# **BLDG D 4TH STREET CONDOS**

47 W 5TH STREET SILVERTHORNE, CO

\*THIS TECHNOLOGY DRAWING SET IS NOT FINALIZED FOR CONSTRUCTION AND IS PENDING DESIGN REVIEW WITH OWNER

\*THIS TECHNOLOGY DRAWING SET IS PENDING THE JOINT TRENCH DESIGN FROM THE SERVICE PROVIDER(S) TO COMPLETE CONDUIT ROUTING ON SITE - NOT FINALIZED FOR CONSTRUCTION

SHEET NUMBER	SHEET DESCRIPTION	ISSUANCE TITLE	ISSUE DATE	REVISION TITLE	REVISION DATE
Technology Set	- General Information Sheet				
TG000	BUILDING TECHNOLOGY PROJECT COVER SHEET	50% CD SET	03/31/23		
TG001	GENERAL DETAILS	50% CD SET	03/31/23		
TG002	GENERAL DETAILS	50% CD SET	03/31/23		
Technology Set	- DataComm/Network System Sheets				
D-TD000	DATACOMM/NETWORK SYSTEM COVER SHEET	50% CD SET	03/31/23		
D-TD010	SITE PLAN - DATACOMM/NETWORK SYSTEM LAYOUT	50% CD SET	03/31/23		
D-TD201	BLDG D LEVEL 1 - DATACOMM/NETWORK SYSTEM LAYOUT	50% CD SET	03/31/23		
D-TD211	BLDG D LEVEL 2 - DATACOMM/NETWORK SYSTEM LAYOUT	50% CD SET	03/31/23		
D-TD221	BLDG D LEVEL 3 - DATACOMM/NETWORK SYSTEM LAYOUT	50% CD SET	03/31/23		
TD303	BLDG D - DATACOMM/NETWORK MDF/IDF ELEVATIONS	50% CD SET	03/31/23		
TD313	BLDG D - DATACOMM/NETWORK RISER SECTIONS	50% CD SET	03/31/23		
TD700	DATACOMM/NETWORK SYSTEM UNIT PLANS	50% CD SET	03/31/23		
TD701	DATACOMM/NETWORK SYSTEM UNIT PLANS	50% CD SET	03/31/23		
TD702	DATACOMM/NETWORK SYSTEM UNIT PLANS	50% CD SET	03/31/23		
TD703	DATACOMM/NETWORK SYSTEM UNIT PLANS	50% CD SET	03/31/23		
TD704	DATACOMM/NETWORK SYSTEM UNIT PLANS	50% CD SET	03/31/23		
TD705	DATACOMM/NETWORK SYSTEM UNIT PLANS	50% CD SET	03/31/23		
TD800	DATACOMM/NETWORK SYSTEM DETAILS	50% CD SET	03/31/23		
Technology Set	: - Security System				1
D-TS000	SECURITY SYSTEM COVER SHEET	50% CD SET	03/31/23		
D-TS001	SECURITY SYSTEM MOUNTING HEIGHTS	50% CD SET	03/31/23		
D-TS201	BLDG D LEVEL 1 - SECURITY SYSTEM LAYOUT	50% CD SET	03/31/23		
TS801	ACCESS CONTROL SYSTEM DOOR DETAILS	50% CD SET	03/31/23		
TS802	ACCESS CONTROL SYSTEM GATE DETAILS	50% CD SET	03/31/23		
TS803	CCTV SYSTEM DETAILS	50% CD SET	03/31/23		
TS900	ACCESS CONTROL SYSTEM DOOR	50% CD SET	03/31/23		
TS901	LOCK SCHEDULE	50% CD SET	03/31/23		
TS902	CCTV SCHEDULE & DIAGRAM	50% CD SET	03/31/23		

MASTER KEYNOTE LEGEND			
Key Value	Keynote Text		
D01	30"X30"X12" CEILING MOUNTED PULL-BOX FOR HORIZONTAL ROUTING TO VERTICAL ROUTING TRANSITION		
D09	POWER REQUIREMENT: DUPLEX RECEPTACLE		
D10	POWER REQUIREMENT: DUPLEX RECEPTACLE & J-BOX WITH 2 WHIPS FOR POWER SUPPLIES ON DEDICATED 20 AMP CIRCUIT		
D13	SMART THERMOSTAT - COORDINATE LOCATION WITH MECHANICAL PLANS		
D14	STAND-ALONE ELECTRONIC UNIT LOCK WITH MOBILE CREDENTIAL CAPABILITY & SHARED CREDENTIAL WITH COMMON AREA ACCESS CONTROL SYSTEM		
D20	EMERGENCY/RATH PHONE IN EACH ELEVATOR, TYP. CELL DIALER PREFERRED. CABLING FROM EMERGENCY PHONE TO BE PROVIDED PER SERVICE PROVIDER PREFERENCE (CAT6,TYP). CABLING TO RUN FROM EACH EMERGENCY PHONE TO MODEM, THEN TO FACP, TYP.		

#### **ANNOTATION LEGEND:**

#### APPLICABLE CODE SERIES: 2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL RESIDENTIAL CODE

GRAPHIC SCALE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAAL ENERGY CONSERVATION CODE

ICC/ANSI A117.1 2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

S1 STORAGE ROOMS AT LEVEL 1 PARKING AT LEVEL 1 RESIDENTIAL AT LEVELS 2 THRU 3 NORTH ARROW REFERENCE

PRIMARY BUILDING USE: RESIDENTIAL

CONSTRUCTION TYPE: TYPE VB AT LEVELS 1 THRU 3

2018 INTERNATIONAL FIRE CODE 2020 NATIONAL ELETRICAL CODE

A2 ASSEMBLY AT LEVELS 1

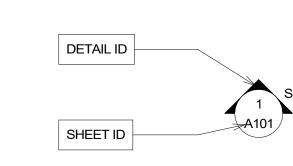
PROJECT CODE SUMMARY:

OCCUPATION GROUP:

UNITS:

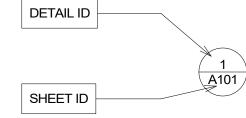
3 LEVELS ABOVE GRADE BUILDING FLOORS:

72 TOTAL UNITS IN PROJECT SECTION REFERENCE



DETAIL REFERENCE

**ELEVATION REFERENCE** 



SHEET ID

#### **ABBREVIATIONS:**

AC - ABOVE COUNTER-TOP AFF - ABOVE FINISH FLOOR AP - ACCESS PANEL AV - AUDIO VISUAL EQUIPMENT RACK BDA - BI-DIRECTIONAL AMPLIFICATION BLDG - BUILDING BOH - BACK OF HOUSE BT - BLUETOOTH DC - DOOR CONTACT SENSOR DP - DOOR POSITION SENSOR EB - REQUEST TO EXIT BUTTON F/C - FLOOR/CEILING FM - FLOOR MOUNTED FUNC - FUNCTION FS - FIBER SWITCH HDWR - HARDWARE IC - INTERCOM IDC - INTRUSION DETECTION CONTROLLER IDF - INTERMEDIATE DISTRIBUTION FRAME ISP - INTERNET SERVICE PROVIDER KP - KEYPAD MDF - MAIN DISTRIBUTION FRAME MS - MOTION SENSOR NVR - NETWORK VIDEO RECORDER NS - NETWORK SWITCH POE - POWER OVER ETHERNET PP - PATCH PANEL PS - POWER SUPPLY **REX - REQUEST TO EXIT** RF - RADIO FREQUENCY TE - TELE-ENTRY SYSTEM TYP - TYPICAL UHF - ULTRA HIGH FREQUENCY

UPS - UNINTERRUPTIBLE POWER SUPPLY

VC - VOLUME CONTROL

**VS - VIBRATION SENSOR** 

WM - WALL MOUNTED

WAP - WIRELESS ACCESS POINT

**SET GENERAL NOTES:** 

DESIGNS MUST BE COORDINATED WITH OTHER TRADES TO ENSURE A CLEAN APPEARANCE. CONTRACT DOCUMENTS OF ALL RELEVANT TRADES MUST BE REVIEWED BY INSTALLER. COORDINATE NECESSARY EQUIPMENT & FIXTURES SO THE FINAL INSTALLATION IS COMPATIBLE WITH OTHER TRADES. MOUNTING HEIGHTS SHOWN ON ARCHITECTURE DRAWINGS & ELEVATIONS TAKE PRECEDENCE TO ANY SHOWN DIMENSIONS.

ALL DEVICES INDICATED TO BE INSTALLED AT DIFFERENT MOUNTING HEIGHTS AND LOCATED WITHIN ONE STUD BAY FROM EACH OTHER SHALL ALIGN VERTICALLY, ON THE SAME SIDE OF THE STUD. DRAWINGS IN THIS SET ARE SCHEMATIC IN NATURE AND SHOULD NOT BE SCALED. EXACT LOCATIONS SHOULD BE SETTLED IN THE FIELD IN COORDINATION

WITH OTHER TRADES AND LOCAL CODE(S) ALL PENETRATIONS THROUGH RATED ASSEMBLIES AND CONDUIT/SLEEVE OPENINGS SHALL BE SEALED WITH MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES, HOT GASSES AND SMOKE WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARDS FOR EACH SPECIFIC ASSEMBLY

REFER TO ARCHITECTURAL DRAWINGS FOR MINIMUM CLEARANCE REQUIREMENTS TO DUCTWORK, CONDUIT, CABLE TRAY, LIGHTING, ETC. ALL DATA CABLING TERMINATIONS TO FOLLOW ANSI/TIA-568-E ALL WORK SHOULD BE PERFORMED TO CURRENT TIA STANDARDS

CNCI (CERTIFIED NETWORK CABLE INSTALLER) & INST1 (BICSI INSTALLER 1). INSTC, INSTF AND TECH BICSI CERTIFICATIONS ARE ALSO ACCEPTABLE. EVERBASE SOLUTIONS WILL BE SUBMITTING THE JOINT TRENCH DESIGN AFTER AN APPROVED JOINT TRENCH PLAN IS RECEIVED FROM THE CIVIL ENGINEER OR DRY UTILITY CONSULTANT VIA "DEFERRED JOINT TRENCH UPDATE" INDEPENDENT OF TYPICAL DESIGN TEAM SCHEDULE. DESIGN SCOPE DOES NOT INCLUDE DATA FOR UTILITY SUBMETERING, TYP.

ALL STRUCTURED CABLING TO BE PERFORMED BY INSTALLERS POSSESSING ONE OF THE FOLLOWING CERTIFICATIONS/CREDENTIALS IN GOOD STANDING:

TECHNOLOGY DRAWING SET DOES NOT INCLUDE SCOPE FOR LOW VOLTAGE LIGHTING, INCLUDING LED STRIPS AND FIXTURES, OR LOW VOLTAGE POWER, INCLUDING ANY USB VARIATION OF CHARGING OR POWER SUPPLY. THESE SCOPES ARE COVERED BY THE LIGHTING AND POWER PLANS RESPECTIVELY, TYP. TECHNOLOGY DRAWING SET DOES NOT INCLUDE DESIGN FOR FIRE ALARM SYSTEM, EMERGENCY TELEPHONE SYSTEM, DAS OR BDA SYSTEMS OR ANY OTHER SYSTEMS THAT SPECIFICALLY PERTAIN TO LIFE SAFETY, TYP. PLEASE RE: THE GENERAL CONTRACTOR AND/OR OWNER FOR THESE ITEMS.

NOTE: EMERGENCY LINES ARE CALLED OUT FOR POOL AREAS AND ELEVATORS AS REQUIRED BY RESPECTIVE AHJ. 13. RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE ARE TYPICAL ARRANGEMENTS AND ARE NOT SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK COMPONENTS TO MEET SYSTEM FUNCTIONALITY REQUIREMENTS.

PROJECT DIRECTORY:

MILENDER WHITE 12655 W 54TH DRIVE ARVADA, CO 80002 P: (303) 216-0420

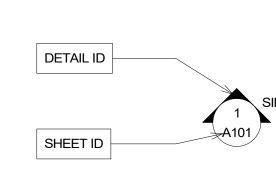
CRAINE ARCHITECTURE 2490 WELTON ST **DENVER, CO & 80205** P: (720) 457-2012

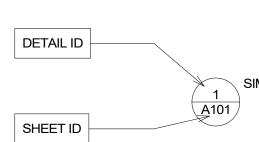
**ELECTRICAL ENGINEER:** MDP ENGINEERING 1800 GLENARM PL **DENVER, CO 80212** P: (303) 389-0095

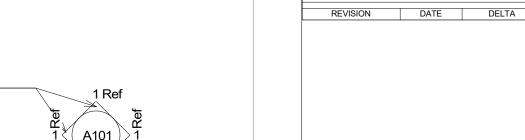
CIVIL ENGINEER: TETRA TECH 130 SKI HILL ROAD SUITE 140 BRECKENRIDGE, CO 80424 P: (970) 453-6394

LANDSCAPE ARCHITECT DTJ DESIGN 3101 IRIS AVE BOULDER, CO 80301 P: (303) 443-7533

TECHNOLOGY CONSULTANT: **EVERBASE SOLUTIONS** DENVER | CO O: 885-255-5521







SYSTEM REVIEWER: ECS JOB NUMBER: ES-3247 SHEET INFORMATION:

TECHNOLOGY CONSULTANT

**EVERBASE** 

SOLUTIONS

O: 855-255-5521

WWW.EVERBASESOLUTIONS.COM

**BUILDING TECHNOLOGY** PROJECT COVER SHEET

SHEET NUMBER:

SHEET TITLE:

ORIGINAL ISSUANCE:

NOT FOR CONSTRUCTION **REVISIONS** 

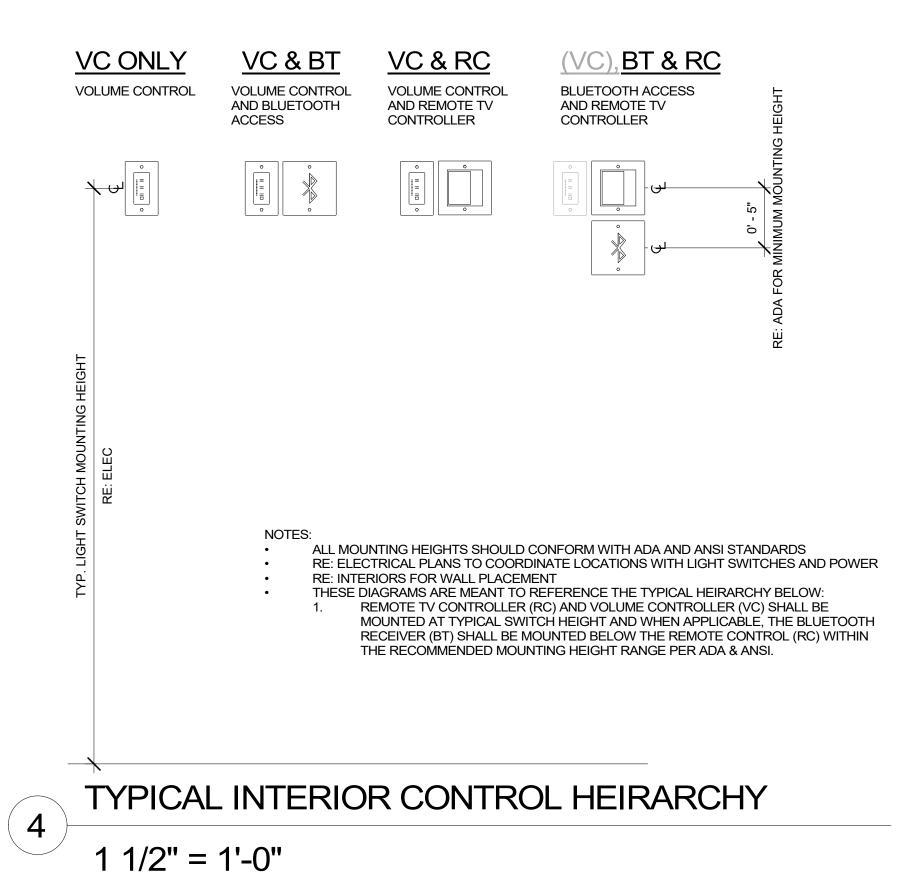
### **VAULT SPACING DETAIL**

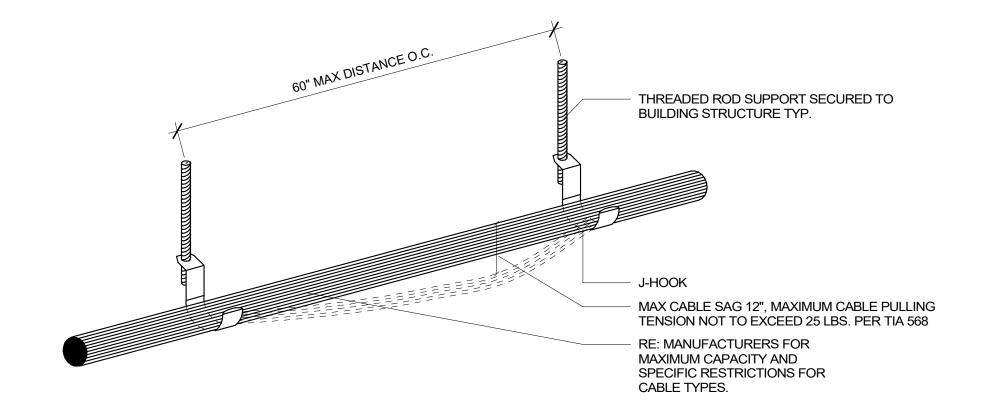
PROVIDER A VAULT DETAIL	PROVIDER B	VAULT DETAIL <u>E</u>	SUILDING NETWORK VAULT D	<u>ETAIL</u>
	SERVICE OUT TO NEXT SERVIC	SERVICE OUT TO NEXT VAULT/PEDESTAL	SERVICE TO BLDG	
1-4" CONDUIT	ONDUIT 1-4" CONDUIT	1-4" CONDUIT 1-	1" CONDUIT	CONDUIT
VICE IN 1-2" CONDUITS	SERVICE IN 1-2" C	ONDUITS SERVICE II	1-2" CONDUITS	
ONDUIT & VAULT NOTES:	REQUIR	RED SERVICE PROVIDER CONDU	II CLEARANCES:	
SEE SHEET TD-010 FOR CONDUIT ROUTING	G • 12	" SEPARATION FROM POWER OR GAS LIN	ES .	
SEE SHEET TD-010 FOR CONDUIT ROUTING CONDUIT COUNTS VARY PER VAULT BASE	G • 12 D ON NUMBER OF BUILDINGS • 24	" SEPARATION FROM POWER OR GAS LIN " MINIMUM DEPTH OF COVER ABOVE CON	ES DUIT	
SEE SHEET TD-010 FOR CONDUIT ROUTING CONDUIT COUNTS VARY PER VAULT BASE SERVED CONDUIT SWEEPS MUST BE A MINIMUM O	G • 12 D ON NUMBER OF BUILDINGS • 24 • DO F 36" • O	" SEPARATION FROM POWER OR GAS LIN " MINIMUM DEPTH OF COVER ABOVE CON D NOT ROUTE CONDUIT UNDER ANY CONE THER SITE OBSTRUCTIONS WHICH COULD	ES DUIT	
SEE SHEET TD-010 FOR CONDUIT ROUTING CONDUIT COUNTS VARY PER VAULT BASE SERVED CONDUIT SWEEPS MUST BE A MINIMUM O CONDUIT RUNS NOT TO EXCEED 270° OF E	G • 12 D ON NUMBER OF BUILDINGS • 24 • DO F 36" OT BEND, WIDE SWEEPS EXEMPT • PF	" SEPARATION FROM POWER OR GAS LIN " MINIMUM DEPTH OF COVER ABOVE CON D NOT ROUTE CONDUIT UNDER ANY COND	ES DUIT	
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CARRIER VAULT DETAIL - TYP.

NTS

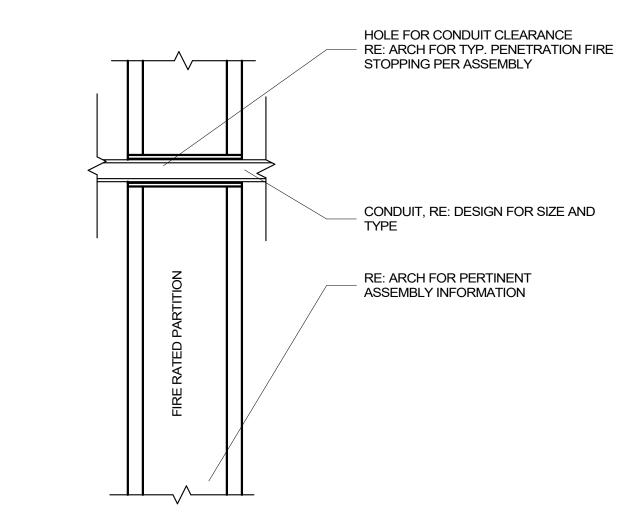
LATERALS, TYP.



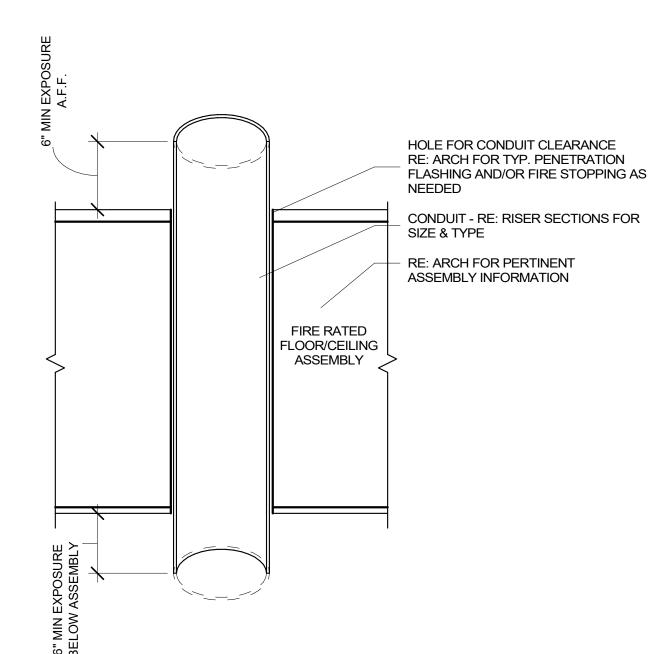


J-HOOK CABLE SUPPORT TYPICAL DETAIL

NTS



CONDUIT PENETRATION - RATED WALL ASSEMBLY



CONDUIT SLEEVE PENETRATION - RATED F/C ASSEMBLY

3" = 1'-0"

TECHNOLOGY CONSULTANT

EVERBASE
SOLUTIONS
DENVER | CO

O: 855-255-5521
WWW.EVERBASESOLUTIONS.COM
PROJECT INFORMATION

SLDG D 4TH STREET SII VERTHORNE CO

ORIGINAL ISSUANCE:

50% CD SET

NOT FOR CONSTRUCTION

REVISIONS

REVISION

DATE

DELTA

SYSTEM DESIGNER:

AD/AF

SYSTEM REVIEWER:

LR

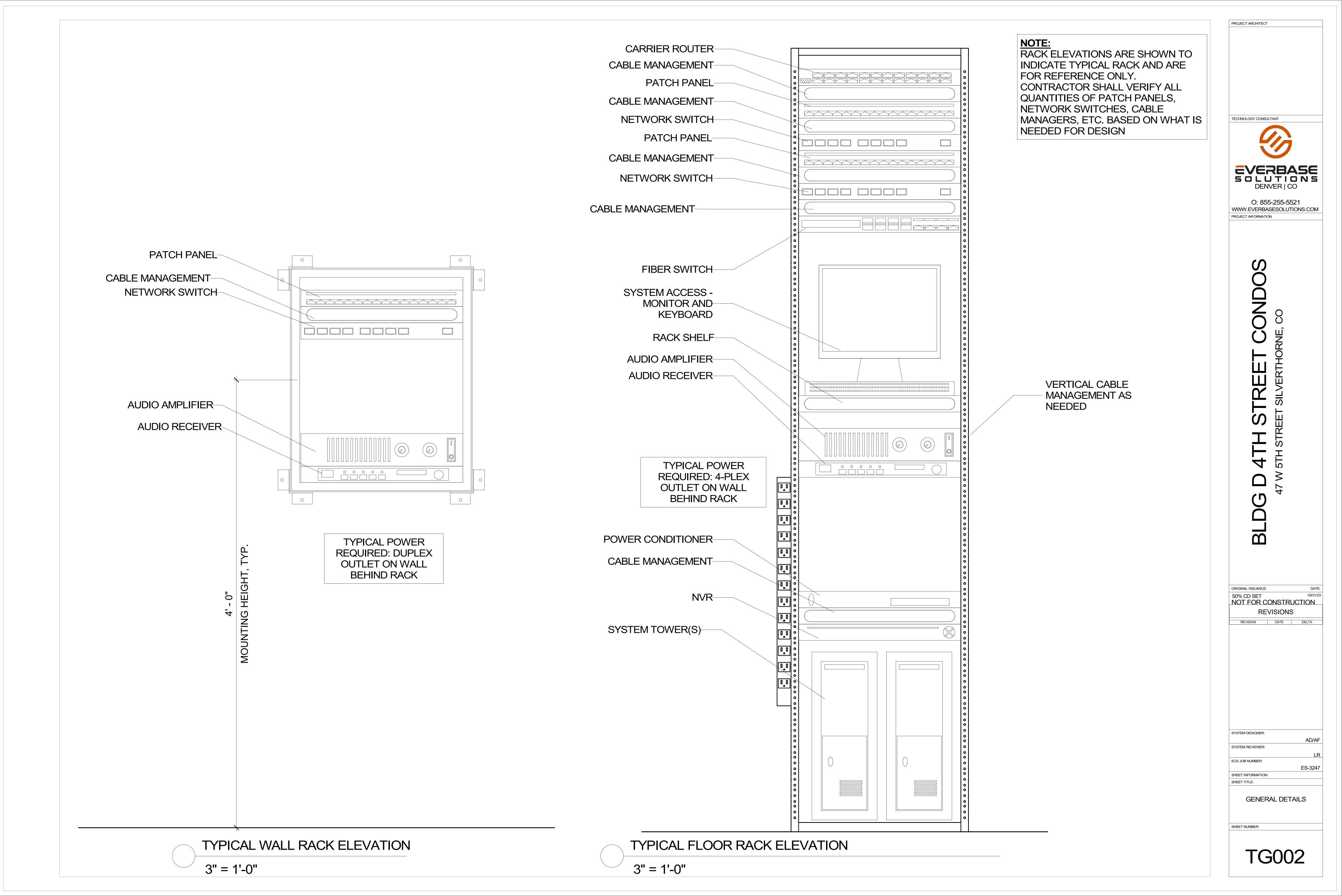
SYSTEM REVIEWER:

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ECS JOB NUMBER:
ES-324
SHEET INFORMATION:
SHEET TITLE:

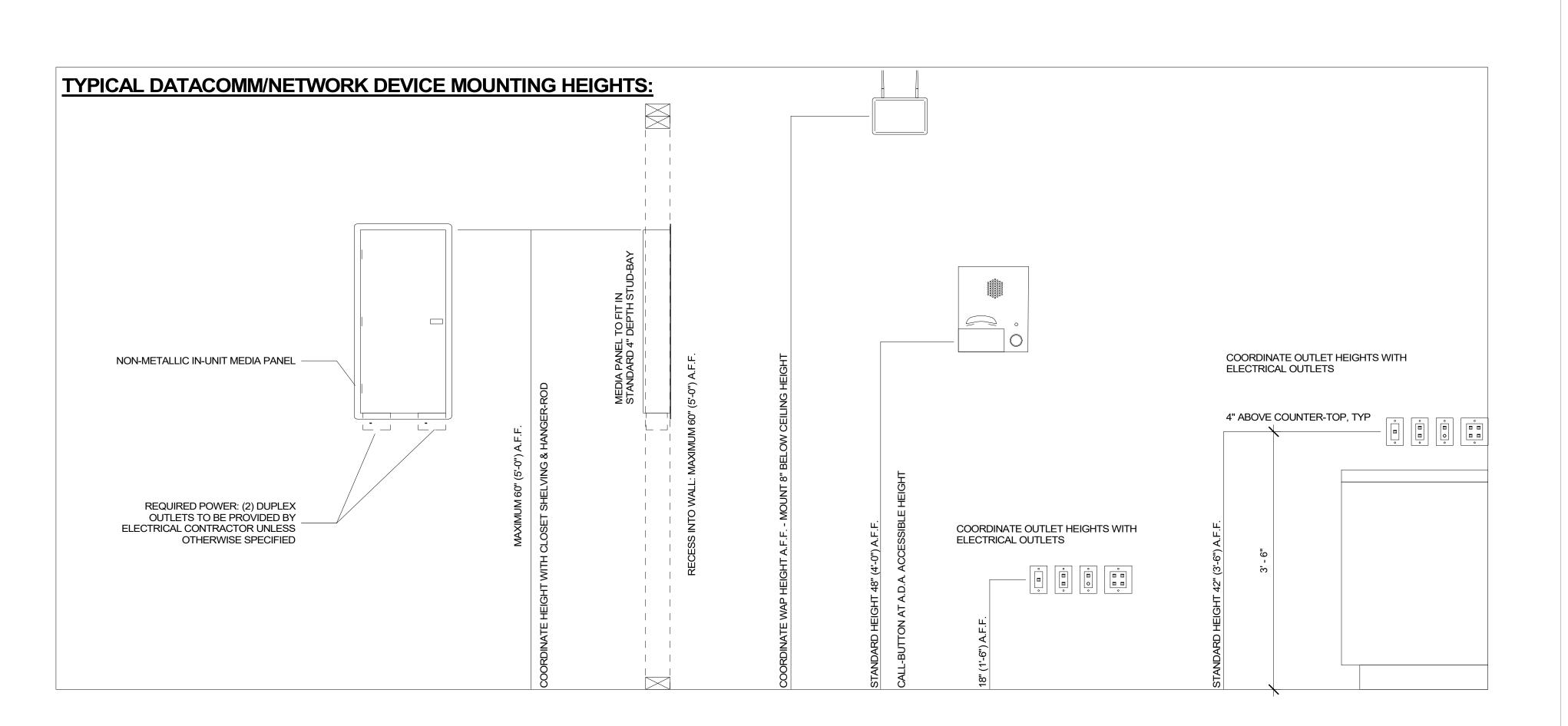
GENERAL DETAILS

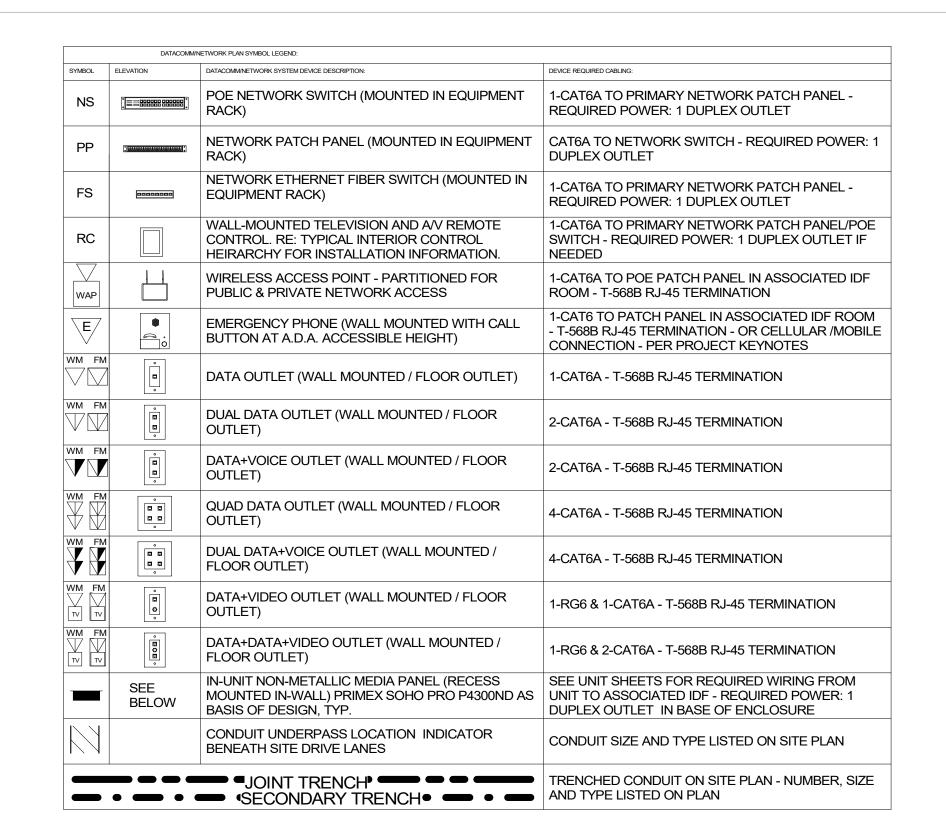
SHEET NUMBER:

TG001



SHEET NUMBER	SHEET DESCRIPTION	ISSUANCE TITLE	ISSUE DATE	REVISION TITLE	REVISION DATE
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PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



O: 855-255-5521 WWW.EVERBASESOLUTIONS.COM

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PROJECT INFORMATION

SLDG D 4TH STREET CONDO

ORIGINAL ISSUANCE: DATE:

50% CD SET 03/31/23

NOT FOR CONSTRUCTION

REVISIONS

REVISION DATE DELTA

SYSTEM DESIGNER:

AD/AF

SYSTEM REVIEWER:

LR

ECS JOB NUMBER:

ES-3247

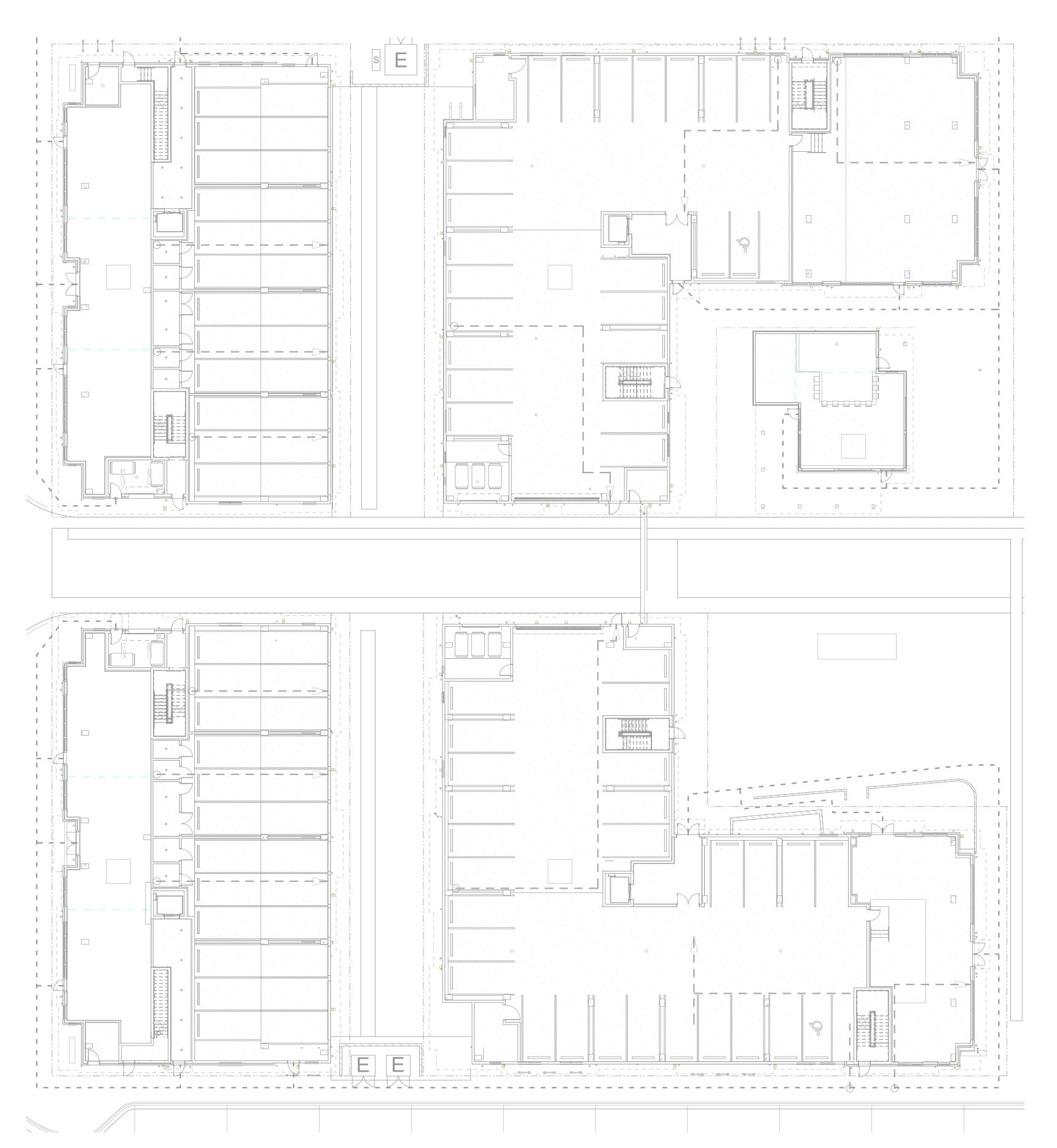
SHEET INFORMATION:
SHEET TITLE:

DATACOMM/NETWORK
SYSTEM COVER SHEET

D-TD000

SHEET NUMBER:

CONDUIT RUN ESTIMATE SCHEDULE - INTERNAL USE ONLY, TYP Type Diameter(Trade Size) Length Comments



**DATACOMM GENERAL NOTES** REFER TO SHEET TD-000 FOR STANDARD

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

PROJECT INFORMATION

OND

**EVERBASE** 

SOLUTIONS

DENVER | CO

O: 855-255-5521

WWW.EVERBASESOLUTIONS.COM

**REQUIREMENTS & MOUNTING HEIGHTS** COMPONENTS TO MEET SYSTEM

REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT &

REFER TO DATACOMM/NETWORK DETAIL

AS SPECIFIED **ELECTRICAL CONTRACTOR TO PROVIDE BOTH** TRENCH AND ABOVE GROUND CONDUIT AS

ALL CABLING IS TO BE ROUTED THROUGH BY INSTALLING CONTRACTOR

BENDS BETWEEN PULL POINTS & ALL 90° LATERAL BENDS TO BE 60" MINIMUM RADIUS

DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET) PROVIDER TERMINATIONS DATA+DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)

CONDITIONS, EVERBASE CONSULTING THIS AFFECTS THE PROVIDERS DESIGN WIRELESS ACCESS POINTS TO PROVIDE

FOR SECURE STAFF-ONLY NETWORK ACCESS BLOCKING REQUIRED AT ALL COMMON AREA TV LOCATIONS

TO BE ROUTED TO NEAREST WALL THAT EXTENDS TO AN ACCESSIBLE CEILING MDF/IDF LAYOUTS ARE SCHEMATIC IN NATURE, ACTUAL INSTALLATION MAY VARY BASED ON FIELD CONDITIONS AND INTEGRATION MEANS

WHEN MULTIPLE CARRIERS ARE PRESENT IN AN MDF/IDF ROOM, EACH CARRIER'S HOME RUN CABLING SHALL BE IN SEPARATE SLEEVING.

ALLOW 48" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ELECTRICAL TRANSFORMERS PER THE LATEST VERSION OF

ALLOW 36" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ANY ELECTRICAL EQUIPMENT, PER THE LATEST VERSION OF TIA

BE A/C GRADE AND FINISHED WITH TWO COATS OF FIRE-RETARDANT PAINT. PLYWOOD SHALL BE PAINTED PRIOR TO INSTALLATION OF ANY EQUIPMENT. PLYWOOD SHALL BE MOUNTED VERTICALLY WITH BOTTOM OF PLYWOOD MOUNTED (6 IN.) ABOVE THE FINISHED FLOOR AND ANY FIRE RATING STAMPS VISIBLE AT ALL

HEATING AND COOLING OF MDF/IDF ROOMS ARE TO BE DETERMINED ON A CASE-BY-CASE BASIS, BUT IT IS TYPICAL THAT A SPLIT DUCT SYSTEM IS SERVICING THE MDF AND IDF ROOMS WITH ONLY SERVICE PROVIDER EQUIPMENT CAN BE SERVICED WITH TRANSFER FANS.

RE: MEP DRAWINGS FOR PLENUM SPACES AND AVAILABILITY TO ENSURE SPACE REQUIREMENTS ARE MET. ANY OR ALL SHAFTS ARE IN USE BY MEP TYP., DO NOT PLAN ON USE OF SHAFT UNLESS TECHNOLOGY DESIGN

SCALE

Key Value

DATACOMM/NETWORK PLAN SYMBOL LEGEND:

YMBOL DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:

NETWORK PATCH PANEL

FS (MOUNTED IN EQUIPMENT RACK)

WIRELESS ACCESS POINT -

PARTITIONED FOR PUBLIC &

PRIVATE NETWORK ACCESS

ÀT A.D.A. ACCESSIBLE HEIGHT)

NS | | NEQUIPMENT RACK)

RC REMOTE CONTROL

DATA OUTLET (WALL

MOUNTED / FLOOR OUTLET)

DUAL DATA OUTLET (WALL

MOUNTED / FLOOR OUTLET)

DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)

QUAD DATA OUTLET (WALL

MOUNTED / FLOOR OUTLET)

| DUAL DATA+VOICE OUTLET (WALL

SITE PLAN CONDUIT UNDERPASS

LOCATION AT DRIVE LANES ON SITE

— — — JOINT TRENCH— — —

● SECONDARY TRENCH● ● ■■■

MOUNTED / FLOOR OUTLET)

POE NETWORK SWITCH (MOUNTED

(MOUNTED IN EQUIPMENT RACK)

NETWORK ETHERNET FIBER SWITCH

EMERGENCY PHONE W/ CELL DIALER

(WALL MOUNTED WITH CALL BUTTON

WALL-MOUNTED TELEVISION AND A/V

DATACOMM/NETWORK DEVICE CABLING RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE ARE TYPICAL ARRANGEMENTS AND ARE NOT SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK FUNCTIONALITY REQUIREMENTS.

RISER ROUTING REFER TO DATACOMM/NETWORK UNIT SHEETS FOR REQUIRED UNIT "HOME RUN" WIRING & IN-UNIT DATACOMM/NETWORK DEVICE LAYOUT

SHEETS FOR DATACOMM/NETWORK SYSTEM

**DETAILS & DIAGRAMS** RE: ELECTRICAL DRAWINGS & SPECIFICATIONS FOR FACEPLATE AND OUTLET COLORS, TYP. CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS ELECTRICAL CONTRACTOR TO PROVIDE POWER

SPECIFIED DESIGNATED CONDUIT, SLEEVING & PULL BOX

SERVICE PROVIDER & SYSTEMS NETWORK BACKBONE CONDUIT TO BE LIMITED TO 270° OF

ELECTRICAL CONTRACTOR TO PROVIDE #6 COPPER GROUND AT EACH MDF/IDF ROOM - TO BE LOCATED ADJACENT TO THE SERVICE UNIT TERMINATIONS MUST BE WIRED TO IDF AS

INDICATED, PER THIS DESIGN. \* SHOULD UNITS BE WIRED TO A DIFFERENT IDF DUE TO FIELD SOLUTIONS IS TO BE IMMEDIATELY NOTIFIED AS PARTITIONED NETWORK ACCESS FOR PUBLIC &

COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS WITH ELECTRICAL CONTRACTOR - CONDUIT IS

AND METHODS.

PLYWOOD INSTALLED IN MDF/IDF ROOMS SHALL

ANY ELECTRIC VEHICLE CHARGING STATIONS TO BE CELLULAR DATA CONNECTION CAPABLE

UNLESS OTHERWISE NOTED, TYP.

INDICATES A SPECIFIC SHAFT IS TO BE USED.

**KEYNOTE LEGEND** 

Keynote Text

SYSTEM DESIGNER: SYSTEM REVIEWER:

ORIGINAL ISSUANCE: 50% CD SET

NOT FOR CONSTRUCTION REVISIONS

REVISION DATE DELTA

ECS JOB NUMBER: SHEET INFORMATION:

SHEET TITLE:

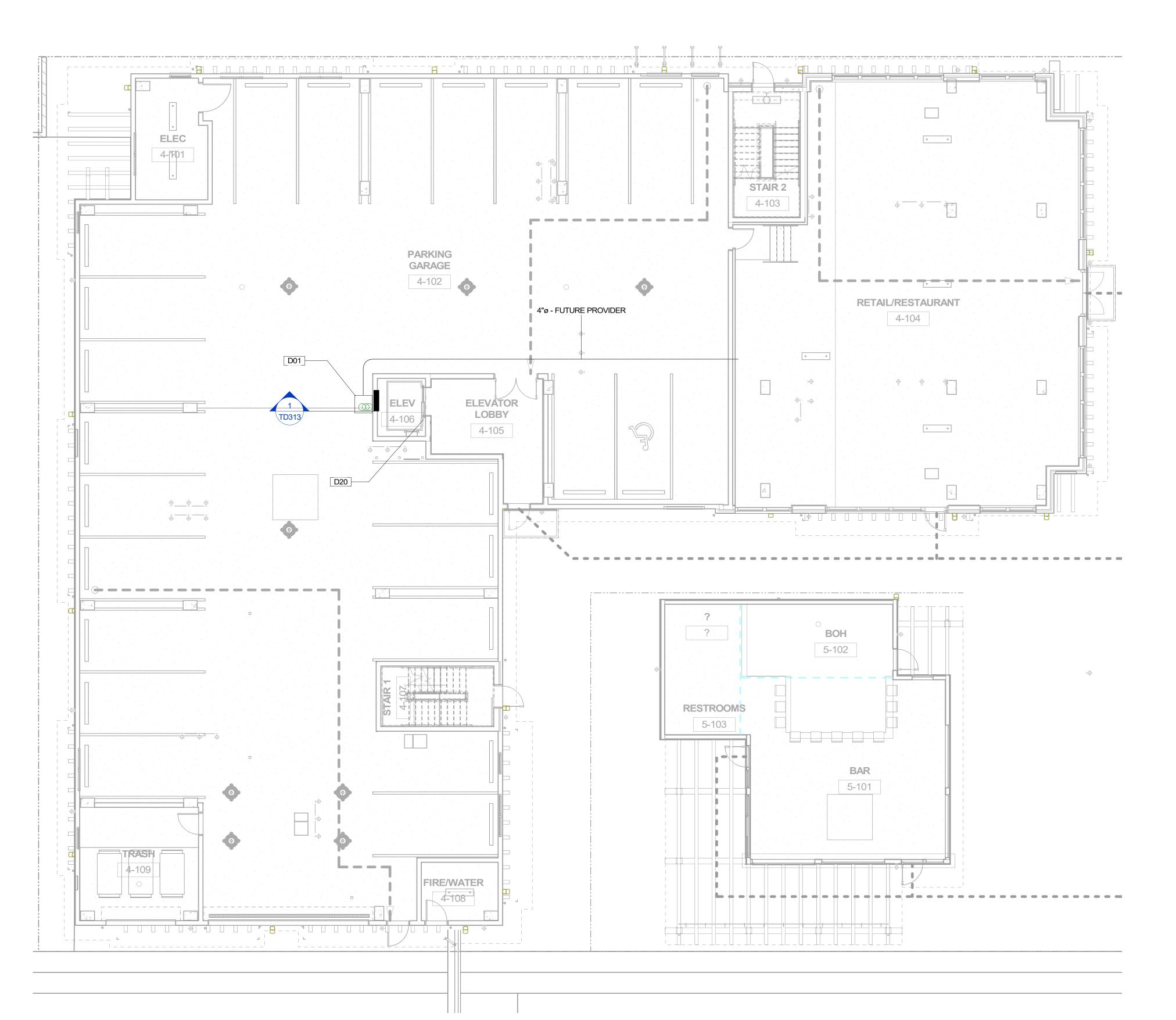
SHEET NUMBER:

SITE PLAN -DATACOMM/NETWORK SYSTEM LAYOUT

ES-3247

D-TD010

\*\*CONDUIT ROUTING PENDING FINALIZED MDF/IDF ROOM LOCATIONS AND JOINT TRENCH PLAN FROM CIVIL/DRY UTILITY CONSULTANT, TYP.



DATACOMM/NETWORK PLAN SYMBOL LEGEND: SYMBOL DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION: POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK) NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK) NETWORK ETHERNET FIBER SWITCH (MOUNTED IN EQUIPMENT RACK) WIRELESS ACCESS POINT -PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS EMERGENCY PHONE W/ CELL DIALER (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT) WALL-MOUNTED TELEVISION AND AV REMOTE CONTROL DATA OUTLET (WALL MOUNTED / FLOOR OUTLET) DUAL DATA OUTLET (WALL MOUNTED / FLOOR OUTLET) DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET) QUAD DATA OUTLET (WALL MOUNTED / FLOOR OUTLET) DUAL DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET) DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET) DATA+DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET) SITE PLAN CONDUIT UNDERPASS LOCATION AT DRIVE LANES ON SITE — — — JOINT TRENCH SECONDARY TRENCH

DATACOMM GENERAL NOTES

1. REFER TO SHEET TD-000 FOR STANDARD
DATACOMM/NETWORK DEVICE CABLING
REQUIREMENTS & MOUNTING HEIGHTS

2. RE: TG-002 FOR TYPICAL WALL MOUNTED AND
FLOOR MOUNTED RACK ELEVATIONS. THESE
ARE TYPICAL ARRANGEMENTS AND ARE NOT
SPECIFIC TO EACH PROJECT, IT IS UP TO THE
INSTALLER TO DETERMINE AND BID THE RACK
COMPONENTS TO MEET SYSTEM

INSTALLER TO DETERMINE AND BID THE RACK
COMPONENTS TO MEET SYSTEM
FUNCTIONALITY REQUIREMENTS.
REFER TO DATACOMM/NETWORK ELEVATION &
SECTION SHEETS FOR MDF/IDF ROOM LAYOUT &
RISER ROUTING

REFER TO DATACOMM/NETWORK UNIT SHEETS
FOR REQUIRED UNIT "HOME RUN" WIRING & INUNIT DATACOMM/NETWORK DEVICE LAYOUT
REFER TO DATACOMM/NETWORK DETAIL
SHEETS FOR DATACOMM/NETWORK SYSTEM

DETAILS & DIAGRAMS
RE: ELECTRICAL DRAWINGS & SPECIFICATIONS
FOR FACEPLATE AND OUTLET COLORS, TYP.
CABLE & CONDUIT ROUTING SUBJECT TO
CHANGE BASED ON FIELD CONDITIONS
ELECTRICAL CONTRACTOR TO PROVIDE POWER
AS SPECIFIED

9. ELECTRICAL CONTRACTOR TO PROVIDE BOTH TRENCH AND ABOVE GROUND CONDUIT AS

BACKBONE CONDUIT TO BE LIMITED TO 270° OF

SPECIFIED

10. ALL CABLING IS TO BE ROUTED THROUGH
DESIGNATED CONDUIT, SLEEVING & PULL BOX
BY INSTALLING CONTRACTOR

11. SERVICE PROVIDER & SYSTEMS NETWORK

BENDS BETWEEN PULL POINTS & ALL 90°
LATERAL BENDS TO BE 60" MINIMUM RADIUS
12. ELECTRICAL CONTRACTOR TO PROVIDE #6
COPPER GROUND AT EACH MDF/IDF ROOM - TO
BE LOCATED ADJACENT TO THE SERVICE
PROVIDER TERMINATIONS

UNIT TERMINATIONS MUST BE WIRED TO IDF AS INDICATED, PER THIS DESIGN. \* SHOULD UNITS BE WIRED TO A DIFFERENT IDF DUE TO FIELD CONDITIONS, EVERBASE CONSULTING SOLUTIONS IS TO BE IMMEDIATELY NOTIFIED AS THIS AFFECTS THE PROVIDERS DESIGN
 WIRELESS ACCESS POINTS TO PROVIDE PARTITIONED NETWORK ACCESS FOR PUBLIC &

FOR SECURE STAFF-ONLY NETWORK ACCESS
15. BLOCKING REQUIRED AT ALL COMMON AREA TV
LOCATIONS
16. COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS

WITH ELECTRICAL CONTRACTOR - CONDUIT IS
TO BE ROUTED TO NEAREST WALL THAT
EXTENDS TO AN ACCESSIBLE CEILING

17. MDF/IDF LAYOUTS ARE SCHEMATIC IN NATURE,
ACTUAL INSTALLATION MAY VARY BASED ON
FIELD CONDITIONS AND INTEGRATION MEANS
AND METHODS

18. WHEN MULTIPLE CARRIERS ARE PRESENT IN AN MDF/IDF ROOM, EACH CARRIER'S HOME RUN CABLING SHALL BE IN SEPARATE SLEEVING.
 19. ALLOW 48" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ELECTRICAL

20. ALLOW 36" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ANY ELECTRICAL EQUIPMENT, PER THE LATEST VERSION OF TIA

TRANSFORMERS PER THE LATEST VERSION OF

21. PLYWOOD INSTALLED IN MDF/IDF ROOMS SHALL BE A/C GRADE AND FINISHED WITH TWO COATS OF FIRE-RETARDANT PAINT. PLYWOOD SHALL BE PAINTED PRIOR TO INSTALLATION OF ANY EQUIPMENT. PLYWOOD SHALL BE MOUNTED VERTICALLY WITH BOTTOM OF PLYWOOD MOUNTED (6 IN.) ABOVE THE FINISHED FLOOR AND ANY FIRE RATING STAMPS VISIBLE AT ALL TIMES.

22. ANY ELECTRIC VEHICLE CHARGING STATIONS TO BE CELLULAR DATA CONNECTION CAPABLE

UNLESS OTHERWISE NOTED, TYP.

23. HEATING AND COOLING OF MDF/IDF ROOMS ARE
TO BE DETERMINED ON A CASE-BY-CASE BASIS,
BUT IT IS TYPICAL THAT A SPLIT DUCT SYSTEM IS
SERVICING THE MDF AND IDF ROOMS WITH ONLY
SERVICE PARTITION FOR AND SERVICE PARTITION OF THE PARTI

SERVICED WITH TRANSFER FANS.

RE: MEP DRAWINGS FOR PLENUM SPACES AND AVAILABILITY TO ENSURE SPACE REQUIREMENTS ARE MET. ANY OR ALL SHAFTS ARE IN USE BY MEP TYP., DO NOT PLAN ON USE OF SHAFT UNLESS TECHNOLOGY DESIGN INDICATES A SPECIFIC SHAFT IS TO BE USED.

# KEYNOTE LEGEND Keynote Text

Key Value	Keynote Text
D01	30"X30"X12" CEILING MOUNTED PULL-BOX F HORIZONTAL ROUTING TO VERTICAL ROUTI TRANSITION
D20	EMERGENCY/RATH PHONE IN EACH ELEVATOR, TYP. CELL DIALER PREFERRED. CABLING FROM EMERGENCY PHONE TO BE PROVIDED PER SERVICE PROVIDER PREFERENCE (CAT6,TYP). CABLING TO RUN FROM EACH EMERGENCY PHONE TO MODE THEN TO FACP, TYP.

ORIGINAL ISSUANCE: DATE:

50% CD SET 03/31/23

NOT FOR CONSTRUCTION

REVISIONS

REVISION DATE DELTA

TECHNOLOGY CONSULTANT

PROJECT INFORMATION

OND

**EVERBASE** 

SOLUTIONS

DENVER | CO

O: 855-255-5521

WWW.EVERBASESOLUTIONS.COM

SYSTEM DESIGNER:

SYSTEM REVIEWER:

SHEET INFORMATION: SHEET TITLE:

ECS JOB NUMBER:

BLDG D LEVEL 1 -DATACOMM/NETWORK SYSTEM LAYOUT

D-TD201

BLDG D LEVEL 1 - DATACOMM/NETWORK SYSTEM LAYOUT



BLDG D LEVEL 2 - DATACOMM/NETWORK SYSTEM LAYOUT 1/8" = 1'-0"

SYMBOL DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION: POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)

DATACOMM/NETWORK PLAN SYMBOL LEGEND:

(MOUNTED IN EQUIPMENT RACK)

(MOUNTED IN EQUIPMENT RACK)

WIRELESS ACCESS POINT

REMOTE CONTROL

DATA OUTLET (WALL

DUAL DATA OUTLET (WALL

MOUNTED / FLOOR OUTLET)

DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)

MOUNTED / FLOOR OUTLET)

QUAD DATA OUTLET (WALL

PARTITIONED FOR PUBLIC &

PRIVATE NETWORK ACCESS

ÀT A.D.A. ACCESSIBLE HEIGHT)

NETWORK ETHERNET FIBER SWITCH

EMERGENCY PHONE W/ CELL DIALER

(WALL MOUNTED WITH CALL BUTTON

WALL-MOUNTED TELEVISION AND A/V

NETWORK PATCH PANEL

DATACOMM/NETWORK DEVICE CABLING REQUIREMENTS & MOUNTING HEIGHTS ARE TYPICAL ARRANGEMENTS AND ARE NOT

FUNCTIONALITY REQUIREMENTS. REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING

REFER TO DATACOMM/NETWORK UNIT SHEETS REFER TO DATACOMM/NETWORK DETAIL

DETAILS & DIAGRAMS RE: ELECTRICAL DRAWINGS & SPECIFICATIONS FOR FACEPLATE AND OUTLET COLORS, TYP. CABLE & CONDUIT ROUTING SUBJECT TO

ELECTRICAL CONTRACTOR TO PROVIDE BOTH

MOUNTED / FLOOR OUTLET) DUAL DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)

DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET) DATA+DATA+VIDEO OUTLET (WALL

MOUNTED / FLOOR OUTLET) SITE PLAN CONDUIT UNDERPASS

LOCATION AT DRIVE LANES ON SITE

— — — JOINT TRENCH— — — SECONDARY TRENCH

**DATACOMM GENERAL NOTES** 

REFER TO SHEET TD-000 FOR STANDARD RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK COMPONENTS TO MEET SYSTEM

FOR REQUIRED UNIT "HOME RUN" WIRING & IN-UNIT DATACOMM/NETWORK DEVICE LAYOUT SHEETS FOR DATACOMM/NETWORK SYSTEM

CHANGE BASED ON FIELD CONDITIONS ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED

TRENCH AND ABOVE GROUND CONDUIT AS

SPECIFIED ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR SERVICE PROVIDER & SYSTEMS NETWORK BACKBONE CONDUIT TO BE LIMITED TO 270° OF

BENDS BETWEEN PULL POINTS & ALL 90° LATERAL BENDS TO BE 60" MINIMUM RADIUS ELECTRICAL CONTRACTOR TO PROVIDE #6 COPPER GROUND AT EACH MDF/IDF ROOM - TO BE LOCATED ADJACENT TO THE SERVICE PROVIDER TERMINATIONS UNIT TERMINATIONS MUST BE WIRED TO IDF AS

INDICATED, PER THIS DESIGN. \* SHOULD UNITS BE WIRED TO A DIFFERENT IDF DUE TO FIELD CONDITIONS, EVERBASE CONSULTING SOLUTIONS IS TO BE IMMEDIATELY NOTIFIED AS THIS AFFECTS THE PROVIDERS DESIGN WIRELESS ACCESS POINTS TO PROVIDE PARTITIONED NETWORK ACCESS FOR PUBLIC &

FOR SECURE STAFF-ONLY NETWORK ACCESS BLOCKING REQUIRED AT ALL COMMON AREA TV

COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS WITH ELECTRICAL CONTRACTOR - CONDUIT IS TO BE ROUTED TO NEAREST WALL THAT EXTENDS TO AN ACCESSIBLE CEILING 17. MDF/IDF LAYOUTS ARE SCHEMATIC IN NATURE, ACTUAL INSTALLATION MAY VARY BASED ON

FIELD CONDITIONS AND INTEGRATION MEANS WHEN MULTIPLE CARRIERS ARE PRESENT IN AN MDF/IDF ROOM, EACH CARRIER'S HOME RUN CABLING SHALL BE IN SEPARATE SLEEVING.

ALLOW 48" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ELECTRICAL TRANSFORMERS PER THE LATEST VERSION OF

ALLOW 36" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ANY ELECTRICAL EQUIPMENT, PER THE LATEST VERSION OF TIA

21. PLYWOOD INSTALLED IN MDF/IDF ROOMS SHALL BE A/C GRADE AND FINISHED WITH TWO COATS OF FIRE-RETARDANT PAINT. PLYWOOD SHALL BE PAINTED PRIOR TO INSTALLATION OF ANY EQUIPMENT. PLYWOOD SHALL BE MOUNTED VERTICALLY WITH BOTTOM OF PLYWOOD MOUNTED (6 IN.) ABOVE THE FINISHED FLOOR AND ANY FIRE RATING STAMPS VISIBLE AT ALL

ANY ELECTRIC VEHICLE CHARGING STATIONS TO BE CELLULAR DATA CONNECTION CAPABLE

UNLESS OTHERWISE NOTED, TYP. HEATING AND COOLING OF MDF/IDF ROOMS ARE TO BE DETERMINED ON A CASE-BY-CASE BASIS, BUT IT IS TYPICAL THAT A SPLIT DUCT SYSTEM IS SERVICING THE MDF AND IDF ROOMS WITH ONLY SERVICE PROVIDER EQUIPMENT CAN BE

SERVICED WITH TRANSFER FANS. RE: MEP DRAWINGS FOR PLENUM SPACES AND AVAILABILITY TO ENSURE SPACE REQUIREMENTS ARE MET. ANY OR ALL SHAFTS ARE IN USE BY MEP TYP., DO NOT PLAN ON USE OF SHAFT UNLESS TECHNOLOGY DESIGN INDICATES A SPECIFIC SHAFT IS TO BE USED.

