



## ARCHITECTURAL GENERAL NOTES

### BUILDING DEPARTMENT NOTES

1. IN NO CASE SHALL ANY REQUIRED AISLE BE LESS THAN FORTY-FOUR (44) INCHES IN CLEAR WIDTH.
2. EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS NO LESS THAN AN AVERAGE OF 1 FOOT-CANDLE AND A MINIMUM AT ANY POINT OF .1 FOOT-CANDLE MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL. NFPA 101, 5-9.2.1. NOTE: A FUNCTIONAL ILLUMINATION TEST OF THE EMERGENCY LIGHTING WILL BE MADE BY USING A LIGHT METER TO MEASURE FOOT-CANDLES, PRIOR TO FINAL CERTIFICATE OF OCCUPANCY INSPECTION. (ADDITIONAL LIGHTING UNITS MAY BE NEEDED.) (ALL MAIN DESIGNATED AISLES INCLUDING REAR EXIT NEAR EXIT NEED ADDITIONAL EMERGENCY LIGHTING).
3. A LATCH OR OTHER FASTENING DEVICE SHALL BE PROVIDED WITH ONLY ONE KNOB, HANDLE, PANIC BAR, OR OTHER SIMPLE TYPE OF RELEASING DEVICE. DOORS SHALL BE OPERABLE WITH NO MORE THAN ONE RELEASING DEVICE.
4. THE FLOOR ON BOTH SIDES OF A NEW AND/OR EXISTING EXIT DOOR SHALL BE SUBSTANTIALLY LEVEL AND SHALL HAVE THE SAME ELEVATION ON BOTH SIDES OF THE DOOR(S), OR A DISTANCE ON EACH SIDE AT LEAST EQUAL TO THE WIDTH OF THE WIDEST SINGLE DOOR. (REAR EXIT)
5. DUCT SMOKE DETECTOR(S) MUST BE PROVIDED FOR HVAC UNIT(S) OVER 2,000 CFM.
6. SMOKE DETECTORS SHALL AUTOMATICALLY STOP THEIR RESPECTIVE FAN(S) UPON DETECTING THE PRESENCE OF SMOKE. SMOKE DETECTORS SHALL BE INSTALLED IN THE SUPPLY SYSTEM UPSTREAM OF ANY BRANCH CONNECTIONS.
7. A FUNCTIONAL TEST OF THE FAN SHUTDOWN SHALL BE PERFORMED PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY, IN ACCORDANCE WITH NFPA 90A 4-3.
8. THE LOCATION OF ALL DUCT SMOKE DETECTORS SHALL BE PERMANENTLY AND CLEARLY IDENTIFIED AND RECORDED. THIS IS USUALLY ACCOMPLISHED BY PROVIDING A SEPARATE ZONE FOR EACH DETECTOR OR BY PROVIDING REMOTE INDICATORS SO THAT THEY WILL BE VISIBLE FROM THE FLOOR LEVEL.
9. THE DUCT SMOKE DETECTORS MAY BE INSTALLED BY A STATE LICENSED MECHANICAL CONTRACTOR, STATE OF FLORIDA LICENSED FIRE ALARM CONTRACTOR, OR AN UNLIMITED ELECTRICAL CONTRACTOR, AS LONG AS THE SYSTEM IS LOW VOLTAGE, ACCESSIBLE, BUT NOT REQUIRED. CHANGES IN LEVEL WITH
10. CHANGES IN LEVEL WITH THE FACILITY SHALL BE HANDICAPPED ACCESSIBLE TO WITH IN 1/2 INCH AT THE DOORWAYS REQUIRING ACCESSIBILITY SHALL BE RAMPED.
11. ALL WALLS AND FLOORS OF TOILET SHALL BE LINED WITH NON-ABSORBED MATERIAL TO A HEIGHT OF 4.5 FEET ABOVE THE FLOOR.
12. THE INTENT OF THESE DOCUMENTS IS TO INCLUDE ALL WORK AND ITEMS NECESSARY FOR THE COMPLETION OF WORK. THE WORK SHALL BE REQUIRED WHETHER OR NOT SHOWN ON THE PLANS AND/OR CONSTRUCTION DOCUMENTS, BUT ARE REASONABLY INFERRABLE AS BEING NECESSARY TO PROVIDE THE INTENDED RESULTS.
13. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (DO NOT SCALE DRAWINGS).
14. ALL MATERIALS SHALL BE NEW.
15. ALL WORK SHALL BE OF THE HIGHEST QUALITY FOR THE TRADE INVOLVED.
16. ALL WORK AND MATERIALS SHALL BE GUARANTEED FOR A MINIMUM OF 1 YEAR FROM THE DATE OF CERTIFICATE OF OCCUPANCY OF THE JOB.
17. THE GENERAL CONTRACTOR SHALL REVIEW THE PLANS AND FIELD CONDITIONS AND BECOME FAMILIAR WITH THE WORK. SHOULD HE BECOME AWARE OF ANY DISCREPANCIES, HE SHALL IMMEDIATELY ADVISE THE ARCHITECT PRIOR TO COMMENCING WORK.
18. ALL SUBS SHALL BE CURRENTLY LICENSED IN THE STATE OF FLORIDA.
19. SUBSTITUTIONS OF ITEMS BY THE GENERAL CONTRACTOR OR HIS SUBS WHICH THEY BELIEVE TO BE EQUAL OR BETTER SHALL BE APPROVED BY THE ARCHITECT. SAID ITEMS WHEN REQUIRING APPROVAL BY A BUILDING OFFICIAL ARE TO BE SUBMITTED TO THE BUILDING DEPARTMENT.
20. THE GENERAL CONTRACTOR SHALL MAINTAIN REQUIRED BARRICADES, WARNING DEVICES, SHORING AND ALL MEASURES NECESSARY TO PROTECT THE WORKMEN AND THE PUBLIC AS REQUIRED BY THE REGULATORY BODIES HAVING JURISDICTION.
21. THE GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND AS THE ARCHITECT WILL NOT BE PROVIDING ARCHITECTURAL OR CONSTRUCTION INSPECTION SERVICES, THE OWNER AND GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY OF WORKMANSHIP.
22. THE SHEETS OF CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY TO EACH OTHER. WHAT IS CALLED FOR ON ONE IS BINDING FOR ALL.
23. THE GENERAL CONTRACTOR SHALL OBTAIN ADEQUATE LIABILITY INSURANCE AND MAINTAIN THE POLICY THROUGHOUT THE JOB.
24. COORDINATION OF ALL WORK SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY AND ALL SUBCONTRACTORS SHALL REVIEW ANY PLANS WHICH COULD AFFECT THE INSTALLATION OF THEIR WORK.
25. THE GENERAL CONTRACTOR OR HIS SUBS SHALL ASK FOR DETAILS WHENEVER UNCERTAIN ABOUT METHODS OF INSTALLATION. LACK OF DETAILS NOT REQUESTED SHALL NOT EXCUSE IMPROPER INSTALLATION.
26. A CERTIFICATE OF OCCUPANCY SHALL BE ISSUED BY THE BUILDING DEPARTMENT.
27. CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF THE CIVIL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SUBCONTRACTORS BEFORE WORK IS STARTED.
28. ALL WORK SHALL CONFORM TO FBC 2017

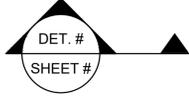
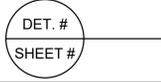
### BUILDING DEPARTMENT NOTES - (CONT.)

29. ALL DIMENSIONS AND CONDITIONS MUST BE CHECKED AND VERIFIED AT THE JOB SITE. DO NOT SCALE PRINTS. IF THERE IS ANY QUESTION REGARDING LACK OF DIMENSIONS, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IMMEDIATELY AND THE INFORMATION WILL BE PROVIDED.
30. CONTRACTORS SHALL PROVIDE ALL SHORING, BRACING, BARRICADES, ETC. TO ACCOMPLISH ALL THE WORK IN AN APPROVED MANNER.
31. GENERAL CONTRACTOR SHALL COORDINATE ALL ITEMS NOT IN HIS CONTRACT.
32. SEPARATE APPLICATIONS SHALL BE FILED FOR SIGNS.

### GENERAL NOTES:

1. LOCKING DEVICES FOR REQUIRED EXITS SHALL NOT REQUIRE THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OR EFFORT FROM INSIDE THE BUILDING. DOUBLE KEYED CYLINDER LOCKS ARE PROHIBITED.
2. EMERGENCY LIGHTING FIXTURES SHALL BE INSTALLED AND ARRANGED SO THAT THE PATH OF TRAVEL IS ILLUMINATED, BUT THAT LIGHT DOES NOT SHINE IN THE FACE OF PERSONS APPROACHING THE EXIT.
- 3a. PROVIDE FIRE EXTINGUISHERS PER CODE. VERIFY THE TYPE, SIZE AND LOCATION OF FIRE EXTINGUISHERS WITH THE FIRE INSPECTOR PRIOR TO THE ISSUANCE OF THE C.O..
- 3b. FIRE EXTINGUISHERS SHALL BE INSPECTED AND TAGGED BY A STATE CERTIFIED FIRE EXTINGUISHER COMPANY. UFRS 4A-21
4. PROVIDE FIRE EXTINGUISHERS HAVING A MINIMUM RATING OF 2A-10BC FOR EVERY 3000 SQ. FT. OF FLOOR AREA. TRAVEL DISTANCE TO AN EXTINGUISHER SHALL NOT EXCEED 75 FEET. ALL EXTINGUISHERS SHALL BE CONSPICUOUSLY LOCATED AND READILY ACCESSIBLE. THE TOP OF THE EXTINGUISHER SHALL NOT BE MORE THAN 5 FEET ABOVE THE FLOOR AND THE BOTTOM OF THE EXTINGUISHER SHALL NOT BE LESS THAN 36 INCHES FROM THE FLOOR. THE FIRE EXTINGUISHER SHALL NOT PROTRUDE OUT FROM THE WALL MORE THAN 4 INCHES. NFPA 10
5. MEANS OF EGRESS SHALL BE ARRANGED AND MAINTAINED TO PROVIDE AN UNOBSTRUCTED PATH OF EGRESS FROM ALL PARTS OF THE BUILDING OR STRUCTURE AT ALL TIMES WHEN IT IS OCCUPIED.
6. ALL DOORS SHALL HAVE LEVER OR OTHER APPROVED TYPE HARDWARE PER THE ACCESSIBILITY CODE AND APPROVED BY THE CLIENT.
7. ALL DOORS THAT ARE EQUIPPED WITH CLOSURES SHALL COMPLY WITH THE OPENING FORCES SPECIFIED IN THE ACCESSIBILITY CODE; EXTERIOR DOORS 8.5 POUNDS/FOOT MAX., INTERIOR DOORS 5 POUNDS/FOOT MAX.
8. ALL DOORS TO BE KEYED ALIKE.
9. PROVIDE WALL DOOR STOPS WHERE REQUIRED.
10. LOCKING DEVICES ON EXIT DOORS SHALL BE DIRECT ACTING REQUIRING NO MORE THAN A SINGLE MOTION TO UNLATCH THE DOOR.
11. A LATCH OR OTHER FASTENING DEVICE SHALL BE PROVIDED WITH ONLY ONE KNOB, HANDLE, PANIC BAR OR OTHER TYPE OF RELEASING DEVICE. DOORS SHALL BE OPEN ABLE BY NO MORE THAN ONE SUCH DEVICE. SIMPLE
12. THE CONTRACTOR IS RESPONSIBLE FOR ALL SITE SAFETY PROVISIONS AND MEASURES DURING CONSTRUCTION. THE ARCHITECTS SHALL BE HELD HARMLESS FROM ANY CLAIM OR LIABILITY FROM INJURY OR LOSS FROM FAILURE TO SITE SAFETY RESPONSIBILITY. EXERCISE
13. CONTRACTOR IS TO PATCH ALL FIREWALLS AS REQUIRED WHETHER BY NEW CONSTRUCTION OR EXISTING CONDITIONS.

## GENERAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	WALL MOUNTED FIRE EXTINGUISHER
D.S. 	DOWN SPOUT
	BUILDING SECTION
	ELEVATION SYMBOL
	WALL SECTION / DETAILS
	WINDOW SYMBOL
	DOOR SYMBOL
	WALL PARTITION SYMBOL
	PLAN NOTE
DRAWING #  DETAIL #	INTERIOR ELEVATION SYMBOL

## GENERAL ABBREVIATION LIST

ACT	ACOUSTIC CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
BM	BEAM
CLG	CEILING
CONC	CONCRETE
CLR	CLEAR
EQ	EQUAL
FC	FIXTURE CONTRACTOR
FIN	FINISH
FL	FLOOR
FF	FACE OF FINISH
FS	FACE OF STUD
FV	FIELD VERIFY
GA	GAUGE
GC	GENERAL CONTRACTOR
GWB	GYPSON WALL BOARD
HM	HOLLOW METAL
HGT	HEIGHT
MIN	MINIMUM
MTL	METAL
M.O	MASONRY OPENING
OC	ON CENTER
PL	PLASTIC LAMINATE
REFL	REFLECTED
SST	STAINLESS STEEL
STL	STEEL
STRUCT	STRUCTURE/STRUCTURAL
SIM	SIMILAR
SUSP	SUSPENDED
TBD	TO BE DETERMINED
TEMP	TEMPORARY
T&G	TONGUE AND GROOVE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
VCT	VINYL COMPOSITION TILE
W/	WITH
WD	WOOD

