SYMBOLS LEGEND

SYMBOL \$ \$2 \$3 \$4 \$D DS	DESCRIPTION 1 POLE, SINGLE THROW ROCKER SWITCH			
\$ \$2 \$3 \$4 \$D		SPECIFICATIONS		
\$2 \$3 \$4 \$D		ALL LIGHTING CONTROLS SHALL BE 20A, 120/277V, UNO.		
\$4 \$D DS	2 POLE, SINGLE THROW ROCKER SWITCH	FINISHED AREAS: COMMERCIAL GRADE W/WHITE NYLON COVER, UNO		
\$D DS	1 POLE, DOUBLE THROW 3-WAY ROCK	UNFINISHED AREAS: HEAVY DUTY, INDUSTRIAL GRADE TOGGLE SWITCH		
DS	2 POLE, DOUBLE THROW 4—WAY ROCKER SLIDE DIMMER, COMMERCIAL GRADE	VERIFY LOAD SERVED, MATCH RATING AND TYPE OF LOAD		
	DOOR FRAME SWITCH	N.O. SWITCH TO TURN ON LIGHTS WHEN DOOR IS OPENED, MNT IN FRAME		
	SWITCH MOUNTED OCCUPANCY SENSOR	15A, 120/277V INFRA RED & ULTRASONIC, PUSHBUTTON OVERRIDE, MNT		
		IN SWITCHBOX, ADJUSTABLE DELAY & DAYLIGHT SENSING, SET AT 15 MIN.		
©S _W	WALL/CEILING MOUNTED OCCUPANCY	15A, 120/277V, INFRARED & ULTRASONIC, CEILING/WALL MOUNTED W/ADJ,		
	SENSOR CEILING MOUNTED OCCUPANCY SENSOR	GIMBAL, 110° COVERAGE, ADJUSTABLE DELAY & DAYLIGHT SENSE 15A, 120/277V, INFRARED & ULTRASONIC, 360° (UNLESS NOTED 180°),		
<u>(S</u>)	CEILING MOUNTED OCCUPANCT SENSOR	1000 SQ.FT, ADJUSTABLE DELAY & DAYLIGHT SENSE		
60				
	TIMECLOCK 24 HR, 7 DAY ASTRONOMICAL, HOLIDAY SCEHDULING			
	EMERGENCY LIGHTING FIXTURE	PROVIDE NORMAL POWER FROM AREA LTG CIRCUIT & EMERGENCY BACK-		
	CONTROLLED BY UNSWITCHED LEG OF	UP FROM AN INTEGRAL 90 MIN. BATTERY PACK OR LOCAL TRANSFER		
<i>\\\\\\\\\\\</i>	AREA LIGHTING CIRCUIT	SWITCH & GENERATOR BACKED LIFE SAFETY CIRCUIT		
⊗ <u>∞</u>	LED EXIT SIGN W/ARROWS AS REQUIRED EXTERIOR SPOTLIGHT	90 MIN BATTERY W/SELF DIAGNOSTICS, EDGE LIT GLASS IN FINISHED AREA		
$\stackrel{\vee}{\rightleftharpoons}$	POLE MOUNTED LIGHT FIXTURE	PROVIDE A MINIMUM 8 IN.Ø, 12 IN. DEEP CONRETE PIER PROVIDE A MINIMUM 24"Ø, 8 FT. REINFORCED CONCRETE FOUNDATION		
	TRACK LIGHTING FIXTURE	I NOVIDE A MINIMONI 24 9, O FI. REINFORCED CONCRETE FOUNDATION		
	TOTAL CONTINUE TATORE			
POWE				
SYMBOL	DESCRIPTION	SPECIFICATIONS		
	CIRCUIT WIRING	THHN/THWN, SOFT DRAWN, STRANDED COPPER; USE SOLID #10 & SMALLER		
	UNDERGROUND CIRCUIT WIRING	XHHW, SOFT DRAWN, STRANDED COPPER; USE SOLID #10 & SMALLER		
	UNDERGROUND ELECTRICAL SERVICE	UTILITY SERVICE FEEDER DUCT BANK		
— OE —	OVERHEAD ELECTRICAL SERVICE	UTILITY PROVIDER, MAINTAIN EASEMENT		
M P	ELECTRICAL MANHOLE	PRECAST CONCRETE, GROUNDED, STEEL LID, GRAVEL DRAIN		