**KEYNOTE LEGEND** 

Key Value

Keynote Text

ORIGINAL ISSUANCE: NOT FOR CONSTRUCTION REVISIONS

REVISION DATE DELTA

TECHNOLOGY CONSULTANT

PROJECT INFORMATION

ONDO

**EVERBASE** 

SOLUTIONS

DENVER | CO

O: 855-255-5521

WWW.EVERBASESOLUTIONS.COM

SYSTEM DESIGNER: SYSTEM REVIEWER: ECS JOB NUMBER:

SHEET INFORMATION:

SHEET TITLE: BLDG D LEVEL 2 -DATACOMM/NETWORK SYSTEM LAYOUT

**D-TD211** 



BLDG D LEVEL 3 - DATACOMM/NETWORK SYSTEM LAYOUT

1/8" = 1'-0"

DATACOMM/NETWORK PLAN SYMBOL LEGEND:

SYMBOL DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:

DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION

POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)

NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)

NETWORK ETHERNET FIBER SWITCH (MOUNTED IN EQUIPMENT RACK)

WIRELESS ACCESS POINT PARTITIONED FOR PUBLIC &
PRIVATE NETWORK ACCESS

EMERGENCY PHONE W/ CELL DIALER
(WALL MOUNTED WITH CALL BUTTON)

AT A.D.A. ACCESSIBLE HEIGHT)

RC

WALL-MOUNTED TELEVISION AND AV
REMOTE CONTROL

MOUNTED / FLOOR OUTLET)

WM FM
DUAL DATA OUTLET (WALL
MOUNTED / FLOOR OUTLET)

DATA OUTLET (WALL

DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)

MOUNTED / FLOOR OUTLET)

WM FM
DUAL DATA+VOICE OUTLET (WALL
MOUNTED / FLOOR OUTLET)

QUAD DATA OUTLET (WALL

DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)

DATA+DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)

SITE PLAN CONDUIT UNDERPASS

LOCATION AT DRIVE LANES ON SITE

JOINT TRENCH

SECONDARY TRENCH

DATACOMM GENERAL NOTES

REFER TO SHEET TD-000 FOR STANDARD DATACOMM/NETWORK DEVICE CABLING REQUIREMENTS & MOUNTING HEIGHTS RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE ARE TYPICAL ARRANGEMENTS AND ARE NOT SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK COMPONENTS TO MEET SYSTEM

COMPONENTS TO MEET SYSTEM
FUNCTIONALITY REQUIREMENTS.
REFER TO DATACOMM/NETWORK ELEVATION &
SECTION SHEETS FOR MDF/IDF ROOM LAYOUT &
RISER ROUTING

REFER TO DATACOMM/NETWORK UNIT SHEETS
FOR REQUIRED UNIT "HOME RUN" WIRING & INUNIT DATACOMM/NETWORK DEVICE LAYOUT
REFER TO DATACOMM/NETWORK DETAIL
SHEETS FOR DATACOMM/NETWORK SYSTEM

DETAILS & DIAGRAMS
RE: ELECTRICAL DRAWINGS & SPECIFICATIONS
FOR FACEPLATE AND OUTLET COLORS, TYP.
CABLE & CONDUIT ROUTING SUBJECT TO
CHANGE BASED ON FIELD CONDITIONS
ELECTRICAL CONTRACTOR TO PROVIDE POWER

AS SPECIFIED
ELECTRICAL CONTRACTOR TO PROVIDE BOTH
TRENCH AND ABOVE GROUND CONDUIT AS

SPECIFIED
ALL CABLING IS TO BE ROUTED THROUGH
DESIGNATED CONDUIT, SLEEVING & PULL BOX
BY INSTALLING CONTRACTOR

SERVICE PROVIDER & SYSTEMS NETWORK

BACKBONE CONDUIT TO BE LIMITED TO 270° OF BENDS BETWEEN PULL POINTS & ALL 90° LATERAL BENDS TO BE 60" MINIMUM RADIUS ELECTRICAL CONTRACTOR TO PROVIDE #6 COPPER GROUND AT EACH MDF/IDF ROOM - TO BE LOCATED ADJACENT TO THE SERVICE

PROVIDER TERMINATIONS

3. UNIT TERMINATIONS MUST BE WIRED TO IDF AS INDICATED, PER THIS DESIGN. \* SHOULD UNITS BE WIRED TO A DIFFERENT IDF DUE TO FIELD CONDITIONS, EVERBASE CONSULTING SOLUTIONS IS TO BE IMMEDIATELY NOTIFIED AS THIS AFFECTS THE PROVIDERS DESIGN

4. WIRELESS ACCESS POINTS TO PROVIDE

PARTITIONED NETWORK ACCESS FOR PUBLIC &
FOR SECURE STAFF-ONLY NETWORK ACCESS

15. BLOCKING REQUIRED AT ALL COMMON AREA TV

COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS

WITH ELECTRICAL CONTRACTOR - CONDUIT IS
TO BE ROUTED TO NEAREST WALL THAT
EXTENDS TO AN ACCESSIBLE CEILING

17. MDF/IDF LAYOUTS ARE SCHEMATIC IN NATURE,
ACTUAL INSTALLATION MAY VARY BASED ON
FIELD CONDITIONS AND INTEGRATION MEANS

8. WHEN MULTIPLE CARRIERS ARE PRESENT IN AN MDF/IDF ROOM, EACH CARRIER'S HOME RUN CABLING SHALL BE IN SEPARATE SLEEVING.
9. ALLOW 48" MIN. CLEARANCE BETWEEN ANY LOW

VOLTAGE EQUIPMENT AND ELECTRICAL

TRANSFORMERS PER THE LATEST VERSION OF

TIA 569

20. ALLOW 36" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ANY ELECTRICAL EQUIPMENT, PER THE LATEST VERSION OF TIA

21. PLYWOOD INSTALLED IN MDF/IDF ROOMS SHALL BE A/C GRADE AND FINISHED WITH TWO COATS OF FIRE-RETARDANT PAINT. PLYWOOD SHALL BE PAINTED PRIOR TO INSTALLATION OF ANY EQUIPMENT. PLYWOOD SHALL BE MOUNTED VERTICALLY WITH BOTTOM OF PLYWOOD MOUNTED (6 IN.) ABOVE THE FINISHED FLOOR AND FIRE RATING STAMPS VISIBLE AT ALL

22. ANY ELECTRIC VEHICLE CHARGING STATIONS TO BE CELLULAR DATA CONNECTION CAPABLE

UNLESS OTHERWISE NOTED, TYP.

23. HEATING AND COOLING OF MDF/IDF ROOMS ARE
TO BE DETERMINED ON A CASE-BY-CASE BASIS,
BUT IT IS TYPICAL THAT A SPLIT DUCT SYSTEM IS
SERVICING THE MDF AND IDF ROOMS WITH ONLY
SERVICE PROVIDER EQUIPMENT CAN BE

SERVICED WITH TRANSFER FANS.
RE: MEP DRAWINGS FOR PLENUM SPACES AND AVAILABILITY TO ENSURE SPACE
REQUIREMENTS ARE MET. ANY OR ALL SHAFTS ARE IN USE BY MEP TYP., DO NOT PLAN ON USE OF SHAFT UNLESS TECHNOLOGY DESIGN INDICATES A SPECIFIC SHAFT IS TO BE USED.

KEYNOTE LEGEND

Key Value

Keynote Text

ORIGINAL ISSUANCE: DATE:
50% CD SET 03/31/23
NOT FOR CONSTRUCTION
REVISIONS

TECHNOLOGY CONSULTANT

PROJECT INFORMATION

ONDO

**EVERBASE** 

SOLUTIONS

DENVER | CO

O: 855-255-5521

WWW.EVERBASESOLUTIONS.COM

REVISION DATE DELTA

SYSTEM DESIGNER:

AD/AF

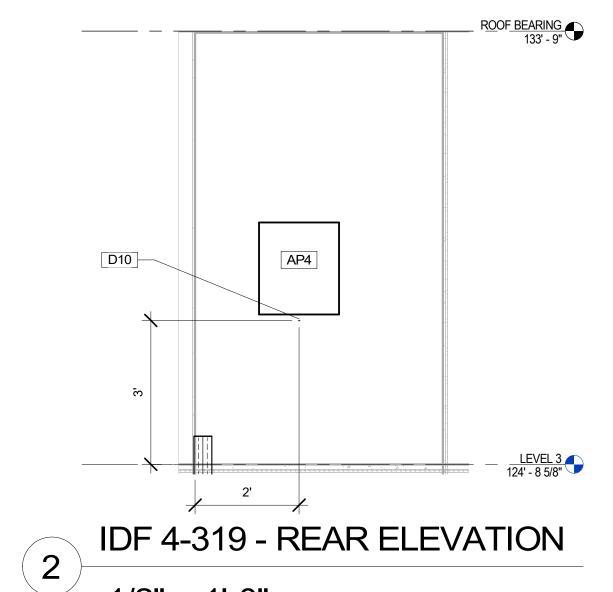
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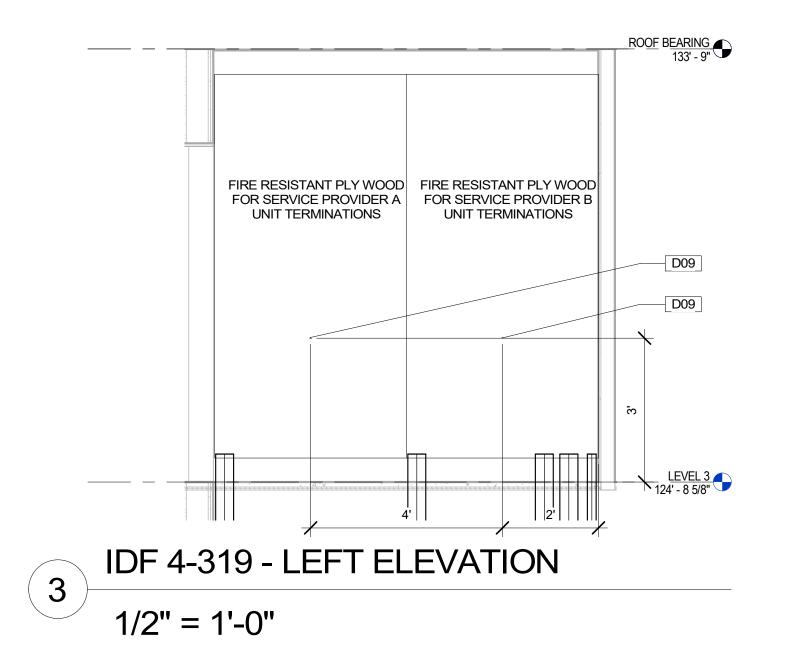
ECS JOB NUMBER:
ES
SHEET INFORMATION:

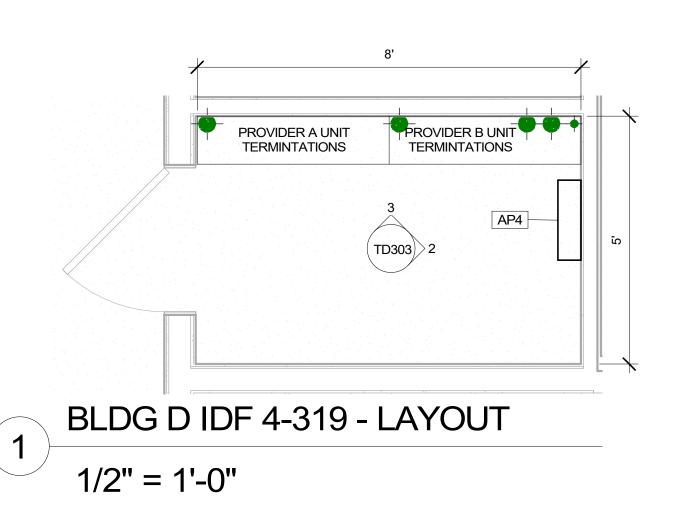
SHEET TITLE:

BLDG D LEVEL 3 -DATACOMM/NETWORK SYSTEM LAYOUT

D-TD221





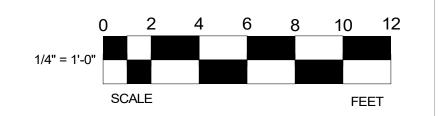


DATACOMM/NETWORK SYSTEM PLAN SYMBOL LEGEND SYMBOL DESCRIPTION POE NETWORK SWITCH (MOUNTED IN EQUIPMENT NS RACK) - REQUIRED POWER: 1 DUPLEX OUTLET NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK) NETWORK ETHERNET FIBER SWITCH (LOCATED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX | CCTV SYSTEM NETWORK VIDEO RECORDER (NVR) NVR (MOUNTED IN EQUIPMENT RACK) - REQUIRED DOWER: 1 DUPLEX OUTLET AV EQUIPMENT RACK (SEE ZONE DESCRIPTION AV FOR MOUNTING) - REQUIRED POWER: 1 FOURPLEX OUTLET ON DEDICATED CIRCUIT INTRUSION DETECTION SYSTEM CONTROLLER IDC (WALL MOUNTED) - REQUIRED POWER: 1 DUPLEX ACCESS CONTROL PANEL & POWER SUPPLY AP# (WALL MOUNTED) - COORDINATE REQUIRED POWER WITH ELECTRICAL CONTRACTOR

#### **DATACOMM GENERAL NOTES**

- REFER TO SHEET TD-000 FOR STANDARD DATACOMM/NETWORK DEVICE CABLING
- REQUIREMENTS & MOUNTING HEIGHTS RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE ARE TYPICAL ARRANGEMENTS AND ARE NOT SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK COMPONENTS TO MEET SYSTEM FUNCTIONALITY REQUIREMENTS.
- REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING
- REFER TO DATACOMM/NETWORK UNIT SHEETS FOR REQUIRED UNIT "HOME RUN" WIRING & IN-UNIT DATACOMM/NETWORK DEVICE LAYOUT
- REFER TO DATACOMM/NETWORK DETAIL SHEETS FOR DATACOMM/NETWORK SYSTEM DETAILS & DIAGRAMS
- RE: ELECTRICAL DRAWINGS & SPECIFICATIONS FOR FACEPLATE AND OUTLET COLORS, TYP. CABLE & CONDUIT ROUTING SUBJECT TO
- CHANGE BASED ON FIELD CONDITIONS ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE BOTH TRENCH AND ABOVE GROUND CONDUIT AS
- SPECIFIED ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR
- SERVICE PROVIDER & SYSTEMS NETWORK BACKBONE CONDUIT TO BE LIMITED TO 270° OF BENDS BETWEEN PULL POINTS & ALL 90°
- LATERAL BENDS TO BE 60" MINIMUM RADIUS ELECTRICAL CONTRACTOR TO PROVIDE #6 COPPER GROUND AT EACH MDF/IDF ROOM - TO BE LOCATED ADJACENT TO THE SERVICE PROVIDER TERMINATIONS
- UNIT TERMINATIONS MUST BE WIRED TO IDF AS INDICATED, PER THIS DESIGN. \* SHOULD UNITS BE WIRED TO A DIFFERENT IDF DUE TO FIELD CONDITIONS, EVERBASE CONSULTING SOLUTIONS IS TO BE IMMEDIATELY NOTIFIED AS
- THIS AFFECTS THE PROVIDERS DESIGN WIRELESS ACCESS POINTS TO PROVIDE PARTITIONED NETWORK ACCESS FOR PUBLIC &
- FOR SECURE STAFF-ONLY NETWORK ACCESS BLOCKING REQUIRED AT ALL COMMON AREA TV LOCATIONS COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS
- WITH ELECTRICAL CONTRACTOR CONDUIT IS TO BE ROUTED TO NEAREST WALL THAT EXTENDS TO AN ACCESSIBLE CEILING MDF/IDF LAYOUTS ARE SCHEMATIC IN NATURE,
- ACTUAL INSTALLATION MAY VARY BASED ON FIELD CONDITIONS AND INTEGRATION MEANS AND METHODS.
- WHEN MULTIPLE CARRIERS ARE PRESENT IN AN MDF/IDF ROOM, EACH CARRIER'S HOME RUN CABLING SHALL BE IN SEPARATE SLEEVING.
- ALLOW 48" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ELECTRICAL TRANSFORMERS PER THE LATEST VERSION OF TIA 569
- ALLOW 36" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ANY ELECTRICAL EQUIPMENT, PER THE LATEST VERSION OF TIA
- PLYWOOD INSTALLED IN MDF/IDF ROOMS SHALL BE A/C GRADE AND FINISHED WITH TWO COATS OF FIRE-RETARDANT PAINT. PLYWOOD SHALL BE PAINTED PRIOR TO INSTALLATION OF ANY EQUIPMENT. PLYWOOD SHALL BE MOUNTED VERTICALLY WITH BOTTOM OF PLYWOOD MOUNTED (6 IN.) ABOVE THE FINISHED FLOOR AND ANY FIRE RATING STAMPS VISIBLE AT ALL
- ANY ELECTRIC VEHICLE CHARGING STATIONS TO BE CELLULAR DATA CONNECTION CAPABLE UNLESS OTHERWISE NOTED, TYP.
- HEATING AND COOLING OF MDF/IDF ROOMS ARE TO BE DETERMINED ON A CASE-BY-CASE BASIS, BUT IT IS TYPICAL THAT A SPLIT DUCT SYSTEM IS SERVICING THE MDF AND IDF ROOMS WITH ONLY SERVICE PROVIDER EQUIPMENT CAN BE SERVICED WITH TRANSFER FANS.
- RE: MEP DRAWINGS FOR PLENUM SPACES AND AVAILABILITY TO ENSURE SPACE REQUIREMENTS ARE MET. ANY OR ALL SHAFTS ARE IN USE BY MEP TYP., DO NOT PLAN ON USE OF SHAFT UNLESS TECHNOLOGY DESIGN INDICATES A SPECIFIC SHAFT IS TO BE USED.

	KEYNOTE LEGEND				
Key Value	Keynote Text				
D09	POWER REQUIREMENT: DUPLEX RECEPTACI				
D10	POWER REQUIREMENT: DUPLEX RECEPTACI & J-BOX WITH 2 WHIPS FOR POWER SUPPLIE ON DEDICATED 20 AMP CIRCUIT				



PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



O: 855-255-5521 WWW.EVERBASESOLUTIONS.COM

PROJECT INFORMATION

ORIGINAL ISSUANCE: 50% CD SET NOT FOR CONSTRUCTION REVISIONS

REVISION DATE DELTA

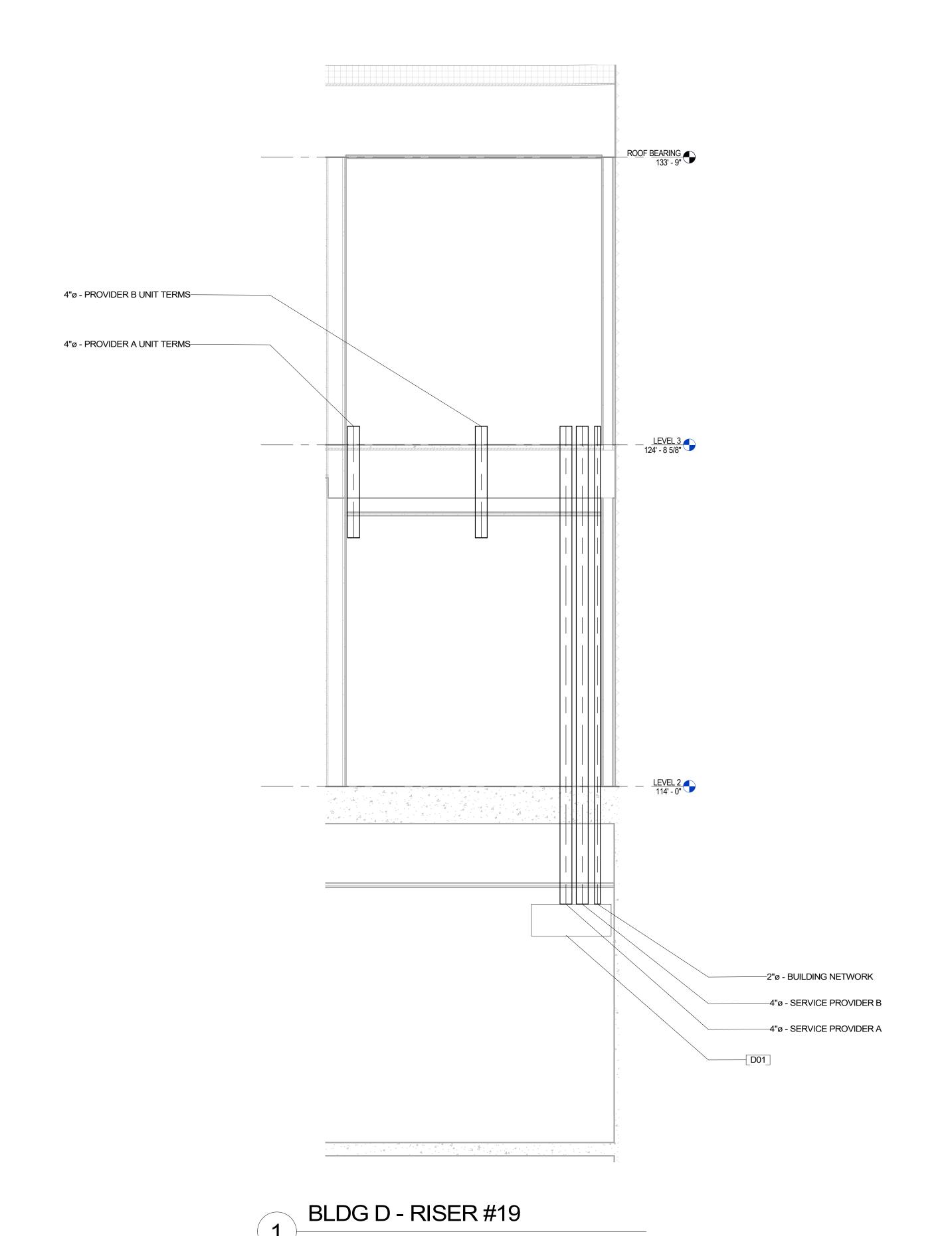
SYSTEM DESIGNER:

AD/AF SYSTEM REVIEWER: ECS JOB NUMBER: ES-3247 SHEET INFORMATION:

SHEET TITLE:

SHEET NUMBER:

BLDG D -DATACOMM/NETWORK MDF/IDF ELEVATIONS



SYMBOL DESCRIPTION

DATACOMM/NETWORK SYSTEM PLAN SYMBOL LEGEND

POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET

NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)

NETWORK ETHERNET FIBER SWITCH (LOCATED IN FS | EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET

CCTV SYSTEM NETWORK VIDEO RECORDER (NVR) NVR (MOUNTED IN EQUIPMENT RACK) - REQUIRED □ pOWER: 1 DUPLEX OUTLET

AV EQUIPMENT RACK (SEE ZONE DESCRIPTION AV FOR MOUNTING) - REQUIRED POWER: 1 FOURPLEX OUTLET ON DEDICATED CIRCUIT INTRUSION DETECTION SYSTEM CONTROLLER

IDC (WALL MOUNTED) - REQUIRED POWER: 1 DUPLEX ACCESS CONTROL PANEL & POWER SUPPLY AP# (WALL MOUNTED) - COORDINATE REQUIRED

## **DATACOMM GENERAL NOTES**

REFER TO SHEET TD-000 FOR STANDARD DATACOMM/NETWORK DEVICE CABLING

POWER WITH ELÉCTRICAL CONTRACTOR

REQUIREMENTS & MOUNTING HEIGHTS RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE ARE TYPICAL ARRANGEMENTS AND ARE NOT SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK COMPONENTS TO MEET SYSTEM

FUNCTIONALITY REQUIREMENTS. REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING

REFER TO DATACOMM/NETWORK UNIT SHEETS FOR REQUIRED UNIT "HOME RUN" WIRING & IN-UNIT DATACOMM/NETWORK DEVICE LAYOUT REFER TO DATACOMM/NETWORK DETAIL SHEETS FOR DATACOMM/NETWORK SYSTEM

DETAILS & DIAGRAMS RE: ELECTRICAL DRAWINGS & SPECIFICATIONS

FOR FACEPLATE AND OUTLET COLORS, TYP. CABLE & CONDUIT ROUTING SUBJECT TO

CHANGE BASED ON FIELD CONDITIONS ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED ELECTRICAL CONTRACTOR TO PROVIDE BOTH

TRENCH AND ABOVE GROUND CONDUIT AS SPECIFIED ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX

BY INSTALLING CONTRACTOR

SERVICE PROVIDER & SYSTEMS NETWORK BACKBONE CONDUIT TO BE LIMITED TO 270° OF BENDS BETWEEN PULL POINTS & ALL 90° LATERAL BENDS TO BE 60" MINIMUM RADIUS

ELECTRICAL CONTRACTOR TO PROVIDE #6 COPPER GROUND AT EACH MDF/IDF ROOM - TO BE LOCATED ADJACENT TO THE SERVICE PROVIDER TERMINATIONS

UNIT TERMINATIONS MUST BE WIRED TO IDF AS INDICATED, PER THIS DESIGN. \* SHOULD UNITS BE WIRED TO A DIFFERENT IDF DUE TO FIELD CONDITIONS, EVERBASE CONSULTING SOLUTIONS IS TO BE IMMEDIATELY NOTIFIED AS THIS AFFECTS THE PROVIDERS DESIGN

WIRELESS ACCESS POINTS TO PROVIDE PARTITIONED NETWORK ACCESS FOR PUBLIC & FOR SECURE STAFF-ONLY NETWORK ACCESS BLOCKING REQUIRED AT ALL COMMON AREA TV

LOCATIONS COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS WITH ELECTRICAL CONTRACTOR - CONDUIT IS

TO BE ROUTED TO NEAREST WALL THAT EXTENDS TO AN ACCESSIBLE CEILING MDF/IDF LAYOUTS ARE SCHEMATIC IN NATURE, ACTUAL INSTALLATION MAY VARY BASED ON FIELD CONDITIONS AND INTEGRATION MEANS

AND METHODS. WHEN MULTIPLE CARRIERS ARE PRESENT IN AN MDF/IDF ROOM, EACH CARRIER'S HOME RUN

CABLING SHALL BE IN SEPARATE SLEEVING. ALLOW 48" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ELECTRICAL TRANSFORMERS PER THE LATEST VERSION OF

TIA 569 ALLOW 36" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ANY ELECTRICAL EQUIPMENT, PER THE LATEST VERSION OF TIA

PLYWOOD INSTALLED IN MDF/IDF ROOMS SHALL BE A/C GRADE AND FINISHED WITH TWO COATS OF FIRE-RETARDANT PAINT. PLYWOOD SHALL BE PAINTED PRIOR TO INSTALLATION OF ANY EQUIPMENT. PLYWOOD SHALL BE MOUNTED VERTICALLY WITH BOTTOM OF PLYWOOD MOUNTED (6 IN.) ABOVE THE FINISHED FLOOR AND ANY FIRE RATING STAMPS VISIBLE AT ALL

ANY ELECTRIC VEHICLE CHARGING STATIONS TO BE CELLULAR DATA CONNECTION CAPABLE UNLESS OTHERWISE NOTED, TYP.

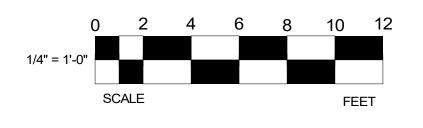
HEATING AND COOLING OF MDF/IDF ROOMS ARE TO BE DETERMINED ON A CASE-BY-CASE BASIS, BUT IT IS TYPICAL THAT A SPLIT DUCT SYSTEM IS SERVICING THE MDF AND IDF ROOMS WITH ONLY SERVICE PROVIDER EQUIPMENT CAN BE SERVICED WITH TRANSFER FANS.

RE: MEP DRAWINGS FOR PLENUM SPACES AND AVAILABILITY TO ENSURE SPACE REQUIREMENTS ARE MET. ANY OR ALL SHAFTS ARE IN USE BY MEP TYP., DO NOT PLAN ON USE OF SHAFT UNLESS TECHNOLOGY DESIGN INDICATES A SPECIFIC SHAFT IS TO BE USED.

#### KEYNOTE LEGEND

#### Key Value

Keynote Text 30"X30"X12" CEILING MOUNTED PULL-BOX FOR HORIZONTAL ROUTING TO VERTICAL ROUTING TRANSITION



TECHNOLOGY CONSULTANT



O: 855-255-5521

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ONDO

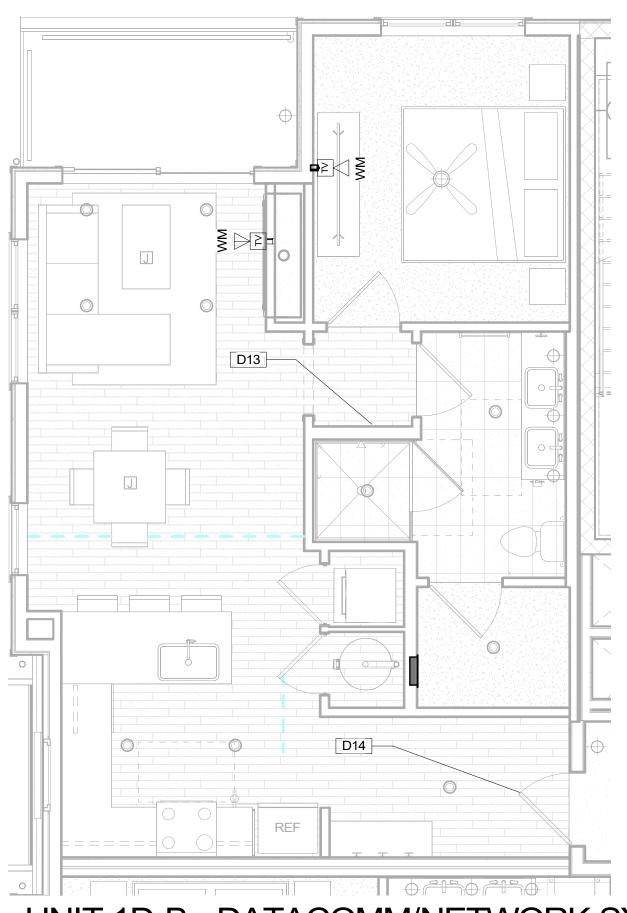
ORIGINAL ISSUANCE: 50% CD SET NOT FOR CONSTRUCTION REVISIONS

REVISION DATE DELTA

SYSTEM DESIGNER: SYSTEM REVIEWER: ECS JOB NUMBER: ES-3247 SHEET INFORMATION: SHEET TITLE:

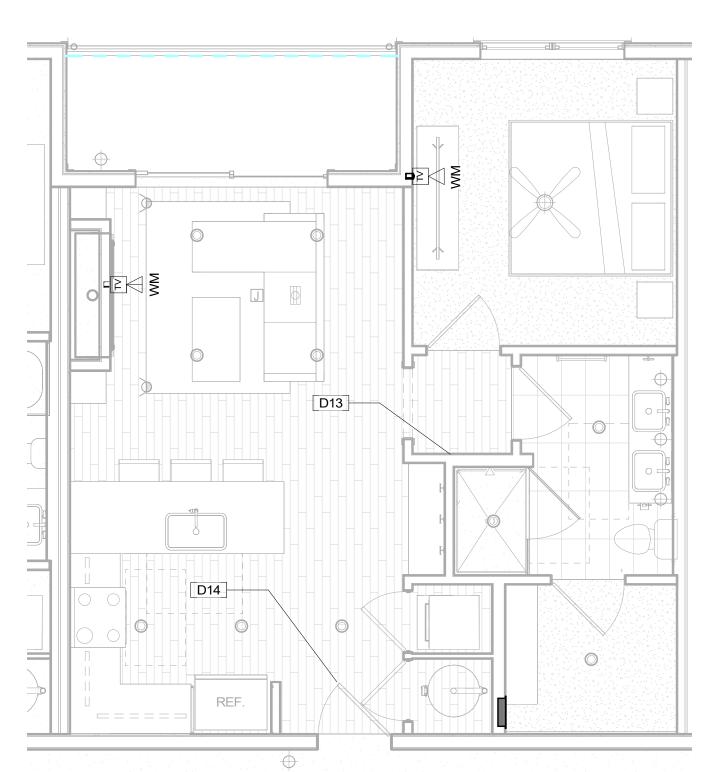
> BLDG D -DATACOMM/NETWORK RISER SECTIONS

SHEET NUMBER:



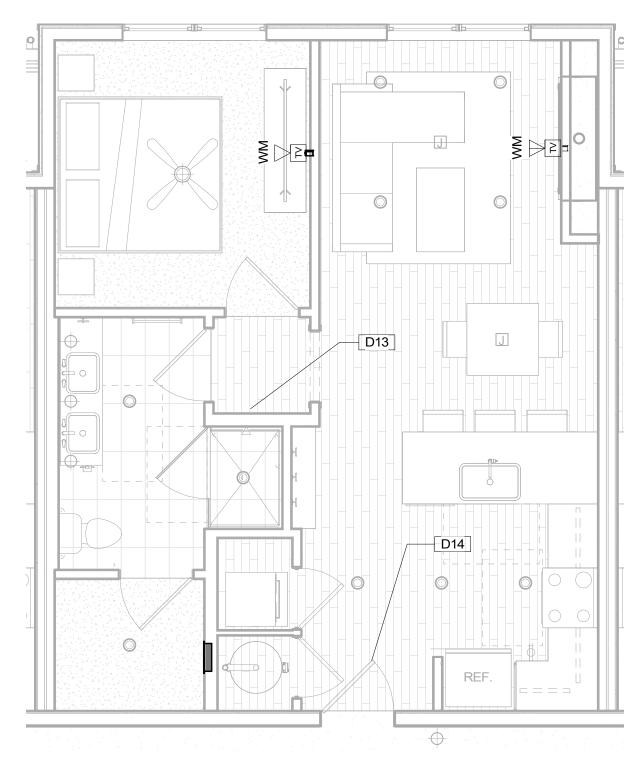
UNIT 1D-B - DATACOMM/NETWORK SYSTEM LAYOUT

1/4" = 1'-0"



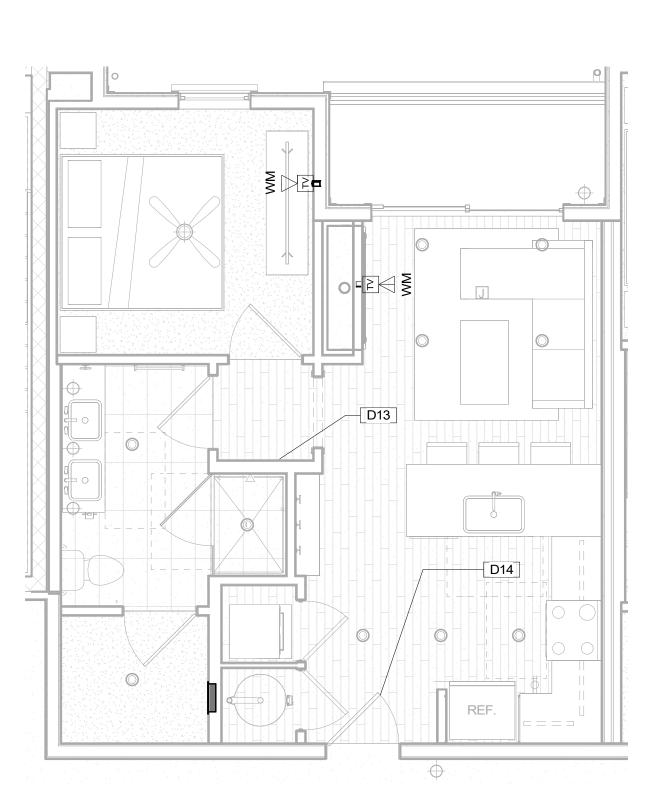
UNIT 1C - DATACOMM/NETWORK SYSTEM LAYOUT

1/4" = 1'-0"



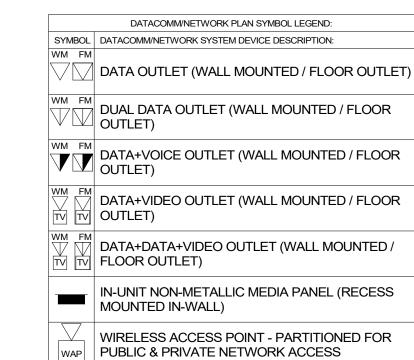
UNIT 1B-B -DATACOMM/NETWORK SYSTEM LAYOUT

1/4" = 1'-0"



UNIT 1A-B -DATACOMM/NETWORK SYSTEM LAYOUT

1/4" = 1'-0"



#### **DATACOMM UNIT GENERAL NOTES**

- . REFER TO COVER SHEET FOR STANDARD DATACOMM/NETWORK DEVICE CABLING REQUIREMENTS & MOUNTING HEIGHTS
- 2. REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING
  3. REFER TO DATACOMM/NETWORK DETAIL SHEETS FOR
- DATACOMM/NETWORK SYSTEM DETAILS & DIAGRAMS
  4. RE: ELECTRICAL DRAWINGS & SPECIFICATIONS FOR
- 4. RE: ELECTRICAL DRAWINGS & SPECIFICATIONS FOR FACEPLATE AND OUTLET COLORS, TYP.
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- 6. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS
- 7. UNIT HOMERUNS FROM EACH UNIT MEDIA PANEL TO ASSOCIATED IDF ROOM TO BE CONSISTENT WITH SERVICE PROVIDER CONTRACTS. UNIT HOMERUN WIRING TO INCLUDE:
  - A. \*\*1-OPTICAL FIBER CABLE IN MICRODUCT
    CONDUIT AS PER SERVICE PROVIDER A
    SPECIFICATIONS
  - B. \*\*1-OPTICAL FIBER CABLE IN MICRODUCT AS
    PER SERVICE PROVIDER B SPECIFICATIONS

    COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS WITH
    ELECTRICAL CONTRACTOR CONDUIT IS TO BE
    ROUTED TO NEAREST WALL THAT EXTENDS TO AN
- 9. BLOCKING REQUIRED AT ALL 'HI-LO' TV LOCATIONS
  10. ALL IN-UNIT DATA CABLING FROM MEDIA PANEL WILL BE RG6 OR CAT6A UNLESS OTHERWISE NOTED.

