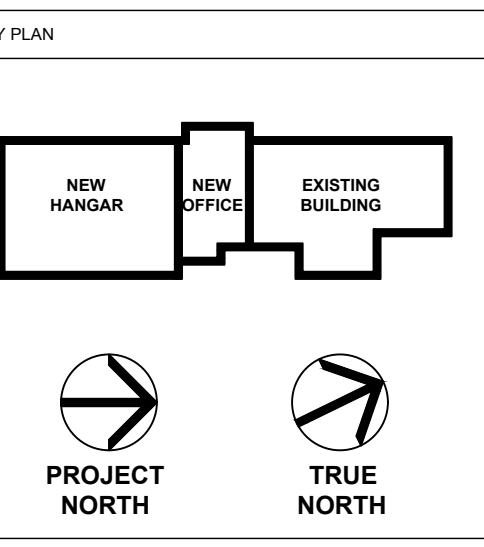


KEY PLAN - 3RD FLOOR



KEY PLAN - 2ND FLOOR

ADDENDUM #2 03-12-2020



See

No.	Description	Date
3	100% Construction Documents	2/14/20
2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

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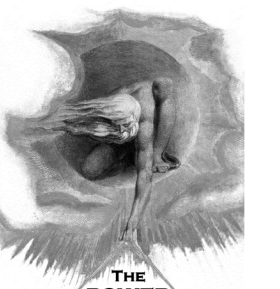
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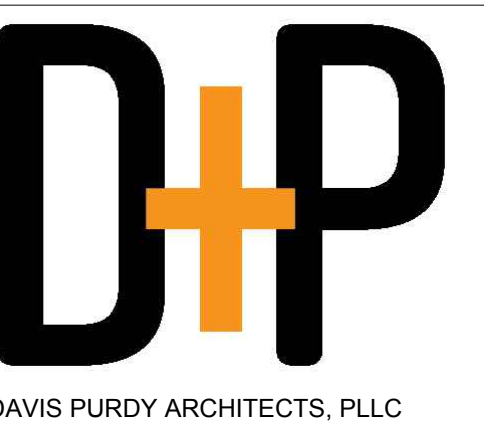
Sheet Title
PARTIAL LIGHTING PLAN 2ND & 3RD FLOOR

Project No. 19-006 Date 2/14/20

E-104



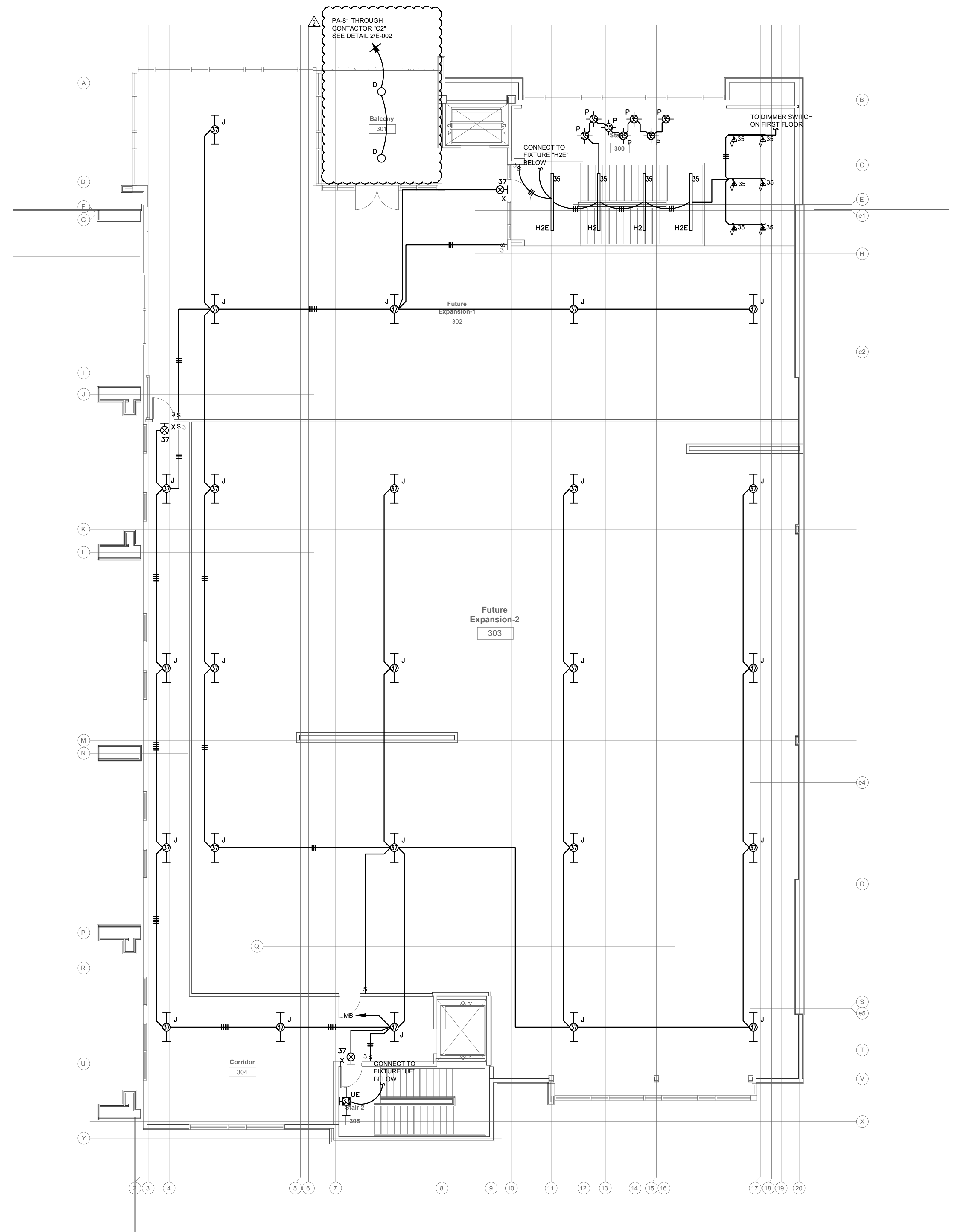
THE POWER SOURCE LLC
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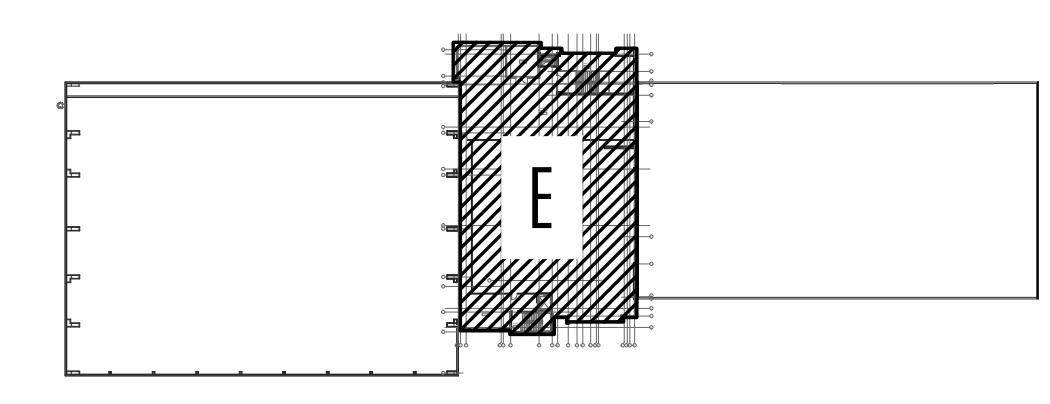
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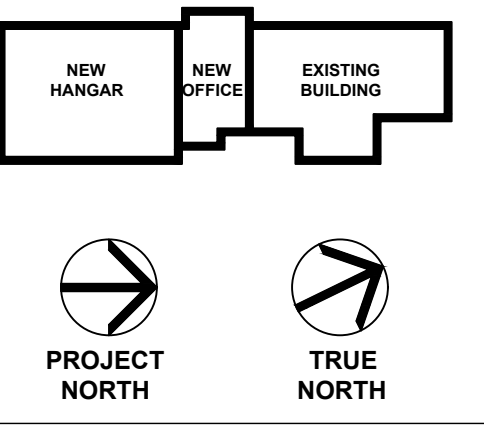
PARTIAL LIGHTING PLAN - THIRD FLOOR - ALTERNATE #3 - PART E
 Scale: 1/8" = 1'-0"



KEY PLAN - 3RD FLOOR

ADDENDUM #2 03-12-2020

KEY PLAN



Reel

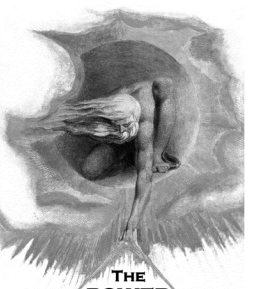
No.	Description	Date
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2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

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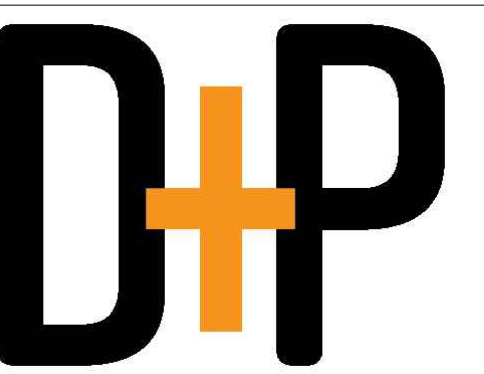
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PARTIAL LIGHTING PLAN 3RD FLOOR

