Date: 03/05/15

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE INSTALLATION INCLUDING ALL JACKS, PUNCH DOWN PANELS WITH ALL CABLES PROPERLY TERMINATED AND TAGGED AND FINAL CONNECTIONS TO TEL COMPANY PUNCH DOWN PANEL WITH JUMPERS

TEL./CATV RISER DIAGRAM

N.T.S.

FIXTURE SCHEDULE-APARTMENTS

TYPE	MANUFACTURER CATALOG NUMBER	VOLT	LAMP	DESCRIPTION
U1	ALLOWANCE $150	120	–	UNIT ENTRY /HALL/BEDROOM RECESSED
U2	ALLOWANCE $150	120	–	KITCHEN RECESSED LIGHTS
U3	ALLOWANCE $150	120	–	VANITY LIGHTS
U4	ALLOWANCE $150	120	–	LAUNDRY CLOSET LIGHT

FIXTURE SCHEDULE- COMMON AREAS

TYPE	MANUFACTURER CATALOG NUMBER	VOLT	LAMP	DESCRIPTION
C1	ALLOWANCE $150	120	–	COMMON AREA HALL, LOBBY LIGHTS
C2	ALLOWANCE $150	120	–	STAIRS
C3	ALLOWANCE $150	120	–	EXTERIOR WALL SCONCES
C4	ALLOWANCE $150	120	–	RETAIL TENANT TEMPORARY LIGHTS
	ALLOWANCE $100	120	–	SELF POWERED EXIT SIGN
	ALLOWANCE $100	120	–	SELF POWERED EMERGENCY LIGHT FOR INDOOR
WP	ALLOWANCE $100	120	–	REMOTE POWERED WP EMERGENCY LIGHT FOR EXTERIOR

LAMPS AND BALLASTS SHALL BE IN COMPLIANCE WITH LOCAL UTILITY COMPANY REBATE PROGRAMS, SPECIFICATIONS ABOVE FOR THE FIXTURE TYPE ONLY
FLUORESCENT FIXTURES SHALL HAVE ELECTRONIC BALLASTS THD LESS THAN %15
FIXTURES MOUNTED IN INSULATED CEILINGS, EC SHALL PROVIDE HOODS TO KEEP INSULATION AWAY
FIXTURES MOUNTED IN RATED CEILINGS (SEE ARCHITECTURAL DRAWINGS), EC SHALL PROVIDE HOODS TO MAINTAIN RATINGS

EMERGENCY LIGHTS SHALL HAVE INTEGRAL TEST SWITCHES BUILT INTO FIXTURE (NOT SEPARATE SWITCH)
PROVIDE CONSTANT FEED TO BUILT-IN EMERGENCY BATTERY AS REQUIRED

SYMBOL LIST

	CEILING MOUNTED LIGHT FIXTURE.
	WALL MOUNTED LIGHT FIXTURE.
	1'x4' FLUORESCENT STRIP LIGHTS
	1'x4' FLUORESCENT WALL/CEILING MOUNTED LIGHT FIXTURE.
S	SINGLE POLE LIGHT SWITCH
S_3	THREE-WAY LIGHT SWITCHES
S_4	FOUR-WAY LIGHT SWITCHES
S_T	TIME DELAY SWITCH FOR UNIT BATHROOM CEILING FAN
	DUPLEX RECEPTACLE, 120V,18" AFF.
GFI	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER 8" ABOVE COUNTER TO ℄
	DUPLEX RECEPTACLE, 120V,18" AFF., ONE OUTLET SWITCHED
	120V DOUBLE DUPLEX CONVENIENCE RECEPTACLE
	DUPLEX RECEPTACLE ABOVE COUNTER, 8" ABOVE COUNTER TO ℄.
W	TELEPHONE JACK COMPLETE W/JACK AND COVER, ('W' WALL MOUNTED @ 4'-0" A.F.F)
TV	CATV OUTLET, COMPLETE W/JACK AND COVER, HEIGHT AT 18" TO ℄ AFF.
	MOTOR
3R	FUSED DISCONNECT SWITCH, (3R RAIN-PROOF).
S	SYSTEM TYPE SMOKE DETECTOR W/BATTERY
F	FIRE ALARM PULL AND A/V DEVICE
F	FIRE ALARM PULL STATION CENTERLINE 4'-0" AFF
F	FIRE ALARM AUDIO/VISUAL UNIT. MTD. @ 6'-8" AFF
L	FIRE ALARM LIGHT. MTD. @ 6'-8" AFF
S	110V LOCAL TYPE SMOKE DETECTOR W/BATTERY
CO S	110V LOCAL TYPE COMBINATION SMOKE AND CO DETECTOR W/BATTERY
H	FIRE ALARM MINI HORN
K	FIRE ALARM KNOX BOX
	AUTOMATIC DOOR OPERATOR
DH	MAGNETIC DOOR HOLDER
	HOMERUN TO PANEL WITH CONDUCTOR.(HOT, NEUTRAL, GROUND)
J	JUNCTION BOX
	LIGHTING & POWER PANEL, RECESSED
	LOW VOLTAGE PANEL
FACP	FIRE ALARM CONTROL PANEL
ANN	FIRE ALARM ANNUNCIATOR
TS	TAMPER SWITCH
FS	FLOW SWITCH
TC	TIME SWITCH
PC	PHOTO-CELL
	UNIVERSAL MOUNTING EXIT SIGN (DOUBLE FACED), ARROWS AS INDICATED.
	UNIVERSAL MOUNTING EXIT SIGN (DOUBLE FACED), WITHOUT ARROWS .
	EMERGENCY BATTERY UNIT WITH MOUNTING BRACKET AND VOLTMETER.

NOTES

PROVIDE ADDRESS MODULES FOR ALL FLOW & TAMPER SWITCHES
SEE FLOOR PLANS FOR DETECTOR TYPES AND LOCATIONS AND QUANTITIES.
SEE SPRINKLER DRAWINGS FOR FLOW/TAMPER SWITCH LOCATIONS AND QUANTITIES.
CARRY MINIMUM OF (1)FLOW AND (4)TAMPER SWITCH AT SPRINKLER SERVICE LOCATION AND (1) FLOW/TAMPER SWITCH PER FLOOR PER STAIR.
PROVIDE BATTERY CALCULATIONS AND ONE LINE WIRING DIAGRAM
PROVIDE TEST CERTIFICATE FROM UL LISTED ALARM COMPANY

SEQUENCE OF OPERATION

UPON ACTIVATION OF ANY FIRE DETECTOR, MANUAL PULL STATION OR FLOW SWITCH
-FIRE ALARM PANEL WILL TRIP AND CALL FIRE DEPARTMENT
-ALL AUDIO DEVICES WILL INITIATE ALARM SIGNAL TO ALERT ALL OCCUPANTS FOR ALARM CONDITION IN THE BUILDING FOR FULL EVACUATION.
-ALL VISUAL DEVICES WILL ACTIVATE, THEY SHALL BE SYNCHRONIZED TYPE.

FIRE ALARM SYSTEM RISER DIAGRAM

SYSTEM SHALL BE COMPLETE WITH ALL NECESSARY RELAYS/TRANSFORMERS/OTHER COMPONENTS AND WIRED COMPLETE TO UNIT TELEPHONE LINES AS REQUIRED. THERE WILL BE NO SUBSCRIBER LINE IN THIS SYSTEM

TELEPHONE ENTRY RISER DIAGRAM

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SHWARTZ BUILDING RENOVATIONS

15 10 5 0 5

ELECTRICAL DETAILS
scale: NTS