#### KEYNOTE LEGEND

Key Value	Keynote Text
D13	SMART THERMOSTAT - COORDINATE LOCATION WITH MECHANICAL PLANS
	STAND-ALONE ELECTRONIC UNIT LOCK WITH MOBILE CREDENTIAL CAPABILITY & SHARED CREDENTIAL WITH COMMON AREA ACCESS CONTROL SYSTEM

TLET (WALL MOUNTED / FLOOR

TLET (WALL MOUNTED / FLOOR

TO OUTLET (WALL MOUNTED /

TALLIC MEDIA PANEL (RECESS
LL)

SS POINT - PARTITIONED FOR
TE NETWORK ACCESS

T. GENERAL NOTES

DENVER | CO

DG D 4TH STREET SILVERTHORNE, CO

O: 855-255-5521

WWW.EVERBASESOLUTIONS.COM

PROJECT INFORMATION

ORIGINAL ISSUANCE: DATE:

50% CD SET 03/31/23

NOT FOR CONSTRUCTION

REVISIONS

REVISION DATE DELTA

SYSTEM DESIGNER:

AD/A

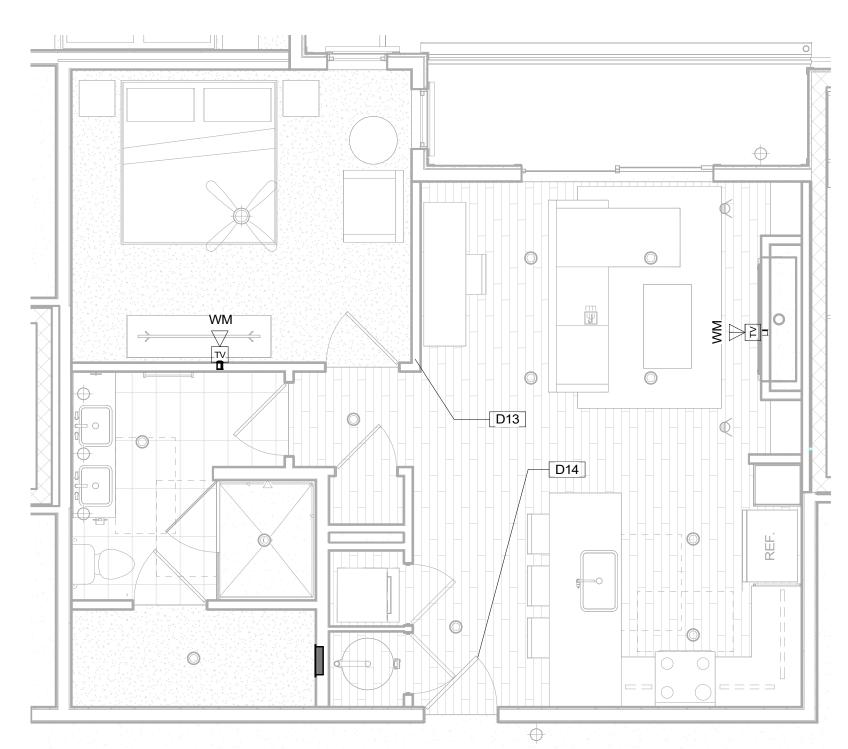
SYSTEM REVIEWER:

ECS JOB NUMBER:

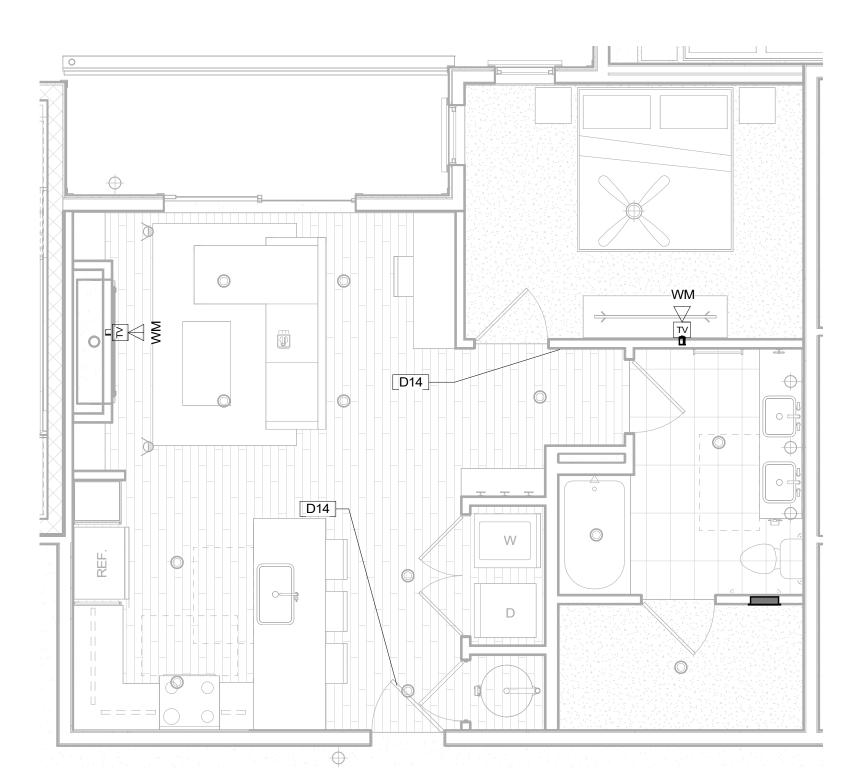
SHEET INFORMATION:

DATACOMM/NETWORK SYSTEM UNIT PLANS

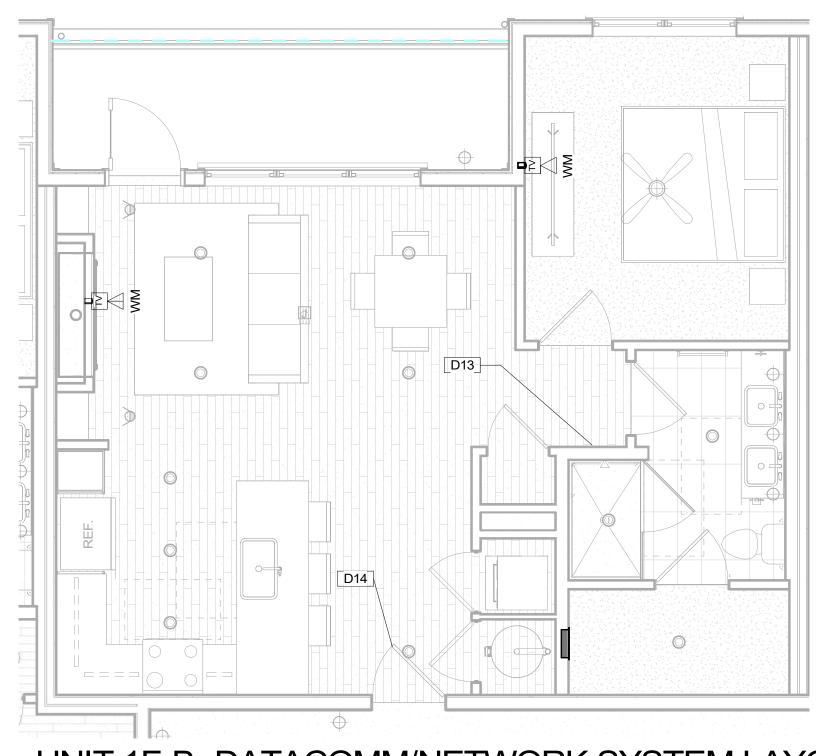
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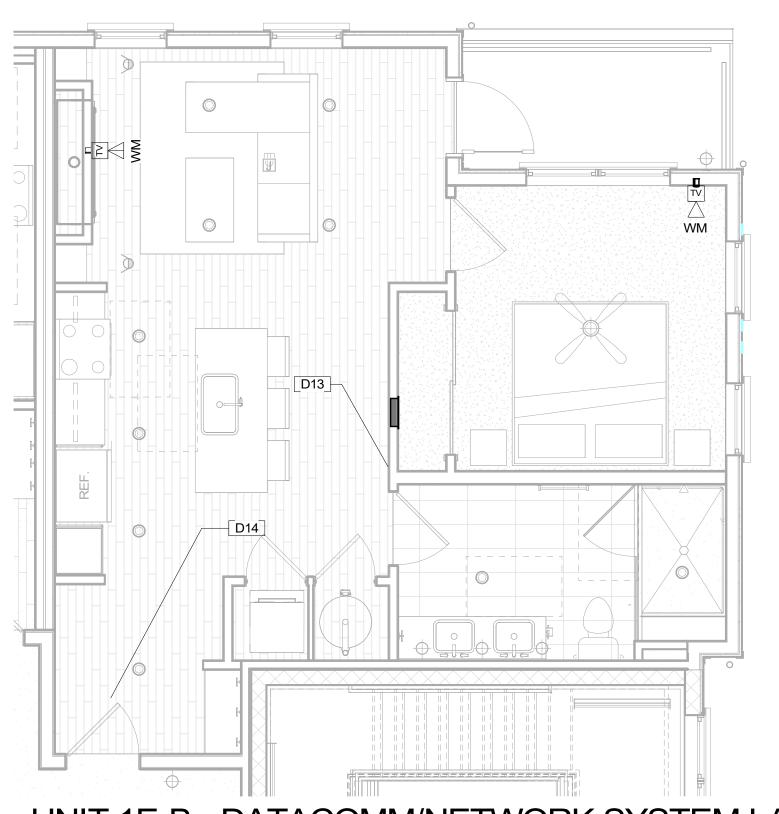
UNIT 1G-B -DATACOMM/NETWORK SYSTEM LAYOUT 1/4" = 1'-0"



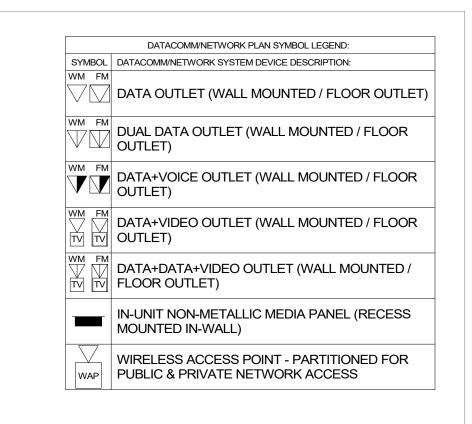
UNIT 1G-A -DATACOMM/NETWORK SYSTEM LAYOUT 1/4" = 1'-0"



UNIT 1F-B -DATACOMM/NETWORK SYSTEM LAYOUT 1/4" = 1'-0"



UNIT 1E-B - DATACOMM/NETWORK SYSTEM LAYOUT 1/4" = 1'-0"



#### **DATACOMM UNIT GENERAL NOTES**

- 1. REFER TO COVER SHEET FOR STANDARD DATACOMM/NETWORK DEVICE CABLING
- REQUIREMENTS & MOUNTING HEIGHTS REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER
- REFER TO DATACOMM/NETWORK DETAIL SHEETS FOR DATACOMM/NETWORK SYSTEM DETAILS & DIAGRAMS
- FACEPLATE AND OUTLET COLORS, TYP. CABLE & CONDUIT ROUTING SUBJECT TO CHANGE
- BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS
- UNIT HOMERUNS FROM EACH UNIT MEDIA PANEL TO ASSOCIATED IDF ROOM TO BE CONSISTENT WITH SERVICE PROVIDER CONTRACTS. UNIT HOMERUN WIRING TO INCLUDE:
  - \*\*1-OPTICAL FIBER CABLE IN MICRODUCT CONDUIT AS PER SERVICE PROVIDER A SPECIFICATIONS
- \*\*1-OPTICAL FIBER CABLE IN MICRODUCT AS PER SERVICE PROVIDER B SPECIFICATIONS
- COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS WITH ELECTRICAL CONTRACTOR - CONDUIT IS TO BE ROUTED TO NEAREST WALL THAT EXTENDS TO AN ACCESSIBLE CEILING
- BLOCKING REQUIRED AT ALL 'HI-LO' TV LOCATIONS ALL IN-UNIT DATA CABLING FROM MEDIA PANEL WILL BE RG6 OR CAT6A UNLESS OTHERWISE NOTED.

#### KEYNOTE LEGEND

Keynote Text SMART THERMOSTAT - COORDINATE LOCATION WITH MECHANICAL PLANS STAND-ALONE ELECTRONIC UNIT LOCK WITH MOBILE CREDENTIAL CAPABILITY & SHARED CREDENTIAL WITH COMMON AREA ACCESS CONTROL SYSTEM



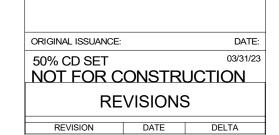
TECHNOLOGY CONSULTANT

PROJECT INFORMATION

EVERBASE SOLUTIONS DENVERICO

O: 855-255-5521

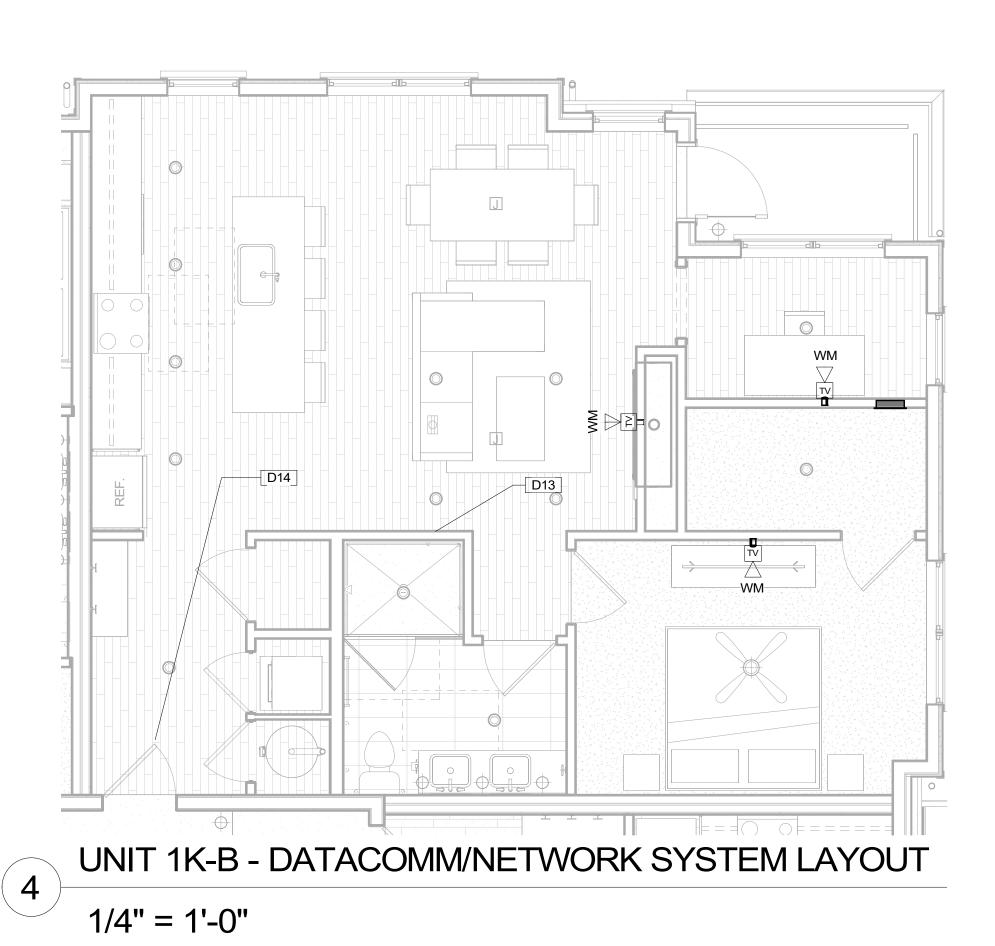
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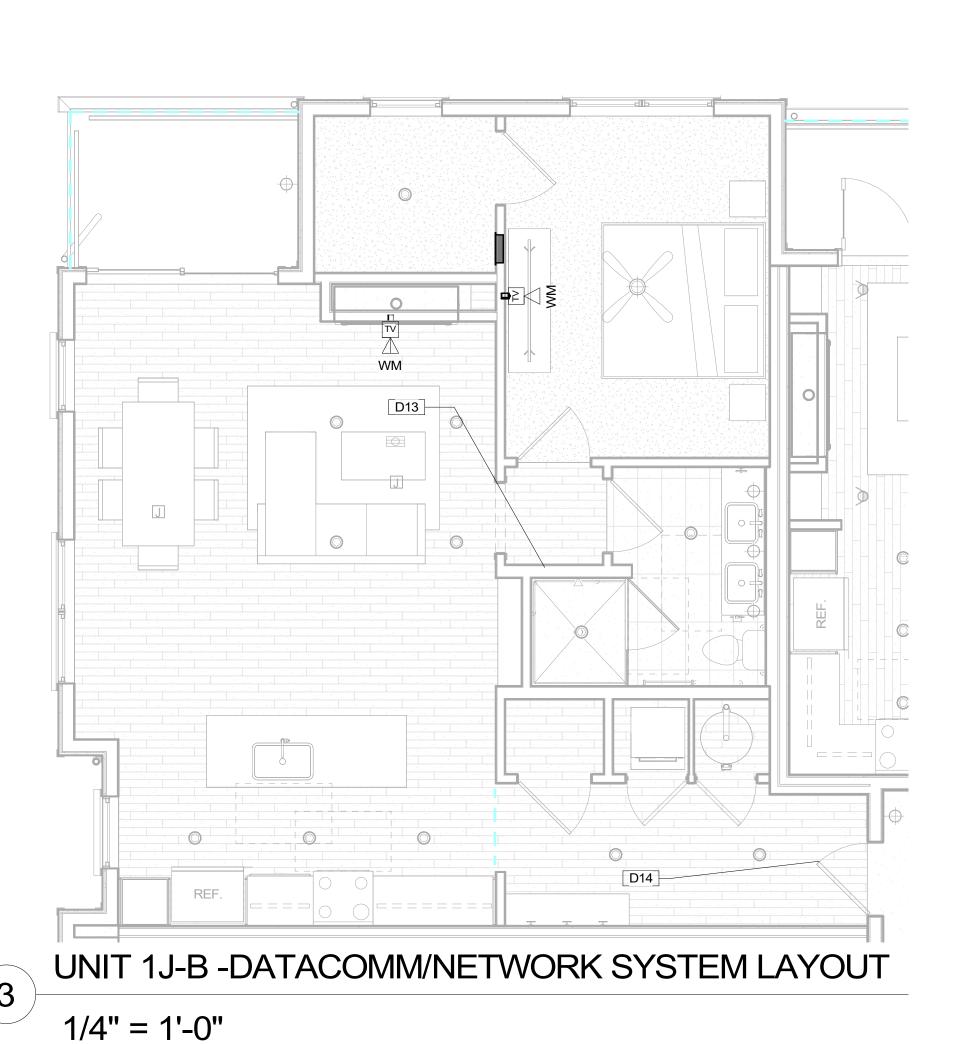


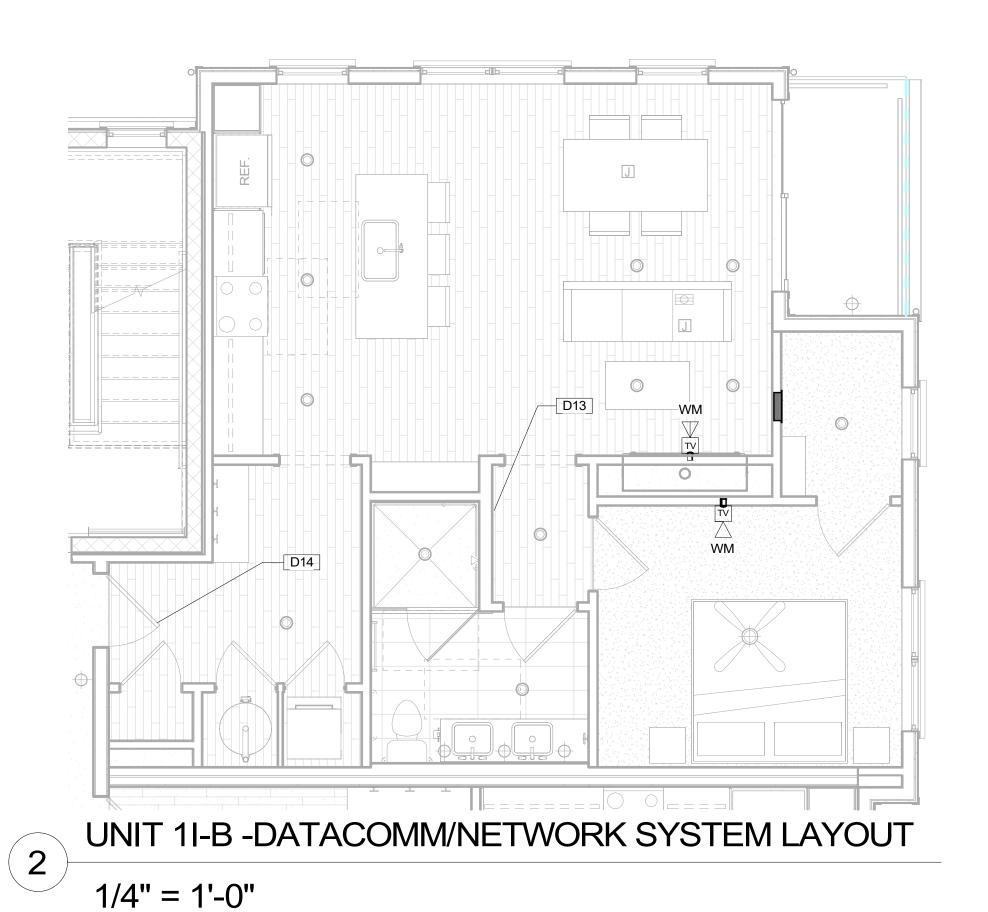
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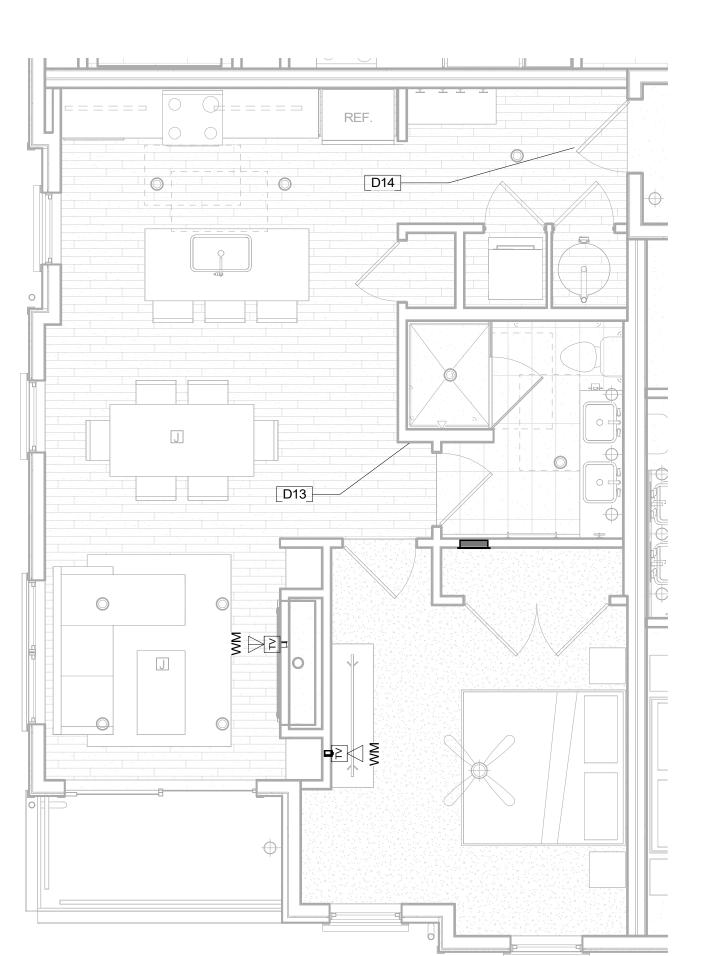
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DATACOMM/NETWORK SYSTEM UNIT PLANS

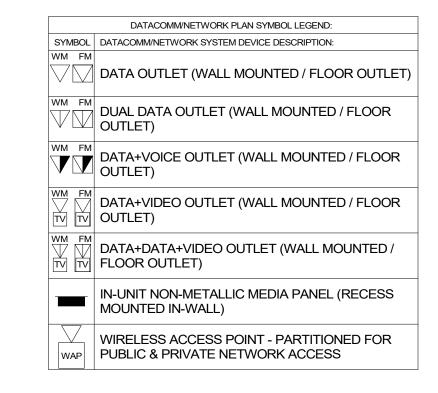








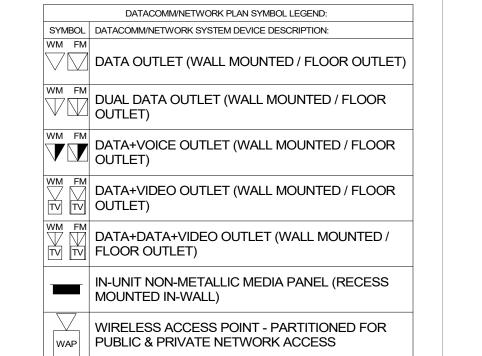
UNIT 1H-B - DATACOMM/NETWORK SYSTEM LAYOUT 1/4" = 1'-0"



#### **DATACOMM UNIT GENERAL NOTES**

- 1. REFER TO COVER SHEET FOR STANDARD DATACOMM/NETWORK DEVICE CABLING
- REQUIREMENTS & MOUNTING HEIGHTS REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER
- REFER TO DATACOMM/NETWORK DETAIL SHEETS FOR
- FACEPLATE AND OUTLET COLORS, TYP.
- BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS
- UNIT HOMERUNS FROM EACH UNIT MEDIA PANEL TO
  - SPECIFICATIONS
- COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS WITH ELECTRICAL CONTRACTOR - CONDUIT IS TO BE
- BLOCKING REQUIRED AT ALL 'HI-LO' TV LOCATIONS ALL IN-UNIT DATA CABLING FROM MEDIA PANEL WILL BE RG6 OR CAT6A UNLESS OTHERWISE NOTED.