Project No. 19-006 Date 2/14/20

E-105



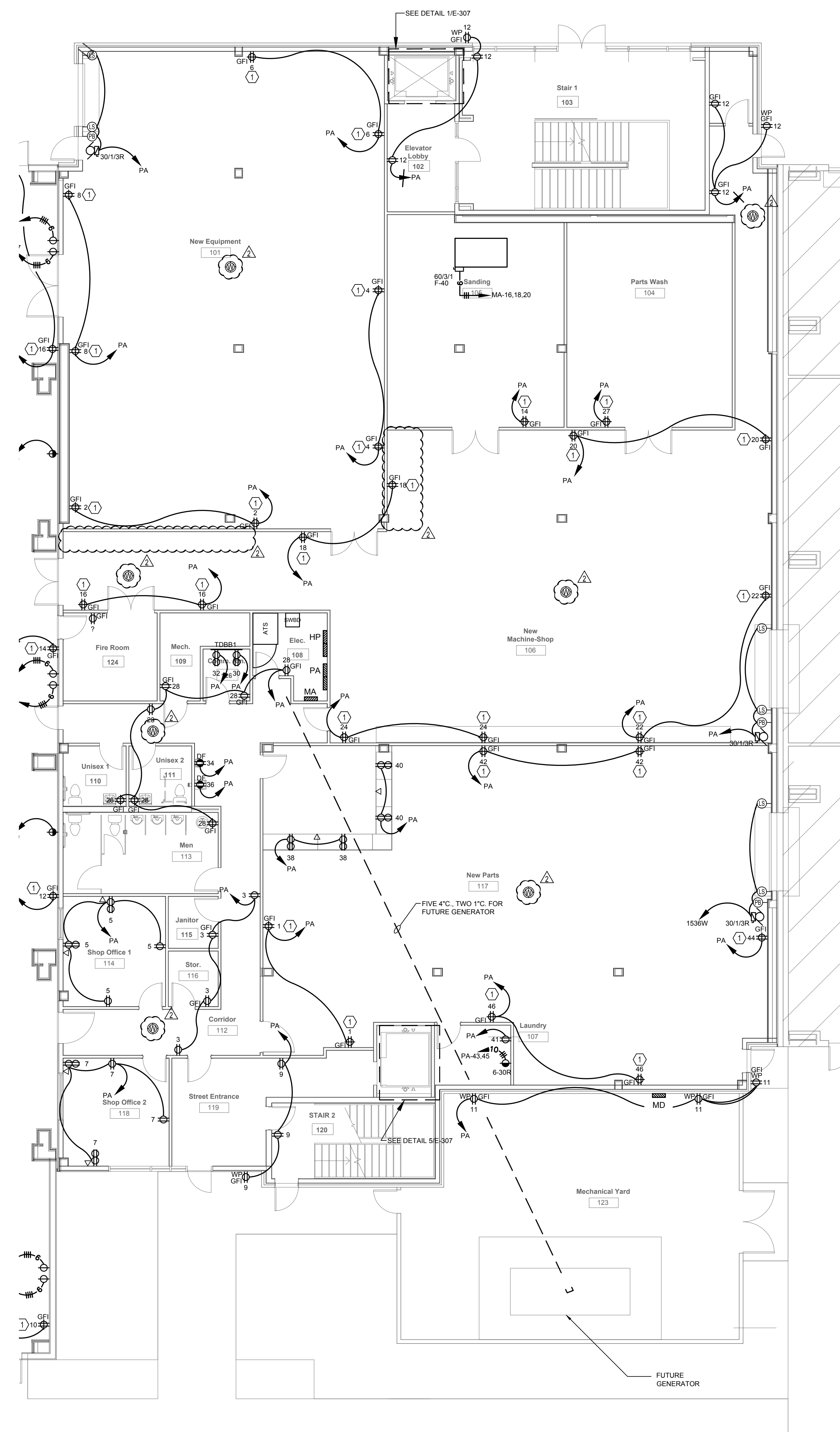
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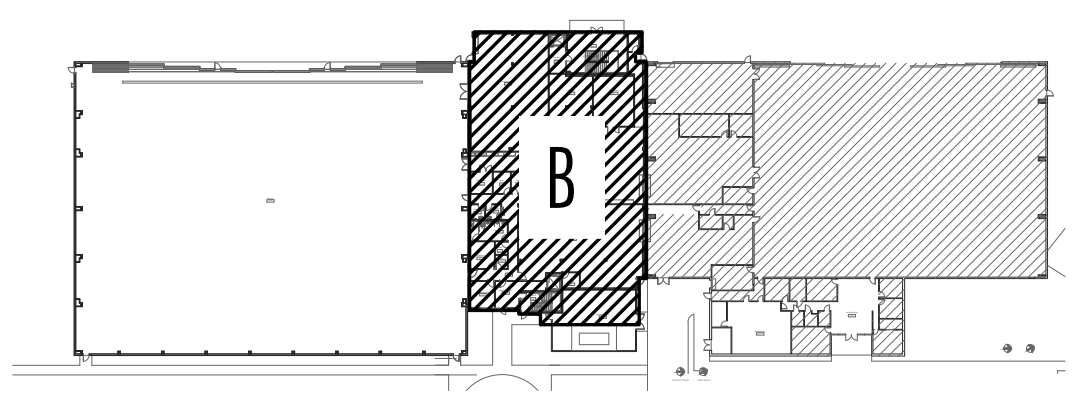


MASTER KEYED NOTES	
Mark	Description
①	MOUNT RECEPTACLE 36\"/>
②	PROVISIONS FOR TELEVISION. VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

NOTE:
IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.

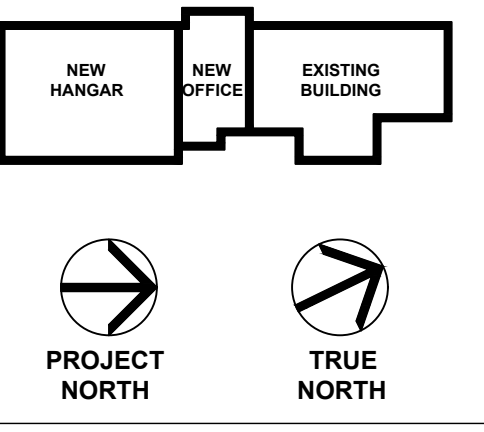
① PARTIAL POWER PLAN - FIRST FLOOR - PART B
E-202 Scale: 1/8" = 1'-0"

ADDENDUM #2 03-12-2020



KEY PLAN - 1ST FLOOR

KEY PLAN



Rev

No.	Description	Date
3	100% Construction Documents	2/14/20
2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

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HANGAR ADDITIONS & ALTERATIONS

2913 Airport Blvd., South St.
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Sheet Title
PARTIAL POWER PLAN 1ST FLOOR PART B

Project No. 19-006 Date 2/14/20

E-202

MASTER KEYED NOTES	
Mark	Description
①	MOUNT RECEPTACLE 36" A.F.F.
②	PROVISIONS FOR TELEVISION. VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

NOTE:
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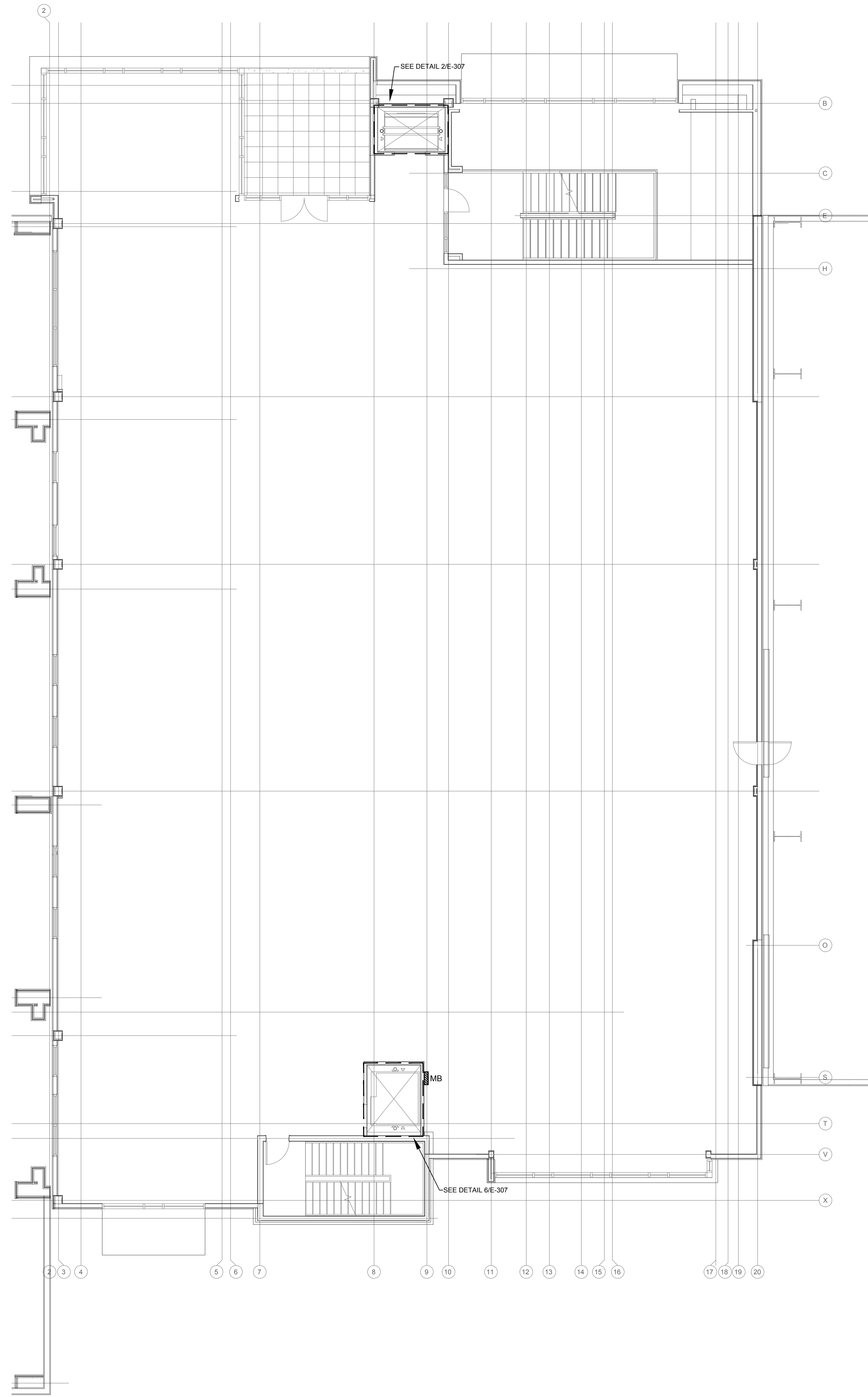
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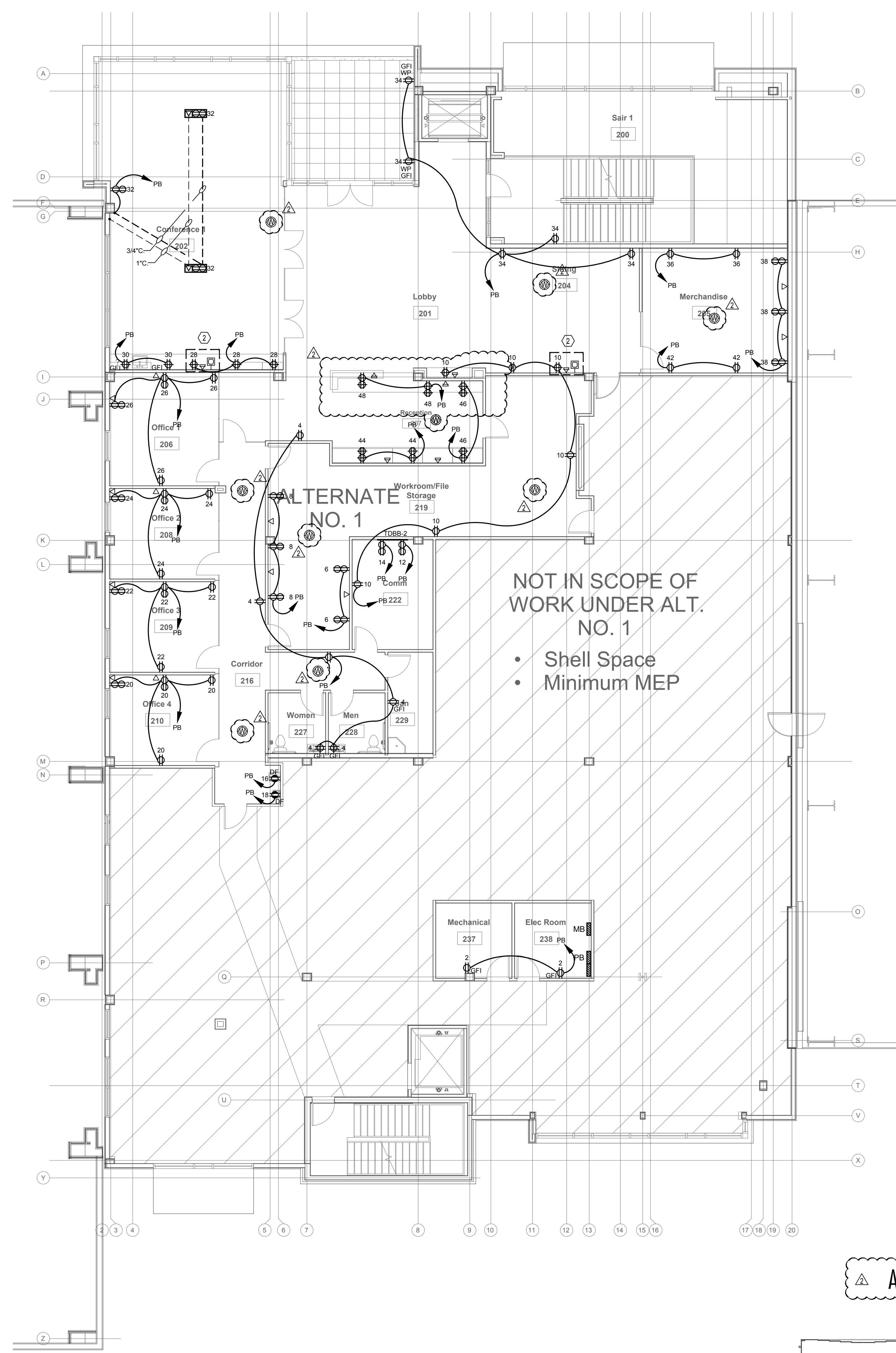
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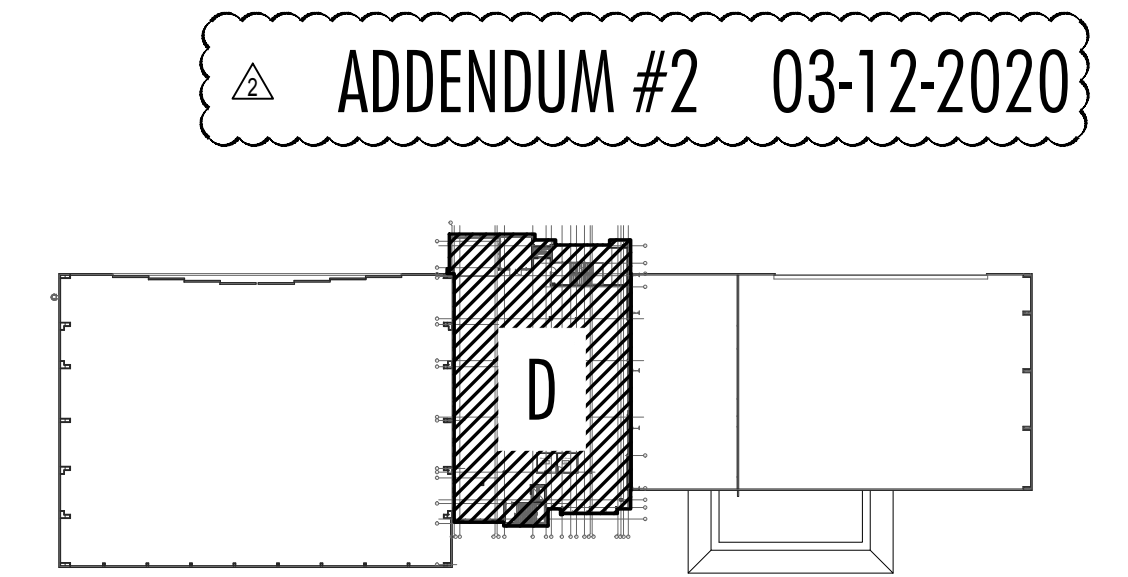
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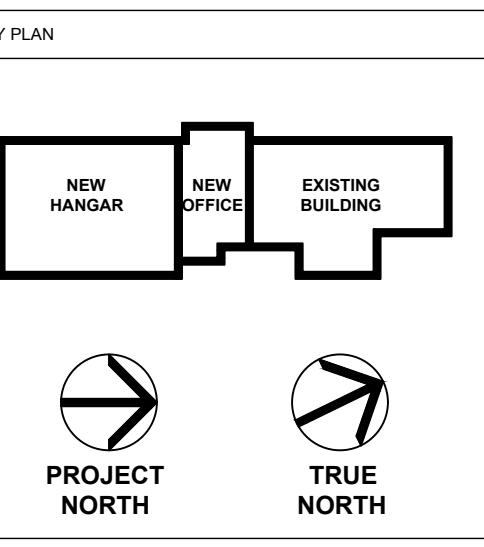
1 PARTIAL POWER PLAN - SECOND FLOOR - PART D
E-204 Scale: 1/8" = 1'-0"



