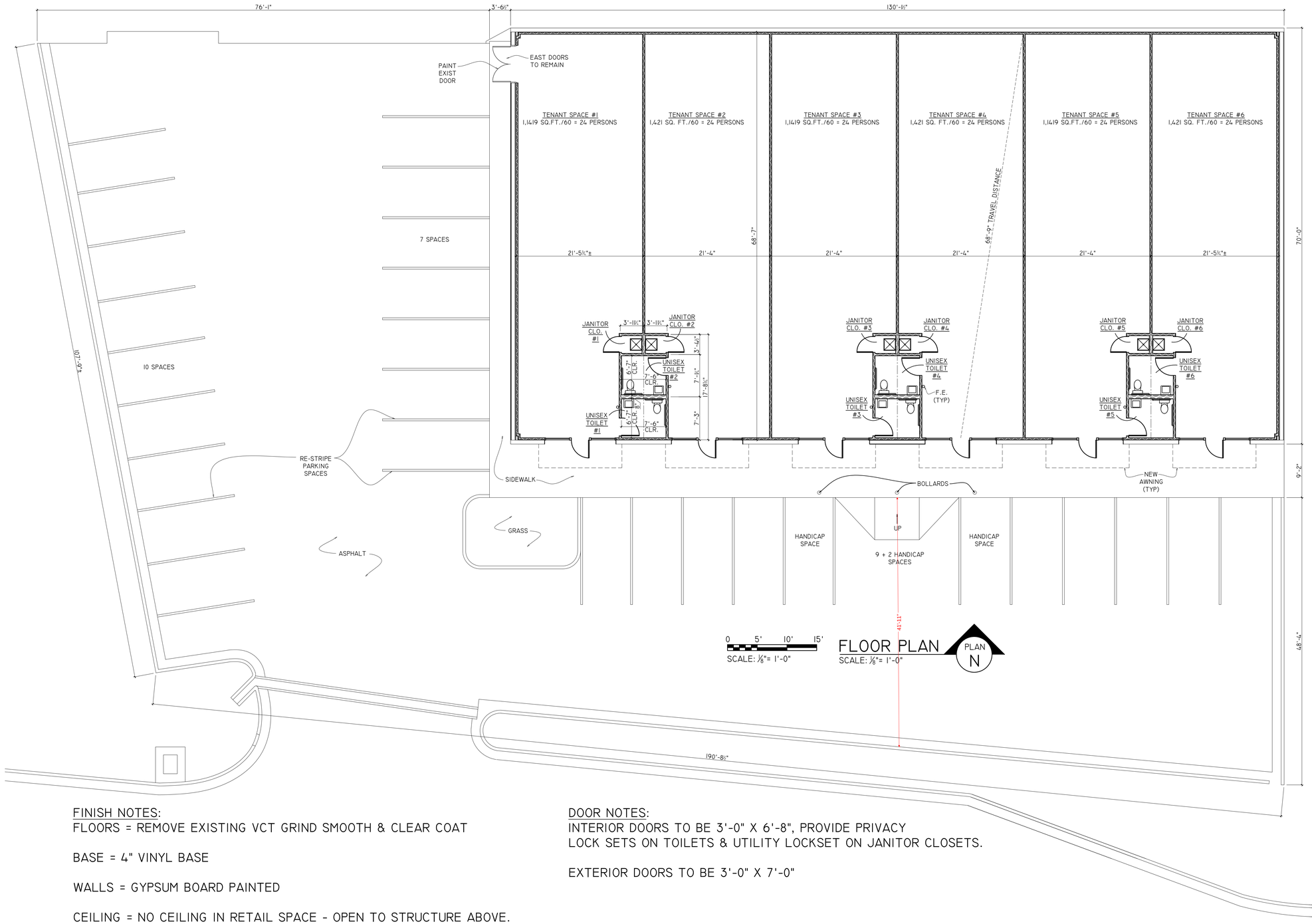


INTERNATIONAL EXISTING BUILDING CODE 2015
SECTION 505- ALTERATION LEVEL 5

INTERNATIONAL BUILDING CODE 2015
SECTION 309 - GROUP B

SECTION 504 - EXISTING SINGLE STORY

TOTAL SQUARE FOOTAGE : 9,109 SQ. FT.

TABLE 601 - TYPE OF CONSTRUCTION = TYPE III B

SECTION 903.2.7 - SPRINKLER SYSTEM NOT REQUIRED FOR MERCANTILE, GROUP M

SECTION 906.1 - PORTABLE FIRE EXTINGUISHERS REQUIRED

TABLE 1004.1.2 - OCCUPANT LOAD IS 60 SQ. FT./ PERSON FOR GROUP M.
TENANT SPACE OCCUPANT LOAD = 24 PERSONS
TOTAL OCCUPANT LOAD = 144 PERSONS

TABLE 1006.2.1 SINGLE EXIT ALLOWED FOR GROUP M UNDER 49 PEOPLE & 75' OF DISTANCE.

FINISH NOTES:
FLOORS = REMOVE EXISTING VCT GRIND SMOOTH & CLEAR COAT

BASE = 4" VINYL BASE

WALLS = GYPSUM BOARD PAINTED

CEILING = NO CEILING IN RETAIL SPACE - OPEN TO STRUCTURE ABOVE.
TOILET & MOP SINK ROOMS TO HAVE LAY IN GYP BD.

GYP. BD. = CEILING @ 9'-0"

DOOR NOTES:
INTERIOR DOORS TO BE 3'-0" X 6'-8", PROVIDE PRIVACY
LOCK SETS ON TOILETS & UTILITY LOCKSET ON JANITOR CLOSETS.

EXTERIOR DOORS TO BE 3'-0" X 7'-0"

STATE OF ALABAMA
ROBERT W.
2924
WHITTEN
REGISTERED ARCHITECT

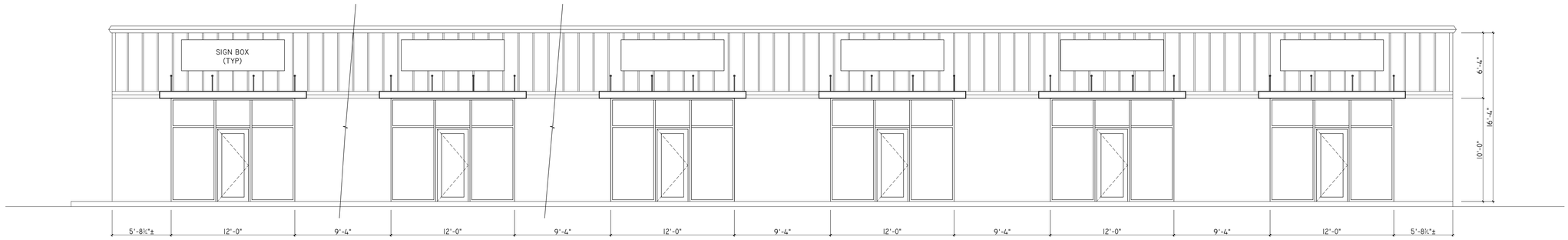
ROBERT W. WHITTEN, ARCHITECT
118 E. MOBILE STREET, SUITE 209
FLORENCE, ALABAMA 35630 PHONE (256) 767-6338

JOB ALTERATIONS TO THE EXISTING DOLLAR GENERAL FOR:
NEW TENANT SPACES 16493 HWY 72
ROGERSVILLE, ALABAMA

TITLE
FLOOR PLAN & PARKING LAYOUT

DR SB
CK RWW
DATE JUNE 1, 2022

A-1
OF
2

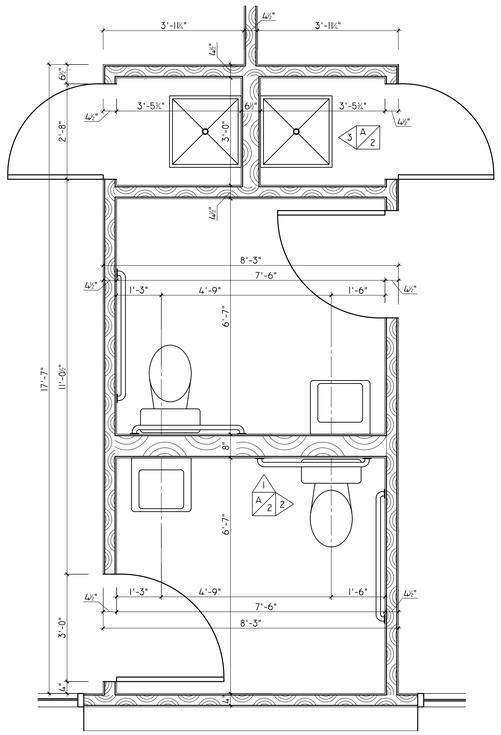


EXTERIOR NOTES: PAINT MASONRY & METAL SIDING

NOTE: REMOVE EXIST. CONSTRUCTION FOR NEW STORE FRONTS

SOUTH ELEVATION

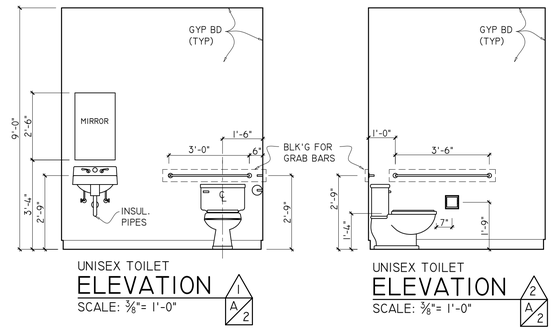
SCALE: 3/16"= 1'-0"



PARTIAL

FLOOR PLAN

SCALE: ½" = 1'-0"



UNISEX TOILET

ELEVATION

1 / A-2

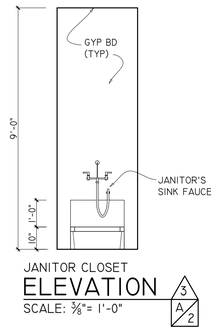
SCALE: 3/8"= 1'-0"

UNISEX TOILET

ELEVATION

2 / A-2

SCALE: 3/8"= 1'-0"



JANITOR CLOSET

ELEVATION

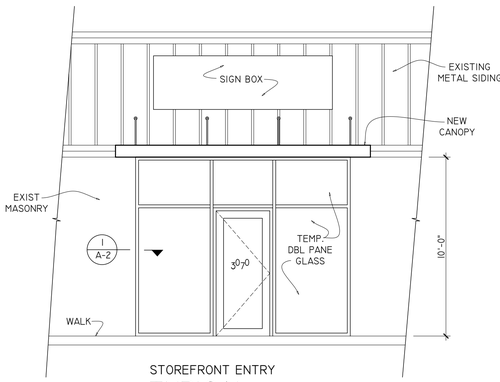
3 / A-2

SCALE: 3/8"= 1'-0"

JAMB

1 / A-2

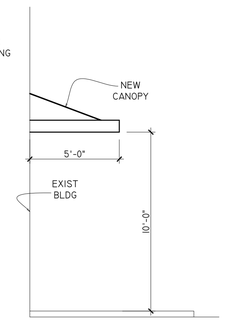
SCALE: ½" = 1'-0"



STOREFRONT ENTRY

TYPICAL

SCALE: ¼" = 1'-0"



SIDE VIEW

SCALE: ¼" = 1'-0"

STATE OF ALABAMA
ROBERT W. WHITTEN
2924
REGISTERED ARCHITECT

JOB ALTERATIONS TO THE EXISTING DOLLAR GENERAL FOR:
NEW TENANT SPACES 16493 HWY 72
ROGERSVILLE, ALABAMA

TITLE
½" PARTIAL PLAN
& ELEVATIONS

A-2
OF
2

DR SB

CK RWW

DATE JUNE 1, 2022

ROBERT W. WHITTEN, ARCHITECT
118 E. MOBILE STREET, SUITE 209
FLORENCE, ALABAMA 35630 PHONE (256) 767-6338

ROOF TOP PACKAGE DX SCHEDULE

SERVING	5 TON
SYSTEM BASIS OF DESIGN, MANUFACTURER	TRANE
MARK	RTU-1 - RTU-6
OUTSIDE AIR CFM	205
SEER	14.30
SUPPLY AIR CFM	2000
EXTERIOR STATIC PRESSURE IN. WG	.50
COOLING CAPACITY AT ARI, MBH	61.02
HEATING - HIGH HEAT, BTU	57.33
POWER CONNECTIONS (SINGLE POINT)	
MCA	47.0
MAX OCP	60.0
VOLT / PHASE	208/3/60
MODEL	WSC060H
AUXILIARY HEAT	
KW	4.5
VOLT / PHASE	208/3/60
OPTIONS:	1,2,3,4,5
WEIGHT: (NET) (LBS)	682.0

1. PROVIDE LOW AMBIENT CONTROLS FOR OPERATION DOWN TO 30 DEGREES F.
2. PROVIDE THERMAL EXPANSION VALVE
3. PROVIDE 7 DAY PROGRAMMABLE THERMOSTAT WITH NIGHT SET-BACK CAPABILITIES.
4. PROVIDE POWERED CONVENIENCE OUTLET.
5. PROVIDE FILTER RACK IN UNIT.
6. PROVIDE HOT GAS REHEAT AND HUMIDITY CONTROL.