NETITOTE LEGEND			
Key Value	Keynote Text		
D13	SMART THERMOSTAT - COORDINATE LOCATION WITH MECHANICAL PLANS		
D14	STAND-ALONE ELECTRONIC UNIT LOCK WITH MOBILE CREDENTIAL CAPABILITY & SHARED CREDENTIAL WITH COMMON AREA ACCESS		





TECHNOLOGY CONSULTANT

EVERBASE SOLUTIONS DENVERICO

O: 855-255-5521

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SOGNO

BLDG

ORIGINAL ISSUANCE:

- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE
- ASSOCIATED IDF ROOM TO BE CONSISTENT WITH SERVICE PROVIDER CONTRACTS. UNIT HOMERUN WIRING TO INCLUDE:
  - \*\*1-OPTICAL FIBER CABLE IN MICRODUCT CONDUIT AS PER SERVICE PROVIDER A
- \*\*1-OPTICAL FIBER CABLE IN MICRODUCT AS PER SERVICE PROVIDER B SPECIFICATIONS
- ROUTED TO NEAREST WALL THAT EXTENDS TO AN ACCESSIBLE CEILING

l	KEYNOTE LEGEND

CONTROL SYSTEM

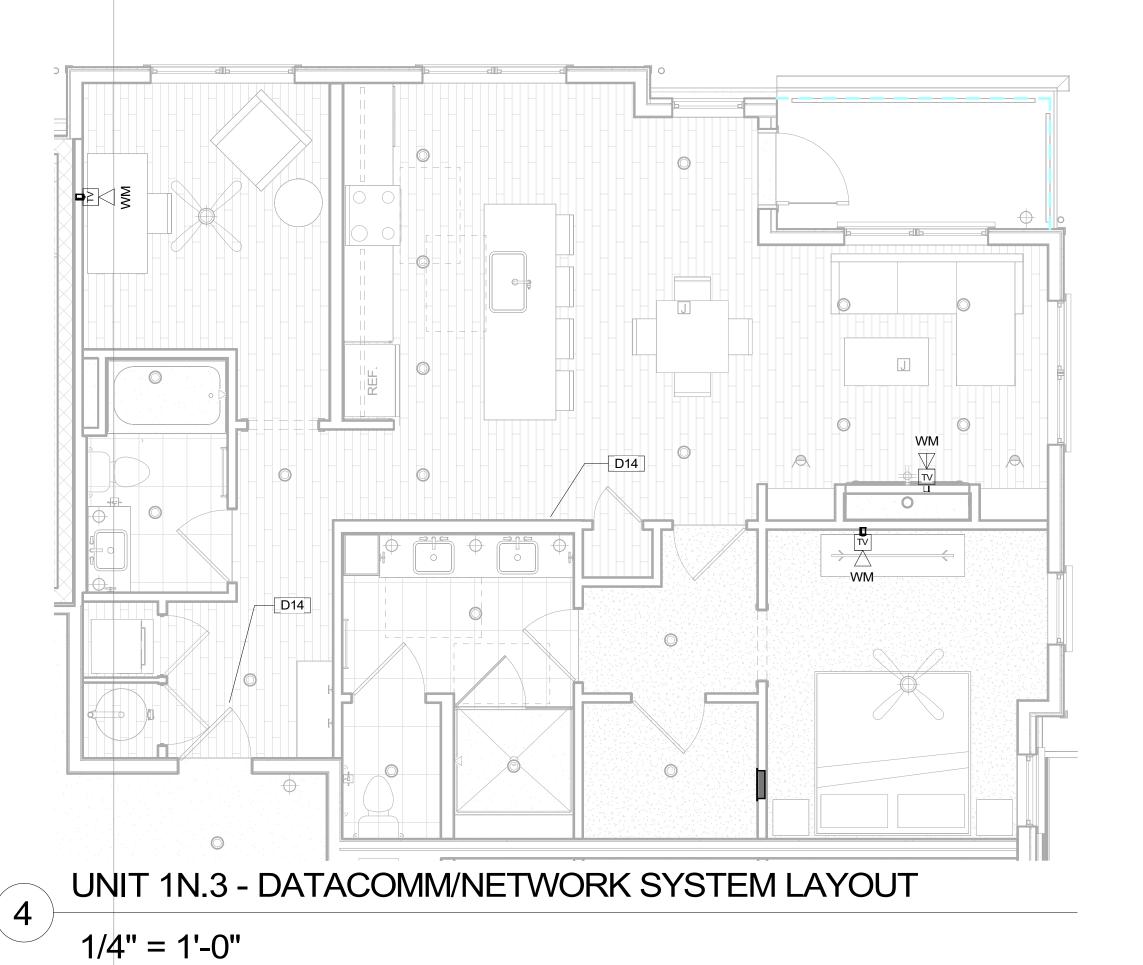
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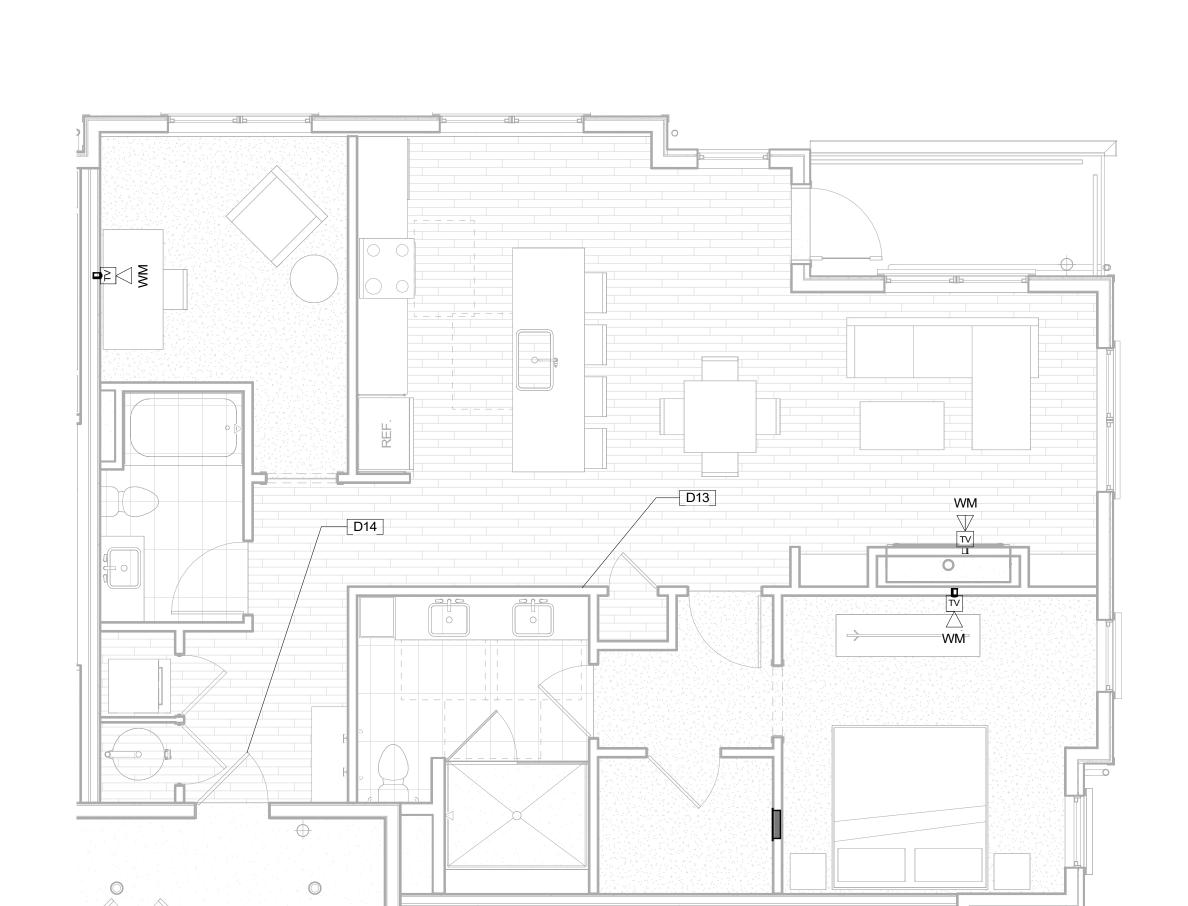
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REVISIONS REVISION DATE DELTA

DATACOMM/NETWORK SYSTEM UNIT PLANS

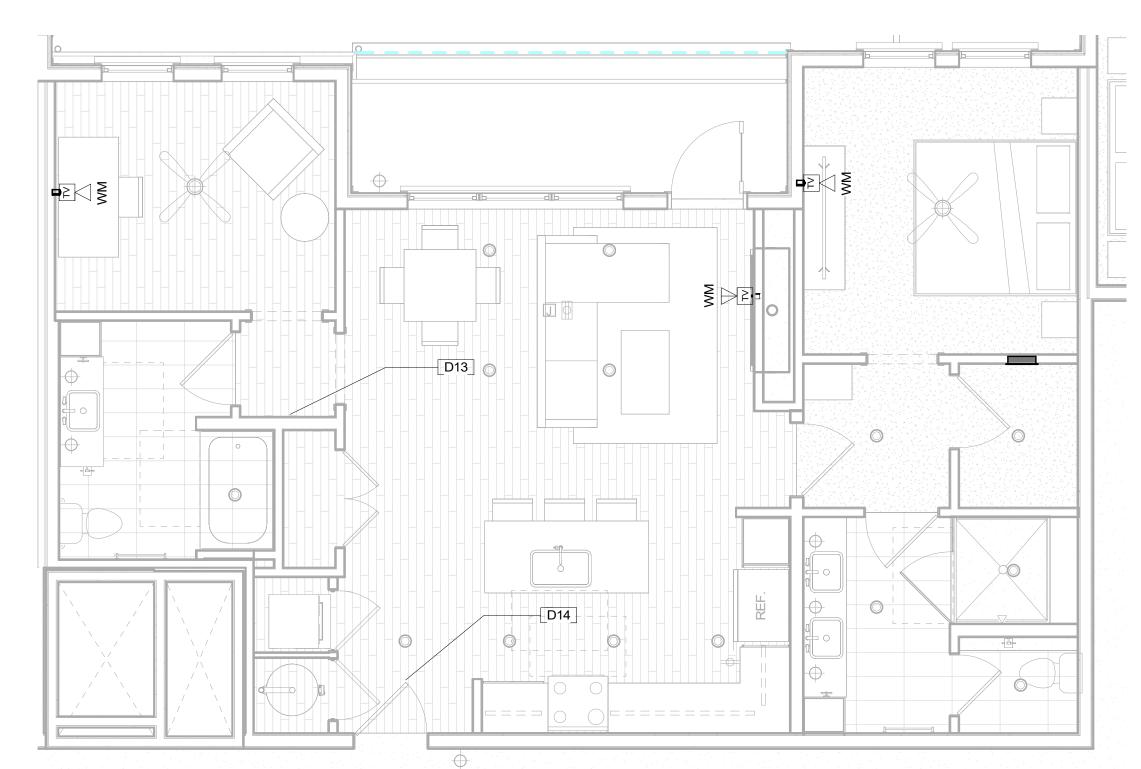
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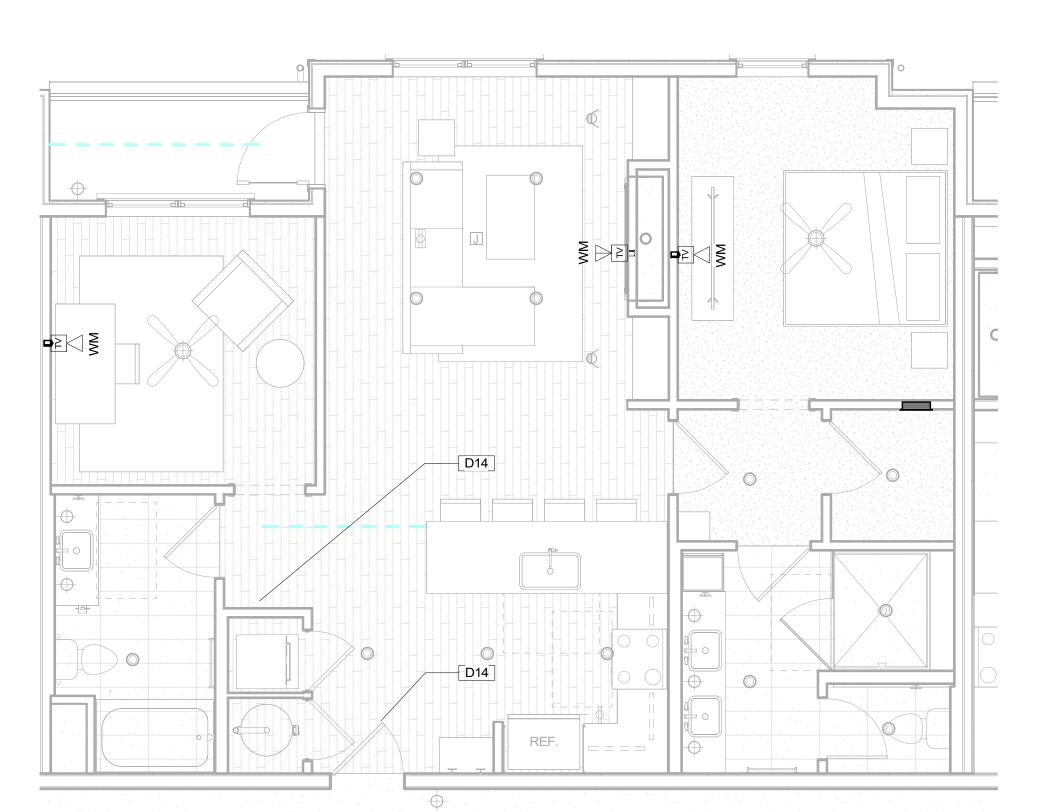
UNIT 1N.2-B - DATACOMM/NETWORK SYSTEM LAYOUT

1/4" = 1'-0"



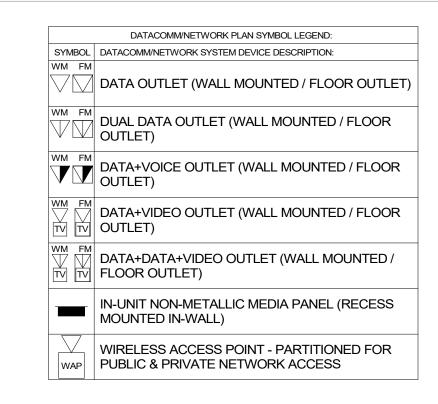
UNIT 1M -DATACOMM/NETWORK SYSTEM LAYOUT

1/4" = 1'-0"



UNIT 1L-B - DATACOMM/NETWORK SYSTEM LAYOUT

1/4" = 1'-0"



#### **DATACOMM UNIT GENERAL NOTES**

- . REFER TO COVER SHEET FOR STANDARD DATACOMM/NETWORK DEVICE CABLING
- REQUIREMENTS & MOUNTING HEIGHTS
  REFER TO DATACOMM/NETWORK ELEVATION &
- SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING

RE: ELECTRICAL DRAWINGS & SPECIFICATIONS FOR

- 3. REFER TO DATACOMM/NETWORK DETAIL SHEETS FOR DATACOMM/NETWORK SYSTEM DETAILS & DIAGRAMS
- FACEPLATE AND OUTLET COLORS, TYP.
  5. CABLE & CONDUIT ROUTING SUBJECT TO CHANGE
- BASED ON FIELD CONDITIONS
- 6. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
   7. UNIT HOMERUNS FROM EACH UNIT MEDIA PANEL TO
- ASSOCIATED IDF ROOM TO BE CONSISTENT WITH
  SERVICE PROVIDER CONTRACTS. UNIT HOMERUN
  WIRING TO INCLUDE:
- A. \*\*1-OPTICAL FIBER CABLE IN MICRODUCT
  CONDUIT AS PER SERVICE PROVIDER A
  SPECIFICATIONS
- B. \*\*1-OPTICAL FIBER CABLE IN MICRODUCT AS PER SERVICE PROVIDER B SPECIFICATIONS
- 8. COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS WITH ELECTRICAL CONTRACTOR CONDUIT IS TO BE ROUTED TO NEAREST WALL THAT EXTENDS TO AN ACCESSIBLE CEILING
- BLOCKING REQUIRED AT ALL 'HI-LO' TV LOCATIONS
   ALL IN-UNIT DATA CABLING FROM MEDIA PANEL WILL BE RG6 OR CAT6A UNLESS OTHERWISE NOTED.

#### KEYNOTE LEGEND

Key Value

Keynote Text

D13

SMART THERMOSTAT - COORDINATE LOCATION WITH MECHANICAL PLANS

D14

STAND-ALONE ELECTRONIC UNIT LOCK WITH MOBILE CREDENTIAL CAPABILITY & SHARED CREDENTIAL WITH COMMON AREA ACCESS CONTROL SYSTEM

ORIGINAL ISSUANCE: DATE:

50% CD SET
03/31/23
NOT FOR CONSTRUCTION
REVISIONS

REVISION DATE DELTA

TECHNOLOGY CONSULTANT

PROJECT INFORMATION

SOUNO

EVERBASE SOLUTIONS DENVERICO

O: 855-255-5521 WWW.EVERBASESOLUTIONS.COM

SYSTEM DESIGNER:

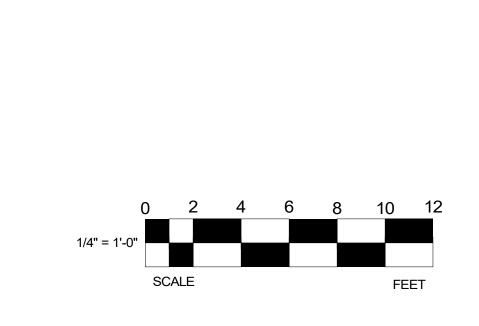
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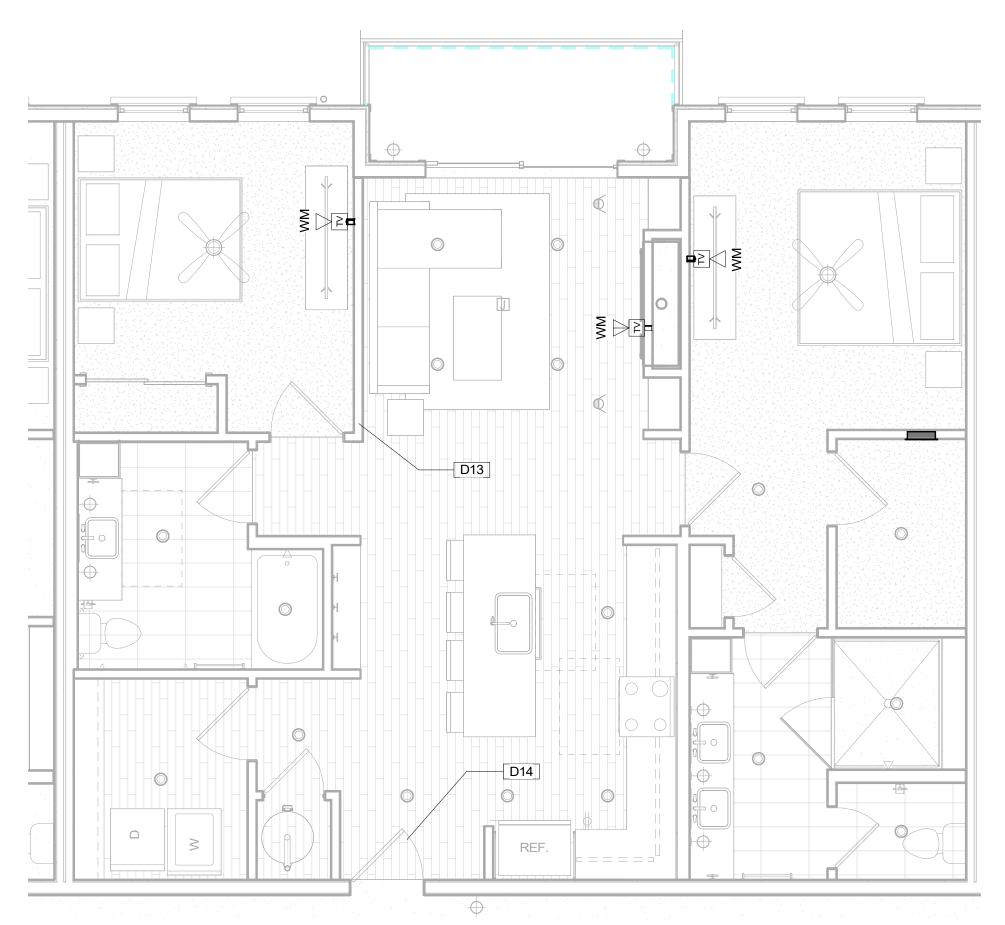
ECS JOB NUMBER:

EET TITLE:

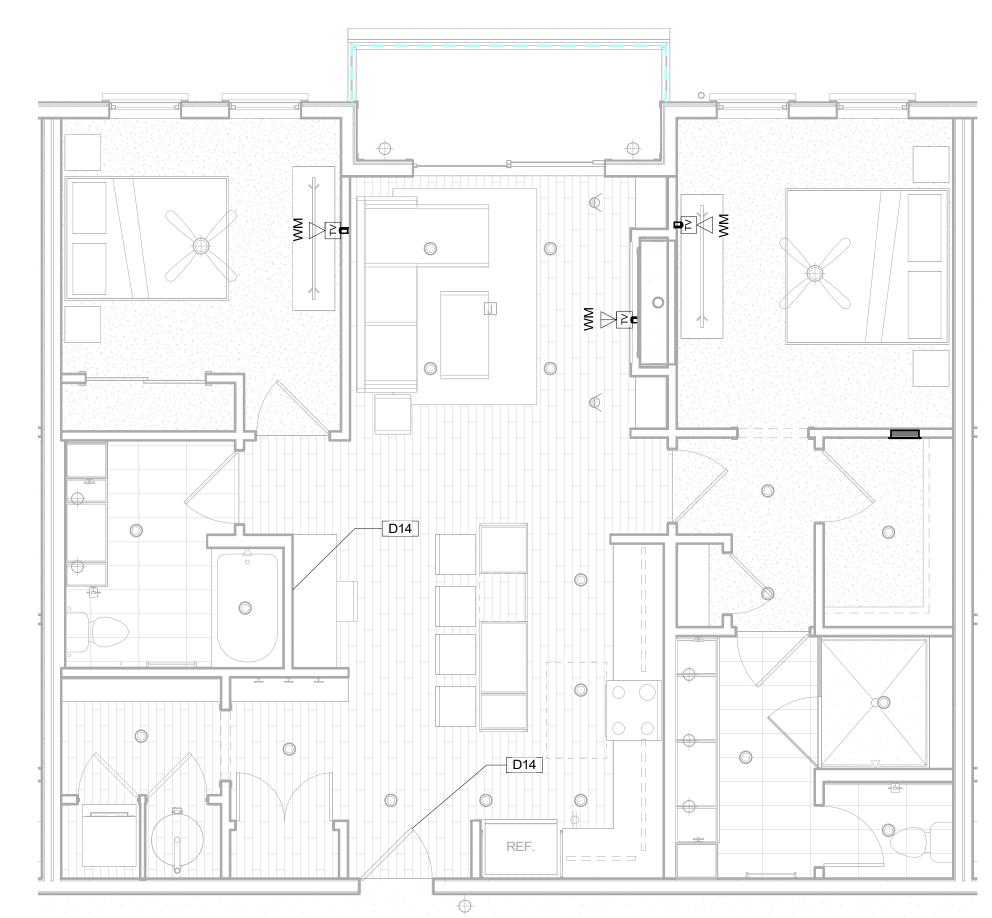
DATACOMM/NETWORK SYSTEM UNIT PLANS

SHEET INFORMATION:

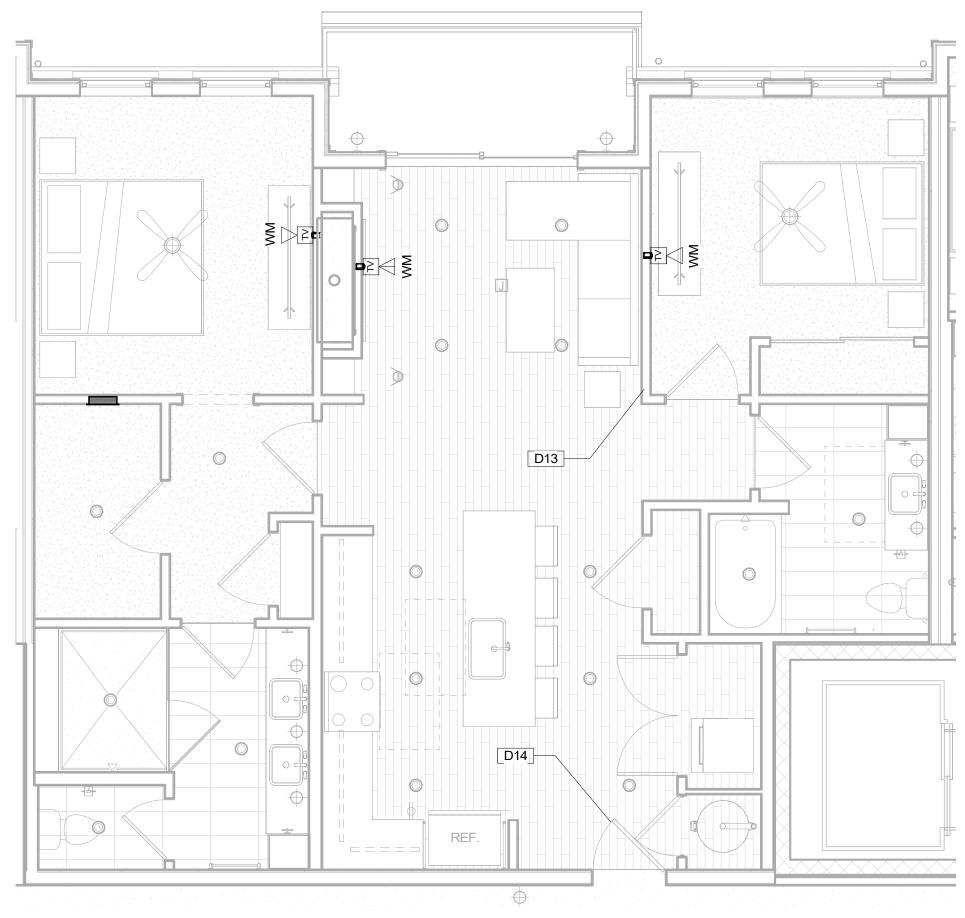




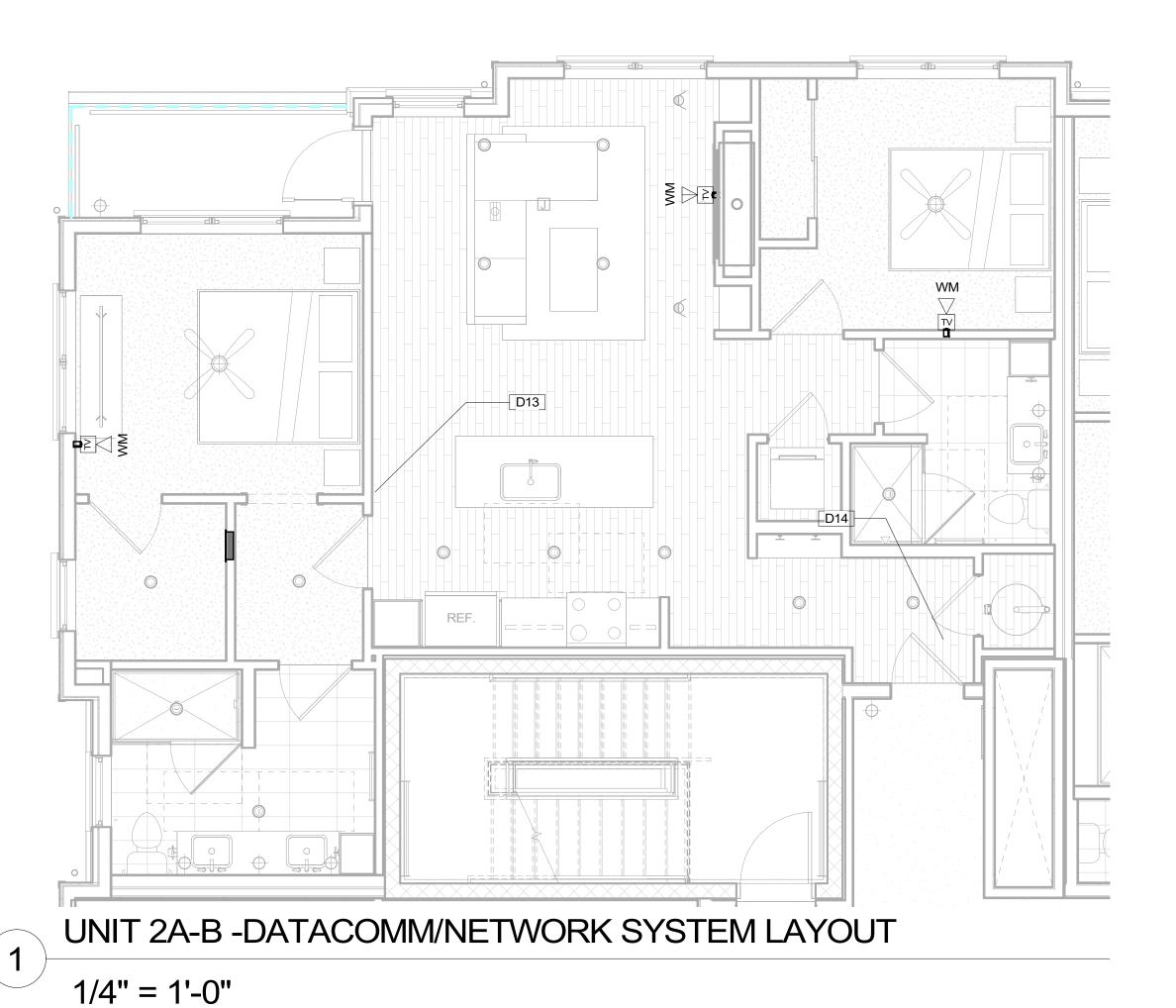
UNIT 2D-A -DATACOMM/NETWORK SYSTEM LAYOUT

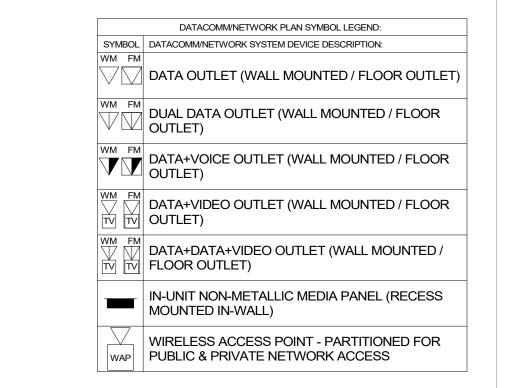


UNIT 2C-B -DATACOMM/NETWORK SYSTEM LAYOUT 1/4" = 1'-0"



UNIT 2B-B -DATACOMM/NETWORK SYSTEM LAYOUT 1/4" = 1'-0"





#### **DATACOMM UNIT GENERAL NOTES**

- REFER TO COVER SHEET FOR STANDARD DATACOMM/NETWORK DEVICE CABLING
- REQUIREMENTS & MOUNTING HEIGHTS REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER
- REFER TO DATACOMM/NETWORK DETAIL SHEETS FOR DATACOMM/NETWORK SYSTEM DETAILS & DIAGRAMS
- FACEPLATE AND OUTLET COLORS, TYP. CABLE & CONDUIT ROUTING SUBJECT TO CHANGE
- BASED ON FIELD CONDITIONS ELECTRICAL CONTRACTOR TO PROVIDE POWER AS
- UNIT HOMERUNS FROM EACH UNIT MEDIA PANEL TO ASSOCIATED IDF ROOM TO BE CONSISTENT WITH SERVICE PROVIDER CONTRACTS. UNIT HOMERUN WIRING TO INCLUDE:
  - \*\*1-OPTICAL FIBER CABLE IN MICRODUCT CONDUIT AS PER SERVICE PROVIDER A SPECIFICATIONS
- \*\*1-OPTICAL FIBER CABLE IN MICRODUCT AS PER SERVICE PROVIDER B SPECIFICATIONS
- COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS WITH ELECTRICAL CONTRACTOR - CONDUIT IS TO BE ROUTED TO NEAREST WALL THAT EXTENDS TO AN ACCESSIBLE CEILING
- BLOCKING REQUIRED AT ALL 'HI-LO' TV LOCATIONS ALL IN-UNIT DATA CABLING FROM MEDIA PANEL WILL BE RG6 OR CAT6A UNLESS OTHERWISE NOTED.

