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GENERAL NOTES

- GENERAL CONDITIONS**
1. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE. DISCREPANCIES SHALL IMMEDIATELY BE REPORTED TO THE ARCHITECT.
 2. ALL MATERIALS AND WORKMANSHIP SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL STANDARDS AND TO THE APPLICABLE PROVISIONS OF THE GOVERNING BUILDING CODE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONDITIONS OF ALL WORK AND MATERIALS, INCLUDING THOSE FURNISHED BY SUBCONTRACTORS.
 3. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED PRODUCT. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
 4. THESE DRAWINGS SHOW ONLY REPRESENTATIVE AND TYPICAL DETAILS TO ASSIST THE CONTRACTOR. THE DRAWINGS DO NOT ILLUSTRATE EVERY CONDITION. ALL ATTACHMENTS, CONNECTIONS, FASTENINGS, ETC., SHALL BE PROPERLY SECURED IN CONFORMANCE WITH THE BEST PRACTICE, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING THEM.
 5. DETAILS SHOWN ON DRAWINGS APPLY AT ALL LIKE CONDITIONS.
 6. THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATED HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.
 7. INSTALL ALL MANUFACTURING ITEMS, MATERIALS AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDED SPECIFICATIONS; EXCEPT THAT THE SPECIFICATIONS HEREIN, WHERE MORE STRINGENT, SHALL BE COMPLIED WITHH.
 8. PROVIDE AND MAINTAIN IN PROPER ORDER AND IN GOOD, CLEAN CONDITION AT THE PROJECT SITE, ONE COMPLETE SET OF DRAWINGS, PRINT IN PENCIL, NEATLY AND ACCURATELY, ANY AND ALL CHANGES TO THE PROJECT. THIS SET OF PRINTS SHALL BE SCANNED AND CONVERTED TO PDF FILE FORMAT, AND PRESENTED TO THE OWNER AT THE TIME OF FINAL ACCEPTANCE OF THE WORK BY THE G.C.
 9. ANY CLARIFICATION TO THE DRAWINGS SHALL BE SUFFICIENTLY GIVEN AND IN WRITING BEFORE IT SHALL BE ADDRESSED BY THE ARCHITECT. ANY CHANGE THAT WILL EFFECT TIMING OR COST SHALL HAVE APPROVAL IN WRITING PRIOR TO WORK BEING DONE.
 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HIS OWN INTERNET, TELEPHONE, TOILET, WATER AND ELECTRICITY FOR ALL PROJECT FUNCTIONS.
 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TAPS, EXTENSIONS, VALVES OR OTHER DEVICES NECESSARY TO RUN POWER TOOLS AND EQUIPMENT. SUCH MODIFICATIONS TO EXISTING UTILITIES MUST BE REMOVED AT COMPLETION OF THE PROJECT, LEAVING ALL UTILITIES IN "LIKE NEW" CONDITION.
 12. THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES ADEQUATE SAFETY BARRICADES AND CLEAR ACCESS IN AND OUT OF THE WORK SITE SO AS TO FACILITATE DAILY TRAFFIC MOVEMENT, DELIVERIES AND SAFETY.
 13. THE CONTRACTOR SHALL LIMIT ACCESS TO THE PROJECT SITE TO AUTHORIZED PERSONS AND EQUIPMENT ONLY.
 14. EXCEPT WHERE OTHERWISE SPECIFIED, THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION AGAINST WEATHER TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FROM INJURY OR DAMAGES. AT THE END OF THE DAYS WORK, ALL NEW WORK LIKELY TO BE DAMAGED SHALL BE COVERED OR OTHERWISE PROTECTED AS REQUIRED.
 15. SUBSTITUTIONS WILL BE CONSIDERED ONLY WHERE THE TERM "APPROVED EQUAL" IS USED. APPROVAL IS AT THE SOLE DISCRETION OF THE ARCHITECT.
 16. ALL ITEMS TO BE INSTALLED BY G.C. SHALL REQUIRE UNLOADING AND ASSEMBLY IF NECESSARY.
 17. GENERAL CONTRACTOR IS RESPONSIBLE FOR UNLOADING, ACCEPTING AND CHECKING EQUIPMENT FOR ALL OWNER-SUPPLIED ITEMS.
 18. GENERAL CONTRACTOR IS RESPONSIBLE FOR DAMAGES AND/OR FREIGHT CLAIMS FOR ALL SHIPMENTS TO THE PROJECT SITE.
 19. ALL NEW ITEMS SHALL FULLY COMPLY WITH ADA ACCESSIBILITY - GUIDELINES SECTION 4.1.3 ACCESSIBLE BUILDINGS: NEW CONSTRUCTION. GENERAL CONTRACTOR SHALL SECURE FINAL ACCESSIBILITY SITE INSPECTION APPROVAL PRIOR TO DEMOBILIZATION.
 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE CONTRACT DOCUMENTS.
 21. THE OWNER SHALL BE NOTIFIED OF ANY UNFORSEEN CONDITIONS WHICH MAY AFFECT PROGRESS OR COST OF WORK PERFORMED.
 22. FIRE EXTINGUISHERS SHALL BE LOCATED PER DIRECTION OF FIRE DEPARTMENT. PROVIDE A MINIMUM OF 2. MAXIMUM TRAVEL DISTANCE TO A FIRE EXTINGUISHER: 75'. FIRE EXTINGUISHERS SHALL BE PROVIDED, INSTALLED AND CERTIFIED BY THE GENERAL CONTRACTOR.
 23. IF ANY HOT WORK IS DONE DURING THE CONSTRUCTION WORK A FIRE WATCH MUST BE CONDUCTED WITH A FIRE EXTINGUISHER NEAR THE HOT WORK SITE. ADJACENT AREAS SHOULD BE PROTECTED THRU THE USE OF A FIRE PROOF BLANKET AROUND THE AREA OF WELDING/CUTTING.
 24. ADDRESS IDENTIFICATION: ALL BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS NUMBERS OR LETTERS PER IBC 501.2. EACH CHARACTER SHALL BE A MINIMUM 8 INCHES HIGH AND A MINIMUM OF 0.5 INCH WIDE, INSTALLED ON A CONTRASTING BACKGROUND AND BE PLAINLY VISIBLE FROM THE RIGHT-OF-WAY.
- FIREBLOCKING AND DRAFTSTOPPING**
1. ALL FIRE BLOCKING AND DRAFT STOPPING SHALL CONFORM TO THE BUILDING CODE.
 2. FIRE BLOCKS SHALL BE PROVIDED IN ACCORDANCE WITH THE BUILDING CODE AT THE FOLLOWING LOCATIONS:
 - a. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS, AT 10-FOOT INTERVALS ALONG THE LENGTH OF THE WALL.
 - b. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS THOSE THAT OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.
 - c. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ONE AND IN LINE WITH THE RUN OF STAIRS IF THE WALLS UNDER THE STAIRS ARE UNFINISHED.
 - d. IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS THAT AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS.

CODE SUMMARY

BUILDING CODES:
FLORIDA BUILDING CODE 6TH EDITION (2017)
FLORIDA BUILDING CODE ACCESSIBILITY 6TH EDITION (2017)
NATIONAL ELECTRICAL CODE (2014)
MECHANICAL CODE (2017)
FUEL GAS CODE (2017)
FLORIDA ENERGY CODE (2017)
PLUMBING CODE (2017)
FLORIDA FIRE PREVENTION CODE 6TH EDITION (2017)
NFPA 101 LIFE SAFETY CODE (2015) w/ FLORIDA AMENDMENTS
NFPA 1 UNIFORM FIRE CODE (2015) w/ FLORIDA AMENDMENTS
FLORIDA STATUTES
FLORIDA ADMINISTRATIVE CODE
ORLANDO CITY CODE

PROJECT SCOPE:
INTERIOR FINISH OUT OF A NEW ONE STORY SHELL BUILDING. THE PROPOSED USE IS A BUSINESS OCCUPANCY WHICH IS CONSISTENT WITH THE ZONING OF THE PROPERTY.

PARCEL ID: 302325900200020

PROPERTY DESCRIPTION: VISTA PALMS COMMERCIAL 69/37 LOT 2

OCCUPANCY: BUSINESS GROUP B

CONSTRUCTION: TYPE IIB - SPRINKLED

TENANT AREA: 3,574 GSF

OCCUPANCY LOAD (PER FBC TABLE 1004.1.2): 36

MINIMUM EGRESS WIDTH (PER FBC SECTION 1005)
REQUIRED EGRESS WIDTH = $36 \times 0.2' = 7.2'$
PROVIDED EGRESS WIDTH = 68.0'

MINIMUM EXITS REQUIRED (PER FBC SECTION 1006)
REQUIRED = 1
PROVIDED = 2

MAXIMUM TRAVEL DISTANCE (PER FBC TABLE 1017.2)
EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED 250'

FIRE ALARM: NOT REQUIRED

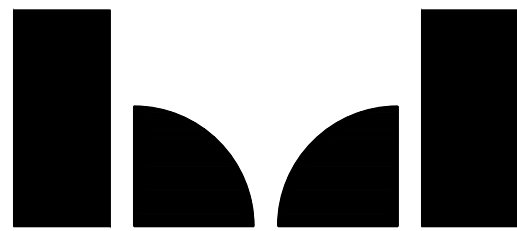
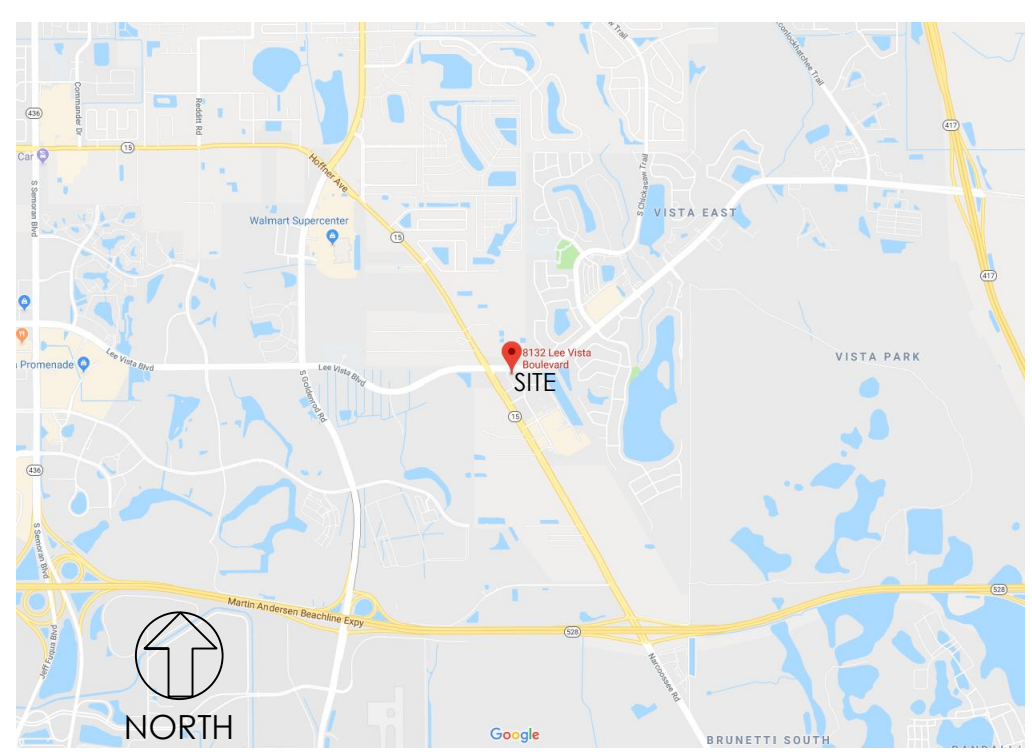
SPRINKLER: YES

FIRE SPRINKLER PERMITTING NOTE:
THE FIRE SPRINKLER CONTRACTOR SHALL SUBMIT AND OBTAIN A FIRE SPRINKLER PERMIT PRIOR TO INSTALLATION OR MODIFICATION OF THE SYSTEM.

WALL, FLOOR AND CEILING FINISHES SHALL COMPLY WITH NFPA 101 SECTION 10.2

ARCHITECT'S STATEMENT OF FACT
BY SIGNING AND SEALING THIS DRAWING, THE ARCHITECT ACKNOWLEDGES THAT TO THE BEST OF HIS/HER KNOWLEDGE, THESE DRAWINGS AND THE PROPOSED WORK COMPLY WITH THE MINIMUM APPLICABLE BUILDING CODES AND FIRE SAFETY REGULATIONS AS DETERMINED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

PROJECT LOCATION



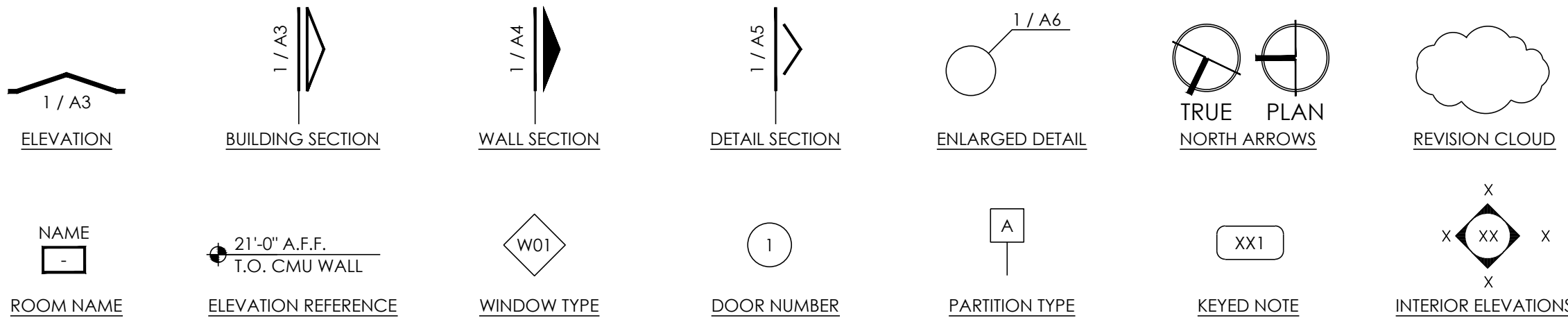
DICKERSON DESIGN BUILD

TENANT IMPROVEMENTS

CARESPOT URGENT CARE

8132 LEE VISTA BLVD. #102, ORLANDO, FLORIDA 32801

GRAPHIC LEGEND



ABBREVIATIONS

@	AT	E.	EAST	I.D.	INSIDE DIAMETER	R.	RADIUS
&	CENTERLINE	E.A.	EACH	I.E.	INVERT ELEVATION	R.A.	RETURN AIR
&	DIAMETER OR ROUND	E.B.	EXPANSION BOLT	I.G.	ISOLATED GROUND	R.D.	ROUND, ROOF DRAIN
&	AND	E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM	I.N.	INCH	R.EINF.	REINFORCEMENT
A.	AMPERE	E.J.	EXPANSION JOINT	INSUL.	INSULATION	REQ'D.	REQUIRED
A.B.	ANCHOR BOLT	E.L.	ELEVATION	INT.	INTERIOR AND INTERCOM	R.F.M.	RECESSED FLOOR MAT
ABV.	ABOVE	ELEC.	ELECTRIC	INV.	INVERT	R.M.	ROOM
A/C	AIR CONDITIONING	E.P.	ELECTRICAL PANELBOARD	JAN.	JANITOR	R.O.	ROUGH OPENING
ACT	ACOUSTICAL TILE	E.Q.	EQUAL	JT.	JOINT AND JOINT TRENCH	S.	SOUTH AND SLOPE
ADA	AMERICANS W/ DISABILITIES ACT	EQP.	EQUIPMENT	KIT.	KITCHEN	S.A.	SUPPLY AIR
A.F.F.	AUTHORITY HAVING JURSDICTION	E.S.T.	ESTIMATE	K.O.	KNOCKOUT	S.B.	SPLASH BLOCK
A.H.J.	AREA LIGHTING	E.Q.	EQUAL	LAM.	LAMINATE	S.C.	SOLID CORE
AL.	AREA LIGHTING	E.T.S.	EXPOSED TO STRUCTURE	LAV.	LAVATORY	SCHED.	SCHEDULE
ALUM.	ALUMINUM	E.W.	EACH WAY	LBS.	POUNDS	S.D.	SMOKE DETECTOR
ALT.	ALTERNATIVE	E.W.C.	ELECTRIC WATER COOLER	L.F.	LINEAR FEET	SEAL.	SEALANT
APPROX.	APPROXIMATE	EXH.	EXHAUST	L.P.	LOW POINT	SECT.	SECTION
ARCH.	ARCHITECT	EXT.	EXTERIOR	LS	LANDSCAPING	S.F.	SQUARE FOOT/FEET
AUTO.	AUTOMATIC	F.A.	FIRE ALARM	MAS'Y	MASONRY	SH.T.	SHEET
AW.	ACOUSTICAL WALL	F.C.	FURRING CHANNEL	MAX.	MAXIMUM	SHTG.	SHEETING
BRD.	BOARD	F.D.	FLOOR DRAIN	MDF	MEDIUM DENSITY FIBERBOARD	SIM.	SIMILAR
BULDG.	BUILDING	FDN.	FOUNDATION	MECH.	MECHANICAL	S.J.	SAW CUT JOINT
BLK.	BLOCK	F.E.	FIRE EXTINGUISHER	MTL.	METAL	S.O.	SLAB OPENING
B.M.	BEAM	F.E.C.	FIRE EXTINGUISHER & CABINET	MFR.	MANUFACTURER	SPEC.	SPECIFICATIONS
B.O.	BOTTOM OF	F.F.E.	FINISH FLOOR ELEVATION	M.H.	MANHOLE	SQ.	SQUARE
B.O.C.	BOTTOM OF CURB	F.F.L.	FINISH FLOOR LINE	MIN.	MINIMUM	S.S.	STAINLESS STEEL
BOT.	BOTTOM	F.H.C.	FIRE HOSE CABINET	MIR.	MIRROR	SS.	SANITARY SEWER
BRC.	BEARING	FIN.	FINISH (ED)	MISC.	MISCELLANEOUS	STD.	STANDARD
B.SMT.	BASEMENT	FLG.	FLASHING	MTO.	MASONRY OPENING	STL.	STEEL
BTWN.	BETWEEN	FLR.	FLOOR (ING)	M.D.	MOUNTED	STRUC.	STRUCTURAL
B.U.	BUILT-UP	F.O.	FACE OF	MATL.	MATERIAL (S)	SUSP.	SUSPENDED
B.U.R.	BUILT-UP ROOF	F.O.C.	FACE OF CURB/CONCRETE	MWK.	MILLWORK	T.	TREAD, TRANSFORMER
C.	CONDUIT OR CELCIUS	F.O.F.	FACE OF FINISH	N.	NORTH	T.&B	TOP & BOTTOM
CAB.	CABINET	F.O.M.	FACE OF MASONRY	N.I.C.	NOT IN CONTRACT	T&G	TONGUE & GROOVE
C.B.	CATCH BASIN	FRP.	FIBER REINFORCED PANEL	NO.	NUMBER	TBL.	TABLE
C.C.	CENTER TO CENTER	FT.	FOOT OR FEET	NO. OR #	NOMINAL	TELE.	TELEPHONE
CEM.	CEMENT	FTG.	FOOTING	N.T.S.	NOT TO SCALE	T.F.C.I.	TENANT FURNISHED & CONTRACTOR INSTALLED
CFM.	CUBIC FEET PER MINUTE	FURR.	FURRING	O.C.	ON CENTER (S)	T.F.T.I.	TENANT FURNISHED & TENANT INSTALLED
CFL.	COUNTER FLASHING	G.	GROUND AND NATURAL GAS	O.D.	OUTSIDE DIAMETER	THK.	THICKNESS
C.G.	CORNER GAUGE	GAL.	GALLON	O.D.C.I.	OWNER FURNISHED & CONTRACTOR INSTALLED	THRES.	THRESHOLD
CHT.	CEILING HEIGHT	GALV.	GALVANIZED	O.F.O.I.	OWNER FURNISHED & OWNER INSTALLED	T.O.	TOP OF
C.I.P.	CAST IN PLACE	G.B.	GRAB BAR	O/H	OVERHEAD	T.O.C.	TOP OF CURB/CONCRETE
C.J.	CONTROL JOINT	G.C.	GENERAL CONTRACTOR	OPG	OPENING	T.O.P.	TOP OF PAVEMENT/PARAPET
CL.	COLUMN MOUNT	G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER	O.P.H.	OPPOSITE HAND	T.S.	TUBE STEEL
CL.G.	CLEAR	G.I.	GALVANIZED IRON (STEEL)	OPP.	OPPOSITE	TYP.	TYPICAL
CLR.	CLEAR	G.L.B.	GLUE-LAM BEAM	O.S.A.	ORIENTED STRAND BOARD	U.D.L.	UNIFORM DISTRIBUTED LOAD
C.M.	CONSTRUCTION MANAGER	GND.	GROUND	O.S.B.	ORIENTED STRAND BOARD	U.N.O.	UNLESS NOTED OTHERWISE
CMU.	CONCRETE MASONRY UNIT	G.S.F.	GROSS SQUARE FOOTAGE	P/L	PROPERTY LINE	U.O.N.	UNLESS OTHERWISE NOTED
C.O.	CLEAN-OUT	GYP. BRD.	GYP. BOARD	P.E.M.B	PRE-ENGINEERED METAL BUILDING	V.	VOLTS AND VENT
COL.	COLUMN	H.B.	HOSE BIBB	PER.	PERIMETER	VENT.	VENTILATION
CONC.	CONCRETE	H.D.	HIGH DENSITY	PL.	PLASTIC LAMINATE	VERT.	VERTICAL
CONT.	CONTINUOUS	H.M.	HOLLOW METAL	PLUMB.	PLUMBING	VEST.	VESTIBULE
CONTR.	CONTRACTOR	H.P.	HIGH POINT AND HORSE-POWER	PLYWD.	PLYWOOD	V.I.F.	VERIFY IN FIELD
CONSTR.	CONSTRUCTION	H.T.	HEATING VENTILATING AND AIR CONDITIONING	PNL.	PANEL	V.C.T.	VINYL COMPOSITION TILE
COOR.	COORDINATE	H.VAC	HVAC	PAIR	PAIR	VTR.	VENT THRU ROOF
CORR.	CORRIDOR			PREFIN.	PREFINISHED	W.	WEST, WATTS AND WATER
CORR.	CORRIDOR			P.S.F.	POUNDS PER SQUARE FOOT	W/	WITH
C.T.	CERAMIC TILE			P.V.C.	POLYVINYL CHLORIDE	W/O	WITHOUT
DBL.	DOUBLE			PVMT.	PAVEMENT	WD.	WOOD
DED.	DEDICATED					W.GL.	WIRE GLASS
DET.	DETAIL					W.H.	WATER HEATER
DIA.	DIAMETER					WP.	WATERPROOF
DIM.	DIMENSION					W.P.	WORK POINT
DN.	DOWN					W.W.F.	WELDED WIRE FABRIC
D.S.	DOWNSPOUT						
DSB	DOUBLE STRENGTH						
DWG.	DRAWING						

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CONTACT LIST

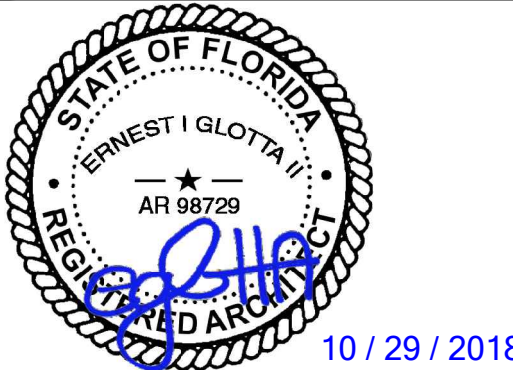
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PRINT RECORD

DATE	PURPOSE
10 / 15 / 2018	OWNER REVIEW
10 / 29 / 2018	CONSTRUCTION ISSUE

No.	Date	Item
REVISIONS		

1821 - A 001 TITLE SHEET.DWG



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POWER & DATA NOTES

1. SYMBOL (A) DENOTES LOCATIONS OF VIDEO MONITORS. REFER TO SHEET A 8.1 FOR SETUP DETAILS.
2. SYMBOL (S) DENOTES LOCATION OF WATER LINE SOLENOID FOR COLLECTION TOILET. INSTALL SOLENOID ABOVE CEILING, ACCESSIBLE FROM THE LAB SIDE. SOLENOID CONTROLLED BY RED SWITCH LOCATED IN THE LAB.
3. ALL OUTLETS AND DATA INSTALLED AT 18" A.F.F., UNLESS NOTED OTHERWISE.
4. ALL DEVICES AND COVER PLATES TO BE WHITE, UNLESS NOTED OTHERWISE.
5. REFER TO INTERIOR ELEVATIONS FOR DIMENSIONS FOR POWER AND DATA DEVICES.