1 PARTIAL POWER PLAN - SECOND FLOOR - ALTERNATE #1 - PART D
E-204 Scale: 1/8" = 1'-0"



KEY PLAN - 2ND FLOOR



No.	Description	Date
3	100% Construction Documents	2/14/20
2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

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Sheet Title
PARTIAL POWER PLAN 2ND FLOOR PART D

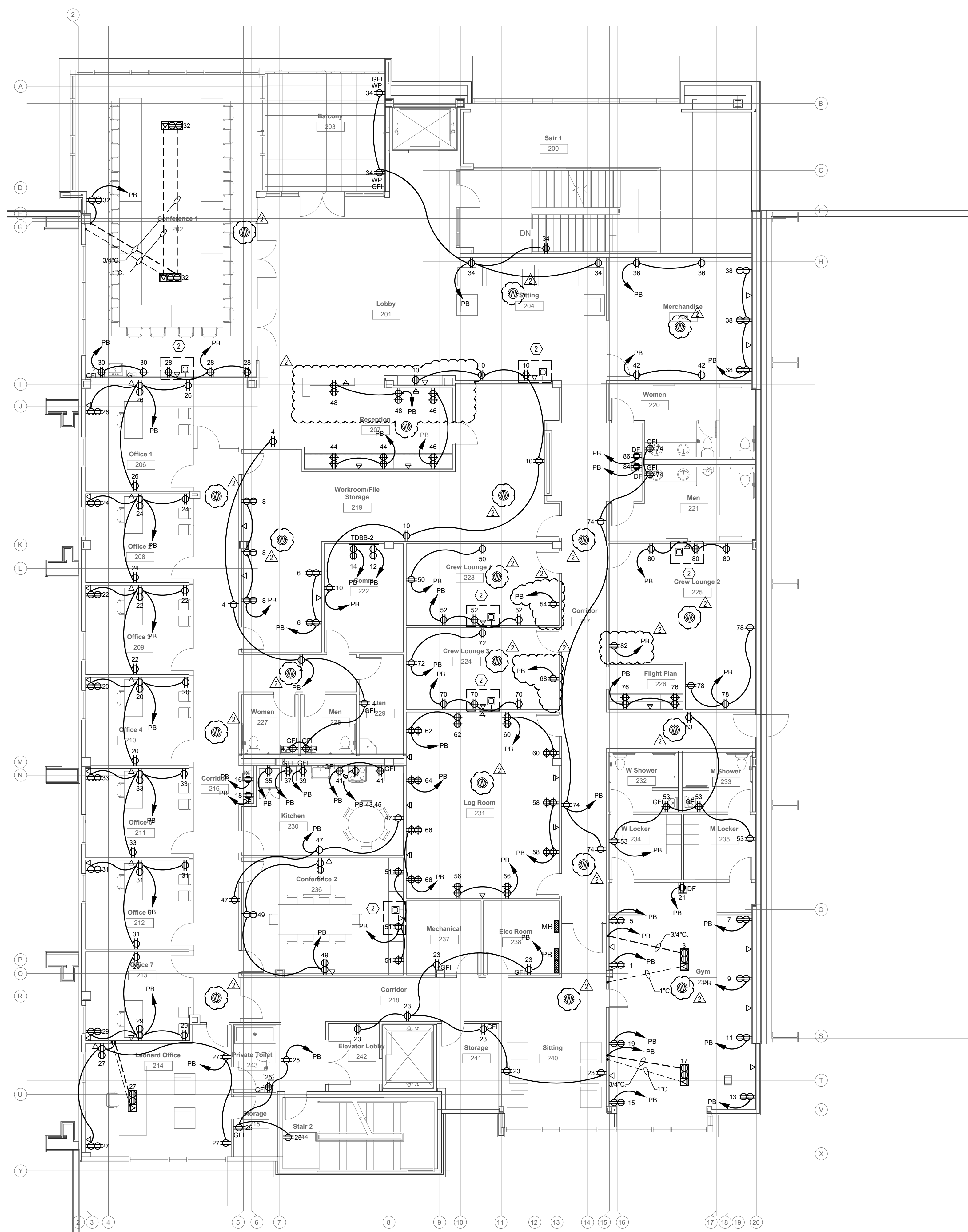
Project No. 19-006 Date 2/14/20

E-204

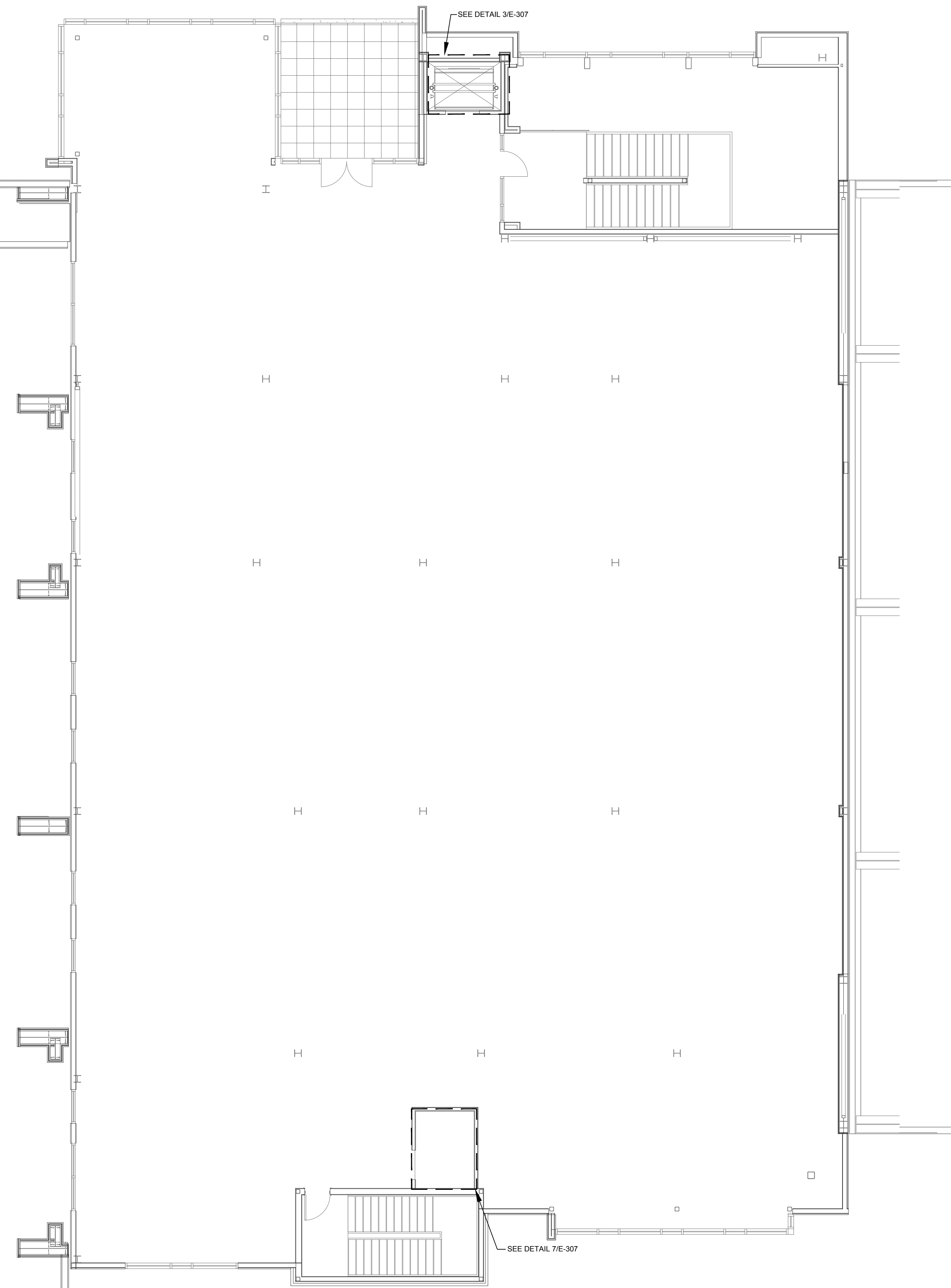
MASTER KEYED NOTES	
Mark	Description
①	MOUNT RECEPTACLE 36" A.F.F.
②	PROVISIONS FOR TELEVISION. VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
NOTE: IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.	

