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ABBREVIATIONS	
ABBREV	DESCRIPTION
A. AMPS	AMPERES
AMREV.	AMPERE VOLTAGE
AC	AIR CONDITIONER
AC	ALTERNATE CURRENT
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AGF	ABOVE GRADE
AG	ABOVE CEILING GRID
ARC	AMPERE OF INTERRUPTION CURRENT
ALUM	ALUMINUM
APP	APPROXIMATE
ARCH	ARCHITECT/ARCHITECTURAL
AT	AMPERES TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BG	BASE PLATE
BDC	BUILDING DISTRIBUTION CLOSET
BKBD	BACKBOARD
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CAT.	CATALOG
CAT3	CATEGORY 3 COPPER CABLE
CAT5E	CATEGORY 5E COPPER CABLE
CAT6	CATEGORY 6A COPPER CABLE
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CFF	CAP FOR FUTURE
CKT	CIRCUIT
CL	CEILING LINE
CLG	CEILING
CO	CONDUIT ONLY
CONC	CONCRETE
COND	CONDUT
CONN	CONNECT, CONNECTION
CONTR	CONTRACTOR
CTE	CONNECT TO EXISTING
CU	COPPER
DEPT	DEPARTMENT
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT (SWITCH)
DIST	DISTRIBUTION
DN	DOWN
DO	DUCT ONLY WITH #12 TW COPPER PULL WIRE OR 3/16" DIAMETER NYLON PULL ROPE.
DP	DRAWING
DWG	DRAWING
(E)	EXISTING
EA	EACH
ELECT.	ELECTRICAL
ELEV	ELEVATION
R	END-OF-LINE RESISTOR
EMERG	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EP	ELECTRICAL PANEL BOARD
EPO	EMERGENCY POWER OFF
EQ	EQUIPMENT
EQUIP	EQUIPMENT
EMP	EMERGENCY WALL PHONE
EXT	EXTERIOR
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPERES
FLR	FLOOR
FLUOR	FLUORESCENT
FO	FIBER-OPTIC CABLE
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FRPF	FIRE-PROOF
FRTD	FIRE-RETARDANT
FT	FOOT OR FEET
FUT,	FUTURE
(F)	GA
G	GROUND
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRND	GROUND
GYP	GYPSUM
HGT	HEIGHT
HDR	HORIZONTAL
HOA	HAND-OFF-AUTO SELECTOR SWITCH
HPS	HIGH PRESSURE SODIUM
HR	HOUR
HZ	HERTZ
IDC	INTERMEDIATE DISTRIBUTION CENTER
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
INCAND	INCANDESCENT
INT	INTERIOR
ISC	INTERRUPTING SHORT CIRCUIT
JB	JUNCTION BOX
KCMIL	KILO CIRCULAR MILS
KV	KILO VOLTS
KVA	KILO VOLTA AMPERES

ABBREVIATIONS	
ABBREV	DESCRIPTION
KWH	KILOWATT-HOURS
LCP	LIGHTING CONTROL PANEL
LTG	LIGHTING
LTS	LIGHTS
MA	MILLAMS
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MDC	MAIN DISTRIBUTION CENTER
MOF	MAIN DISTRIBUTION FRAME
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MANUFACTURERS LIST ONLY
MMF	MULTI MODE FIBER-OPTIC CABLE
MPOE	MINIMUM POINT OF ENTRY
MTD	MONTE D
MTG. HT.	MONTE HEIGHT
MTL	METAL
MSB	MAIN SWITCHBOARD
MSG	MAIN SWITCH GEAR
(N)	NEUTRAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OSP	OUTSIDE PLANT
PA	POLE
PDU	PUBLIC ADDRESS
PH, Ø	POWER DISTRIBUTION UNIT
PLY	PHASE
PRL	PLYWOOD
POC	POINT OF CONNECTION
(R)	RELOCATE
REC	RECEPTACLE
REF	REFERENCE
REQD	REQUIRED
RM	ROOM
RMS	ROOT MEAN SQUARE
RO	ROUGH OPENING
SCHED	SCHEDULE
SECT	SECTION
SIM	SIMILAR
SLV	SLEEVE - FOR CABLE
SMF	SINGLE MODE FIBER-OPTIC CABLE
SPCNS	SPECIFICATIONS
SPKR	SPEAKER
SURF	SURFACE
SUSP	SUSPENDED
STD	STANDARD
STOR	STORAGE
STRUC	STRUCTURAL
SW	SWITCH
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
(T)	TEMPORARY
T, TEL	TELEPHONE
TELE	TELECOMMUNICATIONS
TEMP	TEMPERATURE
TERM	TERMINATION
TMGB	TELECOMMUNICATIONS MAIN GROUND BUSBAR
TGB	TELECOMMUNICATIONS GROUND BUSBAR
THRU	THROUGH
TRANS	TRANSFORMER
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UTP	UNSHIELDED TWISTED FAIR
V	VOLTS
VA	VOLT-AMPERES
VERT	VERTICAL
VIF	VERIFY IN FIELD
VWF	VOICE WALL FRAME
W	WALL
W/	WITH
WO	WITHOUT
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WP	WATERPROOF
WM	WIRE MANAGER

LEGEND	
SYMBOL	DESCRIPTION
	SECTION A / SHEET T1
	CAP
	CONDUIT CONTINUED
	CONDUIT DOWN
	CONDUIT UP
	CONDUIT RISE OR DROP
	J-HOOK
	HORIZONTAL SLEEVE
	VERTICAL SLEEVE

RESPONSIBILITY MATRIX				
ITEM	GC	EC	CC	SCVM
INFRASTRUCTURE				X
INTRABUILDING TELECOM FIBER				X
INTER-BUILDING TELECOM CONDUIT ID LABELING, PLASTIC BUSHINGS AND PULL-STRINGS	X			
MDF / IDF / DC CABLE TERMINATION HARDWARE			X	
MDF / IDF / DC ROOM CABLE MANAGEMENT HARDWARE			X	
MDF / IDF / DC ROOM POWER			X	
COPPER AND FIBER TESTING / LABELING		X		
FIBER BACKBONE PATCHING		X		
COPPER BACKBONE CROSS-CONNECTING		X		
NETWORK CUT OVER		X		
J-HOOKS	X			
CABLE TRAY	X			
EZ - PATH	X			
NEW CONDUIT	X			
NEW MAXCELL FIBER INNERDUCT				
GC = GENERAL CONTRACTOR				
EC = ELECTRICAL CONTRACTOR				
CC = COMMUNICATIONS CONTRACTOR				
SCVM = SANTA CLARA VALLEY MEDICAL COUNTY IT				

GENERAL NOTES	
1.	ALL WORK SHALL COMPLY WITH ANSI/TIA/EIA 568-C.1 COMMERCIAL BUILDING COMMUNICATIONS CABLING STANDARD AND 569, 606 AND 607.
2.	ALL INSTALLATIONS SHALL COMPLY WITH ANSI/EIA/TIA-568C, 569 AND 606 AND ALL APPLICABLE LOCAL CODES.
3.	REFER TO ELECTRICAL PLANS FOR NEW INCOMING CONDUIT PATHWAYS.
4.	REFER TO COMMUNICATION PLAN FOR TYPICAL OUTLET CONFIGURATION (UNLESS NOTED OTHERWISE).
5.	ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL OTHER APPLICABLE FEDERAL STATE AND LOCAL CODES, WHERE THE CONSTRUCTION DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS, THE CONSTRUCTION DOCUMENTS SHALL GOVERN BUT THE CONSTRUCTION DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION.
6.	IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS AND/OR SPECIFICATIONS OR WITH CODE REQUIREMENTS, THE NOTE, SPECIFICATION OR CODE WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR THE HIGHER STANDARD SHALL PREVAIL.
7.	ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE UNDERWRITERS LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
8.	CONTRACTOR SHALL COMPLY WITH THE STATE HANDICAP LAWS WITH REGARD TO THE FOLLOWING MOUNTING HEIGHTS FOR COMMUNICATIONS OUTLETS: NO OUTLET SHALL BE MOUNTED ON A WALL AT LESS THAN 15" AFF OR MORE THAN 48" AFF.
9.	THE OWNER AND/OR OWNER REPRESENTATIVE IS TO BE NOTIFIED OF ANY CHANGE TO DRAWINGS OR SPECIFICATIONS IN WRITING CAUSED BY FIELD CONDITION CONFLICTS.
10.	ALL PENETRATIONS THROUGH FIRE RATED WALLS MUST BE FIRE STOPPED USING THE APPROPRIATE APPROVED (UL CLASSIFIED) FIRE STOPPING MATERIAL, THIS SHALL INCLUDE BUT NOT BE LIMITED TO WALL, FLOOR, CEILING PENETRATIONS AND CONDUITS, SLEEVES, SLOTS OR CABLE.
11.	ANY DEVIATIONS FROM DRAWINGS OR SPECIFICATIONS ARE TO BE APPROVED BY OWNER IN WRITING PRIOR TO CHANGING ANY DEVIATION DONE WITHOUT WRITTEN APPROVAL IS DONE AT THE RISK AND COST OF CONTRACTOR.
12.	COORDINATION ITEMS: A. COORDINATE LOCATION OF ALL CONDUITS, SLEEVES, J-HOOKS AND CABLE TRAY BEING USED FOR STRUCTURED CABLING SYSTEM.

TECHNOLOGY - SHEET LIST	
Sheet Number	Sheet Name
T001.0	TECHNOLOGY LEGEND AND ABBREVIATIONS
T002.1	FIBER / COPPER SCHEDULE
T101.1	TECHNOLOGY SITE PLAN
T101.2	MED GAS
T201.1	BUILDING M - TECHNOLOGY PATHWAY - BASEMENT
T202.1	BUILDING A - TECHNOLOGY PATHWAY - BASEMENT
T202.2	BUILDING A - TECHNOLOGY PATHWAY - LEVEL 01
T203.1	BUILDING K - TECHNOLOGY PATHWAY - BASEMENT
T203.2	BUILDING K - TECHNOLOGY PATHWAY - LEVEL 01
T203.3	BUILDING K - TECHNOLOGY PATHWAY - LEVEL 02
T203.4	BUILDING K - TECHNOLOGY PATHWAY - LEVEL 03
T203.5	BUILDING K - TECHNOLOGY PATHWAY - LEVEL 04
T204.1	BUILDING B - TECHNOLOGY PATHWAY - BASEMENT
T204.2	BUILDING B - TECHNOLOGY PATHWAY - LEVEL 01
T204.3	BUILDING B - TECHNOLOGY PATHWAY - LEVEL 02
T204.4	BUILDING B - TECHNOLOGY PATHWAY - LEVEL 03
T205.1	BUILDING E - TECHNOLOGY PATHWAY - BASEMENT
T205.2	BUILDING E - TECHNOLOGY PATHWAY - LEVEL 01
T206.1	BUILDING F - TECHNOLOGY PATHWAY - BASEMENT
T206.2	BUILDING F - TECHNOLOGY PATHWAY - LEVEL 01
T20	

### FIBER PULL SCHEDULE

Building E - Floor	Source/IDF - End A	Destination/IDF - End B	Fiber Grade	Fiber Type	Strand Count	Connector	Cable ID No. Refer to Sheet T101.1	Estimated Distance for Bidding
E-1st	A - Sobrato DC	E-Rehab / 1E056	Singlemode OS2	Indoor/Outdoor	48	LC-LC	7	1402'
E-1st	A - Sobrato DC	E-Rehab / 1E056	Multimode OM4	Indoor/Outdoor	48	LC-LC	7	1402'
E-1st	H - AOB DC / 1H106	E-Rehab / 1E056	Singlemode OS2	Indoor/Outdoor	24	LC-LC	19	3180'
<b>Building K - Floor</b>	<b>Source/IDF - End A</b>	<b>Destination/IDF - End B</b>	<b>Fiber Grade</b>	<b>Fiber Type</b>	<b>Strand Count</b>	<b>Connector</b>	<b>Cable ID No. Refer to Sheet T101.1</b>	<b>Estimated Distance for Bidding</b>
K-Basement	A - Sobrato DC / BATD01	K - West Wing / BKTD03	Singlemode OS2	Indoor/Outdoor	48	LC-LC	5	626'
K-Basement	A - Sobrato DC / BATD01	K - West Wing / BKTD03	Multimode OM4	Indoor/Plenum	48	LC-LC	5	626'
K-Basement	H - AOB DC / 1H106	K - West Wing / BKTD03	Singlemode OS2	Indoor/Outdoor	24	LC-LC	1	2299'
K-1st	K - West Wing / BKTD03	K - West Wing / BKTD05	Singlemode OS2	Indoor/Plenum	12	LC-LC	WITHIN THE SAME BUILDING	50'
K-1st	K - West Wing / BKTD05	K - West Wing / BKTD05	Multimode OM4	Indoor/Plenum	12	LC-LC	WITHIN THE SAME BUILDING	50'
K-2nd	K - West Wing / BKTD05	K - West Wing / BKTD05	Singlemode OS2	Indoor/Plenum	12	LC-LC	WITHIN THE SAME BUILDING	100'
K-2nd	K - West Wing / BKTD05	K - West Wing / BKTD05	Multimode OM4	Indoor/Plenum	12	LC-LC	WITHIN THE SAME BUILDING	100'
K-3rd	K - West Wing / BKTD03	K - West Wing / BKTD05	Singlemode OS2	Indoor/Plenum	12	LC-LC	WITHIN THE SAME BUILDING	150'
K-3rd	K - West Wing / BKTD03	K - West Wing / BKTD05	Multimode OM4	Indoor/Plenum	12	LC-LC	WITHIN THE SAME BUILDING	150'
K-4th	K - West Wing / BKTD03	K - West Wing / BKTD05	Singlemode OS2	Indoor/Plenum	12	LC-LC	WITHIN THE SAME BUILDING	200'
K-4th	K - West Wing / BKTD03	K - West Wing / BKTD05	Multimode OM4	Indoor/Plenum	12	LC-LC	WITHIN THE SAME BUILDING	200'
<b>Building B - Floor</b>	<b>Source/IDF - End A</b>	<b>Destination/IDF - End B</b>	<b>Fiber Grade</b>	<b>Fiber Type</b>	<b>Strand Count</b>	<b>Connector</b>	<b>Cable ID No. Refer to Sheet T101.1</b>	<b>Estimated Distance for Bidding</b>
B-2nd	A - Sobrato DC	B-2 / 2B003	Singlemode OS2	Armed Plenum	48	LC-LC	6	353'
B-2nd	A - Sobrato DC	B-2 / 2B003	Multimode OM4	Armed Plenum	48	LC-LC	6	353'
B-Basement	B-2 / 2B003	B-8 / BBTD01	Singlemode OS2	Armed Plenum	12	LC-LC	WITHIN THE SAME BUILDING	100'
B-Basement	B-2 / 2B003	B-8 / BBTD01	Multimode OM4	Armed Plenum	12	LC-LC	WITHIN THE SAME BUILDING	100'
B-1st	B-2 / 2B003	B-1 / 1BT001	Singlemode OS2	Armed Plenum	12	LC-LC	WITHIN THE SAME BUILDING	100'
B-3rd	B-2 / 2B003	B-3 / 3BT002	Singlemode OS2	Armed Plenum	12	LC-LC	WITHIN THE SAME BUILDING	50'
B-3rd	B-2 / 2B003	B-3 / 3BT002	Multimode OM4	Armed Plenum	12	LC-LC	WITHIN THE SAME BUILDING	50'
<b>Building M - Floor</b>	<b>Source/IDF - End A</b>	<b>Destination/IDF - End B</b>	<b>Fiber Grade</b>	<b>Fiber Type</b>	<b>Strand Count</b>	<b>Connector</b>	<b>Cable ID No. Refer to Sheet T101.1</b>	<b>Estimated Distance for Bidding</b>
M-Basement - Primary	A - Sobrato DC	M - NOC / BMTD01	Singlemode OS2	Indoor/Outdoor	96	LC-LC	3	1490'
M-Basement - Secondary	A - Sobrato DC	M - NOC / BMTD01	Singlemode OS2	Armed Plenum	96	LC-LC	4	614'
<b>Building S - Floor</b>	<b>Source/IDF - End A</b>	<b>Destination/IDF - End B</b>	<b>Fiber Grade</b>	<b>Fiber Type</b>	<b>Strand Count</b>	<b>Connector</b>	<b>Cable ID No. Refer to Sheet T101.1</b>	<b>Estimated Distance for Bidding</b>
Energy Plant	M - NOC BMTD1	S - Energy Plant / 1S005	Singlemode OS2	Indoor/Outdoor	24	LC-LC	2	1528'
Energy Plant	M - NOC BMTD1	S - Energy Plant / 1S005	Multimode OM4	Indoor/Outdoor	24	LC-LC	2	1528'
<b>Building U - Floor</b>	<b>Source/IDF - End A</b>	<b>Destination/IDF - End B</b>	<b>Fiber Grade</b>	<b>Fiber Type</b>	<b>Strand Count</b>	<b>Connector</b>	<b>Cable ID No. Refer to Sheet T101.1</b>	<b>Estimated Distance for Bidding</b>
U-1st	M - NOC BMTD1	U-1st	Singlemode OS2	Indoor/Outdoor	12	LC-LC	1403'	
U-1st	M - NOC BMTD1	U-1st	Multimode OM4	Indoor/Outdoor	12	LC-LC	2	1403'
<b>Building V - Floor</b>	<b>Source/IDF - End A</b>	<b>Destination/IDF - End B</b>	<b>Fiber Grade</b>	<b>Fiber Type</b>	<b>Strand Count</b>	<b>Connector</b>	<b>Cable ID No. Refer to Sheet T101.1</b>	<b>Estimated Distance for Bidding</b>
V-1st	M - NOC BMTD1	V-1st	Singlemode OS2	Indoor/Outdoor	12	LC-LC	2	1313'
V-1st	M - NOC BMTD1	V-1st	Multimode OM4	Indoor/Outdoor	12	LC-LC	2	1313'
<b>Building 828 - Floor</b>	<b>Source/IDF - End A</b>	<b>Destination/IDF - End B</b>	<b>Fiber Grade</b>	<b>Fiber Type</b>	<b>Strand Count</b>	<b>Connector</b>	<b>Cable ID No. Refer to Sheet T101.1</b>	<b>Estimated Distance for Bidding</b>
828 S. Bascom, 1st	F - Rehab / 1E056	828 S. Bascom / 121AB	Singlemode OS2	Indoor/Outdoor	24	LC-LC	8	724'
<b>Building J - Floor</b>	<b>Source/IDF - End A</b>	<b>Destination/IDF - End B</b>	<b>Fiber Grade</b>	<b>Fiber Type</b>	<b>Strand Count</b>	<b>Connector</b>	<b>Cable ID No. Refer to Sheet T101.1</b>	<b>Estimated Distance for Bidding</b>
Central Mental Health	E - Rehab / 1E056	J - CMH / 1JTD02	Singlemode OS2	Indoor/Outdoor	24	LC-LC	11	825'
Central Mental Health	E - Rehab / 1E056	J - CMH / 1JTD02	Multimode OM4	Indoor/Outdoor	24	LC-LC	11	825'
<b>Building G - Floor</b>	<b>Source/IDF - End A</b>	<b>Destination/IDF - End B</b>	<b>Fiber Grade</b>	<b>Fiber Type</b>	<b>Strand Count</b>	<b>Connector</b>	<b>Cable ID No. Refer to Sheet T101.1</b>	<b>Estimated Distance for Bidding</b>
Barbara Arons Pavilion	E - Rehab / 1E056	G - BAP / 1G192	Singlemode OS2	Indoor/Outdoor	24	LC-LC	10	413'
Barbara Arons Pavilion	E - Rehab / 1E056	G - BAP / 1G192	Multimode OM4	Indoor/Outdoor	24	LC-LC	10	413'
<b>Building F - Floor</b>	<b>Source/IDF - End A</b>	<b>Destination/IDF - End B</b>	<b>Fiber Grade</b>	<b>Fiber Type</b>	<b>Strand Count</b>	<b>Connector</b>	<b>Cable ID No. Refer to Sheet T101.1</b>	<b>Estimated Distance for Bidding</b>
F-Basement	E - Rehab / 1E056	F-Services / BF1006	Singlemode OS2	Indoor/Outdoor	24	LC-LC	9	172'
F-Basement	E - Rehab / 1E056	F-Services / BF1006	Multimode OM4	Indoor/Outdoor	24	LC-LC	9	172'
F-1 (Kitchen)	E - Rehab / 1E056	F-Services / F1051	Singlemode OS2	Indoor/Outdoor	24	LC-LC	9	96'
F-1 (Kitchen)	E - Rehab / 1E056	F-Services / F1051	Multimode OM4	Indoor/Outdoor	24	LC-LC	9	96'