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**General Notes**

LOI PHARMACY  
 SUITE 102 CLERMONT, FL

Job No.  
19-305

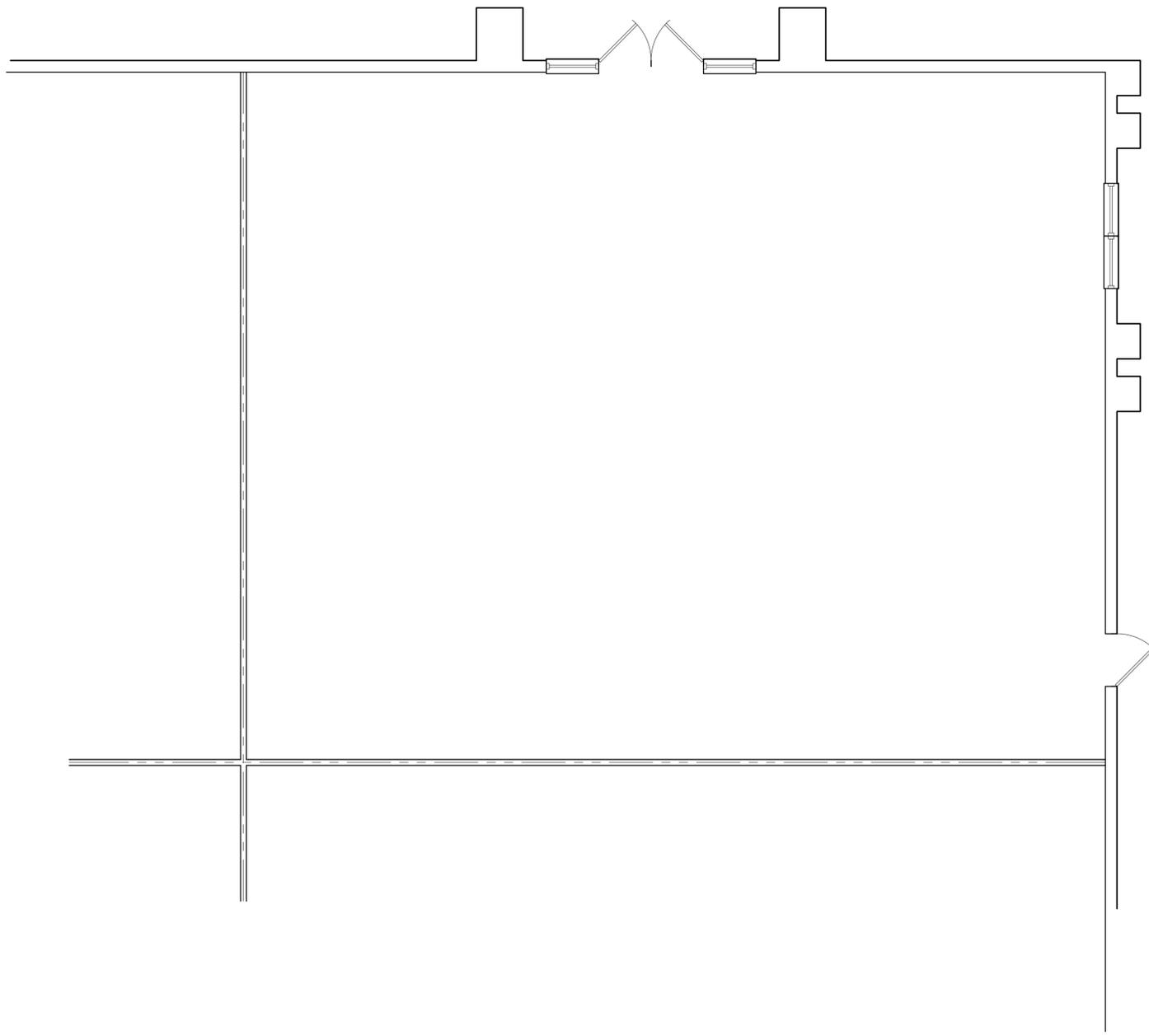
Drawn By:  
R.G

Date:  
11.02.19

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

GN

ALBERTO GUIDA P.E.  
 LIC. 74000 FL.



**EXISTING PLAN**

SCALE 1"=1/4"

TOTAL SF: \_\_\_\_\_ 2000 SF

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**EXISTING FLOOR PLAN**

LOI PHARMACY  
 SUITE 102 CLERMONT, FL

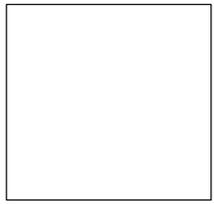
Job No.  
19-305

Drawn By:  
R.G

Date:  
11.02.19

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

**EP**

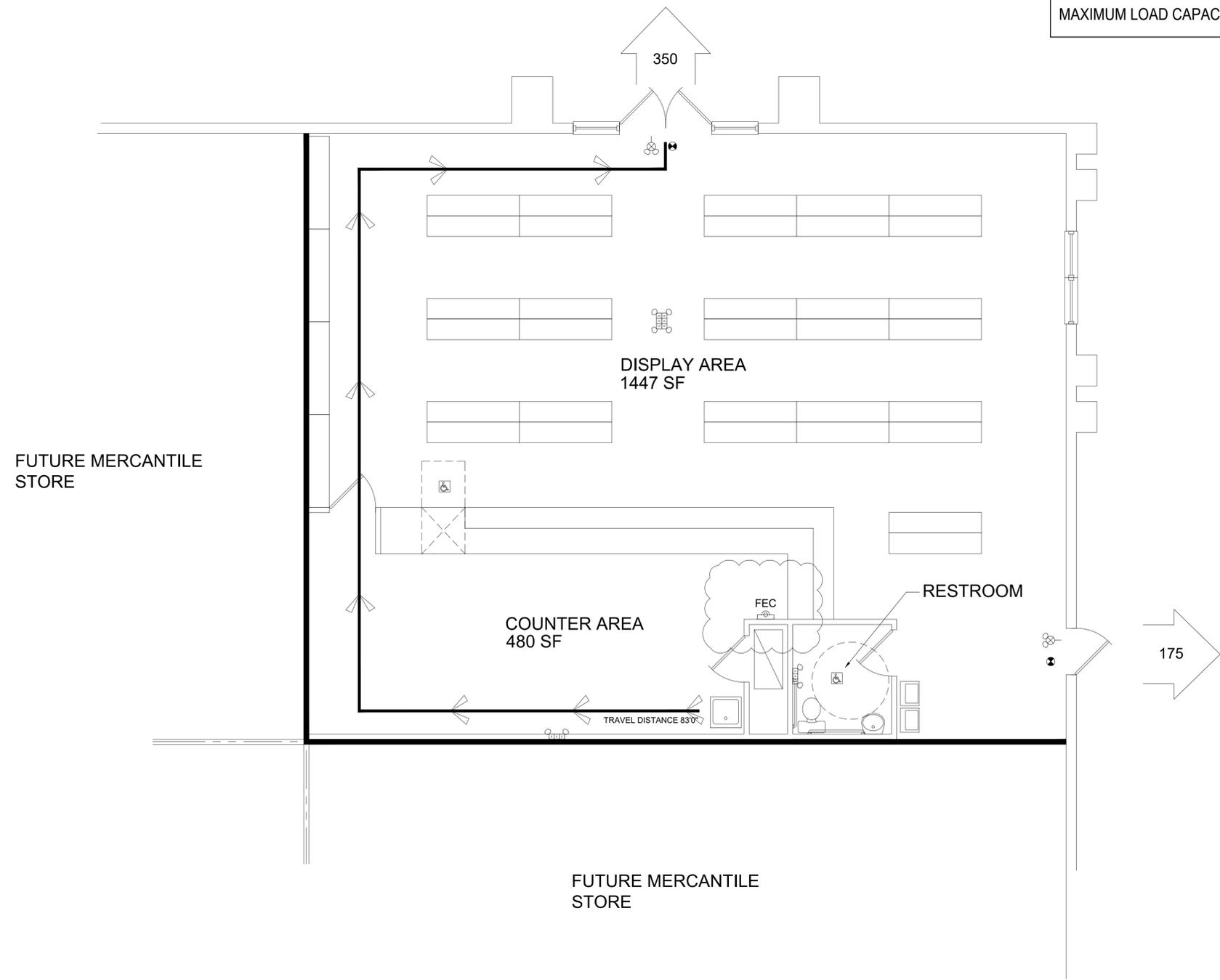


**ALBERTO GUIDA P.E.  
 LIC. 74000 FL.**

MAXIMUM TRAVEL DISTANCE 29'4"

TOTAL SF: \_\_\_\_\_ 2000 SF  
 MAXIMUM LOAD CAPACITY 33

MAXIMUM TRAVEL DISTANCE - 150'-0"  
 MAXIMUM DEAD END CORRIDOR - 20'-0"  
 MINIMUM AISLE WIDTH - 44 INCHES  
 NOTE:  
 FIRE EXTINGUISHERS TO HAVE MINIMUM RATING OF A 2-A, 40-BC FOR EVERY 3000 SQ. FT. OF FLOOR AREA. TRAVEL DISTANCE SHALL NOT EXCEED 75 FEET. ALL EXTINGUISHERS SHALL BE CONSPICUOUSLY AND READILY LOCATED. THE TOP OF THE EXTINGUISHER SHALL NOT BE MORE THAN 5 FEET ABOVE FLOOR AND THE BOTTOM SHALL BE LESS THAN 4" FROM THE FLOOR. (TYP.)



LIFE SAFETY LEGEND		
SYMBOL	DESCRIPTION	MOUNTING
	12"x12" RECESSED EMERGENCY LIGHT W/ BATTERY BACK-UP	
	EXIT LIGHT W/ LED LAMPS & BATTERY BACK-UP (SHADED QUADRANT) INDICATES FACE(S) OF FIXTURE(S)	
	EMERGENCY EGRESS LIGHTS W/ BATTERY BACK-UP	

	FIRE EXTINGUISHER CABINET WALL MOUNTED FIRE RATED CASE	SEE NOTE
	INDICATES ONE (1) HOUR FIRE RATED WALL PARTITION (EXISTING).	
	EXIT CAPACITY	

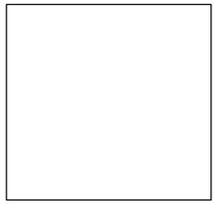
**LIFE SAFETY PLAN**  
 SCALE 1'=<sup>3</sup>/<sub>16</sub>"

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**LIFE SAFETY PLAN**  
 LOI PHARMACY  
 SUITE 102 CLERMONT, FL

Job No.  
19-305  
 Drawn By:  
R.G  
 Date:  
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1/4"=1'-0"

**LS**



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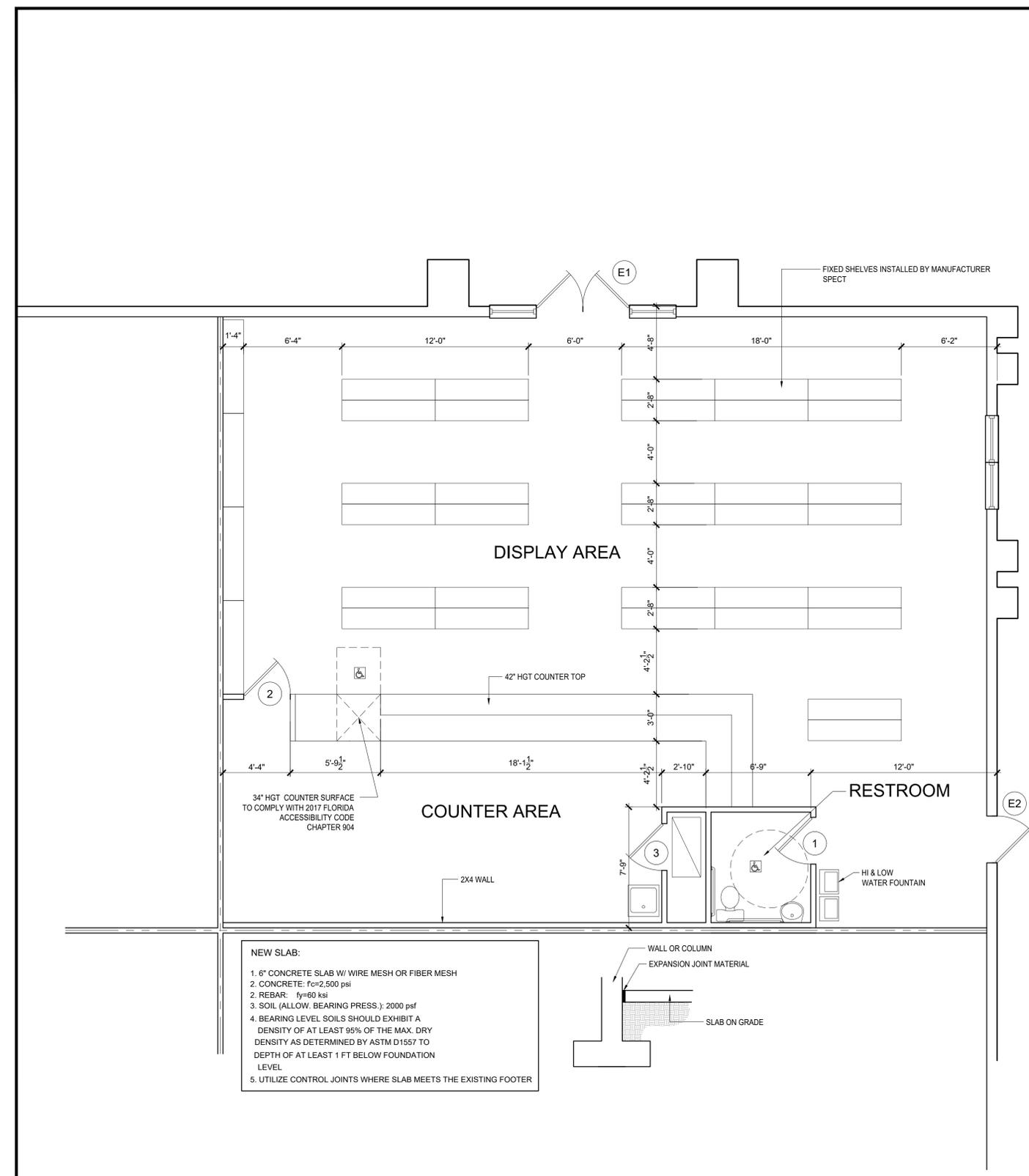
**FLOOR PLAN**  
 LOI PHARMACY  
 SUITE 102 CLERMONT, FL

Job No.  
19-305  
 Drawn By:  
R.G  
 Date:  
11.02.19  
 Scale:  
1/4"=1'-0"

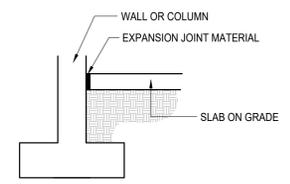
**A1**

**ALBERTO GUIDA P.E.**  
**LIC. 74000 FL.**

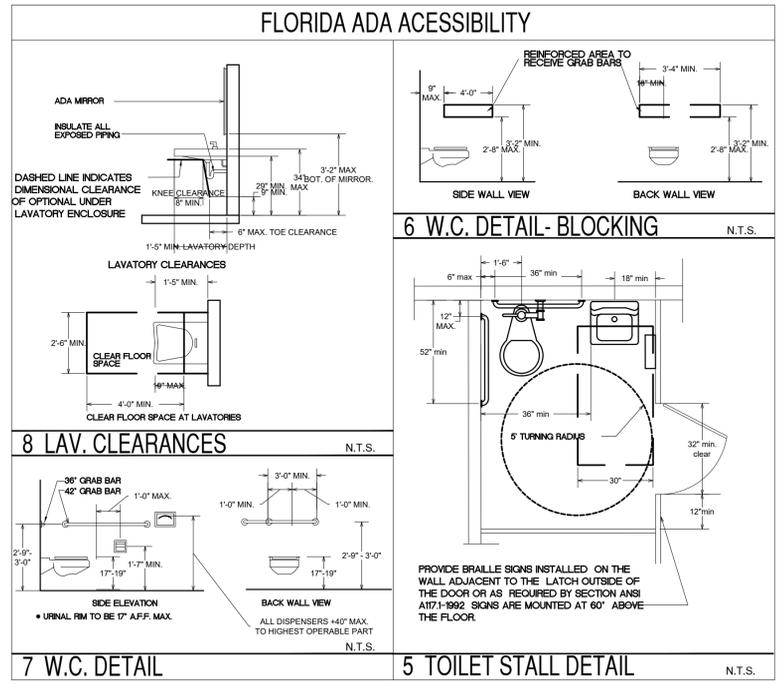
WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. Contractors shall verify and be responsible for dimensions and conditions of the job and BIGDesign. must be notified in writing of any variation from the dimensions, conditions and specifications appearing on these plans.



