

\\DESIGNTOP-R48PLVZCAD-Project\1866 Irvington Senior Center\1866 ME-5 Schedules & Riser.dwg, 9/21/2021 8:02:34 AM, J.M.

## GENERAL NOTES

- ALL WORK SHALL COMPLY WITH THE STATE'S ADOPTED NFPA AND ADOPTED NEC WITH LOCAL SUPPLEMENTS.
- WORK PERFORMED SHALL BE UNDERTAKEN WITH PRECAUTION BEING MAINTAINED TO ENSURE SAFETY OF PERSONNEL AND EQUIPMENT IN AREA IN SUCH A MANNER SO AS NOT TO DISTURB NORMAL WORK PROCEDURE.
- WORK SHOWN IS DIAGRAMMATIC. EXACT LOCATION OF CONDUIT RUNS SHALL BE DETERMINED IN FIELD. LOCATE NEW CONDUIT RUNS TO CLEAR EXISTING AND NEW PIPING, DUCTWORK, ACCESS DOORS AND OTHER OBSTRUCTIONS. COORDINATE CONDUIT ROUTING WITH WORK OF OTHER TRADES AND ALTER WHERE NECESSARY TO AVOID INTERFERENCE.
- PROVIDE IDENTIFICATION TAGS FOR NEW WIRING AND INSTALL AT EACH END AND IN INTERMEDIATE PULL/JUNCTION BOXES, CABINETS, HOUSINGS, ETC. INDICATE ON TAGS, LEGIBLY, MINIMUM 1/4" HIGH LETTERS, THE POINTS OF ORIGIN AND TERMINATION OF EACH CIRCUIT. INCLUDE DATE OF INSTALLATION.
- WHEN PORTION OF AN EXISTING CIRCUIT IS TO BE REMOVED OR IS ON WALL BEING REMOVED, CONTRACTOR SHALL MAKE NECESSARY MODIFICATIONS AND/OR ADDITIONS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY OF UNCHANGED PORTION.
- VERIFY EXACT LOCATION OF EQUIPMENT, SHOWN OR NOT SHOWN, IN FIELD PRIOR TO PERFORMING ANY WORK.
- VERIFY IN FIELD THAT ANY EQUIPMENT AND WIRING TO BE REMOVED DOES NOT SERVE ACTIVE EQUIPMENT TO REMAIN PRIOR TO DISCONNECTING/ REMOVING.
- INSTALL CONDUIT RUNS AS CLOSE TO CEILING DECK AS POSSIBLE. PROVIDE REQUIRED CONDULETS, ELBOWS, FITTINGS, OFFSETS, AND PULLBOXES.
- CONDUITS SHALL BE PROPERLY SUPPORTED FROM CEILING DECK ABOVE. NO CONDUIT SHALL BE SECURED TO, SUPPORTED BY OR HUNG FROM DUCTWORK OR PIPING OR OTHER SUCH ITEMS.
- WORK REQUIRING SHUT-DOWN OF ELECTRIC SERVICE SHALL BE PERFORMED DURING PRE-SCHEDULED SHUT-DOWN AS SCHEDULED AND APPROVED BY ARCHITECT AND OWNER. INCLUDE COSTS IN BID.
- NEW WORK SHALL BE COMPATIBLE WITH EXISTING SYSTEM AND EQUIPMENT.
- PROVIDE CUTTING AND PATCHING REQUIRED FOR ELECTRICAL INSTALLATION.
- PROVIDE SLEEVES FOR RACEWAYS PIERCING FIRE RATED WALLS, FLOORS, AND OTHER CONSTRUCTION OBSTACLES.
- MATERIALS REMOVED BY CONTRACTOR AND NOT REQUIRED FOR INSTALLATION SHALL BE REMOVED FROM PREMISES AND DISPOSED OF IN LEGAL MANNER, IMMEDIATELY WHEN SO DIRECTED BY ARCHITECT.
- APPLY LABELING ON CONDUIT FOR BUILDING ALARM CIRCUITRY AT INTERVALS OF 20 FT.