### COPPER DEMO

Source/IDF - End A	Destination/IDF - End B	Cable	Pair
BCTD01	4CTD01	COPPER	100 PAIR
BCTD01	5CTD01	COPPER	100 PAIR
3CTD01	2CTD01	COPPER	25 PAIR

### FIBER DEMO

Source - End A	Destination - End B	Cable Type	Strand Count
Building C	Building E	MM FIBER	(2) 12-STRAND
Building C	Building H	SM FIBER	(1) 24-STRAND
Building C	Building S	MM FIBER	(1) 6-STRAND
Building C	Building K	MM FIBER	(4) 12-STRAND
Building C	Building B	MM FIBER	(2) 48-STRAND
Building C	Building B	MM FIBER	(2) 12-STRAND
Building C	Building M	MM FIBER	(1) 48-STRAND
Building C	Building M	SM FIBER	(1) 12-STRAND
Building B	Building E	MM FIBER	(1) 12-STRAND
Building B	Building S	MM FIBER	(1) 12-STRAND
Building B	828 S. Bascom	MM FIBER	(1) 12-STRAND

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Headquarters:  
412 Main Street  
Wheatland, CA 95692



### COPPER PULL SCHEDULE

Source	Destination	Cable	Pairs	Connector Type	Cable ID No. Refer To sheet T101.1	Estimated distance for bidding
Building - S	Building - M (BMTD4)	Copper	50	110	2	1513'
Building - S	Building - Q (BQTD1)	Copper	50	110	2	1518'
Building - F	Building - K Basement (BKTD03)	Copper	200	110	17	3120'
Building - E	Building - M (BMTD4)	Copper	200	110	20	2234'
Building - E	Building - K (BKTD03)	Copper	400	110	14	2348'
Building - G	Building - K (BKTD03)	Copper	100	110	15	3045'
Building - J	Building - Q (BQTD1)	Copper	50	110	12	1937'
Building - J	Building - M (BMTD4)	Copper	50	110	16	2792'
Building - E	Building - A	Copper	4	110		1500'
Building - A	Building - S	Copper	200	110		500'

### COAX PULL SCHEDULE

Source	Destination	Cable
Building - E	Building - A	RG11

KEY PLAN

<img alt="Site plan diagram showing building foot



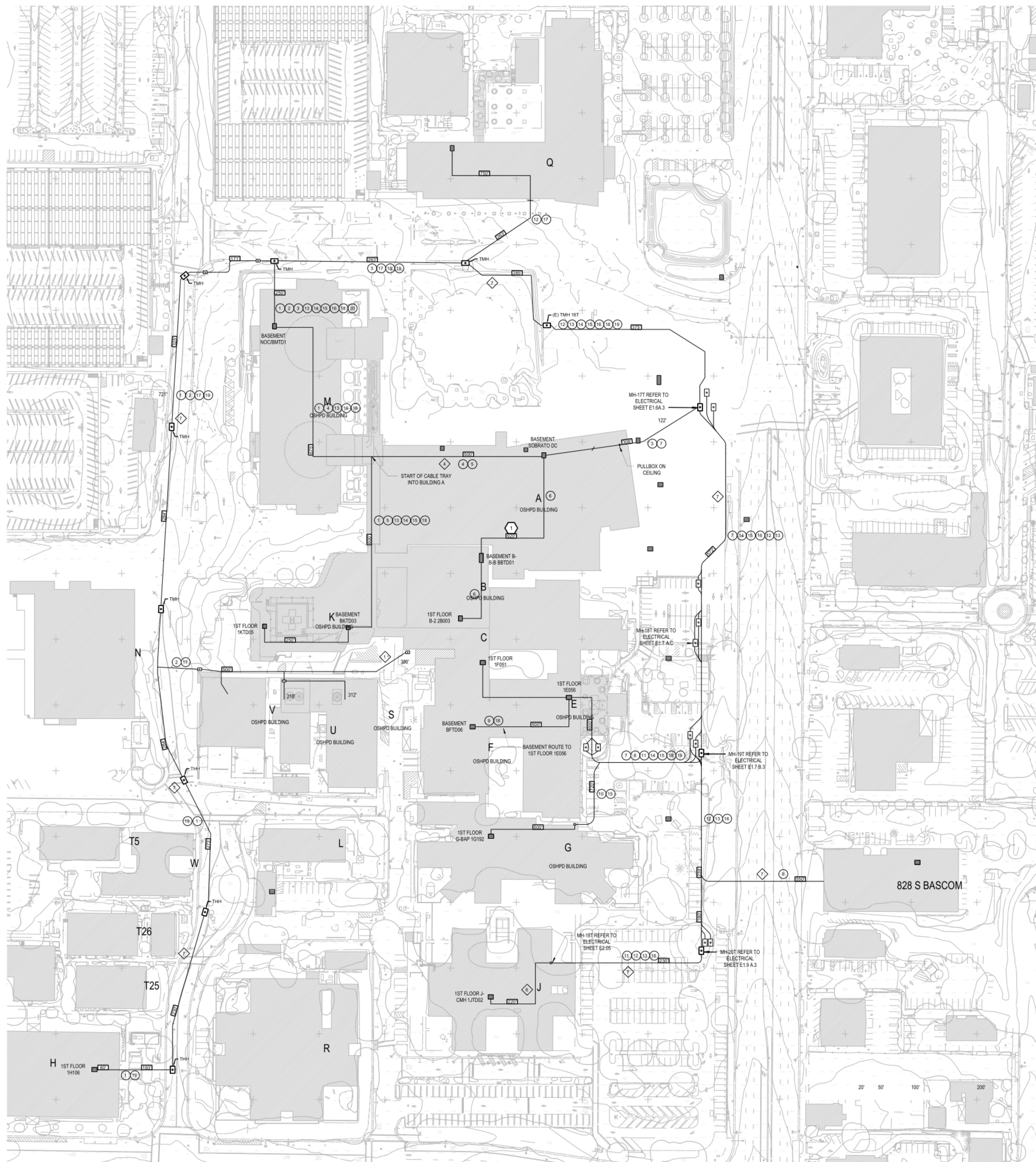
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**WALKER**  
TELECOMM, INC.



WALKER SHEET NOTE

PATHWAY TRAVELS FROM BUILDING A BASEMENT (AB) UP TO BUILDING A THIRD FLOOR (B3) ACROSS TO BUILDING B THIRD (B3), AND BACK DOWN TO BUILDING B BASEMENT (BB).  
I.E. PATHWAY: AB → A3 → B3 → BB

WALKER FOOTAGE SUMMARY

	PATHWAY ID	DISTANCE (FT)
BUILDING K-B-BKTD03 TO BUILDING H AOB DC 1H106	(1)	
BUILDING M NOC BMTD1 TO BUILDING V	(2)	
BUILDING M NOC BMTD1 TO BUILDING U	(2)	
BUILDING M NOC BMTD1 TO BUILDING S	(2)	
BUILDING M NOC BMTD1 TO BUILDING A A B81 DC BATD01 PRIMARY	(3)	
BUILDING M NOC BMTD1 TO BUILDING AA B81 DC BATD01 SECONDARY	(4)	
BUILDING K-B-BKTD03 TO BUILDING A B81 DC BATD01	(5)	
BUILDING A B81 DC BATD01 TO BUILDING B-B-BBTD01	(6)	
BUILDING A B81 DC BATD01 TO BUILDING E 1E056	(7)	
BUILDING E 1E056 TO BUILDING 828 BASCOM	(8)	
BUILDING E 1E056 TO BUILDING F BFTD06	(9)	
BUILDING E 1E056 TO BUILDING G 1F051	(9)	
BUILDING E 1E056 TO BUILDING G 1G192	(10)	
BUILDING E 1E056 BUILDING J 1JTD02	(11)	
BUILDING J 1JTD02 TO BUILDING Q	(12)	
BUILDING K-B-BKTD03 TO BUILDING J 1JTD02	(13)	
BUILDING K-B-BKTD03 TO BUILDING E 1E056	(14)	
BUILDING K-B-BKTD03 TO BUILDING G 1G192	(15)	
BUILDING M NOC BMTD1 TO BUILDING S	(2)	
BUILDING M NOC BMTD1 TO BUILDING J 1JTD02	(16)	
BUILDING Q TO BUILDING S	(17)	
BUILDING K TO BUILDING F	(18)	
BUILDING H AOB DC 1H106 TO BUILDING E 1E056	(19)	
BUILDING E 1E056 TO BUILDING M NOC BMTD1	(20)	

BID SET FOOTAGE SUMMARY

	PATHWAY ID	DISTANCE (FT)
BUILDING K-B-BKTD03 TO BUILDING H AOB DC 1H106	(1)	229'
BUILDING M NOC BMTD1 TO BUILDING V	(2)	1313'
BUILDING M NOC BMTD1 TO BUILDING U	(2)	1403'
BUILDING M NOC BMTD1 TO BUILDING S	(2)	1523'
BUILDING M NOC BMTD1 TO BUILDINGS A A B81 DC BATD01 PRIMARY	(3)	1490'
BUILDING M NOC BMTD1 TO BUILDING A A B81 DC BATD01 SECONDARY	(4)	614'
BUILDING K-B-BKTD03 TO BUILDING A B81 DC BATD01	(5)	626'
BUILDING A B81 DC BATD01 TO BUILDING B-B-BBTD01	(6)	353'
BUILDING M NOC BMTD1 TO BUILDING E 1E056	(7)	1402'
BUILDING E 1E056 TO BUILDING 828 BASCOM	(8)	724'
BUILDING E 1E056 TO BUILDING F BFTD06	(9)	172'
BUILDING E 1E056 TO BUILDING G 1F051	(9)	96'
BUILDING E 1E056 TO BUILDING G 1G192	(10)	413'
BUILDING E 1E056 BUILDING J 1JTD02	(11)	825'
BUILDING J 1JTD02 TO BUILDING Q	(12)	1737'
BUILDING K-B-BKTD03 TO BUILDING J 1JTD02	(13)	2283'
BUILDING K-B-BKTD03 TO BUILDING E 1E056	(14)	2148'
BUILDING K-B-BKTD03 TO BUILDING G 1G192	(15)	2845'
BUILDING M NOC BMTD1 TO BUILDING S	(2)	1523'
BUILDING M NOC BMTD1 TO BUILDING J 1JTD02	(16)	2592'
BUILDING Q TO BUILDING S	(17)	1708'
BUILDING K TO BUILDING F	(18)	2920'
BUILDING H AOB DC 1H106 TO BUILDING E 1E056	(19)	3180'
BUILDING E 1E056 TO BUILDING M NOC BMTD1	(20)	2034'

- ◊ FUTURE TO NEW BUILDING C - NOT USED.
- ◊ ARMORED PLENUM RATED.
- ◊ PLENUM INDOOR/OUTDOOR RATED.
- ◊ AVAILABLE CABLE TRAY ROUTE.
- ◊ NEW J-HOOK ROUTE.
- ◊ CONDUIT ROUTE.
- ◊ NORTH UTILITY LOOP TELECOMMUNICATIONS.



PROJECT  
SANTA CLARA VALLEY  
MEDICAL CENTER  
NORTH UTILITY  
LOOP  
EXTENSION

SHEET TITLE  
TECHNOLOGY SITE PLAN

SUBMITTAL  
ISSUE FOR BID

SCALE  
As indicated

DATE

PROJECT NO.  
1908

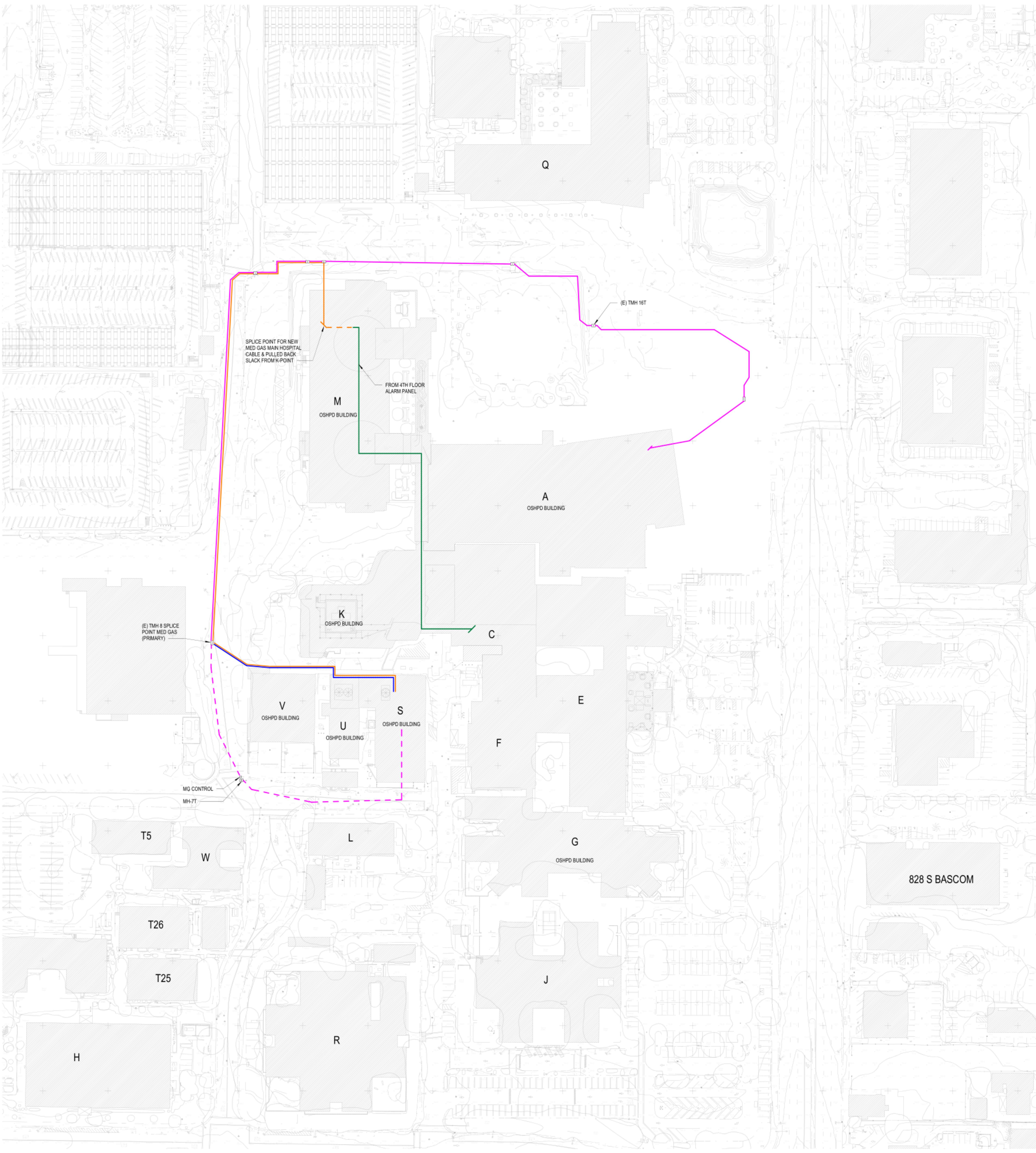
PERMIT NO.  
S192512-43-00-ACD0003

CAD FILE NAME: T101-1.DWG

DRAWING NO.

T101.1

SHT. NO. 3 OF 28



SHEET NOTES:

MED GAS LEGEND	
	EXISTING MED GAS TO SOBRATO (PRIMARY)
	EXISTING MED GAS TO BE DEMOLISHED SOBRATO (PRIMARY)
	NEW MED GAS TO SOBRATO (PRIMARY)
	NEW MED GAS CABLING ROUTE (MAIN HOSPITAL)
	EXISTING MED GAS PULLED BACK FROM K-LINK TO BE SPLICED
	EXISTING MED GAS TO BE DEMOLISHED (MAIN HOSPITAL)

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Nevada: Bay Area: Nevada: Bay Area:

8521 White Fir Street Unit C1-A 835 Arnold Drive Suite #104/Bay 1 Wheatland, CA 95692 Martinez, CA 94553

Headquarters: Sacramento Area:

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PROJECT  
SANTA CLARA VALLEY  
MEDICAL CENTER  
NORTH UTILITY  
LOOP  
EXTENSION

SHEET TITLE  
MED GAS

SUBMITTAL  
ISSUE FOR BID

SCALE  
As indicated

DATE

PROJECT NO.  
1908

PERMIT NO.  
S192512-43-00-ACD003

CAD FILE NAME:  
x\_1908-bdr ACD03\_30x42.dwg

DRAWING NO.

