- 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 DRAWING:
 PATIENT MONITORING CABLES TO BE TERMINATED ON BIO MED RACK PRIOR TO INSTALLATION. ELEV INDICATES OUTLET FOR ELEVATOR. COORDINATE LOCATION TERMINATIONS AND OTHER ADDITIONAL REQUIREMENTS WITH ELEVATOR MANUFACTURER.

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTEI 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	
ČRD	WRELESS (CORDLESS) TELEPHONE	ADJ. 120 VAC (EMERGENCY)	N/A	N/A	
CP FS	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	
	INTELLIGENT CONSOLE	ADJ. 120 VAC (EMERGENCY)	N/A	N/A	
42"LCD MON	42" LCD MON	ADJACENT 120 VAC	SEE NOTE	SEE NOTE	
LP LP	LOCAL PRINTER	ADJACENT 120 VAC	N/A	N/A	
O#O (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	
NPC	NETWORK PC	ADJACENT 120 VAC	N/A	N/A	
NP NP	NETWORK PRINTER	ADJACENT 120 VAC	N/A	N/A	
PACS	PACS WORKSTATION	ADJ. 120 VAC (EMERGENCY)	N/A	N/A	
PACS	PBX CONSOLE	N/A	N/A	N/A	
PCF	NETWORK PC W/ FLATSCREEN	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	
D Pi	PAY TELEPHONE — STANDARD HEIGHT	120 VAC	AS1	45" AFF ON CENTER	
D PTH	PAY TELEPHONE — HANDICAP HEIGHT	120 VAC	AS1	39" AFF ON CENTER	
SCAN	DOCUMENT/IMAGE SCANNER	ADJACENT 120 VAC	N/A	N/A	
∭ ŠLD	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	
	VIDEO DATA TERMINAL	ADJACENT 120 VAC	N/A	N/A	
VDT	WIRELESS ACCESS POINT/LAN HUB	N/A	N/A	N/A	
<u>-\[WHUB]</u>	WIRELESS TELEPHONE HUB	N/A	N/A	N/A	
	WIRELESS PC ON CART	ADJACENT 120 VAC	N/A	N/A	

DICTATION SYSTEM								
SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTE HEIGHT				
∭ DICT	DICTATION STATION W/ HANDSET	ADJACENT 120 VAC	N/A	N/A				
∭ Ⅲ 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				

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT
$\langle A \rangle$	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		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
NMY	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
<\hat{Z}>	ZONE DOME LIGHT	N/A	AD2	CEILING

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGEST HEIGHT
(DA)	DOOR BELL ANNUNCIATOR	PER VENDOR SPECS	PER VENDOR SPECS	PER VEND SPECS
(DB)	DOOR BELL BUZZER	N/A	N/A	48" AFF
D(H)	WEATHER-PROOF HORN TYPE SPEAKER	N/A	AS1	84"-96" A
(J1)	LOCAL SPEAKER INPUT JACK, SINGLE	120 VAC	AD1	18" AFF C 8" AFC
J2)	LOCAL SPEAKER INPUT JACK, STEREO	120 VAC	AD1	18" AFF C 8" AFC
M	MICROPHONE AND INPUT JACK	N/A	AD1	18" AFF C 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		SPECIAL	COORDINAT W/ ARCHITE
V	LOCAL VOLUME CONTROL	N/A	AD 1	48" AFF
(VP)	LOCAL VOLUME CONTROL W/ PRECEDENCE OVERRIDE	N/A	AD2	48" AFF

	INTERCOM SY	STEM		
SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGES HEIGH
	DUPLEX INTERCOM DESK MASTER STATION W/ OUTLET	N/A	AS1	SEE NO
(F)	DUPLEX INTERCOM MASTER STATION — FLUSH WALL MOUNT W/ CONNECTOR	N/A	SPECIAL	48" AF
(M)	SIMPLEX INTERCOM MASTER STATION	N/A	AS1	SEE NO
(IS)	SIMPLEX INTERCOM SLAVE STATION	N/A	SPECIAL	48" AFF ABOVE CE
(W)	DUPLEX INTERCOM MASTER STATION — SURFACE WALL MOUNT W/ OUTLET	N/A	AS1	48" AF
(X)	SIMPLEX INTERCOM EXCHANGE	120 VAC EMERGENCY	NA	WALL C

SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTE HEIGHT
A/V	AUDIO / VIDEO OUTLET	ADJACENT 120 VAC	BD3L	18" AFF OR AS NOTED
DVD	SINGLE DVD UNIT	N/A	N/A	N/A
PREM	VIDEO PROJECTOR REMOTE CONTROL	N/A	BD3	48" AFF
□ PROJ	VIDEO PROJECTOR WITH BRACKET AND OUTLET	120 VAC	BD3L	CEILING MOUN
ST	TV CEILING SPEAKER WITH BACKBOX AND GRID SUPPORT		SPECIAL	CEILING MOUN
TF	27" FLOOR CONSOLE TV W/ ANTENNA OUTLET AND INFRARED REMOTE	ADJACENT 120 VAC	AD1	18" AFF
ТО	TV ANTENNA OUTLET	N/A	AD1	18" AFF
 T10F	10" 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" SUSPENSION ARM LCD TV W/ WALL MOUNT, POWER SUPPLY, AND ANTENNA OUTLET	ADJACENT 120 VAC	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG
T15	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	AD 2L 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	AD 2L SEE NOTE 2	PER VENDOR SHOP DWG
TVF	20" LCD TV 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	AD 2L SEE NOTE 2	PER VENDOR SHOP DWG
TVFD	20" WALL MOUNTED LVD TV W/ DVD, ANTENNA / REMOTE CONTROL OUTLET "C" DENOTES CEILING MOUNT	ADJACENT 120 VAC	AD 2L SEE NOTE 2	PER VENDOR SHOP DWG
TVD	20" WALL MOUNTED TV W/ DVD, ANTENNA / REMOTE CONTROL OUTLET "A" DENOTES ARMOIRE MOUNT "C" DENOTES CEILING MOUNT "S" DENOTES SHELF MOUNT		AD 2L 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
TV VCR	TV AND VCR / DVD ON A/V CART	ADJACENT 120 VAC	N/A	N/A
42"LCD	42" LCD TV	ADJACENT 120 VAC	SEE NOTE	SEE NOTE
42"PLASMA	42" PLASMA TV	ADJACENT 120 VAC	SEE NOTE	SEE NOTE
VCD	VCR/DVD COMBO UNIT	N/A	N/A	N/A
VCR	SINGLE VCR UNIT	N/A	N/A	N/A
////	ANTENNA ARRAY WITH MAST(S)	N/A	W'HD	ROOF MOUN
	SATELLITE DISH W/ PAD OR ROOF MOUNT	N/A	W'HD	SEE DETAIL

CLOSED CIRCUIT VIDEO SYSTEMS									
SYMBOL	DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT					
DCAM	CLOSED CIRCUIT COLOR CAMERA W/ WALL MOUNTING BRACKET AND OUTLET		BD3L OR W'HD	84"-96" AFF OR AS NOTED					
	CAMERA NOTATION:	120 VAC (EMERGENCY) PTZ ONLY							
⊳ <u>CAM</u> PTZ	"PTZ" REMOTE PAN / TILT / ZOOM								
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					
DDCM	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					
D/WED	COLOR CAMERA WITH CEILING WEDGE HOUSING AND OUTLET	N/A	SPECIAL	CEILING GRID					
NOTES: 1. PROVID	E WEATHERHEAD FOR EXTERIOR CAMERAS.								

	ACCESS CONTROL / DOO / INFANT SECURITY			
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
РВ	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

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

	RADIO SYSTE	EMS		
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

LIGHTING AND LIGHTNING PROTECTION

RADIO ANTENNA

	BACKBOX TYPES	
REFERENCE NUMBER	DESCRIPTION	FURNISHE 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. CONT
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. CONTI
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. CONTI
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. CONT
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. CONT
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. CONT
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. CONT
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	ELEC. CONTR
BD4/BD4L	GW-335C, OR EQUAL. 3-1/2" DEEP, FOUR GANG TILE BOX; PROVIDE STEEL CITY	ELEC. CONTR
BD5/BD5L	GW-435C, OR EQUAL. 3-1/2" DEEP, FIVE GANG TILE BOX; PROVIDE STEEL CITY	ELEC. CONTR
BD6/BD6L	GW-535C, OR EQUAL. 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.	

MATERIAL HEREIN WITHOUT WRITTEN PERMISSION OF GENE BURTON & WILL BE SUBJECT TO LEGAL PROSECUTION.

GENERAL COMMUNICATIONS NOTES:

TRAY OR HOOK SYSTEM IN ACCESSIBLE CORRIDOR CEILING.

INDICATED ON VENDOR SHOP DRAWINGS.

ELECTROMAGNETIC DEVICES.

SYSTEMS DEDICATED FOR THE SYSTEM.

MINIMUM CONDUIT AND SLEEVE SIZE SHALL BE 1" DIAMETER OR LARGER AS

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

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

23. MAINTAIN VENDOR RECOMMENDED SEPARATIONS BETWEEN CABLING OF DIFFERENT

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

26. ALL CABLE TRAY, CABLE HOOKS, AND OTHER CABLE SUPPORT DEVICES SHALL BE ATTACHED TO THE BUILDING STRUCTURE IN ACCORDANCE WITH CODE AND

ELECTRICAL, MEDICAL GAS, FIRE SUPPRESSION, OR OTHER PIPING OR DUCTWORK.

INSTALLED IN A MANNER THAT PROVIDES UNOBSTRUCTED PATHWAY.

27. NO OPEN CABLING SHALL BE DRAPED OVER OR SUPPORTED ON PLUMBING,

28. NO OPEN CABLING SHALL BE DRAPED OVER OR SUPPORTED ON STRUCTURAL

29. ALL CONDUITS AND OTHER CLOSED RACEWAY SHALL BE INSTALLED WITH PULL

30. ALL WALL PENETRATIONS SHALL BE SEALED USING CODE COMPLIANT SEALING

32. COMMUNICATIONS CABLING CONTRACTORS AND SYSTEM INSTALLERS SHALL SEAL INSIDE ALL CONDUITS AND SLEEVES WITH COMPLIANT REMOVABLE MATERIALS

33. EACH COMMUNICATIONS SYSTEM INSTALLER AND CABLING CONTRACTOR SHALL PROPERLY SEAL CONDUITS AND SLEEVES DEDICATED TO THEIR SYSTEMS.

36. ALL POWER CIRCUITS FOR COMMUNICATIONS EQUIPMENT SHALL BE MINIMUM 120

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

38. COORDINATE FINAL COMMUNICATION DEVICE LOCATIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS, CASEWORK, REFLECTED CEILING PLAN, AND

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

VAC, 20 AMPS DEDICATED - OR AS SHOWN ON VENDOR SHOP DRAWINGS WHERE REQUIREMENTS EXCEED THOSE SHOWN ON THE COMMUNICATION DRAWINGS -

MATERIALS AND METHODS APPROVED OR SPECIFIED BY THE ARCHITECT.

31. EC SHALL SEAL OUTSIDE ALL CONDUITS, CABLE TRAY, AND SLEEVES.

34. EC SHALL PROPERLY SEAL ALL UNUSED CONDUITS AND SLEEVES.

PROVIDE EMERGENCY POWER WHERE INDICATED.

APPLICATION AND LOCATION WHERE INSTALLED.

EQUIPMENT LOCATIONS.

HOOK ABOVE THE CEILING.

35. EC SHALL PROPERLY SEAL WALL PENETRATIONS FOR CABLE TRAY USING

REMOVABLE CODE COMPLIANT SEALING MATERIALS AND METHODS.

BEAMS, MISC. STEEL, OR ANY OTHER BUILDING ELEMENT.

INTERFERENCEPRODUCING ELECTRICAL DEVICES SUCH AS POWER CONDUIT AND CABLING, ELECTRICAL PANELS, FLUORESCENT LIGHTS, BALLASTS, RELAYS, ELECTRIC MOTORS, MOTOR CONTROLLERS, TRANSFORMERS, AND OTHER

22. SEPARATE AND BUNDLE CABLE WITHIN TRAY OR HOOKS BY SYSTEM.

24. MAINTAIN VENDOR RECOMMENDED SEPARATIONS BETWEEN CABLING AND

SHOP DRAWINGS WHERE VENDOR SHOP DRAWINGS DIFFER FROM THE COMMUNICATION

RADIO SYSTE	EMS			1.	DEFINITIO A	NS: = AMPERES (ELECTRICAL CURRENT)
DESCRIPTION	POWER	REQUIRED BACKBOX	SUGGESTED HEIGHT		AFF AFC COMM	= ABOVE FINISHED FLOOR = ABOVE FINISHED COUNTER = COMMUNICATIONS/TELECOMMUNICATIONS
EMS VOICE RECORDER	120 VAC (EMERGENCY)	AD1	8" AFC		EC GC	= ELECTRICAL CONTRACTOR = GENERAL CONTRACTOR
EMS TELEMETRY CONSOLE	120 VAC (EMERGENCY)	AD1	8" AFC		IC OC NC	= INTERCOM = ON CENTER = NURSE CALL
EMS BASE STATION	120 VAC (EMERGENCY)	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG		PA N/A	= PUBLIC ADDRESS = NOT APPLICABLE
EMS REMOTE CONSOLE WITH PHONE PATCH	120 VAC (EMERGENCY)	AD1	8" AFC		NET RAD RIO	NETWORKRADIOROUGH-IN-ONLY. CONTRACTOR TO PROVIDE CLEAN, DRY
HAMM RADIO	120 VAC (EMERGENCY)	AD1	8" AFC		SCS	CONDUIT, BACKBOX, BLANK COVER PLATE AND PULL STRING. = STRUCTURED CABLING SYSTEM (PASSIVE VOICE/DATA STATION
HEAR BASE STATION	120 VAC (EMERGENCY)	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG		SEC	AND RISER CABLING, FIBER BACKBONE, OUTLETS, MANAGEMENT, AND OTHER RELATED HARDWARE) = SECURITY
HEAR REMOTE CONSOLE	120 VAC (EMERGENCY)	AD1	8" AFC		TEL VAC	<pre>= TELEPHONE = VOLTAGE (ALTERNATING CURRENT)</pre>
RADIO PAGING BASE STATION	120 VAC (EMERGENCY)	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG		VDC SPECIAL	= VOLTAGE (DIRECT CURRENT) = BACKBOXES TO BE PROVIDED BY VENDOR
RADIO PAGING TERMINAL	120 VAC (EMERGENCY)	AD1	8" AFC	2.	SYMBOL	LETTERING MAY BE ROTATED DUE TO PLACEMENT ON DRAWINGS.
TWO WAY RADIO BASE STATION	120 VAC (EMERGENCY)	PER VENDOR SHOP DWG	PER VENDOR SHOP DWG	3.	SOME LI	EGEND SYMBOLS AND DETAILS HEREIN MAY NOT BE USED ON THIS T.
TWO WAY RADIO REMOTE CONSOLE	120 VAC (EMERGENCY)	AD1	8" AFC	4.		LL PROVIDE CLEAN DRY CONDUIT OR CABLE TRAY WHERE SPECIFIED REQUIRED BY CODE; EC SHALL PROVIDE A MINIMUM OF ONE CONDUIT
FREESTANDING RADIO TOWER WITH LIGHTING AND LIGHTNING PROTECTION	120 VAC	W'HD	AS SHOWN ON SITE PLAN			EVE FOR EACH SYSTEM FROM EACH SPACE TO DUCT BANK, CABLE

ROOFTOP

COORD. W

W'HD

(EMERGENCY)

(CONTRAC	BACKBOX LEGEND TOR SHALL VERIFY ALL ELECTRICAL REQUIREMENTS WIT	TH VENDORS.)		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:
	BACKBOX TYPES			-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
REFERENCE NUMBER	DESCRIPTION	FURNISHED BY		DAISY CHAINING VOICE/DATA OUTLETS SHOULD BE AVOIDED.
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.		ALL DUCT BANK, CONDUIT, SLEEVES, CABLE TRAY, CABLE HOOKS, BACKBOXES, POWER, AND GROUNDING SHALL BE FURNISHED AND INSTALLED BY THE EC IN
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.		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
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. ELEC. CONTR.		DRAWINGS.
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.		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
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.			SPECIFICATIONS, AND VENDOR SHOP DRAWINGS. REFER TO COMMUNICATION EQUIPMENT ROOM DETAILS FOR ADDITIONAL POWER
	*NOTE: "L" DENOTES LOW VOLTAGE PARTITION; PROVIDE STEEL CITY SGP, OR EQUAL.	ELEC. CONTR.		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
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.		ON VENDOR SHOP DRAWINGS.
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.		SLEEVES AND CONDUIT ENTERING COMMUNICATION SPACES SHALL BE POSITIONED NO LOWER THAN 6" ABOVE ADJACENT FINISHED CEILING AND NO HIGHER THAN 9'-6" AFF.
AD3/AD3L	4-11/16" HIGH BOX, 2-1/2" DEEP, WITH 13/16" DEEP THREE DEVICE COVER; PROMDE STEEL CITY H3BD BOX WITH STEEL CITY 3-GC DEVICE COVER, OR EQUAL.	ELEC. CONTR.	11.	CONDUIT, SLEEVES, AND BACKBOXES SHALL BE FIRMLY FASTENED TO BUILDING STRUCTURE TO AVOID MOVEMENT DURING CABLE AND DEVICE INSTALLATION.
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.	12.	CONDUIT AND SLEEVES SHALL EXTEND MINIMUM 6" BEYOND WALL SURFACE, SHA
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.		BE PROVIDED WITH PROTECTIVE NYLON BUSHING, AND PLACED WITH ADEQUATE CLEARANCE (I.E. MIN. 10 TIMES CONDUIT OR SLEEVE DIAMETER) TO PERMIT ACCE FOR CABLE INSTALLATION.
	*NOTE: "L" DENOTES LOW VOLTAGE PARTITION; PROVIDE STEEL CITY DGP, OR EQUAL.	ELEC. CONTR.	13.	BACKBOXES SHALL BE INSTALLED SUCH THAT DEVICE MOUNTING SURFACE IS FLUSH WITH THE FINAL WALL, FLOOR, OR CEILING SURFACE.
BS1	2-1/2" DEEP, ONE GANG TILE BOX; PROVIDE STEEL CITY GW-125C, OR EQUAL.	ELEC. CONTR.		ALL BACKBOXES SHALL BE INSTALLED WITHIN TWO DEGREES OF LEVEL.
BS2/BS2L	2-1/2" DEEP, TWO GANG TILE BOX; PROVIDE STEEL CITY GW-225C, OR EQUAL.	ELEC. CONTR.	15.	ALL BACKBOXES SHALL BE INSTALLED WITH ADEQUATE CLEARANCE FROM ADJACE
BS3/BS3L	2-1/2" DEEP, THREE GANG TILE BOX; PROVIDE STEEL CITY GW-325C, OR EQUAL.	ELEC. CONTR.		DEVICES TO ACCOMMODATE FACEPLATE OVERLAP—SEE DETAILS.
BS4/BS4L	2-1/2" DEEP, FOUR GANG TILE BOX; PROVIDE STEEL CITY GW-425C, OR EQUAL.	ELEC. CONTR.		DEVICE LOCATIONS AND ELEVATIONS SHOWN HERE ARE FOR REFERENCE ONLY; EREFER TO ARCHITECTURAL ELEVATIONS FOR ALL FINAL MOUNTING LOCATIONS AND
BS5/BS5L	2-1/2" DEEP, FIVE GANG TILE BOX; PROVIDE STEEL CITY GW-525C, OR EQUAL.	ELEC. CONTR.		HEIGHTS.
BS6/BS6L	2-1/2" DEEP, SIX GANG TILE BOX; PROVIDE STEEL CITY GW-625C, OR EQUAL.	ELEC. CONTR.		EC SHALL INSTALL VENDOR FURNISHED EQUIPMENT CABINETS AND SPECIAL BACKBOXES IN ACCORDANCE WITH VENDOR SHOP DRAWINGS. VENDOR FURNISHEI
	*NOTE: "L" DENOTES LOW VOLTAGE PARTITION; PROVIDE STEEL CITY PGW-25, OR EQUAL.	ELEC. CONTR.		EQUIPMENT CABINETS AND SPECIAL BACKBOXES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
BD1	3-1/2" DEEP, ONE GANG TILE BOX; PROVIDE STEEL CITY GW-135C, OR EQUAL.	ELEC. CONTR.		 NURSE CALL AND CODE BLUE POWER SUPPLIES AND TERMINAL UNITS A SHOWN ON THE DRAWINGS AND THE COMMUNICATIONS EQUIPMENT ROOM
BD2/BD2L	3-1/2" DEEP, TWO GANG TILE BOX; PROVIDE STEEL CITY GW-235G, OR EQUAL.	ELEC. CONTR.		DETAILS; EC SHALL INSTALL VENDOR FURNISHED NURSE CALL AND CODI BLUE ANNUNCIATOR BACKBOXES WHERE SPECIAL ANNUNCIATOR
BD3/BD3L	3-1/2" DEEP, THREE GANG TILE BOX; PROVIDE STEEL CITY GW-335C, OR EQUAL.	ELEC. CONTR.		BACKBOXES ARE FURNISHED BY THE VENDOR. — SECURITY TERMINAL EQUIPMENT CABINETS AS SHOWN ON THE
BD4/BD4L	3-1/2" DEEP, FOUR GANG TILE BOX; PROVIDE STEEL CITY GW-435C, OR EQUAL.	ELEC. CONTR.		COMMUNICATIONS EQUIPMENT ROOM DETAILS. - FLUSH WALL INTERCOM STATIONS - SYMBOL (IF)
BD5/BD5L	3-1/2" DEEP, FIVE GANG TILE BOX; PROVIDE STEEL CITY GW-535C, OR EQUAL.	ELEC. CONTR.		- MONITORING INTERCOM SLAVE STATIONS - SYMBOL (IS)
BD6/BD6L	3-1/2" DEEP, SIX GANG TILE BOX; PROVIDE STEEL CITY GW-635C, OR EQUAL.	ELEC. CONTR.		- CEILING LOUDSPEAKERS - SYMBOL (S)
	*NOTE: "L" DENOTES LOW VOLTAGE PARTITION; PROVIDE STEEL CITY PGW-35, OR EQUAL.	ELEC. CONTR.		EC SHALL RECEIVE, STORE, AND SECURE COMMUNICATION SYSTEMS MATERIALS TO BE INSTALLED BY THE EC.

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- 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
- 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.

SERVICE LOOPS.

- 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

NOTES FOR VENDORS OF OWNER **FURNISHED COMMUNICATION SYSTEMS:**

IN KNEESPACE OF CASEWORK.

- 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 DRAWINGS, AND VENDOR SHOP DRAWINGS; EC SHALL REVIEW ACCORDANCE WITH 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. EQUIPMENT ROOM DETAILS; EC SHALL PROVIDE ADDITIONAL POWER AS REQUIRED
 - 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 12. CONDUIT AND SLEEVES SHALL EXTEND MINIMUM 6" BEYOND WALL SURFACE, SHALL PERFORMANCE OF THEIR WORK, AND SHALL PROVIDE COPIES OF PERMITS TO THE OWNER, OWNER'S BE PROVIDED WITH PROTECTIVE NYLON BUSHING, AND PLACED WITH ADEQUATE REPRESENTATIVE, AND CONSTRUCTION MANAGER/GC. CLEARANCE (I.E. MIN. 10 TIMES CONDUIT OR SLEEVE DIAMETER) TO PERMIT ACCESS
 - 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

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