- CONDUCTORS IN PARALLEL SHALL BE INSTALLED IN STRICT ACCORDANCE WITH APPLICABLE CODES.
- PHASING OF ELECTRICAL WORK SHALL COMPLY WITH "PHASING OF THE WORK" AS DESCRIBED BY ARCHITECT.
- PROVIDE BLANK COVERS ON ABANDONED OR UNUSED OUTLET BOXES.
- MAKE FINAL CONNECTIONS FOR MOTORIZED EQUIPMENT OR EQUIP. SUBJECT TO VIBRATION, WITH FLEXIBLE RACEWAY.
- IF ANY DEVIATIONS/VARIATIONS ARE DISCOVERED BETWEEN FLOOR PLANS AND CONNECTION DIAGRAMS, THE CONTRACTOR SHALL PROVIDE FOR THE MOST EXPENSIVE SITUATION WITH CREDIT SUBMITTED, SHOULD THE LESSER AMOUNT BE REQUIRED.
- WHERE THE PLANS DO NOT INDICATE THE BRANCH CIRCUIT WIRING AND CONDUIT FOR FIXTURES OR OUTLETS NOR THE CONDUIT SIZE FOR FEEDERS, PROVIDE THE CORRECT WIRING QUANTITY AND SIZE, INSTALLED IN CONDUIT, AS REQUIRED BY THE INDICATED CIRCUITRY AND THE NATIONAL ELECTRICAL CODE WITH LOCAL SUPPLEMENTS.
- PROVIDE IDENTIFICATION ON EACH FACEPLATE, DISCONNECT SWITCH, PANEL, ETC. IDENTIFICATION OF WIRING DEVICE FACEPLATE SHALL CONSIST OF PANEL DESIGNATION AND CIRCUIT NUMBER OF DEVICE AS CONNECTED, UTILIZE BROTHER "P-TOUCH" TYPE MATERIAL ADHERED TO FACEPLATE.
- NEW SYSTEMS SHALL BE MADE OPERATIONAL, AS SPACES ARE ACCEPTED, PROVIDE PERSONNEL, TESTING, SCHEDULING AS REQUIRED, INCLUDE COST IN BID.
- LOCATIONS OF OUTLETS ARE APPROXIMATE AND FINAL LOCATION SHALL BE AS DIRECTED BY THE ARCHITECT. VERIFY ALL LOCATIONS BEFORE INSTALLATION. NO EXTRAS WILL BE ALLOWED FOR CHANGES UP TO 10'-0" FROM LOCATION SHOWN ON PLAN PRIOR TO ROUGH-IN.
- REFER TO THE MECHANICAL/PLUMBING/SPECIALTY/BAR (FOOD SERVICE) EQUIPMENT APPROVED SHOP DRAWINGS AND WIRING DIAGRAMS FOR POWER, CONTROL AND ALARM WIRING CONNECTIONS. OBTAIN NECESSARY POWER, CONTROL AND ALARM WIRING REQUIREMENTS FROM MECHANICAL/PLUMBING/SPECIALTY/BAR (FOOD SERVICE) SUB-CONTRACTORS PRIOR TO BID AND INCLUDE IN BID.
- CIRCUIT NUMBERS ON THE DRAWINGS ARE FOR IDENTIFICATION ONLY AND DO NOT INDICATE THE POSITION ON THE PANEL BOARD. CONNECT THE CIRCUITS WITH THE LIGHTEST LOADS AND THE RECEPTACLE CIRCUITS NEAR THE TOP OF THE PANEL AND THE MORE HEAVILY LOADED CIRCUITS NEAR THE BOTTOM. BALANCE ALL CIRCUITS EVENLY BETWEEN PHASES SO THAT FEEDER WIRES CARRY APPROXIMATELY EQUAL CURRENT. REBALANCE IF NECESSARY.
- COORDINATE WITH OTHER TRADES, ARCHITECTURAL DETAILS, ELEVATIONS, PLANS AND SPECIFICATIONS, PRIOR TO COMMENCING.

## FIRE ALARM GENERAL NOTES

- ELECTRICAL CONTRACTOR SHALL PROVIDE THE FACILITY'S LICENSED FIRE ALARM VENDOR IN BID. MARSHALL ALARM SYSTEMS, #914-962-4699
- ALL WIRES SHALL BE PLENUM RATED FIRE ALARM CABLES, 150'. ALL WIRES SHALL BE RUN IN EMT RACEWAYS PER RISER.
- SEE FLOOR PLANS FOR EXACT QUANTITY OF DEVICES.
- PROVIDE NEW POWER SUPPLIES AS REQUIRED. INTERFACE EXISTING AS REQUIRED.
- PROVIDE LOOP CARDS, EXPANSION. CARDS OR OTHER EQUIPMENT AS REQUIRED FOR ALL NEW AND EXISTING FUNCTIONS.
- PROVIDE NEW DETECTION AND NOTIFICATION DEVICES AS INDICATED.
- PROVIDE PROGRAMMING AND ANY THING FURTHER REQUIRED FOR A COMPLETE INSTALLATION.
- FILE WORK LOCALLY AS REQUIRED FOR INSPECTIONS.
- SUBMIT SHOP DRAWINGS, CUTS, RISERS, BATTERY CALCULATIONS.

## FIRE ALARM SEQUENCE OF OPERATION:

NOTE  
IT IS NOT THE INTENT OF THIS PROJECT TO ALTER THE EXISTING APPROVED SEQUENCE OF OPERATION.

EXISTING PANEL

PANEL MDP		TYPE SURFACE		MAINS CU. 400		AMPERES	
				VOLTAGE 120/208V 3Ø 4W & GND			
M.C.B. 400A				FEEDER EXISTING			
Circuit	Breaker	Assignment	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	LOAD WATTS	Phase	LOAD WATTS	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE
1	3	60	COOK TOP	EXISTING	A		EXISTING
3	3				B		
5	3				C		
7	3	30	SPARE	EXISTING	A	4.1KW	#10
9	3				B		
11	3				C		
13	3	60	NEW ACCU#1	1	#6	10.7KW	
15	3				A		EXISTING
17	3				B		
19	3				C		
21	3	200	SPARE	EXISTING	A		EXISTING
23	3				B		
25	3				C		
27	3	100	PANEL LP2	EXISTING	A		EXISTING
29	3				B		
31	3				C		
33	3	100	PANEL LP1	EXISTING	A		EXISTING
35	3				B		
37	3				C		
39	3	100	RTU#2	EXISTING	A	24KW	#3
41	3				B		
43	3				C		

REMARKS:

REMOVE EXISTING 3P-30A CB PROVIDE NEW MATCHING 3P-20A CB AND CONNECT

REMOVE EXISTING 3P-100 CB PROVIDE NEW MATCHING 3P-20A CB AND CONNECT

## ELECTRIC LEGEND

SYMBOL	DESCRIPTION &/OR SPECIFICATION
	TOGGLE SWITCH AS INDICATED
	CONDUIT RUN CONCEALED IN CEILINGS &/OR HUNG CEILING &/OR WALLS
	POWER DISTR. PANEL, LIGHTING PANEL, & RECEPTACLE PANEL
	ADDRESSABLE INTERFACE MODULE
	DUPLEX RECEPTACLE, CHILD TAMPER RESISTANT, LEVITON# TS825 - COLOR
	DUPLEX GFCI - CHILD TAMPER RESISTANT, LEVITON# GFWT2 GS362-WT-COLOR
	JUNCTION BOX E.G. TO MAKE ALL REQUIRED CONN. TO DESIGNATED EQUIPMENT
	FUSED DISCONNECT SWITCH- SIZE PER INTENDED USE. UNFUSE WHERE NOT REQUIRED. ALL I.D. TYPE EXCEPT NEMA-3B EXTERIOR USE
	MOTOR- NUMBER DENOTES HORSEPOWER
	THERMOSTAT
	MOTOR OPERATED DAMPER / MOTOR OPERATED VALVE
	EXISTING
	REMOVE EXISTING
	DUCT MOUNTED SMOKE DETECTOR

## ABBREVIATIONS

E.C.	ELECTRICAL CONTRACTOR	HD	HEAVY DUTY
H.C.	HEATING CONTRACTOR	CU	COPPER
P.C.	PLUMBING SUB CONTRACTOR	WP	WEATHER PROOF
G.C.	GENERAL CONTRACTOR	G.GND	GROUND
E.F.	EXHAUST FAN	CB	CIRCUIT BREAKER
U.P.P.P.	LIGHTING PANEL, POWER PANEL, RECEPT PANEL	GF	GROUND FAULT
C.O.	CONDUIT ONLY	DISC.	DISCONNECT
A.F.F.	ABOVE FINISHED FLOOR	FACP	FIRE ALARM CONTROL PANEL
N.T.S.	NOT TO SCALE	MD	MOTORIZED DAMPER
NEC	NATIONAL ELECTRIC CODE (LATEST)	MV	MOTORIZED VALVE
S/N	SOLID NEUTRAL	CO	CARBON MONOXIDE
E	EXISTING TO REMAIN	CLG	CEILING
R	REMOVE EXISTING		