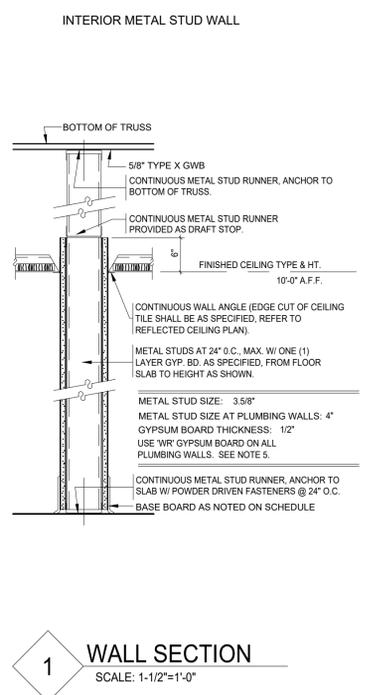
- NEW SLAB:**
1. 6" CONCRETE SLAB W/ WIRE MESH OR FIBER MESH
  2. CONCRETE: f<sub>c</sub>=2,500 psi
  3. SOIL (ALLOW. BEARING PRESS.): 2000 psf
  4. BEARING LEVEL SOILS SHOULD EXHIBIT A DENSITY OF AT LEAST 95% OF THE MAX. DRY DENSITY AS DETERMINED BY ASTM D1557 TO DEPTH OF AT LEAST 1 FT BELOW FOUNDATION LEVEL
  5. UTILIZE CONTROL JOINTS WHERE SLAB MEETS THE EXISTING FOOTER



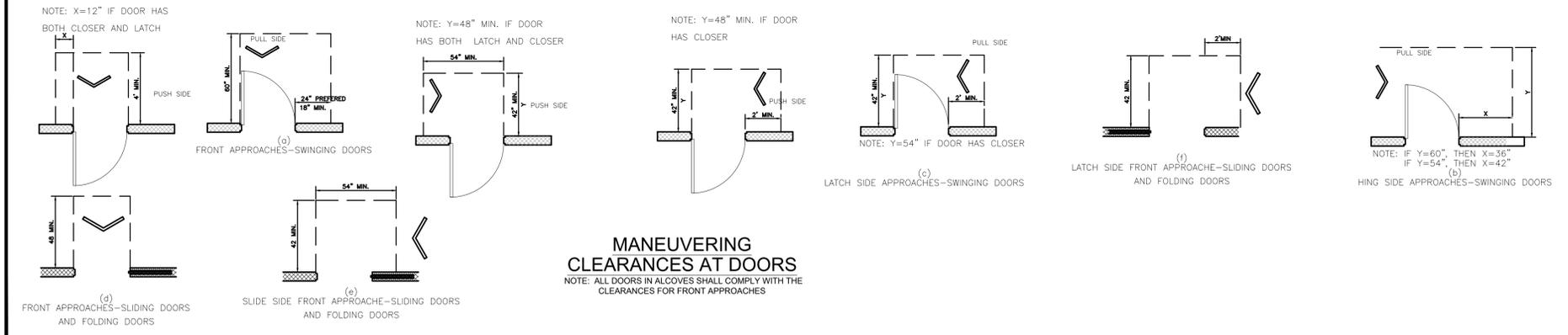
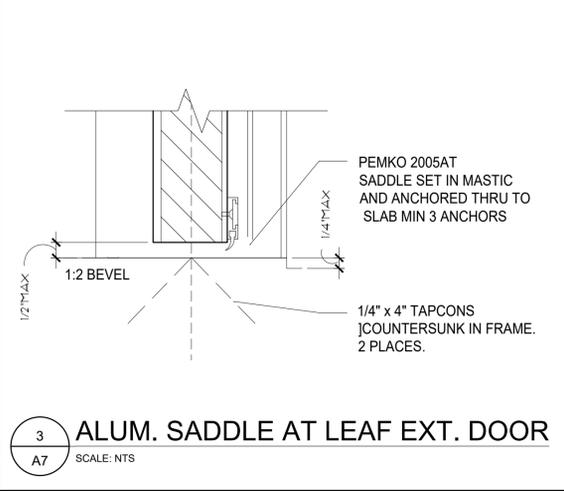
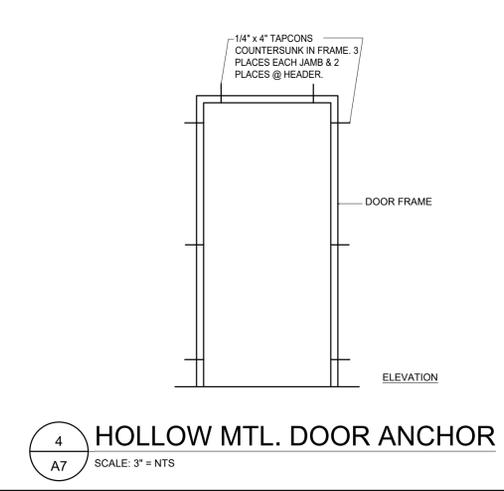
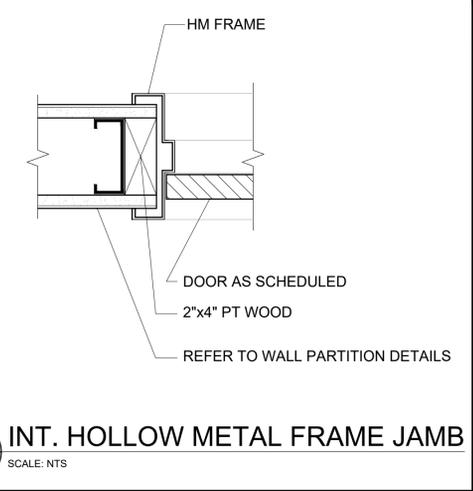
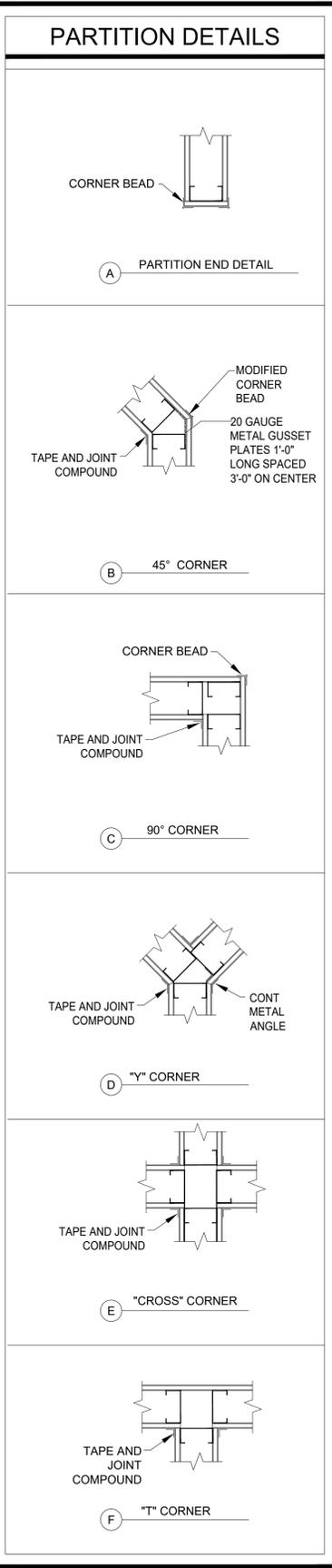
**FLOOR PLAN**  
 SCALE 1"=3/16"



THIS DRAWING IS INTENDED FOR ADA INFORMATION ONLY. NOT FOR CONSTRUCTION.



- GENERAL NOTES**
- EXTEND ALL PARTITIONS TO UNDERSIDE OF CONSTRUCTION ABOVE UNO.
  - STAGGER ALL GWB JOINTS.
  - S.T.C. RATED PARTITIONS TO HAVE SOUND ATTENUATION BLANKETS OR BATTS, SEAL PERIMETER OF PARTITION WITH ACOUSTICAL SEALANT.
  - SEAL AROUND ALL DUCTS, PIPES, ETC. PENETRATIONS THROUGH SOUND RATED PARTITIONS WITH CONTINUOUS ACOUSTICAL SEALANT AND SOUND ATTENUATION BLANKETS.
  - GYPSON WALL BOARD IN WET AREAS SHALL BE MOISTURE RESISTANT (WR).
  - PROVIDE SHEET METAL PLATE REINFORCING IN WALLS FOR SUPPORT OF ALL WALL HUNG RAILINGS, BRACKETS, FIXTURES, DOOR STOPS, AND OTHER ACCESSORIES.
  - PROVIDE ONE OF THE FOLLOWING TYPES OF WALL BRACING:
    - TYPE I  
CUT FROM THE STEEL RUNNERS, INSIDE WIDTH OF THE PARTITION; FASTENED TO STUDS AT 48" OC EACH WAY.
    - TYPE II  
CUT FROM GYPSUM WALL BOARD, INSIDE WIDTH OF PARTITION X 12 1/2" LONG; FASTENED TO STUDS AT 48" OC EACH WAY.
  - STUD WALLS EXCEEDING 12' IN HEIGHT WITH GWB ON ONE SIDE ONLY, REQUIRES MID-HEIGHT ANCHORAGE OR DIAGONAL BRACING.
  - SEE MECHANICAL DRAWINGS FOR THE SIZE AND LOCATION OF RETURN AIR OPENINGS IN PARTITIONS ABOVE THE SUSPENDED CEILINGS.
  - LIMITING HEIGHTS OF STEEL STUD ASSEMBLIES:
    - 25 GAUGE  
3 5/8" STUD AT 24" OC, MAX 13'-6"
    - 20 GAUGE  
2 1/2" STUD AT 16" OC, MAX 16'-0"
    - 2 1/2" STUD AT 24" OC, MAX 15'-6"
    - 3 5/8" STUD AT 16" OC, MAX 23'-6"
    - 3 5/8" STUD AT 24" OC, MAX 20'-0"
    - 18 GAUGE  
3 5/8" STUD AT 16" OC, MAX 23'-6"



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**PARTITION WALLS**  
LOI PHARMACY  
SUITE 102 CLERMONT, FL

Job No. 19-305  
Drawn By: R.G  
Date: 11.02.19  
Scale: 1/4"=1'-0"

**A2**

**ALBERTO GUIDA P.E.**  
LIC. 74000 FL.

**DOOR SCHEDULE**

DOOR #	SIZE	THKNS	TYPE	MATL.	FRAME	RATED	HARDWARE TYPE	REMARKS	HDWR	JAMB TYPE
1	3'-0"X6'-8"	1 3/4"	NO RATING	WD	SCWD	NO		FLUSH	SET 4	2
2	3'-0"X3'-0"	1 3/4"	NO RATING	WD	SCWD	NO		FLUSH	SET 4	2
3	3'-0"X6'-8"	1 3/4"	NO RATING	WD	SCWD	NO		LOUVER	SET 7	2
E1	2-3'-0"X6'-8"	1 3/4"	NO RATING	ALUM/GL	ALUMINUM	NO		FULL VISION	SET 1	2
E2	3'-0"X6'-8"	1 3/4"	NO RATING	SCWD	SCWD	NO		FLUSH	SET 2	2

LEGEND  
 SCWD- SOLID CORE WOOD DOOR  
 HM - HOLLOW METAL

**NOTES:**

- ALL DOORS TO BE LEVER TYPE AS PER ACCESSIBILITY CODE AND APPROVED BY CLIENT
- ALL DOORS TO BE KEYPED ALIKE AS PER OWNERS REQUIREMENTS. PROVIDE MASTERKEY AND CONSTRUCTION KEY.
- ALL DOORS THAT HAVE CLOSERS ARE TO BE PER FLORIDA ACCESSIBILITY CODE.
- ACCESS TO EXITS SHALL BE MARKED BY APPROVED READILY VISIBLE SIGNS.
- EMERGENCY LIGHTING FIXTURES SHALL BE INSTALLED AND ARRANGED SO THAT THE PATH OF TRAVEL IS ILLUMINATED, BUT LIGHTING DOES NOT SHINE INTO THE FACE OF PERSONS APPROACHING THE EXIT.
- LOCKING DEVICES ON EXIT DOORS SHALL BE DIRECT ACTING REQUIRING NO MORE THAN ONE MOTION
- PROVIDE WALL DOOR STOPS WHERE REQUIRED.
- ALL EMERGENCY DOORS TO BE SINGLE ACTING.
- ALL WOOD DOORS TO BE SOLID CORE PARTICLE CORE ROTARY CUT, STAIN GRADE, COLOR TO BE BIRCH.
- A LATCH OR OTHER FASTENING DEVICE SHALL BE PROVIDED W/ ONLY ONE KNOB, HANDLE, PANIC BAR OR OTHER SIMPLE TYPE OF RELEASING DEVICE. DOORS SHALL BE OPERABLE W/NO MORE THAN ONE RELEASING DEVICE.
- HOLLOW METAL DOORS TO BE GALVANIZED A-60 STEEL RIBBED CONSTRUCTION. DOOR FRAME TO BE GALVANIZED A-60 PRIMED AND PAINTED. INSIDE OF DOOR FRAMES AND UNDERSIDE OF BOTTOM RAIL OF HOLLOW METAL DOORS TO BE SPRAYED W/ AUTOMOTIVE SPRAY UNDERCOATING
- ALL EXTERIOR DOORS TO BE INSULATED AND HAVE THRESHOLD AND WEATHER STRIPPING.
- PROVIDE KICK PLATES ON PUSH SIDE OF ALL DOORS- FINISH 26D
- ALL DOORS TO HAVE 3 HINGES PER LEAF. EXCEPTION: 8'-0" HIGH DOORS TO HAVE 4 HINGES PER LEAF.