#### **KEYNOTE LEGEND**

Keynote Text SMART THERMOSTAT - COORDINATE LOCATION WITH MECHANICAL PLANS STAND-ALONE ELECTRONIC UNIT LOCK WITH

MOBILE CREDENTIAL CAPABILITY & SHARED CREDENTIAL WITH COMMON AREA ACCESS CONTROL SYSTEM

TECHNOLOGY CONSULTANT EVERBASE SOLUTIONS DENVERICO

O: 855-255-5521 WWW.EVERBASESOLUTIONS.COM

PROJECT INFORMATION

SOUNO

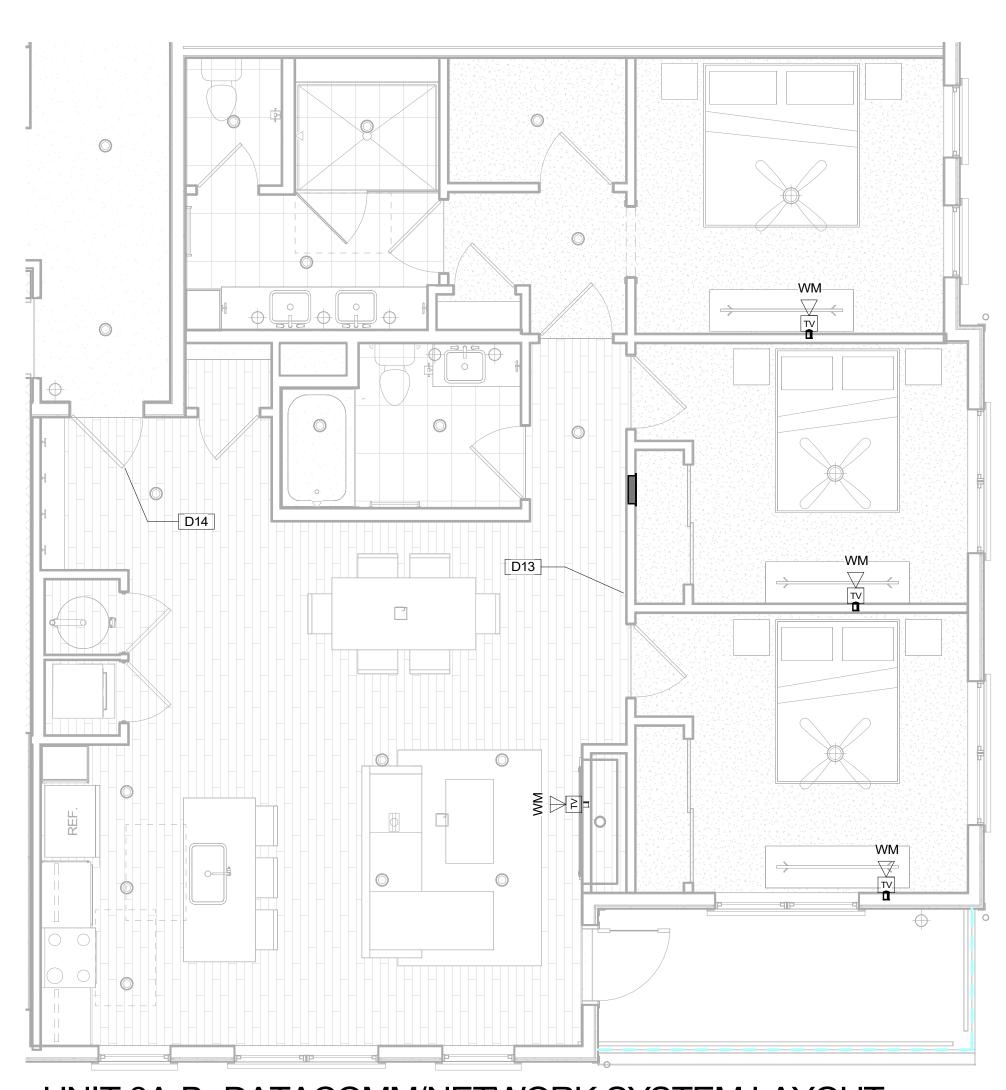
ORIGINAL ISSUANCE: 50% CD SET 03/31/23
NOT FOR CONSTRUCTION REVISIONS REVISION DATE DELTA

ECS JOB NUMBER:

SHEET TITLE:

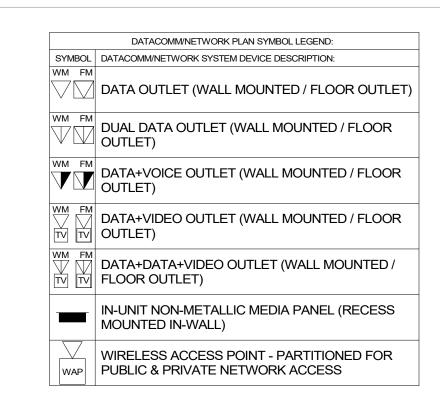
SHEET INFORMATION:

DATACOMM/NETWORK SYSTEM UNIT PLANS



UNIT 3A-B -DATACOMM/NETWORK SYSTEM LAYOUT

1/4" = 1'-0"



#### **DATACOMM UNIT GENERAL NOTES**

- REFER TO COVER SHEET FOR STANDARD DATACOMM/NETWORK DEVICE CABLING
- REQUIREMENTS & MOUNTING HEIGHTS REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER
- REFER TO DATACOMM/NETWORK DETAIL SHEETS FOR DATACOMM/NETWORK SYSTEM DETAILS & DIAGRAMS
- RE: ELECTRICAL DRAWINGS & SPECIFICATIONS FOR FACEPLATE AND OUTLET COLORS, TYP.
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS
- SPECIFIED UNIT HOMERUNS FROM EACH UNIT MEDIA PANEL TO ASSOCIATED IDF ROOM TO BE CONSISTENT WITH SERVICE PROVIDER CONTRACTS. UNIT HOMERUN
  - WIRING TO INCLUDE: \*\*1-OPTICAL FIBER CABLE IN MICRODUCT CONDUIT AS PER SERVICE PROVIDER A SPECIFICATIONS
- \*\*1-OPTICAL FIBER CABLE IN MICRODUCT AS PER SERVICE PROVIDER B SPECIFICATIONS

10. ALL IN-UNIT DATA CABLING FROM MEDIA PANEL WILL BE RG6 OR CAT6A UNLESS OTHERWISE NOTED.

COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS WITH ELECTRICAL CONTRACTOR - CONDUIT IS TO BE ROUTED TO NEAREST WALL THAT EXTENDS TO AN ACCESSIBLE CEILING BLOCKING REQUIRED AT ALL 'HI-LO' TV LOCATIONS

**KEYNOTE LEGEND** Keynote Text SMART THERMOSTAT - COORDINATE LOCATION WITH MECHANICAL PLANS STAND-ALONE ELECTRONIC UNIT LOCK WITH MOBILE CREDENTIAL CAPABILITY & SHARED CREDENTIAL WITH COMMON AREA ACCESS CONTROL SYSTEM

ONDO

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

PROJECT INFORMATION

EVERBASE

DENVER | CO

O: 855-255-5521

WWW.EVERBASESOLUTIONS.COM

ORIGINAL ISSUANCE: 50% CD SET 03/31/23
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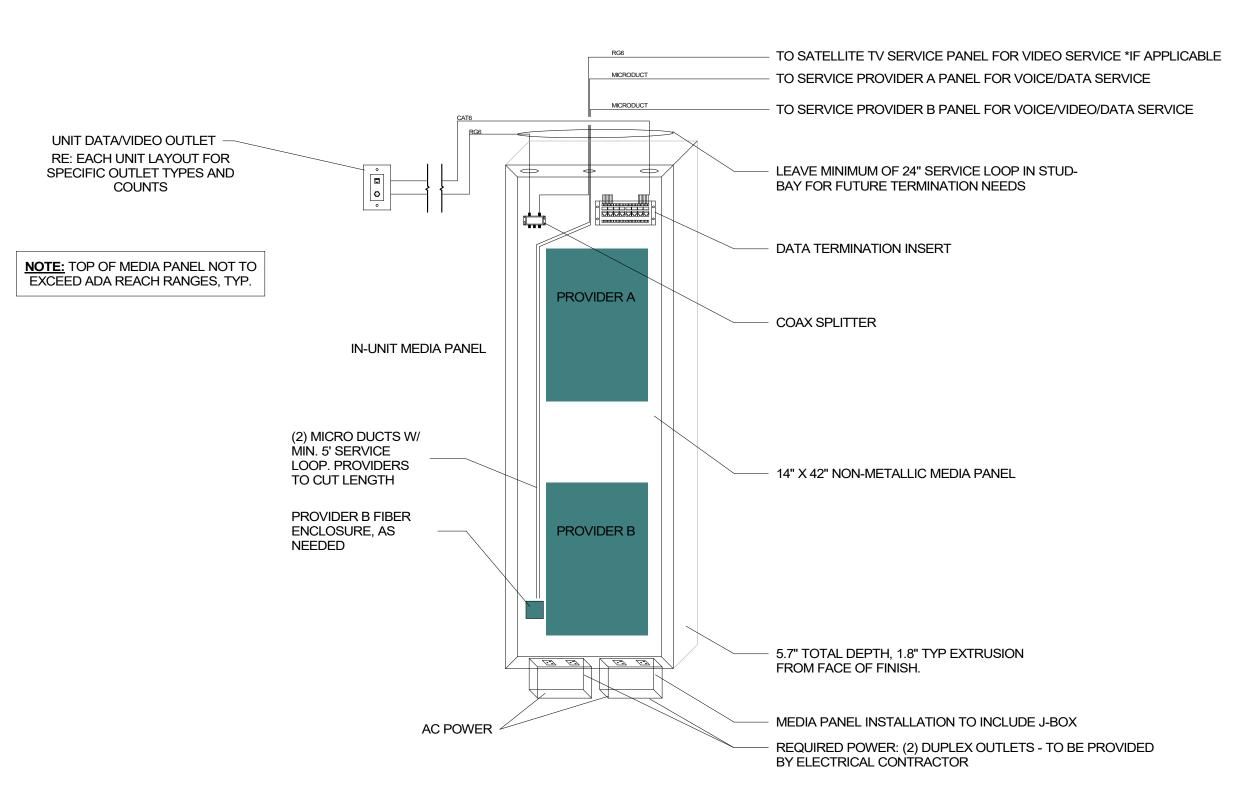
REVISION DATE DELTA

SYSTEM DESIGNER:

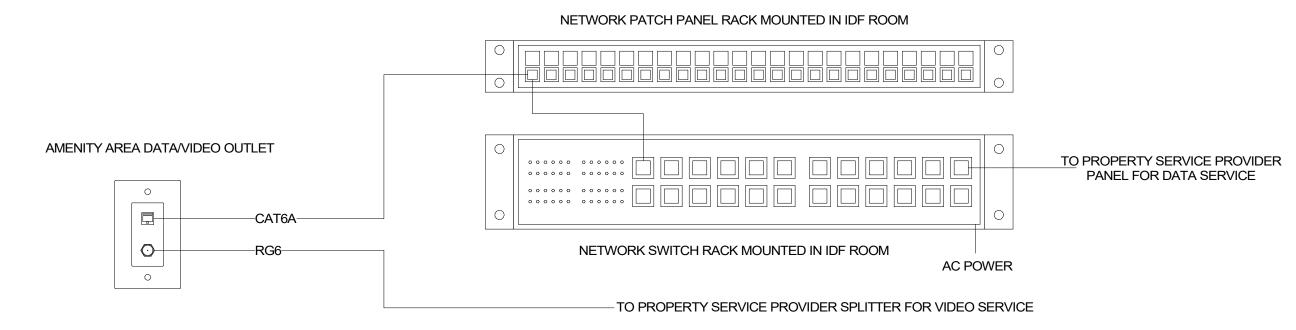
SYSTEM REVIEWER: ECS JOB NUMBER:

DATACOMM/NETWORK SYSTEM UNIT PLANS

SHEET INFORMATION:



# 14 X 42 NON-METALLIC MEDIA PANEL DIAGRAM NTS



### COMMON AREA OUTLET CONNECTIVITY DIAGRAM (6)

# DATA+DATA+VIDEO OUTLET BY TECHNOLOGY INTEGRATOR TV WALL MOUNT - PROVIDED BY TECHNOLOGY INTEGRATOR POWER OUTLET BY ELECTRICAL CONTRACTOR 2' - 10" PLYWOOD BLOCKING - PROVIDED BY GENERAL CONTRACTOR (GC)

WALL MOUNTED TV BLOCKING DETAIL

NTS

5

NTS

#### **DATA+VIDEO OUTLET**

#### DECORA FACEPLATE RJ-45 DATA KEYSTONE (1)(TYP) DUAL KEYSTONE DECORA INSERT RG-6 COAX KEYSTONE (2)(TYP) TYPICAL FACEPLATE SCREW

OUTLET CONNECTIONS: 1 DATA, 1 VIDEO CONNECTION **DESCRIPTION RJ-45 DATA KEYSTONE** UL LISTED CAT6A CABLE **RG-6 COAX KEYSTONE** 

UL LISTED COAX CABLE

#### **DUAL DATA+VIDEO OUTLET**



OUTLET CONNECTIONS: 2 DATA, 1 VIDEO CONNECTION **DESCRIPTION RJ-45 DATA KEYSTONES** UL LISTED CAT6A CABLES **RG-6 COAX KEYSTONE** UL LISTED COAX CABLE

# NTS

# RESIDENTIAL DATA & VIDEO FACEPLATE DETAILS

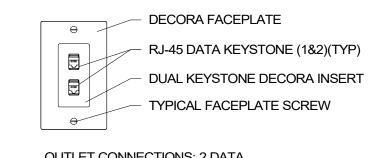
## DECORA FACEPLATE RJ-45 DATA KEYSTONE (1)(TYP) SINGLE KEYSTONE DECORA INSERT TYPICAL FACEPLATE SCREW **OUTLET CONNECTIONS: 1 DATA**

**RJ-45 DATA KEYSTONE** 

UL LISTED CAT6A CABLE

DATA OUTLET

#### **DUAL DATA OUTLET**



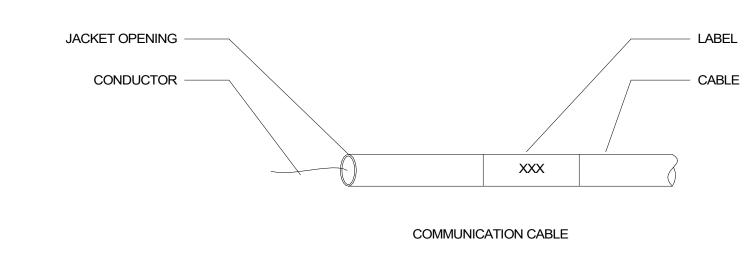
**OUTLET CONNECTIONS: 2 DATA** DESCRIPTION **RJ-45 DATA KEYSTONES** UL LISTED CAT6A CABLES

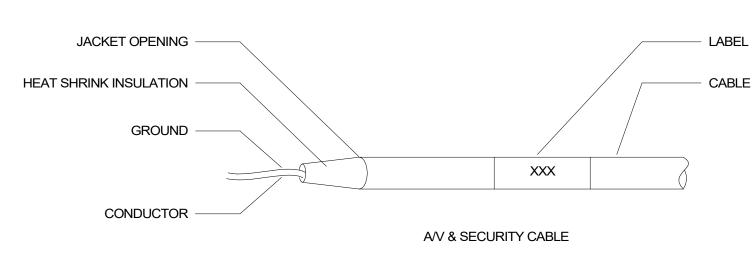
#### RESIDENTIAL DATA FACEPLATE DETAILS 3

## NTS

**GENERAL NOTES:** 

ALL SYSTEM CABLES OUTSIDE OF CONDUIT SHALL BE SUPPORTED WITHIN CEILING SPACES, UNDER FLOOR SPACES, ALONG WALLS & WITHIN EQUIPMENT RACKS PROVIDE THERMAL TRANFER/SELF LAMINATING TYPE LABELS LOCATED 2" FROM EACH TERMINATED END PROVIDE CLEAR HEAT SHRINK FOR ALL TERMINATED GROUND CONDUCTORS. FOR ALL UNTERMINATED GROUND CONDUCTORS, CUT BACK TO JACKET OPENING AND COVER W/ HEAT

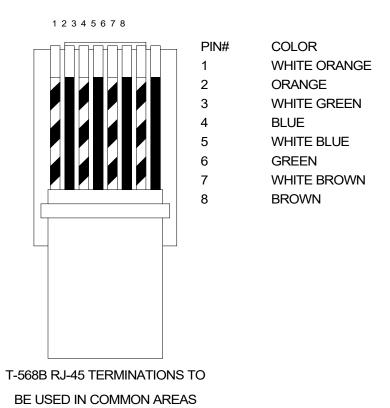




#### CABLE DRESS REQUIREMENTS

#### NTS

#### T-568B RJ-45 PINOUT (TOP VIEW)



**RJ-45 PINNING & LABELING DETAIL** 

DATACOMM/NETWORK SYSTEM PLAN SYMBOL LEGEND POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)

NETWORK ETHERNET FIBER SWITCH (LOCATED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET

CCTV SYSTEM NETWORK VIDEO RECORDER (NVR) NVR (MOUNTED IN EQUIPMENT RACK) - REQUIRED pOWER: 1 DUPLEX OUTLET AV EQUIPMENT RACK (SEE ZONE DESCRIPTION

FOR MOUNTING) - REQUIRED POWER: 1 FOURPLEX OUTLET ON DEDICATED CIRCUIT INTRUSION DETECTION SYSTEM CONTROLLER IDC (WALL MOUNTED) - REQUIRED POWER: 1 DUPLEX

ACCESS CONTROL PANEL & POWER SUPPLY AP# (WALL MOUNTED) - COORDINATE REQUIRED POWER WITH ELÉCTRICAL CONTRACTOR

#### **DATACOMM GENERAL NOTES**

- REFER TO SHEET TD-000 FOR STANDARD DATACOMM/NETWORK DEVICE CABLING
- REQUIREMENTS & MOUNTING HEIGHTS RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE ARE TYPICAL ARRANGEMENTS AND ARE NOT SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK COMPONENTS TO MEET SYSTEM FUNCTIONALITY REQUIREMENTS.
- REFER TO DATACOMM/NETWORK ELEVATION & RISER ROUTING
- SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & REFER TO DATACOMM/NETWORK UNIT SHEETS
- FOR REQUIRED UNIT "HOME RUN" WIRING & IN-UNIT DATACOMM/NETWORK DEVICE LAYOUT REFER TO DATACOMM/NETWORK DETAIL SHEETS FOR DATACOMM/NETWORK SYSTEM
- **DETAILS & DIAGRAMS** RE: ELECTRICAL DRAWINGS & SPECIFICATIONS FOR FACEPLATE AND OUTLET COLORS, TYP.
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS ELECTRICAL CONTRACTOR TO PROVIDE POWER
- ELECTRICAL CONTRACTOR TO PROVIDE BOTH TRENCH AND ABOVE GROUND CONDUIT AS
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX
- BY INSTALLING CONTRACTOR SERVICE PROVIDER & SYSTEMS NETWORK BACKBONE CONDUIT TO BE LIMITED TO 270° OF BENDS BETWEEN PULL POINTS & ALL 90°
- LATERAL BENDS TO BE 60" MINIMUM RADIUS ELECTRICAL CONTRACTOR TO PROVIDE #6 COPPER GROUND AT EACH MDF/IDF ROOM - TO BE LOCATED ADJACENT TO THE SERVICE
- PROVIDER TERMINATIONS UNIT TERMINATIONS MUST BE WIRED TO IDF AS INDICATED, PER THIS DESIGN. \* SHOULD UNITS BE WIRED TO A DIFFERENT IDF DUE TO FIELD CONDITIONS. EVERBASE CONSULTING SOLUTIONS IS TO BE IMMEDIATELY NOTIFIED AS
- THIS AFFECTS THE PROVIDERS DESIGN WIRELESS ACCESS POINTS TO PROVIDE PARTITIONED NETWORK ACCESS FOR PUBLIC & FOR SECURE STAFF-ONLY NETWORK ACCESS
- BLOCKING REQUIRED AT ALL COMMON AREA TV **LOCATIONS** COORDINATE ROUGH-IN OF ALL FLOOR OUTLETS WITH ELECTRICAL CONTRACTOR - CONDUIT IS
- TO BE ROUTED TO NEAREST WALL THAT EXTENDS TO AN ACCESSIBLE CEILING MDF/IDF LAYOUTS ARE SCHEMATIC IN NATURE, ACTUAL INSTALLATION MAY VARY BASED ON
- FIELD CONDITIONS AND INTEGRATION MEANS AND METHODS WHEN MULTIPLE CARRIERS ARE PRESENT IN AN MDF/IDF ROOM, EACH CARRIER'S HOME RUN
- CABLING SHALL BE IN SEPARATE SLEEVING. ALLOW 48" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ELECTRICAL TRANSFORMERS PER THE LATEST VERSION OF
- ALLOW 36" MIN. CLEARANCE BETWEEN ANY LOW VOLTAGE EQUIPMENT AND ANY ELECTRICAL EQUIPMENT, PER THE LATEST VERSION OF TIA
- PLYWOOD INSTALLED IN MDF/IDF ROOMS SHALL BE A/C GRADE AND FINISHED WITH TWO COATS OF FIRE-RETARDANT PAINT. PLYWOOD SHALL BE PAINTED PRIOR TO INSTALLATION OF ANY EQUIPMENT. PLYWOOD SHALL BE MOUNTED VERTICALLY WITH BOTTOM OF PLYWOOD MOUNTED (6 IN.) ABOVE THE FINISHED FLOOR AND ANY FIRE RATING STAMPS VISIBLE AT ALL
- ANY ELECTRIC VEHICLE CHARGING STATIONS TO BE CELLULAR DATA CONNECTION CAPABLE UNLESS OTHERWISE NOTED, TYP.
  - HEATING AND COOLING OF MDF/IDF ROOMS ARE TO BE DETERMINED ON A CASE-BY-CASE BASIS, BUT IT IS TYPICAL THAT A SPLIT DUCT SYSTEM IS SERVICING THE MDF AND IDF ROOMS WITH ONLY SERVICE PROVIDER EQUIPMENT CAN BE SERVICED WITH TRANSFER FANS.
  - RE: MEP DRAWINGS FOR PLENUM SPACES AND AVAILABILITY TO ENSURE SPACE REQUIREMENTS ARE MET. ANY OR ALL SHAFTS ARE IN USE BY MEP TYP., DO NOT PLAN ON USE OF SHAFT UNLESS TECHNOLOGY DESIGN INDICATES A SPECIFIC SHAFT IS TO BE USED.

TECHNOLOGY CONSULTANT **EVERBASE** SOLUTIONS DENVER | CO

PROJECT ARCHITECT

O: 855-255-5521 WWW.EVERBASESOLUTIONS.COM PROJECT INFORMATION

ORIGINAL ISSUANCE: NOT FOR CONSTRUCTION REVISIONS REVISION DATE DELTA

SYSTEM DESIGNER:

SYSTEM REVIEWER: ECS JOB NUMBER: ES-3247 SHEET INFORMATION: SHEET TITLE:

DATACOMM/NETWORK SYSTEM DETAILS

SHEET NUMBER:

SHEET NUMBER	SHEET DESCRIPTION	ISSUANCE TITLE	ISSUE DATE	REVISION TITLE	REVISION DATE
Technology Se	t - Security System	1			1
D-TS000	SECURITY SYSTEM COVER SHEET	50% CD SET	03/31/23		
D-TS001	SECURITY SYSTEM MOUNTING HEIGHTS	50% CD SET	03/31/23		
D-TS201	BLDG D LEVEL 1 - SECURITY SYSTEM LAYOUT	50% CD SET	03/31/23		
TS801	ACCESS CONTROL SYSTEM DOOR DETAILS	50% CD SET	03/31/23		
TS802	ACCESS CONTROL SYSTEM GATE DETAILS	50% CD SET	03/31/23		
TS803	CCTV SYSTEM DETAILS	50% CD SET	03/31/23		
TS900	ACCESS CONTROL SYSTEM DOOR	50% CD SET	03/31/23		
TS901	LOCK SCHEDULE	50% CD SET	03/31/23		
TS902	CCTV SCHEDULE & DIAGRAM	50% CD SET	03/31/23		

SECURITY PLAN SYMBOL LEGEND:						
SYMBOL	ELEVATION	CCTV SYSTEM DEVICE DESCRIPTION:	DEVICE REQUIRED CABLING:			
NVR		CCTV SYSTEM NETWORK VIDEO RECORDER (NVR) (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET	1-CAT6 TO NETWORK PATCH PANEL			
⊳ 1-1	Tel. Tel.	CEILING MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)	1-CAT6 TO ASSOCIATED POE PATCH PANEL			
PTZ 2-1		CEILING MOUNTED PAN, TILT, ZOOM (PTZ) POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)	1-16/2 STRANDED FOR POWER & 1-CAT6 TO ASSOCIATED POE PATCH PANEL			
 		WALL MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)	1-CAT6 TO ASSOCIATED POE PATCH PANEL			
тт 2-2 М		WALL MOUNTED PAN, TILT, ZOOM (PTZ) POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)	1-16/2 STRANDED FOR POWER & 1-CAT6 TO ASSOCIATED POE PATCH PANEL			
J	SIZING AS NEEDED	CCTV SYSTEM J-BOX	2-GANG BOX FOR ACCESS TO CCTV DEVICE FROM CONDUIT			
		INTRUSION DETECTION SYSTEM DEVICE DESCRIPTION:	DEVICE REQUIRED CABLING:			
IDC	-	INTRUSION DETECTION SYSTEM CONTROLLER (WALL MOUNTED)	1-CAT6 TO PHONE BLOCK IN ASSOCIATED IDF ROOM - REQUIRED POWER: 1 DUPLEX OUTLET			
KP		INTRUSION DETECTION KEYPAD (WALL MOUNTED WITH BUTTONS AT A.D.A. ACCESSIBLE HEIGHT)	1-22/4 STRANDED TO INTRUSION DETECTION SYSTEM CONTROLLER (IDC)			
DC	0 0	DOOR CONTACT (MOUNTED TO DOOR FRAME)	1-22/4 STRANDED TO INTRUSION DETECTION SYSTEM CONTROLLER (IDC)			
MS		MOTION SENSOR (WALL MOUNTED)	1-22/4 STRANDED TO INTRUSION DETECTION SYSTEM CONTROLLER (IDC)			
VS		VIBRATION SENSOR (WALL MOUNTED)	1-22/4 STRANDED TO INTRUSION DETECTION SYSTEM CONTROLLER (IDC)			
		INTRUSION DETECTION SIREN (AT KEYPAD OR WALL MOUNTED)	1-16/2 STRANDED TO INTRUSION DETECTION SYSTEM CONTROLLER (IDC)			

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



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BLDG D 4TH STREET CONDOS

50% CD SET		03/3		
NOT FOR C	ONSTR	UCTION		
REVISIONS				
REVISION	DATE	DELTA		

ORIGINAL ISSUANCE:

SYSTEM DESIGNER:

AD/AF

SYSTEM REVIEWER:

LR

ECS JOB NUMBER:

ES-3247

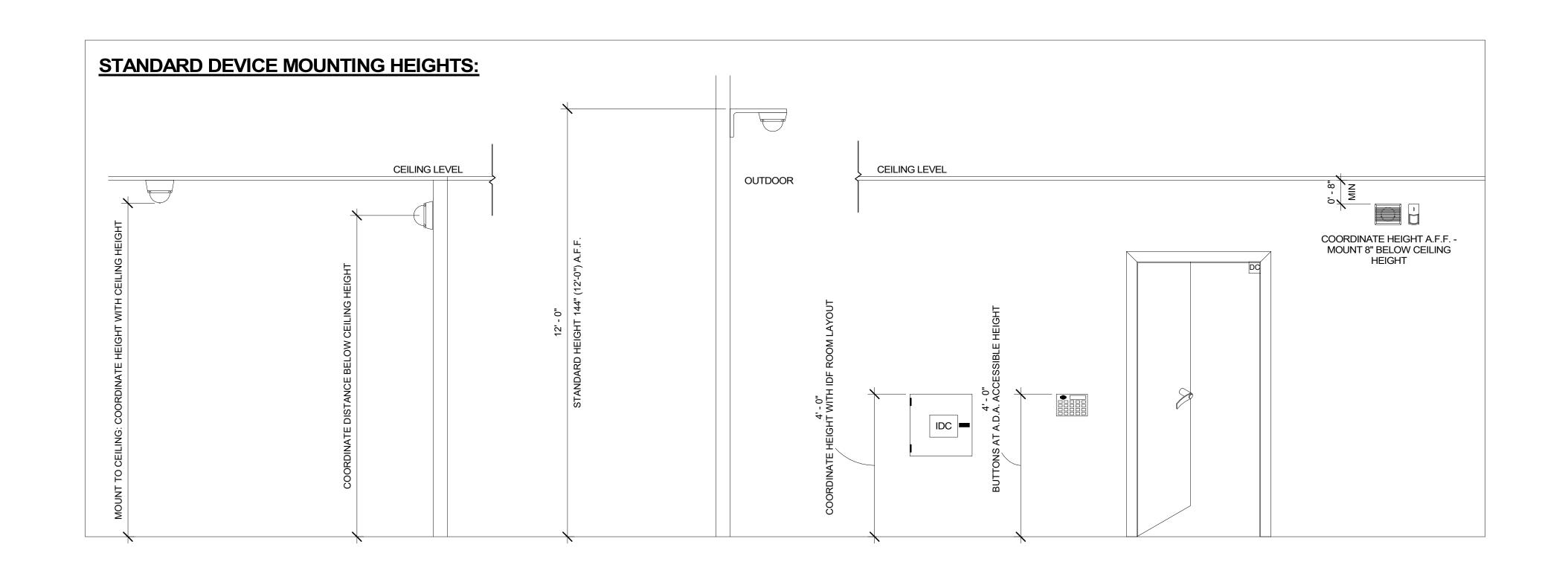
SHEET INFORMATION:

SHEET TITLE:

SECURITY SYSTEM COVER SHEET

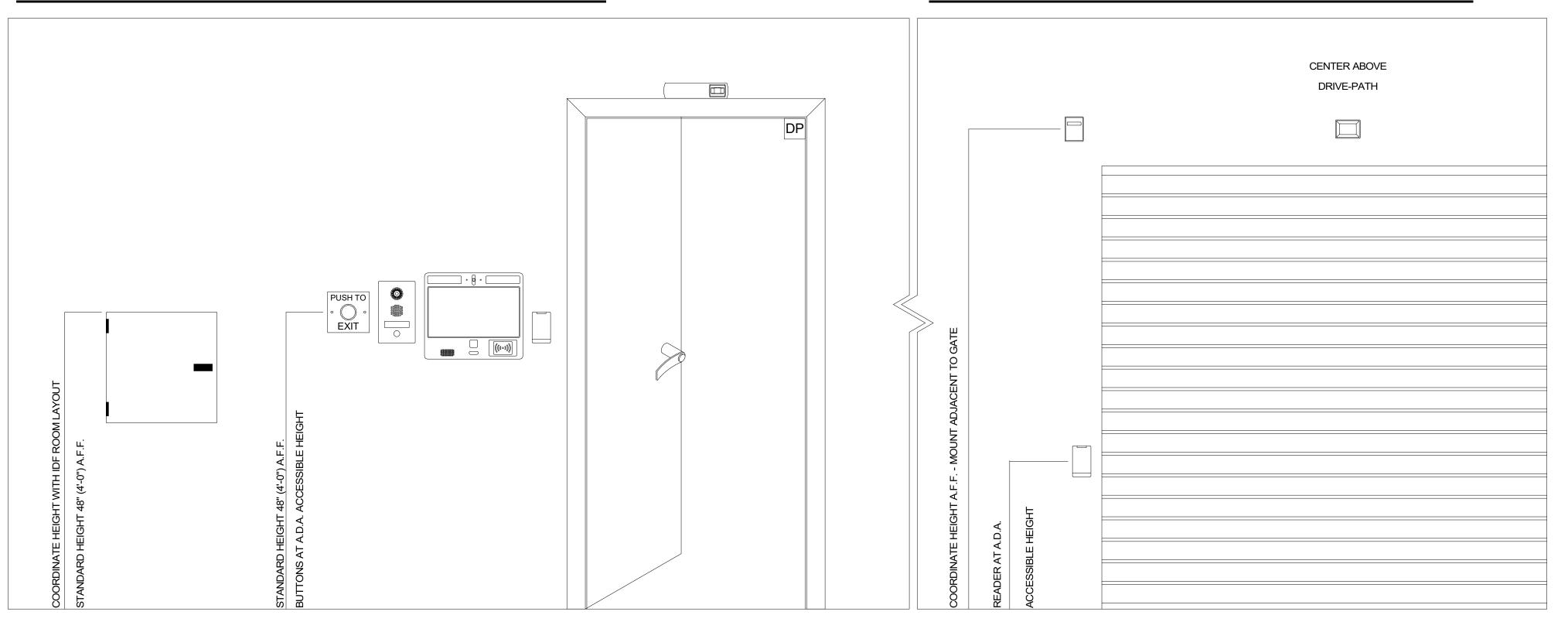
SHEET NUMBER:

D-TS000



# STANDARD PEDESTRIAN DOOR DEVICE MOUNTING HEIGHTS:

#### STANDARD VEHICLE GATE DEVICE MOUNTING HEIGHTS:



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PROJECT INFORMATION

G D 4TH STREET CONDC 47 W 5TH STREET SILVERTHORNE, CO

ORIGINAL ISSUANCE: DATE:

50% CD SET 03/31/23

NOT FOR CONSTRUCTION

REVISIONS

REVISION DATE DELTA

SYSTEM DESIGNER:

AD/AI

SYSTEM REVIEWER:

LF

ECS JOB NUMBER:

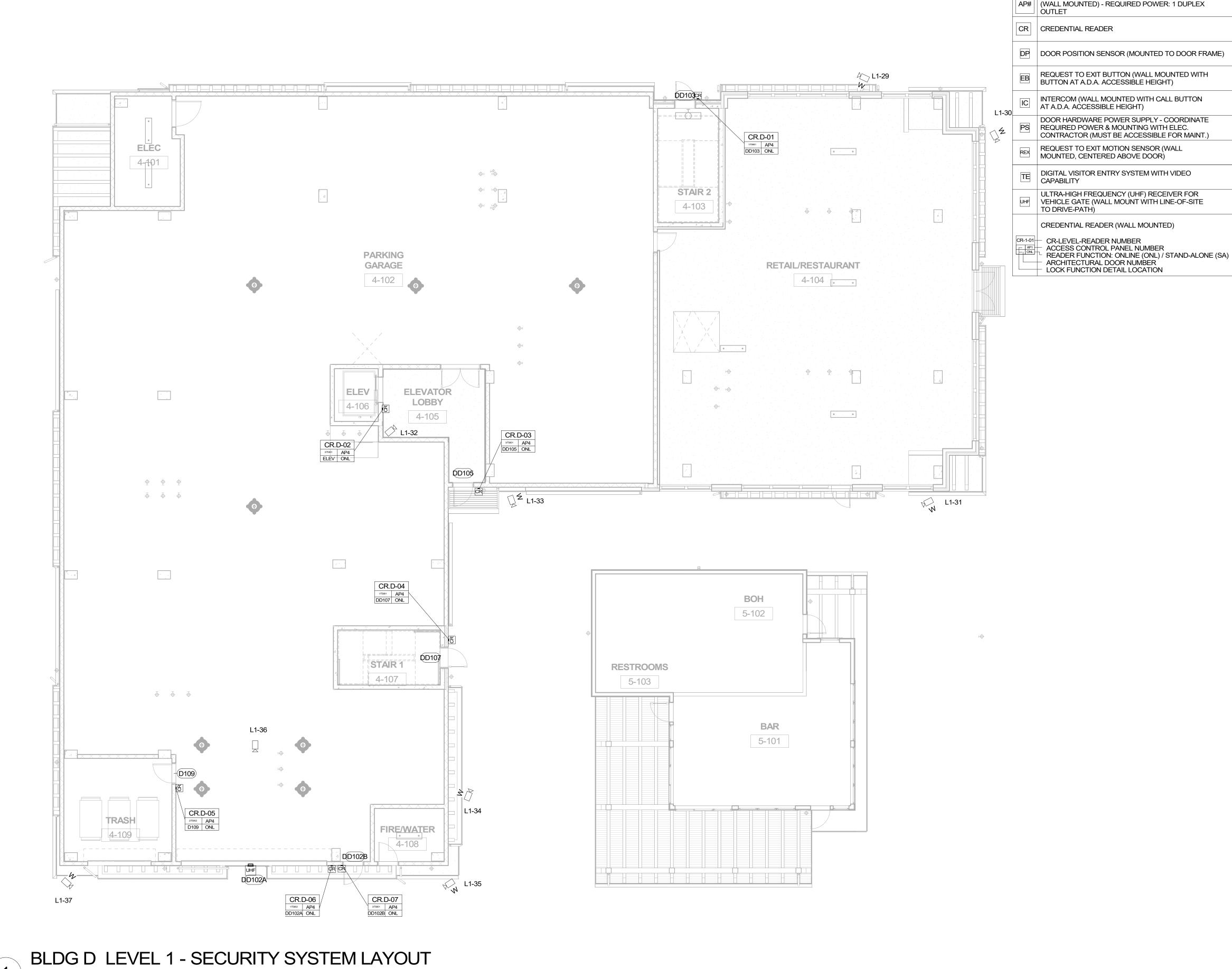
ES-3241

SHEET TITLE:

SECURITY SYSTEM MOUNTING HEIGHTS

SHEET NUMBER:

D-TS001



1/8" = 1'-0"

CCTV SYSTEM DEVICE DESCRIPTION: CCTV SYSTEM NETWORK VIDEO RECORDER (NVR) (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET CEILING MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER) CEILING MOUNTED PAN, TILT, ZOOM (PTZ) POE 2-1 I.P. DOME CAMERA (LEVEL - CAMERA NUMBER) WALL MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER) WALL MOUNTED PAN, TILT, ZOOM (PTZ) POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER) CCTV SYSTEM J-BOX INTRUSION DETECTION SYSTEM DEVICE DESCRIPTION: INTRUSION DETECTION SYSTEM CONTROLLER (WALL MOUNTED) INTRUSION DETECTION KEYPAD (WALL MOUNTED WITH BUTTONS AT A.D.A. ACCESSIBLE HEIGHT) DOOR CONTACT (MOUNTED TO DOOR FRAME) MOTION SENSOR (WALL MOUNTED) VIBRATION SENSOR (WALL MOUNTED) INTRUSION DETECTION SIREN (AT KEYPAD OR WALL MOUNTED)

ACCESS CONTROL PLAN SYMBOL LEGEND:

SYMBOL | ACCESS CONTROL SYSTEM DEVICE DESCRIPTION:

ACCESS CONTROL PANEL & POWER SUPPLY

#### SECURITY SYSTEM PLAN NOTES

- REFER TO TS-000 FOR STANDARD SECURITY DEVICE

  MOUNTING LIFECUTE
- MOUNTING HEIGHTS

  2. REFER TO SECURITY DETAILS SHEETS SYSTEM
- DIAGRAMS
- 3. CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- 4. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS
- 5. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AT SPECIFIED
- 6. ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING
- CONTRACTOR

  7. FAIL SAFE LOCATIONS REQUIRE POWER TO REMAIN LOCKED DOOR SHALL UNLOCK WHILE REMAINING LATCHED WHEN POWER IS REMOVED BY ACCESS
- CONTROL PANEL VIA A POWER OUTAGE OR FIRE
  ALARM EVENT

  B. DOOR NUMBERS ON THE ARCHITECTURAL PLANS
  SUPERSEDE ANY DOOR NUMBERS ON THESE PLANS.
- RE: ARCH FOR ANY DISCREPANCIES

  9. ALL COMMON AREA ACCESS CONTROL SYSTEMS MUST
  BE COMPATIBLE WITH ANY OTHER ACCESS CONTROL
  SOLUTION, INCLUDING UNIT DOORS, TELE-ENTRY
  PRODUCT AND SITE GATES.
- 10. ACCESS CONTROL SYSTEM IS TO BE INTEGRATED WITH
- THE VIDEO MANAGEMENT SYSTEM, TYP.