## IRVINGTON SENIOR CENTER

29 BRIDGE STREET  
IRVINGTON, NY 10533

## HVAC UPGRADE



68 Purchase Street  
Rye, NY 10580  
info@tietjenpe.com

Tel: 914.967.9505  
Fax: 914.967.2310  
www.tietjenpe.com

### Revisions

No.	Date	Comments

PROJECT NUMBER: 1966

Scale: AS NOTED

Date: 09-16-2021

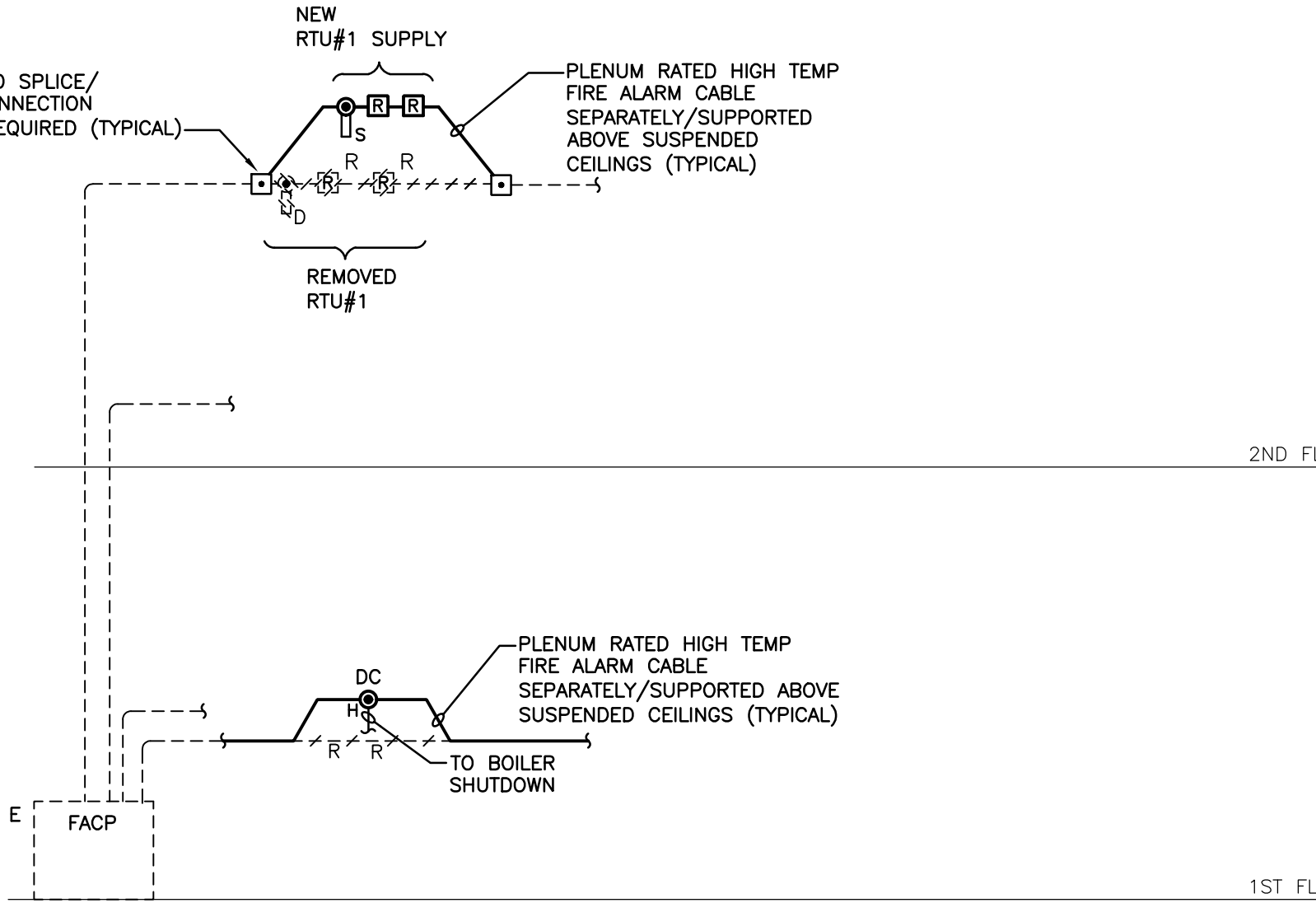
Drawing Title

**MECHANICAL**

**SCHEDULES , RISER**

Drawing No.

**ME-5**



5  
E-101

## PARTIAL FIRE ALARM RISER

NOT TO SCALE