STRUCTURED CABLING (VOICE / DATA) SYSTEM

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT
*	VOICE/DATA OUTLET – SEE NOTES	ADJACENT 120 VAC	AD1	18" AFF
*	VOICE/DATA OUTLET – SEE NOTES (ABOVE COUNTERTOP)	ADJACENT 120 VAC	AD1	SEE DETAIL
*	VOICE/DATA OUTLET – SEE NOTES (ABOVE CEILING)	ADJACENT 120 VAC	AD1	6" ABOVE FINISHED CLG.
*	VOICE/DATA OUTLET; FLUSH MOUNT IN FLOOR – SEE NOTES	ADJACENT 120 VAC	AD1	FLOOR
* C	VOICE/DATA OUTLET – SEE NOTES	N/A	AD1	98" AFF OR 6" BELOW FINISHED CLG.
* FIBER	FIBER OUTLET – SEE NOTES	ADJACENT 120 VAC	AD1	18" AFF OR 8" AFC
P	VOICE/DATA PULL BOX	N/A	AD2	COORDINATE W/ ARCHITECT
* CMON	CENTRAL PATIENT MONITOR OUTLET MONITOR AND POWER REQUIREMENTS BY OTHERS – SEE NOTES	SEE NOTE 4	SEE NOTE 4	SEE NOTE 4
* PMON	PATIENT MONITOR OUTLET MONITOR AND POWER REQUIREMENTS BY OTHERS – SEE NOTES	SEE NOTE 4	SEE NOTE 4	66" AFF OR SEE NOTE 4
* SMON	SLAVE PATIENT MONITOR OUTLET MONITOR AND POWER REQUIREMENTS BY OTHERS – SEE NOTES	SEE NOTE 4	SEE NOTE 4	66" AFF OR SEE NOTE 4
* TV	TV DATA OUTLET – SEE NOTES	N/A	SEE DETAIL	SEE DETAIL
* W	WALL VOICE/DATA OUTLET – SEE NOTES	N/A	AD1	SEE DETAIL

NOTES:

1. THE ABOVE SYMBOLS DENOTE CONDUIT AND BACKBOX LOCATION.
2. THE * INDICATES THE NUMBER OF VOICE/DATA CABLES IN THE CONDUIT/BACKBOX AND THE NUMBER OF VOICE/DATA JACKS ON THE FACE PLATE.
3. COORDINATE FINAL HEIGHT OF ALL OUTLETS W/ ARCHITECT.
4. COORDINATE WITH PATIENT MONITORING SHOP DRAWING PRIOR TO INSTALLATION. COORDINATE BLOCKING REQUIREMENTS AND MOUNTING HEIGHT WITH ARCHITECTURAL AND VENDOR DRAWINGS. PATIENT MONITORING CABLES TO BE TERMINATED ON BIO MED RACK PRIOR TO INSTALLATION.
5. ELEV INDICATES OUTLET FOR ELEVATOR. COORDINATE LOCATION TERMINATIONS AND OTHER ADDITIONAL REQUIREMENTS WITH ELEVATOR MANUFACTURER.

TELEPHONE AND COMPUTER EQUIPMENT

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT
BP	BARCODE PRINTER	ADJACENT 120 VAC	N/A	N/A
BR	BARCODE READER	ADJACENT 120 VAC	N/A	N/A
CE	CARD EMBOSSER	ADJACENT 120 VAC	N/A	N/A
	GPS SATELLITE WIRELESS CLOCK "D" DENOTES DIGITAL	120 VAC (EMERGENCY) DIGITAL ONLY	N/A	COORDINATE W/ ARCHITECT
CRD	WIRELESS (CORDLESS) TELEPHONE	ADJ. 120 VAC (EMERGENCY)	N/A	N/A
	COPIER/PRINTER/FAX/SCANNER COMBO	ADJACENT 120 VAC	N/A	N/A
ELEV	ELEVATOR TELEPHONE	N/A	N/A	COORD. WITH ELEV. VENDOR
FAX	FAX MACHINE	ADJACENT 120 VAC	N/A	N/A
FC	FAX/COPIER COMBO	ADJACENT 120 VAC	N/A	N/A
IC	INTELLIGENT CONSOLE	ADJ. 120 VAC (EMERGENCY)	N/A	N/A
42" LCD MON	42" LCD MON	ADJACENT 120 VAC	AD1	SEE NOTES
KIOSK	KIOSK	ADJACENT 120 VAC	SEE NOTE 2	SEE NOTE 2
LP	LOCAL PRINTER	ADJACENT 120 VAC	N/A	N/A
LRB	LOUD RINGING BELL	N/A	N/A	N/A
MLD	MULTI LINE DESK TELEPHONE	N/A	N/A	N/A
MLW	MULTI LINE WALL TELEPHONE	N/A	N/A	N/A
MOD	MODEM	120 VAC	N/A	18" AFF OR 6" AFC
NP	NETWORK PRINTER	ADJACENT 120 VAC	N/A	N/A
PACS	PACS WORKSTATION	ADJ. 120 VAC (EMERGENCY)	N/A	N/A
PBX	PBX CONSOLE	N/A	N/A	N/A
PCB	PC BLADE	ADJACENT 120 VAC	N/A	N/A
PCF	NETWORK PC W/ FLATSCREEN	ADJACENT 120 VAC	N/A	N/A
PCT	PC THIN CLIENT	ADJACENT 120 VAC	N/A	N/A
PCW	NETWORK PC WALL MOUNTED	ADJACENT 120 VAC	N/A	SEE ARCH. DRAWINGS
PFT	POWER FAILURE TRANSFER PHONE	N/A	N/A	N/A
POS	POINT OF SALE TERMINAL	120 VAC	N/A	N/A
POCT	POINT OF CARE TESTING DOCKING STATION	120 VAC	N/A	N/A
PT	PAY TELEPHONE – STANDARD HEIGHT	120 VAC	AS1	45" AFF ON CENTER
PTH	PAY TELEPHONE – HANDICAP HEIGHT	120 VAC	AS1	39" AFF ON CENTER
SCAN	DOCUMENT/IMAGE SCANNER	ADJACENT 120 VAC	N/A	N/A
SLD	SINGLE LINE DESK TELEPHONE	N/A	N/A	N/A
SLW	SINGLE LINE WALL TELEPHONE	N/A	N/A	N/A
TACC	TELEMETRY ACCESS POINT/ANTENNAE	N/A	N/A	N/A
TC	TIME CLOCK	ADJ. 120 VAC (EMERGENCY)	N/A	N/A
TDD	TELEPHONE FOR HEARING IMPAIRED AND PRINTER	ADJACENT 120 VAC	N/A	N/A
WACC	WIRELESS ACCESS POINT/LAN HUB	N/A	N/A	N/A
WHUB	WIRELESS TELEPHONE HUB	N/A	N/A	N/A
WPC	WIRELESS PC ON CART	ADJACENT 120 VAC	N/A	N/A
ZP	ZEBRA LABEL PRINTER	ADJACENT 120 VAC	N/A	N/A

NOTE:

1. COORDINATE MOUNTING HEIGHT WITH ARCHITECT & MANUFACTURER. COORDINATE MOUNTING REQUIREMENTS WITH MANUFACTURER.
2. COORDINATE EXACT LOCATION AND REQUIREMENTS OF BACK BOX WITH ARCHITECT.
3. LCD MONITOR BACK BOX/CONDUIT PATHWAY TO BE COORDINATED WITH OWNER PRIOR TO INSTALLATION.