X-RAY GENERAL NOTES

1. VERIFY REQUIREMENTS WITH TENANT SUPPLIED X-RAY EQUIPMENT SHOP DRAWINGS.
2. WOOD BLOCKING FOR X-RAY EQUIPMENT TO BE A MINIMUM OF 1/2" THICK SECURED TO A MINIMUM OF THREE (3) STUDS W/ THE FACE OF BLOCKING FLUSH W/ LINE OF STUDS.
3. VERIFY SHIELDING REQUIREMENTS W/ TENANT SUPPLIED PHYSICIST'S REPORT PRIOR TO INSTALLING LEAD LINING IN WALLS.

X-RAY ELECTRICAL KEY NOTES

- (A) BREAKER ENCLOSURE FLUSH-MOUNTED AT 44" AFF. - 208V-240VAC, THREE PHASE / SHUNT TRIP TYPE BASED ON SPECS BELOW. FURNISH AND INSTALL EMERGENCY OFF SWITCH (EOS) IN GENERAL AREA OF CONTROL ROOM AS SHOWN. PROVIDE 6 SEALTIGHT CONDUIT WITH 18" PIGTAIL ON GENERATOR SIDE. RUN FROM (JB5) TO REAR OF GEN. CABINET, USING TWO (2) 90 DEGREE ELBOWS. REFER TO SCHEMATIC FOR MORE DETAILS.
- (A1) FLUSH-MOUNTED AT 44" AFF. BREAKER ENCLOSURE TO INCLUDE TWO (2) 120VAC/20A BREAKERS/DISCONNECTS FOR SUPPLY TO DESIGNATIONS: (JB5) AND (JB3). LEAVE 6FT PIGTAIL AT JUNCTION BOXES. ELECTRICIAN TO DETERMINE BEST METHOD OF RUN ACCORDING TO LOCAL CODES.
- (JB1) 8"x8" JUNCTION BOX, MOUNTED FLUSH WITH WALL 18" AFF. INSTALL 2" CHASE NIPPLE IN THE CENTER OF COVER.
- (JB2) 6"x6" JUNCTION BOX, MOUNTED FLUSH WITH WALL 48" AFF. INSTALL 2" CHASE NIPPLE IN THE CENTER OF COVER.
- (JB3) 8"x8" FLOOR MOUNTED RECESSED JUNCTION BOX. INSTALL 2" CHASE NIPPLE IN THE CENTER OF COVER.
- (JB4) 8"x8"x4" JUNCTION BOX, MOUNTED FLUSH WITH WALL 18" AFF. PROVIDE A 3"x8" GROMMETED OPENING IN THE COVER.
- (JB5) 8"x8"x4" JUNCTION BOX, MOUNTED FLUSH WITH WALL 18" AFF. PROVIDE A 3"x8" GROMMETED OPENING IN THE COVER.
- (C1) 2" CONDUIT FROM (JB1) TO (JB4) W/ PULL STRING.
- (C2) 2" CONDUIT FROM (JB2) TO (JB4) W/ PULL STRING.
- (C3) 2" CONDUIT UNDER FLOOR, RUN FROM BOTTOM OF (JB4) TO (JB3)
- (C4) 2" CONDUIT FROM (A) TO (JB4) W/ PULL STRING.
- (C5) NOT USED.
- (C6) 3/4" CONDUIT W/ CONDUCTORS FROM (EOS) TO (A)
- (C7) CONDUIT W/ CONDUCTORS FROM (A1) TO (JB5); SIZED PER CODE.
- (C9) CONDUIT W/ CONDUCTORS FROM (A1) TO (JB4); SIZED PER CODE.
- (WL) X-RAY IN USE LIGHT, CONNECT TO RED SWITCH LOCATED INSIDE OF X-RAY ROOM.
- (E2) EMERGENCY OFF SWITCH (SHUNT TRIP TYPE) TO BE CONNECTED TO (A) MOUNTED 48" AFF.

Typical 32kw X-Ray Equipment Power Line Requirements					
Line Voltage	Dist. Transmr.	Wire Size - Distance from Distribution Transformer to Breaker Panel "A"		Breaker Size	Wire Size "A" to "JB5" Max. 15'
Three Phase		50'	100'	200'	
208-240 VAC	45kVa	#2	#00	250MCM	100A #4
400 VAC	45kVa	#6	#4	#1	100A #6
240 VAC	45kVa	#9	#6	#3	100A #6

Electrical Contractor to supply appropriate size conductors and Gnd in appropriate size conduit from "A" Breaker Panel to "JB5" leave 8' pigtail on "JB5" side.

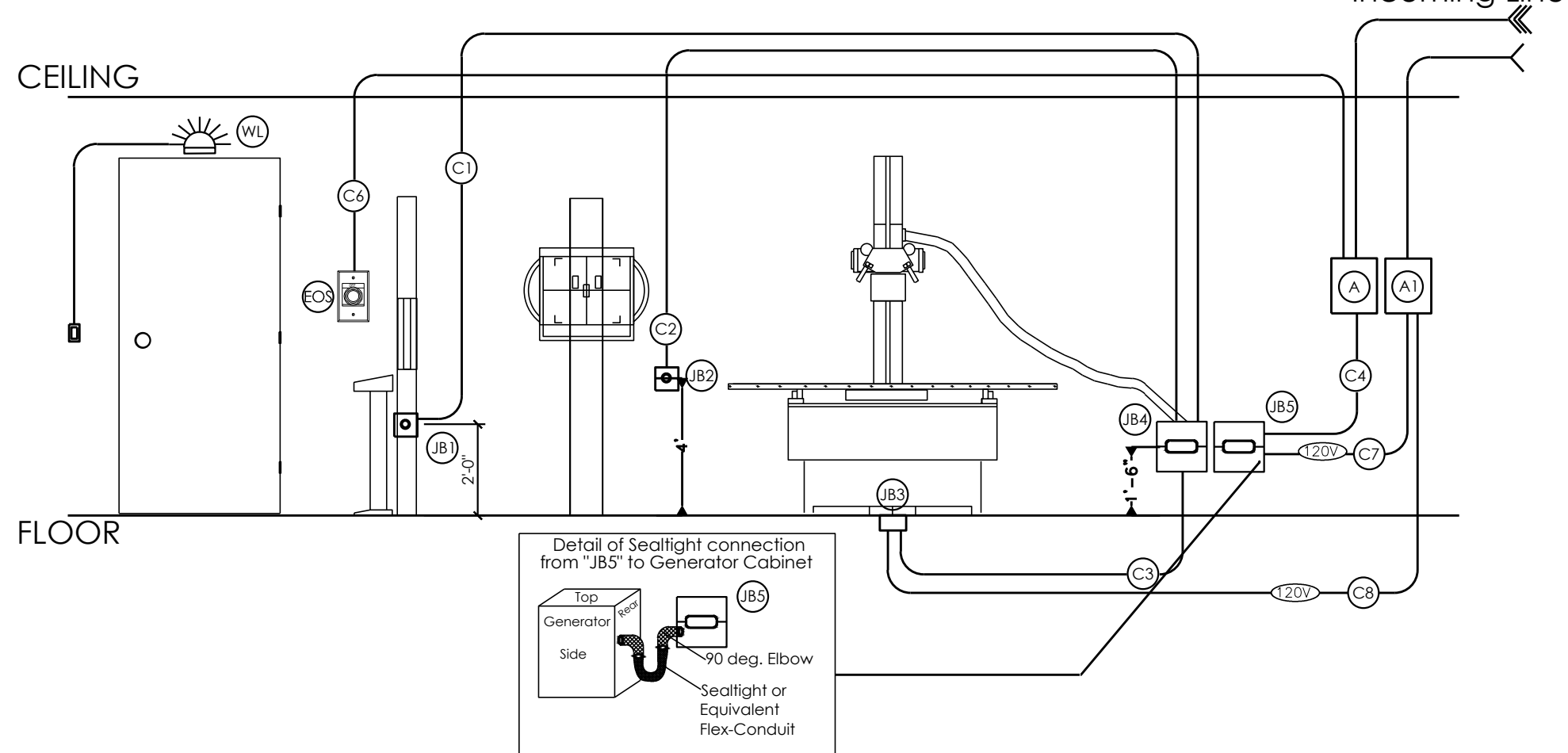
Note: Wire must be made of stranded flexible copper.

Grounding: Insulated grounding must conform with current requirements for electrically susceptible patient areas. See Article 517, National Electrical Code.

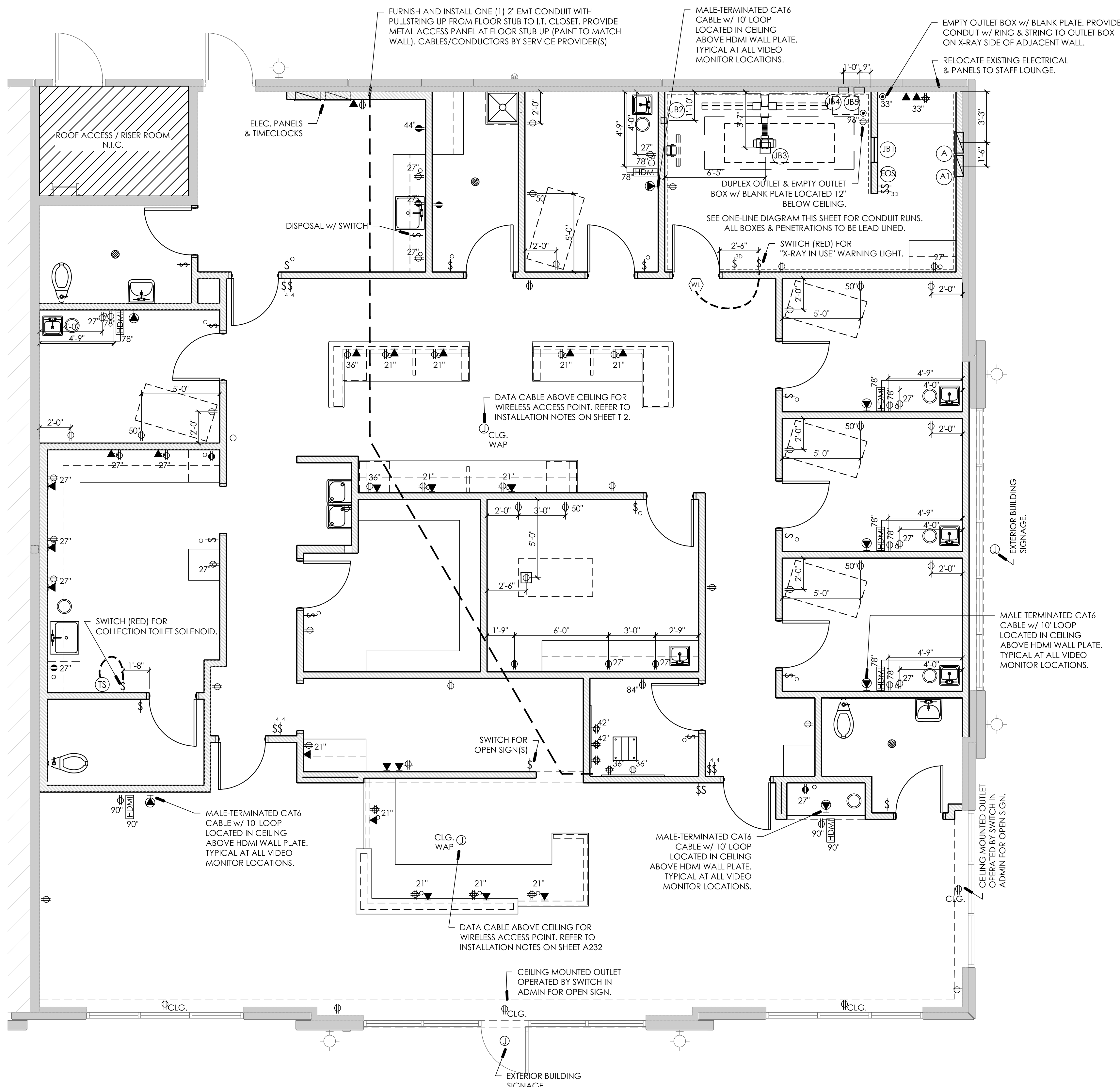
The Disconnect Switch should be a Shunt Trip type and the Emergency Shut-Off Switch should be placed in the Operator Control Area.

Maximum line regulation for maximum kVA demand: 5% under load

Note: All conduit runs should be as short as possible due to cable length limitations.



NEITHER TO SCALE NOR ROOM ORIENTATION
2 X-RAY ONE-LINE DIAGRAM
NOT TO SCALE

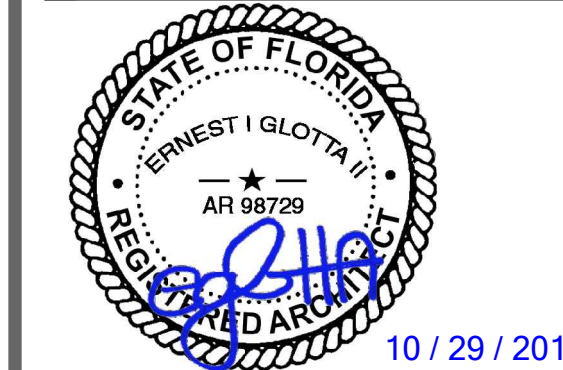


1 POWER & DATA PLAN
SCALE: 1/4" = 1'-0"

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No.	Date	Item

REVISIONS

1821 - A 201 - FLOOR PLAN.DWG



POWER & DATA
PLAN

Project No.	1821
Date	10 / 29 / 2018
Last Revision	-

A 231

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WIRELESS ACCESS POINT INSTALLATION

GENERAL NOTES:

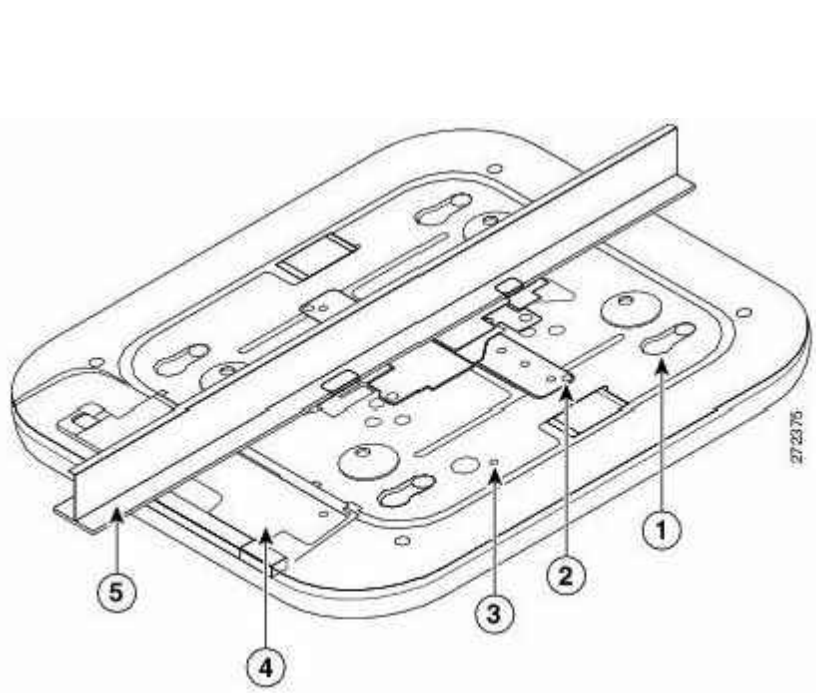
1. REFER TO SHEETS A 2.2 & A 2.3 FOR THE LOCATION OF THE WIRELESS ACCESS POINTS (WAPs).
2. INSTRUCTIONS PROVIDED ON THIS SHEET ARE TO BE CONSIDERED ONLY AS A SUMMARY OF THE INSTALLATION DETAILS PROVIDED WITH EVERY WIRELESS ACCESS POINT. GENERAL CONTRACTOR TO USE THESE INSTRUCTIONS AS A GENERAL GUIDE AND IS DIRECTED TO REFER TO THE CISCO INSTALLATION MANUAL FOR ALL FINAL INSTALLATION PRACTICES AND PROCEDURES.
3. ALL CATEGORIZED CABLING TO WAPs ARE TO BE CONSIDERED DATA CABLES. ALL CABLES TO BE INSTALLED AND TESTED PER ANSI/TIA 568 STANDARDS; LABEL PER ANSI/TIA-606.
4. WIRELESS ACCESS POINTS UTILIZE POWER OVER ETHERNET (PoE); ELECTRICAL OUTLET ARE NOT REQUIRED.

AT WIRELESS ACCESS POINT:

1. AT NOTED LOCATIONS, INSTALL DUAL GANG BACK BOX AND 2-PORT FACEPLATE IN PLENUM, IN EACH FACEPLATE, INSTALL ONE (1) CAT6 8P8C CONNECTOR. TO EACH CONNECTOR, TERMINATE ONE (1) CAT6 CABLE; CABLES TO TERMINATE IN RACK-MOUNTED PATCH PANEL LOCATED IN TELECOMMUNICATIONS ROOM (TR). PROVIDE 15' SERVICE LOOP AT THE WAP END TO ALLOW FOR FUTURE LOCATION ADJUSTMENTS. PROVIDE STANDARD SERVICE LOOP AT TELECOMMUNICATION ROOM. TEST AND LABEL ALL CABLES. FILL UNUSED POSITIONS OF FACEPLATES WITH BLANKS.
2. EACH WAP WILL REQUIRE A MOUNTING BRACKET; GENERAL CONTRACTOR TO FURNISH AND INSTALL THE AIR-AP-BRACKET-1 WHICH WILL PROVIDE A TIGHT FIT TO THE DROP CEILING.
3. EACH MOUNTING BRACKET WILL REQUIRE CEILING GRID CLIPS; THE SELECTION OF THE TYPE OF CLIP IS BASED UPON THE FOLLOWINGS:
 - 3.1. AIR-AP-T-RAIL-R: IF THE CEILING TILES HANG BELOW THE GRID.
 - 3.2. AIR-AP-T-RAIL-F: IF THE CEILING TILES ARE FLUSH WITH THE GRID.
4. INSTALL APPROPRIATE GRID CLIPS TO MOUNTING BRACKET.
5. OPEN THE CEILING GRID CLIP COMPLETELY.
6. PLACE THE CEILING GRID CLIP OVER THE T-RAIL AND CLOSE IT TO THE APPROPRIATE DETENT (A, B OR C).
7. USE A SCREWDRIVER TO TIGHTEN THE TWO CEILING GRID CLIP LOCKING SCREWS TO PREVENT THE CLIP FROM SLIDING ALONG THE T-RAIL.
8. OBSERVE THE CEILING GRID CLIP WIDTH DETENT LETTER (A, B OR C) THAT CORRESPOND TO THE T-CLIP WIDTH.
9. ALIGN THE CORRESPONDING HOLES (A, B OR C) ON THE MOUNTING BRACKET OVER THE MOUNTING HOLES ON THE CEILING GRID CLIP.
10. HOLD THE MOUNTING BRACKET AND INSERT A 6-32 x 1/4" SCREW INTO EACH OF THE FOUR CORRESPONDING HOLES (A, B OR C).
11. DRILL OR CUT A CABLE EGRESS HOLE IN THE CEILING TILE LARGE ENOUGH FOR THE ETHERNET, GROUNDING AND POWER CABLES (IF REQUIRED) TO PASS THROUGH. PULL APPROXIMATELY 12" OF THE CABLES THROUGH THE ACCESS HOLE.
12. USE THE GROUND SCREW TO CONNECT A #14 AWG GROUND WIRE BETWEEN THE WAP AND THE TELECOMMUNICATIONS BOUNDING BACKBONE. SOLDER OR CRIMP A GROUNDING O-RING LUG TO GROUND WIRE. INSERT THE GROUNDING POST SCREW INTO THE O-RING AND INSTALL IT ON THE MOUNTING BRACKET WITH A SCREWDRIVER. INSTALLATION ASSUMES A CIRCUIT LENGTH OF 25'; ADJUST WIRE GAUGE AS REQUIRED BASED ON INSTALLATION.
13. CONNECT THE CAT6 ETHERNET CABLE (AND POWER CABLE, IF REQUIRED) TO THE WIRELESS ACCESS POINT.
14. ALIGN THE WIRELESS ACCESS POINT FEET OVER THE KEYHOLE AMOUNTING SLOTS ON THE MOUNTING BRACKET. MAKE SURE THE WIRELESS ACCESS POINT IS POSITIONED SO THAT THE CABLES REACH THEIR RESPECTIVE PORTS.
15. GENTLY SLIDE THE WIRELESS ACCESS POINT ONTO THE MOUNTING BRACKET UNTIL IT CLICKS INTO PLACE.
16. FURNISH AND INSTALL A KENSINGTON NOTEBOOK MICROSAVER, MODEL 64068, ON EACH WIRELESS ACCESS POINT; LOOP CABLE AROUND A NEARBY IMMOVABLE OBJECT IN PLENUM, PASS THE SECURITY LATCH THROUGH THE CABLE LOOP AND INSERT INTO THE SECURITY SLOT ON THE WIRELESS ACCESS POINT. LOCK THE LATCH AND PROVIDE THE KEY TO THE CLIENT.

AT THE TELECOMMUNICATIONS ROOM (TR):

1. TERMINATE CAT6 CABLE FROM EACH WAP ON A CAT6 RATED 8P8C CONNECTOR MOUNTED IN RACK-MOUNTED PATCH PANEL - TREAT CABLE AS NORMAL DATA CABLE.
2. LABEL AND TEST ALL CABLES; IDENTIFY EXACT LOCATIONS OF WAPs ON AS-BUILT DRAWINGS.



- 1 WAP MOUNTING KEYHOLE
- 2 CEILING GRID CLIP
- 3 GROUNDING POINT
- 4 WAP CABLE ACCESS COVER
- 5 CEILING T-RAIL

3 WIRELESS ACCESS POINT

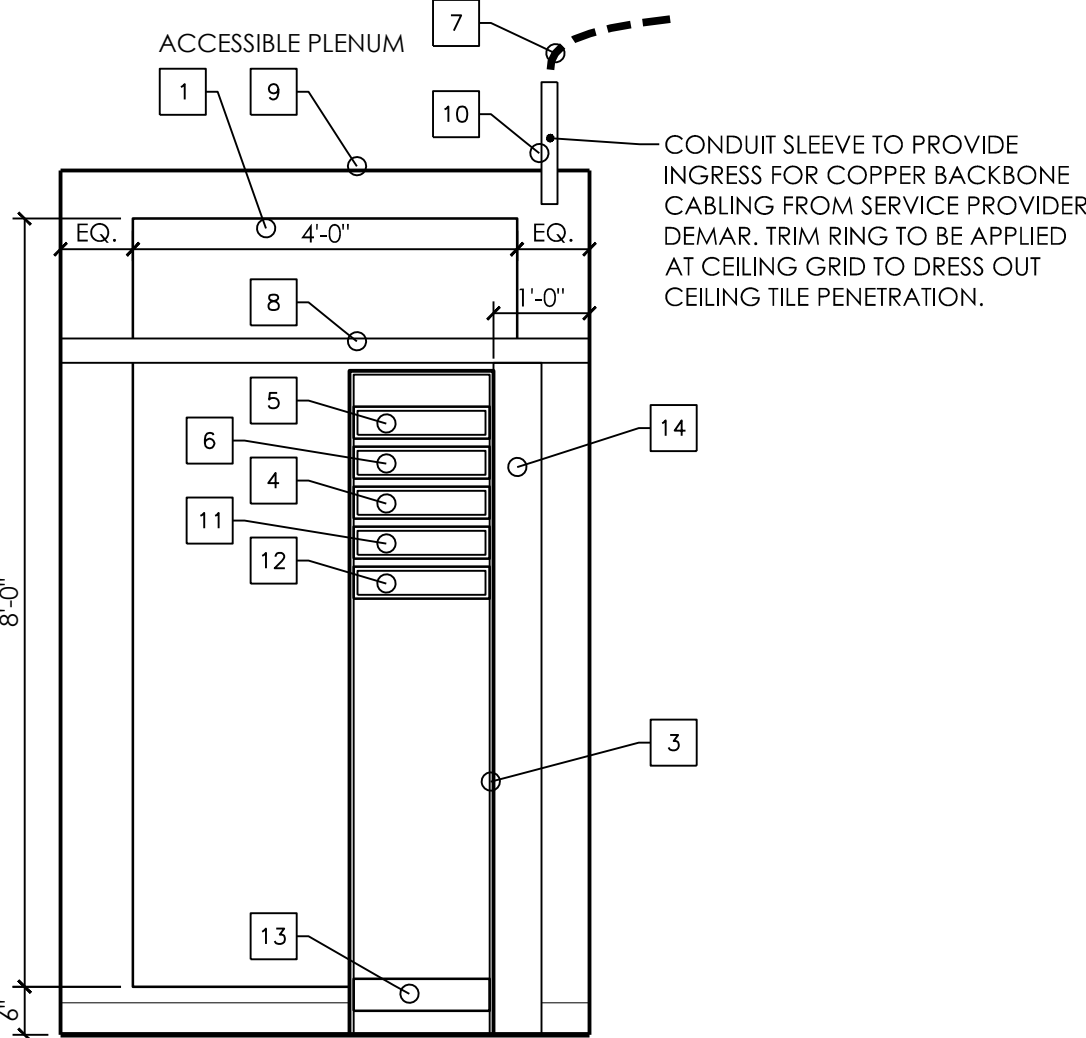
SCALE: N.T.S.