NOTES:
INSTALL UNITS PER MANUFACTURERS SPECIFICATIONS

MECHANICAL NOTES

1. DUCT SIZES ARE BASED ON FREE AREA OPENING. SUPPLY DUCTS LOCATED IN INTERIOR UNCONDITIONED SPACES SHALL HAVE AN INSULATION RATING OF NO LESS THAN R-6. SUPPLY AND RETURN DUCTS LOCATED IN EXTERIOR AREAS SHALL HAVE AN INSULATION RATING OF NO LESS THAN R-8. EXTERIOR INSULATION (IF USED) SHALL INCLUDE A VAPOR BARRIER. THE CONTRACTOR WILL ADJUST ACCORDINGLY TO COMPENSATE FOR DUCT LINER (IF USED). ROUND AND RECTANGULAR EQUIVALENT DIMENSIONS ARE ALLOWABLE.

2. THE CONTRACTOR SHALL SELECT DIFFUSERS WITH A NOISE CRITERIA RATING OF NO GREATER THAN NC 40 BASED ON THE SPECIFIED FLOWRATES. DIFFUSERS SHALL CONSIDER THROW AND DROP PERFORMANCE TO PROVIDE APPROPRIATE COVERAGE TO THE CONDITIONED AREAS. ALL DIFFUSERS SHALL PROVIDE FOR ADJUSTABLE FLOWRATE; CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING TO DESIGN FLOWRATES.

3. MECHANICAL CONTRACTOR TO COORDINATE EXACT LOCATION OF DIFFUSERS AND REGISTERS WITH GRID AND LIGHTS.

4. MECHANICAL CONTRACTOR TO TIE SUPPLY AND RETURN DIFFUSERS AND GRILLES TO CEILING GRID OR STRUCTURE.

5. REFERENCE TO SPECIFIC MANUFACTURERS ARE USED IN TO ESTABLISH MINIMUM PERFORMANCE REQUIREMENTS AND QUALITY. OTHER MANUFACTURER'S WITH EQUAL OR BETTER QUALITY EQUIPMENT ARE ALLOWED TO SUBSTITUTE THEIR PRODUCTS. EQUAL MANUFACTURER'S WILL BE CONSIDERED AT DISCRETION OF ENGINEER.

6. ALL TAKE-OFFS SHALL INCLUDE MANUAL DAMPERS. BALANCE TO DESIGN FLOWRATES BY MECHANICAL CONTRACTOR.

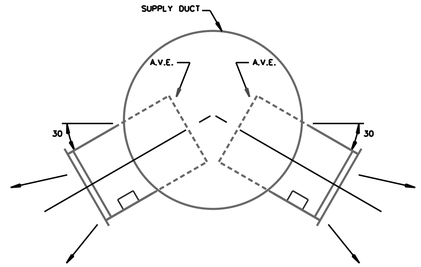
7. DUCTS PENETRATING WALLS OR PARTITIONS HAVING A FIRE RESISTANCE RATING OF 1 BUT LESS THAN 3 HOURS SHALL INCLUDE FIRE DAMPERS AT THE PENETRATION. DAMPERS SHALL HAVE A FIRE RESISTANCE RATING NO LESS THAN 1.5 HR. USE OF STATIC RATED DAMPERS IS ACCEPTABLE SINCE SYSTEM IS DESIGNED FOR AUTOMATIC SHUTDOWN IN CASE OF FIRE/SMOKE. MECHANICAL CONTRACTOR RESPONSIBLE FOR VERIFYING ALL FIRE WALLS.

8. MECHANICAL CONTRACTOR TO VERIFY EXACT LOCATION OF T'STATS WITH OWNER.

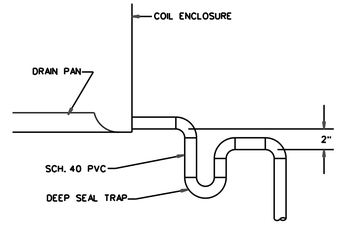
9. ROUTE CONDENSATE DRAINS TO SPILL ONTO ROOF.

10. ALL DUCTWORK IN EXPOSED AREAS TO BE SINGLE WALL SPIRAL.

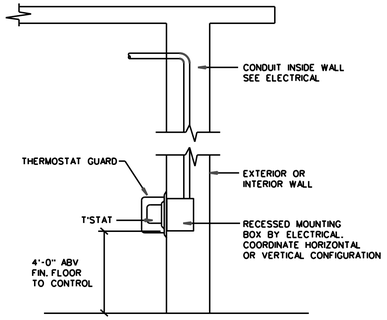
11. CONTRACTOR TO APPLY PAINT GRIP FINISH TO ALL EXPOSED DUCTWORK THAT WILL READILY ACCEPT A FIELD PAINTED FINISH. THIS INCLUDES ALL HANGARS, DRIVES, AND ACCESSORIES. COORDINATE WITH OWNER.



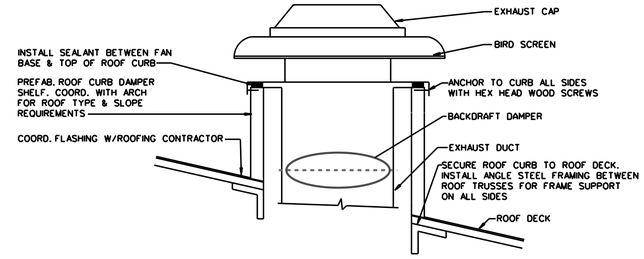
DUCT SECTION DETAIL
NOT TO SCALE



TYPICAL CONDENSATE CONNECTION & TRAP
NOT TO SCALE



T'STAT MOUNTING DETAIL
NOT TO SCALE



EXHAUST CAP DETAIL
NOT TO SCALE

RECTANGULAR DUCT SYSTEM GAGES

RECTANGULAR DUCTWORK, 1/2-IN. WG STATIC PRESSURE POSITIVE OR NEGATIVE, UP TO 2,000 FPM, BASED ON PROPER REINFORCEMENTSSPACED AT 10-FT INTERVALS.

LARGEST DIMENSION, INCHES	GALVANIZED STEEL GAGE	ALUMINUM, * B&S GAGE	COPPER, * B&S GAGE
THROUGH 26	26	24	24
27-30	24	22	20
31-36	22	20	18
37-48	20	18	18
49-60	18	16	14
73-84	16	14	12
85-96	16	BUT 8-FT REINFORCEMENT SPACING REQUIRED	
OVER 96	18	BUT 5-FT CLASS-H SPACING	

RECTANGULAR DUCTWORK, 1-IN. WG STATIC PRESSURE POSITIVE OR NEGATIVE, UP TO 2,500 FPM, BASED ON PROPER REINFORCEMENTSSPACED AT 10-FT INTERVALS.

LARGEST DIMENSION, INCHES	GALVANIZED STEEL GAGE	ALUMINUM, * B&S GAGE	COPPER, * B&S GAGE
THROUGH 14	26	24	24
15-24	24	22	20
25-30	22	20	18
31-36	20	18	18
37-42	18	16	14
43-54	16	14	12
55-60	18	BUT 8-FT REINFORCEMENT SPACING REQUIRED	
61-84	18	BUT 5-FT CLASS-H SPACING	
85-96	16	BUT 8-FT REINFORCEMENT SPACING REQUIRED	
OVER 96	18	BUT 5-FT CLASS-H SPACING	

RECTANGULAR DUCTWORK, 2-IN. WG STATIC PRESSURE POSITIVE OR NEGATIVE, UP TO 2,500 FPM

LARGEST DIMENSION, INCHES	GALVANIZED STEEL GAGE	REINFORCEMENT SPACING INTERVALS, FT.
THROUGH 18	22	10
19-26	20	10
27-30	18	10
31-36	16	10
37-48	16	8
49-60	18	5
61-72	16	5
73-84	18	4, CLASS J
85-96	16	4, CLASS K
OVER 96	18	2½, CLASS H

ROUND DUCT SYSTEM GAGES

ROUND DUCTWORK, GALVANIZED STEEL, GAGE SELECTION

DUCT DIAMETER, IN.	MAXIMUM 2-IN. WG STATIC POSITIVE		MAXIMUM 10-IN. WG STATIC POSITIVE		MAXIMUM 24-IN. WG STATIC POSITIVE	
	SPIRAL SEAM GAGE, IN.	LONGITUDINAL SEAM GAGE, IN.	SPIRAL SEAM GAGE, IN.	LONGITUDINAL SEAM GAGE, IN.	SPIRAL SEAM GAGE, IN.	LONGITUDINAL SEAM GAGE, IN.
3-8	28	28	26	24	28	24
9-14	28	26	26	24	26	24
15-26	26	24	24	22	24	22
27-36	24	22	22	20	22	20
37-50	22	20	20	20	20	18
51-60	20	18	18	18	18	16
61-84	18	16	18	16	16	14

ROOF CAP SCHEDULE

MARK	EC-1 - EC-3
SERVICE	EXHAUST
CONSTRUCTION	ALUMINUM
THROAT AREA (SQUARE FEET)	.394
FACE AREA (SQUARE FEET)	1.38
AIRFLOW (CFM)	300
STATIC PRESSURE DROP (IN WG)	0.1
MANUFACTURER	COOK
MODEL	PR-8
ACCESSORIES	2, 3, 4

ACCESSORIES:
1. INSECT SCREEN
2. BIRD SCREEN
3. PREFABRICATED ROOF CURB FOR SLOPING ROOF.
4. FACTORY APPLIED EPOXY FINISH, COLOR SELECTED BY ARCHITECT.

FAN SCHEDULE

MARK	EF-1 - EF-6
TYPE	CEILING
DRIVE	DIRECT
MOTOR HP / W	31.0 W
AIRFLOW (CFM)	75
STATIC PRESSURE (IN WC)	.25
ELECTRICAL (VOLTS/PH/HZ)	120/1/60
MANUFACTURER	COOK
MODEL	GC-146
ACCESSORIES	DISCONNECT, BACK-DRAFT DAMPER,
CONTROL	SWITCH W/LIGHTS

NOTES:
1. BIRDSCREEN
2. PREFABRICATED ROOF CURB FOR SLOPING SHINGLED ROOF.
3. FACTORY APPLIED EPOXY FINISH, COLOR SELECTED BY ARCHITECT.
4. DISCHARGE THRU LOUVER.