**HARDWARE SCHEDULE**

- SET 1. PANIC DEVICE/DR. CLOSER KEYPED LOCKSET FOR ENTRY DOORS  
 SET 2. PRIVACY LOCKSET WITH LEVER TYPE HANDLE W/ DOOR CLOSURE  
 SET 3. LEVER TYPE CLOSET FUNCTION W/ DOOR CLOSURE  
 SET 4. LEVER TYPE OFFICE LOCKSET W/ DOOR CLOSURE  
 SET 5. PASSAGE FUNCTION  
 SET 6. PUSH/PULL W/ KICK PLATES BOTH SIDES / DOOR CLOSER  
 SET 7. LEVER TYPE STORE ROOM LOCKSET  
 SET 8. OFFICE FUNCTION LEVER HANDLE

**LOCKSETS**

SCHLAGE: GRADE 2  
 BEST: GARDE 2  
 MARKS: GRADE 2  
 CORB/RUSS: GARDE 2

**LEVERS**

AL SERIES  
 73K SERIES  
 170/270 SERIES  
 CL3600 SERIES

**DOOR CLOSERS:**

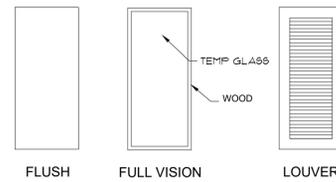
LCN 4000 SERIES REGULAR, PARALLEL ARM, HOLD OPEN, ETC  
 1400 SERIES REGULAR, PARALLEL ARM, HOLD OPEN, CUSH, ETC  
 CORB/RUSS DC2200 SERIES SAME AS ABOVE  
 DC3200 SERIES SAME AS ABOVE

**EXIT DEVICES**

PRECISION : APEX SERIES  
 VON DUPRIN : 99 SERIES

HINGES - HAGER - FIVE	KNUCKLE	STANDARD	HEAVY WEIGHT
STAINLESS, BRASS OR BRONZE PLAIN BEARING	1191	1199	
	BALL BEARING	BB1191	BB1199

**DOOR TYPES**



**FINISH AND MATERIAL NOTES**

**FINISHES:**

- INSTALLATION OF ALL FINISH MATERIALS SHALL BE ACCORDING TO THE MANUFACTURERS' RECOMMENDED USE AND METHOD OF INSTALLATION FOR EACH PRODUCT TO ACHIEVE THE INTENDED PURPOSE AND RESULT.
- UPON COMPLETION OF WORK IN EACH AREA, REMOVE FROM THE SITE ALL SURPLUS PRODUCTS, RUBBISH AND DEBRIS RESULTING FROM THE OPERATIONS, INCLUDING EQUIPMENT AND IMPLEMENTS, DUST, OIL, STAINS, FINGERPRINTS AND LABELS.
- ALL MATERIALS OF ONE TYPE OR ONE COLOR OR PATTERN SHALL BE OF THE SAME DYE LOT ON THE PROJECT.
- PRIOR TO INSTALLATION, THE FLOORING CONTRACTOR SHALL INSPECT THE PRODUCTS TO INSURE THAT THEY ARE OF THE PROPER TYPE AND IN PROPER CONDITION.
- THE FLOORING CONTRACTOR SHALL FURNISH TO THE CLIENT THE MFR'S WRITTEN MAINTENANCE INSTRUCTIONS FOR EACH TYPE OF MATERIAL INSTALLED.
- IT IS THE FLOORING CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL SURFACES TO RECEIVE FLOOR COVERING SHALL BE SMOOTH, EVEN AND FREE OF DEFECTS. SURFACES NOT MEETING ADEQUATE SUBSTRATE CONDITIONS SHALL BE REPAIRED.
- CARPET SEAMS SHALL NOT OCCUR AT DOORWAYS OR PERPENDICULAR TO DOORS. CARPETS TERMINATING AT DOORWAYS SHALL HAVE EDGES DIRECTLY UNDER DOOR CENTERLINES. DOORS SWINGING OVER CARPETED AREAS SHALL FULLY CLEAR THE CARPET.
- SHOULD MORE THAN ONE RUN OF CARPET BE REQUIRED, EACH RUN SHALL MATCH AND BE FROM THE SAME DYE LOT.
- DO NOT CUT THE METAL TRANSITION STRIP BETWEEN TILE AND CARPET AT CORNERS. CLIP THE METAL STRIP ON THE INSIDE BOTTOM SO THAT THE STRIP CAN BE BENT AROUND CORNERS.
- THE CARPET BASE WILL BE INSTALLED WITH NO SEAMS EXCEPT AT CORNERS. ATTACH BASE TO WALL WITH GLUE AND 1/4" CROWN, 1" LONG STAPLES.

**WATER ABSORPTION:**

- LEVEL OF POROSITY:  
 - IMPERVIOUS - .5% OR LESS (PORCELAIN BODIED TILE)  
 - VITREOUS - > .5% BUT < 3.0% (RAM PRESSED PAVER, PRESSED UNGLAZED PAVERS)  
 - SEMI-VITREOUS - > 3.0% BUT < 7.0% (QUARRY TILE)  
 - NON-VITREOUS - > 7.0% - (WALL TILE, SALTILLO TILE)

**PEI (PORCELAIN ENAMEL INSTITUTE):**

ABRASION RESISTANCE TEST RATINGS ARE ASSIGNED BASED ON WHEN VISUAL ABRASION OCCURS, USING A NUMBERING SYSTEM.  
 3 OR HIGHER IS RECOMMENDED FOR COMMERCIAL FLOORS.

**SLIP RESISTANCE:**

OSHA - .50 WET AND DRY  
 CERAMIC TILE INSTITUTE OF AMERICA - .60 WET AND DRY  
 AMERICAN WITH DISABILITY ACT (ADA) - A STATIC COEFFICIENT OF FRICTION OF .60 FOR ACCESSIBLE ROUTES AND .80 FOR RAMPS.

**CONTRACTOR IS TO FOLLOW THE FOLLOWING GUIDELINES:**

ANSI A137.1 SPECIFICATIONS FOR MANUFACTURING TILE  
 ANSI A108/118/136 SPECIFICATIONS FOR INSTALLING TILE  
 ASTM TESTING METHODS OF TILE  
 TILE COUNCIL OF AMERICA HANDBOOK  
 HANDBOOK FOR CERAMIC TILE INSTALLATION

**MATERIALS:**

USE TYPE AND BRANDS OF PAINT, VARNISH, STAINS, ETC. SPECIFIED USE ONLY HIGH QUALITY BASIC PAINTING MATERIALS SUCH AS LINSEED OIL, SHELLAC, TURPENTINE, THINNERS DRYERS ETC. ALL OF WHICH MUST BE IN THE CONTAINERS BEARING THE MANUFACTURER'S LABEL IDENTIFYING THE PARTICULAR PRODUCT. ALL PRIMERS AND FINISH PAINTS SHALL CONTAIN FUNGICIDES. DELIVER ALL PAINT MATERIALS TO THE JOBSITE IN CLEAN, NEW, SEALED, MANUFACTURER'S CONTAINERS CLEARLY LABELED AS TO THE MANUFACTURER, BRAND TYPE, AND COLOR AND INSTRUCTIONS FOR REDUCING. JOB MIZING OF PAINTS WILL BE MINIMIZED AND LIMITED TO THAT SPECIFICALLY APPROVED BY THE ARCHITECT.

**EXTERIOR FINISHES:**

- CONCRETE MASONRY UNITS/CONCRETE/STUCCO:ELASTOMERIC MINIMUM 2 COATS.
- WOOD TRIM:1ST AND 2ND COATS RICH SHIELD ALKYD WOOD PRIMER #670 3RD COAT RICH SHIELD PREMIUM SATIN ACRYLIC #640
- EXPOSED FERROUS METALS:1ST COAT: RUST SHIELD QUICK DRY RUST INHIBITIVE PRIMER #1615 2ND COAT RICH SHIELD PREMIUM GLOSS ACRYLIC #650
- GALVANIZED METAL:1ST COAT XYLENE WIPED CLEAN 2ND COAT: RUST SHIELD ZINC CHROMATE PRIMER #1017 3RD COAT: RICH SHIELD PREMIUM GLOSS ACRYLIC #650

**INTERIOR FINISHES:**

- GYPSON WALLBOARD:1ST COAT LATEX MODIFIED DRY-WALL PRIMER/SEALER #SR-1250.
- GYPSON WALLBOARD (RECEIVING WALLCOVERING:1ST COAT ALKYD ENAMEL UNDERCOATER #15
- WOOD DOORS:FINISH ALL EXPOSED EDGES WITH 3 COATS OF LATEX SEMI-GLOSS.
- METAL DOOR FRAMES:1ST COAT: RUST SHIELD QUICK DRY RUST INHIBITIVE PRIMER #1615 2ND AND 3RD COATS: RICH WALL ALKYD EGGSHELL ENAMEL #620
- SURFACES BEHIND GRILLES, LOUVERS AND SCREEN VENTS:1SR COAT: ULTRA FLAT BLACK VINYL ACRYLIC WALL PAINT #6-3504

**FLAME SPREAD RATING - UNSPRINKLED:**

EXITS - A  
 EXIT ACCESS - A  
 OTHER SPACES - B

**PAINTING:**

AS A STANDARD OF KNOWN QUALITY AND FOR CONVENIENCE OF DESCRIPTION, PAINTING MATERIALS MANUFACTURED BY RICHARD'S PAINTS ARE REFERRED TO IN THESE SPECIFICATIONS ON THE DRAWINGS AND SCHEDULES. SIMILAR MATERIALS BY BENJAMIN MOORE, PRATT AND LAMBERT, DEVCO, SHERWIN WILLIAMS MAY BE APPROVED FOR SUBSTITUTION PROVIDING AN ITEMIZED LIST OF PRODUCTS AND LOCATIONS TO BE APPLIED AND APPROVED BY THE ARCHITECT.

COLOR SAMPLES OF EACH COLOR CALLED FOR SHALL BE MADE IN DUPLICATE ON SHEET MATERIAL 9" X 12" IN SIZE FOR REVIEW AND APPROVED BY ARCHITECT FOLLOWING WHICH ONE SET OF APPROVED COLOR SAMPLES WILL BE KEPT ON THE JOB SITE FOR CONVENIENT VERIFICATION OF COLOR MIXES.

INCLUDE ALL EXTERIOR SURFACES, GENERALLY, EXCEPT THOSE SPECIFICALLY EXCLUDED FROM PAINTING AND THOSE SPECIFICALLY DESIGNATED TO RECEIVE OTHER COATINGS. REFER TO DRAWINGS AND SCHEDULES.

INCLUDE ALL INTERIOR SURFACES, GENERALLY, INCLUDING PRIMING AND WOODWORK, INTERIOR PLASTER, CONCRETE BLOCK, EXPOSED PIPING, CONDUIT, ELECTRICAL AND OTHER ITEMS NORMALLY REQUIRING PAINTING TO BE FINISHED. FERROUS METALS HIDDEN FROM VIEW REQUIRE ONLY PRIME COATS.

**NOTE**

ALL TILE HEIGHT IS 4'-6" A.F.F. EXCEPT BEHIND MIRRORS

**ABBREVIATIONS**

TPD TOILET PAPER DISPENSER  
 PTD PAPER TOWEL DISPENSER  
 EWC ELECTRIC WATER COOLER  
 GB GRAB BAR

THE AMERICANS WITH DISABILITIES ACT OF 1990 PROHIBITS DISCRIMINATION ON THE BASIS OF DISABILITY BY PUBLIC ACCOMMODATIONS AND REQUIRES PLACES OF PUBLIC ACCOMMODATION AND COMMERCIAL FACILITIES TO BE DESIGNED CONSTRUCTED AND ALTERED IN COMPLIANCE WITH THE ACCESSIBILITY STANDARDS ESTABLISHED BY THE AMERICANS WITH DISABILITIES ACT. THE DESIGN PROFESSIONAL HAS USED HIS OR HER REASONABLE PROFESSIONAL EFFORTS TO INTERPRET THE REQUIREMENTS OF THE ADA AND OTHER FEDERAL, STATE AND LOCAL LAWS, CODES AND RULES THAT MAY APPLY TO THIS PROJECT. THE DESIGN PROFESSIONAL CANNOT GUARANTEE THAT THE CLIENT'S PROJECT WILL COMPLY WITH INTERPRETATIONS OF THESE LAWS AND REGULATIONS AS ENFORCED BY THE LOCAL AUTHORITIES. NOTE: PLACES OF WORSHIP ARE EXEMPT FROM ADA REQUIREMENTS.

**ROOM FINISH SCHEDULE**

NO	ROOM	FLOOR	BASE				WALLS				CEILING				REMARK	
			CARPET	LAMINATE	CERAMIC TILE	WOOD	1HR FIRE RATED GYP BOARD	PAINT	CONC. BLOCK	VINYL	2HR FIRE RATED CURTAIN WALL	ACOUSTICAL TILE	PAINT	CONCRETE		DRYWALL
1	RESTROOM															
2	DISPLAY AREA															
3	COUNTER AREA															
4																
5																
6																
7																
8																

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FINISH SCHEDULE  
 LOI PHARMACY  
 SUITE 102 CLERMONT, FL

Job No.  
19-305

Drawn By:  
R.G

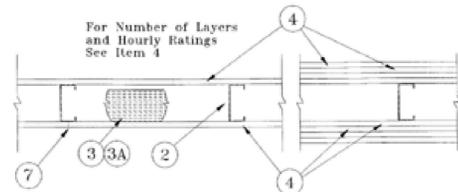
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11.02.19

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

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ALBERTO GUIDA P.E.  
 LIC. 74000 FL.

**Design No. U419**  
**Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 3 & 4)**



1. **Floor and Ceiling Runners** — (Not shown) — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.
2. **Steel Studs** — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width as indicated under Item 4, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
3. **Batts and Blankets\*** — (Required as indicated under Item 4) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 4. See **Batts and Blankets (BKNV or BZJZ) Categories** for names of Classified companies.
- 3A. **Batts and Blankets\*** — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See **Batts and Blankets (BKNV or BZJZ) Categories** for names of Classified companies.
4. **Gypsum Board\*** — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

**Wallboard Protection on Each Side of Wall**

Rating	Min Stud Depth	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 3)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

**CANADIAN GYPSUM COMPANY** — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

**UNITED STATES GYPSUM CO** — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

**USG MEXICO S A D E C V** — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type

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AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 6B, Steel Framing Members\*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 3) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 5. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 5.

- 4A. **Gypsum Board\*** — (As an alternate to Item 4) — 5/8 in. thick, 2 ft. wide, tongue and groove edge, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 5. Joint covering (Item 7) not required.

**CANADIAN GYPSUM COMPANY** — Type SHX.

**UNITED STATES GYPSUM CO** — Type SHX.

**USG MEXICO S A D E C V** — Type SHX.

5. **Fasteners** — (Not shown) — Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 6). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. **Three-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. **Four-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

6. **Furring Channels** — (Optional, not shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 4A.

- 6A. **Steel Framing Members (Not Shown)\*** — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 6, furring channels and Steel Framing Members as described below:

- a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 5. Not for use with Item 4A.

- b. **Steel Framing Members\*** — Used to attach furring channels (Item 6Aa) to studs (Item 2). Clips spaced max. 48 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

**PAC INTERNATIONAL INC** — Type RSIC-1.

- 6B. **Steel Framing Members (Optional, Not Shown)\*** — As an alternate to Item 6, furring channels and Steel Framing Members on only one side of studs as described below:

- a. **Furring Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 4. Two layers of gypsum board attached to furring channels as described in Item 4. Not for use with Item 4A.

- b. **Steel Framing Members\*** — Used to attach furring channels (Item 6Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.

**KINETICS NOISE CONTROL INC** — Type Isomax

7. **Joint Tape and Compound** — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

8. **Siding, Brick or Stucco** — (Optional, not shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

9. **Caulking and Sealants\*** — (Optional, not shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

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UL DETAIL

LOI PHARMACY

SUITE 102 CLERMONT, FL

Job No.  
19-305

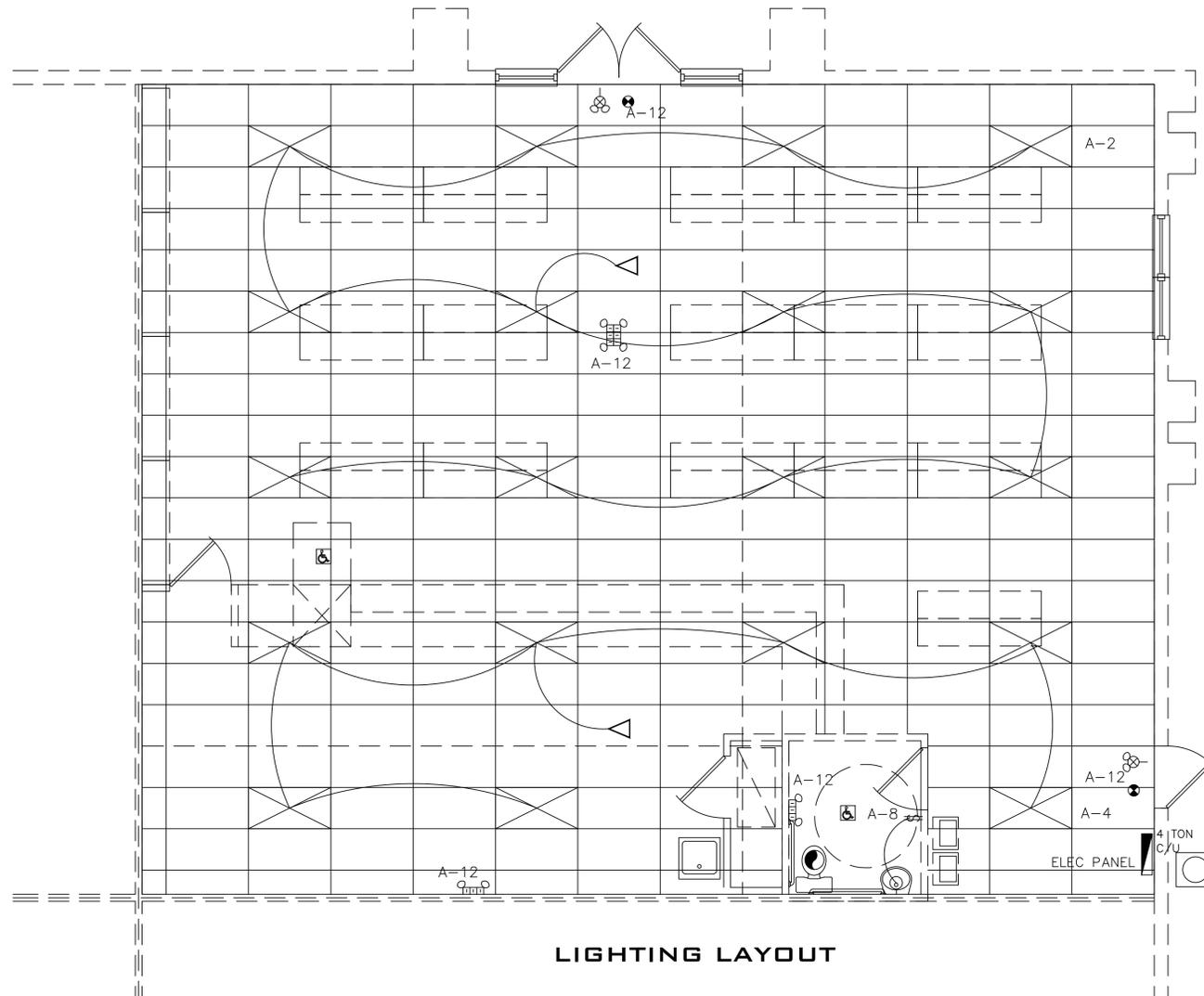
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R.G

Date:  
11.02.19

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

A4

**ALBERTO GUIDA P.E.**  
**LIC. 74000 FL.**



**LIGHTING LAYOUT**

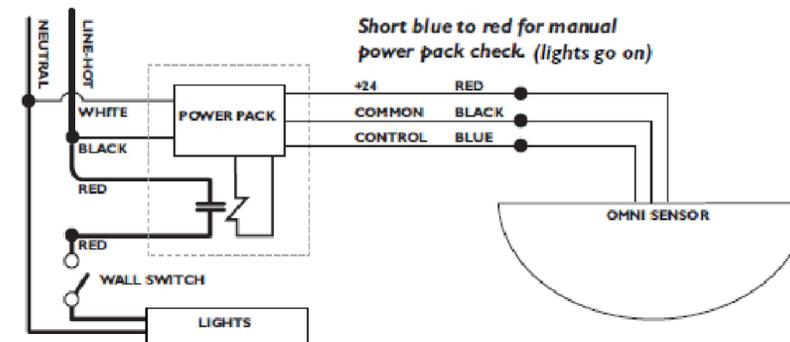
**ELECTRICAL GENERAL NOTES**

- ALL ELECTRICAL WORK SHALL BE INSTALLED IN A NEAT WORKMAN LIKE MANNER AND SHALL COMPLY WITH THE LATEST ADOPTED CODES, '2011 FLORIDA BUILDING CODE', 6TH EDITION, '2014 NATIONAL ELECTRIC CODE', 'LIFE SAFETY CODE', 'NFPA' AND 'AHJ' AND ANY OTHER APPLICABLE STATE LOCAL OR FEDERAL CODES, LAWS, ORDINANCES OR REGULATIONS.
- ALL MATERIAL INSTALLED SHALL BE 'UL' LISTED OR 'CLASSIFIED' AND APPROVED AND SHALL COMPLY WITH 'AHJ' FOR THE RESPECTIVE DISCIPLINE BEING INSTALLED. MATERIAL SHALL BEAR ALL THE REQUIRED LABELS AND HAVE AVAILABLE ALL SUPPORT DOCUMENTS. ALL SUPPORT DOCUMENTS SHALL BE READILY AVAILABLE AND BE PRESENTED WHEN REQUESTED BY THE 'AHJ', ARCHITECT / ENGINEER, LANDLORD OR TENANT.
- ALL LABOR AND MATERIALS INSTALLED SHALL BE COMPLETE, OPERABLE AND BE APPROVED BY THE 'AHJ', ARCHITECT / ENGINEER, LANDLORD OR TENANT. THE DRAWINGS ARE DIAGRAMMATIC AND CAN NOT SHOW ALL OF THE AFFURTENANCES THAT MAY BE REQUIRED. THE DRAWINGS INDICATE THE GENERAL DESIGN INTENT.
- CONTRACTOR SHALL PERFORM ALL REQUIRED TESTS, PRESENT ANY AND ALL DOCUMENTS FOR 'AHJ', ARCHITECT / ENGINEER, LANDLORD OR TENANT FOR APPROVAL.
- ALL PERMIT FEES, LICENSE FEES, TAXES, DISPOSAL FEES, DELIVERY FEES: SHALL BE INCLUDED IN THIS BID.
- CONTRACTOR SHALL WARRANTY ALL WORK INSTALLED FOR A PERIOD OF ONE (1) YEAR UPON FINAL COMPLETION, THE WARRANTY SHALL BEGIN ON THE DATE OF FINAL ACCEPTANCE BY THE ARCHITECT / ENGINEER, LANDLORD AND THE TENANT.
- UPON FINAL COMPLETION, CONTRACTOR SHALL PRESENT THE TENANT AND LANDLORD WITH A COMPLETE SET OF 'AS BUILT' DRAWINGS. DRAWINGS SHALL REFLECT ALL OF THE ALTERATIONS AND OR DEVIATIONS WHICH DIFFER FROM THESE DRAWINGS AND ACCURATELY INDICATE THE CONDITIONS AS INSTALLED. THE DRAWINGS SHALL BE CLEAR AND LEGIBLE.
- CONTRACTOR SHALL PROVIDE ALL WIRING, OUTLET BOXES, JUNCTION BOXES, SUPPORT SYSTEM, SUPPORT FASTENERS, DEVICES, CORDS, CAPS, CONNECTORS, COVER PLATES, FITTINGS, WIRING TERMINATIONS, FINAL CONNECTIONS TO KITCHEN EQUIPMENT, HVAC EQUIPMENT, PLUMBING EQUIPMENT, REFRIGERATION EQUIPMENT WITH ALL ASSOCIATED AFFURTENANCES REQUIRED AND ANY OTHER SPECIALTY EQUIPMENT SHOWN ON THE DRAWINGS. THE DESIGN INTENT IS TO PROVIDE COMPLETE, APPROVED AND OPERATING SYSTEMS.
- CONTRACTOR SHALL PROVIDE DISCONNECTS WITH PROPER CLEARANCES IN ACCORDANCE WITH 'NEC' TO ALL EQUIPMENT. REFER TO 'ALL DRAWINGS AND DRAWINGS NOTES AND DETAILS' FOR MOUNTING HEIGHTS AND ANY SPECIAL CONDITIONS.
- CONTRACTOR SHALL VERIFY AND LOCATE ALL STRUCTURAL MEMBERS PRIOR TO PERFORMING ANY SAW CUTTING OR BORING. CONTRACTOR SHALL NOT CUT OR BORE INTO ANY STRUCTURAL MEMBER, LINTEL, BEAM OR BUILDING FOOTING.
- CONTRACTOR SHALL REFER TO THE REFLECTED CEILING PLANS AND COORDINATE WITH THE TENANT AND ALL TRADES FOR ALL LIGHTING FIXTURE TYPES, FIXTURE LAMPS, VOLTAGES, ASSOCIATED AFFURTENANCES, MANUFACTURER, FINISHES, DELIVERY DATES, INSTALLATION METHODS AND BRANCH WIRING CONDITIONS SHOWN ON THE DRAWINGS. COORDINATE ALL LIGHTING FIXTURE INSTALLATIONS WITH OTHER TRADES IN ORDER TO AVOID CONFLICTS WITH THE INTENDED FINISHED CONDITION.
- ALL BATTERY OPERATED EXIT LIGHTS AND BATTERY PACKS SHALL BE CONNECTED TO THE LOCAL LIGHTING CIRCUIT AND CONNECTED AHEAD OF ALL SWITCHES. VERIFY EXACT MOUNTING HEIGHTS AND CONDITIONS PRIOR TO ROUGH-IN FOR FINAL MOUNTING HEIGHTS.
- CONTRACTOR SHALL SEAL ALL FLOOR, WALL, CEILING OR ROOF PENETRATIONS. METHOD SHALL BE AS REQUIRED BY CODE AND BE A 'UL' LISTED SYSTEM.
- ALL BRANCH WIRING AND FEEDER CONDUCTORS INDICATED ARE COPPER. THE MINIMUM BRANCH WIRING CONDUCTOR SIZE SHALL BE #12 AWG. 'MC' CABLE OR IN CONDUIT WITH GROUND CONDUCTOR. THE MINIMUM CONDUIT SIZE SHALL BE 1/2". WIRING TYPE SHALL 'THIN OR THIN'. ALL EQUIPMENT SHALL BE GROUNDED VIA A GROUNDING CONDUCTOR SIZED PER 'NEC' AND IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION AND GUIDELINES. ALL FEEDERS AND BRANCH CIRCUITS SHALL BE PROPERLY SUPPORTED. BRANCH WIRING SHALL NOT DIRECTLY REST ON THE CEILING GRID SYSTEM. ALL BRANCH CIRCUIT CONDUITS, RACEWAYS AND WIRING SHALL BE PROPERLY SIZED, BE ADEQUATE AND APPROVED FOR THE INTENDED EQUIPMENT INSTALLATION.
- CONTRACTOR SHALL LABEL THE OUTDOOR SERVICE EQUIPMENT WITH BLACK LAMINOID WITH WHITE LETTERING AND PROVIDE A CLEAN LEGIBLE PANEL DIRECTORY ACCURATELY INDICATING THE EQUIPMENT BEING SERVED. LABEL ALL EQUIPMENT ON THE ROOF WITH BLACK LAMINOID AND WHITE LETTERING PROPERLY FASTENED TO THE EQUIPMENT.
- THE VOICE TELEPHONE SYSTEM SHALL BE AS SELECTED BY THE OWNER. WHERE EMPTY CONDUITS ARE PROVIDED, ALL CONDUITS SHALL BE PROVIDED WITH POLY FILL CORDS.
- UPON FINAL COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL PRESENT TO THE LANDLORD / TENANT TWO (2) SETS OF 'AS BUILT' DRAWINGS. THE DRAWINGS SHALL BE CLEAR AND LEGIBLE. THE DRAWINGS SHALL INDICATE ALL OF THE DEVIATIONS AND ALTERATION WHICH MAY DIFFER FROM THESE DRAWINGS AND ACCURATELY INDICATE THE CONDITIONS ACTUALLY INSTALLED.

**ELECTRICAL SYMBOLS**

LEGEND		NOTE -- NOT ALL SYMBOLS MAY BE USED ON PROJECT	
SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	DUPLEX RECEPTACLE, MTD. +18" AFF		TRANSFORMER - SIZE AS NOTED
	240 VOLT RECEPTACLE (HT. AS REQ.)		PANEL - SIZE AS NOTED
	QUADRUPLEX RECEPTACLE, MTD. +18"		F-FAN; M-MOTOR; P-PUMP
	COUNTERTOP HT. RECEPTACLE +42"		CKT. HOMERUN (B INDICATES PANEL) "2" DESIGNATES CIRCUIT NUMBER
	DUPLEX RECEPTACLE - IN WEATHER PROOF ENCLOSURE OR COVER, GROUND FAULT INTERRUPTER.		LARGE PENDANT LIGHT FIXTURE
	SINGLE POLE SWITCH, MTD +47"		EXIT/EMERGENCY LIGHT W. BATTERY BACK-UP.
	THREE-WAY SWITCH, MTD +47"		EMERGENCY LIGHT W. BATTERY BACK-UP.
	DIMMER SWITCH, MTD +47"		REMOTE HEAD
	JUNCTION BOX, FLUSH IF POSSIBLE		FLUORESCENT LIGHTING FIXTURE B DESIGNATES FIXTURE TYPE
	TELEPHONE / DATA OUTLET +18"		FLUORESCENT LIGHTING NIGHT LIGHT B DESIGNATES FIXTURE TYPE
	DED. COMPUTER TERM. OUTLET +18"		RECESSED LIGHTING FIXTURE
	DISCONNECT SWITCH W/ STARTER		PENDANT LIGHT FIXTURE
	DISCONNECT SWITCH		HOOD LIGHT
	DISHWASHER CONNECTION		INCANDESCENT LIGHT W/ 100W BULB
	REMOTE EMERGENCY HEAD		EMERGENCY BATTERY UNIT
	EXIT SIGN-FACE AND DIR. ARROWS AS INDICATED		FIRE ALARM HORN/STROBE
	SMALL RECESSED LIGHTING FIXTURE		FIRE ALARM HORN
	ASHRAE 90.1 COMPLIANT SPLIT WIRED RECEPTACLE ONE PLUG ON EACH RECEPTACLE IS CONTROLLED		FIRE ALARM STROBE
	CEILING / WALL SENSOR (WATTS STOPPER, CX-100 OR EQUAL) EACH CONTROL DEVICE SHALL BE ACTIVATED EITHER MANUALLY BY AN OCCUPANT OR AUTOMATICALLY BY SENSING AN OCCUPANT. OVERRIDING ANY TIME OF DAY SCHEDULED SHUT OFF CONTROL FOR NO MORE THAN TWO HOURS		WALL MOUNTED LIGHTING CONTROL SWITCH W/ OCCUPANCY SENSOR (WATTS STOPPER, WS-200 OR EQUAL) OCCUPANT SENSOR THAT SHALL TURN LIGHTING OFF WITHIN 30 MINUTES OF AN OCCUPANT LEAVING THE SPACE

**WIRING**



**LIGHT SENSOR WIRING**

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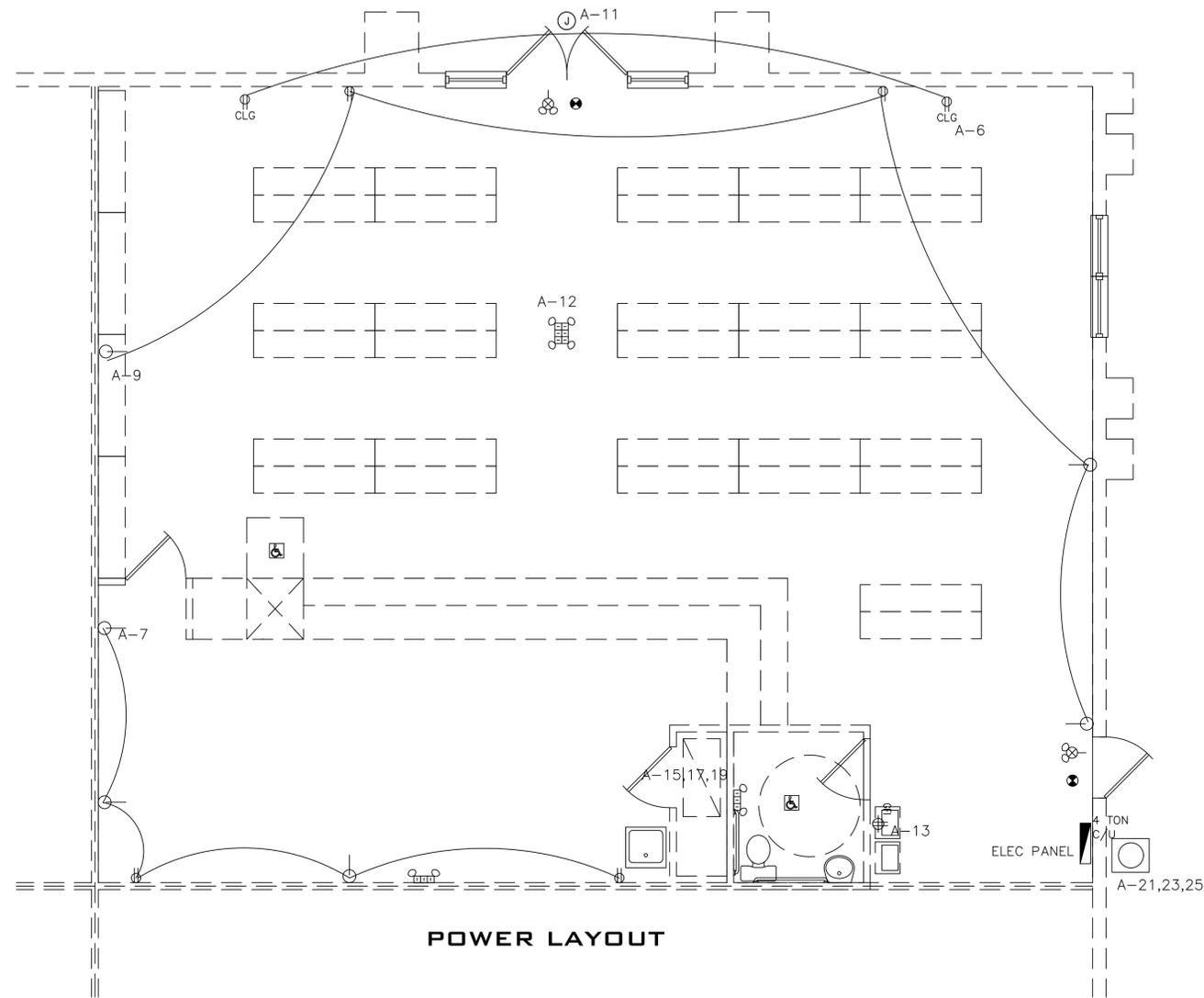
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LOI PHARMACY  
 5810 S ORANGE BLOSSOM TRAIL UNIT 200

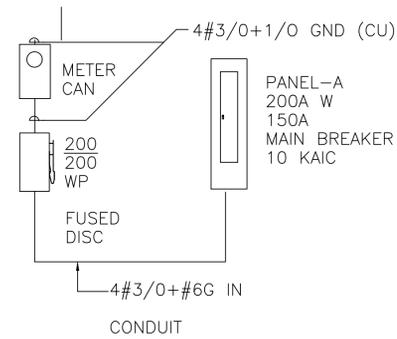
Job No.  
19-305  
 Drawn By:  
R.G  
 Date:  
11.02.19  
 Scale:  
1/4"=1'-0"

**E-1**

**ALBERTO GUIDA P.E.**  
**LIC. 74000 FL.**



**POWER LAYOUT**



**RISER DIAGRAM**

BRANCH CIRCUIT WAS DESIGN PER FBC CONSERVATION 2017 SIXTH C505.73 TO HAVE A MAXIMUM VOLTAGE DROP OF 3% AT DESIGN LOAD AND FEEDER CONDUCTOR TO HAVE A MAXIMUM VOLTAGE DROP OF 2% AT DESIGN LOAD

KVA	LOCATION	MOP/DIR	A	CIR/MOP/D	LOCATION	KVA
-	SPARE	20/1	1	2	20/1	1.2
-	SPARE	20/1	3	4	20/1	1.2
-	SPARE	20/1	5	6	20/1	1.2
-	RECEPTACLE OFFICE	20/1	7	8	20/1	1.0
-	RECEPTACLE	20/1	9	10	20/1	1.6
-	SIGN	20/1	11	12	20/1	1.2
-	HI/LO	20/1	13	14	20/1	-
-			15	16	20/1	-
-	A/H	60/3	17	18		-
-			19	20		-
-			21	22		-
-	CU	40/3	23	24		-
-			25	26		-
-	OPEN		27	28		-
-	OPEN		29	30		-
-	OPEN		31	32		-
-	OPEN		33	34		-
-	OPEN		35	36		-
-	OPEN		37	38		-
-	OPEN		39	40		-
-	OPEN		41	42		-

LOCATION: BACK WALL  
 PANEL MOUNTING: SURFACE  
 SERVICE: 120/208 V, 3Ø, 4 WIRE, AC, FULL NEUTRAL  
 MAINS: 200 AMP M.L.O.  
 BRANCHES: 20/1 OR AS NOTED  
 CABINET: NEW

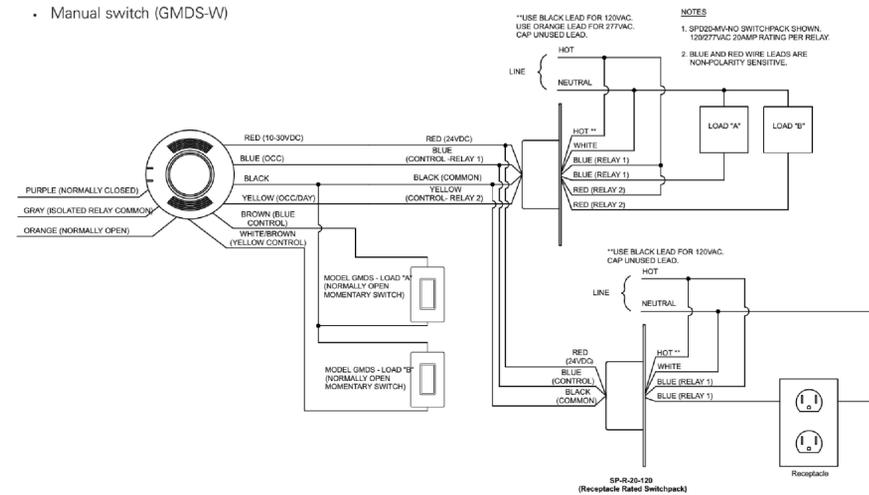
LOAD ANALYSIS  
 TOTAL = 17,200 VA = 47 AMPS @208/3PH

20 AMP BREAKER 12 GA WIRE  
 30 AMP BREAKER 10 GA WIRE  
 40 AMP BREAKER 8 GA WIRE  
 60 AMP BREAKER 6 GA WIRE

**ELEC PANEL**

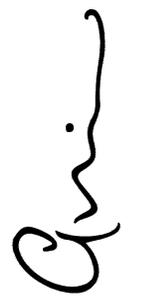
Service equipment in other than dwelling units must be legibly field-marked with the maximum available fault current, including the date the fault current calculation was performed and be of sufficient durability to withstand the environment involved NEC 110.24(A) & 110.24(B) for modifications if required.

- Occupancy or vacancy sensor (OAC-\*, VAC-\*)
- Receptacle rated switchpack (SP-R-20-120)
- Manual switch (GMDS-W)



**RECEPTACLE CONTROL**

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**E-2**

**ALBERTO GUIDA P.E.**  
**LIC. 74000 FL.**

**MECHANICAL NOTES:**

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2017 6TH ED. FLORIDA BUILDING CODE, THE STANDARD MECHANICAL CODE, NFPA AND ANY OTHER APPLICABLE LOCAL, STATE OR NATIONAL CODES AND/OR ORDINANCES IN EFFECT AT THE TIME OF PERMITTING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MECHANICAL CONNECTIONS UNLESS OTHERWISE NOTED.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COMMUNICATION WITH THE PROPERTY OWNER'S PERSONNEL TO REVIEW CONTRACT DOCUMENTS PRIOR TO INSTALLATION.
- THE OWNER WILL NOT BE HELD LIABLE FROM FIELD CHANGES THAT MAY IN TRADE PERFORMANCE.
- IN GENERAL PLANS AND DETAILS ARE DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED, COORDINATE ALL MECHANICAL WORK WITH PLUMBING, HVAC AND FIRE SPRINKLER WORK SO AS NOT TO CONFLICT IN LOCATION OR PERFORMANCE OF OTHER SYSTEMS.
- NECESSARY AND OBVIOUSLY REQUIRED MECHANICAL ITEMS THAT ARE NOT SHOWN ON THE DRAWINGS DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO INSTALL A COMPLETE, SAFE AND OPERATING MECHANICAL SYSTEM.
- MECHANICAL CONTRACTOR SHALL KEEP A MASTER SET OF BLUE LINES THAT ARE TO BE MARKED UP TO REFLECT "AS BUILT" CONDITIONS ON A DAILY BASIS. THESE "AS BUILT" MARK-UPS MAY BE REVIEWED BY THE ARCHITECT, ENGINEER OR OWNER'S REPRESENTATIVE AT THEIR REQUEST AND WITHOUT PRIOR NOTIFICATION. THESE "AS BUILT" DRAWINGS WILL BE TURNED OVER TO THE OWNER AT THE CONCLUSION OF THE PROJECT. ANY CHANGES, MODIFICATIONS OR DEVIATIONS FROM THIS PLAN SHALL BE PRESENTED IN WRITING AND APPROVED BY THE ARCHITECT, LANDLORD AND THE TENANT PRIOR TO ANY MODIFICATIONS BEING PERFORMED.
- THE MECHANICAL CONTRACTOR SHALL INCLUDE ALL NECESSARY FEES AND POWER COMPANY CHARGES IN THEIR BID.
- CONTRACTOR TO SEAL ALL FLOOR, ROOF AND WALL PENETRATIONS IN AN APPROVED MANNER TO INSURE THE FIRE RATING INTEGRITY OF THE AREAS
- CONTRACTOR TO VISIT THE SITE AND SHALL ALLOW FOR ALL EXISTING CONDITIONS IN BID.
- THOROUGHLY REVIEW FINAL LOCATION, TYPE, MOUNTING HEIGHT AND CONTROL OF ALL DEVICES PRIOR TO ROUGH IN.
- COORDINATE FINAL INSTALLATION REQUIREMENTS WITH PROPER AUTHORITIES.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBILITY FOR ANY AND ALL INSPECTIONS AND CERTIFICATIONS THAT MAY BE REQUIRED DURING AND UPON COMPLETION OF HIS WORK.
- ALL RIGID DUCTS SHALL BE MIN 3/4" R-6 FOIL BACKED DUCT BOARD UNLESS OTHERWISE SPECIFIED.
- ALL RETURN AIR GRILLS SHALL BE 24" X 24" W/ FILTER KITS.
- ALL SUPPLY GRILLS SHALL MATCH EXISTING.
- OPEN NUMBER
- ALL PRIMARY CONDENSATE DRAINS SHALL BE MIN. 3/8" P.V.C. PIPE. EXISTING TO REMAIN AS-IS.
- OVER 2000 CFM (IF APPLICABLE) REQUIRES THAT CONTRACTOR INSTALL SMOKE DETECTOR WITH AUDIO AND VISUAL ALARM WITH TROUBLE LIGHT IN SUPPLY AIR DUCT. SMOKE DETECTORS SHALL BE INTERLINKED FOR SIMULTANEOUS ALARM.
- WALL MOUNTED THERMOSTATS SHALL BE INSTALLED AT A CENTER LINE ELEVATION OF 5'-6" ABOVE FINISHED FLOOR WITH ORANGE LOCKING COVERS UNLESS OTHERWISE INDICATED REFER TO FINISH SPECS OR CONFER WITH INTERIOR DESIGN CONSULTANT ON PROJECT.
- ALL WORK SHALL COMPLY WITH LOCAL CODES AND REGULATIONS AND NFPA 90A
- MECHANICAL CONTRACTOR TO PROVIDE TEST AND BALANCE REPORT

OUTSIDE AIR CALCULATION								
SPACE NUMBER	OCCUPANCY CLASSIFICATION	AREA (SQFT)	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE (CFM/SQFT)	VENTILATION DEMAND/1000 SQFT	TOTAL # OF PEOPLE	FRESH AIR REQUIRED	FRESH AIR PROVIDED
1	MERCANTILE	1950	7.5	.12	15	30	459 CFM	459 CFM

NOTES:  
 1. OUTSIDE AIR CALCULATIONS ARE BASED ON THE 2017 MECHANICAL FLORIDA BUILDING CODE IN ACCORDANCE WITH ANSI/ASHRAE STANDARD 62.1-2004.  
 \* OCCUPANCY OF PEOPLE PER SQUARE FEET FROM TABLE 403.3  
 \*\* CFM OF OUTSIDE AIR PER PERSON FROM TABLE 403.3  
 \*\*\* CFM OF OUTSIDE AIR PER SQUARE FOOT FROM TABLE 403.3

**EQUIPMENT**

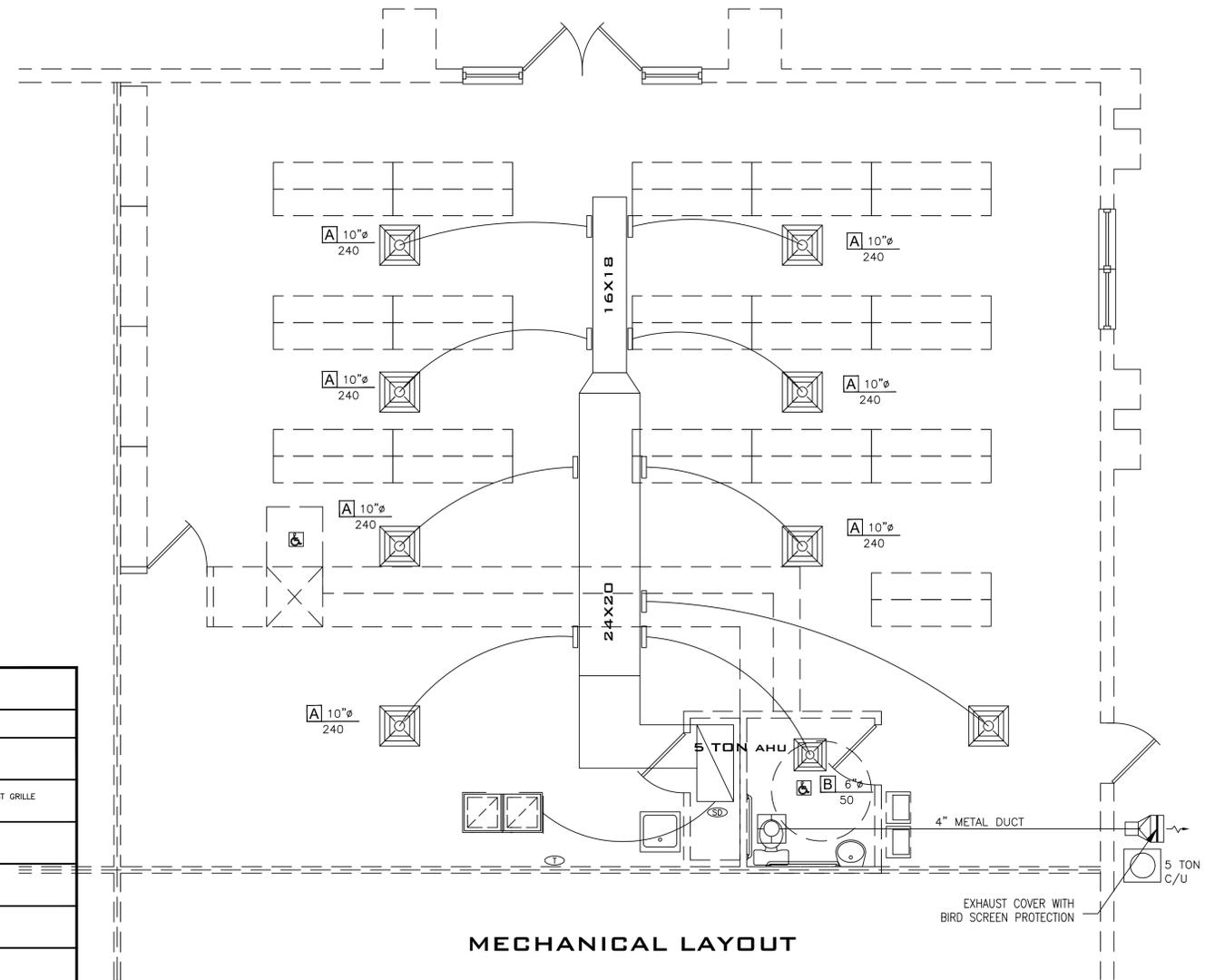
TRANE SPLIT SYSTEM SCHEDULE	
AIR HANDLING UNIT:	AHU-1
TONNAGE	5
TOTAL COOLING (BTU/HR.)	60,000
SENSIBLE COOLING (BTU/HR)	-
SUPPLY AIR (CFM)	2000
OUTSIDE AIR (CFM)	459
ELEC. HEAT (KW)	10
E.S.P.	.4
FAN MOTOR HP	2.4
VOLTS/PHASE	208/1
UNIT MCA/MOCP	7.5/15
UNIT BREAKER	50
MANUFACTURER	TRANE
MODEL NUMBER	TWE060D100
OPERATING WEIGHT (LBS)	388
CONDENSING UNIT	CU-1
NUMBER OF COMPRESSORS	1
VOLT/PHASE	208/1/60
UNIT MCA / BREAKER	67.9/100
RUNNING LOAD AMPS	25
LOCKED ROTOR AMPS	164
FANS FLA	1.5
MANUFACTURER	TRANE
MODEL NUMBER	TWA060D3HW
SYSTEM EER/IEER	11.0/11.2
OPERATING WEIGHT (LB)	393

**REMARKS:**  
 1. AIR CONDITIONING UNITS ARE BASED ON AIR STANDARD CONDITIONS OF 80°F DB, 67° WB, INDOOR ENTERING AIR TEMPERATURE AND 95° DB AIR ENTERING OUTDOOR UNIT.  
 NOTE: VERIFY EQUIPMENT DATA WITH MANUFACTURER'S SPECIFICATIONS PRIOR TO INSTALLATION.

**LEGEND**

SYMBOL	DESCRIPTION
	INDICATES DIRECTION OF AIRFLOW
	USE TO IDENTIFY SUPPLY, RETURN OR EXHAUST GRILLE VALUES AND TYPE
	THERMOSTAT (PROGRAMMABLE DIGITAL, 7-DAY) X= ZONE CONTROLLED
	TEMPERATURE SENSOR X= ZONE CONTROLLED
	HUMIDISTAT (DIGITAL)
	SMOKE DETECTOR
	DUCT HEATER
	INLINE DRYER BOOSTER FAN (FANTECH DBF-110)
	GREENHECK FSD STATIC FIRE DAMPER WITH ACCESS DOOR
	GREENHECK AIR DAMPER
	EXHAUST GRILLE OR DUCT DOWN/UP
	RETURN GRILLE OR DUCT DOWN/UP
	SIDEWALL SUPPLY DIFFUSER
	CEILING SUPPLY GRILLE
	CEILING SUPPLY DIFFUSER
	VARIABLE AIR VOLUME BOX
	VARIABLE AIR VOLUME BOX WITH ELECTRIC HEAT STRIP
	CONDENSATE PUMP WITH SAFETY FLOAT SWITCH TO DE-ENERGIZE MAIN AC IN CASE OF OVERFLOW MODEL: LITTLE GIANT VCMA-15 OR EQUAL
	REMOTE SMOKE ALARM INDICATION STATION WITH LIGHT (TAG SERVING)

THIS IS A GENERAL LIST OF SYMBOLS. ALL SYMBOLS MAY NOT BE USED ON A SPECIFIC PROJECT



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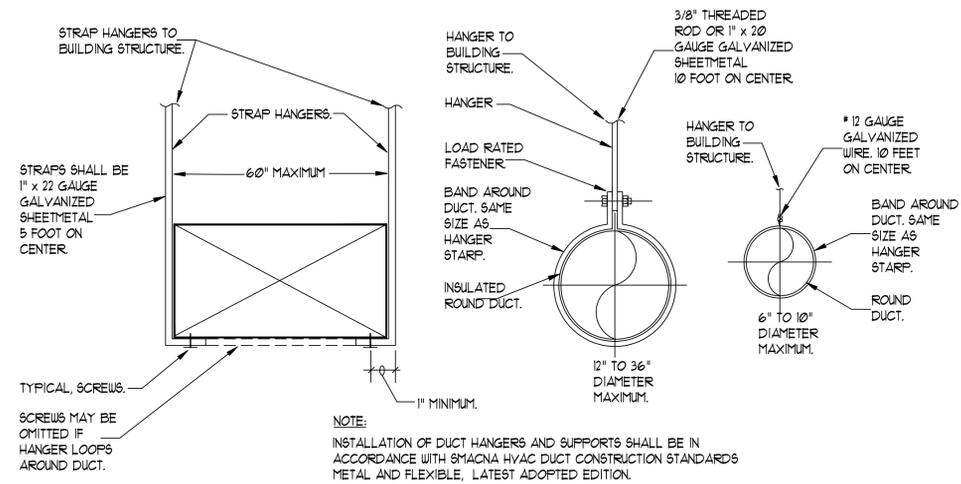
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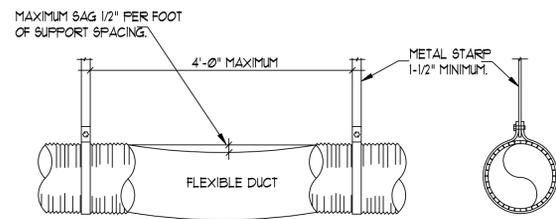
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**M-1**

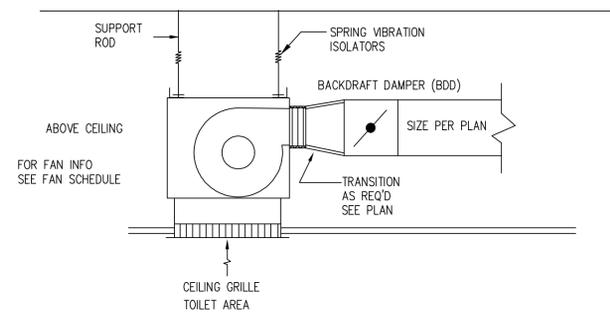
**ALBERTO GUIDA P.E.**  
**LIC. 74000 FL.**



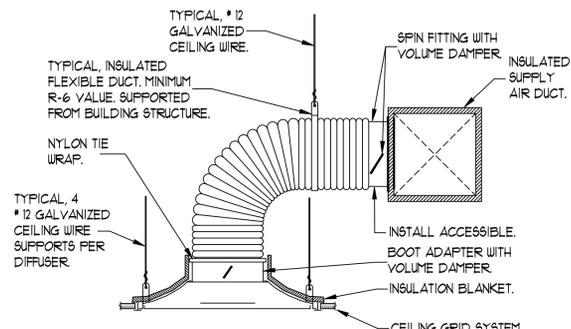
DETAIL - DUCT HANGERS  
NO SCALE



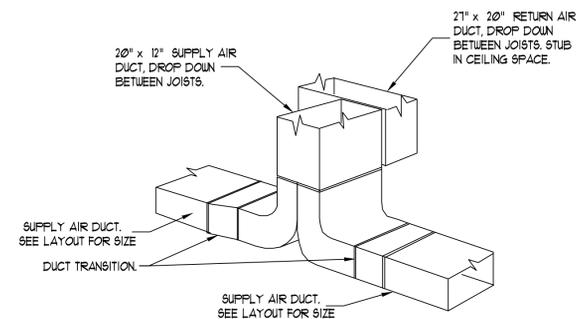
DETAIL - FLEXIBLE DUCT SUPPORT  
NO SCALE



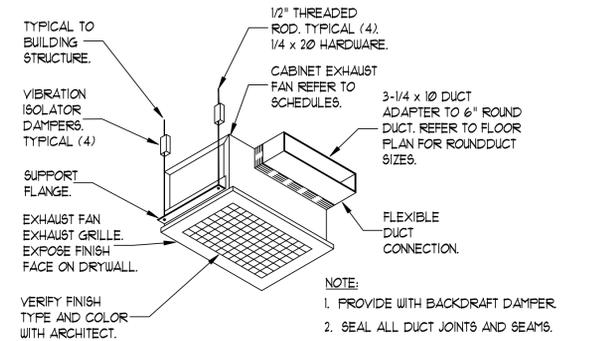
CEILING CABINET FAN DETAIL  
SCALE: NONE



DETAIL - TYPICAL FLEX-DUCT / DIFFUSER  
NO SCALE

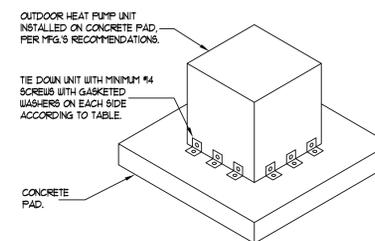


DETAIL - TYPICAL DUCT TRANSITIONS AT CEILING SPACE  
NO SCALE



DETAIL - CABINET EXHAUST FAN  
NO SCALE

EF-1 CABINET EXHAUST FAN - BROAN OR EQUAL.  
120 VOLTS, 1 PHASE, FRACTIONAL HP, 50 CFM @ 5 S.F.



