LOCAL PAGING SYSTEM NOTES:

PROVIDE ALL EQUIPMENT, SPEAKERS, COMPONENTS, ALL WIRING, CONFIGURATION AND PROGRAMMING TO EXPAND THE EXISTING PAGING SYSTEM TO ACCOMMODATE NEW AND RELOCATED SPEAKERS. UTILIZE AND RELOCATE EXISTING SPEAKERS WHERE POSSIBLE. NEW SPEAKERS SHALL BE SELECTED TO MATCH THE EXISTING IN CONSTRUCTION AND PERFORMANCE AND IN CONSISTENCY WITH THE EXISTING SPEAKERS AND AREA. PREPARE DRAWINGS INDICATING ALL SPEAKERS TO BE ADDED OR RELOCATED, INDICATING TYPE, MOUNTING HARDWARE, CIRCUITING ZONE AND SUB-ZONE. ADD ADDITIONAL MATRIX SWITCHERS, AMPLIFIERS, CIRCUIT MONITORS AND OTHER EQUIPMENT AS REQUIRED TO ACCOMMODATE THE ADDITIONAL SPEAKERS AND ZONES IN A MANNER CONSISTENT WITH THE CURRENT DESIGN OF THE PAGING SYSTEM. MODIFY THE EXISTING CONSOLES AS REQUIRED TO ACCOMMODATE THE NEW SPEAKER ZONES. PROVIDE ALL PROGRAMMING, BALANCING AND COMMISSIONING AS REQUIRED UP TO AND INCLUDING A COMPLETE RE-PROGRAM AND BALANCING OF THE EXISTING PAGING SYSTEM SO THAT THE ADDITION OF THE NEW SPEAKERS AND EQUIPMENT ARE INCORPORATED SEAMLESSLY INTO THE EXISTING HOSPITAL PAGING SYSTEM. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR EXAMINING SITE CONDITIONS TO DETERMINE THE EXTENT OF THE EXPANSION REQUIRED TO MEET THE ABOVE PERFORMANCE REQUIREMENTS.

REFER TO 100% DEDUCT ALTERNATES (DEDUCT #4C, #4D AND #4E) ON SHEET E0101 FOR NURSE CALL, OVERHEAD PAGING AND DATA CLOSET DEDUCTS. REFER ALSO TO ARCHITECTURAL PLAN G1104 FOR ADDITIONAL INFORMATION AND LOCATIONS FOR DEDUCT ALTERNATES.

REFER TO 100% DEDUCT ALTERNATES (DEDUCT #5D AND #5E) ON SHEET E0101 FOR CONSTRUCTION SCOPE DEDUCTS. REFER ALSO TO ARCHITECTURAL PLAN G1104 FOR ADDITIONAL INFORMATION AND LOCATIONS FOR DEDUCT ALTERNATES.

SECURITY ACCESS CONTROL + PANIC BUTTON ALARM SYSTEM NOTES:

COORDINATE INSTALLATION OF SYSTEM WITH OF EXISTING PHYSICAL ACCESS CONTROL SYSTEM. EXISTING SYSTEM IS SOFTWARE HOUSE CCURE 9000. PANIC BUTTON TO BE HONEYWELL 269R OR APPROVED EQUIVALENT WITH TAMPER PROOF SCREWS.

PROVIDE ALL EQUIPMENT, INPUT BOARDS, DEVICES, COMPONENTS, ALL WIRING, CONFIGURATION AND PROGRAMMING TO EXPAND THE EXISTING SYSTEMS TO ACCOMMODATE NEW AND RELOCATED DEVICES. UTILIZE AND RELOCATE EXISTING DEVICES WHERE POSSIBLE. NEW DEVICES SHALL BE SELECTED TO MATCH THE EXISTING IN CONSTRUCTION AND PERFORMANCE AND IN CONSISTENCY WITH THE EXISTING SYSTEM AND AREAS. PREPARE DRAWINGS INDICATING ALL DEVICES AND COMPONENTS TO BE ADDED OR RELOCATED, INDICATING TYPE, MOUNTING HARDWARE, ZONES, ETC. ADD ADDITIONAL EQUIPMENT AS REQUIRED TO ACCOMMODATE THE NEW AND RELOCATED COMPONENTS AND DEVICES IN A MANNER CONSISTENT WITH THE CURRENT DESIGN OF THE SYSTEM. CURRENTLY THE CONNECTION POINT IS WITHIN DATA CLOSET "AS168". MODIFY THE EXISTING CONSOLES AS REQUIRED TO ACCOMMODATE THE NEW DEVICES. PROVIDE ALL PROGRAMMING, BALANCING AND COMMISSIONING AS REQUIRED UP TO AND INCLUDING A COMPLETE RE-PROGRAM AND BALANCING OF THE EXISTING SYSTEM SO THAT THE ADDITION OF THE NEW DEVICES AND EQUIPMENT ARE INCORPORATED SEAMLESSLY INTO THE EXISTING HOSPITAL SYSTEMS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR EXAMINING SITE CONDITIONS TO DETERMINE THE EXTENT OF THE EXPANSION REQUIRED TO MEET THE ABOVE PERFORMANCE REQUIREMENTS.

GENERAL NEW WORK NOTES (SYSTEMS) :

A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES ETC. ,REFER ALSO TO THE ARCHITECT'S CASEWORK DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF LIGHT FIXTURES, RECEPTACLES, DATA OUTLETS , ETC.

B. ALL NEW WIRING SHALL BE #12 WITH A #12 INSULATED GROUND WIRE (U.O.N.). CONDUIT SHALL BE 1/2" FOR BRANCH WIRING AND 3/4" MINIMUM FOR CONDUIT HOME RUNS.

C. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. §310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. §300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.

D. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.

E. REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS ON EACH SYSTEM.

F. THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.

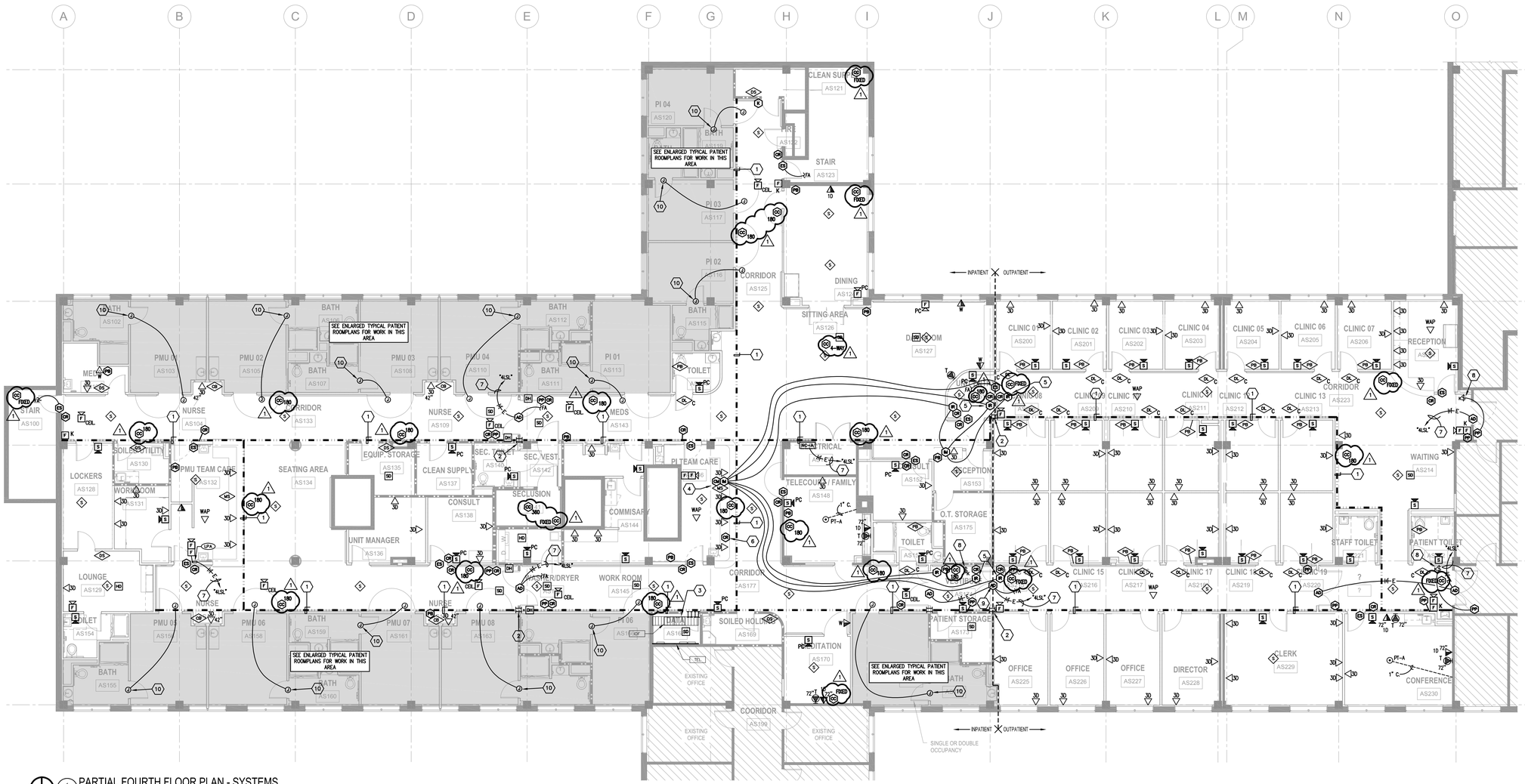
K. CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.