T101.2

SHT. NO.  
OF

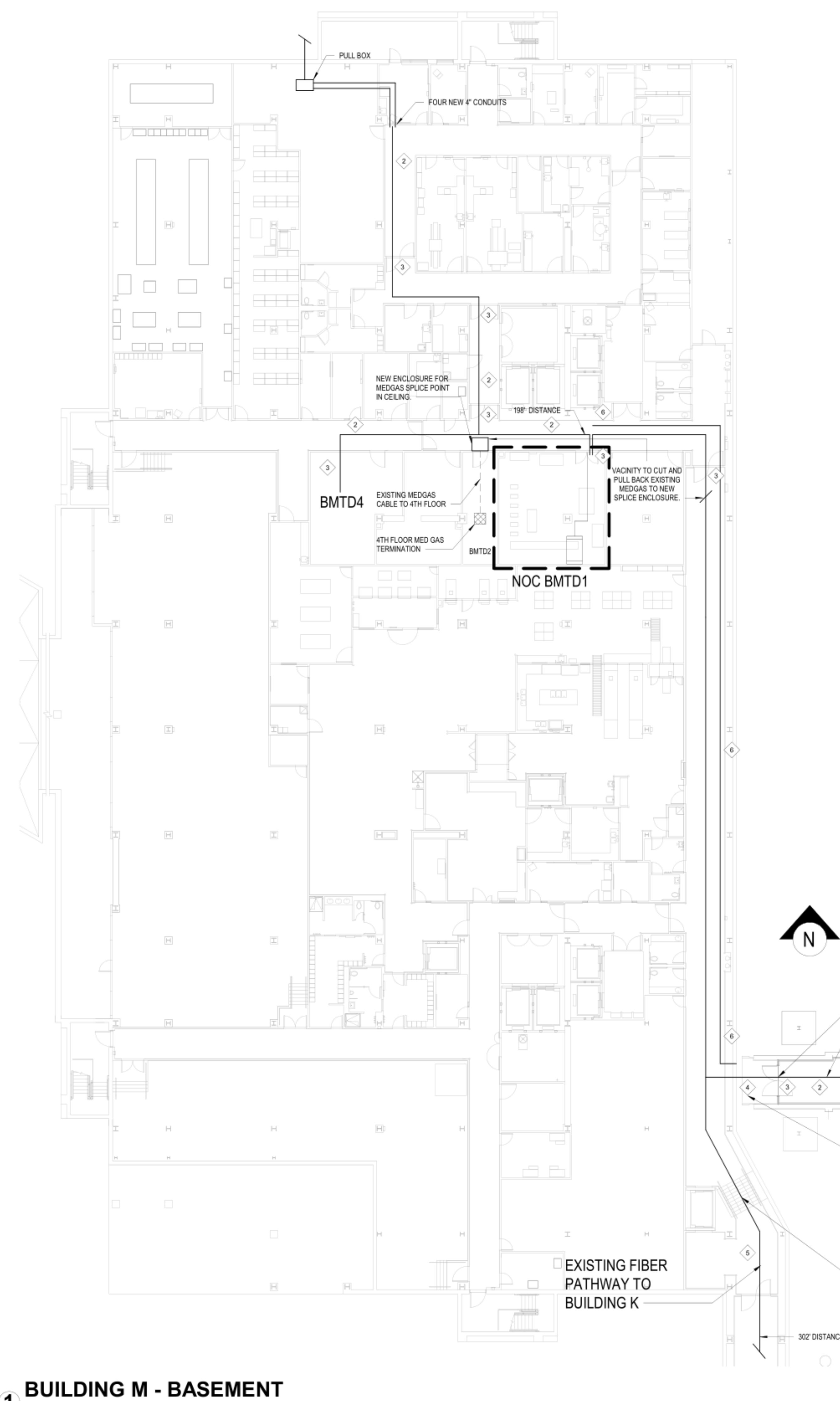
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Cuschieri Horton  
Architects

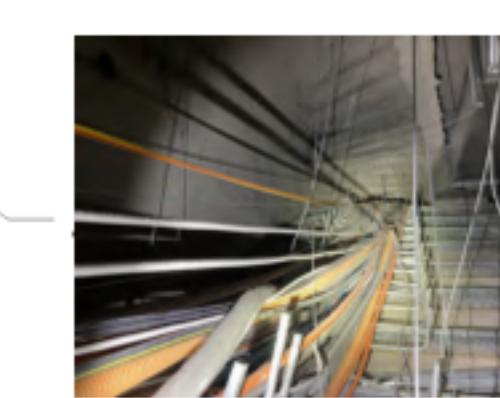
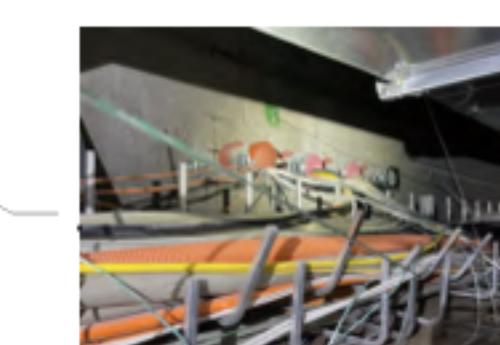
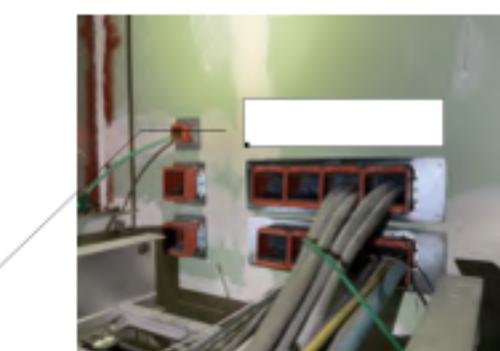
**WALKER**  
TELECOMM, INC.

#### GENERAL NOTES:

1. MED GAS CABLE RELOCATION TO BE COORDINATED WITH GC AND FS MEDICAL. THE LOW VOLTAGE CONTRACTOR MUST PROVIDE PLANNED EXECUTION OF MED GAS RELOCATION PROCESS TO GC, SCVMC AND FS MEDICAL. ADDITIONAL INFORMATION NOTED IN DIVISION 27 COPPER BACKBONE SPECIFICATIONS.
2. MED GAS SPLICE BOX SIZING TO BE VERIFIED BY FS MEDICAL FOR ADEQUATE SPLICE TERMINATIONS.



**① BUILDING M - BASEMENT**  
1/16" = 1'-0"



#### SHEET NOTES:

- ① EXISTING 4" CONDUIT
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.

KEY PLAN	
PROJECT	SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION
SHEET TITLE	BUILDING M - TECHNOLOGY PATHWAY - BASEMENT
SUBMITTAL	ISSUE FOR BID
SCALE	As indicated
DATE	
PROJECT NO.	1908
PERMIT NO.	S192512-43-00-ACD003
CAD FILE NAME:	x_1908-bdr ACD03_30x42.dwg
DRAWING NO.	T201.1
SHT.NO.	4
OF	28

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**WALKER**  
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GENERAL NOTES:

*Bryant Horton*  
**C**  
Cuschieri Horton  
Architects



**1 BUILDING A - BASEMENT**  
1/16" = 1'-0"

SHEET NOTES:

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.

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KEY PLAN	
PROJECT	SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION
SHEET TITLE	BUILDING A - TECHNOLOGY PATHWAY - BASEMENT
SUBMITTAL	ISSUE FOR BID
SCALE	1/16" = 1'-0"
DATE	
PROJECT NO.	1908
PERMIT NO.	S192512-43-00-ACD003
CAD FILE NAME:	x_1908-bdr ACD03_30x42.dwg
DRAWING NO.	T202.1
SHT. NO.	6 OF 28

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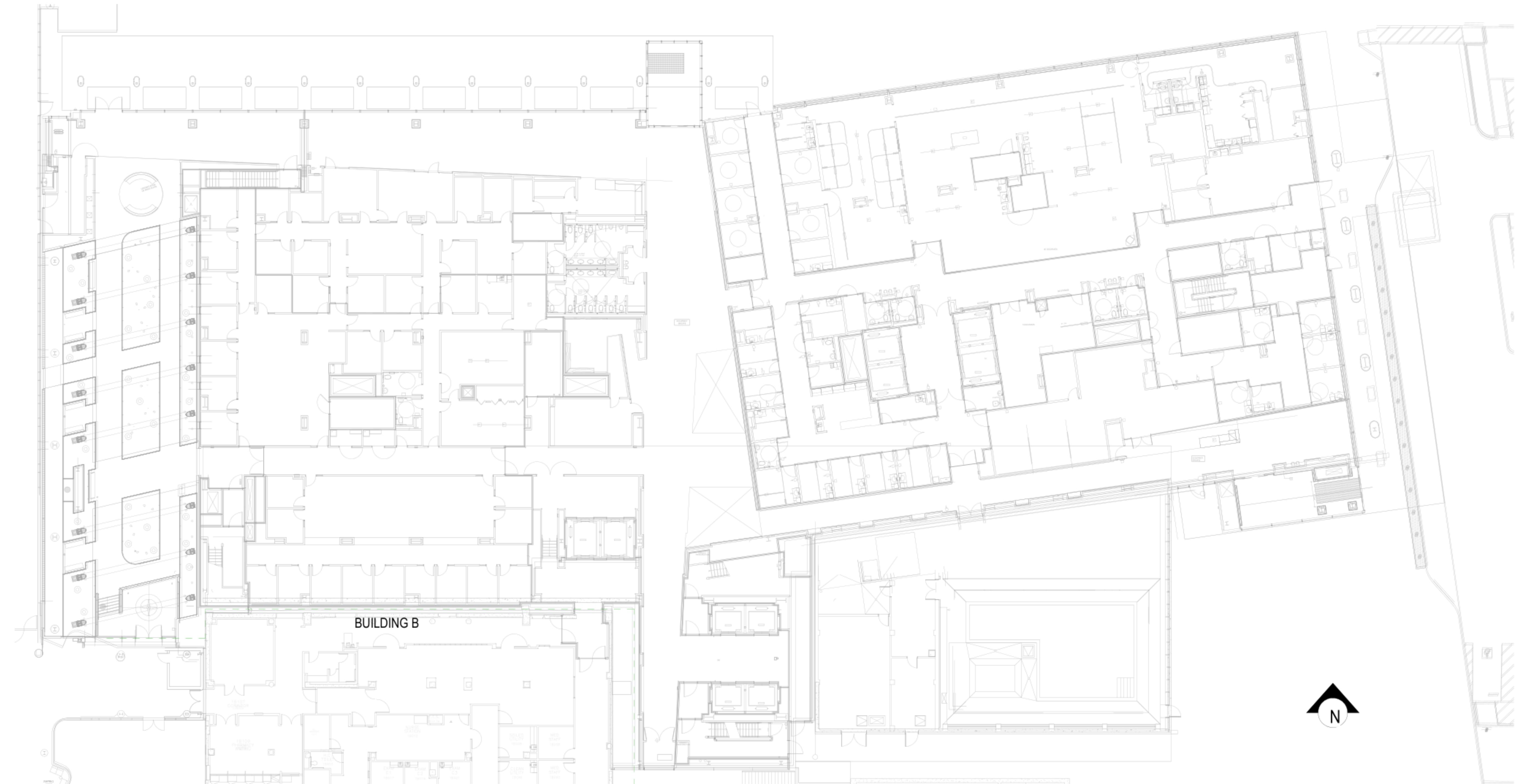
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PROJECT  
SANTA CLARA VALLEY  
MEDICAL CENTER  
NORTH UTILITY  
LOOP  
EXTENSION

Sheet Title  
BUILDING A - TECHNOLOGY PATHWAY - LEVEL  
01

Submittal  
ISSUE FOR BID

Scale  
1/16" = 1'-0"

Date

Project No.  
1908

Permit No.  
S192512-43-00-ACD003

CAD File Name: X\_1908-bdr ACD03\_30x42.dwg

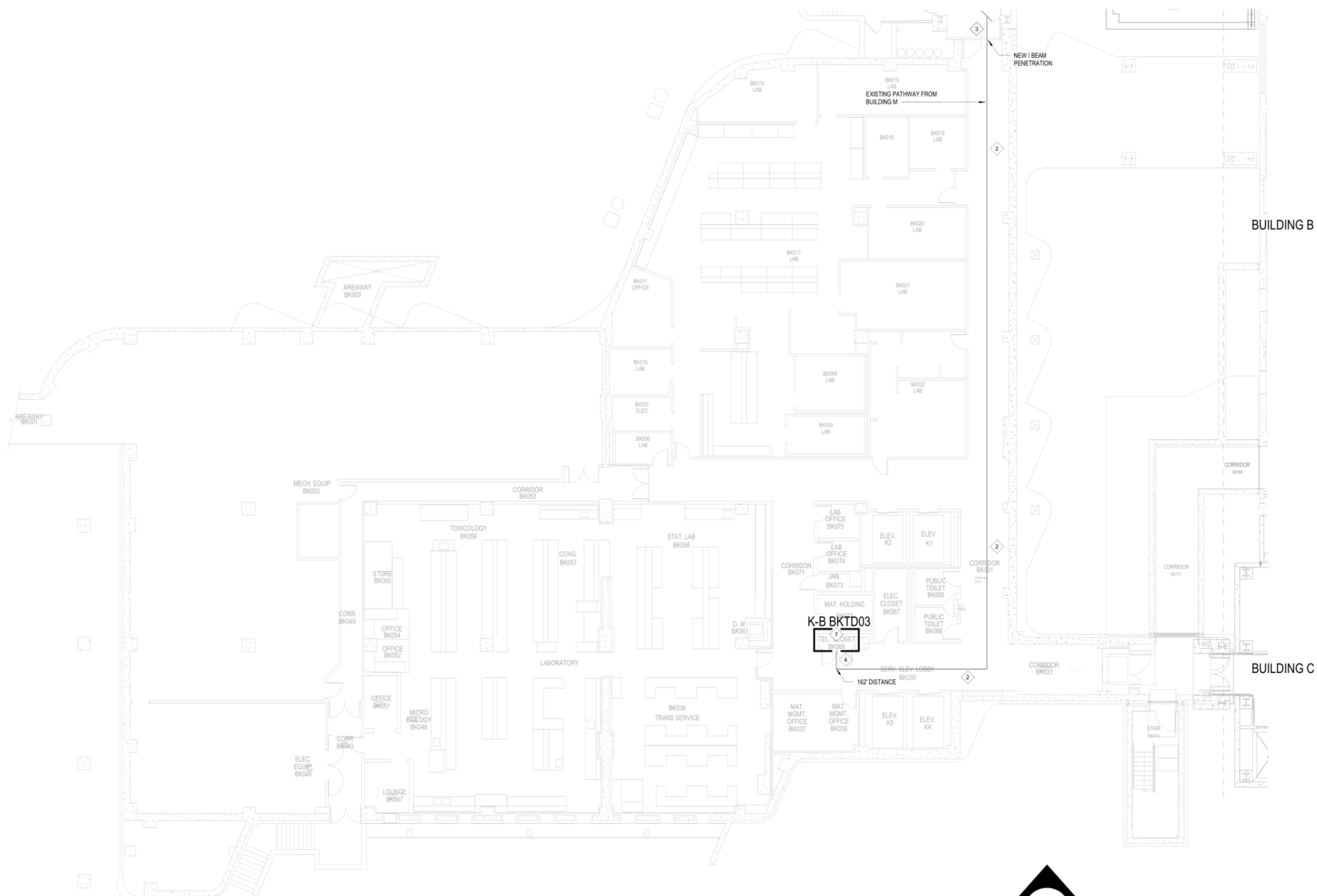
Drawing No.

T202.2

Sht. No.  
7 OF 28

GENERAL NOTES:

*Bryant Horton*  
Cuschieri Horton  
Architects



**1 BUILDING K - BASEMENT**  
**1" = 10'-0"**

SHEET NOTES:

- ◆ EXISTING 4" CONDUIT.
- ◆ EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ◆ NEW EZ-PATH.
- ◆ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ◆ EXISTING PATHWAY - NEW J-HOOKS.
- ◆ NEW 18" X 4" CABLE TRAY.
- ◆ 4" SLEEVE TO BKTD05

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**WALKER**  
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KEY PLAN	
PROJECT	
SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION	
SHEET TITLE	BUILDING K - TECHNOLOGY PATHWAY - BASEMENT
SUBMITTAL	ISSUE FOR BID
SCALE	1" = 10'-0"
DATE	
PROJECT NO.	1908
PERMIT NO.	S192512-43-00-ACD003
CAD FILE NAME:	x_1908-bdr ACD03_30x42.dwg
DRAWING NO.	T203.1
SHT. NO.	8
OF	28

GENERAL NOTES:



Cuschieri Horton  
Architects



SHEET NOTES:

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.

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**PROJECT**  
**SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION**

**SHEET TITLE**  
**BUILDING K - TECHNOLOGY PATHWAY - LEVEL 01**

**SUBMITTAL** ISSUE FOR BID  
**SCALE** 1" = 10'-0"

**DATE**

**PROJECT NO.** 1908

**PERMIT NO.** S192512-43-00-ACD003

**CAD FILE NAME:** x\_1908-bdr ACD03\_30x42.dwg

**DRAWING NO.**

**T203.2**

**SHT. NO.** 9 **OF** 28

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## GENERAL NOTES:

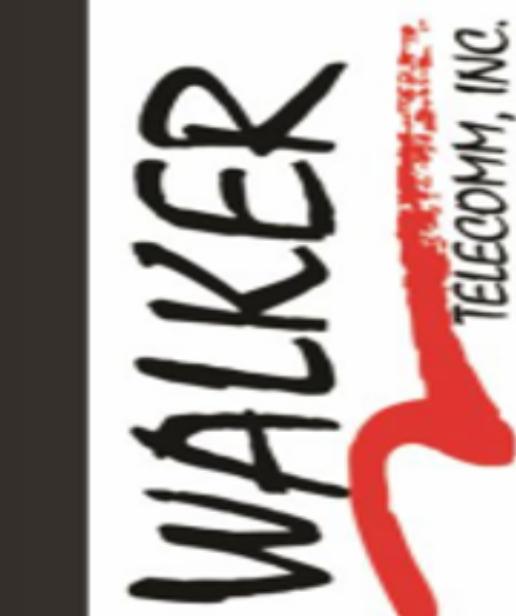
The logo consists of a large black stylized letter 'C' with a white vertical bar through it. To the left of the 'C' is a blue signature-style 'B' and 'H' followed by 'Horton'. A blue line extends from the top of the 'C' down to the right.

