



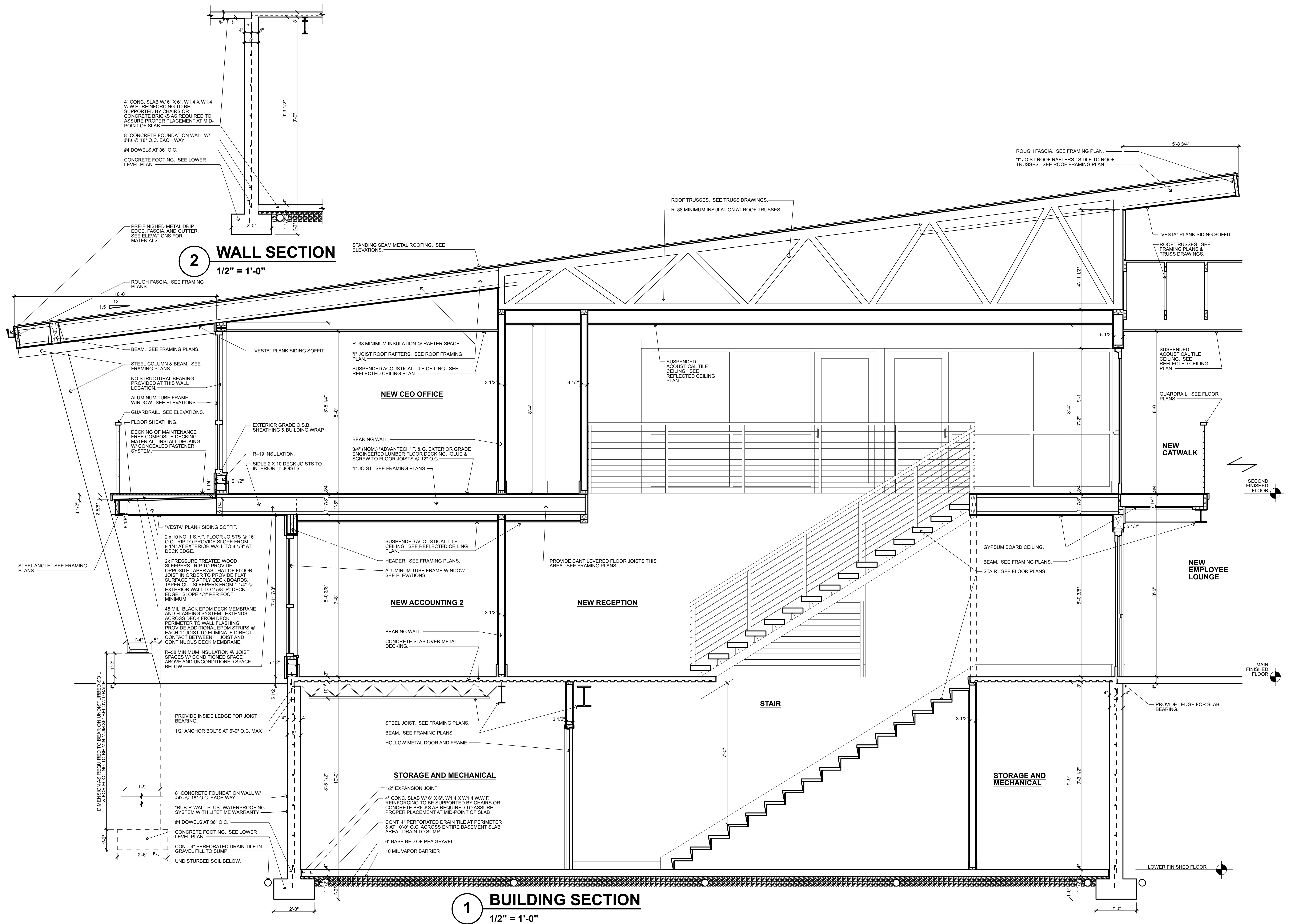
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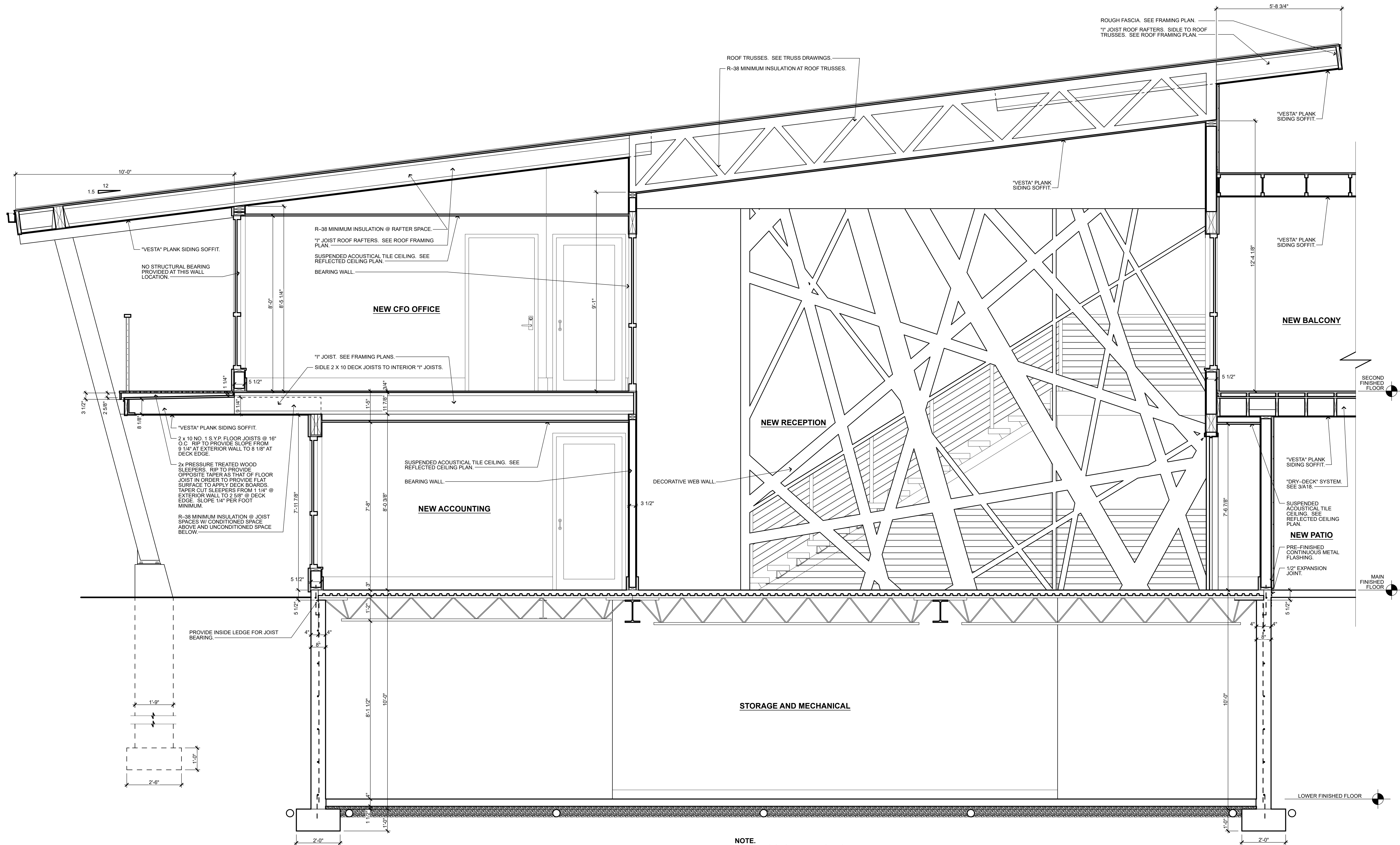
JEFFREY P. HELMAN
REGISTERED
No. AR00870123
STATE OF
INDIANA
ARCHITECT

RAPIDVIEW

Project No.:
1925

A16





NOTE:
ELEMENTS SHOWN BUT NOT NOTED
HERE ARE TYPICAL OR SIMILAR TO
THOSE NOTED ON "TYPICAL WALL
SECTION".

1 BUILDING SECTION
1/2" = 1'-0"



**HELMAN
SECHRIST**
ARCHITECTURE

129 NORTH 2ND ST.
ELKHART, IN 46516
(574) 294-6674
helmansechrist.com

Date:
27 MAY 2020

Revisions:

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ADDITIONS
AND
RENOVATIONS
FOR

RAPIDVIEW

1828
OLSON ROAD
ROCHESTER
INDIANA
46975

Project No.:
1925

A17



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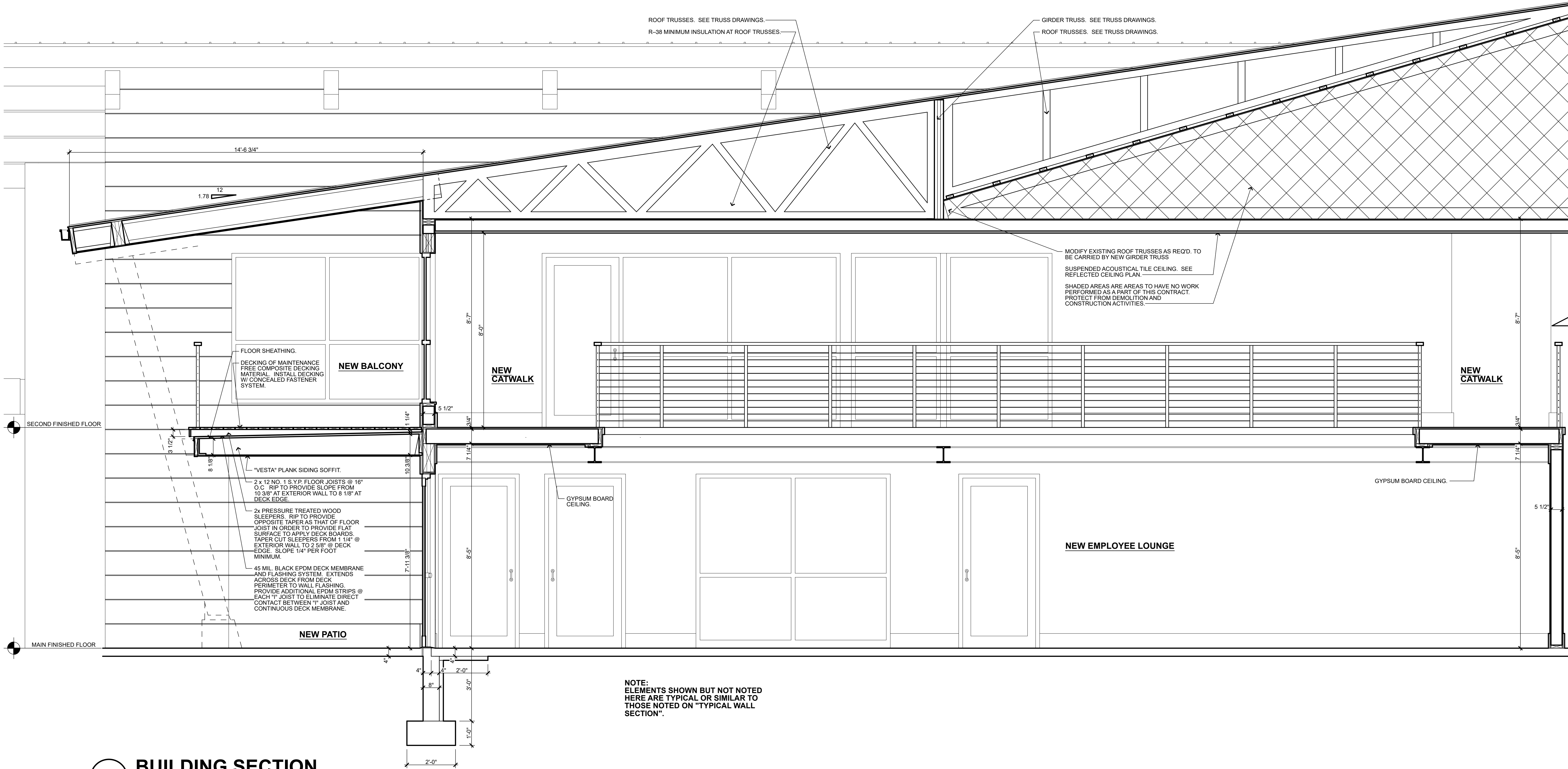