DICTATION SYSTEM

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT
DICT	DICTATION STATION W/ HANDSET	ADJACENT 120 VAC	N/A	N/A
DICTF	DICTATION STATION W/ HANDS FREE MIC. AND FOOT SWITCH	ADJACENT 120 VAC	N/A	N/A
DREC	DICTATION RECORDER	ADJACENT 120 VAC EMERGENCY	N/A	DESKTOP
TRAN	TRANSCRIPTION STATION W/ FOOT SWITCH	ADJACENT 120 VAC	N/A	N/A

NURSE CALL / EMERGENCY CALL / CODE BLUE

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT
A	CORRIDOR DOME LIGHT WITH AUDIBLE TONE	N/A	AD2	CEILING OR ABOVE DOOR
AUX	DUAL AUXILLARY EQUIPMENT JACK	N/A	AS1	48" OR COOR. W/ ARCH.
CB	CODE BLUE STATION	N/A	AD1	48" OR COOR. W/ ARCH.
CC	CALL CANCEL STATION	N/A	AD1	48" AFF
CBA	CODE BLUE ANNUNCIATOR	120 VAC EMERGENCY	PER VENDOR SPECS	CONSOLE OR 60" AFF
CP	CODE PINK STATION	N/A	AD1	48" OR COOR. W/ ARCH.
D	CORRIDOR DOME LIGHT	N/A	AD2	CEILING OR ABOVE DOOR
D	AUDIO VISUAL DUTY STATION	N/A	AD3	48" AFF
DC	AUDIO VISUAL DUAL PATIENT STATION WITH PUSHBUTTON CORDS	N/A	AD3	48" OR COOR. W/ ARCH.
DH	AUDIO VISUAL DUAL PATIENT STATION WITH BEDRAIL COMMUNICATIONS	N/A	AD3	48" OR COOR. W/ ARCH.
DP	AUDIO VISUAL DUAL PATIENT STATION WITH PILLOW SPEAKERS	N/A	AD3	48" OR COOR. W/ ARCH.
DV	VISUAL DUTY STATION	N/A	AD1	48" AFF
E	STAFF EMERGENCY PUSHBUTTON STATION	N/A	AD1	48" AFF
EP	EMERGENCY PULLCORD STATION	N/A	AD1	48" AFF SEE NOTE 2
NCD	AUDIO VISUAL NURSE CONSOLE – DIGITAL	N/A	AD2	8" AFC
NCT	NURSE CALL TERMINAL EQUIPMENT	120 VAC EMERGENCY	BY VENDOR	WALL SEE COMM ROOM DETAILS
NM	AUDIO VISUAL NURSE CONSOLE – DIRECT SELECTION	N/A	AD2	8" AFC
NMPC	NURSE MASTER PC	ADJACENT 120 VAC EMERGENCY	N/A	N/A
NMV	VISUAL NURSE MASTER – ANNUNCIATOR	N/A	PER VENDOR SPECS	60" AFF OR 8" AFC
PE	PSYCH. EMERGENCY PUSHBUTTON STATION	N/A	AD1	48" AFF
PK	PSYCH. KEYSTATION	N/A	AD1	48" AFF
RK	PATIENT BED COMMUNICATION RECEPTACLE KIT	N/A	AD1	CONSOLE OR 18" AFF
RS	ROOM STATUS	N/A	AD1	CONSOLE OR 54" AFF
SS	AUDIO VISUAL STAFF STATION	N/A	AD3	CONSOLE OR 48" AFF
SC	AUDIO VISUAL SINGLE PATIENT STATION WITH PUSHBUTTON CORD	N/A	AD3	CONSOLE OR 48" AFF
SD	STAFF DUTY STATION	N/A	AD3	CONSOLE OR 48" AFF
SH	AUDIO VISUAL SINGLE PATIENT STATION WITH BEDRAIL COMMUNICATIONS	N/A	AD3	COORDINATE W/ ARCHITECT
SP	AUDIO VISUAL SINGLE PATIENT STATION WITH PILLOW SPEAKER	N/A	AD3	COORDINATE W/ ARCHITECT
SR	STAFF LOCATOR RECEIVER	N/A	AD1	CEILING
VC	VISUAL PATIENT STATION WITH CALL CORD	N/A	AD1	CONSOLE OR 48" AFF
VNCT	VISUAL NURSE CALL TERMINAL EQUIPMENT	120 VAC EMERGENCY	BY VENDOR	WALL SEE COMM ROOM DETAILS
VP	VISUAL PATIENT STATION WITH PILLOW SPEAKER	N/A	AD1	CONSOLE OR 48" AFF
Z	ZONE DOME LIGHT	N/A	AD2	CEILING

NOTES:
1. HILL-ROM AND WEST-COM REQUIRE LARGER BACKBOXES.
2. TRIM CORD LENGTH TO EXTEND WITHIN 2"AFF.

PUBLIC ADDRESS (OVERHEAD PAGING) SYSTEMS

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT
DA	DOOR BELL ANNUNCIATOR	PER VENDOR SPECS	PER VENDOR SPECS	PER VENDOR SPECS
DB	DOOR BELL BUZZER	N/A	N/A	48" AFF
H	WEATHER-PROOF HORN TYPE SPEAKER	N/A	AS1	84"-96" AFF
J1	LOCAL SPEAKER INPUT JACK, SINGLE	120 VAC	AD1	18" AFF OR 8" AFC
J2	LOCAL SPEAKER INPUT JACK, STEREO	120 VAC	AD1	18" AFF OR 8" AFC
M	MICROPHONE AND INPUT JACK	N/A	AD1	18" AFF OR 8" AFC
POD	MOVEABLE PUBLIC ADDRESS PODIUM W/ AMPLIFIER AND MICROPHONE	ADJACENT 120 VAC	N/A	N/A
S	CEILING SPEAKER WITH BACKBOX AND GRID SUPPORT. "L" OR "R" DENOTES CHANNEL FOR STEREO	N/A	SPECIAL	CEILING
SSA	LOCAL STEREO SYSTEM AMPLIFIER WITH AM / FM / CD / CASSETTE	ADJACENT 120 VAC	AD2	N/A
SW	FLUSH WALLMOUNT SPEAKER WITH BACKBOX AND GRID SUPPORT. "L" OR "R" DENOTES CHANNEL FOR STEREO	N/A	SPECIAL	COORDINATE W/ ARCHITECT
V	LOCAL VOLUME CONTROL	N/A	AD1	48" AFF
VP	LOCAL VOLUME CONTROL W/ PRECEDENCE OVERRIDE	N/A	AD2	48" AFF

INTERCOM SYSTEM

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT
ID	DUPLEX INTERCOM DESK MASTER STATION W/ OUTLET	N/A	AS1	SEE NOTE
IF	DUPLEX INTERCOM MASTER STATION – FLUSH WALL MOUNT W/ CONNECTOR	N/A	SPECIAL	48" AFF
IM	SIMPLEX INTERCOM MASTER STATION	N/A	AS1	SEE NOTE
IS	SIMPLEX INTERCOM SLAVE STATION	N/A	SPECIAL	48" AFF OR ABOVE CEILING
IW	DUPLEX INTERCOM MASTER STATION – SURFACE WALL MOUNT W/ OUTLET	N/A	AS1	48" AFF
IX	SIMPLEX INTERCOM EXCHANGE	120 VAC EMERGENCY	NA	WALL OR FLOOR

NOTE:
1. OUTLET AT 18" AFF OR 8" AFC.

TELEVISION / MATV / CATV / SATV SYSTEM

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT
DVD	SINGLE DVD UNIT	N/A	N/A	N/A
ST	TV CEILING SPEAKER WITH BACKBOX AND GRID SUPPORT	N/A	SPECIAL	CEILING MOUNT
TO	TV ANTENNA OUTLET	ADJACENT 120 VAC	AD1	18" AFF
T10A	10" SUSPENSION ARM LCD TV W/ WALL MOUNT, POWER SUPPLY, AND ANTENNA OUTLET	ADJACENT 120 VAC	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG
T15A	15" SUSPENSION ARM LCD TV W/ WALL MOUNT, POWER SUPPLY, AND ANTENNA OUTLET	ADJACENT 120 VAC	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG
T15F	15" WALL MOUNTED LCD TV W/ ANTENNA / REMOTE CONTROL OUTLET "A" DENOTES ARMOIRE MOUNT "C" DENOTES CEILING MOUNT "S" DENOTES SHELF MOUNT	ADJACENT 120 VAC	AD2L SEE NOTE 2	PER VENDOR SHOP DWG
T26F	26" WALL MOUNTED LCD TV W/ ANTENNA / REMOTE CONTROL OUTLET "A" DENOTES ARMOIRE MOUNT "C" DENOTES CEILING MOUNT "S" DENOTES SHELF MOUNT	ADJACENT 120 VAC	AD3L SEE NOTE 2	PER VENDOR SHOP DWG
TV	20" WALL MOUNTED TV W/ ANTENNA / REMOTE CONTROL OUTLET "A" DENOTES ARMOIRE MOUNT "C" DENOTES CEILING MOUNT "S" DENOTES SHELF MOUNT	ADJACENT 120 VAC	AD2L SEE NOTE 2	PER VENDOR SHOP DWG
TVF	20" FLAT PANEL U.O.N. WALL MOUNTED TV W/ ANTENNA / REMOTE CONTROL OUTLET "A" DENOTES ARMOIRE MOUNT "C" DENOTES CEILING MOUNT "S" DENOTES SHELF MOUNT	ADJACENT 120 VAC	AD3L	PER VENDOR SHOP DWG
TVFD	20" WALL MOUNTED LCD TV W/ DVD, ANTENNA / REMOTE CONTROL OUTLET "C" DENOTES CEILING MOUNT	ADJACENT 120 VAC	AD3L SEE NOTE 2	PER VENDOR SHOP DWG
TVD	20" WALL MOUNTED TV W/ SEPARATE DVD, ANTENNA / REMOTE CONTROL OUTLET "A" DENOTES ARMOIRE MOUNT "C" DENOTES CEILING MOUNT "S" DENOTES SHELF MOUNT	ADJACENT 120 VAC	AD2L SEE NOTE 2	PER VENDOR SHOP DWG
TV	TV ON A/V CART	ADJACENT 120 VAC	N/A	N/A
TVV	TV / VCR / DVD ON A/V CART	ADJACENT 120 VAC	N/A	N/A
TVD	TV / DVD ON A/V CART	ADJACENT 120 VAC	N/A	N/A
42" LCD	42" LCD TV	ADJACENT 120 VAC	A2DL	SEE NOTE
42" PLASMA	42" PLASMA TV	ADJACENT 120 VAC	A2DL	SEE NOTE
VCD	VCR/DVD COMBO UNIT	N/A	N/A	N/A
	ANTENNA ARRAY WITH MAST(S)	N/A	WHD	ROOF MOUNT
	SATELLITE DISH W/ PAD OR ROOF MOUNT	N/A	WHD	SEE DETAIL

NOTE:
1. COORDINATE MOUNTING HEIGHT WITH ARCHITECT & MANUFACTURER. COORDINATE MOUNTING REQUIREMENTS WITH MANUFACTURER.
2. REFER TO TV OUTLET DETAILS FOR ADDITIONAL BACK-BOX INFORMATION.

CLOSED CIRCUIT VIDEO SYSTEMS

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT
CAM / CAM PTZ	CLOSED CIRCUIT COLOR CAMERA W/ WALL MOUNTING BRACKET AND OUTLET CAMERA NOTATION: "PTZ" REMOTE PAN / TILT / ZOOM	120 VAC (EMERGENCY) PTZ ONLY	BD3L OR WHD	84"-96" AFF OR AS NOTED
CAM / CAM PTZ	CEILING MOUNTED COLOR CAMERA WITH DOME HOUSING CAMERA NOTATION: "PTZ" REMOTE PAN / TILT / ZOOM	N/A	SPECIAL	CEILING
CAMB	CAMERA / INTERCOM UNIT BASE STATION	ADJ. 120 VAC (EMERGENCY)	AD2	8" AFC
CSM	CAMERA MULTIPLEX OR CONTROLLER	120 VAC (EMERGENCY)	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG
DCM	DOOR CAMERA / INTERCOM SLAVE	N/A	AD2	57" AFF
DTLV	DIGITAL TIME-LAPSE VIDEO RECORDER	120 VAC (EMERGENCY)	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG
MON	MONITOR	ADJ. 120 VAC (EMERGENCY)	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG
WED	COLOR CAMERA WITH CEILING WEDGE HOUSING AND OUTLET	N/A	SPECIAL	CEILING GRID

NOTES:
1. PROVIDE WEATHERHEAD FOR EXTERIOR CAMERAS.

ACCESS CONTROL / DOOR MONITORING / INFANT SECURITY SYSTEMS

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT
ELM	ELECTRONIC LOCKING MECHANISM	SEE ARCH. SPEC.	SEE ARCH. SPEC.	SEE ARCH. SPEC.
EMER	EMERGENCY EXTERIOR CAMPUS PHONE WITH POLE AND LIGHT	120 VAC (EMERGENCY)	SPECIAL	SEE NOTE 4
ISA	INFANT SECURITY AUDIBLE ALARM	PER VENDOR SPEC.	PER VENDOR SPEC.	84" AFF
ISB	INFANT SECURITY BARRIER – COORDINATE ALL HARDWARE WITH GENERAL CONTRACTOR.	120 VAC (EMERGENCY)	PER VENDOR SPEC.	PER VENDOR SPEC.
ISC	INFANT SECURITY CONTROL COMPUTER	ADJ. 120 VAC (EMERGENCY)	AD1	PER VENDOR SPEC.
ISR	INFANT SECURITY RECEIVER	120 VAC (EMERGENCY)	PER VENDOR SPEC.	PER VENDOR SPEC.
IKP	INFANT SECURITY ACCESS KEYPAD	PER VENDOR SPEC.	AD4	48" AFF
PB	PERSONAL DURESS / PANIC PUSH BUTTON	N/A	AD1	UNDER COUNTER
PBA	PERSONAL DURESS ANNUNCIATOR	N/A	SPECIAL	SEE NOTE 4
REX	REQUEST TO EXIT	N/A	PER VENDOR SPEC.	PER VENDOR SPEC.
SCC	SECURITY SYSTEM COMMAND CENTER & PRINTER	ADJ. 120 VAC (EMERGENCY)	N/A	N/A
SCR	SECURITY CARD READER	SEE NOTE 4	AD1	48" AFF
SDC	SECURITY DOOR CONTACT – COORDINATE ALL HARDWARE WITH GENERAL CONTRACTOR.	N/A	N/A	SEE NOTE 4
SDR	SECURITY DOOR RELEASE PUSH BUTTON	N/A	AS1	SEE NOTE 4
SID	SECURITY INTERCOM DESK MASTER STATION WITH OUTLET	N/A	PER VENDOR SPEC.	18" AFF OR 8"AFC
SIF	SECURITY INTERCOM FLUSH MOUNT	N/A	PER VENDOR SPEC.	48" AFF
SKC	SECURITY KEYPAD / CARD READER	N/A	AD1	SEE NOTE 4
SKP	SECURITY KEYPAD	N/A	AD1	SEE NOTE 4
SMD	SECURITY MOTION DETECTOR	120 VAC (EMERGENCY)	AD1	SEE NOTE 4

NOTES:

1. ALL EXIT ACCESS LOCKS MUST RELEASE UPON LOSS OF POWER OR ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM (I.e, SMOKE DETECTORS, PULL STATIONS, SPRINKLER SYSTEM).
2. THE ARCHITECT IS RESPONSIBLE FOR PLANNING AND SPECIFYING ALL ELECTRIC HARDWARE – INCLUDING MAGNETIC AND ELECTRIC LOCKS, DOORS, ELECTRIC AND TRANSFER HINGES, ELECTRIC CRASH BARS, DELAYED EGRESS LOCKS, ETC. – IN COMPLIANCE WITH THE APPROVED EGRESS PLAN. ALL SUCH ELECTRIC HARDWARE AND POWER SUPPLIES OR TRANSFORMERS REQUIRED TO POWER ELECTRIC HARDWARE SHALL BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR.
3. ANY SPECIAL LOCKING ARRANGEMENTS MUST COMPLY WITH SECTION 5-2.1.6 OF NFPA 101.
4. COORDINATE WITH SECURITY VENDOR SHOP DRAWINGS. COORDINATE WITH CASEWORK WHERE APPLICABLE.

RADIO SYSTEMS

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT
EMR	EMS VOICE RECORDER	120 VAC (EMERGENCY)	AD1	8" AFC
EMT	EMS TELEMETRY CONSOLE	120 VAC (EMERGENCY)	AD1	8" AFC
ERB	EMS BASE STATION	120 VAC (EMERGENCY)	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG
ERC	EMS REMOTE CONSOLE WITH PHONE PATCH	120 VAC (EMERGENCY)	AD1	8" AFC
HAMM	HAMM RADIO	120 VAC (EMERGENCY)	AD1	8" AFC
HRB	HEAR BASE STATION	120 VAC (EMERGENCY)	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG
HRC	HEAR REMOTE CONSOLE	120 VAC (EMERGENCY)	AD1	8" AFC
PPB	RADIO PAGING BASE STATION	120 VAC (EMERGENCY)	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG
PPT	RADIO PAGING TERMINAL	120 VAC (EMERGENCY)	AD1	8" AFC
2WB	TWO WAY RADIO BASE STATION	120 VAC (EMERGENCY)	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG
2WR	TWO WAY RADIO REMOTE CONSOLE	120 VAC (EMERGENCY)	AD1	8" AFC
	FREESTANDING RADIO TOWER WITH LIGHTING AND LIGHTNING PROTECTION	120 VAC (EMERGENCY)	WHD	AS SHOWN ON SITE PLAN
	RADIO ANTENNA	N/A	WHD	ROOFTOP – COORD. W/ ARCH.

AUDIO VISUAL SYSTEM

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT
A/V	AUDIO / VIDEO OUTLET	ADJACENT 120 VAC	AD2	18" AFF OR AS NOTED
AVTP	AUDIO / VIDEO TOUCH PANEL	ADJACENT 120 VAC	SPECIAL	PER VENDOR SPEC.
AVRK	AUDIO / VIDEO RACK	ADJACENT 120 VAC	BD3L	PER VENDOR SPEC.
S AV	AUDIO / VIDEO SPEAKER	N/A	SPECIAL	CEILING
POLY	POLYCOM PHONE	ADJACENT 120 VAC	N/A	N/A
PREM1	MODULAR AUDIO/VIDEO FLOOR OUTLET	N/A	SEE DETAIL	N/A
PREM2	MODULAR AUDIO/VIDEO FLOOR OUTLET	N/A	SEE DETAIL	N/A
PROJ	VIDEO PROJECTOR WITH BRACKET AND OUTLET	ADJACENT 120 VAC	AD1	CEILING MOUNT

BACKBOX LEGEND
(CONTRACTOR SHALL VERIFY ALL ELECTRICAL REQUIREMENTS WITH VENDORS.)

BACKBOX TYPES

REFERENCE NUMBER	DESCRIPTION	FURNISHED BY
AS1	4-11/16" SQUARE BOX, 1-1/2" DEEP, WITH 13/16" DEEP ONE DEVICE COVER; PROVIDE STEEL CITY 72151 BOX WITH STEEL CITY 72-C-14 DEVICE COVER, OR EQUAL.	ELEC. CONTR.
AS2/AS2L	4-11/16" SQUARE BOX, 1-1/2" DEEP, WITH 13/16" DEEP TWO DEVICE COVER; PROVIDE STEEL CITY 72151 BOX WITH STEEL CITY 72-C-18 DEVICE COVER, OR EQUAL.	ELEC. CONTR.
		ELEC. CONTR.
AS3/AS3L	4-11/16" HIGH BOX, 1-5/8" DEEP, WITH 13/16" DEEP THREE DEVICE COVER; PROVIDE STEEL CITY 3G BOX WITH STEEL CITY 3-GC DEVICE COVER, OR EQUAL.	ELEC. CONTR.
AS4/AS4L	4-11/16" HIGH BOX, 1-5/8" DEEP, WITH 13/16" DEEP FOUR DEVICE COVER; PROVIDE STEEL CITY 4G BOX WITH STEEL CITY 4-GC DEVICE COVER, OR EQUAL.	ELEC. CONTR.
AS5/AS5L	4-11/16" HIGH BOX, 1-5/8" DEEP, WITH 13/16" DEEP FIVE DEVICE COVER; PROVIDE STEEL CITY 5G BOX WITH STEEL CITY 5-GC DEVICE COVER, OR EQUAL.	
	*NOTE: "L" DENOTES LOW VOLTAGE PARTITION; PROVIDE STEEL CITY SGP, OR EQUAL.	ELEC. CONTR.
AD1	4-11/16" SQUARE BOX, 2-1/8" DEEP, WITH 13/16" DEEP ONE DEVICE COVER; PROVIDE STEEL CITY 72171 BOX WITH STEEL CITY 72-C-14 DEVICE COVER, OR EQUAL.	ELEC. CONTR.
AD2/AD2L	4-11/16" HIGH BOX, 2-1/2" DEEP, WITH 13/16" DEEP TWO DEVICE COVER; PROVIDE STEEL CITY H2BD BOX WITH STEEL CITY 2-GC DEVICE COVER, OR EQUAL.	ELEC. CONTR.
AD3/AD3L	4-11/16" HIGH BOX, 2-1/2" DEEP, WITH 13/16" DEEP THREE DEVICE COVER; PROVIDE STEEL CITY H3BD BOX WITH STEEL CITY 3-GC DEVICE COVER, OR EQUAL.	ELEC. CONTR.
AD4/AD4L	4-11/16" HIGH BOX, 2-1/2" DEEP, WITH 13/16" DEEP FOUR DEVICE COVER; PROVIDE STEEL CITY H4BD BOX WITH STEEL CITY 4-GC DEVICE COVER, OR EQUAL.	ELEC. CONTR.
AD5/AD5L	4-11/16" HIGH BOX, 2-1/2" DEEP, WITH 13/16" DEEP FIVE DEVICE COVER; PROVIDE STEEL CITY H5BD BOX WITH STEEL CITY 5-GC DEVICE COVER, OR EQUAL.	ELEC. CONTR.
	*NOTE: "L" DENOTES LOW VOLTAGE PARTITION; PROVIDE STEEL CITY DGP, OR EQUAL.	ELEC. CONTR.
BS1	2-1/2" DEEP, ONE GANG TILE BOX; PROVIDE STEEL CITY GW-125C, OR EQUAL.	ELEC. CONTR.
BS2/BS2L	2-1/2" DEEP, TWO GANG TILE BOX; PROVIDE STEEL CITY GW-225C, OR EQUAL.	ELEC. CONTR.
BS3/BS3L	2-1/2" DEEP, THREE GANG TILE BOX; PROVIDE STEEL CITY GW-325C, OR EQUAL.	ELEC. CONTR.
BS4/BS4L	2-1/2" DEEP, FOUR GANG TILE BOX; PROVIDE STEEL CITY GW-425C, OR EQUAL.	ELEC. CONTR.
BS5/BS5L	2-1/2" DEEP, FIVE GANG TILE BOX; PROVIDE STEEL CITY GW-525C, OR EQUAL.	ELEC. CONTR.
BS6/BS6L	2-1/2" DEEP, SIX GANG TILE BOX; PROVIDE STEEL CITY GW-625C, OR EQUAL.	ELEC. CONTR.
	*NOTE: "L" DENOTES LOW VOLTAGE PARTITION; PROVIDE STEEL CITY PGW-25, OR EQUAL.	ELEC. CONTR.
BD1	3-1/2" DEEP, ONE GANG TILE BOX; PROVIDE STEEL CITY GW-135C, OR EQUAL.	ELEC. CONTR.
BD2/BD2L	3-1/2" DEEP, TWO GANG TILE BOX; PROVIDE STEEL CITY GW-235G, OR EQUAL.	ELEC. CONTR.
BD3/BD3L	3-1/2" DEEP, THREE GANG TILE BOX; PROVIDE STEEL CITY GW-335C, OR EQUAL.	ELEC. CONTR.
BD4/BD4L	3-1/2" DEEP, FOUR GANG TILE BOX; PROVIDE STEEL CITY GW-435C, OR EQUAL.	ELEC. CONTR.
BD5/BD5L	3-1/2" DEEP, FIVE GANG TILE BOX; PROVIDE STEEL CITY GW-535C, OR EQUAL.	ELEC. CONTR.
BD6/BD6L	3-1/2" DEEP, SIX GANG TILE BOX; PROVIDE STEEL CITY GW-635C, OR EQUAL.	ELEC. CONTR.
	*NOTE: "L" DENOTES LOW VOLTAGE PARTITION; PROVIDE STEEL CITY PGW-35, OR EQUAL.	ELEC. CONTR.
JBS	SMALL JUNCTION BOX: 8"H x 8"W x 4"D	ELEC. CONTR.
JBM	MEDIUM JUNCTION BOX: 12"H x 12"W x 6"D	ELEC. CONTR.
JBL	LARGE JUNCTION BOX: 24"H x 24"W x 4"D	ELEC. CONTR.
SPECIAL	SPECIAL BACKBOXES ARE TO BE OWNER/VENDOR PROVIDED AND ELECTRICAL CONTRACTOR INSTALLED.	

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GENERAL COMMUNICATIONS NOTES:

1. DEFINITIONS:
   - A = AMPERES (ELECTRICAL CURRENT)
   - AFF = ABOVE FINISHED FLOOR
   - AFC = ABOVE FINISHED COUNTER
   - COMM = COMMUNICATIONS/TELECOMMUNICATIONS
   - EC = ELECTRICAL CONTRACTOR
   - GC = GENERAL CONTRACTOR
   - IC = INTERCOM
   - OC = ON CENTER
   - NC = NURSE CALL
   - PA = PUBLIC ADDRESS
   - N/A = NOT APPLICABLE
   - NET = NETWORK
   - RAD = RADIO
   - RIO = ROUGH-IN-ONLY. CONTRACTOR TO PROVIDE CLEAN, DRY CONDUIT, BACKBOX, BLANK COVER PLATE AND PULL STRING.
   - SCS = STRUCTURED CABLING SYSTEM (PASSIVE VOICE/DATA STATION AND RISER CABLING, FIBER BACKBONE, OUTLETS, MANAGEMENT, AND OTHER RELATED HARDWARE)
   - SEC = SECURITY
   - TEL = TELEPHONE
   - VAC = VOLTAGE (ALTERNATING CURRENT)
   - VDC = VOLTAGE (DIRECT CURRENT)
   - SPECIAL = BACKBOXES TO BE PROVIDED BY VENDOR
2. SYMBOL LETTERING MAY BE ROTATED DUE TO PLACEMENT ON DRAWINGS.
3. SOME LEGEND SYMBOLS AND DETAILS HEREIN MAY NOT BE USED ON THIS PROJECT.
4. EC SHALL PROVIDE CLEAN DRY CONDUIT OR CABLE TRAY WHERE SPECIFIED AND/OR REQUIRED BY CODE; EC SHALL PROVIDE A MINIMUM OF ONE CONDUIT OR SLEEVE FOR EACH SYSTEM FROM EACH SPACE TO DUCT BANK, CABLE TRAY OR HOOK SYSTEM IN ACCESSIBLE CORRIDOR CEILING.
5. MINIMUM CONDUIT AND SLEEVE SIZE SHALL BE 1" DIAMETER OR LARGER AS INDICATED ON VENDOR SHOP DRAWINGS.
6. WHERE MULTIPLE STRUCTURED CABLING SYSTEM OUTLETS SHARE A COMMON CONDUIT OR SLEEVE, NO MORE THAN THREE OUTLETS CAN SHARE A COMMON CONDUIT OR SLEEVE, AND MINIMUM CONDUIT AND SLEEVE SIZES SHALL BE AS FOLLOWS:
   - ONE VOICE/DATA OUTLET REQUIRES A 1" CONDUIT OR SLEEVE
   - TWO VOICE/DATA OUTLETS REQUIRE A 1-1/4" CONDUIT OR SLEEVE
   - THREE VOICE/DATA OUTLETS REQUIRE A 1-1/2" CONDUIT OR SLEEVE

   DAISY CHAINING VOICE/DATA OUTLETS SHOULD BE AVOIDED.
7. ALL DUCT BANK, CONDUIT, SLEEVES, CABLE TRAY, CABLE HOOKS, BACKBOXES, POWER, AND GROUNDING SHALL BE FURNISHED AND INSTALLED BY THE EC IN ACCORDANCE WITH CODE, THE ELECTRICAL SPECIFICATIONS, COMMUNICATIONS DRAWINGS, AND VENDOR SHOP DRAWINGS; EC SHALL REVIEW ACCORDANCE WITH VENDOR SHOP DRAWINGS WHERE REQUIREMENTS DIFFER FROM COMMUNICATIONS DRAWINGS.
8. CONDUIT, BACKBOXES, POWER, GROUNDING, AND CABLE REQUIREMENTS SHOWN HEREIN ARE FOR REFERENCE ONLY – EC SHALL VERIFY ALL DIMENSIONS, ROUGH-IN, AND POWER REQUIREMENTS WITH CODE, THE ELECTRICAL SPECIFICATIONS, AND VENDOR SHOP DRAWINGS.
9. REFER TO COMMUNICATION EQUIPMENT ROOM DETAILS FOR ADDITIONAL POWER REQUIREMENTS AND ROUGH-IN DETAILS; MINIMUM POWER REQUIREMENTS FOR COMMUNICATION EQUIPMENT ROOM ARE AS SHOWN ON THE COMMUNICATION EQUIPMENT ROOM DETAILS; EC SHALL PROVIDE ADDITIONAL POWER AS REQUIRED ON VENDOR SHOP DRAWINGS.
10. SLEEVES AND CONDUIT ENTERING COMMUNICATION SPACES SHALL BE POSITIONED NO LOWER THAN 6" ABOVE ADJACENT FINISHED CEILING AND NO HIGHER THAN 9'-6" AFF.
11. CONDUIT, SLEEVES, AND BACKBOXES SHALL BE FIRMLY FASTENED TO BUILDING STRUCTURE TO AVOID MOVEMENT DURING CABLE AND DEVICE INSTALLATION.
12. CONDUIT AND SLEEVES SHALL EXTEND MINIMUM 6" BEYOND WALL SURFACE, SHALL BE PROVIDED WITH PROTECTIVE NYLON BUSHING, AND PLACED WITH ADEQUATE CLEARANCE (I.E. MIN. 10 TIMES CONDUIT OR SLEEVE DIAMETER) TO PERMIT ACCESS FOR CABLE INSTALLATION.
13. BACKBOXES SHALL BE INSTALLED SUCH THAT DEVICE MOUNTING SURFACE IS FLUSH WITH THE FINAL WALL, FLOOR, OR CEILING SURFACE.
14. ALL BACKBOXES SHALL BE INSTALLED WITHIN TWO DEGREES OF LEVEL.
15. ALL BACKBOXES SHALL BE INSTALLED WITH ADEQUATE CLEARANCE FROM ADJACENT DEVICES TO ACCOMMODATE FACEPLATE OVERLAP-SEE DETAILS.
16. DEVICE LOCATIONS AND ELEVATIONS SHOWN HERE ARE FOR REFERENCE ONLY; EC TO REFER TO ARCHITECTURAL ELEVATIONS FOR ALL FINAL MOUNTING LOCATIONS AND HEIGHTS.
17. EC SHALL INSTALL VENDOR FURNISHED EQUIPMENT CABINETS AND SPECIAL BACKBOXES IN ACCORDANCE WITH VENDOR SHOP DRAWINGS. VENDOR FURNISHED EQUIPMENT CABINETS AND SPECIAL BACKBOXES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
    - NURSE CALL AND CODE BLUE POWER SUPPLIES AND TERMINAL UNITS AS SHOWN ON THE DRAWINGS AND THE COMMUNICATIONS EQUIPMENT ROOM DETAILS; EC SHALL INSTALL VENDOR FURNISHED NURSE CALL AND CODE BLUE ANNUNCIATOR BACKBOXES WHERE SPECIAL ANNUNCIATOR BACKBOXES ARE FURNISHED BY THE VENDOR.
    - SECURITY TERMINAL EQUIPMENT CABINETS AS SHOWN ON THE COMMUNICATIONS EQUIPMENT ROOM DETAILS.
    - FLUSH WALL INTERCOM STATIONS – SYMBOL (IF)
    - MONITORING INTERCOM SLAVE STATIONS – SYMBOL (IS)
    - CEILING LOUDSPEAKERS – SYMBOL (S)
18. EC SHALL RECEIVE, STORE, AND SECURE COMMUNICATION SYSTEMS MATERIALS TO BE INSTALLED BY THE EC.
19. WHERE CODE PERMITS OPEN WIRING, STUB COMMUNICATION SYSTEM CONDUIT TO NEAREST ACCESSIBLE CEILING; CONDUIT BETWEEN DEVICES IN A SPACE SHALL BE AS SHOWN ON THE COMMUNICATION DRAWINGS, OR AS SHOWN ON THE VENDOR SHOP DRAWINGS WHERE VENDOR SHOP DRAWINGS DIFFER FROM THE COMMUNICATION DRAWINGS.
20. RUN OPEN WIRING IN CABLE TRAY OR CABLE HOOK SYSTEM WHEREVER POSSIBLE.
21. RUN CABLE FOR EACH SYSTEM IN CONDUIT, SLEEVES, HOOKS OR CABLE TRAY SYSTEMS DEDICATED FOR THE SYSTEM.
22. SEPARATE AND BUNDLE CABLE WITHIN TRAY OR HOOKS BY SYSTEM.
23. MAINTAIN VENDOR RECOMMENDED SEPARATIONS BETWEEN CABLING OF DIFFERENT SYSTEMS.
24. MAINTAIN VENDOR RECOMMENDED SEPARATIONS BETWEEN CABLING AND INTERFERENCEPRODUCING ELECTRICAL DEVICES SUCH AS POWER CONDUIT AND CABLING, ELECTRICAL PANELS, FLUORESCENT LIGHTS, BALLASTS, RELAYS, ELECTRIC MOTORS, MOTOR CONTROLLERS, TRANSFORMERS, AND OTHER ELECTROMAGNETIC DEVICES.
25. WHERE CABLE IS RUN OPEN OUTSIDE OF CABLE TRAY OR HOOK SYSTEM, RUN PARALLEL OR PERPENDICULAR TO WALLS AND SUPPORT A MINIMUM OF EVERY 5' USING BICSI APPROVED CABLE HOOKS OR OTHER SUPPORT DEVICES; WITHIN 50' OF COMMUNICATION EQUIPMENT ROOM, CABLE SHALL BE SUPPORTED A MINIMUM OF EVERY 3 FEET.
26. ALL CABLE TRAY, CABLE HOOKS, AND OTHER CABLE SUPPORT DEVICES SHALL BE ATTACHED TO THE BUILDING STRUCTURE IN ACCORDANCE WITH CODE AND INSTALLED IN A MANNER THAT PROVIDES UNOBSTRUCTED PATHWAY.
27. NO OPEN CABLING SHALL BE DRAPED OVER OR SUPPORTED ON PLUMBING, ELECTRICAL, MEDICAL GAS, FIRE SUPPRESSION, OR OTHER PIPING OR DUCTWORK.
28. NO OPEN CABLING SHALL BE DRAPED OVER OR SUPPORTED ON STRUCTURAL BEAMS, MISC. STEEL, OR ANY OTHER BUILDING ELEMENT.
29. ALL CONDUITS AND OTHER CLOSED RACEWAY SHALL BE INSTALLED WITH PULL STRINGS.
30. ALL WALL PENETRATIONS SHALL BE SEALED USING CODE COMPLIANT SEALING MATERIALS AND METHODS APPROVED OR SPECIFIED BY THE ARCHITECT.
31. EC SHALL SEAL OUTSIDE ALL CONDUITS, CABLE TRAY, AND SLEEVES.
32. COMMUNICATIONS CABLING CONTRACTORS AND SYSTEM INSTALLERS SHALL SEAL INSIDE ALL CONDUITS AND SLEEVES WITH COMPLIANT REMOVABLE MATERIALS AND METHODS.
33. EACH COMMUNICATIONS SYSTEM INSTALLER AND CABLING CONTRACTOR SHALL PROPERLY SEAL CONDUITS AND SLEEVES DEDICATED TO THEIR SYSTEMS.
34. EC SHALL PROPERLY SEAL ALL UNUSED CONDUITS AND SLEEVES.
35. EC SHALL PROPERLY SEAL WALL PENETRATIONS FOR CABLE TRAY USING REMOVABLE CODE COMPLIANT SEALING MATERIALS AND METHODS.
36. ALL POWER CIRCUITS FOR COMMUNICATIONS EQUIPMENT SHALL BE MINIMUM 120 VAC, 20 AMPS DEDICATED – OR AS SHOWN ON VENDOR SHOP DRAWINGS WHERE REQUIREMENTS EXCEED THOSE SHOWN ON THE COMMUNICATION DRAWINGS – PROVIDE EMERGENCY POWER WHERE INDICATED.
37. CABLING CONTRACTOR AND SYSTEM VENDORS SHALL VERIFY REQUIREMENTS FOR PLENUM, NON-PLENUM, AND RISER RATED CABLE WITH THE ARCHITECT, AND SHALL FURNISH AND INSTALL ONLY CABLE PROPERLY RATED FOR THE APPLICATION AND LOCATION WHERE INSTALLED.
38. COORDINATE FINAL COMMUNICATION DEVICE LOCATIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS, CASEWORK, REFLECTED CEILING PLAN, AND EQUIPMENT LOCATIONS.
39. ABOVE CEILING STRUCTURED CABLING SYSTEM OUTLETS LOCATED ADJACENT TO WIRELESS LAN, WIRELESS TELEPHONE AND TELEMETRY ACCESS POINTS (SEE LEGEND SYMBOLS) SHALL BE INSTALLED WITH A 20' SERVICE LOOP, TERMINATED ON MALE RJ45 CONNECTORS, AND NEATLY COILED AND SUPPORTED ON A CABLE HOOK ABOVE THE CEILING.
40. ABOVE CEILING STRUCTURED CABLING SYSTEM OUTLETS LOCATED ADJACENT TO WIRELESS LAN, WIRELESS TELEPHONE AND TELEMETRY ACCESS POINTS (SEE LEGEND SYMBOLS) ARE LOCATED ON THE DRAWINGS BASED ON 62.5' COVERAGE RADIUS; SYSTEM VENDORS SHALL UNCOIL CABLE SERVICE LOOP TO EXTEND CABLE TO FINAL WIRELESS ACCESS POINT LOCATIONS, SHALL PROVIDE CABLE SUPPORT EVERY 4', AND SHALL NEATLY RECOIL AND SUPPORT ANY UNUSED PORTION OF THE SERVICE LOOPS.
41. GC SHALL FURNISH AND INSTALL 3/4" FIRE RETARDANT "A/B" GRADE PLYWOOD (INSTALLED "A" SIDE OUT) ON ALL WALLS OF COMMUNICATIONS EQUIPMENT ROOMS FROM FLOOR TO 96" AFF.
42. GC SHALL FURNISH AND INSTALL IN-WALL BLOCKING AND ABOVE CEILING REINFORCEMENT AS REQUIRED FOR INSTALLATION OF COMMUNICATION EQUIPMENT BRACKETS, SHELVES, AND FURNITURE MOUNTS IN ACCORDANCE WITH VENDOR SHOP DRAWINGS AND APPLICABLE CODES.
43. GC SHALL INSTALL ALL COMMUNICATION EQUIPMENT WALL AND/OR CEILING BRACKETS, SHELVES, AND FURNITURE MOUNTS IN ACCORDANCE WITH VENDOR SHOP DRAWINGS AND APPLICABLE CODES.
44. EXTERIOR SURVEILLANCE CAMERAS SHALL BE MOUNTED AT A MINIMUM ELEVATION OF 15' ABOVE GROUND, OR ON THE ROOF PARAPET OF THE LEVEL WHERE SHOWN ON THE DRAWINGS.
45. EC SHALL PROVIDE COMPLETION SCHEDULE BROKEN DOWN BY PHASE FOR TURN-OVER OF COMPLETED COMMUNICATIONS ROUGH-IN READY FOR VENDOR CABLE INSTALLATION.
46. GC SHALL PROVIDE COMPLETION SCHEDULE BROKEN DOWN BY PHASE FOR TURN-OVER OF FINISHED AREAS READY FOR TERMINATION AND TESTING OF COMMUNICATIONS EQUIPMENT.
47. EC SHALL BE RESPONSIBLE FOR CORRECTING ANY ROUGH-IN OR OTHER WORK NOT COMPLETED IN ACCORDANCE WITH VENDOR SHOP DRAWINGS.
48. EC SHALL BE RESPONSIBLE FOR ANY EXTRA VENDOR COST RESULTING FROM INCORRECT ROUGH-IN OR OTHER RELATED WORK.
49. ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL COMMUNICATIONS DEVICE LOCATIONS WITH ARCHITECTURAL PLANS, CASEWORK AND ELEVATIONS. WHEN APPLICABLE, LOCATE TELECOM OUTLETS IN KNEESPACE OF CASEWORK.

NOTES FOR VENDORS OF OWNER FURNISHED COMMUNICATION SYSTEMS:

50. VENDORS OF OWNER FURNISHED SYSTEMS SHALL PROVIDE EQUIPMENT SUBMITTALS AND SHOP DRAWINGS IN ACCORDANCE WITH THE SPECIFICATIONS AND THE PROJECT SCHEDULE.
51. VENDORS OF OWNER FURNISHED SYSTEMS SHALL PROVIDE EC INSTALLED MATERIALS (SUCH AS SPECIAL BACKBOXES, EQUIPMENT CABINETS, ETC.) TO THE EC WITH ALL NECESSARY INSTALLATION INSTRUCTIONS IN ACCORDANCE WITH THE PROJECT SCHEDULE.
52. VENDORS OF OWNER FURNISHED SYSTEMS SHALL INSPECT EC AND GC ROUGH-IN WORK TO ASSURE COMPLIANCE WITH REQUIREMENTS OF SHOP DRAWINGS, AND SHALL PROVIDE WRITTEN DOCUMENTATION OF ANY REQUIRED CORRECTIVE WORK TO THE EC, GC, ARCHITECT, OWNER, AND OWNER'S REPRESENTATIVE.
53. STRUCTURED CABLING VENDOR SHALL COORDINATE SCHEDULE AND FINAL LOCATIONS OF ALL OUTLETS IN MODULAR FURNITURE PRIOR TO INSTALLATION.
54. MINIMAL STORAGE WILL BE AVAILABLE ON THE CONSTRUCTION SITE – HENCE, VENDORS OF OWNER FURNISHED SYSTEMS SHALL BE RESPONSIBLE FOR RECEIVING AND STORING MATERIALS AND FOR COORDINATING MATERIALS DELIVERY TO THE JOB-SITE ON A "JUST-IN-TIME" BASIS.
55. VENDORS OF OWNER FURNISHED SYSTEMS SHALL VERIFY CABLE RATING REQUIREMENTS WITH THE ARCHITECT AND SHALL FURNISH AND INSTALL ONLY CABLE THAT IS PROPERLY RATED FOR THE APPLICATION AND LOCATION WHERE INSTALLED.
56. COMMUNICATIONS CABLE INSTALLED BY OWNER'S VENDORS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS DETAILED HEREIN AND SHALL BE FREE OF KINKS, TWISTS, SHARP BENDS, UNNECESSARY LOOPS, OR WORKMANSHIP DEFECT.
57. VENDORS OF OWNER FURNISHED SYSTEMS SHALL PARTICIPATE IN AND COMPLY WITH ALL TRAINING AND TESTING REQUIREMENTS (INCLUDING, BUT NOT LIMITED TO, SAFETY TRAINING AND DRUG TESTING) OF THE OWNER AND CONSTRUCTION MANAGER/GC.
58. VENDORS OF OWNER FURNISHED SYSTEMS SHALL OBTAIN AND MAINTAIN ALL PERMITS REQUIRED FOR PERFORMANCE OF THEIR WORK, AND SHALL PROVIDE COPIES OF PERMITS TO THE OWNER, OWNER'S REPRESENTATIVE, AND CONSTRUCTION MANAGER/GC.
59. VENDORS OF OWNER FURNISHED SYSTEMS SHALL OBTAIN AND MAINTAIN ALL LICENSES AS REQUIRED BY LOCAL JURISDICTION FOR PERFORMANCE OF THEIR WORK, AND SHALL PROVIDE COPIES OF SUCH LICENSE(S) TO THE OWNER, OWNER'S REPRESENTATIVE, AND CONSTRUCTION MANAGER/GC, AS REQUIRED.

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CM.00

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