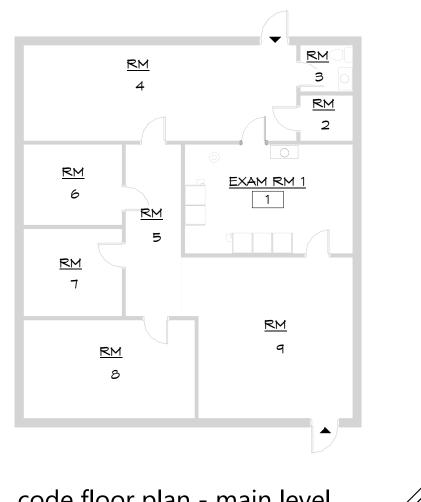
CHAD SHARKY'S CLINIC RENOVATION CHAD SHARKY 612 SW 3RD STREET UNIT D LEE'S SUMMIT, MISSOURI 64063 2020-08



<u>code floor plan - main level</u>

PLAN NORTH

PROJECT INFORMATION

GENERAL INFORMATION: LOCATION: CHAD SHARKY'S MEDICAL OFFICE 612 SW 3RD STREET LEE'S SUMMIT, MISSOURI 64063

BUILDING D

RESPONDING FIRE LEE'S SUMMIT, MISSOURI FIRE DEPARTMENT DEPARTMENT: AUTHORITIES HAVING JURISDICTION:

PROJECT DESCRIPTION:

RENOVATION OF FIRST FLOOR FOR OUT-PATIENT MEDICAL OFFICE; NEW FINISH WORK ON MAIN LEVEL; NEW INTERIOR DOOR, ADDITION OF LAVATORY VENITY

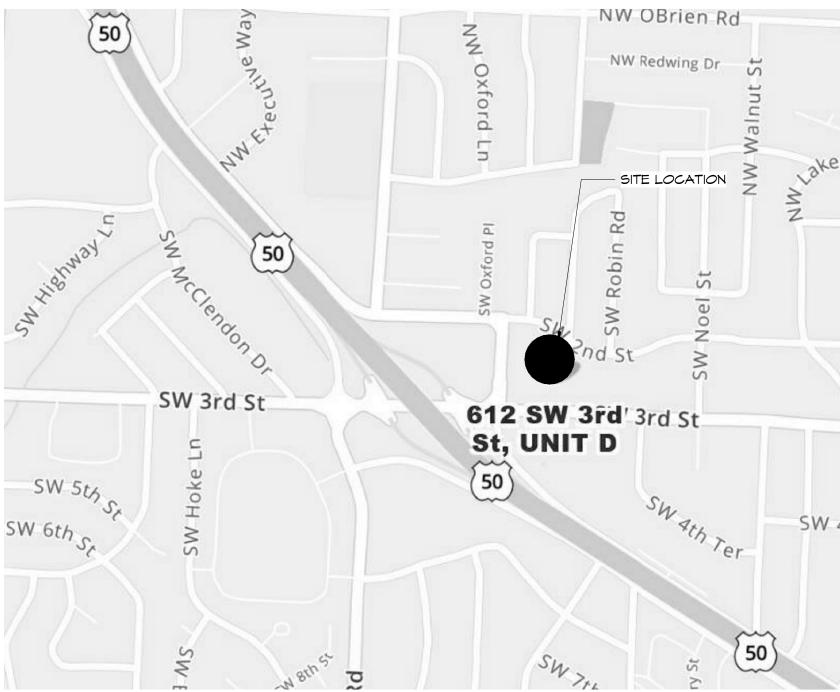
APPLICABLE CODES

International Building Code (2012)

OCCUPANCY (Section 303) & STRUCTURAL CLASSIFICATION Main Level: Business - Medical Office

Construction Type: IBC - Type II-A NFPA - Type II (111) Seismic Category: C

BUILDING HEIGHT AND AREA: Total Office Area: 228 sq. ft. LOCATION MAP



VICINITY MAP



	SHEET INDEX	
	INFORMATION	
	G101 TITLE SHEET ARCHITECTURAL	
	A101 ARCHITECTURAL FLOOR PLAN - MAIN LEVEL	archite
	PLUMBING	www.tom-arch. 816.284.6518
	P101 PLUMBING PLAN	St. OF MISC
	ELECTRICAL	TRAVIS J WILLSON
	E001 ELECTRICAL SPECS & SYMBOLS E101 ELECTRICAL POWER PLAN	NUMBER A-2008209202
	GENERAL INFORMATION: LOCATION: CHAD SHARKY'S OFFICE BUILDING D 612 SW 3RD STREET LEE'S SUMMIT, MISSOURI 64063	
N/X Main St NE	PROJECT DESCRIPTION RENOVATION OF FIRST FLOOR FOR OUT-PATIENT MEDICAL OFFICE; NEW FINISH WORK ON MAIN LEVEL; NEW INTERIOR DOOR, ADDITION OF LAVATORY VENITY.	
IN NE	APPLICABLE CODES	
40	International Building Code (2012)	
ia l	OCCUPANCY (Section 304.1) & STRUCTURAL CLASSIFICATION Main Level: Business Construction Type: Type II-B (Non-Sprinklered) Occupancy Separation: N/A	
SZ Le	BUILDING HEIGHT AND AREA: Actual building area and height unchanged.	VATI
SW Market St	Total Area: 228 sq. ft.	
et St	REGISTERED DESIGN PROFESSIONALS:	REN
	Tompkins Architects 1520 Clay St. Ste. A8	
	North Kansas City, MO 64116	
	CODE LEGEND	
NTH O	1 HR RATED WALL CONSTRUCTION W/ 1 HR RATED OPENING ASSEMBLIES	
Pine		
	2 HR RATED WALL CONSTRUCTION W/ 2 HR RATED OPENING ASSEMBLIES	W
	FE • FIRE EXTINGUISHER	ARF
	EXTERIOR EXIT	SH
	ROOM NAME ROOM NUMBER AREA IN SQUARE FEET	HAD AD SHARKY
īra on	ACCUMULATE EXIT WIDTH: <u>198/39.6"</u> <u>68"/340</u> <u>OCCUPANTS / EXIT WIDTH REQD</u>	CH
	EXIT WIDTH PROVIDED / CAPACITY	REVISIONS No. Description
		1 Revision 1
W 3rd St		
they - State		
- State 2 Agent PLAN NORTH		sheet issue date: 2020.05.08
		tompkins project no.: 2020-08
		sheet contents:
		TITLE SHEET

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JRI

SUMMIT

LEE'S

UNIT

STREET

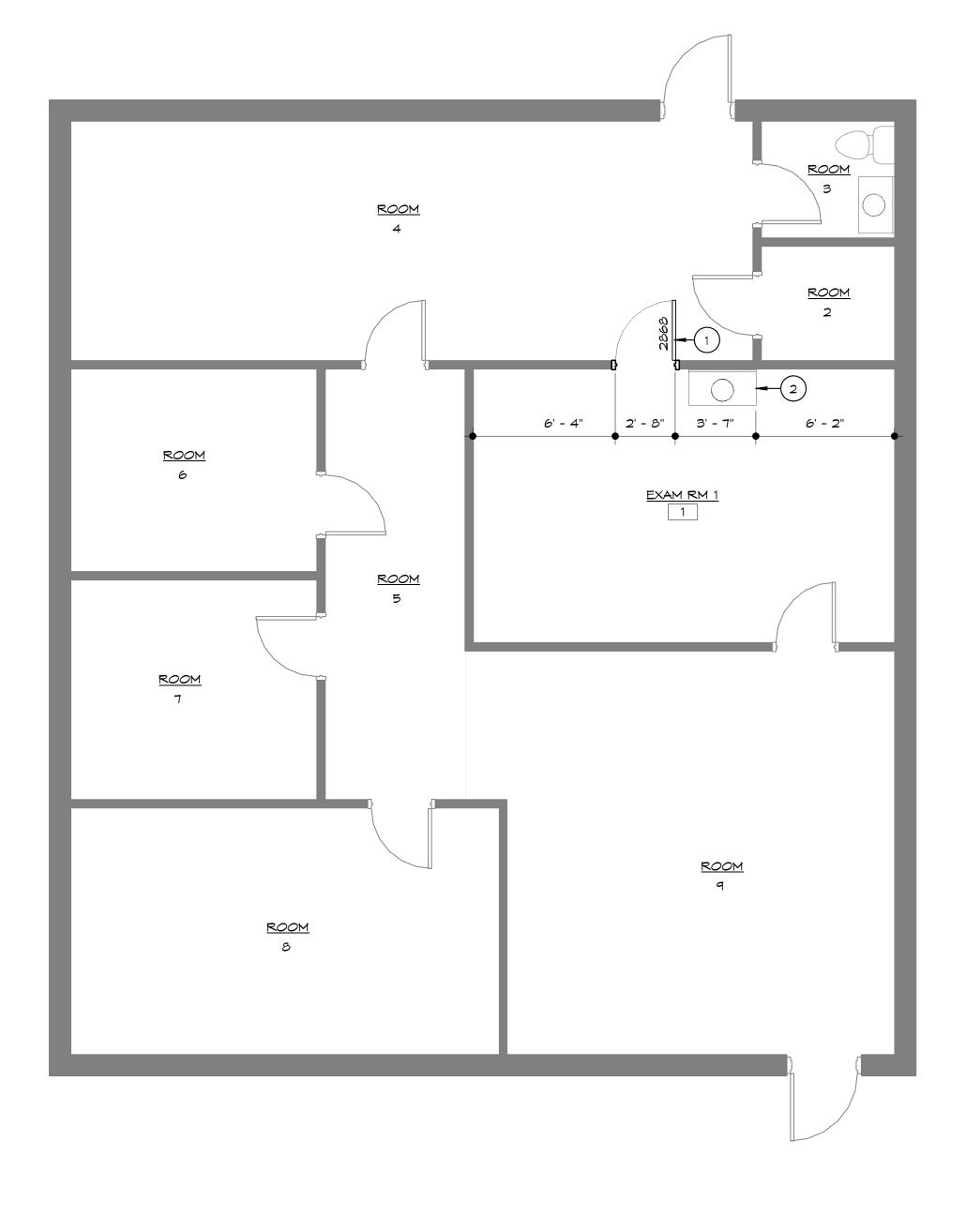
3RD

SV

612

sheet no.:

G101



 $\frac{\text{architectural floor plan - main level}}{\frac{1}{4'' = 1' - 0''}}$

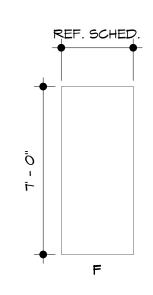
		DC	OOR AND FRAME SCHEDULE			
	DOOR OPENING SIZE N H					
PLAN						
IARK			NOTES			
	2' - 8"	6' - 8"				

Grand total: 1

4

DOOR & FRAME SCHEDULE NOTES

- 1. FIELD VERIFY CONDITIONS AT ALL EXIST. OPENINGS & MODIFY AS REQ'D TO FIT.
- 2. ALL ALUM. FRAMES ARE 4 1/2" DEEP AND 2" WIDE.
- 3. ALL STEEL WELDED FRAMES ARE 3/4" WIDER THAN THE NOMINAL WALL WIDTH U.N.O 4. ALL DOORS ARE 1 3/4" THICK UNLESS NOTED OTHERWISE.
- 5. LETTERS IN PARENTHESES () A, B, C, D, E, & F AT TOP OF VARIOUS COLUMNS
- IN THE SCHEDULE ARE FOR COLUMN IDENTIFICATION & ARE CLARIFIED AS FOLLOWS: (A) TO IDENTIFY DOOR TYPES REFER TO DOOR TYPES THIS SHEET.
 - F = FLUSH
 - HG = HALF GLASS NG = NARROW LITE GLASS
 - FG = FULL GLASS
- GLASS TYPES ARE SHOWN ON FRAME ELEVATIONS. (B) FOR DOOR MATERIAL AND FRAME MATERIAL:
 - S = STEEL
 - A = ALUMINUM M = MOOD
- HOL. MTL. = HOLLOW METAL
- (C) REFER TO STEEL FRAME ELEVATIONS & ALUM. FRAME ELEVATIONS ON THIS SHEET
- (D) REFER TO HEAD, JAMB AND SILL DETAILS ON SHEET A502
- (E) SCHEDULE NOTES: 1. XXXXX
- 2. XXXXX
- З. XXXXX 6. REF SPECIFICATIONS FOR ALL DOOR HARDWARE SETS



door types NOT TO SCALE



WN ON STRUCTURAL, AL DRAWINGS, REF.	<section-header></section-header>		
	CHAD SHARKY'S CLINIC RENOVATION	CHAD SHARKY	612 SW 3RD STREET UNIT D LEE'S SUMMIT, MISSOURI 64063
	tompkins pro	ate: 0.05.08 ject no. 0-08 ts: TURAL AN - M	IAIN

architectural plan notes (1)

GENERAL: COORDINATE WITH WORK SHOW MECHANICAL, PLUMBING, AND ELECTRICAL FE SHEET FOR EQUIP. COORDINATION

NUMBER NOTE TEXT

1 NEW INTERIOR DOOR 2 NEW SINK; REF. PLUMBING

. GENERAL PROVISIONS

- A. PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF THE PLUMBING AND MECHANICAL SYSTEMS OUTLINED. B. OBTAIN ALL PERMITS, FEES, LICENSES, INSPECTIONS, AND CERTIFICATIONS OF COMPLIANCE OR
- APPROVAL AS REQUIRED BY AUTHORITIES.
- C. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS. CODES AND REGULATIONS OF THE GOVERNMENTAL BODIES HAVING JURISDICTION OVER THE SITE.
- D. ALL TESTING REQUIRED BY AUTHORITIES SHALL BE CONSIDERED PART OF THIS WORK. E. DURING CONSTRUCTION, ALL FIXTURES, EQUIPMENT, PIPE, DUCT, ETC. SHALL BE COVERED, PLUGGED, OR CAPPED AS REQUIRED TO KEEP CLEAN AND UNDAMAGED. ALL DAMAGED ITEMS SHALL BE
- RESTORED TO ORIGINAL CONDITION OR REPLACED. ALL PROTECTIVE COVERING SHALL BE REMOVED BEFORE FINAL ACCEPTANCE. F. PROVIDE ALL NECESSARY CUTTING AND PATCHING OF WALLS, FLOORS, CEILINGS, AND ROOFS AS NECESSARY. PATCH AROUND ALL OPENINGS SHALL MATCH ADJACENT AREA. COORDINATE ALL ROOFING
- WORK WITH OWNER OR RESPONSIBLE PARTY, SO THAT THE EXISTING ROOFING WARRANTY WILL BE MAINTAINED. G. CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS AGAINST DEFECT FOR A PERIOD OF ONE
- YEAR FROM FINAL ACCEPTANCE. H. INSPECTION OF THE SITE: THIS CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE MEP
- DRAWINGS, SPECIFICATIONS, DETAIL, AND THE SITE. THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY SPECIAL OR UNUSUAL PROBLEMS, CONFLICTS, OR OBSTRUCTIONS THAT AFFECT HIS BID. I. FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY. THE MECHANICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS AND FITTINGS REQUIRED FOR INSTALLATION. DO NOT SCALE DRAWINGS. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DATA AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE MECHANICAL WORK INTERFACES WITH OTHER TRADES.
- J. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS OR WITH CODE REQUIREMENTS, THE NOTE OR CODE WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR HIGHER STANDARD SHALL PREVAIL.
- K. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE FOR EXPOSED WORK. COORDINATE WITH WORK OF OTHER SECTIONS. COMPLY WITH APPLICABLE REGULATIONS AND CODE REQUIREMENTS. PROVIDE PROPER CLEARANCES FOR SERVICING.
- .. INCLUDE ALL BASIC MATERIALS AND CONSTRUCTION METHODS INCLUDING PIPES, PIPE FITTINGS, AND SPECIALTIES AND SUPPORTING DEVICES, VALVES, PIPE AND VALVE IDENTIFICATION, PUMPS, VIBRATION ISOLATION, ETC.
- M. FURNISH ADEQUATE ACCESS PANELS AND DOORS TO ALLOW FOR FUTURE PIPING ALTERATIONS, REPLACEMENT, AND MAINTENANCE OF PIPING. PROPERLY IDENTIFY ALL ACCESS PANELS AND DOORS.
- 2. MANUFACTURERS: A. MANUFACTURERS, MODEL NUMBERS, ETC. INDICATED OR SCHEDULED ON THE DRAWINGS SHALL BE INTERPRETED AS HAVING ESTABLISHED A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION. ARTICLES, FIXTURES, ETC. OF EQUAL QUALITY BY MANUFACTURERS SHALL BE ACCEPTABLE, SUBJECT TO STRUCTURAL AND ELECTRICAL CONSTRAINTS OF THE PROJECT DESIGN.
- <u>3. PLUMBING</u>
- A. PROVIDE AN APPROVED WATER HAMMER ARRESTOR FOR EACH PLUMBING FIXTURE SUPPLY AS REQUIRED BY FIXTURE MANUFACTURER.
- B. ALL EXPOSED PIPE IN FINISHED AREAS SHALL BE CHROME PLATED BRASS PIPE, NO FERROUS PIPE. C. PROVIDE CLEANOUTS AT EACH CHANGE IN DIRECTION AND AT 100 FOOT INTERVALS IN STRAIGHT RUNS. D. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES AND TRAPS.
- E. CLEANOUTS:
- 1. VINYL TILE FLOOR (FCO): JR SMITH #4140, OR EQUAL. 2. WALL (WCO): JR SMITH #4472, OR EQUAL, 24" ABOVE THE FLOOR.
- F. ALL SEWER PIPING LOCATED INSIDE THE BUILDING SHALL BE INSTALLED WITH THE FOLLOWING SLOPES. 1. INSTALL 2-1/2" AND SMALLER PIPE AT 1/4" PER FOOT FALL. G. PROVIDE DIELECTRIC UNIONS WITH APPROPRIATE END CONNECTION TO MATCH THE PIPE SYSTEM IN
- WHICH INSTALLED (SCREWED, SOLDERED, OR FLANGED). PROVIDE DIELECTRIC UNIONS ON ALL PIPING CONNECTIONS TO HOT WATER HEATERS AND EXPANSION JOINTS.

<u>4. PIPING</u>

- A. DOMESTIC COLD, HOT, AND HOT WATER RECIRCULATING (ABOVEGROUND). TYPE L HARD DRAWN COPPER TUBING, ASTM B-88 WITH WROUGHT BRONZE SOLDERED FITTINGS.
- GATE VALVE: CRANE #428 OR EQUAL.
- BALL VALVE: CRANE #932 OR EQUAL. B. SANITARY SEWER AND VENTS (INTERIOR TO BUILDING).
- POLYVINYL CHLORIDE (PVC) DWV PIPE, SCHEDULE 40, SOLVENT JOINT
- SEWER LINES SHALL BE LOCATED IN GENERAL AS SHOWN ON THE DRAWINGS. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN SUCH A MANNER AS TO MAINTAIN
- PROPER CLEARANCES AND SUFFICIENT SLOPE TO ENSURE DRAINAGE. C. ALL PIPE HANGERS AND SUPPORTS SHALL BE STANDARD PRODUCTS OF GRINNELL, FEE AND MASON, OR ANVIL. HANGER SPACING SHALL BE IN ACCORDANCE WITH MSS-SP-69.
- D. SLEEVES
- 1. PROVIDE, SET, AND PROPERLY LOCATE PIPE SLEEVES AS REQUIRED FOR THIS WORK. ALL SLEEVES SHALL BE OF SUFFICIENT SIZE TO PERMIT PIPE MOVEMENT DUE TO EXPANSION AND CONTRACTION AND TO ACCOMMODATE PIPE INSULATION.
- INTERIOR PARTITIONS: 16 GAUGE GALVANIZED STEEL, PACK BETWEEN PIPE AND SLEEVE WITH FIRE SAFING AND CAULK AT EACH END WITH FIRE RESISTANT SEALANT. E. PROVIDE CHROME PLATED ESCUTCHEONS ON ALL PIPE ENTERING FINISHED AREAS.