**1 BUILDING K - LEVEL 02**

**1** 1" = 10'-0"

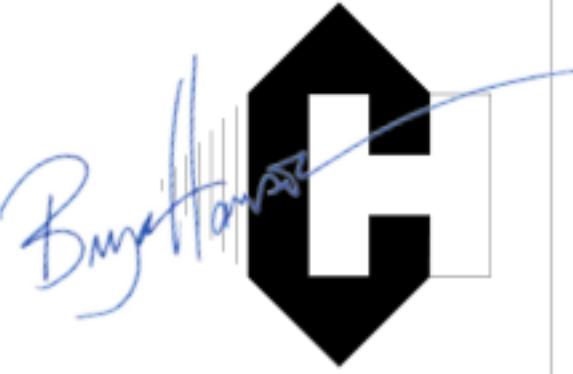
- SHEET NOTES:**

  - ◆ 1 EXISTING 4" CONDUIT.
  - ◆ 2 EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
  - ◆ 3 NEW EZ-PATH.
  - ◆ 4 EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
  - ◆ 5 EXISTING PATHWAY - NEW J-HOOKS.
  - ◆ 6 NEW 18" X 4" CABLE TRAY.

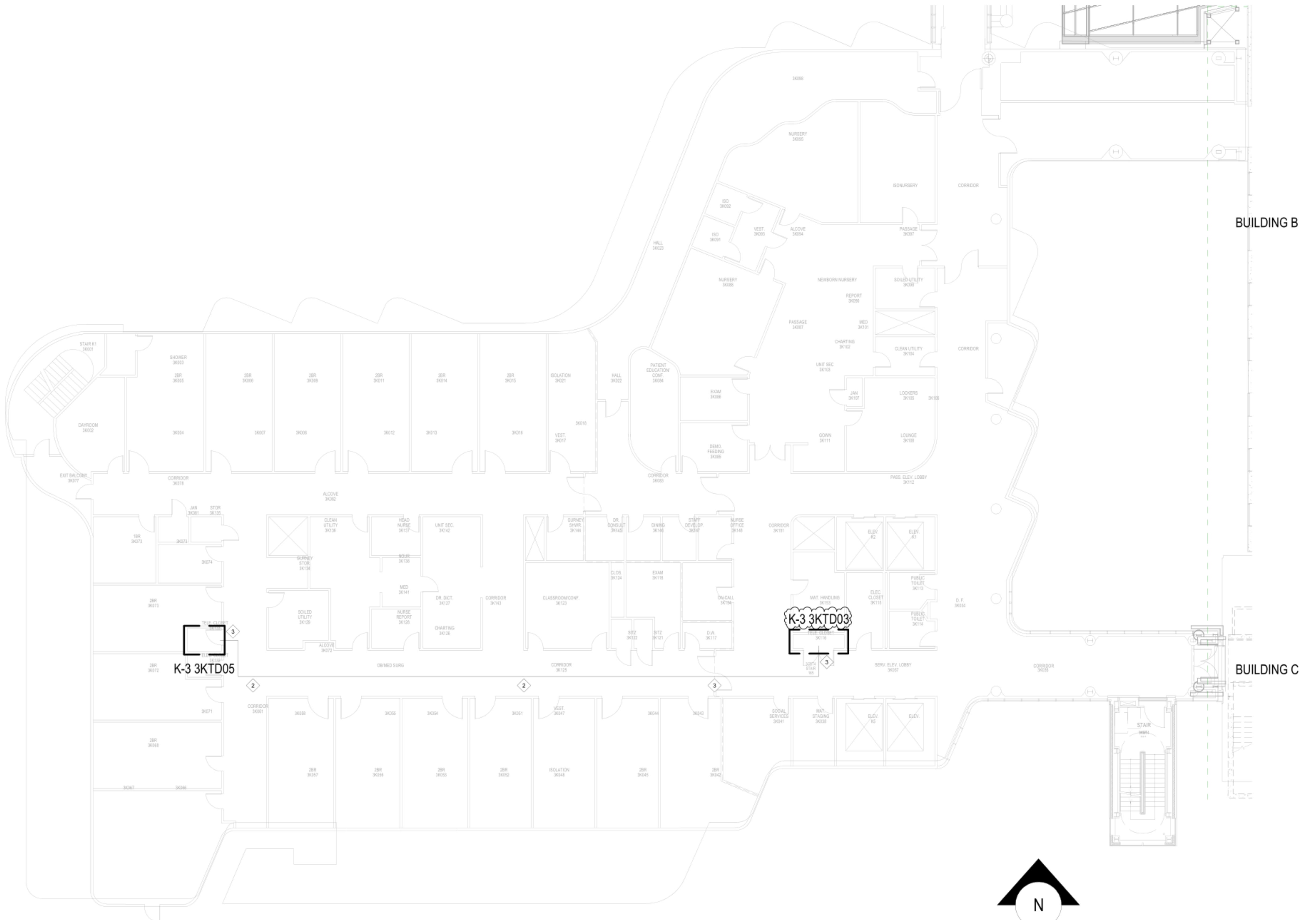


KEY PLAN			
 			
<b>PROJECT</b> <b>SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION</b>			
<b>SHEET TITLE</b> <b>BUILDING K - TECHNOLOGY PATHWAY - LEVEL 02</b>			
<b>SUBMITTAL</b>	<b>ISSUE FOR BID</b>		
<b>SCALE</b>	<b>1" = 10'-0"</b>		
<b>DATE</b>			
<b>PROJECT NO.</b>	<b>1908</b>		
<b>PERMIT NO.</b>	<b>S192512-43-00-ACD003</b>		
<b>CAD FILE NAME:</b> x_1908-bdr ACD03_30x42.dwg			
<b>DRAWING NO.</b> <span style="font-size: 2em; font-weight: bold;">T203.3</span>			
<b>SHT. NO.</b>	<b>10</b>	<b>OF</b>	<b>28</b>

GENERAL NOTES:



Cuschieri Horton  
Architects



**SHEET NOTES:**

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.

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**WALKER**  
TELECOMM, INC.



**PROJECT**  
SANTA CLARA VALLEY  
MEDICAL CENTER  
NORTH UTILITY  
LOOP  
EXTENSION

**SHEET TITLE**  
BUILDING K - TECHNOLOGY PATHWAY - LEVEL 03

**SUBMITTAL** ISSUE FOR BID

**SCALE** 1" = 10'-0"

**DATE**

**PROJECT NO.** 1908

**PERMIT NO.** S192512-43-00-ACD003

**CAD FILE NAME:** x\_1908-bdr ACD03\_30x42.dwg

**DRAWING NO.**

**T203.4**

**SHT. NO.** 11 **OF** 28

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## GENERAL NOTES:

The logo for Cuschieri Horton Architects features a stylized lowercase 'c' composed of a black hexagon and a white square. A blue signature line 'Bryant Horton' is written across the top left of the 'c'. To the right of the 'c' is a blue line drawing of a building's facade with vertical columns and horizontal lines.

## **1 BUILDING K - LEVEL 04**

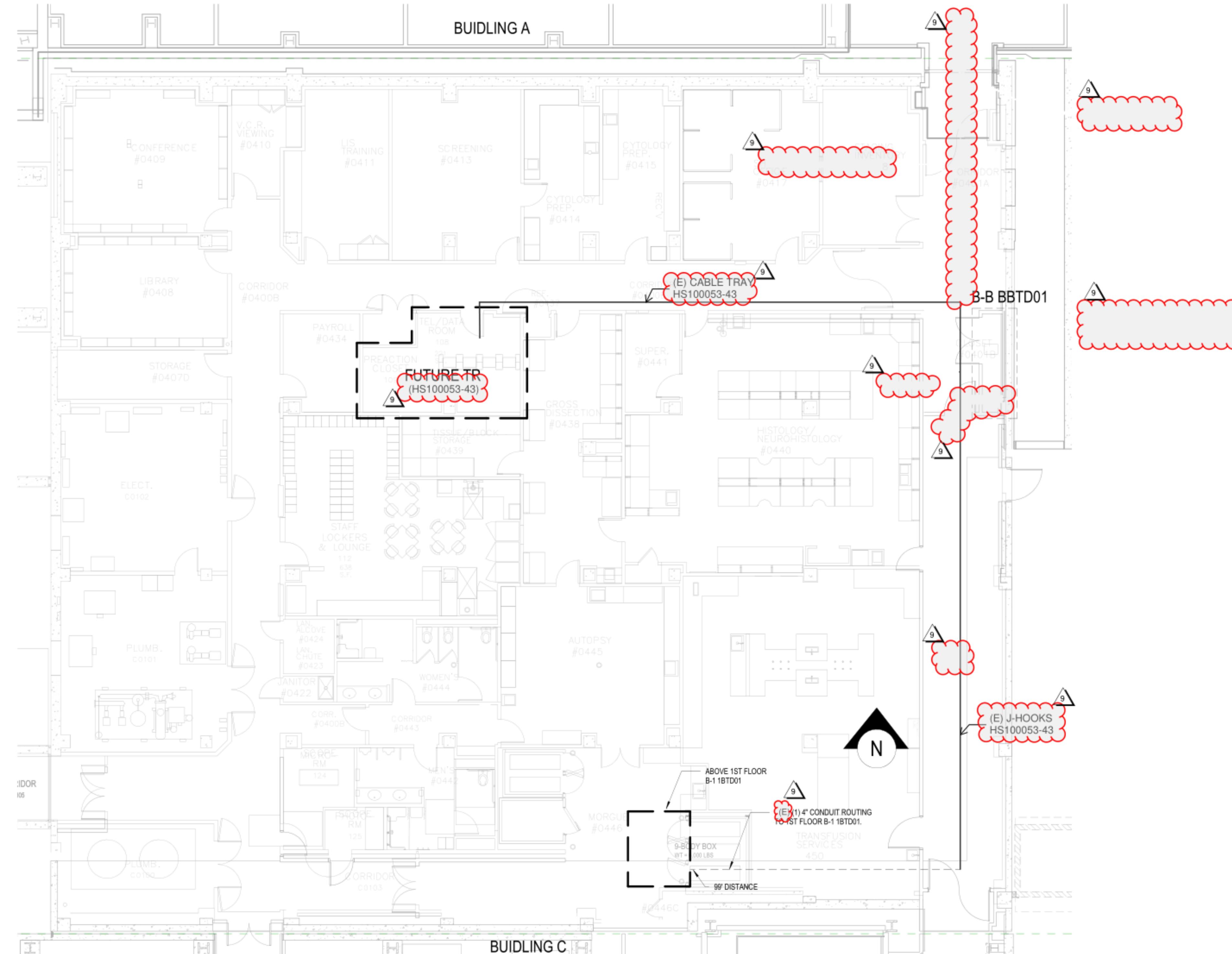
<b>Phone:</b> 530-652-4169   <b>Fax:</b> 530-641-1258	<b>Headquarters:</b> 412 Main Street Wheatland, CA 95692	<b>Sacramento Area:</b> 1995 Highway 65 Wheatland, CA 95692	<b>Bay Area:</b> 835 Arnold Drive Suite #104/Bay 1 Martinez, CA 94553	<b>Nevada:</b> 8521 White Unit C1-A Reno, NV 89502
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KEY PLAN	
 	
<b>PROJECT</b> <b>SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION</b>	
<b>SHEET TITLE</b> <b>BUILDING K - TECHNOLOGY PATHWAY - LEVEL 04</b>	
<b>SUBMITTAL</b>	<b>ISSUE FOR BID</b>
<b>SCALE</b>	<b>1" = 10'-0"</b>
<b>DATE</b>	
<b>PROJECT NO.</b>	<b>1908</b>
<b>PERMIT NO.</b>	<b>S192512-43-00-ACD003</b>
<b>CAD FILE NAME:</b> x_1908-bdr ACD03_30x42.dwg	
<b>DRAWING NO.</b>  <b>T203.5</b>	
<b>SHT. NO.</b>	<b>12</b>
<b>OF</b>	<b>28</b>

GENERAL NOTES:

*Bryant Horton*  
Cuschieri Horton  
Architects



① BUILDING B - BASEMENT  
1/8" = 1'-0"

SHEET NOTES:

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.

PROJECT	
SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION	
SHEET TITLE	BUILDING B - TECHNOLOGY PATHWAY - BASEMENT
SUBMITTAL	ISSUE FOR BID
SCALE	1/8" = 1'-0"
DATE	
PROJECT NO.	1908
PERMIT NO.	S192512-43-00-ACD003
CAD FILE NAME:	x_1908-bdr ACD03_30x42.dwg
DRAWING NO.	T204.1
SHT. NO.	13
OF	28

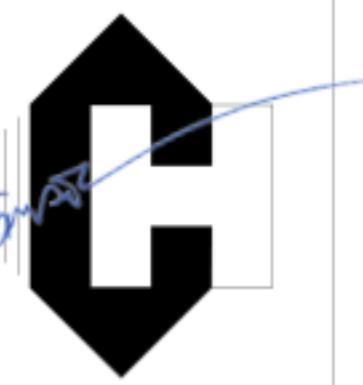
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Martinez, CA 94553

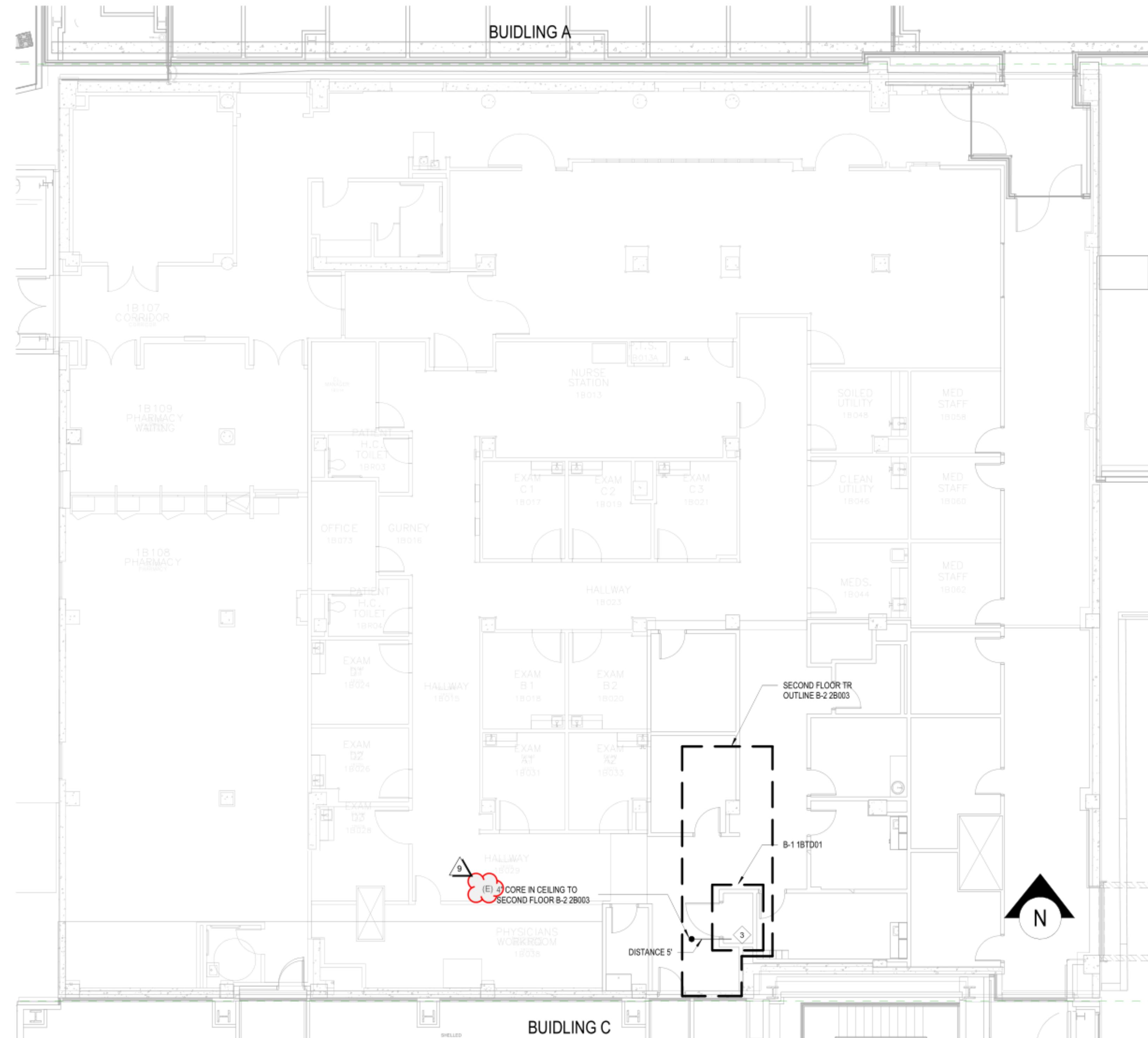
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Wheatland, CA 95692



GENERAL NOTES:

*Bryant Horton*  
Cuschieri Horton  
Architects



① **BUILDING B - LEVEL 01**  
1/8" = 1'-0"

FOR REFERENCE ONLY

SHEET NOTES:

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.

KEY PLAN	
PROJECT	SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION
SHEET TITLE	BUILDING B - TECHNOLOGY PATHWAY - LEVEL 01
SUBMITTAL	ISSUE FOR BID
SCALE	1/8" = 1'-0"
DATE	
PROJECT NO.	1908
PERMIT NO.	S192512-43-00-ACD003
CAD FILE NAME:	x_1908-bdr ACD03_30x42.dwg
DRAWING NO.	T204.2
SHT.NO.	14
OF	28

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WALKER  
TELECOMM, INC.

GENERAL NOTES:

Bryant Horton  
Cuschieri Horton  
Architects



1 BUILDING B - LEVEL 02  
1/8" = 1'-0"

SHEET NOTES:

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.

