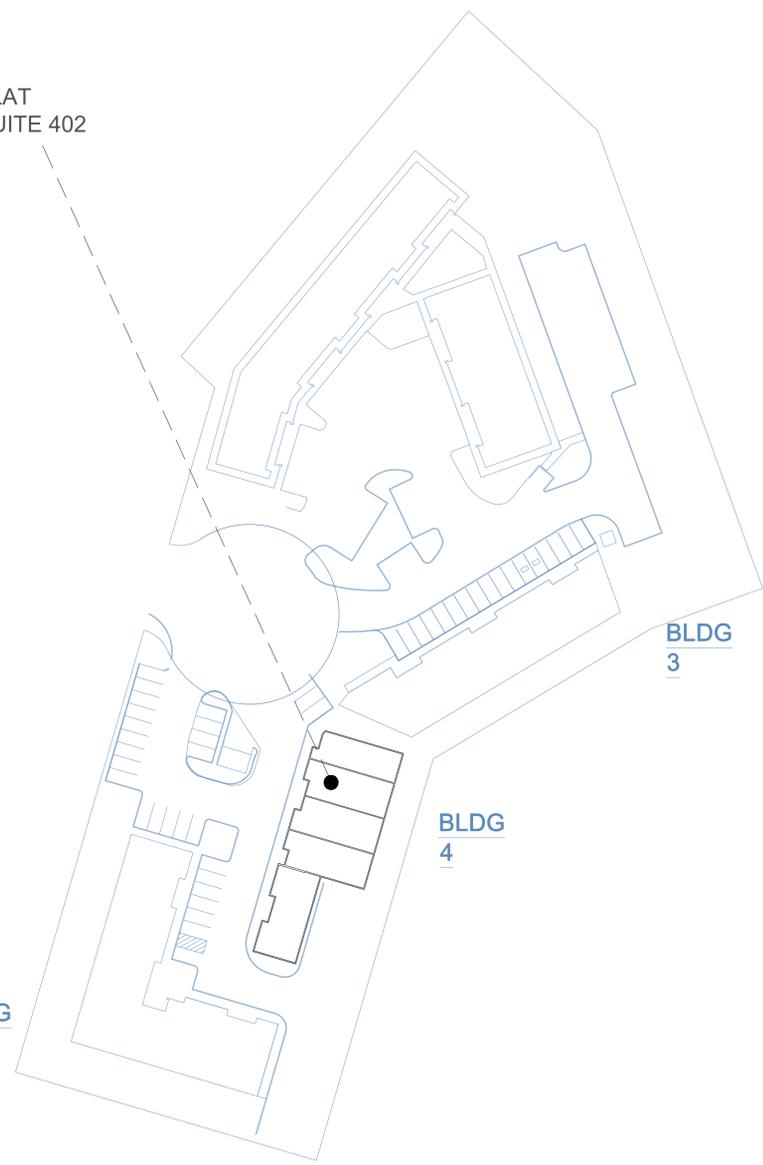


ABBREVIATIONS

A ACCESS ACOUS AFF AL ALT ANNUNC ANOD APPL ARCH AUTO AVG &	ACCESORY ACOUSTIC (AL) ABOVE FINISHED FLOOR ALUMINUM ALTERNATE ANNUNCIATOR ANODIZED APPLIANCE ARCHITECT(URAL) AUTOMATIC AVERAGE AND	J JAN K KIT	JANITOR KITCHEN
B BLDG BOLLD BD BLKG BRDLM BU	BUILDING BOLLARD BOARD BLOCKING BROADLOOM BUILT UP	L LAV LB £ LT LVLG LVT LP	LAVATORY POUND BRITISH POUND (CURRENCY) LIGHT LEVELING LOUVER LOW POINT
C CAB CPT CEM CER CLG COATG COILG CONC CONSTR CONT CONTR COV CMU CIP	CABINET CARPET CEMENT(ITIOUS) CERAMIC CEILING COATING COILING CONCRETE CONSTRUCTION CONTINUOUS(ATION) CONTRACT(OR) COVER CONCRETE MASONRY UNIT CAST-IN-PLACE	M MAX MFD MFR MECH MET MEMB MEZZ MIN MISC MLWK MOIST MOT MTD	MAXIMUM MANUFACTURED MANUFACTURER MECHANICAL METAL MEMBRANE MEZZANINE MINIMUM MISCELLANEOUS MILLWORK MOISTURE MOTOR(IZED) MOUNTED
D DBL DEPT DES DET DF DIA DIFF DIM DISP DIV DN \$ DR DSCON DWG	DOUBLE DEPARTMENT DESIGN(ED) DETAIL DRINKING FOUNTAIN DIAMETER DIFFUSER DIMENSION DISPENSER DIVISION DOWN DOLLAR (US CURRENCY) DOOR DISCONNECT DRAWER	N NIC NO NTS	NOT IN CONTRCT NUMBER NOT TO SCALE
E ELAST ELEC EMBED ENGR ENTR EQ EQUIP EXIST EXP JT EXPS EXT	ELASTOMERIC ELECTRICAL EMBEDD(ED)(ING) ENGINNER(ED) ENTRANCE EQUAL EQUIPMENT EXISTING EXPANSION JOINT EXPOSED(D) EXTERIOR	O ORNA OVFL OVHD OPNG OPR ORD	ORNAMENTAL OVERFLOW OVERHEAD OPENING(S) OPERABLE OVERLOW ROOF DRAIN
F FAB FD FE FE&C FHC FIN FLDG FPLC FR FRMG FXD FXTR FLR FURN FWC	FABRICATION FLOOR DRAIN FIRE EXTINGUISHER FIRE EXTINGUISHER AND CABINET FIRE HOSE AND CABINET FINISH FOLDING FIREPLACE FIRE RAT(ING)(ED) FRAMING FIXED FIXTURE FLOOR(ING) FURNITURE FABRIC WALL COVERING	P PTN PEDR PBD PNL POLYST PORT PREFIN PREFAB PLAM PAS PLSTC PLYWD PRTECN	PARTITION PEDESTRIAN PARITICLE BOARD PANEL POLYSTRENE PORTABLE PREFINISHED PREFABRICATED PLASTIC LAMINATE PASTER PLASTIC PLYWOOD PROTECTION
G GA GFRC GFRG GFRF GL GR GYP	GAUGE GLASS FIBER REINFORCED CONCRETE GLASS FIBER REINFORCED GYPSUM GLASS FIBER REINFORCED PLASTER GLASS GRAD(E)(ING) GYPSUM	R RDR RECES RECPT REF REFL REFR REQD RESIS REINF RESIL RFG RM RO RD RDL	READER RECESSED RECEPTACLE REFER(ENCE) REFLECTED REFRIGERATOR REQUIRED RESIST(ANT)(IVE) REINFORCED(D)(ING)(MENT) RESILIENT ROOFING ROOM ROUGH OPENING ROOF DRAIN ROOF DRAIN LEADER
H HD HDWD HDWE HM HORIZ HVAC HP	HEAD HARDWOOD HARDWARE HOLLOW METAL HORIZONTAL HEATING, VENTILATION, AND AIR CONDITIONING HIGH POINT	S SCR SECUR SF SG SHORG SIM SST STD STL STRFR STRUCT SURF SUSP SYS	SCRIBE SECURITY SQUARE FEET SINGLE SHORING SIMILAR STAINLESS STEEL STANDARD STEEL STOREFRONT STRUCTURAL SURFACE SUSPENDED SYSTEM(S)
I INFO INSTRUM INSUL INTLK INT INFILTR	INFORMATION INSTRUMENT(ATION) INSULATION INTERLOCK(ING) INTERIOR INFILTRATION	T THK TLT TRAF TRANS TRTD T&G TYP	THICK TOILET TRAFFIC TRANSPARENT TREATED TOUNGUE AND GROOVE TYPICAL
		U UNDRLAY UTIL UNO	UNDERLAYMENT UTILITY UNLESS NOTED OTHERWISE
		V VEH VERT VIF	VEHICLE VERTICAL VERIFY IN FIELD
		W WC WD WDW WO WT WTRPRF	WHIT WATER CLOSET WOOD WINDOW WITHOUT WEIGHT WATERPROOFING

PLAT
SUITE 402



DRAWING LIST

- ARCHITECTURAL**
A00 - COVER SHEET / ABBREVIATIONS
A01 - GENERAL NOTES / RATED ASSEMBLY
- A100 - FLOOR PLANS / WALL DETAILS
A101 - FINISHES FLOOR PLAN
- A201 - ELEVATIONS AND DETAILS
A301 - CEILING DETAIL
- PLUMBING**
P100 - PLUMBING PLAN
- MECH**
M100 - MECHANICAL PLAN
- ELECTRICAL**
E100 - ELECTRICAL LIGHTING PLAN
E101 - ELECTRICAL POWER PLAN



BUILDING 4

SUITE #402 (1440.2 SF)

26605 COOK FIELD RD.
KATY, TEXAS 77494

ISSUE LOG	
October, 2024	
Designed by	
Drawn by	Margrita Triana
Checked by	
NO.	DESCRIPTION
1	
2	
3	
4	
5	

BUILDING 4
26605 Cook Field Rd. Katy TX. 77494



Legal Description

LOT/TRACK	Reserve "B"
BLOCK	
Precint	3
SUBD.	Woodcreek Reserve
KEY-MAP	484 E
FLOOD ZONE	X

Plot Date: October 24, 2024
Job No.
Sheet Name:

COVER SHEET /
ABBREVIATIONS

Scale:
Sheet Number:
A00

GENERAL NOTES

- A. COMPLY WITH ALL APPLICABLE CODES, LAWS, ORDINANCES, ORDERS, RULES, AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- B. OBTAIN AND PAY FOR PERMITS AND INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK EXCEPT AS PROVIDED OTHERWISE IN THE SPECIFICATIONS OR OWNER CONTRACTOR AGREEMENT.
- C. REVIEW DOCUMENTS, VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT WORK IS BUILDABLE AS SHOWN. REPORT ANY CONFLICTS OR OMISSIONS TO THE CONTRACTOR/ DESIGNER FOR CLARIFICATION PRIOR TO PERFORMING ANY WORK IN QUESTION.
- D. COORDINATE WORK WITH THE OWNER, INCLUDING SCHEDULING TIME AND LOCATIONS FOR DELIVERIES, BUILDING ACCESS, USE OF BUILDING SERVICES AND FACILITIES, AND USE OF ELEVATORS. MINIMIZE DISTURBANCE OF BUILDING FUNCTIONS AND OCCUPANTS.
- E. OWNER WILL PROVIDE WORK NOTED "BY OTHERS" OR "NIC" UNDER SEPARATE CONTRACT. INCLUDE SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF INSTALLATION.
- F. MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION. COORDINATE WITH OWNER AND/OR PROPERTY MANAGER TO ENSURE SECURITY.
- G. MAINTAIN EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES, AND ALARMS IN CONFORMANCE WITH APPLICABLE CODES AND ORDINANCES.
- H. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, CONSULT THE CONTRACTOR/ DESIGNER.
- J. ALL IN WALL WOOD BLOCKING SHOULD BE FIRE RETARDANT RATED.

APPLICABLE BLDG. CODES

BUILDING CODE: 2021 INTERNATIONAL BUILDING CODE W CITY OF KATY AMENDMENTS
 PLUMBING CODE: 2021 INTERNATIONAL PLUMBING CODE W CITY OF KATY AMENDMENTS
 MECHANICAL CODE: 2021 INTERNATIONAL MECHANICAL CODE W CITY OF KATY AMENDMENTS
 ELECTRICAL CODE: 2023 NATIONAL ELECTRICAL CODE W CITY OF KATY AMENDMENTS
 FIRE/LIFE SAFETY CODE: 2021 INTERNATIONAL FIRE CODE W CITY OF KATY AMENDMENTS
 ACCESSIBILITY CODE: 2021 STATE OF TEXAS ACCESSIBILITY STANDARDS
 ENERGY CODE: 2021 INTERNATIONAL ENERGY CONSERVATION CODE W CITY OF KATY AMENDMENTS
 ASHRAE 90.1-2007 W CITY OF KATY AMENDMENTS

PROJECT DESCRIPTION

SPACE WILL BE USED FOR BUSINESS USE.