MECHANICAL LEGEND

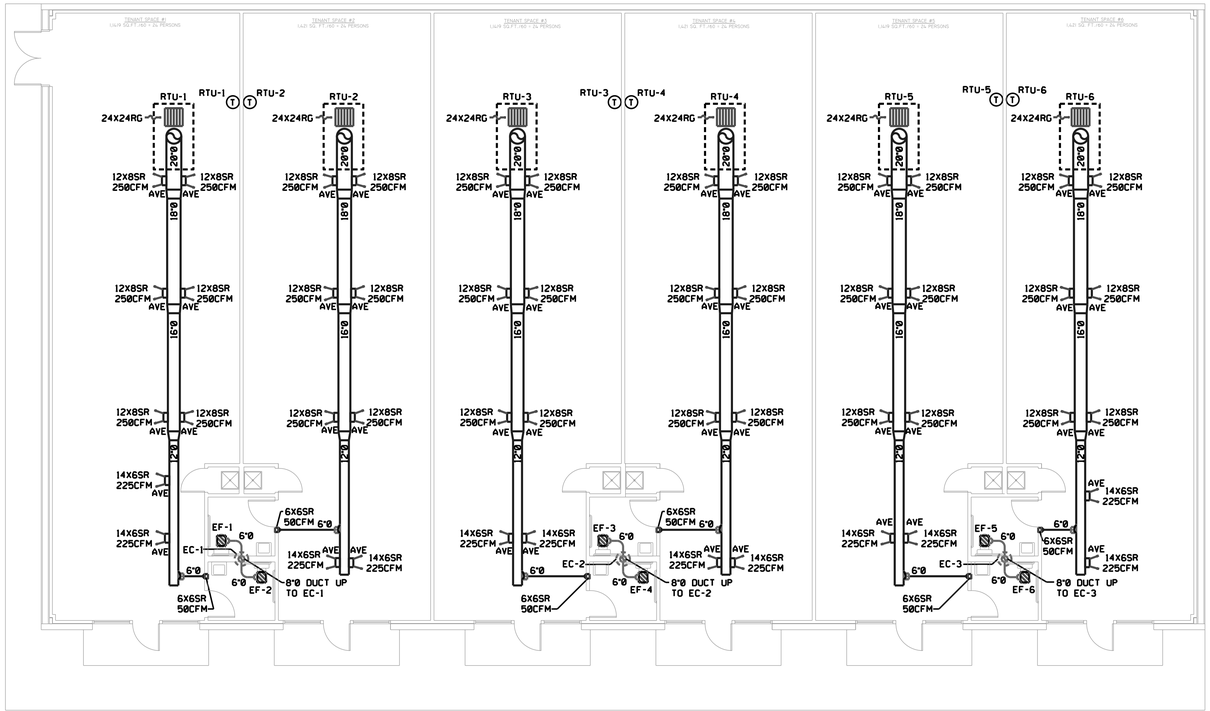
AVE • ADJUSTABLE VOLUME EXTRACTOR

(T) • THERMOSTAT

REGISTER, GRILLE & DIFFUSER SCHEDULE

SYM	TYPE	MANUFACTURER	MODEL	REMARKS
SR	SUPPLY REGISTER	TITUS	272FS	BAKED WHITE W/VOLUME DAMPER
RG	RETURN GRILLE	TITUS	50F	BAKED WHITE FINISH

NOTES:
1. REGISTERS, GRILLES, & DIFFUSERS HAVE BEEN SPECIFIED AS TITUS TO ESTABLISH QUALITY. EQUAL PRODUCTS BY ANEMOSTAT OR METALAIRE WILL BE CONSIDERED.
2. BAKED WHITE FINISH IS A BASELINE. COORDINATE WITH ARCHITECT AND OWNER PRIOR TO ORDERING.



NEW CONSTRUCTION
MECHANICAL FLOOR PLAN
SCALE: 1/8" = 1'-0"

ALABAMA LICENSED No. 25722 PROFESSIONAL ENGINEER STEPHEN EDWARD CANTON JR. 4/27/2022

TOTAL DESIGN ENGINEERING
3408 6th AVENUE SW
HUNTSVILLE, ALABAMA 35805
PHONE: 256-539-5595, FAX: 256-539-5508
EMAIL: RSTEADMAN@TOTALDESIGNENGINEERING.COM

RENOVATIONS & ALTERATIONS FOR:
NEW TENANT SPACES 16493 US HWY 72
ROGERSVILLE, ALABAMA

MECHANICAL FLOOR PLAN

DRAWN: RTK
CHECKED: RJS/SEC
DATE: 04/27/2022
SHEET NO: M-1 OF 1
JOB NO: TSK-22-074

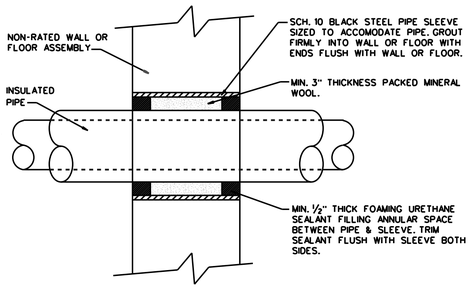
REVISIONS

PLUMBING FIXTURE SCHEDULE

FIXTURE NUMBER	DESCRIPTION	PIPE SIZE WASTE	C.W.	H.W.
P-x	WATER CLOSET (ADA): KOHLER NO. K-3493-SS FLOOR MOUNTED TANK TYPE WITH ELONGATED SIPHON ACTION BOWL, WHITE SOLID PLASTIC OPEN FRONT SEAT WITH SELF-SUSTAINING CHECK HINGE, CHINA BOLT CAPS, MCGUIRE 2166LK SUPPLY AND STOP.	4"	½"	-
P-x	LAVATORY (ADA): KOHLER NO. K-2084-0, WHITE VITREOUS CHINA, WALL HUNG, 20" X 18", "8" MODIFICATION ANCHOR LUGS, WITH INCLUDED KOHLER CARRIER, KOHLER NO. K-97283-4-CP SINGLE LEVER MIXING FAUCET WITH GRID DRAIN, 17 GAUGE STAINLESS STEEL TRAP, MCGUIRE 2165LK SUPPLIES WITH STOPS. INSULATE THE WATER AND WASTE PIPES BELOW THE LAVATORY WITH TRUEBRO LAV GUARD SERIES MOLDED VINYL COVERING, WHITE FINISH WITH SNAP CLIP REUSABLE FASTENERS.	2"	½"	½"
P-x	MOP SINK: FIAT MODEL TSB-100, 24" X 24" X 12" DEEP PRE-CAST TERRAZZO SINK WITH STAINLESS STEEL BUMPER GUARDS ALL SIDES, 3" DEEP SEAL TRAP, MODEL 1453-BB STAINLESS STEEL STRAINER, MODEL MSG-2424 STAINLESS STEEL WALL GUARD, SPEAKMAN NO. S-5811 MIXING FAUCET WITH WALL SUPPORT, VACUUM BREAKER, SCREWDRIVER STOPS AND THREADED HOSE OUTLET. INSTALL WITH MODEL 889-CC THREE MOP HANGER & MODEL 832-AA 30" LONG FLEXIBLE HOSE WITH HOSE MOUNTING BRACKET. SEAL THE SINK TO THE WALL WITH NO. 833-AA SILICONE SEALANT. MOUNT THE MIXING FAUCET 36" ABOVE THE FLOOR.	3"	½"	½"
P-x	WATER HEATER: RHEEM MODEL NO. ELDS40-78, 40 GALLON WITH 2- 3000 WATT ELEMENTS, 208/1/60, FOAM INSULATED, GLASS LINED, OPERATING AND SAFETY CONTROLS, VACUUM BREAKER AND ASME T&P RELIEF VALVE. INSTALL ON MOUNTING FRAME AS INDICATED ON THE DRAWINGS. INSTALL EXPANSION TANK, HYDRAPRO MODEL HPTET2.	-	SEE FLOOR PLAN	SEE FLOOR PLAN
P-x	FLOOR CLEANOUT: SMITH NO. 4040S04, 4" ADJUSTABLE FLOOR CLEANOUT WITH POLISHED BRONZE TOP IN CAST IRON FERRULE.	4"	-	-
P-x	EXTERIOR CLEANOUT: SOLID BRASS CLEANOUT PLUG WITH RECESSED WRENCH SLOT MOUNTED IN A CAST IRON HUB. INSTALL FLUSH WITH GRADE IN A FORMED CONCRETE PAD PER DETAILS ON THE DRAWINGS.	4"	-	-

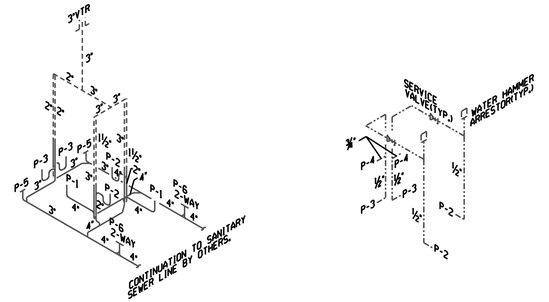
PLUMBING NOTES

1. NEW 1" WATER METER TO BE SIZED FOR 13 GPM. COORDINATE INSTALLATION OF THE WATER METER WITH THE LOCAL UTILITIES. COODINATE INSTALLATION OF PRV & BACKFLOW PREVENTER IF REQUIRED WITH THE LOCAL UTILITIES. SEE CIVIL DRAWINGS FOR EXACT LOCATION.
2. ALL PLUMBING VENTS TO BE INSTALLED WITH A MINIMUM OF 10'-0" CLEARANCE FROM ALL OUTSIDE AIR INTAKE SYSTEMS ON THE MECHANICAL EQUIPMENT.
3. ALL WATER PIPES AT EXTERIOR WALLS SHALL BE INSTALLED ON THE BUILDING SIDE OF THE INSULATION. FURTHER: ALL WATER PIPES SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER JACKET.
4. UNDERGROUND WATER MAIN TO BE SCHEDULE 40 PVC PIPE WITH GLUED JOINTS. INSTALL THE PIPING WITH DETECTOR TAPE PER DETAILS ON THE DRAWINGS.
5. ADD TO THE DOMESTIC WATER MAIN 50 PPM (PARTS PER MILLION) AVAILABLE CHLORINE. ALLOW THE SOLUTION TO STAND FOR SIX HOURS, THEN FLUSH THOROUGHLY. THE PROCEDURE WILL BE OBSERVED BY THE LOCAL PLUMBING OFFICIAL. COORDINATE SAMPLING OF THE CLEAN WATER WITH THE LOCAL HEALTH DEPARTMENT.
6. EQUAL FIXTURES CAN BE SUBMITTED IN PLACE OF SPECIFIED FIXTURES.
7. PEX PLUMBING PIPE CAN BE INSTALLED IN PLACE OF COPPER PIPING.
8. ROUTE WATER HEATER PAN & RELIEF DRAINS TO ADJACENT MOP SINK.
9. FIRST 8'-0" OF COLD WATER INLET AND HOT WATER OUTLET PIPING FROM WATER HEATER TO BE INSULATED.

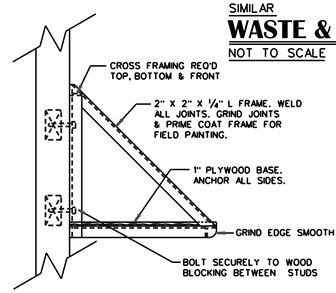


NON-RATED PIPE SLEEVE DETAIL
NOT TO SCALE

PIPE SUPPORT SCHEDULE	
PIPE SIZE	HANGER SPACING
½"	6'
¾"	6'
1"	8'
1 ¼"	8'
1 ½"	8'
2"	10'
2½"	10'
3"	12'
4"	12'
6"	12'
8"	12'

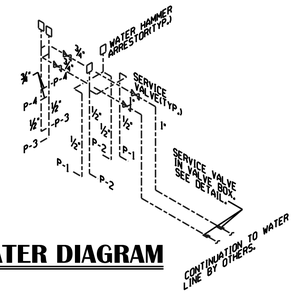


SIMILAR
WASTE & VENT DIAGRAM
NOT TO SCALE



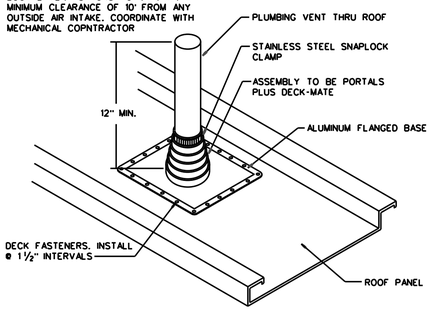
WATER HEATER MTG. FRAME DETAIL
NOT TO SCALE

SIMILAR
HOT WATER DIAGRAM
NOT TO SCALE



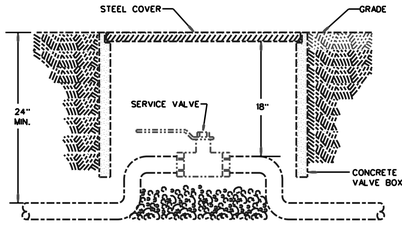
SIMILAR
COLD WATER DIAGRAM
NOT TO SCALE

NOTE:
LOCATE VENT STACKS TO MAINTAIN A MINIMUM CLEARANCE OF 10' FROM ANY OUTSIDE AIR INTAKE. COORDINATE WITH MECHANICAL COPNTRACTOR

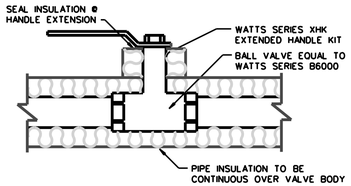


PIPE FLASHING DETAIL
NOT TO SCALE

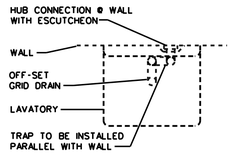
NOTE:
VALVE BOX TO BE FLUSH WITH GRADE.