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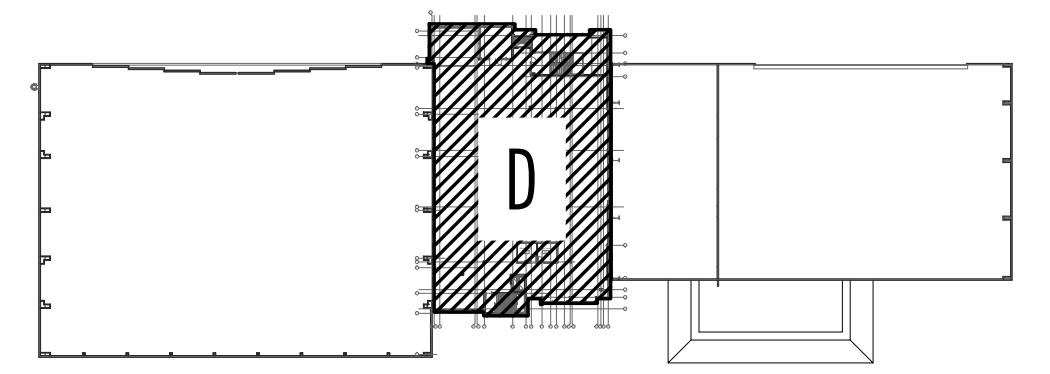


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E-205 Scale: 1/8" = 1'-0"

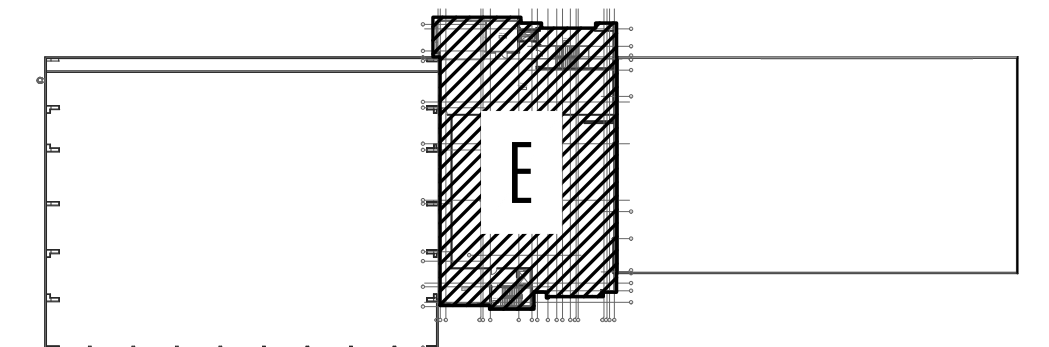


1 PARTIAL POWER PLAN - THIRD FLOOR - BASE BID - PART D
E-205 Scale: 1/8" = 1'-0"

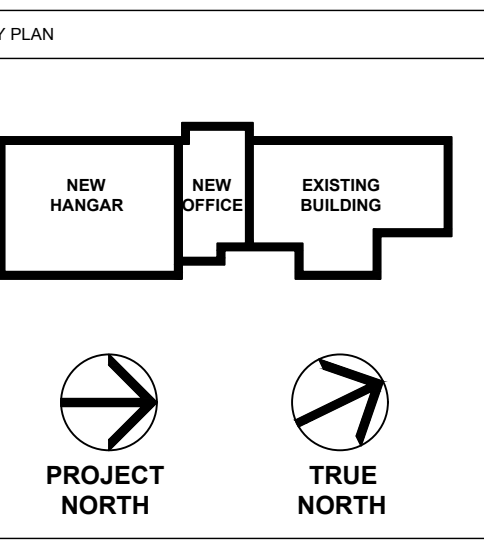
ADDENDUM #2 03-12-2020



KEY PLAN - 2ND FLOOR



KEY PLAN - 3RD FLOOR



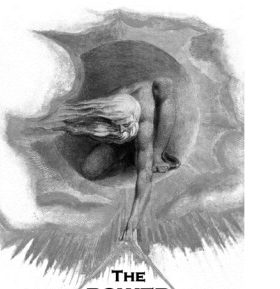
No.	Description	Date
3	100% Construction Documents	2/14/20
2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

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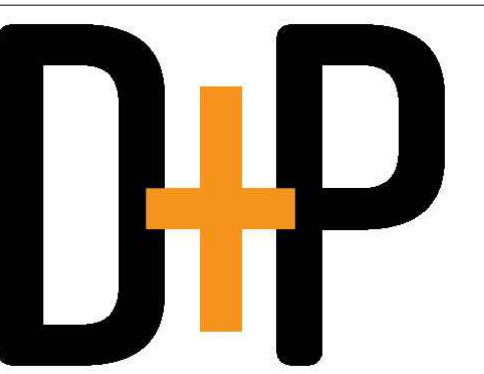
Sheet Title
PARTIAL POWER PLAN 2ND & 3RD FLOOR - PART D & E

Project No. 19-006 Date 2/14/20

E-205



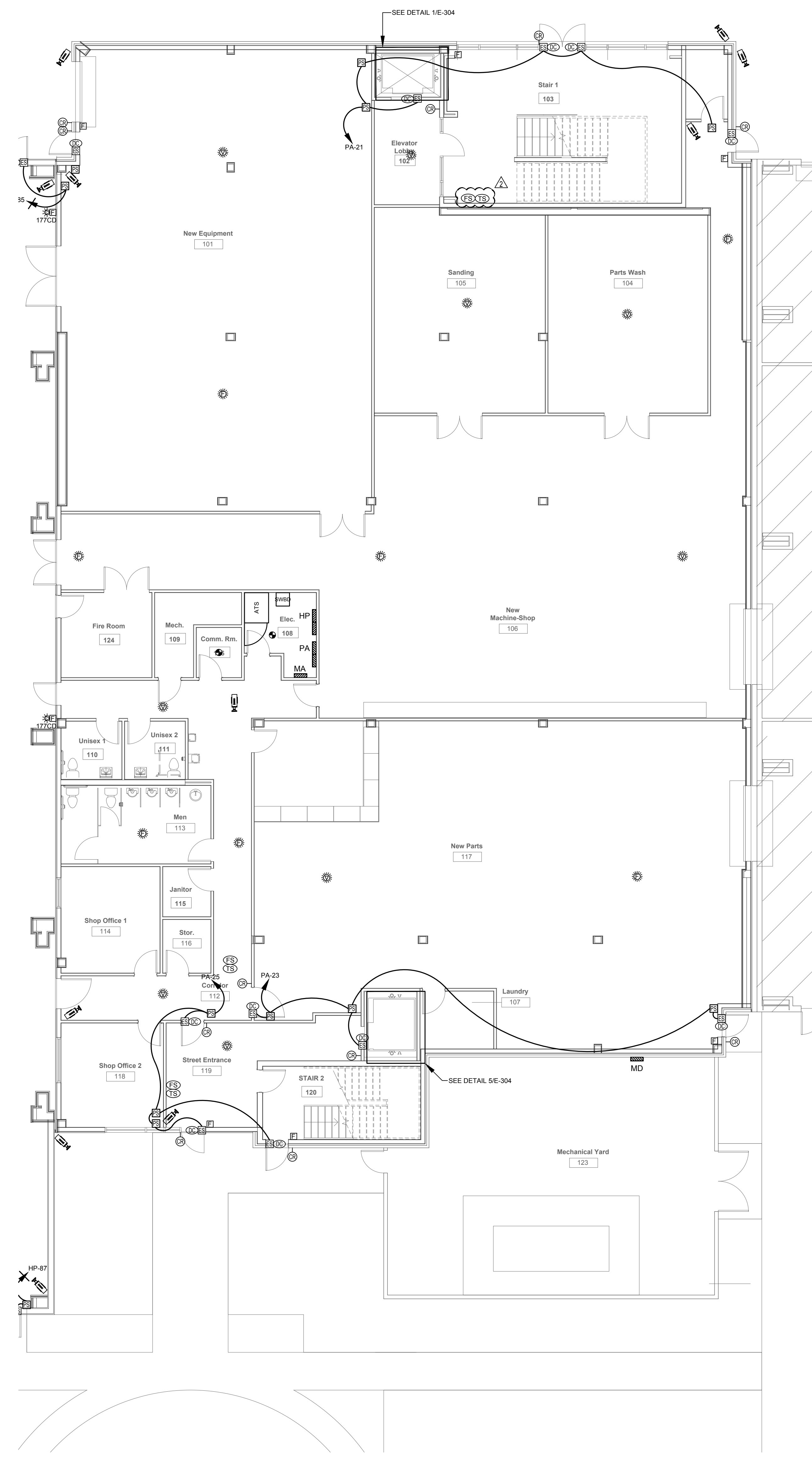
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MADISON, MS 39110
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FAX (601) 605-4875
TPS PROJ. # 19111



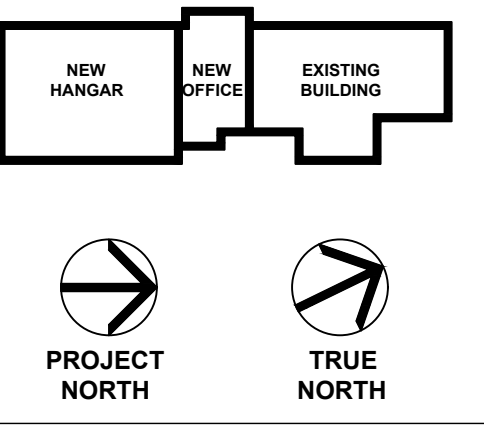
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KEY PLAN



See

No.	Description	Date
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2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

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HANGAR ADDITIONS & ALTERATIONS