	UTILITY POLE	PER UTILITY PROVIDER SPECIFICATIONS		
A-1 <#	NEUTRAL, HOT, GROUND CONDUCTORS HOMERUN TO PANELBOARD "A", CIRCUIT #	1		
\Phi	EQUIPMENT CONNECTION POINT	PROVIDE 3 FT. MAX. FMC FROM COUPLING TO VIBRATING EQUIP. TERMINAL		
Ð	2 POLE, 3 WIRE, 125V SINGLE RECEPT.	COMMERCIAL GRADE, WHITE NYLON FACE & COVER. USE HEAVY DUTY,		
-	2 POLE, 3 WIRE, 125V DUPLEX RECEPT	INDUSTRIAL GRADE IN MECHANICAL SPACE & INDUSTRIAL AREAS		
⇒lG	ISOLATED, INSULATED GROUND	DEDICATED #12 GROUND FROM PANEL TO RECEPT, GREEN W/YELLOW STRIP		
⇒ _{GFI}	GROUND FAULT INTERRUPTER	FEED THRU TYPE WITH INDICATOR LIGHT & RESET BUTTON		
⇒ _{WP/WR}				
#	QUADRUPLEX RECEPTACLE			
Ð	FLOOR MOUNTED RECEPTACLE	ALL WIRING DEVICES SHOWN IN SQUARE BOX TO BE FLOOR OR CEILING MNT		
(A)	SPECIAL PURPOSE RECEPTACLE	TYPE & RATINGS AS NOTED. VERIFY IF TWISTLOCK IS REQUIRED.		
	JUNCTION BOX	CAST OR SHEET METAL BOX WITH COVER		
	PANELBOARD TRANSFORMER	COPPER PH, N, G BUSSING. CONTINUOUSLY HINGED DOOR & FRONT COVER COPPER, 2 WINDING, 3-PHASE DELTA TO WYE ON PAD WITH ISOLATORS		
⊢ ⊶	MOLDED CASE CKT BREAKER	INVERSE TIME THERMAL/MAGNETIC BOLT ON, ADJUSTABLE LSIG AS REQUIRED		
₩ 9	DRAWOUT CIRCUIT BREAKER, AIR TYPE	DIGITAL TRIP UNIT, ADJUSTABLE LSIG		
بكريا	THERMAL OVERLOAD	ADJUSTABLE OVERLOAD, SIZE PER MOTOR FLA		
<u></u>	FUSED DISCONNECT SWITCH	SEE ONE LINE		
<u>~ </u>	FUSE, HOLDER & PULLER	SEE ONE LINE		
	POTENTIAL TRANSFORMER	.5% ACCURACY, ENCLOSED		
<u> </u>	I STERRIAL INCIRCIONIEN	10/0 /10001/101, ENOLOGED		
Ε	CURRENT TRANSFORMER	TORROIDAL OR RECTANGLE WINDOW, SINGLE RATIO, POLARITY MARKS		
	METER	SEE ONE LINE		
<u> </u>	MOTOR, "X" INDICATING HORSE POWER	MOTOR BY OTHERS, UNO; EC TO MAKE WIRING TERMINATIONS		
(X)	MOTOR RATED TOGGLE SWITCH	20A, 277V, HP RATED, HEAVY DUTY, INDUSTRIAL, LOTO PROVISIONS		
⟨X ⟩		AMPS/VOLTAGE/POLES TO MATCH LOAD, THERMAL OVERLOADS, LOTO		
_	MANUAL MOTOR STARTER	AMPS/VOLIAGE/POLES TO MATCH LOAD, THERMAL OVERLOADS, LOTO		
√ X / \$		QUICK-MAKE/BREAK LOAD INTERRUPTER KNIFE SWITCH, HINGED METAL		
√ X / \$	MANUAL MOTOR STARTER	QUICK-MAKE/BREAK LOAD INTERRUPTER KNIFE SWITCH, HINGED METAL ENCLOSURE, EXTERNAL OPERABLE HANDLE, LOCABLE ON OR OFF.		
√ X / \$	MANUAL MOTOR STARTER DISCONNECT SWITCH	QUICK-MAKE/BREAK LOAD INTERRUPTER KNIFE SWITCH, HINGED METAL ENCLOSURE, EXTERNAL OPERABLE HANDLE, LOCABLE ON OR OFF. AMPS/POLES/FUSE SIZE/NEMA RATING		
√ X / \$	MANUAL MOTOR STARTER	QUICK-MAKE/BREAK LOAD INTERRUPTER KNIFE SWITCH, HINGED METAL ENCLOSURE, EXTERNAL OPERABLE HANDLE, LOCABLE ON OR OFF.		
\$ \$ \$ _M	MANUAL MOTOR STARTER DISCONNECT SWITCH	QUICK-MAKE/BREAK LOAD INTERRUPTER KNIFE SWITCH, HINGED METAL ENCLOSURE, EXTERNAL OPERABLE HANDLE, LOCABLE ON OR OFF. AMPS/POLES/FUSE SIZE/NEMA RATING PROVIDE INTEGRAL DISCONNECT FOR STARTERS, VFDS, ETC SHOWN WITH A DISCONNECT HANDLE N.O. & N.C. AUXILLARY CONTACTS, FUSED CPT, ADJUSTABLE OVERLOAD		
\$ \$ \$ \ \ \ \ \ \	MANUAL MOTOR STARTER DISCONNECT SWITCH COMBINATION STARTER & DISCONNECT	QUICK-MAKE/BREAK LOAD INTERRUPTER KNIFE SWITCH, HINGED METAL ENCLOSURE, EXTERNAL OPERABLE HANDLE, LOCABLE ON OR OFF. AMPS/POLES/FUSE SIZE/NEMA RATING PROVIDE INTEGRAL DISCONNECT FOR STARTERS, VFDS, ETC SHOWN WITH A DISCONNECT HANDLE		
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	MANUAL MOTOR STARTER DISCONNECT SWITCH COMBINATION STARTER & DISCONNECT	QUICK-MAKE/BREAK LOAD INTERRUPTER KNIFE SWITCH, HINGED METAL ENCLOSURE, EXTERNAL OPERABLE HANDLE, LOCABLE ON OR OFF. AMPS/POLES/FUSE SIZE/NEMA RATING PROVIDE INTEGRAL DISCONNECT FOR STARTERS, VFDS, ETC SHOWN WITH A DISCONNECT HANDLE N.O. & N.C. AUXILLARY CONTACTS, FUSED CPT, ADJUSTABLE OVERLOAD		
\$ \$ \$ \$ \ \ \ \ \	MANUAL MOTOR STARTER DISCONNECT SWITCH COMBINATION STARTER & DISCONNECT MAGNETIC STARTER - FVNR U.N.O.	QUICK-MAKE/BREAK LOAD INTERRUPTER KNIFE SWITCH, HINGED METAL ENCLOSURE, EXTERNAL OPERABLE HANDLE, LOCABLE ON OR OFF. AMPS/POLES/FUSE SIZE/NEMA RATING PROVIDE INTEGRAL DISCONNECT FOR STARTERS, VFDS, ETC SHOWN WITH A DISCONNECT HANDLE N.O. & N.C. AUXILLARY CONTACTS, FUSED CPT, ADJUSTABLE OVERLOAD SIZED PER MOTOR HP, REMOTE START INPUT, HOA SWITCH		
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	MANUAL MOTOR STARTER DISCONNECT SWITCH COMBINATION STARTER & DISCONNECT MAGNETIC STARTER - FVNR U.N.O. MAGNETIC CONTACTOR	QUICK-MAKE/BREAK LOAD INTERRUPTER KNIFE SWITCH, HINGED METAL ENCLOSURE, EXTERNAL OPERABLE HANDLE, LOCABLE ON OR OFF. AMPS/POLES/FUSE SIZE/NEMA RATING PROVIDE INTEGRAL DISCONNECT FOR STARTERS, VFDS, ETC SHOWN WITH A DISCONNECT HANDLE N.O. & N.C. AUXILLARY CONTACTS, FUSED CPT, ADJUSTABLE OVERLOAD SIZED PER MOTOR HP, REMOTE START INPUT, HOA SWITCH 20A PER POLE, 120/277V, HOA SWITCH, HINGED METAL ENCLOSURE		

ABBREVIATIONS

Α.	AMPERE	FACP	FIRE ALARM CONTROL PANEL	MTD.	MOUNTED
AC	ABOVE COUNTER	FLA.	FULL LOAD AMPS	MTS	MANUAL TRANSFER SWITCH
AFF.	ABOVE FINISHED FLOOR	FS	FLOW SWITCH	MV.	MEDIUM VOLTAGE
AIC.	AMP INTERRUPTING CAPACITY	FSD	FIRE SMOKE DAMPER	N.I.C.	NOT IN CONTRACT
A/V	AUDIO VISUAL	GFI.	GROUND FAULT INTERRUPTER	NTS.	NOT TO SCALE
ATS	AUTOMATIC TRANSFER SWITCH	GND.	GROUND	Ø	PHASE
BLDG.	BUILDING	HOA.	HAND-OFF-AUTO	OL.	OVERLOAD
C.	CONDUIT	HP.	HORSEPOWER	OE	OVER HEAD ELECTRIC
CKT.	CIRCUIT	HPS.	HIGH PRESSURE SODIUM	P.S.	PULL STRING
CM	BUILDING CONDUIT CIRCUIT CONTROL MODULE CITY OF AUSTIN	HTR.	GROUND HAND-OFF-AUTO HORSEPOWER HIGH PRESSURE SODIUM HEATER	RECPT.	RECEPTACLE
COA.	CITY OF AUSTIN	IG	ISOLATED GROUND	RGS.	RIGID GALVANIZED STEEL
CONN.	CONNECT OR CONNECTION	1-ROX	ISOLATED GROUND JUNCTION BOX	SPD	SURGE PROTECTION DEVICE
CT.	CURRENT TRANSFORMER	KCM.	THOUSAND CIRCULAR MILLS LOCK OUT TAG OUT	TS	TAMPER SWITCH
DIM.	DIMENSION	LOTO	LOCK OUT TAG OUT	TTB	TELEPHONE TERMINAL BOARD
FΔ	FACH	LTG.	LIGHT OR LIGHTING	TVSS	TRANSIENT V. SURGE SUPPRESSER
EC	ELECTRICAL CONTRACTOR	MCB.	MAIN CIRCUIT BREAKER	TYP.	TYPICAL
EF.	EXHAUST FAN	MCC.	MOTOR CONTROL CENTER	UG.	UNDERGROUND
ELEC.	ELECTRICAL CONTRACTOR EXHAUST FAN ELECTRIC, ELECTRICAL EMERGENCY	MCP.		UNO.	UNLESS NOTED OTHERWISE
EMER.	EMERGENCY	MIN.	MOTOR CIRCUIT PROTECTOR MINIMUM	V.	VOLTAGE
EPO	EMERGENCY POWER OFF	MH.	METAL HALIDE	WH.	WATER HEATER
	ELECTRIC WATER COOLER	MLO.	METAL HALIDE MAIN LUGS ONLY MOTOR RATED SWITCH	WP.	WEATHER PROOF
		MRS	MOTOR RATED SWITCH	WR.	WEATHER RATED
				VEND	

MAIN SWITCH BOARD

XFMR. TRANSFORMER

COMMUNICATIONS DESCRIPTION **SPECIFICATIONS** SYMBOL ▼ 🗖 | DATA OUTLET WALL & FLOOR MTD. 4X4 DEEP METAL BOX WITH SINGLE GANG REDUCER DATA/VOICE OUTLET WALL & FLOOR MTD. WITH CONDUIT FROM BOX TO ACCESSIBLE CEILING VOICE OUTLET WALL & FLOOR MTD. INSTALL FLOOR MOUNTED DATA IN FLOORBOX OR POKE THRU WIRELESS ACCESS POINT (ROUTER) COORDINATE WAP REQUIREMENTS WITH OWNER SPEAKER OUTLET CEILING & WALL MTD. COORDINATE SPEAKER REQUIREMENTS WITH OWNER **VOLUME CONTROL** COORDINATE EXACT LOCATION WITH OWNER **BUZZER CHIME** COORDINATE EXACT LOCATION WITH OWNER BUZZER SYSTEM PUSHBUTTON COORDINATE EXACT LOCATION WITH OWNER AIPHONE SYSTEM DOOR STATION COORDINATE EXACT LOCATION WITH OWNER AIPHONE SYSTEM WALL MOUNT INTERCOM COORDINATE EXACT LOCATION WITH OWNER FIRE ALARM SYMBOL DESCRIPTION **SPECIFICATIONS** AUDIO/VISUAL FIRE ALARM ADDRESSABLE, HORN, XENON STROBE, ADJUSTABLE STROBE INTENSITY VISUAL STROBE FIRE ALARM ADDRESSABLE, XENON STROBE, ADJUSTABLE STROBE INTENSITY MANUAL PULL STATION ADDRESSABLE, MANUAL, SINGLE ACTION, ADA COMPLIANT ALARM FIRE ALARM SPEAKER AREA SMOKE DETECTOR ADDRESSABLE, IONIZATION/PHOTOELECTRIC, ADJUSTABLE SENSITIVITY Or (HD) AREA HEAT DETECTOR ADDRESSABLE, RATE OF RISE & FIXED TEMP, SPOT TYPE, LED STATUS ADDRESSABLE, SAMPLING TUBE, RELAY CONTACT, LOCATE 3FT FROM FAN DUCT MOUNTED SMOKE DETECTOR BEFORE BRANCHES, LED STATUS INDICATOR MODULAR, ADDRESSABLE, AUTOMATIC FA SYSTEM REMOTE MONITORING FIRE ALARM PANEL BATTERY BACKUP TO OPERATE FOR 24 HOURS FOLLOWED BY 5 MIN. OF FIRE ALARM EXTENSION PANEL ALARM, LCD DISPLAY, PUSHBUTTON CONTROLS FAA FIRE ALARM PANEL REMOTE ANNUNCIATOR LCD DISPLAY, PUSHBUTTON CONTROLS MONITOR MODULE MOUNT IN J-BOX, SOLID COVER W/LABEL, 1/2" CONDUIT TO ACCESSIBLE CONTROL MODULE HOOD FIRE SUPPRESSION SYSTEM RELAY SUPERVISORY SWITCH TAMPER SWITCH WATER FLOW SWITCH PADDLE SWITCH, ACTUATED BY WATER FLOW MOTORIZED SMOKE FIRE DAMPER PROVIDE 120V PWR & FA MODULES AT DUCT FIREMAN'S PHONE JACK, WALL MOUNTED 4X4 DEEP METAL BOX W/SINGLE GANG REDUCER, 1" CONDUIT TO CEILING AREA OF REFUGE BUTTON SPECIFIED BY ARCHITECT

FIRE ALARM BIDDER DESIGN GENERAL NOTES:

- TENANT FIRE ALARM SYSTEM SHALL BE PROVIDED BY BIDDER DESIGN SUB—CONTRACTOR AT THE EXPENSE OF THE ELECTRICAL CONTRACTOR. SEE SPECIFICATIONS FOR GENERAL REQUIREMENTS.
- 2. FIRE ALARM CABLING THROUGHOUT SALES FLOOR
 AREAS SHALL BE RUN IN CONDUIT, NO EXCEPTIONS.
 AT ALL OTHER LOCATIONS CABLING MAY BE RUN
 EXPOSED ONLY AS ALLOWED BY LANDLORD AND

DEDICATED NEUTRAL GENERAL NOTE:

PROVIDE DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT — NO SHARING OF NEUTRAL ALLOWED

DATA CONDUIT GENERAL NOTE:

- 1. NO CONDULETS (LB's)
- 2. PROVIDE A PULL BOX FOR DATA CONDUIT RUNS
 OF 100 FEET OR MORE AND IF THERE ARE MORE
 THAN THREE 90 DEGREE BENDS. IF DATA PULL
 BOX IS REQUIRED, ELECTRICAL CONTRACTOR
 SHALL COORDINATE EXACT LOCATION OF PULL
 BOX WITH GENERAL CONTRACTOR PRIOR TO
 INSTALLATION AND SIZE AS REQUIRED.
- 3. RUN IN THE MOST DIRECT ROUTE AS POSSIBLE (USUALLY PARALLEL TO BUILDING LINES)
- 4. BE BONDED ON BOTH ENDS IN ACCORDANCE WITH NATIONAL OR LOCAL REQUIREMENTS (ANSI/TIA/EIA-607)
- 5. WITHSTAND THE ENVIRONMENTS TO WHICH THEY WILL BE EXPOSED.

POWER GENERAL NOTES:

- SECURITY ALARM, DATA AND TELEPHONE SYSTEMS SHALL BE INSTALLED BY THE TENANT AFTER CASEWORK INSTALLATION. CONDUIT, BOXES AND PULL WIRES TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR. COORDINATE WITH SECURITY AND TELEPHONE SYSTEMS INSTALLER AT JOBSITE.
- REFER TO MECHANICAL DRAWINGS FOR EXACT HVAC EQUIPMENT LOCATIONS AND SPECIFICATIONS. VERIFY EQUIPMENT WIRE SIZE, CONDUIT SIZES, CIRCUIT BREAKER AND DISCONNECT SIZES WITH EQUIPMENT NAMEPLATE PRIOR TO ROUGH—IN.
- 3. ALL CONNECTIONS TO HVAC EQUIPMENT SHALL BE MADE WITH COPPER CONDUCTORS ONLY.
- PROVIDE FUSIBLE DISCONNECT SWITCHES OR HACR CIRCUIT BREAKERS FOR ALL HVAC EQUIPMENT. FUSE SIZES SHALL BE AS INDICATED ON EQUIPMENT NAMEPLATES. THE ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECT SWITCH AND FUSE SIZES WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING MATERIAL.
- ALL FUSES FOR THIS PROJECT SHALL BE BUSSMAN CLASS RK5 DUAL ELEMENT CURRENT LIMITING WITH AMPERAGES AS INDICATED OR REQUIRED.
- FIRE SEAL ALL FIRE WALL PENETRATIONS FOR CONDUITS WITH AN APPROVED FIRE SEALANT AFTER CONDUIT INSTALLATION. FIRE SEAL SHALL PROVIDE EQUAL FIRE RATING AS WALL.
- ALL RECEPTACLE CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. ALL RECEPTACLE CIRCUITS FROM 101'-0" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. ALL RECEPTACLE CIRCUITS 151'-0" UP TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. CIRCUITS ABOVE 251'-0" SHALL UTILIZE #6 CONDUCTORS MINIMUM.
- B. DECORA OUTLETS THROUGHOUT. WHITE ON WHITE.

GENERAL NOTES:

- I. CIRCUIT BREAKER TYPE PANELBOARDS WITH BOLT-ON TYPE CIRCUIT BREAKERS WITH ADEQUATE INTERRUPTING CAPACITY SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- 2. THE GROUNDING SYSTEM WITHIN THE PREMISE SHALL BE CONTINUOUS FROM THE SYSTEM GROUND IN THE METER ROOM. THE SECONDARY OF THE TENANT TRANSFORMERS SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C.
- ALL WIRING METHODS SHALL BE IN ACCORDANCE WITH LOCAL AND NATIONAL CODES. ALL POWER WIRE ON THE PREMISE SHALL BE INSTALLED IN CONDUIT. CONDUCTOR INSULATION SHALL BE THW, THHN OR THWN. NO ROMEX CABLES ARE ALLOWED.
- 4. ALL ELECTRICAL MATERIALS SHALL BE NEW AND UNUSED AND SHALL INCLUDE ALL OPTIONAL ITEMS REQUIRED FOR A COMPLETE INSTALLATION. ALL EQUIPMENT SHALL BEAR THE UNDERWRITER'S LABORATORIES LABEL.
- 5. BX, ROMEX, ARMORED CABLING, ETC. SHALL NOT BE ALLOWED.
- 6. WHEN SPACE ABOVE CEILING IS INDICATED TO BE A RETURN AIR PLENUM, PLENUM NONCOMBUSTIBLE CONSTRUCTION MATERIALS TO BE USED ABOVE CEILING, INCLUDING EXISTING AND NEW WIRING EXCEPT INSULATION OF 25 FLAME SPREAD AND 50 SMOKE DEVELOPMENT FINISH RATING. LOW VOLTAGE OR LIMITED POWER WIRING MAY BE LABELED PLENUM RATED TYPE.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SEISMIC SUPPORT (LATERAL AND HORIZONTAL) FOR ALL TRACK LIGHTING AND LIGHT FIXTURES PER THE JURISDICTIONAL REQUIREMENTS.
- 8. SEE DETAILS #1 AND #2 ON SHEET E-202 FOR DATA/VOICE CONDUIT REQUIREMENTS.
- 9. UON ALL OUTLET HEIGHT DIMENSIONS SHALL BE TO CENTER OF DEVICE, MEASURED FROM FINISHED FLOOR.
- 10. ELECTRICAL CONTRACTOR SHALL PROVIDE PULL STRING IN ALL CONDUITS.
- 11. ELECTRICAL CONTRACTOR SHALL PROVIDE MOTOR STARTERS FOR ALL HVAC EQUIPMENT AS REQUIRED BY MECHANICAL CONTRACTOR.
- 12. SALES AREA UTILIZES "OPEN TO STRUCTURE" CONCEPT WITH NO CEILING INSTALLED. MC CABLE AND FLEXIBLE CABLING SHALL NOT BE ALLOWED AT ANY AREAS THAT WILL BE WITHIN PUBLIC VIEW. ALL EXPOSED CONDUIT AND BRANCH CIRCUITING SHALL BE NEATLY INSTALLED USING EMT. CONDUIT RUNS SHALL BE GROUPED TOGETHER, RUN PARALLEL TO GRID LINES, AND RACKED ON TRAPEZE W/THREADED ROD ATTACHED TO STRUCTURE. HORIZONTAL SPACING BETWEEN CONDUITS ON RACK SHALL BE UNIFORM AND CONSISTENT THROUGHOUT.
- 13. FOR RECEPTACLE LOCATIONS THAT REQUIRE SURFACE MOUNTING, PROVIDE STEEL, RAISED COVER.
- FOR DEVICE MOUNTING HEIGHT REQUIREMENTS, SEE DETAIL #2, SHEET E-205.
- AT SALES FLOOR, VERTICAL BRANCH CIRCUIT DROPS SHALL BE NEATLY CONCEALED WHERE POSSIBLE.
- AND COMPLY WITH ALL REQUIREMENTS.

 17. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNERS' SECURITY

16. ELECTRICAL CONTRACTOR SHALL OBTAIN LANDLORD CRITERIA MANUAL

- VENDOR AND PROVIDE RACEWAYS AS REQUIRED.

 18. ALL WHIPS FOR CASEWORK ARE TO BE FULLY ENCASED INSIDE
- WALLS.

THREADED ROD SUPPORT CONNECTION NOTE:

1. PROVIDE A POSITIVE LOCKING MECHANISM AN ALL THREADED ROD HANGER CONNECTIONS: I.E. LOCKNUTS, LOCK WASHERS, NYLON INSERTS, DOUBLE NUTS, LOCTITE, ETC..

SECURITY SYSTEM GENERAL NOTES:

- 1. THE SECURITY SYSTEM CABLING SHALL BE PROVIDED BY THE OWNER'S VENDOR. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THIS VENDOR AND PROVIDE SLEEVES AND/OR PENETRATIONS THROUGH FIRE RATED CONSTRUCTION OR FLOORS AS REQUIRED FOR THE CABLING INSTALLATION.
- 2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE SECURITY SYSTEM RACEWAY AS SHOWN ON THE PLANS AND AS REQUIRED BY THE JURISDICTION AND LANDLORD. THE ELECTRICAL CONTRACTOR SHALL CLEARLY LABEL WITH A SHARPIE MARKER, THE JUNCTION BOXES AND CONDUITS FOR THE SECURITY VENDOR. EACH CONDUIT SHALL BE CLEARLY MARKED AT THE STUB LOCATION WITH "SEC", AND EACH JUNCTION BOX SHALL BE MARKED ON THE INTERIOR OF THE BOX AS "SEC"
- 3. THE ELECTRICAL CONTRACTOR SHALL VERIFY WITH THE JURISDICTION AND LANDLORD IF LOW VOLTAGE CABLING IS REQUIRED TO BE INSTALLED IN CONDUIT, AND SHALL PROVIDE CONDUIT SYSTEM IF REQUIRED.

DATA/VOICE SYSTEM GENERAL NOTES:

- 1. THE DATA/VOICE SYSTEM CABLING (EXCEPT FOR SOUND SYSTEM VOLUME CONTROL AND TRAFFIC COUNTER) SHALL BE PROVIDED BY THE OWNER'S VENDOR. THE TENANT ELECTRICAL CONTRACTOR SHALL PROVIDE THE CABLING FOR THE VOLUME CONTROL AND TRAFFIC COUNTER.
- 2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE OUTLET BOXES AND RACEWAY SYSTEM AS SHOWN ON THE PLANS AND AS REQUIRED BY THE JURISDICTION AND LANDLORD.
- 3. THE DATA/VOICE SYSTEM CABLING HAS A LENGTH LIMITATION OF 290 LINEAR FEET. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A RACEWAY SYSTEM, IN ACCORDANCE WITH THE REQUIREMENTS SHOWN ON THE PLANS, SUCH THAT THE LINEAR FOOTAGE FROM EACH OUTLET TO THE TTB DOES NOT EXCEED 290 LINEAR FEET. IN THE EVENT THIS IN NOT POSSIBLE, REPORT BACK TO GENERAL CONTRACTOR AND OWNER FOR DIRECTION.
- 4. THE OVERHEAD RACEWAY SYSTEM SHALL BE RUN PARALLEL WITH THE BUILDING GRID LINES. IN THE EVENT THERE ARE CABLE LENGTH ISSUES, REPORT BACK TO THE GENERAL CONTRACTOR PRIOR TO RACEWAY INSTALLATION FOR DIRECTION.
- 5. THE ELECTRICAL CONTRACTOR SHALL CLEARLY LABEL WITH A SHARPIE MARKER THE OUTLET BOXES AND CONDUIT FOR THE DATA/VOICE VENDOR.

DRAWING SCHEDULE

NUMBER	TITLE
E-001	ELECTRICAL LEGENDS AND NOTES
E-002	LIGHTING FIXTURE SCHEDULE
E-003	LIGHTING CONTROLS
E-004	LIGHTING CONTROLS
E-005	SOUND SYSTEM
E-006	ENERGY CODE CALCULATIONS
E-110	OVERALL FIRST FLOOR POWER PLAN
E-111	PARTIAL FIRST FLOOR POWER PLAN
E-112	PARTIAL FIRST FLOOR POWER PLAN
E-120	BASEMENT POWER PLAN
E-130	OVERALL FIRST FLOOR LIGHTING PLAN
E-131	PARTIAL FIRST FLOOR LIGHTING PLAN
E-132	PARTIAL FIRST FLOOR LIGHTING PLAN
E-140	BASEMENT LIGHTING PLAN
E-201	ELECTRICAL DETAILS
E-202	ELECTRICAL DETAILS
E-203	ELECTRICAL DETAILS
E-204	ELECTRICAL DETAILS
E-205	ELECTRICAL DETAILS
E-206	ELECTRICAL DETAILS
E-401	ELECTRICAL RISER DIAGRAM
E-501	PANEL SCHEDULES
E-901	ELECTRICAL SPECIFICATIONS
E-902	ELECTRICAL SPECIFICATIONS

1:49 PM

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ISSUED / REVISED DATE
PRELIMINARY SET 09/08/16
LL COORDINATION SET 11/08/16
LL/PERMIT SET 11/21/16

ELECTRICAL LEGENDS AND NOTES

E-001