PROJECT	
SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION	
SHEET TITLE	BUILDING B - TECHNOLOGY PATHWAY - LEVEL 02
SUBMITTAL	ISSUE FOR BID
SCALE	1/8" = 1'-0"
DATE	
PROJECT NO.	1908
PERMIT NO.	S192512-43-00-ACD003
CAD FILE NAME:	x_1908-bdr ACD03_30x42.dwg
DRAWING NO.	T204.3
SHT.NO.	15 OF 28

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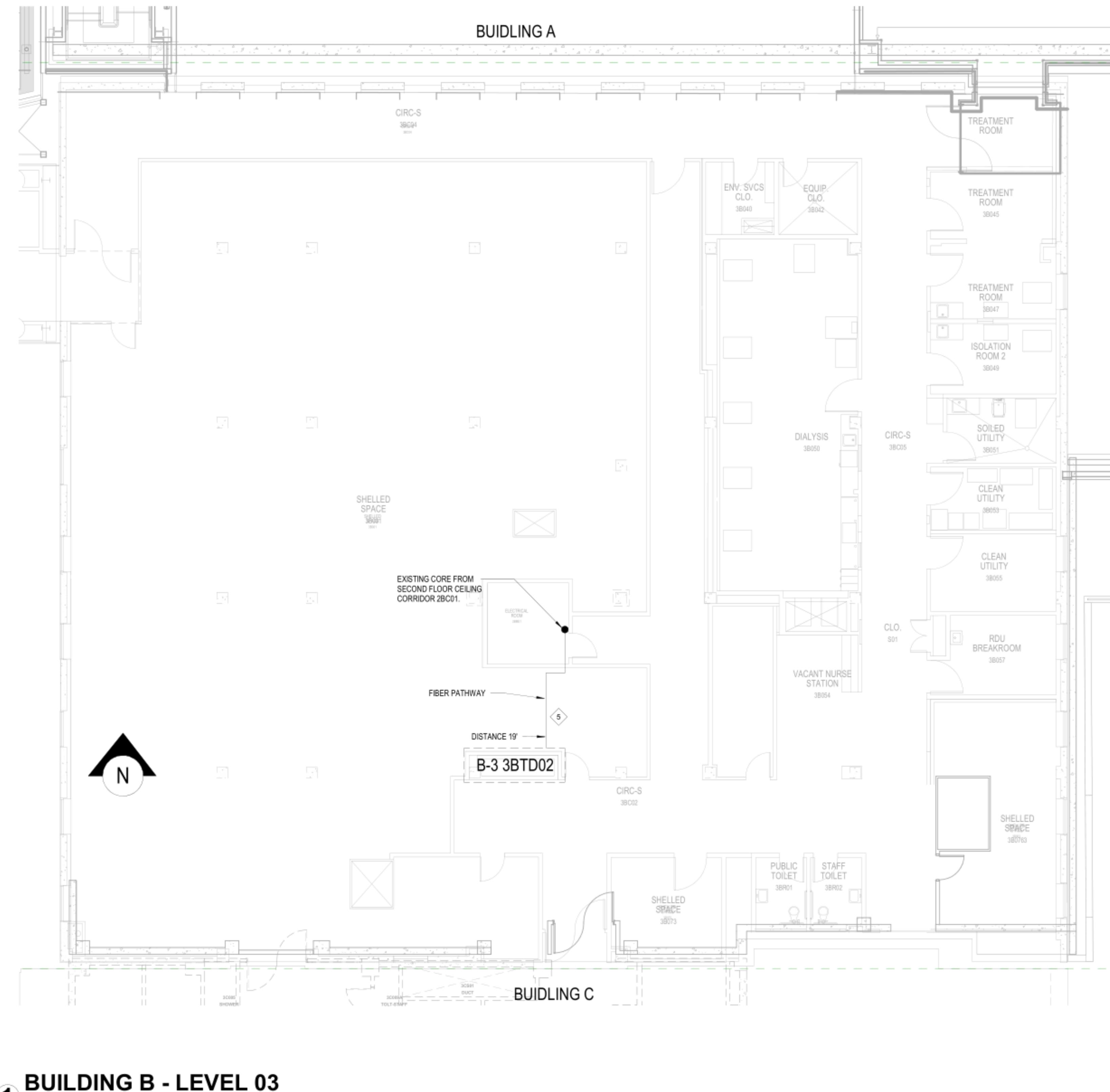
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**WALKER**  
TELECOMM, INC.

GENERAL NOTES:

Bryant Horton  
Cuschieri Horton  
Architects



SHEET NOTES:

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.

KEY PLAN	
PROJECT	SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION
SHEET TITLE	BUILDING B - TECHNOLOGY PATHWAY - LEVEL 03
SUBMITTAL	ISSUE FOR BID
SCALE	1/8" = 1'-0"
DATE	
PROJECT NO.	1908
PERMIT NO.	S192512-43-00-ACD003
CAD FILE NAME:	x_1908-bdr ACD03_30x42.dwg
DRAWING NO.	T204.4
SHT.NO.	16
OF	28

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Nevada:  
8521 White Fir Street  
Unit C1-A  
Reno, NV 89533

**1 BUILDING E - BASEMENT**

1" = 10'-0"

## GENERAL NOTES:

Cuschieri Horton  
Architects

**Phone:** 530-652-4169 | **Fax:** 530-641-1258  
**Headquarters:** Sacramento Area: Bay Area: Nevada:

Headquarters:	3601 Valencia St.	Sacramento Area,	Buy Area,	Nevada.
412 Main Street	1995 Highway 65	835 Arnold Drive	8521 White Fir Street	Unit Cl-A
Wheatland, CA 95692	Wheatland, CA 95692	Suite #104/Bay 1		Reno, NV 89523

Reno, NV 89552-3  
Orinhez, CA 94553

## SHEET NOTES:

- ◆ 1 EXISTING 4" CONDUIT.
  - ◆ 2 EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
  - ◆ 3 NEW EZ-PATH.
  - ◆ 4 EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
  - ◆ 5 EXISTING PATHWAY - NEW J-HOOKS.
  - ◆ 6 NEW 18" X 4" CABLE TRAY.



KEY PLAN			
			
PROJECT			
<p style="text-align: center;"><b>SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION</b></p>			
SHEET TITLE			
<p style="text-align: center;"><b>BUILDING E - TECHNOLOGY PATHWAY - BASEMENT</b></p>			
SUBMITTAL	ISSUE FOR BID		
SCALE	1" = 10'-0"		
DATE			
PROJECT NO.	1908		
PERMIT NO.	S192512-43-00-ACD003		
CAD FILE NAME: x_1908-bdr ACD03_30x42.dwg			
DRAWING NO.			
<p style="font-size: 2em; font-weight: bold;">T205.1</p> <span style="position: absolute; top: 85%; left: 50%;">5</span>			
SHT. NO.	17	OF	28

Phone: 530-652-4169 | Fax: 530-641-1258

Nevada:  
8521 White Fir Street  
Unit C1A  
Reno, NV 89533

Bay Area:  
835 Arnold Drive  
Suite #104/Bay 1  
Martinez, CA 94553



GENERAL NOTES:

SHEET NOTES:

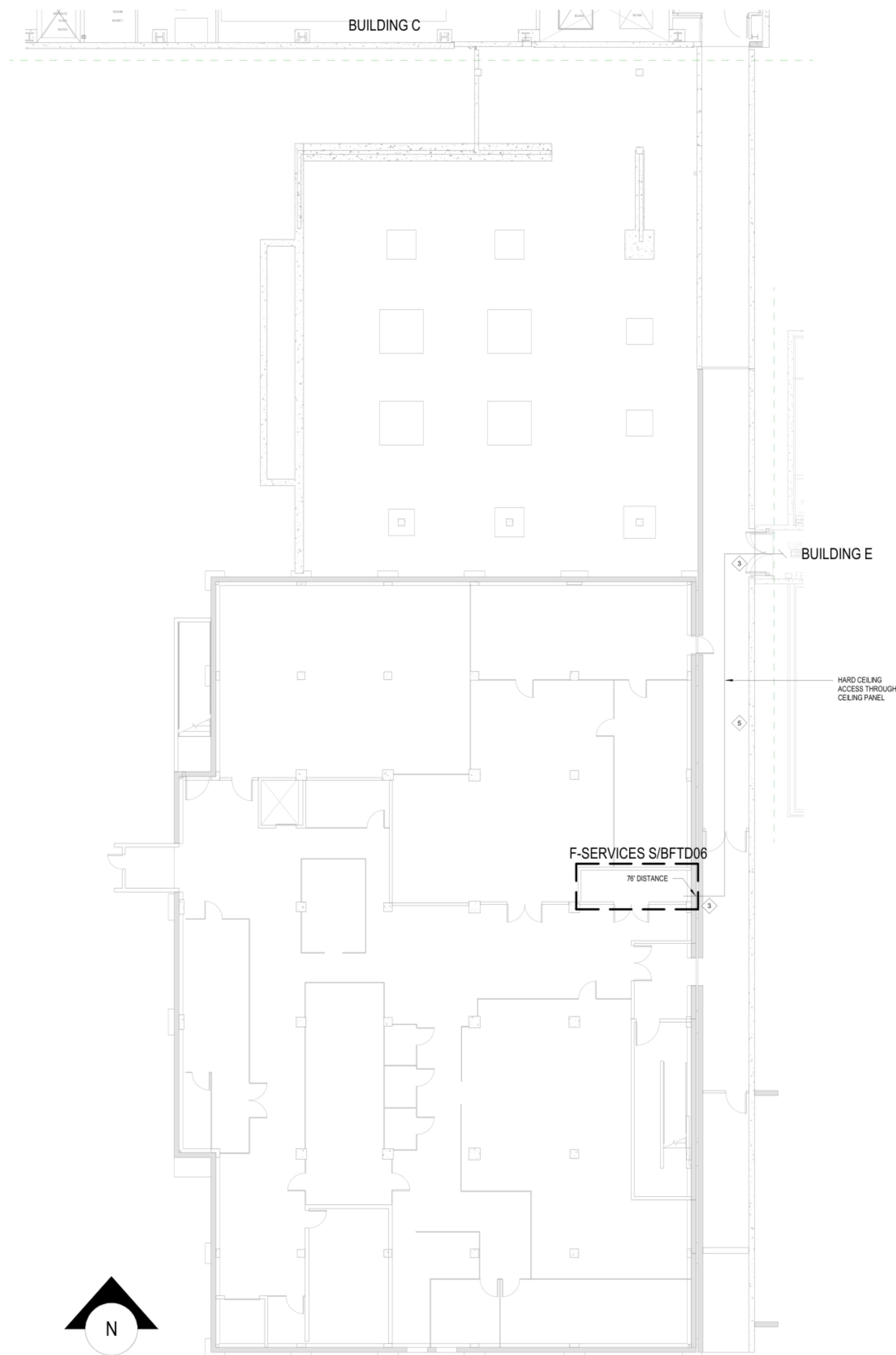
- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.



KEY PLAN	
	
<b>PROJECT</b>	
SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION	
<b>SHEET TITLE</b>	BUILDING E - TECHNOLOGY PATHWAY - LEVEL 01
<b>SUBMITTAL</b>	ISSUE FOR BID
<b>SCALE</b>	1" = 10'-0"
<b>DATE</b>	
<b>PROJECT NO.</b>	1908
<b>PERMIT NO.</b>	S192512-43-00-ACD003
<b>CAD FILE NAME:</b>	x_1908-bdr ACD03_30x42.dwg
<b>DRAWING NO.</b>	T205.2
<b>SHT. NO.</b>	18
<b>OF</b>	28

GENERAL NOTES:

*B. Horton*  
Cuschieri Horton  
Architects



① **BUILDING F - BASEMENT**  
1" = 10'-0"

SHEET NOTES:

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.

Phone: 530-652-4169 | Fax: 530-641-1258

Nevada:  
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Unit C4A  
Reno, NV 89533

Bay Area:  
835 Arnold Drive  
Suite #104/Bay 1  
Martinez, CA 94553

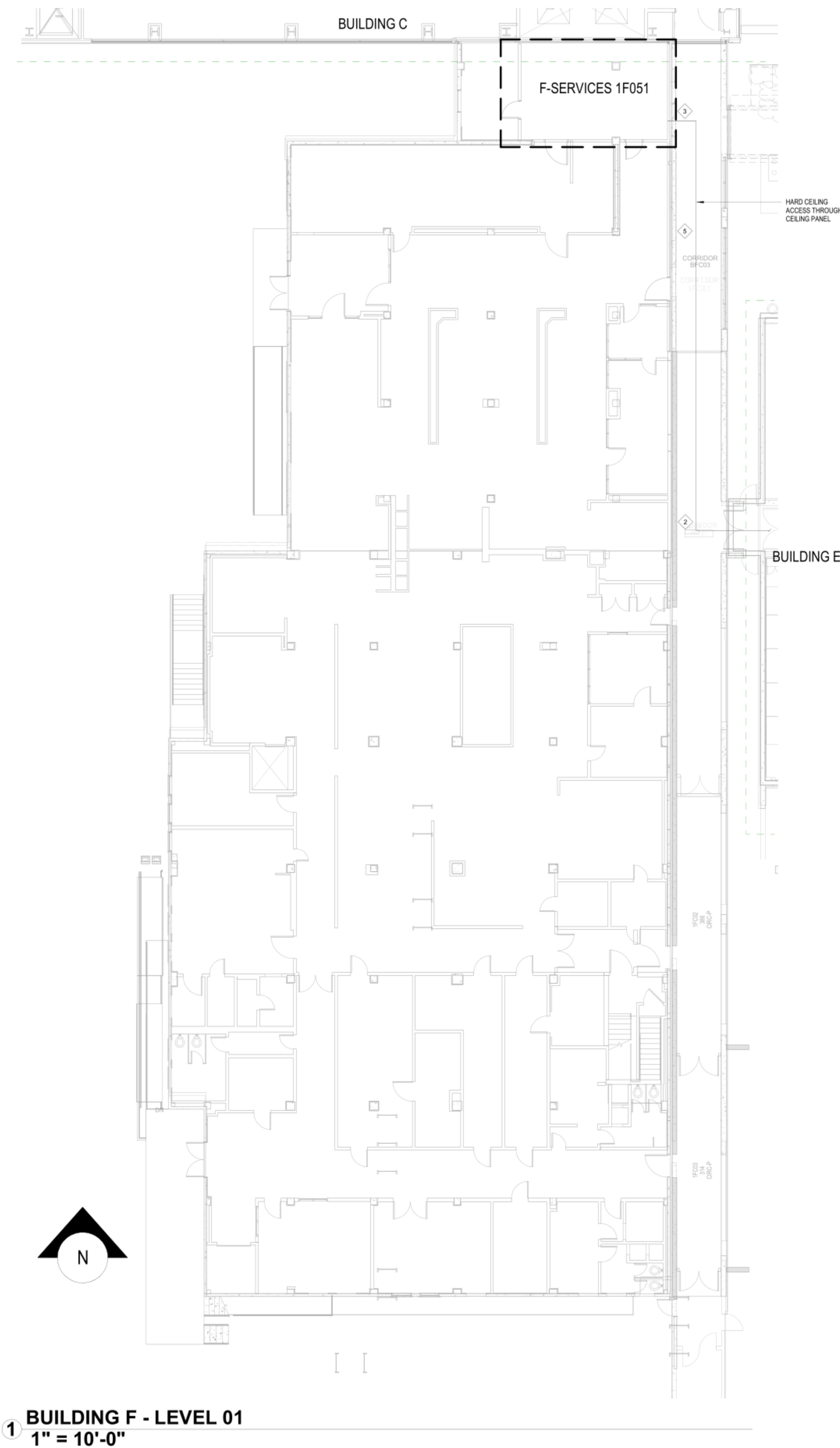
Sacramento Area:  
1995 Highway 65  
Wheatland, CA 95692

**WALKER**  
TELECOMM, INC.

KEY PLAN	
PROJECT	SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION
SHEET TITLE	BUILDING F - TECHNOLOGY PATHWAY - BASEMENT
SUBMITTAL	ISSUE FOR BID
SCALE	1" = 10'-0"
DATE	
PROJECT NO.	1908
PERMIT NO.	S192512-43-00-ACD003
CAD FILE NAME	x_1908-bdr ACD03_30x42.dwg
DRAWING NO.	T206.1
SHT.NO.	19
OF	28

GENERAL NOTES:

*Bryant Horton*  
Cuschieri Horton  
Architects



SHEET NOTES:

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.