I.T. CLOSET SCHEMATIC KEYED NOTES

1. PROVIDE & INSTALL 3/4" AC RATED FIRE RETARDANT PLYWOOD SHEETS TO WALLS OF I.T. CLOSET AS INDICATED. PAINT ALL 6 SIDES OF EACH SHEET WITH 2 COATS OF WHITE PAINT LEAVING ONE COPY OF THE FIRE RATING STAMP UNPAINTED & VISIBLE FOR EACH SHEET INSTALLED. VOIDS IN PLYWOOD SHALL BE FILLED PRIOR TO PAINTING.
2. PROVIDE DEDICATED 30AMP ELECTRICAL CIRCUIT TO BE UTILIZED BY UPS UNIT. COORDINATE OUTLET PLUG FORMAT, VOLTAGE AND PHASE DETAILS WITH OWNER PROVIDED UPS REQUIREMENTS. LOCATE OUTLET ON WALL ADJACENT TO THE EQUIPMENT RACK, JUST BEHIND VERTICAL CABLE MANAGER, 6" A.F.F. SO UPS UNIT (MOUNTED AT BASE OF EQUIPMENT RACK) POWER CORD CAN EASILY PLUG IN.
3. PROVIDE AND INSTALL TWO-POST FLOOR-MOUNT RACK (CPI MODEL 5503-703 BLACK OR APPROVED EQUAL). BOND EQUIPMENT RACK TO TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) w/ #6 AWG GREEN BONDING STRAP. SECURE EQUIPMENT RACK TO LADDER RACK w/ J-BOLTS.
4. PROVIDE 1RU HORIZONTAL CABLE MANAGEMENT w/ COVER, MODEL ORTRONICS OR-80800010 OR APPROVED EQUAL. INSTALL ABOVE AND BELOW ALL PATCH (VOICE & DATA) PANELS.
5. PROVIDE 48-PORT VOICE PATCH (w/ FEMALE ADAPTER) PANELS; INSTALL QUANTITY TO ENABLE THE TERMINATION OF ALL INSTALLED 25-PAIR AMPHENOL CABLES FROM 110-BLOCK; ORTRONICS MODEL OR-808004041. QUANTITY SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR TO PROVIDE AND EXTEND VOICE BACKBONE TIE CABLING TO NEW VOICE PATCH PANELS (FEMALE ADAPTERS AT PATCH PANELS) w/ 25-PAIR AMPHENOL 50-PIN (MALE PLUG ON ONE END, OPEN ON THE OTHER) AND C-5 CLIPS. PATCH PANEL MODEL ORTRONICS OR-808004941. INSTALL QUANTITY OF VOICE GRADE PATCH PANELS AND 25-PAIR CABLES TO SATISFY THE TERMINATION OF ALL VOICE LINES PLUS 25% FOR GROWTH. QUANTITY SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY. D-RINGS TO BE INSTALLED TO MANAGE 25-PAIR AMPHENOL CABLES TO 110-BLOCK FROM VOICE GRADE PATCH PANELS MOUNTED AT TOP OF EQUIPMENT RACK.
6. PROVIDE 48-PORT MODULAR PATCH PANEL ORTRONICS MODEL OR-PHDPJU48 (USED TO SECURE CAT6 JACKS). LOA ALL PORTS OF PATCH PANEL w/ BLACK 8P8C CAT6 CONNECTORS. INSTALL QUANTITY OF PATCH PANELS TO SATISFY THE TERMINATION OF ALL HORIZONTAL CAT6 CABLING PLUS 25% GROWTH. ALL PATCH PANEL PORTS SHALL HAVE 8P8C BLACK CONNECTORS INSTALLED. U.N.O. ALL PORTS TO BE LABELED NUMERICALLY STARTING WITH #1; NUMBERING TO CONTINUE ON THE NEXT PATCH PANEL(S) (IF PRESENT).
7. CONTRACTOR TO COORDINATE, PROVIDE AND INSTALL A CONTINUOUS 2" (MIN) CONDUIT PATHWAY w/ PULL STRING FROM SERVICE PROVIDER DEMARC (BUILDING EXTERIOR) TO I.T. CLOSET VIA, GROUND CONDUIT RUN TO (TMGB). IDENTIFY PATHWAY RUN ON AS-BUILTS. INSTALL D-RINGS ON PLYWOOD TO BETTER SECURE INCOMING COPPER BACKBONE TO PROTECTED EQUIPMENT TERMINAL (PET) / 110-BLOCK WHERE PET IS REQUIRED, IF NO PET IS PRESENT AT THE SERVICE PROVIDER DEMARC, A PET IS TO BE PROVIDED AND INSTALLED IN THE I.T. CLOSET AND THE TIE CABLE SHALL TERMINATE ON THE PET. GREEN/WHITE CROSS CONNECT WIRE IS TO BE USED TO CROSS CONNECT PET TO 110-BLOCK.
8. PROVIDE LADDER RACK (CHATSWORTH 11275-712) AND ASSOCIATED CHATSWORTH SUPPORT COMPONENTS (WALL ANGLE BRACKET, BUTT-SPICE KITS, JUNCTION-SPICE KITS, ETC) TO PROPERLY INSTALL LADDER RACK IN THE I.T. CLOSET PER MANUFACTURER'S INSTRUCTIONS. BOND ALL SECTIONS OF THE LADDER RACK IN THE I.T. CLOSET w/ #8 AWG BONDING STRAPS. A MINIMUM OF ONE STRAP SHALL ALSO BE BONDED TO THE TMGB.
9. PENETRATIONS MADE FOR TELECOMMUNICATIONS PATHWAYS IN THE I.T. CLOSET CEILING TO BE FRAMED OUT AND CAPABLE OF BEING SEALED TO PREVENT DUST AND OTHER DEBRIS FROM ENTERING THE I.T. CLOSET IN SUCH A MANNER THAT THEY CAN BE RE-ENTERED WITHOUT COMPROMISE. INGRESS OF CABLE TO I.T. CLOSET SHALL BE MADE SO THAT ANY SPACE IN THE PENETRATION NOT FILLED BY CABLE CAN BE SEALED TO PREVENT DUST AND DEBRIS FROM ENTERING THE I.T. CLOSET. DEVICE TO PROVIDE 40% FILL RATIO AND 25% GROWTH. PROVIDE AND INSTALL 4" FROM WALL, 2" CONDUIT SLEEVE FOR BACKBONE COPPER CABLE INGRESS TO I.T. CLOSET. THIS I.T. CLOSET INGRESS SLEEVE TO INTERCONNECT TO CONDUIT PATHWAY TO SERVICE PROVIDER DEMARC (KEY NOTE 7).
11. OWNER PROVIDED AND INSTALLED 48-PORT ETHERNET SWITCH.
12. OWNER PROVIDED AND INSTALLED NETWORK ROUTER.
13. OWNER PROVIDED APC UPS UNIT, UNIT INSTALLED IN BASE OF EQUIPMENT.
14. PROVIDE AND INSTALL 6"x7"x84" VERTICAL CABLE MANAGER; ORTRONICS OR-MM6VMS706.

I.T. CLOSET SCHEMATIC NOTES

1. REFER TO POWER & DATA PANEL FOR LOCATIONS OF ELECTRICAL DEVICES.
2. PROVIDE AND INSTALL TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) HARGER MODEL GB814210TGB (1/2"x10"x24", COPPER w/ INSULATORS) OR APPROVED EQUAL. MOUNTED ON PLYWOOD I.T. CLOSET TERMINAL BOARD 8'-3" A.F.F.; CONTRACTOR TO TIE TMGB BACK TO MAIN ELECTRICAL GROUND w/ 1/2 AWG INSULATED PLENUM RATED COPPER GROUND CABLE (TELECOMMUNICATIONS BONDING BACKBONE - TBB). DOUBLE LUGS ARE TO BE APPLIED TO ALL BONDING STRAPS w/ A COMPRESSION TOOL SIZED FOR THE LUG TO BE INSTALLED. LABEL BOTH ENDS OF TBB WITH "DO NOT DISCONNECT" TAGS. HANG TAGS READABLE FROM FLOOR.
3. COORDINATE WITH SERVICE PROVIDER TO ENSURE PROTECTED EQUIPMENT TERMINAL (PET) IS INSTALLED ON INCOMING OSP COPPER MULTI-PAIR BACKBONE CABLING FOR FACILITY. IF PET DOES NOT EXIST AT SERVICE PROVIDER'S INCOMING MULTI-PAIR DEMARC, PROVIDE AND INSTALL PET (TI NETWORK TECHNOLOGIES MODEL 24100-110-M110C FOR 100-PAIR (MIN) OR APPROVED EQUAL) WITHIN I.T. CLOSET. COORDINATE QUANTITY / SIZE OF PET TO TERMINATE ALL TIE PAIRS TO I.T. CLOSET FROM SERVICE PROVIDER DEMARC. ENSURE PET LOADED IN I.T. CLOSET IS BONDED TO TMGB w/ #6 AWG BONDING STRAP. INSTALL w/ BASE OF PET AT 48" A.F.F. PET TO CROSS-CONNECT TO 110-BLOCK w/ GREEN/WHITE CROSS-CONNECT WIRE AND C5 CLIPS.
4. PROVIDE 110 WIRING BLOCK w/ LEGS, MODEL ORTRONICS OR-30200145; MOUNT BLOCK w/ BASE OF BLOCK 48" A.F.F.
5. PROVIDE 4" CONDUIT SLEEVES (w/ FIRESTOP ASSEMBLIES WHERE REQUIRED TO MAINTAIN FIRE RATINGS) THROUGH WALL AND CEILING ASSEMBLIES TO PROVIDE FOR TELECOMMUNICATIONS PATHWAYS. COORDINATE THE LOCATION OF ALL REQUIRED SLEEVES AND/OR FIRESTOP ASSEMBLIES PRIOR TO IMPLEMENTATION.



2 I.T. CLOSET SCHEMATIC

SCALE: N.T.S.

TELECOMMUNICATIONS GENERAL NOTES

1. ALL TELECOMMUNICATIONS STRUCTURED CABLING SYSTEM (SCS) DESIGN AND INSTALLATION EFFORTS SHALL ADHERE TO THE FOLLOWING; CUSTOMER ESTABLISHED SCS DESIGN AND INSTALLATION GUIDELINES, THE LATEST VERSIONS OF THE SCS INDUSTRY ESTABLISHED STANDARDS (ANSI/TIA 568, 569, 606 AND STD-607), AND THE LOCALLY RECOGNIZED VERSION OF THE NATIONAL ELECTRICAL CODE. ADDITIONALLY, NFPA 70, NFPA 99 AND NFPA 110 SHALL BE ADHERED TO.
2. CONTRACTOR TO PROVIDE A HORIZONTAL PATHWAY PLACED IN A STAR TOPOLOGY WITH THE TELECOMMUNICATIONS ROOM (TR) AS THE CENTER. PATHWAY SHALL CONSIST OF A COMBINATION OF 1" MINIMUM CONDUIT, PULL BOXES AND APPROPRIATELY SIZED OPEN-TOP HOOKS (J-HOOKS). ALL PATHWAYS TO BE SIZED TO PROVIDE FOR A 40% OR LESS FILL RATIO AND A FUTURE CABLE GROWTH OF 25%. INSTALL ALL PATHWAY DEVICES PER MANUFACTURER'S WRITTEN INSTRUCTIONS. SPACING BETWEEN OPEN-TOP HOOKS TO BE NO GREATER THAN 5 FEET; HOOKS TO BE INSTALLED AT ALL CHANGES IN DIRECTION; NO ONE CONDUIT RUN TO BE OVER 90 FEET; PULL BOXES TO BE INSTALLED AFTER TWO (2) BENDS TO FACILITATE CABLING. INSTALLATION, BOND ALL CONTINUOUS PATHWAYS TO TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) WITH #6 AWG BONDING STRAPS.
3. PROVIDE A VERTICAL CONDUIT PATHWAY (MINIMUM SIZE TO BE 1") TO THE PLENUM AREA (CONDUIT TO EXTEND 6" ABOVE CEILING) AT EACH DROP. CONDUIT AT WORK AREA OUTLET (WAO) END SHALL BE TRIMMED OUT WITH AN INSULATING BUSHING; AT THE END IN THE PLENUM A BONDING BUSHING SHALL BE INSTALLED. ALL TELECOMMUNICATION CONDUITS, SLEEVES AND CABLE TRAY SHALL BE BONDED TO THE TELECOMMUNICATIONS BONDING BACKBONE.
4. A DOUBLE-GANG BACK-BOX WITH A SINGLE-GANG PLASTER RING SHALL BE INSTALLED AT THE BASE OF THE VERTICAL CONDUIT. ALL DEVICES SHALL BE INSTALLED TO MATCH THE MOUNTING HEIGHT OF ELECTRICAL DEVICES, UNLESS NOTED OTHERWISE.
5. ALL TELECOMMUNICATION DEVICES AND FACEPLATES TO MATCH COLOR OF ELECTRICAL DEVICES.
6. ALL TELECOMMUNICATIONS PATHWAYS THAT PASS THROUGH FIRE RATED ASSEMBLIES SHALL HAVE THE APPROPRIATELY SIZED AND RATED FIRE STOP ASSEMBLY INSTALLED. INSTALLED ASSEMBLIES SHALL BE RE-ENTERABLE EZ-PATH FIRE STOP ASSEMBLIES OR APPROVED EQUAL. INSTALL ALL FIRE STOP ASSEMBLIES PER MANUFACTURER'S WRITTEN INSTRUCTIONS. CAPACITY OF INSTALLED FIRE STOP ASSEMBLY TO INCLUDE CAPACITY TO PROVIDE THE 40% MINIMUM FILL RATIO AND A FUTURE CABLE GROWTH OF 25%.
7. ALL TELECOMMUNICATIONS DROP LOCATIONS SHALL PROVIDE A SINGLE GANG FACE PLATE (ORTRONICS MODEL OR-40300548 FOR PLASTIC FACEPLATES OR OR-4033TJ12 IF ADJACENT ELECTRICAL DEVICES ARE STAINLESS STEEL) TO SUPPORT THE TERMINATION OF TWO EACH CAT6 PLENUM RATED U/UTP CABLING, UNLESS NOTED OTHERWISE.
8. WHERE INDICATED, WALL MOUNTED TELEPHONE LOCATIONS SHALL HAVE ONLY ONE CABLE; THE FACE PLATE SHALL BE ONE PORT WITH WALL PHONE MOUNTING LUG (ORTRONICS MODEL OR-4033TJ1WP).
9. A SERVICE LOOP SHALL BE PROVIDED AT EACH TELECOMMUNICATIONS DROP WITH A 5' COILED END, SECURED BY PLENUM-RATED HOOK AND LOOP TAPE, WITHIN THE CEILING PLENUM ABOVE.
10. ALL CATEGORIZED (BLUE IN COLOR) CABLE TO BE SUPERIOR ESSEX CMP U/UTP 52-200-28 UNLESS INSTALLED IN WET / DAMP LOCATIONS AS DEFINED BY THE NEC. CABLE INSTALLED IN WET / DAMP LOCATIONS SHALL BE RATED ACCORDINGLY. ALL COMPONENTS LOCATED WITHIN THE PLENUM ARE TO BE PLENUM RATED.
11. ALL TELECOMMUNICATIONS CATEGORIZED CABLING SHALL BE TERMINATED AT THE WORK AREA OUTLET (WAO) USING THE 8P8C CAT6 RATED CONNECTORS (ORTRONICS OR-TJ5E88). THE ANSI/TIA 1568B WIRE MAPPING/PIN-OUT SHALL BE USED TO TERMINATE ALL 8P8C CONNECTORS.
12. CONTRACTOR TO COORDINATE THE LABELING OF ALL SCS COMPONENTS WITH OWNER. LABELING AT WAO FACEPLATE SHALL START WITH THE #1 POSITION. IF MULTIPLE OUTLETS EXIST IN A SINGLE ROOM, WAO FACEPLATES TO BE NUMBERED IN A CLOCKWISE FORMAT AROUND THE ROOM. AT THE PATCH PANEL, THE CABLING ASSOCIATED WITH THE WAO DEVICE SHALL BE LABELED TO MATCH. LABELS AT THE PATCH PANEL TO FLOW HORIZONTALLY, BEGINNING IN PATCH PANEL PORT #1.
13. CONTRACTOR TO MAINTAIN ORDER OF TELECOMMUNICATIONS COMPONENTS AS SHOWN. INSTALLATION OF ADDITIONAL PATCH PANELS AND HORIZONTAL CABLE MANAGERS WILL REQUIRE THE ACTIVE COMPONENTS TO SHIFT DOWNWARD IN THE EQUIPMENT RACK AS REQUIRED.
14. PROVIDE D-RINGS IN TELECOMMUNICATIONS ROOM FOR HORIZONTAL AND BACKBONE CABLE MANAGEMENT.
15. ALL SCS CABLING SHALL HAVE A SELF-LAMINATING LABEL APPLIED AT BOTH ENDS. ALL LABELS SHALL BE READABLE FROM ONE POSITION WHILE STANDING BEHIND THE EQUIPMENT RACK. ALL LABELS AT THE WAO DROPS SHALL BE READABLE WHEN STANDING TO THE RIGHT OF THE FACEPLATE WITH THE CABLES EXTENDED FROM THE BACK BOX.
16. OWNER TO FURNISH AND INSTALL ALL PATCH CABLES FROM ACTIVE SWITCH GEAR TO PATCH PANELS.
17. ALL ACTIVE COMPONENTS TO BE LABELED WITH THEIR IP ADDRESSES; OWNER TO PROVIDE IP ADDRESS INFORMATION.
18. TESTING OF ALL SCS CABLING TO FOLLOW INDUSTRY STANDARDS AS DESCRIBED IN ANSI/TIA-568. A COPY OF THE FULL TEST RESULTS SHALL BE PROVIDED TO THE OWNER ON PAPER AND IN ELECTRONIC FORMAT, NUMERICALLY ORDERED AND DATED. A COPY OF THE MANUFACTURER'S PERFORMANCE AND COMPONENT WARRANTY SHALL BE PROVIDED WITHIN 30 DAYS OF THE COMPLETION OF THE TESTING. CABLE MANUFACTURER TO PROVIDE A 15-YEAR PERMANENT LINK WARRANTY FOR ALL STRUCTURED CABLING INSTALLED.
19. CONTRACTOR TO PROVIDE AS-BUILTS, GENERATED MECHANICALLY, WITH ALL TELECOMMUNICATIONS WORK AREA OUTLETS (WAO) SHOWN. ANY CHANGES FROM THE LOCATIONS SHOWN ON THE POWER & DATA PLAN SHALL BE COORDINATED WITH THE OWNER PRIOR TO MAKING THE CHANGE. EACH DEVICE SHALL BE IDENTIFIED ON THE AS-BUILT DRAWING WITH THE APPLICABLE LABEL IDENTIFIER. CONTRACTOR TO DELIVER AS-BUILT DRAWING TO THE OWNER IN BOTH PAPER AND ELECTRONIC FORMAT.
20. CONTRACTOR TO BOND AND GROUND ALL TELECOMMUNICATIONS PATHWAYS AND TELECOMMUNICATIONS ROOM COMPONENTS PER ANSI/TIA J-STD 607.

CAT6 CABLES FROM IT CLOSET TO EACH VIDEO MONITOR (MAXIMUM 100' LENGTH) LOCATION FURNISHED AND INSTALLED BY GENERAL CONTRACTOR; TERMINATE WITH MALE JACK AND PLUG INTO OWNER PROVIDED TRANSMITTER.

CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT OF SENDER UNIT. MANAGE CABLE WITH HOOK AND LOOP TAPE. CONNECTION TO VIDEO SOURCE BY OTHERS.

HDMI TO SIGNAL SOURCE

POWER CORD TO OUTLET

OWNER FURNISHED VIDEO SIGNAL SPLITTER / TRANSMITTER

RECEIVER UNIT LOCATED ABOVE CEILING AT EACH VIDEO MONITOR LOCATION. (ONE SHOWN FOR CLARITY).

NOTE: SYSTEM POWERED OVER ETHERNET (PoE)

CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT OF RECEIVER UNIT (FEMALE) FACEPLATE LOCATED BEHIND THE VIDEO MONITOR.

TWO-POSITION SINGLE GANGE FACEPLATE w/ LABELING WINDOWS (ORTRONICS OR-KSPF 2-88) MOUNTED IN DOUBLE-GANGE BACKBOX w/ SINGLE-GANG PLASTER RING. FURNISH AND INSTALL HDMI FEMALE TO FEMALE ADAPTER (OR-KSHDMI) IN POSITION 1. PROVIDE BLANK IN POSITION 2.

TO OWNER FURNISHED VIDEO MONITOR

CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT. MANAGE CABLE WITH HOOK AND LOOP TAPE. CONNECTION TO VIDEO MONITOR BY OTHERS.

INSTALLATION AT VIDEO MONITORS (ONE SHOWN FOR CLARITY; TYPICAL AT EACH VIDEO MONITOR LOCATION)

CONTRACTOR TO FURNISH AND INSTALL CAT6 CABLES FROM IT CLOSET TO EACH VIDEO MONITOR LOCATION (ONLY 1 SHOWN FOR CLARITY); LEAVE 10' LOOP OF CABLE. TERMINATE WITH 8P8C MODULAR CONNECTOR AND LABEL EACH END.

RECEIVER UNIT LOCATED ABOVE CEILING AT EACH VIDEO MONITOR LOCATION. (ONE SHOWN FOR CLARITY).

NOTE: SYSTEM POWERED OVER ETHERNET (PoE)

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RECEIVER UNIT LOCATED ABOVE CEILING AT EACH VIDEO MONITOR LOCATION. (ONE SHOWN FOR CLARITY).

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CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT. MANAGE CABLE WITH HOOK AND LOOP TAPE. CONNECTION TO VIDEO MONITOR BY OTHERS.

INSTALLATION AT VIDEO MONITORS (ONE SHOWN FOR CLARITY; TYPICAL AT EACH VIDEO MONITOR LOCATION)

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RECEIVER UNIT LOCATED ABOVE CEILING AT EACH VIDEO MONITOR LOCATION. (ONE SHOWN FOR CLARITY).

NOTE: SYSTEM POWERED OVER ETHERNET (PoE)

CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT OF RECEIVER UNIT (FEMALE) FACEPLATE LOCATED BEHIND THE VIDEO MONITOR.

TWO-POSITION SINGLE GANGE FACEPLATE w/ LABELING WINDOWS (ORTRONICS OR-KSPF 2-88) MOUNTED IN DOUBLE-GANGE BACKBOX w/ SINGLE-GANG PLASTER RING. FURNISH AND INSTALL HDMI FEMALE TO FEMALE ADAPTER (OR-KSHDMI) IN POSITION 1. PROVIDE BLANK IN POSITION 2.

TO OWNER FURNISHED VIDEO MONITOR

CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT. MANAGE CABLE WITH HOOK AND LOOP TAPE. CONNECTION TO VIDEO MONITOR BY OTHERS.

INSTALLATION AT VIDEO MONITORS (ONE SHOWN FOR CLARITY; TYPICAL AT EACH VIDEO MONITOR LOCATION)

CONTRACTOR TO FURNISH AND INSTALL CAT6 CABLES FROM IT CLOSET TO EACH VIDEO MONITOR LOCATION (ONLY 1 SHOWN FOR CLARITY); LEAVE 10' LOOP OF CABLE. TERMINATE WITH 8P8C MODULAR CONNECTOR AND LABEL EACH END.

RECEIVER UNIT LOCATED ABOVE CEILING AT EACH VIDEO MONITOR LOCATION. (ONE SHOWN FOR CLARITY).

NOTE: SYSTEM POWERED OVER ETHERNET (PoE)

CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT OF RECEIVER UNIT (FEMALE) FACEPLATE LOCATED BEHIND THE VIDEO MONITOR.

TWO-POSITION SINGLE GANGE FACEPLATE w/ LABELING WINDOWS (ORTRONICS OR-KSPF 2-88) MOUNTED IN DOUBLE-GANGE BACKBOX w/ SINGLE-GANG PLASTER RING. FURNISH AND INSTALL HDMI FEMALE TO FEMALE ADAPTER (OR-KSHDMI) IN POSITION 1. PROVIDE BLANK IN POSITION 2.

TO OWNER FURNISHED VIDEO MONITOR

CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT. MANAGE CABLE WITH HOOK AND LOOP TAPE. CONNECTION TO VIDEO MONITOR BY OTHERS.

INSTALLATION AT VIDEO MONITORS (ONE SHOWN FOR CLARITY; TYPICAL AT EACH VIDEO MONITOR LOCATION)

CONTRACTOR TO FURNISH AND INSTALL CAT6 CABLES FROM IT CLOSET TO EACH VIDEO MONITOR LOCATION (ONLY 1 SHOWN FOR CLARITY); LEAVE 10' LOOP OF CABLE. TERMINATE WITH 8P8C MODULAR CONNECTOR AND LABEL EACH END.

RECEIVER UNIT LOCATED ABOVE CEILING AT EACH VIDEO MONITOR LOCATION. (ONE SHOWN FOR CLARITY).

NOTE: SYSTEM POWERED OVER ETHERNET (PoE)

CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT OF RECEIVER UNIT (FEMALE) FACEPLATE LOCATED BEHIND THE VIDEO MONITOR.

TWO-POSITION SINGLE GANGE FACEPLATE w/ LABELING WINDOWS (ORTRONICS OR-KSPF 2-88) MOUNTED IN DOUBLE-GANGE BACKBOX w/ SINGLE-GANG PLASTER RING. FURNISH AND INSTALL HDMI FEMALE TO FEMALE ADAPTER (OR-KSHDMI) IN POSITION 1. PROVIDE BLANK IN POSITION 2.

TO OWNER FURNISHED VIDEO MONITOR

CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT. MANAGE CABLE WITH HOOK AND LOOP TAPE. CONNECTION TO VIDEO MONITOR BY OTHERS.

INSTALLATION AT VIDEO MONITORS (ONE SHOWN FOR CLARITY; TYPICAL AT EACH VIDEO MONITOR LOCATION)

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NOTE: SYSTEM POWERED OVER ETHERNET (PoE)

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TO OWNER FURNISHED VIDEO MONITOR

CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT. MANAGE CABLE WITH HOOK AND LOOP TAPE. CONNECTION TO VIDEO MONITOR BY OTHERS.

INSTALLATION AT VIDEO MONITORS (ONE SHOWN FOR CLARITY; TYPICAL AT EACH VIDEO MONITOR LOCATION)

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RECEIVER UNIT LOCATED ABOVE CEILING AT EACH VIDEO MONITOR LOCATION. (ONE SHOWN FOR CLARITY).

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TWO-POSITION SINGLE GANGE FACEPLATE w/ LABELING WINDOWS (ORTRONICS OR-KSPF 2-88) MOUNTED IN DOUBLE-GANGE BACKBOX w/ SINGLE-GANG PLASTER RING. FURNISH AND INSTALL HDMI FEMALE TO FEMALE ADAPTER (OR-KSHDMI) IN POSITION 1. PROVIDE BLANK IN POSITION 2.

TO OWNER FURNISHED VIDEO MONITOR

CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT. MANAGE CABLE WITH HOOK AND LOOP TAPE. CONNECTION TO VIDEO MONITOR BY OTHERS.

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TO OWNER FURNISHED VIDEO MONITOR

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NOTE: SYSTEM POWERED OVER ETHERNET (PoE)

CONTRACTOR TO INSTALL OWNER FURNISHED HDMI CABLE IN HDMI PORT OF RECEIVER UNIT (FEMALE) FACEPLATE LOCATED BEHIND THE VIDEO MONITOR.

ABBREVIATIONS AND SYMBOLS											
MECHANICAL				PLUMBING			ELECTRICAL				
PIPING DESIGNATIONS		EQUIPMENT DESIGNATIONS		PIPING SYMBOLS		PIPING DESIGNATIONS		POWER SYMBOLS		ABBREVIATIONS	
<div><div>CHS</div><div>CHILLED WATER SUPPLY</div></div> <div><div>CHR</div><div>CHILLED WATER RETURN</div></div> <div><div>CWS</div><div>CONDENSER WATER SUPPLY</div></div> <div><div>CWR</div><div>CONDENSER WATER RETURN</div></div> <div><div>HWS</div><div>HEATING WATER SUPPLY</div></div> <div><div>HWR</div><div>HEATING WATER RETURN</div></div> <div><div>HPWS</div><div>HEAT PUMP WATER SUPPLY</div></div> <div><div>HPWR</div><div>HEAT PUMP WATER RETURN</div></div> <div><div>E</div><div>EXPANSION LINE</div></div> <div><div>CD</div><div>CONDENSATE DRAIN</div></div>		<div><div>AC</div><div>AIR COMPRESSOR</div></div> <div><div>AF</div><div>AIR FILTER</div></div> <div><div>AH/AHU</div><div>AIR HANDLING UNIT</div></div> <div><div>AS</div><div>AIR SEPARATOR</div></div> <div><div>BF</div><div>BOOSTER FAN</div></div> <div><div>CP</div><div>CIRCULATING PUMP</div></div> <div><div>CRAC</div><div>COMPUTER ROOM AIR CONDITIONER</div></div> <div><div>CT</div><div>COOLING TOWER</div></div> <div><div>CU</div><div>CONDENSING UNIT, AIR COOLED</div></div> <div><div>CVT</div><div>CONSTANT VOLUME FAN TERMINAL COOL/HEAT</div></div> <div><div>EDH</div><div>ELECTRIC DUCT HEATER</div></div> <div><div>EF</div><div>EXHAUST FAN</div></div> <div><div>EUH</div><div>ELECTRIC UNIT HEATER</div></div> <div><div>FCU</div><div>FAN COIL UNIT</div></div> <div><div>FD</div><div>FIRE DAMPER</div></div> <div><div>FPB</div><div>FAN POWERED BOX</div></div> <div><div>FSD</div><div>FIRE/SMOKE COMBINATION DAMPER</div></div> <div><div>GRV</div><div>GRAVITY ROOF VENTILATOR</div></div> <div><div>GUH</div><div>GAS-FIRED UNIT HEATER</div></div> <div><div>HC</div><div>HEATING COIL</div></div> <div><div>HP</div><div>HEAT PUMP, AIR SOURCE</div></div> <div><div>HUM</div><div>HUMIDIFIER</div></div> <div><div>HX</div><div>HEAT EXCHANGER</div></div> <div><div>IRH</div><div>INFRARED HEATER</div></div> <div><div>KEF</div><div>KITCHEN EXHAUST FAN</div></div> <div><div>KSF</div><div>KITCHEN SUPPLY FAN</div></div> <div><div>MAU</div><div>MAKE-UP AIR UNIT</div></div> <div><div>MD</div><div>MOTORIZED DAMPER</div></div> <div><div>RTU</div><div>ROOF TOP UNIT</div></div> <div><div>SA</div><div>SOUND ATTENUATOR</div></div> <div><div>SD</div><div>SMOKE DAMPER</div></div> <div><div>SF</div><div>SUPPLY FAN</div></div> <div><div>VAV</div><div>VARIABLE VOLUME TERMINAL - COOL ONLY</div></div> <div><div>VFD</div><div>VARIABLE FREQUENCY DRIVE</div></div> <div><div>VRF</div><div>VARIABLE REFRIGERANT FLOW</div></div> <div><div>VSD</div><div>VARIABLE SPEED DRIVE</div></div> <div><div>VVT</div><div>VARIABLE VOLUME & TEMPERATURE</div></div> <div><div>WH</div><div>WALL HEATER</div></div> <div><div>WHP</div><div>HEAT PUMP, WATER SOURCE</div></div>		<div><div></div><div>PIPING UP</div></div> <div><div></div><div>PIPING DOWN</div></div> <div><div></div><div>CAPPED PIPE TERMINATION</div></div> <div><div></div><div>CONNECTION BOTTOM OF MAIN</div></div> <div><div></div><div>CONNECTION TOP OF MAIN</div></div> <div><div></div><div>DIRECTION OF FLOW</div></div> <div><div></div><div>SLOPE DOWN IN DIRECTION SHOWN</div></div> <div><div></div><div>CONCENTRIC REDUCER</div></div> <div><div></div><div>ECCENTRIC REDUCER</div></div> <div><div></div><div>GATE VALVE</div></div> <div><div></div><div>BALL VALVE</div></div> <div><div></div><div>BUTTERFLY VALVE</div></div> <div><div></div><div>GLOBE VALVE</div></div> <div><div></div><div>TEMPERATURE & PRESSURE RELIEF VALVE</div></div> <div><div></div><div>GAS COCK</div></div> <div><div></div><div>PRESSURE REGULATING VALVE</div></div> <div><div></div><div>CHECK VALVE</div></div> <div><div></div><div>HYDRAULIC SHOCK ARRESTOR</div></div> <div><div></div><div>SOLENOID VALVE</div></div> <div><div></div><div>ANGLE VALVE</div></div> <div><div></div><div>GAUGE COCK</div></div> <div><div></div><div>AIR VENT</div></div> <div><div></div><div>PRESSURE GAUGE</div></div> <div><div></div><div>STRAINER</div></div> <div><div></div><div>THERMOMETER WELL</div></div> <div><div></div><div>EXPANSION JOINT</div></div> <div><div></div><div>UNION</div></div> <div><div></div><div>HOSE BIBB OR HYDRANT</div></div> <div><div></div><div>THERMOMETER</div></div> <div><div></div><div>P-TRAP</div></div> <div><div></div><div>FLOOR DRAIN/FLOOR SINK WITH P-TRAP</div></div> <div><div></div><div>HUB DRAIN WITH P-TRAP</div></div> <div><div></div><div>FLOOR CLEANOUT OR GRADE CLEANOUT</div></div> <div><div></div><div>CLEANOUT OR WALL CLEANOUT</div></div> <div><div></div><div>DOUBLE CHECK BACKFLOW PREVENTER</div></div> <div><div></div><div>REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER</div></div> <div><div></div><div>CONNECT TO EXISTING</div></div>		<div><div></div><div>EXISTING TO REMAIN</div></div> <div><div></div><div>EXISTING TO BE REMOVED/DEMOLISHED</div></div> <div><div></div><div>DOMESTIC COLD WATER</div></div> <div><div></div><div>DOMESTIC HOT WATER</div></div> <div><div></div><div>DOMESTIC HOT WATER RETURN</div></div> <div><div></div><div>FIRE PROTECTION</div></div> <div><div></div><div>NATURAL GAS</div></div> <div><div></div><div>WATER SERVICE</div></div> <div><div></div><div>COMPRESSED AIR</div></div> <div><div></div><div>VACUUM</div></div> <div><div></div><div>INDIRECT WASTE</div></div> <div><div></div><div>SANITARY SEWER</div></div> <div><div></div><div>SANITARY VENT</div></div> <div><div></div><div>PRIMARY ROOF DRAIN</div></div> <div><div></div><div>OVERFLOW ROOF DRAIN</div></div> <div><div></div><div>STORM DRAIN</div></div> <div><div></div><div>BELOW GRADE SUB-SOIL DRAIN</div></div> <div><div></div><div>ACID WASTE</div></div> <div><div></div><div>ACID VENT</div></div> <div><div></div><div>GREASE WASTE</div></div> <div><div></div><div>TRAP PRIMER SUPPLY</div></div>		<div><div></div><div>AIR COMPRESSOR</div></div> <div><div></div><div>CIRCULATION PUMP</div></div> <div><div></div><div>EXPANSION TANK</div></div> <div><div></div><div>ELECTRIC WATER COOLER</div></div> <div><div></div><div>FLOOR DRAIN</div></div> <div><div></div><div>FIRE PUMP</div></div> <div><div></div><div>FLOOR SINK</div></div> <div><div></div><div>HOSE BIBB</div></div> <div><div></div><div>HUB DRAIN</div></div> <div><div></div><div>JOCKEY PUMP</div></div> <div><div></div><div>LAVATORY</div></div> <div><div></div><div>MOP SINK</div></div> <div><div></div><div>NON FREEZE WALL HYDRANT</div></div> <div><div></div><div>PRESSURE REDUCING VALVE</div></div> <div><div></div><div>REDUCED PRESSURE BACKFLOW PREVENTER</div></div> <div><div></div><div>RELIEF VALVE</div></div> <div><div></div><div>SINK</div></div> <div><div></div><div>SHOCK ARRESTOR</div></div> <div><div></div><div>SEWAGE EJECTOR</div></div> <div><div></div><div>SHOWER</div></div> <div><div></div><div>SUMP PUMP</div></div> <div><div></div><div>TRENCH DRAIN</div></div> <div><div></div><div>THERMOSTATIC MIXING VALVE</div></div> <div><div></div><div>TRAP PRIMER</div></div> <div><div></div><div>URINAL</div></div> <div><div></div><div>WATER CLOSET</div></div> <div><div></div><div>WASHER CONNECTION BOX</div></div> <div><div></div><div>WATER HEATER</div></div>			
MECHANICAL SYMBOLS				EQUIPMENT DESIGNATIONS			LIGHT FIXTURE LABELING		LIFE SAFETY SYMBOLS		
<div><div></div><div>NEW FAN POWERED BOX</div></div> <div><div></div><div>EXISTING FAN POWERED BOX</div></div> <div><div></div><div>DEMOLISHED FAN POWERED BOX</div></div> <div><div></div><div>RELOCATED FAN POWERED BOX</div></div> <div><div></div><div>NEW VAV</div></div> <div><div></div><div>EXISTING VAV</div></div> <div><div></div><div>DEMOLISHED VAV</div></div> <div><div></div><div>RELOCATED VAV</div></div> <div><div></div><div>NEW DUCTWORK</div></div> <div><div></div><div>EXISTING DUCTWORK</div></div> <div><div></div><div>DEMOLISHED DUCTWORK</div></div> <div><div></div><div>SUPPLY OR OUTSIDE AIR DUCT</div></div> <div><div></div><div>RETURN OR EXHAUST AIR DUCT</div></div> <div><div></div><div>DUCT TURNING UP</div></div> <div><div></div><div>DUCT TURNING DOWN</div></div> <div><div></div><div>CLEAR INSIDE DUCT DIMENSION, FIRST VALUE IS DUCT WIDTH</div></div> <div><div></div><div>DUCT TRANSITION</div></div> <div><div></div><div>DUCT TAP WITH MANUAL VOLUME DAMPER</div></div> <div><div></div><div>NEW SUPPLY AIR GRILLE</div></div> <div><div></div><div>NEW RETURN AIR GRILLE</div></div> <div><div></div><div>NEW EXHAUST AIR GRILLE</div></div> <div><div></div><div>EXISTING SUPPLY AIR GRILLE</div></div> <div><div></div><div>EXISTING RETURN AIR GRILLE</div></div> <div><div></div><div>EXISTING EXHAUST AIR GRILLE</div></div> <div><div></div><div>DEMOLISHED SUPPLY AIR GRILLE</div></div> <div><div></div><div>DEMOLISHED RETURN AIR GRILLE</div></div> <div><div></div><div>DEMOLISHED EXHAUST AIR GRILLE</div></div> <div><div></div><div>SIDEWALL OUTLET</div></div> <div><div></div><div>SIDEWALL INLET</div></div> <div><div></div><div>THERMOSTAT/SENSOR</div></div> <div><div></div><div>HUMIDISTAT</div></div> <div><div></div><div>DUCT SMOKE DETECTOR</div></div>		<div><div></div><div>MANUAL VOLUME DAMPER (VD)</div></div> <div><div></div><div>FIRE DAMPER (FD)</div></div> <div><div></div><div>SMOKE DAMPER (SD)</div></div> <div><div></div><div>FIRE/SMOKE COMBINATION DAMPER (FSD)</div></div> <div><div></div><div>AUTOMATIC DAMPER, OPPOSED BLADE</div></div> <div><div></div><div>AUTOMATIC DAMPER, PARALLEL BLADE</div></div> <div><div></div><div>BACK DRAFT DAMPER</div></div>		<div><div></div><div>FIRE DEPARTMENT VALVE WITH CABINET</div></div> <div><div></div><div>FLOW SWITCH</div></div> <div><div></div><div>ALARM VALVE</div></div> <div><div></div><div>DRY PIPE VALVE</div></div> <div><div></div><div>SIAMESE CONNECTION</div></div> <div><div></div><div>EXPOSED TYPE SIAMESE CONNECTION</div></div> <div><div></div><div>INSPECTORS TEST CONNECTION</div></div> <div><div></div><div>MOTOR GONG</div></div> <div><div></div><div>O.S.&Y. VALVE</div></div> <div><div></div><div>TAMPER SWITCH</div></div> <div><div></div><div>FLOOR CONTROL VALVE</div></div> <div><div></div><div>FIRE HOSE VALVE</div></div>		<div><div></div><div>UPPERCASE LETTER - INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE</div></div> <div><div></div><div>LOWERCASE LETTER - INDICATED SWITCHING GROUP</div></div> <div><div></div><div>NUMBER INDICATES CIRCUIT</div></div> <div><div></div><div>NL - INDICATES NIGHT LIGHT</div></div> <div><div></div><div>FIXTURE WITH BI-LEVEL SWITCHING. LOWER CASE LETTERS INDICATE SWITCH LEGS</div></div>		<div><div></div><div>UNSWITCHED EMERGENCY FIXTURE WITH BATTERY BACKUP</div></div> <div><div></div><div>EXIT SIGN WITH BATTERY BACKUP</div></div> <div><div></div><div>FLUSH MOUNTED CEILING SPEAKER ASSEMBLY WITH BACK BOX, TRANSFORMER, AND CEILING BAFFLE (WHITE)</div></div> <div><div></div><div>FIRE ALARM STROBE - VISUAL ONLY COORDINATE FINISH WITH ARCHITECT</div></div> <div><div></div><div>FIRE ALARM STROBE - COMBINATION AUDIO & VISUAL COORDINATE FINISH WITH ARCHITECT</div></div> <div><div></div><div>FIRE ALARM HORN - AUDIO ONLY COORDINATE FINISH WITH ARCHITECT</div></div> <div><div></div><div>FIRE ALARM MANUAL PULL STATION COORDINATE FINISH WITH ARCHITECT</div></div> <div><div></div><div>FIRE ALARM SMOKE DETECTOR - 120V W/ BATTERY BACK UP. COORDINATE FINISH WITH ARCHITECT X=DD (DUCT DETECTOR), X=SS (SINGLE STATION) X=ER (ELEVATOR RECALL)</div></div> <div><div></div><div>FIRE ALARM HEAT DETECTOR - 120V W/ BATTERY BACK UP COORDINATE FINISH WITH ARCHITECT</div></div> <div><div></div><div>HATCHED FIXTURE INDICATES UNSWITCHED FIXTURE ON EMERGENCY CIRCUIT OR BATTERY PACK BATTERY PACKS SHALL BE SELF-TESTING TYPE AND SHALL BE RATED FOR 90 MINUTES</div></div>			
MECHANICAL/PLUMBING ABBREVIATIONS						LIGHT SWITCH SYMBOLS					
<div><div>AFF</div><div>ABOVE FINISH FLOOR</div></div> <div><div>AFG</div><div>ABOVE FINISHED GRADE</div></div> <div><div>A/C</div><div>ABOVE CEILING</div></div> <div><div>BAS</div><div>BUILDING AUTOMATION SYSTEM - SEE EMCS</div></div> <div><div>B/F</div><div>BELOW FLOOR</div></div> <div><div>BFF</div><div>BELOW FINISHED FLOOR</div></div> <div><div>B/G</div><div>BELOW GRADE</div></div> <div><div>BRF</div><div>BELOW RAISED FLOOR</div></div>		<div><div>CLG</div><div>CEILING</div></div> <div><div>CO</div><div>CLEANOUT</div></div> <div><div>DCO</div><div>DOUBLE CLEANOUT</div></div> <div><div>DS</div><div>DOWNSPOUT</div></div> <div><div>EMCS</div><div>ENERGY MANAGEMENT & CONTROL SYSTEM</div></div> <div><div>FCO</div><div>FLOOR CLEANOUT</div></div> <div><div>FLR</div><div>FLOOR</div></div> <div><div>GCO</div><div>GRADE CLEANOUT</div></div>		<div><div>GW</div><div>GREASE WASTE</div></div> <div><div>HW</div><div>HOT WATER</div></div> <div><div>HWR</div><div>HOT WATER RETURN</div></div> <div><div>MTD</div><div>MOUNTED</div></div> <div><div>OD</div><div>OVERFLOW DRAIN</div></div> <div><div>ODN</div><div>OVERFLOW DOWNSPOUT NOZZLE</div></div> <div><div>PRV</div><div>PRESSURE REDUCING VALVE</div></div> <div><div>RD</div><div>ROOF DRAIN</div></div>		<div><div>RV</div><div>RELIEF VALVE</div></div> <div><div>SD</div><div>STORM DRAIN</div></div> <div><div>SS</div><div>SANITARY SEWER</div></div> <div><div>SV</div><div>SANITARY VENT</div></div> <div><div>UNO</div><div>UNLESS NOTED OTHERWISE</div></div> <div><div>VTR</div><div>VENT THRU ROOF</div></div> <div><div>WCO</div><div>WALL CLEANOUT</div></div>		<div><div>\$</div><div>SINGLE POLE SWITCH</div></div> <div><div>\$3</div><div>THREE WAY SWITCH</div></div> <div><div>\$4</div><div>FOUR WAY SWITCH</div></div> <div><div>φ</div><div>DIMMER SWITCH</div></div> <div><div>\$WP</div><div>WEATHERPROOF SWITCH</div></div> <div><div>\$M</div><div>MANUAL MOTOR CONTROLLER, MOTOR RATED</div></div> <div><div>\$OS</div><div>OCCUPANCY SENSOR SWITCH</div></div> <div><div>□</div><div>WALL MOUNTED OCCUPANCY SENSOR</div></div> <div><div>□</div><div>CEILING MOUNTED OCCUPANCY SENSOR</div></div>			

GENERAL NOTES

MECHANICAL NOTES:

- IT IS THE INTENT AND MEANING OF THE CONSTRUCTION DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE A MECHANICAL INSTALLATION THAT IS COMPLETE AND ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLY INCIDENTAL, OR CUSTOMARILY INCLUDED EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN.
- THE CONTRACTOR SHALL MAKE A CAREFUL EXAMINATION OF THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE REQUIREMENTS OF THE CONTRACT. UPON COMMENCEMENT OF CONSTRUCTION FOR THE WORK INCLUDED IN THIS CONTRACT, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH A STUDY OR EXAMINATION AND THAT HE IS FAMILIAR WITH AND ACCEPTS ALL CONDITIONS OF THE PREMISES.
- PROVIDE EQUIPMENT, MATERIALS, LABOR, SUPERVISION AND SERVICES NECESSARY FOR OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATING HVAC OR PLUMBING SYSTEM AS SHOWN OR INDICATED ON THE DRAWINGS AND/OR AS SPECIFIED. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO PROTECT ALL EXISTING OPERATIONS AND PROPERTY ADJACENT WITH WHICH WORK COMES IN CONTACT OR OVER WHICH HE MAY TRANSPORT, HOIST OR MOVE MATERIALS, EQUIPMENT, DEBRIS, ETC. AND SHALL REPAIR SATISFACTORILY ALL DAMAGES CAUSED BY HIM DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE WITH NEW MATERIALS AND/OR EQUIPMENT FAILING TO GIVE SATISFACTORY SERVICE DURING THE WARRANTY PERIOD. THE CONTRACTOR SHALL COORDINATE AND NOTIFY THE BUILDING OWNER AND OPERATOR FOR APPROVAL AND SCHEDULING OF ANY BUILDING OR EXISTING TENANT SYSTEM INTERRUPTION.
- MATERIALS AND WORKMANSHIP SHALL COMPLY WITH CONTRACT DOCUMENTS, APPLICABLE CODES AND STANDARDS, AND, IN THE CASE OF DIFFERENCES BETWEEN APPLICABLE CODES AND STANDARDS AND THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT/ENGINEER AND THE OWNER IN WRITING OF SUCH DIFFERENCES. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH REQUIREMENTS OF APPLICABLE CODES AND STANDARDS, HE SHALL BEAR ALL COSTS ARISING IN CORRECTING SUCH DEFECTS. APPLICABLE CODES AND STANDARDS SHALL INCLUDE ALL ORDINANCES, UTILITY COMPANY REGULATIONS AND APPLICABLE REQUIREMENTS OF NATIONALLY ACCEPTED CODES AND STANDARDS.
- THE DRAWINGS WERE PREPARED FROM THE BEST INFORMATION AVAILABLE, BUT DO NOT ATTEMPT TO INDICATE THE LOCATION OF ALL EXISTING EQUIPMENT. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE CONDITIONS SURROUNDING THE INSTALLATION OF HIS WORK PRIOR TO PROCEEDING WITH THE INSTALLATION. CHANGES REQUIRED TO THE DESIGN SHOWN ON THESE DRAWINGS DUE TO EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER/OWNER FOR REVIEW BY WAY OF SHOP DRAWINGS OR SKETCHES DETAILING THE EXISTING CONDITIONS AND THE PROPOSED CHANGE.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS FOR SERVICE INTENDED, AS INTERPRETED BY THE ENGINEER. EXPERIENCED CRAFTSMEN SHALL MAKE THE INSTALLATION OF ALL EQUIPMENT IN A NEAT WORKMANSHIP LIKE MANNER. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, TOOLS, COST AND SERVICE NECESSARY TO COMPLETELY INSTALL ALL MECHANICAL WORK. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE AS SCHEDULED OR APPROVED EQUAL.
- COORDINATE THERMOSTAT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. DO NOT INSTALL THERMOSTAT ABOVE DIMMER SWITCH.
- PROPERLY SUPPORT ALL EQUIPMENT AND PIPING WITHIN THE BUILDING AND PROVIDE ADEQUATE PROVISIONS FOR SLOPE AND ANCHORAGE. CONTRACTOR SHALL USE HANGERS, RODS AND INSERTS APPROVED BY UNDERWRITERS LABORATORIES FOR THE SERVICE INTENDED, SECURELY SUPPORTED BY STRUCTURAL MEMBERS WHICH IN TURN ARE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE.
- PROVIDE VIBRATION ISOLATION FOR MOTOR DRIVEN MECHANICAL EQUIPMENT.
- ALL FANS SHALL CARRY THE CERTIFIED RATING SEAL AUTHORIZED BY AMCA.
- PROVIDE FLEXIBLE DUCTWORK CONNECTIONS AT EQUIPMENT.
- DUCTWORK SHALL BE CONSTRUCTED ACCORDING TO SMACNA STANDARDS. DUCT AND FIRE DAMPER SIZES SHOWN ARE AIRSTREAM DIMENSIONS. ALL LONGITUDINAL AND TRANSVERSE SEAMS AND DUCT CONNECTIONS SHALL BE SECURELY FASTENED AND SEALED WITH TAPES OR MASTICS MEETING UL 181A OR UL181B, WELDS, OR GASKETS.
- INSULATE NEW SUPPLY AND RETURN DUCTWORK AND PLENUMS WITH EITHER EXTERNAL INSULATION TYPE IV DUCT WRAP OR INTERNAL DUCT LINER, 1.5 PCF MINIMUM DENSITY. (SIZES SHOWN ARE AIRSTREAM DIMENSIONS.) DUCTWORK AND PLENUMS WITHIN UNCONDITIONED SPACES SHALL HAVE MINIMUM R-6 INSULATION. EXTERIOR DUCTWORK SHALL HAVE MINIMUM R-8 INSULATION.
- DIFFUSERS, REGISTERS AND GRILLES SHALL BE BUILDING STANDARD UNLESS NOTED OTHERWISE AND SHALL BE PROVIDE WITH FRAMES COMPATIBLE WITH CEILING TYPE. DO NOT SPAN AIR DEVICES OVER PARTITIONS.
- PROVIDE AN AIR BALANCING DEVICE FOR EACH SUPPLY AIR OUTLET AND ZONE TERMINAL DEVICE. PROVIDE YOUNG REGULATORS WITH BOWDEN CABLE CONTROL FOR ALL DAMPERS ABOVE INACCESSIBLE CEILING. COORDINATE EXACT LOCATION OF ESCUTCHEONS IN CEILING WITH ARCHITECT PRIOR TO INSTALLATION.
- CONTRACTOR TO VERIFY RETURN AIR PATH AND INCORPORATE RETURN AIR TRANSFER THROUGH WALLS AS NECESSARY. OPENING SIZED FOR A MAXIMUM OF 500 FPM UNLESS NOTED OTHERWISE.
- COORDINATE ALL WALLS TO DECK WITH EXISTING DUCTWORK AND EXISTING TERMINAL UNITS.
- BALANCING OF WATER AND AIR SYSTEMS SHALL BE PROVIDED UNDER THIS CONTRACT FOR ALL SYSTEMS WITHIN TENANT BORDERS AND ADJACENT AREAS THAT MAY BE AFFECTED BY BALANCING FOR THIS TENANT. BALANCING CONTRACTOR TO REVIEW DRAWINGS AND NOTIFY THE CONTRACTOR OF APPURTENANCES NEEDED FOR A PROPERLY BALANCED SYSTEM. TEST AND BALANCE CONTRACTOR TO BE T.A.B. CO.
- PROVIDE NEBB CERTIFIED AIR BALANCE REPORT.
- COLD AND HOT WATER PIPING SHALL BE TYPE L HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS. PROVIDE SOFT COPPER PIPING UNDER SLAB TO AVOID UNDERGROUND FITTINGS.
- INSULATE DOMESTIC HOT WATER AND RECIRCULATION LINES (1" THICK) AND DOMESTIC COLD WATER LINES (1/2" THICK) WITH OWENS CORNING FIBERGLASS 25 ASJ, JOHNS-MANVILLE AP OR APPROVED EQUAL. SEALED TO PREVENT SWEATING AND CONTINUOUS THROUGH WALLS, FLOORS, CEILINGS. ALL HOT WATER PIPING SHALL BE INSULATED PER THE ENERGY CODE. COLD WATER PIPING SHALL BE INSULATED IN EXTERIOR WALLS, CEILINGS OR IN SPACES EXPOSED TO OUTDOOR TEMPERATURES WITH 1" THICK FIBERGLASS INSULATION.
- SOIL, WASTE AND DRAIN PIPING, 2" AND LARGER, SHALL BE SERVICE WEIGHT CAST IRON. WASTE PIPING BELOW THE SLAB SHALL HAVE BELL AND SPIGOT CAST IRON MANUFACTURED TO ASTM A 74 WITH TY-SEAL GASKETS MANUFACTURED TO ASTM C 564. CAST IRON PIPING ABOVE THE SLAB SHALL BE "NO-HUB" PIPE AND FITTINGS MANUFACTURED TO CISPI 301. VENT PIPING MAY BE SCHEDULE 40 GALVANIZED STEEL, DWV COPPER OR SERVICE WEIGHT CAST IRON. ALL CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE AND BE LISTED WITH NSF INTERNATIONAL. LABORATORY CHEMICAL WASTE SYSTEMS SHALL BE SCHEDULE 40 CPVC MANUFACTURED TO ASTM F 2618. CHARLOTTE PIPE OR APPROVED EQUIVALENT. IF APPROVED BY LOCAL CODES, SOIL, WASTE, AND DRAIN PIPING, 2" AND LARGER, SHALL BE POLYVINYL CHLORIDE (PVC) SCHEDULE 40 PIPING, ASTM AND NSF STAMPED AND APPROVED. FITTINGS SHALL BE PVC SCHEDULE 40 ASTM STAMPED AND APPROVED.
- HOT WATER CIRCULATING SYSTEMS OR HOT WATER HEAT TRACE SHALL HAVE TIMECLOCK CAPABLE CONTROL.
- PLUMBING FIXTURES AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED COMPLETE WITH TRIM AND ALL OTHER APPURTENANCES REQUIRED TO CONNECT TO ROUGH-IN PIPING AT FLOORS AND WALLS UNLESS OTHERWISE SPECIFIED.
- WATER HEATING EQUIPMENT WITHOUT INTEGRAL HEAT TRAPS WILL HAVE HEAT TRAPS INSTALLED ON THE SUPPLY AND DISCHARGE PIPING.
- PVC PIPING LOCATED IN PLENUM RETURN MUST MEET ASTM E84 AND HAVE A FIRE SPREAD OF 25/50. ALL PIPING SHALL MEET ALL LOCAL CODE AND AMENDMENT REQUIREMENTS.
- EXISTING EQUIPMENT NOTES:
A. CONTRACTOR SHALL INSPECT EXISTING PLUMBING AND HVAC EQUIPMENT PRIOR TO SUBMITTING HIS BID.
B. CONTRACTOR SHALL INCLUDE IN HIS BID A THOROUGH START-UP SERVICING AND CLEANING OF ALL EXISTING EQUIPMENT. PLACE ALL EXISTING SYSTEMS/EQUIPMENT IN PROPER OPERATING ORDER.
C. IF REPAIRS ARE NECESSARY TO PLACE EXISTING EQUIPMENT IN WORKING ORDER, PROVIDE OWNER WITH A DETAILED WRITTEN REPORT OF NECESSARY REPAIRS AND A COST PROPOSAL TO PERFORM THE WORK. ALL SUCH SERVICE REPORTS SHALL BE DELIVERED TO THE OWNER WITHIN TWO DAYS OF NOTICE TO PROCEED. OWNER RESERVES THE RIGHT TO HAVE ANY REQUIRED REPAIRS DONE BY OTHERS AND TO SEEK OTHER OPINIONS OR REQUIRED REPAIRS.
- PROVIDE INSTALLATION, OPERATION AND MAINTENANCE MANUALS TO THE OWNER.
- STANDARD NO-HUB COUPLINGS SHALL CONFORM TO CISPI 310 (MOST CURRENT EDITION) AND SHALL BE LISTED BY NSF INTERNATIONAL.
- HEAVY DUTY COUPLINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM 1540 AND FM 1680 CLASS I.
- COMPRESSION GASKETS FOR HUB & SPIGOT SHALL CONFORM TO THE REQUIREMENTS OF ASTM STANDARD C 564 AND ASTM C 1563 (MOST CURRENT EDITION)
- JOINTS FOR PIPE AND FITTINGS SHALL CONFORM TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND LOCAL CODE REQUIREMENTS.

ELECTRICAL NOTES:

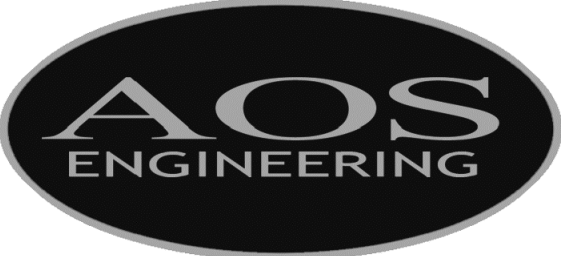
- FOR EXACT LIGHT FIXTURE LOCATIONS, LIGHT FIXTURE SPECIFICATIONS, EXACT RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS, REFER TO ARCHITECTURAL PLANS AND DETAILS. MEP PLANS ARE FOR CIRCUITING INFORMATION AND LIFE SAFETY ONLY.
- COORDINATE SWITCH/DIMMER LOCATIONS AND SWITCHING/DIMMING PATTERNS WITH ARCHITECT PRIOR TO INSTALLATION.
- POKE-THROUGH/FLOOR BOX SPECIFICATIONS SHALL BE AS FOLLOWS:
DUPLEX - WALKER RC3 (OR EQUIVALENT)
QUADRAPLEX - WALKER RC4 (OR EQUIVALENT)
FURNITURE FEED (TWO DEVICES SHOWN) - WALKER RC7FFTC FOR POWER, WALKER RC900AM-114 FOR TELE/DATA (OR EQUIVALENTS)
FURNITURE FEED (ONE DEVICE SHOWN) - WALKER RC9FFTC COMBINATION POWER/TELE/DATA TOMBSTONE (OR EQUIVALENT)
SLAB ON GRADE FLOOR BOX - WALKER OMNIBOX 880CS3-1 (OR EQUIVALENT)
- TENANT'S CABLING VENDOR TO VERIFY THAT TELE/DATA POKE-THROUGH QUANTITIES SHOWN ON PLANS ARE SUFFICIENT FOR CABLING REQUIREMENTS. CONTACT AOS/ARCHITECT IF ADDITIONAL DEVICES ARE REQUIRED.
- PROVIDE OUTLET BOXES FOR ALL RECEPTACLES, SWITCHES, TELE/DATA DEVICES, ETC. AS REQUIRED PER PLANS.
- ALL WET LOCATION RECEPTACLES (WITHIN 6' OF WET LOCATION) SHALL BE RATED 'GFI'. ALL OUTDOOR RECEPTACLES SHALL BE RATED 'WP' AND 'GFI'. ALL VENDING MACHINE RECEPTACLES TO BE GFI PROTECTED.
- ALL RECEPTACLES SHALL BE GROUNDED. ALL DEVICES TO MATCH BUILDING STANDARD TYPE, U.N.O. ON PLANS. ALL FINISHES SHALL BE SELECTED BY ARCHITECT.
- COORDINATE WITH BUILDING MANAGEMENT AND STRUCTURAL ENGINEER PRIOR TO INSTALLING ANY PENETRATIONS THROUGH SLABS, FIRE RATED WALLS, AND ROOFS TO VERIFY ANY X-RAY OR OTHER REQUIREMENTS NECESSARY PRIOR TO PERFORMING WORK. FINISHED INSTALLATION SHALL MAINTAIN FIRE PROOF, WATER PROOF, AND STRUCTURAL INTEGRITY OF SYSTEM PENETRATED.
- ALL 120V BRANCH CIRCUITS ARE PROTECTED BY 1P/20A BREAKERS U.N.O. ON PLANS.
- AT ALL LOCATIONS WHERE MULTIPLE SWITCHES ARE LOCATED TOGETHER, CONTRACTOR SHALL GANG SWITCHES UNDER ONE COVER PLATE.
- ALL NEW LIGHT FIXTURES TO BE PROVIDED WITH LAMPS INCLUDED. ALL NEW/RELOCATED LIGHT FIXTURES SHALL BE SUPPORTED FROM ABOVE STRUCTURE. SEPARATE FROM CEILING GRID. PROVIDE AND INSTALL ALL REQUIRED ACCESSORIES RECOMMENDED BY MANUFACTURER FOR A COMPLETE INSTALLATION. CLEAN AND RELAMP ALL EXISTING TO REMAIN FIXTURES AS REQUIRED, VERIFY EXACT SCOPE IN FIELD.
- ALL CONDUCTORS ARE TO BE COPPER, #12 GAUGE MINIMUM. CIRCUITS OF 120V EXCEEDING 115 FEET SHALL BE #10 GAUGE MINIMUM. CONTROL WIRING SHALL BE #14 GAUGE MINIMUM. ALL CONNECTIONS SHALL BE MADE WITH U.L. LISTED CONNECTORS. UPSIZE ALL SHARED NEUTRALS TO #10 WIRE.
- DEMOLISH ALL UNUSED CONDUIT AND WIRING BACK TO SOURCE.
- UTILIZE EXISTING BASE BUILDING EMERGENCY LIGHTING CIRCUITS FOR ALL EMERGENCY FIXTURES AND EXIT SIGNS. VERIFY MAXIMUM OF 16A PER CIRCUIT AFTER ADDITION OF NEW FIXTURES. IN THE ABSENCE OF EMERGENCY CIRCUITS, PROVIDE AND INSTALL BATTERY PACKS IN ALL EMERGENCY FIXTURES AND EXIT SIGNS.
- IF ENERGY MANAGEMENT SYSTEM (EMS) IS PRESENT IN BUILDING, CONTRACTOR TO ROUTE ALL LIGHTING CIRCUITS THROUGH EMS AS DIRECTED BY BUILDING ENGINEER. COORDINATE IN FIELD.
- PROVIDE POWER TO ALL NEW HVAC, VAV BOXES, DAMPERS, ETC. FROM NEAREST 120V GENERAL PURPOSE CIRCUIT OR FROM BUILDING HVAC CONTROL PANEL AS REQUIRED. MATCH BUILDING STANDARD. COORDINATE ANY CONNECTIONS TO CONTROL SYSTEM WITH BUILDING ENGINEER. VERIFY LOCATIONS AND QUANTITIES WITH MECHANICAL PLANS. PROVIDE LOCAL DISCONNECT SWITCH AT EQUIPMENT.
- STEEL EMT CONDUIT SHALL BE UTILIZED FOR ALL HOME RUNS, 3/4" U.N.O. ON PLANS. MC CABLE SHALL BE ALLOWED FOR BRANCH WIRING BETWEEN LIGHTS AND RECEPTACLES U.N.O.
- FOR EACH SINGLE PHASE OR THREE PHASE MOTOR, CONTRACTOR TO INSTALL LOCAL DISCONNECT. REFERENCE PLANS FOR DISCONNECT TYPE.
- ALL FEEDERS AND BRANCH WIRING (120-208V), CONTROL WIRING, AND COMMUNICATION WIRING (LOW VOLTAGE) SHALL BE COMPLETELY ENCLOSED IN ELECTRICAL RACEWAY FROM SOURCE TO TERMINATION. INSTALL NYLON PULL CORD IN ALL RACEWAYS. ALL RACEWAYS SHALL BE FULLY SUPPORTED FROM SOURCE TO TERMINATION. PROVIDE AND INSTALL ALL SUPPORTING MEANS AS REQUIRED FOR A COMPLETE SYSTEM. CONTRACTOR TO INSTALL PULL BOXES, JUNCTION BOXES, WIREWAYS, ETC. WHERE REQUIRED PER NEC FOR A COMPLETE, CODE COMPLIANT SYSTEM.
- CONTRACTOR TO REFERENCE MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF ALL HVAC/PLUMBING EQUIPMENT PRIOR TO SUBMITTING BID AND ROUTING CIRCUITRY. CONTACT AOS IMMEDIATELY IF MECHANICAL/PLUMBING PLANS SHOW EQUIPMENT THAT IS NOT CIRCUITED ON ELECTRICAL PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE POWER TO ALL NEW HVAC/PLUMBING EQUIPMENT, TO ENSURE A COMPLETE, WORKABLE SYSTEM.
- CONTRACTOR TO OBTAIN APPROVAL FROM BUILDING MANAGEMENT FOR ANY SHUTDOWNS REQUIRED. UNDER NO CIRCUMSTANCES SHALL ANY ELECTRICAL DISTRIBUTION EQUIPMENT BE SHUT DOWN WITHOUT THE EXPRESS PERMISSION OF BUILDING MANAGEMENT.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE TO PROPERTY (OR ADJACENT PROPERTY) CAUSED BY HIM DURING CONSTRUCTION AND FOR THE REPLACEMENT/REPAIR THEREOF.
- CONTRACTOR SHALL HONOR ALL GUARANTEE COMMITMENTS FOR THE DESIGNATED TIME FRAME. REPLACE/REPAIR ANY FAILING EQUIPMENT/SYSTEMS AS DIRECTED BY BUILDING MANAGEMENT DURING THIS TIME FRAME.
- ALL NEW EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO PROVIDE AND INSTALL ALL APPURTENANCES NECESSARY FOR A COMPLETE INSTALLATION.
- ALL WORK SHALL FULLY COMPLY WITH ALL APPLICABLE CODES. CONTACT AOS AND/OR LOCAL CODE OFFICIALS TO RESOLVE ANY QUESTIONS REGARDING CODE ISSUES PRIOR TO PERFORMING WORK. SHOULD CONTRACTOR PROCEED WITH WORK IN QUESTION WITHOUT COORDINATING WITH CODE OFFICIALS, CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH RE-WORK DUE TO CODE VIOLATIONS.
- PRIOR TO SUBMITTING BID, CONTRACTOR TO VISIT SITE TO FAMILIARIZE HIM/HER SELF WITH ALL EXISTING FIELD CONDITIONS. NOTIFY ARCHITECT/AOS OF ANY ITEMS DISCOVERED THAT ARE NOT COVERED ON PLANS THAT WILL AFFECT PRICING.
- REFERENCE PLANS FOR ALL NEW EQUIPMENT LOCATIONS. MANUFACTURER OF ALL NEW DISTRIBUTION EQUIPMENT SHALL MATCH BUILDING STANDARD. VERIFY MANUFACTURER DURING SITE VISIT. ALL NEW PANELBOARDS TO HAVE COPPER BUS.
- FINISHED WORK TO FULLY COMPLY WITH ALL BASE BUILDING STANDARDS. OBTAIN MANUAL OF BUILDING STANDARDS FROM BUILDING MANAGEMENT PRIOR TO SUBMITTING BID AND BEGINNING WORK.
- ALL SURFACE MOUNTED RACEWAY SHALL BE ALUMINUM WITH DIVIDER. RACEWAYS SHALL BE SIZED PER NEC FOR WIRE QUANTITY THROUGH RACEWAY. FINISH OF RACEWAY TO BE SELECTED BY ARCHITECT.
- UPDATE ALL AFFECTED PANEL SCHEDULES UPON COMPLETION OF WORK. UPDATED SCHEDULES MUST BE TYPED.
- ALL ELECTRIC ROOM INSTALLATIONS SHALL BE DONE IN SUCH A WAY AS TO MAXIMIZE WALL/FLOOR SPACE FOR FUTURE EQUIPMENT.
- THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR SUBMITTING FIRE ALARM CONSTRUCTION DOCUMENTS TO LOCAL OFFICIALS FOR PERMIT. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT QUANTITIES AND LOCATIONS OF ALL FIRE ALARM DEVICES TO MEET ALL APPLICABLE CODES AND FOR DETERMINING REQUIREMENTS FOR CONNECTIONS TO EXISTING BUILDING FIRE ALARM SYSTEM TO ENSURE A COMPLETE, WORKABLE SYSTEM. INSTALL NEW FIRE ALARM SYSTEM IN BUILDING WHERE DIRECTED BY LOCAL CODE OFFICIALS.
- CONTRACTOR SHALL PROVIDE ALL ITEMS AND ACCESSORIES AS REQUIRED PER ALL RELATED MANUFACTURER'S RECOMMENDATIONS TO PROVIDE A COMPLETE, WORKABLE ELECTRICAL SYSTEM PER THE INTENT OF THE CONTRACT DOCUMENTS, EVEN THOUGH ALL NECESSARY ITEMS AND ACCESSORIES ARE NOT SHOWN ON PLANS.
- CONTRACTOR TO INSTALL A GROUNDING SYSTEM THAT FULLY COMPLIES WITH THE NEC AND ANY LOCAL CODES.
- CONTRACTOR TO INSTALL CONDUIT WITH PULL STRING FROM BUILDING TELEPHONE CLOSET TO TENANT'S PHONE BOARD. COORDINATE EXACT CONDUIT SIZE AND CONDUIT ROUTING IN FIELD WITH TENANT AND BUILDING ENGINEER.
- CONTRACTOR TO ROUTE 1-#6 INSULATED GROUND WIRE FROM BUILDING GROUND RISER TO TENANT TELEPHONE BOARD. IF TENANT HAS COPPER GROUND BAR IN SERVER/IT ROOM, CONTRACTOR MAY UTILIZE IT TO SERVE #6 GROUND WIRE TO PHONE BOARD. COORDINATE EXACT GROUNDING REQUIREMENTS IN FIELD WITH TELEPHONE SYSTEM INSTALLER PRIOR TO INSTALLING GROUND WIRE.
- IN KITCHEN AREAS, ALL SINGLE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 50A OR LESS AND ALL THREE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 100A OR LESS TO BE GFCI PROTECTED PER NEC 210.8.

DEMOLITION NOTES:

- PROTECT THE EXISTING EQUIPMENT AND SYSTEMS TO REMAIN OPERATIONAL. IF DAMAGED OR DISTURBED IN THE COURSE OF THE DEMOLITION WORK, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE WITH NEW PRODUCT OF EQUAL CAPACITY, QUALITY AND FUNCTIONALITY.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER TO ARRANGE THE SHUT OFF OF UTILITIES.
- CONTRACTOR SHALL BOX AND/OR PALLETIZE ALL DEMOLISHED EQUIPMENT AND PROTECT IT ON SITE. REMOVE THESE ITEMS FROM THE SITE AT THE DIRECTION OF THE OWNER.
- CONTRACTOR SHALL NOT CONSIDER DEMOLITION AND ALTERATION NOTES TO BE ALL-INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ASSESS EACH AREA TO FULFILL THE INTENT OF THE COMPLETE DESIGN. REFER TO ARCHITECTURAL DOCUMENTS FOR DEFINITION OF SCOPE FOR DEMOLITION AREAS AND ADDITIONAL REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE TO CONFIRM THE EXTENT OF DEMOLITION AND RESOLVE ANY DISCREPANCIES WITH OWNER'S/LANDLORD'S CONSTRUCTION MANAGER.
- FOR DEMOLITION AREAS, THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND FIRE SUPPRESSION DEMOLITION DRAWINGS AND REMOVE WIRING, RACEWAYS, AND ELECTRICAL EQUIPMENT ASSOCIATED WITH THE MECHANICAL, PLUMBING AND FIRE SUPPRESSION DEMOLITION.
- ENSURE THAT ALL LIFE SAFETY SYSTEMS REMAIN OPERATIONAL AND MEET LIFE SAFETY CODE REQUIREMENTS FOR ALL OCCUPIED AREAS THAT REMAIN OPERATIONAL DURING/AFTER DEMOLITION. THIS INCLUDES, BUT IS NOT LIMITED TO, EGRESS PATHWAYS, FIRE ALARM SYSTEMS, EGRESS LIGHTING AND OTHER LIFE SAFETY SYSTEMS.
- PROTECT EXISTING EQUIPMENT AND SYSTEMS INTENDED TO REMAIN OPERATIONAL. IF DAMAGED OR DISTURBED IN THE COURSE OF THE DEMOLITION WORK, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE WITH NEW PRODUCT OF EQUAL CAPACITY, QUALITY AND FUNCTIONALITY.
- RE-ROUTE AND RE-CONNECT ANY CIRCUIT(S) THAT ARE TO REMAIN IN USE BUT INTERFERES WITH THE NEW CONSTRUCTION.
- WORK REQUIRING INTERRUPTION OF ELECTRICAL POWER, WHICH WOULD ADVERSELY AFFECT THE NORMAL OPERATION OF THE OWNER/LANDLORD'S PROPERTY OR OTHER BUILDING TENANTS, SHALL BE DONE AT A TIME OTHER THAN NORMAL WORKING HOURS. SCHEDULE ALL OUTAGES WITH OWNER/LANDLORD PRIOR TO SHUTDOWN.
- OWNER/LANDLORD RESERVES THE RIGHTS TO ALL DEMOLISHED MATERIALS. COORDINATE AND VERIFY EQUIPMENT INTENDED TO BE SALVAGED PRIOR TO DEMOLITION. MATERIALS THAT OWNER/LANDLORD REQUESTS TO BE RE-USED OR SALVAGED, THE MATERIALS SHALL BE REMOVED IN A NEAT WORKMAN LIKE METHOD TO ALLOW THEIR RE-USE. PROTECT THE SALVAGE MATERIALS FOR REUSE BY PROPERLY PACKAGING THE MATERIALS TO PROTECT SALVAGED MATERIALS FROM DAMAGE; SECURELY PACKAGE ALL SALVAGE MATERIAL'S INSTALLATION HARDWARE AND PARTS TO SALVAGED MATERIALS.
- REMOVE UNUSED BRANCH CIRCUITS BACK TO BRANCH PANELBOARD OF ORIGIN, MARK BREAKER AS "SPARE" AND MAKE ELECTRICALLY SAFE. REMOVE ALL ABANDONED CONDUITS ABOVE LAY-IN CEILING, EXPOSED CONDUITS, FLEXIBLE CONDUITS, SURFACE RACEWAY, SURFACE MOUNTED OUTLET/JUNCTION BOXES, AND EQUIPMENT UNLESS NOTED OTHERWISE.
- REMOVE DEMOLISHED MATERIAL FROM PROJECT SITE IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND REGULATIONS. FOLLOW ALL STATE AND LOCAL REGULATIONS AND CODES FOR PROPER DISPOSAL.



CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER DISCIPLINES



5020 Tennyson Parkway - Plano, TX 75024
Dallas / Fort Worth 214.432.3030
Houston 832.532.2007

CareSpot Urgent Care

Lee Vista Center

8132 Lee Vista Boulevard, Suite 102
Orlando, Florida 32801

90% CONSTRUCTION DOCUMENTS

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REVISIONS		

COVER SHEET
NOTES

Project No.	1821
Date	2018-10-29
Last Revision	-

MEP-2

AOS JOB #: 2039-008-18



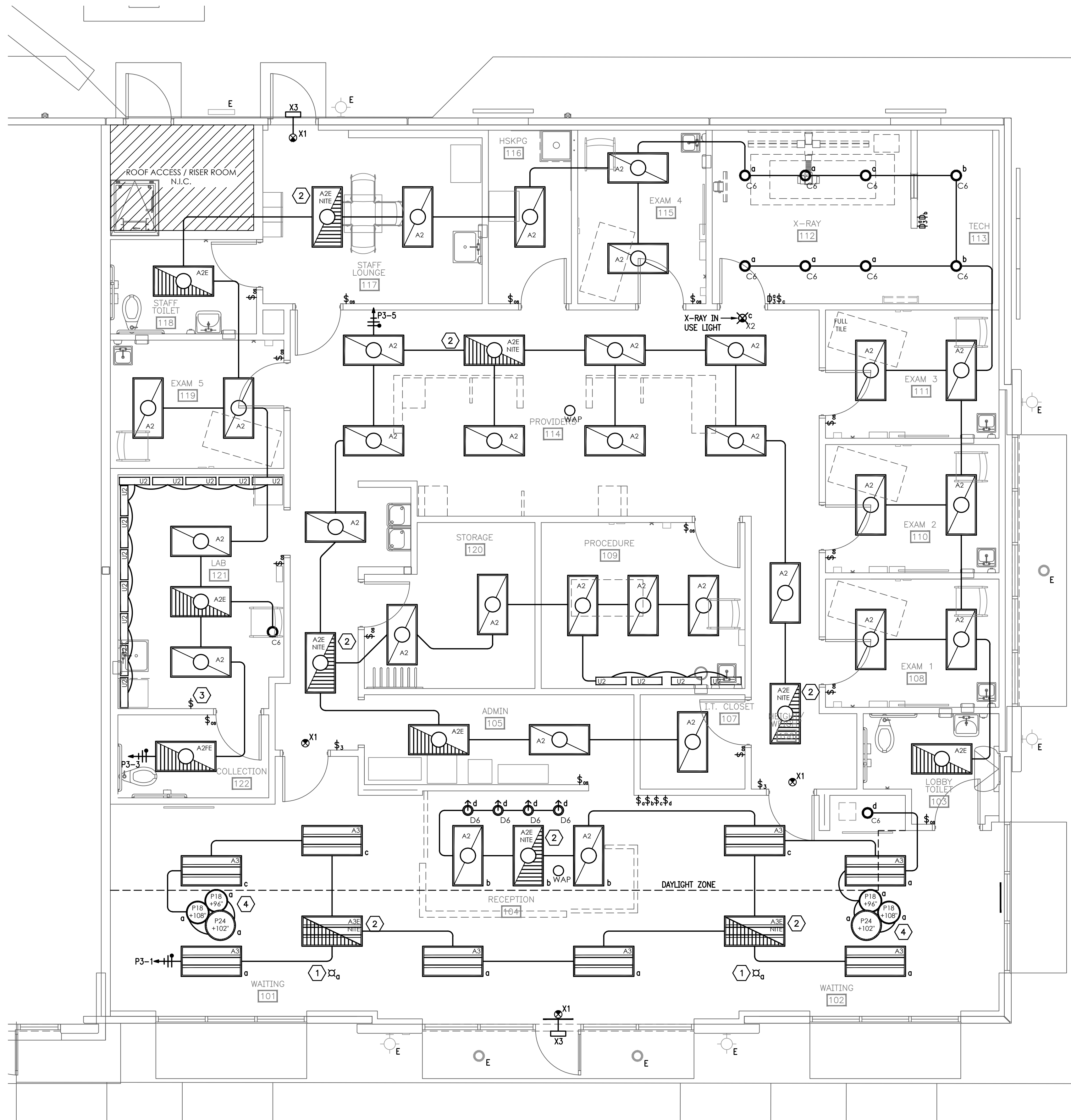
RENEE | GLØTTA
LYNN +

ARCHITECTURE

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ALL NOTES MAY NOT APPLY.



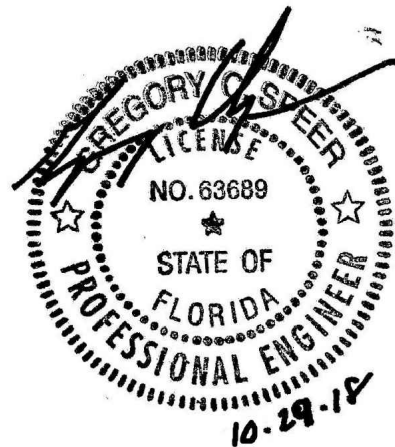
1 FLOOR PLAN - LIGHTING
SCALE: 1/4" = 1'-0"
NORTH

GENERAL NOTES:

- A. COORDINATE ALL SWITCH LOCATIONS/SWITCH PATTERNS WITH TENANT/ARCHITECT PRIOR TO INSTALLATION.
- B. CONTRACTOR TO INSTALL NEW OCCUPANCY SENSOR SWITCH (SOS) AS SHOWN. MATCH BUILDING STANDARD. IF NO STANDARD IS ESTABLISHED, INSTALL WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, MANUAL "ON"/AUTOMATIC "OFF" WITHIN 30 MINUTES OF OCCUPANCY VACATING SPACE, EQUAL TO HUBBELL #LHMTS1 OR EQUIVALENT. COORDINATE FINISH WITH ARCHITECT.
- C. CONTRACTOR TO INSTALL NEW CEILING MOUNTED OCCUPANCY SENSOR (CS) AS SHOWN. MATCH BUILDING STANDARD. IF NO STANDARD IS ESTABLISHED, INSTALL PROVIDE CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, MANUAL "ON"/AUTOMATIC "OFF" WITHIN 30 MINUTES OF OCCUPANCY VACATING SPACE, EQUAL TO HUBBELL #OMNIDT2000 OR EQUIVALENT. PROVIDE POWER PACK AS REQUIRED. COORDINATE FINISH WITH ARCHITECT. LOCATIONS SHOWN ARE APPROXIMATE. REFERENCE HUBBELL INSTALLATION MANUAL FOR OPTIMUM PLACEMENT OF SENSORS.
- D. AT ALL LOCATIONS WHERE CEILING OCCUPANCY SENSORS ARE SHOWN TO BE USED IN CONJUNCTION WITH A WALL SWITCH/DIMMER, CONTRACTOR TO ROUTE LIGHTING CIRCUIT THROUGH SENSOR FIRST, THEN TO LIGHT SWITCH/DIMMER, THEN TO LIGHT FIXTURE. PROVIDE POWER PACKS FOR AREAS CONTAINING 120V & 277V CIRCUITS MONITORED BY THE SAME CEILING OCCUPANCY SENSOR.
- E. PROVIDE BATTERY PACKS FOR ALL EMERGENCY FIXTURES AND EXIT SIGNS. BATTERY PACK SHALL BE RATED FOR A MINIMUM OF 90 MINUTES AND SHALL CARRY 100% OF THE LAMP LUMEN OUTPUT. WIRE FIXTURES AHEAD OF SWITCH.
- F. PER NEC 410, ALL FIXTURES WITH DOUBLE ENDED LAMPS AND CONTAIN BALLAST(S) THAT ARE SERVICED IN PLACE SHALL BE INSTALLED WITH INTERNAL OR EXTERNAL DISCONNECTING MEANS THAT SIMULTANEOUSLY DISCONNECTS ALL CONDUCTORS INCLUDING THE GROUNDING CONDUCTOR. EXTERNAL DISCONNECTS MUST BE INSTALLED ADJACENT TO EACH CORRESPONDING FIXTURE AND THE LINE SIDE TERMINALS MUST BE GUARDED.
- G. CONTRACTOR TO PROVIDE DIMMING BALLASTS WITH ALL DIMMED FLUORESCENT FIXTURES OR DIMMING DRIVER FOR LED FIXTURES. REFERENCE PLAN FOR LOCATIONS AND QUANTITIES. FIELD VERIFY DIMMING SWITCH TYPE AND CONNECTION REQUIREMENTS WITH LIGHTING FIXTURE MANUFACTURER.
- H. LOWERCASE LETTER INDICATES SWITCH DESIGNATION U.N.O.
- I. UNLESS NOTED OTHERWISE (U.N.O.) ALL EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES SHALL BE CONNECTED TO ROOM/CORRIDOR/EXTERIOR LIGHTING CIRCUIT UNSWITCHED HOT LEG.
- J. UNLESS NOTED OTHERWISE (U.N.O.) ALL EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES SHALL BE CONNECTED TO ROOM/CORRIDOR/EXTERIOR LIGHTING CIRCUIT UNSWITCHED HOT LEG. REFER TO DETAIL 6/E-6 FOR SWITCHED EMERGENCY DETAIL.

KEY NOTES:

- 1 WHERE PHOTOCELL INDICATED (PC), ASSOCIATED CEILING MOUNTED OCCUPANCY SENSORS SHALL BE EQUAL TO HUBBELL #OMNIDT2000RP OR EQUIVALENT WITH REMOTE PHOTOCELL AND RELAY. EXTEND SWITCH LEG SERVING LIGHTING FIXTURES WITHIN DESIGNATED DAYLIGHT ZONE THROUGH RELAY CONTROLLED BY PHOTOCELL. PHOTOCELL SENSITIVITY SHALL BE SET AS DIRECTED BY TENANT. LOCATIONS SHOWN ARE APPROXIMATE. REFERENCE HUBBELL BUILDING AUTOMATION INSTALLATION MANUAL FOR OPTIMUM PLACEMENT OF SENSORS.
- 2 THIS FIXTURE IS AN EMERGENCY FIXTURE AND IS TO BE USED AS A NIGHT LIGHT FIXTURE. CIRCUIT FIXTURE AND BATTERY PACK ON UNSWITCHED LEG OF LOCAL LIGHT CIRCUIT. REFER TO DETAIL 3/E-6 FOR UNSWITCHED EMERGENCY DETAIL.
- 3 SWITCH (RED IN COLOR) TO CONTROL WATER SUPPLY SOLENOID TO ADJACENT RESTROOM TOILET. CIRCUIT TO NEAREST 120V CONVENIENCE RECEPTACLE.
- 4 COORDINATE FINAL LOCATIONS AND HEIGHTS ONSITE WITH TENANT.



CONTRACTOR SHALL COORDINATE
MEP DRAWINGS WITH ALL OTHER
DISCIPLINES

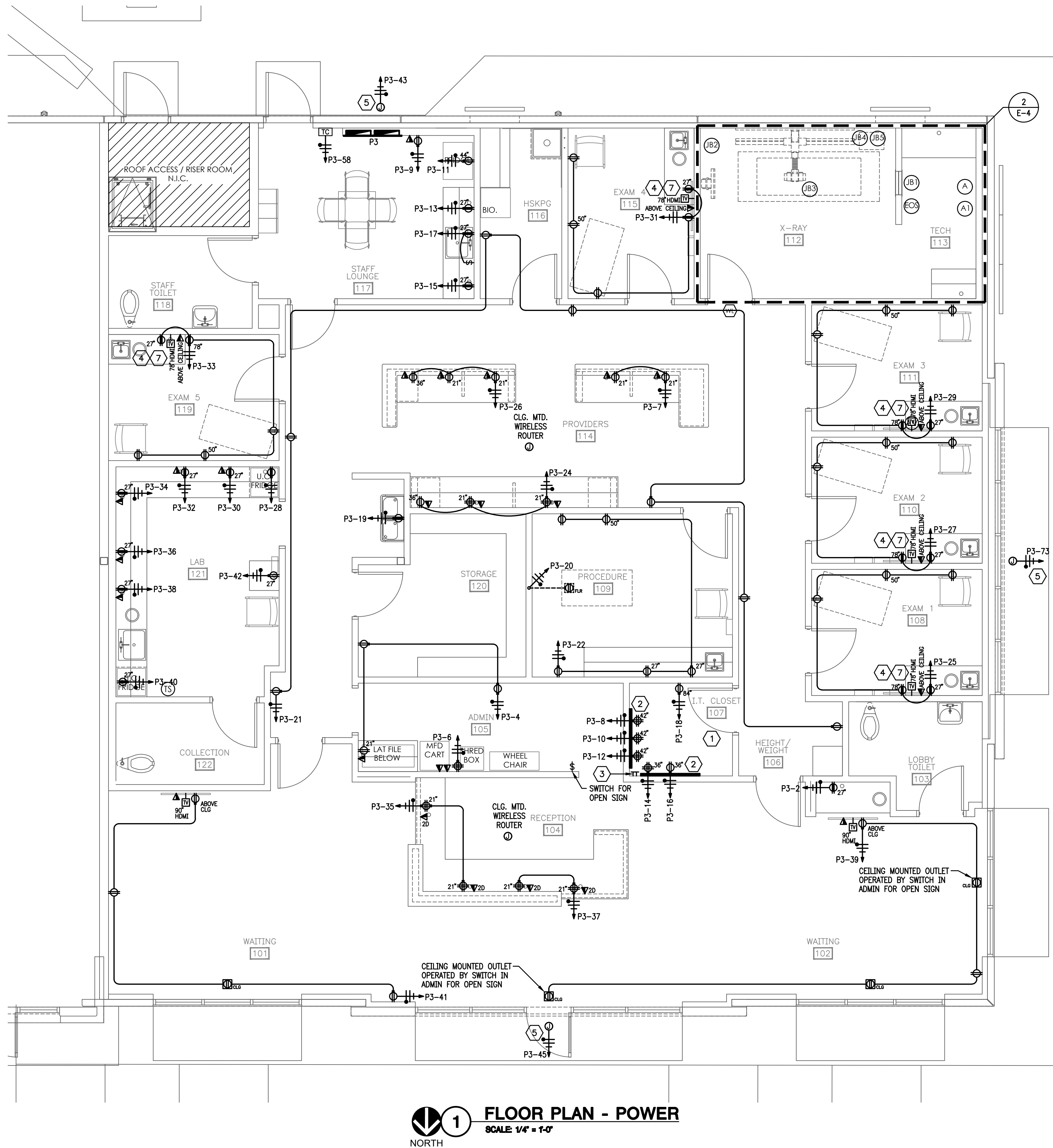


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**LIGHTING
FLOOR PLAN**

Project No.	1821
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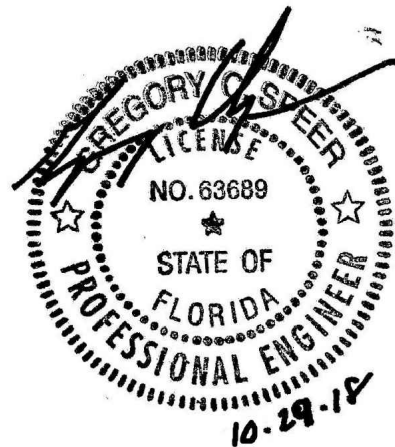
1 FLOOR PLAN - POWER
SCALE: 1/4" = 1'-0"
NORTH

GENERAL NOTES:

- A. CONTRACTOR TO PROVIDE CODE MINIMUM FIRE ALARM SYSTEM FOR ABOVE SPACE. INSTALLATION SHALL MEET ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES.
- B. VERIFY ALL FIRE ALARM DEVICE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLING BOXES.
- C. PROVIDE JUNCTION BOX AND 3/4" CONDUIT WITH PULL STRING TO ACCESSIBLE CEILING FROM ALL SECURITY DEVICE LOCATIONS. VERIFY EXACT LOCATION OF DEVICES WITH SECURITY VENDOR PRIOR TO INSTALLATION.
- D. PROVIDE ALL NECESSARY 120V POWER FOR ALL SECURITY DEVICES. COORDINATE REQUIREMENTS AND LOCATIONS WITH SECURITY VENDOR.
- E. ALL RECEPTACLES AND TELE/DATA DEVICES TO BE INSTALLED AT 18" AFF UNLESS OTHERWISE NOTED.
- F. VERIFY EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING CONTRACTOR PRIOR TO INSTALLATION.
- G. CONTRACTOR TO VERIFY EXACT LOCATIONS, ELECTRICAL REQUIREMENTS AND NEMA CONFIGURATIONS FOR COPIERS WITH OWNER/COPPER MANUFACTURER PRIOR TO ROUGH-IN.
- H. ALL RECEPTACLES WITHIN 6' OF WATER SOURCE TO BE GFCI PROTECTED.
- I. CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND QUANTITIES OF ALL ELECTRICAL DEVICES.
- J. ALL "TV" LOCATIONS SHALL HAVE HUBBELL FLAT PANEL CONNECTION ENCLOSURE #NSAV62M-NSOPS, OR APPROVED EQUAL BEHIND ALL TV LOCATIONS. COORDINATE ALL AV CONNECTION REQUIREMENTS WITH TENANT PRIOR TO ORDER AND INSTALLATION. PROVIDE ELECTRICAL CONNECTION AS INDICATED ON PLANS.

KEYED NOTES:

- 1 VERIFY EXACT ELECTRICAL REQUIREMENTS AND LOCATION OF IT RECEPTACLES WITH TENANT PRIOR TO INSTALLATION.
- 2 PROVIDE 4'X8' PLYWOOD BACKBOARD FOR TELEPHONE/DATA EQUIPMENT. ROUTE NEW 2" CONDUIT WITH PULL STRING FROM EXISTING TELE/CATV BUILDING SERVICE ENTRANCE TO BACKBOARD LOCATION. VERIFY EXACT LOCATION WITH TENANT PRIOR TO INSTALLATION.
- 3 CONTRACTOR TO INSTALL WALL MOUNTED COPPER GROUND BAR AS SHOWN. ROUTE 1-#6 INSULATED GROUND WIRE FROM BUILDING GROUND RISER TO GROUND BAR. COORDINATE EXACT LOCATION OF BAR AND BRANCH GROUND WIRING REQUIREMENTS OUT FROM BAR WITH TENANT PRIOR TO PURCHASE AND INSTALLATION.
- 4 VIDEO SIGNAL RECEIVER LOCATED ABOVE CEILING PROVIDED BY TENANT. PROVIDE DATA FROM IT CLOSET AND HDMI CABLE DROP TO MONITOR LOCATION.
- 5 JUNCTION BOX FOR EXTERIOR SIGNAGE. ROUTE THROUGH TIME CLOCK FOR ON/OFF CONTROL. COORDINATE EXACT LOCATION IN THE FIELD PRIOR TO ROUGH-IN.
- 6 CONTRACTOR TO PROVIDE TIMECLOCK. COORDINATE EXACT LOCATION IN FIELD PRIOR TO ROUGH-IN.
- 7 CONTRACTOR TO PROVIDE A REMOTE GFCI RESET LOCATED UNDER COUNTER FOR ALL GFCI RECEPTACLES.



CONTRACTOR SHALL COORDINATE
MEP DRAWINGS WITH ALL OTHER
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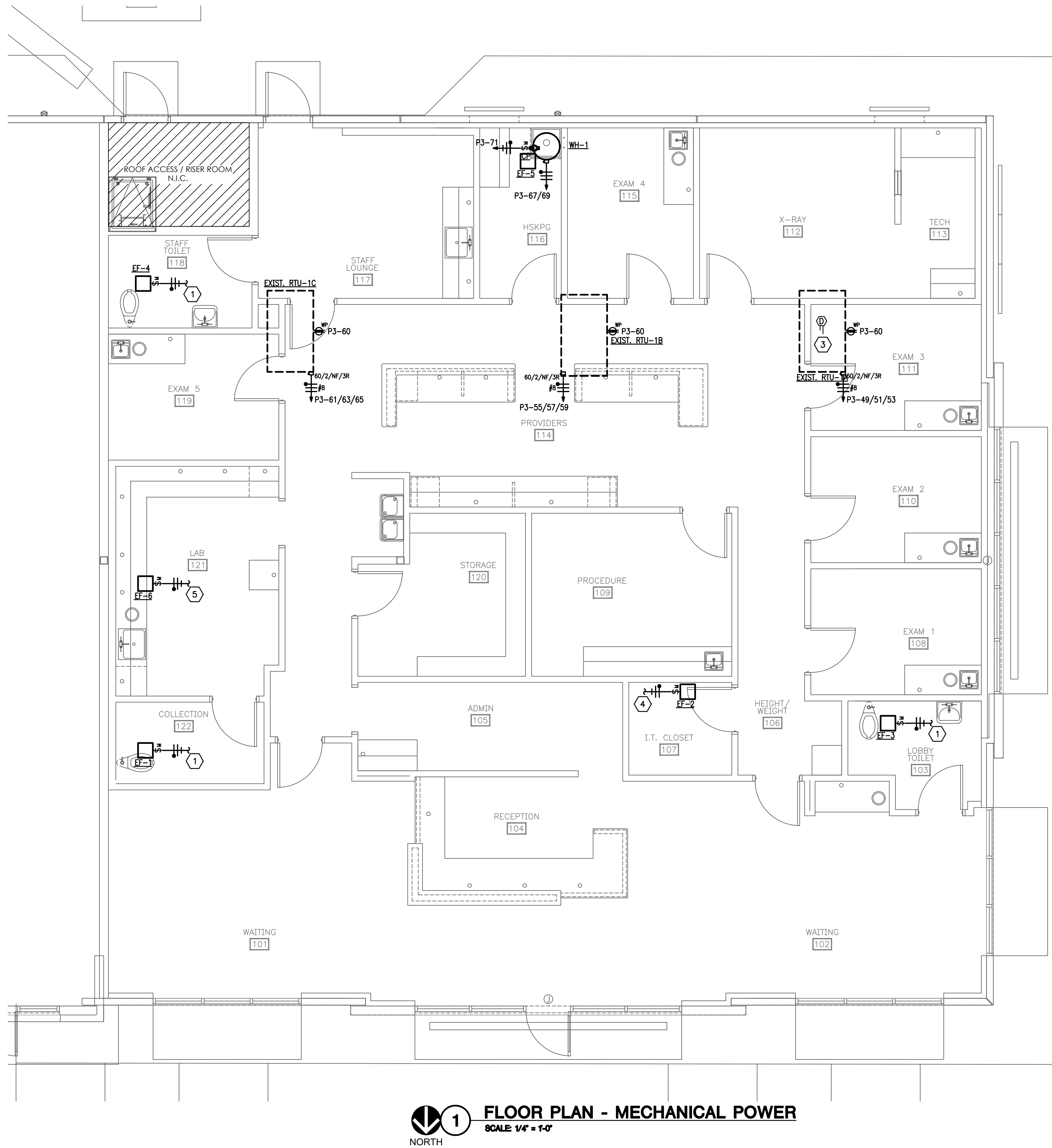


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E-2

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Lee Vista Center
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1 FLOOR PLAN - MECHANICAL POWER
SCALE: 1/4" = 1'-0"
NORTH

KEYED MECHANICAL POWER NOTES:

- 1 CONNECT EXHAUST FAN TO ROOM LIGHTING CIRCUIT SWITCHED HOT LEG.
- 2 CONTRACTOR TO VERIFY A WP/GFI SERVICE RECEPTACLE IS LOCATED WITHIN 25' OF ALL NEW ROOF MOUNTED EQUIPMENT. IF NO SERVICE RECEPTACLE IS LOCATED WITHIN THIS CONNECT TO CIRCUIT P3-60 (PROVIDE NEW 20A/1P CIRCUIT BREAKER), VIA 2#12, RANGE, 1#12G, 3/4"C.
- 3 DUCT MOUNTED SMOKE DETECTORS TO BE PROVIDED AND INSTALLED BY FIRE ALARM CONTRACTOR. DUCT DETECTORS TO BE INSTALLED ON SUPPLY AND RETURN FOR ALL HVAC UNITS GREATER THAN 2000 CFM.
- 4 EXHAUST FAN SHALL BE CONTROLLED THERMOSTATICALLY. CONNECT TO NEAREST GENERAL POWER BRANCH CIRCUIT. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
- 5 INTERLOCK EXHAUST FAN WITH EXIST. RTU-1B TO RUN WHILE UNIT IS OPERATING.

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GREGORY C. SPEER PE# 63689
DATE: 10-29-2018

CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER DISCIPLINES



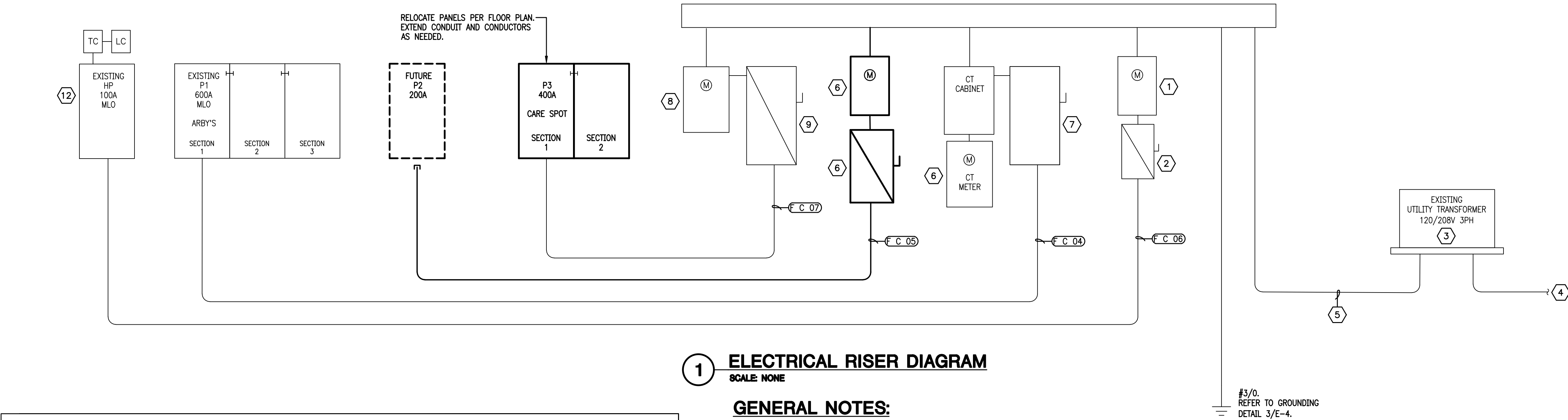
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**MECHANICAL POWER
FLOOR PLAN**

Project No.	1821
Date	2018-10-29
Last Revision	-



1 ELECTRICAL RISER DIAGRAM

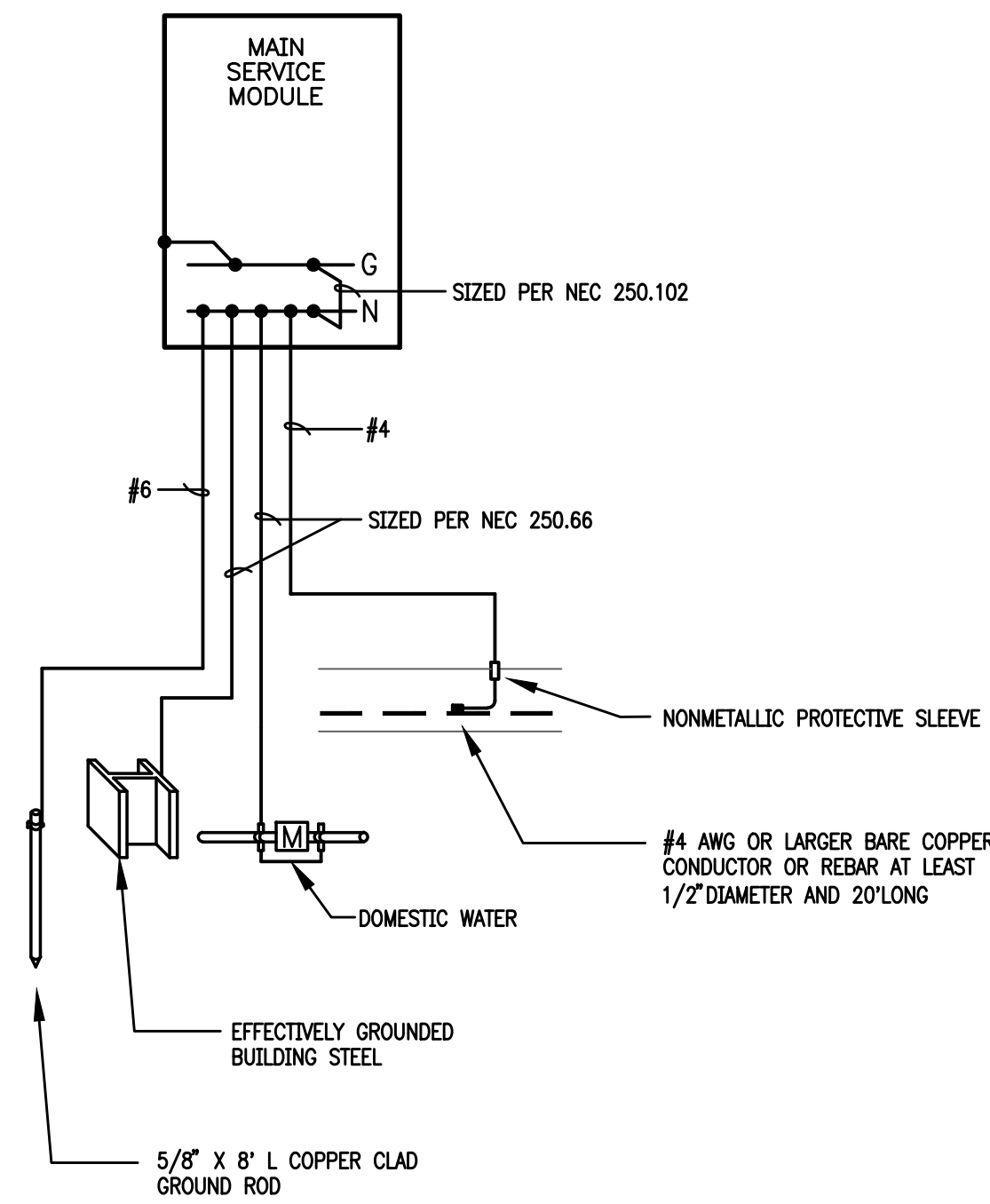
SCALE: NONE

GENERAL NOTES:

A. ALL WORK EXISTING BY OTHERS UNLESS NOTED OTHERWISE.

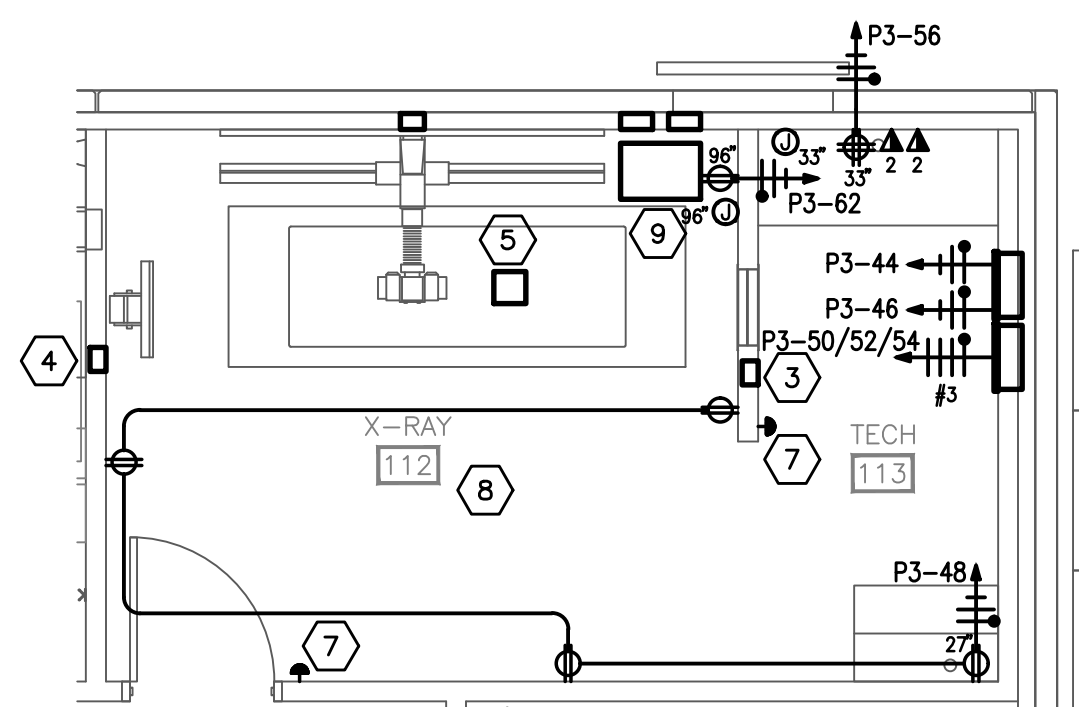
KEYED RISER NOTES:

- EXISTING 100A UTILITY METER TO REMAIN.
- EXISTING 100A/100F/3/3R SERVICE RATED FUSED DISCONNECT TO REMAIN.
- EXISTING UTILITY TRANSFORMER TO REMAIN.
- EXISTING PRIMARY ELECTRIC SERVICE.
- EXISTING SECONDARY ELECTRIC SERVICE.
- EXISTING 600A UTILITY METER TO REMAIN.
- EXISTING 600A/600F/3/3R SERVICE RATED FUSED DISCONNECT TO REMAIN.
- EXISTING 400A UTILITY METER TO REMAIN.
- EXISTING 400A/400F/3/3R SERVICE RATED FUSED DISCONNECT TO REMAIN.
- EXISTING 200A UTILITY METER TO REMAIN.
- EXISTING 200A/200F/3/3R SERVICE RATED FUSED DISCONNECT TO REMAIN.
- EXISTING HOUSE PANEL TO REMAIN.



3 GROUNDING DETAIL

SCALE: NONE

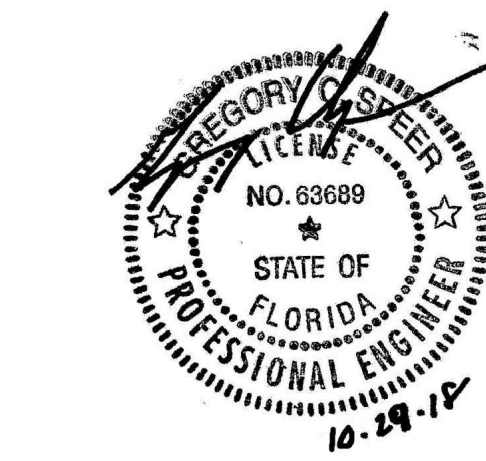


2 ENLARGED PLAN - X-RAY

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

X-RAY KEYED NOTES:

- 100A ENCLOSED CIRCUIT BREAKER WITH SHUNT TRIP FROM EPO BUTTON. REFER TO X-RAY MANUFACTURER DRAWINGS FOR ADDITIONAL INFORMATION.
- BREAKER ENCLOSURE TO INCLUDE (2) 120V/15A BREAKERS FOR SUPPLY TO 8"x8" JUNCTION BOX AND 12"x12"x4" JUNCTION BOX LOCATED IN X-RAY AREA. LEAVE 6FT PIGTAIL AT JUNCTION BOX SIDE. REFER TO X-RAY MANUFACTURER DRAWINGS FOR ADDITIONAL INFORMATION.
- 8"x8" JUNCTION BOX, MOUNTED FLUSH WITH WALL 48" AFF. INSTALL (1) 2" CHASE NIPPLE IN THE CENTER OF COVER. REFER TO X-RAY MANUFACTURER DRAWINGS FOR ADDITIONAL INFORMATION.
- 6"x6" JUNCTION BOX, MOUNTED FLUSH WITH WALL 48" AFF. INSTALL (1) 2" CHASE NIPPLE IN THE CENTER OF COVER. REFER TO X-RAY MANUFACTURER DRAWINGS FOR ADDITIONAL INFORMATION.
- 8"x8" FLOOR MOUNTED RECESSED JUNCTION BOX, MOUNTED FLUSH WITH WALL 18" AFF. PROVIDE A 3"x8" GROMMETED OPENING ON COVER. REFER TO X-RAY MANUFACTURER DRAWINGS FOR ADDITIONAL INFORMATION.
- 8"x8"x4" JUNCTION BOX, MOUNTED FLUSH WITH WALL 18" AFF. PROVIDE A 3"x8" GROMMETED OPENING ON COVER. REFER TO X-RAY MANUFACTURER DRAWINGS FOR ADDITIONAL INFORMATION.
- EPO PUSHBUTTON WITH PROTECTIVE COVER. PROVIDE 3/4" EMPTY CONDUIT FROM EPO TO EPO TO X-RAY MAIN CIRCUIT BREAKER.
- CONTRACTOR TO COORDINATE WITH EQUIPMENT VENDOR FOR THE FULL SCOPE OF WORK ASSOCIATED WITH THE X-RAY SCAN EQUIPMENT.
- UNIVERSAL ANTHEM 45KVA GENERATOR CABINET. REFER TO X-RAY MANUFACTURER DRAWINGS FOR ADDITIONAL INFORMATION.



CONTRACTOR SHALL COORDINATE
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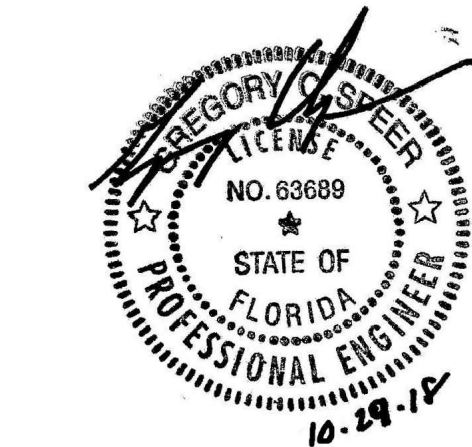
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PANELBOARD SCHEDULE - "P3"

MAIN: 400A MLO				VOLTAGE: 208/120										PHASE: 3					WIRE: 4					MOUNTING: SURFACE		AIC: 14,000			
CKT #	TRIP	POLE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	TRIP	POLE	CKT #					
1	201		LIGHTING	1.2										1.5							COFFEE MAKER	201		2					
3	201		LIGHTING	1.3										0.5							RECEPTS, ADMIN	201		4					
5	201		LIGHTING	1.1										1.0							DED. RECEPT, ADMIN	201		6					
7	201		RECEPTS, PROVIDER'S		0.4									1.0							I.T. RECEPTS	201		8					
9	201		RECEPTS, STAFF LOUNGE		0.4									1.0							I.T. RECEPTS	201		10					
11	201		REFRIGERATOR		0.8									1.0							I.T. RECEPTS	201		12					
13	201		DED. RECEPT STAFF LOUNGE		1.0									1.0							I.T. RECEPTS	201		14					
15	201		DED. RECEPT STAFF LOUNGE		1.0									1.0							I.T. RECEPTS	201		16					
17	201		DESPOSAL		1.0									1.0							I.T. RECEPTS	201		18					
19	201		EWC		0.5									0.5							FLOOR RECEPT, PROCEDURE	201		20					
21	201		RECEPTACLES		1.1									0.9							RECEPTS, PROCEDURE	201		22					
23	201		SPARE											0.5							RECEPTS, PROVIDER'S	201		24					
25	201		RECEPTS, EXAM #1		0.7									0.7							RECEPTS, PROVIDER'S	201		26					
27	201		RECEPTS, EXAM #2		0.9									1.0							DED. RECEPTS, LAB	201		28					
29	201		RECEPTS, EXAM #3		0.7									1.0							DED. RECEPTS, LAB	201		30					
31	201		RECEPTS, EXAM #4		0.9									1.0							DED. RECEPTS, LAB	201		32					
33	201		RECEPTS, EXAM #5		0.9									1.0							DED. RECEPTS, LAB	201		34					
35	201		RECEPTS, RECEPTION		0.7									1.0							DED. RECEPTS, LAB	201		36					
37	201		RECEPTS, RECEPTION		0.7									1.0							DED. RECEPTS, LAB	201		38					
39	201		RECEPTS, WAITING		0.7									1.0							DED. RECEPTS, LAB	201		40					
41	201		RECEPTS, WAITING		0.7									1.0							DED. RECEPTS, LAB	201		42					
SECTION 2																													
43	201		EXTERIOR SIGNAGE	1.0																1.0	X-RAY POWER	201		44					
45	201		EXTERIOR SIGNAGE	1.0																1.0	X-RAY POWER	201		46					
47	201		SPARE											0.5							X-RAY RECEPTACLES	201		48					
49	403		EXISTING RTU-1A				4.8											9.6			X-RAY	1000		50					
51	-	-	-				4.8											9.6	-		-	-		52					
53	-	-	-				4.8											9.6	-		-	-		54					
55	403		EXISTING RTU-1B				4.8							1.0							DED. X-RAY RECEPTACLE	201		56					
57	-	-	-				4.8							0.5							TIME CLOCK	201		58					
59	-	-	-				4.8							1.1							ROOF RECEPTACLES	201		60					
61	403		EXISTING RTU-1C				4.8							1.0							DED. RECEPT, - X-RAY	201		62					
63	-	-	-				4.8														SPARE	201		64					
65	-	-	-				4.8														SPARE	201		66					
67	302		WH-1									2.3									SPARE	201		68					
69	-	-	-									2.3									SPARE	201		70					
71	201		GP			0.5															SPARE	201		72					
73	201		EXTERIOR SIGNAGE	1.0																	SPARE	201		74					
75	201		SPARE																		SPARE	201		76					
77	201		SPARE																		SPARE	201		78					
79	201		SPARE																		SPARE	201		80					
81	201		SPARE																		SPARE	201		82					
83	201		SPARE																		SPARE	201		84					
LIGHTING (KVA):				6.6	6.6	13.1	0.5	43.2	0.0	0.0	4.6			0.0	24.3	0.0	0.0	0.0	28.8	2.0	CONNECTED LOAD (KVA):				123.1				
RECEPTACLES (KVA):				37.5																		DEMAND LOAD (KVA):				99.3			
MOTORS (KVA):				0.5	43.9	0.0					PHASE A	44	366.1									CONNECTED LOAD (AMPS):				341.8			
A/C (KVA):				43.2	41.5	0.0					PHASE B	42	345.9									DEMAND LOAD (AMPS):				275.7			
HEATING (KVA):				0.0	37.7	0.0					PHASE C	38	314.1																
KITCHEN (KVA):				28.8	SECTS 1+2	SECT 3+4					KVA		AMPS																
MISCELLANEOUS (KVA):				6.6																		AMPAICITY REQUIRED:				280.2			
NOTES: A. BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.																													

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLTAGE	LAMP		MOUNTING	MANUFACTURER / MODEL #
			QTY.	TYPE		
A2	2X4 LED FLAT PANEL, 5000 LUMENS, 3500K, 0-10V DIMMABLE DOWN TO 1%	120/277V UNV	-	LED	RECESSED	LSI INDUSTRIES SFP24-LED-S0-UE-DIM-35
A2E	2X4 LED FLAT PANEL, 5000 LUMENS, 3500K, 0-10V DIMMABLE DOWN TO 1%, 10 WATT EMERGENCY BATTERY BACKUP	120/277V UNV	-	LED	RECESSED	LSI INDUSTRIES SFP24-LED-S0-UE-DIM-35-EM
A2F	2X4 LED FLAT PANEL, 5000 LUMENS, 3500K, 0-10V DIMMABLE DOWN TO 1%, 2X4 DRYWALL KIT	120/277V UNV	-	LED	RECESSED	LSI INDUSTRIES SFP24-LED-S0-UE-LDIM-35-FK24
A2FE	2X4 LED FLAT PANEL, 5000 LUMENS, 3500K, 0-10V DIMMABLE DOWN TO 1%, 10 WATT EMERGENCY BATTERY BACKUP, 2X4 DRYWALL KIT	120/277V UNV	-	LED	RECESSED	LSI INDUSTRIES SFP24-LED-S0-UE-DIM-35-EM-FK24
A3	2X4 LED TROFFER, SHALLOW PLENUM, 4900 LUMENS, 3500K, RIBBED ACRYLIC LENS, 0-10V DIMMABLE	120/277V UNV	-	LED	RECESSED	HE WILLIAMS PT-24-L49B35-RA-DIM-UNV
A3E	2X4 LED TROFFER, SHALLOW PLENUM, 4900 LUMENS, 3500K, RIBBED ACRYLIC LENS, 0-10V DIMMABLE, 10W EMERGENCY BATTERY BACKUP	120/277V UNV	-	LED	RECESSED	HE WILLIAMS PT-24-L49B35-RA-EM10W-DIM-UNV
A3F	2X4 LED TROFFER, SHALLOW PLENUM, 4900 LUMENS, 3500K, RIBBED ACRYLIC LENS, 0-10V DIMMABLE, 2X4 DRYWALL KIT	120/277V UNV	-	LED	RECESSED	HE WILLIAMS PT-24-L49B35-RA-DFK248W-DIM-UNV
A3FE	2X4 LED TROFFER, SHALLOW PLENUM, 4900 LUMENS, 3500K, RIBBED ACRYLIC LENS, 0-10V DIMMABLE, 2X4 DRYWALL KIT, 10W EMERGENCY BATTERY BACKUP	120/277V UNV	-	LED	RECESSED	HE WILLIAMS PT-24-L49B35-RA-DFK248W-EM10W-DIM-UNV
B1	VOLTAIRE ARCHITECTURAL WALLPACK, VERTICAL HOUSING, 3000 LUMENS, 4000K, TYPE 3 DISTRIBUTION, 4-WATT EMERGENCY DRIVER (500 LUMEN OUTPUT), 0-10V DIMMABLE	120/277V UNV	-	LED	SURFACE	HE WILLIAMS VWPV4-30740-T3-BLK-SDGL-EM4W-DIM-UNV
B2	NARROW LED STRIP, 2 FOOT, 1500 LUMENS, 3500K, 0-10V DIMMABLE DOWN TO 10%, SUSPENSION LENGTH TO BE DETERMINED	120/277V UNV	-	LED	SUSPENDED	HE WILLIAMS 75R-2-L15B35-VBYX-DIM-UNV
B4	NARROW LED STRIP, 4 FOOT, 3200 LUMENS, 3500K, 0-10V DIMMABLE DOWN TO 10%, SUSPENSION LENGTH TO BE DETERMINED	120/277V UNV	-	LED	SUSPENDED	HE WILLIAMS 75R-4-L30B35-VBYX-DIM-UNV
C8	6" ROUND LED DOWNLIGHT, 1300 LUMENS, 3500K, CLEAR SEMI-SPECULAR REFLECTOR, WIDE DISTRIBUTION, 0-10V DIMMABLE DOWN TO 10%	120/277V UNV	-	LED	RECESSED	HE WILLIAMS L60-L15CB35-CS-W-DIM-UNV
C8EM	6" ROUND LED DOWNLIGHT, 1300 LUMENS, 3500K, CLEAR SEMI-SPECULAR REFLECTOR, WIDE DISTRIBUTION, 0-10V DIMMABLE DOWN TO 10%, 12 WATT EMERGENCY BATTERY BACKUP	120/277V UNV	-	LED	RECESSED	HE WILLIAMS L60-L15CB35-CS-W-EM12W-DIM-UNV
D6	6" ROUND LED DOWNLIGHT, 1200 LUMENS, 3500K, 90+ CRI, MULTI-DIMMING DRIVER, PLATINUM REFLECTOR	120V UNV	-	LED	RECESSED	CONTECH RL385A-2-35KC-12-D/CTR3002-PL
F6	6" ROUND LED DOWNLIGHT, 1200 LUMENS, 3500K, 90+ CRI, MULTI-DIMMING DRIVER, SCOOB WALL WASH REFLECTOR	120V UNV	-	LED	RECESSED	CONTECH RL385A-2-35KC-12-D/CTR1903-P
P	MINUTA THREE-TIER LED CHANDELIER, SAND WHITE FINISH WITH ACRYLIC SHADE, 7400 LUMENS, 3000K, 80+ CRI	120V UNV	-	LED	SUSPENDED	EUROFASE 31779-012
U2	SOLID FRONT LED UNDERCABINET LIGHT, 2-FOOT UNIT, 1200 LUMENS, 3500K, DIFFUSE MATTE ACRYLIC, WHITE ROCKER SWITCH, 0-10V DIMMABLE DOWN TO 10%	120V UNV	-	LED	SURFACE	HE WILLIAMS 1SF-2-L12B35-DMA-WRS120-DIM-120
U3	SOLID FRONT LED UNDERCABINET LIGHT, 3-FOOT UNIT, 1800 LUMENS, 3500K, DIFFUSE MATTE ACRYLIC, WHITE ROCKER SWITCH, 0-10V DIMMABLE DOWN TO 10%	120V UNV	-	LED	SURFACE	HE WILLIAMS 1SF-3-L18B35-DMA-WRS120-DIM-120
X1	LED EXIT SIGN, RED LETTERS, AC OPERATION WITH EMERGENCY BATTERY BACKUP, WHITE HOUSING	120/277V UNV	-	LED	CEILING	HE WILLIAMS EXIT-R-EM-WHT
X2	LED EXIT SIGN, RED LETTERS, AC OPERATION, WHITE HOUSING, SPECIAL LETTERING "X-RAY IN USE"	120/277V UNV	-	LED	WALL	HE WILLIAMS EXIT-R-AC-WHT-COPY/SP(X-RAY IN USE)-D
X3	MULLION MOUNT LED OUTDOOR EGRESS WITH REMOTE POWER SUPPLY	120/277V UNV	-	LED	WALL	MULE LIGHTING EUE-BB-10-XX-W
NOTES: A. ARCHITECT TO SELECT AND VERIFY ALL FINISHES AND FIXTURES PRIOR TO PURCHASE. B. PROVIDE LUMINAIRE DISCONNECT FOR ALL FLUORESCENT LIGHT FIXTURES CONTAINING DOUBLE ENDED LAMPS IN ACCORDANCE WITH NEC ARTICLE 250.119. C. SUSPENSION LENGTHS TO BE DETERMINED BY ARCHITECT						