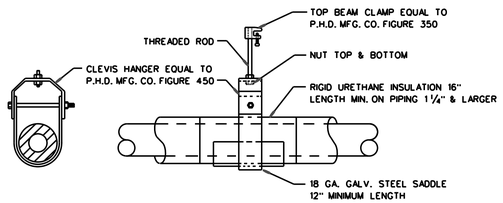
SERVICE VALVE IN VALVE BOX
NOT TO SCALE



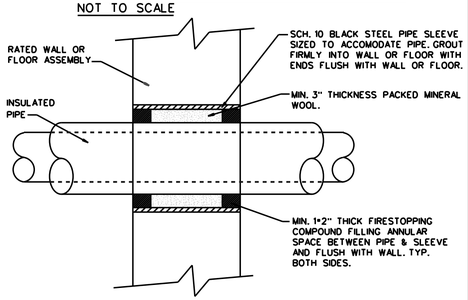
HOT & COLD WATER PIPING
SERVICE VALVE INSTALLATION DETAIL
NOT TO SCALE



HANDICAPPED LAV.
WASTE CONNECTION DETAIL
NOT TO SCALE

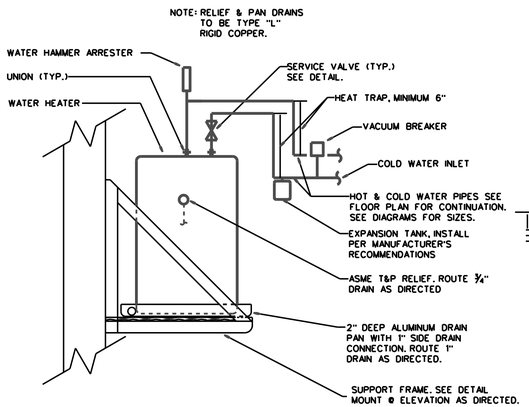


HOT & COLD WATER PIPE HANGER DETAIL
NOT TO SCALE

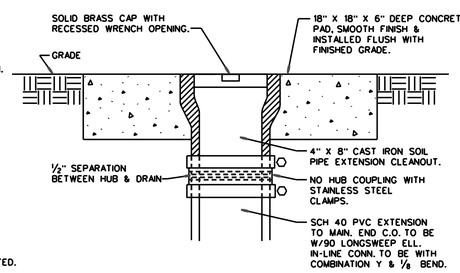


U.L. LISTING C-AJ-1009
RATED PIPE SLEEVE DETAIL
NOT TO SCALE

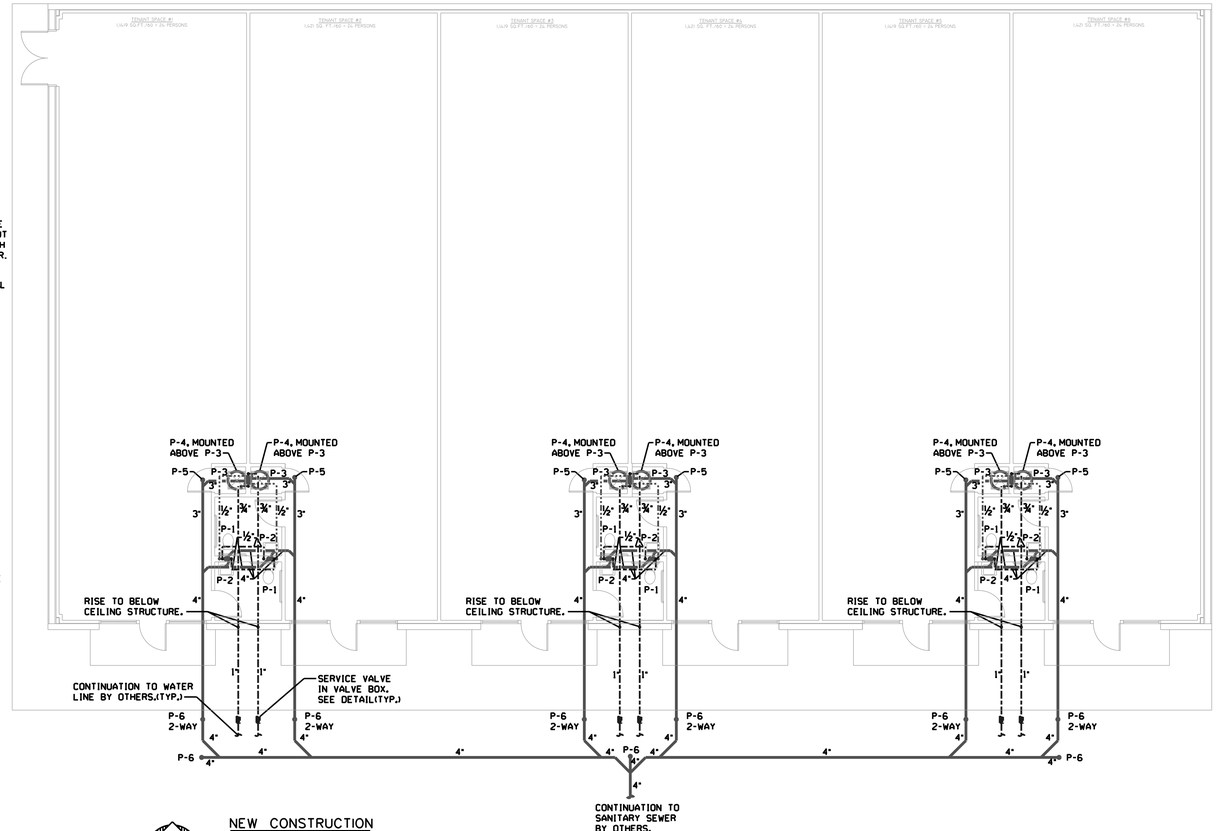
NOTE: RELIEF & PAN DRAINS TO BE TYPE "L" RIGID COPPER.



WATER HEATER PIPING DETAIL
NOT TO SCALE



EXTERIOR CLEANOUT DETAIL
NOT TO SCALE



NEW CONSTRUCTION
MECHANICAL FLOOR PLAN
SCALE: ⅛" = 1'-0"

TOTAL DESIGN ENGINEERING
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PHONE: 256-539-8595, FAX: 256-539-8508
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ALABAMA LICENSED No. 25722 PROFESSIONAL ENGINEER STEPHEN EDWARD STEADMAN 4/27/2022

RENOVATIONS & ALTERATIONS FOR:
NEW TENANT SPACES 16493 US HWY 72
ROGERSVILLE, ALABAMA

PLUMBING FLOOR PLAN

DRAWN	CHECKED	DATE
RTK	RJS/SEC	04/27/2022

SHEET NO: P-1 of 1
JOB NO: TSK-22-074

REVISIONS

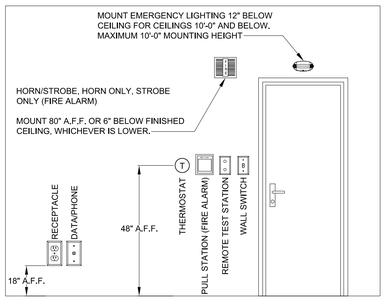
ELECTRICAL NOTES

1. ALL NECESSARY NEW ELECTRICAL EQUIPMENT REQUIRED FOR THE WORK PROPOSED SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE AS BEING PROVIDED BY OWNER.
2. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
3. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND CERTIFICATES OF INSPECTION FOR ALL WORK.
4. WIRING WHICH PENETRATES FIRE RESISTANT WALLS SHALL BE ENCLOSED IN ELECTRICAL METALLIC TUBING (EMT), UNLESS UL LISTED FOR USE IN THROUGH PENETRATION SYSTEMS. EMT SHALL BE FIRE STOPPED USING APPROVED SEALANTS, CAULKING MATERIALS OR FOAM TO MAINTAIN FIRE RESISTANCE RATING. SEAL ALL ROOF PENETRATIONS WEATHER TIGHT PER LOCAL CODE. REQUEST INSPECTION BEFORE AND AFTER ANY THROUGH FIRE WALL PENETRATIONS.
5. METAL CLAD TYPE MC WIRING (WITH GALV. OR ALUMINUM ARMOR) MAY BE USED ABOVE CEILING AREAS PER N.E.C. ARTICLE 330.
6. LOCATION OF ELECTRICAL EQUIPMENT IS DIAGRAMMATIC AND SHOWS THE DESIGN INTENT ONLY. CONTRACTOR SHALL COORDINATE WITH PLANS OF ALL OTHER DISCIPLINES AND THEIR INSTALLERS FOR THE EXACT LOCATION OF ALL EQUIPMENT. PULL BOXES OR J-BOXES, THOUGH NOT SHOWN ON PLANS, SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR.
7. ALL ITEMS INCIDENTAL AND OR REQUIRED TO COMPLETE THE INSTALLATION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
8. ALL ELECTRICAL EQUIPMENT, INCLUDING CONDUIT AND WIRING SHALL BE NEW AND UNUSED UNLESS NOTED OTHERWISE.
9. RECESSED FIXTURES SHALL MAINTAIN A 3" MINIMUM CLEARANCE TO ADJACENT COMBUSTIBLE MATERIALS UNLESS LABELED AS 'IC RATED'.
10. ALL CIRCUIT RUNS SHALL BE IDENTIFIED WITHIN EACH J-BOX WITH THE PROPER CIRCUIT NUMBER/DESCRIPTION OF EACH CIRCUIT ENTERING THE J-BOX. LABEL J-BOXES AND CONDUITS WITH PANDUIT CORP, INSTA-CODE PIPE MARKERS OR AN ENGINEER APPROVED EQUIVALENT.
11. PROVIDE CIRCUIT I.D. ON THE INSIDE OF ALL RECEPTACLES, CONSISTENT WITH EXISTING METHODS.
12. FITTINGS TO BE SET SCREW STEEL TYPE UTILIZING AN INSULATED THROAT.
13. THE CONTRACTOR SHALL RECORD ON AS-BUILT DRAWINGS ALL SIZES, MATERIAL, ELEVATIONS AND/OR LOCATIONS OF ALL ELECTRICAL EQUIPMENT THAT DEVIATE FROM THESE DRAWINGS.
14. REPAIR AREAS DAMAGED DURING CONSTRUCTION TO MATCH ADJACENT AREAS WITH RESPECT TO BOTH COLOR AND FINISH.
15. IDENTIFY BRANCH CIRCUITS AT THE PANEL AND AT THE LOAD OUTLET, RECEPTACLE AND SWITCH, IDENTIFY THE PURPOSE OF INDIVIDUAL CIRCUIT BREAKERS, AND SAFETY SWITCHES MY MEANS OF NAMEPLATES.
16. MAINTAIN SERVICE CLEARANCE AROUND PANELBOARDS PER N.E.C. ARTICLES 110.26 AND 110.34.
17. PROVIDE CIRCUIT BREAKERS WITH UL LISTED INTERRUPTING RATINGS (RMS SYMMETRICAL AMPERES) GREATER THAN THE AVAILABLE FAULT CURRENT SHOWN ON ELECTRICAL ONE LINE DIAGRAM OR EQUAL RATING AS ELECTRICAL PANEL.
18. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ELECTRICAL POWER CONNECTIONS TO ALL OWNER FURNISHED FIXTURES.
19. PROVIDE AND CONNECT ALL CONTROL WIRING REQUIRED FOR THE PROPER OPERATION OF THE MECHANICAL SYSTEMS, EXCEPT WHERE SPECIFICALLY SHOWN OTHERWISE ON THE DRAWINGS OR SPECIFIED, REFER TO MECHANICAL DRAWING CONTROL DIAGRAMS AND MECHANICAL EQUIP. SHOP DRAWINGS.
20. PROVIDE ALL TEMPORARY POWER AND LIGHTING DURING CONSTRUCTION.
21. AT THE TIME OF SHOP DRAWINGS SUBMITTAL CLEARLY MARK ALL DISCREPANCIES BETWEEN SHOP DRAWINGS AND BID DOCUMENTS.