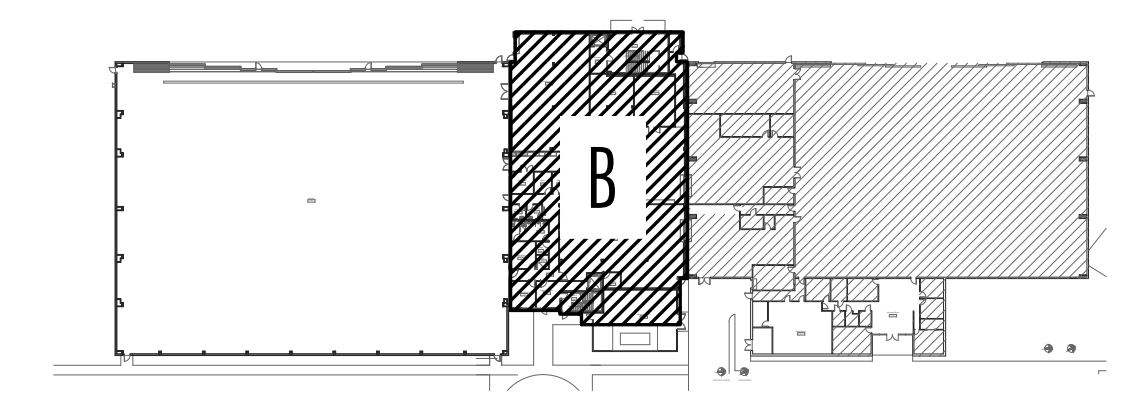
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Sheet Title
**PARTIAL AUXILIARY
PLAN 1ST FLOOR
PART B**

Project No. 19-006 Date 2/14/20

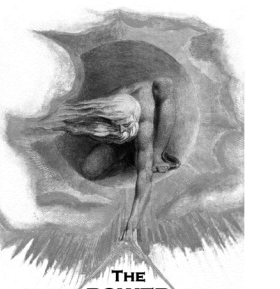
E-302

1 PARTIAL AUXILIARY PLAN - FIRST FLOOR - BASE BID - PART B
E-302 Scale: 1/8" = 1'-0"

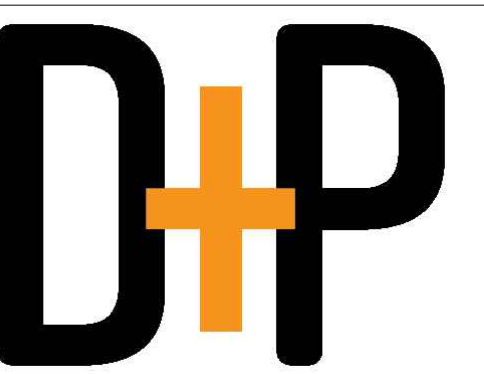


KEY PLAN - 1ST FLOOR

ADDENDUM #2 03-12-2020



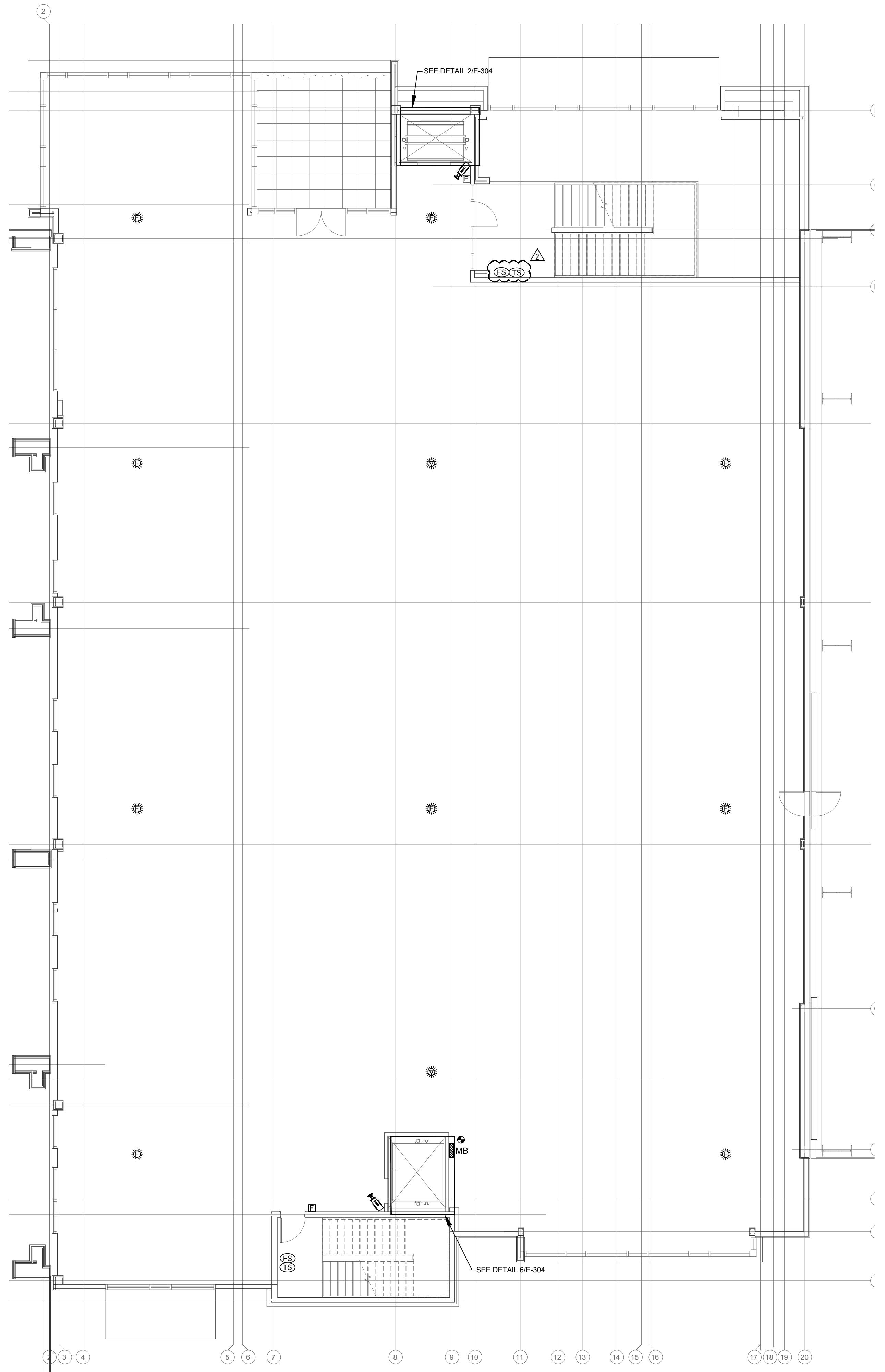
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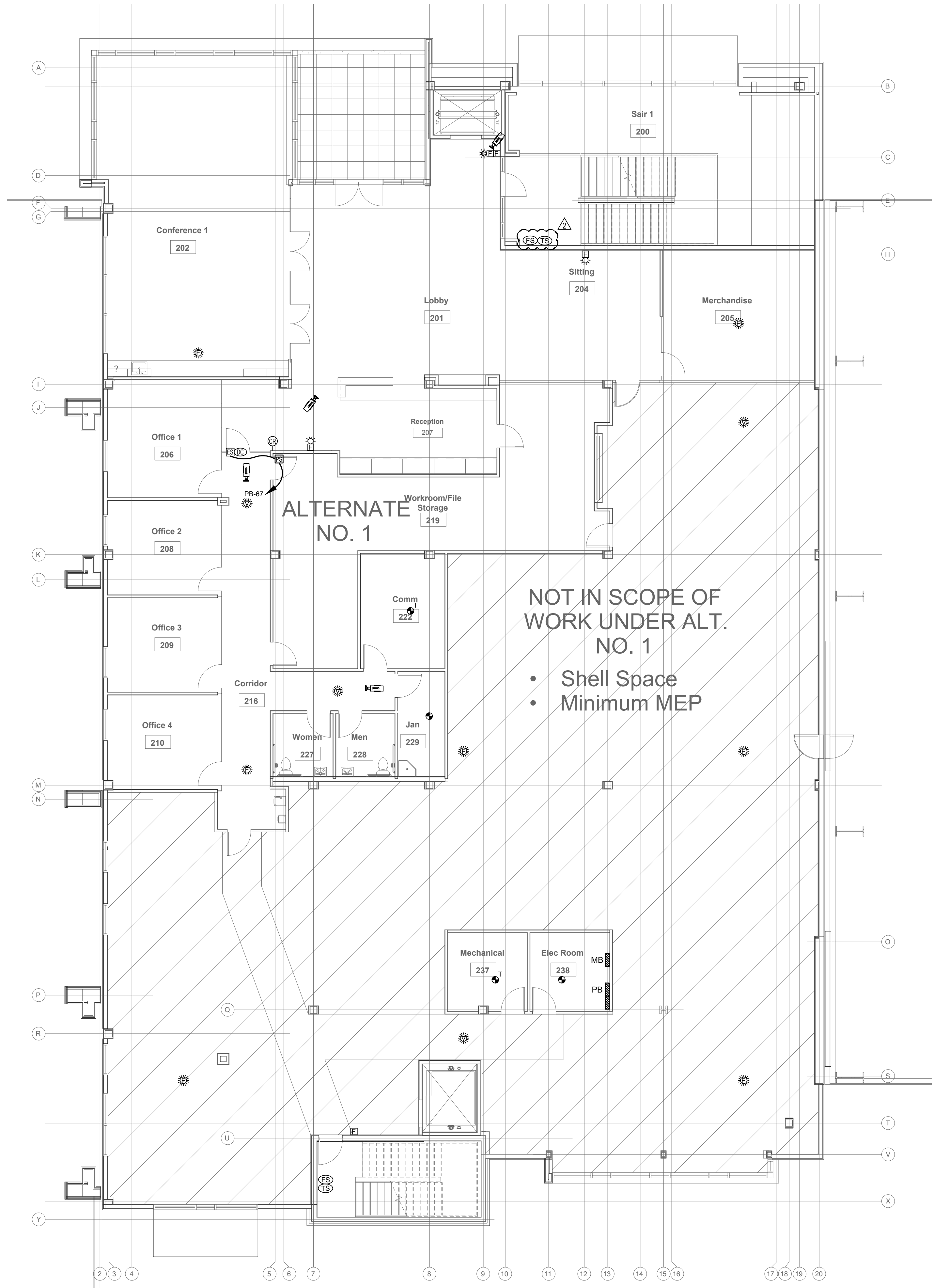
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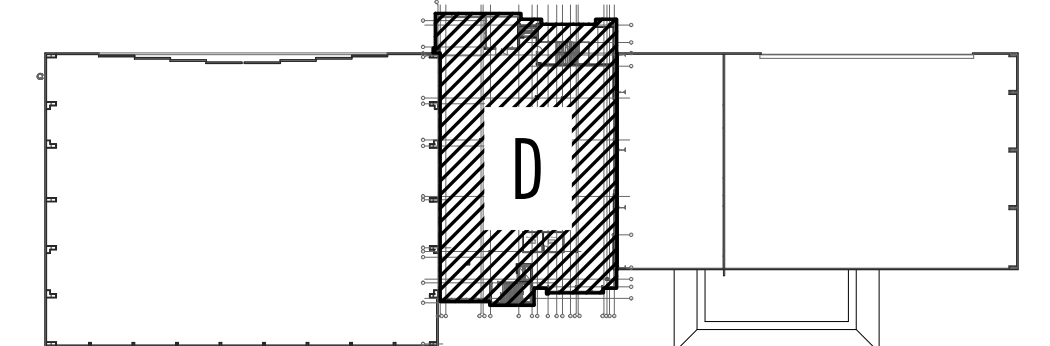
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1
 E-304 PARTIAL AUXILIARY PLAN - SECOND FLOOR - PART D
 Scale: 1/8" = 1'-0"