ADDITIONS
AND
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FOR

RAPIDVIEW

1828
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1 BUILDING SECTION
1/2" = 1'-0"



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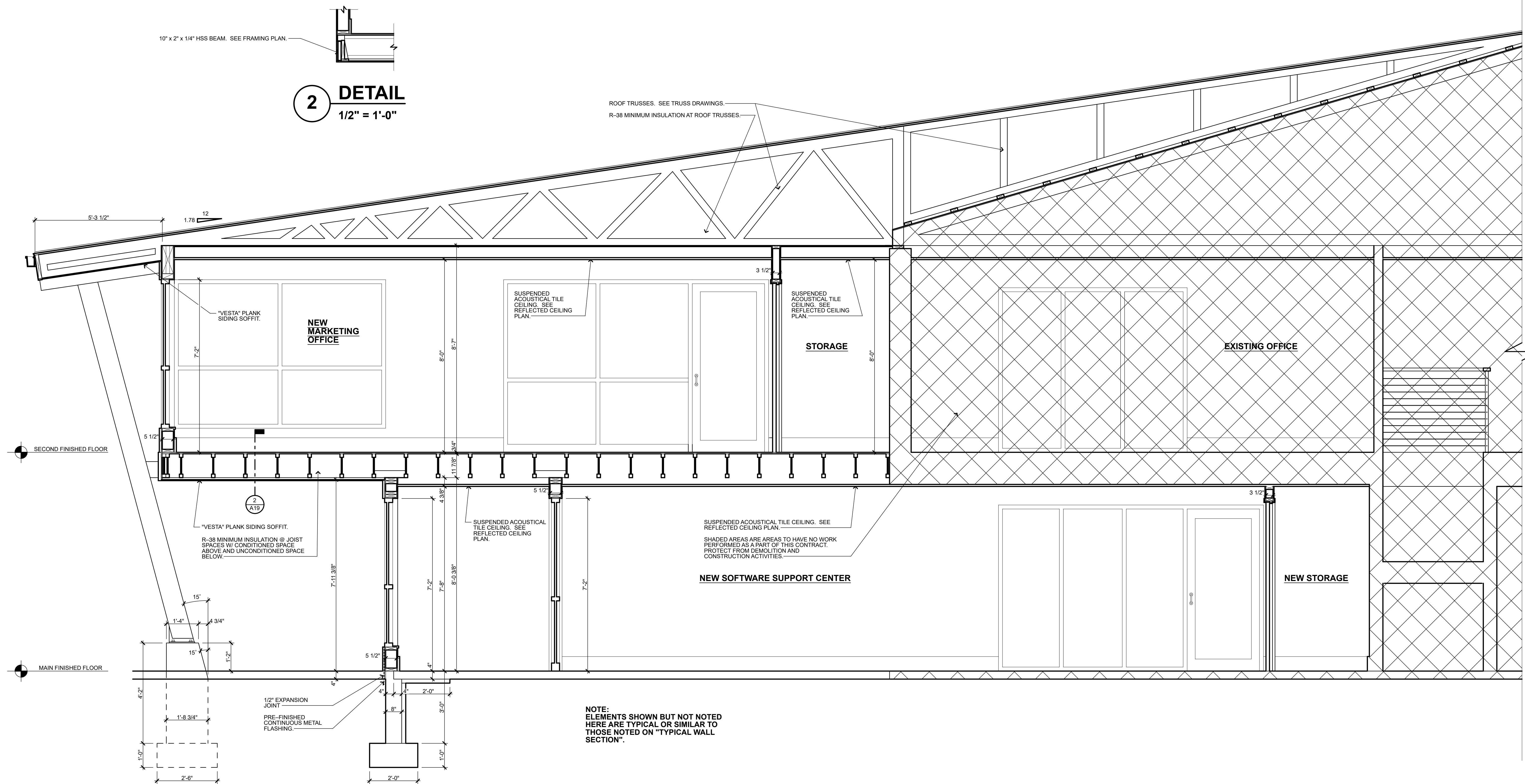
RAPIDVIEW

1828
OLSON ROAD
ROCHESTER
INDIANA
46975

Project No.:

1925

A19



1 BUILDING SECTION
1/2" = 1'-0"

1/2" = 1'-0"

RAPIDVIEW, LLC
 ADDITION & RENOVATION
 ROCHESTER, INDIANA
 MECHANICAL & PLUMBING SPECIFICATIONS

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CERTIFICATION:
FRANK A. FREEMAN
No. 880387
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REGISTERED PROFESSIONAL ENGINEER

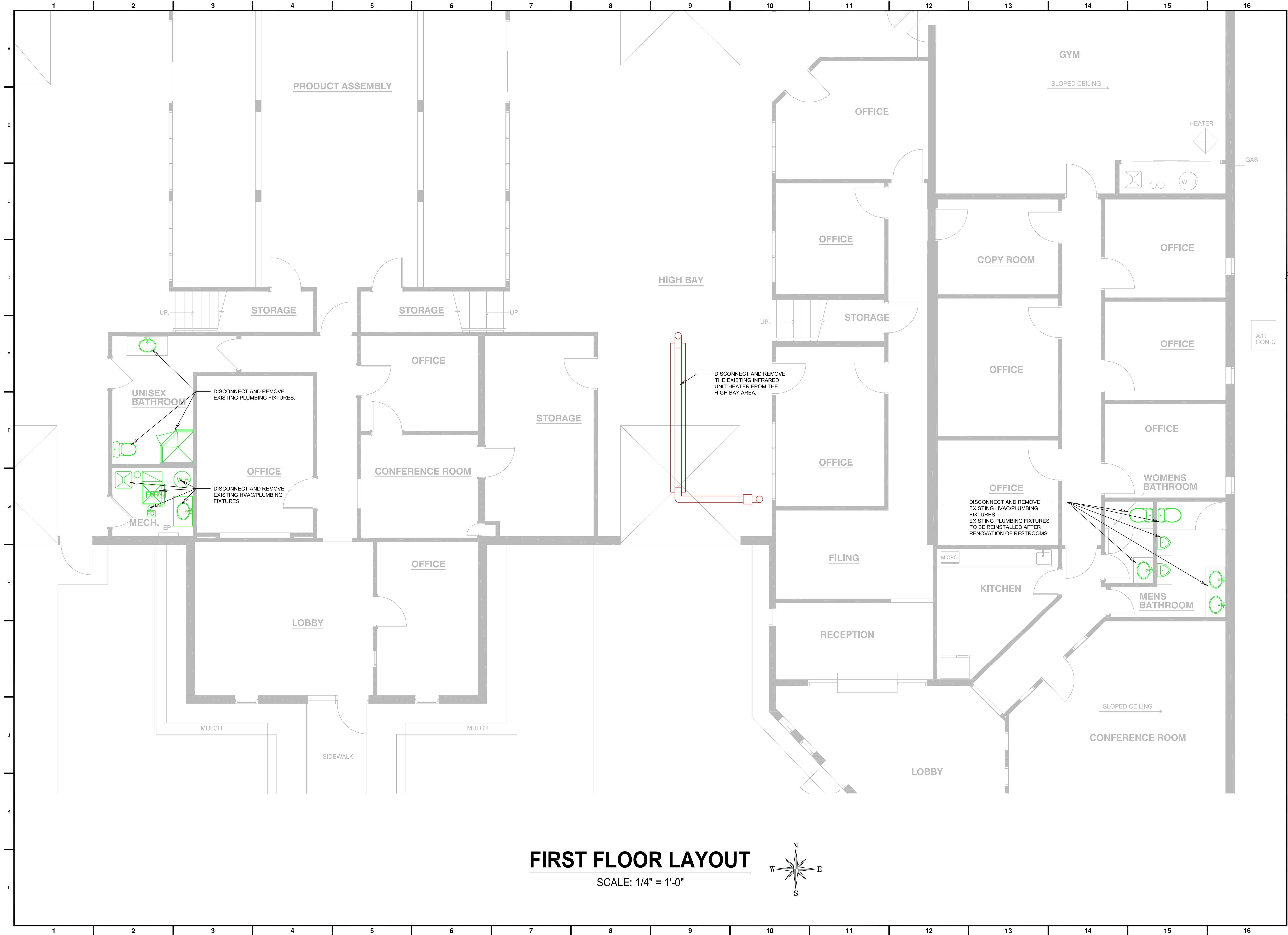
Frank A. Freeman

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RAPIDVIEW

1828 OLSEN ROAD
ROCHESTER, INDIANA 46975

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Frank A. Freeman

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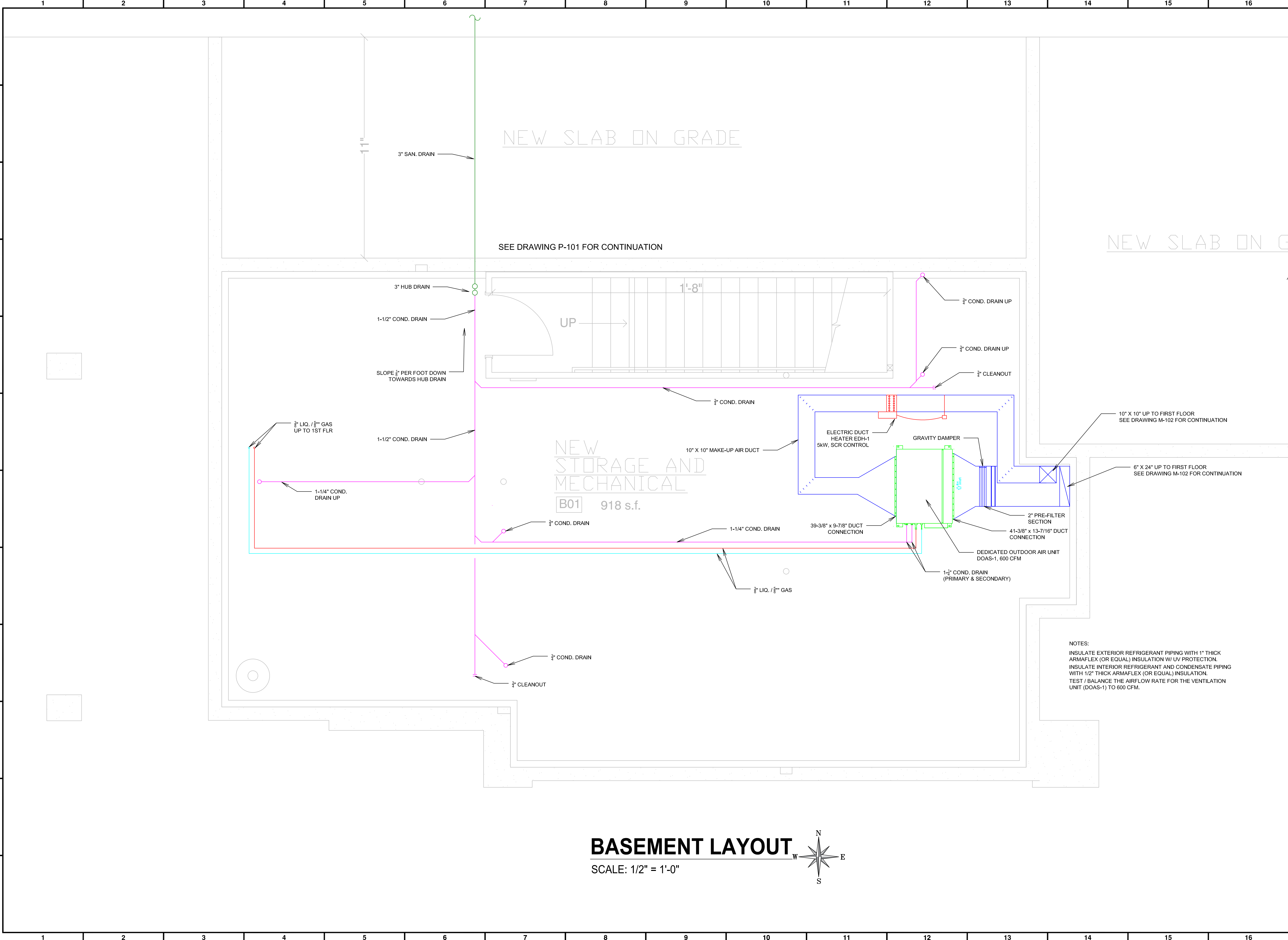
1828 OLSEN ROAD
ROCHESTER, INDIANA 46975

[illegible]

02.DWG		
0	FOR CONSTRUCTION	5/27/20
REV	DESCRIPTION	DATE

MECHANICAL\BOHLENDER\PHD	DWG TITLE	DESIGNED BY	DATE
	<p>PLUMBING & HVAC DEMOLITION DRAWING</p> <p>FIRST FLOOR</p>		

ISSUE DATE	5/21/20	SCALE	ON SHEET
ENGINEER	B. BOHLENDER II		
JOB NO	-	DRAWN BY	RKBII
DWG NUMBER			
PHD-102			



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REV.	DESCRIPTION	DATE

MECHANICAL
LAYOUT
DRAWING

BASEMENT

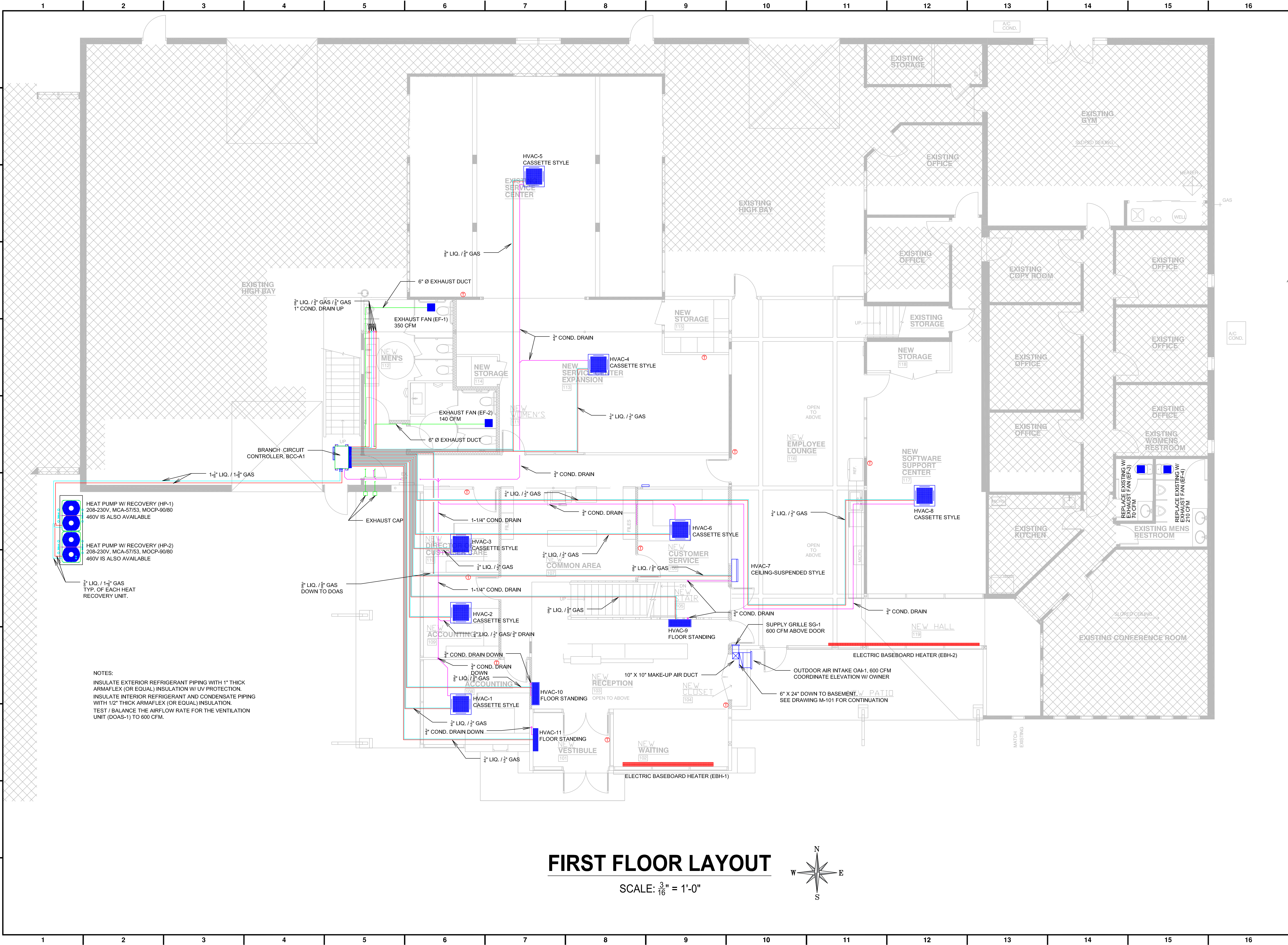
ISSUE DATE 5/27/20	SCALE ON SHEET
ENGINEER B. BOHLENDER II	DRAWN BY RKBII
JOB NO. -	DWG NUMBER M-101

K:\RAPIDVIEW ENGINEERING\MECHANICAL\BOHLENDER\M-101.DWG

BASEMENT LAYOUT DRAWING

SCALE: 1/2" = 1'-0"

N
W
E
S



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1828 OLSEN ROAD
ROCHESTER, INDIANA 46975

0	FOR CONSTRUCTION	5/27/20
REV	DESCRIPTION	DATE

**MECHANICAL
LAYOUT
DRAWING**

FIRST FLOOR

ISSUE DATE 5/27/20	SCALE ON SHEET
ENGINEER B. BOHLENDER II	DRAWN BY RKBI
JOB NO -	DWG NUMBER M-102

K: RAPIDVIEW ENGINEERING\MECHANICAL\BOHLENDER II-M-102.DWG

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF OUTDOOR UNIT SCHEDULE				
E	System Tag		System 1	
	Tag Reference		HP-1 & HP-2	
F	Nominal Data	M-NET Address	51, 52	
		Model Number	TURVEY336BN40AN	
		Modules	P168, P168	
		Nominal Cooling Capacity (BTU/h)	336000	
		Nominal Heating Capacity (BTU/h)	378000	
		Cooling Efficiency IEEVEER (SEER)	23.7 / 10.4	
		Heating COP @ 47°F (HSPF)	3.25	
		Nom System Connected Capacity (% of NOM)		0.967
	Design Conditions	Design Cooling Outdoor Temp DB (°F)		92
		Design Heating Outdoor Temp WB (°F)		-4.6
Max Pipe Length from BC or 1st Joint (feet)		140.7		
Refrig Pipe Dim High/Low Pressure (inch) (See Note 4)		1 1/8" / 5/8"		
G	Performance Data	Corrected Cooling Total Capacity (BTU/h)	306227.4	
		Corrected Heating Capacity (BTU/h)	207183.3	
		Sound Pressure (dBA)	65.5/69.5	
	Compress ion Data	Compressor Type	SCROLL	
		Compressor Quantity	2	
		Preliminary Added Field Charge (See Note 5)	76.6	
H	Electrical Data	Voltage / Phase	208/230V / 3-phase 3-wire	
		MCA 208/230 or /460V/	57/53, 57/53	
		Recommended Fuse Size (RFS)	70/70, 70/70	
		MCCP	90/80, 90/80	

VENTILATION UNITS		
Ventilation Unit Tag		PEFY-P48NMHJ-E-QA
M-NET Address		12
Serving IUs		No
Zone Supply		Yes
Fan Speed Setting		VERY LOW/(Heat), HIGH/(Cool)
Supply Airflow (CFM)		420/(Heat)/500/(Cool)
Zone Airflow (CFM)		420
Indoor Unit Airflow (CFM)		0
Leaving Air Conditions	Dry Bulb Cooling (FDB)	54.5
	Wet Bulb Cooling (FWB)	53.2
	Dry Bulb Heating (FDB)	82.4
Served By Unit Tag		
M-NET Address		
Model		
Type		
Airflow (CFM)		
Mixed Air Conditions	Dry Bulb Cooling (FDB)	
	Wet Bulb Cooling (FWB)	
	Dry Bulb Heating (FDB)	

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER			
System Tag		System 1	System 1
Tag Reference		BCC-A1	BCC-A2
Nominal Data	M-NET Address	53	63
	Model Number	TCMBM1016JA11N4	TCMB50108KB11N4
	Type (double / Main / Sub)	Main	Sub
	Number of Ports	16	8
	Connected Capacity to BC	317947.6	89000
Electrical Data	Voltage / Phase	208/230V / 1-phase	208/230V / 1-phase
	Power Cooling 208V/230V (kW)	0.258/0.333	0.122/0.157
	Power Heating 208V/230V (kW)	0.137/0.176	0.061/0.078
	MCA 208/230		
Notes / Options	Applicable System Notes - See Notes Below	1, 2	1, 2

ELECTRIC DUCT HEATER SCHEDULE														
DESCRIPTION	TAG	AIR FLOW RATE (CFM)	DUCT/WORK SIZE	LOCATION / SERVING	MFR	MODEL	KW	CONTROL	TYPE	CONFIGURATION	POWER	AMPS (NEC FLA)	WEIGHT	OPTIONS
ELECTRIC DUCT HEATER	EDH-1	600	10" X 10"	BASEMENT / VENTILATION UNIT	INDEECO OR EQUAL	QUA	5	SCR	SLIP-IN	HORIZONTAL AIRFLOW	460/3/60		-	1-7
OPTIONS:														
1. DISCONNECT SWITCH														
2. THERMAL CUTOUPS														
3. AIRFLOW SWITCH														
4. DUCT-MOUNTED THERMOSTAT														
5. CONTROL TRANSFORMER, IF NEEDED.														
6. PROPORTIONAL ELECTRONIC (SCR) CONTROL W/ SET POINT ADJUSTMENT														
7. CONTROL PANEL COMPLETE W/														
- "HEATER ON" INDICATOR LIGHT														
- "LOW AIRFLOW" INDICATOR LIGHT														
- "STAGE ON" INDICATOR LIGHT														

ELECTRIC BASEBOARD HEATER SCHEDULE													
DESCRIPTION	TAG	QTY	LOCATION / SERVING	MFR	MODEL	LENGTH	WATTS PER FOOT	CONTROL	COLOR	POWER	AMPS (NEC FLA)	WEIGHT	OPTIONS
ELECTRIC BASEBOARD HEATER	EBH-1	1	WAITING AREA	MARKEL OR EQUAL	RDBT-PD-10	10'-0"	300	THERMOSTAT	BRONZE	460/3/60		-	1 & 2
ELECTRIC BASEBOARD HEATER	EBH-2	2	LOUNGE AREA	MARKEL OR EQUAL	RDBT-PD-10	10'-0"	250	THERMOSTAT	BRONZE	460/3/60		-	1 & 2
ELECTRIC BASEBOARD HEATER	EBH-3	1	SECOND FLOOR	MARKEL OR EQUAL	RDBT-PD-10	10'-0"	300	THERMOSTAT	BRONZE	460/3/60		-	1 & 2

OPTIONS:

1. DISCONNECT SWITCH
2. END CAPS

EXHAUST FAN SCHEDULE												
DESCRIPTION	TAG	AIR FLOW RATE (CFM)	EXTERNAL STATIC PRESSURE (IN.W.C.)	AREA SERVED	MFR	MODEL	HP	ENCLOSURE	POWER	AMPS (NEC FLA)	WEIGHT	OPTIONS
CEILING EXHAUST FAN	EF-1	350	0.15	NEW MENS RESTROOM 112	GREENHECK	SP-A390	FRACTIONAL	ODP	115/60/1	1.34	-	1-5
EXHAUST FAN	EF-2	140	0.15	NEW WOMENS RESTROOM 111	GREENHECK	SP-B150	FRACTIONAL	ODP	115/60/1	1.7	-	1-5
EXHAUST FAN	EF-3	70	0.13	EXISTING WOMENS RESTROOM	GREENHECK	SP-B70	FRACTIONAL	ODP	115/60/1	0.53	-	1-5
EXHAUST FAN	EF-3	210	0.125	EXISTING MENS RESTROOM	GREENHECK	SP-A190	FRACTIONAL	ODP	115/60/1	0.45	-	1-5

OPTIONS:

1. THERMAL OVERLOAD
2. MOTOR RATED FOR CONTINUOUS USE
3. ROUND HOODED WALL CAP
4. DESIGNER GRILLE
5. ROUND DUCT CONNECTION

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FRANK A. FREEMAN
REGISTERED
No. 880387
STATE OF INDIANA
PROFESSIONAL ENGINEER

Frank A. Freeman

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RAPIDVIEW

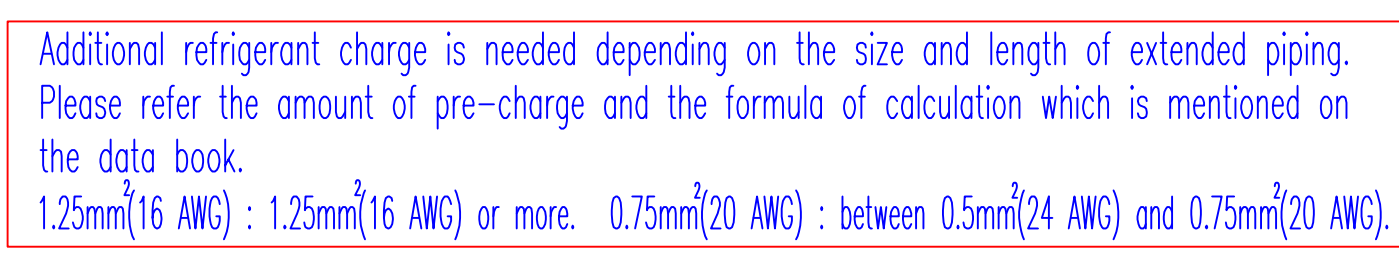
1828 OLSEN ROAD
ROCHESTER, INDIANA 46975

[illegible]

MECHANICAL EQUIPMENT SCHEDULES

ISSUE DATE 5/21/20	SCALE ON SHEET
ENGINEER B. BOHLENDER II	
JOB NO -	DRAWN BY RKBII
DWG NUMBER	

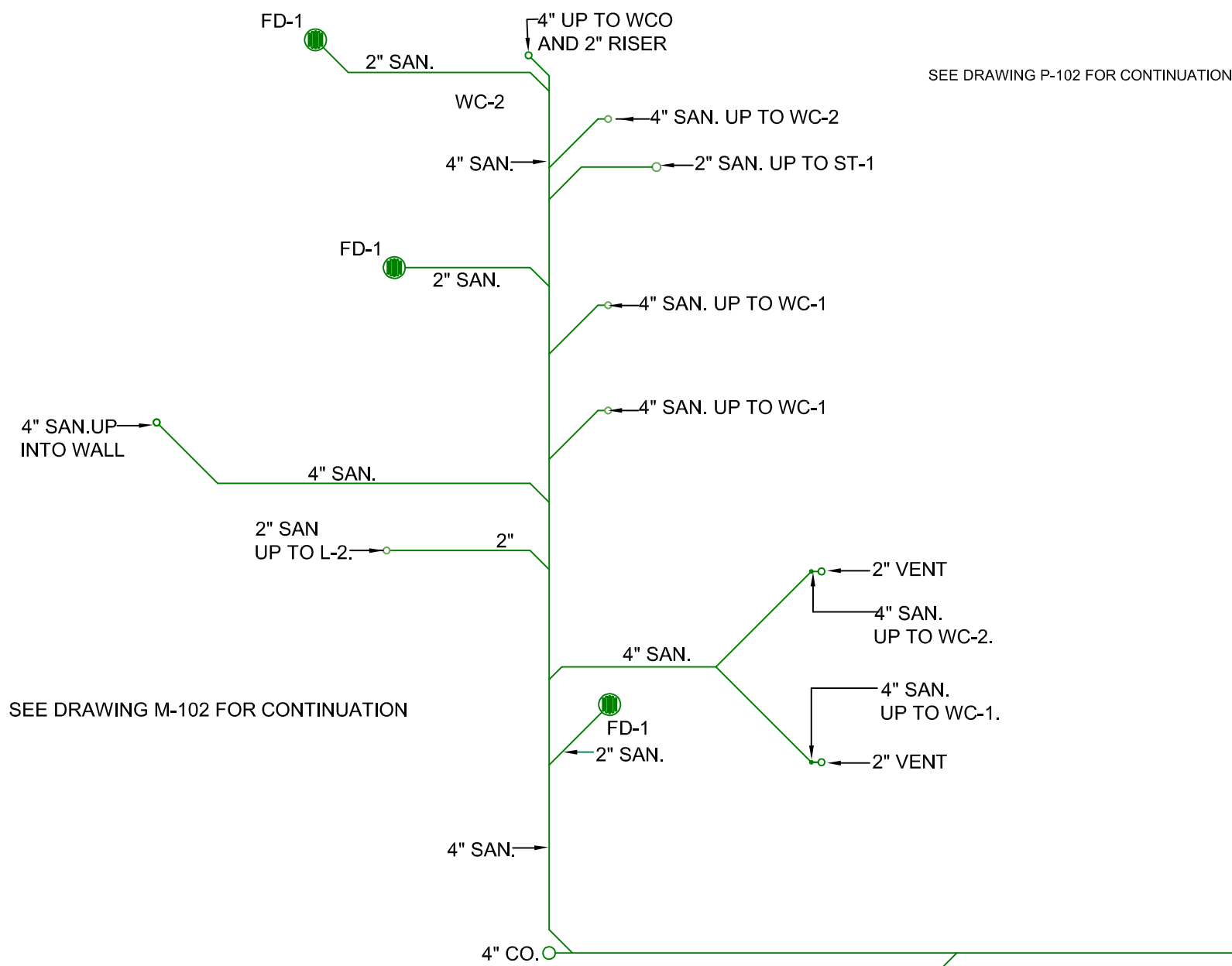
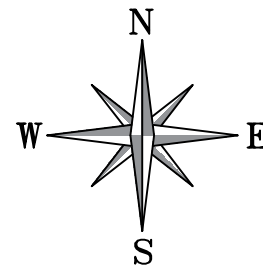
M-104



4.2.0.50
Mitsubishi Electric
Diamond System Builder
4/16/2020
9:50 AM

BASEMENT / UNDERGROUND LAYOUT

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



9326 Yeager Dr.
Fl. Wayne, IN 46099
(260) 485-3453

111 East Mildred St.
P.O. Box 47
Logansport, IN 46847
(574) 755-3182

349 Haney Rd N.W.
P.O. Box 578
Charleston, TN 37019

Dilling
GROUP, INC.

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CERTIFICATION
REGISTERED
No. 880387
STATE OF INDIANA
PROFESSIONAL ENGINEER

Frank A. Freeman, P.E.

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RAPIDVIEW

1828 OLSEN ROAD
ROCHESTER, INDIANA 46975

REV.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	5/27/20

PLUMBING
LAYOUT
DRAWING

BASEMENT

ISSUE DATE: 5/21/20
ENGINEER: B. BOHLENDER, II
JOB NO: -
DWG NUMBER: P-101

SCALE: ON SHEET
DRAWN BY: RKBII



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THIS DRAWING PREPARED FOR
RAPIDVIEW
BUILDING ADDITION
BASEMENT ELECTRICAL PLAN

JOB NUMBER	ARCHITECT	ENGINEER	AUTHORITY HAVING JURISDICTION	DATE	SCALE	DRAWN BY	REVIEWED BY	APPROVED BY
				5/29/20	3/16" = 1'-0"	MDG	SZ	DMS

DRAWING NUMBER
1

SHEET NO.

E1.0

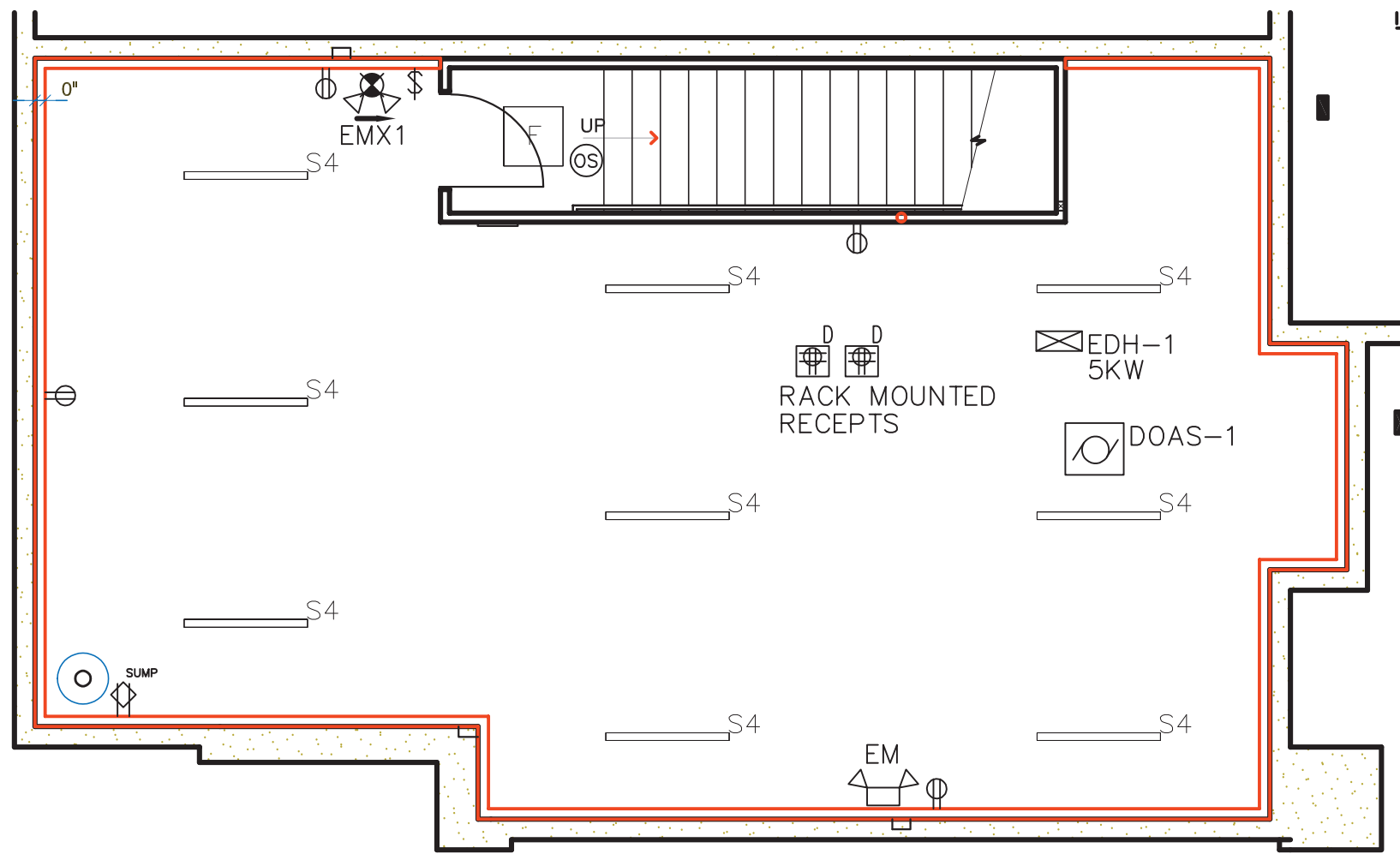
Luminaire Schedule						
NOTES: 1. ALL LIGHT FIXTURES ARE 120V. 2. ALL LIGHT FIXTURES COLOR TEMPERATURE IS TO BE 4000K U.O.N.						
Index	Manufacturer	Luminaire type	Item number	Luminous flux	Connected load	Designation
4' Strip	COLUMBIA LIGHTING	Narrow LED, Surface Narrow Strip Light 4ft with frosted linear prisms lens Data Scaled from Test# 17.02544	MPS4-40HL-FW-EDU	5813 lm	49.4 W	S4
2' Strip	COLUMBIA LIGHTING	Narrow LED, Surface Narrow Strip Light 2ft with frosted linear prisms lens	MPS2-30ML-FW-EDU	3354 lm	22 W	S2
2X2 VOL	COLUMBIA LIGHTING	LCA1 Led Architectural Troffer, Recessed Architectural 2 x 2 led with frosted linear prisms lens Data Scaled from Test# 16.02035	LCAT22-35HLG-EU	3704 lm	28 W	B
D1	Intense Lighting	6"SS LED Downlight Gen 4	SS6G4DRL3358 /IC630HZ	1706 lm	17.2 W	D1
6" CYL	Intense Lighting	6"SS LED Cylinder Gen 4	SS6G4CL3358 /IC630HZ	1706 lm	17.2 W	6" CYL
2X4 VOL	COLUMBIA LIGHTING	LCAT Led Architectural Troffer, Recessed Architectural 2 x 4 led with frosted linear prisms lens Data Scaled from Test# 16.02421	LCAT24-35HLG-EU	5602 lm	44 W	A
2x4 FP	LITHONIA LIGHTING	Led Edge-Lit, Recessed 2' x 4' Flat panel	CFP24-5540	5606 lm	44 W	2x4 FP 5k
7" Tube	OCL LIGHTING	Circular grey aluminum top driver holder with white aluminum LED housing, and a frosted lens with a circular grey aluminum ring cap		4722 lm	57 W	OCL2
4' Vanity	COLUMBIA LIGHTING	CWM Contemporary Wall Mount, Surface 4ft Wall Mount with Frosted Lens Data Scaled from Test# 16.02170	CWM4-40ML-FR-EDU	4831 lm	38 W	V4
2' Vanity	COLUMBIA LIGHTING	CWM Contemporary Wall Mount, Surface 2ft Wall Mount with Frosted Lens Data Scaled from Test# 16.02064	CWM2-40ML-FR-EDU	3310 lm	30 W	V2
Uplights	HUBBELL OUTDOOR	LED Bullet 4K, Medium Lens	BUL-1L4K-U (Medium)	1980 lm	17 W	Uplights
36" Pendant	OCL LIGHTING	36" dual direction pendant		13360 lm	160 W	OCL

ELECTRICAL DEMOLITION PLAN NOTES:

- ALL ELECTRICAL WORK TO BE INSTALLED PER N.E.C. 2008, ANY APPLICABLE AMENDMENTS, AND ANY REQUIREMENTS PER LOCAL AUTHORITY HAVING JURISDICTION.
- E.C. SHALL VERIFY EACH CIRCUIT PRIOR TO DE-ENERGIZING THE CIRCUIT TO ENSURE CIRCUITS OUTSIDE THE WORK AREA ARE NOT EFFECTED. ALL CIRCUIT INTERRUPTIONS ARE TO BE A SCHEDULED OUTAGE WITH THE OWNER.
- ALL EXISTING BRANCH CIRCUITS NO LONGER IN-USE ARE TO BE REMOVED COMPLETE BACK TO THE SOURCE ELECTRICAL PANEL.
- COORDINATE ALL MECHANICAL EQUIPMENT DISCONNECTIONS WITH THE MECHANICAL CONTRACTOR PRIOR TO DISCONNECTION.
- ALL OTHER SPECIAL SYSTEM CABLING AND DEVICES ARE TO BE REMOVED BY THE OWNER'S REPRESENTATIVES (TELEPHONE, DATA, SOUND, BUILDING AUTOMATION, EQUIPMENT CABLING). COORDINATE SCHEDULING FOR DE-ENERGIZING THESE SYSTEMS WITH THE OWNER PRIOR TO BEGINNING WORK.
- ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED WILL BE DE-ENERGIZED AND MADE SAFE FOR WALL DEMOLITION.

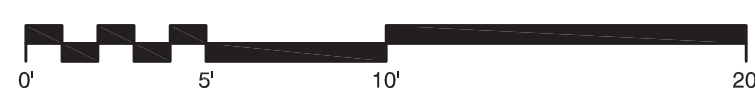
ELECTRICAL SPECIFICATION NOTES:

- ALL ELECTRICAL WORK TO BE INSTALLED PER N.E.C. 2008, AND ANY REQUIREMENTS PER LOCAL AUTHORITY HAVING JURISDICTION.
- NO MORE THAN 8 DUPLEX RECEPTACLES SHALL BE FED FROM A 20AMP, 120V CIRCUIT (U.O.N.).
- COORDINATE ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS WITH THE MECHANICAL CONTRACTOR PRIOR TO BEGINNING WORK.
- ALL CONDUCTORS ARE TO BE THHN COPPER, AND A MINIMUM #12 AWG.
- ALL RACEWAYS SHALL CONTAIN A GROUNDING CONDUCTOR.
- CIRCUITS SUPPLYING LINE TO NEUTRAL LOADS SHALL HAVE DEDICATED NEUTRALS, ONE NEUTRAL PER PHASE.
- ALL CABLES AND CONDUITS ARE TO BE INSTALLED PARALLEL OR PERPENDICULAR TO THE BUILDING STRUCTURE.
- COORDINATE THE MOUNTING HEIGHTS OF ALL DEVICES WITH THE ARCHITECTURAL ELEVATIONS, AND COMPLY WITH A.D.A. REQUIREMENTS.



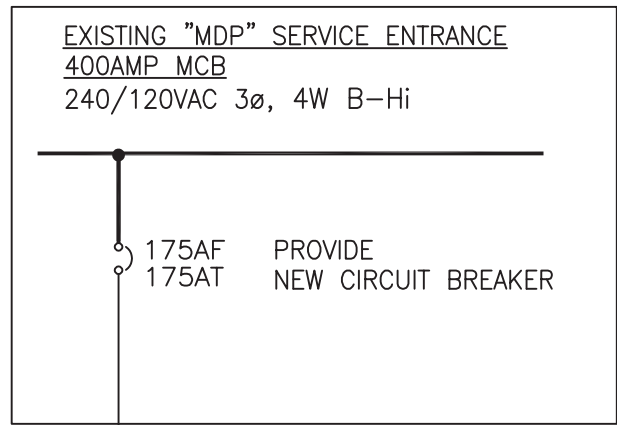
LOWER LEVEL ELECTRICAL

3/16" = 1'-0"



ELECTRICAL PLAN NOTES:

- ALL ELECTRICAL WORK TO BE INSTALLED PER N.E.C. 2008, ANY APPLICABLE AMENDMENTS, AND ANY REQUIREMENTS PER LOCAL AUTHORITY HAVING JURISDICTION.
- NO MORE THAN 8 DUPLEX RECEPTACLES SHALL BE FED FROM A 20AMP, 120V CIRCUIT (U.O.N.).
- COORDINATE ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS WITH THE MECHANICAL CONTRACTOR PRIOR TO BEGINNING WORK.
- GFCI RECEPTACLES SHALL BE WIRED TO PROTECT ONLY THE DEVICES IN THAT OUTLET BOX.
- VERIFY INTERIOR ELEVATION DRAWING PRIOR TO ELECTRICAL ROUGH-IN FOR THIS AREA.



NEW SUB-PANEL FED FROM EXISTING MDP SERVICE ENTRANCE PANEL. LOCATE IN EXISTING WAREHOUSE NEAR HEAT PUMPS HP-1, HP-2. SEE DRAWINGS E1.1.

POWER DISTRIBUTION ONE-LINE DIAGRAM

NO SCALE

ELECTRICAL DEVICE LEGEND

NL	NIGHT LIGHT
\$	SINGLE POLE SWITCH
\$3	THREE WAY SWITCH
\$OS	WALL SWITCH OCCUPANCY SENSOR
⊗	CEILING MOUNT OCCUPANCY SENSOR
⊕	DUPLEX RECEPTACLE
⊕	GFI DUPLEX RECEPTACLE
⊕WP	WEATHERPROOF RECEPTACLE
⊕WP	WEATHERPROOF GFI DUPLEX RECEPTACLE
⊕G	ISOLATED GROUND DUPLEX RECEPTACLE
⊕TP	TAMPER-PROOF DUPLEX RECEPTACLE
⊕	DOUBLE DUPLEX RECEPTACLE
⊕	CEILING RECEPTACLE
⊕	GFI DOUBLE DUPLEX RECEPTACLE
⊕	SPECIAL RECEPTACLE/CONNECTION, VERIFY REQUIREMENTS
⊕	JUNCTION BOX
⊕	NO FUSE DISCONNECT SWITCH NEMA 1
⊕WP	NO FUSE DISCONNECT SWITCH NEMA 3R
⊕	FUSED DISCONNECT
⊕	COMBINATION STARTER DISCONNECT
⊕	STARTER
⊕	MOTOR CONNECTION
\$W	SMALL MOTOR DISCONNECT
⊕	WALL BOX & CONDUIT STUB-UP TO ACCESSIBLE SPACE VERIFY REQUIREMENTS. EQUIPMENT & CABLE BY OTHERS.
▽	TELEPHONE/DATA 3/4" CONDUIT TO ACCESSIBLE SPACE
⊕	EMT CONDUIT SLEEVE THRU-WALL FOR DATA CABLES PLASTIC BUSHING ON EACH END. WALL SEAL AND FIRE CAULK AS REQUIRED.
⊕	ELECTRICAL FLOOR POKE-THRU FOR POWER ONLY
⊕1	ELECTRICAL FLOOR POKE-THRU FOR POWER AND COMMUNICATIONS. PT1 = FURNITURE CONNECTIONS, PT2 = RECESSED DEVICES, SLIDE CABLE ACCESS COVER.
⊕2	ELECTRICAL FLOOR POKE-THRU FOR POWER AND COMMUNICATIONS.

ADA MOUNTING HEIGHTS

SINGLE RECEPTACLE	18"
DUPLEX RECEPTACLE	18"
GFI DUPLEX RECEPTACLE	18"
WEATHERPROOF RECEPTACLE	18"
WEATHERPROOF GFI DUPLEX RECEPTACLE	18"
DUPLEX COMPUTER RECEPTACLE	18"
ISOLATED GROUND DUPLEX RECEPTACLE	18"
DOUBLE DUPLEX RECEPTACLE	18"
ISOLATED GROUND DOUBLE DUPLEX RECEPTACLE	18"
GFI DOUBLE DUPLEX RECEPTACLE	18"
SINGLE POLE SWITCH	48"
THREE WAY SWITCH	48"
FOUR WAY SWITCH	48"
LOW VOLTAGE SWITCH	48"
FIRE ALARM PULL STATION	48"
FIRE ALARM HORN	80"
FIRE ALARM HORN/STROBE	80"

SPECIAL SYSTEMS LEGEN



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NO.	DATE	DRW. BY	REV.	BY	APP.	REVISION DESCRIPTION
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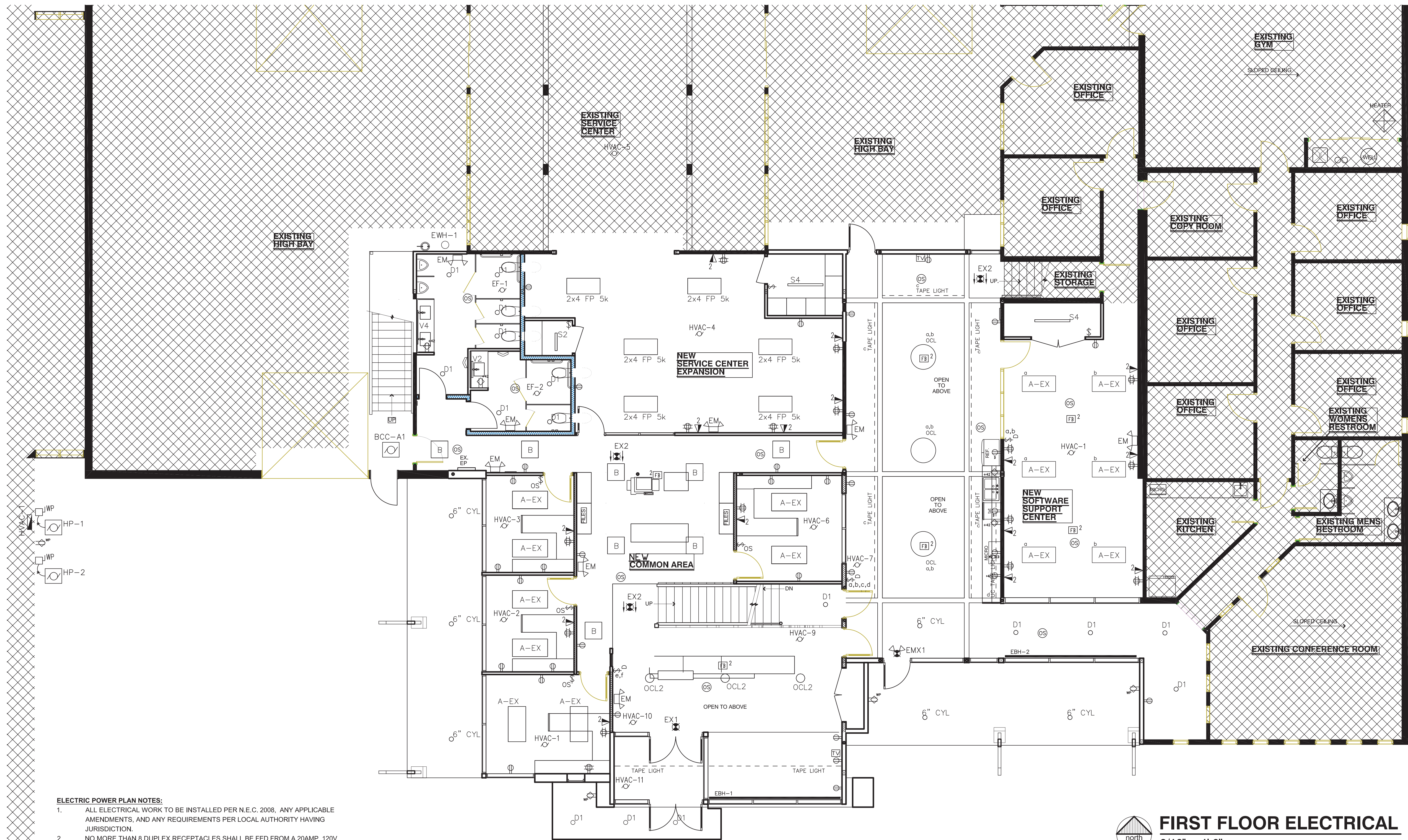
BUILDING ADDITION
1st FLOOR ELECTRICAL PLAN

JOB NUMBER:	ARCHITECT:	ENGINEER:	DATE:	SCALE:	3/16" = 1'-0"
AUTHORITY:	DATE:	5/29/20	SCALE:	3/16" = 1'-0"	
REVISION:	DATE:	MDG	SCALE:	3/16" = 1'-0"	
APPROVED:	DATE:	SZ	SCALE:	3/16" = 1'-0"	
BY:	DATE:	DMS	SCALE:	3/16" = 1'-0"	

DRAWING NUMBER
2

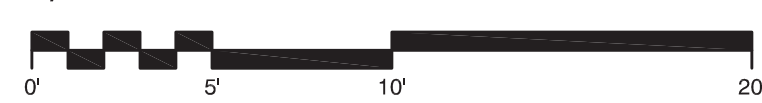
SHEET NO.

E1.1



FIRST FLOOR ELECTRICAL

3/16" = 1'-0"



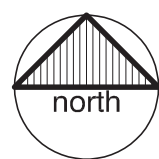
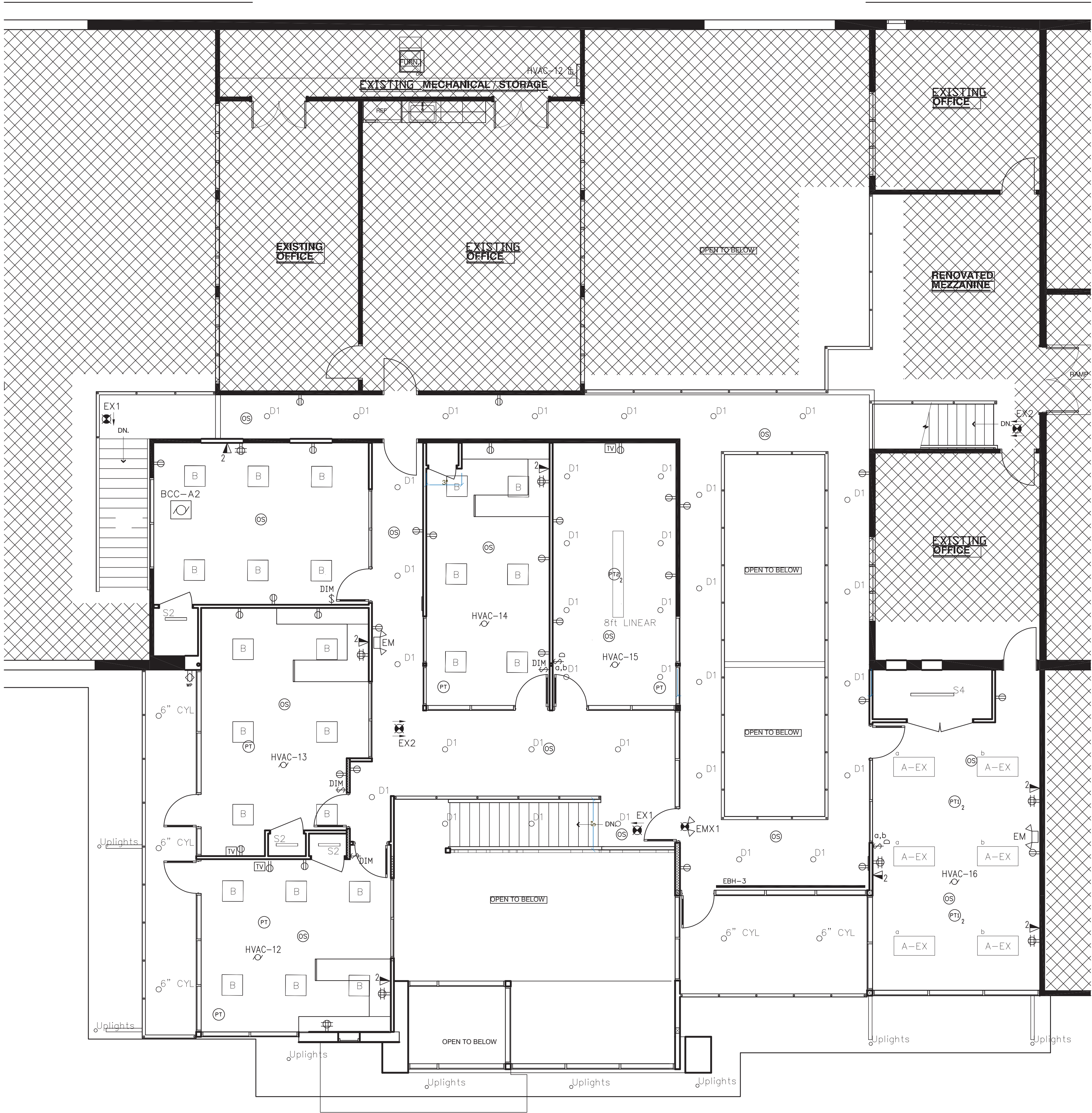
ELECTRIC POWER PLAN NOTES:

- ALL ELECTRICAL WORK TO BE INSTALLED PER N.E.C. 2008, ANY APPLICABLE AMENDMENTS, AND ANY REQUIREMENTS PER LOCAL AUTHORITY HAVING JURISDICTION.
- NO MORE THAN 8 DUPLEX RECEPTACLES SHALL BE FED FROM A 20AMP, 120V CIRCUIT (U.O.N.).
- COORDINATE ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS WITH THE MECHANICAL CONTRACTOR PRIOR TO BEGINNING WORK.
- GFCI RECEPTACLES SHALL BE WIRED TO PROTECT ONLY THE DEVICES IN THAT OUTLET BOX.
- VERIFY INTERIOR ELEVATION DRAWING PRIOR TO ELECTRICAL ROUGH-IN FOR THIS AREA.

LIGHTING PLAN NOTES:

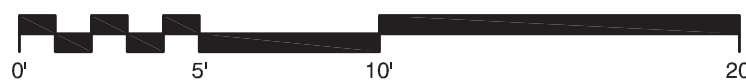
- ALL ELECTRICAL WORK TO BE INSTALLED PER N.E.C. 2008, ANY APPLICABLE AMENDMENTS, AND ALL REQUIREMENTS PER THE LOCAL AUTHORITY HAVING JURISDICTION.
- THE RESTROOM LIGHT FIXTURE AND THE EXHAUST FAN SHALL BE CONTROLLED BY ONE OCCUPANCY SWITCH.
- COORDINATE LUMINAIRE LOCATIONS WITH OTHER TRADES INCLUDING HVAC EQUIPMENT, DUCTWORK, PLUMBING, AND BUILDING STRUCTURAL COMPONENTS. WALL MOUNT LIGHT FIXTURE MOUNTING HEIGHTS AND EXACT LOCATION ARE TO BE COORDINATED WITH THE ARCHITECTURAL ELEVATION DRAWINGS PRIOR TO ELECTRICAL ROUGH-IN.
- LOWER CASE LETTERS AT THE LIGHT FIXTURE TYPE AND SWITCH DESIGNATIONS ("a") INDICATE A SEPARATE LIGHTING CONTROL CHANNEL.





SECOND FLOOR ELECTRICAL

3/16" = 1'-0"



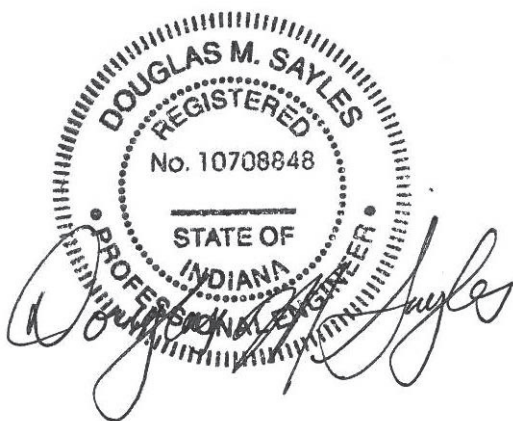
ELECTRICAL DEVICE LEGEND	
NL	NIGHT LIGHT
\$	SINGLE POLE SWITCH
\$ ³	THREE WAY SWITCH
\$ ⁴	FOUR WAY SWITCH
⊕	DUPLEX RECEPTACLE
⊕ ^{WP}	GFI DUPLEX RECEPTACLE
⊕ ^{WP}	WEATHERPROOF RECEPTACLE
⊕ ^{WP}	WEATHERPROOF GFI DUPLEX RECEPTACLE
⊕ ^{IG}	ISOLATED GROUND DUPLEX RECEPTACLE
⊕ ^{TP}	TAMPER-PROOF DUPLEX RECEPTACLE
⊕ ^{DB}	DOUBLE DUPLEX RECEPTACLE
⊕ ^{CE}	CEILING RECEPTACLE
⊕ ^{GD}	GFI DOUBLE DUPLEX RECEPTACLE
⊕ ^{SR}	SPECIAL RECEPTACLE/CONNECTION, VERIFY REQUIREMENTS
⊕	JUNCTION BOX
⊕ ^{WF}	NO FUSE DISCONNECT SWITCH NEMA 1
⊕ ^{WP}	NO FUSE DISCONNECT SWITCH NEMA 3R
⊕ ^F	FUSED DISCONNECT
⊕ ^{CS}	COMBINATION STARTER DISCONNECT
⊕ ^S	STARTER
⊕ ^M	MOTOR CONNECTION
\$ ^M	SMALL MOTOR DISCONNECT
TV	WALL BOX & CONDUIT STUB-UP TO ACCESSIBLE SPACE VERIFY REQUIREMENTS. EQUIPMENT & CABLE BY OTHERS.
V	TELEPHONE/DATA 3/4" CONDUIT TO ACCESSIBLE SPACE
⊕ ^{CS}	EMT CONDUIT SLEEVE THRU-WALL FOR DATA CABLES PLASTIC BUSHING ON EACH END. WALL SEAL AND FIRE CAULK AS REQUIRED.
⊕ ^{PT}	ELECTRICAL FLOOR POKE-THRU FOR POWER AND COMMUNICATIONS.

ELECTRIC POWER PLAN NOTES:

- ALL ELECTRICAL WORK TO BE INSTALLED PER N.E.C. 2008, ANY APPLICABLE AMENDMENTS, AND ANY REQUIREMENTS PER LOCAL AUTHORITY HAVING JURISDICTION.
- NO MORE THAN 8 DUPLEX RECEPTACLES SHALL BE FED FROM A 20AMP, 120V CIRCUIT (U.O.N.).
- COORDINATE ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS WITH THE MECHANICAL CONTRACTOR PRIOR TO BEGINNING WORK.
- EXISTING ELECTRICAL PANEL SERVING THE 2ND FLOOR. ALL CIRCUITS FOR THE NEW 2ND FLOOR ADDITION SHALL BE FED FROM THIS PANEL.
- GFCI RECEPTACLES SHALL BE WIRED TO PROTECT ONLY THE DEVICES IN THAT OUTLET BOX.
- VERIFY INTERIOR ELEVATION DRAWING PRIOR TO ELECTRICAL ROUGH-IN FOR THIS AREA.

LIGHTING PLAN NOTES:

- ALL ELECTRICAL WORK TO BE INSTALLED PER N.E.C. 2008, ANY APPLICABLE AMENDMENTS, AND ALL REQUIREMENTS PER THE LOCAL AUTHORITY HAVING JURISDICTION.
- THE RESTROOM LIGHT FIXTURE AND THE EXHAUST FAN SHALL BE CONTROLLED BY ONE OCCUPANCY SWITCH.
- COORDINATE LUMINAIRE LOCATIONS WITH OTHER TRADES INCLUDING HVAC EQUIPMENT, DUCTWORK, PLUMBING, AND BUILDING STRUCTURAL COMPONENTS.
- WALL MOUNT LIGHT FIXTURE MOUNTING HEIGHTS AND EXACT LOCATION ARE TO BE COORDINATED WITH THE ARCHITECTURAL ELEVATION DRAWINGS PRIOR TO ELECTRICAL ROUGH-IN.
- LOWER CASE LETTERS AT THE LIGHT FIXTURE TYPE AND SWITCH DESIGNATIONS ("a") INDICATE A SEPARATE LIGHTING CONTROL CHANNEL.



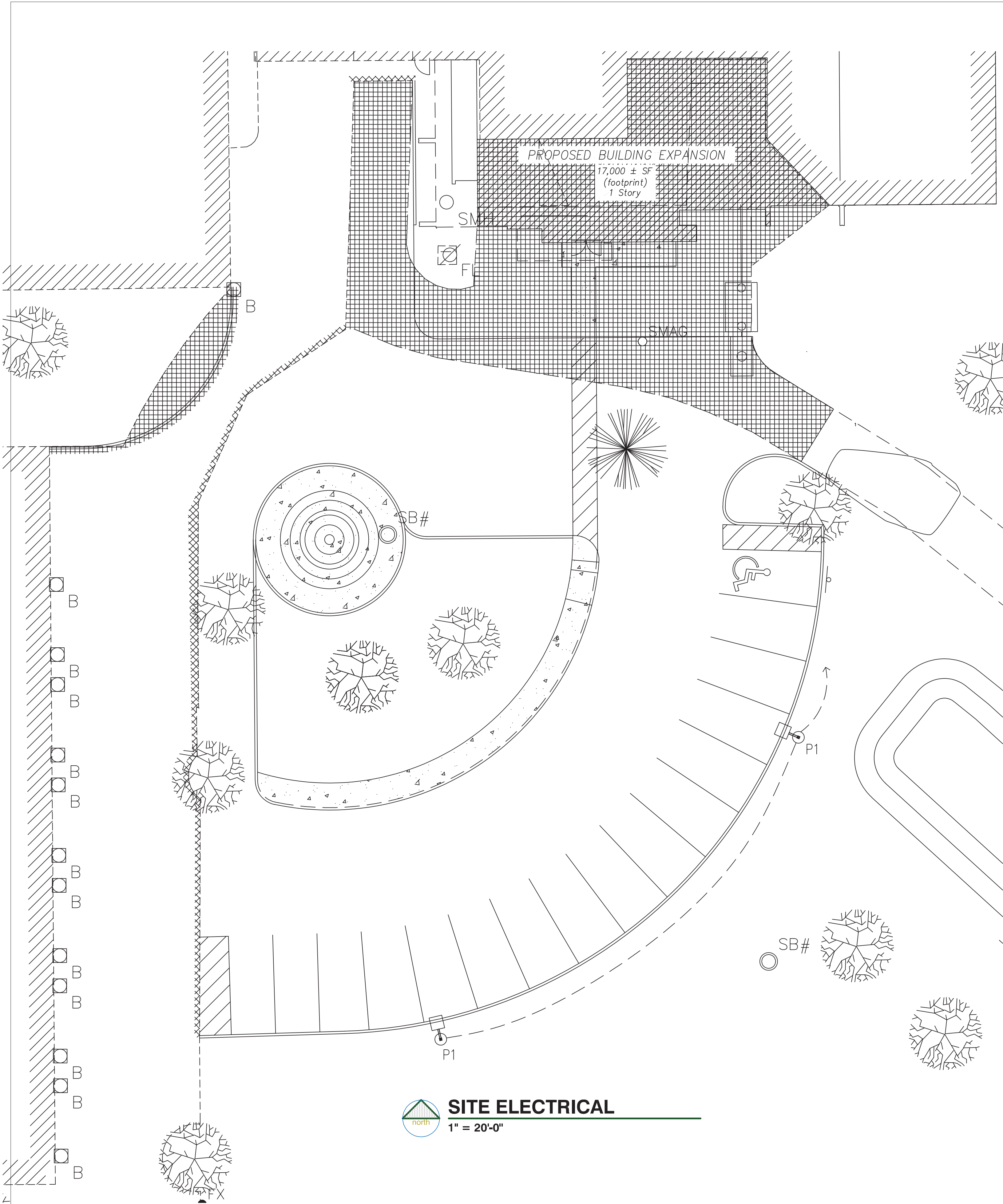
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NO.	DATE	REV. BY	REVISION DESCRIPTION
1		MG	

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BUILDING ADDITION	
2nd FLOOR ELECTRICAL PLAN	

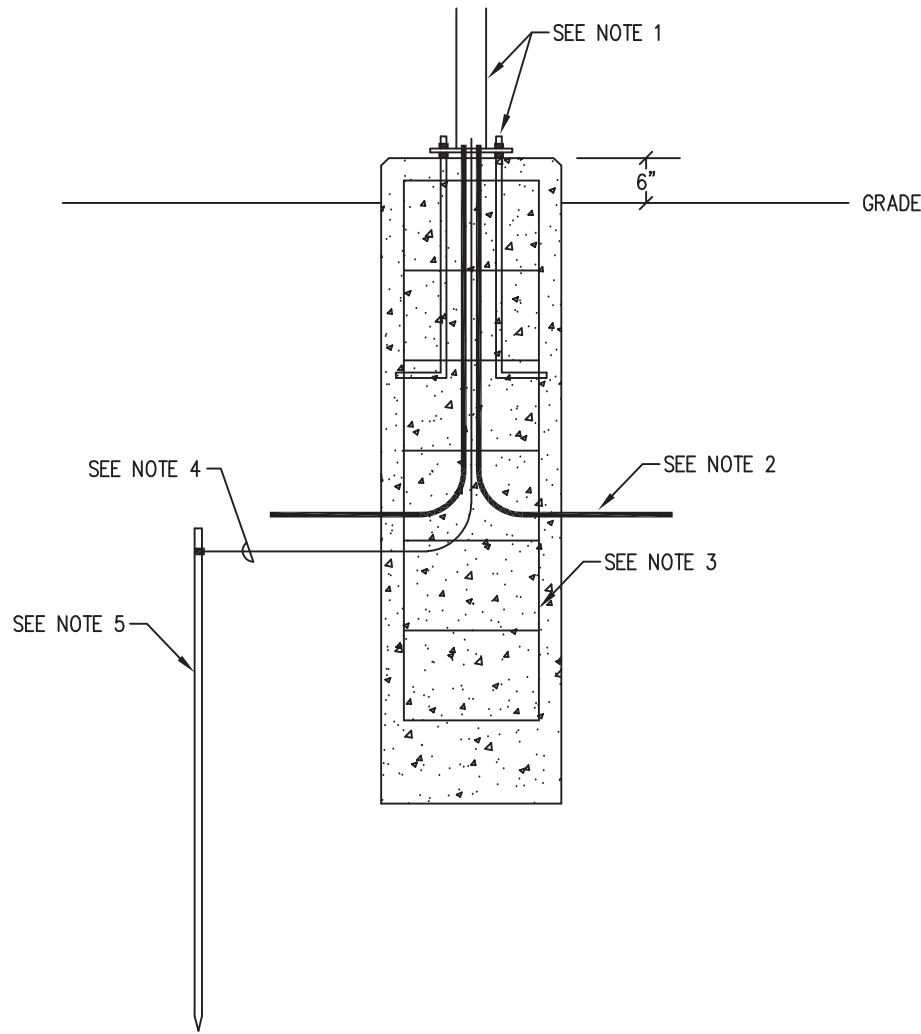
JOB NUMBER	ARCHITECT	ENGINEER	AUTHORITY HAVING JURISDICTION	DATE	SCALE	DRAWN	REVIEWED BY	APPROVED BY
				5/29/20	3/16" = 1'-0"	MDG	SZ	DMS

DRAWING NUMBER	
3	

SHEET NO.	
E1.2	



Luminaire parts list								
Index	Manufacturer	Luminaire type	Item number	Fitting	Luminous flux	Light loss factor	Connected load	Quantity
P1	Industrial Lighting Products Inc	Gray formed aluminum, clear plastic optics	AL-110W-U-40-T4	1x96 white LEDs	17031 lm	0.80	112.6 W	2



- NOTES:
1. POLE AND ANCHOR BOLTS BY MANUFACTURER.
 2. 1" PVC CONDUIT UNLESS OTHERWISE SPECIFIED.
 3. (8) #4 VERTICAL WITH #3 TIES ON 12" CENTERS.
 4. #6AWG SOLID COPPER BOND TO POLE.
 5. 1/2" x 10'-0" COPPER CLAD GROUND ROD.
 6. SONET TUBE SHALL FORM ONLY 24" BELOW GRADE FOR CONCRETE BASE SET-UP.
 7. BASE DIAMETER AND BASE DEPTH BELOW GRADE ARE AS FOLLOWS.
** 14" POLE = 18" DIA. x 5' BELOW GRADE

CONCRETE LIGHT POLE DETAIL
NTS

- SITE ELECTRICAL NOTES:**
1. ALL ELECTRICAL WORK TO BE INSTALLED PER N.E.C. 2008, ANY APPLICABLE AMENDMENTS, AND ANY REQUIREMENTS PER LOCAL AUTHORITY HAVING JURISDICTION.
 2. 120V SITE LIGHTING CIRCUIT FED FROM BUILDING SITE LIGHTING CONTACTOR. UTILIZE 3/4" SCH 40 PVC CONDUIT WITH #10 THHN CU.
 3. SITE LIGHTING IS TO BE CONTROLLED BY A DAWN TO DUSK PHOTOCELL IN CONJUNCTION WITH AN ENERGY SAVINGS 24/7 TIMECLOCK.
 4. CONCRETE LIGHT POLE BASE WILL BE SETBACK 12 INCHES FROM THE PARKING EDGE.
 5. CALL FOR UNDERGROUND UTILITIES LOCATES 48HRS PRIOR TO EXCAVATION.



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THIS DRAWING PREPARED FOR
RAPIDVIEW

BUILDING ADDITION
SITE ELECTRICAL PLAN

DATE	5/29/20
SCALE	1" = 20'-0"
DRAWN BY	MDG
REVIEWED BY	SZ
APPROVED BY	DMS