5. INSULATION:

- A. ALL INSULATIONS AND ACCESSORIES SHALL HAVE A FIRE HAZARD CLASSIFICATION WITH A FLAME SPREAD RATING OF NOT OVER 25, A FUEL CONTRIBUTION RATING OF NOT OVER 50, AND A SMOKE DEVELOPMENT RATING OF NOT OVER 50, IN ACCORDANCE WITH NFPA.
- B. PIPE INSULATION (ABOVE GRADE): 1. THE PIPE INSULATION USED SHALL HAVE A THERMAL CONDUCTIVITY OF 0.27 BTU PER IN/HR*SQ-FT*°F OR LESS.
- FIBERGLASS INSULATION WITH FACTORY APPLIED VAPOR BARRIER, ASJ JACKET, FACTORY APPLIED PRESSURE SEALING LONGITUDE LAP JOINT, NO STAPLES, ZESTON PREMOLDED PVC FITTING COVERS. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. FLEXIBLE CLOSED CELL ELASTOMERIC THERMAL INSULATION, UNSLIT OR PRESLIT WITH PRESSURE 3 SENSITIVE ADHESIVE SYSTEM FOR CLOSURE AND VAPOR SEALING, EQUAL TO ARMSTRONG AP ARMAFLEX OR ARMAFLEX 2000.

INSULATION SCHEDULE: a. DOMESTIC COLD WATER:

1/2" b. DOMESTIC HOT WATER:

6. TESTING, BALANCING AND CLEANING:

- A. ALL PIPING SHALL BE TESTED FOR LEAKS BEFORE BEING CONCEALED IN WALL CONSTRUCTION OR COVERED WITH INSULATION. B. SEWER AND VENT PIPING SHALL BE HYDROSTATICALLY TESTED WITH NO LESS THAN 10 FEET OF HEAD
- FOR A PERIOD OF NOT LESS THAN 15 MINUTES, PER THE LOCAL PLUMBING CODE, WITH NO LEAKS. C. DOMESTIC WATER PIPING SHALL BE HYDROSTATICALLY TESTED AT A PRESSURE OF NOT LESS THAN 1-1/2 TIMES THE OPERATING PRESSURE, BUT NOT LESS THAN 60 PSI, FOR A PERIOD OF NOT LESS
- THAN 2 HOURS, WITH NO LEAKS. D. BEFORE DOMESTIC WATER PIPING IS PLACED IN SERVICE, ALL DOMESTIC WATER DISTRIBUTION SYSTEMS, INCLUDING THOSE FOR COLD WATER AND HOT WATER SYSTEMS, SHALL BE FLUSHED, STERILIZED AND CHLORINATED IN ACCORDANCE WITH THE HEALTH DEPARTMENT REGULATIONS. THE SYSTEMS SHALL BE THOROUGHLY FLUSHED OF ALL DIRT AND FOREIGN MATTER, THEN FILLED WITH WATER TREATED WITH 50 PPM OF CHLORINE. DURING THE FILLING PROCESS, VALVES AND FAUCETS SHALL BE OPENED SEVERAL TIMES TO ASSURE TREATMENT OF THE ENTIRE SYSTEM. THE TREATED WATER SHALL BE LEFT IN THE SYSTEM FOR 24 HOURS AFTER WHICH TIME THE SYSTEM SHALL BE FLUSHED; IF THE RESIDUAL CHLORINE IS NOT LESS THAN 10 PPM, THE FLUSHING SHALL BE REPEATED. AFTER STERILIZATION SAMPLES OF WATER FROM THE SYSTEM SHALL BE APPROVED BY THE BOARD OF HEALTH.
- E. THE INSPECTION AUTHORITY HAVING JURISDICTION SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO PERFORMANCE OF ALL TESTS SO THAT THEY TESTS MAY BE WITNESSED IF DEEMED NECESSARY.

. REMODELING WORK:

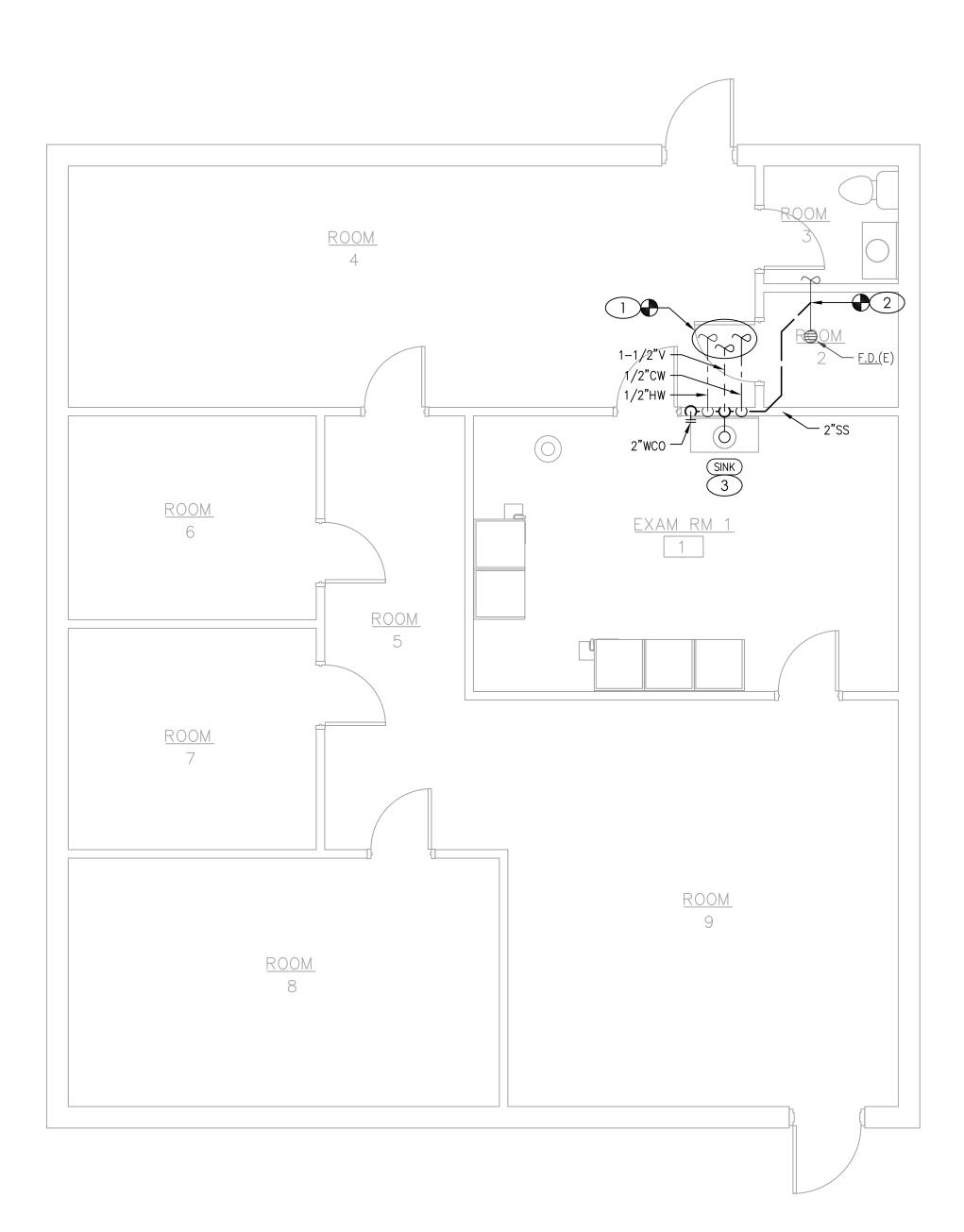
- A. THIS PROJECT INVOLVES CONSTRUCTION INSIDE AN EXISTING STRUCTURE. CONTRACTORS, BY SUBMITTING A BID ARE DEEMED TO BE COMPLETELY FAMILIAR WITH THE EXISTING CONDITIONS OF THE BUILDING AS IT INFLUENCES THE WORK DESCRIBED. NO CLAIMS FOR EXTRA COMPENSATION WILL BE CONSIDERED FOR EXISTING CONDITIONS VISIBLE OR REASONABLY INFERABLE FROM A CAREFUL EXAMINATION OF THE EXISTING BUILDING CONDITIONS.
- B. CONTRACTOR SHALL INSPECT THE EXISTING FIELD CONDITIONS AT THE SITE AND THE CONTRACT DOCUMENTS PRIOR TO THE START OF ANY WORK TO DETERMINE WHAT EFFECT THE EXISTING CONDITIONS WILL HAVE ON THE WORK POTENTIAL. CONTRACTOR SHALL REPORT DISCREPANCIES TO THE ARCHITECT AND INCLUDE IN THE BID ALL COSTS REQUIRED TO MAKE THE WORK MEET EXISTING CONDITIONS.
- C. PROTECT ADJACENT MATERIALS INDICATED TO REMAIN. INSTALL AND MAINTAIN DUST AND NOISE BARRIERS TO KEEP DIRT, DUST, AND NOISE FROM BEING TRANSMITTED TO ADJACENT AREAS. REMOVE PROTECTION AND BARRIERS AFTER REMODELING OPERATIONS ARE COMPLETE.
- D. PIPE SHALL BE CONCEALED WITH NEW OR EXISTING CONSTRUCTION WHENEVER POSSIBLE, UNLESS INDICATED OTHERWISE. PATCH TO MATCH EXISTING.

FIXTURE BRANCH CONNECTION SCHEDULE					
FURE	COLD WATER	HOT WATER	WASTE	VENT	
NK	1/2"	1/2"	1 1/2"	1 1/2"	
	PIPE SIZES SHOW	N ARE MINIMUN	1. MINIMUM SANIT	ARY SIZE	
	UNDERGROUNDI	S 2".			
PL	UMBING FIX	TURE SCHEI	DULE		

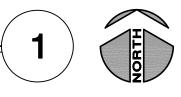
FIX NOTE:

SINK AND ESCUTCHEONS.

|PEDESTAL SINK: BARCLAY HAMPSHIRE 575, 3-HOLE, 4" CENTERSET, 17"X11"X5-5/8 ELIPTICAL BOWL, VITREOUS CHINA, WITH FAUCET (DELTA B2596LF-SS). PROVIDE FLEXIBLE SS RISERS WITH CHROME PLATED STOP VALVES, P-TRAP WITH CLEANOU







GENERAL NOTES

- A. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT. ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- B. PROVIDE THE ARCHITECT AND OWNER WITH A COPY OF THE INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS.
- C. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES.

