






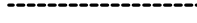















































GENERAL SYMBOLS	
  	KEY NOTE INDICATOR
	DRAWING REVISION INDICATOR
	CONNECT TO EXISTING











LINE TYPES	
	NEW WORK SCOPE OF WORK
	EXISTING SCOPE OF WORK
	DEMOLITION SCOPE OF WORK
	FUTURE SCOPE OF WORK
	UNDERGROUND ELECTRIC SECONDARY FEEDER
	-NEW BRANCH CIRCUIT W/ #12 AWG THHN WIRES -SLASH LINES INDICATES WIRES IN CIRCUIT -SHORT LINES DEPICTS PHASE CONDUCTOR -LONG LINE DEPICTS NEUTRAL CONDUCTOR -LONG LINE W/ DOT DEPICTS GROUND




















CONDUIT AND WIRING	
	BRANCH CIRCUIT RUN CONCEALED
	BRANCH CIRCUIT RUN UNDER FLOOR
	BRANCH CIRCUIT DOWN
	BRANCH CIRCUIT UP
	HOME RUN TO PANEL 2A CKTS 1,3, & 5













ELECTRICAL DEVICES			(MOUNTING HEIGHT TO CENTER LINE OF BOX UNLESS NOTED OTHERWISE)
\$	\$ ³	\$ ⁴	SINGLE-POLE, 3-WAY AND 4-WAY SWITCHES (48" AFF)
\$ ^D			LOCAL WALL DIMMER SWITCH (48" AFF)
\$ ^{PB}			PUSH-BUTTON SWITCH (48" AFF)
\$ ^F			FAN SWITCH (48" AFF)
⌚			WALL MOUNTED OCCUPANCY SENSOR SWITCH; DUAL TECHNOLOGY (PASSIVE INFRARED/ULTRASONIC)
⊙			CEILING MOUNTED OCCUPANCY/VACANCY SENSOR; DUAL TECHNOLOGY (PASSIVE INFRARED/ULTRASONIC)
RC			ROOM CONTROLLER (REFER TO PLANS)
⌚			TIMECLOCK (REFER TO PLANS)
⊖			DUPLEX RECEPTACLE (18" AFF)
⊕			DOUBLE DUPLEX RECEPTACLE (18" AFF)
⊖			DUPLEX RECEPTACLE - FLOOR BOX
⊖			SIMPLEX RECEPTACLE (18" AFF)
⊖			DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER OR BACKSPLASH
⊖ GFCI			GFCI DUPLEX RECEPTACLE
⊖ GFCIWP			GFCI DUPLEX RECEPTACLE WITH WHILE-IN-USE WEATHERPROOF COVER
⊖			SPECIAL RECEPTACLE (18" AFF) - TYPE AS NOTED
■ ■ ■ ■ ■			PLUG MOLD/WIRE MOLD RACEWAY
□			PUSH BUTTON

FIRE ALARM SYMBOLS	
	MANUAL PULL STATION (46" AFF)
	BELL/STROBE LIGHT COMBINATION (80" AFF)
	STROBE LIGHT (80" AFF)
	HORN (80" AFF)
	HORN/STROBE LIGHT COMBINATION (80" AFF)
	SPEAKER/STROBE (80" AFF)
	PROGRAM BELL (80" AFF)
	SMOKE DETECTOR - CEILING MOUNTED
	SMOKE ALARM - CEILING MOUNTED
	DUCT DETECTOR
	TAMPER SWITCH
	FLOW SWITCH
	MAGNETIC DOOR HOLDER (72" AFF)
	FIRE ALARM CONTROL PANEL
	RECESSED FIRE ALARM CONTROL PANEL