ELECTRICAL SYMBOLS

$	TOGGLE SWITCH, SINGLE POLE, 125/277 VOLT 20 AMP.
$3	TOGGLE SWITCH, THREE WAY, 125/277 VOLT 20 AMP.
$D	DIMMER, COORDINATE WITH FIXTURE, TYPE OF LAMP AND CIRCUIT WATTAGE.
	DUPLEX OUTLET, NEMA 5-15R, 125 VOLT. HUBBELL #HBL5262 OR EQUAL.
	DUPLEX OUTLET, MOUNTED ABOVE COUNTERTOP. HUBBELL #HBL5262 OR EQUAL.
	DUPLEX OUTLET, GFCI TYPE, NEMA 5-15R, 125V,15AMP. HUBBELL #GF5262A OR EQUAL.
	DUPLEX OUTLET, GFCI TYPE, MOUNTED ABOVE COUNTERTOP. HUBBELL #GF5262A OR EQUAL
	SINGLE OUTLET, 240 VOLT, 30 AMP, NEMA 6-30R. HUBBELL #HBL9330 OR EQUAL.
	QUADRAPLEX OUTLET, NEMA 5-15R, 125V, 15 AMP, HUBBELL #HBL5262 OR EQUAL.
	DUPLEX OUTLET WITH USB-A & USB-C, NEMA 5-15R, 125 VOLT. HUBBELL #USB15AC5BK OR EQUAL.
	PHONE/DATA OUTLET, WALL MOUNTED, 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE
	PHONE/DATA OUTLET, WALL MOUNTED ACT, 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE
	SINGLE GANG FLOOR BOX WITH DUPLEX OUTLET, 120V, 15 AMP, NEMA 5-15R, HUBBELL #B2436 FLOORBOX WITH HUBBELL #HBL5262 RECEPTACLE AND S3825 COVER.
	TWO GANG FLOOR BOX WITH DUPLEX OUTLET, 120V, 15 AMP, NEMA 5-15R AND TELEPHONE/DATA OUTLET, HUBBELL #B423341 FLOORBOX WITH HUBBELL #HBL5262 RECEPTACLE AND ONE S3825 COVER & ONE S2425 COVER
WP	WEATHERPROOF DUPLEX OUTLET, GFCI TYPE, NEMA 5-15R, 125V,15AMP. HUBBELL #GF5262A OR EQUAL.
	MOTOR
$T	TOGGLE DISCONNECT, HORSEPOWER RATED
	NON-FUSED DISCONNECT, AMP OR HP RATED, SEE FLOOR PLAN.
	ELECTRICAL PANEL (SEE SCHEDULE)
	PHOTOCELL, TORK 2101 OR EQUAL

NOTES:
1. FINISH FOR ALL SWITCHES, RECEPTACLES, PLATES AND OTHER DEVICES TO BE COORDINATED WITH OWNER AND ARCHITECT.

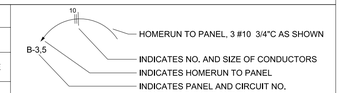


TYP. MOUNT HEIGHTS DETAIL

NOT TO SCALE

CONDUIT & CONDUCTORS

	CONDUIT, EXPOSED ON WALL OR CEILING
	CONDUIT, CONCEALED IN WALL OR CEILING
	CONDUIT, INSTALLED BELOW SLABS OR BELOW GRADE
	HOMERUN TO PANEL, 2 #12 1/2"C AS SHOWN



1. SHORT HASH MARKS INDICATE NUMBER OF HOT & SWITCH LEG CONDUCTORS.
2. LONG HASH MARKS INDICATE NUMBER OF NEUTRAL CONDUCTORS.
3. SIZE CONDUIT PER N.E.C. LATEST EDITION UNLESS NOTED OTHERWISE.
4. PROVIDE N.E.C. LATEST EDITION GROUND CONDUCTOR SIZE IN ALL CONDUIT RUNS.
5. CONDUIT USED FOR AREAS ON BUILDING EXTERIOR SHALL BE RIGID GALVANIZED STEEL CONDUIT ONLY. UNDERGROUND SHALL BE PVC SCH. 40 OR SCH. 80 UNLESS OTHERWISE NOTED ON DRAWING.
6. ALL WIRE SHALL BE SOLID COPPER, #12 AWG MINIMUM TYPE THHN/THWN INSULATION RATED 75°C MIN. 600 VOLTS UNLESS OTHERWISE NOTED.
7. WIRE SIZES LARGER THAN #12 AWG TO BE STRANDED COPPER.
8. ALL CIRCUITS TO INCLUDE GROUND WIRES.
9. PROVIDE A PULL STRING IN ALL EMPTY DATA OUTLET CONDUITS OF NYLON, BRAIDED POLYESTER OR PROPYLENE (100# TEST), INSTALLED WITH 12" SLACK AT EACH END OF THE CONDUIT RUN.
10. INSTALL AN INSULATED EQUIPMENT GROUNDING CONDUCTOR IN EACH RACEWAY OR CONDUIT. SIZE EQUIPMENT GROUNDING CONDUCTOR IN ACCORDANCE WITH N.E.C. TABLE 250.66.
11. CONDUITS SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO WALLS AND/OR CEILING WHEREVER POSSIBLE. ROUTE NO CONDUITS DIRECTLY BENEATH AND PARALLEL TO MECHANICAL PIPING.
12. VOLTAGE DROP: FOR 20A CIRCUITS OVER 100 FEET AND LESS THAN 175 FEET USE #10 CONDUCTORS. FOR 20A CIRCUITS OVER 175 FEET AND LESS THAN 275 FEET, USE #8 CONDUCTORS.

ABBREVIATIONS

1PH	SINGLE PHASE	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
3PH	THREE PHASE	G	GROUND
3W	THREE WIRE	JBOX	JUNCTION BOX
4W	FOUR WIRES	KV	KILOVOLT
A.F.F.	ABOVE FINISHED FLOOR	KVA	KILOVOLT AMPERE
AIC	AMPERE INTERRUPTING CAPACITY	M.B.	MAIN BREAKER
AMP	AMPERE	M.L.O.	MAIN LUG ONLY
BKR	CIRCUIT BREAKER	REC	RECEPTACLE
C	CONDUIT	WP	WEATHERPROOF
CU	COPPER	XFMR	TRANSFORMER
DISC	DISCONNECT SWITCH		
FC	FOOT CANDLE		
GA	GAGE		

LIGHTING LEGEND

MARK	DESC.	
A		**UFO LED HIGHBAY**

MFG MODEL	LUMENS	COLOR	WATTS
ASD LIGHTING	15065	3500K	100
ASD-UHB2-100D35-PRM	MOUNT:		SUSPENDED

NOTES: MOUNT 11'-0" A.F.F., COORDINATE EXACT HEIGHT IN FIELD.

MARK	DESC.	
B		**11" ROUND LED SURFACE MOUNTED DOWNLIGHT**

MFG MODEL	LUMENS	COLOR	WATTS
JUNO LIGHTING	1300	3500K	15
JSF 11IN 13LM 35K 90CRI MVOLT ZT WH	MOUNT:		SURFACE

NOTES:

MARK	DESC.	
		LED VANITY FIXTURE

MFG MODEL	LUMENS	COLOR	WATTS
SELECTED & FURNISHED BY DESIGNER	-	3500K	25
INSTALLED BY ELECTRICAL CONTRACTOR	MOUNT:		WALL

NOTES:

MARK	DESC.	
		LED OUTDOOR WALL SCONCE

MFG MODEL	LUMENS	COLOR	WATTS
SELECTED & FURNISHED BY DESIGNER	-	4000K	25
INSTALLED BY ELECTRICAL CONTRACTOR	MOUNT:		WALL

NOTES:

MARK	DESC.	
		OUTDOOR LED WALL AREA LIGHT

MFG MODEL	LUMENS	COLOR	WATTS
LITHONIA LIGHTING	4701	4000K	38
DSX0 LED P1 40K T2S MVOLT	MOUNT:		BULLHORN

NOTES:

MARK	DESC.	
		EXIT/EMERGENCY COMBO

MFG MODEL	LUMENS	COLOR	WATTS
LITHONIA LIGHTING	-	-	-
LHQM LED	MOUNT:		WALL

NOTES:

MARK	DESC.	
		LED 2 - HEAD EMERGENCY LIGHT

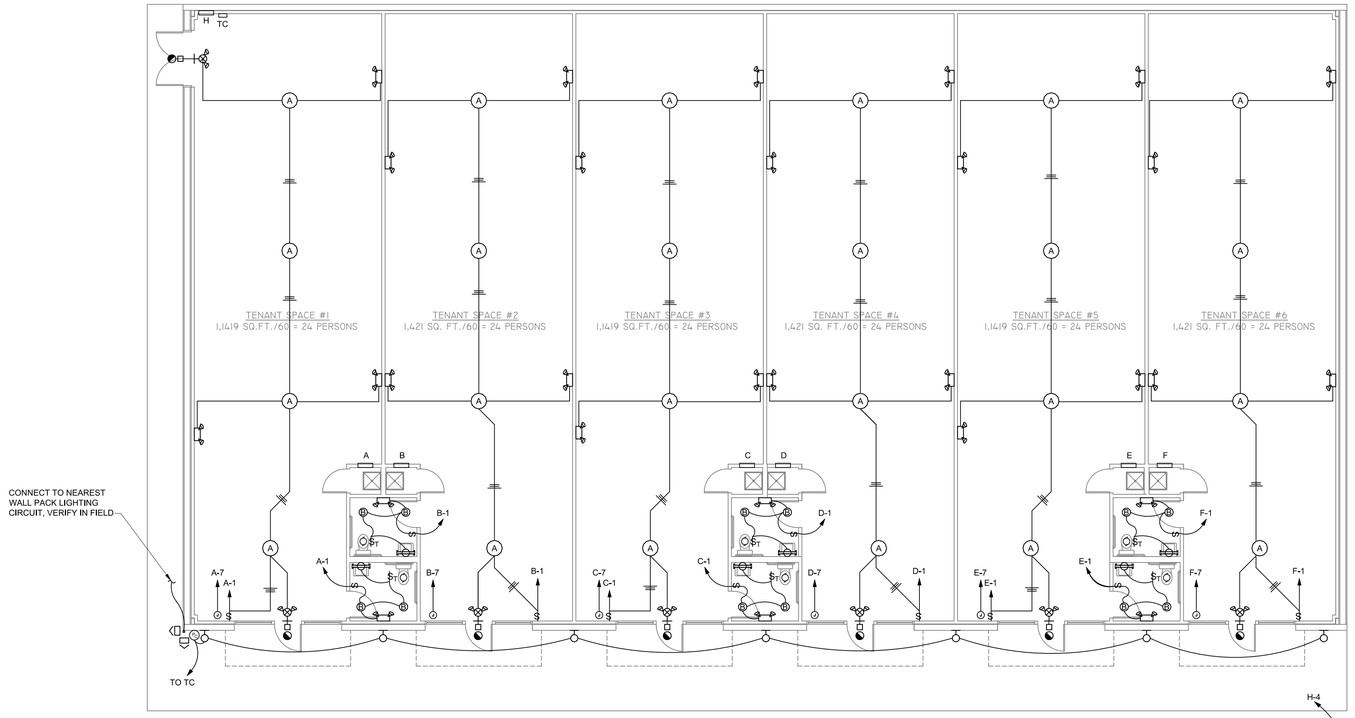
MFG MODEL	LUMENS	COLOR	WATTS
LITHONIA LIGHTING	-	-	-
ELM2L	MOUNT:		-

NOTES: SEE FLOOR PLAN FOR CEILING OR WALL MOUNT.