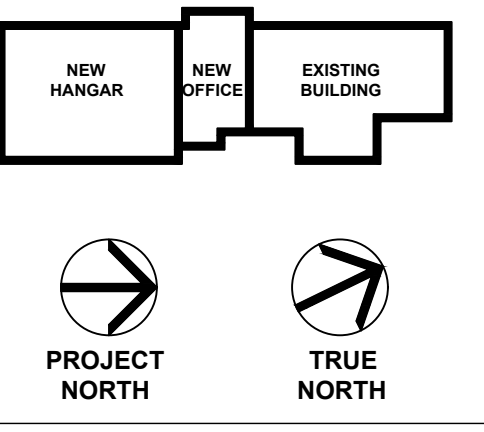


1
 E-304 PARTIAL AUXILIARY PLAN - SECOND FLOOR - ALTERNATE #1 - PART D
 Scale: 1/8" = 1'-0"



KEY PLAN - 2ND FLOOR
 ADDENDUM #2 03-12-2020

KEY PLAN



Scale

No.	Description	Date
3	100% Construction Documents	2/14/20
2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

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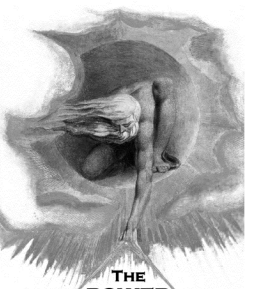
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Sheet Title
PARTIAL AUXILIARY PLAN 2ND FLOOR PART D

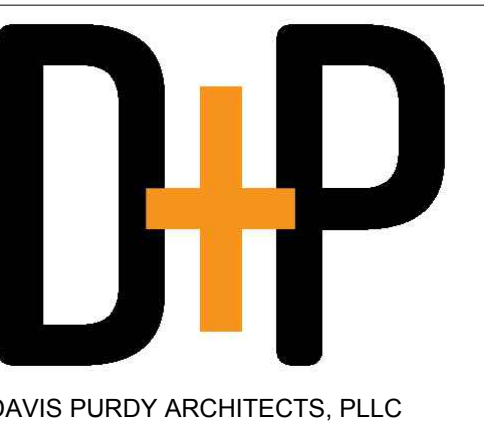
Project No. 19-006 Date 2/14/20

E-304

ALTERNATE #2



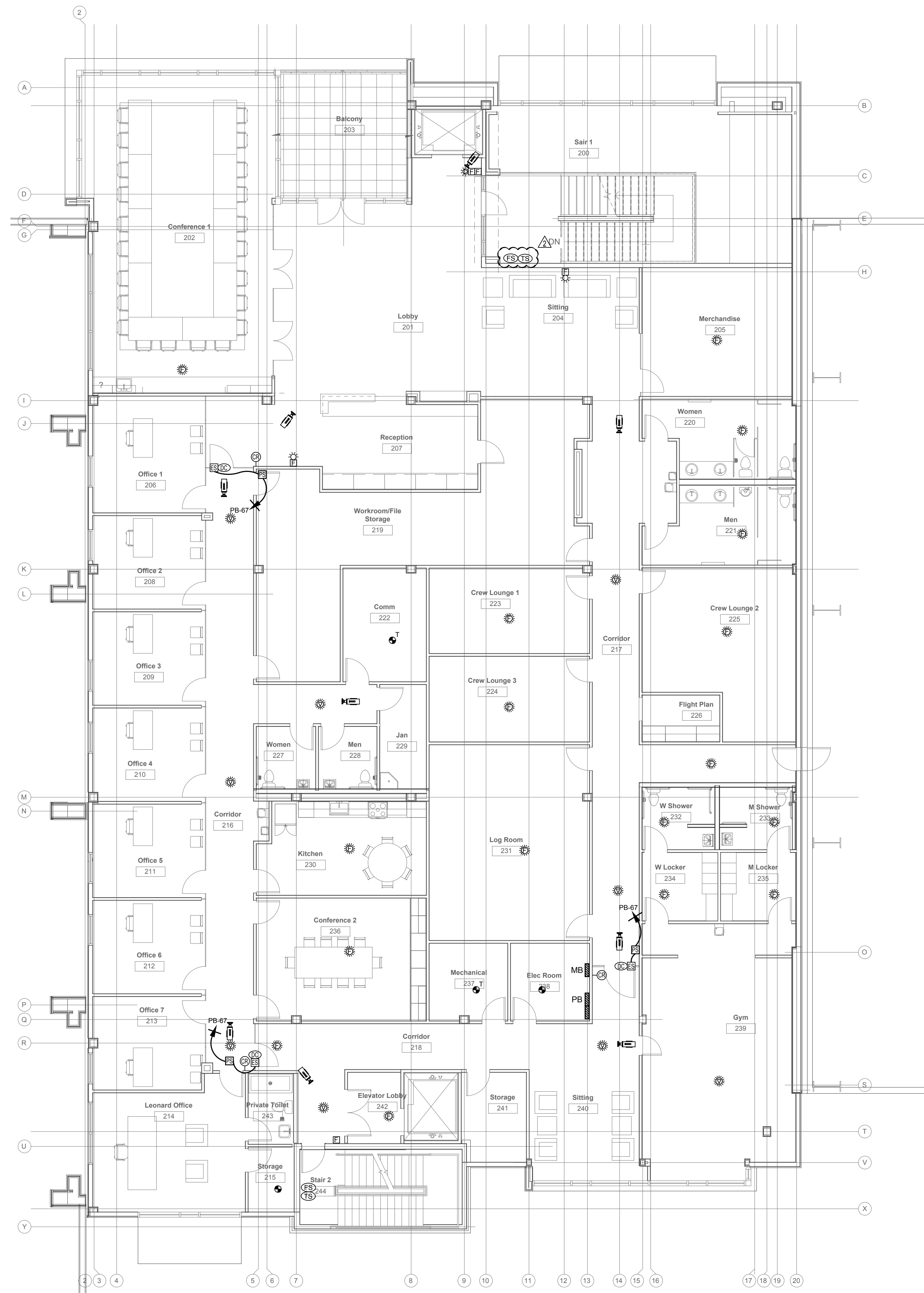
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 MADISON, MS 39110
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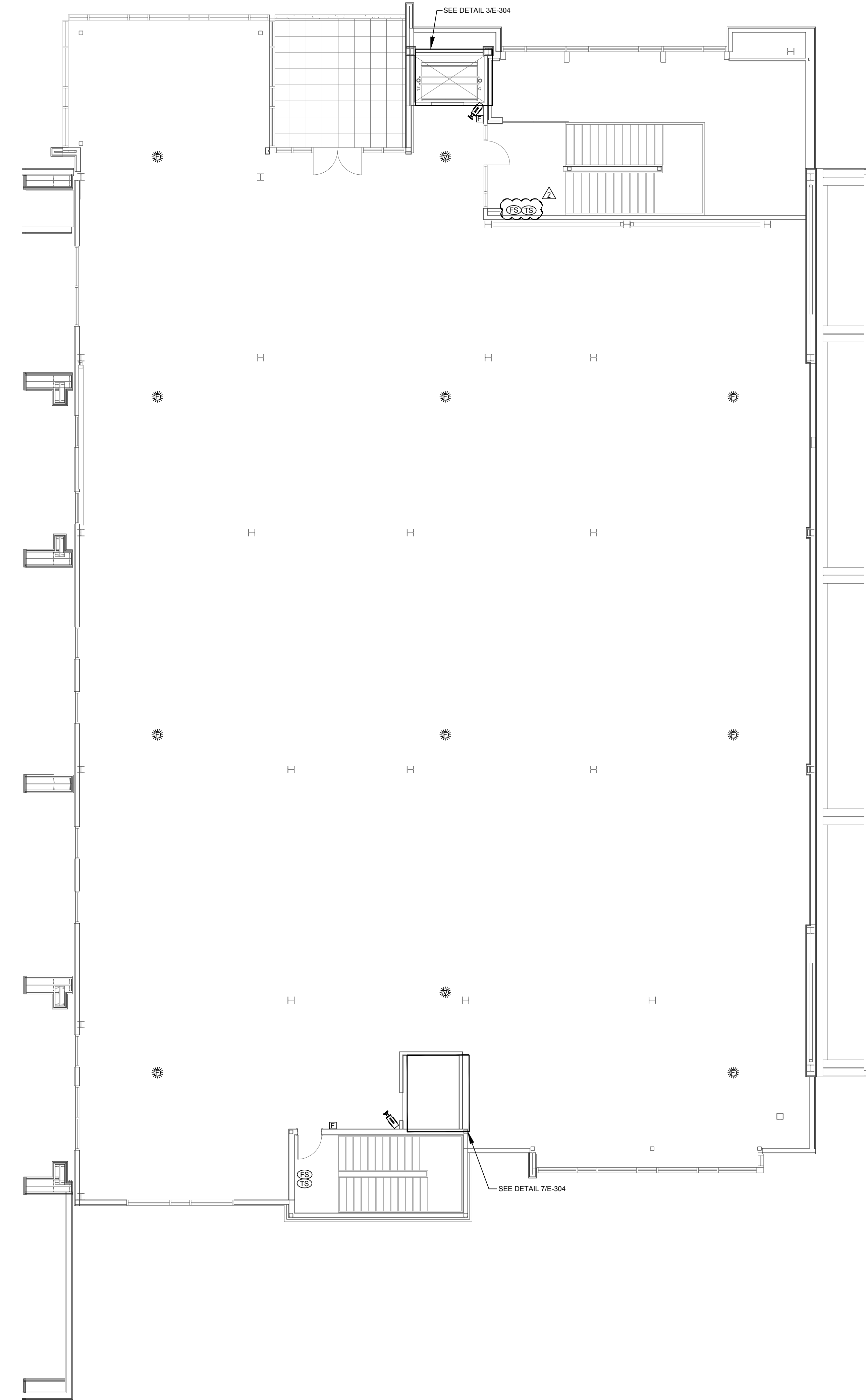
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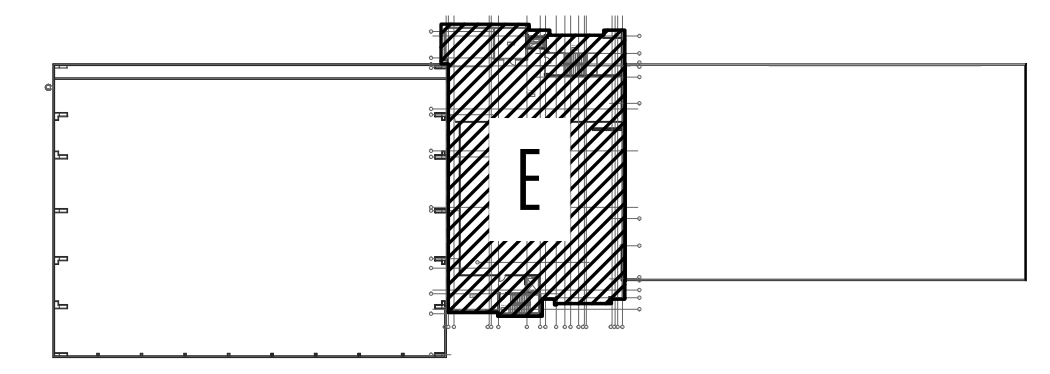
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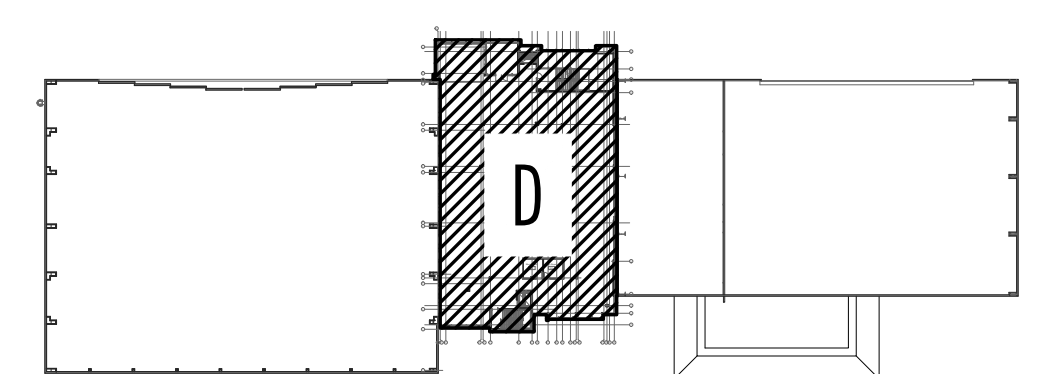
1 PARTIAL AUXILIARY PLAN - SECOND FLOOR - ALTERNATE #2 - PART D
 Scale: 1/8" = 1'-0"