ELECTRICAL LIGHTING FIXTURE SYMBOLS	
	2X4 FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED
	2X4 LIFE SAFETY BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED
	2X2 FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED
	2X2 LIFE SAFETY BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED
	1X4 FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED
	1X4 LIFE SAFETY BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED
	4' STRIP FIXTURE - TYPE AS SPECIFIED
	4' STRIP LIFE SAFETY BRANCH FIXTURE - TYPE AS SPECIFIED
	1X4 FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED
	1X4 LIFE SAFETY BRANCH FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED
	1X4 FIXTURE - WALL MOUNTED - TYPE AS SPECIFIED
	1X4 LIFE SAFETY BRANCH FIXTURE - WALL MOUNTED - TYPE AS SPECIFIED
	LIGHTING FIXTURE - RECESSED OR SURFACE MOUNTED - TYPE AS SPECIFIED
	LIFE SAFETY BRANCH LIGHTING FIXTURE - RECESSED OR SURFACE - TYPE AS SPECIFIED
	LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED
	LIFE SAFETY BRANCH LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED
	WALL MOUNTED - TYPE AS SPECIFIED
	LIFE SAFETY BRANCH WALL FLUSH MOUNTED - TYPE AS SPECIFIED
	SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED
	COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED
	EXIT SIGN - CEILING MOUNTED - TYPE AS SPECIFIED
	EXIT SIGN - WALL MOUNTED - TYPE AS SPECIFIED

POWER DISTRIBUTION	
	PANELBOARD
	TRANSFORMER
	MOTOR CONNECTION - NUMERAL INDICATES HP
	DISCONNECT SWITCH - FUSED - AMPS/FUSE/POLE/NEMA
	DISCONNECT SWITCH - NON-FUSED - AMPS/POLES/NEMA
	DISCONNECT SWITCH - MOTOR/STARTER COMBINATION
	VARIABLE FREQUENCY DRIVE
	CONTROL PANEL
	JUNCTION BOX OR PULL BOX
	WALL MOUNTED JUNCTION BOX OR PULL BOX

COMMUNICATION DEVICES		(MOUNTING HEIGHT TO CENTER LINE OF BOX UNLESS NOTED OTHERWISE)
	DATA OUTLET (1" IF APPL): DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 1" AND PULL STRING TO ACCESSIBLE CEILING. PROVIDE NYLON BUSHING ON END OF CONDUIT FOR PROTECTION OF WIRE. PROVIDE 6 PORTS, CAT6A, RJ45	
	ABOVE COUNTER DATA OUTLET (1" ABOVE COUNTER OR BACKSPASH): DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING WITH 1" AND PULL STRING TO ACCESSIBLE CEILING. PROVIDE NYLON BUSHING ON END OF CONDUIT FOR PROTECTION OF WIRE. PROVIDE 6 PORTS, CAT6A, RJ45	
	DATA OUTLET - CEILING MOUNTED: DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING WITH 1" AND PULL STRING TO ACCESSIBLE CEILING. PROVIDE NYLON BUSHING ON END OF CONDUIT FOR PROTECTION OF WIRE. PROVIDE 6 PORTS, CAT6A, RJ45	
	CABLE TV OUTLET WITH 1 CATV JACK (1" IF APPL): PROVIDE 1" WITH PULL STRING TO ACCESSIBLE CEILING. PROVIDE INSULATED NYLON BUSHING ON END OF CONDUIT FOR PROTECTION OF WIRE.	
	12"x6" COMMUNICATION CABLE TRAY MOUNTED ABOVE SUSPENDED CEILING	
	RECESSED PUBLIC ADDRESS SPEAKER: PROVIDED WITH BAFFLE, GRILL AND MATCHING TRANSFORMER	
	RECESSED PUBLIC ADDRESS SPEAKER: PROVIDED WITH BAFFLE, GRILL AND MATCHING TRANSFORMER	
	CARD READER, FLUSH MOUNTED AT 42" AFF: PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 3/4" CONDUIT WITH PULL STRING TO DOOR CONTROLLER	
	DOOR CONTACT: PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 3/4" CONDUIT WITH PULL STRING TO DOOR CONTROLLER	
	ELECTRIC DOOR (HINGE) STRIKE: PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 3/4" CONDUIT WITH PULL STRING TO DOOR CONTROLLER	
	KEY PAD: PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 3/4" CONDUIT WITH PULL STRING TO DOOR CONTROLLER	
	REQUEST TO EXIT (INFRARED): PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 3/4" CONDUIT WITH PULL STRING TO DOOR CONTROLLER	
	DELAYED EGRESS: PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 3/4" CONDUIT WITH PULL STRING TO DOOR CONTROLLER	
	ELECTROMAGNETIC LOCK: PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 3/4" CONDUIT WITH PULL STRING TO DOOR CONTROLLER	
	KEY SWITCH: PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 3/4" CONDUIT WITH PULL STRING TO DOOR CONTROLLER	
	PUSH BUTTON/PUSH PLATE: PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 3/4" CONDUIT WITH PULL STRING TO DOOR CONTROLLER	
	INTRUSION DETECTION MOTION DETECTOR: PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 3/4" CONDUIT WITH PULL STRING TO ACCESSIBLE CEILING	
	CCTV CAMERA - FIXED: PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 3/4" CONDUIT WITH PULL STRING TO ACCESSIBLE CEILING; WP = WEATHERPROOF	
	CCTV CAMERA - 360° PTZ: PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING, 3/4" CONDUIT WITH PULL STRING TO ACCESSIBLE CEILING; WP = WEATHERPROOF	