SIDE DIMENSION	NUMBER OF SCREWS PER SIDE
LESS THAN 12"	1
12" TO 24"	2
24" TO 36"	3

- NOTE:
- COMPLY WITH 301.3 OF THE FLORIDA BUILDING CODE-MECHANICAL.
  - HEAT PUMP UNITS SHALL BE ANCHORED TO WITHSTAND WIND LOAD OF 121 MPH. A MINIMUM OF FOUR (4) TIE DOWNS ARE REQUIRED. REFER TO TABLE SHOWN ABOVE FOR SIZES AND QUANTITIES OF TIE DOWNS.
  - ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED AND BE INSTALLED WITH ALL REQUIRED ASSOCIATED APPURTENANCES.

DETAIL - EQUIPMENT TIE DOWNS  
NO SCALE

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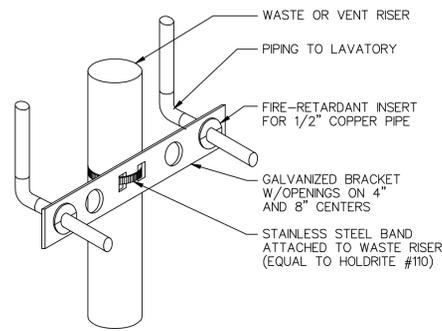
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## GENERAL NOTES - PLUMBING

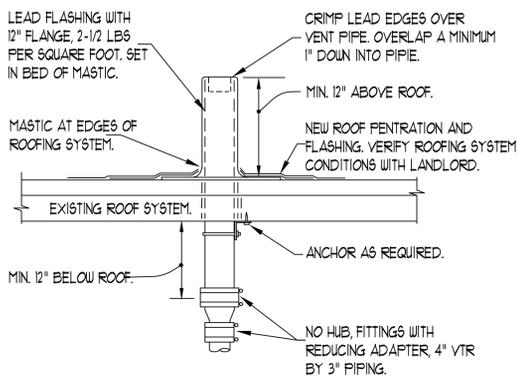
- CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE 6TH ED. 2017 FLORIDA BUILDING CODE AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
- CONTRACTOR SHALL VERIFY AND CORRECT AS REQUIRED TO MEET ALL CODES AND REGULATIONS ANY POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTION SPECIFIED IN PLUMBING FIXTURE SCHEDULE AND FIXTURES ACTUALLY INSTALLED ON THE SITE.
- ALL SANITARY PIPING 3" AND LARGER SHALL HAVE A 1/8" PER FOOT. ALL SANITARY PIPING SMALLER THAN 3" SHALL HAVE A SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.
- VENT PIPING SHOWN ON FLOOR PLANS IS ONLY INDICATIVE EXCEPT FOR VTR LOCATIONS.
- VALVES AND FITTINGS SHALL BE OF SAME SIZE OF LINE ON WHICH THEY ARE LOCATED.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.
- CONTRACTOR SHALL FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL PIPING SYSTEMS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- INSTALL WATER HAMMER SHOCK ARRESTORS AT EACH FIXTURE OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY-FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201.
- AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER ARRESTORS AS SPECIFIED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.
- ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.
- ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP PRIMER AND FITTINGS UNLESS NOTED OTHERWISE.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES. PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL FINISHES. PIPING IN MECHANICAL ROOMS MAY BE EXPOSED.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURE MOUNTING HEIGHTS, AND DIMENSIONS.
- CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
- CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED. INSTALL VACUUM BREAKERS WHERE REQUIRED BY CODE.
- ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE PLACED ON THE INTERIOR SIDE OF THE WALL, SO THAT WALL INSULATION CAN BE PLACED ON THE EXTERIOR SIDE OF THE PIPING.
- DO NOT PENETRATE WALL FOOTINGS WITH PIPING. COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. ALL PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY STRUCTURAL ENGINEER.
- PIPING SHALL ESSENTIALLY BE ROUTED AND LOCATED AS INDICATED ON THE DRAWINGS; HOWEVER, ACTUAL PLACEMENT SHALL BE VERIFIED BY CONFIRMING EXACT LOCATION OF STRUCTURES AND OTHER UTILITIES IN THE FIELD AND BY CAREFUL LAYOUT PRIOR TO EXECUTION OF THE WORK. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT BE CONCEALED EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.
- HOT AND COLD WATER SUPPLY PIPES AND DRAIN PIPES UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED PER AMERICANS WITH DISABILITIES ACT, WITH FACTORY PREFABRICATED MICROBIAL PVC RESIN SEAMLESS INSULATION. BASIS OF DESIGN: ZURN INDUSTRIES, INC.
- WALL BRACKETS, HANGERS, SUPPORTS, ETC. SHALL BE PROVIDED WHERE REQUIRED IN ACCORDANCE WITH THE BEST STANDARD PRACTICE OF THE TRADE AND AS PER CODE. ADDITIONAL SUPPORTS SHALL BE PROVIDED TO TRANSMIT LOADS TO THE MAIN STRUCTURE WHERE REQUIRED. CPVC PIPING SUPPORTS SHALL BE 3'-0" ON CENTER FOR 1/2" THRU 1" AND 4'-0" ON CENTER FOR 1-1/2" OR LARGER. ALL EXPOSED SUPPORTS SHALL BE HOT DIPPED GALVANIZED OR FIBERGLASS REINFORCED "UNISTRUT" TYPE INCLUDING HARDWARE.
- STORM WATER, SANITARY, VENT AND WASTE PIPING SHALL BE COLLECTED AND TERMINATED AT A POINT SHOWN ON THE DRAWINGS. PIPING SHALL BE CEILING 40 PVC-DWV WITH SOLVENT JOINTS. PROVIDE ASJ FIBERGLASS INSULATION TO MEET PLENUM RATING IN ALL CEILING RETURN AIR PLenums.
- DOMESTIC WATER PIPING 1/2" TO 2" (ABOVE FLOOR) SHALL BE SCHEDULE 40 MANUFACTURED FROM CPVC COMPOUND WITH A CELL CLASS OF 24448 FOR PIPE AND 23447 FOR FITTINGS AS PER ASTM D-1784 AND CONFIRM WITH NATIONAL SANITATION FOUNDATION (NSF) STANDARDS 14 AND 61. PIPE AND FITTINGS TO BE FLOWGUARD GOLD CPVC COPPER TUBE SIZE MFG. TO STANDARD DIMENSION RATIO (SDR) 11 AND SHALL CONFIRM TO ASTM D-2846. TRANSITION FITTING TO HAVE BRASS MALE OR FEMALE CONNECTIONS WITH INTERGRAL CPVC CONNECTIONS.
- BALL VALVES 1/4" THROUGH 2" SHALL BE TWO PIECE - 600 WOG, TEFLON SEATS, ANSI 316 STAINLESS STEEL BALL AND STEM (EXTENSION STEM ON INSULATED HOT WATER AND TEMPERED HOT WATER), BRONZE BODY WITH THREADED OR SOLDER END.
- ALL INSULATION AND ADHESIVES SHALL HAVE A COMPOSITE FIRE AND SMOKE HAZARD RATING AS TESTED BY PROCEDURE ASTM. NFPA AND UL, NOT EXCEEDING A FLAME SPREAD RATING OF 25 AND A SMOKE DEVELOPED RATING OF 50. INSULATE ALL HOT WATER PIPES, AND CONDENSATE DRAIN LINES WITH A MINIMUM OF 3" THICK FLEXIBLE FOAMED PLASTIC UNICELLULAR PIPE INSULATION. INSULATION SHALL BE SLIPPED ONTO THE PIPE BEFORE FINAL JOINING. PAINT INSULATION WHERE EXPOSED.

## PIPING

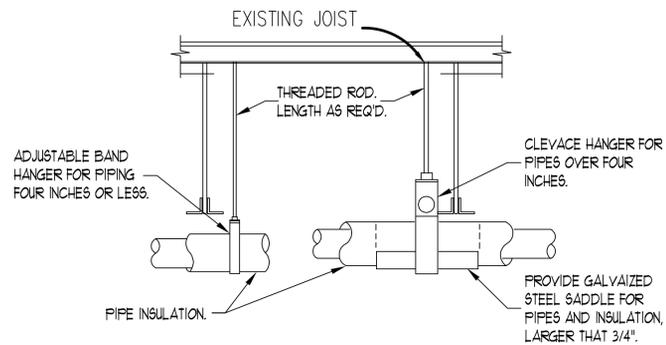
SYMBOL	DESCRIPTION
	COLD WATER AND FLOW
	HOT WATER SUPPLY AND FLOW
	HOT WATER RETURN AND FLOW
	WASTE OR SANITARY AND FLOW
	VENT AND SIZE
	STORM PIPE
	CONDENSATE DRAIN
	SHOCK ABSORBER & P.D.I. SIZE
	HOSE BIBB/WALL HYDRANT
	PRESSURE REDUCING VALVE
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BALL VALVE
	SAFETY OR PRESSURE RELIEF VALVE
	VALVE IN RISER
	DIRECTION OF FLOW
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45 OR 90 DEGREES
	BOTTOM CONNECTION, 45 OR 90 DEGREES
	SIDE CONNECTION
	CAPPED OUTLET
	DROP IN PIPING
	RISE IN PIPING
	UNION
	SOLENOID VALVE
	WATER FLOW MEASURING DEVICE
	PRESSURE GAUGE



WATER PIPING SUPPORTS  
SCALE: NONE

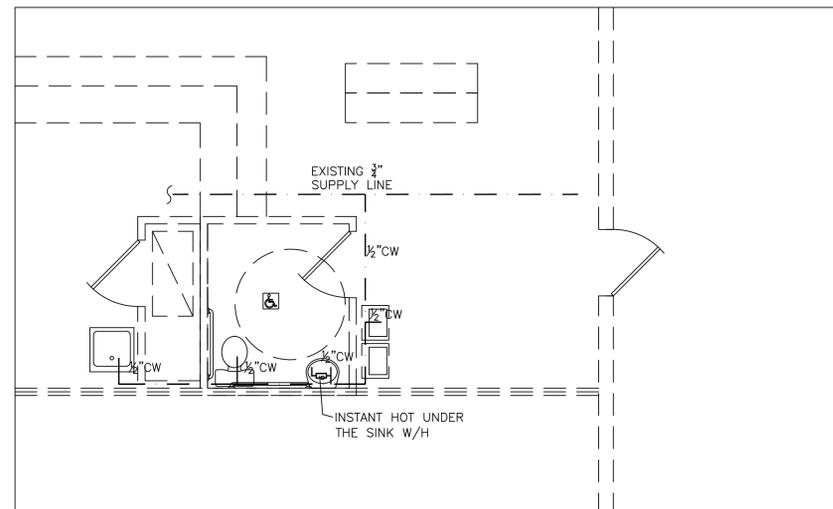


DETAIL - VENT THRU ROOF  
NO SCALE

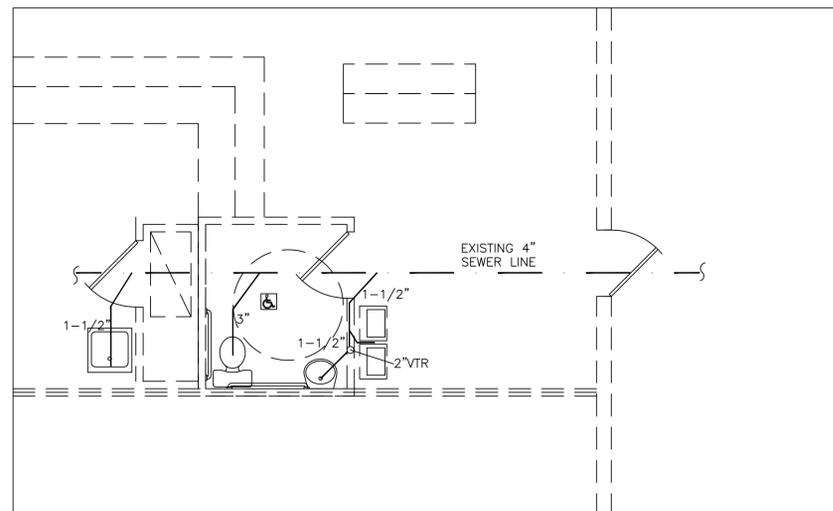


PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES. HANGER SPACING FOR PIPE SIZE: COPPER: 4"=12'± 3"=11'± 2-1/2"=10'± 2"=9'± 1-1/2"=8'± 1-1/4"=7'± 1"=6'± 3/4"=6'± 1/2"=5'. CAST IRON: 10'± ONE NEAR ALL JOINTS. STEEL: 4"=14'± 3"=12'± 2-1/2"=11'± 2"=10'± 1-1/2"=9'± 1"=7'± 3/4"=6'± 1/2"=5'. LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS & TEES OF PIPE. PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQ'D. LOCATE HANGERS TO TAKE LOAD OFF OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. CHAINS OR PERFORATED STRAP IRON OR STEEL IS NOT ACCEPTABLE.

DETAIL - PIPE HANGER SYSTEM  
NO SCALE



## SUPPLY WATER



## SEWER LAYOUT

PLUMBING FIXTURE SCHEDULE								
MARK	FIXTURE	DESCRIPTION	MANUFACTURER	MODEL #	WASTE	VENT	CW	HW
HWC	WATER CLOSET (TANK)	ELONGATED FRONT VITREOUS CHINA - 2 PIECE (16-1/2" HIGH) BARRIER FREE - ADA HEIGHT, PRESSURE ASSISTED FLUSHING, 1.6 GPF, W/MOUNTING RING, BOLTS, STOP	KOHLER	K-2005 white	3"	3"	1/2"	-
HLAV	LAVATORY	RECTANGULAR UNDERMOUNT, VITREOUS CHINA, PROVIDE STRAINER, TRAP, STOPS, 4" CENTER SET, SINGLE CONTROL CHROME FINISH FAUCET	KOHLER	K-2355 white K-15240-4 CORALAIS	2"	2"	1/2"	1/2"
TPV	TRAP PRIMER VALVE	SEE DETAIL	SIoux CHIEF	VRCS	-	-	1/2"	-
WHA	WATER HAMMER	SHOCK ABSORBER	SIoux CHIEF	660 SERIES	-	-	-	-
TW-1	TEMPERED VALVE	THERMOSTATIC MIXING VALVE: MFR. HYDROTEX (800) 922-9883 PLATE ABOVE CEILING EASILY ACCESSIBLE FOR MAINTENANCE	HYDROTEX	HBL01	-	-	1/2"	1/2"

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LOI PHARMACY  
5810 S ORANGE BLOSSOM TRAIL UNIT 200

Job No.  
19-305

Drawn By:  
R.C

Date:  
11.02.19

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

P-1

ALBERTO GUIDA P.E.  
LIC. 74000 FL.