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816.284.6518

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- D. EXACT LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE VERIFIED PRIOR TO ANY INSTALLATION OR CONNECTIONS THEREOF.
- E. COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT INSTALL PIPING OVER ELECTRICAL PANELS.
- F. PROVIDE SHIELDED ADAPTOR COUPLINGS FOR CONNECTIONS OF PVC DWV TO CAST IRON SANITARY, WASTE AND VENT PIPE.
- G. REFER TO PLUMBING FIXTURE SCHEDULE FOR MINIMUM BRANCH WASTE AND VENT PIPE SIZING.
- H. SAWCUT EXISTING FLOOR AS REQUIRED FOR INSTALLATION OF NEW UNDERFLOOR PIPING. PATCH FLOOR TO MATCH EXISTING.

(#) KEYED PLAN NOTES

- 1. CONNECT NEW 1/2"HW AND 1/2"CW TO PIPING AT WATER HEATER IN "ROOM 2". CONNECT NEW 1-1/2"V TO EXISTING UTILITIES SERVING RESTROOM. CONNECT EACH PIPE TO EXISTING PIPING OF MATCHING SERVICE AND EQUAL OR GREATER SIZE. FIELD VERIFY LOCATION.
- 2. CONNECT NEW SANITARY SEWER LINE TO EXISTING SANITARY SEWER SERVING FLOOR DRAIN. VERIFY EXACT LOCATION. FLOW DIRECTION AND ADEQUATE INVERT ELEVATION PRIOR TO START OF WORK. PLUMBING CONTRACTOR SHALL CAMERA LINE PRIOR TO WORK TO FIELD VERIFY EXISTING ROUTING AND DEPTH AND ADJUST CONNECTION POINT AS REQUIRED.
- 3. CONFIRM SINK SPECIFICATION WITH TENANT PRIOR TO PURCHASE. PROVIDE 1/2"CW AND 1/2"HW DOWN IN WALL TO SINK. PROVIDE THERMOSTATIC MIXING VALVE FOR HOT WATER SUPPLY EQUAL TO LEONARD MODEL 170. SET HW SUPPLY WATER TEMPERATURE TO 110°F.

PLUMBING	G SYMBOLS	
<u>SYMBOL</u>	DESCRIPTION	BEN
SS	SANITARY SEWER (ABOVE GRADE)	
SS	SANITARY SEWER (BELOW GRADE)	
- — — -V— — — —	VENT PIPING	
CW	COLD WATER PIPING	
——————————————————————————————————————	HOT WATER PIPING	
——————————————————————————————————————	PIPE ELBOW DOWN	
O	PIPE ELBOW UP	
——————————————————————————————————————	GATE VALVE	
	CHECK VALVE	
lQI	BALL VALVE	IN I
	FLOOR CLEANOUT (FCO)	
	WALL CLEANOUT (WCO)	
\ominus	FLOOR DRAIN	
]	CAPPED PIPE	
PLUMBING REFER TO ARCHITECTURAL DRAWINGS MOUNTING HEIGHTS. UNO, INSTALL PI MOUNTING HEIGHTS AS LISTED BELOW THE ARCHITECT. ADA ACCESSIBLE LAVATORIES ADA ACCESSIBLE WATER CLOSET JANITOR'S SINK FAUCET FITTINGS ANNOTATION (#) PLAN WORK NOTE	UMBING FIXTURES WITH THE V WITH FINAL APPROVAL BY 34" FLOOR TO RIM 17" TO 19" FLOOR TO TOP OF SEAT	REVISIONS No. Description
	ESIGNATION (CONTRACTOR FURNISHED OTED OTHERWISE)	
- PLUMBING FIXTURE DESIGN	ATION	sheet issue date:
CONNECTION POINT OF NE	W WORK TO EXISTING	2020.05.0
		JSC project no.: 20-097
		sheet contents:
	MO COA NO. 2012006786 / KS COA NO. E-2818	PLUMBING PLA
	1901 NW BLUE PARKWAY, UNITY VILLAGE, MO 64065 3rd FLOOR UNITY VILLAGE TOWER	P1(

phone: (816) 272-5289 | email: jsmothers@jscengineers.com

	SYMBOLS LEGEND	
	NOTE: THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ETC, ARE NECESSARILY USED ON THE DRAWINGS.	<u>PART I – GENI</u> <u>A. CONDITIONS</u>
	FLUORESCENT OR LED FIXTURE (SEE SCHEDULE)	1. FURNISH THE DRA A. LIGHTI B. ELECT C. TELEP
	FIXTURE WITH EMERGENCY BATTERY BALLAST UNIT/DRIVER TRACK LIGHT	2. OBTAIN A EXTERIOR
<u>5</u> 0 0	DOWNLIGHT FIXTURE WITH EMERGENCY BATTERY BALLAST UNIT/DRIVER	OF ALL E 3. OBTAIN S
0	WALL MOUNTED FIXTURE WITH EMERGENCY BATTERY BALLAST UNIT/DRIVER DOWNLIGHT FIXTURE	INSTALLA 4. INSTALLA
с М Д	WALL MOUNTED FIXTURE PENDANT MOUNTED FIXTURE	5. FIRE ALA
● ●	WALL WASHER SINGLE FACE EXIT SIGN – UNIVERSAL MOUNTED	CONTRAC SUBMIT S
I	SINGLE FACE EXIT SIGN W/ DIRECTIONAL ARROWS - UNIVERSAL MTD	RESPONS A MINIMU MINIMUM
	DOUBLE FACE EXIT SIGN W/ DIRECTIONAL ARROWS – UNIVERSAL MTD DUAL HEADED EMERGENCY UNIT	6. PROVIDE MEET WA
	COMBO DUAL HEADED EMERGENCY AND EXIT SIGN UNIT	CONTRAC THAT AR ASSEMBL
<u>م</u> ۲	LETTER INDICATES LIGHT FIXTURE AS INDICATED ON FIXTURE SCHEDULE SINGLE POLE SWITCH @ +48" UNLESS NOTED	B. RELATED WO
S S _{abc}	SWITCH BANK @ +48" UNLESS NOTED. LOWER CASE LETTER INDICATES FIXTURE CONTROLLED.	1. THE ELEC SERVICE CONTRAC
S2 S3	2 POLE SWITCH @ +48" UNLESS NOTED 3-WAY SWITCH @ +48" UNLESS NOTED	2. THE ELEC
S4	4-WAY SWITCH @ +48" UNLESS NOTED	AND CAT AND CAT
Sd S3d S	DIMMER SWITCH – SIZE AS REQUIRED @ +48" UNLESS NOTED 3-WAY DIMMER SWITCH – SIZE AS REQUIRED @ +48" UNLESS NOTED 3-WAY DIMMER SWITCH BANK @ +48" UNLESS NOTED LOWER CASE LETTER INDICATES FIXTURE	C. CODES, REG 1. THE INST WITH THE
S3dxy Ss	3-WAY DIMMER SWITCH BANK @ +48" UNLESS NOTED. LOWER CASE LETTER INDICATES FIXTURE CONTROLLED. SWITCH SENSOR @ +48" UNLESS NOTED	REQUIREN
S™ (05)	MANUAL MOTOR STARTER OCCUPANCY SENSOR	2. THE LATI MINIMUM A. THE N
		B. THE N C. UNDEF
Sosa	WALL SWITCH WITH OCCUPANCY SENSOR. TWO BUTTON DIGITAL LOW VOLTAGE WALL SWITCH. PROVIDES ON/OFF/0-10V DIMMING. SWITCH @ +48" UNLESS NOTED. LOWER CASE LETTER INDICATES FIXTURE CONTROLLED.	D. AMERI E. INTER
		D. INSPECTION 1. PRIOR TO PROPOSE
SDa	TWO BUTTON DIGITAL LOW VOLTAGE WALL SWITCH. PROVIDES ON/OFF/0-10V DIMMING. SWITCH @ +48" UNLESS NOTED. LOWER CASE LETTER INDICATES FIXTURE CONTROLLED.	WORKING NONCOM
LC	LIGHTING CONTACTOR	2. ELECTRIC E. STORAGE
Ø	LIGHTING CONTROLS POWER PACK (SEE LIGHTING CONTROLS SCHEDULE FOR TYPE INDICATED BY $"\#"$)	1. DELIVER LABELED HANDLIN
) E	DAYLIGHT SENSOR (SEE LIGHTING CONTROLS SCHEDULE)	WORK OF COST TO
(Ţ)	OCCUPANCY SENSOR (SEE LIGHTING CONTROLS SCHEDULE FOR TYPE INDICATED BY "X")	2. ARRANGE MINIMIZE 3. COVER A
(S)	CAMERA SPEAKER	OR STOR ACCORD
	TELEPHONE OUTLET@ +18" UNLESS NOTED DATA OUTLET @ +18" UNLESS NOTED	F. CLEANUP 1. KEEP TH
	COMBINATION TELEPHONE/DATA OUTLET @ +18" UNLESS NOTED TELEVISION OUTLET @ +18" UNLESS NOTED, COORDINATE REQUIREMENT WITH TENANT	EMPLOYE Work re
(DD) (HD)	DUCT DETECTOR HEAT DETECTOR	G. EXCAVATIO 1. PERFORM OF THE
<u>(30)</u>	120 VOLT SMOKE DETECTOR WITH SOUNDER BASE AND BATTERY BACKUP	ARE DEE 2. PERFORM
	AUXILIARY SYSTEM TERMINAL CABINET SWITCHBOARD, MOTOR CONTROL CENTER OR DISTRIBUTION BOARD	FOR THE OF OTHE THE ARC
	120/208V., 3 PHASE, 4 WIRE PANELBOARD, UNLESS NOTED OTHERWISE CARD READER. PROVIDE 2–GANG OUTLET BOX WITH SINGLE GANG RING AND 3/4" CONDUIT	H. DRAWINGS 1. THE DRA
	STUBBED UP IN WALL TO ABOVE ACCESSIBLE CEILING WITH BUSHING ON END OF CONDUIT @ 48" UNLESS NOTED OTHERWISE.	DATA PR VERIFICA
6	GENERATOR	REVIEW / MEET TH PRECEDE
	TRANSFORMER MOTOR OUTLET	DRAWING BE BROU IF DISCR
	DISCONNECT SWITCH – SIZE AND TYPE NOTED COMBINATION FUSED STARTER DISCONNECT SWITCH FUSE SIZE AS INDICATED, STARTER SIZE '1'	BETTER CONTRAC LOCATION
EF 1	MECHANICAL EQUIP. CONNECTION, SEE SCHED. ON MECH. PLAN	DISTANCE
	JUNCTION BOX CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING	I. COOPERATIO 1. COOPERA EQUIPME
	CONDUIT RUN BELOW FLOOR OR GRADE	LOCATION DUCTWOF 2. CAREF
€	SPECIAL HEAVY DUTY RECEPTACLE - SIZE AS NOTED. @ +18" UNLESS NOTED	BEEN DIS 3. COORDIN
 	1/2 SWITCHED RECEPTACLE @ +18" UNLESS NOTED FIRE RATED POKE THRU WITH TYPE INDICATED	4. COORDIN CONTRAC
•	FLUSH FLOOR BOX WITH TYPE INDICATED	J. RECORD DF 1. THE ELEC EXCLUSIV
	SINGLE RECEPTACLE @ +18" UNLESS NOTED DUPLEX RECEPTACLE @ +18" UNLESS NOTED	2. AT THE
	DOUBLE DUPLEX RECEPTACLE @ +18" UNLESS NOTED GFI DUPLEX RECEPTACLE	CONDITIO <u>PART II – PRC</u>
↓ GFI S ↓	FULL SWITCHED RECEPTACLE DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP	A. MATERIALS 1. ALL MAT
↓ ↓ WP	DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP DUPLEX GFI RECEPTACLE WITH WEATHERPROOF COVERPLATE © 18" UNLESS NOTED	AND MUS THEY AR
P1-3,5,7	OF ONLESS NOTED THOMERUN TO PANELBOARD, INFORMATION AT ARROWS ARE CIRCUIT NUMBERS AND PANELBOARD FOR TERMINATION. REFER TO ASSOCIATED NOTE FOR BRANCH CIRCUIT CONDUCTOR SIZES.	AND REG <u>B. SHOP DRAW</u> 1. THE ITEM
ς	5 INDICATES 1/2" CONDUIT CONCEALED IN CEILING OR WALL WITH (3) CONDUCTORS. (1) PHASE, (1) NEUTRAL AND (1) GROUND WIRE. ALL ARE #12 AWG UNLESS NOTED OTHERWISE.	MATERIAI SUBSTITU NUMBER, ARCHITE(
	- WHIP COUNT INDICATES NUMBER OF HOT CONDUCTORS	

ELECTRICAL SPECIFICATIONS

NSTALL A COMPLETELY WIRED AND OPERATIONAL ELECTRICAL SYSTEM AS SHOWN ON AND SPECIFIED HEREIN, INCLUDING BUT NOT LIMITED TO, THESE MAJOR ITEMS. TURES AS INDICATED AND SPECIFIED ON THE PLANS. PANELS, SERVICE, CONDUIT, WIRING, ETC., FOR ALL OUTLETS AND EQUIPMENT. TELEVISION, AND FIRE ALARM. OUTLETS AND CONDUIT AS INDICATED.

VIEW ALL OTHER DRAWINGS INCLUDING REFLECTED CEILING PLAN, INTERIOR AND ATIONS, FURNITURE PLANS AND ALL MILL WORK DRAWINGS. COORDINATE INSTALLATION ICAL DEVICES AND EQUIPMENT PRIOR TO ROUGH-IN.

TAL AND SHOP DRAWINGS FROM OTHER TRADES AND EQUIPMENT TO COORDINATE ACCORDINGLY.

HALL COMPLY WITH ALL CURRENT APPLICABLE CODES AND GOVERNING AGENCIES CTION.

STEM, IF REQUIRED PER IBC, SHALL BE DESIGN-BUILD BY OWNER'S/GC'S FIRE ALARM DESIGN SHALL BE IN ACCORDANCE WITH NFPA 72. FIRE ALARM CONTRACTOR SHALL ID DRAWINGS TO AHJ FOR REVIEW AND APPROVAL. FIRE ALARM CONTRACTOR IS OR TESTING AND VERIFYING THAT THE AUDIBILITY OF THE FIRE ALARM SYSTEM MEETS 15 DBA ABOVE AMBIENT NOISE LEVELS. ADD HORNS WHERE REQUIRED TO MAINTAIN

STOP ON ALL PIPING THAT PENETRATES RATED WALLS. METHOD OF FIRE STOP SHALL TING. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE RATED WALLS. THIS SHALL PROVIDE FIRE RATED ENCLOSURES AROUND ALL ROUGH-IN BOXES, PANELS, ETC. ATED IN FIRE RATED WALLS AND SHALL FIRE CAULK ALL OPENINGS IN RATED

OTHERS

CONTRACTOR SHALL PROVIDE CONDUIT, TRENCH, AND BACKFILL FOR ELECTRICAL NCE FROM THE MAIN SERVICE TO UTILITY POINT OF ELECTRICAL SERVICE. ELECTRICAL HALL COORDINATE THE INSTALLATION OF THE ELECTRICAL SERVICE ENTRANCE WITH Y COMPANY.

CONTRACTOR SHALL PROVIDE CONDUIT, TRENCH, AND BACKFILL FOR PRIMARY PHONE VICE FROM THE TELEPHONE TERMINAL BOARD OR CABINET TO THE PHONE COMPANY PANY POINT OF SERVICE COORDINATE WITH LOCAL UTILITY COMPANIES.

<u>ONS, AND STANDARDS</u> TION SHALL COMPLY WITH APPLICABLE LOCAL AND STATE CODES AND ORDINANCES, ULATIONS OF THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE AND WITH THE OF THE POWER, TELEPHONE, AND CATV COMPANIES FURNISHING SERVICES TO THIS

ITIONS OF THE FOLLOWING INDUSTRY STANDARDS, SPECIFICATIONS, AND CODES ARE REMENTS:

AL ELECTRICAL MANUFACTURER'S ASSOCIATION STANDARDS. AL ELECTRICAL CODE, INCLUDING LOCAL AMENDMENTS. R LABORATORIES INCORPORATED STANDARDS. IATIONAL STANDARDS INSTITUTE.

NAL BUILDING CODE. <u>ITE</u> MITTING A BID FOR ELECTRICAL WORK, THE CONTRACTOR SHALL VISIT THE SITE OF THE NSTRUCTION AND SHALL THOROUGHLY ACQUAINT HIMSELF WITH EXISTING UTILITIES, AND DITIONS TO BE ENCOUNTERED, ETC. ALLOWANCE WILL NOT BE MADE FOR

WITH THIS CONDITION AFTER BIDDING. TALLATION SHALL MEET THE EXISTING CONDITIONS.

NDLING OF MATERIAL

ALS AND EQUIPMENT TO THE PROJECT IN THE MANUFACTURER'S ORIGINAL, UNOPENED, AINERS. PROTECT AGAINST MOISTURE, TAMPERING, OR DAMAGE FROM IMPROPER STORAGE. CONTRACTOR SHALL PROTECT AND BE RESPONSIBLE FOR ANY DAMAGE TO RIALS UNTIL FINAL ACCEPTANCE BY THE OWNER, AND SHALL MAKE GOOD WITHOUT OWNER, ANY DAMAGE OR LOSS THAT MAY OCCUR DURING THIS PERIOD. TIMELY DELIVERY OF MATERIALS AND EQUIPMENT TO THE JOB SITE IN ORDER TO

ENGTH OF TIME BETWEEN DELIVERY AND INSTALLATION. OTECT ANY MATERIAL WHICH MAY BE AFFECTED BY THE WEATHER WHILE IN TRANSIT THE PROJECT SITE. ANY MATERIAL FOUND DEFECTIVE OR NOT INSTALLED IN ITH THE CONTRACT DOCUMENTS MAY BE REJECTED BY THE ENGINEER.

MISES FREE FROM ACCUMULATION OF WASTE MATERIALS, OR RUBBISH CAUSED BY WORK UNDER THIS DIVISION OF THE SPECIFICATIONS. AT THE COMPLETION OF THE ALL SURPLUS MATERIALS, TOOLS, ETC., AND LEAVE THE PREMISES BROOM-CLEAN.

TING, AND FITTING

XCAVATION AND BACK FILLING REQUIRED FOR WORK PERFORMED UNDER THIS DIVISION CATIONS. USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OFF SITE MATERIALS CCESSARY.

EXCAVATION, CUTTING, FITTING, REPAIRING, AND FINISHING OF THE WORK NECESSARY LLATION OF THE EQUIPMENT OF THIS SECTION. HOWEVER, NO CUTTING OF THE WORK DES OR OF ANY STRUCTURAL MEMBERS SHALL BE DONE WITHOUT THE CONSENT OF

INDICATE THE GENERAL ARRANGEMENT AND LOCATIONS OF THE ELECTRICAL WORK TED ON THESE DRAWINGS ARE AS ACCURATE AS PLANNING CAN DETERMINE, BUT FIELD OF ALL DIMENSIONS, LOCATIONS, LEVELS, ETC., TO SUIT FIELD CONDITIONS IS REQUIRED. RCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS AND ADJUST ALL WORK TO DUREMENTS OF CONDITIONS SHOWN. THE ARCHITECTURAL DRAWINGS SHALL TAKE OVER ALL OTHER DRAWINGS. DISCREPANCIES BETWEEN DIFFERENT PLANS, OR BETWEEN O SPECIFICATIONS, OR REGULATIONS AND CODES GOVERNING THE INSTALLATION SHALL TO THE ATTENTION OF THE ENGINEER IN WRITING BEFORE THE DATE OF BID OPENING. CLES ARE NOT REPORTED, THE CONTRACTOR SHALL BID THE GREATER QUANTITY OR TY, AND APPROPRIATE ADJUSTMENTS WILL BE MADE AFTER CONTRACT AWARD. SHALL BE RESPONSIBLE TO FIELD MEASURE AND CONFIRM MOUNTING HEIGHTS AND ELECTRICAL EQUIPMENT WITH RESPECT TO COUNTERS, RADIATION, ETC. DO NOT SCALE F THE ELECTRICAL DRAWINGS, USE ACTUAL BUILDING DIMENSIONS.