2 PARTIAL AUXILIARY PLAN - THIRD FLOOR - PART E
 Scale: 1/8" = 1'-0"

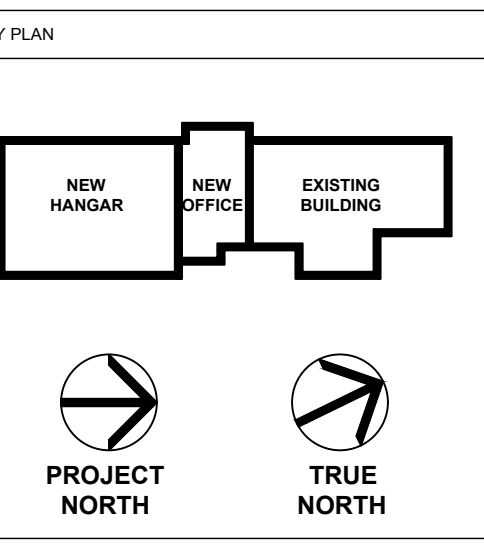


KEY PLAN - 3RD FLOOR



KEY PLAN - 2ND FLOOR

ADDENDUM #2 03-12-2020



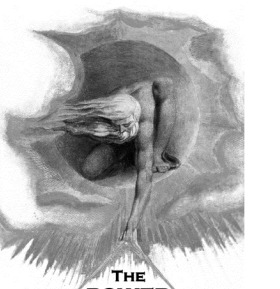
No.	Description	Date
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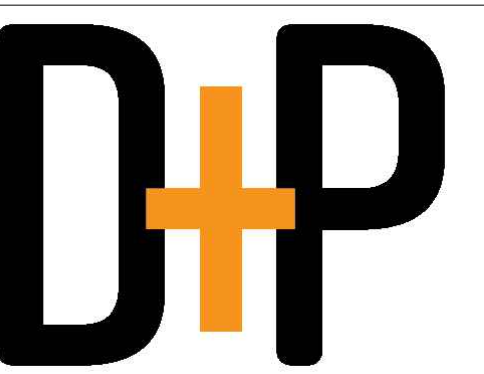
Sheet Title
**PARTIAL AUXILIARY
 PLAN 2ND & 3RD
 FLOOR - PART D & E**

Project No. 19-006 Date 2/14/20

E-305



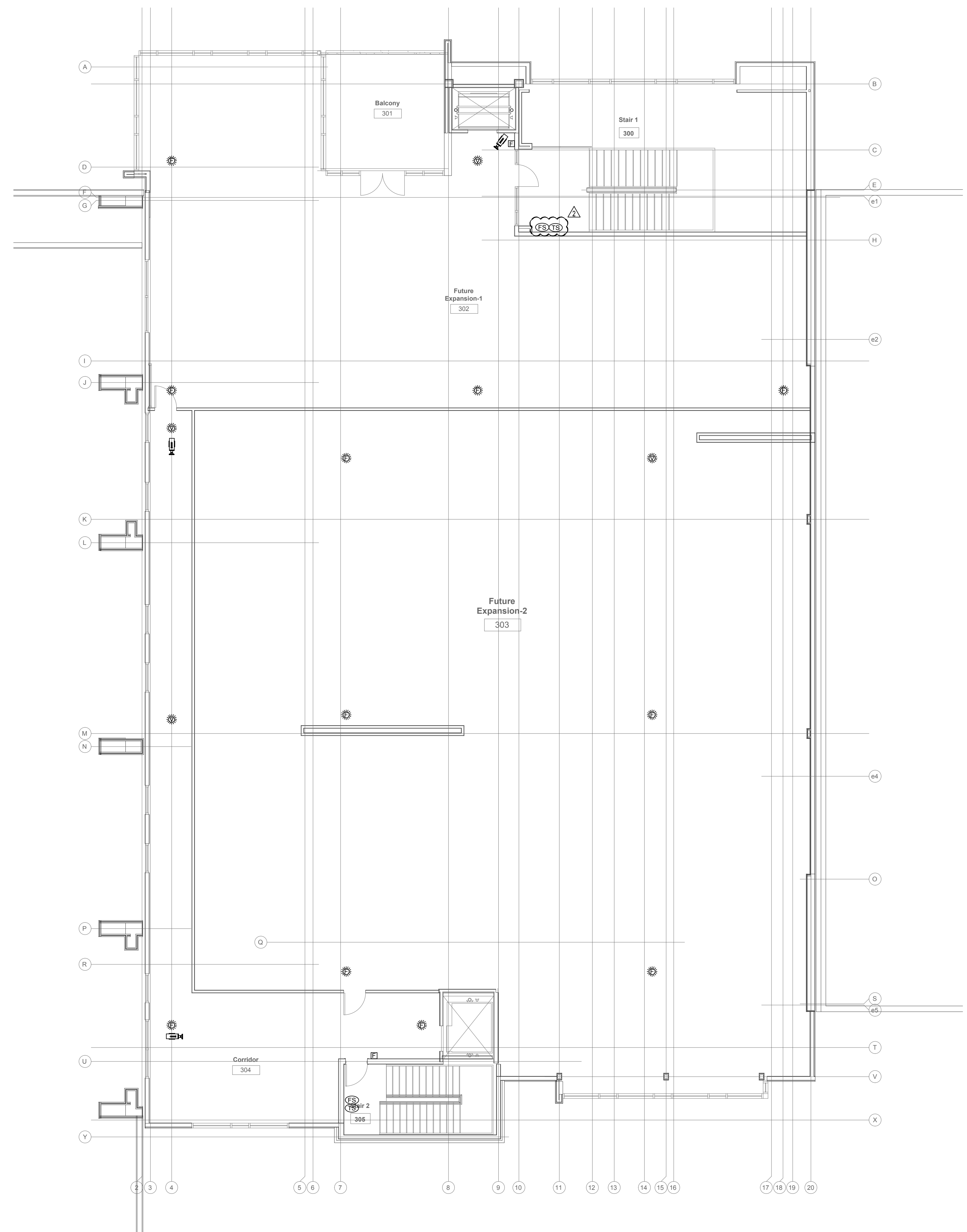
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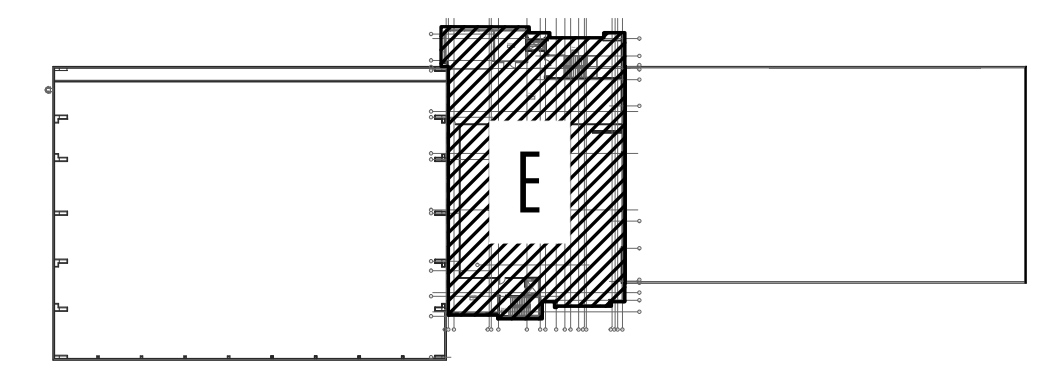
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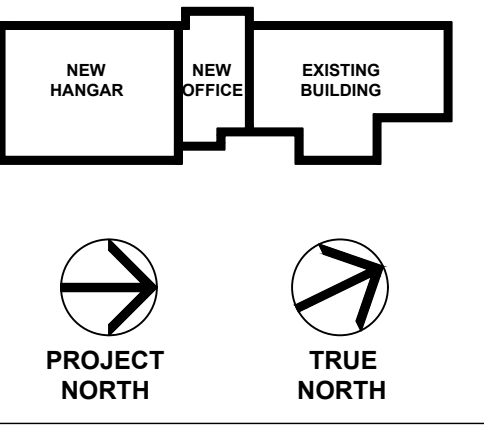
PARTIAL AUXILIARY PLAN - THIRD FLOOR - ALTERNATE #3 - PART E
Scale: 1/8" = 1'-0"



KEY PLAN - 3RD FLOOR

ADDENDUM #2 03-12-2020

KEY PLAN



Reel

No.	Description	Date
3	100% Construction Documents	2/14/20
2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

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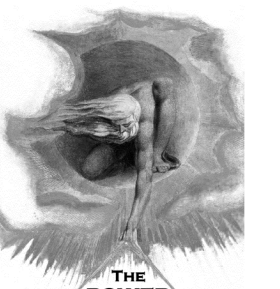
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Meridian, MS 39307

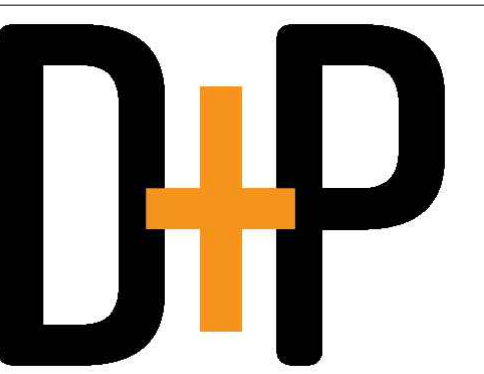
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Project No. 19-006 Date 2/14/20