NOTES

1. APPROVED EQUAL BY COLUMBIA, COOPER, OR BELL & MCCOY.
2. COORDINATE ALL COLOR OPTIONS WITH OWNER & ARCHITECT, PRIOR TO ORDERING.
3. VERIFY EXACT MOUNTING REQUIREMENTS IN FIELD. COORDINATE WITH ARCHITECT & OWNER FOR EXACT ELEVATION PRIOR TO INSTALLATION.
4. VERIFY FINAL LOCATIONS OF LIGHT FIXTURES WITH OWNER PRIOR TO INSTALLATION.
5. COORDINATE LOCATION OF LIGHT FIXTURES WITH ALL TRADES AS REQUIRED.

NOTE: EXISTING WALL PACKS & OUTDOOR LIGHTING TO HOME-RUN TO 'TC'.



LIGHTING PLAN

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

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 38106
04/27/2022
ANDREW QUILLEN
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RENOVATIONS & ALTERATIONS FOR:

NEW TENANT SPACES 1 THRU 6

ROGERSVILLE, ALABAMA

16493 US HWY 72

LIGHTING FLOOR PLANS

DRAWN	CHECKED	DATE
JLW	JAQ	04/27/2022

SHEET NO: E-1 OF 3

JOB NO: TSK-22-074

REVISIONS

200 AMP 208/120V PANEL - TENANT 1

PANEL NO:	PP-A	LOADS:			PANEL TYPE		A.I.C.	NOTES:
MAIN BUS (A):	200	LIGHTING:	0.68	KVA	M.B.		22K	
SERVING:	TENANT 1	POWER:	2.30	KVA	M.L.O.	X		
		HVAC:	17.56	KVA	VOLTAGE		RATING	
SQUARE D NQO		TOTAL CONN.LOAD:	20.54	KVA	208/120V 3Ø		NEMA-1R	

			LOAD			LOAD					
CKT #	BKR	LABEL	LIGHTS	POWER	HVAC	LIGHTS	POWER	HVAC	LABEL	BKR	CKT#
1	20/1	LIGHTING	0.68	-	-	-	-	4.52	RTU-1	60/3	2
3	20/1	WEST WALL REC	-	0.72	-	-	-	4.52	RTU-1	-	4
5	20/1	EAST WALL REC	-	0.72	-	-	-	4.52	RTU-1	-	6
7	20/1	EXTERIOR SIGNAGE	-	0.50	-	-	-	1.50	WATER HEATER	20/2	8
9	20/1	SHOW WINDOW REC	-	0.36	-	-	-	1.50	WATER HEATER	-	10
11	20/1	SPARE	-	0.00	-	-	-	1.00	EWC	20/1	12
13	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	14
15	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	16
17	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	18
19	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	20
21	-	SPACE	-	-	-	-	-	-	SPACE	-	22
23	-	SPACE	-	-	-	-	-	-	SPACE	-	24
25	-	SPACE	-	-	-	-	-	-	SPACE	-	26
27	-	SPACE	-	-	-	-	-	-	SPACE	-	28
29	-	SPACE	-	-	-	-	-	-	SPACE	-	30
31	-	SPACE	-	-	-	-	-	-	SPACE	-	32
33	-	SPACE	-	-	-	-	-	-	SPACE	-	34
35	-	SPACE	-	-	-	-	-	-	SPACE	-	36
37	-	SPACE	-	-	-	-	-	-	SPACE	-	38
39	-	SPACE	-	-	-	-	-	-	SPACE	-	40
41	-	SPACE	-	-	-	-	-	-	SPACE	-	42

200 AMP 208/120V PANEL - TENANT 2

PANEL NO:	PP-B	LOADS:			PANEL TYPE		A.I.C.	NOTES:
MAIN BUS (A):	200	LIGHTING:	0.68	KVA	M.B.		22K	
SERVING:	TENANT 2	POWER:	2.30	KVA	M.L.O.	X		
		HVAC:	17.56	KVA	VOLTAGE		RATING	
SQUARE D NQO		TOTAL CONN.LOAD:	20.54	KVA	208/120V 3Ø		NEMA-1R	

			LOAD			LOAD					
CKT #	BKR	LABEL	LIGHTS	POWER	HVAC	LIGHTS	POWER	HVAC	LABEL	BKR	CKT#
1	20/1	LIGHTING	0.68	-	-	-	-	4.52	RTU-1	60/3	2
3	20/1	WEST WALL REC	-	0.72	-	-	-	4.52	RTU-1	-	4
5	20/1	EAST WALL REC	-	0.72	-	-	-	4.52	RTU-1	-	6
7	20/1	EXTERIOR SIGNAGE	-	0.50	-	-	-	1.50	WATER HEATER	20/2	8
9	20/1	SHOW WINDOW REC	-	0.36	-	-	-	1.50	WATER HEATER	-	10
11	20/1	SPARE	-	0.00	-	-	-	1.00	EWC	20/1	12
13	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	14
15	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	16
17	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	18
19	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	20
21	-	SPACE	-	-	-	-	-	-	SPACE	-	22
23	-	SPACE	-	-	-	-	-	-	SPACE	-	24
25	-	SPACE	-	-	-	-	-	-	SPACE	-	26
27	-	SPACE	-	-	-	-	-	-	SPACE	-	28
29	-	SPACE	-	-	-	-	-	-	SPACE	-	30
31	-	SPACE	-	-	-	-	-	-	SPACE	-	32
33	-	SPACE	-	-	-	-	-	-	SPACE	-	34
35	-	SPACE	-	-	-	-	-	-	SPACE	-	36
37	-	SPACE	-	-	-	-	-	-	SPACE	-	38
39	-	SPACE	-	-	-	-	-	-	SPACE	-	40
41	-	SPACE	-	-	-	-	-	-	SPACE	-	42

200 AMP 208/120V PANEL - TENANT 3

PANEL NO:	PP-C	LOADS:			PANEL TYPE		A.I.C.	NOTES:
MAIN BUS (A):	200	LIGHTING:	0.68	KVA	M.B.		22K	
SERVING:	TENANT 3	POWER:	2.30	KVA	M.L.O.	X		
		HVAC:	17.56	KVA	VOLTAGE		RATING	
SQUARE D NQO		TOTAL CONN.LOAD:	20.54	KVA	208/120V 3Ø		NEMA-1R	

			LOAD			LOAD					
CKT #	BKR	LABEL	LIGHTS	POWER	HVAC	LIGHTS	POWER	HVAC	LABEL	BKR	CKT#
1	20/1	LIGHTING	0.68	-	-	-	-	4.52	RTU-1	60/3	2
3	20/1	WEST WALL REC	-	0.72	-	-	-	4.52	RTU-1	-	4
5	20/1	EAST WALL REC	-	0.72	-	-	-	4.52	RTU-1	-	6
7	20/1	EXTERIOR SIGNAGE	-	0.50	-	-	-	1.50	WATER HEATER	20/2	8
9	20/1	SHOW WINDOW REC	-	0.36	-	-	-	1.50	WATER HEATER	-	10
11	20/1	SPARE	-	0.00	-	-	-	1.00	EWC	20/1	12
13	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	14
15	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	16
17	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	18
19	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	20
21	-	SPACE	-	-	-	-	-	-	SPACE	-	22
23	-	SPACE	-	-	-	-	-	-	SPACE	-	24
25	-	SPACE	-	-	-	-	-	-	SPACE	-	26
27	-	SPACE	-	-	-	-	-	-	SPACE	-	28
29	-	SPACE	-	-	-	-	-	-	SPACE	-	30
31	-	SPACE	-	-	-	-	-	-	SPACE	-	32
33	-	SPACE	-	-	-	-	-	-	SPACE	-	34
35	-	SPACE	-	-	-	-	-	-	SPACE	-	36
37	-	SPACE	-	-	-	-	-	-	SPACE	-	38
39	-	SPACE	-	-	-	-	-	-	SPACE	-	40
41	-	SPACE	-	-	-	-	-	-	SPACE	-	42

200 AMP 208/120V PANEL - TENANT 4

PANEL NO:	PP-D	LOADS:			PANEL TYPE		A.I.C.	NOTES:
MAIN BUS (A):	200	LIGHTING:	0.68	KVA	M.B.		22K	
SERVING:	TENANT 4	POWER:	2.30	KVA	M.L.O.	X		
		HVAC:	17.56	KVA	VOLTAGE		RATING	
SQUARE D NQO		TOTAL CONN.LOAD:	20.54	KVA	208/120V 3Ø		NEMA-1R	

			LOAD			LOAD					
CKT #	BKR	LABEL	LIGHTS	POWER	HVAC	LIGHTS	POWER	HVAC	LABEL	BKR	CKT#
1	20/1	LIGHTING	0.68	-	-	-	-	4.52	RTU-1	60/3	2
3	20/1	WEST WALL REC	-	0.72	-	-	-	4.52	RTU-1	-	4
5	20/1	EAST WALL REC	-	0.72	-	-	-	4.52	RTU-1	-	6
7	20/1	EXTERIOR SIGNAGE	-	0.50	-	-	-	1.50	WATER HEATER	20/2	8
9	20/1	SHOW WINDOW REC	-	0.36	-	-	-	1.50	WATER HEATER	-	10
11	20/1	SPARE	-	0.00	-	-	-	1.00	EWC	20/1	12
13	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	14
15	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	16
17	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	18
19	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	20
21	-	SPACE	-	-	-	-	-	-	SPACE	-	22
23	-	SPACE	-	-	-	-	-	-	SPACE	-	24
25	-	SPACE	-	-	-	-	-	-	SPACE	-	26
27	-	SPACE	-	-	-	-	-	-	SPACE	-	28
29	-	SPACE	-	-	-	-	-	-	SPACE	-	30
31	-	SPACE	-	-	-	-	-	-	SPACE	-	32
33	-	SPACE	-	-	-	-	-	-	SPACE	-	34
35	-	SPACE	-	-	-	-	-	-	SPACE	-	36
37	-	SPACE	-	-	-	-	-	-	SPACE	-	38
39	-	SPACE	-	-	-	-	-	-	SPACE	-	40
41	-	SPACE	-	-	-	-	-	-	SPACE	-	42

200 AMP 208/120V PANEL - TENANT 5

PANEL NO:	PP-E	LOADS:			PANEL TYPE		A.I.C.	NOTES:
MAIN BUS (A):	200	LIGHTING:	0.68	KVA	M.B.		22K	
SERVING:	TENANT 5	POWER:	2.30	KVA	M.L.O.	X		
		HVAC:	17.56	KVA	VOLTAGE		RATING	
SQUARE D NQO		TOTAL CONN.LOAD:	20.54	KVA	208/120V 3Ø		NEMA-1R	

			LOAD			LOAD					
CKT #	BKR	LABEL	LIGHTS	POWER	HVAC	LIGHTS	POWER	HVAC	LABEL	BKR	CKT#
1	20/1	LIGHTING	0.68	-	-	-	-	4.52	RTU-1	60/3	2
3	20/1	WEST WALL REC	-	0.72	-	-	-	4.52	RTU-1	-	4
5	20/1	EAST WALL REC	-	0.72	-	-	-	4.52	RTU-1	-	6
7	20/1	EXTERIOR SIGNAGE	-	0.50	-	-	-	1.50	WATER HEATER	20/2	8
9	20/1	SHOW WINDOW REC	-	0.36	-	-	-	1.50	WATER HEATER	-	10
11	20/1	SPARE	-	0.00	-	-	-	1.00	EWC	20/1	12
13	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	14
15	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	16
17	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	18
19	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	20
21	-	SPACE	-	-	-	-	-	-	SPACE	-	22
23	-	SPACE	-	-	-	-	-	-	SPACE	-	24
25	-	SPACE	-	-	-	-	-	-	SPACE	-	26
27	-	SPACE	-	-	-	-	-	-	SPACE	-	28
29	-	SPACE	-	-	-	-	-	-	SPACE	-	30
31	-	SPACE	-	-	-	-	-	-	SPACE	-	32
33	-	SPACE	-	-	-	-	-	-	SPACE	-	34
35	-	SPACE	-	-	-	-	-	-	SPACE	-	36
37	-	SPACE	-	-	-	-	-	-	SPACE	-	38
39	-	SPACE	-	-	-	-	-	-	SPACE	-	40
41	-	SPACE	-	-	-	-	-	-	SPACE	-	42