NURSE CALL DEVICES	
	NURSE STATION (46" AFF)
	CODE BLUE STATION (46" AFF)
	BED NURSE CALL (46" AFF)
	TOILET NURSE CALL (46" AFF)
	SHOWER NURSE CALL (WEATHER PROOF) (46" AFF)
	DOCTOR DICTATION (46" AFF)
	DOCTOR PAGE (46" AFF)
	PILLOW SPEAKER/CONTROL
	NURSE CALL DUTY STATION (46" AFF)
	NURSE CALL MASTER
	NURSE CALL DOME LIGHT (CEILING)
 Z	NURSE CALL DOME ZONE LIGHT (CEILING)

[illegible]

GENERAL PROJECT NOTES

1. THIS IS A COMPLETE LIST OF ELECTRICAL SYMBOLS AND ABBREVIATIONS FOR REFERENCE ONLY. SYMBOLS SHOWN ON THIS DRAWING MAY NOT APPEAR ON THE FOLLOWING DRAWINGS.
2. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED SHUTDOWNS ON EXISTING UTILITIES WITH OWNER REPRESENTATIVES IN ORDER TO MINIMIZE IMPACT TO OTHER AREAS.
3. PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, REGULATIONS, AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. IF CONFLICTS EXIST BETWEEN ELECTRICAL ENGINEERING DOCUMENTS AND CODES, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
4. ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:
 - NFPA 70-2017, NATIONAL ELECTRICAL CODE
 - NFPA 72-2016, NATIONAL FIRE ALARM CODE
5. ALL WIRING SHALL BE IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4" MINIMUM CONDUIT FILL SHALL BE 40% MAX. ALL NEW CIRCUITS SHALL BE PROVIDED WITH AN INDIVIDUAL NEUTRAL AND GROUNDING CONDUCTOR WITH THE PHASE CONDUCTOR.
6. THE ELECTRICAL DRAWINGS ARE SCHEMATIC IN NATURE. BEFORE STARTING THE WORK, THE CONTRACTOR SHALL REVIEW ALL OTHER DISCIPLINE DRAWINGS AND VERIFY FIELD CONDITIONS AND SHALL MAKE ANY REQUIRED MINOR ADJUSTMENTS TO MAINTAIN EXISTING CONDITIONS. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
7. ALL DEVICES, EQUIPMENT MATERIAL AND LABOR SHALL BE PROVIDED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
8. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE MOUNTED AS PER EQUIPMENT AND WIRING MANUFACTURER'S RECOMMENDATIONS.
9. CONTRACTOR SHALL PROVIDE SUBMITTALS TO ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL OF ALL ELECTRICAL EQUIPMENT AND DEVICES DESCRIBED IN THE SUBMITTAL REGISTER. SUBMITTALS SHALL INCLUDE CUT SHEETS, DIMENSIONS, CONNECTION DIAGRAMS, ACCESSORIES, AND ANY MANUFACTURER'S ALL NECESSARY INFORMATION FOR REVIEWER TO MAKE A SOUND EVALUATION.
10. PROVIDE STARTUP OF ALL ELECTRICAL SYSTEMS AND COORDINATE WITH ARCHITECT/ENGINEER FOR TESTING.
11. PROVIDED LAMINATED PLASTIC NAMEPLATES FOR EACH ELECTRICAL ENCLOSURE. EACH NAMEPLATE IDENTIFY EQUIPMENT FUNCTION, PANELBOARD CONNECTED AND CIRCUIT NUMBER. NAMEPLATE SHALL BE LAMINATE PLASTIC (0.125 INCHES THICK), WITH WHITE LETTERS ON A BLACK BACKGROUND. NAMEPLATE SHALL BE 1 1/2 INCHES IN HEIGHT, 4 INCHES IN WIDTH, AND A MINIMUM SIZE OF LETTERS SHALL BE 2 INCHES. IN ADDITION TO EQUIPMENT TAGGING, CONTRACTOR SHALL PROVIDE ARCHITECT/ENGINEER WITH A LOG OF ALL ELECTRICAL EQUIPMENT.