E-306



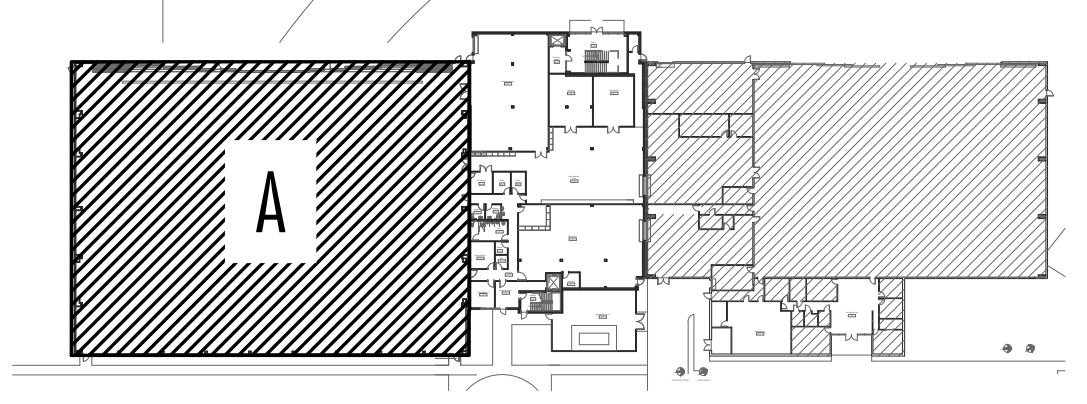
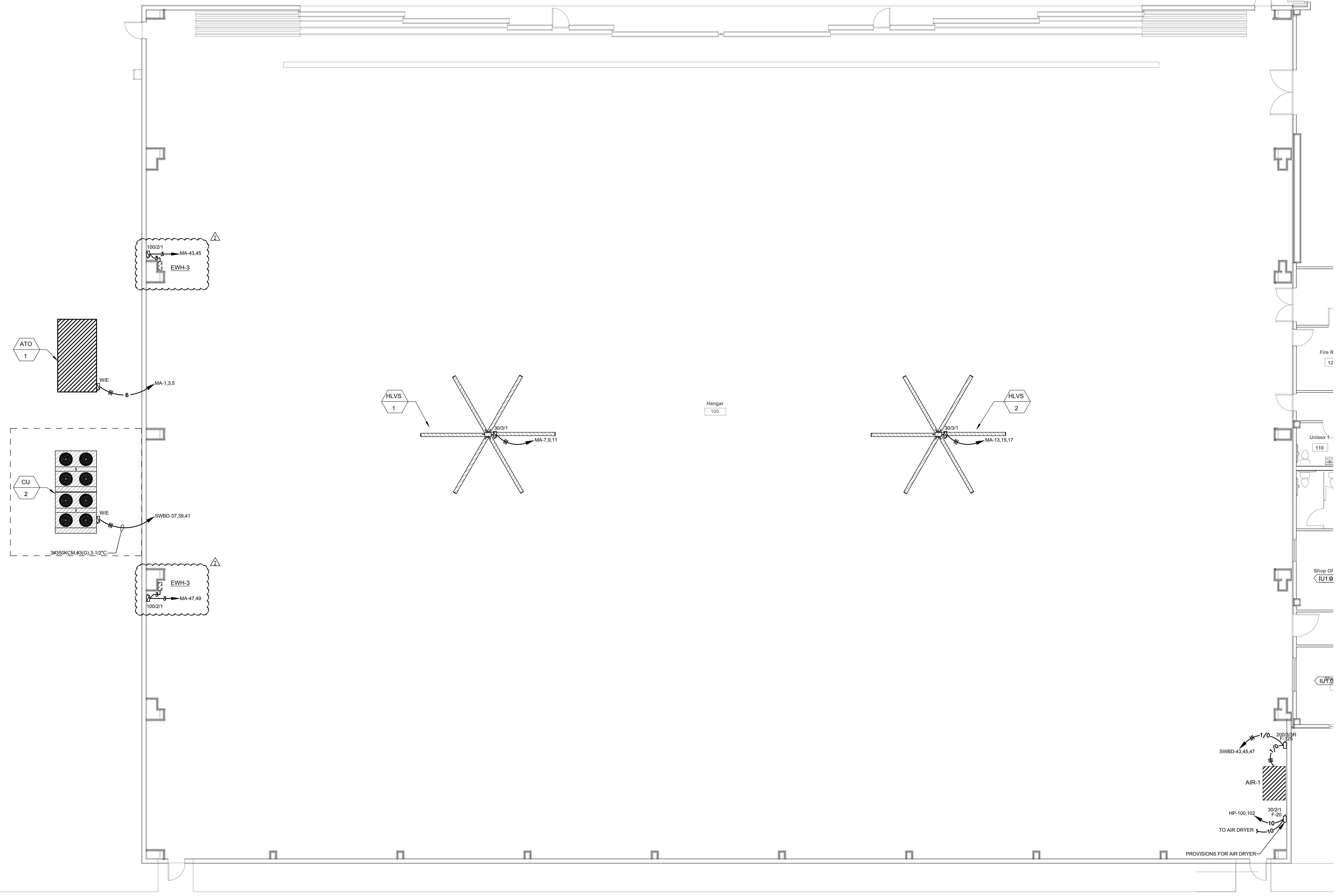
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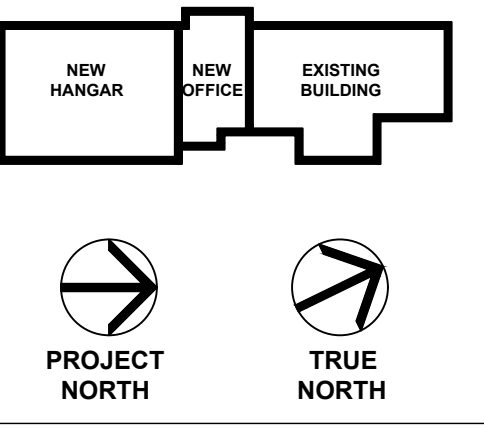


KEY PLAN - 1ST FLOOR

ADDENDUM #2 03-12-2020

1
PARTIAL MECHANICAL PLAN - FIRST FLOOR - PART A
E-401 Scale: 1/8" = 1'-0"

KEY PLAN



See:

No.	Description	Date
3	100% Construction Documents	2/14/20
2	100% Design Development	10/17/19
1	100% Schematic Design	8/7/19

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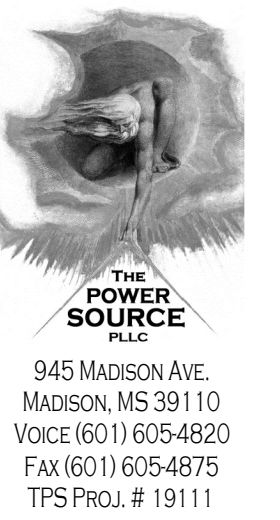
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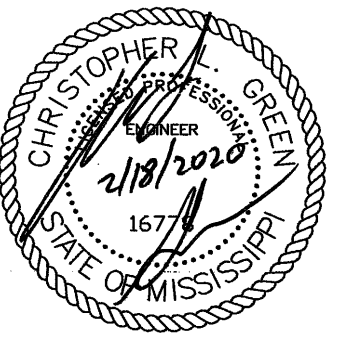
Sheet Title
PARTIAL MECHANICAL PLAN - 1ST FLOOR PART A

Project No. 19-006 Date 2/14/20

E-401



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Table for PANEL SWBD, ELECTRICAL ROOM, 208Y/120V, 3Ø, 4W, 2200A. Includes columns for CIRCUIT NO., BREAKER, AMPS, POLES, DESCRIPTION, PHASE LOAD (KVA), and SURFACE. Total amperage is 225.8.

Table for PANEL MD, ELECTRICAL ROOM, 208Y/120V, 3Ø, 4W, 400A. Includes columns for CIRCUIT NO., BREAKER, AMPS, POLES, DESCRIPTION, PHASE LOAD (KVA), and SURFACE. Total amperage is 46.4.

Table for PANEL HP - SEC. 1, ELECTRICAL ROOM, 208Y/120V, 3Ø, 4W, 225A. Includes columns for CIRCUIT NO., BREAKER, AMPS, POLES, DESCRIPTION, PHASE LOAD (KVA), and SURFACE. Total amperage is 8.2.

Table for PANEL PA - SEC. 1, ELECTRICAL ROOM, 208Y/120V, 3Ø, 4W, 225A. Includes columns for CIRCUIT NO., BREAKER, AMPS, POLES, DESCRIPTION, PHASE LOAD (KVA), and SURFACE. Total amperage is 12.3.

Table for PANEL HP - SEC. 2, ELECTRICAL ROOM, 208Y/120V, 3Ø, 4W, 225A. Includes columns for CIRCUIT NO., BREAKER, AMPS, POLES, DESCRIPTION, PHASE LOAD (KVA), and SURFACE. Total amperage is 12.0.

Table for PANEL PA - SEC. 2, ELECTRICAL ROOM, 208Y/120V, 3Ø, 4W, 225A. Includes columns for CIRCUIT NO., BREAKER, AMPS, POLES, DESCRIPTION, PHASE LOAD (KVA), and SURFACE. Total amperage is 0.0.

Table for PANEL MA, ELECTRICAL ROOM, 208Y/120V, 3Ø, 4W, 225A. Includes columns for CIRCUIT NO., BREAKER, AMPS, POLES, DESCRIPTION, PHASE LOAD (KVA), and SURFACE. Total amperage is 31.2.

Table for PANEL PB - SEC. 1, ELECTRICAL ROOM, 208Y/120V, 3Ø, 4W, 225A. Includes columns for CIRCUIT NO., BREAKER, AMPS, POLES, DESCRIPTION, PHASE LOAD (KVA), and SURFACE. Total amperage is 0.0.

Table for PANEL MB, ELECTRICAL ROOM, 208Y/120V, 3Ø, 4W, 400A. Includes columns for CIRCUIT NO., BREAKER, AMPS, POLES, DESCRIPTION, PHASE LOAD (KVA), and SURFACE. Total amperage is 35.8.

Table for PANEL PB - SEC. 2, ELECTRICAL ROOM, 208Y/120V, 3Ø, 4W, 225A. Includes columns for CIRCUIT NO., BREAKER, AMPS, POLES, DESCRIPTION, PHASE LOAD (KVA), and SURFACE. Total amperage is 0.0.

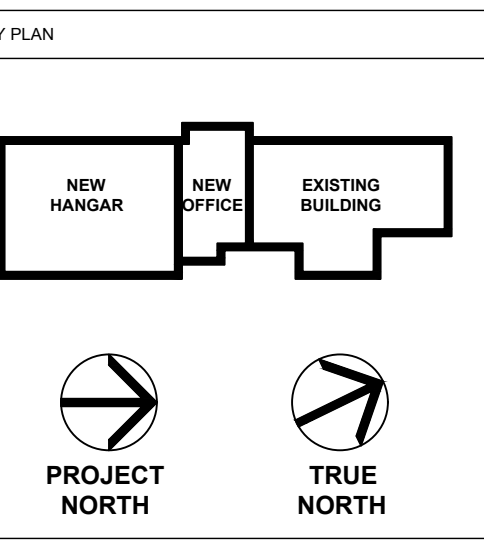


Table with columns No., Description, and Date. Row 3: 100% Construction Documents 2/14/20. Row 2: 100% Design Development 10/17/19. Row 1: 100% Schematic Design 8/7/19.

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