Phone: 530-652-4169 | Fax: 530-641-1258

**WALKER**  
TELECOMM, INC.

Nevada:  
8521 White Fir Street  
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Reno, NV 89533

Bay Area:  
835 Arnold Drive  
Suite #104/Bay 1  
Martinez, CA 94553

Sacramento Area:  
1995 Highway 65  
Wheatland, CA 95692

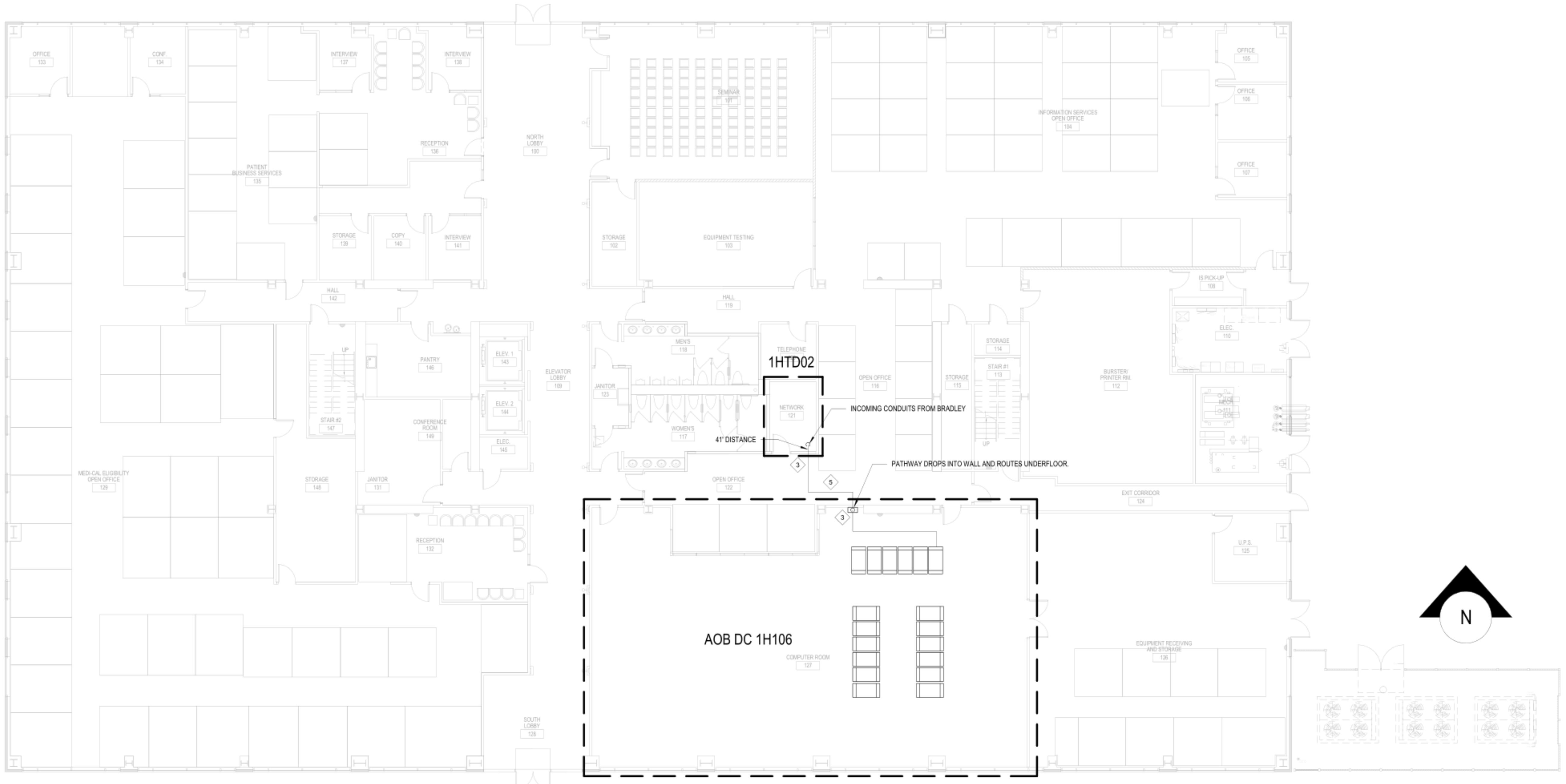
Headquarters:  
412 Main Street  
Wheatland, CA 95692

KEY PLAN	
PROJECT	SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION
SHEET TITLE	BUILDING F - TECHNOLOGY PATHWAY - LEVEL 01
SUBMITTAL	ISSUE FOR BID
SCALE	1" = 10'-0"
DATE	
PROJECT NO.	1908
PERMIT NO.	S192512-43-00-ACD003
CAD FILE NAME:	x_1908-bdr ACD03_30x42.dwg
DRAWING NO.	T206.2
SHT. NO.	20 OF 28

If this drawing is not 30" x 42" it is a reduced print, scale accordingly

GENERAL NOTES:

*Bryant Horton*  
Cuschieri Horton  
Architects



1 BUILDING H - LEVEL 1  
1" = 10'-0"

SHEET NOTES:

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.

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Unit C1A  
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Bay Area:  
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Suite #104/Bay 1  
Martinez, CA 94553

Sacramento Area:  
1995 Highway 65  
Wheatland, CA 95692

Headquarters:  
412 Main Street  
Wheatland, CA 95692

**WALKER**  
TELECOMM, INC.



PROJECT  
SANTA CLARA VALLEY  
MEDICAL CENTER  
NORTH UTILITY  
LOOP  
EXTENSION

SHEET TITLE  
BUILDING H - TECHNOLOGY PATHWAY - LEVEL  
01

SUBMITTAL  
ISSUE FOR BID

SCALE  
1" = 10'-0"

DATE

PROJECT NO.  
1908

PERMIT NO.  
S192512-43-00-ACD003

CAD FILE NAME: x\_1908-bdr ACD03\_30x42.dwg

DRAWING NO.  
**T207.1**

SHT.NO. 21 OF 28

If this drawing is not 30" x 42" it is a reduced print, scale accordingly

GENERAL NOTES:

*Bryant Horton*  
Cuschieri Horton  
Architects



1 LEVEL 1 - 828 BASCOM  
1/8" = 1'-0"

SHEET NOTES:

- ◊ EXISTING 4" CONDUIT.
- ◊ EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ◊ NEW EZ-PATH.
- ◊ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ◊ EXISTING PATHWAY - NEW J-HOOKS.
- ◊ NEW 18" X 4" CABLE TRAY.

Phone: 530-652-4169 | Fax: 530-641-1258

Nevada:  
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Bay Area:  
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Suite #104/Bay 1  
Martinez, CA 94553

Sacramento Area:  
1995 Highway 65  
Wheatland, CA 95692

Headquarters:  
412 Main Street  
Wheatland, CA 95692

**WALKER**  
TELECOMM, INC.



PROJECT  
SANTA CLARA VALLEY  
MEDICAL CENTER  
NORTH UTILITY  
LOOP  
EXTENSION

SHEET TITLE  
S BASCOM - TECHNOLOGY PATHWAY - LEVEL -  
01

SUBMITTAL  
ISSUE FOR BID  
SCALE  
1/8" = 1'-0"

DATE  
PROJECT NO.  
1908

PERMIT NO.  
S192512-43-00-ACD003  
CAD FILE NAME: x\_1908-bdr ACD03\_30x42.dwg

DRAWING NO.  
**T208.1**  
SHT. NO. 22 OF 28

If this drawing is not 30" x 42" it is a reduced print, scale accordingly

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Nevada:  
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Unit C4A  
Reno, NV 89523

**WALKER**  
TELECOMM, INC.

PROJECT  
SANTA CLARA VALLEY  
MEDICAL CENTER  
NORTH UTILITY  
LOOP  
EXTENSION

SHEET TITLE  
BUILDING J - TECHNOLOGY PATHWAY - LEVEL  
01

SUBMITTAL  
ISSUE FOR BID

SCALE  
 $1'' = 10'-0''$

DATE

PROJECT NO.  
1908

PERMIT NO.  
S192512-43-00-ACD003

CAD FILE NAME: X\_1908-bdr ACD03\_30x42.dwg

DRAWING NO.

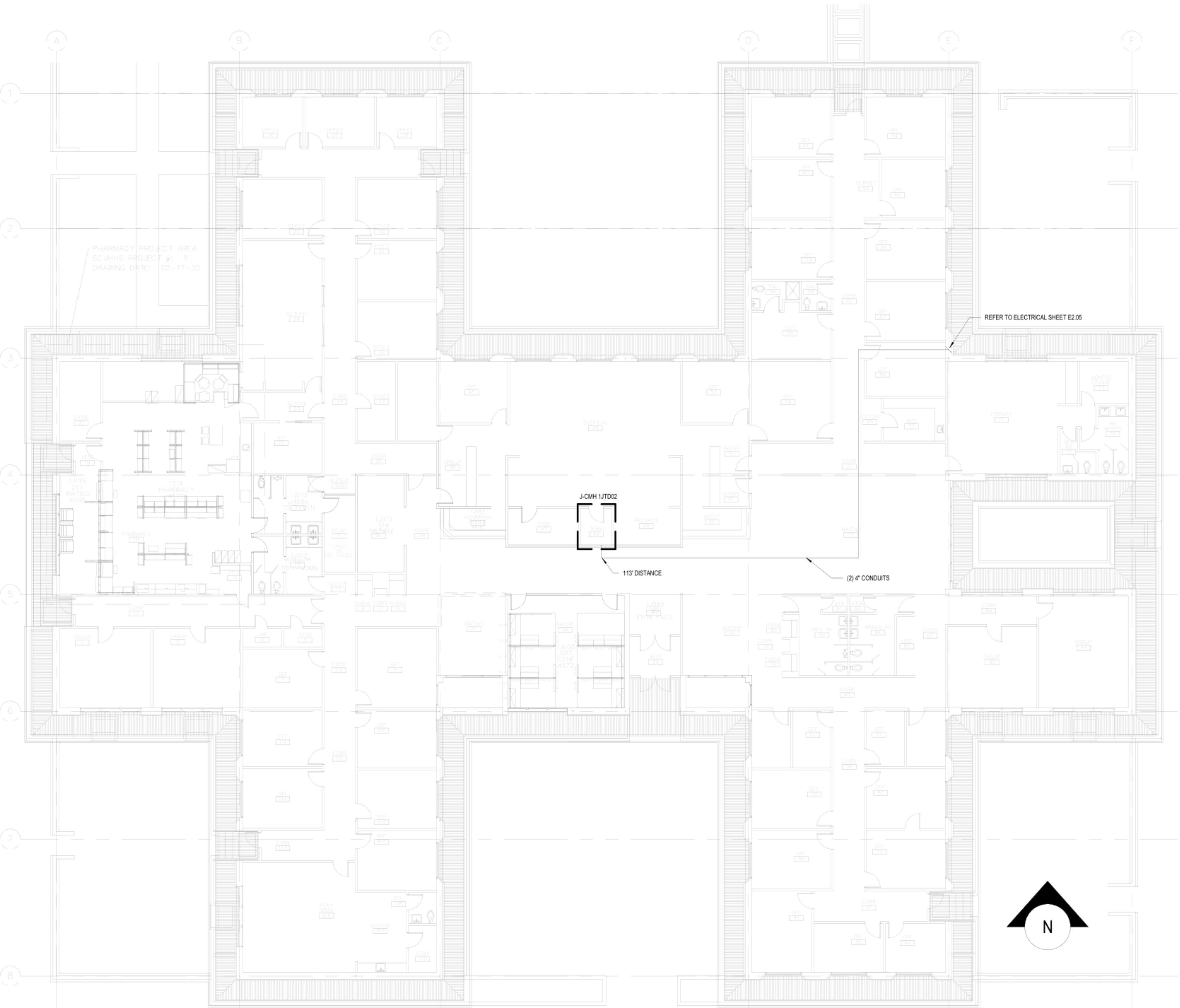
T209.1

SHT. NO.  
23 OF 28

GENERAL NOTES:

SHEET NOTES:

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.



**1 BUILDING J - LEVEL 01**  
**1" = 10'-0"**



PROJECT  
SANTA CLARA VALLEY  
MEDICAL CENTER  
NORTH UTILITY  
LOOP  
EXTENSION

SHEET TITLE  
BUILDING J - TECHNOLOGY PATHWAY - LEVEL  
01

SUBMITTAL  
ISSUE FOR BID

SCALE  
 $1'' = 10'-0''$

DATE

PROJECT NO.  
1908

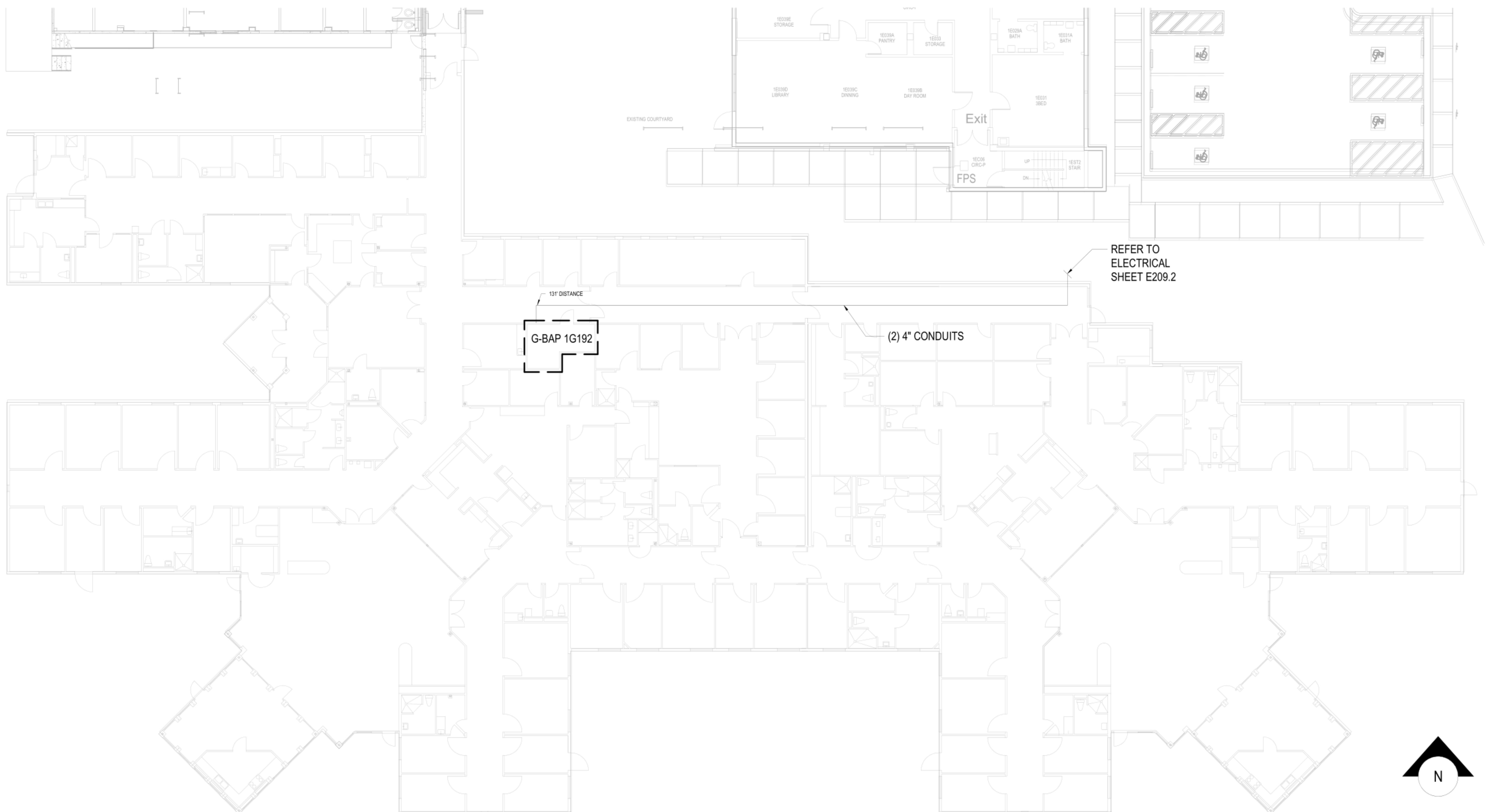
PERMIT NO.  
S192512-43-00-ACD003

CAD FILE NAME: X\_1908-bdr ACD03\_30x42.dwg

DRAWING NO.

T209.1

SHT. NO.  
23 OF 28



GENERAL NOTES:

SHEET NOTES:

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.



PROJECT  
SANTA CLARA VALLEY  
MEDICAL CENTER  
NORTH UTILITY  
LOOP  
EXTENSION

SHEET TITLE  
BUILDING G - TECHNOLOGY PATHWAY - LEVEL  
01

SUBMITTAL  
ISSUE FOR BID

SCALE  
1" = 10'-0"

DATE

PROJECT NO.  
1908

PERMIT NO.  
S192512-43-00-ACD003

CAD FILE NAME:  
x\_1908-bdr ACD03\_30x42.dwg

DRAWING NO.  
**T210.1**

SHT.NO.  
24 OF 28

GENERAL NOTES:

*Bryant Horton*  
Cuschieri Horton  
Architects

Phone: 530-652-4169 | Fax: 530-641-1258

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8521 White Fir Street  
Unit C1-A  
Reno, NV 89533

Bay Area:  
835 Arnold Drive  
Suite #104/Bay 1  
Martinez, CA 94553

Sacramento Area:  
1995 Highway 65  
Wheatland, CA 95692

**WALKER**  
TELECOMM, INC.



**1 BUILDING Q - BASEMENT**  
1/16" = 1'-0"

SHEET NOTES:

- ① EXISTING 4" CONDUIT.
- ② EXISTING CABLE TRAY PATHWAY FOR NEW INCOMING FIBER/COPPER.
- ③ NEW EZ-PATH.
- ④ EXISTING 4" CONDUIT SLEEVES FOR PASS THROUGH.
- ⑤ EXISTING PATHWAY - NEW J-HOOKS.
- ⑥ NEW 18" X 4" CABLE TRAY.