  11. WINDOW-TAG (TOLL-TAG) STYLE CREDENTIAL TO BE
- UTILIZED AT VEHICLE GATES WITH UHF RECEIVERS

  12. ARCHITECT TO COORDINATE ELEVATOR TRAVEL CABLE
  REQUIREMENTS WITH ELEVATOR CONTRACTOR TO
  SUPPORT CALL-BUTTON, IN-CAB CREDENTIAL READER,
  - AND IN-CAB CAMERA PER DESIGN
    ONE CREDENTIAL (FOB) TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS
- 14. PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS
- 15. TELE ENTRY COMPONENT(S) TO BE COMPATIBLE WITH APP-BASED VIDEO PLATFORM UNLESS OTHERWISE SPECIFIED.
- 16. GARAGE REMOTE STYLE CREDENTIAL TO BE UTILIZED AT VEHICLE GATES WITH RF RECEIVERS
- 7. RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE ARE TYPICAL ARRANGEMENTS AND ARE NOT SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK COMPONENTS TO MEET SYSTEM FUNCTIONALITY REQUIREMENTS.

0 4 8 12 16 20 24 1/8" = 1'-0" SCALE FEET SYSTEM DESIGNER:

AD/AF

SYSTEM REVIEWER:

LR

ECS JOB NUMBER:

ES-3247

SHEET INFORMATION:

SHEET TITLE:

SHEET NUMBER:

ORIGINAL ISSUANCE:

NOT FOR CONSTRUCTION

REVISIONS

REVISION DATE DELTA

50% CD SET

TECHNOLOGY CONSULTANT

PROJECT INFORMATION

OUNO

**EVERBASE** 

SOLUTIONS

DENVER | CO

O: 855-255-5521

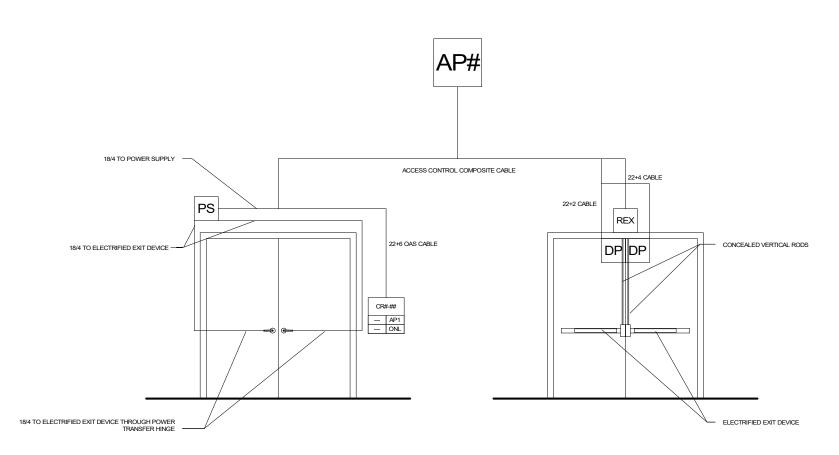
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BLDG D LEVEL 1 -SECURITY SYSTEM LAYOUT

D-TS201

KEYNOTE LEGEND

Key Value Keynote Text



<u>NON-SECURED SIDE OF DOOR - RESTRICTEISECURED SIDE OF DOOR - FREE-EGRESS</u> <u>EGRESS FROM DOOR WITH EXIT DEVICE</u>

PRESENT CREDENTIAL AT READER ACCESS CONTROL SERVER AUTHENTICATES CREDENTIAL ACCESS CONTROL PANEL TRIGGERS POWER TO ELECTRIFIED EXIT DEVICE EGRESS FROM DOOR WITH REQUEST MOTION SENSOR ELECTRIFIED EXIT DEVICE IS ENERGIZED, LEVER SET ENGAGES VERTICAL

DOOR IS UNLOCKED/UNSECURED, ALLOWING ENTRY ELECTRIFIED EXIT DEVICE IS DEENERGIZED WITH 24V DC, LEVER SET DISENGAGES VERTICAL RODS DOOR IS LOCKED/SECURED

AN ALERT IS TO BE GENERATED TO FACILITIES MANAGEMENT IF THE DOOR • REMAINS OPEN PAST A PROGRAMMABLE AMOUNT OF TIME

PRESS PUSH-PAD ON EXIT DEVICE EXIT DEVICE RETRACTS VERTICAL RODS, ALLOWING DOOR TO OPEN ALL DOORS TO HAVE MECHANICAL-FREE EGRESS AT ALL TIMES ACCESS CONTROL PANEL TRIGGERS POWER TO ELECTRIFIED EXIT DEVICE ELECTRIFIED EXIT DEVICE IS ENERGIZED, LEVER SET ENGAGES VERTICAL RODS DOOR IS UNLOCKED/UNSECURED, ALLOWING ENTRY ELECTRIFIED EXIT DEVICE IS DEENERGIZED WITH 24V DC, LEVER SET DISENGAGES VERTICAL RODS

**SECURED SIDE OF ELEVATOR - FREE-EGRESS** 

DEPARTMENT KEY OVERRIDE IS USED

UPON OUTAGE OR FIRE ALARM EVENT, ELEVATOR

CONTROLLER SENDS ELEVATOR CAB TO LEVEL 1 &

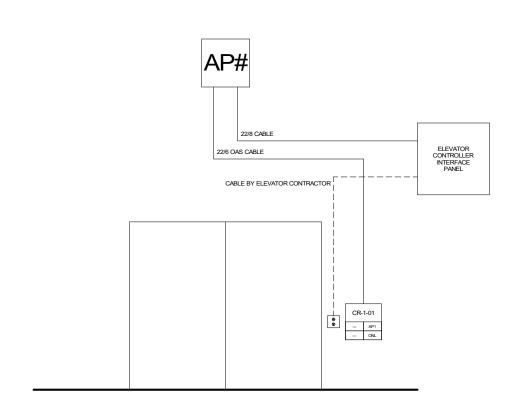
ELEVATOR CAB TO REMAIN AT LEVEL 2 UNLESS FIRE

EGRESS FROM ELEVATOR:

OPENS ELEVATOR DOOR

DOOR IS LOCKED/SECURED ALL DOORS TO HAVE MECHANICAL-FREE EGRESS AT ALL TIMES





#### **SECURED SIDE OF ELEVATOR DOOR - RESTRICTED ENTRY**

ENTRY AT ELEVATOR WITH CALL BUTTON READER: PRESENT CREDENTIAL AT READER ADJACENT TO ELEVATOR CALL BUTTON

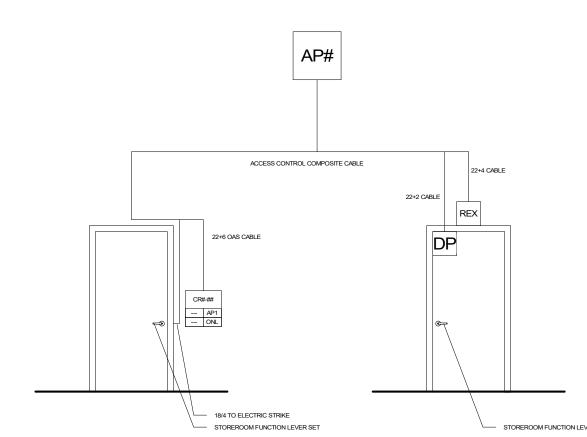
ACCESS CONTROL SERVER AUTHENTICATES CREDENTIAL ACCESS CONTROL PANEL TRIGGERS POWER TO ELEVATOR CONTROLLER ELEVATOR CALL BUTTON IS ACTIVATED BY ELEVATOR CONTROLLER

ALLOWING CAB TO BE CALLED

ELEVATOR WITH CALL BUTTON IS DEACTIVATED

ELEVATOR DOOR IS LOCKED/SECURED

# **ELEVATOR CALL BUTTON READER**



SECURED SIDE OF DOOR - FREE-EGRESS

ALL DOORS TO HAVE MECHANICAL-FREE EGRESS AT ALL TIMES

ACCESS CONTROL PLAN SYMBOL LEGEND:

CR | CREDENTIAL READER

CAPABILITY

TO DRIVE-PATH)

OUTLET

SYMBOL | ACCESS CONTROL SYSTEM DEVICE DESCRIPTION

ACCESS CONTROL PANEL & POWER SUPPLY AP# | (WALL MOUNTED) - REQUIRED POWER: 1 DUPLEX

DP DOOR POSITION SENSOR (MOUNTED TO DOOR FRAME)

REQUEST TO EXIT BUTTON (WALL MOUNTED WITH

INTERCOM (WALL MOUNTED WITH CALL BUTTON

DOOR HARDWARE POWER SUPPLY - COORDINATE

CONTRACTOR (MUST BE ACCESSIBLE FOR MAINT.)

BUTTON AT A.D.A. ACCESSIBLE HEIGHT)

PS REQUIRED POWER & MOUNTING WITH ELEC.

MOUNTED, CENTERED ABOVE DOOR)

REQUEST TO EXIT MOTION SENSOR (WALL

DIGITAL VISITOR ENTRY SYSTEM WITH VIDEO

ULTRA-HIGH FREQUENCY (UHF) RECEIVER FOR

VEHICLE GATE (WALL MOUNT WITH LINE-OF-SITE

READER FUNCTION: ONLINE (ONL) / STAND-ALONE (SA)

CREDENTIAL READER (WALL MOUNTED)

ACCESS CONTROL PANEL NUMBER

ARCHITECTURAL DOOR NUMBER

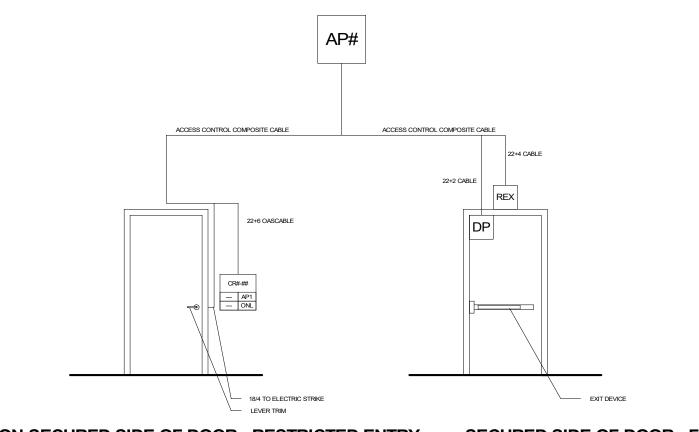
LOCK FUNCTION DETAIL LOCATION

CR-LEVEL-READER NUMBER

AT A.D.A. ACCESSIBLE HEIGHT)

<u>NON-SECURED SIDE OF DOOR - RESTRICTED ENTRY</u> EGRESS FROM DOOR WITH STOREROOM FUNCTION LEVER SET: <u>ENTRY AT DOOR WITH FAIL SECURE ELECTRIC STRIKE:</u> PRESENT CREDENTIAL AT READER ROTATE STOREROOM FUNCTION LEVER SET LEVER/HANDLE DOWNWARD ACCESS CONTROL SERVER AUTHENTICATES CREDENTIAL DOOR LATCH RETRACTS ALLOWING DOOR TO OPEN ACCESS CONTROL PANEL TRIGGERS POWER TO ELECTRIC STRIKE ALL DOORS TO HAVE MECHANICAL-FREE EGRESS AT ALL TIMES EGRESS FROM DOOR WITH REQUEST TO EXIT MOTION SENSOR: ELECTRIC STRIKE IS ENERGIZED WITH 24V DC DOOR IS UNLOCKED/UNSECURED ALLOWING ENTRY APPROACH DOOR TO TRIGGER REQUEST TO MOTION SENSOR ELECTRIC STRIKE IS DEENERGIZED ACCESS CONTROL PANEL TRIGGERS POWER TO ELECTRIC STRIKE DOOR IS LOCKED/SECURED ELECTRIC STRIKE IS ENERGIZED WITH 24V DC AN ALERT IS TO BE GENERATED TO FACILITIES MANAGEMENT IF THE • DOOR IS UNLOCKED/UNSECURED, ALLOWING ENTRY DOOR REMAINS OPEN PAST PROGRAMMABLE AMOUNT OF TIME ELECTRIC STRIKE IS DEENERGIZED DOOR IS LOCKED/SECURED

ELECTRIC STRIKE W/ STORE ROOM FUNCTION NTS



#### NON-SECURED SIDE OF DOOR - RESTRICTED ENTRY ENTRY AT DOOR WITH FAIL SECURE ELECTRIC STRIKE

PRESENT CREDENTIAL AT READER ACCESS CONTROL SERVER AUTHENTICATES CREDENTIAL ACCESS CONTROL PANEL TRIGGERS POWER TO ELECTRIC STRIKE ELECTRIC STRIKE IS ENERGIZED WITH 24V DC DOOR IS UNLOCKED/UNSECURED, ALLOWING ENTRY ELECTRIC STRIKE IS DEENERGIZED DOOR IS LOCKED/SECURED AN ALERT IS TO BE GENERATED TO FACILITIES MANAGEMENT IF THE

DOOR REMAINS OPEN PAST A PROGRAMMABLE AMOUNT OF TIME

#### **SECURED SIDE OF DOOR - FREE-EGRESS**

EGRESS FROM DOOR WITH EXIT DEVICE PRESS PUSH-PAD ON EXIT DEVICE DOOR LATCH RETRACTS ALLOWING DOOR TO OPEN ALL DOORS TO HAVE MECHANICAL-FREE EGRESS AT ALL TIMES EGRESS FROM DOOR WITH REQUEST TO EXIT MOTION SENSOR: APPROACH DOOR TO TRIGGER REQUEST TO EXIT MOTION SENSOR ACCESS CONTROL PANEL TRIGGERS POWER TO ELECTRIC STRIKE ELECTRIC STRIKE IS ENERGIZED WITH 24V DC DOOR IS UNLOCKED/UNSECURED, ALLOWING ENTRY ELECTRIC STRIKE IS DEENERGIZED DOOR IS LOCKED/SECURED ALL DOORS HAVE MECHANICAL-FREE EGRESS AT ALL TIMES

ELECTRIC STRIKE W/ EXIT DEVICE

### **SECURITY SYSTEM PLAN NOTES**

REFER TO TS-000 FOR STANDARD SECURITY DEVICE

REFER TO SECURITY DETAILS SHEETS SYSTEM **DIAGRAMS** CABLE & CONDUIT ROUTING SUBJECT TO CHANGE

BASED ON FIELD CONDITIONS ELECTRICAL CONTRACTOR TO PROVIDE POWER AS

ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AT **SPECIFIED** 

ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR FAIL SAFE LOCATIONS REQUIRE POWER TO REMAIN LOCKED - DOOR SHALL UNLOCK WHILE REMAINING

LATCHED WHEN POWER IS REMOVED BY ACCESS CONTROL PANEL VIA A POWER OUTAGE OR FIRE ALARM EVENT DOOR NUMBERS ON THE ARCHITECTURAL PLANS SUPERSEDE ANY DOOR NUMBERS ON THESE PLANS.

RE: ARCH FOR ANY DISCREPANCIES ALL COMMON AREA ACCESS CONTROL SYSTEMS MUST BE COMPATIBLE WITH ANY OTHER ACCESS CONTROL SOLUTION, INCLUDING UNIT DOORS, TELE-ENTRY PRODUCT AND SITE GATES.

ACCESS CONTROL SYSTEM IS TO BE INTEGRATED WITH THE VIDEO MANAGEMENT SYSTEM, TYP. WINDOW-TAG (TOLL-TAG) STYLE CREDENTIAL TO BE

UTILIZED AT VEHICLE GATES WITH UHF RECEIVERS ARCHITECT TO COORDINATE ELEVATOR TRAVEL CABLE REQUIREMENTS WITH ELEVATOR CONTRACTOR TO SUPPORT CALL-BUTTON, IN-CAB CREDENTIAL READER,

AND IN-CAB CAMERA PER DESIGN ONE CREDENTIAL (FOB) TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA

TELE ENTRY COMPONENT(S) TO BE COMPATIBLE WITH APP-BASED VIDEO PLATFORM UNLESS OTHERWISE

GARAGE REMOTE STYLE CREDENTIAL TO BE UTILIZED

AT VEHICLE GATES WITH RF RECEIVERS RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE ARE TYPICAL ARRANGEMENTS AND ARE NOT SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK COMPONENTS TO MEET SYSTEM FUNCTIONALITY REQUIREMENTS.

# **CABLE LEGEND**

#### **DESCRIPTION** LINE TYPE

1-CAT6 CABLE FOR DATA/NETWORK DEVICE INTERCONNECT & NETWORK DEVICE

MM FIBER 1-MULTIMODE FIBER FOR NETWORK DEVICE **INTERCONNECT - 4"** DARK FIBERS TO BE INCLUDED FOR FUTURE

AC COMP 1-ACCESS CONTROL COMPOSITE CABLE (18/4, AC COMP 22/4, 22/2, 22/3PR) SHIELDED 18/4 1-18/4 CABLE TO

**ELECTRIFIED DOOR** HARDWARE - PART OF ACCESS CONTROL CABLE (18/4, 22/4, 22/2, 22/3PR) SHIELDED

22/2 22/2 1-22/2 CABLE TO DOOR **POSITION SENSOR - PART** OF ACCESS CONTROL COMPOSITE CABLE (18/4, 22/4, 22/2, 22/3PR) SHIELDED 22/4 22/4 1-22/4 CABLE TO EXIT SENSOR - PART OF

SHIELDED 22/8 22/8 1-22/8 SHIELDED CABLE TO UHF RECEIVER/ELEVATOR

CONTROLLER INTERFACE PANEL 22/60AS--22/60AS 1-22/6OAS CABLE TO CREDENTIAL READER PART OF ACCESS

CONTROL COMPOSITE CABLE (18/4, 22/4, 22/2, 22/3PR) SHIELDED 16AWG—16AWG

1-16 AWG STRANDED CABLE CUT 3/16" INTO PAVEMENT TO EXIT LOOP DETECTOR MODULE - TO BE PROVIDED BY GATE CONTRACTOR

ACCESS CONTROL COMPOSITE CABLE (18/4, 22/4, 22/2, 22/3PR)

INTERCONNECT

TECHNOLOGY CONSULTANT **EVERBASE** SOLUTIONS DENVER | CO

PROJECT ARCHITECT

O: 855-255-5521 WWW.EVERBASESOLUTIONS.COM PROJECT INFORMATION

ORIGINAL ISSUANCE: NOT FOR CONSTRUCTION REVISIONS REVISION DATE DELTA

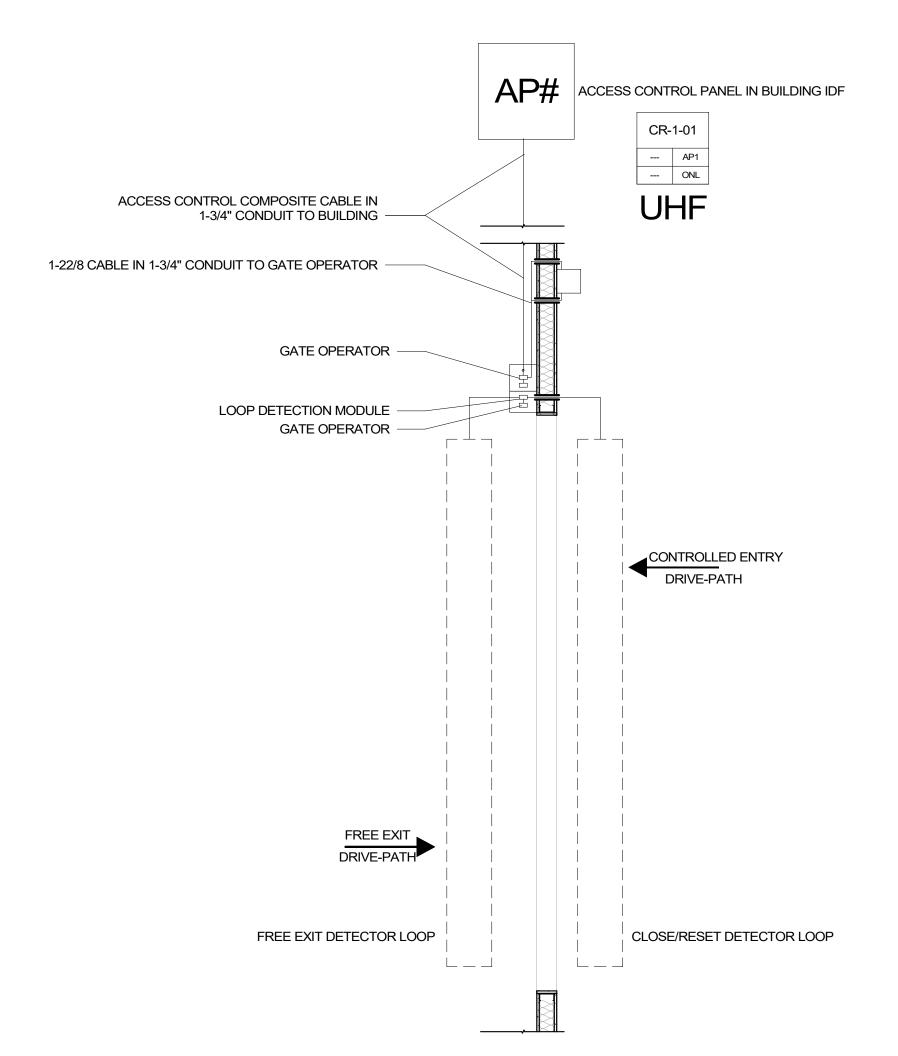
SYSTEM DESIGNER: SYSTEM REVIEWER:

ECS JOB NUMBER: ES-3247 SHEET INFORMATION:

ACCESS CONTROL SYSTEM DOOR DETAILS

SHEET NUMBER:

SHEET TITLE:



**SECURED SIDE OF GATE - FREE-EGRESS** 

GATE IS SECURED

EGRESS FROM ROLL-UP VEHICLE GATE WITH EXIT DETECTOR LOOP:

GATE OPERATE OPENS ROLL-UP VEHICLE GATE

GATE OPERATE CLOSED ROLL-UP VEHICLE GATE

APPROACH ROLL-UP VEHICLE GATE WITH EXIT DETECTOR LOOP IN VEHICLE

EXIT DETECTOR LOOP SENSES MAGNETIC PRESENCE OF VEHICLE

VEHICLE DRIVES CLEAR OF CLOSE/RESET DETECTOR LOOP

#### NON-SECURED SIDE OF GATE - RESTRICTED ENTRY

ENTRY AT FAIL SECURE ROLL-UP VEHICLE GATE WITH UHF RECEIVER: APPROACH GATE WITH UFH CREDENTIAL IN VEHICLE ACCESS CONTROL SERVER AUTHENTICATES CREDENTIAL ACCESS CONTROL PANEL TRIGGERS POWER TO GATE OPERATE GATE OPERATE OPENS ROLL-UP VEHICLE GATE VEHICLE DRIVES CLEAR OF CLOSE/RESET DETECTOR LOOP GATE OPERATE CLOSED ROLL-UP VEHICLE GATE GATE IS SECURED

ROLL UP VEHICLE GATE - SINGLE

ACCESS CONTROL PLAN SYMBOL LEGEND: SYMBOL | ACCESS CONTROL SYSTEM DEVICE DESCRIPTION: ACCESS CONTROL PANEL & POWER SUPPLY | AP# | (WALL MOUNTED) - REQUIRED POWER: 1 DUPLEX CR | CREDENTIAL READER DP DOOR POSITION SENSOR (MOUNTED TO DOOR FRAME) EB REQUEST TO EXIT BUTTON (WALL MOUNTED WITH BUTTON AT A.D.A. ACCESSIBLE HEIGHT) INTERCOM (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT) DOOR HARDWARE POWER SUPPLY - COORDINATE PS REQUIRED POWER & MOUNTING WITH ELEC. CONTRACTOR (MUST BE ACCESSIBLE FOR MAINT.) REQUEST TO EXIT MOTION SENSOR (WALL MOUNTED, CENTERED ABOVE DOOR) DIGITAL VISITOR ENTRY SYSTEM WITH VIDEO CAPABILITY ULTRA-HIGH FREQUENCY (UHF) RECEIVER FOR VEHICLE GATE (WALL MOUNT WITH LINE-OF-SITE TO DRIVE-PATH) CREDENTIAL READER (WALL MOUNTED) CR-1-01 CR-LEVEL-READER NUMBER - ACCESS CONTROL PANEL NUMBER READER FUNCTION: ONLINE (ONL) / STAND-ALONE (SA) - ARCHITECTURAL DOOR NUMBER LOCK FUNCTION DETAIL LOCATION

#### **SECURITY SYSTEM PLAN NOTES** REFER TO TS-000 FOR STANDARD SECURITY DEVICE MOUNTING HEIGHTS REFER TO SECURITY DETAILS SHEETS SYSTEM DIAGRAMS

CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS

ELECTRICAL CONTRACTOR TO PROVIDE POWER AS ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AT SPECIFIED

ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR FAIL SAFE LOCATIONS REQUIRE POWER TO REMAIN

LOCKED - DOOR SHALL UNLOCK WHILE REMAINING LATCHED WHEN POWER IS REMOVED BY ACCESS CONTROL PANEL VIA A POWER OUTAGE OR FIRE ALARM EVENT DOOR NUMBERS ON THE ARCHITECTURAL PLANS

SUPERSEDE ANY DOOR NUMBERS ON THESE PLANS. RE: ARCH FOR ANY DISCREPANCIES ALL COMMON AREA ACCESS CONTROL SYSTEMS MUST BE COMPATIBLE WITH ANY OTHER ACCESS CONTROL SOLUTION, INCLUDING UNIT DOORS, TELE-ENTRY

PRODUCT AND SITE GATES. ACCESS CONTROL SYSTEM IS TO BE INTEGRATED WITH THE VIDEO MANAGEMENT SYSTEM, TYP. WINDOW-TAG (TOLL-TAG) STYLE CREDENTIAL TO BE

UTILIZED AT VEHICLE GATES WITH UHF RECEIVERS ARCHITECT TO COORDINATE ELEVATOR TRAVEL CABLE REQUIREMENTS WITH ELEVATOR CONTRACTOR TO SUPPORT CALL-BUTTON, IN-CAB CREDENTIAL READER, AND IN-CAB CAMERA PER DESIGN

ONE CREDENTIAL (FOB) TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS

PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA

TELE ENTRY COMPONENT(S) TO BE COMPATIBLE WITH APP-BASED VIDEO PLATFORM UNLESS OTHERWISE SPECIFIED.

GARAGE REMOTE STYLE CREDENTIAL TO BE UTILIZED AT VEHICLE GATES WITH RF RECEIVERS

RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE ARE TYPICAL ARRANGEMENTS AND ARE NOT SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK COMPONENTS TO MEET SYSTEM FUNCTIONALITY REQUIREMENTS.