J. ALL DEVICES, FIXTURES, PLATES, ETC. SHALL BE INSTALLED COMPLETELY FLUSH WITH FINISHED WALLS AND CEILING. CAREFULLY COORDINATE WITH DRYWALL CONTRACTOR TO ENSURE A FLUSH INSTALLATION. DRYWALL CONTRACTOR SHALL TAPE, MUD, AND SAND AS NEEDED. DEVICE BACKBOXES, PLATES, TRIMS, ETC. SHALL BE ADJUSTED AS REQUIRED. NO GAP BETWEEN DEVICE/FIXTURE/PLATE/TRIM AND WALL/CEILING WILL BE ACCEPTABLE. IF DEEMED THE ONLY SOLUTION BY THE ARCHITECT OR ENGINEER, THIS CONTRACTOR SHALL PROVIDE AN APPROVED SEALANT TO SEAL ANY SUCH GAPS THAT EXIST. A FINAL WALK-THROUGH SHALL BE SCHEDULED WITH THE OWNER TO APPROVE THE FINISHED CONDITION.

L. REFER TO ARCHITECTURAL PLANS FOR PHASING REQUIREMENTS. WORK SHALL BE COMPLETED IN PHASES PER THE PHASING PLAN AND AS COORDINATED WITH OWNER AND GENERAL CONTRACTOR. PROVIDE ALL REQUIRED INCREMENTAL INSPECTIONS, CERTIFICATIONS, ETC. AS REQUIRED.

PSYCHIATRIC SUITE DEVICE NOTE:

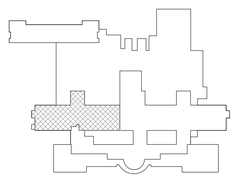
THE "INPATIENT" AREA SHALL MEET THE FOLLOWING REQUIREMENTS: ALL POWER RECEPTACLES SHALL BE TAMPER-RESISTANT "SAFETY" TYPE. ALL LIGHT SWITCHES, RECEPTACLES, SYSTEM DEVICES, AND OTHER ELECTRICALLY POWERED DEVICES IN THESE AREAS SHALL BE PROVIDED WITH STAINLESS STEEL SECURITY TYPE DEVICE COVERPLATES AND TORX-HEAD HARDWARE. ALL FIRE ALARM HORNS/STROBES SHALL HAVE PROTECTIVE POLYCARBONATE COVERS, HALF-DOME, MOUNTED FLUSH TO WALL, EQUAL TO STI DAMAGE STOPPER #STI-1225 FOR STROBES AND #STI-1215 FOR HORNS AND HORN/STROBES. ALL SMOKE DETECTORS SHALL HAVE PROTECTIVE POLYCARBONATE COVERS THAT ARE U.L. LISTED FOR USE WITH THE EXACT DETECTOR USED. ALL LIGHT FIXTURES SHALL HAVE TORX-HEAD HARDWARE AND SHALL BE VANDAL-RESISTANT. ALL DEVICES SHALL BE INSTALLED COMPLETELY FLUSH WITH FINISHED WALLS. KEYING FOR ALL KEYED DEVICES SHALL BE COORDINATED WITH OWNER AND ACCESS CONTROLS VENDOR TO PROVIDE A COMMON KEY FOR ALL SYSTEMS.



PARTIAL FOURTH FLOOR PLAN - SYSTEMS
SCALE: 1/8" = 1'-0"

TAGGED NOTES :

1. PROPOSED CABLING PATH – COORDINATE ALL PATHS WITH NEW AND EXISTING PIPING, DUCTWORK, ETC. (NOTE : STUB-UP CONDUITS SHALL BE ROUTED TO THESE CABLING PATHS). PROVIDE CABLE TRAY ALONG ALL REQUIRED CABLING PATHS. WHERE CABLING PATH IS INTERRUPTED BY DUCTWORK, PIPING, ETC, PROVIDE CABLE TRAY PATH BELOW AS REQUIRED TO MAINTAIN A CONTINUOUS CABLING PATH – REFER TO INSTALLATION DETAILS FOR FURTHER REQUIREMENTS (TYPICAL).
2. PROVIDE TWO – 4" CONDUIT SLEEVES THROUGH WALLS INDICATED. INSTALL SLEEVES ABOVE THE SUSPENDED CEILING IN-LINE WITH J-HOOKS. REFER TO SLEEVE DETAIL FOR FURTHER REQUIREMENTS (TYPICAL).
3. ROTATE EXISTING DATA RACK 180 DEGREES. REWORK ALL EXISTING TO REMAIN CABLING TO NEW LOCATION AS REQUIRED.
4. VIDEO/INTERCOM SYSTEM MASTER STATION WITH INTEGRAL DOOR RELEASE. UNIT TO BE AIPHONE CAT. NO. JP-4MED OR APPROVED EQUIVALENT. INCLUDE ALL WIRING, RELAYS, INTERFACE DEVICES, ETC. AS REQUIRED TO CONNECT TO THE DOOR ACCESS CONTROL HARDWARE AT EACH DOOR FOR A COMPLETE AND FUNCTIONAL SYSTEM.
5. VIDEO/INTERCOM SYSTEM REMOTE STATION. UNIT TO BE AIPHONE CAT. NO. JP-DVF OR APPROVED EQUIVALENT.
6. PROVIDE DEDICATED CARD READER FOR OPERATION OF THE FOUR INTERIOR EGRESS DOORS. THESE FOUR DOORS ARE TO RELEASE UPON PRESENTATION OF VALID CREDENTIAL.
7. ROUTE NUMBER OF #10 CONDUCTORS AND #10 GROUND AS INDICATED IN 3/4" CONDUIT TO NEW / SPARE 20A/1P BREAKER(S) IN EXISTING POWER PANEL INDICATED. WHERE EXISTING PANEL IS FLUSH-MOUNTED IN AN EXISTING WALL, CONTRACTOR SHALL CUT, PATCH AND REPAIR WALL AS REQUIRED FOR CONCEALED CONDUIT ENTRY.
8. PROVIDE KEYED SWITCH TO TURN OFF DOOR ACTUATOR OPERATION.
9. DOORS TO BE INTERLOCKED SO THAT ONLY ONE DOOR CAN BE UNLOCKED/OPENED AT A TIME.
10. PROVIDE J-BOX WITH CONDUIT ROUTED INTO ACCESSIBLE CEILING FOR EMERGENCY DOOR ALARM SYSTEM CABLING CONNECTION TO NOTIFICATION UNIT. COORDINATE JUNCTION BOX DETAIL WITH EQUIPMENT INSTALLER.



KEY PLAN - 4TH FLOOR

Revisions:	Date
1 CCTV CLARIFICATIONS	06/29/2016

VAMC NASHVILLE
1310 24th Avenue South, Nashville, TN 37212

U.S. Department of Veterans Affairs

ARCHITECT/ENGINEERS:

PROJECT LEAD
Architect, Structural Engineer, Civil Engineer
GUIDON DESIGN
GUIDON DESIGN INC.
905 N. CAPITOL AVE. SUITE 100 | INDIANAPOLIS, IN. 46204
317.800.6388 | WWW.GUIDONDESIGN.COM
SUSTAINABLE ARCHITECTURE + ENGINEERING

MEP Engineer
CMTA CONSULTING ENGINEERS
903 Spring Street
Jeffersonville, IN 47130
Tele: 812-725-8383

BID SET

Drawing Title: Partial Fourth Floor Plan - Systems	Project Title: RENOVATE 4 NORTH	Project Number: 15.1047	OFFICE OF FACILITIES MANAGEMENT
		Building Number: #1	
Approved for Design Concept: FACILITY MANAGEMENT DIVISION MANAGER	Location: NASHVILLE VAMC	Drawing Number: ET501	VA Project Number: 626-15-103
	Date: 2016 / 03 / 11 — Checked By: MB/SM/KR — Drawn By: SM/KR		VA | U.S. Department of Veterans Affairs

VA:\Projects\VNN15\6. Elec\1. Dwgs & Models\VNN15_ES501.dwg-Work Jun 29, 2016-8:27pm - smoore
three inch = one foot | three quarters inch = one foot | one and one half inches = one foot | one inch = one foot | one half inch = one foot | three eighths inch = one foot | one quarter inch = one foot | one eighth inch = one foot