SPRINKLERS: NO CLASS: DRY
 STANDPIPES: NO
 FIRE PROTECTION: DRY-CHEMICAL PORTABLE FIRE EXTINGUISHERS TYPE 2A 10BC, 5 LB. CAPACITY, SPACED AT 75'-0" TRAVEL DISTANCE AROUND THE FLOOR

PORTABLE FIRE EXTINGUISHER

PORTABLE FIRE EXTINGUISHERS: WHERE REQUIRED PER CITY OF KATY FIRE DEPARTMENT LIFE SAFETY BUREAU STANDARD 01 REV.05 DATED 05/01/2012.
 EXIT OR EXIT ACCESS DOORWAYS REQUIRED (IBC SECTION 1015.1 AND TABLE 1015.1):
 TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS:
 1. THE OCCUPANT LOAD OF THE SPACE EXCEEDS THE FOLLOWING:
 OCCUPANCY GROUP A 50 OCCUPANTS. (50 X 15 750 SF)
 OCCUPANCY GROUP B 50 OCCUPANTS. (50 X 100 5,000 SF)
 2. THE COMMON PATH OF EGRESS TRAVEL EXCEEDS THE LIMITATIONS OF SECTION 1014.3.

INTERIOR FINISH

WALL AND CEILING FINISHES
 CLASS A: FLAME SPREAD 0-25; SMOKE-DEVELOPED 0-450
 CLASS B: FLAME SPREAD 26-75; SMOKE-DEVELOPED 0-450
 CLASS C: FLAME SPREAD 76-200; SMOKE-DEVELOPED 0-450

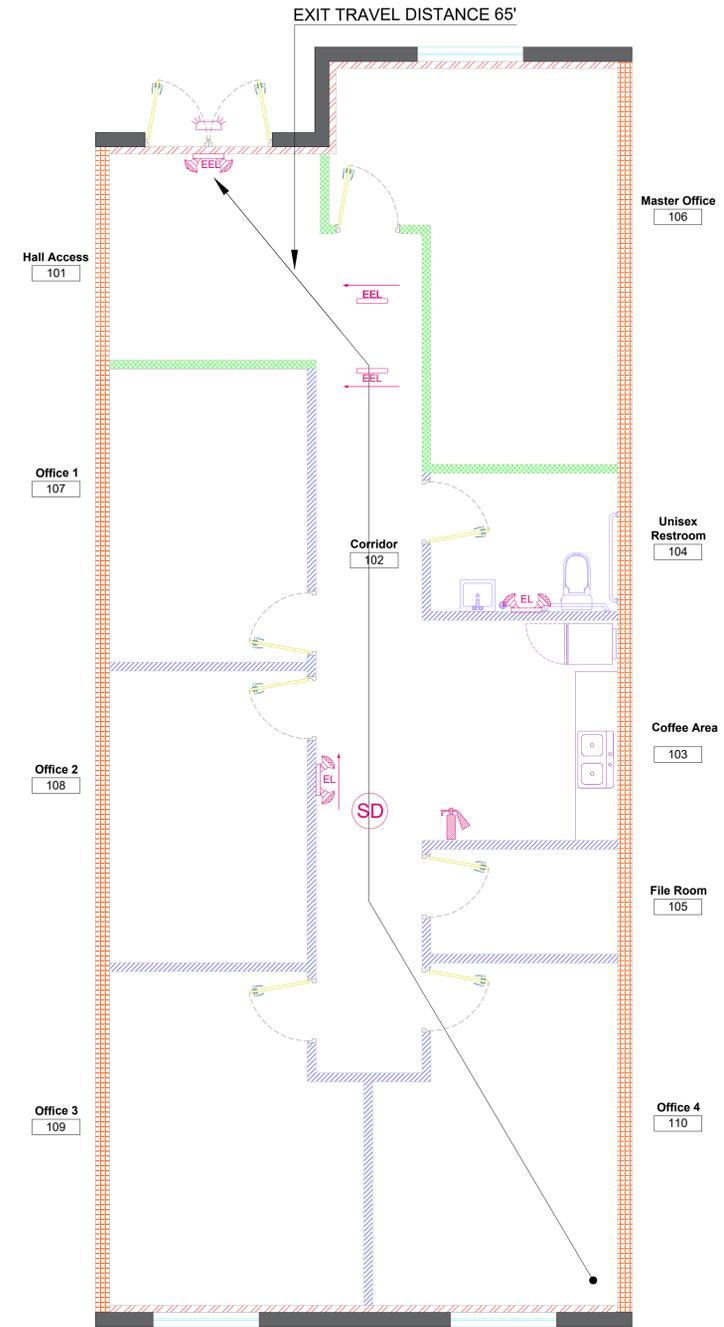
GROUP CLASS
 EXIT ENCLXIT PASSAGEWAYS [A]
 CORRIDORS [A]
 ROOMS AND ENCL SPACES [C OR BETTER]

OCCUPANCY CLASSIFICATION

- OCCUPANCY
- ASSEMBLY A-1 A-2 A-3 A-4 A-5
 - BUSINESS
 - EDUCATIONAL
 - FACTORY F-1 MODERATE F-2 FLOW
 - HAZARDOUS H-1 DETONATE H-2 DEFLAGRATE H-3 COMBUST H-4 HEALTH H-5 HPM
 - INSTITUTIONAL I-1 I-2 I-3 I-4
 - 1-3 CONDITION 1 2 3 4 5
 - MERCANTILE
 - RESIDENTIAL R-1 R-2 R-3 R-4
 - STORAGE S-1 MODERATE OPEN ENCLOSED REPAIR GARAGE
 - UTILITY AND MISC.
- ACCESSORIES OCCUPANCIES
- ASSEMBLY A-1 A-2 A-3 A-4 A-5
 - BUSINESS
 - EDUCATIONAL
 - FACTORY F-1 MODERATE F-2 FLOW
 - HAZARDOUS H-1 DETONATE H-2 DEFLAGRATE H-3 COMBUST H-4 HEALTH H-5 HPM
 - INSTITUTIONAL I-1 I-2 I-3 I-4
 - 1-3 CONDITION 1 2 3 4 5
 - MERCANTILE
 - RESIDENTIAL R-1 R-2 R-3 R-4
 - STORAGE S-1 MODERATE OPEN ENCLOSED REPAIR GARAGE
 - UTILITY AND MISC.

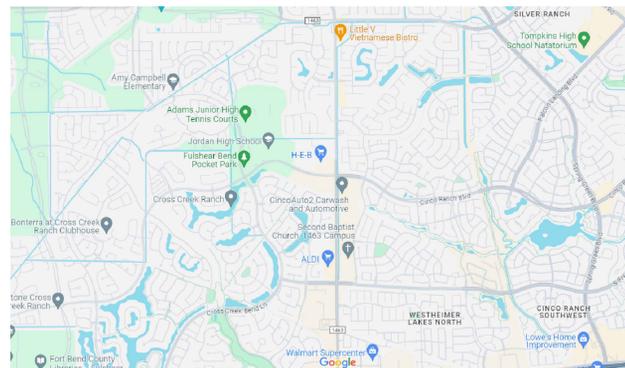
BUILDING TYPE: 5B

OCCUPANCY CALCULATOR				
Building No. 4 - Suite 401 thru Suite 405				
No. Room	Room Name	Sq. Ft.	Sq. Ft./Occ.	Total People
S401	Suite 401	1200.38	150	8.0
S402	Suite 402	1435.46	150	9.6
S403	Suite 403	1435.46	150	9.6
S404	Suite 404	1425.67	150	9.5
S405	Suite 405	1750.22	150	11.7
Footage Building		7247.29		TOTAL OCC.=50

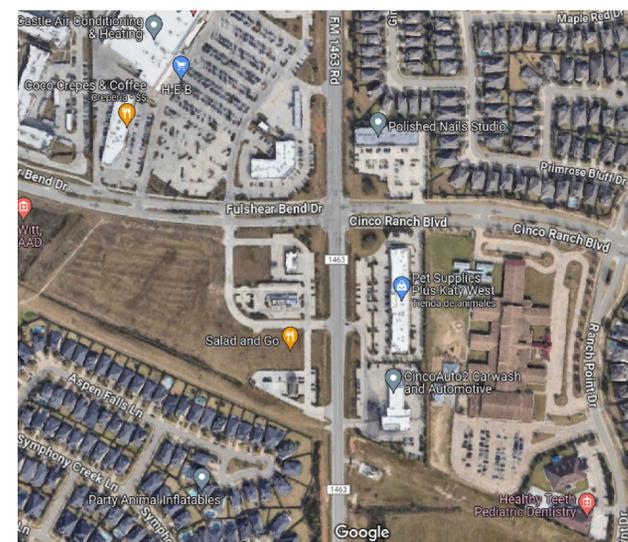


8 SUITE 402 - EGRESS PLAN
 SCALE: 1/4" = 1'

VICINITY MAP



LOCATION MAP



ISSUE LOG	
NO.	DESCRIPTION
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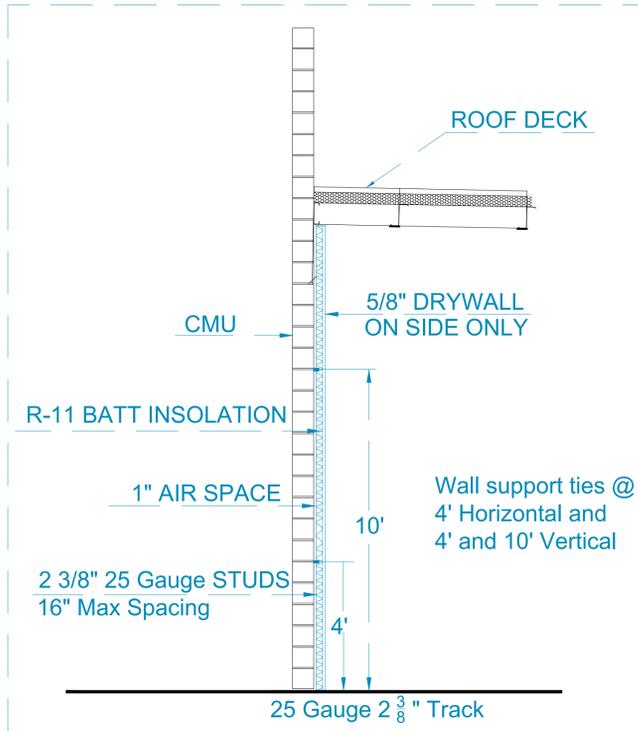
BUILDING 4
 26605 Cook Field Rd. Katy TX. 77494



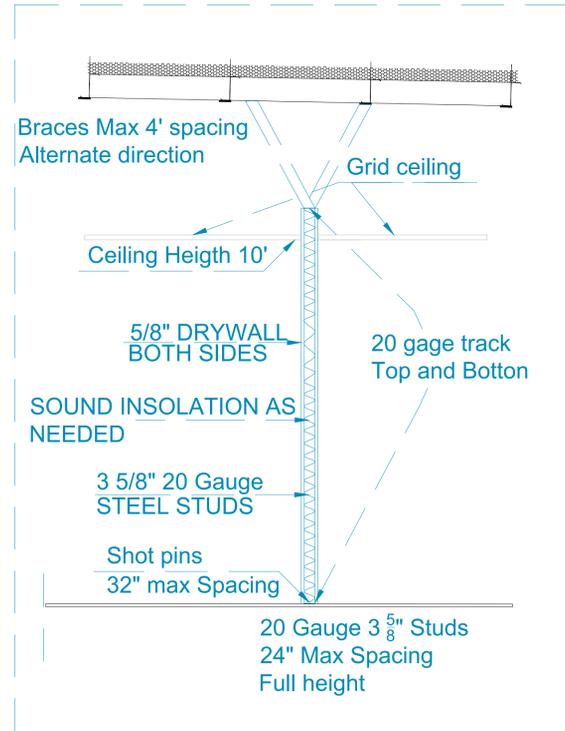
Legal Description	
LOT/TRACK	Reserve "B"
BLOCK	
Precint 3	
SUBD.	Woodcreek Reserve
KEY-MAP	484 E
FLOOD ZONE	X