KEY PLAN	
PROJECT	
SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION	
SHEET TITLE	
BUILDING Q - TECHNOLOGY PATHWAY - BASEMENT	
SUBMITTAL	ISSUE FOR BID
SCALE	1/16" = 1'-0"
DATE	
PROJECT NO.	1908
PERMIT NO.	S192512-43-00-ACD003
CAD FILE NAME: X_1908-bdr ACD03_30x42.dwg	
DRAWING NO.	T211.1
SHT.NO.	25 OF 28

If this drawing is not 30" x 42" it is a reduced print, scale accordingly

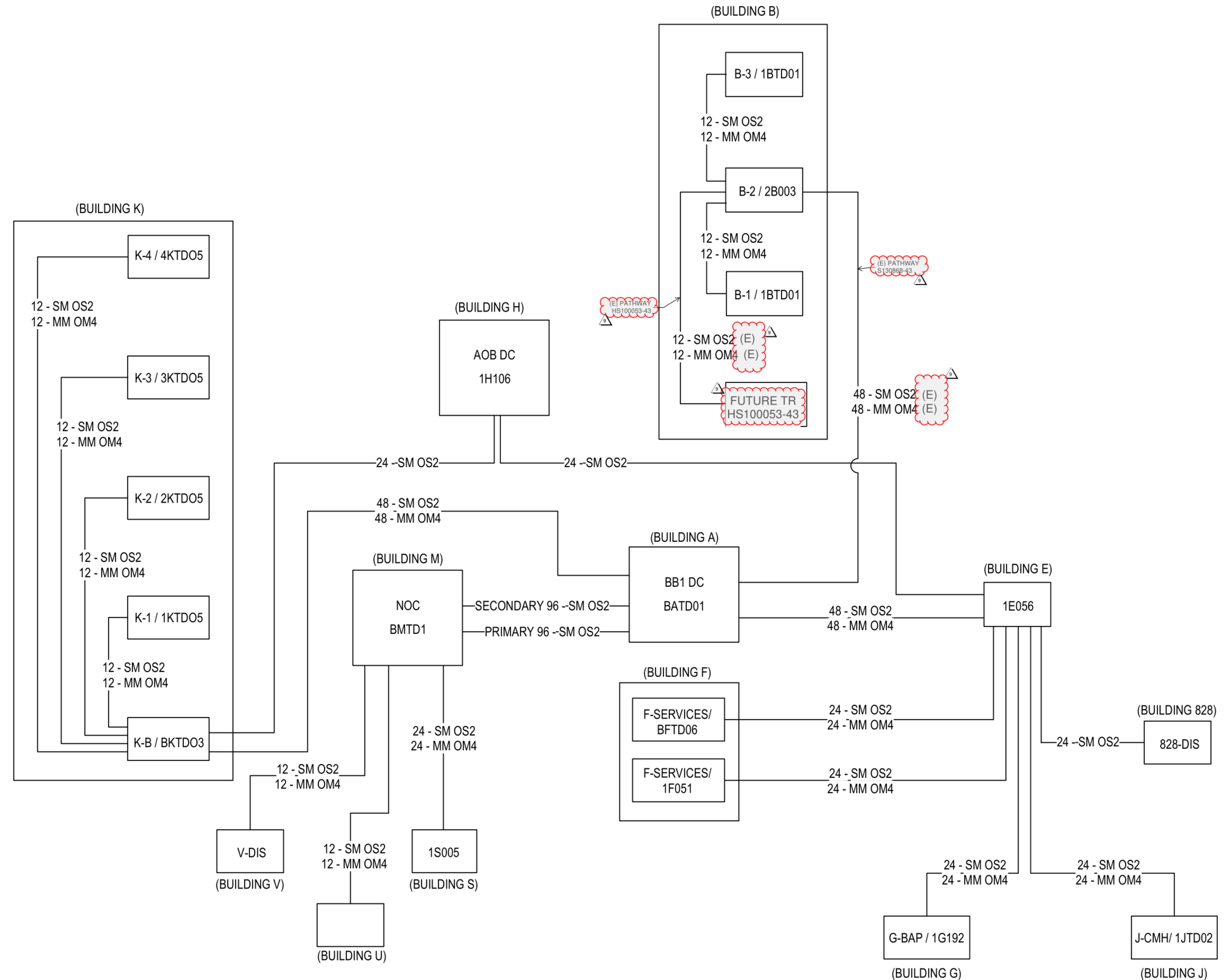
Phone: 530-652-4169 | Fax: 530-641-1258

Nevada:  
8521 White Fir Street  
Unit C4A  
Reno, NV 89523

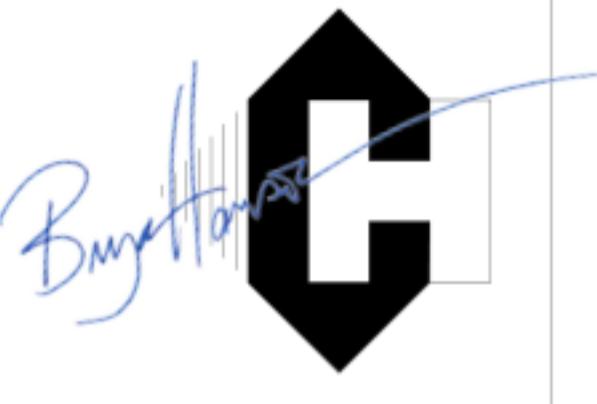
Bay Area:  
835 Arnold Drive  
Suite #104/Bay 1  
Martinez, CA 94553

Sacramento Area:  
1995 Highway 65  
Wheatland, CA 95692

**WALKER**  
TELECOMM, INC.



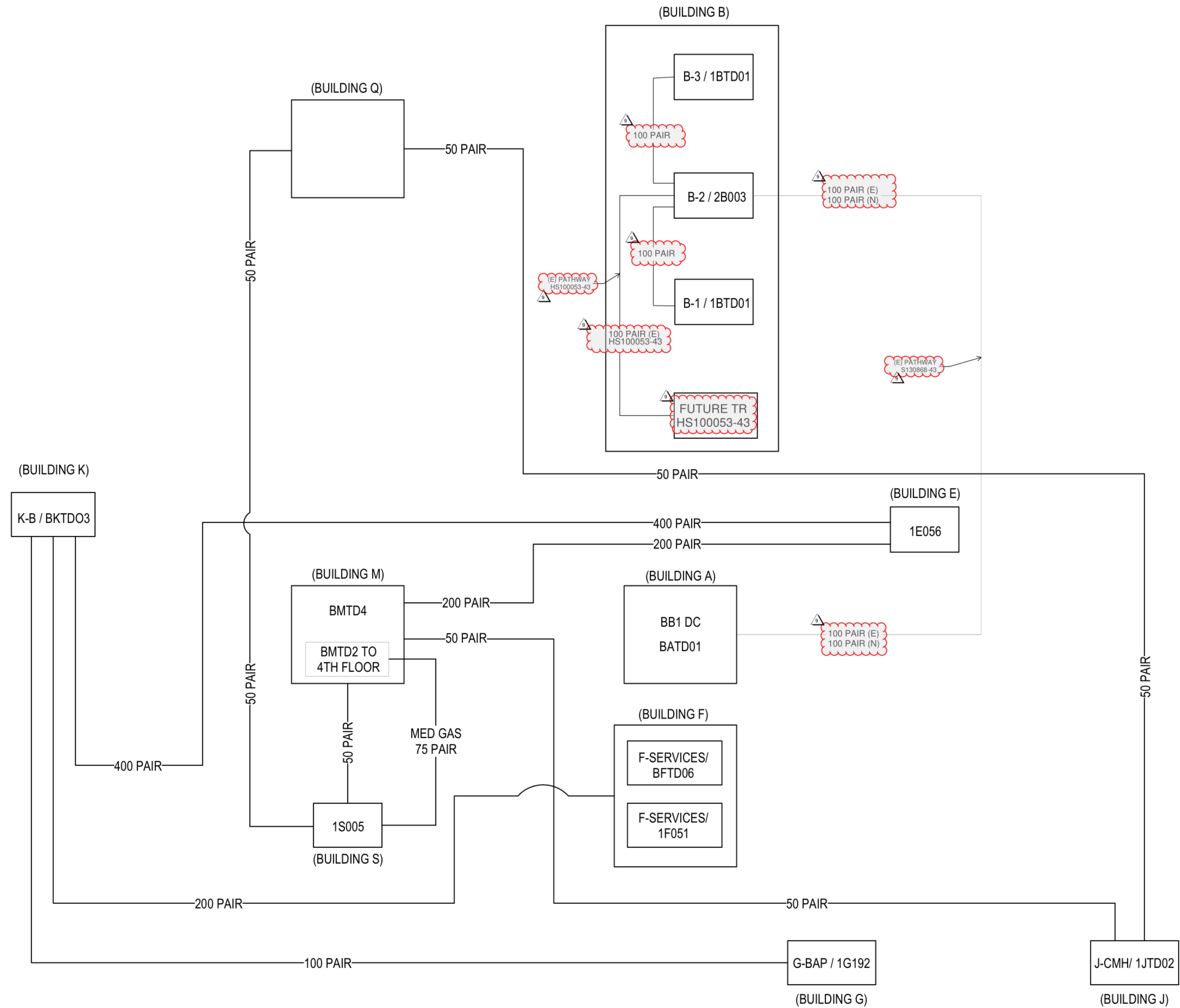
KEY PLAN	
PROJECT	SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION
HEET TITLE	TECHNOLOGY FIBER DIAGRAM
SUBMITTAL	ISSUE FOR BID
SCALE	6' = 1'-0"
DATE	
PROJECT NO.	1908
PERMIT NO.	S192512-43-00-ACD003
CAD FILE NAME	x_1908-bdr ACD03_30x42.dwg
DRAWING NO.	T401.1
SHT.NO.	26 OF 28



Cuschieri Horton  
Architects

Phone: 530-652-4169 | Fax: 530-641-1258

Nevada: 8521 White Fir Street, Unit C4A, Reno, NV 89533



KEY PLAN	
PROJECT	SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION
SHET TITLE	
TECHNOLOGY COPPER DIAGRAM	
SUBMITAL	ISSUE FOR BID
SCALE	6' = 1'-0"
DATE	
PROJECT NO.	1908
PERMIT NO.	S192512-43-00-ACD003
CAD FILE NAME	x_1908-bdr ACD03_30x42.dwg
DRAWING NO.	T402.2
SHT.NO.	27
OF	28

A logo consisting of a large black hexagon containing a white rectangle, which in turn contains a smaller black hexagon. A blue cursive signature "Bryant" is written across the top left of the logo.

uschieri Horton  
Architects

THE JOURNAL OF CLIMATE

Phone: 530-652-4169	Fax: 530-641-1258	Headquarters: 412 Main Street Marysville, CA 95901	Sacramento Area: 1995 Highway 65 West Sacramento, CA 95831	Bay Area: 835 Arnold Drive San Leandro, CA 94577	Nevada: 8521 White Fir Street Henderson, NV 89014
---------------------	-------------------	--	--	--	---

Unit C1-A  
Reno, NV 89523

卷之三



Classified by Underwriters Laboratories, Inc. to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115		<b>System No. W-L-3306</b>		
ANSI/UL 1479 (ASTM E814)		CAN/ULC S115		
F Rating - 1 or 2 hr (See Item 1)		F Rating - 1 or 2 hr (See Item 1)		
T Ratings - 1, 1-1/2 and 2 hr (See Item 3)		FT Ratings - 1, 1-1/2 and 2 hr (See Item 3)		
L Rating At Ambient - Less than 1 to 2.3 CFM/Device Module (See Item 2)		FL Rating - 1 or 2 hr (See Item 1)		
L Rating At 400 F - Less than 1 to 2.3 CFM/Device Module (See Item 2)		FTL Ratings - 1, 1-1/2 and 2 hr (See Item 3)		
		G Rating At Ambient - Less than 1 to 2.3 CFM/Device Module (See Item 2)		
		L Rating At 400 F - Less than 1 to 2.3 CFM/Device Module (See Item 2)		
<p><b>1. Wall Assembly</b> - The 1 or 2 hr fire rated gypsum board stud wall assembly shall be constructed of the materials and in the manner described within the individual U200, V200, U400, V400 or V400S, Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:</p> <p>A. <b>Studs</b> - Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. x 1/2 in. (102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. When two banks of firestop device modules (item 2) are installed, additional framing members shall be used to completely frame around the opening.</p> <p>B. <b>Gypsum Board</b> - Thickness, type, number of layers and fasteners are specified in the individual Wall and Partition Design. Opening in gypsum board to be max 18 in. (46 mm) larger than width and height dimensions of firestop device(s).</p> <p>The hourly F and FL Ratings are dependent upon the hourly rating of the wall in which it is installed.</p> <p>2. <b>Firestop Device</b> - One or two banks each consisting of one, two, three, four or five firestop device modules ganged together and secured by means of integral hook and eye window attachment. Each firestop device module consists of a 4 kip #5/8 in. (102 by 118 by 266 mm) long galv steel tube with an intermediate metal flange. Firestop device modules to be installed in accordance with the accompanying installable instructions. The space between the firestop device module(s) and the periphery of the opening shall be min 8 in. (20 mm) wide to max 16 in. (32 mm). Firestop device module(s) secured in place by means of steel wall brackets installed with galvanic material applied with paint. Steel wall brackets installed on both sides of wall and secured to firestop device modules by means of sheet set screws provided with brackets. Wall brackets secured to each side of wall through predrilled holes in brackets by means of min 1/8 in. (3.2 mm) Type G sheet screws. Each firestop device module is to be installed with ends projecting an equal distance beyond each vertice of the wall assembly. As an alternate when one bank of firestop device modules are installed, the multi-gang steel wall brackets may be installed directly against the studs for walls having 24 in. (603 mm) center-to-center stud spacing prior to installation of the gypsum board layers. The steel wall plates shall be secured in the stud by means of sheet screws. After installation of the steel wall plates and firestop device modules, the gypsum board shall be installed as specified in the individual Design with a maximum 1/8 in. (3.2 mm) gap between the firestop device module and the outlet in the gypsum board. Gap between the firestop device module and the outlet in the gypsum board may be filled with gypsum joint compound or填料 (item 4). The L Ratings vary according to whether the device module is blank (no cables) or loaded (with cables) and which cable type and size is used, as indicated below:</p>				
<b>Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876</b> <small>Reproduced courtesy of Underwriters Laboratories, Inc. Created or Revised: May 6, 2019</small>				
<small>©2019 STI 1-800-328-6670 • TAK 905-221-8415 • E-Mail: tech-support@stitech.com • Web: <a href="http://www.stitech.com">www.stitech.com</a></small>				

Device	Case Type	UL-Rating CFM-Device Module (UL/Device Module)	
		Assemblies	and "F" (ul "C")
0%		Loss: Less Than 1 (1.47)	Loss: Less Than 1 (1.47)
1-25%	3A-3I	1.5 (2.71)	1.5 (2.71)
26-50%	3A-2I	2.3 (3.19)	2.3 (3.19)
51-75%	3A-2I	2.3 (3.19)	2.3 (3.19)
76-100%	3A-3I	2.3 (3.19)	2.3 (3.19)

**SPECIFIED TECHNOLOGIES INC - EZ PATH Series 44+ Fire Rated Pathway**

**2A. Firestop Device - Extension Module - (Optional, Not Shown) :** Module attached to ends of firestop device (Item 2) to increase its length to facilitate installation in thicker walls. Each module consists of a 4 by 4-SIB by 6 in. (102 by 114 by 152 mm) long galvanized tube with an intersegmental material lining. Extension module is to be installed in accordance with the accompanying installation instructions. When module is used, firestop device (Item 2) and extension module assembly is to be secured in place by means of steel plates installed with galvanizing material supplied with product. Steel plates installed on both sides of wall and secured to each device or extension module by means of stand set screws provided with plates. Firestop device and extension module assembly is to be installed with ends projecting an equal distance beyond each surface of the wall assembly.

**SPECIFIED TECHNOLOGIES INC - EZ PATH Series 44+ Extension**

**3. Cables -** Cables may represent a 0 to max 100 percent visual fit within the floating area for each firestop device module. Cables is to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:

- Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) or platinum-rated jacketing and insulation.
- Max 750 strand single copper conductor power cable with XLPE jacket and insulation.
- Max 7/16 in. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
- Max 3/16 in. 6 AWG metal clad or armored cable with steel or aluminum jacket.
- Max four pair No. 23 AWG (or smaller) copper conductor data cable with PVC or platinum rated jacketing and insulation.
- Coaxial cable with fluorinated ethylene or PVC insulation and jacketing having a max diam of 5/8 in. (15 mm).
- Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 1/2 in. (16 mm).
- Max RG6U coaxial cable with fluorinated ethylene, polypropylene (PE), PVC or platinum rated jacketing and insulation. For the Series 44+ firestop device and when Item 3A, 3B, 3C, 3D, 3E or 3I is used, the T, FT and FTH Ratings are 1 hr. When Item 3F or 3G is used, the T, FT and FTH Ratings are 1 and 1-1/2 hr for 1 and 2 hr rated assemblies respectively. When Item 3H is used, the T, FT and FTH Ratings are 1 and 2 hr for 1 and 2 hr rated assemblies respectively. When device is empty, the T, FT and FTH Ratings are 1 and 1-1/2 hr for 1 and 2 hr rated assemblies respectively. When two banks of firestop device modules are installed, the T, FT and FTH Ratings are 1 hr.
- FIR-Valid or Cavity Material - Sealant or Putty - (Not Shown) : As an alternate to gypsum joint compound, the gap between the firestop device module and the circuit in the gypsum board may be sealed with fir material on each side of the wall assembly when multi-gang steel wall brackets are installed directly against the wood or steel studs.

**SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant, SpecSeal UCI Sealant, SpecSeal Putty + Beading the UL Listing Mark**

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

1 W-L-3306  
12" = 1'-0"

ANSUL 1479 (ASTM E814)		CANULC 5115
F Ratings - 1, 2, 3 and 4 Hr (See Item 1 and 3)		F Ratings - 1, 2, 3 and 4 Hr (See Items 1 and 3)
T Rating - 2H, 1, 1-12 and 2 Hr (See Item 2)		T1 Rating - 2H, 1, 1-12 and 2 Hr (See Item 2)
L Rating A2 Ambient - Less Than 10 °C Device Module (See Item 2)		LH Rating - 1, 2, 3 and 4 Hr (See Items 1 and 3)
L Rating M Ambient - Less Than 10 °C Device Module (See Item 2)		LT1 Rating - 3H, 1, 1-12 and 2 Hr (See Item 2)
L Rating at Ambient - Less than 10 °C Device Module (See Item 2)		L Rating at 400 °F - Less Than 10 to 12 LF Device Module (See Item 2)

Section A-A

Section B-B

Section C-C

Specified Technologies Inc., 210 Evans Way Somerville, NJ 08876

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Created or Revised: April 16, 2016

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W-L-3377  
12" = 1'-0"

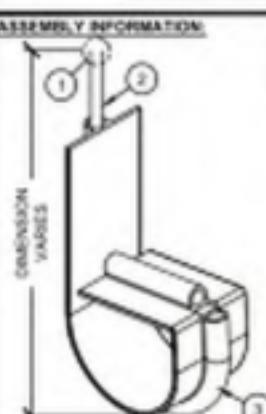
**1. Wall Assembly** - The 1, 2, 3 or 4 hr fire rated gypsum board/stud wall assembly shall be constructed of the material in the manner described within the individual U300, U400, V400 or V400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:

- A. **Studs** - Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 102 mm lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced 1610 mm) OC.
- B. **Gypsum Board** - Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Tables for opening sizes.

The hourly F and FH Ratings are dependent upon the hourly rating of the wall in which it is installed.

**2. Firestop Device** - Series 22 EZ Path device modules consist of a 1-1/4 by 1-1/4 by 10-1/2 in. (36 by 36 by 267 mm) steel tube with an intumescent material lining. Series 33 EZ Path device modules consist of a 3-3/4 by 3-3/4 by 10-1/2 in. (102 by 118 by 266 mm) long galv steel tube with an intumescent material lining. Series 44+ EZ Path device modules consist of 4-5/8 by 14 in. (102 by 118 by 365 mm) long galv steel tube with an intumescent material lining. Firestop device modules are installed in accordance with the accompanying installation instructions. Firestop device insulation required in place consists of steel wall plates installed with gasketing material supplied with module. Steel wall plates installed on both sides of the wall and secured to each device by means of steel screws provided with device. Firestop device module is to be installed projecting an equal distance beyond each surface of the wall assembly. The annular space between the device and the wall is to be filled with intumescent material supplied with device. The opening size and I Ratings for each device vary according to whether device module is blank (no cables) or loaded (with cables) and which cable type and size is used, as tabulated below.