CONTRACTOR SHALL COORDINATE
MEP DRAWINGS WITH ALL OTHER
DISCIPLINES



5020 Tennyson Parkway - Plano, TX 75024
Dallas / Fort Worth 214.432.3030
Houston 832.532.2007

AOS JOB #: 2039-008-18

CareSpot Urgent Care
Lee Vista Center
8132 Lee Vista Boulevard, Suite 102
Orlando, Florida 32801

90% CONSTRUCTION DOCUMENTS

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No.	Date	Item

REVISIONS

ELECTRICAL
SCHEDULES

Project No.	1821
Date	2018-10-29
Last Revision	-

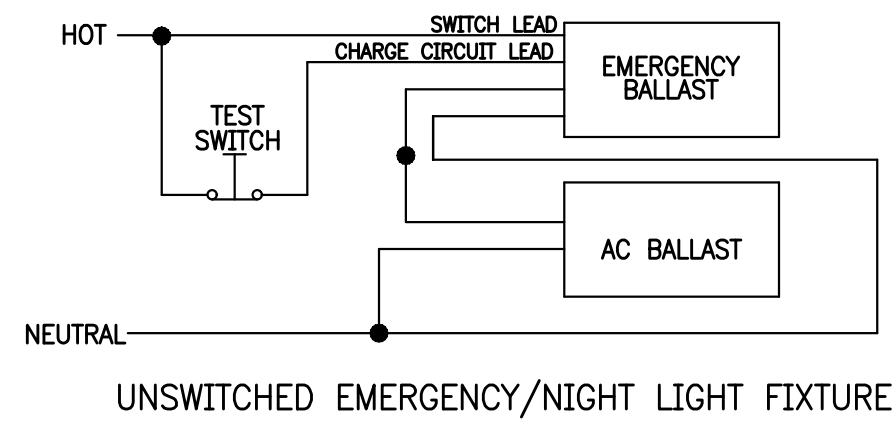
E-5



RENEE | GLØTTA
LYNN +
ARCHITECTURE

2232 Dana Drive - Flower Mound - TX - 75028
214-799-5031
ernie@glotta.design

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GENERAL NOTES:

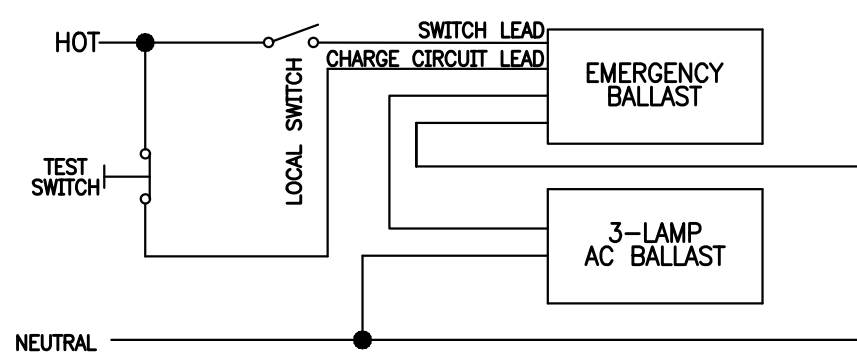
- A. LAMP LEADS NOT SHOWN. CONTRACTOR TO REFER TO BALLAST MANUFACTURER'S WIRING DIAGRAMS PRIOR TO ELECTRICAL INSTALLATION.
- B. CONTRACTOR TO TEST ALL EMERGENCY FIXTURES TO INSURE PROPER OPERATION.
- C. EMERGENCY BALLAST AND AC BALLAST MUST BE FED FROM SAME BRANCH CIRCUIT TO INSURE PROPER OPERATION.

SEQUENCE OF OPERATION:

- DURING NORMAL AC OPERATION: FIXTURE OPERATES AS CONTINUOUSLY ON AC POWER. ALL LAMPS ARE ILLUMINATED AT ALL TIME. THE EMERGENCY BALLAST IS IN STANDBY/CHARGING MODE.
- DURING AC POWER FAILURE: EMERGENCY BALLAST IMMEDIATELY SWITCHES TO EMERGENCY MODE, KEEPING TWO OR THREE LAMPS ILLUMINATED FOR A MINIMUM OF 90 MINUTES. WHEN AC POWER IS RESTORED, THE EMERGENCY BALLAST AUTOMATICALLY RETURNS TO STANDBY/CHARGING MODE.

6 UNSWITCHED EMERGENCY FIXTURE DETAIL

SCALE: NONE



GENERAL NOTES:

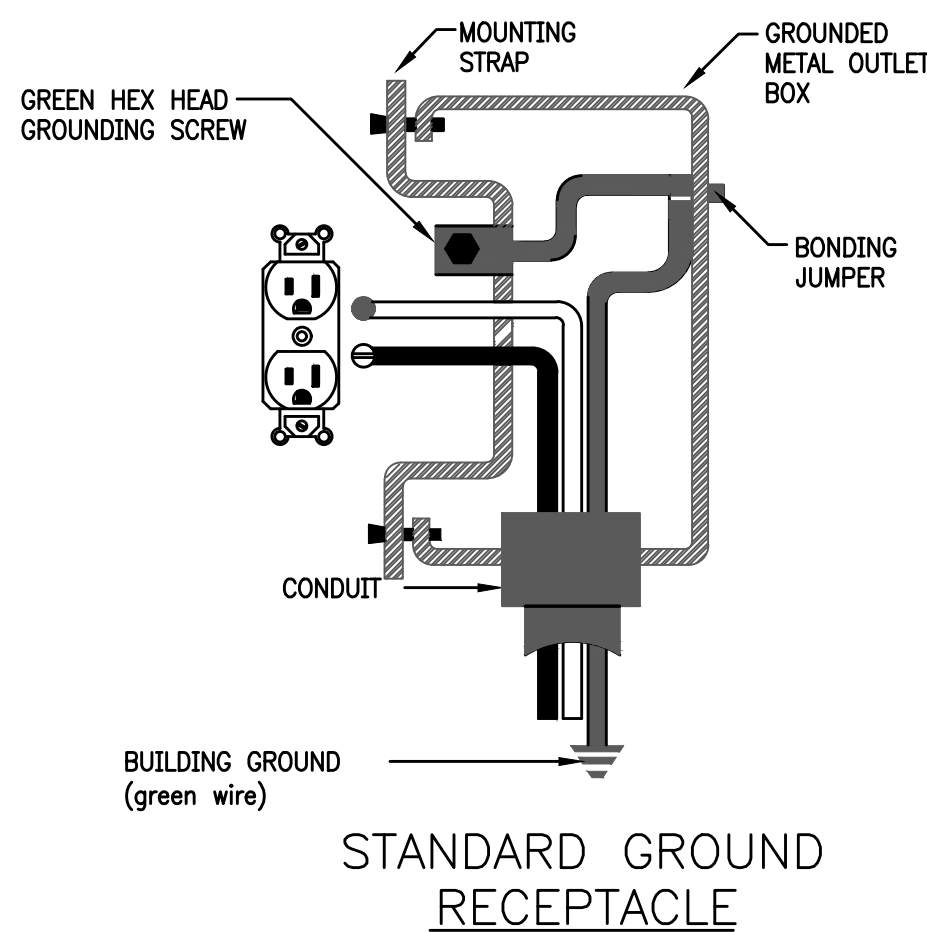
- A. LAMP LEADS NOT SHOWN. CONTRACTOR TO REFER TO BALLAST MANUFACTURER'S WIRING DIAGRAMS PRIOR TO ELECTRICAL INSTALLATION.
- B. CONTRACTOR TO TEST ALL EMERGENCY FIXTURES TO INSURE PROPER OPERATION.
- C. EMERGENCY BALLAST AND AC BALLAST MUST BE FED FROM SAME BRANCH CIRCUIT TO INSURE PROPER OPERATION.
- D. CHARGING LEADS FOR BATTERY BALLAST MUST BE CONNECTED AHEAD OF ALL LIGHTING CONTROLS (I.E. CONTRACTORS, RELAYS, SWITCHES, OCCUPANCY SENSORS, ETC.)

SEQUENCE OF OPERATION:

- DURING NORMAL AC OPERATION: FIXTURE OPERATES AS STANDARD SWITCHED FIXTURE. NO LAMPS ARE ILLUMINATED WHILE THE SWITCH IS IN THE 'OFF' POSITION. ALL LAMPS ARE ILLUMINATED WHEN THE SWITCH IS IN THE 'ON' POSITION. THE EMERGENCY BALLAST IS IN STANDBY/CHARGING MODE.
- DURING AC POWER FAILURE: EMERGENCY BALLAST IMMEDIATELY SWITCHES TO EMERGENCY MODE, KEEPING LAMPS ILLUMINATED FOR A MINIMUM OF 90 MINUTES, REGARDLESS OF SWITCH POSITION. WHEN AC POWER IS RESTORED, THE EMERGENCY BALLAST AUTOMATICALLY RETURNS TO STANDBY/CHARGING MODE.

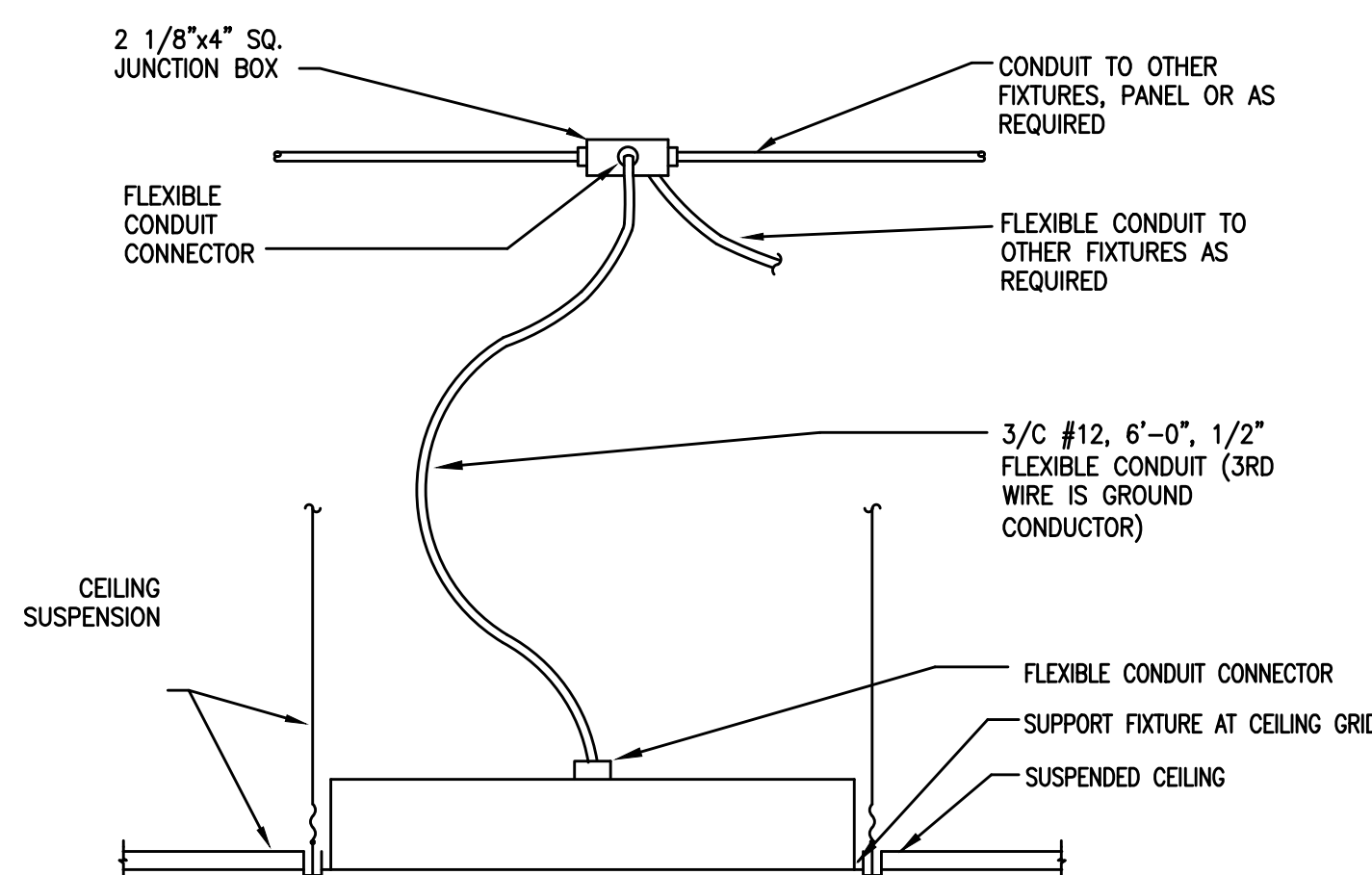
7 SWITCHED EMERGENCY FIXTURE DETAIL

SCALE: NONE



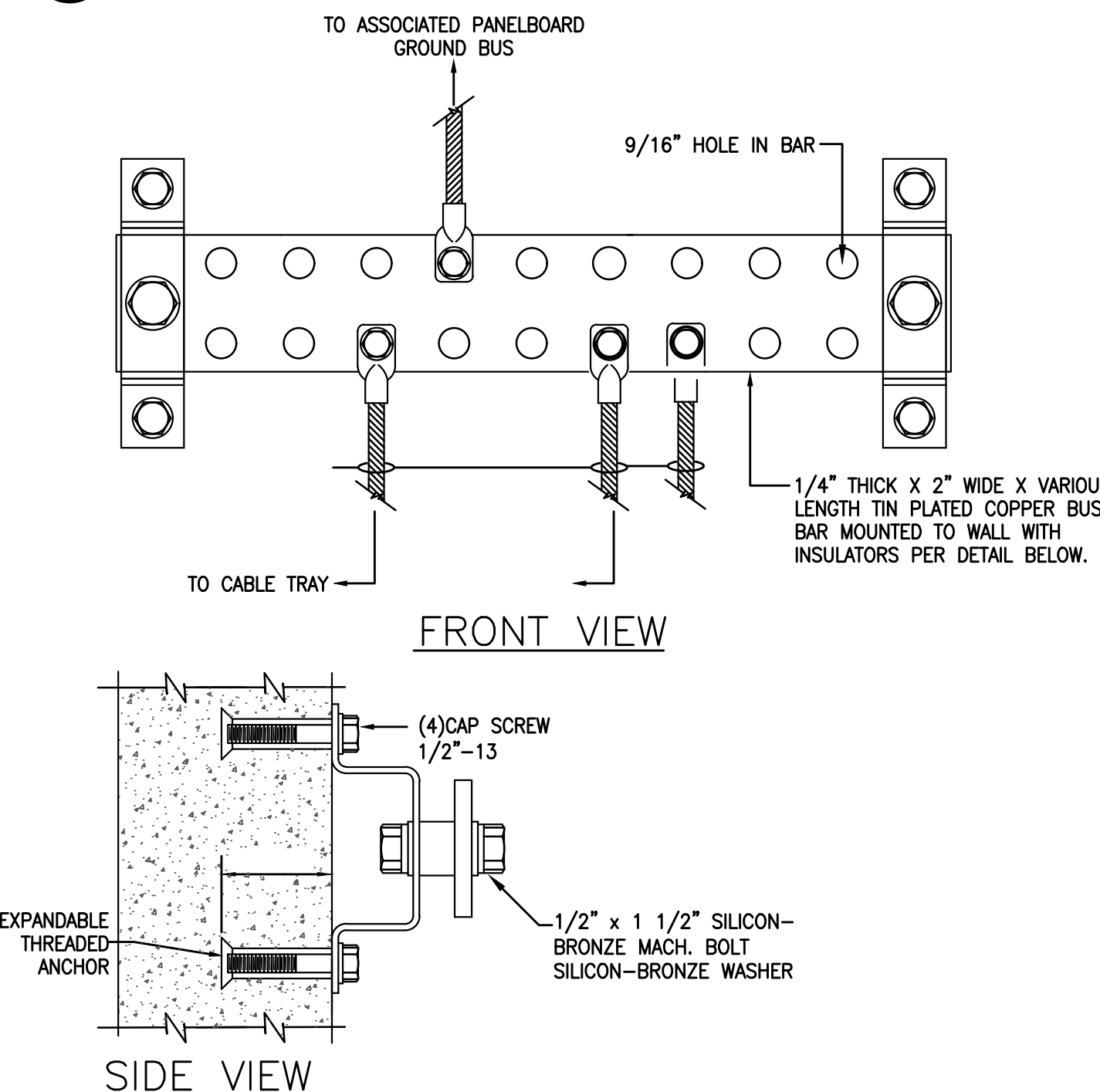
3 RECEPTACLE GROUNDING DETAIL

SCALE: NONE



4 TYPICAL RECESSED FLUORESCENT FIXTURE DETAIL

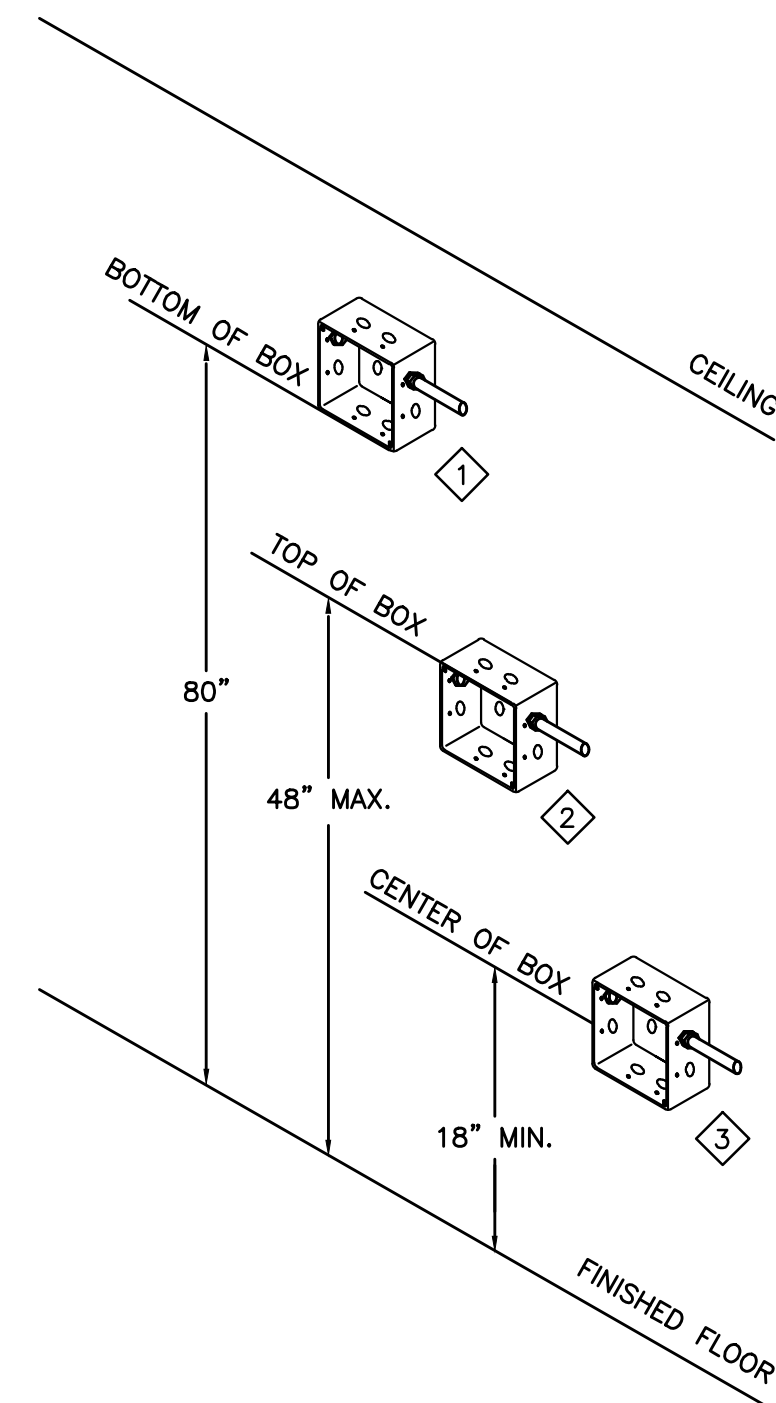
SCALE: NONE



- NOTES:
1. BUS BAR ASSEMBLY SHALL BE EQUAL TO ERICO 'TGB' SERIES.
2. BOND PANELBOARD WHICH SERVICES EQUIPMENT WITHIN ROOM GROUND BUS IS LOCATED.

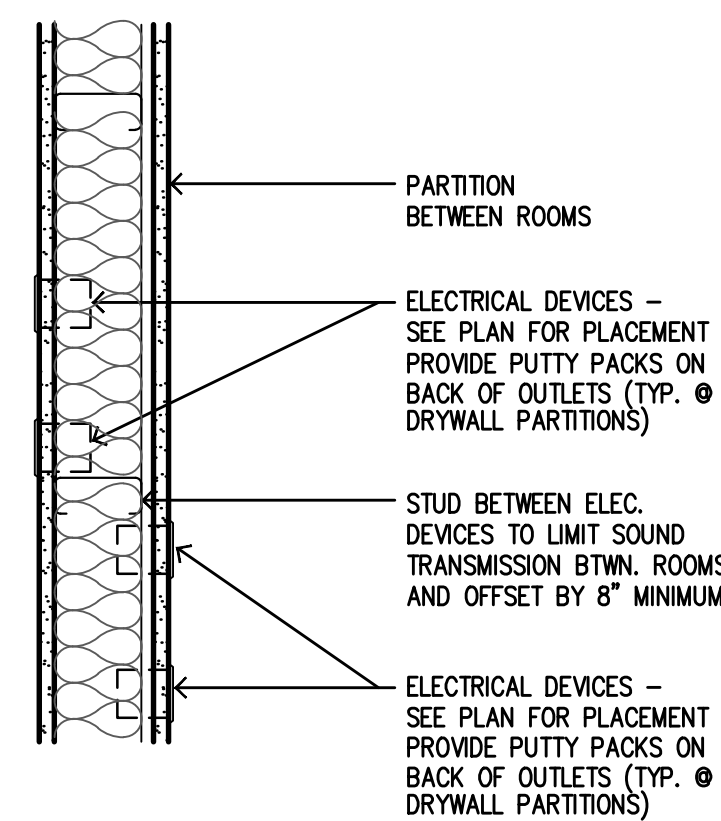
5 TYPICAL GROUND BAR INSTALLATION DETAIL

SCALE: NONE



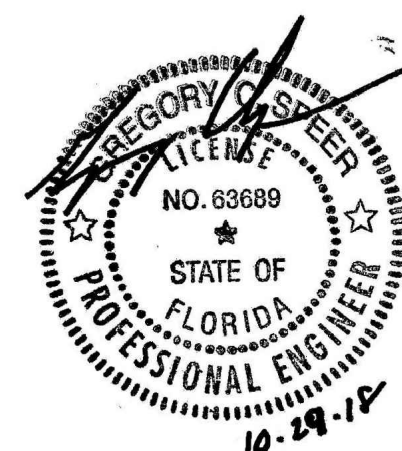
1 ADA REQUIREMENTS DETAIL

SCALE: NONE

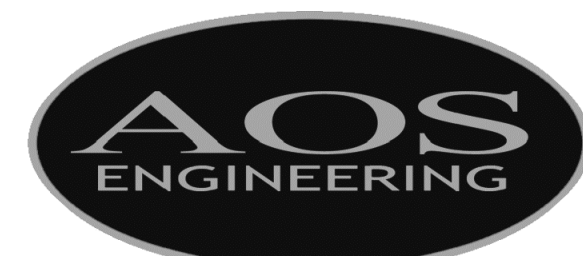


2 ELECTRICAL DEVICE PLACEMENT DETAIL

SCALE: NONE



CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER DISCIPLINES



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AOS JOB #: 2039-008-18

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No.	Date	Item

REVISIONS

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