Plot Date: October 24, 2024
 Job No.
 Sheet Name:
GENERAL NOTES / RATED ASSEMBLY
 Scale:
 Sheet Number:
A01

DETAIL 1
ALL EXTERIOR WALLS TYPICAL

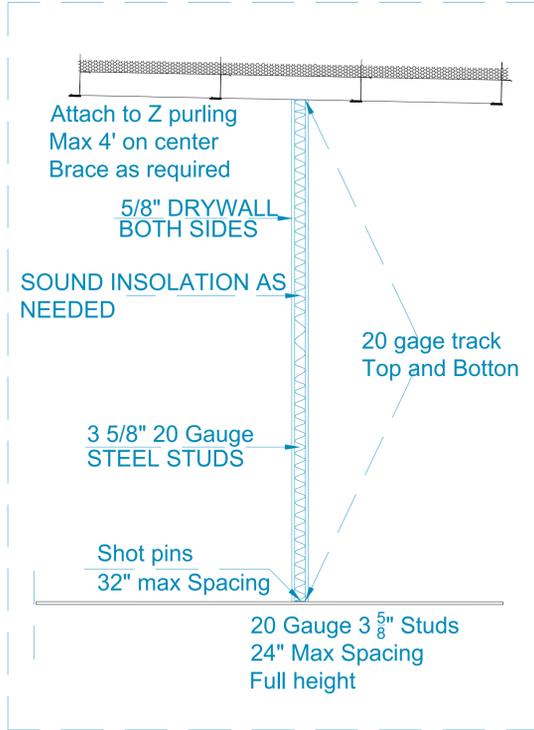


DETAIL 3
OFFICE WALLS

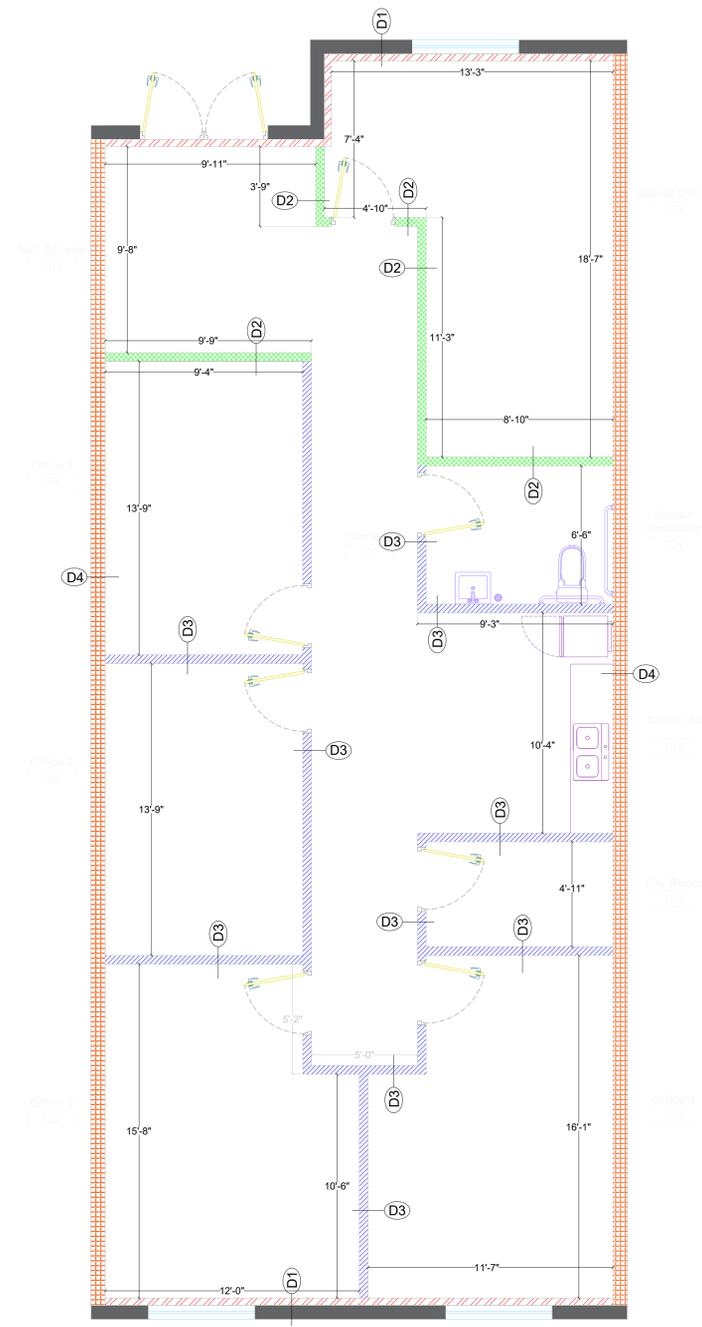
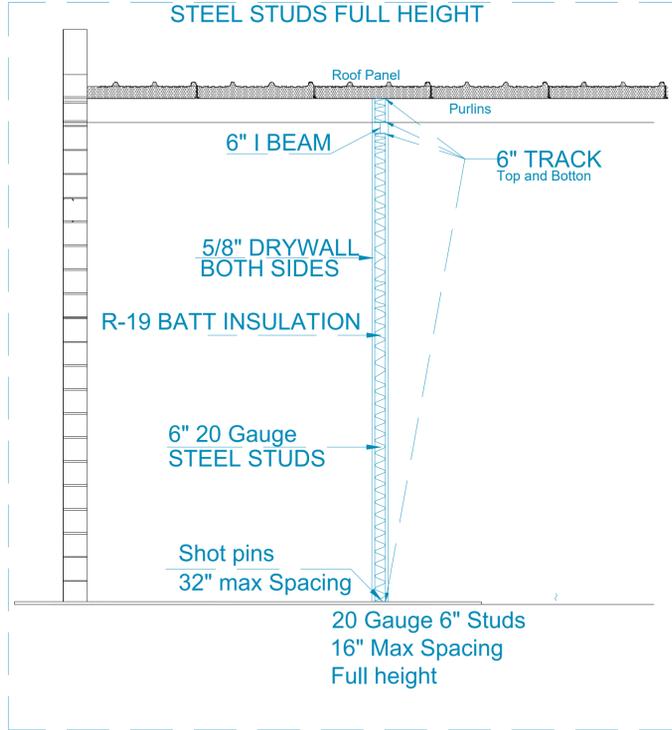


CEILING HEIGHT	
- RECEPTION	12'
- CONFERENCE ROOM	10'
- GRID CEILING	10'

DETAIL 2
RECEPTION AND CONFERENCE ROOM



DETAIL 4
DEMISING WALL 6" 20 GAGE
STEEL STUDS FULL HEIGHT



8 SUITE 402 - FLOOR PLAN
SCALE: 1/4" = 1'-0"

ISSUE LOG October, 2024

NO.	DESCRIPTION
1	
2	
3	
4	
5	

BUILDING 4
26605 Cook Field Rd. Katy TX. 77494



Legal Description

LOT/TRACK	Reserve "B"
BLOCK	
Precint	3
SUBD.	Woodcreek Reserve
KEY-MAP	484 E
FLOOD ZONE	X

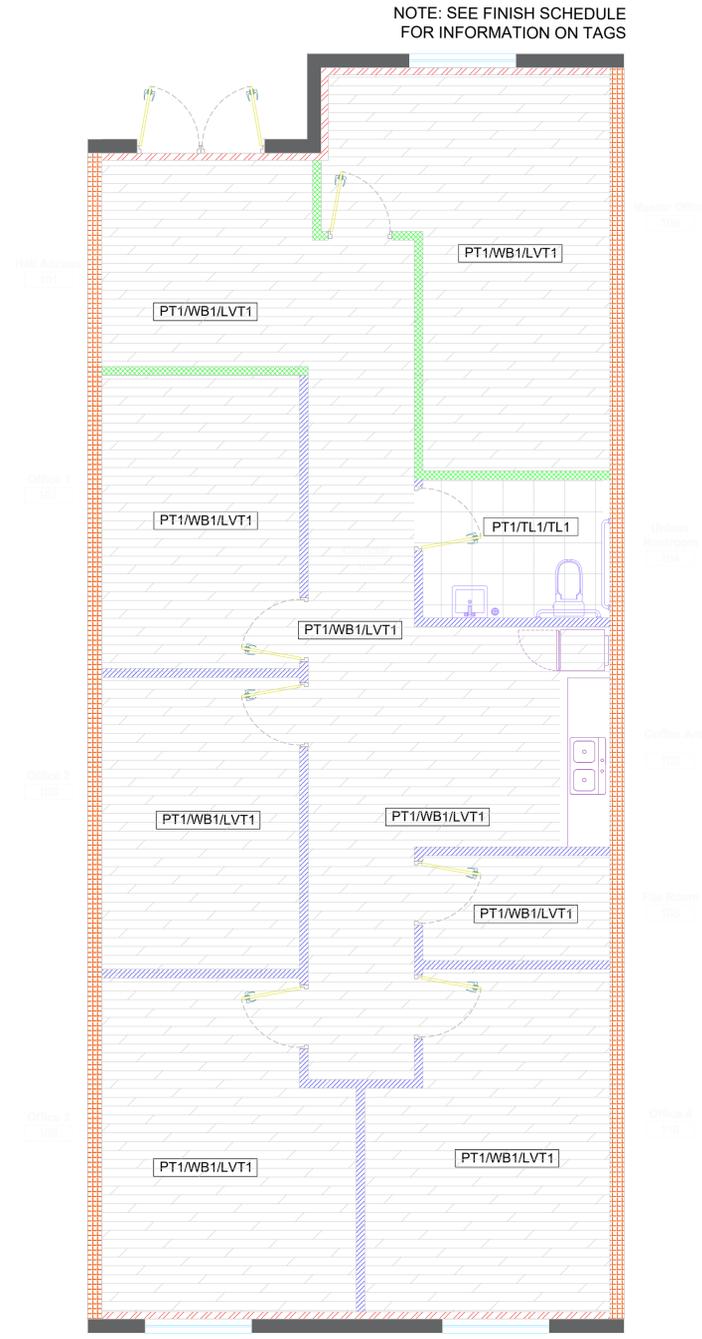
Plot Date: October 24, 2024
Job No:
Sheet Name:

WALL DETAILS

Scale:
Sheet Number: **A100**

ROOMS	FLOOR	BASE	WALLS	CEILINGS	NOTES	REMARKS
NAMES	VINYL PLANK FLOORING- SELECT BY OWNER - TL1	4" VINYL BASE - WB1	10'-0" OF MARLITE PT1, WHITE COLOR, NONABSORBENT.	10'-0" HGT. 2'X2'X5/8" ARMSTRONG OR EQUAL MODEL WASHABLE CEILING TILE AT RESTROOM AND WET AREA - CL3	NON - ABSORBENT FINISH AROUND MOP SINK AREA	1. ALL FRP WAINSCOTING SHALL BE WHITE IN COLOR. 2. ALL WALLS AND CEILINGS TO BE PAINTED SHALL BE LIGHT IN COLOR. TAGS SHALL BE 40 OR GREATER LRV FOR WALLS.
LOBBY	●	●	●	●		
RECEPTION	●	●	●	●		
OFFICES	●	●	●	●		
CONFERENCE	●	●	●	●		
BREAK RM	●	●	●	●		
CORRIDOR	●	●	●	●		
STORE RMS	●	●	●	●		
RESTROOM	●	●	●	●		

5 FINISH SCHEDULE
SCALE: NONE



8 SUITE 402 - FLOOR PLAN
SCALE: 1/4" = 1'-0"

ISSUE LOG		October, 2024
Designed by	Margarita Triana	
Drawn by	Margarita Triana	
Checked by		
NO.	DESCRIPTION	
1		
2		
3		
4		
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BUILDING 4
26605 Cook Field Rd. Katy TX. 77494



Legal Description	
LOT/TRACK	Reserve "B"
BLOCK	
Precint	3
SUBD.	Woodcreek Reserve
KEY-MAP	484 E
FLOOD ZONE	X

Plot Date: October 24, 2024
Job No:
Sheet Name:

FINISHES FLOOR PLAN

Scale:
Sheet Number:
A101

TYPICAL REST ROOM FIXTURES

- WC WATER CLOSET - AS PER GC SPEC
- LAV LAV - AS PER GC SPEC, DECORUM 21" X20-1/4" OR SIMILAR
- MR MIRROR - WALL HUNG MIRROR AS PER GC BOBRICK 165 SERIES (24"X36") OR SIMILAR
- T1 ADA GRAB BARS 36" - BOBRICK B-68061 OR EQUAL - 1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE CONCEALED MOUNTING. RESIST A SINGLE CONCENTRATED LOAD OF 250 POUND, APPLIED IN ANY DIRECTION AT ANY POINT (RE: SECTION 1607.8.2) (SEE ELEV. FOR LENGTH)
- T2 TOILET PAPER DISPENSER - BOBRICK B6999 OR EQUAL
- T3 SEAT COVER DISPENSER - BOBRICK B-4221 OR SIMILAR
- T4 SANITARY NAPKIN DISPOSAL BOBRICK B-47064 25 OR EQUAL
- T5 TRASH AND TOWEL DISPENSER - B-3942 SEMI RECESSED CONVERTIBLE PAPER TOWEL DISPENSER/TRASH RECEPTACLE COMBO OR EQUAL

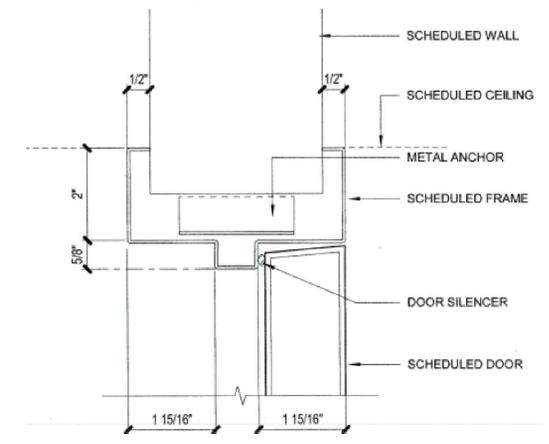
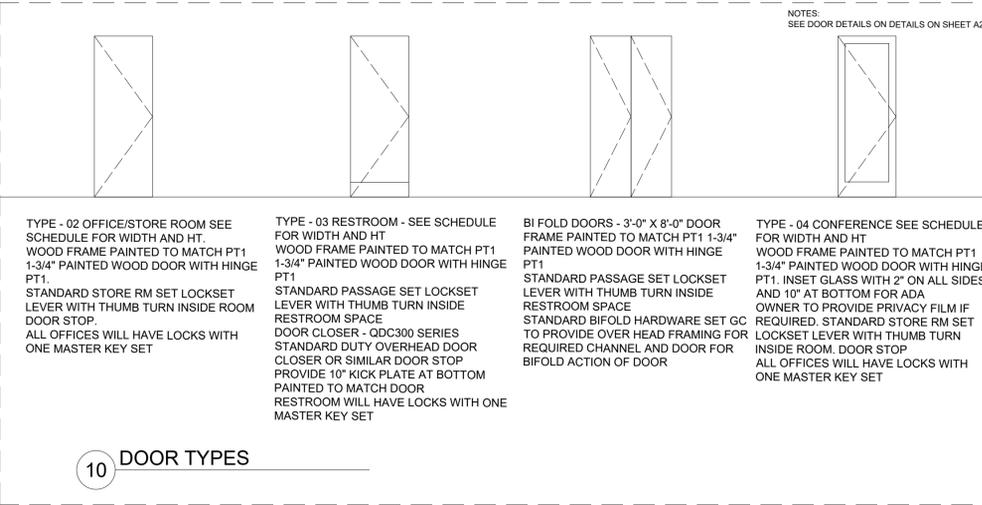
COUNTER TOP SOAP DISPENSER - BY OWNER
 COUNTER TOP PAPER TOWER HOLDER - BY OWNER

TL3 WALL TILE - CERAMIC TILE 12"X24" ON WET WALL WITH BASE 6" HIGH AT NON WET WALLS

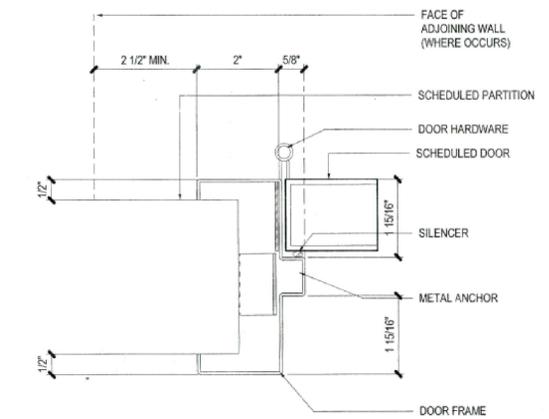
INSULATE ALL SUPPLY AND WASTE LINES UNDER LAVATORY

NOTES:
 SEE ALL MOUNTING HEIGHTS ON SHEET A004
 OWNER TO PROVIDE COUNTER TOP SOAP DISPENSER AND PAPER TOWEL HOLDER
 UNDER COUNTER TRASH TO BE PROVIDED BY OWNER
 SEE SPEC ABOVE. FOR MORE INFORMATION SEE PLUMBING SHEET

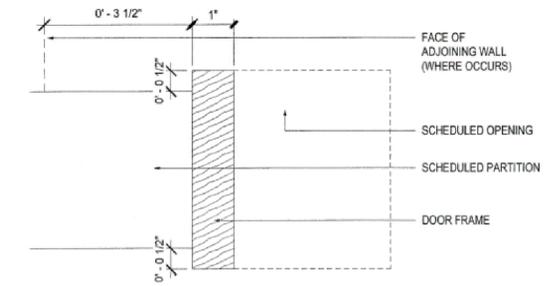
DOOR SCHEDULE											
ROOM	SIZE	DOOR MATERIAL	DOOR FINISH	FIRE FINISH	FRAME FINISH	FRAME MATERIAL	FRAME TYPE	WIDTH	DOOR HEIGHT	HARDWARE SET	COMMENTS
101	6'-0"X8'-0"							6'-0"	8'-0"		EXISTING EXTERIOR DOOR
104	3'-0"X8'-0" - INTERIOR	WD	PT1		PT1	WD	WD	3'-0"	8'-0"	SET 02	TYPE 03
105	3'-0"X8'-0" - INTERIOR	WD	PT1		PT1	WD	WD	3'-0"	8'-0"	SET 02	TYPE 02
106	36"X96"							3'-0"	8'-0"	SET 02	TYPE 04 GLASS INSERT
107	3'-0"X8'-0" - INTERIOR	WD	PT1		PT1	WD	WD	3'-0"	8'-0"	SET 02	TYPE 02
108	3'-0"X8'-0" - INTERIOR	WD	PT1		PT1	WD	WD	3'-0"	8'-0"	SET 04	TYPE 02
109	3'-0"X8'-0" - INTERIOR	WD	PT1		PT1	WD	WD	3'-0"	8'-0"	SET 02	TYPE 02
110	3'-0"X8'-0" - INTERIOR	WD	PT1		PT1	WD	WD	3'-0"	8'-0"	SET 04	TYPE 02



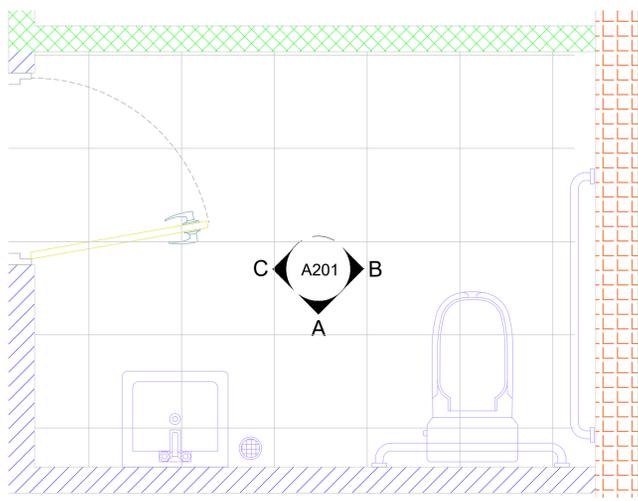
13 DOOR HEAD TYP



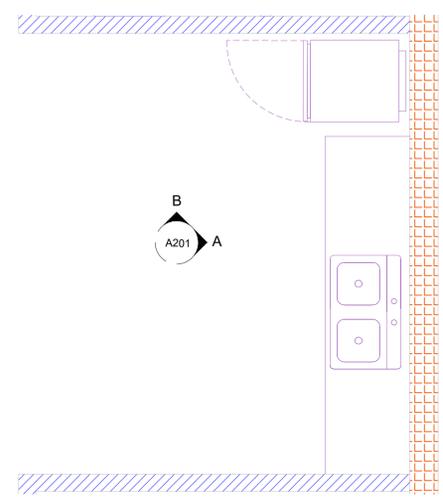
14 DOOR JAMB FRAMED OPENING



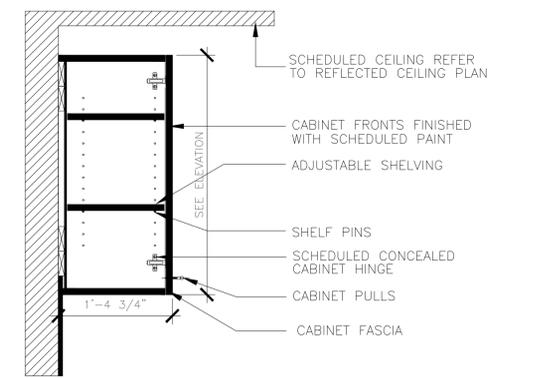
15 DOOR JAMB TYP.



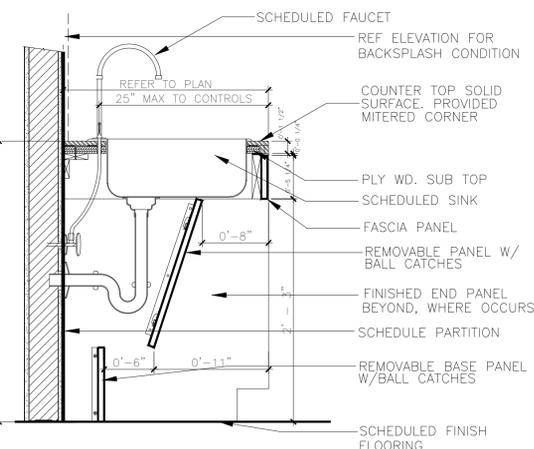
4 ENLARGED FLOOR PLAN - SUITE 402 RESTROOM
 SCALE: 3/4" = 1'-0"



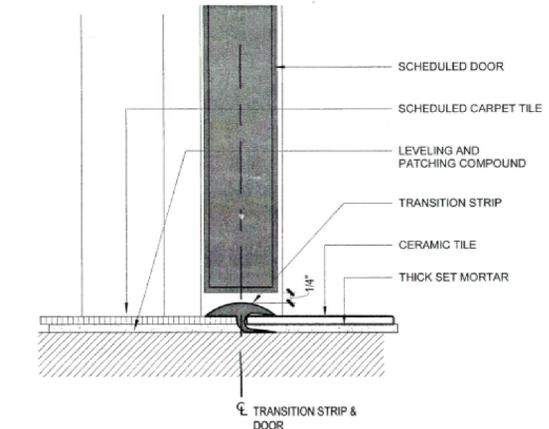
4 ENLARGED FLOOR PLAN - SUITE 402 COFFE AREA
 SCALE: 1/2" = 1'-0"



11 UPPER CABINET WITH BACK SPLASH
 SCALE: 1" = 1'-0"



12 ADA SINK WITH ST COUNTER TOP
 SCALE: 1" = 1'-0"



16 FLOOR TRANSITION - LVT TO TILE

ISSUE LOG October, 2024

NO.	DESCRIPTION
1	
2	
3	
4	
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BUILDING 4
 26605 Cook Field Rd. Katy TX. 77494



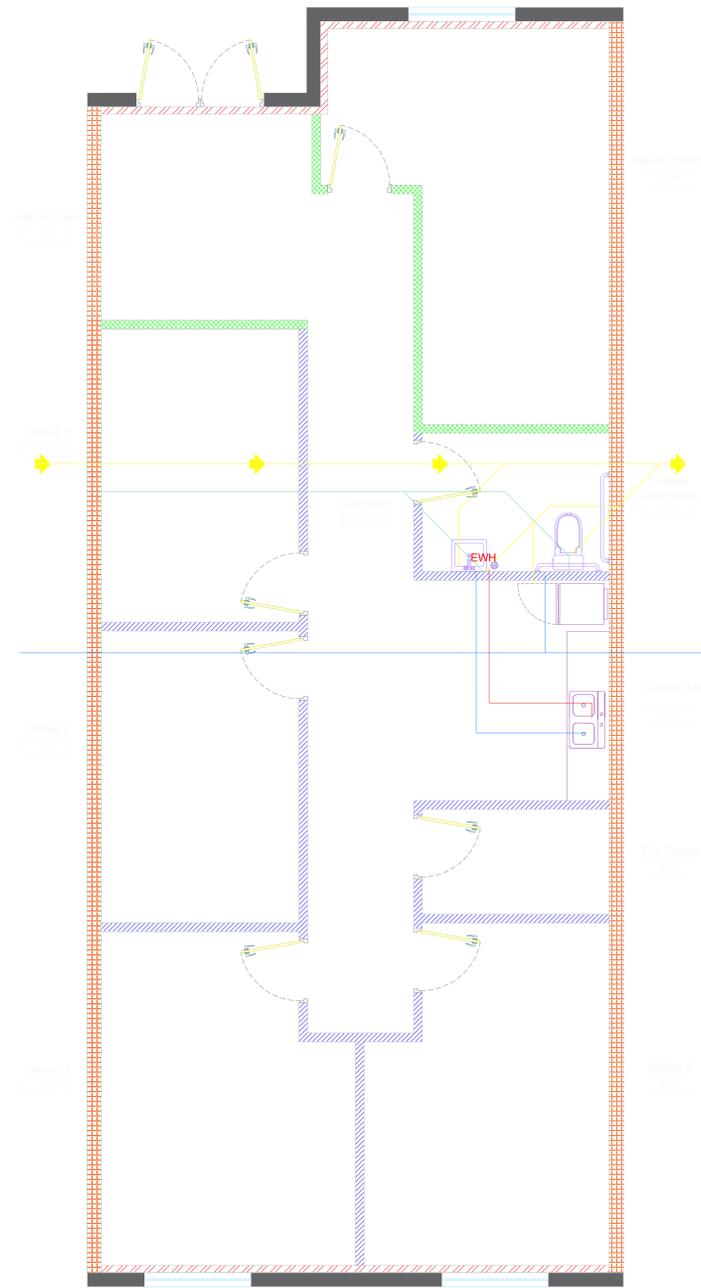
Legal Description

LOT/TRACK	Reserve "B"
BLOCK	
Subd.	Woodcreek Reserve
KEY-MAP	484 E
FLOOD ZONE	X

Plot Date: October 24, 2024
 Job No:
 Sheet Name:

ELEVATIONS AND DETAILS

Scale:
 Sheet Number:
A201



8 SUITE 402 - PLUMBING PLAN
SCALE: 1/4" = 1'-0"

PLUMBING FIXTURE SCHEDULE						
FIXTURE	FIXTURE TYPE	CONNECTION SIZE				DESCRIPTION
		SAN	SEWER	VENT	CW HW	
	WATER CLOSET	4"	4"	1"	-	AM. STANDARD "CADET ELONGATED PRESSURE ASSISTED TOILET" #2333 100 1.28 GALLON PER FLUSH BOWL/TANK COMBO WITH CHURCH 293SS WHITE O.F. SEAT W/COVER AND SELF SUSTAIN HINGE 1/2" C.P. SUPPLY WITH CHROME PLATED STOP AND CHROME PLATED RISER. MOUNT 9" AFF MIN. HIGH EFFICIENCY WATER CLOSET (1.28 GPF)
	LAVATORY	2"	2"	1/2"	1/2"	LAVATORY WITH RELIANT 2385.001 SINGLE LEVER 4" CENTER SET FAUCET W/POP UP DRAIN 1 1/4" C.P.P. TRAP 3/8" CHROME PLATED ANGLE STOPS W/FLEX RISERS
	SINK	2"	2"	1/2"	1/2"	SINK ADVANCE TABCO
	FLOOR DRAIN	3"	2"	-	-	FLOOR DRAIN: J.R. SMITH #2010A WITH 722Z TRAP OR EQUAL APPROVED
	TANKLESS	-	-	3/4"	3/4"	20 AMPS GENERAL PURPOSE ELECTRIC TANKLESS WATER HEATER 1800 W WATTS, AMPS - WATER HEATER

NOTES:
ALL PLUMBING FIXTURES SHALL COMPLY WITH ADA REGULATIONS.
NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT.

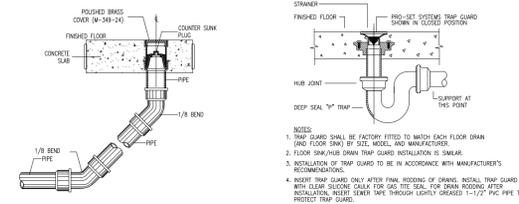
PLUMBING SYMBOL LEGEND	
	COLD WATER LINE
	HOT WATER LINE
	SANITARY SEWER VENT
	SANITARY WASTE LINE
	WALL CLEANOUT
	FLOOR CLEANOUT
	FLOOR DRAIN

PIPING MATERIALS

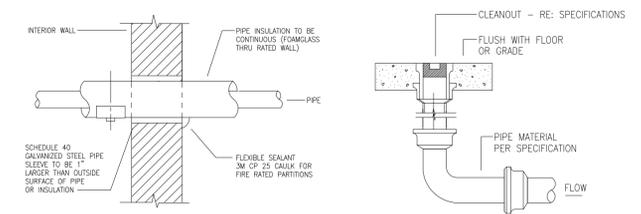
ALL WATER PIPING SYSTEMS WILL BE VALVED AT THE SOURCE: ON INLET SIDE OF HEATERS, EACH SIDE OF EQUIPMENT AND AT ALL FIXTURE

- 1.- WATER PIPING INSIDE BUILDING WILL BE COMMERCIAL GRADE PEX OR CPVC
- 2.- SANITARY SEWER IS TO BE SCHEDULE 40 PVC W/DWV FITTINGS
- 3.- VENT PIPING SHALL BE SCHEDULE 40 PVC
- 4.- CLEANOUTS SHALL BE ZURN OR APPROVED EQUAL
- 5.- HOT WATER: INSULATION 1" FIBERGLAS PIPE

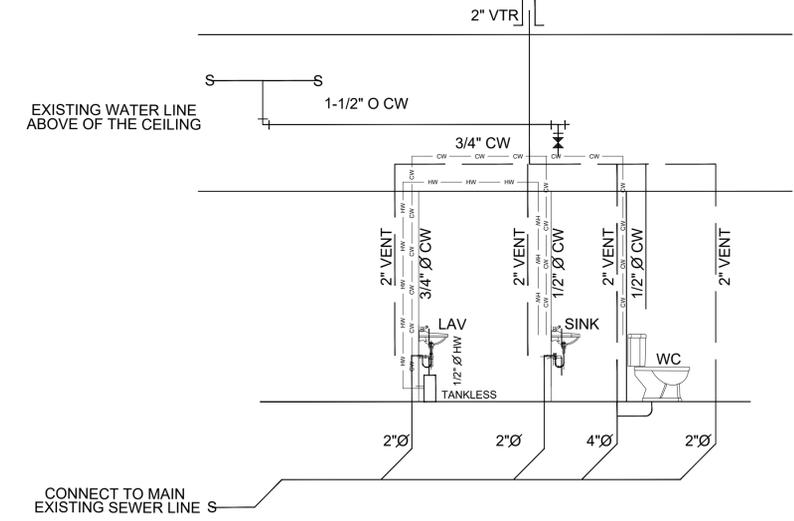
MIXING VALVES (THERMOSTATIC)
LIMITATION OF HOT WATER FOR LAVATORIES. HOT WATER DELIVERED FROM HAND SINKS/PUBLIC-USE LAVATORIES SHALL BE LIMITED TO A MAXIMUM TEMPERATURE OF 120 DEGREE F. THE WATER HEATER THERMOSTAT SHALL NOT BE CONSIDERED A CONTROL FOR MEETING THE PROVISION. PROVIDE A CUT SHEET THAT SHOWS TYPE OF MIXING VALVE AND SHOWS A UL LISTING FROM AN APPROVED LISTING AGENCY



1 PUMB. EXT. CLEAN OUT SCALE: NONE
2 DRAIN DETAIL SCALE: NONE



3 INT. WALL PENETRATION SCALE: NONE
4 FLOOR CLEANOUT SCALE: NONE



16 PLUMB - RISER DIAGRAM
SCALE: NTS

ISSUE LOG	
October, 2024	
Designed by	
Drawn by	Margrita Triana
Checked by	
NO.	DESCRIPTION
1	
2	
3	
4	
5	

BUILDING 4
26605 Cook Field Rd. Katy TX. 77494



Legal Description	
LOT/TRACK	Reserve "B"
BLOCK	
Precint	3
SUBD.	Woodcreek Reserve
KEY-MAP	484 E
FLOOD ZONE	X
Seal:	

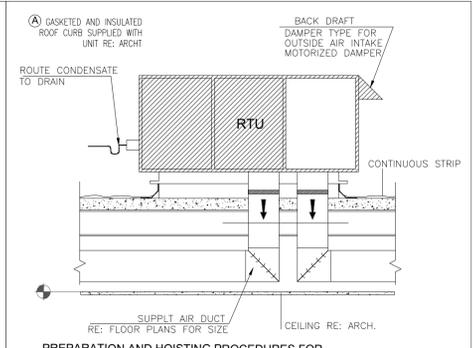
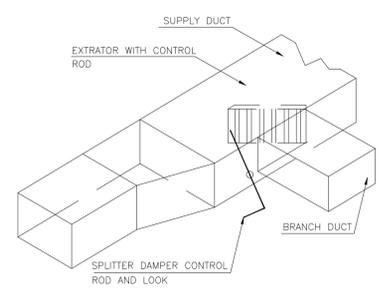
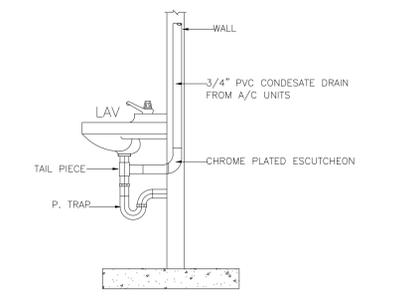
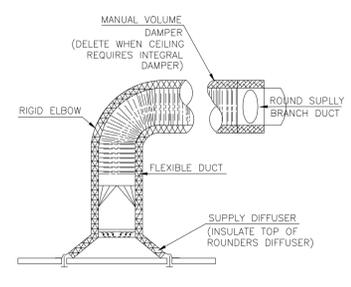
Plot Date: October 24, 2024
Job No:
Sheet Name:

PLUMBING

Scale:
Sheet Number:
P100

FLEXIBLE DUCT SIZE	CFM RANGE
6" DIA.	0 TO 125.
8" DIA.	126 TO 230.
10" DIA.	231 TO 350.
12" DIA.	351 TO 500.
14" DIA.	501 TO 650.
16" DIA.	651 TO 825.

NOTE:
 1.- SUPPORT FLEX DUCT FROM STRUCTURE SO THAT IT DOES NOT KINK, SAG OR REST ON LIGHT FIXTURE, CEILING SUPPORT TEES OR TILE
 2.- SEE PLAN FOR DUCT SIZE. PROVIDE SAME SIZE AS DIFFUSER NECK SIZE



- PREPARATION AND HOISTING PROCEDURES FOR**
- 1.- INSTALL SUPPLY/RETURN PLENUMS BEFORE SETTING UNIT ON CURB
 - 2.- DRIVE SCREW TOP BOTH SUPPLY AND RETURN PLENUMS TO CURB. THIS WILL PREVENT AIR LEAKS BETWEEN PLENUMS AND CEILING SPACE
 - 3.- MAKE SURE ALL BEARING SURFACES ON CURB ARE FULLY GASKETED, AS SHOWN IN HEAVY BLACK ON THE HOISTING DETAILS. THIS WILL PREVENT AIR AND WATER LEAKS
 - 4.- HOOK RIGGING SHACKLES THROUGH HOLES IN LIFTING LUGS OR BRACKETS AS SHOWN IN DETAILS
 - 5.- USE SPREADER BARS ACROSS THE TOP OF THE UNIT TO PREVENT CRUSHING THE UNIT FRAME AND PANELS
 - 6.- REMOVE DUCT COVERS IN BOTTOM OF UNIT FROM DOWN DISCHARGE/RETURN DUCT CONNECTIONS BEFORE SETTING UNIT ON CURB
 - 7.- AFTER UNIT HAS BEEN SET, CHECK ALIGNMENT OF UNIT AND GASKETING TO INSURE AIRTIGHT SEALS
 - 8.- HVAC INSTALLER TO DEPLOY ECONOMIZER RAIN HOOD AND INSTALL COMBUSTION AIR INLET AND VENT AIR OUTLET HOODS ON THE UNIT INLET & OUTLET HOODS WILL BE SHIPPED IN THE BLOWER COMPARTMENT. HOOD IS SHIPPED SEPARATELY IN A WOODEN GRATE A CARDBOARD COVER WHICH PROTECTS THE CONDENSORS SHOULD ONLY BE REMOVED BY THE HVAC SUPPLIER STARD UP TECHNICIAN
 - 9.- ELECTRICAL & PLUMBING CONTRACTORS ARE RESPONSIBLE FOR PROVIDING WATER-TIGHT SEAL AROUND ALL CONDUIT AND PIPING PENETRATIONS THROUGH BOTTOM OF HVAC UNITS

5 HVAC SCHEDULE

HVAC SCHEDULE	TRANE OR EQUIVALENT
UNIT NUMBER	ROOF TOP UNIT#1
MANUFACTURER	TRANE or EQUIVALENT
MODEL#	TSC060F4
SEER	14
NOMINAL CFM	2000CFM
TONS	5 TON
NET COOLING	58,000
AMBIENT AIR TEMP	
OUTSIDE AIR	200 CFM
BTU	60,000
TOTAL HEAT	40.97 MBH
ELECTRICAL DATA	12.0 KW
VOLTS/PHASE	208/240-1 PH-60HZ
MIN CIRCUIT	40/45
UNIT WEIGHT	611 LBS
ACCESSORIES	MOTORIZED DAMPER

6 OUTDOOR AIR

OUTDOOR AIR REQUIREMENTS CALCULATIONS
 EQUATION: $V_{bz} = R_p P_z + R_o A_z$

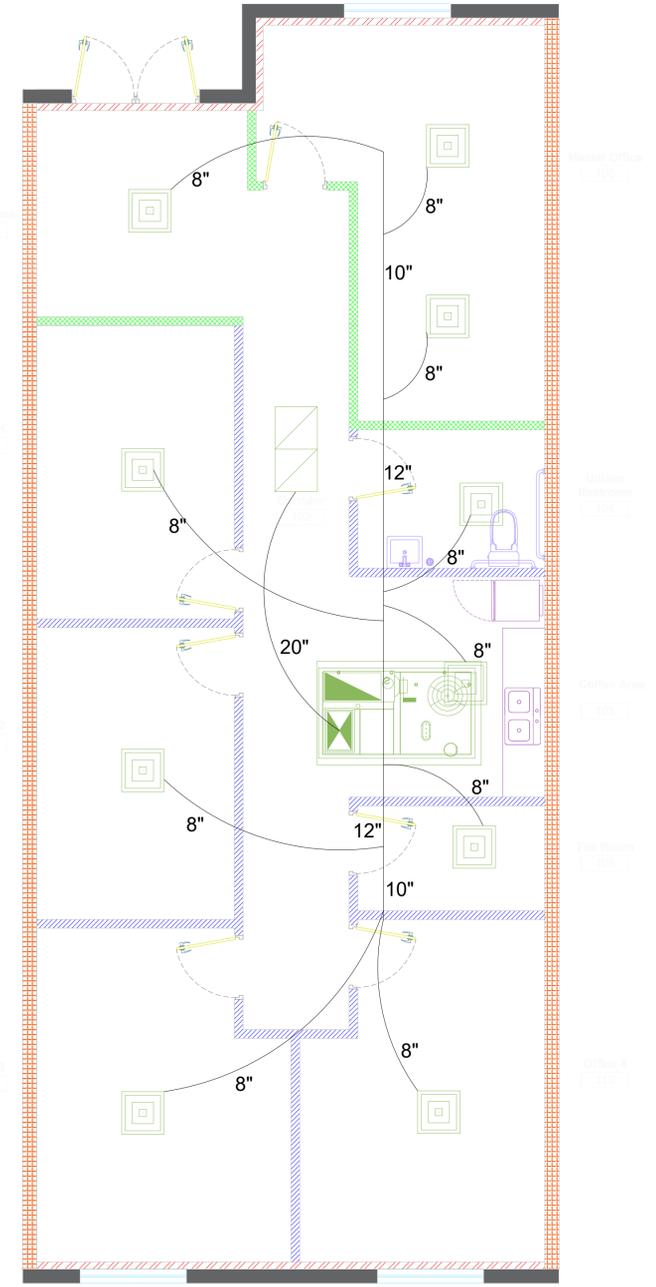
OFFICE = $5 \times 10 + 0.06 \times 1250 = 125 \text{ CFM}$
 AIR CONDITIONER OUTSIDE AIR PROVIDED = 200 CFM

8 EXHAUST FAN

MARK	EXHAUST FAN-1
DESCRIPTION	BROAN-NU TONE
CFM	MDL 696N (OR EQUAL)
ELECTRIC	50 CFM
WATTS	40
VOLTAGE	120V 60 HZ
PH	1
S.P.	0.125
SONES	1.9

- 9 HVAC LEGEND**
SCALE: NONE
- 24" X24" 4-WAY BLOW CEILING DIFFUSER TO BE LOCATED AS SHOWN
 - 24" X24" R/A GRILLE INCLUDING R/A DUCTWORK
 - 12"X12" 4-WAY BLOW CEILING DIFFUSER "CARNES SFTA W/KXMA (405) OPP. BLADE DAMPER
 - TYPICAL INDICATION OF SECONDARY & FLEX DUCT DIAMETER
 - SOLID-STATE PROGRAMMABLE THERMOSTAT
 - TOILET EXHAUST FAN - 50 CFM

- 10 HVAC NOTES**
- NOTE:**
- 1.- ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED AS PER MANUFACTURES SPECIFICATIONS AND IN ACCORDANCE WITH ALL GOVERNING CODES
 - 2.- ALL ROOF TOP EQUIPMENT SHALL HAVE MANUFACTURE'S APPROVED ROOF CURBS AND SEALS. CURBS DESIGNED SHALL COMPLY WITH NATIONAL ROOFING CONTRACTOR ASSOCIATION REQUIREMENTS. TOP OF CURBS TO BE LEVEL A MINIMUM 12" ABOVE ROOF SURFACE
 - 3.- CONTRACTOR SHALL FURNISH AND INSTALL A 4" HIGH BLACK NAMEPLATE FOR EACH ROOF TOP UNIT AND FAN
 - 4.- CONDENSATE DRAINAGE FROM ALL ROOF TOP UNITS SHALL BE TRAPPED AND PIPED INDIRECTLY TO THE NEAREST APPROVED RECEPTOR. ALL ROOF TOP CONDENSATE PIPING TO BE PROVIDED WITH SLEEPER SUPPORTS WITH ONE PERCENT MINIMUM SLOPE
 - 5.- INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE AND PROPERLY SUPPORTED DUCT TRANSITIONS SHALL BE SMOOTH AND GRADUAL WITH MAXIMUM DIVERGENT ANGLE OF 15
 - 6.- METAL DUCT SHALL BE GALVANIZED STEEL SHEETING WITH INTERIOR DUCT LINER 1 1/2" THICK RIGID BOARD TYPE. INSULATION COMPOSED OF RESIN-BONDED GLASS FIBERS R-6 CLASS 1 AIR DUCT
 - 7.- FLEX DUCT SHALL BE HELIX WIRE CORE R-6 INSULATION, ALUMINUM FOIL FACING, CLASS 1 AIR DUCT
 - 8.- ALL SUPPLY AND RETURN AIR DEVICES SHALL BE A PREFINISHED METAL COORDINATE LOCATIONS OR AIR DEVICES WITH LIGHT FIXTURES AND ARCHITECTURAL CEILING DESIGN
 - 9.- HVAC SYSTEM SHALL BE PROVIDED AND EQUIPPED WITH AN AUTOMATIC SHUTDOWN SYSTEM AS REQUIRED BY ENERGY CODE
 10. THERMOSTATS AND REMOTE SENSORS SHALL BE INSTALLED AT APPROXIMATE LOCATION NOTED ON PLANS. EXACT LOCATIONS SHALL BE FIELD VERIFY TO AVOID INTERFERENCES
 - 11.- SHUTOFF DAMPER CONTROLS BOTH OUTDOOR AIR SUPPLY. SHALL BE EQUIPPED WITH MOTORIZED DAMPERS THAT WILL AUTOMATICALLY SHUT WHEN THE SYSTEMS OR SPACES SERVED ARE NOT IN USE. VENTILATION OUTDOOR AIR DAMPERS SHALL BE CAPABLE OF AUTOMATICALLY SHUTTING OFF DURING PREOCCUPANCY BUILDING WARM-UP, COOL DOWN AND SETBACK, EXCEPT WHEN VENTILATION REDUCES ENERGY COSTS (E.G. NIGHT PURGE) OR WHEN VENTILATION MUST BE SUPPLIED TO MEET CODE REQUIREMENTS



ISSUE LOG October, 2024

NO.	DESCRIPTION
1	
2	
3	
4	
5	

BUILDING 4
 26605 Cook Field Rd. Katy TX. 77494



Legal Description

LOT/TRACK	Reserve "B"
BLOCK	
Preinct 3	
SUBD.	Woodcreek Reserve
KEY-MAP	484 E
FLOOD ZONE	X

Plot Date: October 24, 2024
 Job No.
 Sheet Name:

MECHANICAL

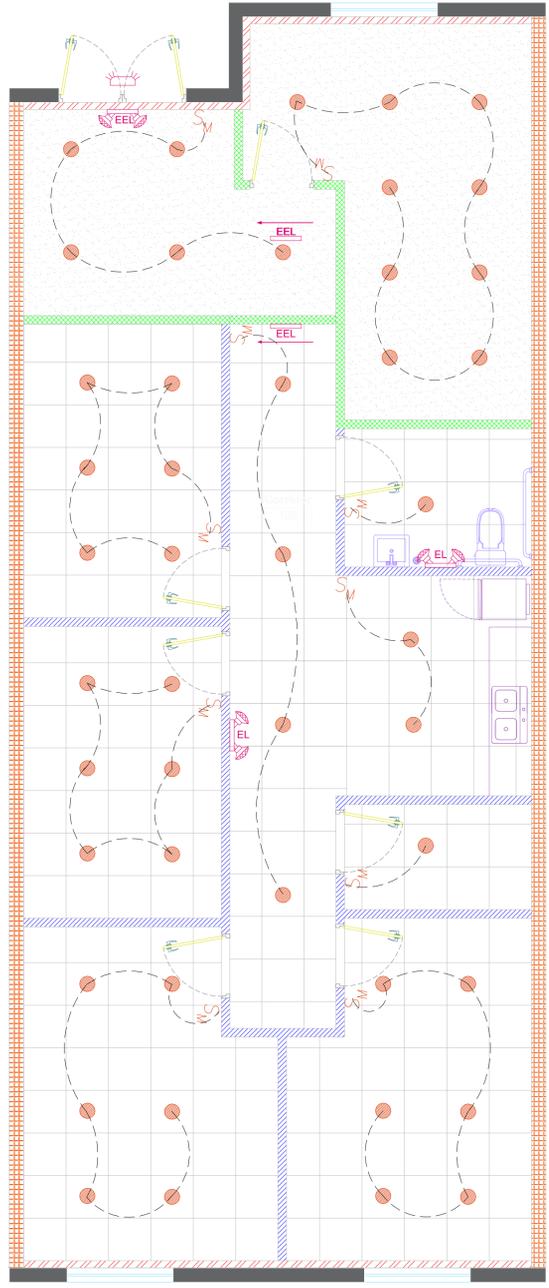
Scale:
 Sheet Number:
M100

GENERAL ELECTRICAL SPECS NOTES

- 1.- THE CONTRACTOR SHALL EXECUTE THE WORK IN STRICT ACCORDANCE WITH LOCAL, STATE AND NATIONAL CODES AND APPLICABLE REGULATIONS AND ORDINANCES.
- 2.- AS A MINIMUM, ALL EQUIPMENT SHALL ME APPLICABLE STANDARS, FOR THE TYPE OF EQUIPMENT AND INTENDED USE, OF THE FOLLOWING:
 - A.- AMERICAN NATIONAL STANDARDS (ANSI).
 - B.- ILLUMINATING ENGINEERS SOCIETY (IES).
 - C.- AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
 - D.- NATIONAL ELECTRICAL MANUFACTURE'S ASSOCIATION (NEMA).
 - E.- OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA).
 - F.- FEDERAL SPECIFICATION (FED. SPEC.).
 - G.- INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA).
 - H.- INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).

NOTE: THESE STANDARS AND SUBORDINATE TO CODES AND STANDARS SET BY U.L.
ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED, FOR INTENDED, CONSTRUCTION UNDERWRITER'S LABORATORIES INC. (UL), WHERE STANDARS HAVE BEEN ESTABLISHED BY U.L.

- 3.- WHERE THE WORD "PROVIDE" IS USED, IT SHALL MEAN TO FURNISH AND INSTALL AN ITEM OR SYSTEM, INCLUDING MATERIALS AND LABOR REQUIRED FOR A COMPLETE SYSTEM.
- 4.- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND PAY FOR ALL SUCH PERMITS REQUIRED FOR WORK UNDER THIS CONTRACT.
- 5.- THE CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL SYSTEM AS DESCRIBED ON THE DRAWINGS AND SPECIFICATIONS AND ALL OTHER MEANS ON COMMUNICATION BY OWNER'S REPRESENTATIVE. PROVIDE THE OWNER WITH ONE (1) YEAR WRITTEN WARRANTY ON THE COMPLETE INSTALLED SYSTEM. PROVIDE THE OWNER WITH ALL EXTENDED WARRANTIES ON ALL ITEMS THAT HAVE SUCH WARRANTIES.
- 6.- ELECTRICAL DESIGN FOR THIS INSTALLATION IS BASED ON FIELD INSPECTIONS OF THE SITE. ELECTRICAL CONTRACTOR IS TO FIELD VERIFY CONDITIONS PRIOR TO BIDDING. ALLOWANCES ARE TO BE INCLUDED FOR UN-FORCE IN CONDITIONS THAT MAY EFFECT THE CONTRACTOR'S SCOPE OF WORK. MINOR DEVIATIONS REQUIRED FOR ACCOMPLISHING THE INTENT OF THIS DESIGN, ARE TO BE INCLUDED IN THAT ALLOWANCE.
- 7.- ELECTRICAL DESIGN HAS BEEN BASED ON THE INSTALLATION OF 75°C CONDUCTORS CONNECTED TO TERMINAL LUGS AND EQUIPMENT, U.L. LISTED FOR A MINIMUM 75°C. CONDUCTORS TERMINATED ON EQUIPMENT WITH A LOWER RATING (60°C) OR NO RATING SHOWN, TO HAVE CONDUIT SIZE INCREASED TO CONFORM TO N.E.C. TABLE 310-16 AND U.L. NO. 489 REQUIREMENTS.
- 8.- ALL CONDUIT INSTALLED INDOORS TO BE ELECTRICAL METALLIC TUBING (EMT), MINIMUM 1/2" OR AS NOTED OTHERWISE. CONDUIT UNDERGROUND AND IN SLAB SHALL SCHEDULE 40 PVC AS MINIMUM, OR HOT DIPPED RIGID GALVANIZED STEEL. CONDUIT EXPOSED OUTDOORS SHALL BE HOT DIPPED RIGID GALVANIZED STEEL. CONTRACTOR MAY USED BX CABLE INDOORS FOR TWO (2) AND THREE (3) WIRE CIRCUIT AS APPROVED BY NEC AND CITY CODE.
- 9.- ALL BUILDING WIRING REQUIRED FOR THIS PROJECT SHALL BE BASED ON OFT DRAWN COPPER, CONDUCTIVITY OF NOT LESS THAN THAT OF 600 VOLT INSULATION, #12 MINIMUM. ALL WIRE SHALL STRANDED, THW TYPE.
- 10.- ALL WORK SHALL BE DONE IN A NEAT AND PROFESSIONAL MANNER BY COMPETENT AND EXPERIENCED WORKMEN IN THEIR TRADE.
- 11.- ELECTRICAL CONTRACTOR TO VERIFY ALL RECEPTACLE AND JUNCTION BOX MOUNTING HEIGHTS AND STUB-UPS WITH KITCHEN EQUIPMENT CONSULTANT. ELECTRICAL CONTRACTOR TO MAKE ALL FINAL CONNECTIONS FROM JUNCTION BOX OR DISCONNECT SWITCH WITH LIQUID-TITLE FLEXIBLE CONDUIT.
- 12.- DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER'S REP.
- 13.- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- 14.- CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THERE BY.
- 15.- ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- 16.- ELECTRICAL CONTRACTOR TO PROVIDE TEMPORARY ELECTRICAL POWER AS REQUIRED FOR JOB HIRING TRAILER AT SITE.
- 17.- CONTRACT SHALL PROVIDE A SERVICE FEEDER FROM THE TENANTS POWER LOAD CENTER TO THE MAIN DISCONNECT OR METER, WIRE WAY OR WEATHERED. VERIFY AT JOB SITE THE EXACT CONDITIONS AND REQUIREMENTS REQUIRED. SEE ONE LINE DIAGRAM.
- 18.- ALL PANEL BOARDS SHALL HAVE A TYPE WRITTEN SCHEDULE OF EQUIPMENT LOADED ON EACH CIRCUIT. ALL LIGHTS IN GENERAL WILL BE LOCALLY SWITCHED WITH WALL TOGGLE SWITCHED. IN WAREHOUSE AREAS LIGHTING WILL BE PANEL SWITCHED AS INDICATED.
- 19.- PROVIDE COPPER GROUND WIRE TO ALL RECEPTACLES, EQUIPMENT AND LIGHTING. PROVIDE A WIRE GROUND IN ALL FEEDER AND SUB-FEEDERS AS SHOWN, BUT NOT IN NO CASE SHALL BE SMALLER THAN CODE REQUIREMENT.
- 20.- AT THE CONCLUSION OF THE PROJECT, THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND UPDATED TYPEWRITTENDIRECTORY INSIDE EACH PANEL BOARD, PROPERLY IDENTIFYING EACH CIRCUIT USED AND THE SPECIFIC LOAD SERVED FOR EACH PANEL EFFECTED BY THIS PROJECT.
- 21.- COORDINATE ALL ELECTRICAL POWER AND TELEPHONE SERVICE REQUIREMENTS WITH LOCAL POWER AND TELEPHONE COMPANIES.
- 22.- TELEPHONE CABLE TO BE FURNISHED AND INSTALLED BY OTHERS. ALL CABLING TO BE PLENUM.
- 23.- PROVIDE EMPTY CONDUIT FOR TELEPHONE AND COMPUTER CABLE SYSTEM AS INDICATED ON DRAWING. PROVIDE A JUNCTION BOX IN WALL AND PULL WIRE TO AN ACCESSIBLE LOCATION ABOVE CEILING. PROVIDE CONDUIT WITH PULL WIRE TO AN ACCESSIBLE LOCATION ABOVE CEILING THAT ARE NOT ACCESSIBLE TO A LOCATION THAT IS ACCESSIBLE. PROVIDE CONDUIT FROM ALL FLOOR BOXES TO ALL POWER, TELEPHONE AND DATA LINES INDICATED.
- 24.- MOUNT ALL RECEPTACLES AND POWER OUTLETS 18" ABOVE FINISHED FLOOR UNLESS NOTED OR INDICATED OTHERWISE. COORDINATE THE MOUNTING OF ALL OUTLETS THAT ARE MOUNTED IN COUNTERS WITH OWNER'S REPRESENTATIVE.
- 25.- MOUNT TELEPHONE, DATA AND MODEM OUTLETS 18" ABOVE FLOOR UNLESS NOTED IT INDICATED OTHERWISE.
- 26.- ANY BORING OR SAW CUTTING OF WALL OR CONCRETE FLOORS OF THE BUILDING SHALL BR DONE AFTER HOURS AND PRIOR ARRANGEMENT WITH THE LANDLORD.
- 27.- ANY CUTTING OFF FELECTRICAL SERVICE TO THE BUILDING SHALL BE DONE AFTER HOURS AND PRIOR ARRANGEMENT WITH THE LANDLORD.
- 28.- ALL ELL ELECTRICAL HOME RUNS SHALL BE RUN HROUGH THE BUILDING JOIST WE AND/OR AS CLOSE TO THE STRUCTURE AS POSSIBLE.



8 SUITE 402 - LIGHTNING PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL FIXTURE SCHEDULE LEGEND

	24" X 24" RECESSED LED LIGHT FIXTURES METALUX SERIES, 120V, 44W OR EQUAL
	LD8B10D020, DOWNLIGHT 8", 2000 LUMENS, 120V, 21.2 W
	EXTERIOR WALL LIGHTS, W/120V, 100W LED BULBS
	120V LIGHT SWITCH
	120V LIGHT SWITCH WITH MOTION DETECTOR ON SWITCH AND MANUAL CUTOFF
	120V 3-WAY LIGHT SWITCH MOUNT 48" TO TOP OF SWITCH
	COOPER LAMPS WPSLED WALL-PAK 40W, 4700 LM, MODEL WPSLED10, 120V, 5000K, OR SIMILAR FULL CUTOFF.
	EMERGENCY LIGHTING LED 'AP2SLED' 2-0.9W WITH BATTERY PACK, (MINIMUM OF 90 MINUTES DURATION), OR SIMILAR.
	EXHAUST FAN
	EMERGENCY EXIT SIGN WITH RED LETTERS AND NICKEL CADMIUM BATTERY MODEL: APXH7R2, 1.31W, 120V, OR SIMILAR.
	EMERGENCY EXIT SIGN WITH RED LETTERS AND NICKEL CADMIUM BATTERY MODEL: APXH7R2, 1.31W, 120V, OR SIMILAR.

TIME SWITCH CONTROLS

EACH AREA OF THE BUILDING THAT IS NOT PROVIDED WITH OCCUPANT SENSOR CONTROLS COMPLYING WITH SECTION C405.2L.1 SHALL BE PROVIDED WITH TIME SWITCH CONTROLS COMPLYING WITH SECTION C.405.2.2.1.

EXCEPTION: WHERE A MANUAL CONTROL PROVIDES LIGHT REDUCTION IN ACCORDANCE WITH SECTION C405.2.2.2, AUTOMATIC CONTROLS SHALL NOT BE REQUIRED FOR THE FOLLOWING:

1. SLEEPING UNITS
2. SPACES WHERE PATIENT CARE IS DIRECTLY PROVIDED
3. SPACES WHERE AN AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY OR SECURITY
4. LIGHTING INTENDED FOR CONTINUOUS OPERATION
5. SHOP AND LABORATORY CLASSROOMS

SECTION C.405.2.2 - 2021 IECC

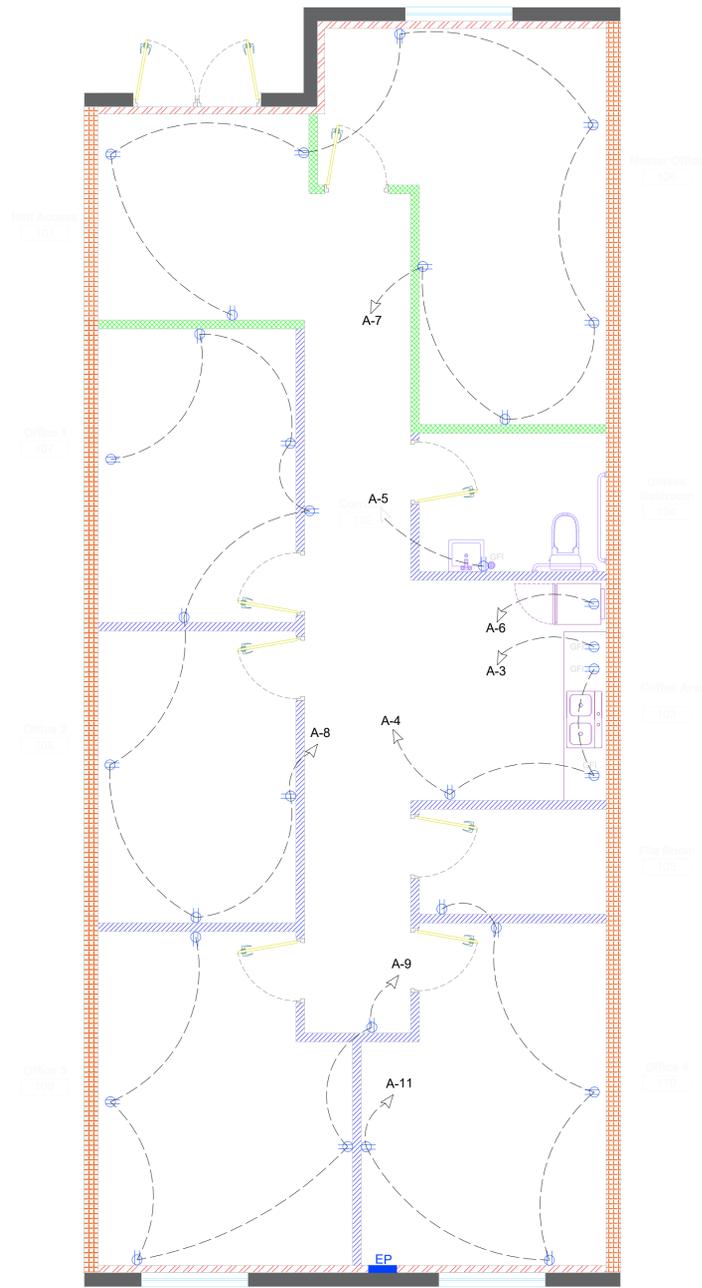
EXTERIOR LIGHTING CONTROL
LIGHTING NOT DESIGNATED FOR DUCK-TO-DAWN OPERATION SHALL BE CONTROLLED BY EITHER A COMBINATION OF A PHOTO SENSOR AND A TIME SWITCH, OR ASTRONOMICAL TIME SWITCH. LIGHTING DESIGNATED FOR DUSK-TO-DAWN OPERATION SHALL BE CONTROLLED BY AN ASTRONOMICAL TIME SWITCH OR PHOTO SENSOR. ALL TIME SWITCHES SHALL BE CAPABLE OF RETAINING PROGRAMMING AND THE TIME SETTING DURING LOSS OF POWER FOR A PERIOD OF AT LEAST 10 HOURS. 505.2.4 CODE CYCLE 2021

ISSUE LOG	
October, 2024	
Designed by	
Drawn by	Margrita Triana
Checked by	
NO.	DESCRIPTION
1	
2	
3	
4	
5	

BUILDING 4
 26605 Cook Field Rd. Katy TX. 77494

Project Name

Legal Description	
LOT/TRACK	Reserve "B"
BLOCK	
Precint 3	
SUBD.	Woodcreek Reserve
KEY-MAP	484 E
FLOOD ZONE	X
Seal:	
Plot Date:	October 24, 2024
Job No:	
Sheet Name:	ELECTRICAL LIGHTING PLAN
Scale:	
Sheet Number:	E100



8 SUITE 402 - ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"

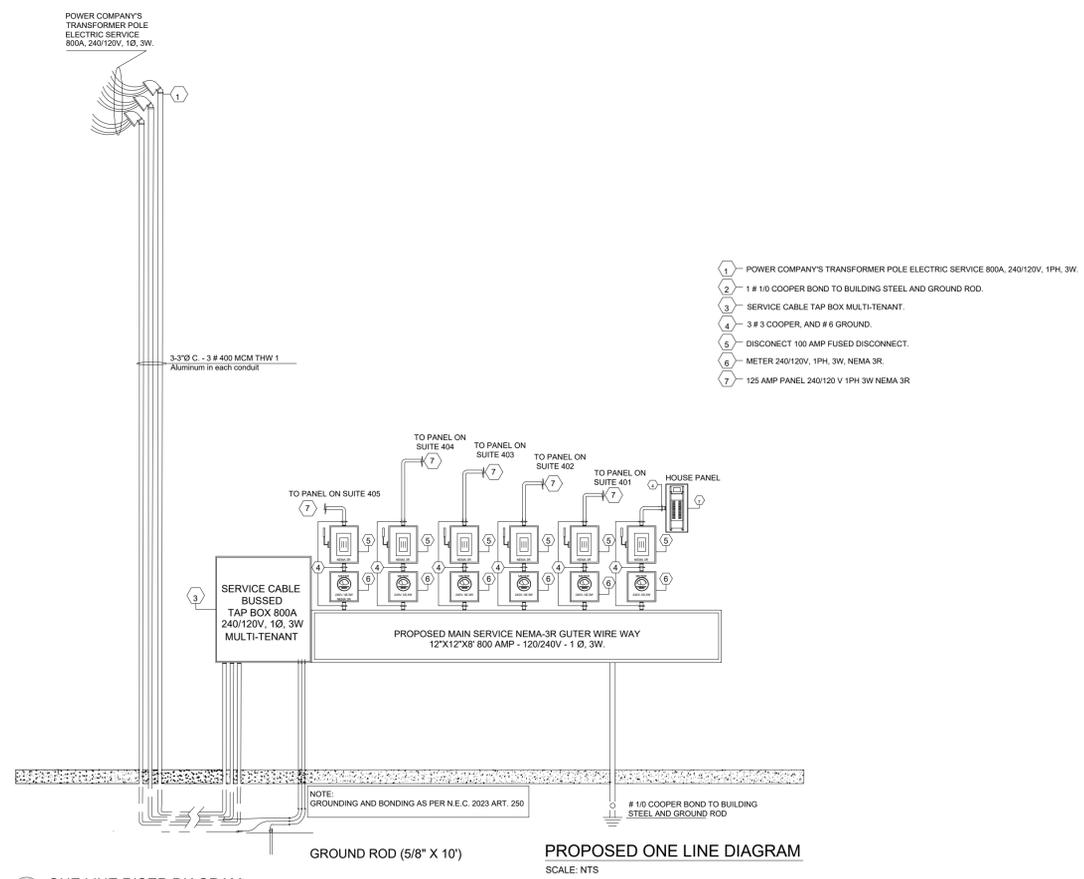
COOK FIELD OFFICE COMPLEX					
BUILDING 4					
26605 COOK FIELD RD, KATY TX 77494					
AREA BUILDING	7791.15	SERVICE 240/120V, 1 Ø, 3 WIRES, 60 Hz.			
CONDUCTOR SIZE 3 SET (3 # 400 THW MCM A,B,N) (Aluminum), 3" C), # 1/0 Cu					
RATED POWER (VA)	182000.00	RATED POWER (KVA)	182.00		
VOLTAGE (V)	240.00	PROPOSED TRS (KVA)	225		
LOAD DESCRIPTION		QTY.	VA	SO.FT.	DEMAND FACTOR
1- LIGHTING DEMAND:					
DESIGN LOAD AS PER NEC TABLE # 220-12 GENERAL LIGHTING					
BY OCCUPANCY					
BUILDING AREA	1.00	7,791.15	3.00	23373.45	
2- RECEPTACLES ART. 220 14K(2) (1 VOLT-AMPERE/FT2)					
BUILDING AREA	1.00	7,791.15	1.00	7791.15	
3- AC-A & HEAT					
CONDENSER 5 TON @ 8 KW 208V 1PH					
HEATER @ 9.6 KW 208 1PH	6.00	15600.00			93600.00
4- WATER HEATER					
	7.00	2000.00			14000.00
5- 25 % OF LARGEST MOTOR					
	1.00	15600.00	0.25		3900.00
8- SIGN					
	1.00	1200.00			1200.00
TOTAL CONNECTED LOAD					
					141864.60
AMPS = TOTAL CONNECTED LOAD / VOLTS					
					591.10
9- SERVICE					
					800.00
10- SPARE					
					208.90

- A ELECTRICAL POWER LEGEND**
- ELECTRICAL PANEL
 - RECEPTACLE OUTLETS, 120V.
 - ⊕ GFI 120 VOLT GROUND FAULT INTERRUPTER
 - ⊖ EXHAUST FANS, DUCTED THRU ROOF
 - ⊙ JUNCTION BOX
 - ▽ JUNCTION BOX VOICE/DATA OUTLET-MOUNTED 15" AFF TO BOTTOM OF PLATE

B LOAD ANALYSIS

PANEL 402															
PANEL NAME	FED FROM		METER / DISCONNECT		MANUFACTURER (SQUARE D - D EQUAL)				MOUNTING		FLUSH				
PANEL 402	240/120V		125A		MAIN LUG ONLY (MLO)				(2) # 3 THW # (CU) + (1) # 6 (CU) (GRD), (1) 1" CONDUIT						
PHASE	1 Ø	WIRE SIZE	Ø	VOLTS	WATTS	AMPS	BREAKER	CIR. IN.	WIRE SIZE	Ø	WIRE SIZE	Ø	UNIT DESCRIPTION		
LIGHTS SUITE	12	1	120	280	2.33	1P-20A-10KA	01	A	02	1P-20A-10KA	0.00	00	120	12	EMERGENCY LIGHTS
MICROWAVE	12	1	120	1200	0.83	1P-20A-10KA	03	A	04	1P-20A-10KA	0.00	00	120	12	KITCHEN
RESTROOMS	12	1	120	0.00	0.00	1P-20A-10KA	05	A	06	1P-20A-10KA	0.00	00	120	12	FREEZE
HALL ACC / MASTER OF	12	1	120	0.00	0.00	1P-20A-10KA	07	A	08	1P-20A-10KA	0.00	00	120	12	OFFICE 1 / OFFICE 2
OFFICE 3 / CORRIDOR	12	1	120	0.00	0.00	1P-20A-10KA	09	A	10	2P-40A-10KA	60.00	1	240	6	RTU
OFFICE 4 / STORAGE	12	1	120	900	0.00	1P-20A-10KA	11	A	12	2P-40A-10KA	60.00	1	240	6	RTU
SUMS															
CONTINUOUS LOAD @ 100% VOLTAGE SERVICE 120															
NON CONTINUOUS LOAD @ 100% TOTAL															
CONTINUOUS LOAD @ 125% KW															
NON CONTINUOUS LOAD @ 100% TOTAL															
TOTAL CONNECTED LOAD: KW															
TOTAL CONNECTED LOAD: AMPS															
LID = LOCKED ON															

C PANEL



D ONE LINE RISER DIAGRAM
SCALE: NTS

ISSUE LOG
October, 2024

Designed by
Margarita Triana

Checked by

BUILDING 4
26605 Cook Field Rd. Katy TX. 77494

GPC Real Estate & Construction

Legal Description

LOT/TRACK Reserve "B"

BLOCK Precint 3

SUBD. Woodcreek Reserve

KEY-MAP 484 E

FLOOD ZONE X

Plot Date: October 24, 2024

Job No.

Sheet Name:

ELECTRICAL POWER PLAN

Scale:
Sheet Number:
E101