OTHER CONTRACTORS

H THE OTHER TRADES SO THAT THE INSTALLATION OF THE ELECTRICAL OUTLETS AND BE PROPERLY COORDINATED. CONDUIT, LIGHTING FIXTURES, AND OTHER EQUIPMENT ILL BE VERIFIED WITH OTHER TRADES TO AVOID CONFLICT WITH THE PIPING, EL, BEAMS, OR OTHER OBSTRUCTIONS.

ERIFY THE LOCATIONS OF THE OUTLET BOXES AND DETERMINE THAT THEY HAVE NOT D DURING THE INSTALLATION OF MATERIALS OF OTHER TRADES. IE LOCATION OF THE TRENCHES AND CONDUITS FOR ELECTRICAL AND TELEPHONE

ES WITH THE GENERAL CONTRACTOR. /AC AND PLUMBING EQUIPMENT CONNECTION REQUIREMENTS WITH HVAC AND PLUMBING

L CONTRACTOR SHALL MAINTAIN A SET OF DRAWINGS AT THE JOB SITE FOR THE RPOSE OF MAINTAINING A RECORD OF ALL WORK INSTALLED AND TO SHOW ANY OM THE WORK INDICATED ON THE DRAWINGS. ETION OF THE PROJECT, ONE SET OF REPRODUCIBLE DRAWINGS, SHOWING ALL RECORD HALL BE DELIVERED TO THE OWNER FOR ACCEPTANCE PRIOR TO FINAL PAYMENT.

AND EXECUTION

S SHALL BE NEW AND OF QUALITY AS SPECIFIED ON THE PLANS OR SPECIFICATIONS RRY THE UNDERWRITER'S LABORATORIES APPROVAL COVERING THE PURPOSE FOR WHICH D, IN ADDITION TO MEETING ALL REQUIREMENTS OF THE CURRENT APPLICABLE CODES DNS.

ND APPROVALS

CIFIED HEREIN AND ON DRAWINGS ARE USED AS A STANDARD OF QUALITY. ANY EQUAL QUALITY AND AESTHETIC VALUE WILL BE GIVEN CONSIDERATION AS A R THE MATERIALS SPECIFIED. NO APPROVAL WILL BE GIVEN TO A SPECIFIC CATALOG , OR TYPE OF EQUIPMENT, PRIOR TO BIDDING. AFTER BIDDING, THE DECISION OF THE /OR ENGINEER DETERMINING EQUAL MATERIALS WILL BE FINAL. THE CONTRACTOR SHALL SUBMIT SEVEN (7) IDENTICAL BOUND SETS OF SHOP DRAWINGS ON TH FOLLOWING ITEMS:
 A. LIGHTING FIXTURE CUTS AND PERFORMANCE DATA.

- B. OUTLINE DRAWINGS AND DATA SHEETS OF EACH PANELBOARD, LOAD CENTERS, AND DISTRIBU PANELS.
- C. OUTLINE DRAWINGS OF ALL SWITCH GEAR COMPONENTS.
- D. WIRING DEVICES AND COVERPLATES. E. ALL CIRCUIT BREAKERS INSTALLED IN PANELBOARDS, LOAD CENTERS, AND DISTRIBUTION PAN
- . SUBMIT ITEMS AT ONE TIME IN A NEAT AND ORDERLY MANNER WITHIN 15 DAYS OF AWARD OF CONTRACT. PARTIAL SUBMITTALS WILL NOT BE ACCEPTABLE.

C. SYSTEM GROUNDING

GROUNDING SHALL COMPLY WITH REQUIREMENTS OF ARTICLE 250. ALL EXPOSED NONCURRENT CARRYING METALLIC PARTS OF ELECTRICAL EQUIPMENT, METALLIC RACEWAY SYSTEMS, METALLIC CABLE ARMOR, GROUNDING CONDUCTOR OF NONMETALLIC SHEATHED CABLES, GROUNDING CONDU IN NONMETALLIC RACEWAYS, AND GROUNDED CONDUCTORS OF THE WIRING SYSTEM SHALL BE GROUNDED.

D. WIRE

I. CONDUCTOR SIZES SHOWN ON THE DRAWINGS ARE BASED ON COPPER WIRE. UNLESS OTHERWIS SPECIFIED, ALL WIRE SHALL BE TYPE XHHW OR SE FOR FEEDERS OR BRANCH CIRCUITS LARGER 4 AWG, TYPE THHN/THWN INSULATION FOR FEEDERS AND BRANCH CIRCUITS 4 AWG AND SMALL ALL BRANCH CIRCUIT WIRING SHALL BE COPPER.

- THE WIRES SHALL BE MARKED WITH COLOR TO SIMPLIFY CIRCUIT IDENTIFICATION. UNLESS OTHE REQUIRED BY LOCAL ORDINANCES GROUND WIRES SHALL BE GREEN, NEUTRAL WIRES SHALL BE 120V-WHITE, AND LIVE WIRES 208Y/120V AND 120/240 SHALL BE BLACK (PHASE A), RED (PH/ B), AND BLUE (PHASE C). CIRCUIT SHALL BE LABELED IN EACH J-BOX.
- ALL CONDUCTORS SHALL BE RATED 600 VOLT.
 PROVIDE SOLID CONDUCTOR FOR 12 AWG AND SMALLER.
- NO WIRE SHALL BE INSTALLED IN THE CONDUIT SYSTEM UNTIL THE CONDUIT SYSTEM IS COMPLE USE MINERALAC NO. 100 OR EQUIVALENT AS A LUBRICANT TO FACILITATE THE INSTALLATION OF CONDUCTORS IN THE CONDUIT SYSTEM.
- 6. MC CABLE WITH COPPER CONDUCTORS AND GROUND WIRE MAY BE USED WHERE PERMITTED.E. CONDUIT
- 1. ALL WIRING SHALL BE INSTALLED IN LISTED METALLIC CONDUIT EXCEPT AS PERMITTED IN OTHER SECTIONS. RGS, WITH A 20 MIL PVC COATING WILL BE USED WHEN IN CONTACT WITH EARTH. MAY BE USED IN INDOOR LOCATIONS NOT IN CONTACT WITH THE EARTH. EMT MAY BE USED IN INDOOR LOCATIONS NOT IN CONTACT WITH EARTH, NOT IN CONCRETE SLABS OR WALLS AND NO SUBJECT TO DAMAGE. PVC MAY BE USED IN OR BELOW CONCRETE AND DIRECT BURIED IN EAR FLEXIBLE STEEL CONDUIT SHALL BE USED FOR INDOOR FINAL CONNECTIONS TO EQUIPMENT IN LENGTHS NOT TO EXCEED 72". LIQUID-TIGHT FLEXIBLE STEEL CONDUIT SHALL BE FOR OUTDOOF FINAL CONNECTIONS TO EQUIPMENT NOT TO EXCEED 48".
- 2. WHERE CONDUIT ENTERS OUTLET BOXES, FIXTURES OR CABINETS, FIRMLY FASTEN WITH STEEL SI SCREW, COMPRESSION CONNECTORS, OR DOUBLE LOCKNUTS FOR GRC. ALL CONNECTIONS SHALL HAVE BUSHINGS OR INSULATED THROAT CONNECTORS. FIRMLY FASTEN CONDUIT TO THE BUILDIN CONSTRUCTION. RUN EXPOSED CONDUIT PARALLEL TO THE BUILDING LINES, SUPPORTED BY APPROPRIATE HANGERS (UNISTRUT, T & B OR APPLETON, OR EQUAL).
- COVER METALLIC CONDUIT IN CONTACT WITH EARTH WITH POLYETHYLENE TAPED SPIRAL WRAPPE 1/2 LAPPED TO PROVIDE 20 MIL. THICKNESS. TAPE SHALL BE SCOTCH NO. 50 TAPE. CONDUI DUCTS NOT UNDER BUILDINGS AND FEEDER DUCTS SHALL BE INSTALLED PER N.E.C. 300-5. M/ JOINTS WITH COMPOUND TO BE WATERTIGHT.
- SCHEDULE 40 PVC CONDUIT SHALL BE PERMITTED UNDERGROUND WITH PROPER FITTINGS, ALL U APPROVED AND CEMENTED JOINTS. PENETRATIONS THROUGH FLOOR SLABS AND BENDS GREATI THAN 22° SHALL BE WRAPPED RIGID GALVANIZED STEEL ELBOWS.
- 5. FITTINGS AND CONDUIT BODIES SHALL BE STEEL. DIECAST FITTINGS ARE NOT ACCEPTABLE.
- CONDUIT SIZES SHALL BE AS REQUIRED BY CODE AND AS INDICATED OR SPECIFIED.
 ALL EMPTY CONDUIT SYSTEMS SHALL HAVE A 200 LB. TEST NYLON PULL STRING TO FACILITATION
- INSTALLATION OF FUTURE WIRE.
 8. WIRING, CONDUITS, AND OUTLETS SHALL BE CONCEALED WITH THE BUILDING STRUCTURE, EXCEPTATE CERTAIN MOTOR AND LIGHTING FEEDER CONDUITS MAY BE RUN EXPOSED IN CERTAIN AREA
- INDICATED ON THE DRAWINGS.
 CONDUIT PENETRATION THROUGH ROOF SHALL HAVE ROOF FLASHING WITH CAULK TYPE COUNTE FLASHING SLEEVE. INSTALLATION SHALL BE WATERTIGHT.
- 10. CONDUITS SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO THE STRUCTURE.

F. OUTLET, PULL, AND JUNCTION BOXES

COVERING.

 EACH SWITCH, LIGHT. RECEPTACLE OR OTHER OUTLET, INSTALLED IN RESIDENTIAL UNITS, SHALL PROVIDED WITH A CODE SIZED, PLASTIC OUTLET BOX. JUNCTION AND PULL BOXES SHALL BE C SIZED, PLASTIC OR METAL OUTLET BOX. ALL OTHER OUTLET BOXES SHALL BE STEEL
 BOXES INSTALLED IN POURED CEMENT FLOORS SHALL BE FLUSH TYPE CAST IRON OR STEEL WIT WATERTIGHT GASKETED COVERS. WHERE BOXES ARE INSTALLED IN FLOORS WITH TILE OR CARPI FLOOR COVERING, COVERS SHALL BE OF THE RECESSED TYPE TO ACCOMMODATE THE FLOOR

(E)	LO	AD C	EN	P1				VC
	ATIC			RESTROOM				BL
SHE	ET / 1	I LINE:		E101/ E201				MA
AIC	RAT	ING:		10,000				MC
C	(T	CE	3	LOAD DESIGNATION				LC
NO.	CODE	TRIP	POLE	DESCRIPTION	MISC	REC	LITE	\
1				SPACE				
3	2	20	1	(E)EXISTING LOAD				1
5	2	20	1	(E)EXISTING LOAD				1
7	1	20/20	1	(E)EXISTING LOAD				1:
9	1	20/20	1	(E)EXISTING LOAD				1:
11	2	40		(E)EXISTING LOAD				30
13			2					30
15	2	20	1	(E)EXISTING LOAD				1
17	2	20	1	(E)EXISTING LOAD				1(
19	2	20	1	EXAM RM 1 RECEPS				7
21	2	20	1	EXAM RM 8 RECEPS				7
23				SPACE				
25				SPACE				
						1	•	ΤO

JOB NAME: ISSUE DATE: SHARKY MEDICAL OFFICE 05.05.2020

(E)ELECTRICAL PANEL S

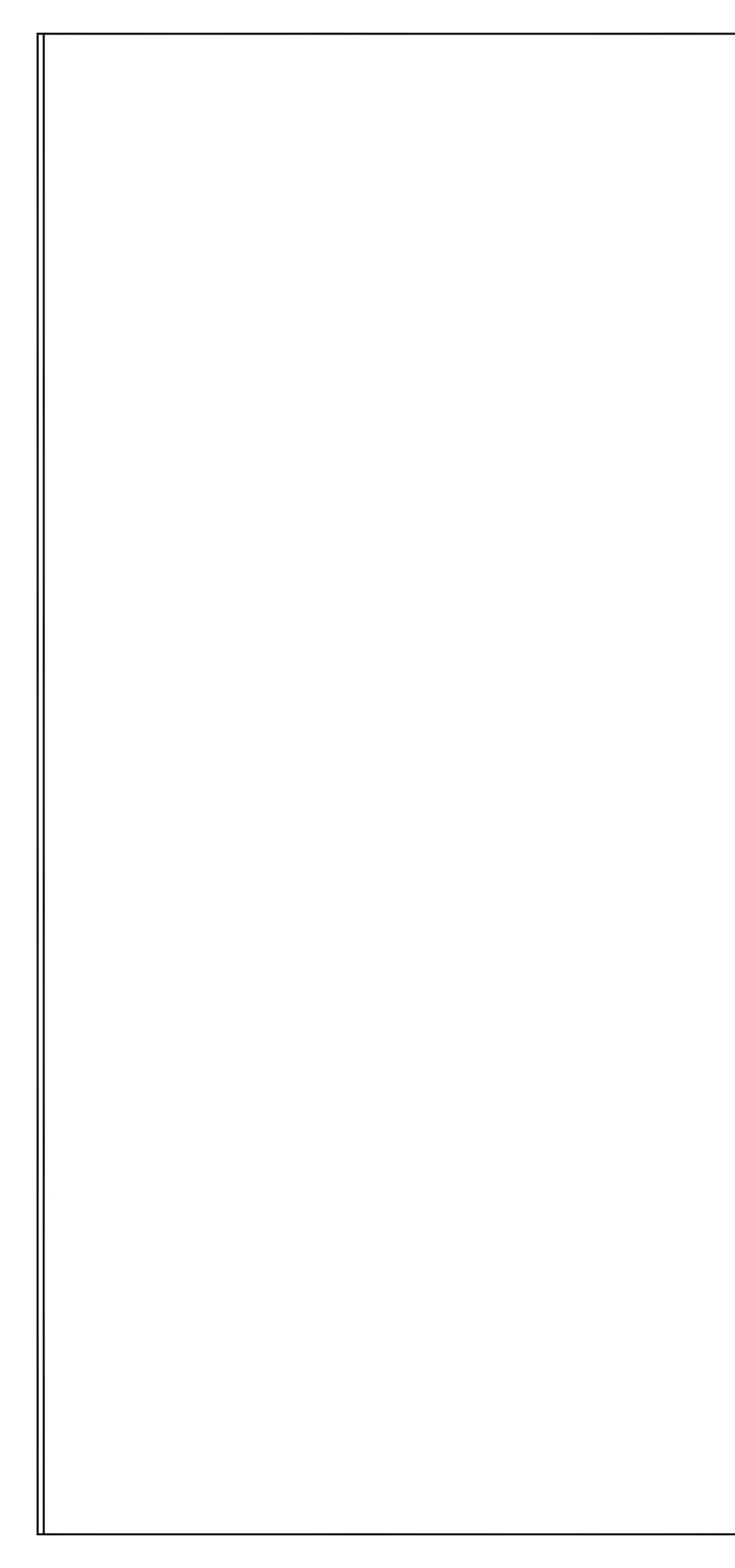
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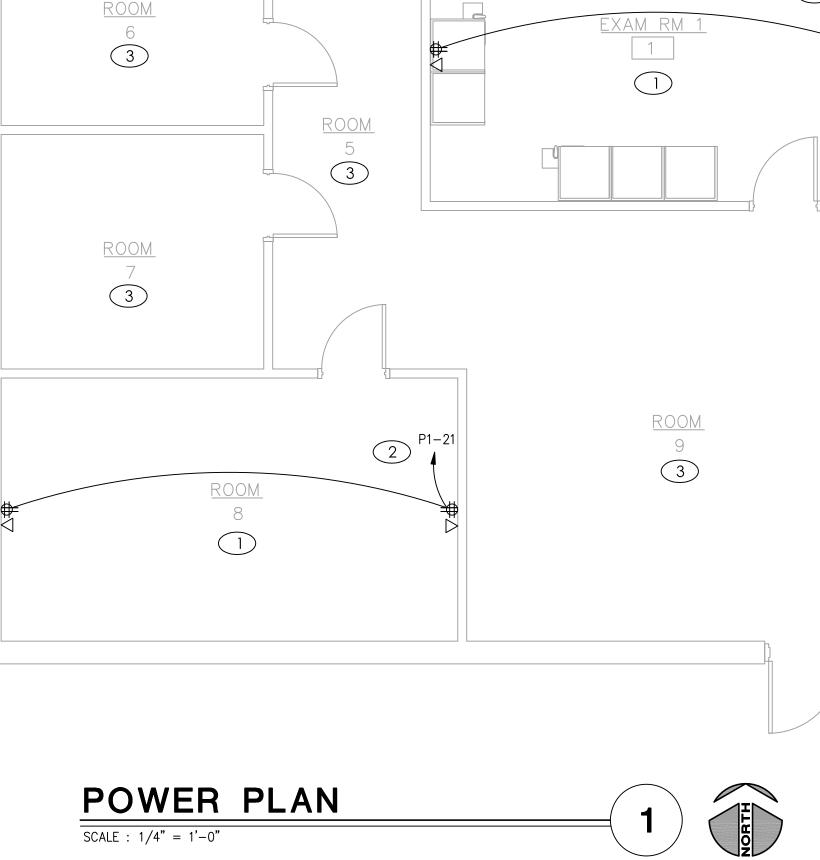
 BOXES INSTALLED FOR THE ALARM, COMPUTER, AND SECURITY SYSTEM SHALL BE PROVIDED WITH APPROPRIATE COVER PLATES. BOXES FOR TELEPHONE, COMPUTER, T.V., FIRE ALARM, SECURITY, AND SIMILAR SYSTEMS SHALL BE MINIMUM 2–1/8" DEEP. CWIRNC DEVICES WALL SWITCHES SHALL BE SPECIFICATION GRADE AC SILENT TYPE SWITCHES, 20A 120/277 VOLT. RECEPTACLES SHALL BE SPECIFICATION GRADE AC SILENT TYPE SWITCHES, 20A 120/277 VOLT. RECEPTACLES SHALL BE SPECIFICATION GRADE, DUPLEX TYPE. NEMA5–20R, 20 AMPERE, 120VOLT GROUNDED TYPE. SPECIAL APPLICATION RECEPTACLES SHALL BE INDICATED ON PLANS. MOUNT WITH THE GROUND DOWN. DEVICE PLATES SHALL BE EQUAL TO SIERRA SMOOTH-LINE PLASTIC WALL PLATES. COLOR SHALL BE WHITE, UNLESS OTHERWISE NOTED. RECEPTACLES IN OUTDOOR AND WET LOCATIONS SHALL BE INSTALLED WITH A HINGED OUTLET COVER/ENCLOSURE CLEARLY MARKED AND U.L. LISTED SUITABLE FOR WET LOCATIONS WHILE IN USE, EQUAL TO TAYMAC SPECIFICATION GRADE. CIRCUIT BREAKER TYPE AS INDICATED ON DRAWINGS. MANUFACTURERS SHALL BE GENERAL ELECTRIC, SQUARE D, SIEMENS, CUTLER-HAMMER/EATON WITH VOLTAGE, SIZES, AND RATINGS AS INDICATED ON DRAWINGS. THAN THE CIRCUIT BREAKERS SHALL BE OPERABLE IN ANY POSITION AND BE REMOVABLE FROM THE FRONT OF THE PANEL BOARD WITHOUT DISTURBING THE ADJACENT UNITS. BRANCH BREAKERS SHALL BE OF SUCH DESIGN THAT COMBINATION OF SINGLE-POLE AND DOUBLE-POLE BREAKERS CAN BE ASSEMBLED ON THE SAME PANEL. EACH BRANCH CIRCUIT SHALL BE CLEARLY NUMBERED. BRANCH AND MAIN TERMINALS SHALL BE OF THE SOLDERLESS TYPE. HANDLE TES TO FORM MULTI-POLE BREAKERS NOT ACCEPTABLE. A. CIRCUIT BREAKERS SHALL BE OF THE SOLDERLESS TYPE. HANDLE TES TO FORM MULTI-POLE BREAKERS NOT ACCEPTABLE. A. CIRCUIT BREAKERS SHALL BE OF THE SOLDERLESS TYPE. HANDLE TES TO FORM MULTI-POLE BREAKERS NOT ACCEPTABLE. A. CIRCUIT BREAKERS SHALL BE OF THE SOLDERLESS TYPE. HANDLE TES TO FORM MULTI-POLE BREAKERS NOT ACCEP	
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THE INFORMATION SHALL INCLUDE ROOM AND TYPE LOAD SERVED. ALL CIRCUIT BREAKERS SHALL BE IDENTIFIED, INCLUDING SPARES. INDEX CARD FRAME SHALL BE METAL, SECURED TO DOOR.	
5. PANEL BOARDS/LOAD CENTERS TO BE PROVIDED WITH COPPER BUSSIING ONLY.	
N. TELEPHONE AND CABLE TELEVISION SYSTEMS 1. TELEPHONE WALL OUTLETS SHALL CONSIST OF STANDARD BOXES MOUNTED 18" ABOVE THE FLOOR UNLESS OTHERWISE INDICATED. PROVIDE A TERMINAL MOUNTING BOARD FOR THE INCOMING SERVICE	
CABLE. 2 CABLE TELEVISION OUTLETS SHALL CONSIST OF STANDARD BOXES MOUNTED 18" ABOVE THE FLOOR	
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HEREUNDER, SHALL BE MADE GOOD AT NO EXPENSE TO THE OWNER.	
D, <u>P. REMODELING WORK</u> AND 1. THIS PROJECT INVOLVES CONSTRUCTION INSIDE AN EXISTING STRUCTURE. CONTRACTORS, BY	
KE SUBMITTING A BID ARE DEEMED TO BE COMPLETELY FAMILIAR WITH THE EXISTING CONDITIONS OF THE BUILDING AS IT INFLUENCES THE WORK DESCRIBED. NO CLAIMS FOR EXTRA COMPENSATION WILL BE	
CONSIDERED FOR EXISTING CONDITIONS VISIBLE OR REASONABLY INFERABLE FROM A CAREFUL EXAMINATION OF THE EXISTING BUILDING CONDITIONS. 2. CONTRACTOR SHALL INSPECT THE EXISTING FIELD CONDITIONS AT THE SITE AND THE CONTRACT	
2. CONTRACTOR SHALL INSPECT THE EXISTING FIELD CONDITIONS AT THE SITE AND THE CONTRACT DOCUMENTS PRIOR TO THE START OF ANY WORK TO DETERMINE WHAT EFFECT THE EXISTING CONDITIONS WILL HAVE ON THE WORK POTENTIAL. CONTRACTOR SHALL REPORT DISCREPANCIES TO	
THE ARCHITECT AND INCLUDE IN THE BID ALL COSTS REQUIRED TO MAKE THE WORK MEET EXISTING CONDITIONS.	
3. DEMOLITION: DISCONNECT, DEMOLISH, AND REMOVE ABANDONED MATERIALS AND EQUIPMENT S AS INDICATED TO BE REMOVED AND NOT INDICATED TO BE SALVAGED OR REMAIN.	
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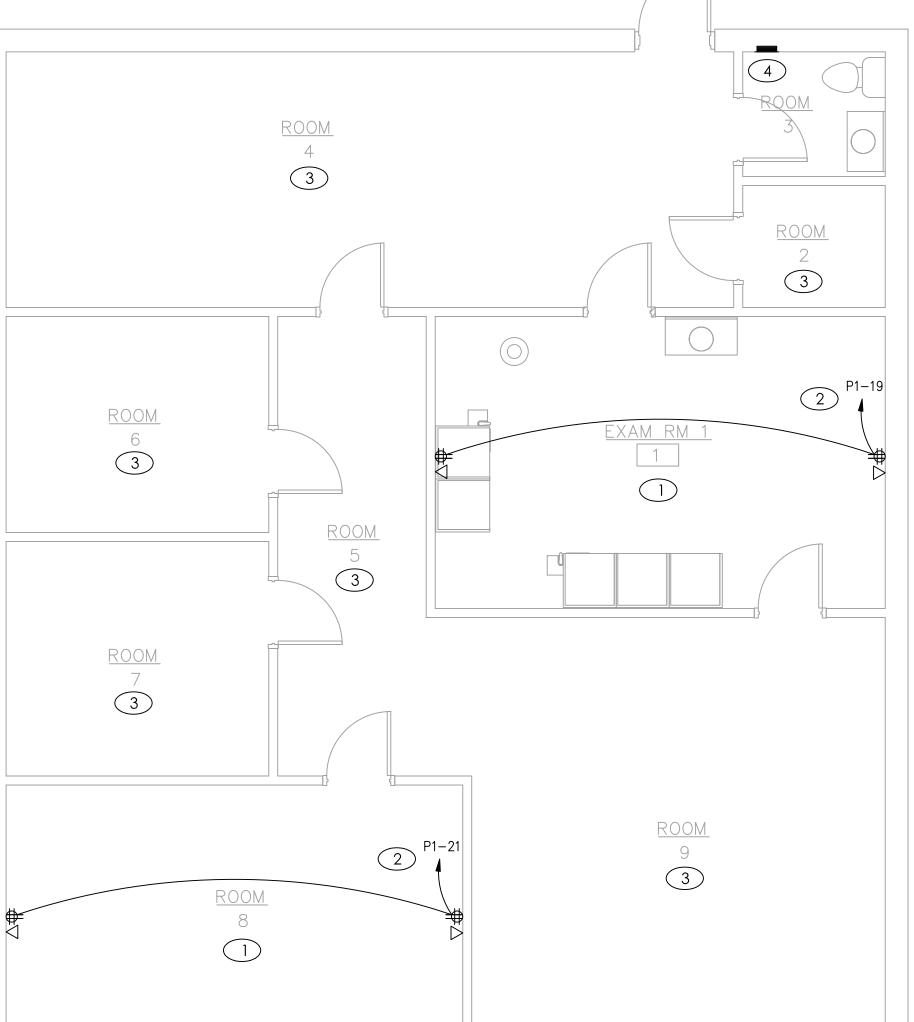
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SCALE : 1/4" = 1'-0"



GENERAL NOTES

- A. EXISTING WORK SHOWN LIGHT, NEW SHOWN BOLD.
- B. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS OR FIELD MEASUREMENTS FOR DIMENSIONS.
- C. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL LOCAL BUILDING CODES AND AMENDMENTS.
- D. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACE AVAILABLE, AND WITHOUT INTERFERENCES.
- E. THIS CONTRACTOR SHALL PERFORM ALL WORK INDICATED AND/OR AS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL SYSTEMS.
- F. ALL WIRING SHALL BE IN APPROVED RACEWAY.
- G. WIRE SIZE SHALL BE MINIMUM #12 AWG, THWN SOLID COPPER UNLESS OTHERWISE NOTED. PROVIDE GROUND WIRE WHERE REQUIRED BY CODE. INCREASE WIRE SIZE TO COMPENSATE FOR VOLTAGE DROP WHERE TOTAL LENGTH OF ANY BRANCH CIRCUIT EXCEEDS 100 FEET.
- H. ROUTE ALL EXPOSED, RIGID CONDUIT TIGHT TO STRUCTURE, PARALLEL TO BUILDING LINES AND IN UNISTRUT CABLE/PIPE TRAY WHERE POSSIBLE. COORDINATE CONDUIT ROUTING AND INSTALLATION WITH OTHER TRADES PRIOR TO ROUGH-IN. SUPPORT CONDUIT FROM STRUCTURE NOT ROOF DECK. MAINTAIN 2" MIN SPACING FROM BOTTOM OF ROOF DECK TO PREVENT ROOFING SCREWS FROM PENETRATING CONDUITS.
- I. PERFORM ALL ELECTRICAL DISCONNECTIONS AND REMOVAL AS A RESULT OF WALL AND CEILING DEMOLITION SHOWN ON ARCHITECTURAL DRAWINGS. ENSURE CONTINUITY OF ALL EXISTING ELECTRICAL CIRCUITS SERVING REMAINING AND RELOCATED DEVICES. UPDATE PANEL SCHEDULES TO REFLECT CIRCUIT REMOVAL AND MODIFICATIONS.
- J. EXISTING DEVICES NOT AFFECTED BY DEMOLITION AND NOT SHOWN SHALL REMAIN.

KEYED PLAN NOTES

- 1. DISCONNECT EXISTING GENERAL USE RECEPTACLES IN ROOM. REMOVE DEVICES, CAP WIRES IN WALL, AND INSTALL BLANK COVER PLATE TO CONCEAL WIRES. COORDINATE COLOR/FINISH OF COVER PLATE WITH ARCHITECT PRIOR TO ORDERING.
- 2. PROVIDE MEDICAL GRADE QUADPLEX RECEPTACLE. MAKE CONNECTION TO DEVICE WITH MEDICAL GRADE WIRING BACK TO DESIGNATED PANEL AND BREAKER.
- 3. NO SCOPE IN THIS ROOM.
- 4. LOCATION OF EXISTING PANELBOARD TO REMAIN. ALL EXISTING SERVICE EQUIPMENT AND BRANCH CIRCUITS ARE TO REMAIN. REFER TO PANELBOARD SCHEDULE ON SHEET E102 FOR MORE INFORMATION.

816.284	m-arch.	com
CHAD SHARKY'S CLINIC RENOVATION	CHAD SHARKY	612 SW 3RD STREET UNIT D LEE'S SUMMIT, MISSOURI 64063
REVISIONS No. Descrip	otion	Date
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