200 AMP 208/120V PANEL - TENANT 6

PANEL NO:	PP-F	LOADS:			PANEL TYPE		A.I.C.	NOTES:
MAIN BUS (A):	200	LIGHTING:	0.68	KVA	M.B.		22K	
SERVING:	TENANT 6	POWER:	2.30	KVA	M.L.O.	X		
		HVAC:	17.56	KVA	VOLTAGE		RATING	
SQUARE D NQO		TOTAL CONN.LOAD:	20.54	KVA	208/120V 3Ø		NEMA-1R	

			LOAD			LOAD					
CKT #	BKR	LABEL	LIGHTS	POWER	HVAC	LIGHTS	POWER	HVAC	LABEL	BKR	CKT#
1	20/1	LIGHTING	0.68	-	-	-	-	4.52	RTU-1	60/3	2
3	20/1	WEST WALL REC	-	0.72	-	-	-	4.52	RTU-1	-	4
5	20/1	EAST WALL REC	-	0.72	-	-	-	4.52	RTU-1	-	6
7	20/1	EXTERIOR SIGNAGE	-	0.50	-	-	-	1.50	WATER HEATER	20/2	8
9	20/1	SHOW WINDOW REC	-	0.36	-	-	-	1.50	WATER HEATER	-	10
11	20/1	SPARE	-	0.00	-	-	-	1.00	EWC	20/1	12
13	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	14
15	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	16
17	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	18
19	20/1	SPARE	-	0.00	-	-	-	-	SPARE	20/1	20
21	-	SPACE	-	-	-	-	-	-	SPACE	-	22
23	-	SPACE	-	-	-	-	-	-	SPACE	-	24
25	-	SPACE	-	-	-	-	-	-	SPACE	-	26
27	-	SPACE	-	-	-	-	-	-	SPACE	-	28
29	-	SPACE	-	-	-	-	-	-	SPACE	-	30
31	-	SPACE	-	-	-	-	-	-	SPACE	-	32
33	-	SPACE	-	-	-	-	-	-	SPACE	-	34
35	-	SPACE	-	-	-	-	-	-	SPACE	-	36
37	-	SPACE	-	-	-	-	-	-	SPACE	-	38
39	-	SPACE	-	-	-	-	-	-	SPACE	-	40
41	-	SPACE	-	-	-	-	-	-	SPACE	-	42

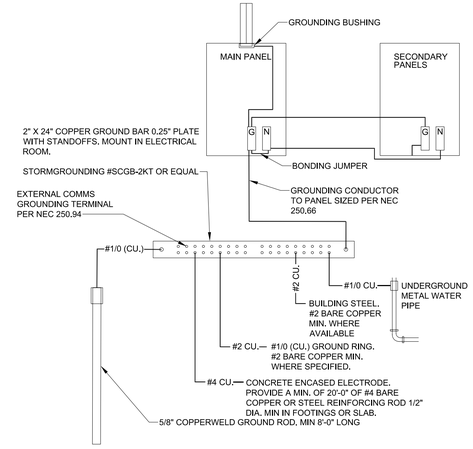
100 AMP 208/120V PANEL - HOUSE

PANEL NO:	PP-H	LOADS:			PANEL TYPE		A.I.C.	NOTES:
MAIN BUS (A):	100	LIGHTING:	1.00	KVA	M.B.		22K	
SERVING:	HOUSE	POWER:	2.80	KVA	M.L.O.	X		
		HVAC:	1.00	KVA	VOLTAGE		RATING	
SQUARE D NQO		TOTAL CONN.LOAD:	4.80	KVA	208/120V 3Ø		NEMA-1R	

			LOAD			LOAD					
CKT #	BKR	LABEL	LIGHTS	POWER	HVAC	LIGHTS	POWER	HVAC	LABEL	BKR	CKT#
1	20/1	OUTDOOR REC	-	1.26	-	1.00	-	-	LTG. TIMECLOCK	20/1	2
3	20/1	SERVICE REC	-	0.54	-	-	-	1.00	EXISTING POLE SIGN	20/1	4
5	20/1	SPARE	-	1.00	-	-	0.00	-	SPARE	20/1	6
7	20/1	SPARE	-	0.00	-	-	0.00	-	SPARE	20/1	8
9	20/1	SPARE	-	0.00	-	-	0.00	-	SPARE	20/1	10
11	20/1	SPARE	-	0.00	-	-	-	-	SPACE	20/1	12
13	20/1	SPARE	-	0.00	-	-	-	-	SPACE	20/1	14
15	20/1	SPACE	-	-	-	-	-	-	SPACE	20/1	16
17	20/1	SPACE	-	-	-	-	-	-	SPACE	20/1	18
19	20/1	SPACE	-	-	-	-	-	-	SPACE	20/1	20
21	20/1	SPACE	-	-	-	-	-	-	SPACE	20/1	22
23	20/1	SPACE	-	-	-	-	-	-	SPACE	20/1	24

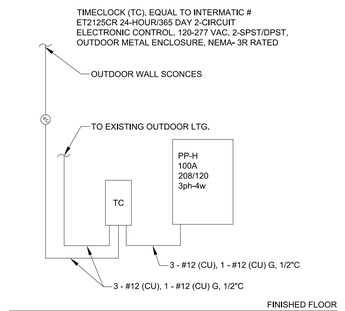
LOAD CALCS

	LTG	PWR	HVAC
PANEL PP-A	0.68	2.30	17.56
PANEL PP-B	0.48	2.30	17.56
PANEL PP-C	0.48	2.30	17.56
PANEL PP-D	0.48	2.30	17.56
PANEL PP-E	0.48	2.30	17.56
PANEL PP-F	2.80	2.30	17.56
PANEL PP-H	1.00	2.80	0.00
TOTALS:	*6.40*	*16.60*	*105.36*
TOTAL KVA:		*128.36*	



GROUNDING DETAIL

NOT TO SCALE



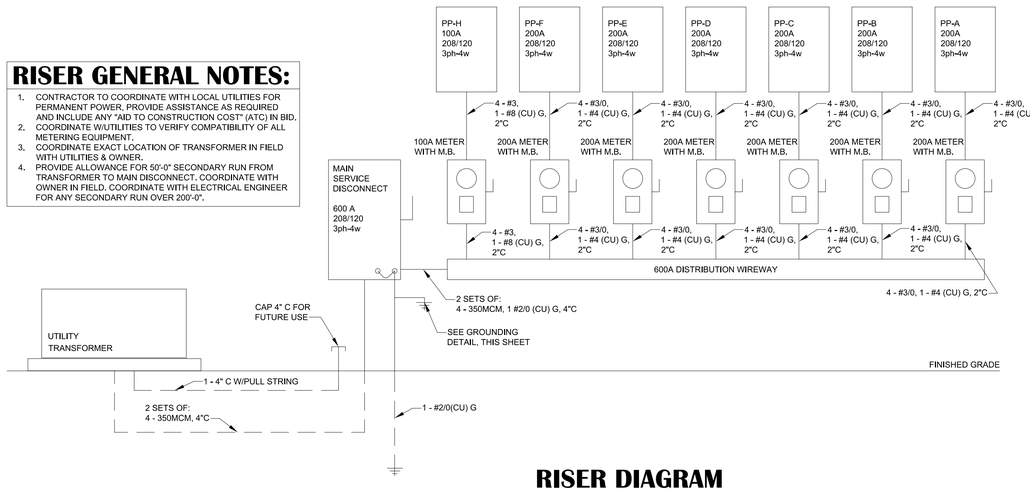
EXTERIOR & STAIRWELL

LIGHTING CONTROL DIAGRAM

NOT TO SCALE

RISER GENERAL NOTES:

1. CONTRACTOR TO COORDINATE WITH LOCAL UTILITIES FOR PERMANENT POWER, PROVIDE ASSISTANCE AS REQUIRED AND INCLUDE ANY "AID TO CONSTRUCTION COST" (ATC) IN BID.
2. COORDINATE W/UTILITIES TO VERIFY COMPATIBILITY OF ALL METERING EQUIPMENT.
3. COORDINATE EXACT LOCATION OF TRANSFORMER IN FIELD WITH UTILITIES & OWNER.
4. PROVIDE ALLOWANCE FOR 50'-0" SECONDARY RUN FROM TRANSFORMER TO MAIN DISCONNECT. COORDINATE WITH OWNER IN FIELD. COORDINATE WITH ELECTRICAL ENGINEER FOR ANY SECONDARY RUN OVER 200'-0".



RISER DIAGRAM

NOT TO SCALE

ALABAMA LICENSED
No. 38106
PROFESSIONAL
04/27/2022
ENGINEER
ANDREW QUILLEN

TOTAL DESIGN ENGINEERING
3408 6th AVENUE SW
HUNTSVILLE, ALABAMA 35805
PHONE: 256-539-8595, FAX: 256-539-8508
EMAIL: JQUILLEN@TOTALDESIGNENGINEERING.COM

RENOVATIONS & ALTERATIONS FOR:

NEW TENANT SPACES 16493 US HWY 72

ROGERSVILLE, ALABAMA

PANEL SCHEDULES, RISER DIAGRAMS

DRAWN: JLW

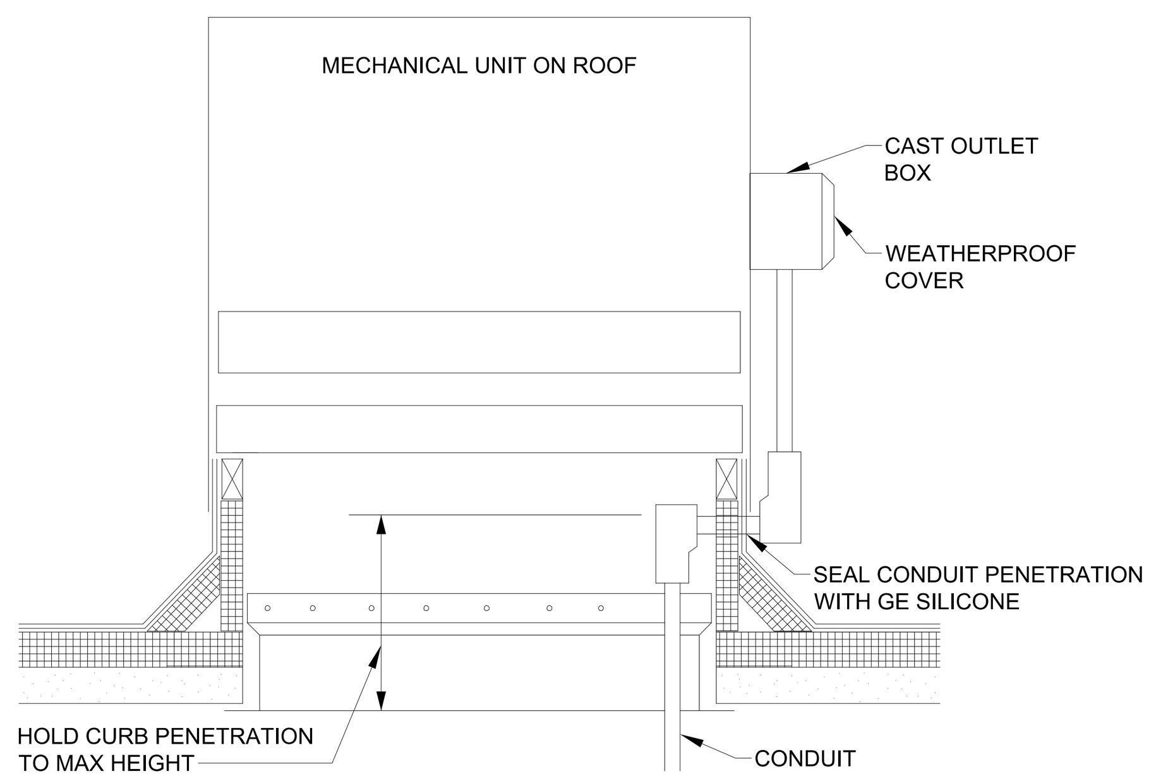
CHECKED: JAQ

DATE: 04/27/2022

SHEET NO: E-2 OF 3

JOB NO: TSK-22-074

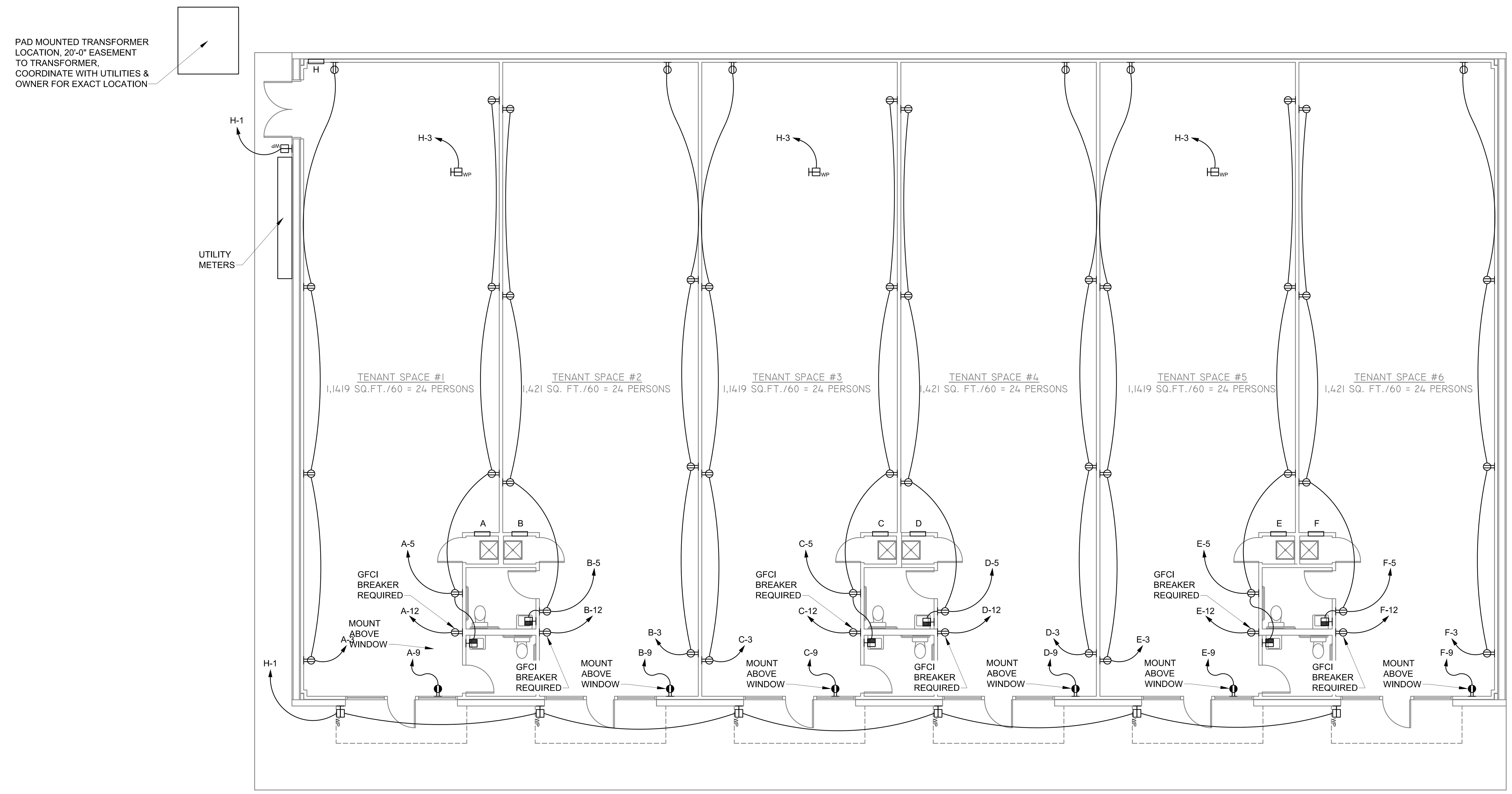
REVISIONS



TYP. MOUNTING

ROOF CURB SERVICE GFCI RECEPTACLE

NOT TO SCALE

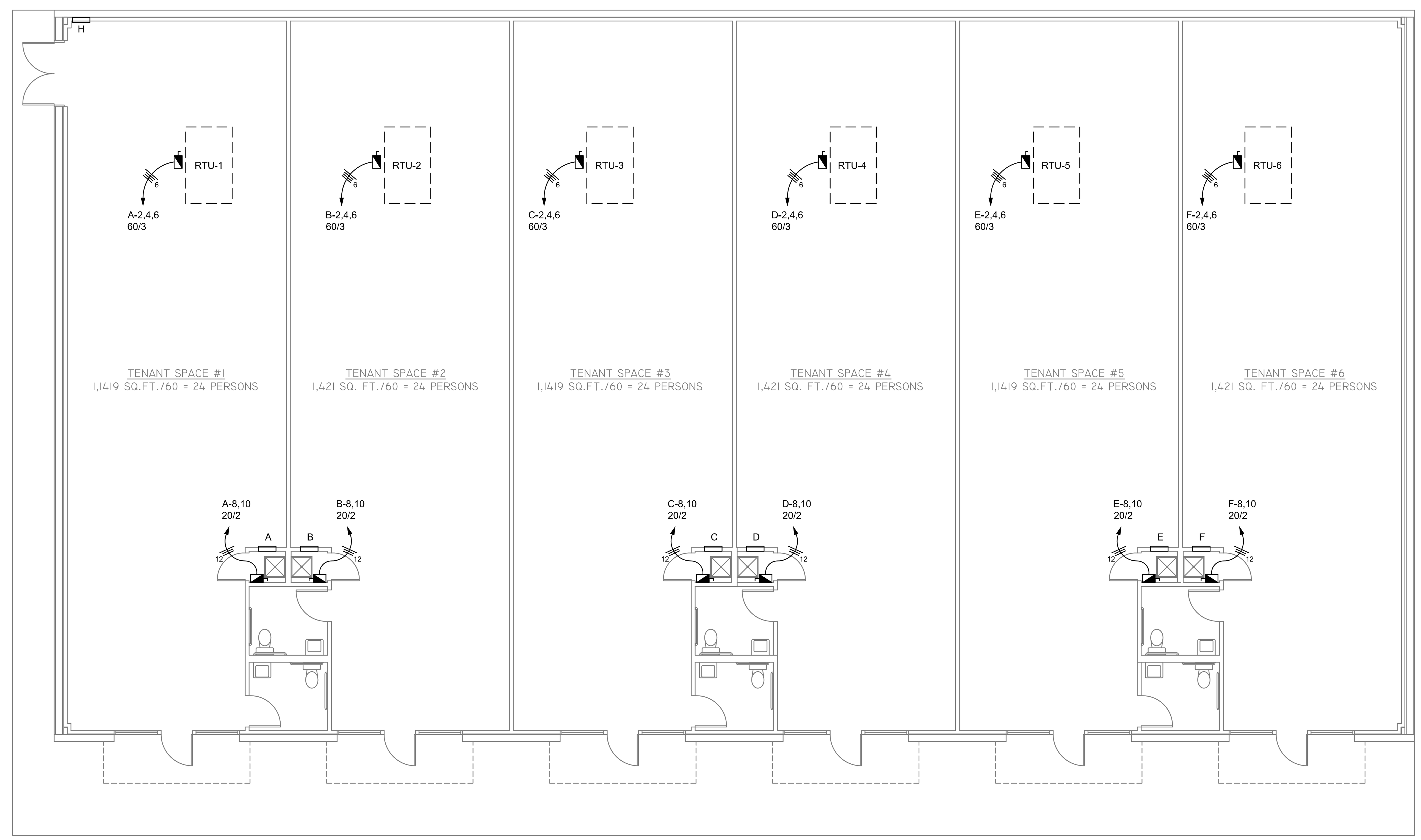


GENERAL

POWER PLAN

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

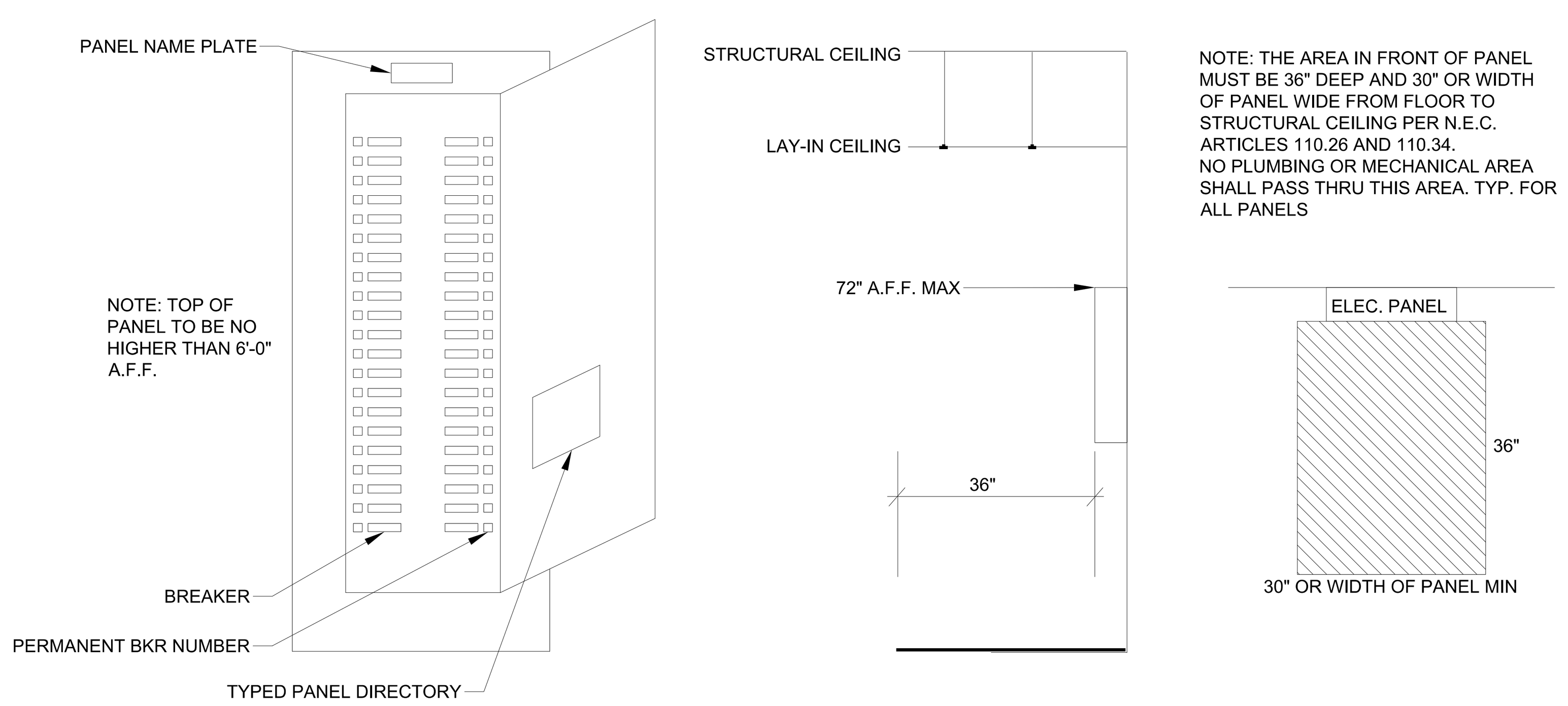
NOTE: ALL EXISTING CONDUCTORS TO BE REMOVED ARE TO BE REMOVED BACK TO SOURCE, DO NOT ABANDON IN PLACE.



HVAC & AUXILIARY

POWER PLAN

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



TYPICAL PANEL INSTALLATION DETAIL

NOT TO SCALE

TOTAL DESIGN ENGINEERING
3408 6th AVENUE SW
HUNTSVILLE, ALABAMA 35805
PHONE: 256-539-8565, FAX: 256-539-8508
EMAIL: JQUILLEN@TOTALDESIGNENGINEERING.COM

RENOVATIONS & ALTERATIONS FOR:

NEW TENANT SPACES 16493 US HWY 72

ROGERSVILLE, ALABAMA

POWER FLOOR PLANS

DRAWN: JLW
CHECKED: JAQ
DATE: 04/27/2022

SHEET NO: E-3 OF 3
JOB NO: TSK-22-074

REVISIONS