12. PROVIDE COMPUTER PRINTED ON WHITE VARIOGARD PAPER WITH CLEAR PLASTIC PROTECTION TAPE FOR ALL WIRE MARKERS. MARKER SHALL STATE PANELBOARD NAME AND CIRCUIT NUMBER ON ALL WIRES IN JUNCTION/PO BOXES AND IN EQUIPMENT TERMINALS.
13. PROVIDE PUNCH TAPE LABELS ON ALL WIRING DEVICES FOR IDENTIFICATION. SHALL BE 1/2" BLACK TAPE WITH WHITE RAISED LETTERS. TAPE LABELS SHALL STATE PANELBOARD NAME AND CIRCUIT NUMBER.
14. PROVIDE DIRECTIONS ON ALL PANELBOARDS, BALANCE ALL LOADS ON PANELBOARD WITH 10%.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE SET OF RECORD DRAWINGS TO THE VA AT THE END OF THE CONSTRUCTION.
16. ALL MATERIALS AND EQUIPMENT TO BE INSTALLED SHALL BE NEW AND FREE OF DEFECTS. ALL ELECTRICAL EQUIPMENT SHALL COMPLY WITH NATIONAL ELECTRICAL CODES AND REQUIREMENTS AND ASSOCIATED VA STANDARDS. ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN A WORKMANLIKE MANNER.
17. ALL CONNECTORS AND SPICES FOR CABLE SIZE #10 AWG AND SMALLER SHALL BE INSULATED, PRESSURE-TYPE. FOR LARGER SIZE CONDUCTORS USE BOLTED CLAMPS WITH INSULATING TAPES.
18. COORDINATE WITH OTHER TRADES TO PREVENT INTERFERENCE WITH HVAC DUCTS, STRUCTURE, FIRE PROTECTION, AND OTHER CURRIES. MARK UP WITH MARK-UP ALL CONDITIONS/WRITING ROUTING WITH ALL OTHER TRADES.
19. WHERE JOY CONDITIONS REQUIRE CHANGE FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OR NATURE OF WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES AT HIS OWNERS COST TO THE VA. NO OTHER CHANGES MAY BE MADE WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
20. CLOSE OUT DOCUMENTS: THE CONTRACTOR IS TO OBTAIN ONE SET OF THE CONSTRUCTION DRAWINGS OF THE PROJECT WITH A REQUIRED FIRE RESISTANCE RATING SHALL BE SEALED TO THE PENETRATING MEMBER IN AN APPROVED MANNER WHICH MAINTAINS THE REQUIRED FIRE RESISTANCE RATING OF THE ASSEMBLY.

DRAWING INDEX - ELECTRICAL

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<p>ARCHITECT/ENGINEER OF RECORD</p> <p><u>A/E:</u> TRIPLE C - The A/E Group 201 E. Jefferson Street, Suite 200 Syracuse, NY 13202 (315) 484-6958 Mat Perkins</p>	<p>STAMP</p> 
<p>TRIPLE C - THE A&E GROUP</p>  <p>A MULTI-DISCIPLINE A/E COMPANY</p>	<p><i>[Signature]</i> 05/09/2022</p>

Office of
Construction
and Facilities
Management

VA | U.S. Department
of Veterans Affairs

Drawing Title

NOTES AND LEGEND - ELECTRICAL

Approved:

Phase

ISSUED FOR CONSTRUCTION
FULLY SPRINKLERED

Project Name NEW COMMUNITY LIVING CENTER		Project Number 620-334	
Location 2034 Albany Post Road, Montrose, NY 10548		Building Number CLC	
Issue Date 05/09/2022		Checked DK	Drawn SC
		E-001	