**SPECIFIED TECHNOLOGIES INC - EZ PATH Series 22, 33 or 44 Fire Rated Pathway**

CEAS FIG. 200 - STIFFY WITH COMFORT CRADLE																																											
 <b>1. FASTENER AND FOOTPRINT OPTION:</b> FASTERNER OPTION A: #100 DESCRIPTION: DEWALT 1" (3/4" EMBEDDED) X 0.157 SPIRAL, SHANK PIN (BLAU HEAD GA) ITEM NUMBER: 10205 APPROVAL: ESR 2026 (TABLES IC & SB) SUBSTRATE: CONCRETE, 3,000 PSI LWC & 3,000 PSI NWC <b>NOTES:</b> 1. CONCRETE THICKNESS MUST BE AT LEAST 3X THE EMBEDMENT DEPTH OF THE FASTENER. 2. MINIMUM EDGE DISTANCE = 3"		<b>FOOTPRINT OPTION B: #100</b> DESCRIPTION: HARD CONCRETE APPROVAL: ESR 2026 (TABLES IC & SB) SUBSTRATE: CONCRETE, 3,000 PSI LWC & 3,000 PSI NWC <b>NOTES:</b> 1. CONCRETE THICKNESS MUST BE AT LEAST 3X THE EMBEDMENT DEPTH OF THE FASTENER. 2. MINIMUM EDGE DISTANCE = 3"																																									
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		EXAMPLES SHOWN FOR ILLUSTRATIVE PURPOSES ONLY FASTENERS AND FOOTPRINTS USED ARE PROJECT SPECIFIC.																																									
<b>NOTES:</b> <ol style="list-style-type: none"> <li>STEEL REINFORCED PLASTIC CRADLE WITH A 2" WIDE BEARING SURFACE.</li> <li>AVAILABLE WITH RED, WHITE, BLUE, BLACK, GREEN OR YELLOW PLENUM RATED PLASTIC.</li> <li>SELF LOCKING LATCH SECURES CABLES IN PLACE. ELIMINATES ZIP TIES AND VELCRO.</li> <li>RIGID FOOTPRINT ELIMINATES THE NEED TO ATTACH TO CEILING GRID FOR NEC ARTICLE 300.</li> <li>ZINC PLATED STEEL ROD FOR CORROSION RESISTANCE.</li> <li>FOR ORDERING INFORMATION GO TO <a href="http://WWW.CEASATTACHMENTS.COM">WWW.CEASATTACHMENTS.COM</a></li> </ol>		 14840 Northam St., La Mirada, California 90638 877-989-4736 (US) 714-984-8350 877-525-8845 (Int'l) <a href="http://WWW.ISAT.COM">www.isat.com</a>																																									

CEAS FIG. 201 - STIFFY CLIP-ON COMFORT CRADLE				
 <b>CEAS</b>	 <b>UL</b>	 <b>CSA</b>	<b>SPRING STEEL GRIPPER</b>	
				<b>NON CONDUCTIVE PLENUM RATED POLYPROPYLENE COMFORT CRADLE LOCKING RESTRAINT LATCH</b>
COMPONENT	MAX LOAD	MAX HOLD		
		CAT 5B	CAT 6	CAT 6A
1" Cradle	25 lbs.	26	21	11
2" Cradle	45 lbs.	85	70	43
3 1/2" Cradle	65 lbs.	183	148	93
6" Cradle	75 lbs.	383	311	182
		CAT 7A (SFTP)		

**1" COMFORT CRADLE**

**2" COMFORT CRADLE**

**3 1/2" COMFORT CRADLE**

**6" COMFORT CRADLE**

**NOTES:**

1. STIFF, REINFORCED PLASTIC CRADLE WITH A 2" WIDE BEARING SURFACE.
2. AVAILABLE WITH RED, WHITE, BLUE, BLACK, GREEN OR YELLOW PLENUM RATED PLASTIC.
3. SELF LOCKING LATCH SECURES CABLES IN PLACE. ELIMINATES ZIP TIES AND VELCRO.
4. ZINC PLATED STEEL ROD FOR CORROSION RESISTANCE.
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Classified by Underwriters Laboratories, Inc.  
to ANSI/UL 1479 (ASTM E814) and CAN/ULC S515 **System No. C-AJ-3260**

ANSI/UL 1479 (ASTM E814)	CAN/ULC S515
F Rating - 2 hr	F Rating - 2 hr
T Ratings - 0 and 1/2 hr (See Item 4)	FT Ratings - 0 and 1/2 hr (See Item 4)
L Rating At Ambient - 2.3 CFM/Device Module	PH Rating - 2 hr
L Rating At 400 F - 2.3 CFM/Device Module	PTH Ratings - 0 and 1/2 hr (See Item 4)
	L Rating At Ambient - 2.3 CFM/Device Module
	L Rating At 400 F - Less Than 2.3 CFM/Device Module

Section A-A

- Floor or Wall Assembly** - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (105-150 psf or 4800-3400 kg/m<sup>2</sup>) concrete. Wall may also be constructed of any UL Classified Concrete Blocks<sup>®</sup>. Floor may also be constructed of any UL Classified hollow-core Precast Concrete Units<sup>®</sup>. Dia of opening to be 6 in. (152 mm). See Concrete Blocks (GZT) or Precast Concrete Units (CPVT) category in the Fire Resistance Directory for names of manufacturers.
- Steel Sleeve** - (Optional) - Min 6 in. (152 mm) diam Schedule 10 to Schedule 40 steel pipe or rigid steel conduit cast or grouted into concrete floor or wall flush with floor or wall surfaces.
- Firestop Device** - One firestop device module caulked within the opening. The firestop device module consists of a 4 by 4-5/8 by 14 in. (102 by 118 by 356 mm) long gray steel tube with an intumescent material lining. Firestop device module to be installed in accordance with the accompanying installation instructions. The space between the firestop device module and the periphery of the opening shall be no less than 1/2 in. (13 mm, point contact) to max 1 in. (25 mm). Firestop device module secured in place by means of steel restraint plates (size to accommodate the firestop device module). Steel restraint plates each provided with an intumescent gasket and secured to lap onto floor or wall surfaces. Steel restraint plate installed on both sides of floor or wall and secured to firestop device module with steel set screws. The firestop device module is to be installed with its ends projecting an equal distance beyond each surface of the floor or wall assembly. As an option, firestop device may be cast or grouted into floor/wall assembly. When device is cast or grouted in place, the steel restraint plates are optional.

SPECIFIED TECHNOLOGIES INC - EZ PATH Series 44+ Fire Rated Pathway

Specified Technologies Inc. 219 Evans Way Somerville, NJ 08876

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CNA0601 Rev 01 January 23, 2014

C-AJ-3260

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**3A. Flexstop Device™ - Extension Module - (Optional, Not Shown)** - Extension module attached to ends of flexstop device (Item 3) to increase its length to facilitate installation in thicker floors or walls. Each module consists of a 4 by 4.58 by 6 in. (102 by 118 by 152 mm) long galv steel tube with an insulating material lining. Extension module to be installed in accordance with the accompanying installation instructions. When module is used, flexstop device (Item 3) and extension module(s) secured in place by means of sheet plates installed with galvanizing material supplied with product. Sheet plates installed on both sides of floor or wall and secured to device or extension module by means of sheet fast screws provided with plates. Flexstop device and extension module(s) assembly to be installed with ends projecting an equal distance beyond notch surface of the floor or wall assembly.

**SPECIFIED TECHNOLOGIES INC - ST2 PATH Series 44 - Extension**

**4. Cables** - Cables may represent a 0 to max 100 percent visual fill within the leading area for the flexstop device module. Cables to be rigidly supported on both sides of the floor or wall assembly. Any combination of the following types of cables may be used:

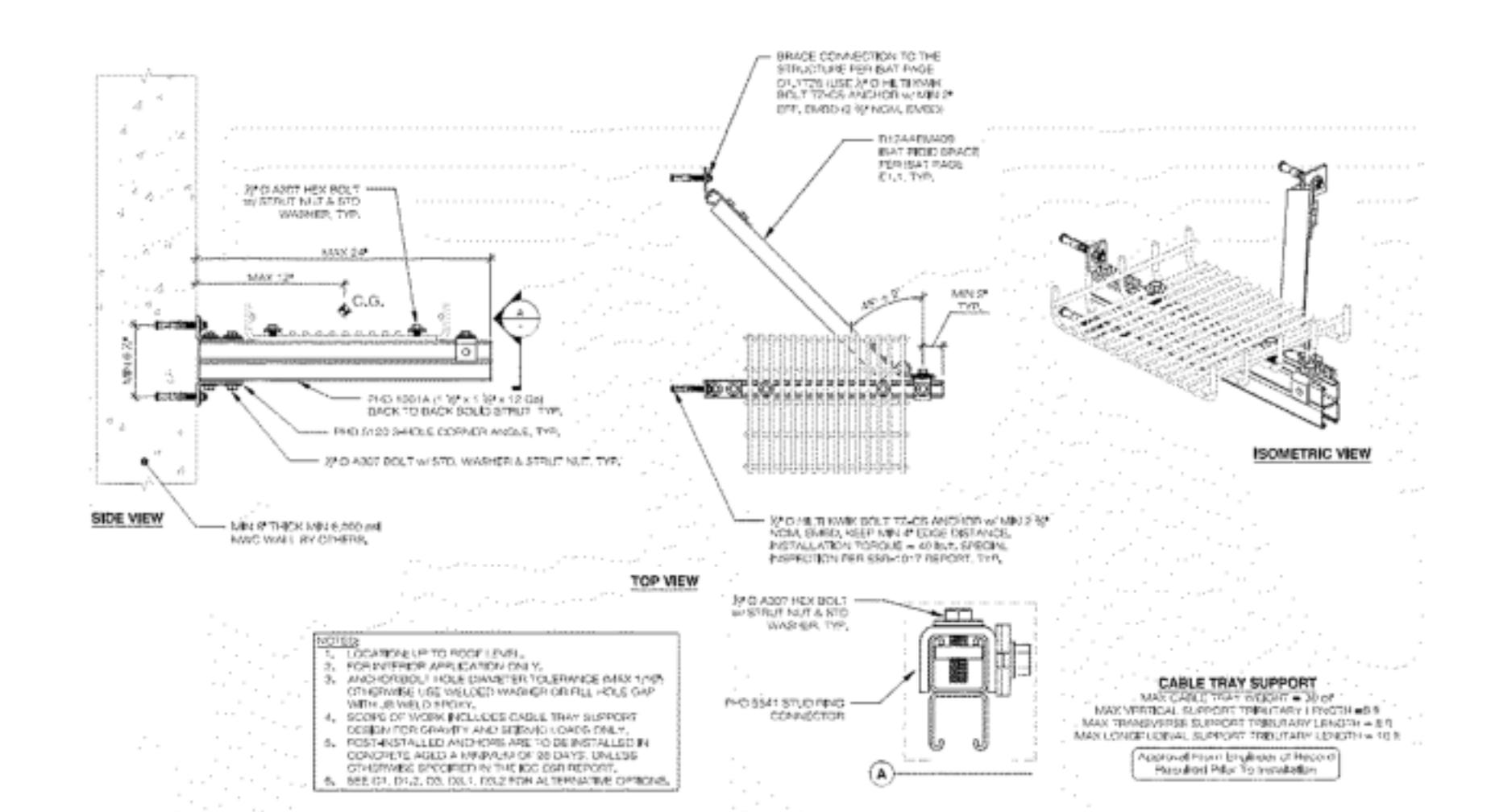
- Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) or platinum-related jacketing and insulation.
- Max 750 kcmil single copper conductor power cable with XLPE jacket and insulation.
- Max 7/0 No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
- Max 3/C No. 20 AWG jacketed or armored cable with steel or aluminum jacket.
- Max 3/C No. 18 AWG NM cable (Romex) with PVC insulation and jacket.
- Max 4 pair No. 22 AWG (or smaller) copper conductor data cable with PVC or platinum rated jacketing and insulation.
- Coaxial cable with fluorinated ethylene or PVC insulation and jacketing having a case outer of 5/8 in. (16 mm).
- Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 5/8 in. (16 mm).

When cable fill within the device is max 0 percent (empty) to max 20 percent, the T, FT and FTH Ratings are 9 Hr. When cable fill within the device is greater than 20 percent, the T, FT and FTH Ratings are 12 Hr.

\*Seeing the UL Listing Mark

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

2 C-AJ-3260  
12" = 1'-0"



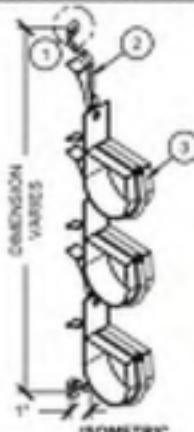
**4 WALL MOUNTED CABLE TRAY**

CEAS FIG. 202 - STIFFY WALL RACK SUPPORT					
 <b>FASTENER AND FOOTPRINT OPTION:</b> FASTENER OPTION: A-10 DESCRIPTION: DEWALT 1 1/2" (3.14 CM) EMBEDDING SHANK: PH1 (0.307" HD O.D.) ITEM NUMBER: 50064 APPROVAL: IESR 2024 (TABLE IA & 3A) SUBSTRATE: CONCRETE - 3,000 PSI LWC & 3,000 PSI HWC NOTES: 1. CONCRETE THICKNESS MUST BE AT LEAST 3 X THE EMBEDMENT DEPTH OF THE FASTENER. 2. MINIMUM EDGE DISTANCE = 3". 3. WHEN 60° FOOTPRINTS ARE USED FASTENERS CAN BE INSTALLED FROM THE GROUND WITH THE CEAS STIFFY TOOL.					
<b>COMPLETE ASSEMBLY CAPACITY:</b>					
		COMPLETE ASSEMBLY CAPACITY			
COMPONENT	BMU LOAD	BMU FILL			
		CAT 5E	CAT 6	CAT 6A	CAT 7A (GTP)
1" Cradle	25 lbs	29	21	11	10
2" Cradle	40 lbs	50	40	24	24
3-1/2" Cradle	40 lbs	103	148	82	82
6" Cradle	72 lbs	263	311	182	188

\*COMBINED WEIGHT OF ALL ITEMS AFFIXED TO THE ROD SHALL NOT EXCEED THE COMPLETE ASSEMBLY CAPACITY.

	<b>1/4" ZINC PLATED ROD</b>
	<b>FIG. 201 - CLIP-ON COMFORT CRADLE SIZE &amp; QUANTITY VARY</b>

**ASSEMBLY INFORMATION:**









- EXAMPLES SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.
- FASTENERS AND FOOTPRINTS USED ARE PROJECT SPECIFIC.
- QTY OF COMPONENTS SUPPORTED PER ROD IS DETERMINED BY STIFFY SUPPORT CAPACITY OR LOCAL CODES.

**NOTES:**

- GALVANIZED STEEL WALL RACK SUPPORTS COMFORT CRADLES AND ELIMINATES CABLE TRAY.
- STEEL REINFORCED PLASTIC CRADLE WITH A 2" WIDE BEARING SURFACE.
- AVAILABLE WITH RED, WHITE, BLUE, BLACK, GREEN OR YELLOW PLENUM RATED PLASTIC.
- SELF LOCKING LATCH SECURES CABLES IN PLACE. ELIMINATES ZIP TIES AND VELCRO.
- FOR ORDERING INFORMATION GO TO [WWW.CEASATTACHMENTS.COM](http://WWW.CEASATTACHMENTS.COM).





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DATE: 08/05/19

CEAS FIG. 203 - STIFFY FIXED WALL RACK SUPPORT																																							
<b>FASTENER AND FOOTPRINT OPTION:</b>																																							
FASTENER OPTION A-31 DESCRIPTION: DRYWALL + 1/4" (7) EMBEDDED X 6 HS SHANK PN G3007 HEAD DA ITEM NUMBER: 30302 APPROVAL: ESR 2024 (TABLE IA & SA) SUBSTRATE CONCRETE - 3,000 PSI LWC & 3,000 PSI NWC NOTES: 1. CONCRETE THICKNESS MUST BE AT LEAST 3X THE EMBEDMENT DEPTH OF THE FASTENER. 2. MINIMUM EDGE DISTANCE = 3' 3. WHEN 60° FOOTPRINTS ARE USED FASTENERS CAN BE INSTALLED FROM THE GROUND WITH THE CRAS STIFFY TOOL.																																							
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PAGE 203 .01 DATE 04/01/08																																							
<b>CEAS FIG. 205 - STIFFY 'SHORTY' COMFORT CRADLE</b>																																							
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NO FASTENER HEX WASHER HEAD SELF DRILLER HEX WASHER HEAD SHARP POINT WIDE MOUTH BEAM CLAMP WIDE MOUTH BEAM CLAMP - ROTATES 360° HAMMER-ON BEAM CLAMP HAMMER-ON BEAM CLAMP - ROTATES 360° BAR JOIST PULL DOWN CLAMP UNDER FLOOR SUPPORT TO 3/4" OD ROUND PEDESTAL UNDER FLOOR SUPPORT TO PRORAIL UNIVERSAL																																							
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<b>ASSEMBLY INFORMATION:</b>																																							
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1. STEEL REINFORCED PLASTIC CRADLE WITH A 2" WIDE BEARING SURFACE. 2. AVAILABLE WITH RED, WHITE, BLUE, BLACK, GREEN OR YELLOW PLUMERATED PLASTIC. 3. SELF LOCKING LATCH SECURES CABLES IN PLACE. ELIMINATES ZIP TIES AND VELCRO. 4. ZINC PLATED STEEL ROD FOR CORROSION RESISTANCE. 5. FOR ORDERING INFORMATION GO TO <a href="http://www.ceasattachments.com">www.ceasattachments.com</a> .																																							
14848 Northern St., La Mirada, California 90638 877-999-4736 (US) 714-954-6353 714-525-9845 (fax) <a href="http://www.ceas.com">www.ceas.com</a>																																							
PAGE 205 .01 DATE 04/01/08																																							

KEY PLAN			
 			
PROJECT			
<b>SANTA CLARA VALLEY MEDICAL CENTER NORTH UTILITY LOOP EXTENSION</b>			
SHEET TITLE			
TECHNOLOGY DETAILS			
SUBMITTAL	ISSUE FOR BID		
SCALE	As indicated		
DATE			
PROJECT NO.	1908		
PERMIT NO.	S192512-43-00-ACD003		
CAD FILE NAME: x_1908-bdr ACD03_30x42.dwg			
DRAWING NO.	<b>T501.1</b>		
SHT. NO.	28	OF	28