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ELECTRICAL LEGEND					
SYMBOL			DESCRIPTION		
LIGHTING					
			SURFACE, SUSPENDED OR RECESSED (TYPE DETERMINES MOUNTING)		
			SURFACE OR RECESSED DOWN LIGHT (TYPE DETERMINES MOUNTING)		
			SURFACE OR RECESSED DOWNLIGHT WITH A WALWASH TRIM (TYPE DETERMINES MOUNTING)		
			SURFACE OR RECESSED FIXTURE (TYPE DETERMINES MOUNTING)		
			WALL BRACKET FIXTURE		
			PENDANT FIXTURE		
			LINEAR PENDANT		
			UTILITY LIGHT		
			TRACK LIGHTING		
			WALL MOUNTED EXTERIOR WALL PACK		
			WALL MOUNTED EMERGENCY FIXTURE		
			CEILING MOUNTED EXIT SIGN - SHADED AREAS INDICATE FACES - WHEN SHOWN ARROWS INDICATE DIRECTION OF EXIT - BATTERY OR EM. GEN.		
			WALL MOUNTED EXIT SIGN - SHADED AREAS INDICATE FACES - WHEN SHOWN ARROWS INDICATE DIRECTION OF EXIT - BATTERY OR EM. GEN.		
LIGHT FIXTURE MODIFIERS					
"F"		DESIGNATES FIXTURE TYPE - SEE LIGHTING FIXTURE SCHEDULE			
NL		NIGHT LIGHT - FIXTURE TO REMAIN ON WHEN OTHER FIXTURES WITH IN THE SPACE ARE OFF			
E		EMERGENCY LIGHT - FIXTURE TO BE PROVIDED WITH EMERGENCY BATTERY			
SWITCHES					
\$		FLUSH MOUNTED WALL SWITCH WITH STAINLESS STEEL DEVICE PLATE, SINGLE POLE, 20A, 120/277V, SATIN FINISH, MOUNTED AT 48" A.F.F. TO CENTERLINE OR AS NOTED.			
		OCCUPANCY SENSOR - CEILING MOUNT - DUAL TECH. TYPE (PIR & ULTRASONIC)			
		OCCUPANCY SENSOR - WALL MOUNT - DUAL TECH. TYPE (PIR & ULTRASONIC)			
		SPECIALTY SWITCH. SEE SPECIFICATIONS FOR DETAILS.			
		TWO WALL SWITCHES COMBINED FOR SWITCHING DUAL BALLAST FIXTURES. ONE SWITCH FOR THE OUTSIDE LAMPS AND ONE FOR THE INSIDE LAMP.			
SWITCH MODIFIERS					
T		DIGITAL TIMER SWITCH WITH THREE WAY SWITCH OPTION			
AV		AV RECEPTACLE AND ADJACENT DATA OR TV BOX (IF INDICATED) PER AV REQUIREMENTS. SEE LATEST SET OF AV DRAWING FOR MATERIAL AND INSTALLATION REQUIREMENTS			
3		THREE WAY SWITCH OR DIMMER			
4		FOUR WAY SWITCH			
D		SWITCH WITH DIMMING			
M		MOTOR RATED SWITCH WITH THERMAL OVERLOAD			
POWER					
		FLUSH WALL MOUNTED DUPLEX RECEPTACLE, 20A, 120V, MOUNTED AT 18" A.F.F. TO CENTERLINE OR AS NOTED.			
		DUPLEX RECEPTACLE WITH SAME SPECS AS ABOVE WITH INTERNAL GROUND FAULT CIRCUIT INTERRUPTER.			
		DUPLEX RECEPTACLE WITH SAME SPECS AS ABOVE FOR A DEDICATED CIRCUIT.			
		DUPLEX RECEPTACLE WITH SAME SPECS AS ABOVE WITH A SEPARATE ISOLATED GROUND CONDUCTOR CARRIED BACK TO THE BREAKER.			
		DUPLEX RECEPTACLE WITH SAME SPECS AS ABOVE WITH INTERNAL GROUND FAULT CIRCUIT INTERRUPTER AND A WEATHERPROOF COVER.			
		DUPLEX RECEPTACLE WITH SAME SPECS AS ABOVE WITH 2 USB OUTLETS			
		QUADRUPLX RECEPTACLE WITH SAME SPECS AS ABOVE.			
		SPECIAL RECEPTACLE, SEE SPECIFIC NOTES FOR VOLTAGE AND CONFIGURATION			
		DUPLEX RECEPTACLE WITH SAME SPECS AS ABOVE MOUNTED FLUSH TO CEILING			
		POWER OUTLET IN PVC FLOOR BOX FLUSH MOUNTED IN THE CONCRETE SLAB			
		PLUGMOLD - LENGTH AS INDICATED ON DRAWINGS			
		JUNCTION BOX WITH COVERPLATE			
		TRANSFORMER - KVA AS DENOTED			
		FUSIBLE SAFETY SWITCH, SIZE NOTED (FRAME/V/POLES/FUSE)			
		PANELBOARD, SURFACE OR RECESSED AS SHOWN			
		MOTOR, SIZE AS NOTED, "F" DENOTES FRACTIONAL HP TYPE EXHAUST FAN.			
		MOTOR DRIVE.			
		CONDUIT AND WIRE CONCEALED IN WALL OR ABOVE CEILING. THE ARROW INDICATES A HOMERUN TO THE PANEL. SLASHES MARKS INDICATE THE NUMBER OF #12 WIRES IN THE CONDUIT, ABSENCE OF SLASHES IS (2) #12. SIZE CONDUIT PER N.E.C. A SEPARATE EQUIPMENT GROUND IS REQUIRED BUT IT IS NOT DENOTED WITH A SLASH. #10 DENOTES AN INCREASE IN THE WIRE SIZE.			
		COMBINATION CARBON MONOXIDE AND SMOKE ALARM, 120V, WITH BATTERY BACK-UP. TIE INTO EMERGENCY PANEL.			

VOLTAGE DROP SCHEDULE					
ANCE	CONDUCTOR SIZE	DISTANCE	CONDUCTOR SIZE	DISTANCE	CONDUCTOR SIZE
OV CIRCUITS UP		120V CIRCUITS		277V CIRCUITS UP	
120V CIRCUITS DOWN		120V CIRCUITS		277V CIRCUITS DOWN	

SYMBOL		DESCRIPTION	
TELEPHONE / DATA / TELEVISION			
		COMBINATION OUTLET, WALL MOUNTED 18" A.F.F. OR AS NOTED, WITH 3/4" CONDUIT, WITH PULL STRING, STUBBED ABOVE CEILING AND BUSHING INSTALLED.	
		DATA OUTLET, WALL MOUNTED 18" A.F.F. OR AS NOTED, WITH TWO PORTS UNLESS SUBSCRIPT INDICATES OTHERWISE, WITH 1" CONDUIT, WITH PULL STRING STUBBED, ABOVE CEILING AND WITH BUSHING INSTALLED. (VERIFY AV DRAWINGS)	
		TELEPHONE OUTLET, WALL MOUNTED 18" A.F.F. OR AS NOTED, WITH 3/4" CONDUIT, WITH PULL STRING, STUBBED ABOVE CEILING AND WITH BUSHING INSTALLED	
		DATA OUTLET IN PVC FLOOR BOX FLUSH MOUNTED IN THE CONCRETE SLAB	
		DATA OUTLET MOUNTED FLUSH TO CEILING	
		TELEVISION OUTLET - VERIFY MOUNTING OUTLET AND ADJACENT RECEPTACLE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH IN, 1" CONDUIT, WITH PULL STRING STUBBED ABOVE CEILING AND WITH BUSHING INSTALLED. (VERIFY AV DRAWINGS)	
SPECIAL SYSTEMS/SECURITY			
		CARD READER ENTRANCE PAD	
		WIRELESS ACCESS POINT (VERIFY AV DRAWINGS)	
		CEILING MOUNTED INTERCOM SPEAKER	
		SECURITY DOOR CONTACTOR	
		MICROPHONE	
		INTERCOM STATION	
		PHOTOCELL	
		SINGLE FACE CLOCK	
		DUAL FACE CLOCK	
		SINGLE FACE CLOCK WITH INTEGRAL INTERCOM SPEAKER	
		PA SPEAKER	
		WEATHERPROOF HORN	
		MAGNETIC LOCK	
		ELECTRIC STRIKE	
		REQUEST TO EXIT BUTTON	
		MOTION DETECTOR FOR SECURITY SYSTEM	
		CEILING MOUNTED CAMERA	
		WALL MOUNTED CAMERA	
FIRE ALARM			
		FIRE ALARM PULL STATION	
		WALL MOUNTED FIRE ALARM VISUAL SIGNAL UNIT	
		WALL MOUNTED FIRE ALARM AUDIBLE SPEAKER/VISUAL SIGNAL UNIT	
		CEILING MOUNTED FIRE ALARM VISUAL SIGNAL UNIT	
		CEILING MOUNTED FIRE ALARM AUDIBLE SPEAKER/VISUAL SIGNAL UNIT	
		FIRE ALARM CONTROL PANEL	
		REMOTE ANNUNCIATOR PANEL	
		VOICE EVACUATION CONTROL PANEL	
		SMOKE DETECTOR	
		HEAT DETECTOR	
		DUCT SMOKE DETECTOR	
		FIRE ALARM HORN	
		FIRE ALARM SPEAKER	
		FLOW SWITCH	
		TAMPER SWITCH	
		FIRE ALARM CONTROL MODULE	
		FIRE RELAY	
		FIRE ALARM DOOR HOLDER, CONNECT TO 120V CIRCUIT AS INDICATED	
		FIRE ALARM MONITOR MODULE	
		FIRE FIGHTER'S TELEPHONE	
AF		ARC FAULT PROTECTED DEVICE	
A.F.F.		ABOVE FINISHED FLOOR OR GRADE	
UC		UNDER COUNTER REFRIGERATOR	
WP		WEATHERPROOF	
NRC		NEAREST RECEPTACLE CIRCUIT	
CT		COUNTERTOP HEIGHT	
GFI		GROUND FAULT PROTECTED DEVICE	
EX		EXISTING OUTLET BOX TO REMAIN - REPLACE WITH INDICATED NEW DEVICE	
H		HOSPITAL GRADE DEVICE WITH REDUNDANT GROUND	

VOLTAGE DROP SCHEDULE					
DISTANCE	CONDUCTOR SIZE	DISTANCE	CONDUCTOR SIZE	DISTANCE	CONDUCTOR SIZE
120V CIRCUITS UP TO 8 AMPS		120V CIRCUITS 9 AMPS TO 16 AMPS		277V CIRCUITS UP TO 16 AMPS	
1' - 120'	#12 AWG	1' - 65'	#12 AWG	1' - 160'	#12 AWG
121' - 190'	#10 AWG	66' - 110'	#10 AWG	161' - 250'	#10 AWG
191' - 300'	#8 AWG	111' - 170'	#8 AWG	251' - 390'	#8 AWG
301' - 470'	#6 AWG	171' - 270'	#6 AWG	391' - 620'	#6 AWG

NOTE: CONTRACTOR SHALL UPSIZE CONDUCTORS PER VOLTAGE DROP SCHEDULE ABOVE.

## GENERAL ELECTRICAL NOTES:

- ALL WORK SHALL CONFORM TO THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL LOCAL, STATE AND NATIONAL CODES AND STANDARDS.
- CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NO EXTRAS WILL BE ALLOWED FOR CONDITIONS THAT A SITE VISIT SHOULD HAVE REVEALED.
- ALL ELECTRICAL LOCATIONS SHOWN ON THESE DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL INSTALLATIONS AND THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL APPLY FOR AND PAY ALL NECESSARY PERMIT FEES.
- CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE UTILITIES WITH THE RESPECTIVE LOCAL UTILITY COMPANIES AND VERIFY THE AVAILABILITY OF THE SERVICE INDICATED ANY SERVICE CHARGES SHALL BE PAID BY THE CONTRACTOR.
- CONTRACTOR SHALL VERIFY THE ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT WITH THE EQUIPMENT SUPPLIER. BREAKER AND DISCONNECT SIZES SHALL MATCH THE ACTUAL REQUIREMENTS OF THE EQUIPMENT PROVIDED. REFERENCE MECHANICAL DRAWING FOR DETAILS, DIMENSIONS AND EXACT LOCATIONS OF EQUIPMENT.
- CONTRACTOR SHALL VERIFY THE ELECTRICAL REQUIREMENTS FOR ALL OWNER PROVIDED OR PROJECT SPECIFIC EQUIPMENT WITH EQUIPMENT SPECIFICATIONS AND REQUIREMENTS. INSTALLATION SHALL BE INTEGRATED WITH THE CONSTRUCTION OF THE (ADJACENT, SURROUNDING) DISCIPLINES. BREAKER, DISCONNECT, JUNCTION BOXES, AND/OR RECEPTACLES SIZES SHALL MATCH THE ACTUAL REQUIREMENTS OF THE EQUIPMENT PROVIDED. REFERENCE ARCHITECTURAL DRAWING AND EQUIPMENT SPECIFICATIONS FOR DETAILS, DIMENSIONS AND EXACT LOCATIONS OF EQUIPMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL VOLTAGE DROP LOST IN CONDUCTORS. VOLTAGE DROP SHALL NOT EXCEED 3% LOSS ON ANY FEEDER OR BRANCH CIRCUIT.
- PENETRATIONS THROUGH FIRE/SMOKE RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814. REFERENCE ARCHITECTURAL DRAWINGS FOR FIRE RATED WALLS.
- ALL ELECTRICAL SYSTEMS, EQUIPMENTS AND COMPONENTS SHALL BE LOCATED AT OR ABOVE THE BASE FLOOD ELEVATION OR GRADE ELEVATION, WHICHEVER IS HIGHER, AS PER IBC 2009 ART. 1621.1, LOCAL AUTHORITY'S HAVING JURISDICTION TO THE INTERNATIONAL BUILDING CODE ART. 110.21, 2735(B).
- CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED EXTERIOR ELECTRICAL DEVICES INCLUDING, BUT NOT LIMITED TO, CONDUITS AND JUNCTION BOXES. PAINT SHALL MATCH WITH THE SURROUNDING AREA. VERIFY EXACT COLOR WITH THE ARCHITECT.
- CONTRACTOR SHALL USE METAL RACEWAYS AND BOXES FOR OUTLET LOCATIONS. ALL RACEWAYS AND BOXES THAT CANNOT BE RECESSED IN THE WALL SHALL BE APPROVED BY THE ARCHITECT AND SHALL BE SUPPORTED WITH SCREW/ANCHOR FASTENERS. GLUE OR TAPED SUPPORTS ARE NOTE ACCEPTABLE.
- CONTRACTOR SHALL PROVIDE ALL 120V AND FIRE ALARM CONNECTORS FOR ALL SMOKE AND FIRE DAMPERS. SEE MECHANICAL PLANS FOR LOCATIONS.
- POWER OUTAGES SHALL BE COORDINATED WITH THE OWNER AT A TIME THAT IS CONVENIENT TO THEIR SCHEDULE. DOWNTIME SHALL BE KEPT TO A MINIMUM. THIS MAY REQUIRE WORKING AFTER HOURS AND/OR WEEKENDS. CONTRACTOR SHALL COORDINATE INSTALLATIONS WITH THE ARCHITECT AND THE OWNER'S CONSTRUCTION MANAGER REGARDING THE PHASING OF THE PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE FIRE ALARM. ALL DEVICES SHALL BE PROPERLY TESTED AND IN WORKING ORDER FOR A "TURNKEY" SYSTEMS. CONTRACTOR SHALL VISIT THE SITE TO INSPECT EXISTING CONDITIONS PRIOR TO BID.

LIGHTING FIXTURE SCHEDULE										
TYPE	MANUFACTURER	CATALOG NO.	LAMPS	VOLTS	MOUNTING	WATTS	LUMEN OUTPUT	COLOR TEMP.	COLOR RENDERING INDEX	DESCRIPTION
F1	BIG ASS FAN	HAIKU S3150-X2-MOTOR FINISH-04-02-C-01-FINISH-ROD EXTENSION-SWITCH	-	120V	PENDANT	27W	-	-	-	LINE VOLTAGE CONTROL, MANUFACTURER TO PROVIDE TOGGLE SWITCH
L1	HALO	SMD6RI2935WH-V	LED	120V	SURFACE	15W	1264	3500	WHITE	6" ROUND SURFACE MOUNTED DOWNLIGHT, STANDARD TRIM
L2	LUMENART	AWL.70	LED	120V	SURFACE	15W	860	3000	FINISH	8" EXTERIOR DOWNLIGHT CYLINDER SCENCE
L2E	LUMENART	AWL.70-EM DRVIER	LED	120V	SURFACE	15W	860	3000	FINISH	SAME AS ABOVE WITH REMOTE EMERGENCY BATTERY DRIVER
L3	ELK	15653/3	LED	120V	SURFACE	45W	-	-	OIL RUBBED BRONZE	GLENCOE 25" WIDE, 16" HEIGHT, 4-LAMP CHANDELIER, WITH WEATHERED ZINC MESH METAL LAMP COVERS, LED EDISON EQUIVALENT LAMPS TYPE A19 (E26 MEDIUM BASE)
L4	HI-LITE	H-99565-4D-26-154	LED	120V	PENDANT	60W	-	-	OIL RUBBED BRONZE	GLENCOE 23" WIDE 3-LAMP VANITY, WITH 5" METAL GRILL LAMP COVERS, LED EDISON EQUIVALENT LAMPS TYPE A19 (E26 MEDIUM BASE)
L5	HALO	HC4-2-0D010-RMB22-HM4-0525-827-41-WD-C	LED	120-277	RECESSED	15W	1500	2700	CLEAR SPECULAR	4" LED RECESSED CAN LIGHT, WITH CONICAL REFLECTOR, WIDE DISTRIBUTION
L6	METALUX	24FP64235C	LED	120-277	RECESSED	59W	6602	3500	WHITE	2' X 4' RECESSED EDGE-LIT FLAT PANEL
L7	METALUX	45NLED-LD4-465L-LW-UNV-L830-CD1-U	LED	120-277	SURFACE	35W	4718	3000	WHITE	4' LED STRIP LIGHT WITH ROUND FULL FROST LENST
L7E	METALUX	45NLED-LD4-465L-LW-UNV-L835-CD1-U	LED	120-277	SURFACE	35W	4718	3000	WHITE	SAME AS ABOVE WITH INTEGRAL EMERGENCY BATTERY DRIVER
EX	SURELITES	LPXW-7-FACE-R-WHITE-SD	LED	120-277	UNIVERSAL	3W	-	-	WHITE	WET LOCATION LED EXIT, POLYCARBONATE HOUSING, INTEGRAL BATTERY, RED TEXT, SELF DIAGNOSTICS
EE	SURELITES	LPXC-25	LED	120-277	UNIVERSAL	2W	-	-	WHITE	EXIT/EMERGENCY COMBO FIXTURE, THERMO PLASTIC, RED TEXT, SELF DIAGNOSTIC, FACES AND ARROWS PER PLAN
EM	SURELITES	SEL-25-SD	LED	120-277	WALL	4W	-	-	WHITE	DOUBLE HEAD EMERGENCY LIGHT, SELF-DIAGNOSTICS, WHITE HOUSING, NICKEL CADMIUM BATTERY
NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DETAILED SPECIFICATIONS OF ALL PURCHASED LIGHT FIXTURES TO DRAKE ENGINEERING FOR APPROVAL. THE SUBMITTAL PROCESS IS MANDATORY. THE CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ALL LIGHT FIXTURES PURCHASED WITHOUT APPROVED SUBMITTALS.										

THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY OR UNDER MY CLOSE SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF THEY COMPLY WITH ALL CITY REQUIREMENTS AND THAT I AM (NOT) ADMINISTERING THE WORK.

ENGINEER

2783 LAPALCO BLVD. HARVEY, LA 70058	(504) 875-2121 PROJECT No. 1714



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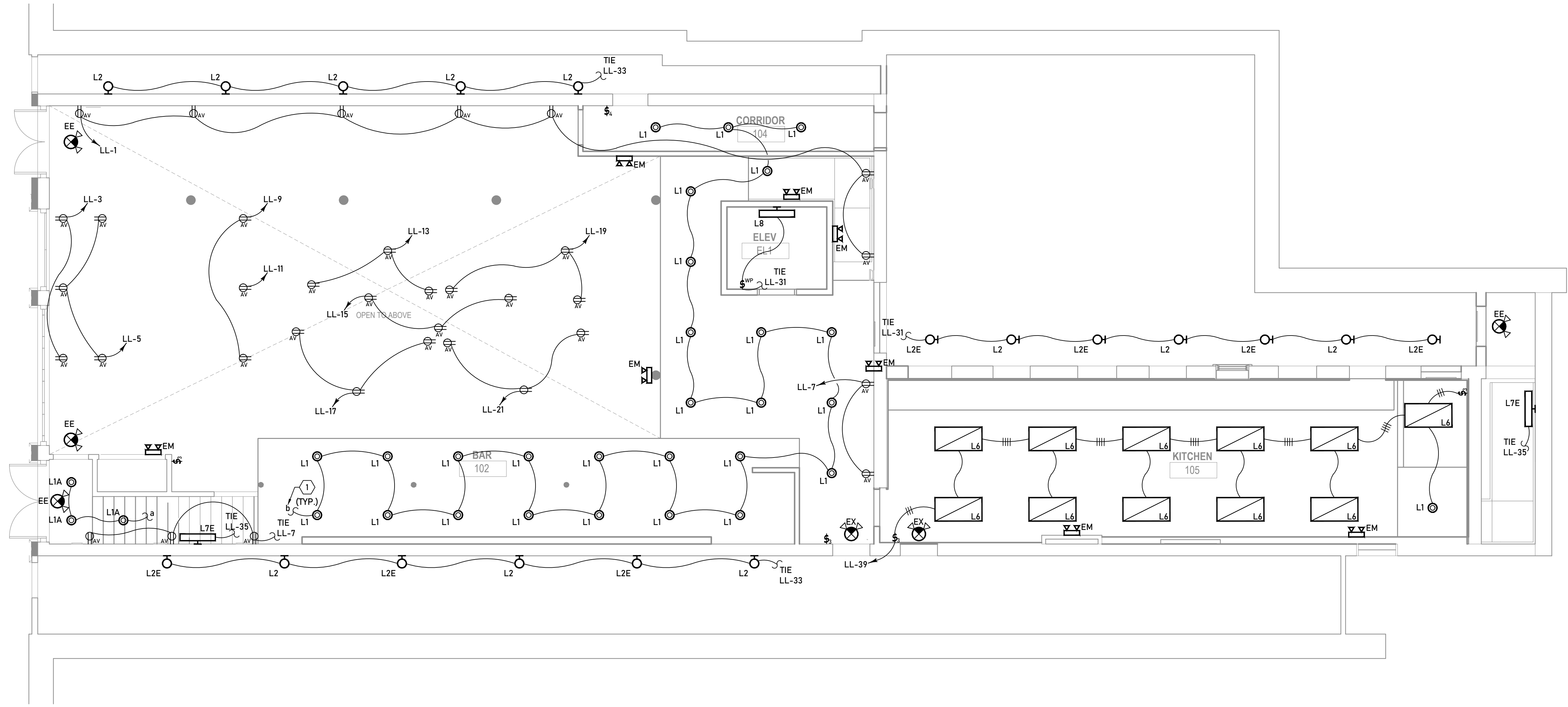
DRAWING  
ELECTRICAL NOTES,  
LEGEND, AND SCHEDULES

DRAWING BY JCW  
SCALE AS SHOWN  
JOB No. 520087.00  
DATE 04.11.2022

Sheet No.

**E000**





1 FIRST FLOOR LIGHTING PLAN  
E100 SCALE: 3/16" = 1'

ELECTRICAL KEY NOTES

1. CONNECT TO ALPHABETICALLY SYMBOLIZED SWITCH TO INDICATED SWITCHED CIRCUIT. PROVIDE ENGRAVED PLATE FOR EACH SWITCH PER THE OWNER'S INSTRUCTIONS.

GENERAL LIGHTING NOTES:

1. VERIFY EXACT LOCATION OF ALL SWITCHES AND DIMMERS WITH THE OWNER OR ARCHITECT PRIOR TO INSTALLATION.
2. VERIFY EXACT MOUNTING LOCATION OF EMERGENCY FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.
3. ALL EMERGENCY, EXIT LIGHTS, EMERGENCY BATTERY PACKS AND NIGHT LIGHTS SHALL BE POWERED BY THE NEAREST UN-SWITCHED LIGHTING CIRCUIT IN THE ROOM, UNLESS NOTED OTHERWISE.
4. CONTRACTOR SHALL PROVIDE TWO (2) ADDITIONAL CONDUCTORS FOR EACH SWITCHED LIGHT CONTROLLED THROUGH A DIMMER SWITCH.
5. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE LIGHT FIXTURES WITH THE STRUCTURAL AND ARCHITECTURAL REFLECTED CEILING, ELEVATION, AND SECTION PLANS.
6. SEE GENERAL ELECTRICAL NOTES ON SHEET E000.



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FIRST FLOOR LIGHTING  
PLANS  
DRAWING BY JCW  
SCALE AS SHOWN  
JOB No. 520087.00  
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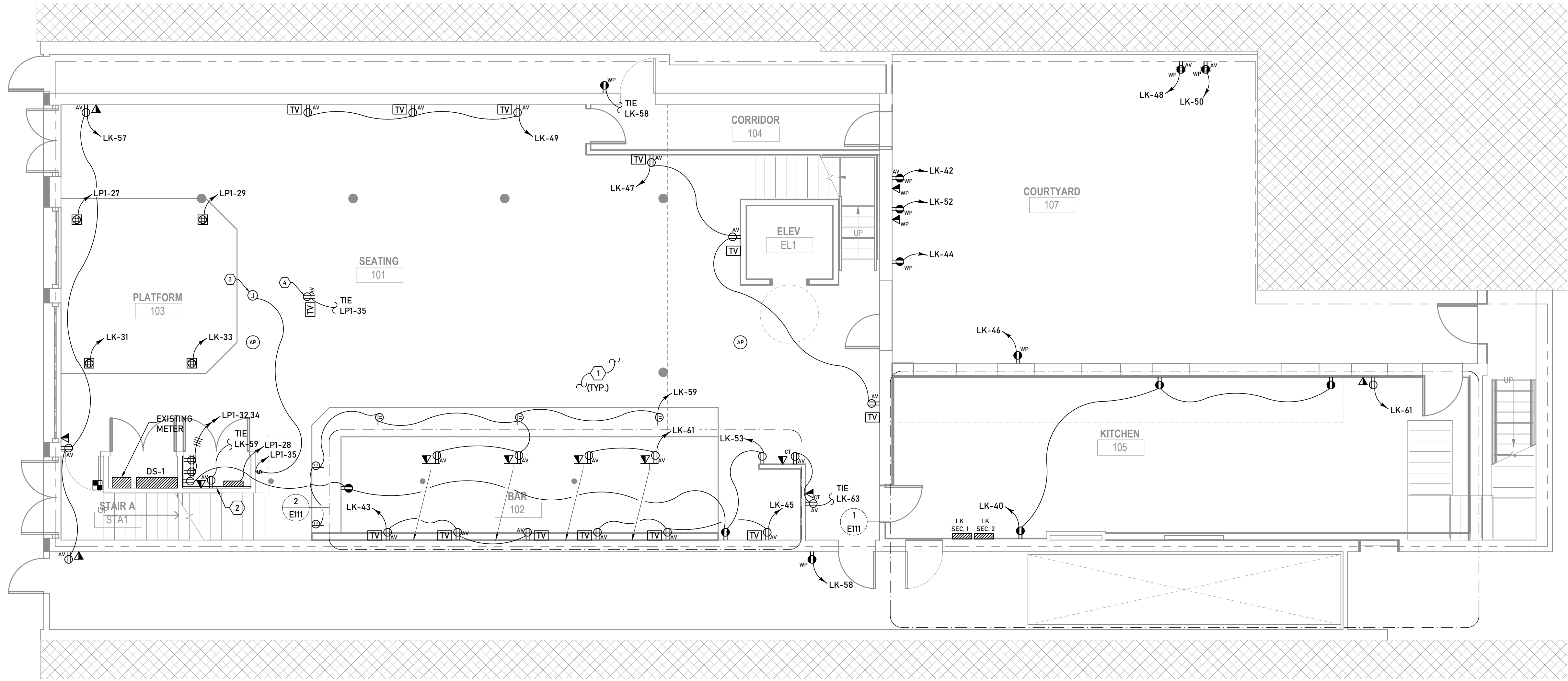
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E100

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1 FIRST FLOOR POWER PLAN  
E110 SCALE: 3/16" = 1'

### ELECTRICAL KEY NOTES

- CONTRACTOR SHALL PROVIDE A COMPLETE FIRE ALARM SYSTEM PER THE REQUIREMENTS OF NFPA 72 AND THE STATE FIRE MARSHAL'S OFFICE. SYSTEM SHALL INCLUDE FULL SMOKE DETECTION AND NOTIFICATION SYSTEM FOR EARLY WARNING AND PROTECTION.
- INSTALL 3/4" THICK PIECES OF FIRE RATED PLYWOOD AS INDICATED. PROVIDE A #6 AWG ISOLATED GROUND CONDUCTOR CONNECTED DIRECTLY TO THE GROUND BUS IN PANEL PROVIDING POWER TO THE DEVICES MOUNTED TO THE BACKBOARD. ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE SURFACE MOUNTED.
- CONTRACTOR SHALL PROVIDE 120V CONNECTION TO MOTORIZED PROJECTOR SCREEN. VERIFY SWITCHES LOCATION PRIOR TO ROUGH-IN.
- PROJECTOR (120V)  
PROVIDE CEILING MOUNTED RECEPTACLE AND OUTLET BOX FOR TV CONNECTION.

### GENERAL POWER NOTES:

- ALL DEVICES WITH DEDICATED CIRCUITS ARE SPECIFIC TO A PIECE OF EQUIPMENT. CONTRACTOR SHALL VERIFY ARCHITECTURAL DRAWINGS FOR APPROXIMATE LOCATIONS OF EQUIPMENT. SEE PANEL SCHEDULES FOR DEVICE OR EQUIPMENT NAMES.
- CONTRACTOR SHALL VERIFY ALL DATA, TV, RECEPTACLE, ETC. OUTLET LOCATIONS WITH THE OWNER OR ARCHITECT PRIOR TO ROUGH IN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE MOUNTING LOCATIONS OF ALL ELECTRICAL PANELS AND DISCONNECTS. PRIOR TO ORDERING THE EQUIPMENT. MOUNTING LOCATIONS SHALL HAVE ADEQUATE MOUNTING SPACE TO MEET NEC CODE REQUIREMENTS FOR WORKING SPACE CLEARANCES.
- SEE GENERAL ELECTRICAL NOTES ON SHEET E000.



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DRAWING  
FIRST FLOOR POWER  
PLANS

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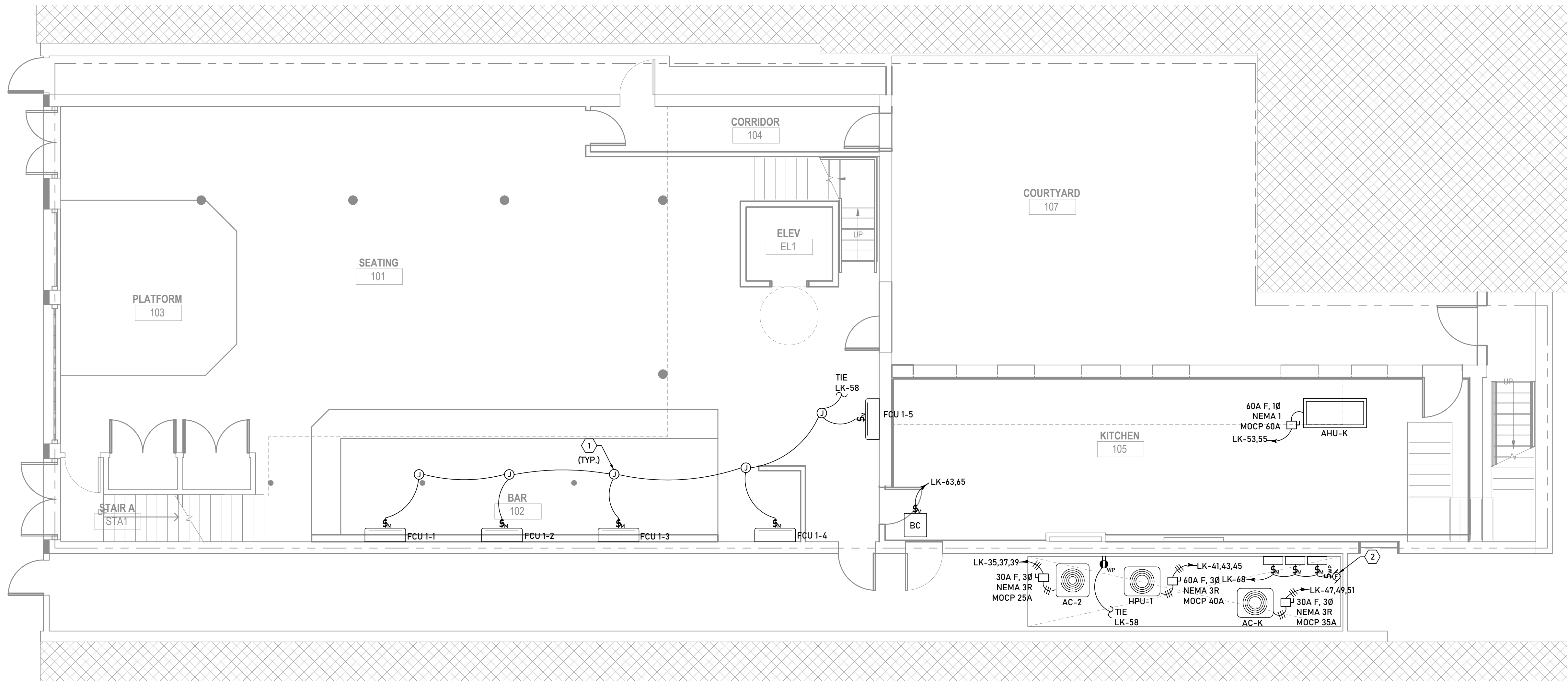
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**E110**

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1 FIRST FLOOR MECHANICAL POWER PLAN  
E120 SCALE: 3/16" = 1'

ELECTRICAL KEY NOTES

- ① MINI-SPLIT A/C UNIT HAS A SINGLE POINT CONNECTION AT THE HEAT PUMP. CONTRACTOR SHALL PROVIDE INTERCONNECTING WIRING BETWEEN THE HEAT PUMP AND THE AIR HANDLING UNIT. PROVIDE MEANS OF DISCONNECT TO MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
- ② SUMP PUMP (120V, 20A)  
PROVIDE MEANS OF DISCONNECT PER NEC.

MECHANICAL EQUIPMENT 3φ, 3W COPPER CONDUCTOR SCHEDULE			
MOCP SIZE	CONDUITS NO.-SIZE	PHASE CONDUCTORS PER CONDUIT	GROUND CONDUCTORS PER CONDUIT
0-30A	1-.75"	3-#10 AWG	1-#10 CU AWG
31-60A	1-1"	3-#6 AWG	1-#10 CU AWG
61-85A	1-1.25"	3-#4 AWG	1-#8 CU AWG
86-100A	1-1.25"	3-#3 AWG	1-#8 CU AWG
101-115A	1-1.5"	3-#2 AWG	1-#6 CU AWG
116-130A	1-1.5"	3-#1 AWG	1-#6 CU AWG
131-150A	1-2"	3-#1/0 AWG	1-#6 CU AWG
151-175A	1-2"	3-#2/0 AWG	1-#6 CU AWG
176-200A	1-2"	3-#3/0 AWG	1-#6 CU AWG

NOTE: CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL REQUIREMENTS FOR MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.

MECHANICAL EQUIPMENT 1φ, 2W COPPER CONDUCTOR SCHEDULE			
MOCP SIZE	CONDUITS NO.-SIZE	PHASE CONDUCTORS PER CONDUIT	GROUND CONDUCTORS PER CONDUIT
0-30A	1-.75"	2-#10 AWG	1-#10 CU AWG
31-60A	1-1"	2-#6 AWG	1-#10 CU AWG
61-85A	1-1.25"	2-#4 AWG	1-#8 CU AWG
86-100A	1-1.25"	2-#3 AWG	1-#8 CU AWG
101-115A	1-1.5"	2-#2 AWG	1-#6 CU AWG
116-130A	1-1.5"	2-#1 AWG	1-#6 CU AWG
131-150A	1-2"	2-#1/0 AWG	1-#6 CU AWG
151-175A	1-2"	2-#2/0 AWG	1-#6 CU AWG
176-200A	1-2"	2-#3/0 AWG	1-#6 CU AWG

NOTE: CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL REQUIREMENTS FOR MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.

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DRAWING  
FIRST FLOOR MECHANICAL  
POWER PLANS

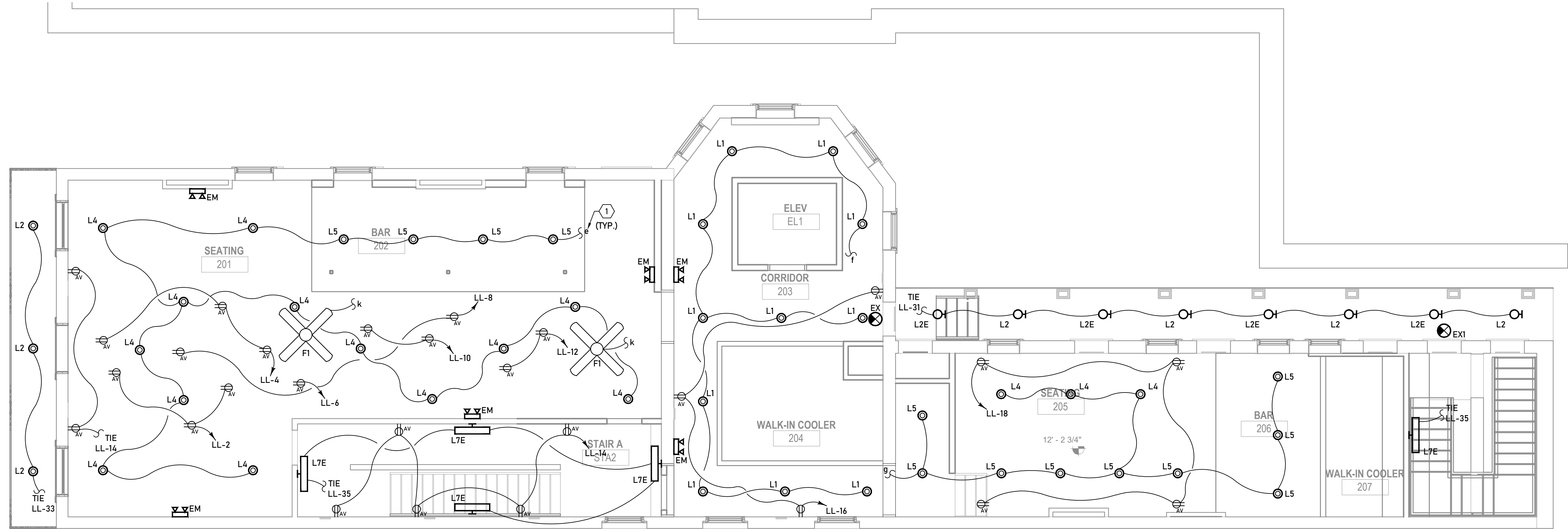
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SCALE AS SHOWN  
JOB No. 520087.00  
DATE 04.11.2022

Sheet No.

E120

2783 LAPALCO BLVD.  
HARVEY, LA 70058

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PROJECT No. 1714



1 SECOND FLOOR LIGHTING PLAN  
E200 SCALE: 3/16" = 1'

ELECTRICAL KEY NOTES

1. CONNECT TO ALPHABETICALLY SYMBOLIZED SWITCH TO INDICATED SWITCHED CIRCUIT. PROVIDE ENGRAVED PLATE FOR EACH SWITCH PER THE OWNER'S INSTRUCTIONS.

GENERAL LIGHTING NOTES:

1. VERIFY EXACT LOCATION OF ALL SWITCHES AND DIMMERS WITH THE OWNER OR ARCHITECT PRIOR TO INSTALLATION.
2. VERIFY EXACT MOUNTING LOCATION OF EMERGENCY FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.
3. ALL EMERGENCY, EXIT LIGHTS, EMERGENCY BATTERY PACKS AND NIGHT LIGHTS SHALL BE POWERED BY THE NEAREST UN-SWITCHED LIGHTING CIRCUIT IN THE ROOM, UNLESS NOTED OTHERWISE.
4. CONTRACTOR SHALL PROVIDE TWO (2) ADDITIONAL CONDUCTORS FOR EACH SWITCHED LIGHT CONTROLLED THROUGH A DIMMER SWITCH.
5. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE LIGHT FIXTURES WITH THE STRUCTURAL AND ARCHITECTURAL REFLECTED CEILING, ELEVATION, AND SECTION PLANS.
6. SEE GENERAL ELECTRICAL NOTES ON SHEET E000.



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-REVISIONS-

No.	Date	Scope

DRAWING  
SECOND FLOOR LIGHTING  
PLANS

DRAWING BY JCW  
SCALE AS SHOWN  
JOB No. 520087.00  
DATE 04.11.2022

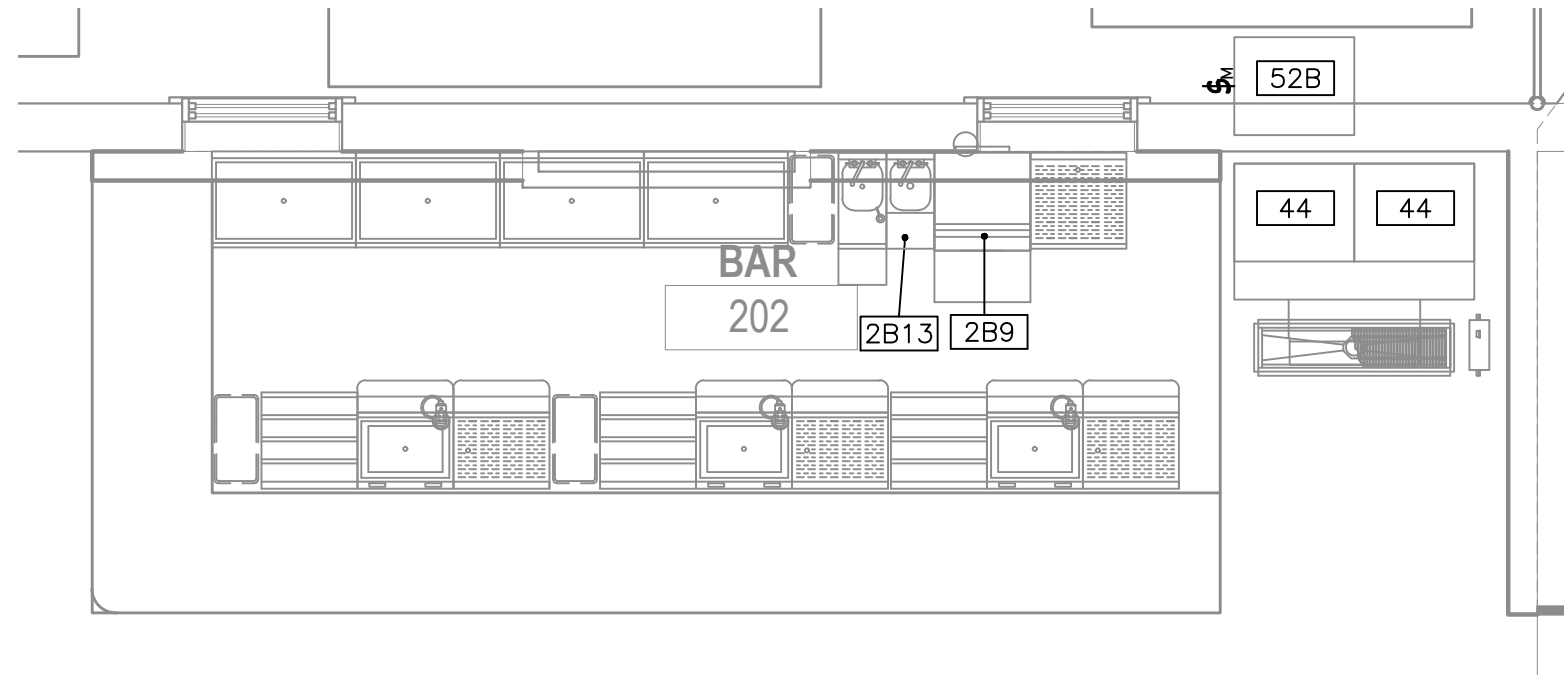
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**E200**

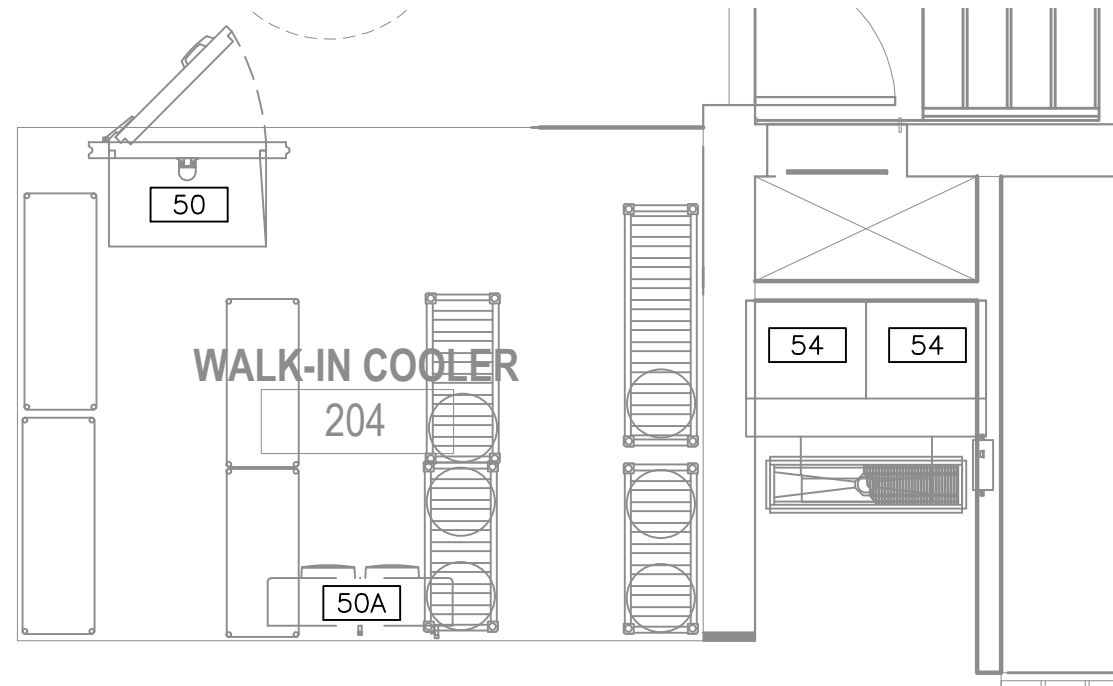
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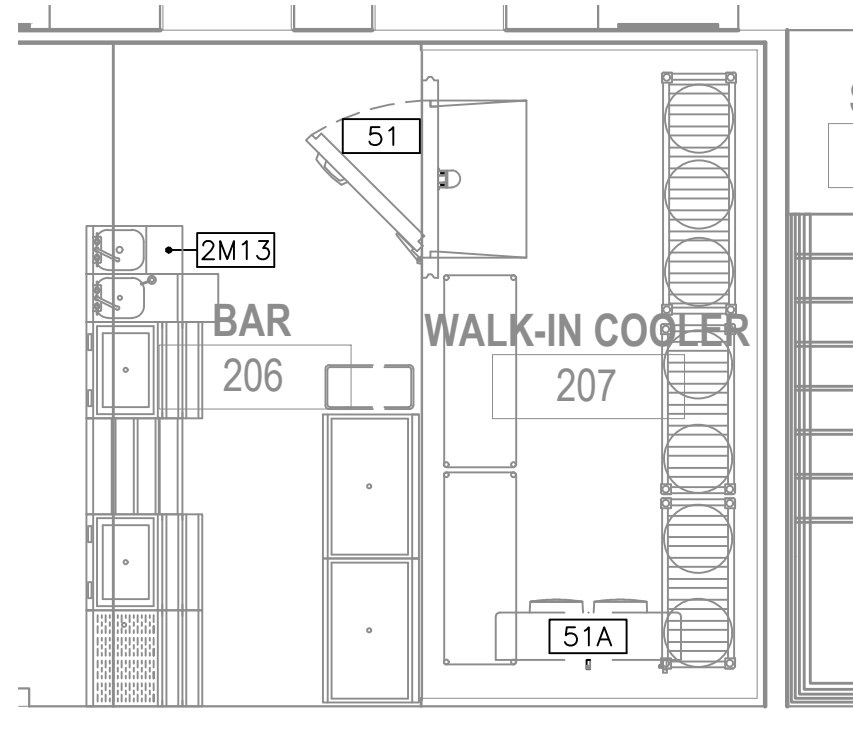




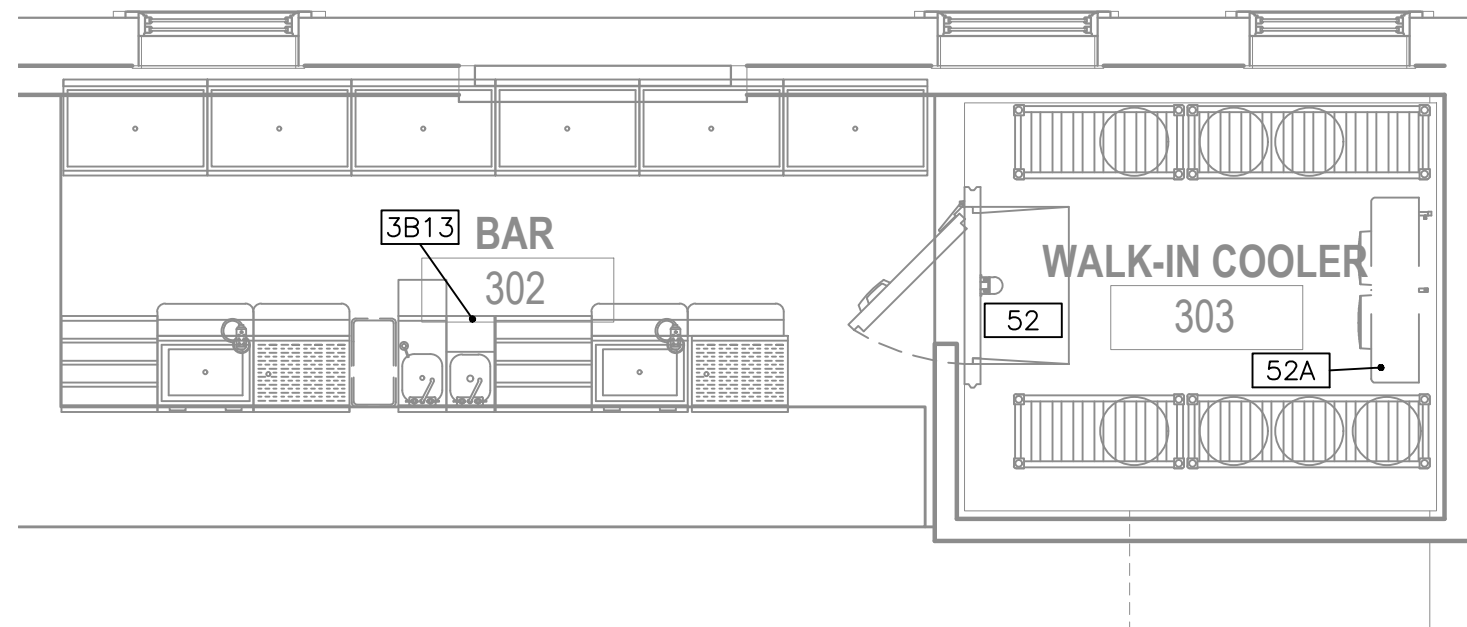
1 SECOND FLOOR BAR #1 POWER PLAN  
E211 SCALE: 3/16" = 1'



2 SECOND FLOOR WALK-IN COOLER POWER PLAN  
E211 SCALE: 3/16" = 1'



3 SECOND FLOOR BAR #2 POWER PLAN  
E211 SCALE: 3/16" = 1'



4 THIRD FLOOR BAR & COOLER POWER PLAN  
E211 SCALE: 1/4" = 1'

LEVEL TWO EQUIPMENT ELECTRICAL SCHEDULE												
ITEM #	VOLTS	PHASE	AMPS	KW	HP	DIRECT	PLUG	NEMA	ELEVATION AFF (IN)	CIRCUIT NUMBER	EQUIPMENT CATEGORY	ELECTRICAL REMARKS
44	208-230	1	11.0	-	-	X	-	-	72"	LP2-24,26 LP2-35,37	ICE MAKER	-
44C	208-230	1	1.0	-	-	X	-	-	ROOF	LP1-16,18	REMOTE CONDENSER	VERIFY LOCATION OF UNIT
50	120	1	1.0	-	-	X	-	-	108"	LP1-5	WALK-IN COOLER	REFER TO MANUFACTURER'S DRAWINGS
50A	115	1	2.7	-	-	X	-	-	108"	LP1-7	WALK-IN COOLER REFRIGERATION COIL	REFER TO MANUFACTURER'S DRAWINGS
50B	208-230	1	15.0	-	1.5	X	-	-	ROOF	LP1-9,11	WALK-IN COOLER CONDENSING UNIT	REFER TO MANUFACTURER'S DRAWINGS
51	120	1	1.0	-	-	X	-	-	108"	LP1-4	WALK-IN COOLER	REFER TO MANUFACTURER'S DRAWINGS
51A	115	1	2.7	-	-	X	-	-	108"	LP1-6	WALK-IN COOLER REFRIGERATION COIL	REFER TO MANUFACTURER'S DRAWINGS
51B	208-230	1	15.0	-	1.5	X	-	-	ROOF	LP1-8,10 LP1-16,18	WALK-IN COOLER CONDENSING UNIT	REFER TO MANUFACTURER'S DRAWINGS
54	208-230	1	19.3	-	-	X	-	-	72"	LP1-20,22	ICE MAKER	-
54A	208-230	1	1.0	-	-	X	-	-	ROOF	LP1-1,3	REMOTE CONDENSER	VERIFY LOCATION OF UNIT
ECO	120	1	20.0	-	-	-	X	5-15	48"	-	CONVENIENCE OUTLET	VERIFY REQUIREMENTS, BY GC

LEVEL TWO BAR EQUIPMENT ELECTRICAL SCHEDULE												
ITEM #	VOLTS	PHASE	AMPS	KW	HP	DIRECT	PLUG	NEMA	ELEVATION AFF (IN)	CIRCUIT NUMBER	EQUIPMENT CATEGORY	ELECTRICAL REMARKS
2B9	115	1	12.0	0.75	1.0	X	-	-	12"	LP2-20	GLASSWASHER	-
2B13	120	1	20.0	-	-	X	-	-	12"	LP2-22	BLENDER STATION	BTC OUTLET ON UNIT FOR BLENDER

LEVEL TWO MINI BAR EQUIPMENT ELECTRICAL SCHEDULE												
ITEM #	VOLTS	PHASE	AMPS	KW	HP	DIRECT	PLUG	NEMA	ELEVATION AFF (IN)	CIRCUIT NUMBER	EQUIPMENT CATEGORY	ELECTRICAL REMARKS
2M13	120	1	20.0	-	-	X	-	-	12"	LP1-24	BLENDER STATION	BTC OUTLET ON UNIT FOR BLENDER

LEVEL THREE EQUIPMENT ELECTRICAL SCHEDULE												
ITEM #	VOLTS	PHASE	AMPS	KW	HP	DIRECT	PLUG	NEMA	ELEVATION AFF (IN)	CIRCUIT NUMBER	EQUIPMENT CATEGORY	ELECTRICAL REMARKS
52	120	1	1.0	-	-	X	-	-	108"	LP2-1	WALK-IN COOLER	REFER TO MANUFACTURER'S DRAWINGS
52A	115	1	2.7	-	-	X	-	-	108"	LP2-3	WALK-IN COOLER REFRIGERATION COIL	REFER TO MANUFACTURER'S DRAWINGS
52B	208-230	1	15.0	-	1.5	X	-	-	ROOF	LP2-5,7	WALK-IN COOLER CONDENSING UNIT	REFER TO MANUFACTURER'S DRAWINGS
ECO	120	1	20.0	-	-	-	X	5-15	48"	-	CONVENIENCE OUTLET	VERIFY REQUIREMENTS, BY GC

LEVEL THREE BAR EQUIPMENT ELECTRICAL SCHEDULE												
ITEM #	VOLTS	PHASE	AMPS	KW	HP	DIRECT	PLUG	NEMA	ELEVATION AFF (IN)	CIRCUIT NUMBER	EQUIPMENT CATEGORY	ELECTRICAL REMARKS
SB13	120	1	20.0	-	-	X	-	-	12"	LP2-9	BLENDER STATION	BTC OUTLET ON UNIT FOR BLENDER



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-REVISIONS-

No.	Date	Scope

DRAWING  
SECOND & THIRD FLOOR  
ENLARGED BAR POWER PLANS

DRAWING BY JCW  
SCALE AS SHOWN  
JOB No. 520087.00  
DATE 04.11.2022

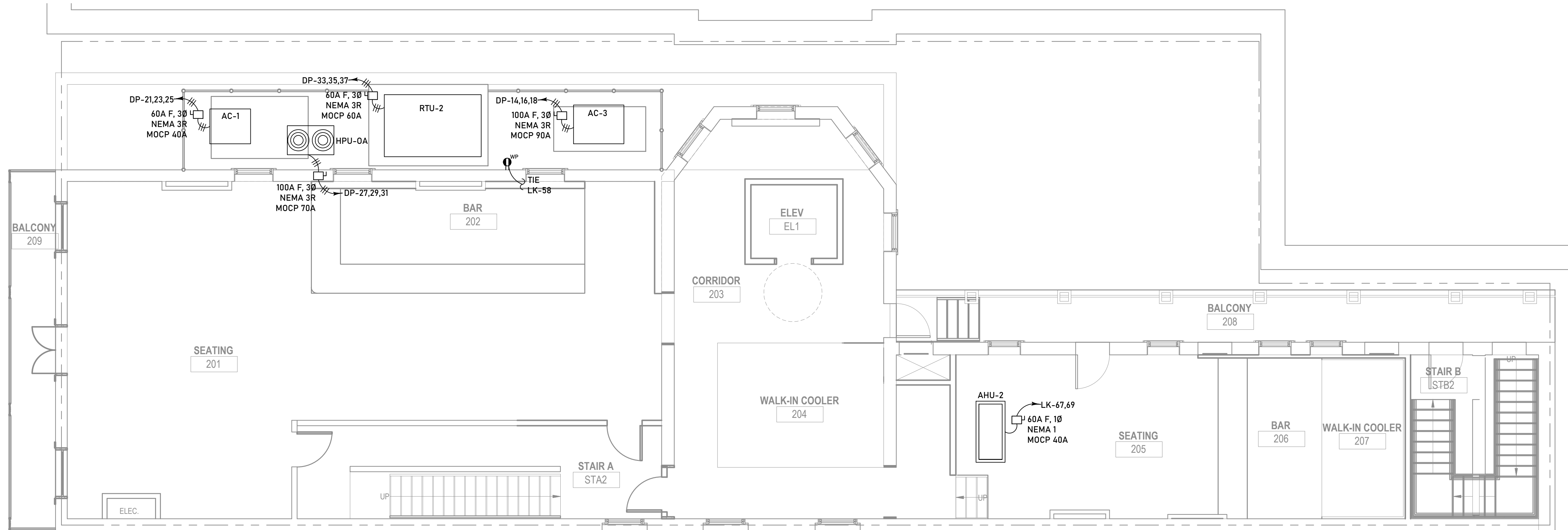
Sheet No.

E211



2783 LAPALCO BLVD.  
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(504) 875-2121  
PROJECT No. 1714



1 SECOND FLOOR MECHANICAL POWER PLAN  
E220 SCALE: 3/16" = 1'

MECHANICAL EQUIPMENT 3φ, 3W COPPER CONDUCTOR SCHEDULE			
MOCP SIZE	CONDUITS NO.-SIZE	PHASE CONDUCTORS PER CONDUIT	GROUND CONDUCTORS PER CONDUIT
0-30A	1-.75"	3-#10 AWG	1-#10 CU AWG
31-60A	1-1"	3-#6 AWG	1-#10 CU AWG
61-85A	1-1.25"	3-#4 AWG	1-#8 CU AWG
86-100A	1-1.25"	3-#3 AWG	1-#8 CU AWG
101-115A	1-1.5"	3-#2 AWG	1-#6 CU AWG
116-130A	1-1.5"	3-#1 AWG	1-#6 CU AWG
131-150A	1-2"	3-#1/0 AWG	1-#6 CU AWG
151-175A	1-2"	3-#2/0 AWG	1-#6 CU AWG
176-200A	1-2"	3-#3/0 AWG	1-#6 CU AWG

NOTE: CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL REQUIREMENTS FOR MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.

MECHANICAL EQUIPMENT 1φ, 2W COPPER CONDUCTOR SCHEDULE			
MOCP SIZE	CONDUITS NO.-SIZE	PHASE CONDUCTORS PER CONDUIT	GROUND CONDUCTORS PER CONDUIT
0-30A	1-.75"	2-#10 AWG	1-#10 CU AWG
31-60A	1-1"	2-#6 AWG	1-#10 CU AWG
61-85A	1-1.25"	2-#4 AWG	1-#8 CU AWG
86-100A	1-1.25"	2-#3 AWG	1-#8 CU AWG
101-115A	1-1.5"	2-#2 AWG	1-#6 CU AWG
116-130A	1-1.5"	2-#1 AWG	1-#6 CU AWG
131-150A	1-2"	2-#1/0 AWG	1-#6 CU AWG
151-175A	1-2"	2-#2/0 AWG	1-#6 CU AWG
176-200A	1-2"	2-#3/0 AWG	1-#6 CU AWG

NOTE: CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL REQUIREMENTS FOR MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.



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-REVISIONS-

No.	Date	Scope

DRAWING  
SECOND FLOOR MECHANICAL  
POWER PLANS

DRAWING BY JCW  
SCALE AS SHOWN  
JOB No. 520087.00  
DATE 04.11.2022

Sheet No.

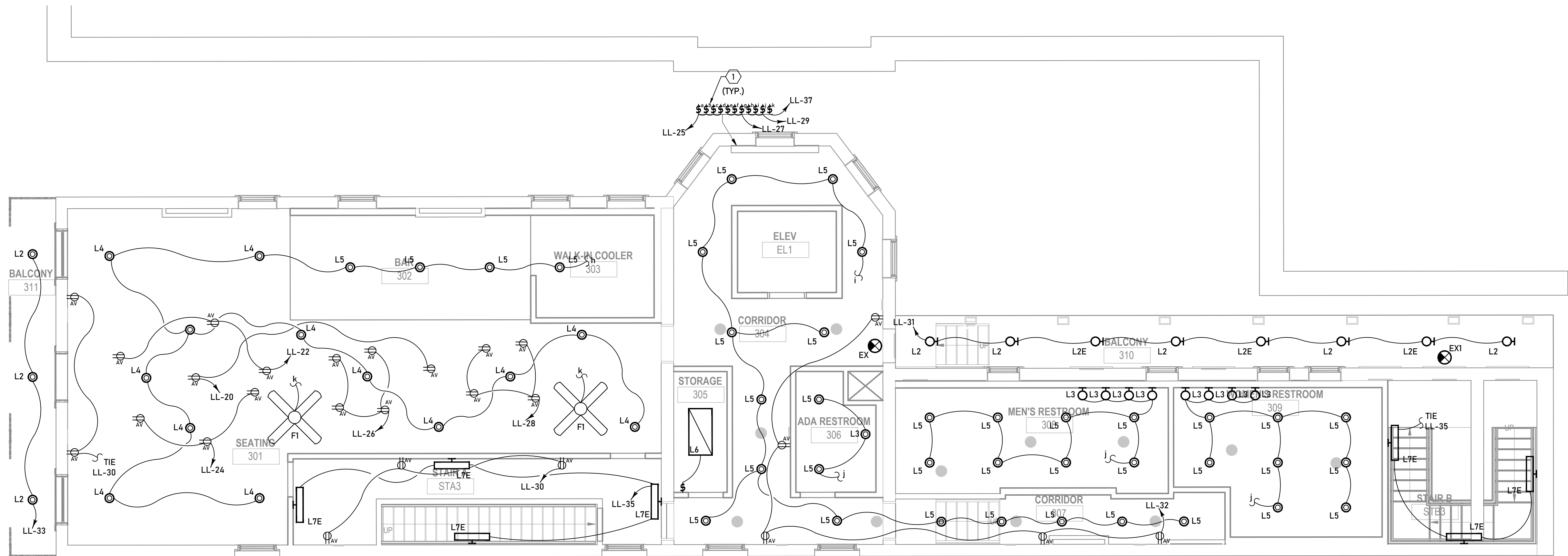
E220



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PROJECT No. 1714





1 THIRD FLOOR LIGHTING PLAN  
E300 SCALE: 3/16" = 1'

### ELECTRICAL KEY NOTES

- CONNECT TO ALPHABETICALLY SYMBOLIZED SWITCH TO INDICATED SWITCHED CIRCUIT. PROVIDE ENGRAVED PLATE FOR EACH SWITCH PER THE OWNER'S INSTRUCTIONS.

### GENERAL LIGHTING NOTES:

- VERIFY EXACT LOCATION OF ALL SWITCHES AND DIMMERS WITH THE OWNER OR ARCHITECT PRIOR TO INSTALLATION.
- VERIFY EXACT MOUNTING LOCATION OF EMERGENCY FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.
- ALL EMERGENCY, EXIT LIGHTS, EMERGENCY BATTERY PACKS AND NIGHT LIGHTS SHALL BE POWERED BY THE NEAREST UN-SWITCHED LIGHTING CIRCUIT IN THE ROOM, UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PROVIDE TWO (2) ADDITIONAL CONDUCTORS FOR EACH SWITCHED LIGHT CONTROLLED THROUGH A DIMMER SWITCH.
- CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE LIGHT FIXTURES WITH THE STRUCTURAL AND ARCHITECTURAL REFLECTED CEILING, ELEVATION, AND SECTION PLANS.
- SEE GENERAL ELECTRICAL NOTES ON SHEET E000.



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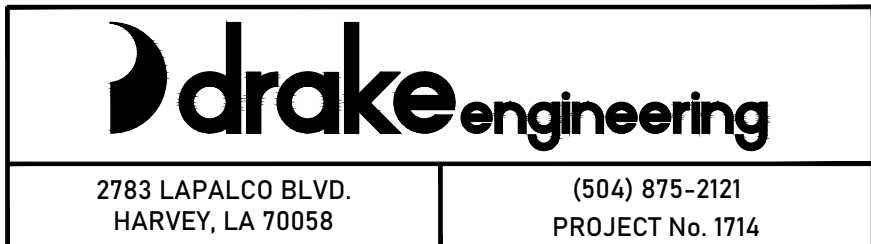
No.	Date	Scope

DRAWING  
THIRD FLOOR LIGHTING  
PLANS

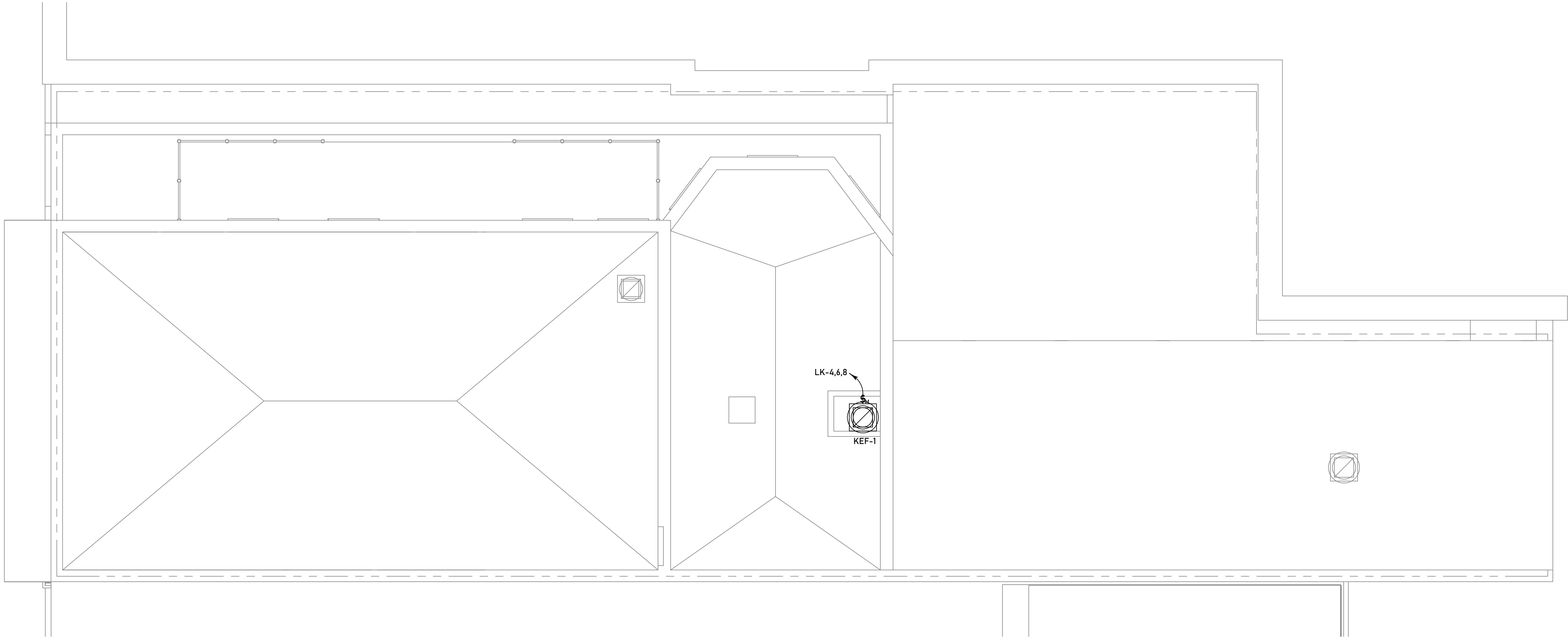
DRAWING BY JCW  
SCALE AS SHOWN  
JOB No. 520087.00  
DATE 04.11.2022

Sheet No.

**E300**







1 ROOF MECHANICAL POWER PLAN  
E321 SCALE: 3/16" = 1'

MECHANICAL EQUIPMENT 3φ, 3W COPPER CONDUCTOR SCHEDULE			
MOCP SIZE	CONDUITS NO.-SIZE	PHASE CONDUCTORS PER CONDUIT	GROUND CONDUCTORS PER CONDUIT
0-30A	1-.75"	3-#10 AWG	1-#10 CU AWG
31-60A	1-1"	3-#6 AWG	1-#10 CU AWG
61-85A	1-1.25"	3-#4 AWG	1-#8 CU AWG
86-100A	1-1.25"	3-#3 AWG	1-#8 CU AWG
101-115A	1-1.5"	3-#2 AWG	1-#6 CU AWG
116-130A	1-1.5"	3-#1 AWG	1-#6 CU AWG
131-150A	1-2"	3-#1/0 AWG	1-#6 CU AWG
151-175A	1-2"	3-#2/0 AWG	1-#6 CU AWG
176-200A	1-2"	3-#3/0 AWG	1-#6 CU AWG

NOTE: CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL REQUIREMENTS FOR MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.

MECHANICAL EQUIPMENT 1φ, 2W COPPER CONDUCTOR SCHEDULE			
MOCP SIZE	CONDUITS NO.-SIZE	PHASE CONDUCTORS PER CONDUIT	GROUND CONDUCTORS PER CONDUIT
0-30A	1-.75"	2-#10 AWG	1-#10 CU AWG
31-60A	1-1"	2-#6 AWG	1-#10 CU AWG
61-85A	1-1.25"	2-#4 AWG	1-#8 CU AWG
86-100A	1-1.25"	2-#3 AWG	1-#8 CU AWG
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131-150A	1-2"	2-#1/0 AWG	1-#6 CU AWG
151-175A	1-2"	2-#2/0 AWG	1-#6 CU AWG
176-200A	1-2"	2-#3/0 AWG	1-#6 CU AWG

NOTE: CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL REQUIREMENTS FOR MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.



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-REVISIONS-

No.	Date	Scope

DRAWING  
ROOF MECHANICAL POWER  
PLANS

DRAWING BY JCW  
SCALE AS SHOWN  
JOB No. 520087.00  
DATE 04.11.2022

Sheet No.

E321



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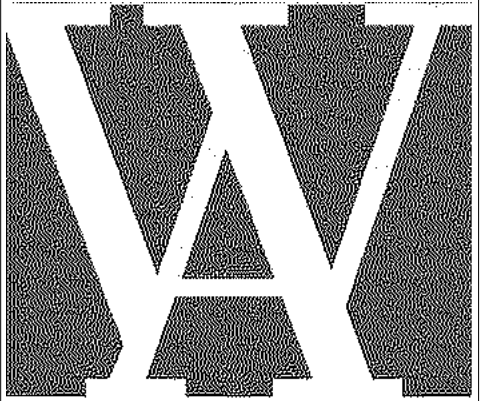
SINGLE-ZONE VAV PACKAGED ROOFTOP UNIT SCHEDULE WITH HOT GAS REHEAT (SZ-VAV)																					
TAG	TOT CFM	MAX OA CFM	ESP	SERVES	SUPPLY		HEIGHT	COOLING COIL*				ELECTRIC HEATING SECTION			ELEC VOLT/PH	UNIT MCA	UNIT MOCP	AIRFLOW	TRANE MODEL NUMBER	ADDITIONAL NOTES	
					CFM	TOT MBH		ENT AIR °F (DB)	ENT AIR °F (WB)	LVG AIR °F (DB)	LVG AIR °F (WB)	KW	STAGES	LVG TEMP							
RTU-2	3400	800	1.25"	SECOND FLOOR	3400	104.0	1200	75.9		68.3	55.0	55.0	18.0	2	76.6°F	208/3	65.0	70	HORIZ.	THC102F3	SEE BELOW
NOTE: UNITS SHALL BE MANUFACTURED BY TRANE, AM, STD., CARRIER, JCI/YORK, LENNOX, AAO, OR APPROVED SUBSTITUTE, AND SHALL INCLUDE ACCESSORY ROOF CURB, PROGRAMMABLE THERMOSTAT, AND INTEGRATED MOTORIZED OA DAMPER FOR ISOLATION. NOTE: UNITS SHALL COME EQUIPPED WITH FACTORY-FURNISHED AND INSTALLED SUPPLY AIR AND RETURN AIR SMOKE DETECTORS, DOUBLE-SLOPED IAQ DRAIN PAN, CONDENSER HAIL GUARD, DUAL COMPRESSOR, AND ROOF CURB. NOTE: UNIT SHALL OPERATE IN SZ-CAV MODE. UNIT INCLUDES HOT GAS REHEAT WITH ONBOARD DEHUMIDIFICATION CONTROLS. MODULATE OA DAMPER TO MAINTAIN CONSTANT OA FLOW AS TOTAL UNIT AIRFLOW DELIVERY MODULATES IN VAV MODE.																					

DAMIEN W. SERAUSKAS, P.E.

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-REVISIONS-		
No.	Date	Scope
1	06/02/22	MECH REV'S
2	06/24/22	PERMIT SET

DRAWING MECHANICAL LEGEND AND SCHEDULES	
DRAWING BY	DWS
SCALE	AS NOTED
JOB No.	520087.00
DATE	06.24.2022
Sheet No.	

M100

ABBREVIATIONS		SYMBOLS	
ABV	ABOVE		FIRE DAMPER
AFF	ABOVE FINISHED FLOOR		COMBINATION FIRE/SMOKE DAMPER
AIR	MEDICAL OR COMPRESSED AIR		ACCESS PANEL
BDD	BACKDRAFT DAMPER		SPIN-IN DUCT FITTING
BFP	BACKFLOW PREVENTER		FLEX RUNOUT FROM SPIN-IN FITTING (MIN R-VALUE OF 6.0)
BLW	BELOW		CEILING DIFFUSER - TITUS TDCA OR EQUAL
BOD	BOTTOM OF DUCT		RETURN AIR GRILL - TITUS 50 OR EQUAL
BOP	BOTTOM OF PIPE		45 DEG BRANCH TAKEOFF WITH DAMPER
CAP	CAPACITY		PIPE DOWN
CDR	CONDENSER WATER RETURN		PIPE UP
CDS	CONDENSER WATER SUPPLY		ISOLATION VALVE (PIPING)
COND	CONDENSATE (STEAM)		ELBOW WITH TURNING VANES
CD	CEILING DIFFUSER		
CFM	CUBIC FEET PER MINUTE		
CLG	CEILING OR COOLING (CONTEXT)		
CO	CLEANOUT		
CONT	CONTINUOUS OR CONTINUATION (CONTEXT)		
CH	DOMESTIC COLD WATER		
CWR	CHILLED WATER RETURN		
CWS	CHILLED WATER SUPPLY		
DB	DRY BULB (TEMP)		
DEG	DEGREES		
DN	DOWN		
DWS	DRAINING		
ELEC	ELECTRIC OR ELECTRICAL (CONTEXT)		
ESP	EXTERNAL STATIC PRESSURE		
EWT	ENTERING WATER TEMP		
EXIST	EXISTING		
EXST	EXISTING		
FD	FLOOR DRAIN (PLUMBING); FIRE DAMPER (HVAC)		
FDC	FIRE DEPARTMENT CONNECTION		
FRM	FILTER RETURN GRILL		
FRG	FEET PER MINUTE		
FT	FEET		
GPM	GALLONS PER MINUTE		
HB	HOSE BIBB		
HP	HORSEPOWER		
HTG	HEATING		
HUB	HUB DRAIN		
HW	DOMESTIC HOT WATER		
HWIR	DOMESTIC HOT WATER RETURN		
HZ	HERTZ (FREQUENCY)		
IN	INCHES		
INCL	INCLUDES, INCLUDING (CONTEXT)		
KW	KILOWATT		
LAT	LEAVING AIR TEMP		
LWT	LEAVING WATER TEMP		
MBH	THOUSAND BTUH		
MECH	MECHANICAL		
MFR	MANUFACTURER		
MIN	MINUTE(S); MINIMUM (CONTEXT)		
MTD	MOUNTED		
NTS	NOT TO SCALE		
O2	OXYGEN		
PC	PUMPED CONDENSATE		
PD	PRESSURE DROP		
PLBG	PLUMBING		
PSI	POUNDS PER SQUARE INCH (PRESSURE)		
PRV	PRESSURE REDUCING VALVE		
PSIG	PSI (GAUGE PRESSURE)		
RD	ROOF DRAIN		
RG	REQUIRED		
REQD	RETURN GRILL		
RPM	REVOLUTIONS PER MINUTE		
SEC	SECONDS		
SENS	SENSIBLE		
SP	STATIC PRESSURE		
ST / STM	STEAM (125#)		
ST80	STEAM (80#)		
SQ FT	SQUARE FOOT/FEET (AREA)		
SWS	SIDEWALL GRILL / REGISTER		
TEMP	TEMPERATURE		
THRU	THROUGH		
TYP	TYPICAL		
VAC	VACUUM		
VTR	VERTICAL		
W	VENT THROUGH ROOF		
W/	WITH		
W/O	WITHOUT		
WB	WET BULB (TEMP)		
WG	WATER GAUGE (PRESSURE)		
WPD	WATER PRESSURE DROP		
WSPH	WATER SOURCE HEAT PUMP		

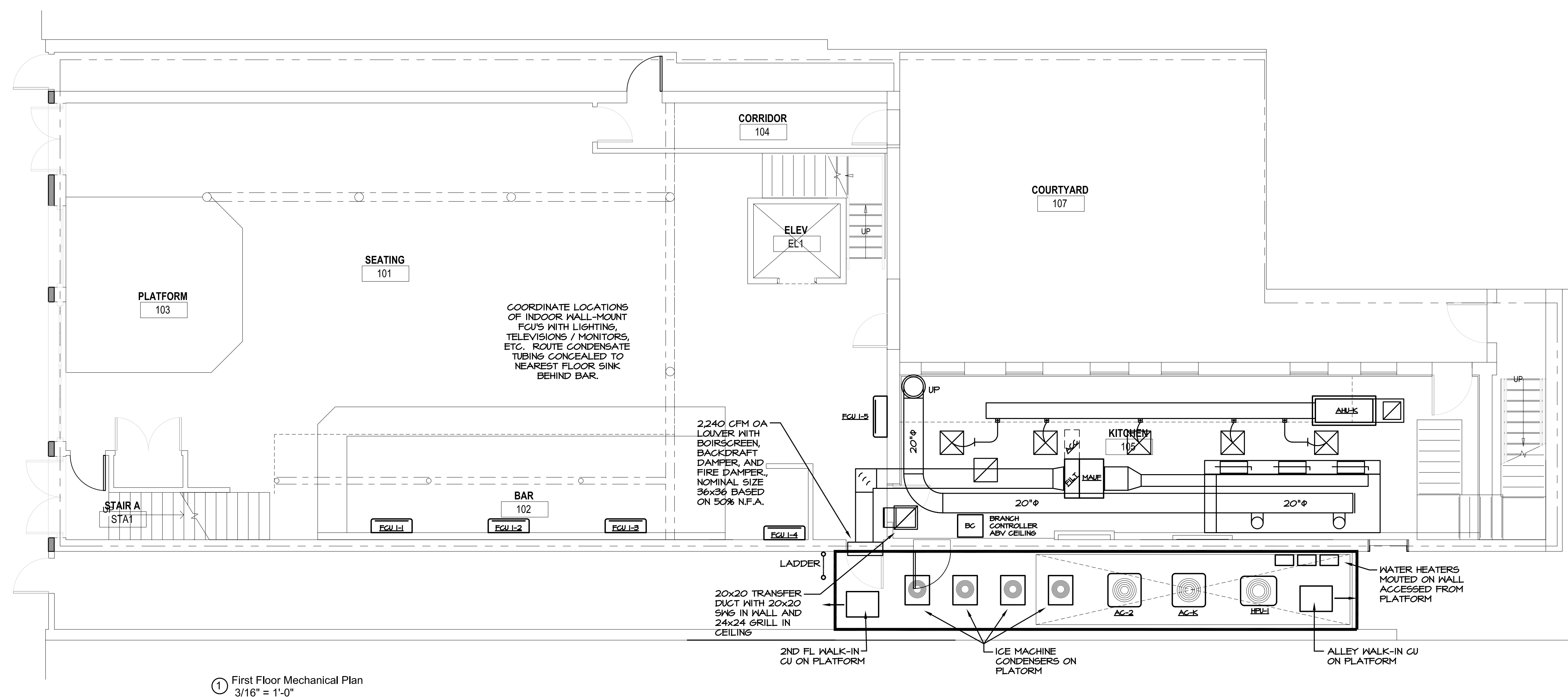
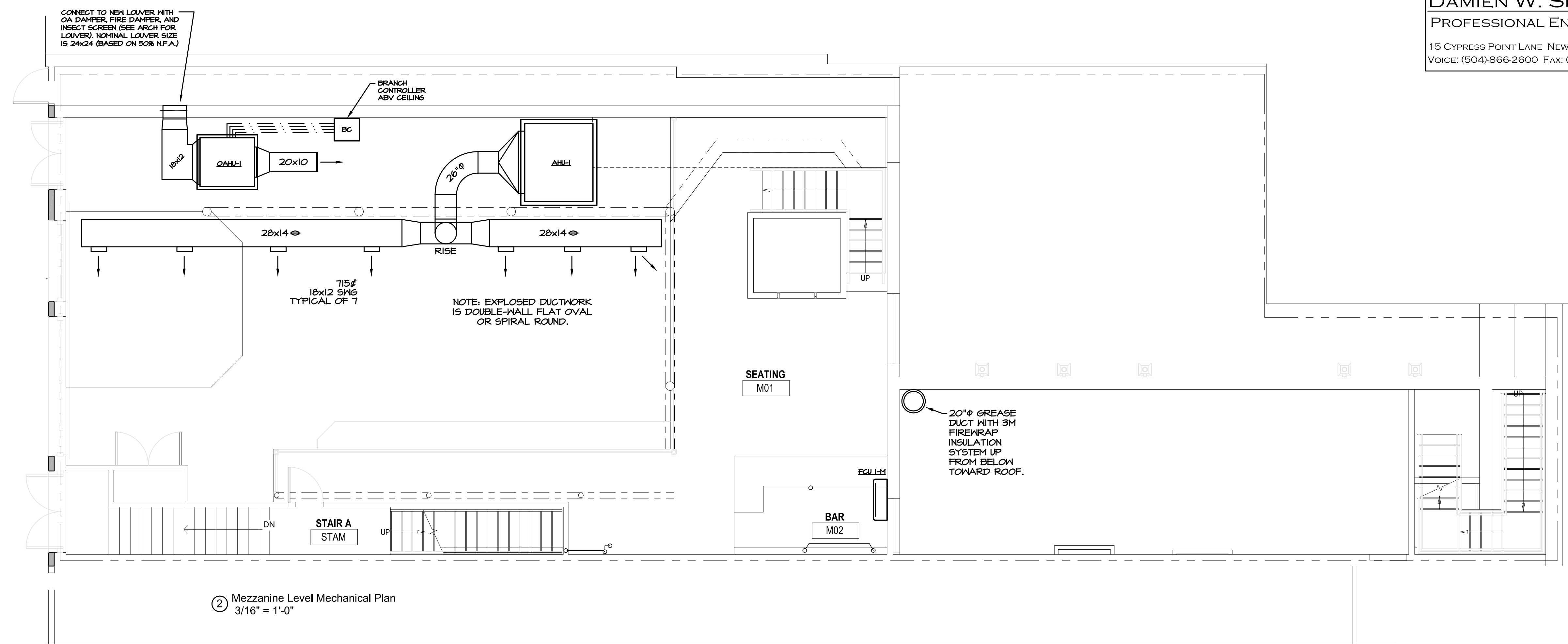
EXHAUST FAN SCHEDULE										
TAG	CFM	ESP	TYPE	HP	DRIVE	ELEC	LOCATION	SERVES	GREENHECK MODEL	REMARKS
TEF-1	800	0.375"	INLINE	1/4	DIR	120	3RD FL	RR	SQ-120-V6	OPERATE CONTINUOUSLY WITH AHU-3 ENABLED
EF-AV	600	0.20"	CEILING	FRAGT	DIR	120	3RD FL	AV	SPA-100	OPERATE CONTINUOUSLY
NOTE: PROVIDE ACCESSORY BACKDRAFT DAMPER SLOPED ROOF CURB, AND SOLID STATE SPEED CONTROL. NOTE: EQUIVALENT BY COOK OR SFP IS ACCEPTABLE.										

VRF SYSTEM SCHEDULE																
TAG	MEH COOL	MEH HEAT	MIN. SEER	VOLT	PH	INDR. MOCP	TYPE	NOM. TONS	INDOOR ELEC	FCU MCA	FCU MOCP	HPU LOCATION	TAG	HPU MCA	HPU MOCP	OUTDOOR ELEC
FCU I-1	12.0	12.0	13.0	208	1Ø	15	WALL-MT	1.0	24 VDC	.76	15	ALLEY	HPU-1	24.0	40	208/3
FCU I-2	12.0	12.0	13.0	208	1Ø	15	WALL-MT	1.0	24 VDC	.76	15					
FCU I-3	12.0	12.0	13.0	208	1Ø	15	WALL-MT	1.0	24 VDC	.76	15					
FCU I-4	12.0	12.0	13.0	208	1Ø	15	WALL-MT	1.0	24 VDC	.76	15					
FCU I-5	12.0	12.0	13.0	208	1Ø	15	WALL-MT	1.0	24 VDC	.76	15					
FCU I-M	12.0	12.0	13.0	208	1Ø	15	WALL-MT	1.0	24 VDC	.76	15					
NOTE: COORDINATE LOCATION OF INDOOR UNITS, CONDENSATE TUBING ROUTING, ELECTRICAL CONNECTIONS, ETC. WITH INTERIOR ELEVATIONS. NOTE: APPROVED EQUALS INCLUDE DAIKIN, SAMSUNG, AND LG. NOTE: PROVIDE BC CONTROLLERS, INTERCONNECTING PIPING, CONTROLLERS, AND ACCESSORIES FOR COMPLETE SYSTEM.																

SPLIT SYSTEM AC UNIT SCHEDULE																
INDOOR UNIT											OUTDOOR UNIT					EFFICIENCY
TAG	CFM	OA CFM	NOM TONS	ELEC	HP	MCA	MOCP	ESP	TRANE MODEL	DUCT HEATER	TAG	NOM TONS	VOLT/HZ/PHASE	MCA	MOCP	MIN EER (SEER)
OAHU-1	1200	1200	10	208/1	--	3.99	15.0	0.75"	TPEFYPI20AR	--	HPU-OA	10	208/60/3	43.0	70	12.1
AHU-1	5000	-0-	12.5	208/3	2.0	85.0	90	1.25"	TNEOI5043B	22.4 KW	AC-1	12.5	208-230/60/3	55.0	70	11.2
AHU-2	1600	80	4.0	208/3	1/2	31.0	35	0.70"	TAM9A-048	7.5 KW	AC-2	4.0	208-230/60/3	18.0	30	17.0
AHU-K	2000	-0-	5.0	208/3	3/4	31.0	35	0.50"	TAM9A-060	7.5 KW	AC-K	5.0	208-230/60/3	22.0	35	17.0
AHU-3	5000	850	15.0	208/3	3.0	102.0	110	1.25"	TNEI8043B	30.0 KW	AC-3	15.0	208-230/60/3	66.0	90	11.2
NOTE: PROVIDE REQUIRED REFRIGERANT PIPING PER MANUFACTURER'S SIZING AND ROUTING GUIDELINES. NOTE: COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT. NOTE: MODEL NUMBERS ARE SUBJECT TO CHANGE. UTILIZE RATED AND MATCHED EQUIPMENT, SELECTED BY THE MANUFACTURER TO PERFORM AT THE CAPACITY SCHEDULED. NOTE: SPLIT SYSTEMS SHALL UTILIZE R410A REFRIGERANT, AND SHALL INCLUDE REQUIRED ACCESSORIES (TXV'S, ETC) TO MEET EFFICIENCY REQUIREMENTS SCHEDULED. NOTE: OAHU-1 SYSTEM REQUIRES A SEPARATE MODEL TCMBG01065JIN4 BC CONTROLLER FOR HEAT RECOVERY, 208-230/1Ø, 0.55 MCA, 15.0 MOCP. NOTE: EACH SYSTEM REQUIRES SEPARATE THERMOSTAT CONTROLLER WITH HUMIDITY SENSING AND DEHUMIDIFICATION CAPABILITIES.																

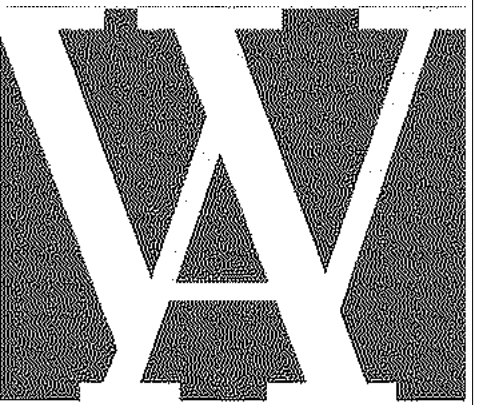
AIR DEVICE SCHEDULE				
TAG	CFM	SIZE	TITUS MODEL	REMARKS
CD-K	50-99	6"Ø	PAS-AA	--
SW6	100-199	8"Ø	CT-480	--
SW6	200-300	10"Ø	CT-480	--
SW6	300-500	12"Ø	CT-480	--
SW6	500-750	14"Ø	CT-480	--
RG/FRG	ALL	AS NOTED	300/350F	--
TG	ALL	AS NOTED	50	--
CD	50-99	6"Ø	TDCA	--
CD	100-199	8"Ø	TDCA	--
CD	200-300	10"Ø	TDCA	--
CD	300-500	12"Ø	TDCA	--
CD	500-750	14"Ø	TDCA	--
PROVIDE ROUND NECK ADAPTERS ON ALL SUPPLY DIFFUSERS PROVIDE ALUMINUM CONSTRUCTION IN ALL BATHROOM AREAS. FURNISH WITH INTEGRAL OBVD'S, OPERABLE FROM FACE (SUPPLY ONLY) PROVIDE INSULATED PLENUM FOR SW6 MODELS. NOTE: MAX LENGTH OF FLEXIBLE DUCTWORK IS 8'-0" (MIN. R-6.0)				





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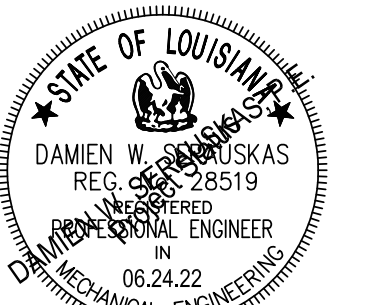
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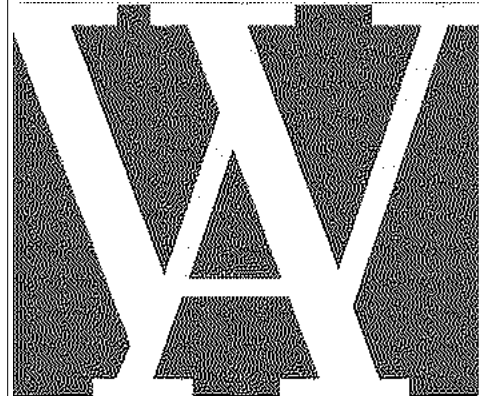
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-REVISIONS-		
No.	Date	Scope
1	06/02/22	MECH REV'S
2	06/24/22	PERMIT SET

DRAWING  
FIRST FLOOR  
MECHANICAL PLAN

DRAWING BY	DWS
SCALE	AS NOTED
JOB No.	520087.00
DATE	06.24.2022
Sheet No.	

# M101



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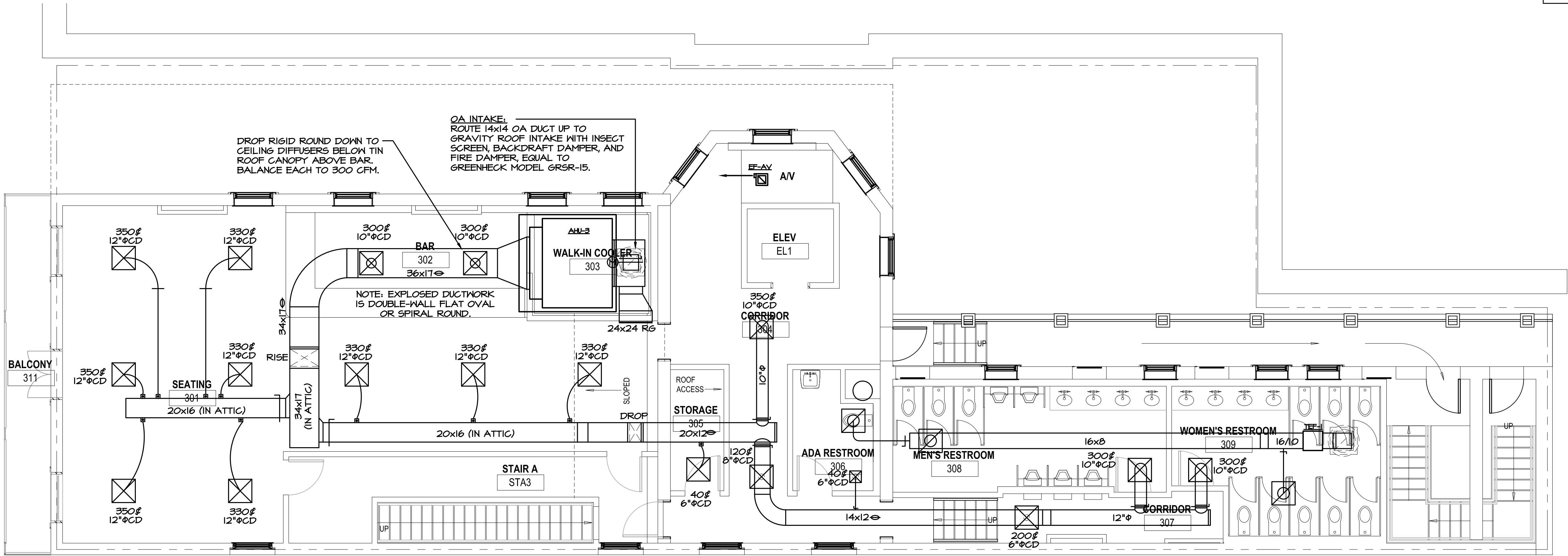
-REVISIONS-

No.	Date	Scope
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2	06/24/22	PERMIT SET

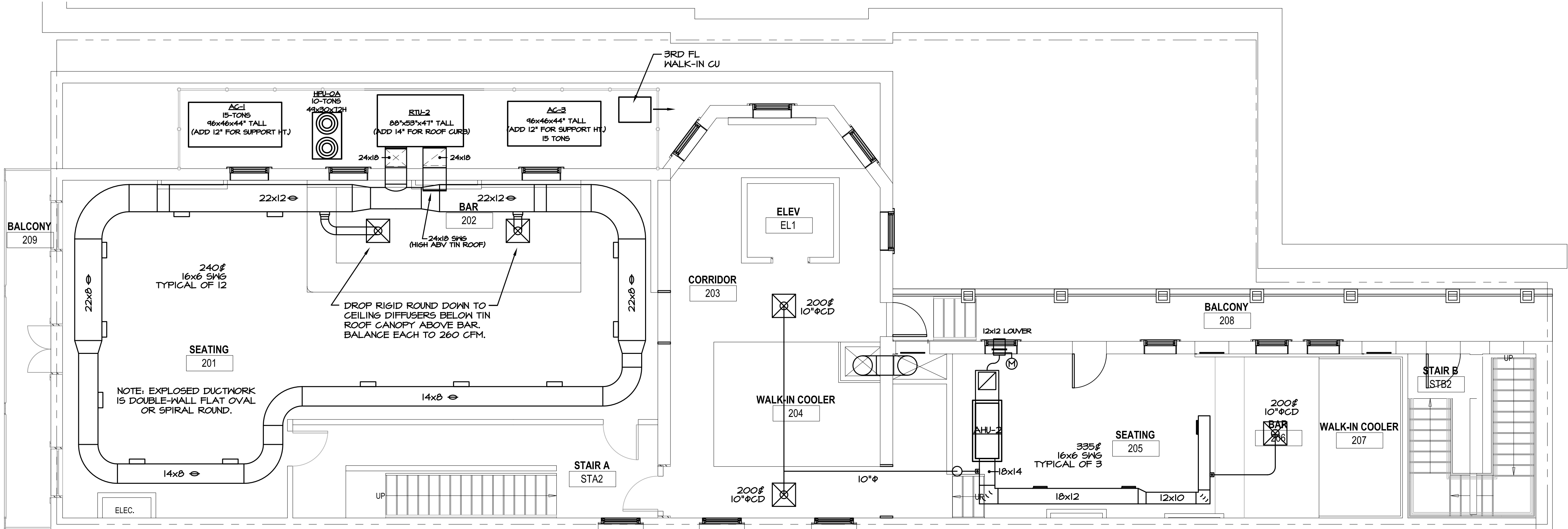
DRAWING  
SECOND FLOOR  
MECHANICAL PLAN

DRAWING BY DWS  
SCALE AS NOTED  
JOB No. 520087.00  
DATE 06.24.2022  
Sheet No.

M102



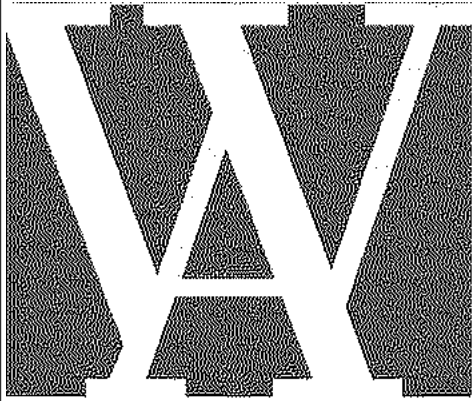
② Third Floor Mechanical Plan  
3/16" = 1'-0"



① Second Floor Mechanical Plan  
3/16" = 1'-0"



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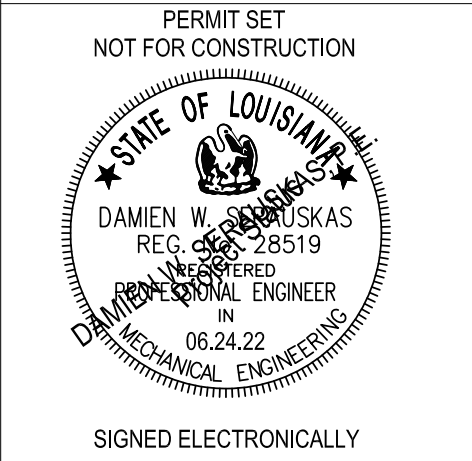


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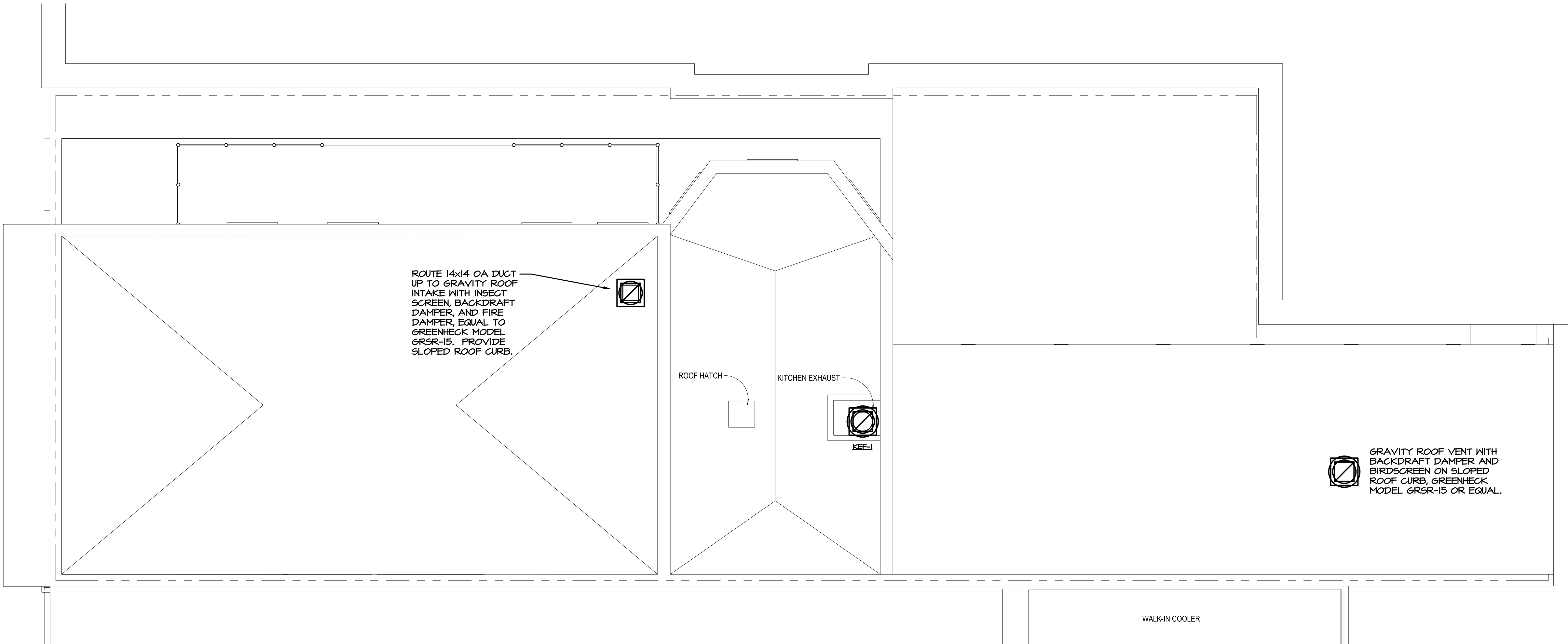
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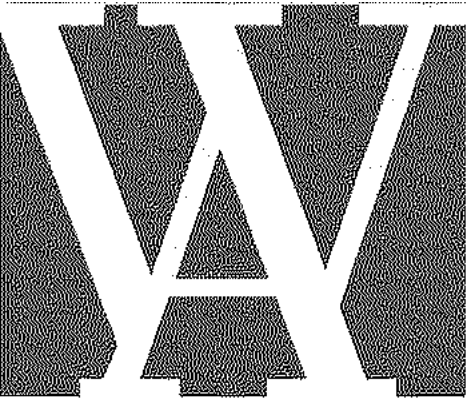
-REVISIONS-		
No.	Date	Scope
1	06/02/22	MECH REV'S
2	06/24/22	PERMIT SET

DRAWING  
THIRD FLOOR  
MECHANICAL PLAN  
  
DRAWING BY DWS  
SCALE AS NOTED  
JOB No. 520087.00  
DATE 06.24.2022  
Sheet No.

M103



① Mechanical Roof Plan  
3/16" = 1'-0"



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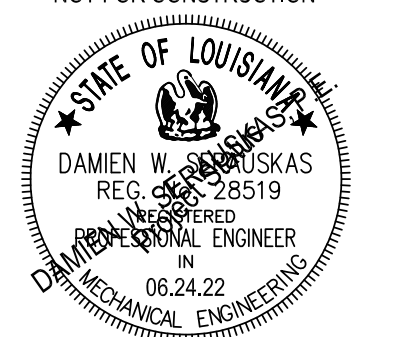
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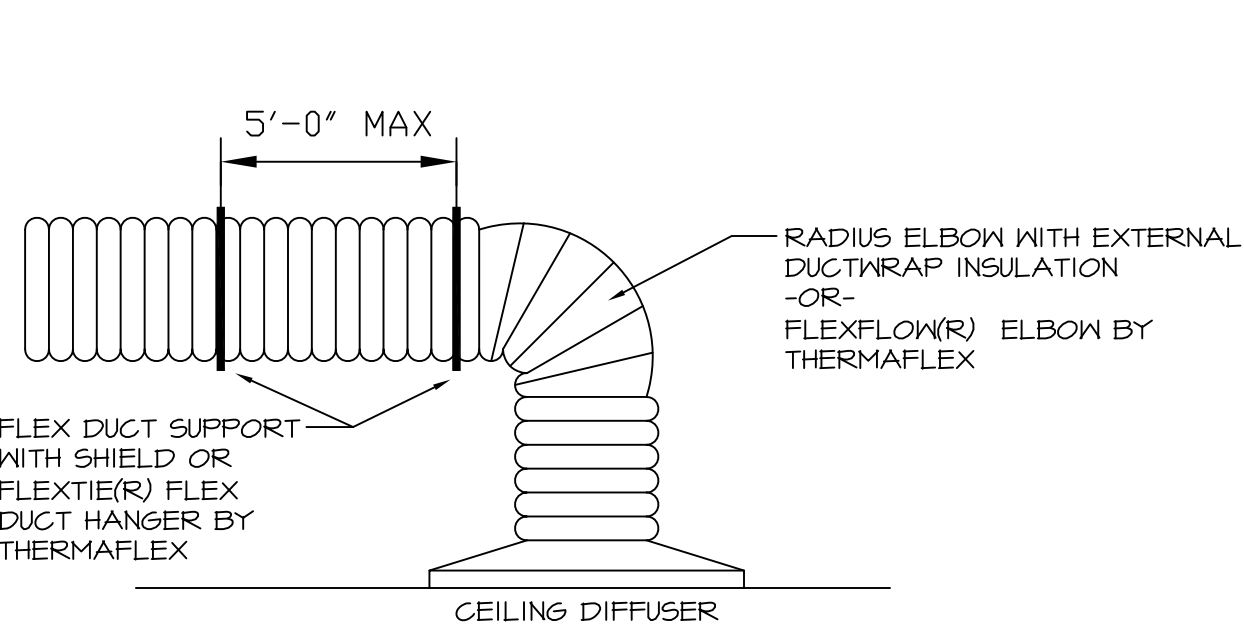
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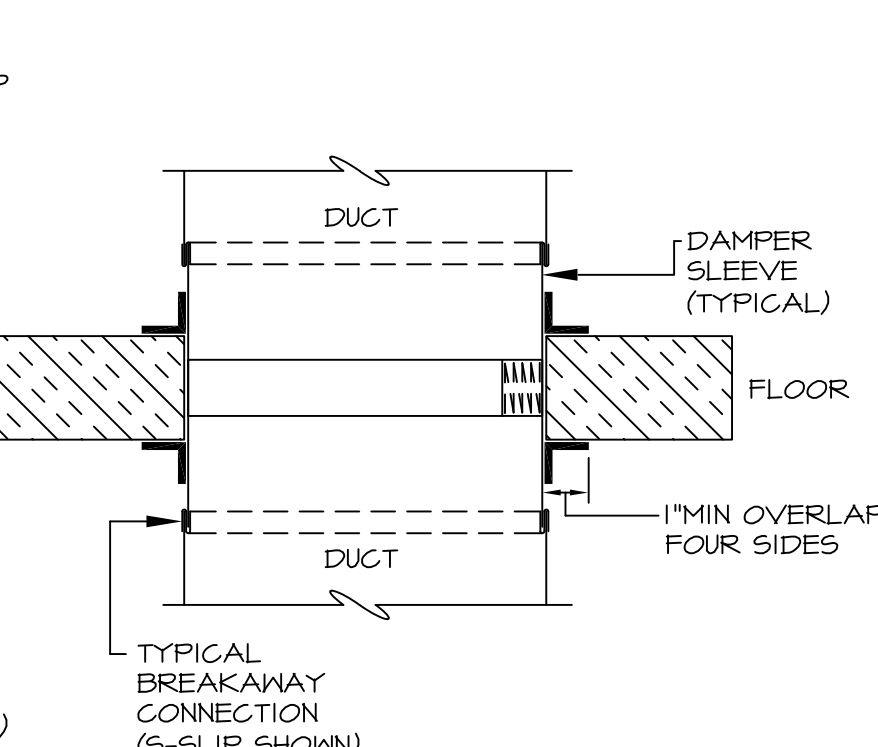
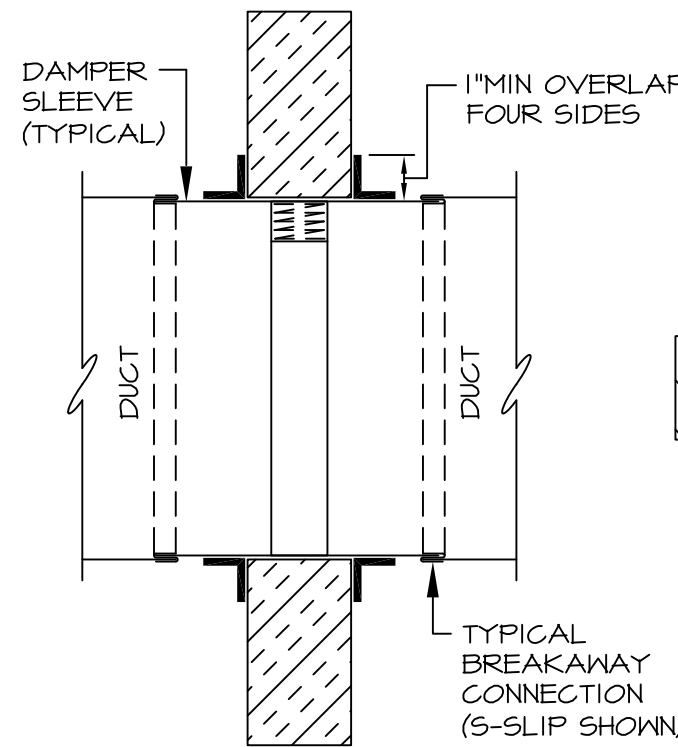
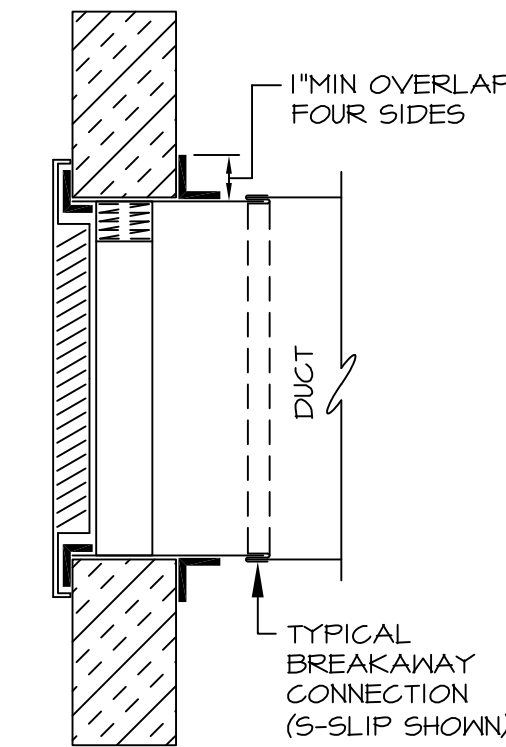
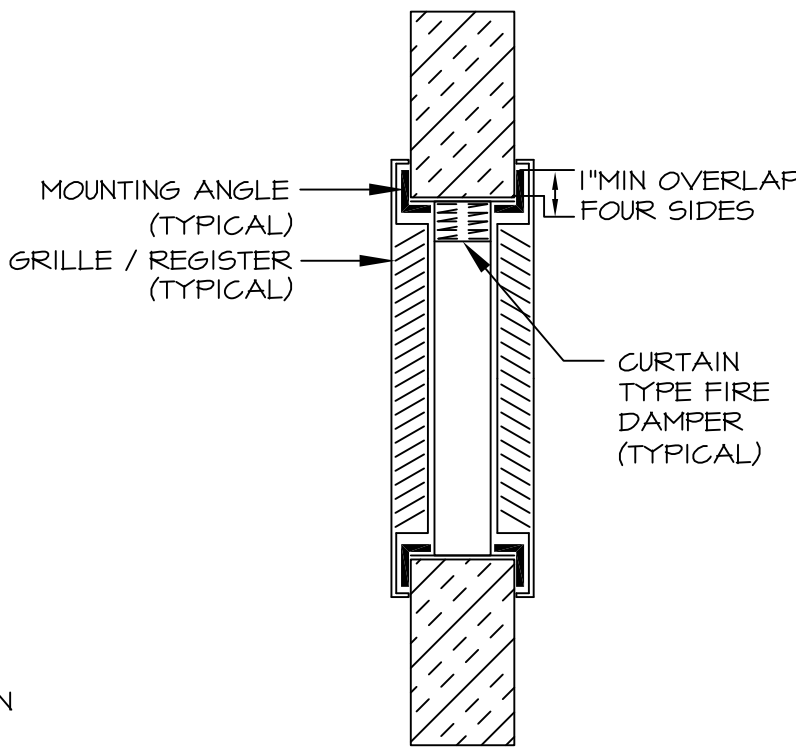
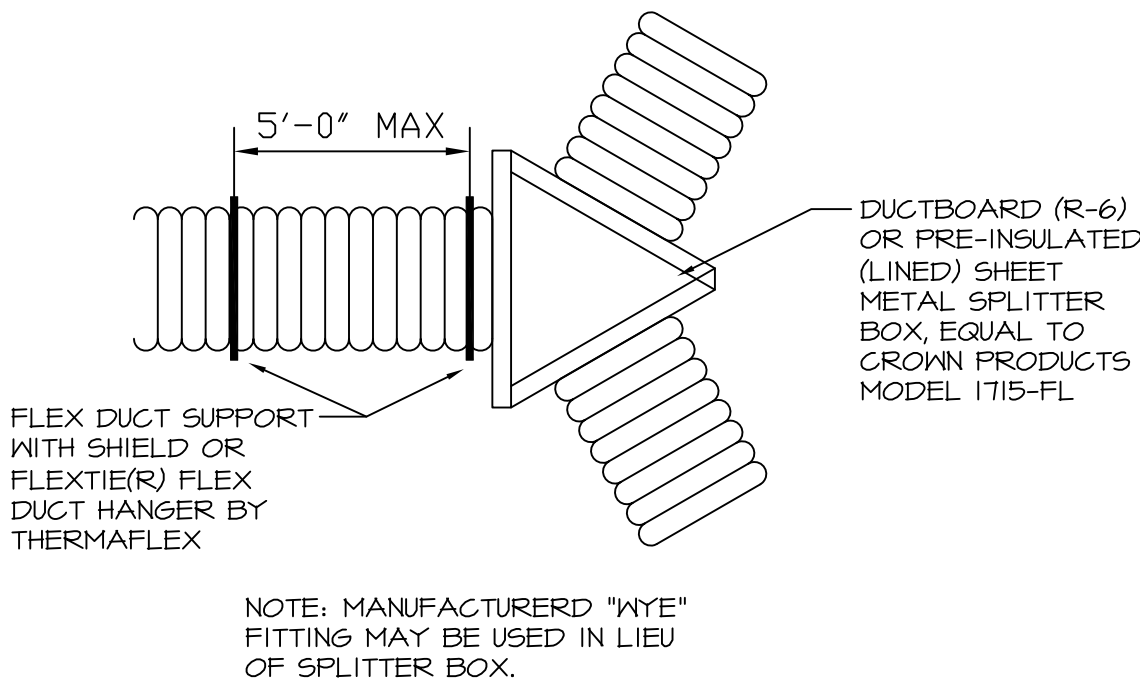
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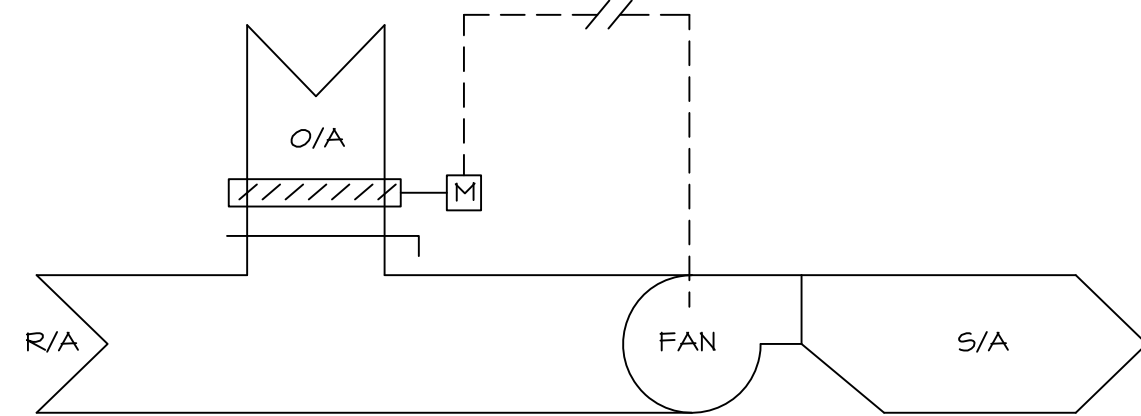
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1  
M200  
CEILING DIFFUSER AND FLEX DUCT RUNOUT DETAILS  
SCALE: NONE



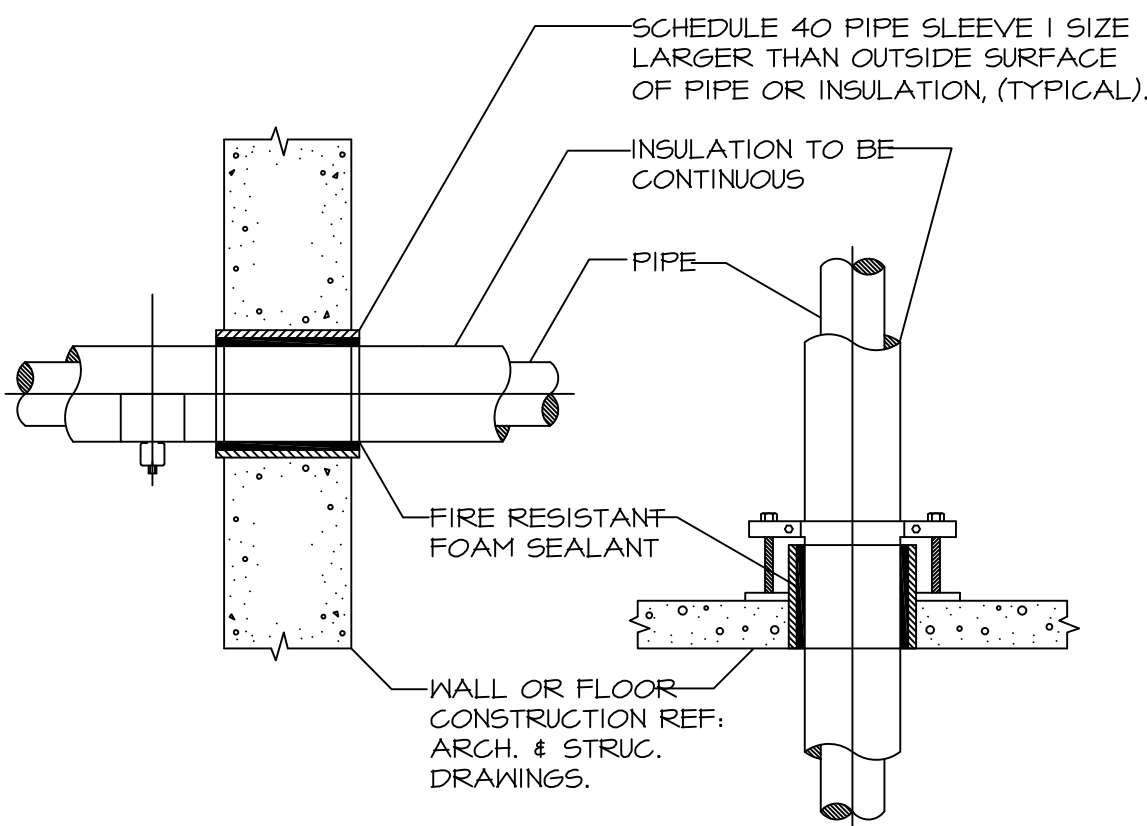
6  
M200  
FIRE DAMPER INSTALLATION DETAIL  
SCALE: NONE



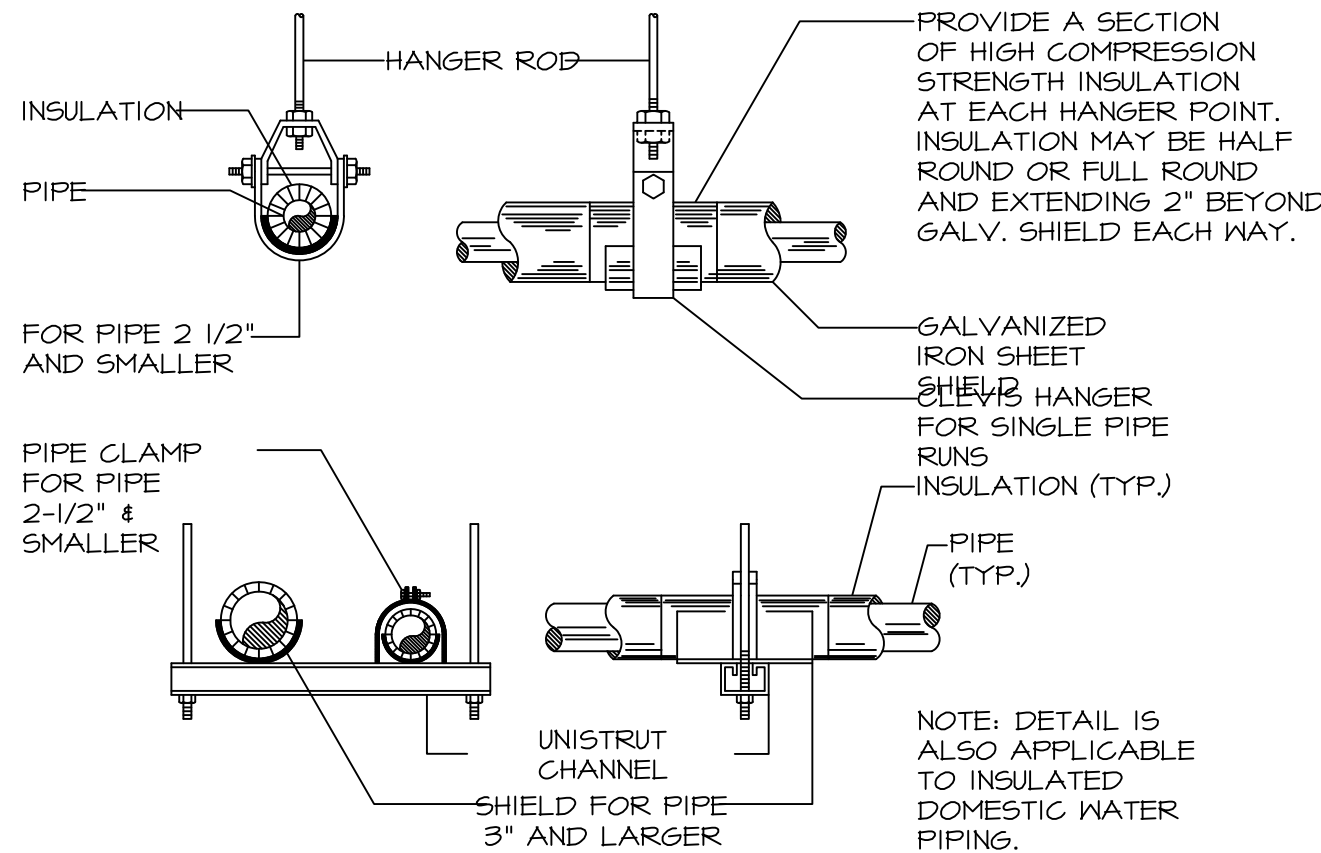
SEQUENCE OF OPERATION

WHEN UNIT IS OFF, THE OUTSIDE AIR DAMPER SHALL CLOSE FULLY. UPON UNIT STARTUP, THE OUTSIDE AIR DAMPER SHALL OPEN TO A MAXIMUM CFM SETPOINT. FINAL MAXIMUM FLOWRATE BALANCED BY MANUAL DAMPER IN OA DUCT.

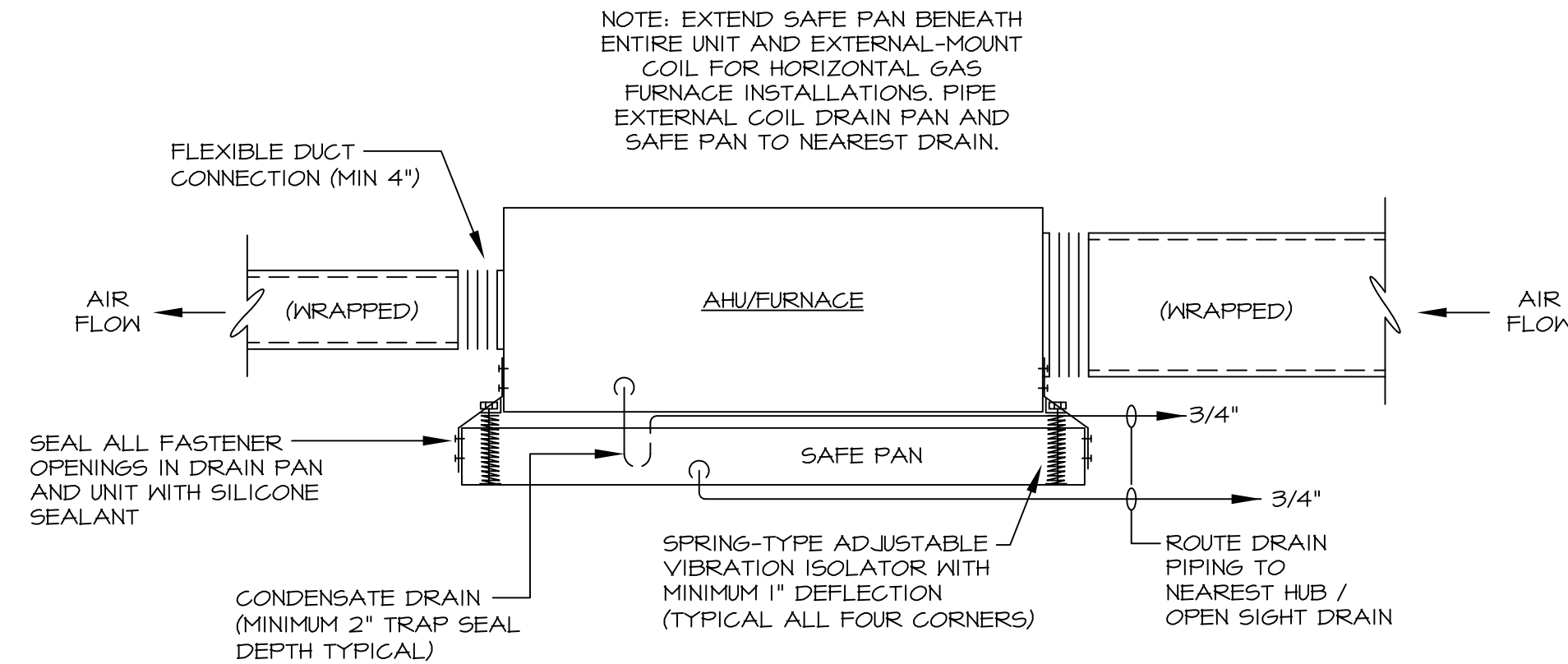
7  
M200  
O/A AND DCV CONTROL SEQUENCE  
SCALE: NONE



2  
M200  
PIPE SLEEVE DETAILS  
SCALE: NONE



3  
M200  
PIPE HANGER AND SUPPORT DETAILS  
SCALE: NONE



5  
M200  
AIR HANDLING UNIT INSTALLATION DETAIL  
SCALE: NONE

-REVISIONS-

No.	Date	Scope
1	06/02/22	MECH REV'S
2	06/24/22	PERMIT SET

DRAWING  
MECHANICAL DETAILS  
AND DIAGRAMS

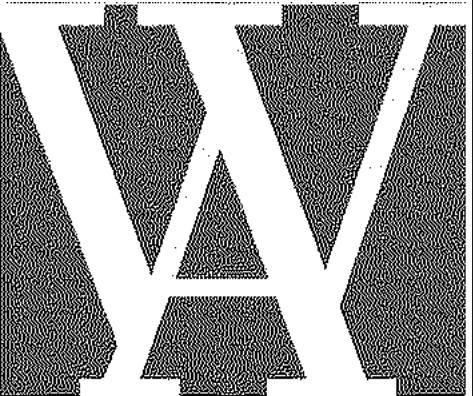
DRAWING BY DWS  
SCALE AS NOTED  
JOB No. 520087.00  
DATE 06/24/2022

Sheet No.

M200



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-REVISIONS-		
No.	Date	Scope
1	06/02/22	MECH REV'S
2	06/24/22	PERMIT SET

DRAWING  
MECHANICAL HOOD  
DETAILS AND  
DIAGRAMS  
DRAWING BY  
SCALE  
JOB No.  
DATE  
Sheet No.

DWS  
AS NOTED  
520087.00  
06/24/2022

M300

#### SPECIFICATION: CAPTRATE® GREASE-STOP® SLOD FILTER

THE CAPTRATE GREASE-STOP SLOD FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-Baffle DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

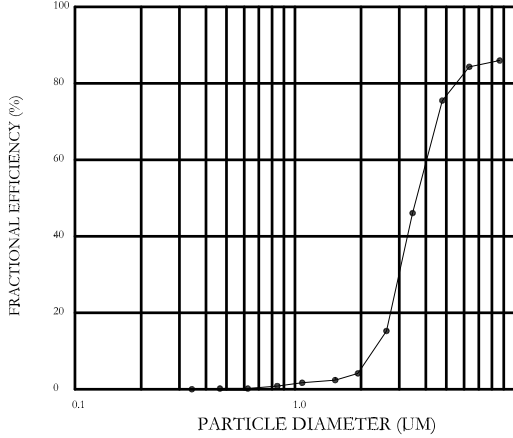
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

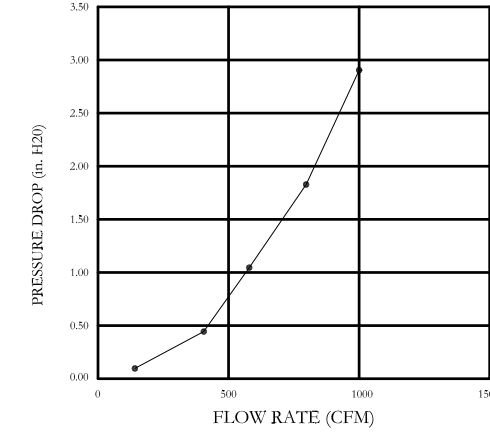
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SLOD WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS. PARTICLE DIAMETER



PRESSURE DROP VS. FLOW RATE



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:

NFPA #96.  
NSF STANDARD #2.  
UL STANDARD #1046.  
INT. MECH. CODE (IMC).  
ULC-S649.



#### HOOD INFORMATION -- JOB#5253753

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP DEG	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST RISER(S)					TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENG	HEIGHT	DIA	CFM			VEL	SP	END TO
1	3	6024 EX-2-PSP-F	ECON-AIR	14' 0"	600 DEG	I	HEAVY	200	2800		4"	12"	1400	1783	-0.826"	2240	430 SS WHERE EXPOSED	ALONE	ALONE

#### HOOD INFORMATION

HOOD NO	TAG	TYPE	FILTER(S)			EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM CABINET(S)			FIRE SYSTEM PIPING	HOOD HANGING WEIGHT	
			QTY	HEIGHT	LENGTH							TYPE	SIZE	ELECTRICAL			SWITCHES
1	3	CAPTRATE SLOD FILTER	10	16"	16"	85% SEE FILTER SPEC	6	RECESSED ROUND	NO	RIGHT	12"x60"x24"	TANK FS	4.0/4.0/4.0	SC-311110MA	1 LIGHT 1 FAN	YES	1495 LBS

#### HOOD OPTIONS

HOOD NO	TAG	OPTION			
		FIELD WRAPPER	18.00' HIGH	FRONT, LEFT, RIGHT.	
1	3	BACKSPLASH	122.00" HIGH X 216.00" LONG	430 SS VERTICAL.	
		INSULATION FOR TOP OF HOOD.			
		INSULATION FOR BACK OF HOOD.			
		RISE SENSOR INSTALL 6IN PLEN.			
		RIGHT VERTICAL END PANEL	27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH	INSULATED 430 SS.	
1	3	LEFT VERTICAL END PANEL	27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH	INSULATED 430 SS.	

#### PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)			
							WIDTH	LENG	DIA	CFM
1	3	Front	180"	14"	6"	MUA	12"	28"		746
						MUA	12"	28"		0.180"
						MUA	12"	28"		746
						MUA	12"	28"		0.180"

#### SYSTEM DESIGN VERIFICATION (SDV)

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO

RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.

ECONAIR HOODS ARE  
BUILT IN COMPLIANCE WITH

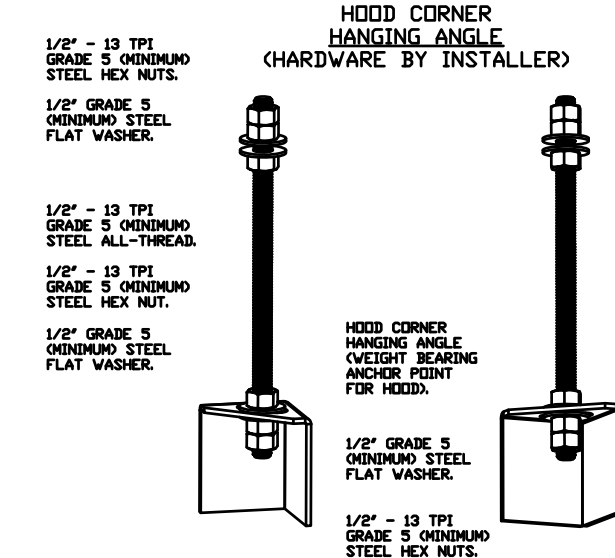


NFPA #96  
UL 710 & ULC710 STANDARDS  
E.T.L. LISTED 3054804-001

#### CUSTOMER APPROVAL TO MANUFACTURE:

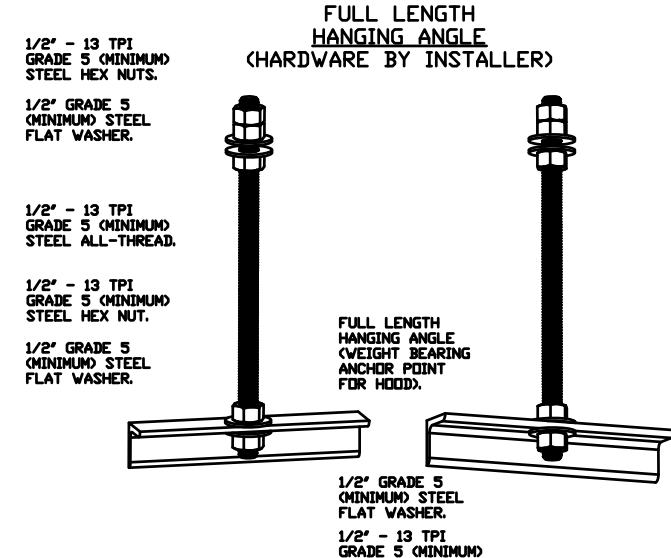
Approved as Noted ☐  
Approved with NO Exception Taken ☐  
Revise and Resubmit ☐  
SIGNATURE \_\_\_\_\_  
Your Title \_\_\_\_\_ Date \_\_\_\_\_

FOR QUESTIONS, CALL THE  
Nashville Office  
REGION 44  
PHONE: (615) 599-8300  
EMAIL: reg44@econair.com



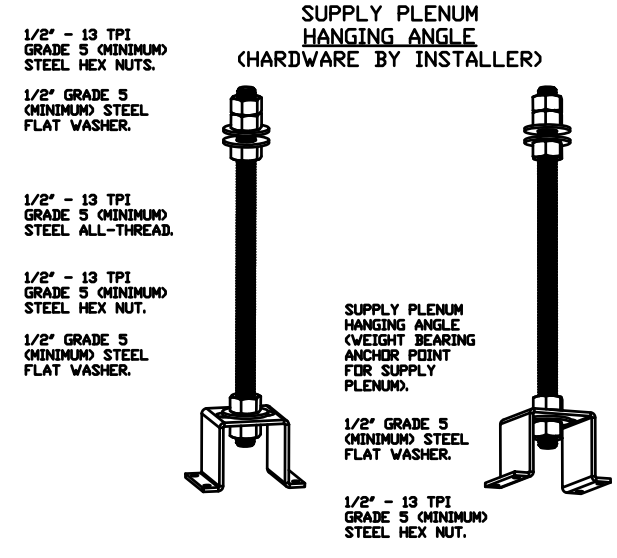
#### ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



#### ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



#### ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



#### GREASE DUCT SPECIFICATIONS:

PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE. PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 LISTED DOUBLE WALL GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

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DATE: 1/19/2022

DWG.#: HOOD-1-5253753

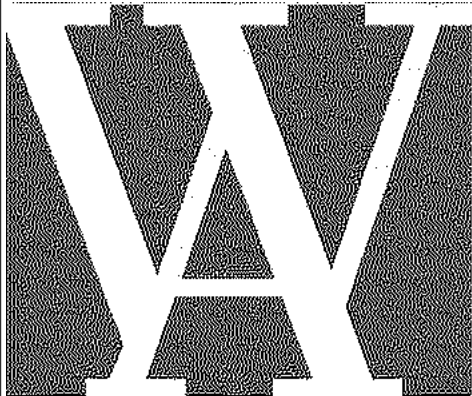
DRAWN BY: DDR-44

SCALE: 3/4" = 1'-0"

HOOD

SHEET NO. 1

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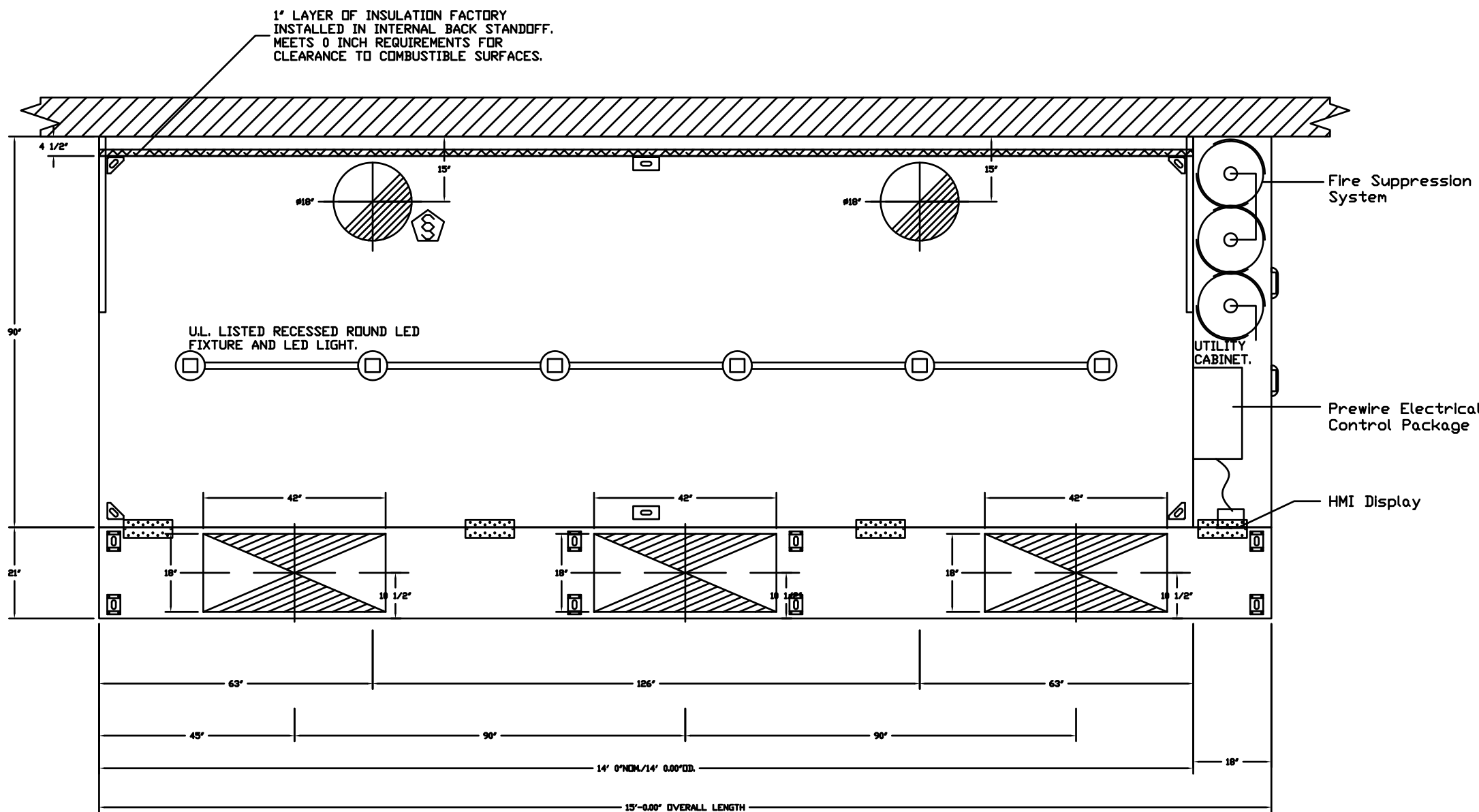
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DRAWING  
MECHANICAL HOOD  
DETAILS AND  
DIAGRAMS  
DRAWING BY  
SCALE  
JOB No.  
DATE  
DWS  
AS NOTED  
520087.00  
06.24.2022  
Sheet No.

M301



PLAN VIEW - HOOD #1 (3)  
14' 0.00" LONG 6024FX-2-PSP-F  
NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12" AND LONGER.

### VERIFY CEILING HEIGHT

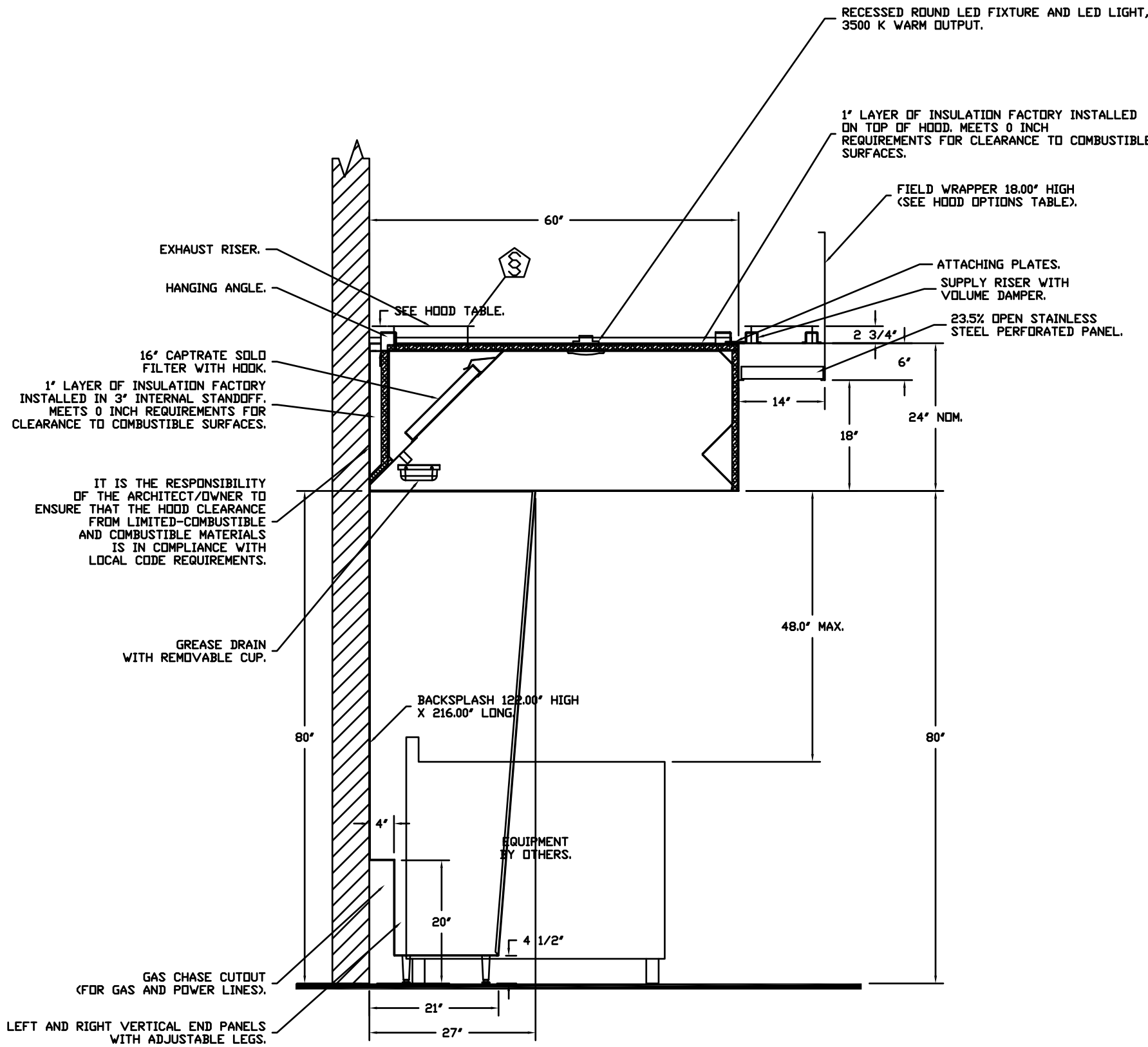
1' - 0"

HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

### HVAC DISTRIBUTION NOTE

IT IS RECOMMENDED NOT TO INSTALL HIGH VELOCITY DIFFUSERS OR HVAC RETURNS WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

ECONAIR SYSTEMS RECOMMENDS THE USE OF LISTED, PRE-FABRICATED ROUND GREASE EXHAUST DUCT TO REDUCE STATIC PRESSURE IN THE SYSTEM, MINIMIZE INSTALLATION AND INSPECTION TIMES, AND ENSURE DUCT IS LIQUID TIGHT



SECTION VIEW - MODEL 6024RX-2-PSP-F  
HOOD - #1 (3)

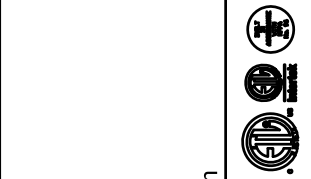
ECONAIR HOODS ARE  
BUILT IN COMPLIANCE WITH  
  
NFPA #96  
UL 710 & ULC710 STANDARDS  
E.T.L. LISTED 3054804-001

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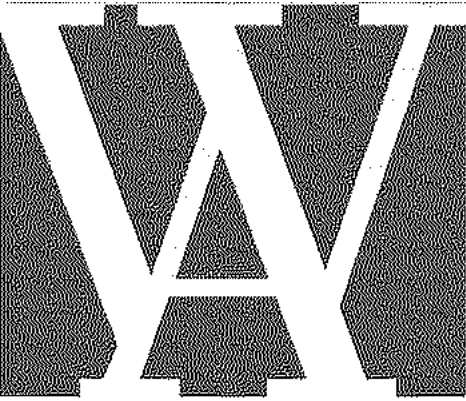
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DWG.#:  
HOOD-2-5253753  
DRAWN BY: DDR-44  
SCALE:  
3/4" = 1'-0"  
HOOD

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2



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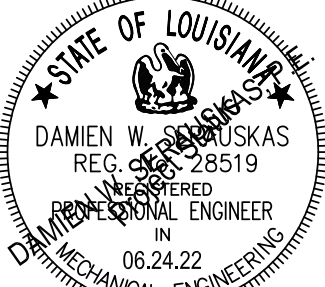
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No.	Date	Scope
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DRAWING  
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DIAGRAMS  
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M302

SECTION 23 38 13 13

SPECIFICATIONS  
TAG: Commercial Kitchen Ventilation Hoods, Listed Commercial Kitchen Hoods  
PART 1 - GENERAL  
1.1 SUMMARY  
A. The ND2 series is a Type I, wall canopy hood for use over 600°F cooking surface temperatures. The aerodynamic design includes a mechanical baffle and performance enhancing lip for exceptional capture and containment.  
B. The hood shall have the size, shape, and performance specified on drawings.

1.2 SUBMITTALS  
A. The manufacturer assumes no liability for the use or results of use from this document. Specifications are to be reviewed by the engineer to confirm the project's requirements and meet Federal, State, and Local codes and regulations.  
B. As the manufacturer continues product development, it reserves the right to change design and specifications without notice.  
C. The manufacturer shall supply complete computer generated submittal drawings, including hood section view(s) and hood plan view(s). These drawings must be available to the engineer, architect, and owner for their use in construction, operation, and maintenance.

1.3 QUALITY ASSURANCE  
A. This hood is ETL-listed to standard UL710, ULC710, and ULC-S646 when installed in accordance with these installation instructions and National Fire Protection Association Standard NFPA 96, Standard for Ventilation, Control and Fire Protection of Commercial Cooking Operations.  
B. Built-in compliance with NSF/ANSI Standard 2.  
C. The hood shall be ETL Listed as:  
1. "Exhaust Hood Without Exhaust Damper."  
2. ETL Sanitation Listed and built in accordance with NFPA 96.  
3. The ETL label shall list temperature rating(s) and minimum CFM/ft rating(s).

1.4 WARRANTY  
A. All units shall be provided with the following standard warranty:  
1. This equipment is warranted to be free from defects in materials and workmanship, under normal use and service, for a period of 2-years from date of shipment.  
B. The manufacturer shall not be liable for incidental and consequential losses and damages potentially attributable to malfunctioning equipment. Should any part of the equipment prove to be defective in material or workmanship within the 2-year warranty period, upon examination by the manufacturer, such part will be repaired or replaced by manufacturer at no charge. The buyer shall pay all labor costs incurred in connection with such repair or replacement. Equipment shall not be returned without manufacturer's prior authorization, and all returned equipment shall be shipped by the buyer, freight prepaid to a destination determined by the manufacturer.  
C. Refer to Manufacturer's Operation, Installation, and Maintenance (OIM) Manual for detailed descriptions of what is/is not covered and contact information for warranty claims.

PART 2 - PRODUCTS  
2.1 GENERAL  
A. Construction shall be dependent on the structural application to minimize distortion and other defects. All seams, joints, and penetrations of the hood enclosure to the lower outermost perimeter, which directs and captures grease-laden vapor and exhaust gases, shall have a liquid-tight continuous external weld in accordance with NFPA 96.

ECONAIR HOODS ARE  
BUILT IN COMPLIANCE WITH

Intertek

NFPA #96  
UL 710 & ULC710 STANDARDS  
E.T.L. LISTED 3054804-001

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B. Duct sizes, CFM, and static pressure requirements shall be as shown on drawings. Static pressure requirements shall be precise and accurate; air velocity and volume information shall be accurate within 1-ft increments along the length of the ventilator.

2.2 CONSTRUCTION  
A. Construction shall be type 430 stainless steel.  
B. Double wall insulated front to eliminate condensation and increase rigidity on wide sizes. The insulation shall have a flexural modulus of 475 EI, meet UL 181 requirements and be in accordance with NFPA 90A and 90B.  
C. Hood shall be equipped with a minimum of four connections for hanger rods. Hood lengths greater than 12' will have added hangers.  
D. Exhaust duct collar to be 4' high with flange.  
E. The grease drain system shall be an enclosed integral part of the hood back and have slopes with an exposed, removable 1/2 grease cup to facilitate cleaning.  
F. An integral baffle to direct grease laden vapors toward the exhaust filter bank.  
G. Hood shall be furnished with UL classified filters, supplied in size and quantity as required by ventilator.  
H. All seams shall be welded and have stainless steel on exposed surfaces.

2.3 LIGHTING  
A. Recessed round LED fixture and LED light, 3500K Warm output.

2.4 FILTERS  
A. Stainless Steel Captrate Solo filter with hook, ETL Listed. Particulate capture efficiency: 85% efficient at 9 microns, 76% efficient at 5 microns.

2.5 OPTIONS  
A. Fire Suppression System: UL 300 fire suppression system.  
B. Optional perforated supply plenum shall provide make-up air discharged below the cooking equipment.  
1. Perforated diffuser plates shall be included in the design to provide even air distribution.  
2. Unexposed surfaces shall be constructed of aluminized steel. Plenum shall be insulated to prevent condensation.  
3. Perforated Supply Plenum (PSP)  
C. Hood Mounted Utility Cabinet - Cabinet can store listed fire suppression system, listed components, pre-wired electrical controls.

2.6 ACCESSORIES  
A. End Panel(s) maximize hood performance and eliminate the effects of cross drafts in the kitchen. Units constructed of stainless steel and sized according to hood width and cooking equipment. Exposed edges hemmed for safety and rigidity. Selected panels:  
1. Vertical End Panel  
B. Splash panel(s) selected:  
1. Backsplash  
C. Wrapper(s) may be installed from the factory or field installed. Wrapper(s) selected:  
1. Wrapper  
D. Miscellaneous option(s) selected:  
1. Insulation for Top of Hood -Fully insulated top of hood.  
2. Insulation for Back of Hood -Backside of hood is fully insulated.  
3. Riser Sensor Install -Sensor set-up for 6' plenum.

PART 3 - EXECUTION  
3.1 EXAMINATION

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A. Examine areas and conditions under which the system is installed. Do not proceed with work until unsatisfactory conditions have been corrected in a manner acceptable to installer.

3.2 INSTALLATION  
A. Install in accordance with manufacturer's instructions, drawings, written specifications, manufacturer's installation manual, and all applicable building codes.

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DWG.#:  
HOOD-3-5253753

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SCALE:  
3/4" = 1'-0"

HOOD

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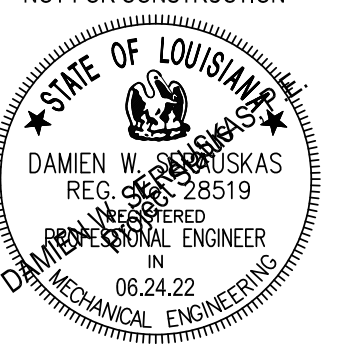
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M303

EXHAUST FAN INFORMATION – JOB#5253753

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	3A-KEF1	1	EADUI80H	ECON-AIR	2800	1.500	1272	TEFC, PREMIUM	3.000	1.4640	3	208	9.4	647 FPM	181	17.9

MUA FAN INFORMATION – JOB#5253753

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MDCP	WEIGHT (LBS)	SONES
2	3A-KSF1	1	ETA2-20Z	20Z-2-MOD	INLINE.2	1500	2240	0.500	1078	DDP-ECM	4.800	0.4550	3	208	10.6	13.9A	20A	359	7

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	3A-KEF1	1	GREASE BDX
		1	EXHAUST FAN HEAT BAFFLE
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	2 YEAR PARTS WARRANTY
2	3A-KSF1	1	INLINE2 INDOOR HANGING OPTION - INCLUDES 2 HSA125 HANGING SPRING ISOLATORS PER UNI-STRUT
		1	ECM WIRING PACKAGE-SUPPLY - PWM SIGNAL FROM ECPM03 PREWIRE (3 - PHASE ZIEHL MOTOR)
		1	2 YEAR PARTS WARRANTY

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	3A-KEF1	YES						
2	3A-KSF1				YES			

CURB ASSEMBLIES

NO	DN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	3A-KEF1	34 LBS	CURB	26.500"W X 26.500"L X 26.000"H 4.000:12.000 PITCH ALONG LENGTH, RIGHT VENTED HINGED.

FAN SOUND DATA

FAN UNIT NO	TAG	MOTOR	SOUND DATA			OCTAVE BAND SOUND DATA								
			LWA	SONES @ 5 FT	DBA @ 5 FT	DISTANCE (FT)	63 HZ	125 HZ	250 HZ	500 HZ	1 KHZ	2 KHZ	4 KHZ	8 KHZ
1	3A-KEF1	EXHAUST	81.8	17.9	70.3	5	76.1	80.6	87.8	77.9	70.8	68.6	62.4	56.7
2	3A-KSF1	SUPPLY	65.8	7	54.3	5	62.7	70.4	65.5	62.6	59.4	57.2	54.3	50.9

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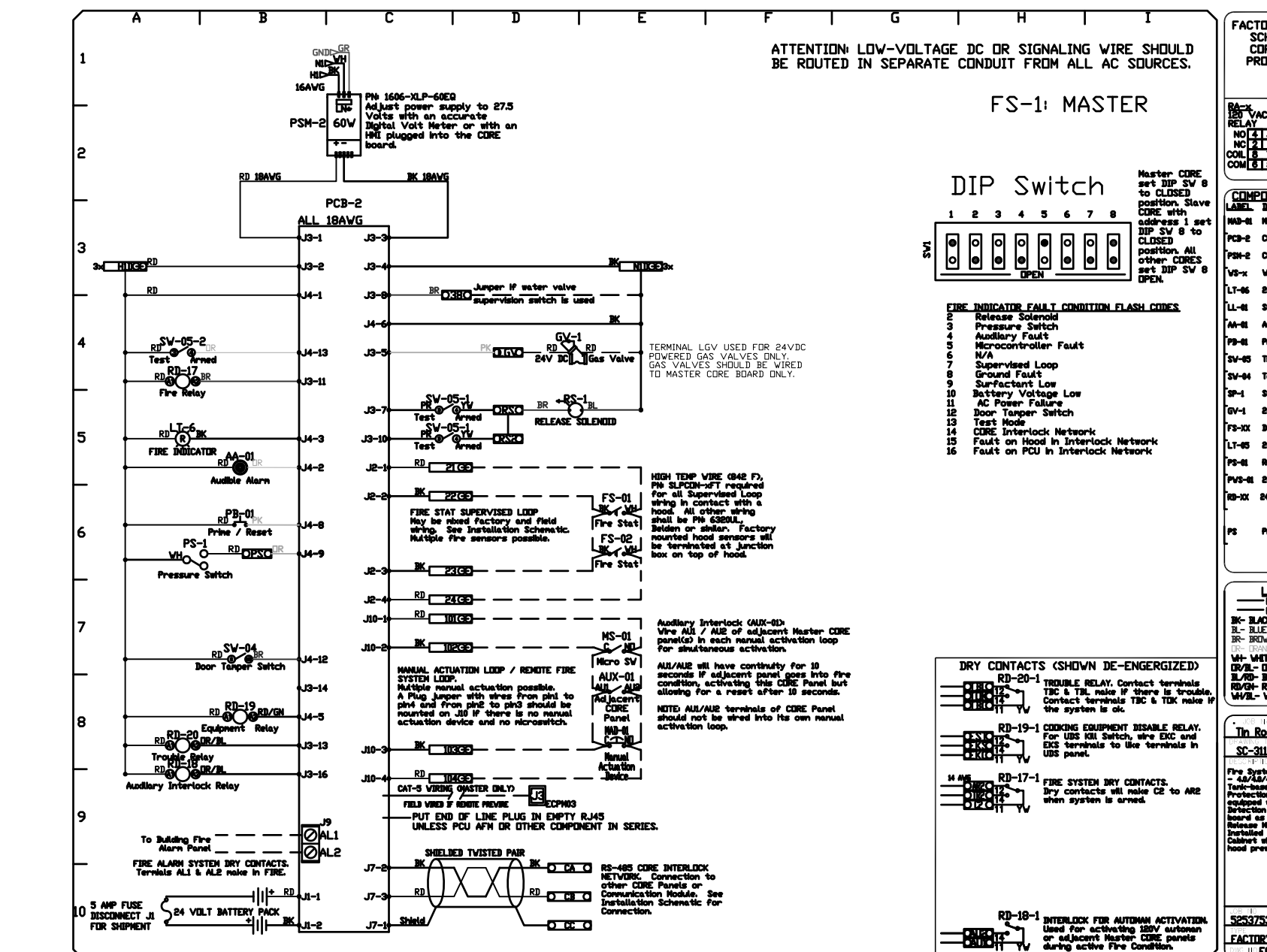
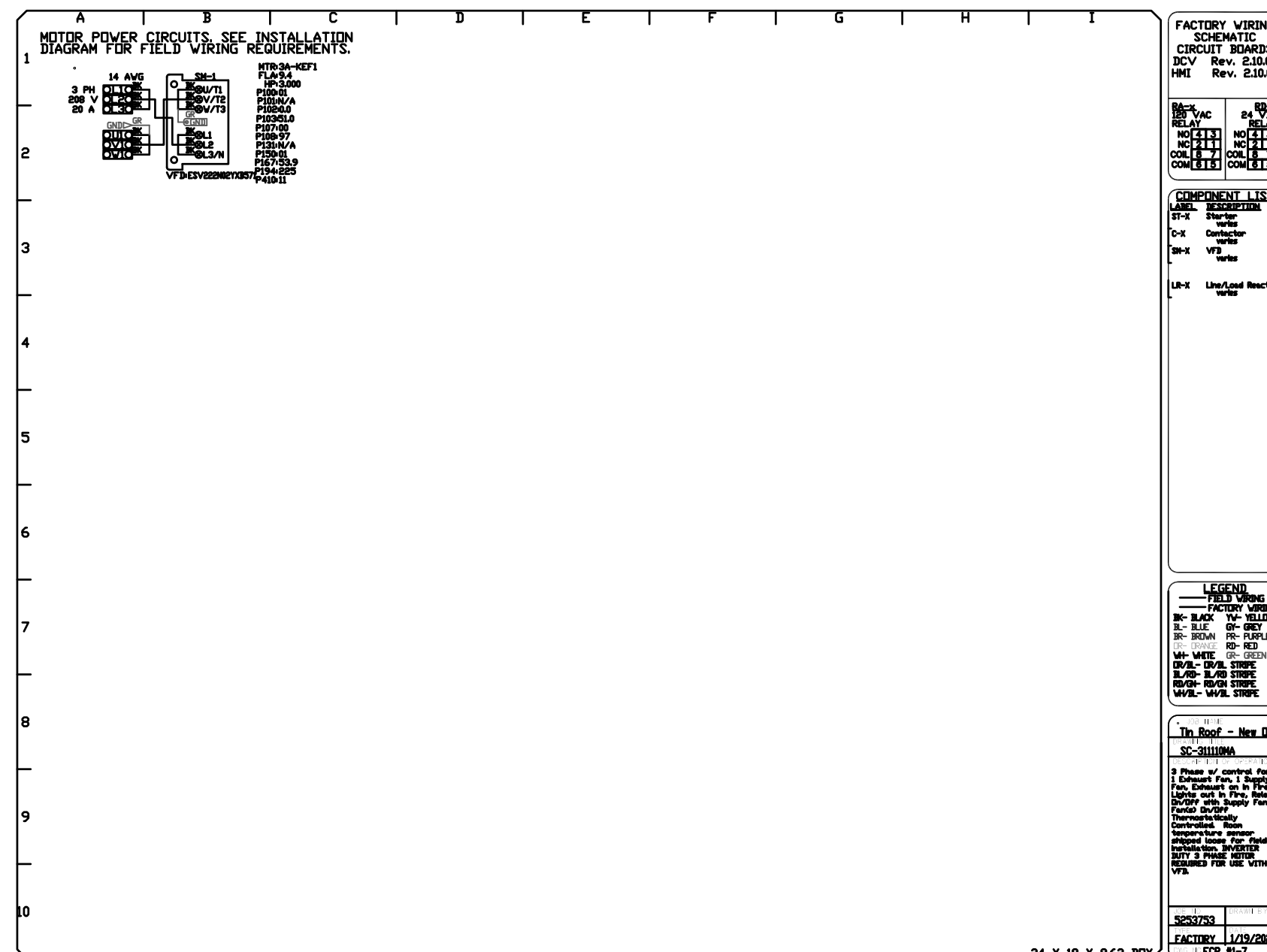


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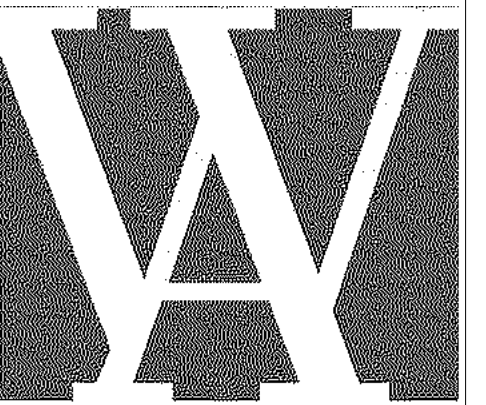
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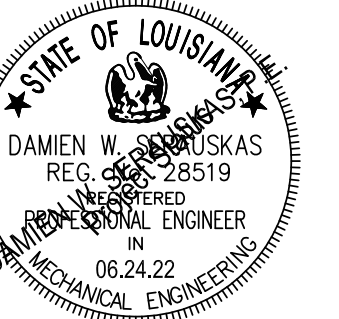


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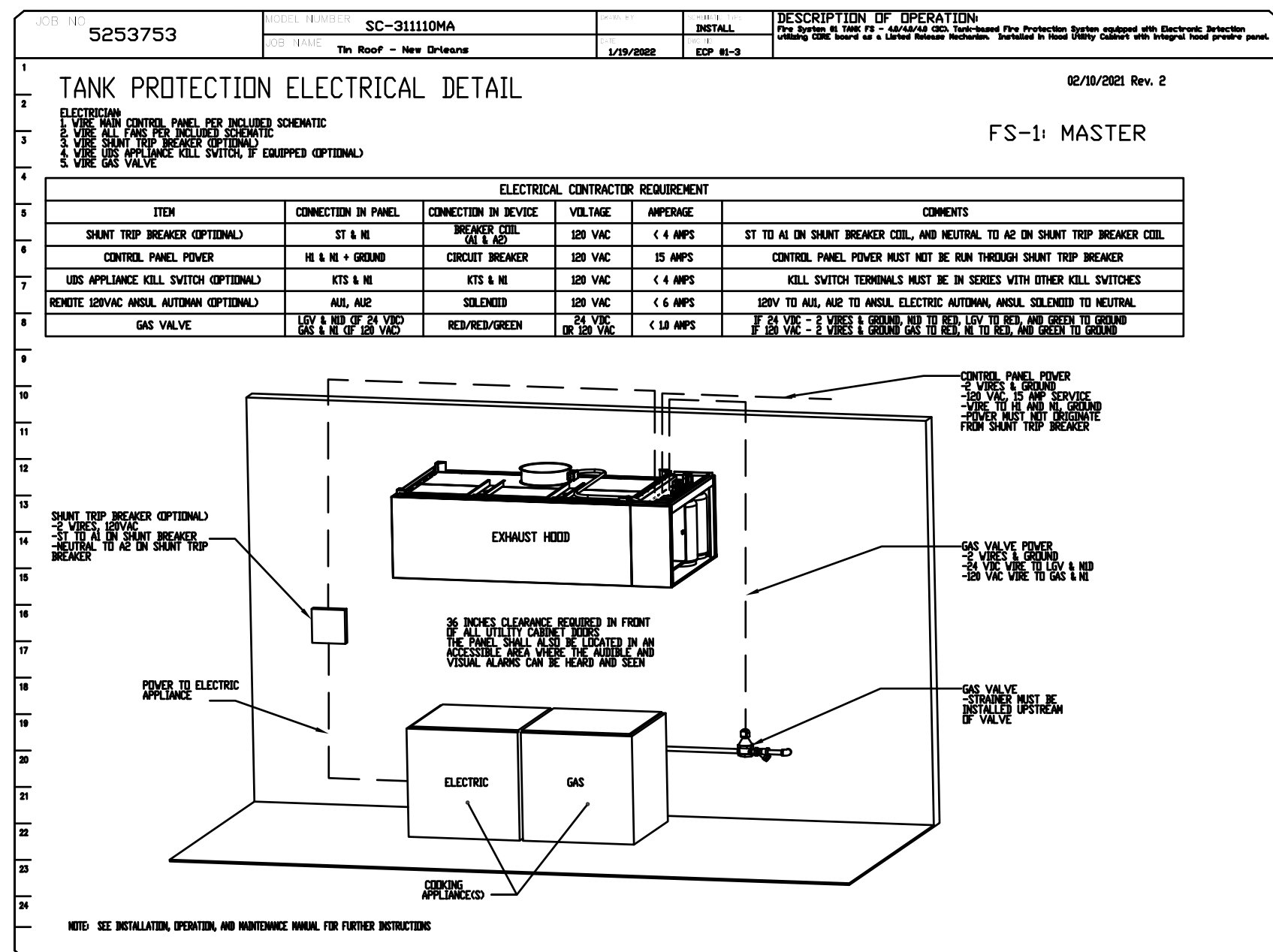
# M306

FIRE SYSTEM INFORMATION - JOB#5253753						
FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1	3C	TANK FS	4.0/4.0/4.0	46	FIRE CABINET RIGHT	RIGHT, HOOD 1

GAS VALVE(S)				
FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1	3C	SC ELECTRICAL	2.000	ECON-AIR

FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1	3C	0 - 0 - 12-F28021-32144-0T-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO. CLOSE ON TEMP RISE AT 360°F.	2	0
		0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-120041-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	3	0
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300033-001 DIN CONNECTOR, CANFIELD PART #J5560-201-EU0A, TANK FIRE SUPPRESSION, SENDER SOLENOID CONNECTION CONNECTION (SEE DRAWING 30077).	1	0
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	12	0
		0 - 0 - 90554535C PRC PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	14	0
		0 - 0 - 90597200PC PRC PRESS PC611 1/2 PRESS TEE LD.	8	0
		0 - 0 - 986944115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	6	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - B1145 3/8" BLACK IRON 90 ELL.	4	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	9	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	0
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	3	0
		16 - 16 - 3070-3/8H-10-SS NOZZLE - TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE)- 4 FLOW POINTS.	10	0
		16 - 16 - 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	10	0
		26 - 26 - 65A-3/8" OULK SEAL, 3/8" (O.L).	10	0
		54 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT, RED COLOR.	1	0



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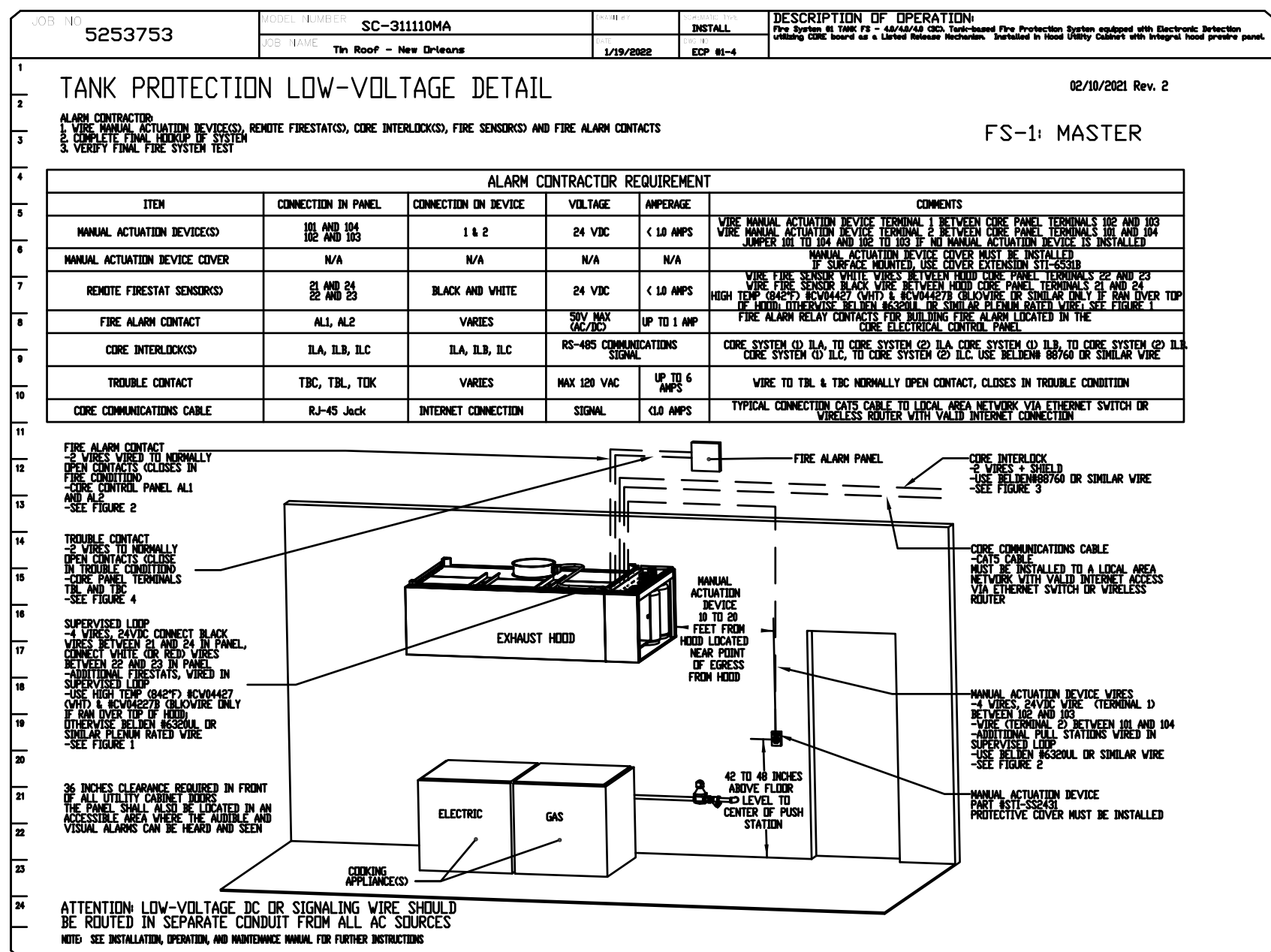
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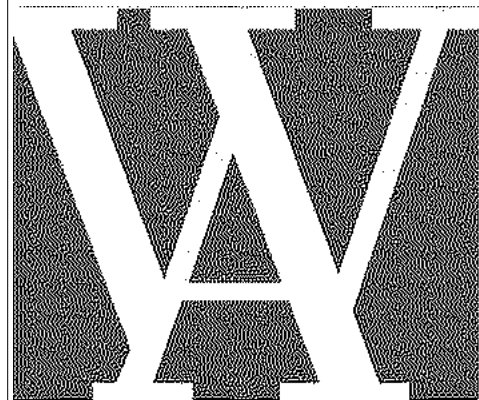


<div> <div>  <div> <div>econ-air</div> <div>Nashville Office</div> <div>www.econair.com</div> </div> </div> <div> <div>PO Box 1606, Spring Hill, TN, 37174 PHONE: (615) 598-8300 FAX: (615) 227-5960 EMAIL: nsg44@econair.com</div> </div> </div>		<div> <div> <div>REVISIONS</div> <table border="1"> <tr> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr><td>Δ</td><td></td></tr> <tr><td>Δ</td><td></td></tr> <tr><td>Δ</td><td></td></tr> <tr><td>Δ</td><td></td></tr> <tr><td>Δ</td><td></td></tr> </table> </div> <div>   </div> </div>		DESCRIPTION	DATE	Δ		Δ		Δ		Δ		Δ	
		DESCRIPTION	DATE												
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<div> <div> <div>Tin Roof - New Orleans</div> <div>NEW ORLEANS, LA, 70130</div> </div> <div> <div>DATE: 1/19/2022</div> <div>DWG.#: FS-1-5253753</div> <div>DRAWN BY: DDR-44</div> <div>SCALE: 3/4" = 1'-0"</div> <div>FIRE SYSTEM</div> </div> </div>															
<div> <div>SHEET NO.</div> <div>4</div> </div>															

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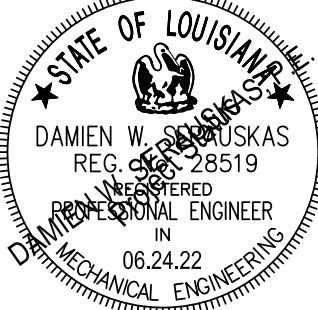
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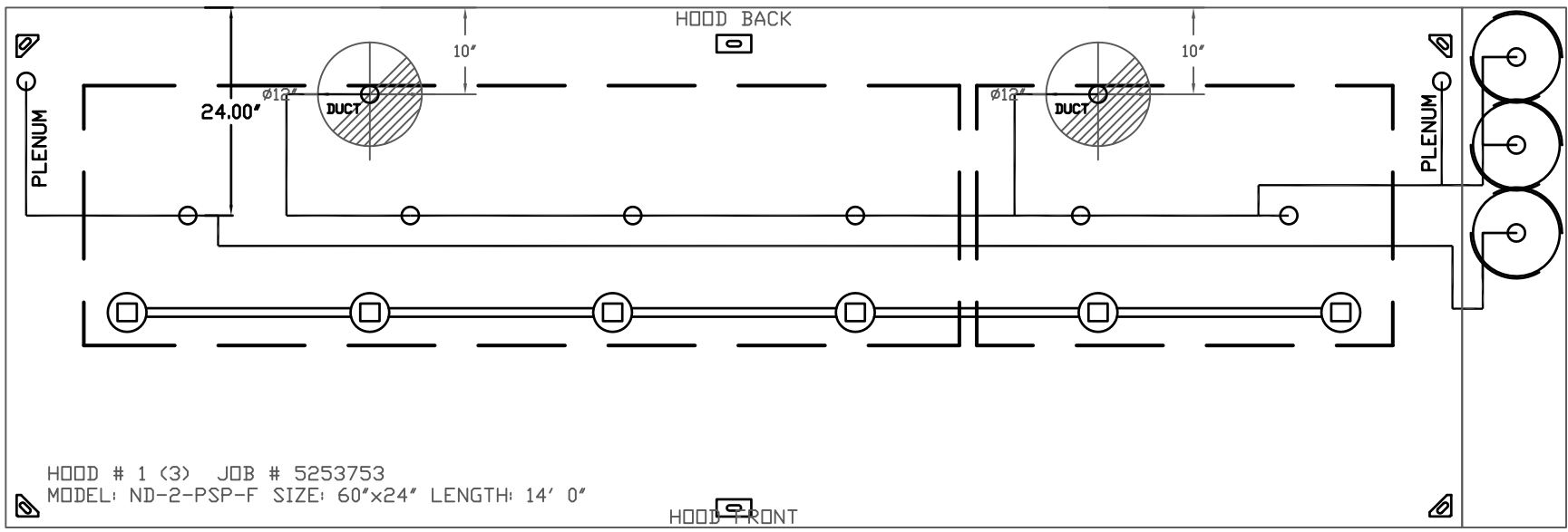
No.	Date	Scope
1	06/02/22	MECH REV'S
2	06/24/22	PERMIT SET

DRAWING  
MECHANICAL HOOD  
DETAILS AND  
DIAGRAMS

DRAWING BY DWS  
SCALE AS NOTED  
JOB No. 520087.00  
DATE 06/24/2022

Sheet No.

M307



JOB #: 5253753.  
JOB NAME: TIN ROOF - NEW ORLEANS.

SYSTEM SIZE: TANK-SP-3 TOTAL FP REQUIRED: 46.  
HOOD # 1 14' 0.00' LONG x 60' WIDE x 24' HIGH.  
RISER # 1 SIZE: 12" DIA.  
RISER # 2 SIZE: 12" DIA.  
HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

NOTES

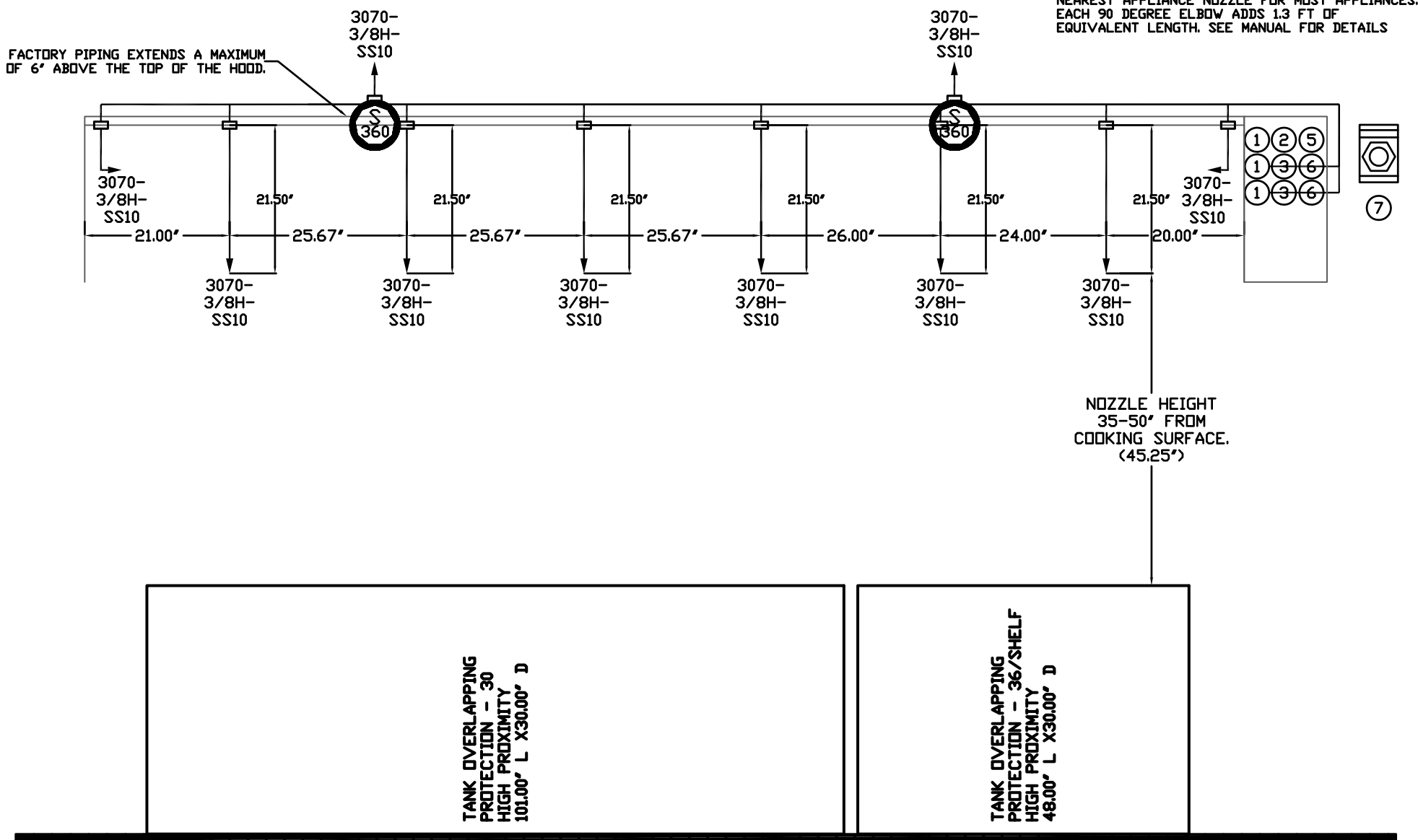
- FIELD PIPE DROPS AS SHOWN
- PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVEING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LODGE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
- THIS FIRE SYSTEM COMPLIES WITH UL. 300 REQUIREMENTS.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

LEGEND - FIRE CABINET TANK SYSTEM

- 4 GALLON TANK.
- PRIMARY ACTUATOR RELEASE.
- SECONDARY ACTUATOR RELEASE.
- PRESSURE SUPERVISION SWITCH.
- PRIMARY HOSE ASSEMBLY.
- SECONDARY HOSE ASSEMBLY.
- REMOTE MANUAL ACTUATION DEVICE.



INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE, TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR DNE TEST) ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES), ONE MECHANICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2", PERMIT, AND SYSTEM TEST.  
EXCLUDES: UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND CONNECTIONS, HANGING OF FIRE CABINET, SHUNT TRIP, HANDHELD EXTINGUISHERS), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.

CUSTOMER APPROVAL TO MANUFACTURE:

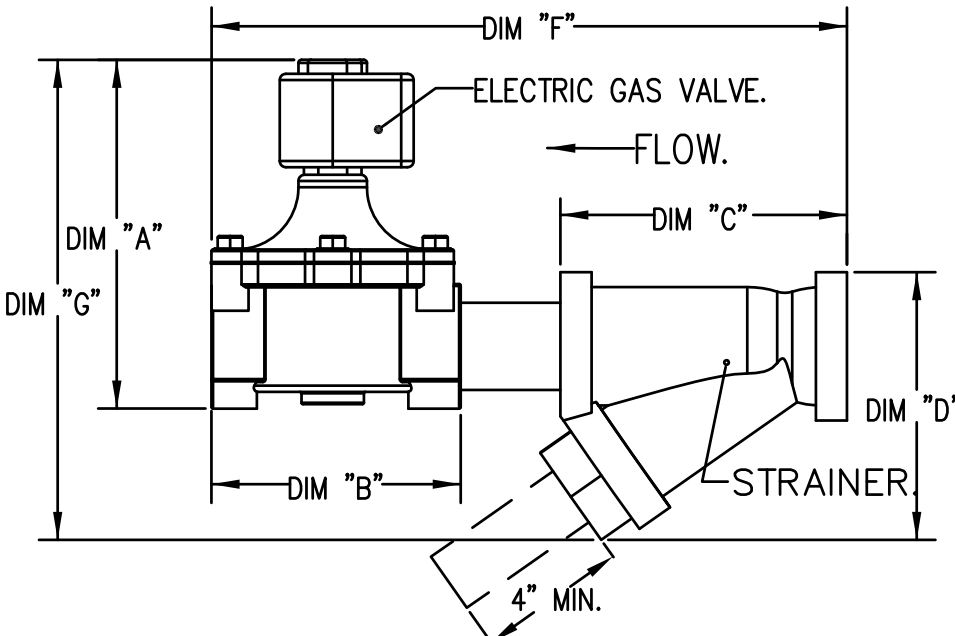
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GAS VALVES AND STRAINERS													
GAS VALVE SIZING							GAS VALVE DIMENSIONS						
TYPE	SIZE	VOLTAGE	MIN. INLET PRESSURE	MAX. INLET PRESSURE	FLOW AT 1 IN.W.C. DROP NATURAL GAS	FLOW AT 1 IN.W.C. DROP PROPANE	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "G"	INSTALLATION
ELECTRICAL	2"	120 VAC	0 PSI (0 IN.W.C.)	5 PSI (136 IN.W.C.)	2,940,500 BTU/HR	1,908,048 BTU/HR	7-5/8"	6-3/8"	7-1/4"	7-13-16"	15-5/8"	13-15/16"	HORIZONTAL/ VERTICAL

ALL GAS VALVES/STRAINERS  
PROPER CLEARANCE MUST BE PROVIDED IN ORDER TO SERVICE THE STRAINERS A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER CUSTOMER MUST VERIFY BTU CONSUMPTION AS WELL AS PRESSURE RATING SPECIFIC GRAVITY OF NATURAL GAS = 0.64, SPECIFIC GRAVITY OF LP = 1.52.

CALCULATIONS  
TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP  
NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP<sup>0.85</sup>  
TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY  
NEW BTU/HR = (BTU/HR AT 0.64) X (0.64 / NEW SPECIFIC GRAVITY)<sup>0.85</sup>









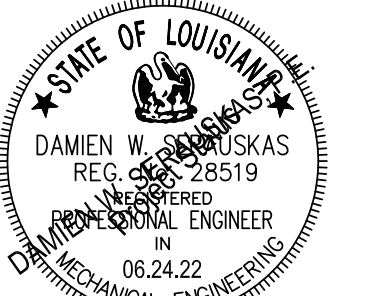
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No.	Date	Scope
1	06/02/22	MECH REV'S
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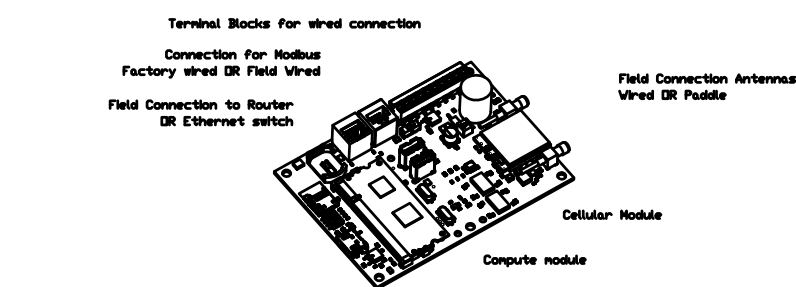
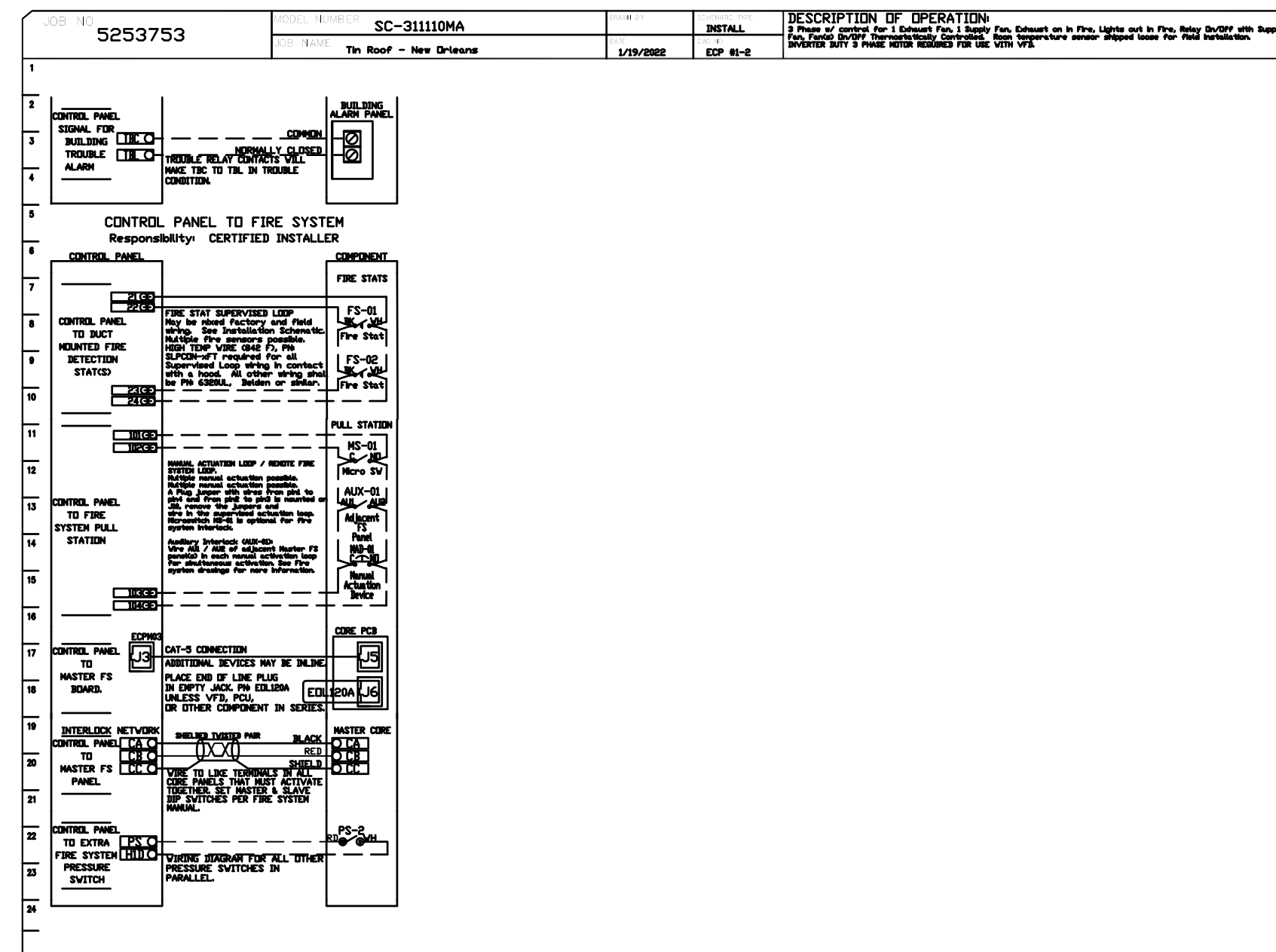
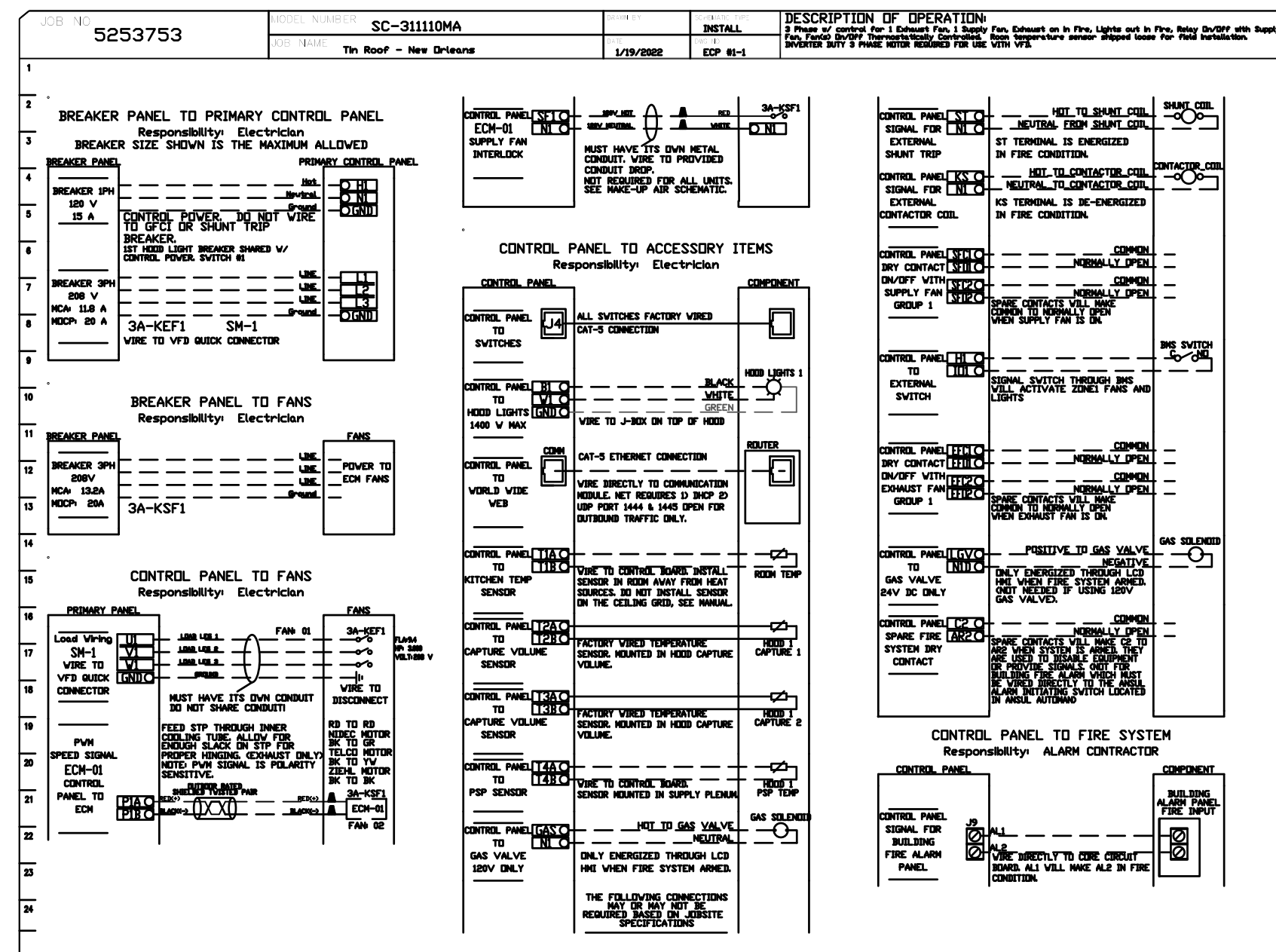
DRAWING	
MECHANICAL HOOD	
DETAILS AND	
DIAGRAMS	
DRAWING BY	DWS
SCALE	AS NOTED
JOB No.	520087.00
DATE	06.24.2022

Sheet No.

# M309



NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	1	HP	VOLT	FLA
1	EC01	SC-311110MA	UTILITY CABINET RIGHT	04 - UTILITY CABINET RIGHT HOOD # 1	1 LIGHT 1 FAN	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	3A-KEF1	EXHAUST	3	3,000	208	9.4
							3A-KSF1	SUPPLY	3	4,800	208	10.6



### CASlink Monitor and Contro

- *Hood control panel to support communications to cloud-based Building Management System.*
- *Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.*
- *Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.*
- *Hood Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies for fully integrated Building Management.*

### MONITORING AND CONTROL POINTS LIST

[illegible]

CUSTOMER APPROVAL TO MANUFACTURE:

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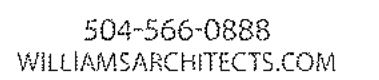
**SCALE:**

	<b>ECP</b>
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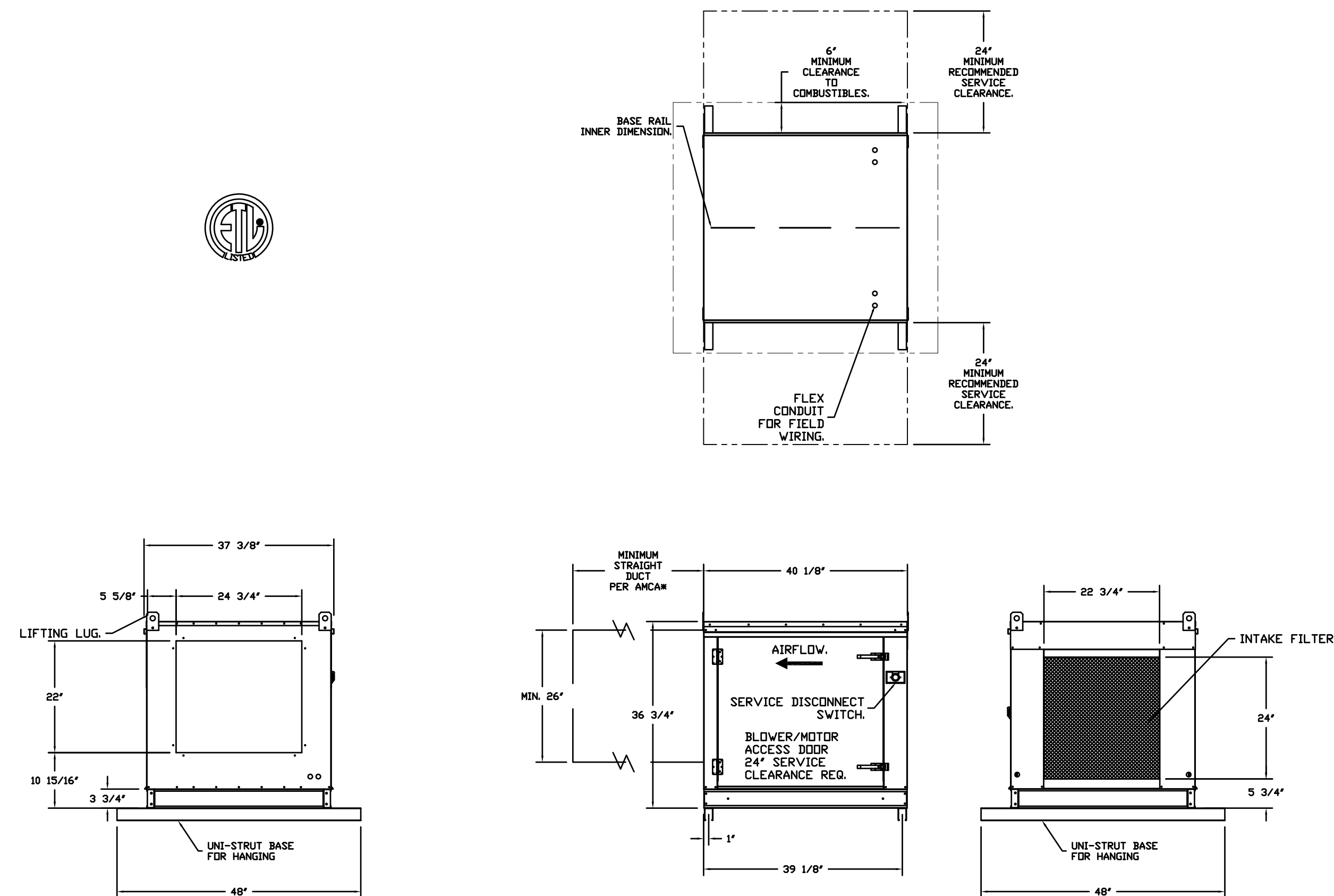
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DETAILS AND	
DIAGRAMS	
DRAWING BY	DWS
SCALE	AS NOTED
JOB No.	520087.00
DATE	06.24.2022

# M310

\*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS, A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADII BACK WITH TURNING VANS. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. AN TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT, SYSTEM EFFECT WILL INCREASE PRESSURE, INCREASE STAGNANT PRESSURE, REDUCE AIRFLOW, DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 26" x 26".



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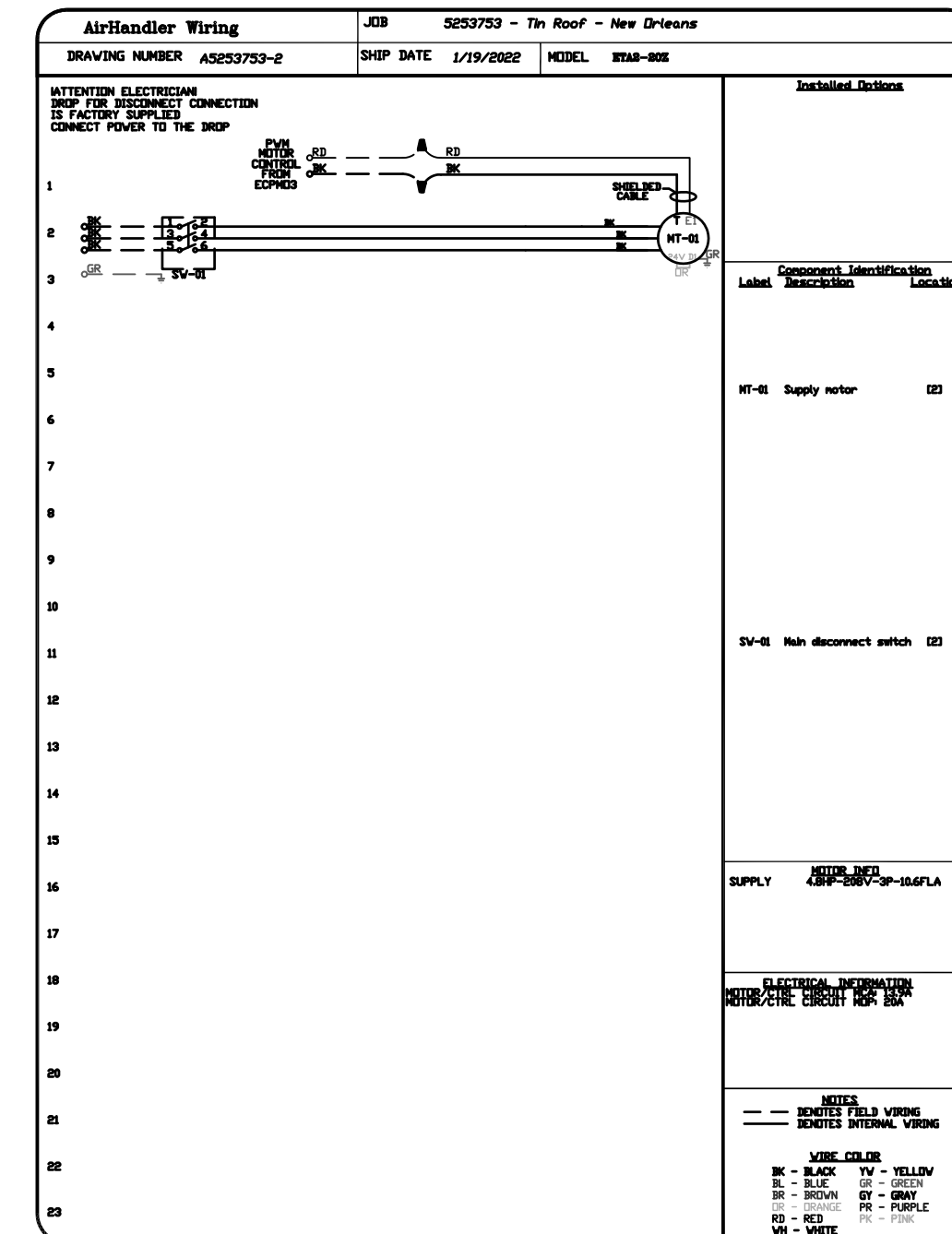
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9

DRAWING	
MECHANICAL HOOD	
DETAILS AND	
DIAGRAMS	
DRAWING BY	DWS
SCALE	AS NOTED
JOB No.	520087.00
DATE	06.24.2022
Sheet No.	

Indoor Units: 1 / 1 to 30  
Capacity: 120 / 60 to 120 (100.0%)  
\* Connectable capacity is not actual capacity.  
Total Pipe Length: 35.0 / 1968.5 feet  
Furthest Actual: 25.0 / 541.0 feet  
Furthest Equiv.: 25.0 / 623.0 feet  
After 1st Branch Actual: 10.0 / 131.0 feet  
After 1st Branch Equiv.: 10.0 / 131.0 feet

Correction Factors

Outdoor Unit Capacity: 1.00 -1.00  
Temperature: 1.04 -0.72  
Piping Length: 1.00 -1.00  
Defrosting: - -1.00  
User Derate: 1.00 -1.00

Total Derate: 1.04 -0.72  
Additional Refrigerant: 19.0 lb  
Total Refrigerant Amount: 36.6 lb

Conditions (°F)

Cooling  
Indoor DB 80.0 Humidity 51.8% Indoor WB 67.0  
Outdoor DB 95.0

Heating  
Indoor DB 70.0  
Outdoor DB 47.0 Humidity 72.8% Outdoor WB 43.0

Indoor Units: 6 / 1 to 18  
Capacity: 72 / 36 to 108 (100.0%)  
\* Connectable capacity is not actual capacity.  
Total Pipe Length: 140.0 / 1804.5 feet  
Furthest Actual: 50.0 / 541.0 feet  
Furthest Equiv.: 50.0 / 623.0 feet  
Furthest IU from BC Actual: 30.0 / 131.0 feet  
Furthest IU from BC Equiv.: 30.0 / 131.0 feet  
Furthest IU from BC Thru Sub BC Actual: 0.0 / 0.0 feet  
Furthest IU from BC Thru Sub BC Equiv.: 0.0 / 0.0 feet

Correction Factors

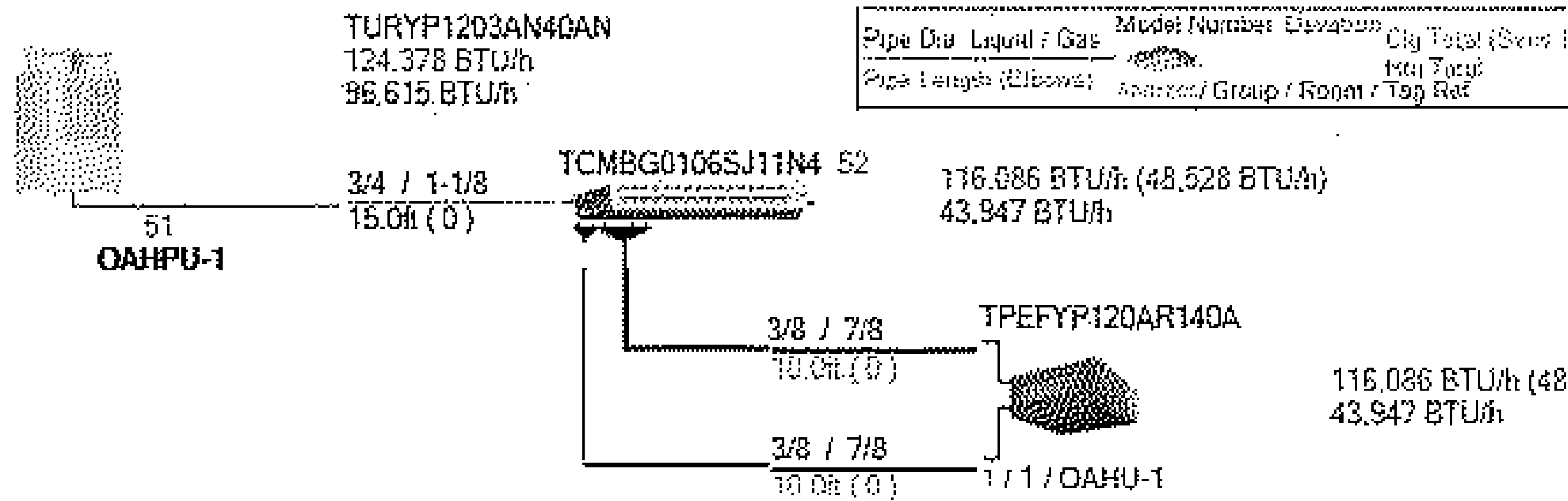
Outdoor Unit Capacity: 1.00 -1.00  
Temperature: 1.00 -1.00  
Piping Length: 0.98 -1.00  
Defrosting: - -1.00  
User Derate: 1.00 -1.00

Total Derate: 0.98 -0.99  
Additional Refrigerant: 16.7 lb  
Total Refrigerant Amount: 28.1 lb

Conditions (°F)

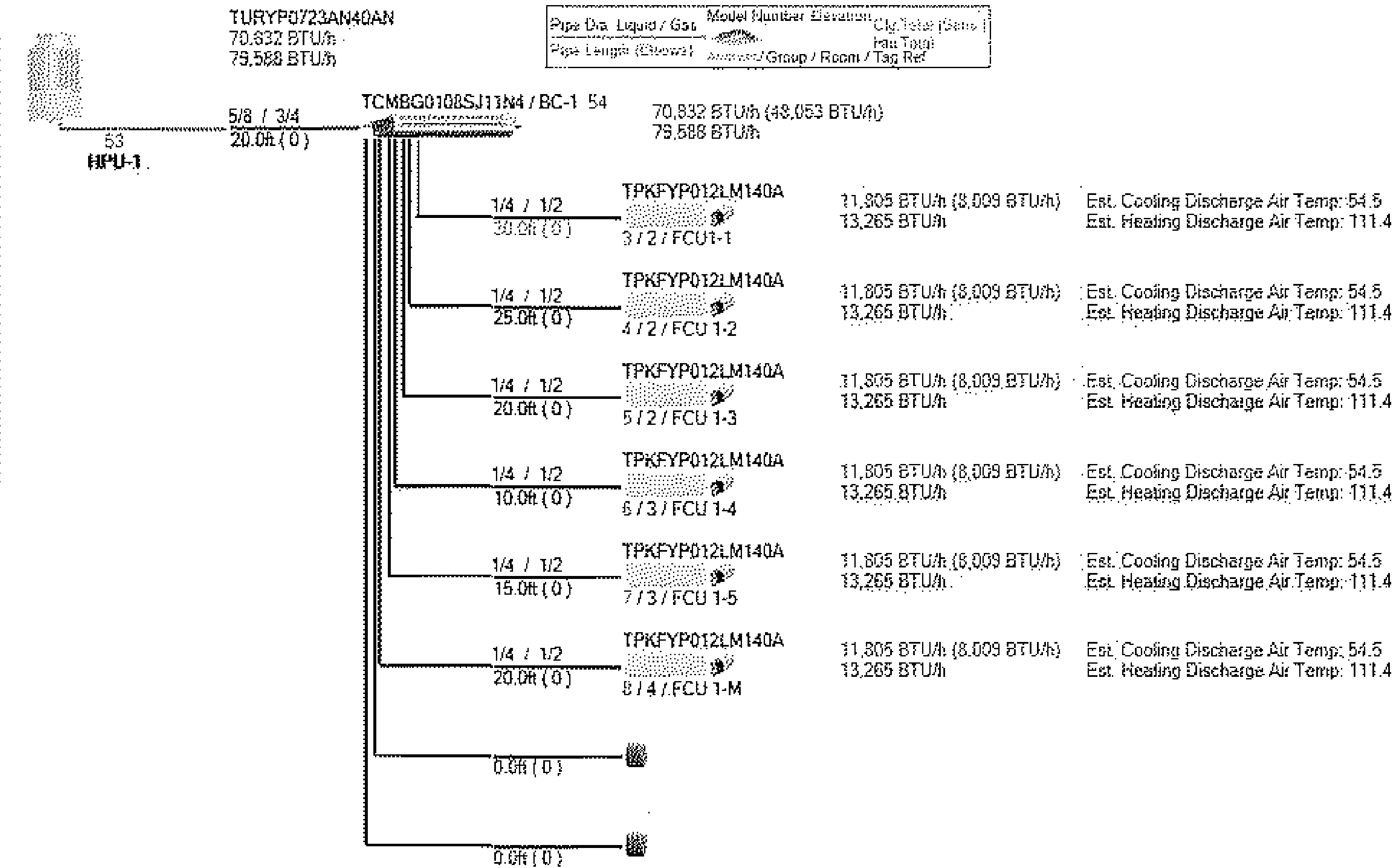
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Indoor DB 70.0  
Outdoor DB 47.0 Humidity 72.8% Outdoor WB 43.0



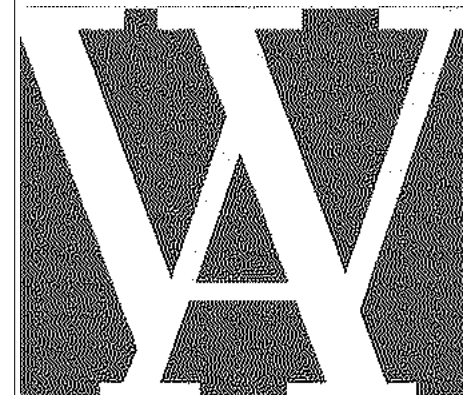
Cooling Discharge Air Data:

Cooling discharge air conditions and sensible capacity are for reference only - minimum achievable cooling discharge air conditions will not be lower than the minimum selectable cooling coil control discharge set point of 50°F dry bulb or the corresponding cooling coil leaving air temperature when the unit is set in the 45% RH mode with the minimum reheat coil LAT set point of 63°F. In this mode the coil discharge temperature will be greater than 41°F.



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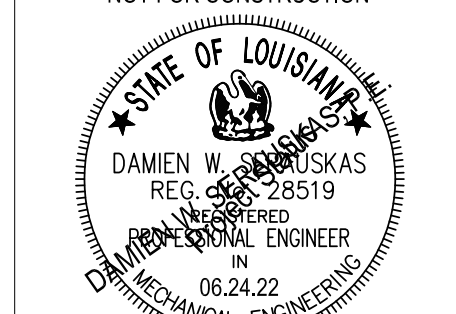
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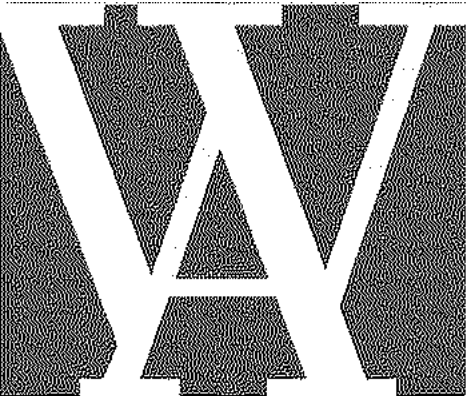
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DETAILS AND  
DIAGRAMS  
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SCALE  
JOB No.  
DATE

Sheet No.

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DRAWING  
PLUMBING LEGEND  
AND SCHEDULES

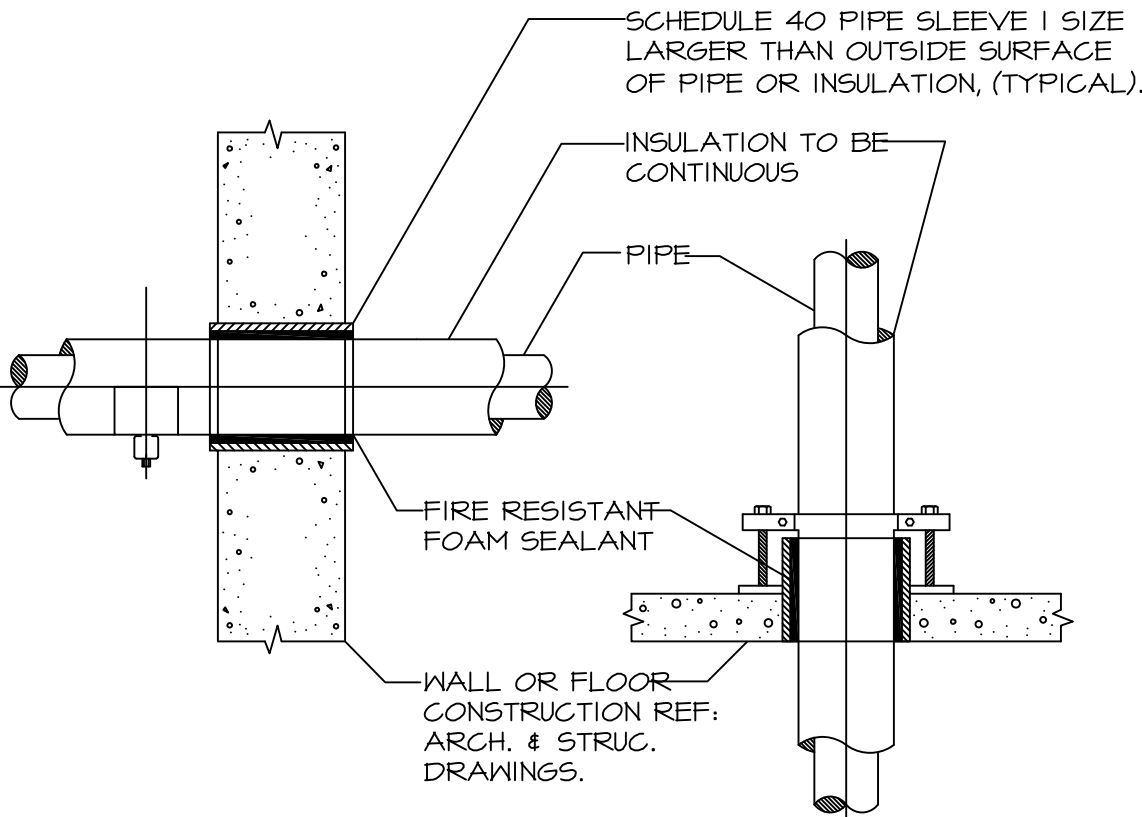
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Sheet No.

P100

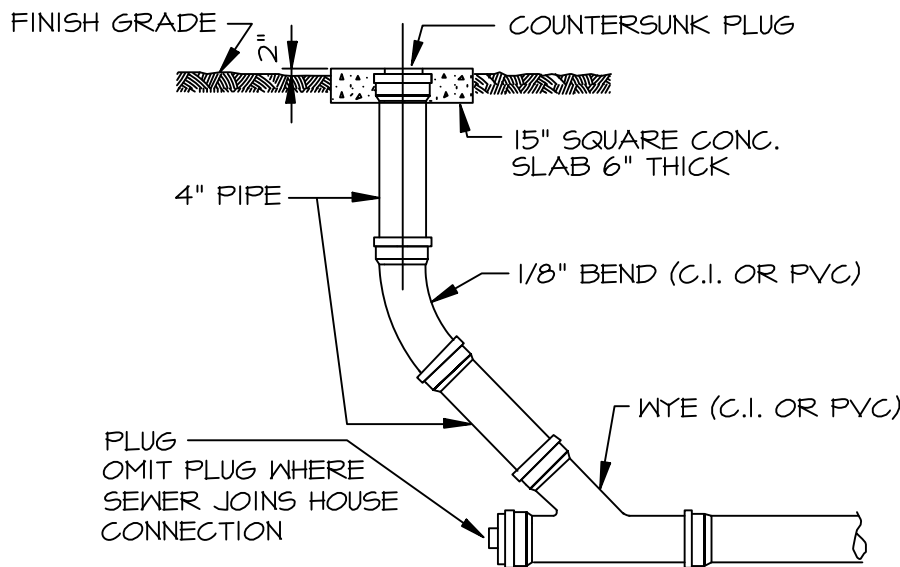
GAS WATER HEATER SCHEDULE							
TAG	SIZE	CAP MBH	RECOVERY @ 60°F RISE	TOTAL MBH	TYPE	LOCATION	REMARKS
WH-1	INSTANT	380.0	11.0 GPM	380.0	INSTNT	ABV WALK-IN	TAKAGI TM-50, OUTDOOR KIT, SET AT 1410°F
WH-2	INSTANT	380.0	11.0 GPM	380.0	INSTNT	ABV WALK-IN	TAKAGI TM-50, OUTDOOR KIT, SET AT 1410°F
WH-3	INSTANT	380.0	11.0 GPM	380.0	INSTNT	ABV WALK-IN	TAKAGI TM-50, OUTDOOR KIT, SET AT 1410°F
NOTE: UNITS SHALL EXCEED ASHRAE 90.1 BASELINE REQUIREMENTS. NOTE: PROVIDE MULTI-CONTROLLER FOR CONTROL OF HEATER MANIFOLD							

PLUMBING FIXTURE SCHEDULE					
TAG	DESCRIPTION	ROUGH-IN			MODEL
		WASTE	CW	HW	
F-1	STD WATER CLOSET, WHITE VIT CHINA, FLUSH VALVE, STANDARD HEIGHT	3"	1/2"	--	AM STD A2257101020 AFHALL FLOWIS SLOAN 53780010 F.V. OPEN FRONT SEAT, LESS COVER
F-1A	ADA WATER CLOSET, WHITE VIT CHINA, PRESS ASSIST, ADA HEIGHT	3"	1/2"	--	SAME AD F-1, MOUNTED AT ADA-HEIGHT
F-2/2A	UNDERCOUNTER MOUNT STAINLESS O-HOOLE BOWL, 20X18, 4" CENTERSET FAUCET W/ FIXED SPOUT	1 1/2"	1/2"	1/2"	ELKAY ERLLYR12 STAINLESS BOWL W/ O'FLOW, AM. STD. A7075004002 (F-2A WITH INSULATED SYSTEM BELOW)
F-3	URINAL, WHITE VIT CHINA 1.0GPF FLUSH VALVE WITH CARRIER	1-1/2"	3/4"	--	AM STD A6561017020 TRIMBROOK SLOAN 53012636 F.V. WITH WCA311/321 CARRIER
MIX	LEONARD HIGH-LOW THERMOSTATIC MIXING VALVE ASSEMBLY	--	1-1/2"	1-1/2"	LEONARD TM-520-LF-DT IN CABINET
F6	MOP SERVICE BASIN WITH WALL-MOUNT BRACKET CHROME FAUCET	2"	3/4"	3/4"	REFERENCE ARCH SHEET A6.00 FOR FIXTURE SELECTIONS
NOTE	FLOOR DRAINS, SINKS, TROUGH DRAINS, FAUCETS, ETC. BY FOODSERVICE CONSULTANT	==	==	==	REFERENCE FOODSERVICE PLANS AND SPECS FOR FIXTURE SELECTIONS
INSULATE ALL WASTE AND SUPPLY PIPING FOR ADA-COMPLIANT FIXTURES, OR PROVIDE TRUE-BRO LAV-GUARD(TM) SYSTEM.  NOTE: SET MAXIMUM DELIVERY TEMP TO NOT EXCEED 105°F - COMMISSION AFTER INSTALLATION OF WATER HEATERS.					



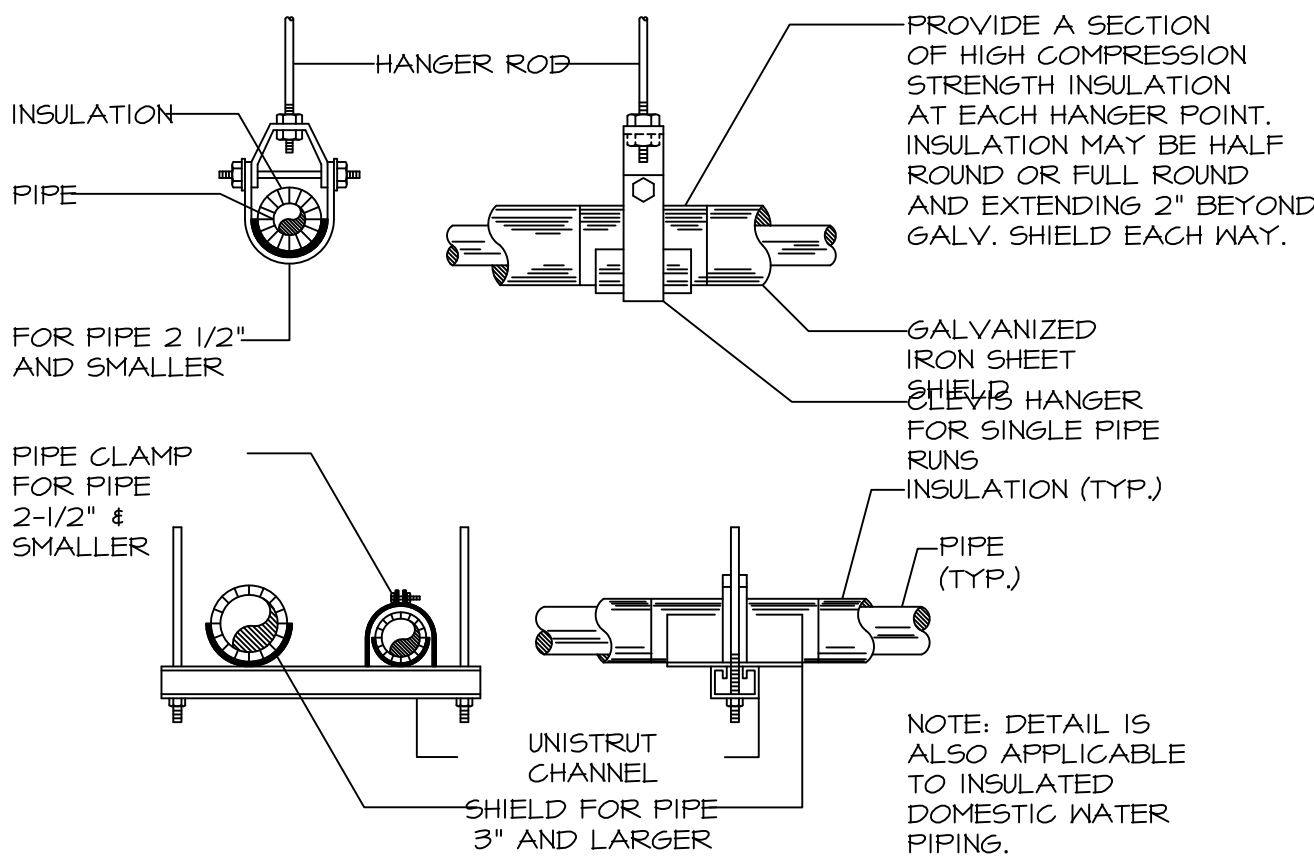
1  
P100  
PIPE SLEEVE DETAILS

SCALE: NONE



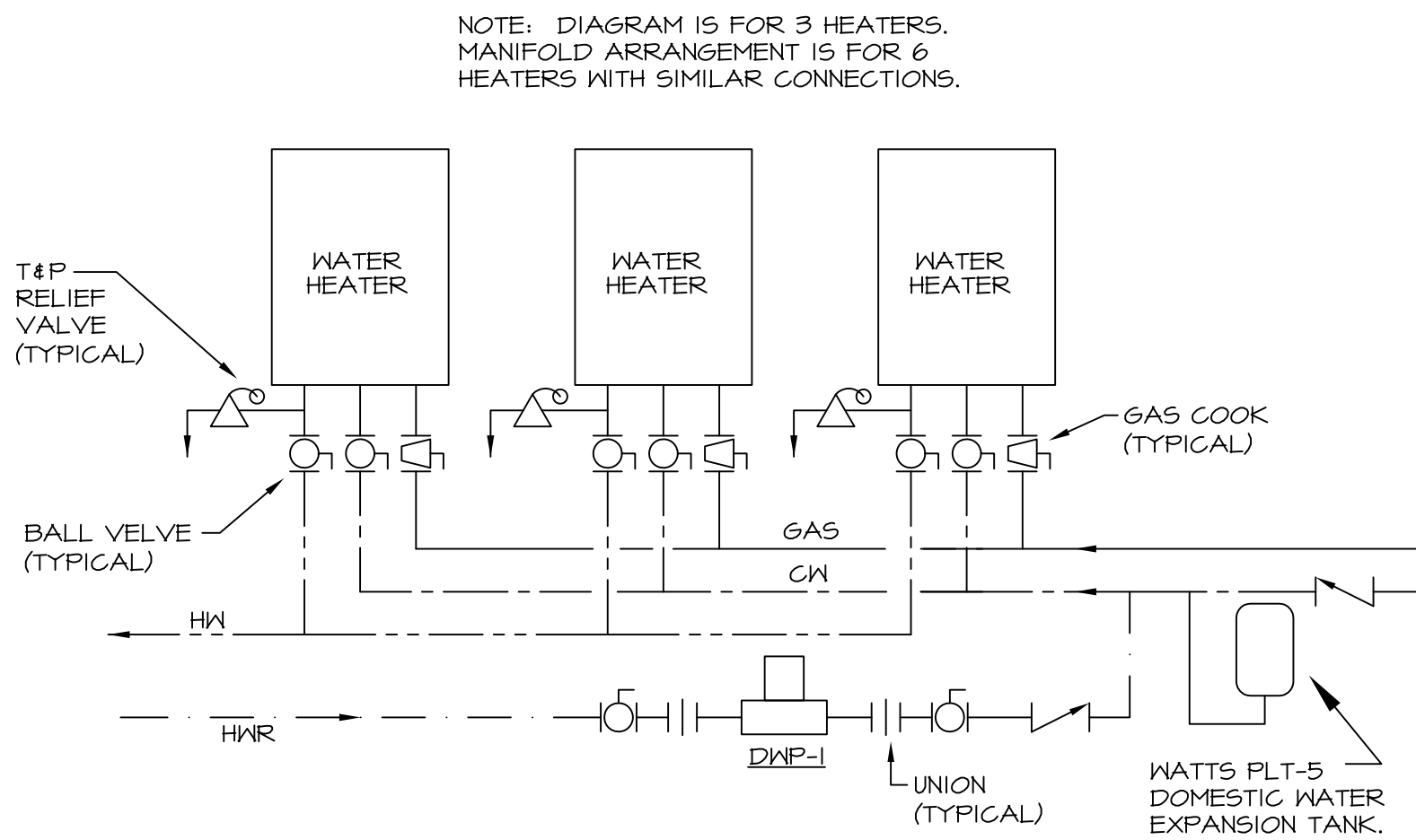
2  
P100  
CLEANOUT AT GRADE DETAIL

SCALE: NONE



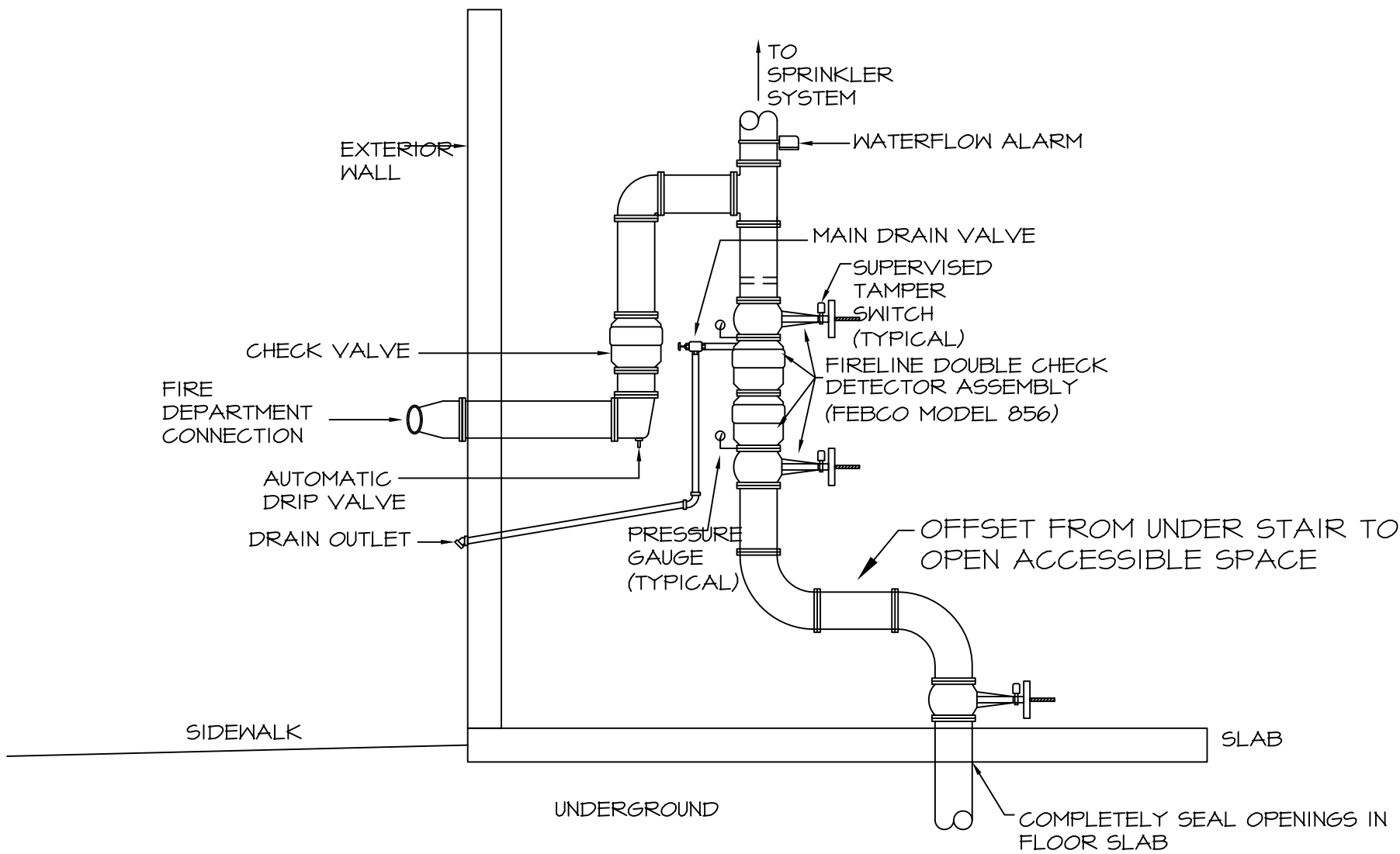
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P100  
PIPE HANGER AND SUPPORT DETAILS

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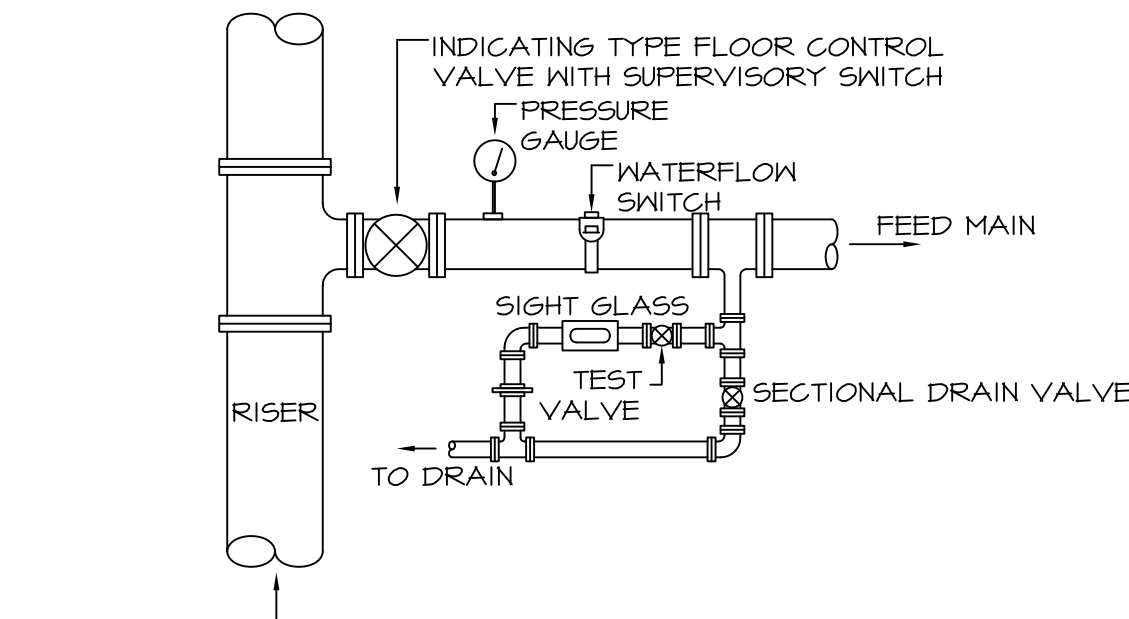
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P100  
WATER HEATER INSTALLATION DIAGRAM

SCALE: NONE



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P100  
TYPICAL FIRE RISER DETAIL

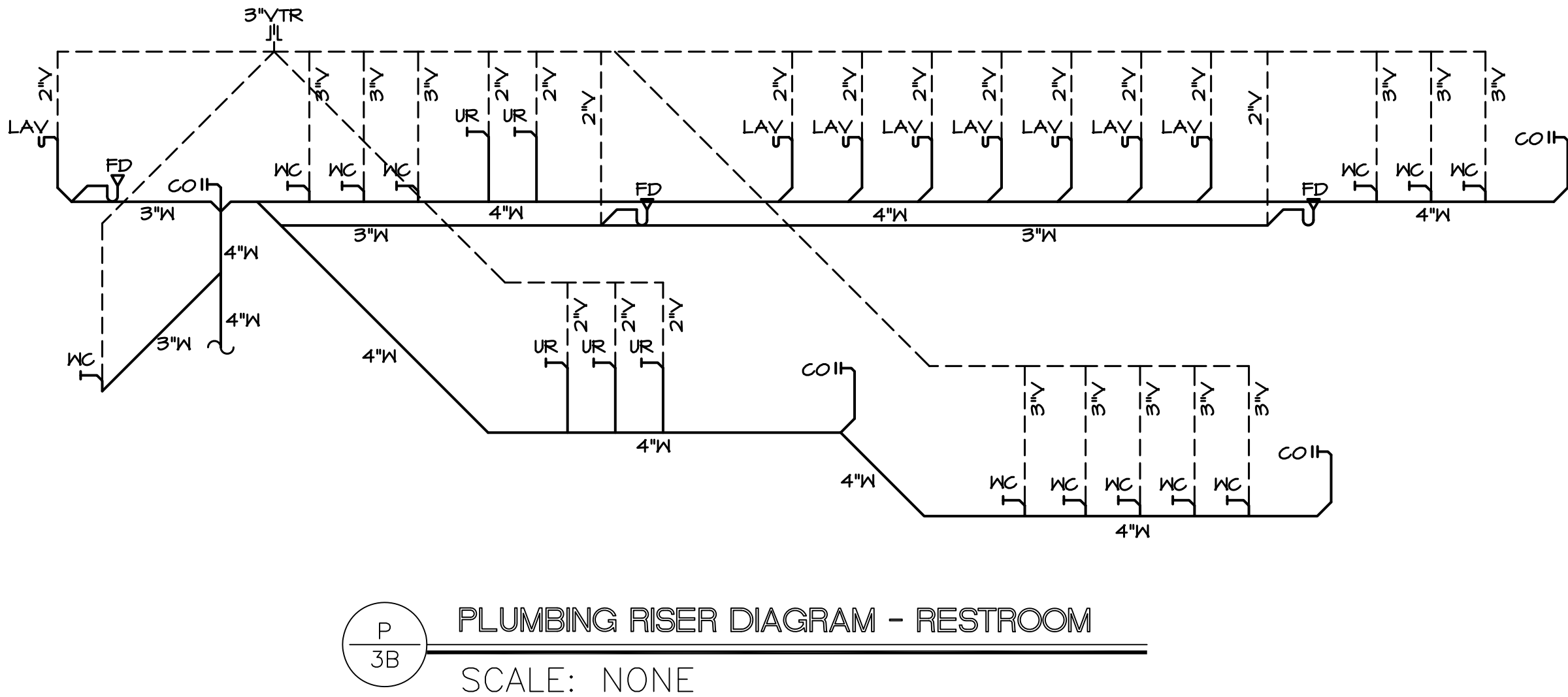
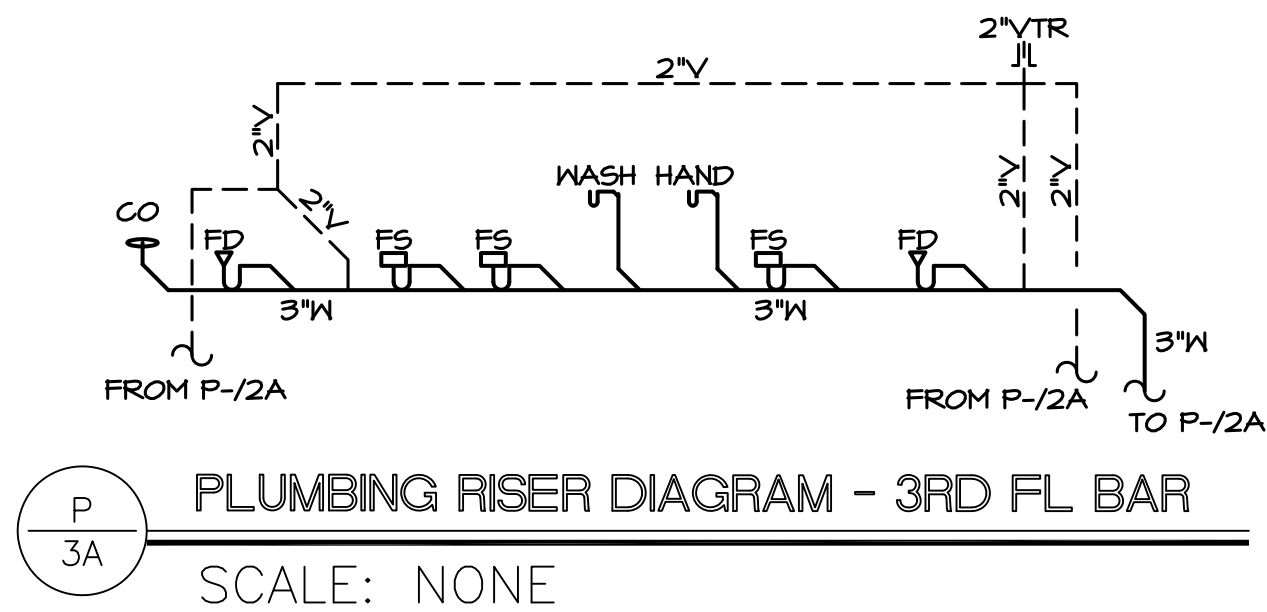
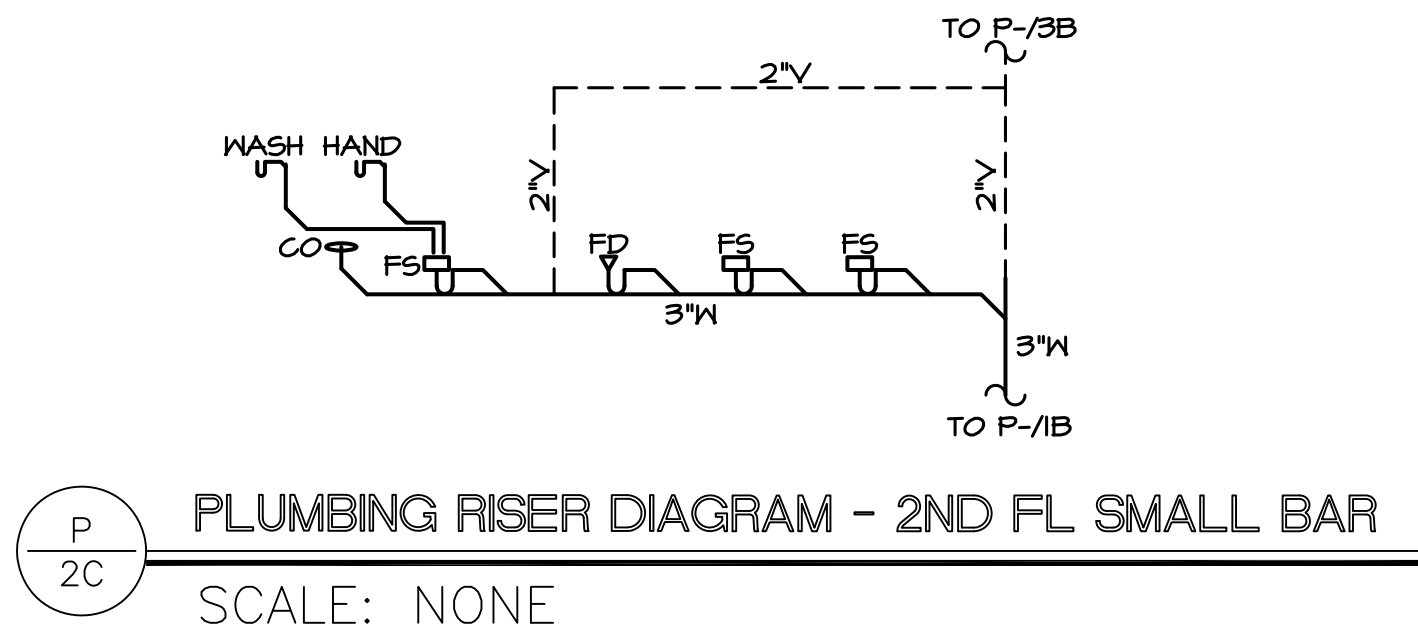
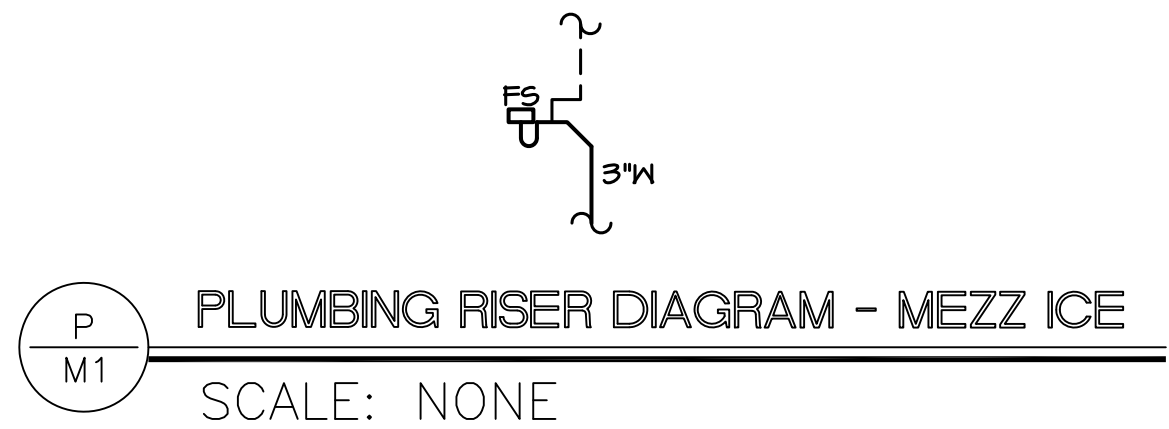
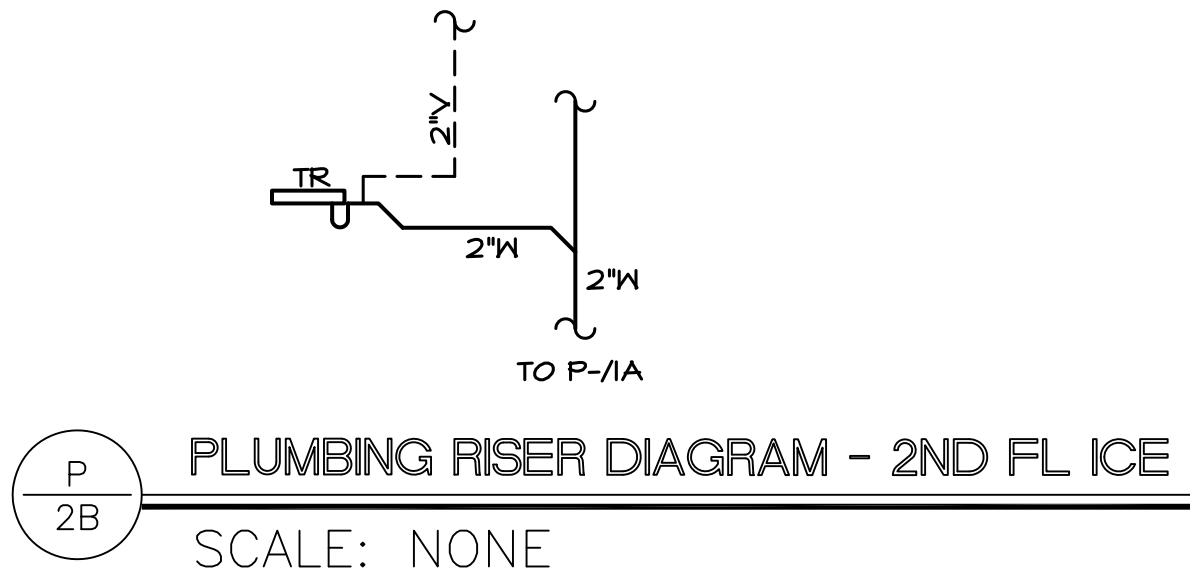
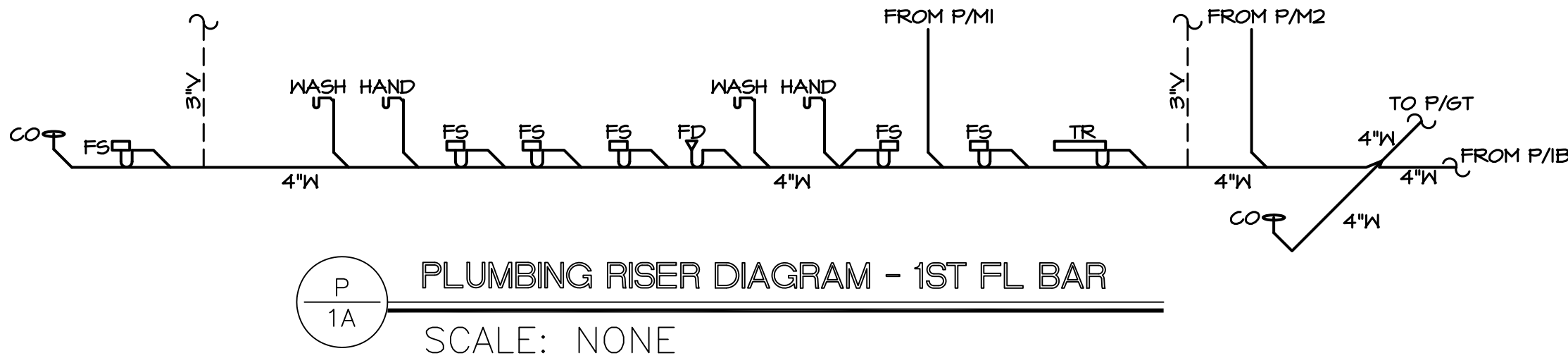
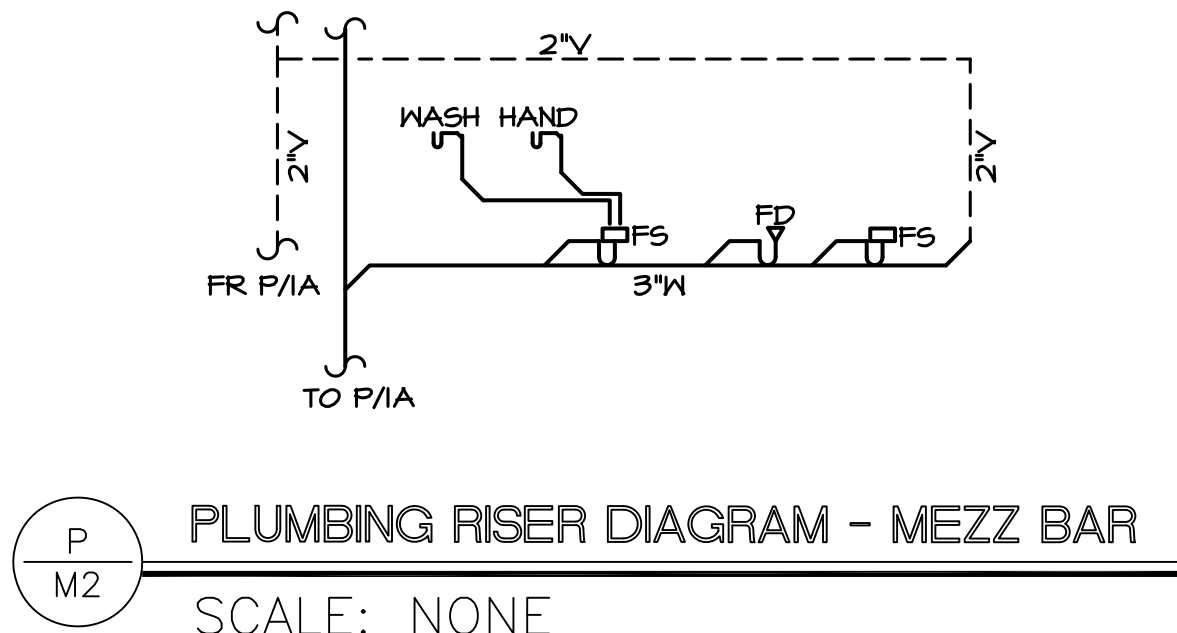
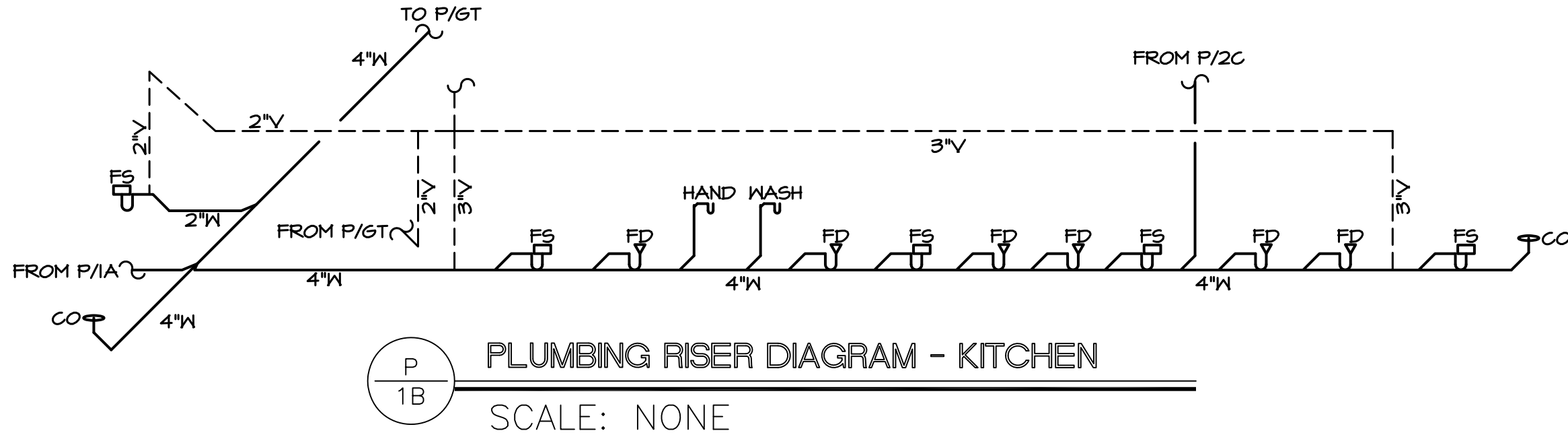
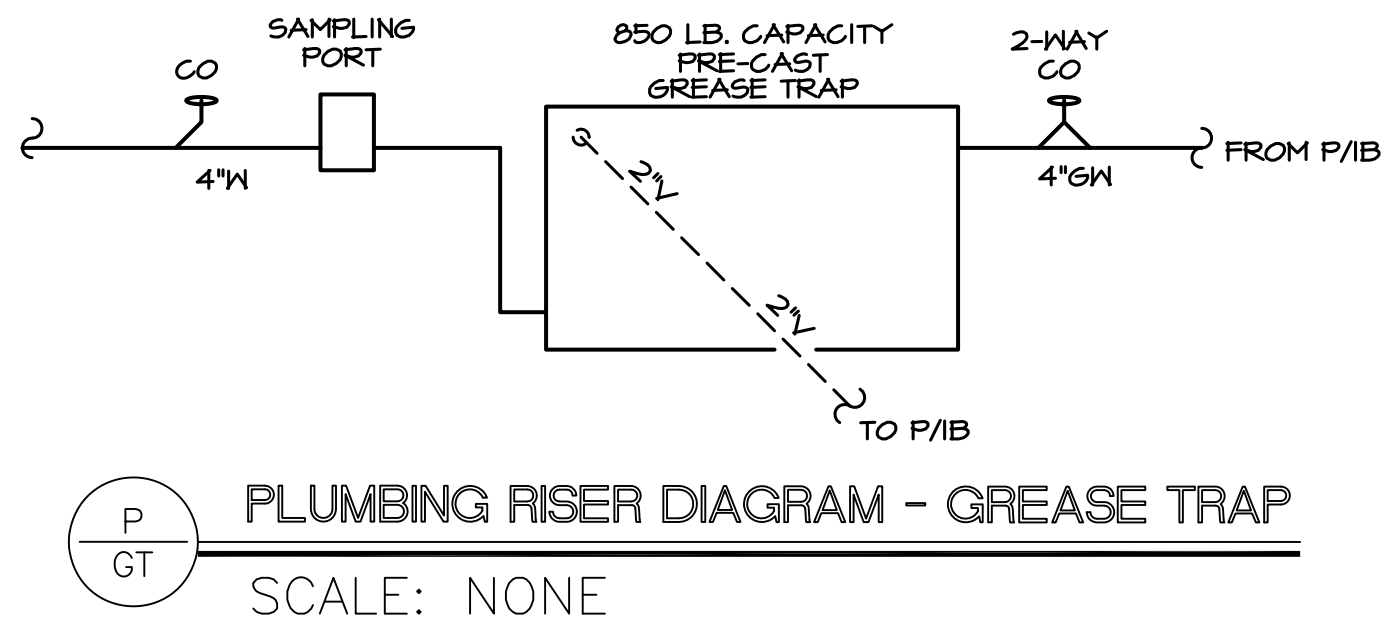
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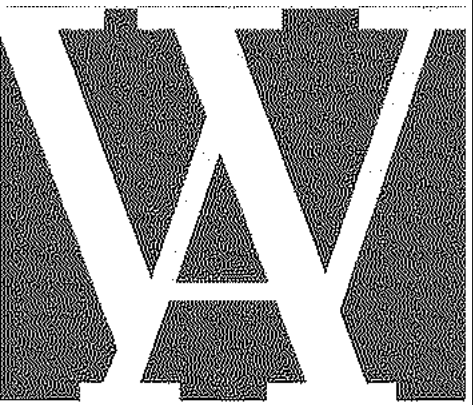
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FLOOR CONTROL STATION DETAIL

SCALE: NONE





APPROVED  
maevans , 7/27/2022 ,7:14:53 AM



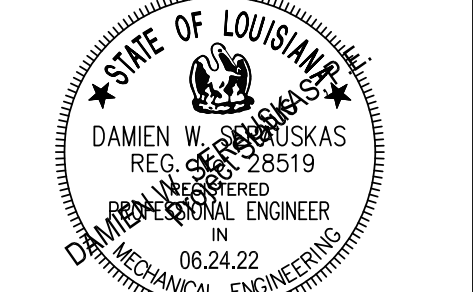
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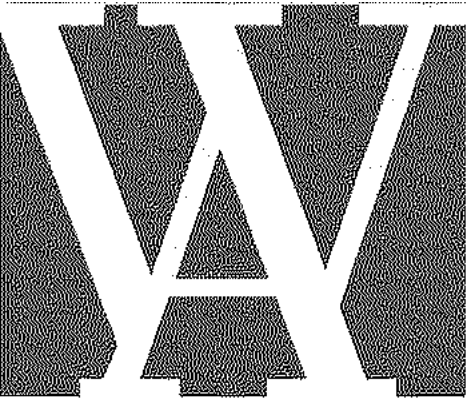
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No.	Date	Scope
1	06/02/22	MECH REV'S
2	06/24/22	PERMIT SET

DRAWING  
PLUMBING RISER  
DIAGRAMS

DRAWING BY DWS  
SCALE AS NOTED  
JOB No. 520087.00  
DATE 06.24.2022

Sheet No.

P200



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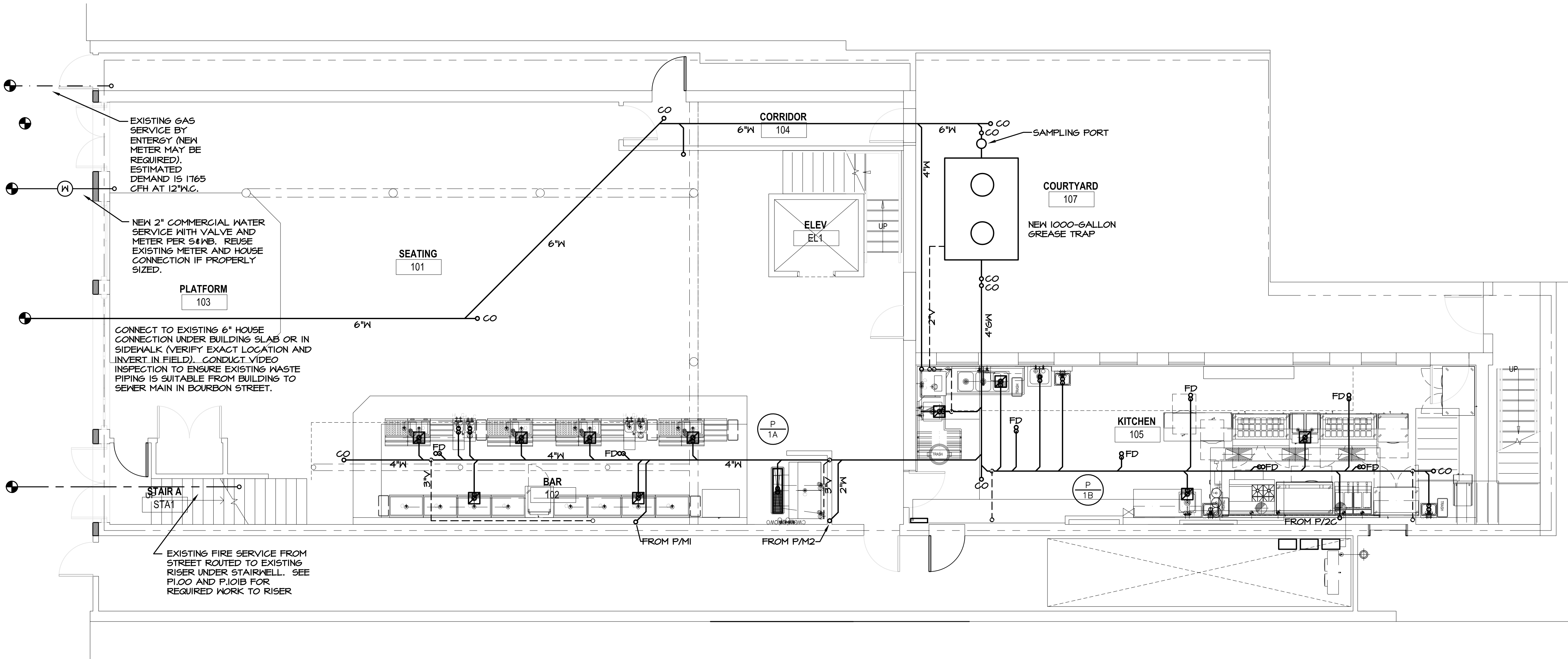
No.	Date	Scope
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2	06/24/22	PERMIT SET

DRAWING  
FIRST FLOOR BELOW  
FLOOR PLUMBING PLAN

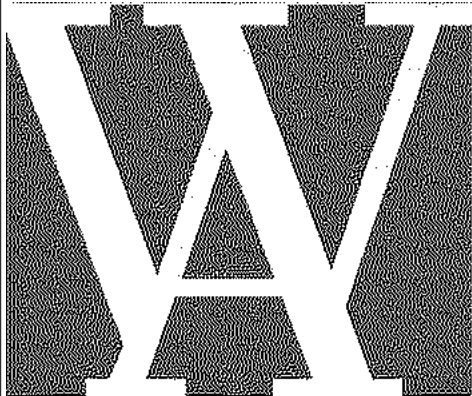
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JOB No. 520087.00  
DATE 06.24.2022

Sheet No.

P101A



① First Floor Below Floor Plumbing Plan  
3/16" = 1'-0"

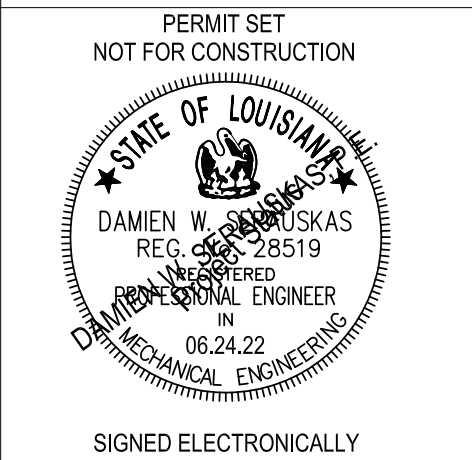


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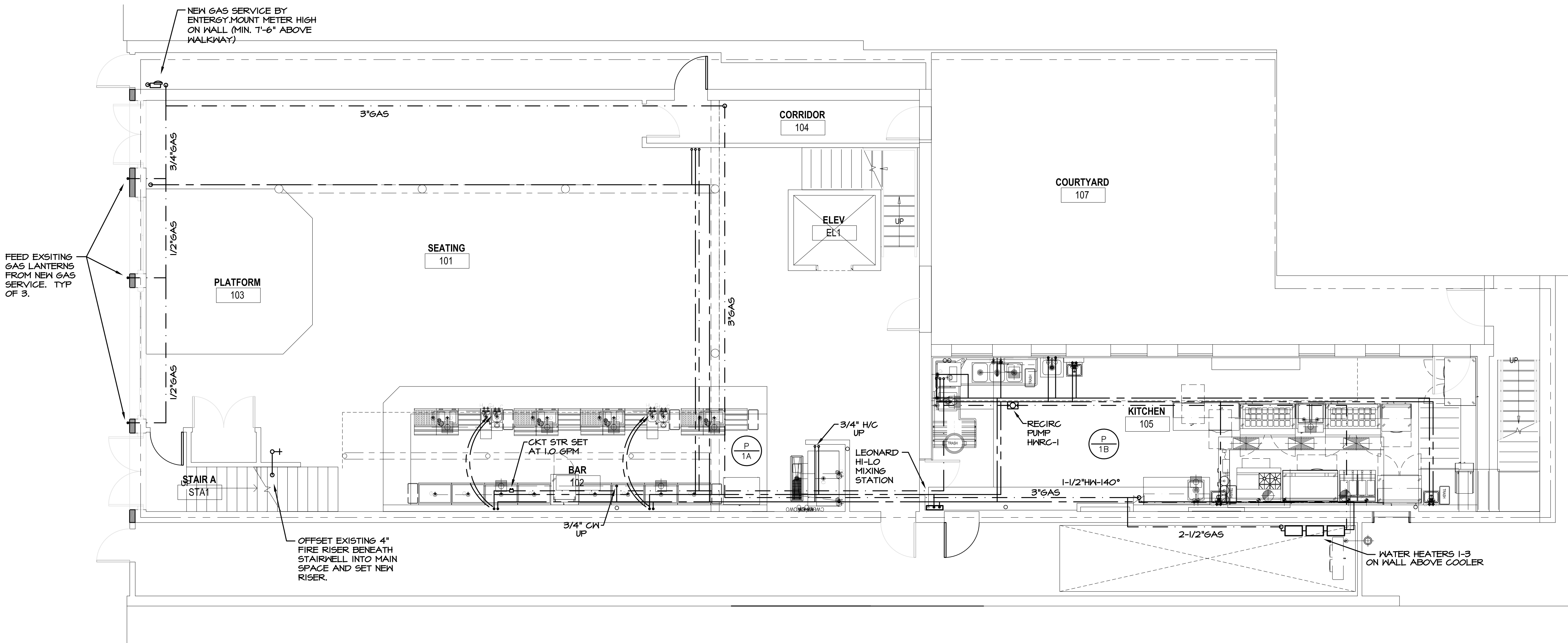
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No.	Date	Scope
1	06/02/22	MECH REV'S
2	06/24/22	PERMIT SET

DRAWING  
FIRST FLOOR ABOVE  
FLOOR PLUMBING PLAN

DRAWING BY DWS  
SCALE AS NOTED  
JOB No. 520087.00  
DATE 06.24.2022

Sheet No.

P101B



① First Floor Above Floor Plumbing Plan  
3/16" = 1'-0"





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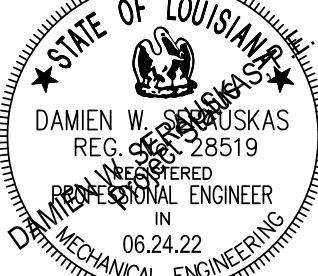
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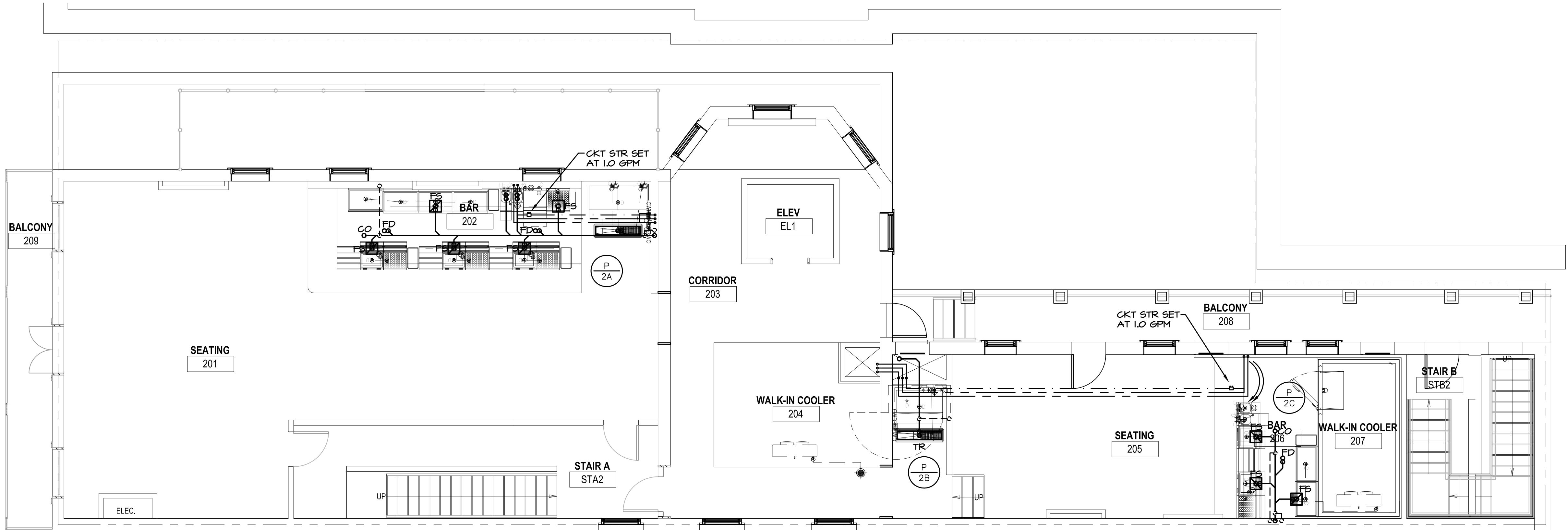
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No.	Date	Scope
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2	06/24/22	PERMIT SET

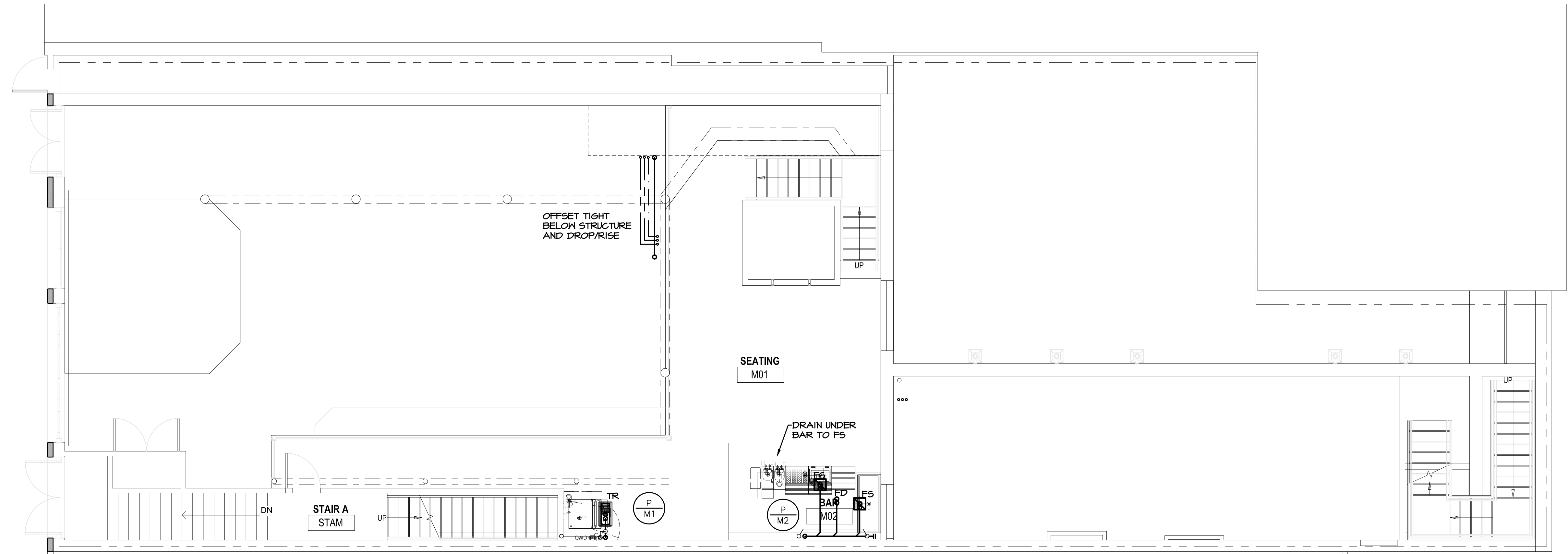
DRAWING  
SECOND FLOOR  
PLUMBING PLAN

DRAWING BY DWS  
SCALE AS NOTED  
JOB No. 520087.00  
DATE 06/24/2022  
Sheet No.

P102

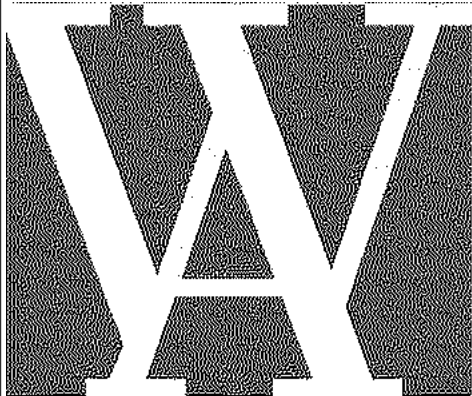


② Second Floor Plumbing Plan  
3/16" = 1'-0"



① Mezzanine Level Plumbing Plan  
3/16" = 1'-0"

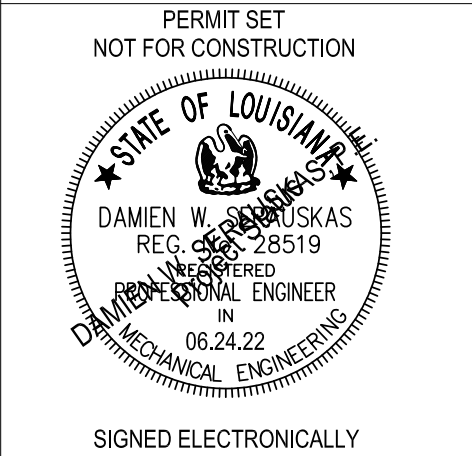
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PROFESSIONAL ENGINEERING SERVICES  
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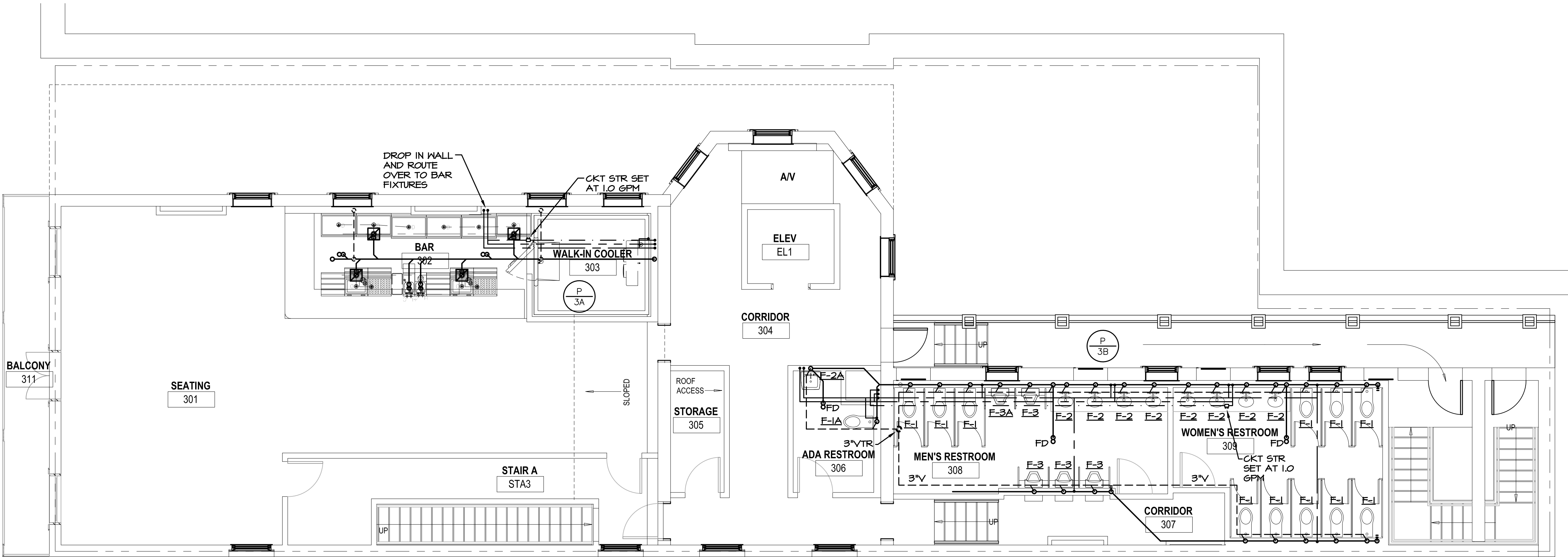
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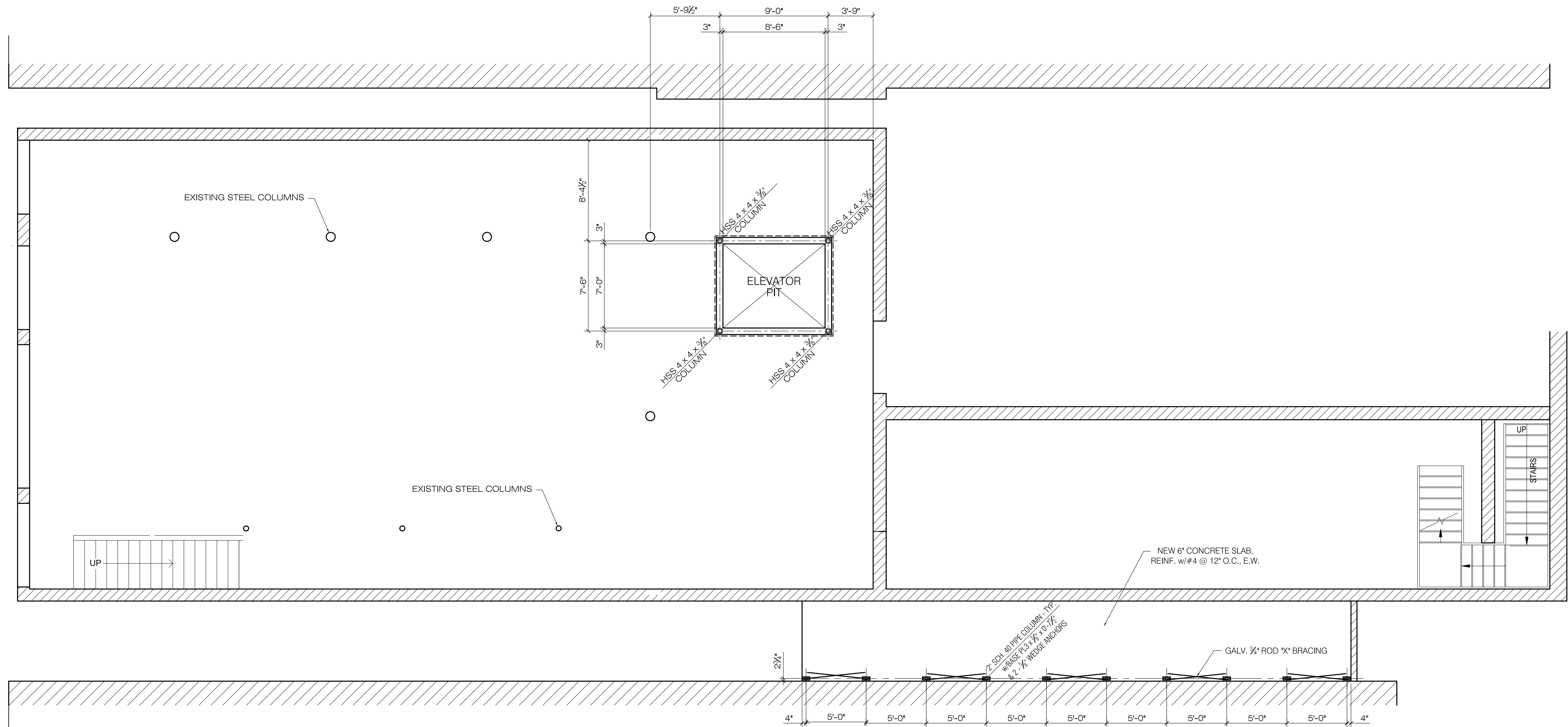
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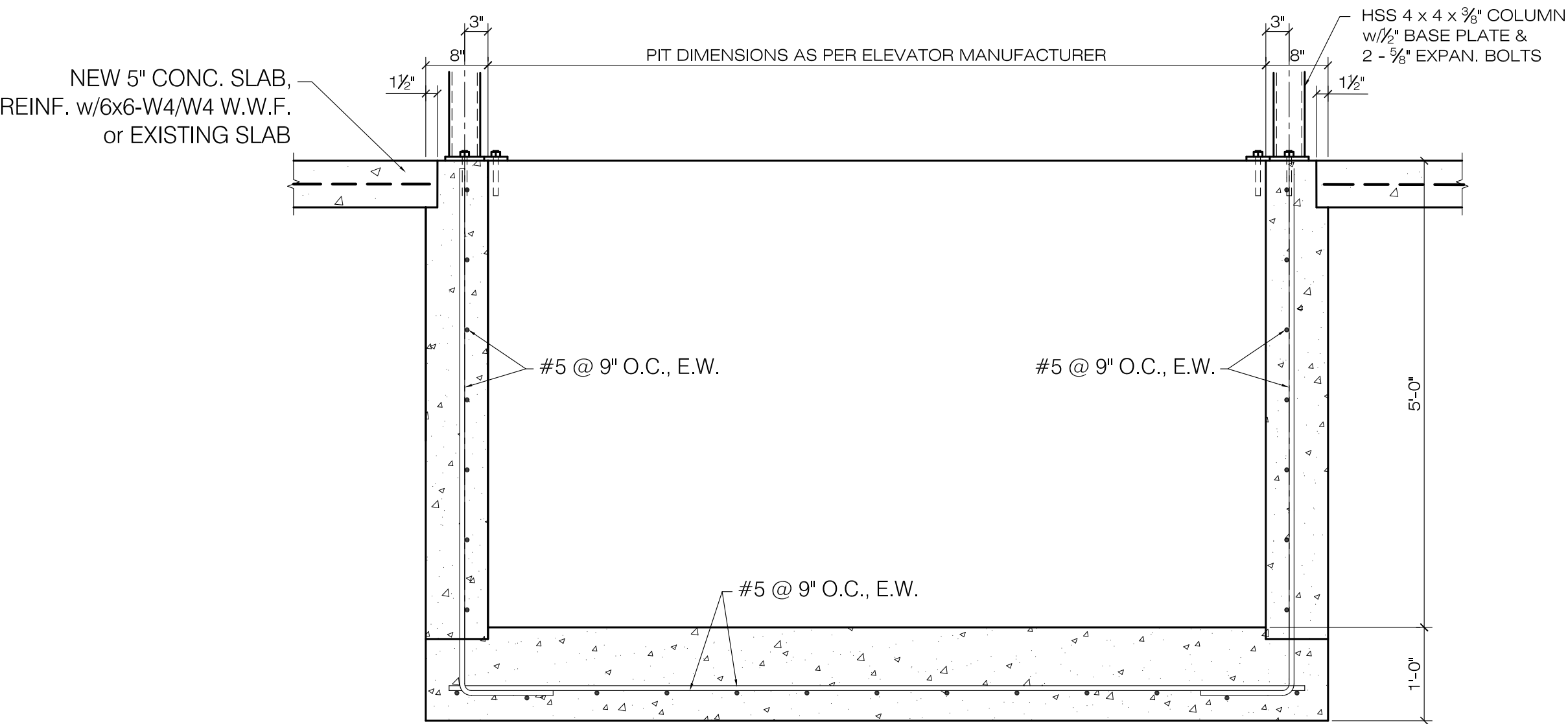
① Third Floor Plumbing Plan  
3/16" = 1'-0"

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No.	Date	Scope
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2	06/24/22	PERMIT SET

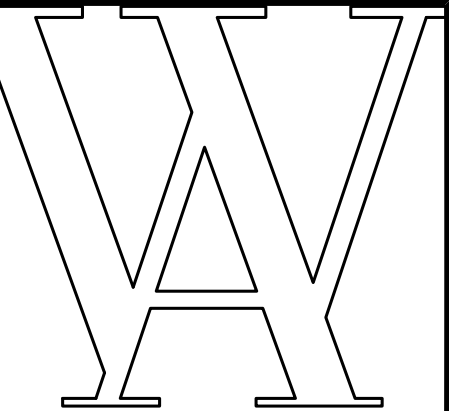
DRAWING  
THIRD FLOOR  
PLUMBING PLAN  
  
DRAWING BY DWS  
SCALE AS NOTED  
JOB No. 520087.00  
DATE 06.24.2022  
Sheet No.



GROUND FLOOR SLAB PLAN  
SCALE: 3/16" = 1'-0"



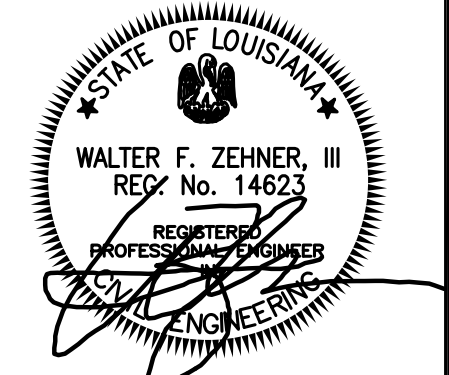
ELEVATOR PIT & SLAB DETAIL  
SCALE: 3/4" = 1'-0"



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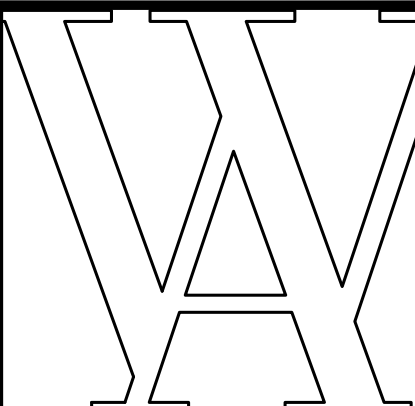
- REVISIONS -		
No.	Date	Scope
1	6/7/2022	

DRAWING  
GROUND FLOOR SLAB PLAN  
& DETAILS  
DRAWN BY:  
SCALE:  
JOB No.: 520087.00  
DATE: APRIL 18, 2022

Sheet No.:

S101



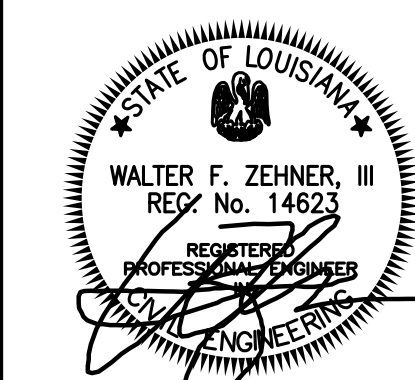


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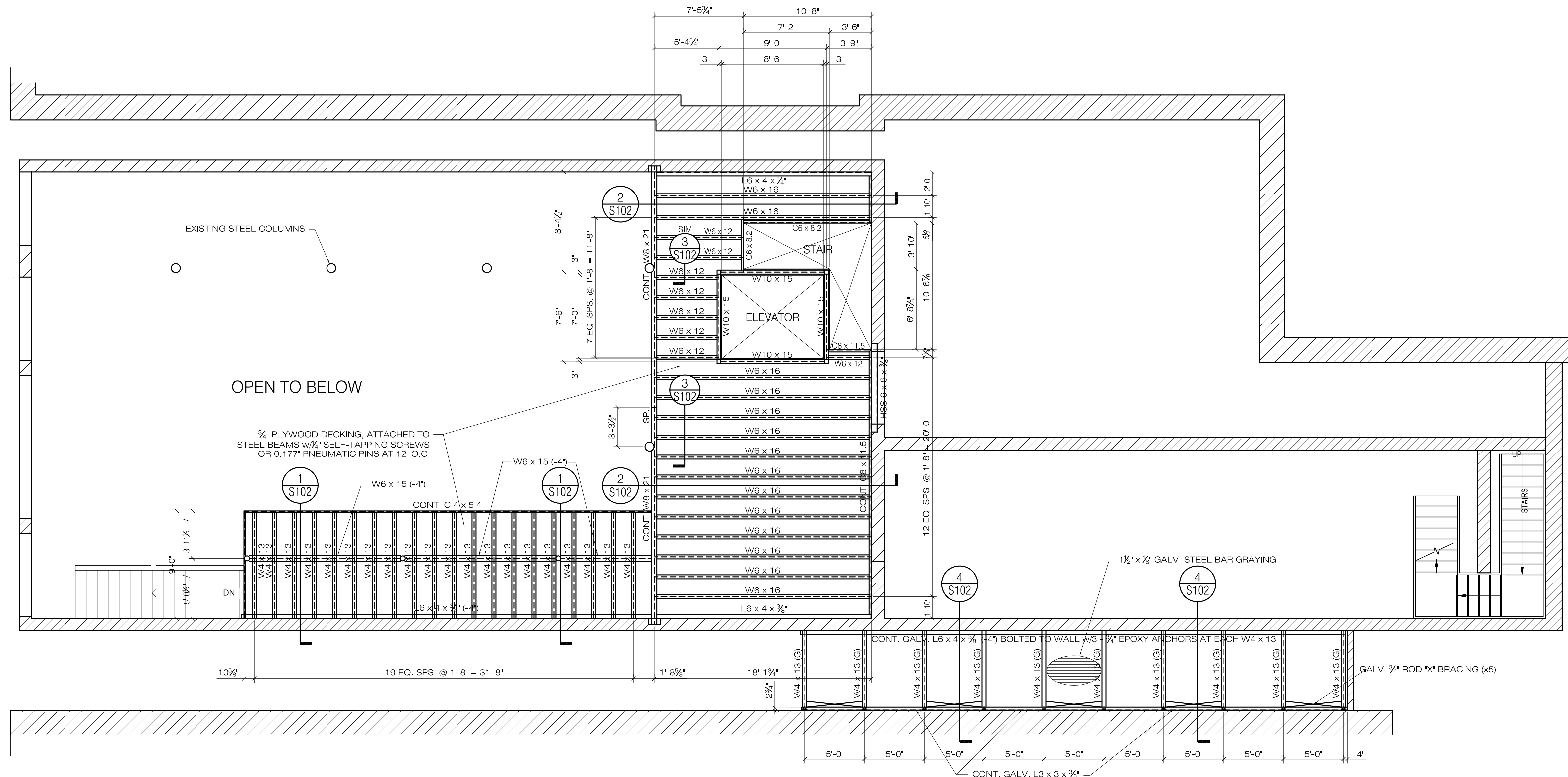
No.	Date	Scope
1	6/7/2022	

DRAWING:  
MEZZANINE FRAMING PLAN  
& DETAILS

DRAWN BY:  
SCALE:  
JOB No.: 520087.00  
DATE: APRIL 18, 2022

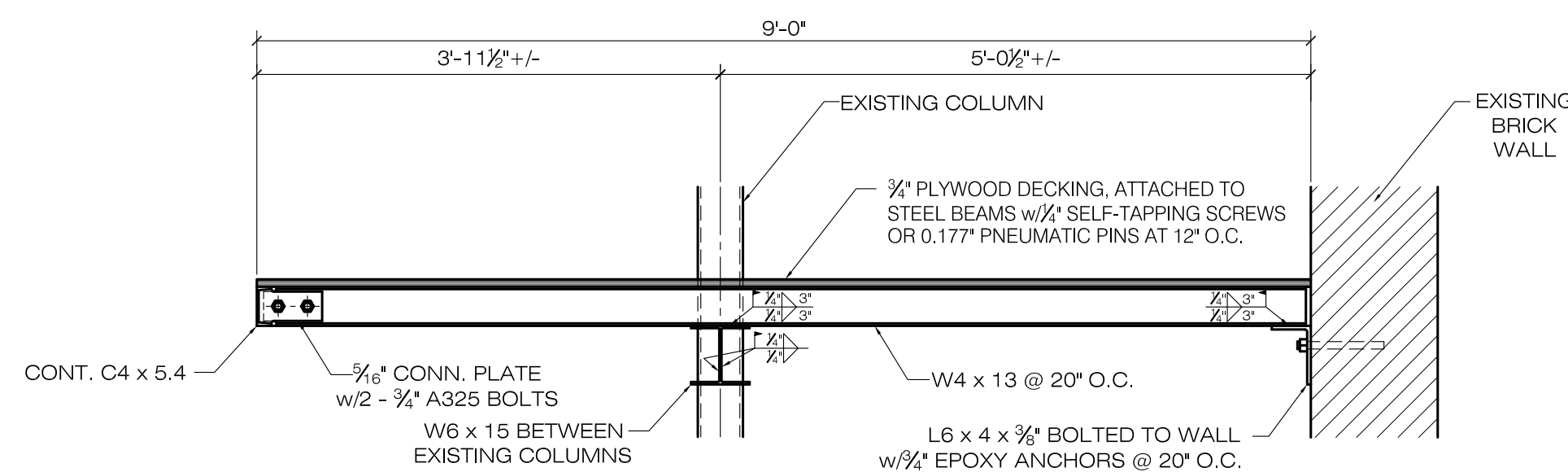
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S102



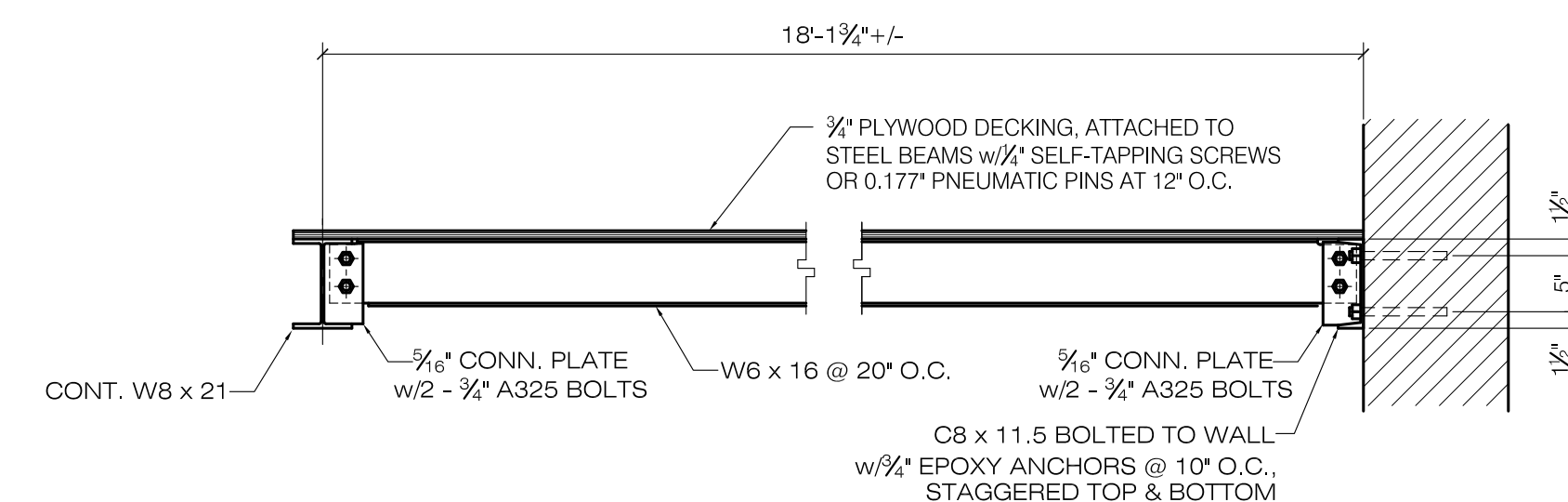
MEZZANINE FRAMING PLAN

SCALE: 3/16" = 1'-0"



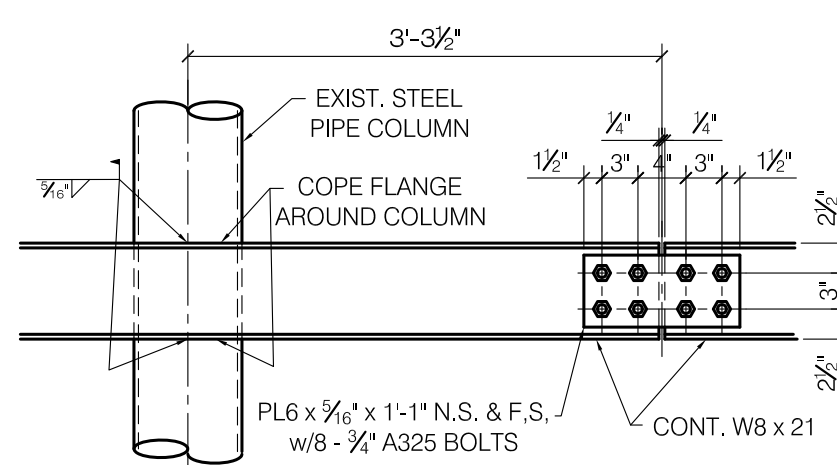
SECTION 1

SCALE: 3/4" = 1'-0"



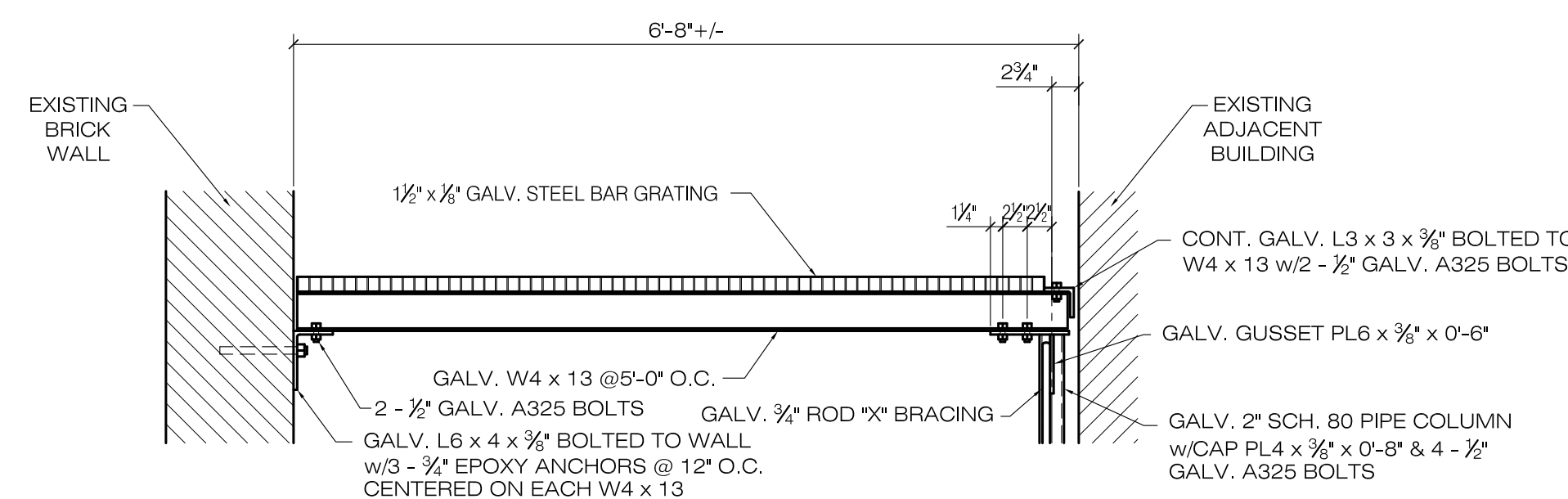
SECTION 2

SCALE: 3/4" = 1'-0"



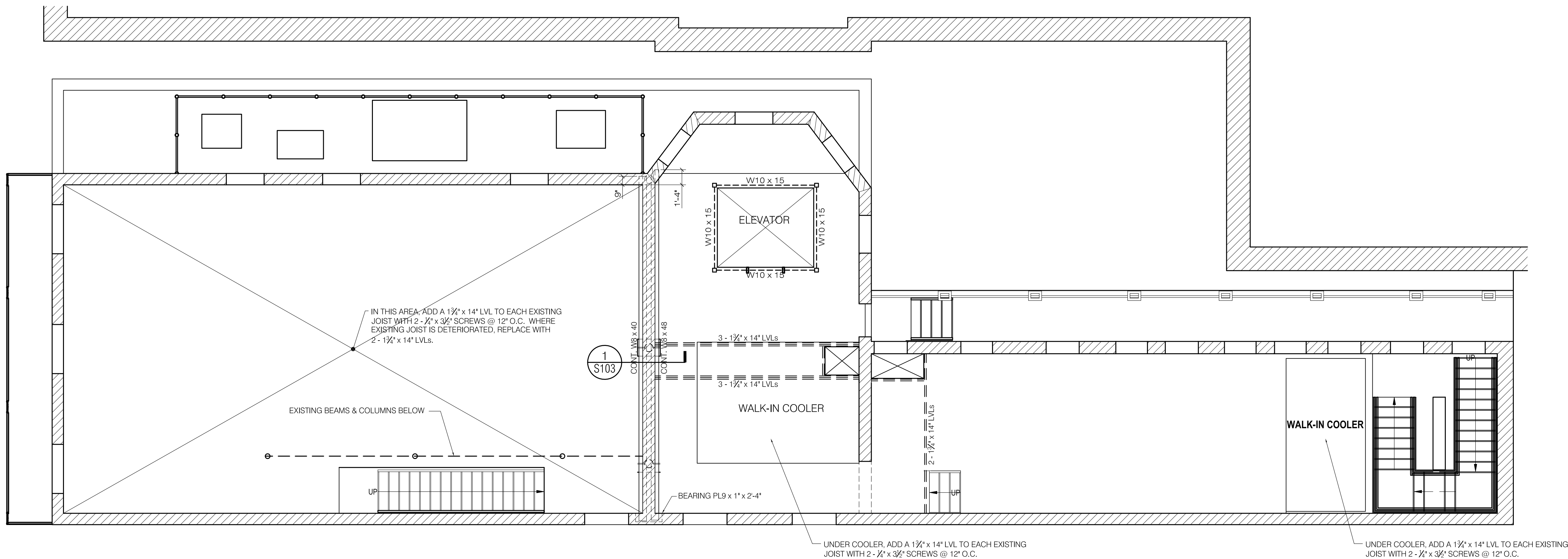
SECTION 3

SCALE: 3/4" = 1'-0"

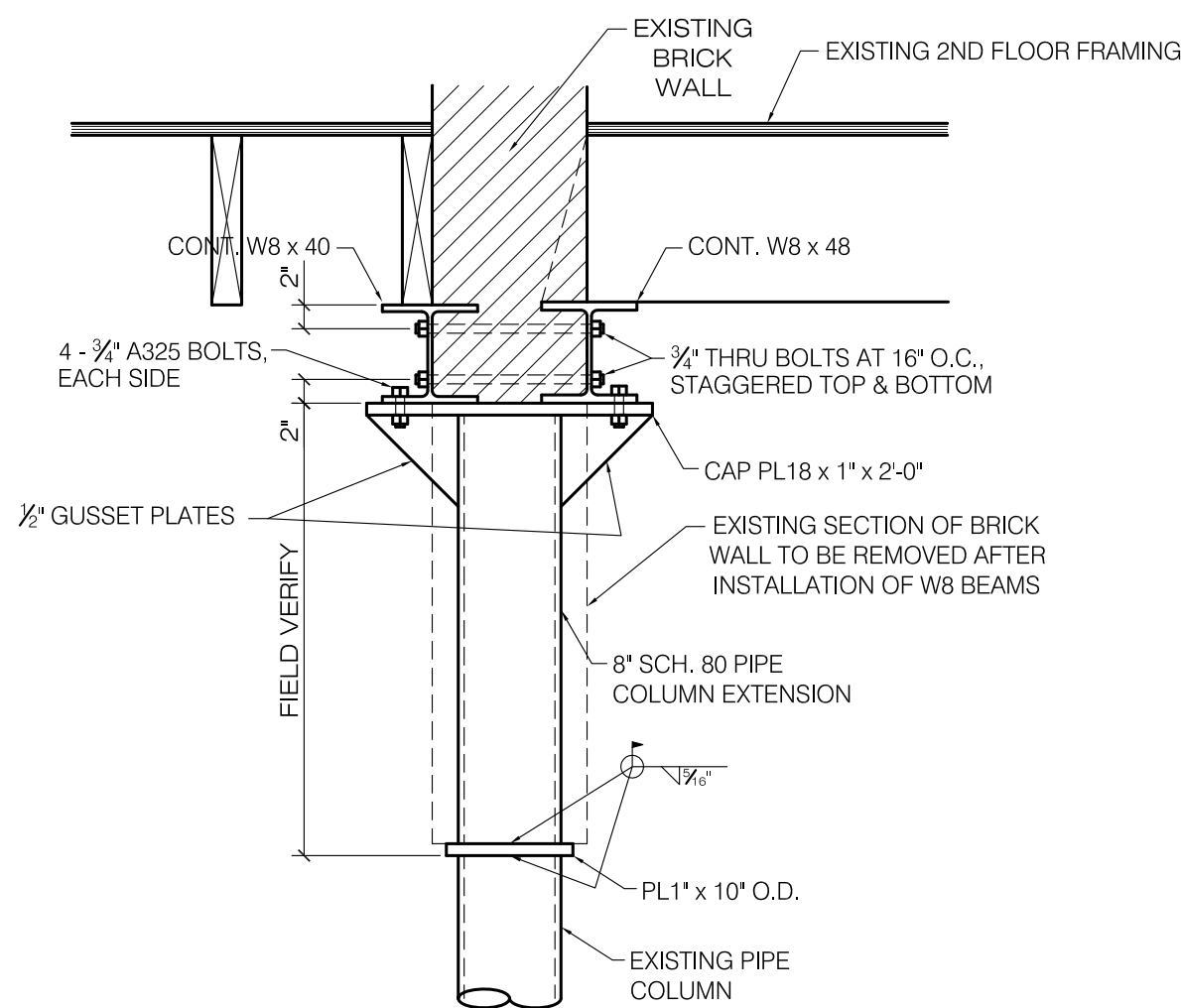


SECTION 4

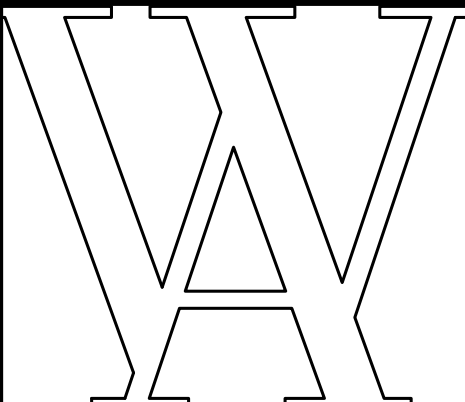
SCALE: 3/4" = 1'-0"



SECOND FLOOR FRAMING PLAN  
SCALE: 3/16" = 1'-0"



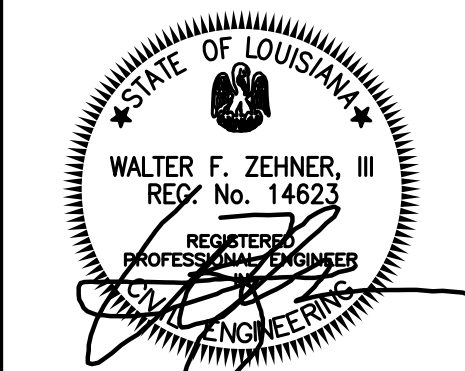
1 S103 SECTION  
SCALE: 3/4" = 1'-0"



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DRAWING:  
SECOND FLOOR FRAMING PLAN & DETAILS  
DRAWN BY:  
SCALE:  
JOB No.: 520087.00  
DATE: APRIL 18, 2022

Sheet No.:

S103