## **CABLE LEGEND**

LINE TYPE	Ξ [	DESCRIPTION					
CAT6—	—CAT6	1-CAT6 CABLE FOR DATA/NETWORK DEVICE INTERCONNECT & NETWORK DEVICE INTERCONNECT					
MM FIBER ——	— MM FIBER	1-MULTIMODE FIBER FOR NETWORK DEVICE INTERCONNECT - 4" DARK FIBERS TO BE INCLUDED FOR FUTURE NETWORK EXPANSION					
AC COMP —	— AC COMP	1-ACCESS CONTROL COMPOSITE CABLE (18/4, 22/4, 22/2, 22/3PR) SHIELDED					
18/4 ——	— 18/4	1-18/4 CABLE TO ELECTRIFIED DOOR HARDWARE - PART OF ACCESS CONTROL CABLE (18/4, 22/4, 22/2, 22/3PR) SHIELDED					
22/2	— 22/2	1-22/2 CABLE TO DOOR POSITION SENSOR - PART OF ACCESS CONTROL COMPOSITE CABLE (18/4, 22/4, 22/2, 22/3PR)					
22/4	22/4	SHIELDED 1-22/4 CABLE TO EXIT SENSOR - PART OF ACCESS CONTROL COMPOSITE CABLE (18/4, 22/4, 22/2, 22/3PR) SHIELDED					
22/8 ——	—— 22/8	1-22/8 SHIELDED CABLE TO UHF RECEIVER/ELEVATOR CONTROLLER INTERFACE PANEL					
22/6OAS	-22/6OAS	1-22/6OAS CABLE TO CREDENTIAL READER - PART OF ACCESS CONTROL COMPOSITE CABLE (18/4, 22/4, 22/2, 22/3PR) SHIELDED					
16AWG	-16AWG	1-16 AWG STRANDED CABLE CUT 3/16" INTO PAVEMENT TO EXIT LOOP DETECTOR MODULE - TO BE					

PROVIDED BY GATE

CONTRACTOR

TECHNOLOGY CONSULTANT **EVERBASE** SOLUTIONS

PROJECT ARCHITECT

DENVER | CO O: 855-255-5521

WWW.EVERBASESOLUTIONS.COM PROJECT INFORMATION

ORIGINAL ISSUANCE: 50% CD SET NOT FOR CONSTRUCTION REVISIONS REVISION DATE DELTA

SYSTEM DESIGNER: SYSTEM REVIEWER:

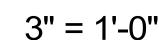
ECS JOB NUMBER: ES-3247 SHEET INFORMATION:

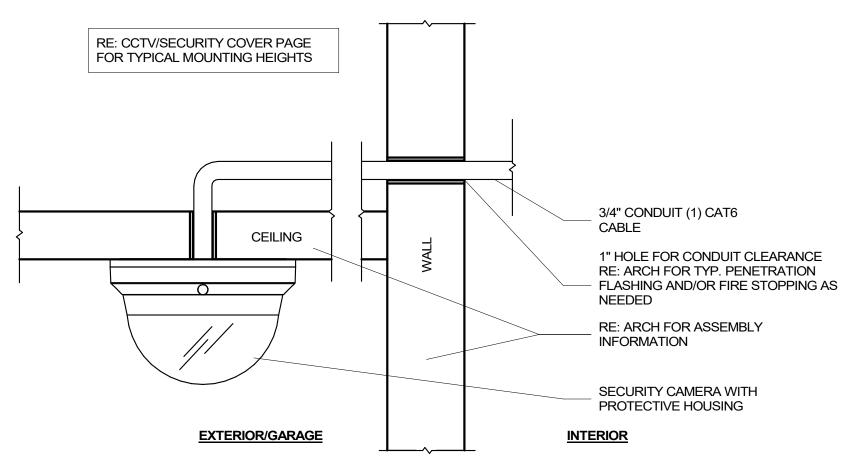
ACCESS CONTROL SYSTEM GATE DETAILS

SHEET NUMBER:

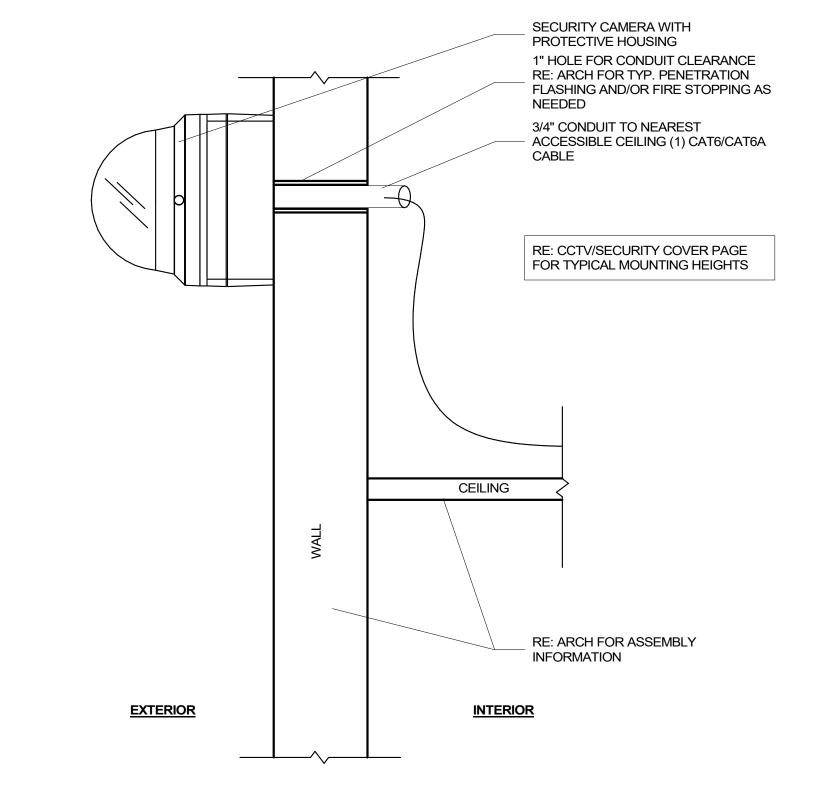
SHEET TITLE:

BULLET CAMERA - EXTERIOR WALL MOUNT

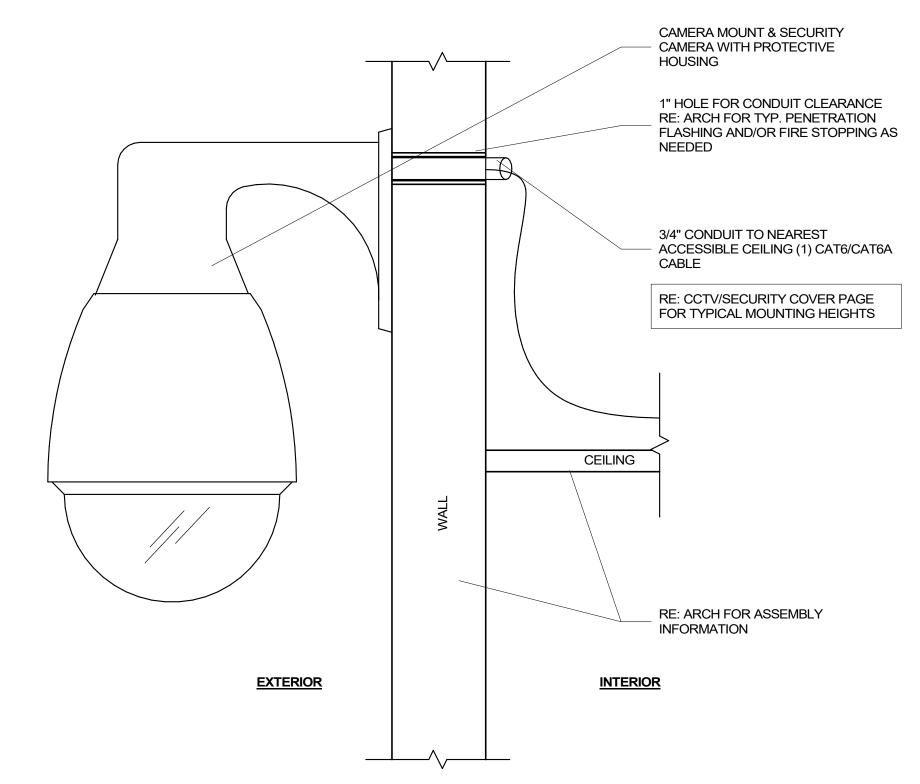




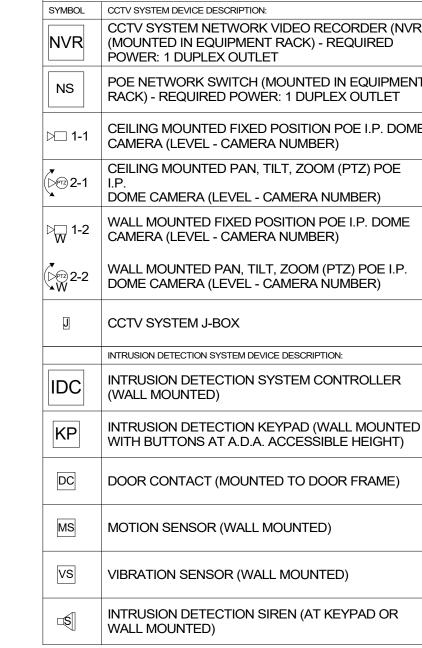
DOME CAMERA - EXTERIOR CEILING MOUNT 3" = 1'-0"



DOME CAMERA - EXTERIOR WALL MOUNT



DOME CAMERA PENDANT - EXTERIOR WALL MOUNT



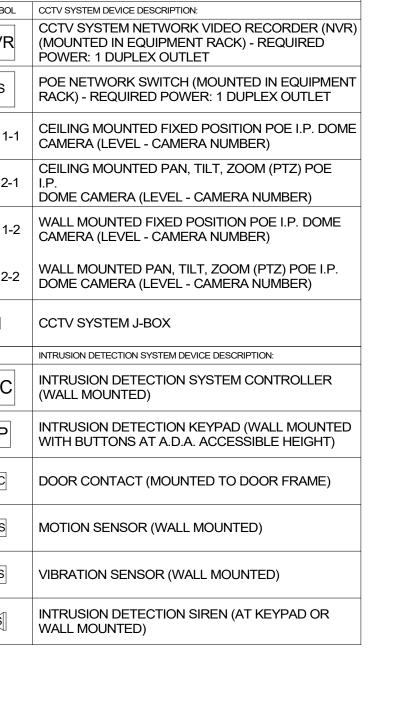
SECURITY PLAN SYMBOL LEGEND:

#### **SECURITY SYSTEM PLAN NOTES**

- REFER TO TS-000 FOR STANDARD SECURITY DEVICE MOUNTING HEIGHTS
- REFER TO SECURITY DETAILS SHEETS SYSTEM
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AT
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING
- CONTRACTOR FAIL SAFE LOCATIONS REQUIRE POWER TO REMAIN
- LOCKED DOOR SHALL UNLOCK WHILE REMAINING LATCHED WHEN POWER IS REMOVED BY ACCESS CONTROL PANEL VIA A POWER OUTAGE OR FIRE ALARM EVENT
- DOOR NUMBERS ON THE ARCHITECTURAL PLANS SUPERSEDE ANY DOOR NUMBERS ON THESE PLANS.
- RE: ARCH FOR ANY DISCREPANCIES ALL COMMON AREA ACCESS CONTROL SYSTEMS MUST BE COMPATIBLE WITH ANY OTHER ACCESS CONTROL SOLUTION, INCLUDING UNIT DOORS, TELE-ENTRY PRODUCT AND SITE GATES.
- ACCESS CONTROL SYSTEM IS TO BE INTEGRATED WITH THE VIDEO MANAGEMENT SYSTEM, TYP.
- WINDOW-TAG (TOLL-TAG) STYLE CREDENTIAL TO BE UTILIZED AT VEHICLE GATES WITH UHF RECEIVERS
- ARCHITECT TO COORDINATE ELEVATOR TRAVEL CABLE REQUIREMENTS WITH ELEVATOR CONTRACTOR TO SUPPORT CALL-BUTTON, IN-CAB CREDENTIAL READER, AND IN-CAB CAMERA PER DESIGN
- ONE CREDENTIAL (FOB) TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED

FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA

- TELE ENTRY COMPONENT(S) TO BE COMPATIBLE WITH APP-BASED VIDEO PLATFORM UNLESS OTHERWISE
- GARAGE REMOTE STYLE CREDENTIAL TO BE UTILIZED AT VEHICLE GATES WITH RF RECEIVERS
- RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE ARE TYPICAL ARRANGEMENTS AND ARE NOT SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK COMPONENTS TO MEET SYSTEM FUNCTIONALITY REQUIREMENTS.



ORIGINAL ISSUANCE: 50% CD SET NOT FOR CONSTRUCTION REVISIONS REVISION DATE DELTA

TECHNOLOGY CONSULTANT

PROJECT INFORMATION

**EVERBASE** 

SOLUTIONS

DENVER | CO

O: 855-255-5521

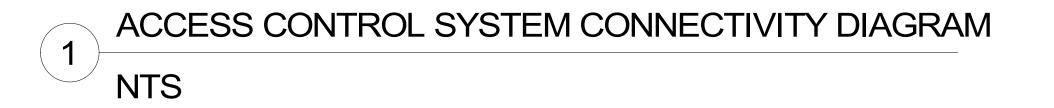
WWW.EVERBASESOLUTIONS.COM

SYSTEM DESIGNER: SYSTEM REVIEWER: ECS JOB NUMBER: ES-3247 SHEET INFORMATION: SHEET TITLE:

CCTV SYSTEM DETAILS

SHEET NUMBER:

TECHNOLOGY CONTRACTOR PROVIDES: CREDENTIALS, CREDENTIAL READER, DOOR POSITION SENSOR, REQUEST TO EXIT SENSOR, ACCESS CONTROL PANEL, NETWORK SWITCH DOOR HARDWARE CONTRACTOR PROVIDES: ELECTRONIC LOCK, EXIT DEVICE, LEVER TRIM/LEVER SET, POWER SUPPLY (IF APPLICABLE PER CONDITION) NS 1-CAT6 CABLE A.C. COMPOSITE - 2 CONDUCTOR STRANDED CABLE TO FIRE ALARM RELAY REX 1-22/4 CABLE CR-1-01 1-22/6OAS CABLE --- AP1 --- ONL ELECTRIC LOCKING HARDWARE 1-18/4 CABLE 1-22/2 CABLE



0) (1 4 1 2 0 1	ACCESS CONTROL OVOTEN DEL MOE DECORRIDADO
SYMBOL	ACCESS CONTROL SYSTEM DEVICE DESCRIPTION:
	ACCESS CONTROL PANEL & POWER SUPPLY
AP#	(WALL MOUNTED) - REQUIRED POWER: 1 DUPLEX
	OUTLET
CR	CREDENTIAL READER
CIX	CREDENTIAL READER
DP	DOOR POSITION SENSOR (MOUNTED TO DOOR FRAME
	REQUEST TO EXIT BUTTON (WALL MOUNTED WITH
EB	BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
IC	INTERCOM (WALL MOUNTED WITH CALL BUTTON
IC	AT A.D.A. ACCESSIBLE HEIGHT)
	DOOR HARDWARE POWER SUPPLY - COORDINATE
PS	REQUIRED POWER & MOUNTING WITH ELEC.
	CONTRACTOR (MUST BE ACCESSIBLE FOR MAINT.)
	REQUEST TO EXIT MOTION SENSOR (WALL
REX	MOUNTED, CENTERED ABOVE DOOR)
	,
TE	DIGITAL VISITOR ENTRY SYSTEM WITH VIDEO
	CAPABILITY
	ULTRA-HIGH FREQUENCY (UHF) RECEIVER FOR
UHF	VEHICLE GATE (WALL MOUNT WITH LINE-OF-SITE
	TO DRIVE-PATH)
	CREDENTIAL READER (WALL MOUNTED)
	SILESEITINE INCIDENTIFICATION (VVIIIE INCOMILES)
CR-1-01	CR-LEVEL-READER NUMBER
AP1 -	ACCESS CONTROL PANEL NUMBER
J. 3.4E	READER FUNCTION: ONLINE (ONL) / STAND-ALONE (
	ARCHITECTURAL DOOR NUMBER
	LOCK FUNCTION DETAIL LOCATION

#### SECURITY SYSTEM PLAN NOTES

- MOUNTING HEIGHTS REFER TO SECURITY DETAILS SHEETS SYSTEM
- DIAGRAMS CABLE & CONDUIT ROUTING SUBJECT TO CHANGE
- BASED ON FIELD CONDITIONS ELECTRICAL CONTRACTOR TO PROVIDE POWER AS
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AT
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING
- CONTRACTOR FAIL SAFE LOCATIONS REQUIRE POWER TO REMAIN LOCKED - DOOR SHALL UNLOCK WHILE REMAINING LATCHED WHEN POWER IS REMOVED BY ACCESS CONTROL PANEL VIA A POWER OUTAGE OR FIRE ALARM EVENT
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- PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA
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- GARAGE REMOTE STYLE CREDENTIAL TO BE UTILIZED AT VEHICLE GATES WITH RF RECEIVERS
- RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE ARE TYPICAL ARRANGEMENTS AND ARE NOT SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK COMPONENTS TO MEET SYSTEM FUNCTIONALITY REQUIREMENTS.

## **CABLE LEGEND**

LINE TYPE	1	DESCRIPTION
CAT6——	-CAT6	1-CAT6 CABLE FOR DATA/NETWORK DEVICE INTERCONNECT & NETWORK DEVICE INTERCONNECT
MM FIBER ——	– MM FIBER	1-MULTIMODE FIBER FOR NETWORK DEVICE INTERCONNECT - 4" DARK FIBERS TO BE INCLUDED FOR FUTURE NETWORK EXPANSION
AC COMP	- AC COMP	1-ACCESS CONTROL COMPOSITE CABLE (18/4, 22/4, 22/2, 22/3PR) SHIELDED
18/4	- 18/4	1-18/4 CABLE TO ELECTRIFIED DOOR HARDWARE - PART OF ACCESS CONTROL CABLE (18/4, 22/4, 22/2, 22/3PR) SHIELDED
22/2 ———	- <b>22/2</b>	1-22/2 CABLE TO DOOR POSITION SENSOR - PART OF ACCESS CONTROL COMPOSITE CABLE (18/4, 22/4, 22/2, 22/3PR) SHIELDED
22/4	– <b>22/4</b>	1-22/4 CABLE TO EXIT SENSOR - PART OF ACCESS CONTROL COMPOSITE CABLE (18/4, 22/4, 22/2, 22/3PR) SHIELDED
22/8 ———	– <b>22/8</b>	1-22/8 SHIELDED CABLE TO UHF RECEIVER/ELEVATOR CONTROLLER INTERFACE PANEL
22/6OAS2	22/6OAS	1-22/60AS CABLE TO CREDENTIAL READER - PART OF ACCESS CONTROL COMPOSITE CABLE (18/4, 22/4, 22/2, 22/3PR) SHIELDED
16AWG—1	6AWG	1-16 AWG STRANDED CABLE CUT 3/16" INTO PAVEMENT TO EXIT LOOP DETECTOR MODULE - TO BE PROVIDED BY GATE

CONTRACTOR

REFER TO TS-000 FOR STANDARD SECURITY DEVICE

TECHNOLOGY CONSULTANT



O: 855-255-5521 WWW.EVERBASESOLUTIONS.COM PROJECT INFORMATION

ORIGINAL ISSUANCE: 50% CD SET NOT FOR CONSTRUCTION REVISIONS REVISION DATE DELTA

SYSTEM DESIGNER: SYSTEM REVIEWER: ECS JOB NUMBER:

SHEET INFORMATION: SHEET TITLE: ACCESS CONTROL SYSTEM DOOR

			CREDENTIAL	AC		LOCK	READER	DOOR	DOOR HARDWARE DETAIL	
<b>LEVEL</b>	ARCH DOOR #	DOOR DESCRIPTION	READER ID	PANEL	LOCKING DEVICE	FUNCTION	<b>FUNCTION</b>	TYPE	(SHEET # - DETAIL #)	NOTES
EVEL 1	DA105A	BLDG A - PARKING GARAGE	CR.A-01	AP1	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	DA103	BLDG A - ELEVATOR LOBBY	CR.A-02	AP1	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	D102	BLDG A - STAIR 2	CR.A-03	AP1	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	ELEV	BLDG A -ELEVATOR	CR.A-04	AP1	ELEVATOR CALL BUTTON READER	FAIL SECURE	ONL	SINGLE	3/TS801	
EVEL 1	DA112B	BLDG A - TRASH	CR.A-05	AP1	ELECTRIC STRIKE W/ STORE ROOM FUNCTION	FAIL SECURE	ONL	SINGLE	2/TS801	
EVEL 1	DA111	BLDG A - STAIR 1	CR.A-06	AP1	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	DB112	BLDG B - STAIR 2	CR.B-01	AP2	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	DB113B	BLDG B - TRASH	CR.B-02	AP2	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	ELEV	BLDG B - ELEVATOR	CR.B-03	AP2	ELEVATOR CALL BUTTON READER	FAIL SECURE	ONL	SINGLE	3/TS801	
EVEL 1	DB102	BLDG B - STAIR 1	CR.B-04	AP2	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	DB103	BLDG B - ELEVATOR LOBBY	CR.B-05	AP2	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	DB105A	BLDG B - PARKING GARAGE	CR.B-06	AP2	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	DC102A	BLDG C -VEHICLE ENTRNACE	CR.C-01	AP3	ROLL UP VEHICLE GATE - SINGLE	FAIL SECURE	ONL	GATE	1/TS802	
EVEL 1	DC102B	BLDG C - PARKING GARAGE	CR.C-02	AP3	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	DC103	BLDG C - STAIR 1	CR.C-03	AP3	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	DC105	BLDG C - ELEVATOR LOBBY	CR.C-04	AP3	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	ELEV	BLDG C - ELEVATOR	CR.C-05	AP3	ELEVATOR CALL BUTTON READER	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	DC103	BLDG C - STAIR 2	CR.C-06	AP3	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	DD103	BLDG D - STAIR	CR.D-01	AP4	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
EVEL 1	ELEV	BLDG D - ELEVATOR	CR.D-02	AP4	ELEVATOR CALL BUTTON READER	FAIL SECURE	ONL	SINGLE	3/TS801	
EVEL 1	DD105	BLDG D - ELEVATOR LOBBY	CR.D-03	AP4	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	3/TS801	
EVEL 1	DD107	BLDG D - STAIR 2	CR.D-04	AP4	ELECTRIC STRIKE W/ EXIT DEVICE	FAIL SECURE	ONL	SINGLE	1/TS801	
_EVEL 1	D109	BLDG D - TRASH	CR.D-05	AP4	ELECTRIC STRIKE W/ STORE ROOM FUNCTION	FAIL SECURE	ONL	SINGLE	2/TS802	
_EVEL 1	DD102A	BLDG D - ELEVATOR	CR.D-06	AP4	ROLL UP VEHICLE GATE - SINGLE	FAIL SECURE	ONL	GATE	1/TS802	
_EVEL 1	DD102B	BLDG D - PARKING GARAGE ENTRNACE	CR.D-07	AP4	ELEVATOR CALL BUTTON READER	FAIL SECURE	ONL	SINGLE	3/TS801	

DOOR HARDWARE	ACCESS CONTROL COMPOSITE CABLE	CREDENTIAL READER	DOOR POSITION SENSOR	REX MOTION SENSOR	ELECTRIFIED EXIT DEVICE W/ LATCH RETRACTION	ELECTRIFIED EXIT DEVICE W/ VERTICAL RODS	ELECTRIC STRIKE	ELECTRIFIED LEVER SET	EXIT BUTTON	MAGNETIC LOCK	NON-POWERED EXIT DEVICE	NON-POWERED LEVER TRIM	STOREROOM FUNCTION LEVER SET	STAND-ALONE BATTERY OPERATED LEVER SET
TYPICAL PEDESTRIAN DOOR & GATE BASE-ASSEMBLIES:														
ELECTRIC STRIKE W/ EXIT DEVICE	Х	Х	Х	Х			Х				Х	Х		
ELECTRIC STRIKE W/ EXIT DEVICE (EXTERIOR GATE)	Х	Х	Х				Х				Х	Х		
ELECTRIC STRIKE W/ STOREROOM FUNCTION LEVEL SET	Х	Х	Х	Х			Х						Х	
ELECTRIFIED EXIT DEVICE W/ LATCH RETRACTION	Х	Х	Х	Х	Х							Х		
ELECTRIFIED EXIT DEVICE W/ VERTICAL RODS	Х	Х	Х	Х		Х						Х		
ELECTRIFIED LEVER SET W/ EXIT DEVICE	Х	Х	Х	Х				Х			Х			
ELECTRIFIED LEVER SET W/ LEVER TRIM	Х	Х	Х	Х				Х				Х		
MAGNETIC LOCK W/ EXIT DEVICE & EXIT BUTTON	Х	Х	Х	Х					Х	Х	Х	Х		
STAND-ALONE BATTERY OPERATED LEVER SET														Х

DOOR HARDWARE	ACCESS CONTROL COMPOSITE CABLE	CREDENTIAL READER	EXIT IR SENSOR/EXIT LOOP	POSITION SENSOR	UHF RECEIVER	GATE OPERATOR W/ DRY CONTACT	BARRIER-ARM GATE	ROLLING BARRIER GATE	ROLL-UP GATE
VEHICLE GATE BASE-ASSEMBLIES:									
BARRIER-ARM VEHICLE GATE W/ UHF RECEIVER	Х	Х	Х	Х	Х	Х	Х		
ROLLING BARRIER VEHICLE GATE Q/ UHF RECEIVER	Х	Х	Х	Х	Х	Х		Х	
ROLL-UP VEHICLE GATE W/ UHF RECEIVER	Х	Х	Х	Х	Х	Х			Х

DOOR HARDWARE LEGEND REFERENCE

TECHNOLOGY CONSULTANT

EVERBASE SOLUTIONS DENVER | CO

O: 855-255-5521 WWW.EVERBASESOLUTIONS.COM

ORIGINAL ISSUANCE: 50% CD SET 03/31/23
NOT FOR CONSTRUCTION **REVISIONS** REVISION DATE DELTA

SYSTEM REVIEWER:

ECS JOB NUMBER:

SHEET INFORMATION:

LOCK SCHEDULE

CCTV	<b>DEVICE SCHEDULE</b>					
LEVEL	CAMERA LOCATION	NETWORK SWITCH LOCATION	ID	CAMERA MOUNTING & TYPE	CAMERA RESOLUTION	LENS TYPE CAMERA NOTES
LEVEL 1	BLDG A -PARKING GARAGE	IDF 1-107	L1-01	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG A - ELEVATOR LOBBY ENTRANCE	IDF 1-107	L1-02	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG A - STAIR 2	IDF 1-107	L1-03	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG A - RETAIL 1	IDF 1-107	L1-04	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG A - PARKING GARAGE	IDF 1-107	L1-05	Ceiling Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG A - RETAIL 3	IDF 1-107	L1-06	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG A - TRASH	IDF 1-107	L1-07	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG A - PARKING GARAGE 2	IDF 1-107	L1-08	Ceiling Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG A - STAIR 1	IDF 1-107	L1-09	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG B - VEHICLE ENTRANCE 1	IDF 2-108	L1-10	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG B - STAIR 2	IDF 2-108	L1-11	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG B -TRASH	IDF 2-108	L1-12	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG B - RETAIL 1	IDF 2-108	L1-13	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG B -PARKING GARAGE 1	IDF 2-108	L1-14	Ceiling Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG B - RETAIL 3	IDF 2-108	L1-15	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG B - STAIR 1	IDF 2-108	L1-16	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG B - ELEVATOR LOBBY ENTRANCE	IDF 2-108	L1-17	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG B -PARKING GARAGE 2	IDF 2-108	L1-18	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG B -PARKING GARAGE ENTRANCE	IDF 2-108	L1-19	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG B - VEHICLE ENTRANCE 2	IDF 2-108	L1-20	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG C - VEHICLE GATE EXTERIOR	IDF 3-322	L1-21	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG C -PARKING GARAGE ENTRANCE	IDF 3-322	L1-22	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG C - STAIR 1	IDF 3-322	L1-23	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG C - ELEVATOR LOBBY ENTRANCE	IDF 3-322	L1-24	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG C - VEHICLE GATE INTERIOR	IDF 3-322	L1-25	Ceiling Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG C - RETAIL ENTRANCE	IDF 3-322	L1-26	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG C -STAIR 2	IDF 3-322	L1-27	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG C - ELEVATOR LOBBY	IDF 3-322	L1-28	Ceiling Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG D - STAIR 1	IDF 4-319	L1-29	Ceiling Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG D - RETAIL ENTRANCE 1	IDF 4-319	L1-30	Ceiling Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG D - RETAIL ENTRANCE 2	IDF 4-319	L1-31	Ceiling Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG D - ELEVATOR LOBBY	IDF 4-319	L1-32	Ceiling Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG D - ELEVATOR LOBBY ENTRANCE	IDF 4-319	L1-33	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG D - STAIR 2	IDF 4-319	L1-34	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG D -PARKING GARAGE	IDF 4-319	L1-35	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG D -PARKING GATE INTERIOR	IDF 4-319	L1-36	Ceiling Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal
LEVEL 1	BLDG D - VEHICLE GATE EXTERIOR	IDF 4-319	L1-37	Wall Mounted - Fixed Position	3 MP (2304 x 1296)	2.8-9mm Varifocal

CAT6 CABLE CONNECTORS —		— CAT6 CABLE CONNECTORS —	
1-CAT6 OR CAT6A CABLE————————————————————————————————————	NS	——1-CAT6 OR CAT6A CABLE	NVR
CCTV SYSTEM CONNECTIVITY DIAGRAM	<b>√</b>		

SECURITY PLAN SYMBOL LEGEND: SYMBOL CCTV SYSTEM DEVICE DESCRIPTION: CCTV SYSTEM NETWORK VIDEO RECORDER (NVR) | NVR | (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET CEILING MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER) CEILING MOUNTED PAN, TILT, ZOOM (PTZ) POE DOME CAMERA (LEVEL - CAMERA NUMBER) WALL MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER) WALL MOUNTED PAN, TILT, ZOOM (PTZ) POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER) CCTV SYSTEM J-BOX INTRUSION DETECTION SYSTEM DEVICE DESCRIPTION: INTRUSION DETECTION SYSTEM CONTROLLER (WALL MOUNTED) INTRUSION DETECTION KEYPAD (WALL MOUNTED WITH BUTTONS AT A.D.A. ACCESSIBLE HEIGHT) DOOR CONTACT (MOUNTED TO DOOR FRAME) MOTION SENSOR (WALL MOUNTED) VIBRATION SENSOR (WALL MOUNTED) INTRUSION DETECTION SIREN (AT KEYPAD OR WALL MOUNTED)

- REFER TO TS-000 FOR STANDARD SECURITY DEVICE MOUNTING HEIGHTS
- REFER TO SECURITY DETAILS SHEETS SYSTEM DIAGRAMS
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AT
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING
- CONTRACTOR LATCHED WHEN POWER IS REMOVED BY ACCESS
- ALL COMMON AREA ACCESS CONTROL SYSTEMS MUST BE COMPATIBLE WITH ANY OTHER ACCESS CONTROL SOLUTION, INCLUDING UNIT DOORS, TELE-ENTRY

CONTROL PANEL VIA A POWER OUTAGE OR FIRE

- PRODUCT AND SITE GATES. 10. ACCESS CONTROL SYSTEM IS TO BE INTEGRATED WITH
- THE VIDEO MANAGEMENT SYSTEM, TYP.
- UTILIZED AT VEHICLE GATES WITH UHF RECEIVERS REQUIREMENTS WITH ELEVATOR CONTRACTOR TO
- AND IN-CAB CAMERA PER DESIGN
- ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS 14. PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED
- AT VEHICLE GATES WITH RF RECEIVERS

#### **SECURITY SYSTEM PLAN NOTES**

- SPECIFIED
- FAIL SAFE LOCATIONS REQUIRE POWER TO REMAIN LOCKED - DOOR SHALL UNLOCK WHILE REMAINING
- ALARM EVENT DOOR NUMBERS ON THE ARCHITECTURAL PLANS SUPERSEDE ANY DOOR NUMBERS ON THESE PLANS.
- RE: ARCH FOR ANY DISCREPANCIES
- 11. WINDOW-TAG (TOLL-TAG) STYLE CREDENTIAL TO BE
- 12. ARCHITECT TO COORDINATE ELEVATOR TRAVEL CABLE SUPPORT CALL-BUTTON, IN-CAB CREDENTIAL READER,
- 13. ONE CREDENTIAL (FOB) TO BE UTILIZED FOR BOTH
- FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA
- 15. TELE ENTRY COMPONENT(S) TO BE COMPATIBLE WITH APP-BASED VIDEO PLATFORM UNLESS OTHERWISE
- SPECIFIED. 16. GARAGE REMOTE STYLE CREDENTIAL TO BE UTILIZED
- 17. RE: TG-002 FOR TYPICAL WALL MOUNTED AND FLOOR MOUNTED RACK ELEVATIONS. THESE ARE TYPICAL ARRANGEMENTS AND ARE NOT SPECIFIC TO EACH PROJECT, IT IS UP TO THE INSTALLER TO DETERMINE AND BID THE RACK COMPONENTS TO MEET SYSTEM FUNCTIONALITY REQUIREMENTS.

ORIGINAL ISSUANCE: 50% CD SET NOT FOR CONSTRUCTION REVISIONS REVISION DATE DELTA

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

PROJECT INFORMATION

SONDOS

**EVERBASE** 

SOLUTIONS DENVER | CO

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SYSTEM DESIGNER: SYSTEM REVIEWER:

ECS JOB NUMBER: ES-3247

> CCTV SCHEDULE & DIAGRAM

SHEET INFORMATION: SHEET TITLE:

SHEET NUMBER: