

*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
Technology Set - General Information Sheet			
TG-000	BUILDING TECHNOLOGY PROJECT COVER SHEET	IFC SET	06.11.2021
TG-001	PROJECT SCOPE OF WORK SCHEDULE	IFC SET	06.11.2021
Technology Set - DataComm/Network System Sheets			
TD-000	DATACOMM/NETWORK SYSTEM COVER SHEET	IFC SET	06.11.2021
TD-010	SITE PLAN - DATACOMM SYSTEM LAYOUT	IFC SET	06.11.2021
TD-101	LEVEL 1 - DATACOMM SYSTEM LAYOUT	IFC SET	06.11.2021
TD-102	LEVEL 2 - DATACOMM SYSTEM LAYOUT	IFC SET	06.11.2021
TD-103	LEVEL 3 - DATACOMM SYSTEM LAYOUT	IFC SET	06.11.2021
TD-200	DATACOMM IDF ELEVATION	IFC SET	06.11.2021
TD-400	DATACOMM SYSTEM UNIT PLANS	IFC SET	06.11.2021
TD-401	DATACOMM SYSTEM UNIT PLANS	IFC SET	06.11.2021
TD-500	DATACOMM/NETWORK SYSTEM DETAILS	IFC SET	06.11.2021
TD-501	DATACOMM/NETWORK SYSTEM DETAILS	IFC SET	06.11.2021
Technology Set - CCTV Camera System Sheets			
TC-000	CCTV SYSTEM COVER SHEET	IFC SET	06.11.2021
TC-010	SITE PLAN - CCTV SYSTEM LAYOUT	IFC SET	06.11.2021
TC-101	BUILDING 2 - LEVEL 1 - CCTV SYSTEM LAYOUT	IFC SET	06.11.2021
TC-500	CCTV SYSTEM SCHEDULE & DETAIL	IFC SET	06.11.2021

81 STUDIO UNITS IN PROJECT
135 1-BED UNITS IN PROJECT
108 2-BED UNITS IN PROJECT
324 TOTAL UNITS IN PROJECT

DETAIL ID

SHEET ID

1 Ref

1 Ref

A101

TECHNOLOGY CONSULTANT:
EVERBASE CONSULTING
SOLUTIONS
DENVER | CO
P: 720-930-7775
O: 885-255-5521

SUNDAR APARTMENTS
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

TG-000

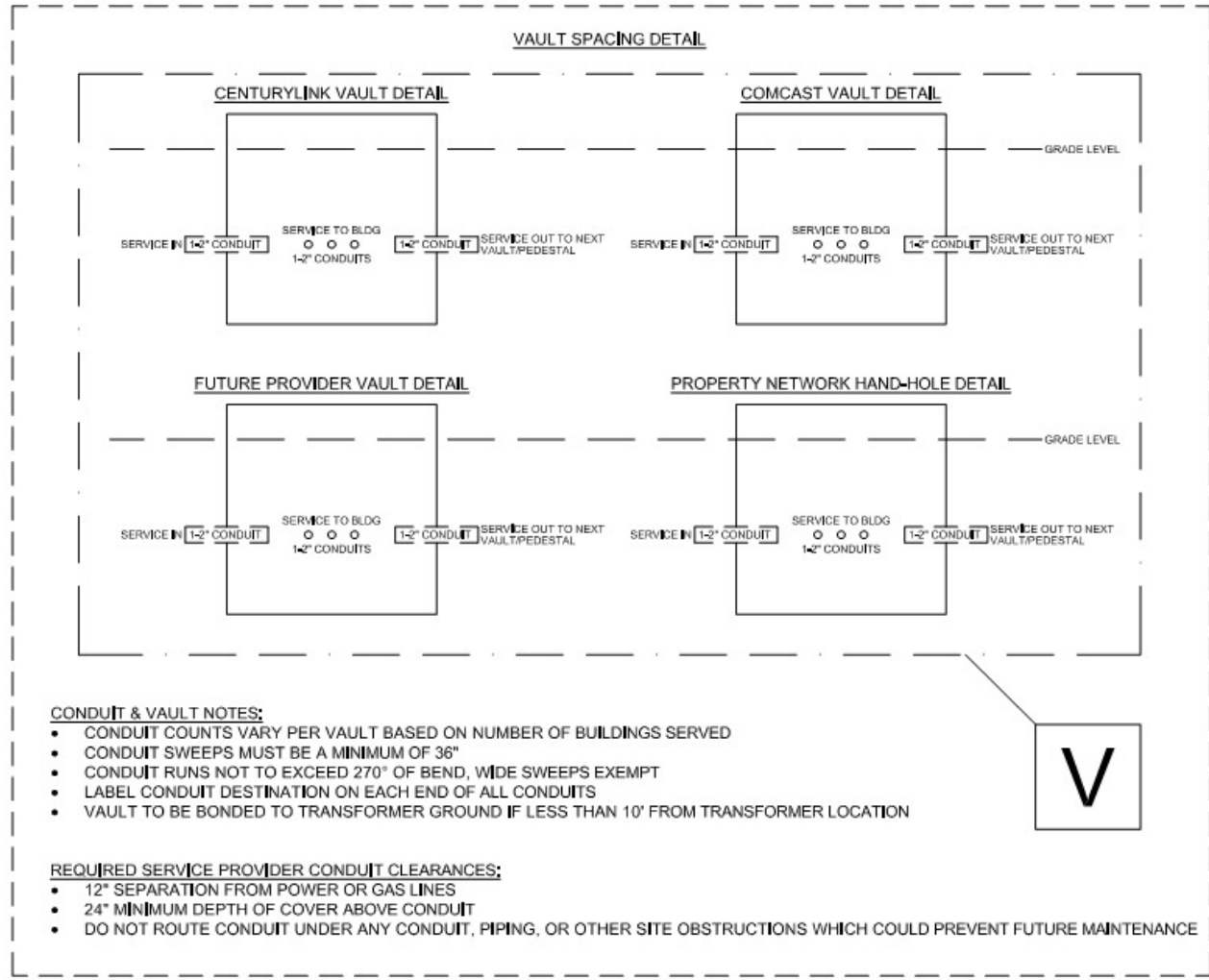
[V] = SERVICE PROVIDER VAULT GROUPING; SEE VAULT SPACING DETAIL

APPROXIMATE JOINT-TRENCH 4-2" CONDUIT RUN-LENGTH: 2957'
APPROXIMATE BUILDING LATERAL 4-2" CONDUIT RUN-LENGTH: 1931'
APPROXIMATE TOTAL 4-2" CONDUIT RUN-LENGTH: 13888'

APPROXIMATE PROVIDER ENTRY 1-4" CONDUIT RUN-LENGTH: 1TB0'

APPROXIMATE BUILDING TECHNOLOGY SYSTEM INTERCONNECTION 1-4" CONDUIT RUN-LENGTH: 286'

RESIDENTIAL BUILDINGS: 36-PLEX (9 OCCURRENCES)
TOTAL UNITS IN PROJECT: 324 UNITS



DATACOMM/NETWORK PLAN SYMBOL LEGEND:	
SYMBOL	DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:
NS	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)
PP	NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)
FS	NETWORK ETHERNET FIBER SWITCH (LOCATED IN EQUIPMENT RACK)
WAP	WIRELESS ACCESS POINT - PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS
E	EMERGENCY PHONE (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
WM FM	DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DUAL DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	QUAD DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DUAL DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)
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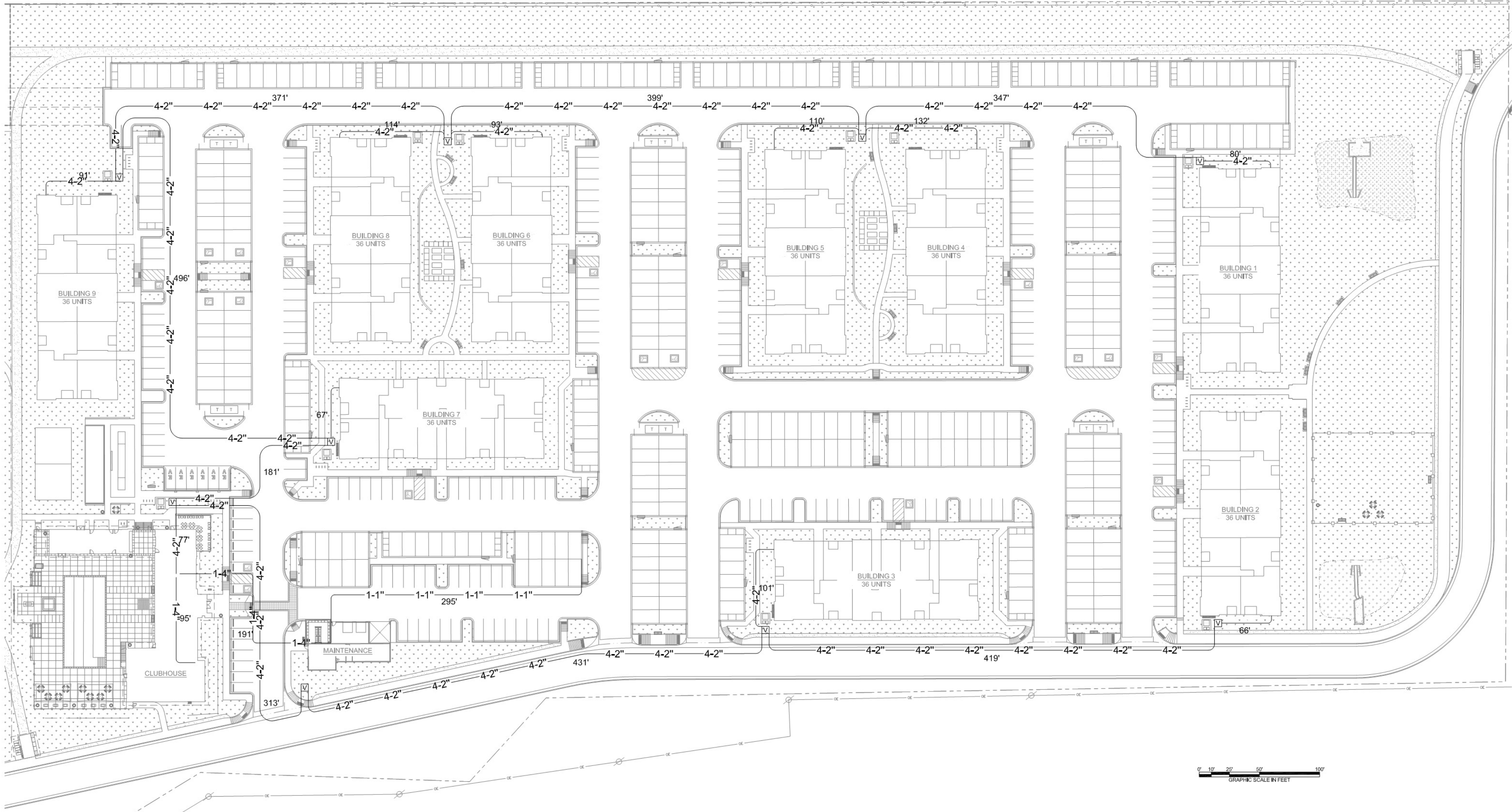
CONDUIT LEGEND

LINE TYPE DESCRIPTION

1-4"	1-4"	1-4" CONDUIT FOR SERVICE PROVIDER ENTRY (PROVIDER ALLOCATION DESIGNATED WITH KEYNOTE)
4-2"	4-2"	SERVICE & SYSTEM BACKBONE CONDUIT - CEILING MOUNTED: <ul style="list-style-type: none">1-2" WITH METERED PULL STRING FOR CENTURYLINK SERVICE DISTRIBUTION1-2" WITH METERED PULL STRING FOR COMCAST SERVICE DISTRIBUTION1-2" FOR FUTURE SERVICE DISTRIBUTION1-2" FOR PROPERTY NETWORK CONNECTION

DATACOMM/NETWORK NOTES

- REFER TO SHEET TD-000 FOR STANDARD DATACOMM/NETWORK DEVICE CABLEING REQUIREMENTS & MOUNTING HEIGHTS
- REFER TO DATACOMM/NETWORK FLOORPLAN SHEETS FOR BUILDING DATACOMM/NETWORK DEVICE LAYOUT
- REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING DETAIL
- 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
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
- ALL CABLEING 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° BENDS TO BE 36" 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 ALL DATA OUTLET LOCATIONS IN PLAN WITH CODE COMPLIANT ELECTRICAL OUTLET LOCATIONS. ELECTRICAL OUTLET LOCATIONS ARE PRIORITY IN ANY PERCEIVED CONFLICTS OF DATA OUTLETS IN PLAN.



SITE PLAN - DATACOMM LAYOUT

1/48" = 1'-0"

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR APARTMENTS

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2020
IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER:

ECS JOB NUMBER: EC-1023

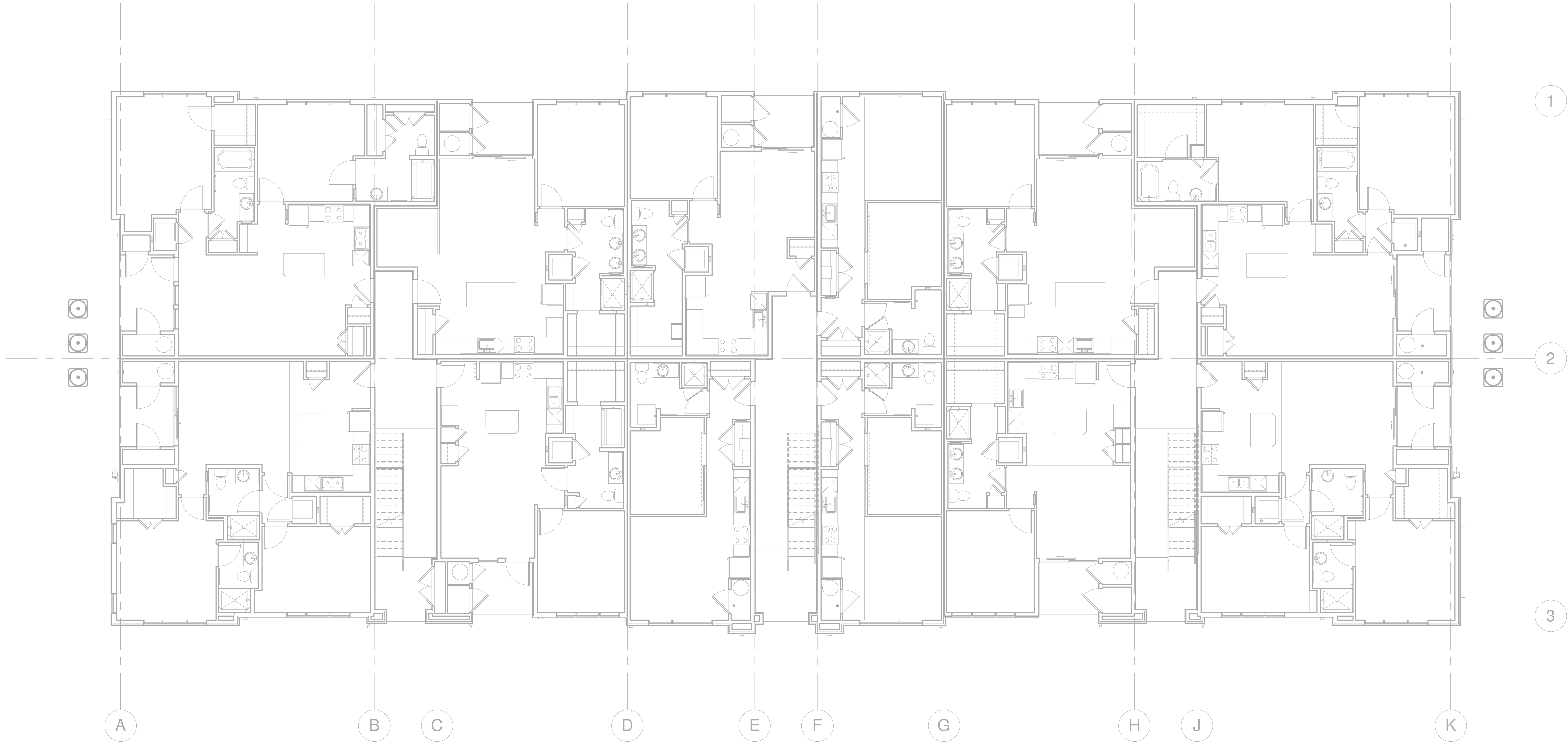
SHEET INFORMATION

SHEET TITLE:

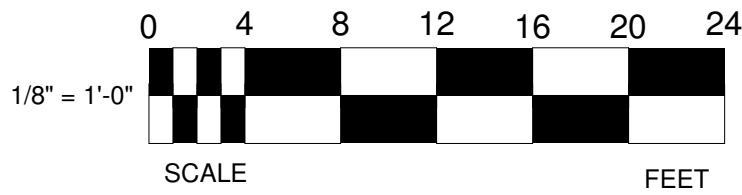
SITE PLAN - DATACOMM
SYSTEM LAYOUT

SHEET NUMBER:

TD-010



1 LEVEL 1 - DATACOMM LAYOUT
1/8" = 1'-0"



DATACOMM/NETWORK PLAN SYMBOL LEGEND:	
SYMBOL	DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:
NS	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)
PP	NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)
FS	NETWORK ETHERNET FIBER SWITCH (LOCATED IN EQUIPMENT RACK)
WAP	WIRELESS ACCESS POINT - PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS
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WM FM	DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DUAL DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
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DATACOMM/NETWORK NOTES

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- REFER TO DATACOMM/NETWORK FLOORPLAN SHEETS FOR BUILDING DATACOMM/NETWORK DEVICE LAYOUT
- REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING DETAIL
- 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
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
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PROJECT INFORMATION

SUNDAR APARTMENTS

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

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IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER: Checker

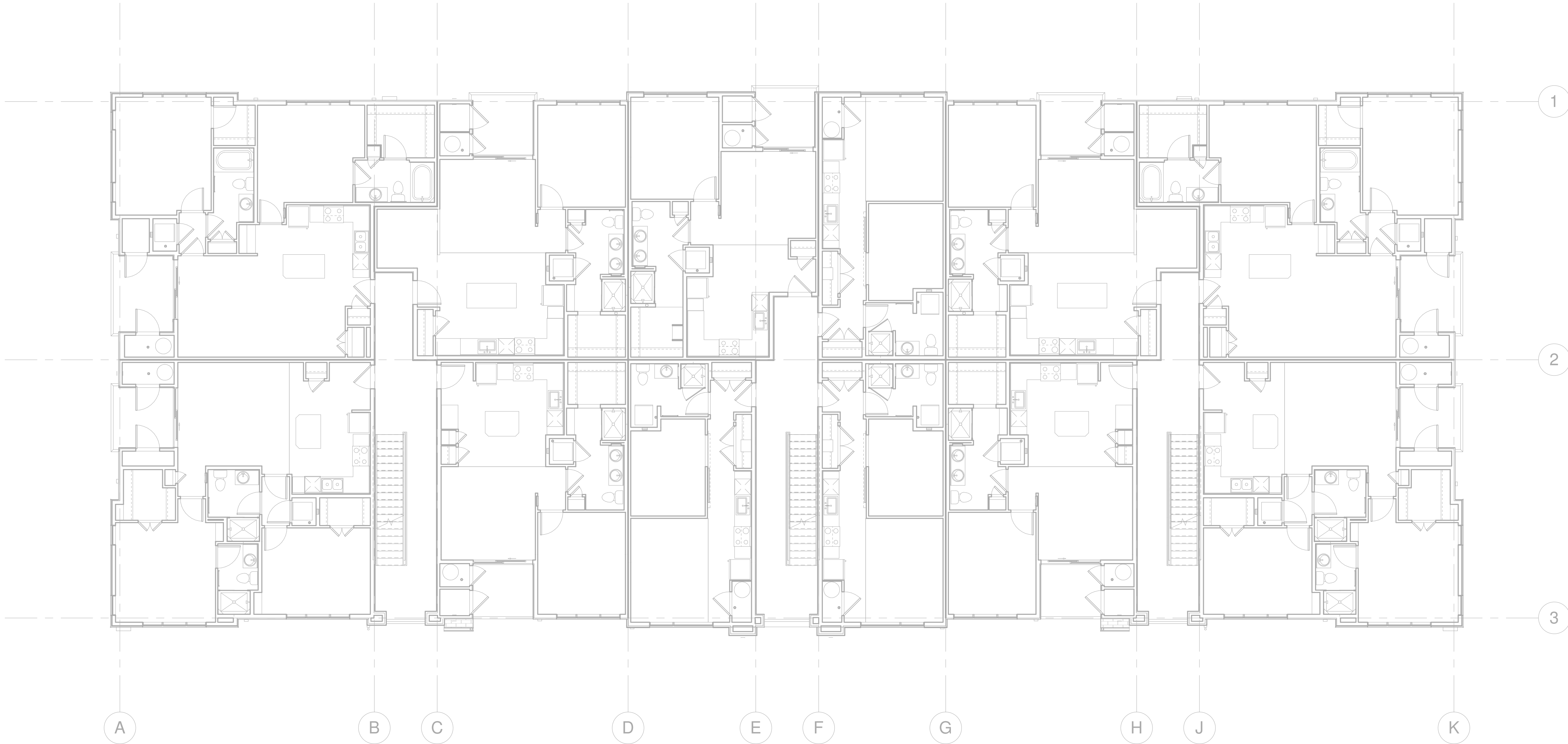
ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: LEVEL 1 - DATACOMM SYSTEM LAYOUT

SHEET NUMBER:

TD-101

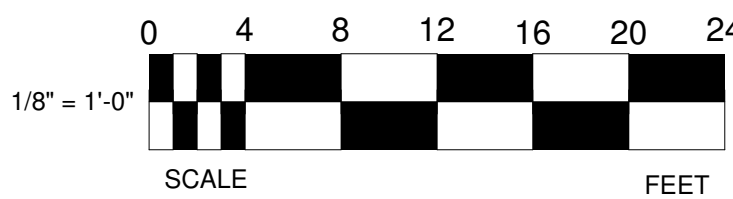


1 LEVEL 2 - DATACOMM LAYOUT
1/8" = 1'-0"

DATACOMM/NETWORK PLAN SYMBOL LEGEND:	
SYMBOL	DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:
NS	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)
PP	NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)
FS	NETWORK ETHERNET FIBER SWITCH (LOCATED IN EQUIPMENT RACK)
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PROJECT INFORMATION

SUNDAR APARTMENTS

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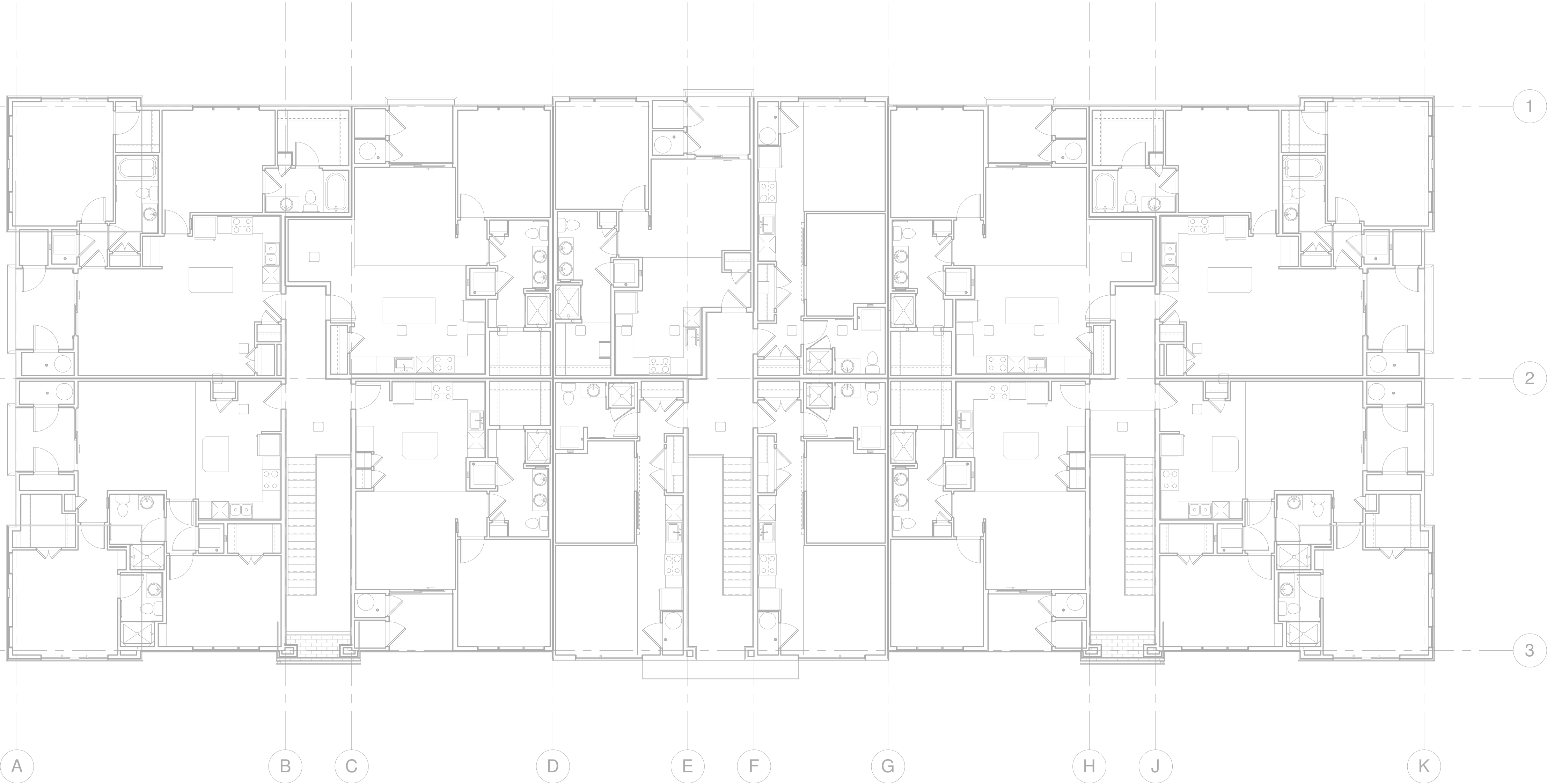
ORIGINAL ISSUANCE: DATE: 06.11.2021
IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER: Designer
SYSTEM REVIEWER: Checker
ECS JOB NUMBER: EC-1023

SHEET INFORMATION
SHEET TITLE: LEVEL 2 - DATACOMM SYSTEM LAYOUT
SHEET NUMBER:

TD-102

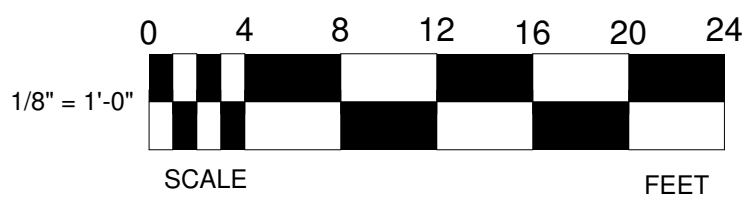


1 LEVEL 3 - DATACOMM LAYOUT
1/8" = 1'-0"

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

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- REFER TO DATACOMM/NETWORK FLOORPLAN SHEETS FOR BUILDING DATACOMM/NETWORK DEVICE LAYOUT
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DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2021

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER: Designer

SYSTEM REVIEWER: Checker

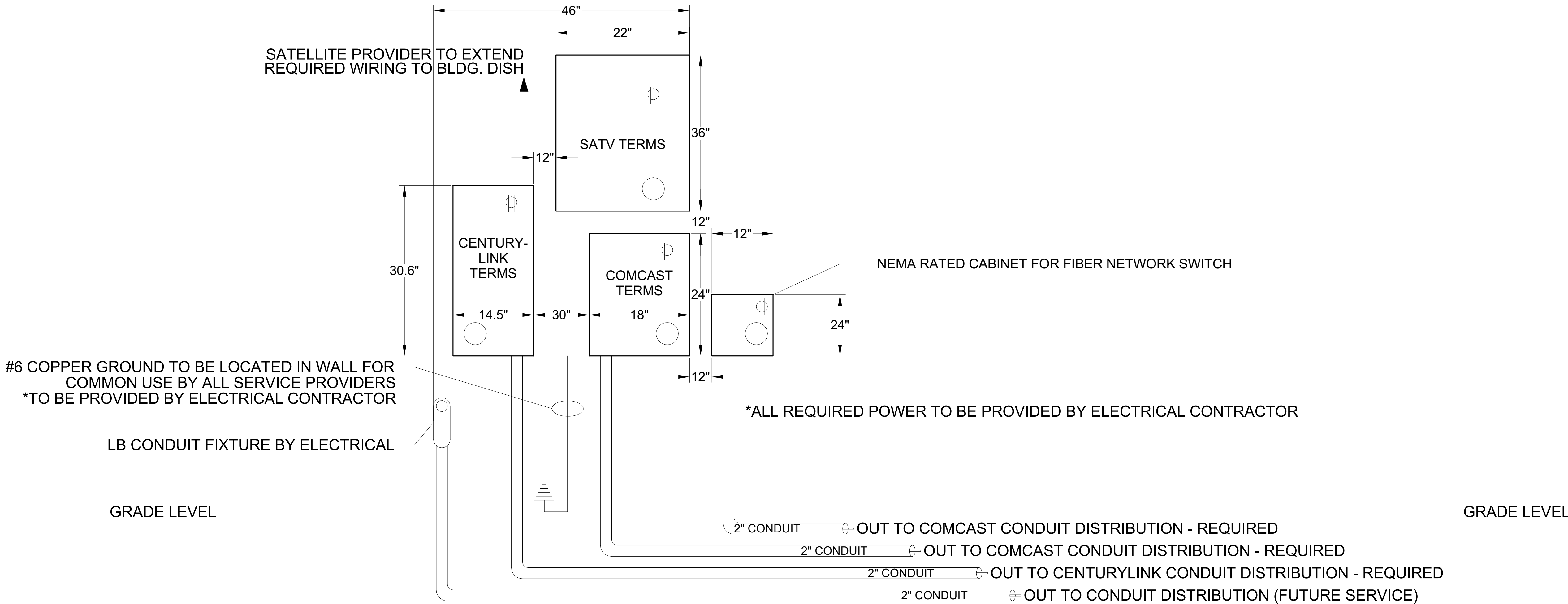
ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: LEVEL 3 - DATACOMM SYSTEM LAYOUT

SHEET NUMBER:

TD-103



1 TYPICAL EXTERIOR BUILDING ENTRY PANEL DETAIL
NTS

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

DATACOMM/NETWORK NOTES

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- REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING DETAIL
- REFER TO DATACOMMM/NETWORK UNIT SHEETS FOR REQUIRED UNIT "HOME RUN" WIRING & IN-UNIT DATACOMM/NETWORK DEVICE LAYOUT
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PROJECT INFORMATION

SUNDAR APARTMENTS

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2029

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER: Checker

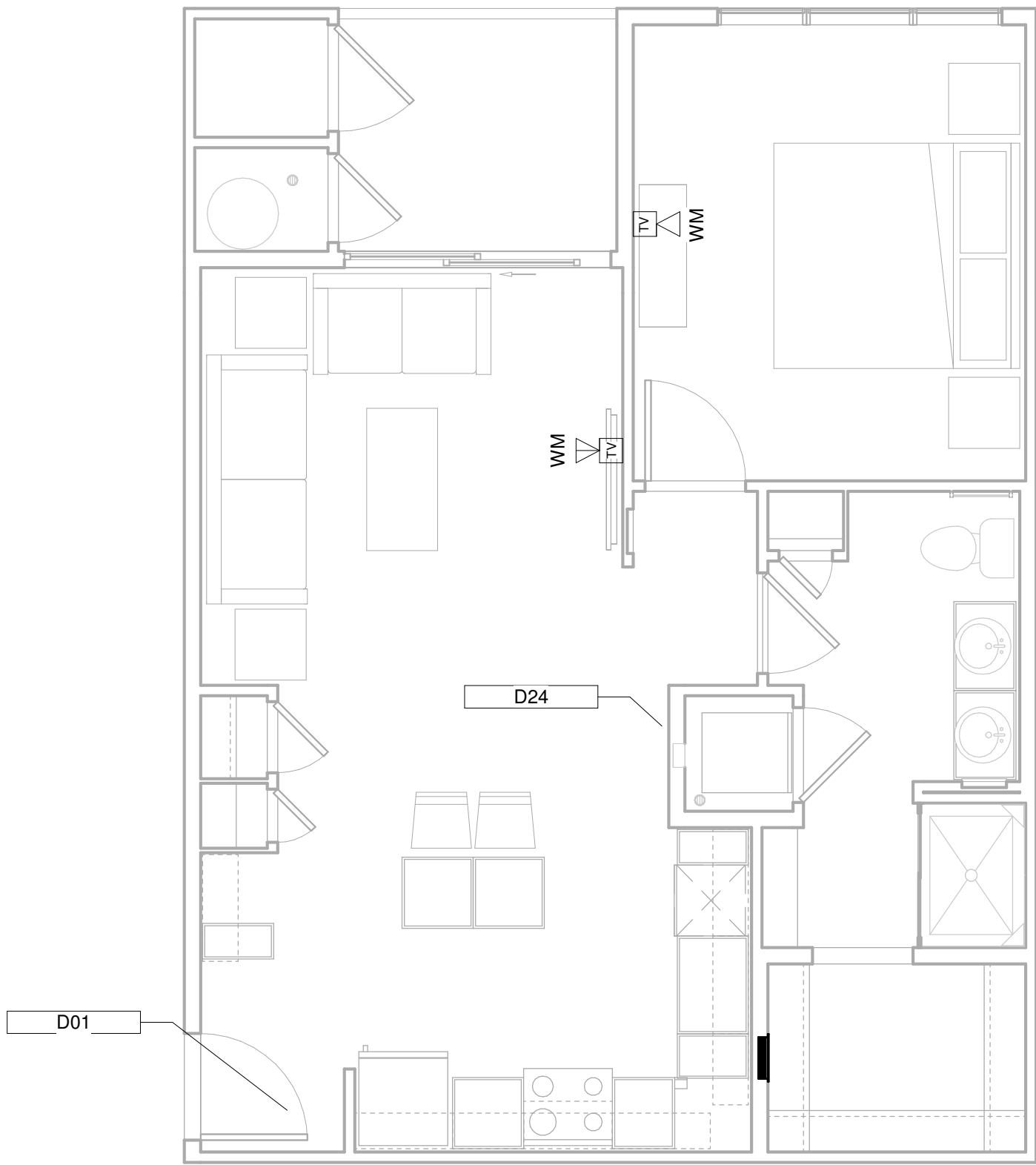
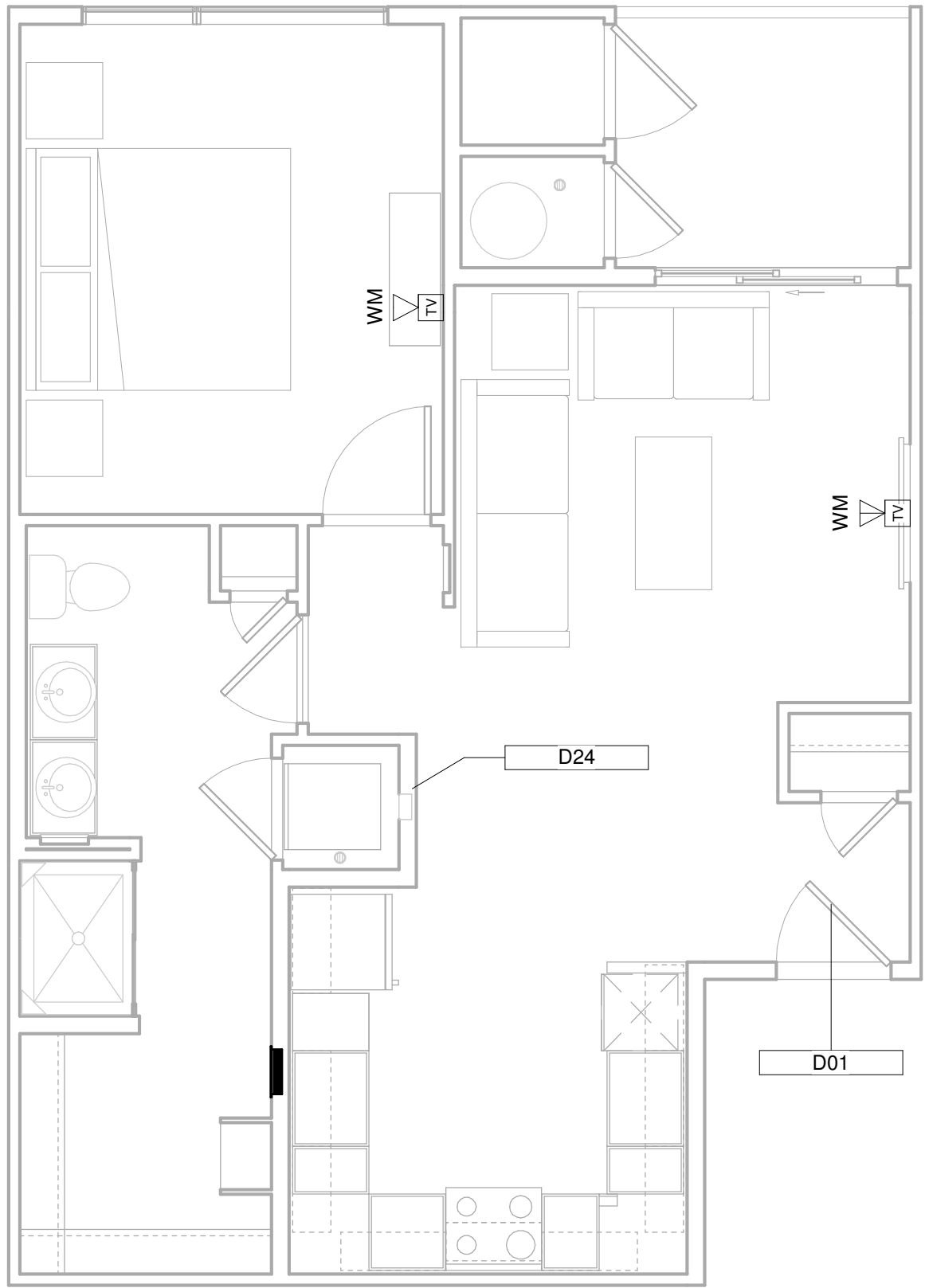
EC3 JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: DATACOMM IDF ELEVATION

SHEET NUMBER:

TD-200



DATACOMMNETWORK PLAN SYMBOL LEGEND:	
SYMBOL	
DATACOMMNETWORK SYSTEM DEVICE DESCRIPTION:	
WM FM	DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DUAL DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	IN-UNIT NON-METALLIC MEDIA PANEL (RECESS MOUNTED IN-WALL)
WAP	WIRELESS ACCESS POINT - PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS

Keynote Legend	
Key Value	Keynote Text
D01	SALTO STAND-ALONE ELECTRONIC UNIT LOCK WITH MOBILE CREDENTIAL CAPABILITY & SHARED CREDENTIAL WITH COMMON AREA ACCESS CONTROL SYSTEM
D24	SMART THERMOSTAT - COORDINATE LOCATION WITH MECHANICAL PLANS

DATACOMM/NETWORK NOTES

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- REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING DETAIL
- REFER TO DATACOMM/NETWORK DETIAL SHEETS FOR DATACOMM/NETWORK SYSTEM DETAILS & DIAGRAMS
- 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 ROOMTO BE CONSISTENT WITH SERVICE PROVIDER CONTRACTS. UNIT HOMERUN WIRING TO INCLUDE:
 - 1-OPTICAL FIBER CABLE IN MICRODUCT CONDUIT AS PER SERVICE PROVIDER A SPECIFICATIONS
- COORDINATE ALL DATA OUTLET LOCATIONS IN PLAN WITH CODE COMPLIANT ELECTRICAL OUTLET LOCATIONS. ELECTRICAL OUTLET LOCATIONS ARE PRIORITY IN ANY PERCEIVED CONFLICTS OF DATA OUTLETS IN PLAN.

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR APARTMENTS

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2024
IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER: Checker

ECS JOB NUMBER: EC-1023

SHEET INFORMATION

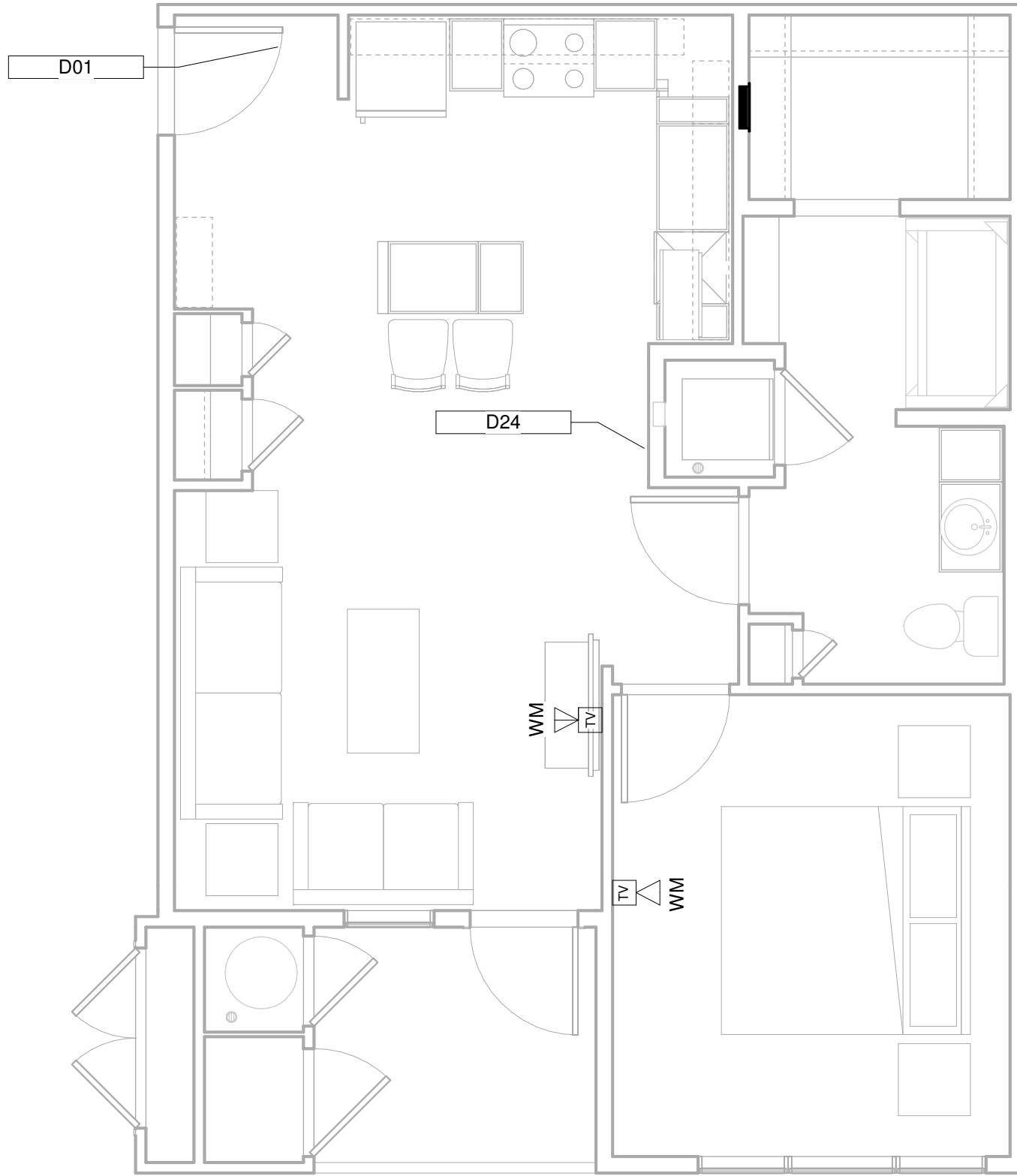
SHEET TITLE:

DATACOMM SYSTEM UNIT PLANS

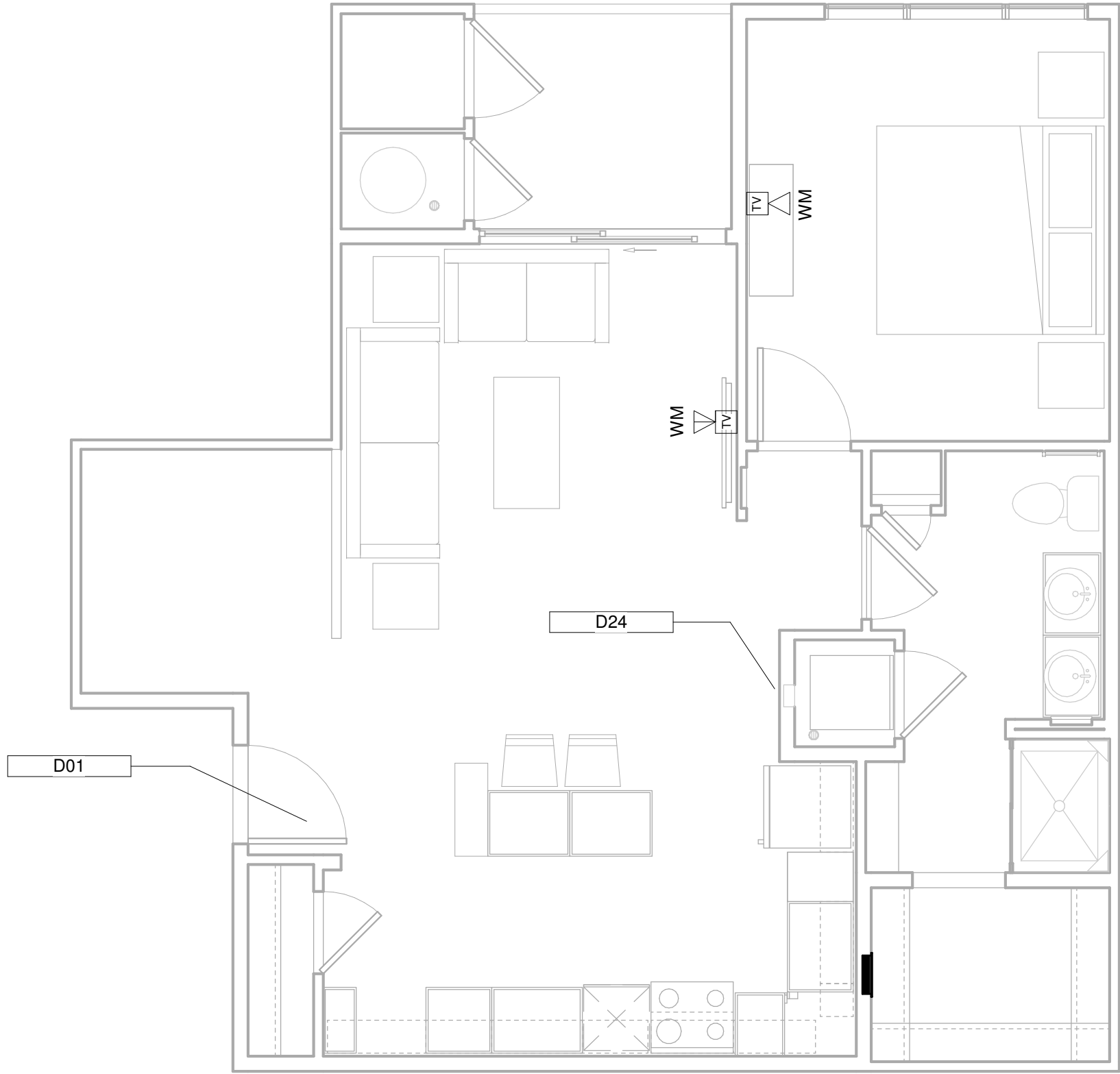
SHEET NUMBER:

TD-400

1 UNIT A1 - DATACOMM LAYOUT 27 OCCURENCES IN PROJECT
1/4" = 1'-0"

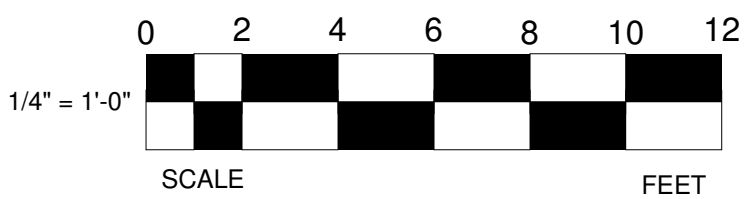


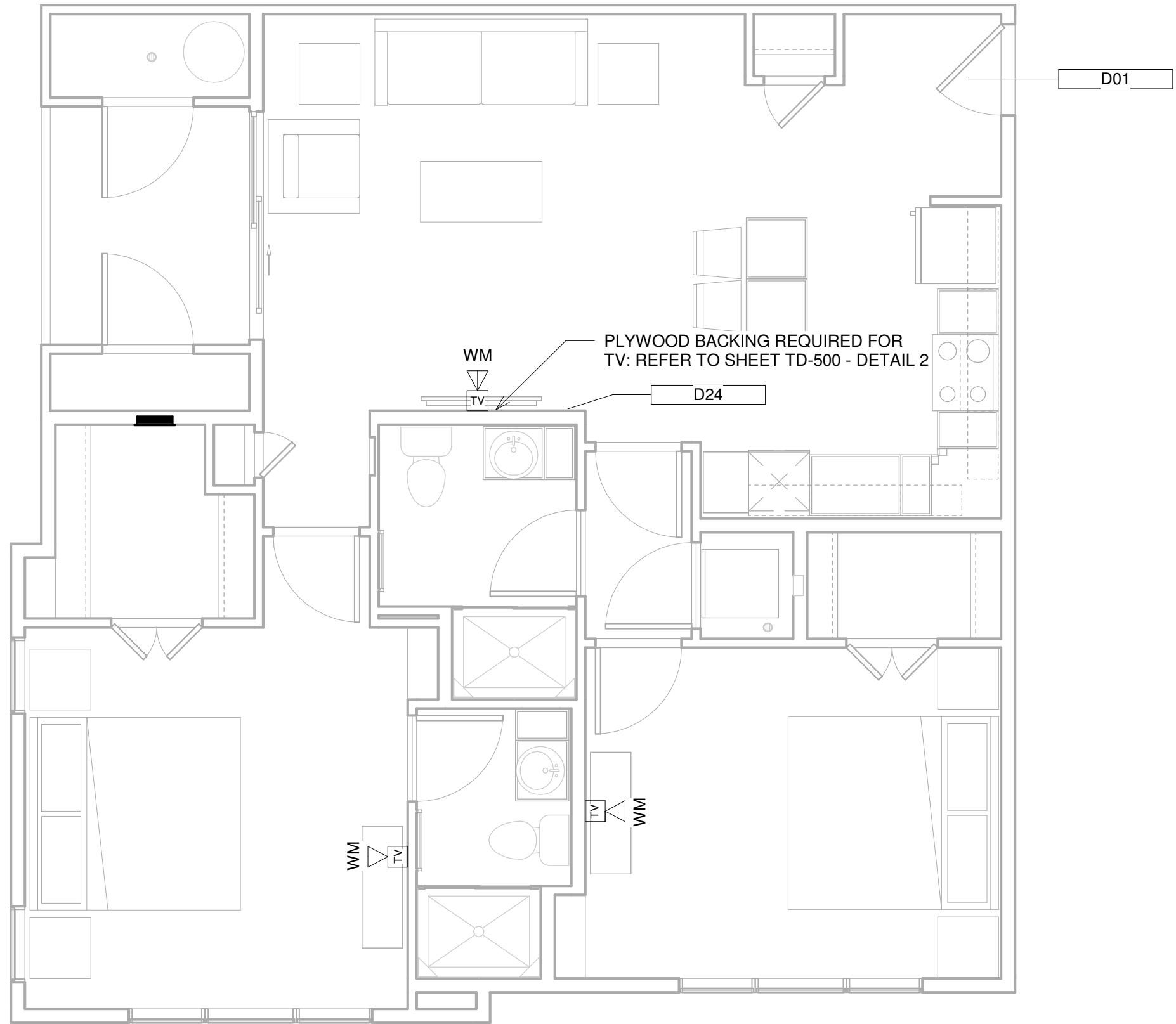
2 UNIT A2 - DATACOMM LAYOUT 45 OCCURENCES IN PROJECT
1/4" = 1'-0"



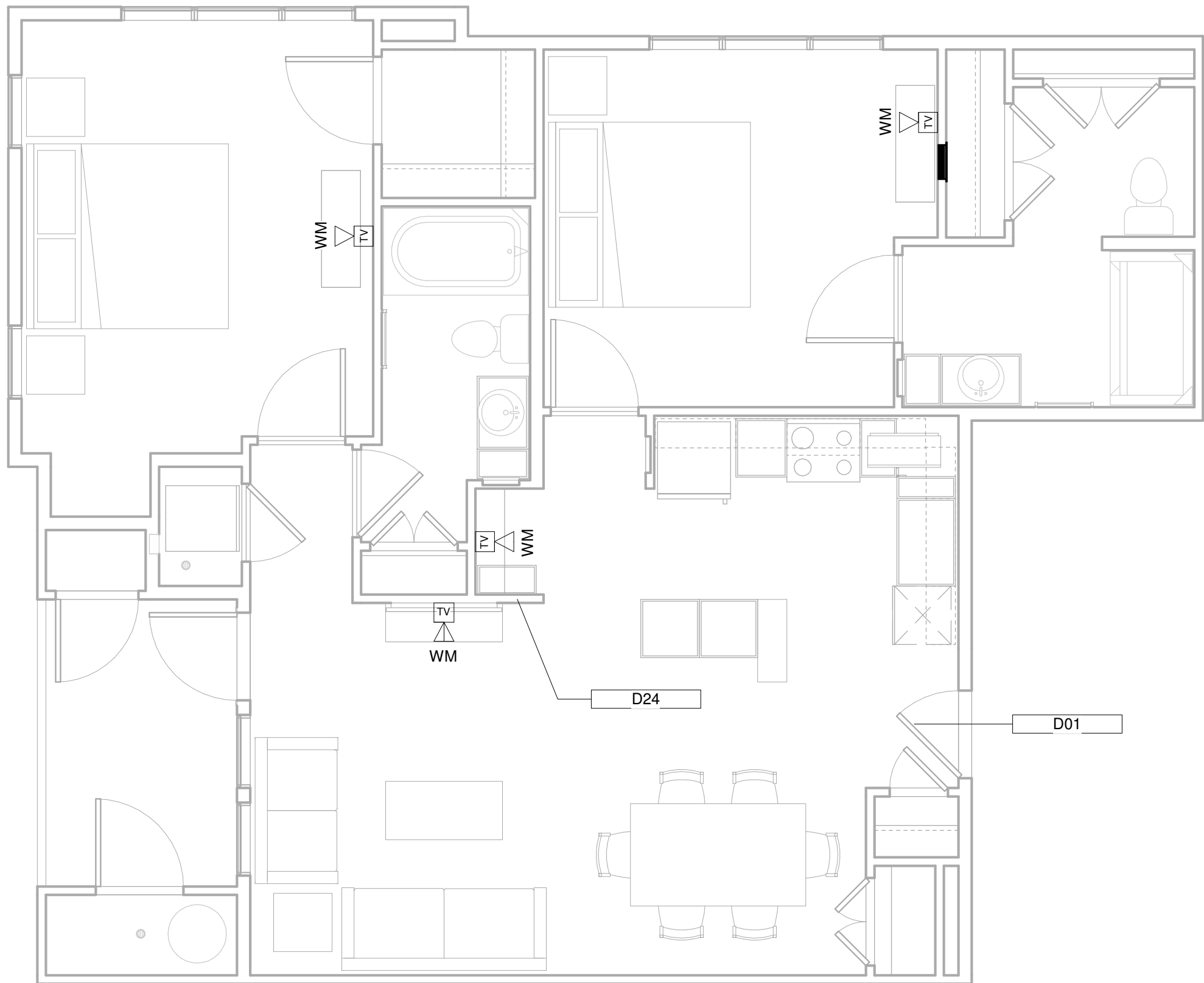
3 UNIT A2A - DATACOMM LAYOUT 9 OCCURENCES IN PROJECT
1/4" = 1'-0"

4 UNIT A3 - DATACOMM LAYOUT 54 OCCURENCES IN PROJECT
1/4" = 1'-0"

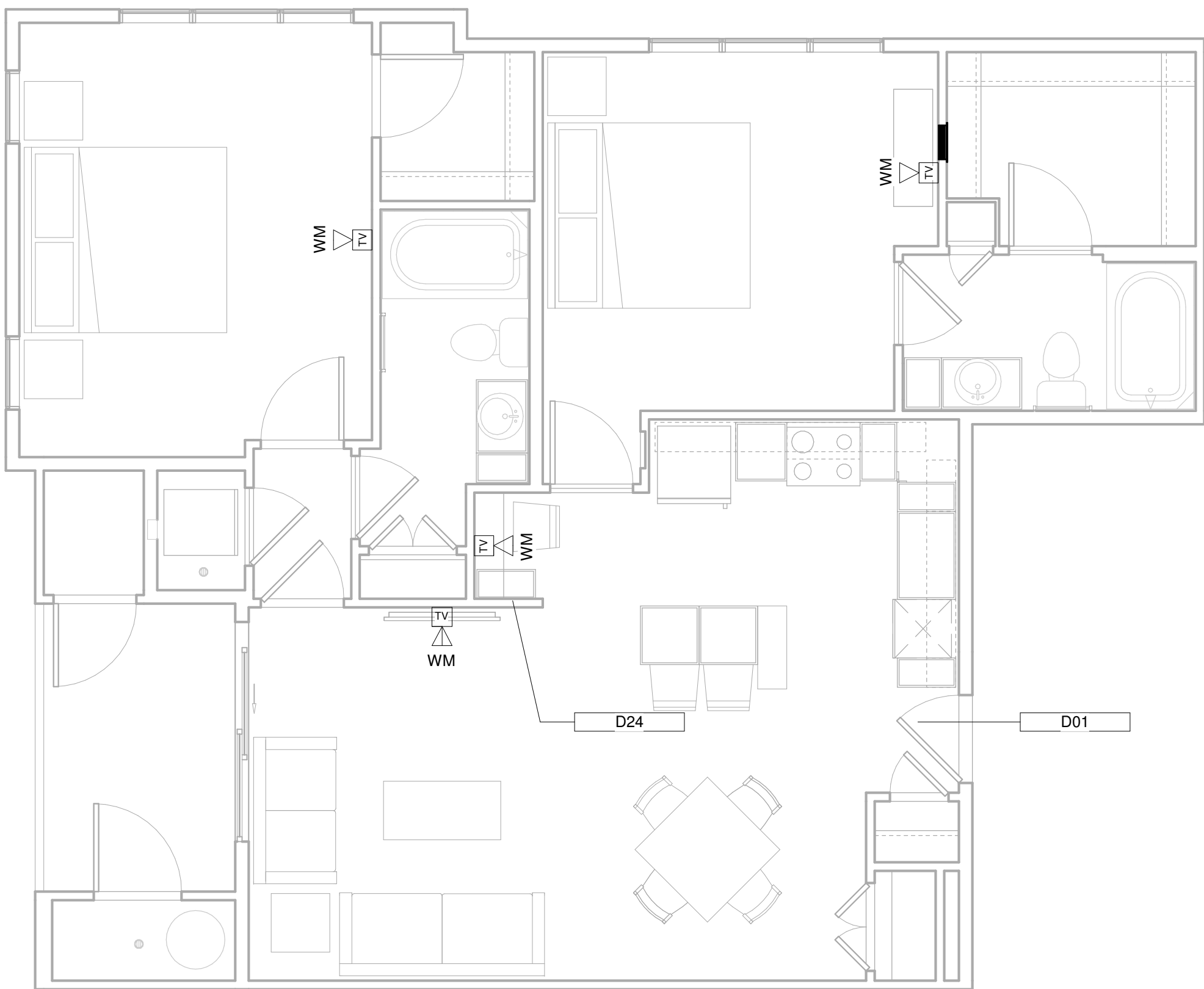




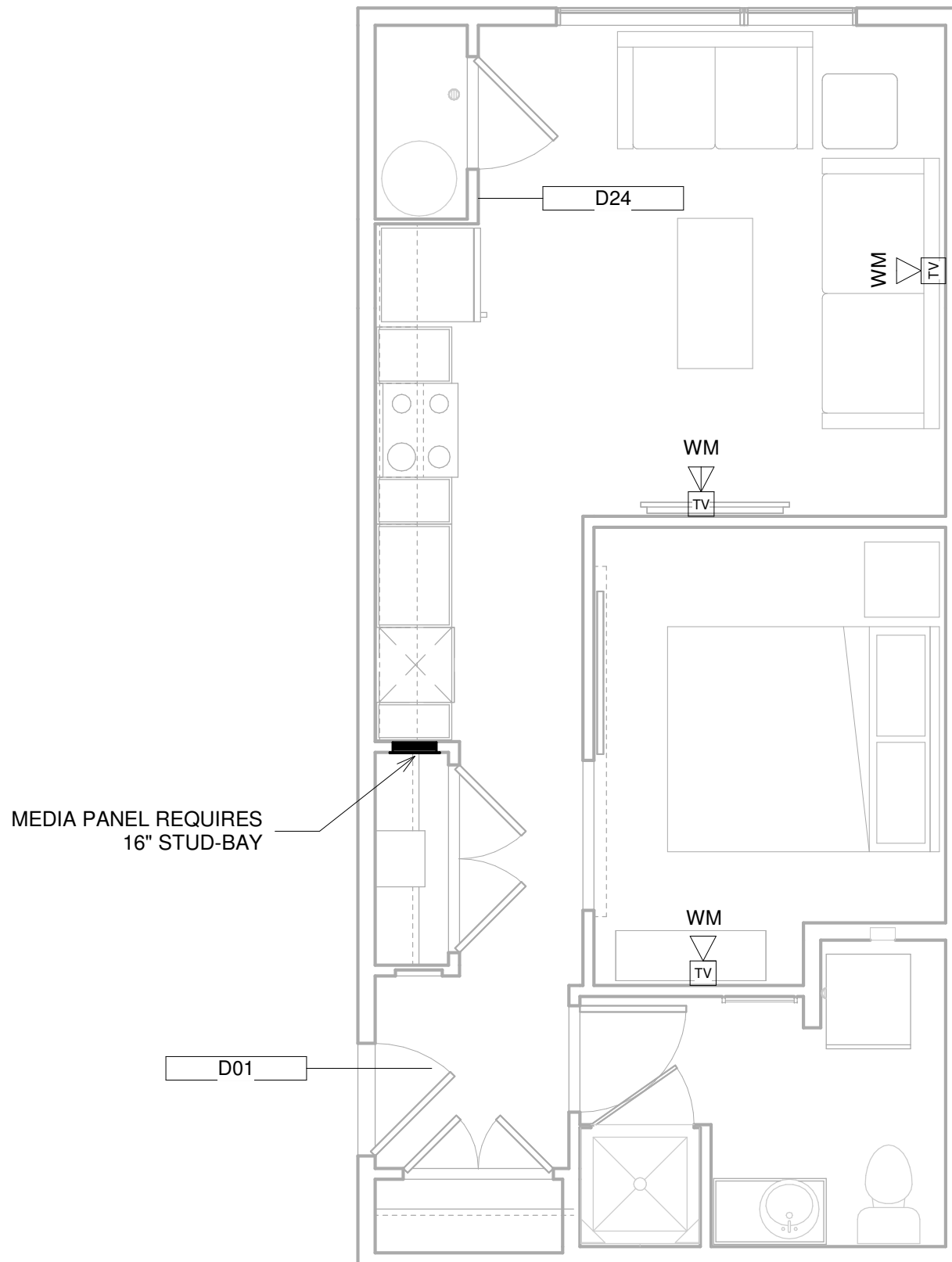
1 UNIT B1 - DATACOMM LAYOUT 54 OCCURANCES IN PROJECT
1/4" = 1'-0"



3 UNIT B2A - DATACOMM LAYOUT 9 OCCURANCES IN PROJECT
1/4" = 1'-0"



2 UNIT B2 - DATACOMM LAYOUT 45 OCCURANCES IN PROJECT
1/4" = 1'-0"



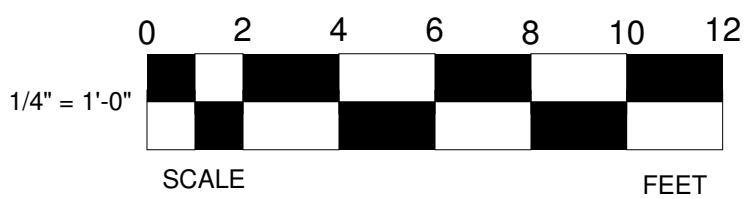
4 UNIT S1 81 OCCURANCES IN PROJECT
1/4" = 1'-0"

DATACOMM/NETWORK PLAN SYMBOL LEGEND:	
SYMBOL	DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:
WM FM	DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DUAL DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	IN-UNIT NON-METALLIC MEDIA PANEL (RECESS MOUNTED IN-WALL)
WAF	WIRELESS ACCESS POINT - PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS

Keynote Legend	
Key Value	Keynote Text
D01	SALTO STAND-ALONE ELECTRONIC UNIT LOCK WITH MOBILE CREDENTIAL CAPABILITY & SHARED CREDENTIAL WITH COMMON AREA ACCESS CONTROL SYSTEM
D24	SMART THERMOSTAT - COORDINATE LOCATION WITH MECHANICAL PLANS

DATACOMM/NETWORK NOTES

- REFER TO SHEET TD-000 FOR STANDARD DATACOMM/NETWORK DEVICE CABLING REQUIREMENTS & MOUNTING HEIGHTS
- REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING DETAIL
- REFER TO DATACOMM/NETWORK DETAIL SHEETS FOR DATACOMM/NETWORK SYSTEM DETAILS & DIAGRAMS
- 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:
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P: 720-930-7775
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PROJECT INFORMATION

SUNDAR APARTMENTS

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2024

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER: Designer

SYSTEM REVIEWER: Checker

ECS JOB NUMBER: EC-1023

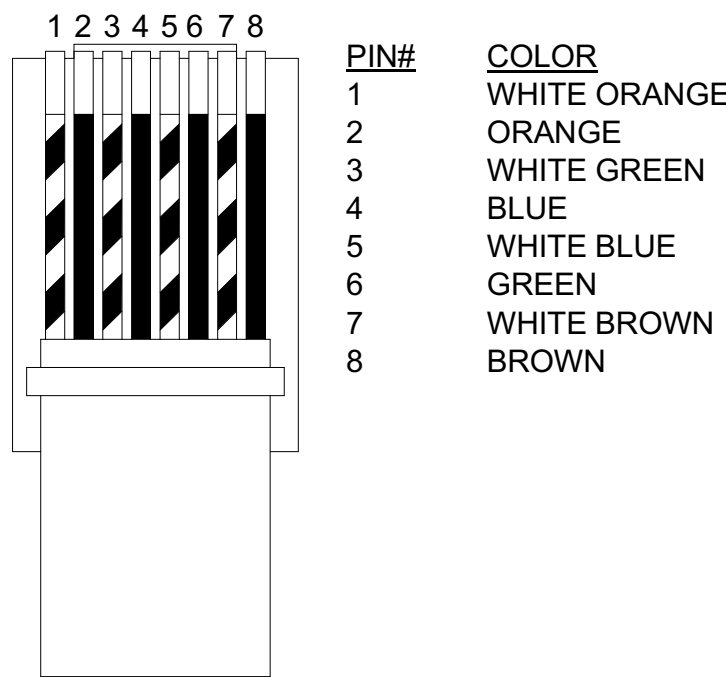
SHEET INFORMATION

SHEET TITLE: DATACOMM SYSTEM UNIT PLANS

SHEET NUMBER:

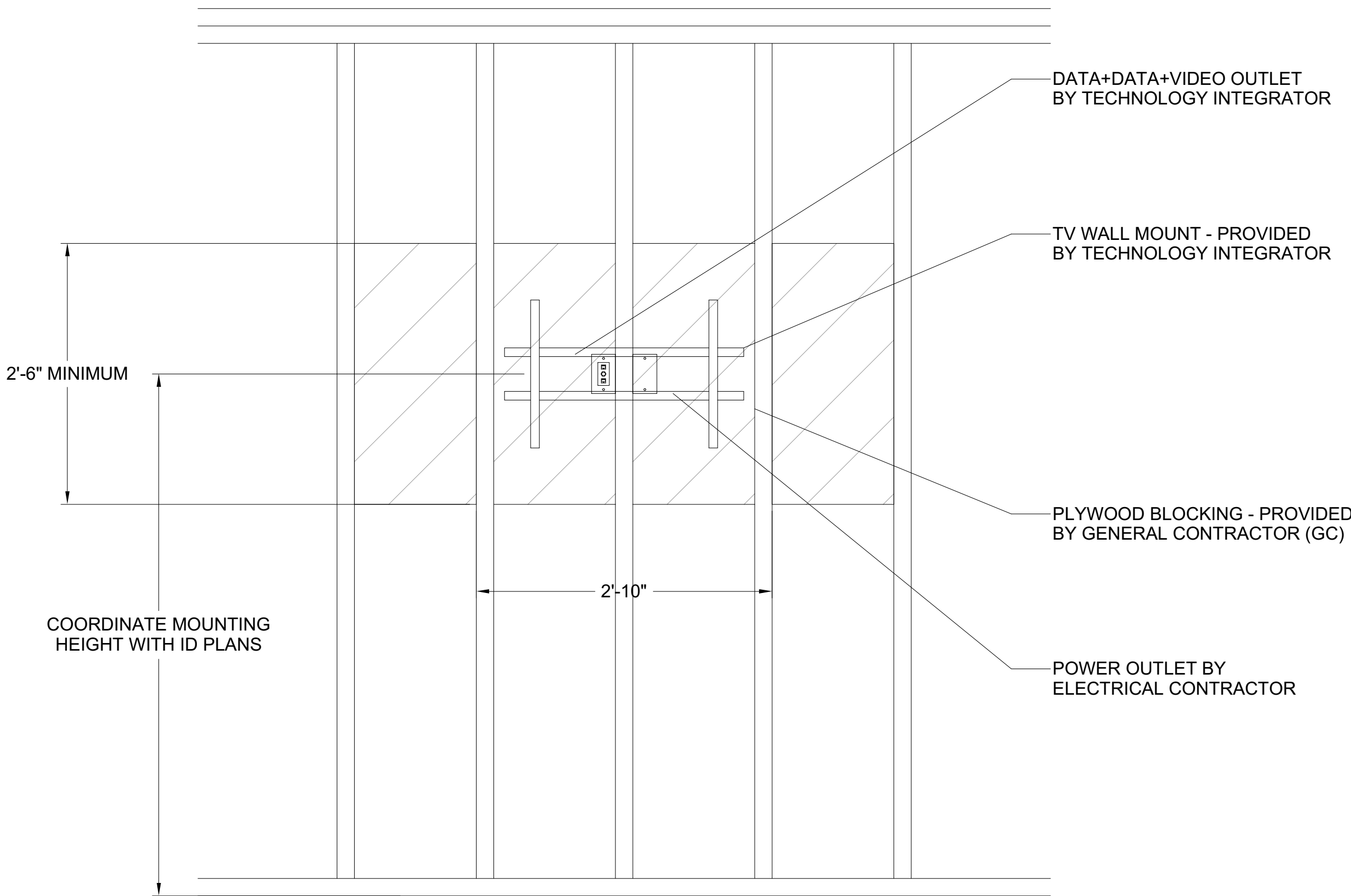
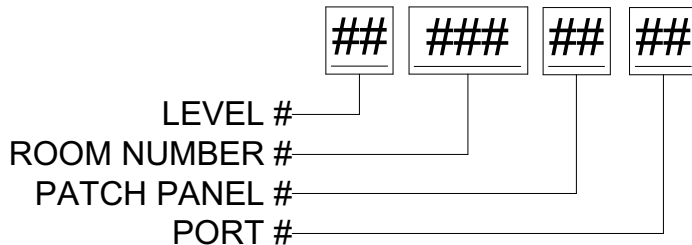
TD-401

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



T-568B RJ-45 TERMINATIONS TO BE USED IN COMMON AREAS

CABLE ID/LABELING GUIDE



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

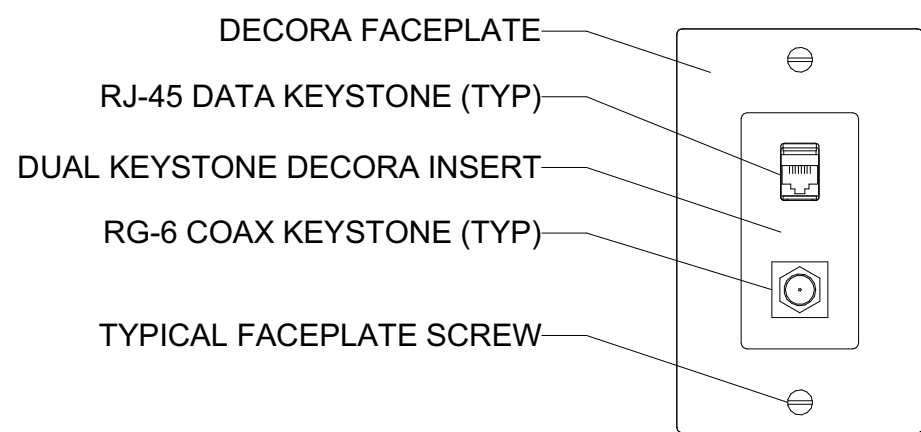
DATACOMM/NETWORK NOTES

- REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING DETAIL
- REFER TO DATACOMMM/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
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSALLING CONTRACTOR
- ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL OUTLES IN MDF/IDF ROOMS AS SPECIFIED & LOCATE PER DETAIL DIMENSIONS
- SERVICE PROVIDER & SYSTEMS NETWORK BACKBONE CONDUIT TO BE LIMITED TO 270° OF BENDS BETWEEN PULL POINTS & ALL 90° BENDS TO BE 36" MINIMUM RADIUS
- ELECTRICAL CONTRACTOR TO PROVIDE #6 COPPER GROUND AT EACH MDF/IDF ROOM - TO BE LOCATED ADJACENT TO THE SERVICE PROVIDER TERMINATIONS
- GENERAL CONTRACTOR TO PROVIDE FIRE-RATED PLYWOOD BACK-BOARD SHOWN
- 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

1 RJ-45 PINNING & LABELING DETAIL
NTS

2 WALL MOUNTED TV BLOCKING DETAIL
NTS

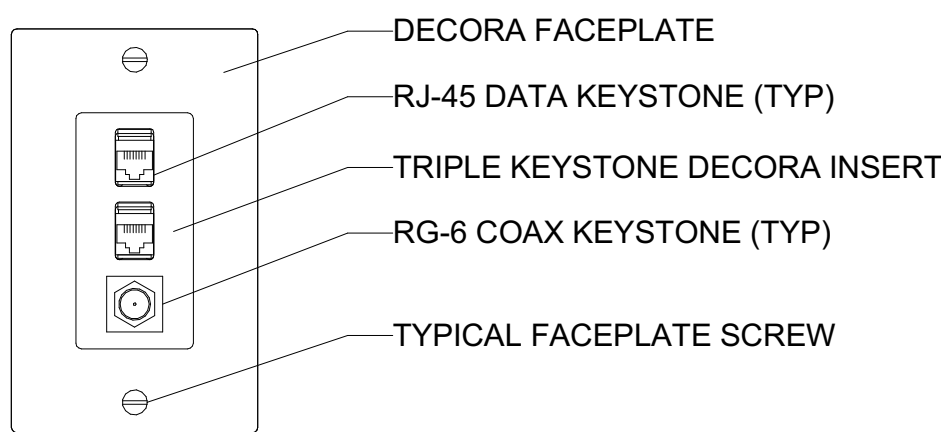
SINGLE DATA + VIDEO OUTLET



OUTLET CONNECTIONS: 1 DATA, 1 VIDEO CONNECTIONS

QTY	DESCRIPTION
1	RJ-45 DATA KEYSTONES
1	UL LISTED CAT-6 CABLES
1	RG6 COAX KEYSTONE
1	UL LISTED COAX CABLE

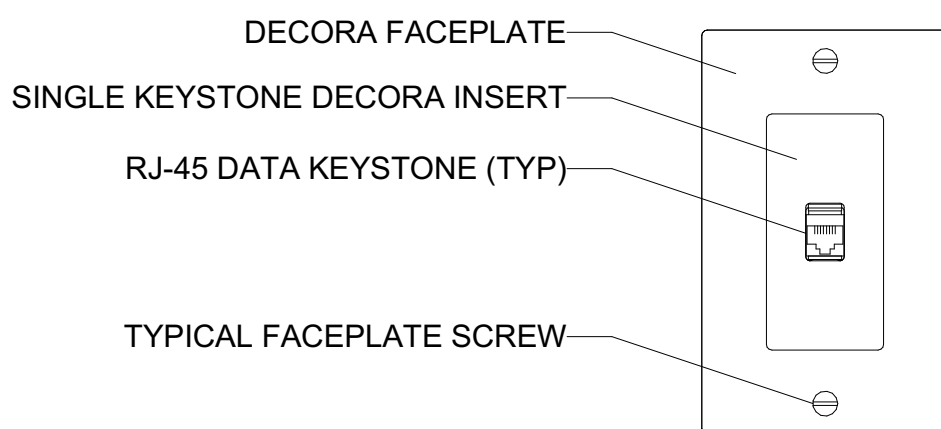
DUAL DATA + VIDEO OUTLET



OUTLET CONNECTIONS: 2 DATA, 1 VIDEO CONNECTIONS

QTY	DESCRIPTION
2	RJ-45 DATA KEYSTONES
2	UL LISTED CAT-6 CABLES
1	RG6 COAX KEYSTONE
1	UL LISTED COAX CABLE

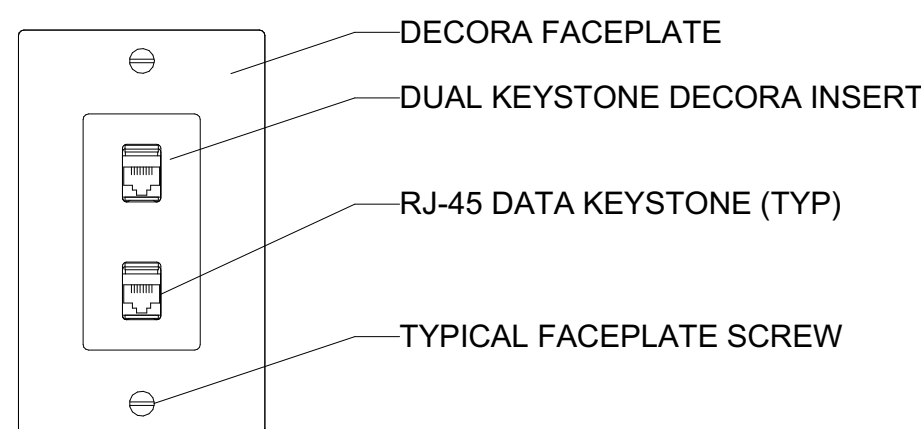
SINGLE DATA OUTLET



OUTLET CONNECTIONS: 1 DATA CONNECTION

QTY	DESCRIPTION
1	RJ-45 DATA KEYSTONE
1	UL LISTED CAT-6 CABLE

DUAL DATA OUTLET



OUTLET CONNECTIONS: 2 DATA CONNECTIONS

QTY	DESCRIPTION
2	RJ-45 DATA KEYSTONES
2	UL LISTED CAT-6 CABLES

3 DATA & VIDEO FACEPLATE DETAILS
NTS

4 DATA FACEPLATE DETAILS
NTS

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR APARTMENTS

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2024

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER: Checker

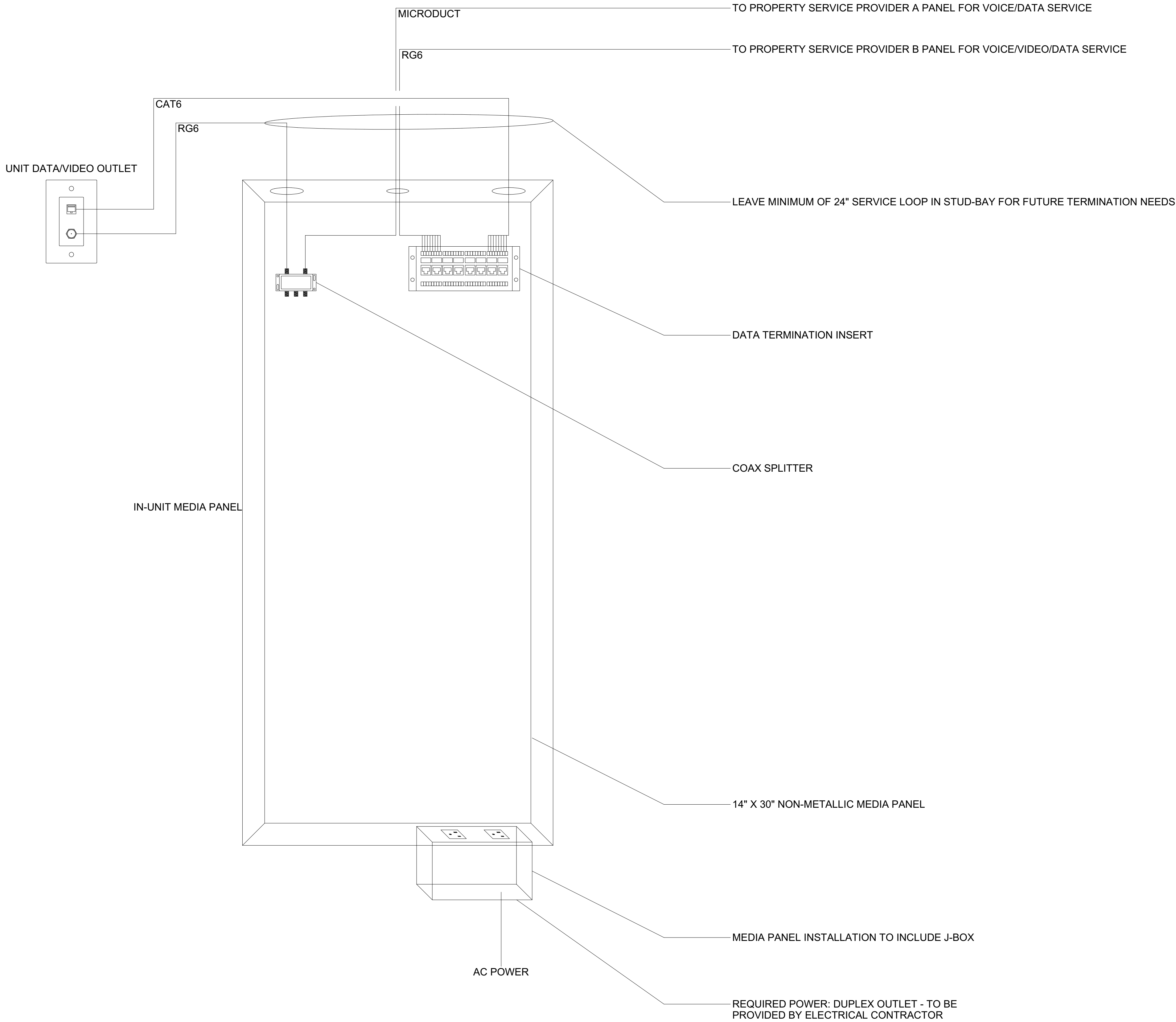
ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: DATACOMM/NETWORK SYSTEM DETAILS

SHEET NUMBER:

TD-500



1 14X30 NON-METALLIC MEDIA PANEL DIAGRAM
NTS

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

CABLE LEGEND

LINE TYPE	DESCRIPTION	
CAT6	CAT6	1-CAT6 CABLE FOR DATA/NETWORK DEVICE INTERCONNECT & NETWORK DEVICE INTERCONNECT
2-CAT6	2-CAT6	2-CAT6 CABLES (1-PAIR TO EACH LEVEL) FOR NETWORK DEVICE INTERCONNECT
MMFIBER	MMFIBER	1-MULTIMODE FIBER FOR NETWORK DEVICE INTERCONNECT - 4" DARK FIBERS TO BE INCLUDED FOR FUTURE NETWORK EXPANSION
RG6	RG6	1-RG6 CABLE FOR VIDEO DEVICE INTERCONNECT

DATACOMM/NETWORK NOTES

- REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING DETAIL
- 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
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
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- ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL OUTLES IN MDF/IDF ROOMS AS SPECIFIED & LOCATE PER DETAIL DIMENSIONS
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PROJECT ARCHITECT

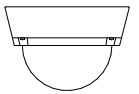
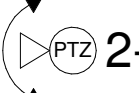

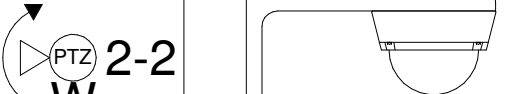
TECHNOLOGY CONSULTANT

DENVER | CO
P: 720-930-7775
O: 855-255-5521
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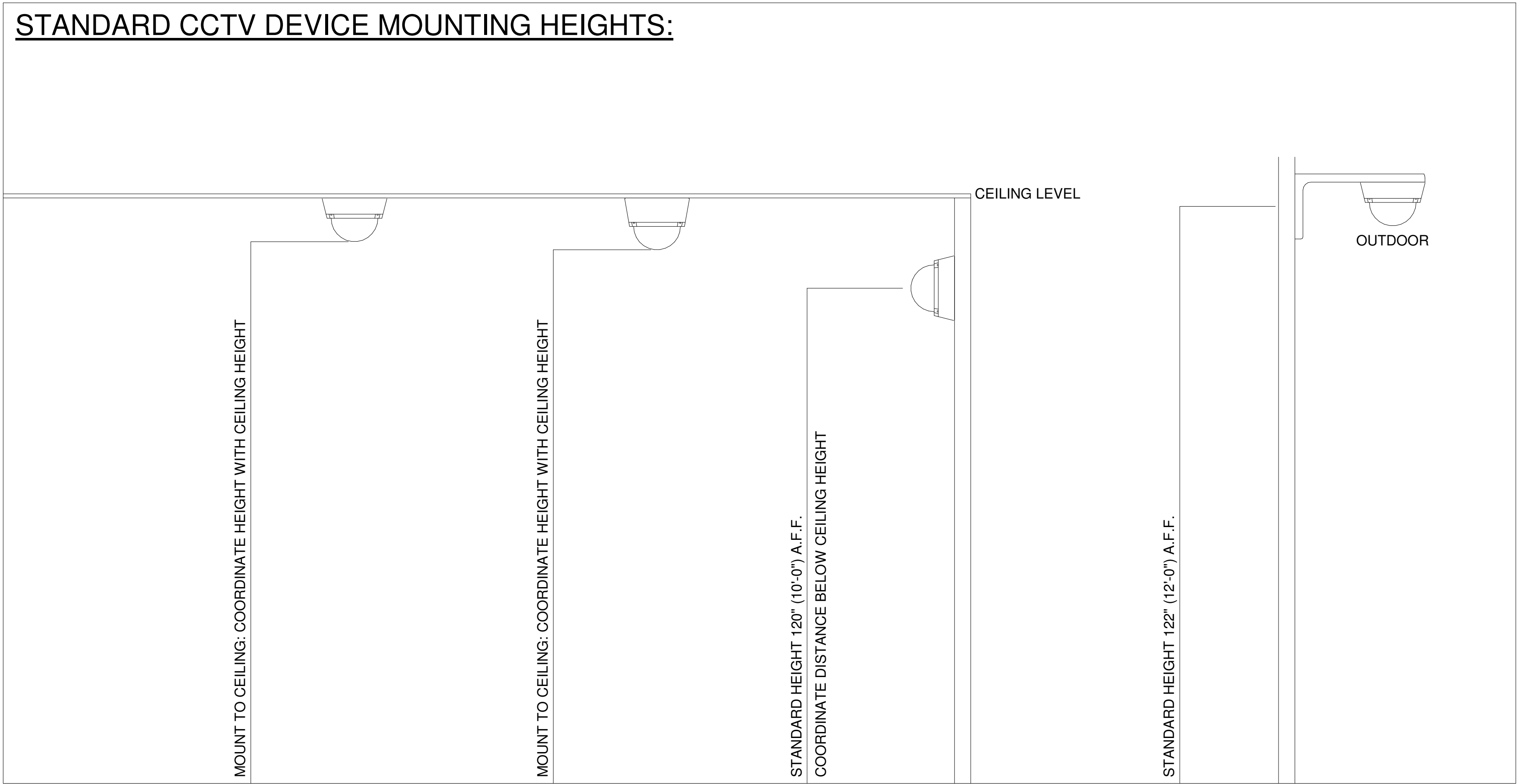
SUNDAR APARTMENTS
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE:	DATE:
IFC SET	06.11.2029
REVISION:	DATE:
DESIGNER:	Designer
SYSTEM REVIEWER:	Checker
ECS JOB NUMBER:	EC-1023
SHEET INFORMATION	
SHEET TITLE:	
DATACOMM/NETWORK SYSTEM DETAILS	
SHEET NUMBER:	

CCTV CAMERA SYSTEM DRAWING INDEX			
Sheet Number	Sheet Description	Issuance Title	Issue Date
Technology Set - CCTV Camera System Sheets			
TC-000	CCTV SYSTEM COVER SHEET	IFC SET	06.11.2021
TC-010	SITE PLAN - CCTV SYSTEM LAYOUT	IFC SET	06.11.2021
TC-101	BUILDING 2 - LEVEL 1 - CCTV SYSTEM LAYOUT	IFC SET	06.11.2021
TC-500	CCTV SYSTEM SCHEDULE & DETAIL	IFC SET	06.11.2021

CCTV PLAN SYMBOL LEGEND:			
SYMBOL	ELEVATION	CCTV SYSTEM DEVICE DESCRIPTION:	DEVICE REQUIRED CABLING:
<div>NVR</div>		CCTV SYSTEM NETWORK VIDEO RECORDER (NVR) (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET	1-CAT6 TO NETWORK PATCH PANEL
<div>1-1</div>		CEILING MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)	1-CAT6 TO ASSOCIATED POE PATCH PANEL
<div>2-1</div>		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
<div>1-2</div>		WALL MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)	1-CAT6 TO ASSOCIATED POE PATCH PANEL
<div>2-2</div>		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
<div>J</div>		SIZING AS NEEDED	2-GANG BOX FOR ACCESS TO CCTV DEVICE FROM CONDUIT

STANDARD CCTV DEVICE MOUNTING HEIGHTS:



PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



EVERBASE
CONSULTING SOLUTIONS

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

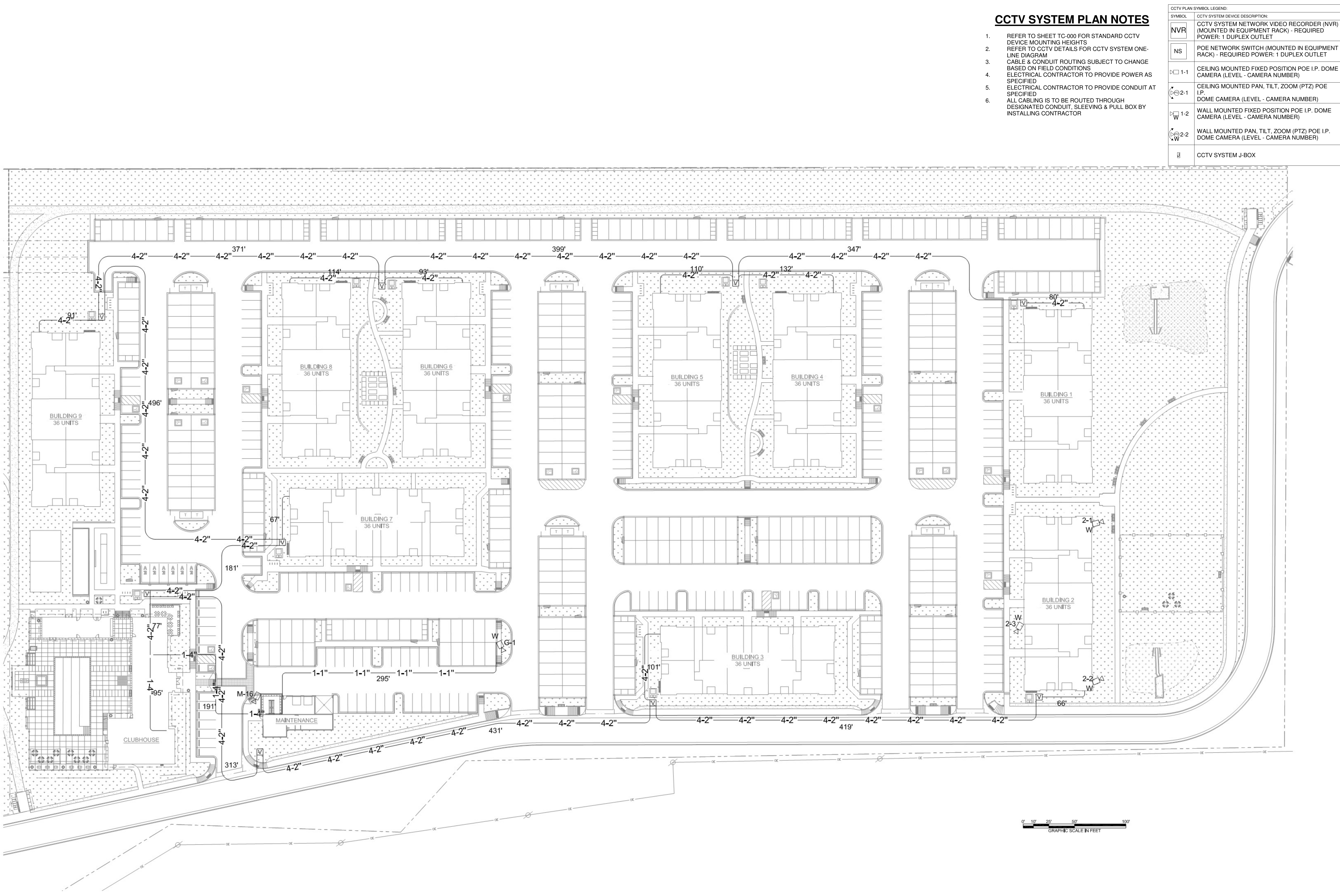
PROJECT INFORMATION

SUNDAR APARTMENTS

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE:	DATE:
IFC SET	06.11.2021
REVISION:	DATE:
DELTA:	
SYSTEM DESIGNER:	Designer
SYSTEM REVIEWER:	Checker
ECS JOB NUMBER:	EC-1023
SHEET INFORMATION	
SHEET TITLE:	
CCTV SYSTEM COVER SHEET	
SHEET NUMBER:	

TC-000



CCTV SYSTEM PLAN NOTES

- 1. REFER TO SHEET TC-000 FOR STANDARD CCTV DEVICE MOUNTING HEIGHTS
- 2. REFER TO CCTV DETAILS FOR CCTV SYSTEM ONE-LINE DIAGRAM
- 3. CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- 4. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- 5. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AT SPECIFIED
- 6. ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR

CCTV PLAN SYMBOL LEGEND:	
SYMBOL	CCTV SYSTEM DEVICE DESCRIPTION:
NVR	CCTV SYSTEM NETWORK VIDEO RECORDER (NVR) (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET
NS	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET
1-1	CEILING MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
2-1	CEILING MOUNTED PAN, TILT, ZOOM (PTZ) POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
1-2	WALL MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
2-2	WALL MOUNTED PAN, TILT, ZOOM (PTZ) POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
J	CCTV SYSTEM J-BOX

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

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PROJECT INFORMATION

SUNDAR APARTMENTS
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: IFC SET
DATE: 06.11.2021

REVISION: DATE: DELTA:

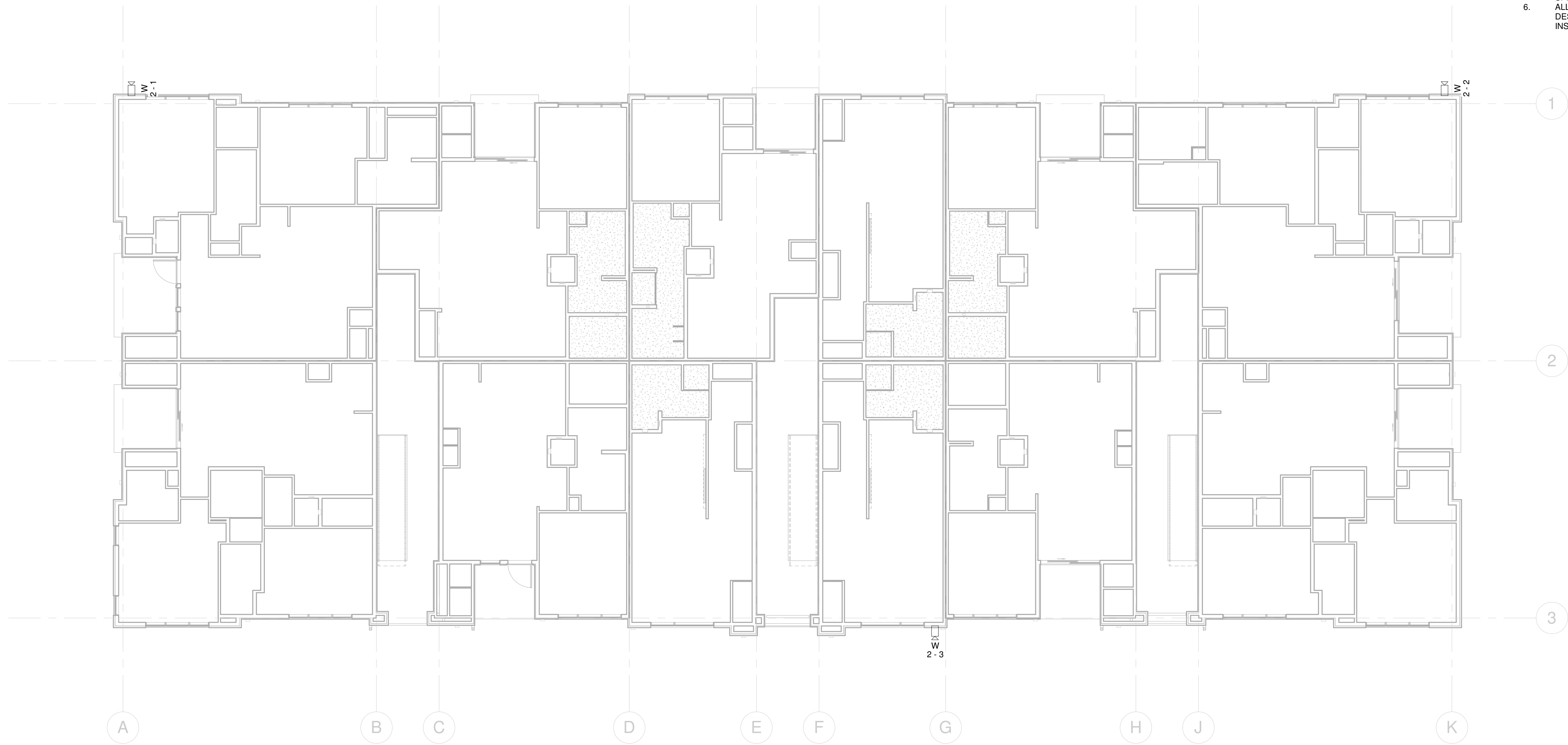
SYSTEM DESIGNER: Designer
SYSTEM REVIEWER: Checker
ECS JOB NUMBER: EC-1023

SHEET INFORMATION
SHEET TITLE:

SITE PLAN - CCTV SYSTEM LAYOUT

SHEET NUMBER:

TC-010

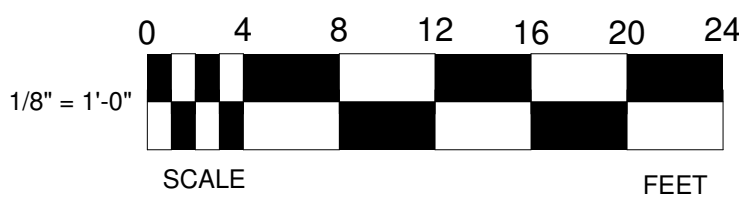


1 BUILDING 2 - LEVEL 1 - CCTV LAYOUT
1/8" = 1'-0"

CCTV PLAN SYMBOL LEGEND:	
SYMBOL	CCTV SYSTEM DEVICE DESCRIPTION:
NVR	CCTV SYSTEM NETWORK VIDEO RECORDER (NVR) (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET
NS	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET
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2-1	CEILING MOUNTED PAN, TILT, ZOOM (PTZ) POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
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J	CCTV SYSTEM J-BOX

CCTV SYSTEM PLAN NOTES

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- REFER TO CCTV DETAILS FOR CCTV SYSTEM ONE-LINE DIAGRAM
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- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AT SPECIFIED
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR



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REVISION: DATE: DELTA:

SYSTEM DESIGNER: Designer

SYSTEM REVIEWER: Checker

ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: BUILDING 2 - LEVEL 1 - CCTV SYSTEM LAYOUT

SHEET NUMBER:

TC-101

CCTV DEVICE SCHEDULE									
BLDG + LEVEL	CAMERA LOCATION	NETWORK SWITCH IN ROOM	VC	-ID	CAMERA MOUNTING	CAMERA RESOLUTION	LENSE TYPE	NOTES	
BLDG 2 - LEVEL 1	RESIDENTIAL BUILDING 2	BLDG 2	2	1	WALL MOUNTED - FIXED POSITION	4K / 8 MP (3840 X 2160)	2.8 - 9 mm Varifocal	WIDE DYMANIC RANGE	
BLDG 2 - LEVEL 1	RESIDENTIAL BUILDING 2	BLDG 2	2	2	WALL MOUNTED - FIXED POSITION	4K / 8 MP (3840 X 2160)	2.8 - 9 mm Varifocal	WIDE DYMANIC RANGE	
BLDG 2 - LEVEL 1	RESIDENTIAL BUILDING 2 DRIVE PATH	BLDG 2	2	3	WALL MOUNTED - FIXED POSITION	4K / 8 MP (3840 X 2160)	2.8 - 9 mm Varifocal	WIDE DYMANIC RANGE	
GARAGE 15 - LEVEL 1	GARAGE 15 BUILDING - DRIVE PATH	MAIL/MAINT ROOM	G	1	WALL MOUNTED - FIXED POSITION	4K / 8 MP (3840 X 2160)	2.8 - 9 mm Varifocal	WIDE DYMANIC RANGE	

CCTV PLAN SYMBOL LEGEND:	
SYMBOL	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 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

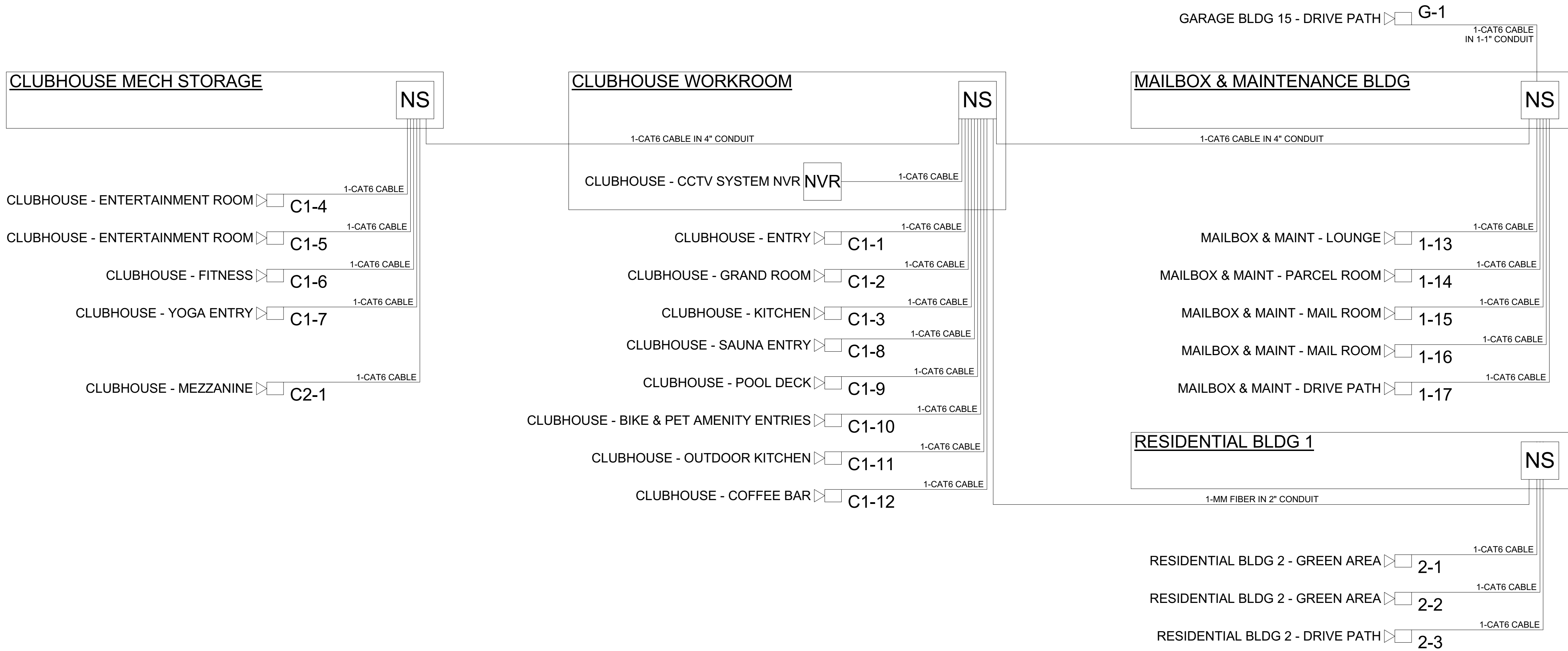
CCTV CABLE LEGEND

LINE TYPE	DESCRIPTION
CAT6	1-CAT6 CABLE FOR CCTV DEVICE INTERCONNECT \$ NETWORK DEVICE INTERCONNECT
MMFIBER	1-MULTIMODE FIBER FOR NETWORK DEVICE INTERCONNECT *4 DARK FIBERS TO BE INCLUDED FOR FUTURE NETWORK EXPANSION

CCTV SYSTEM PLAN NOTES

- REFER TO SHEET TC-000 FOR STANDARD CCTV DEVICE MOUNTING HEIGHTS
- REFER TO CCTV DETAILS FOR CCTV SYSTEM ONE-LINE DIAGRAM
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AT SPECIFIED
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR

1 CCTV SYSTEM CONNECTIVITY DIAGRAM NTS



2 CCTV SYSTEM ONE-LINE DIAGRAM NTS

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR APARTMENTS

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2029

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER: Designer

SYSTEM REVIEWER: Checker

ECS JOB NUMBER: EC-1023

SHEET INFORMATION


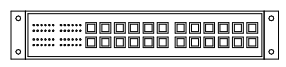



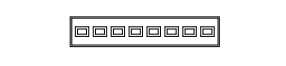
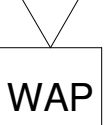
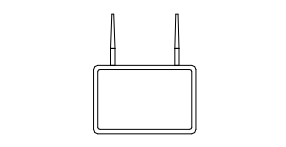
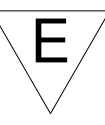
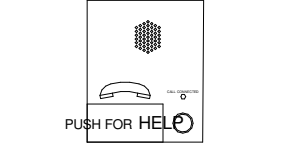
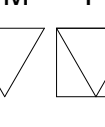
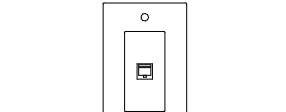
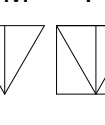
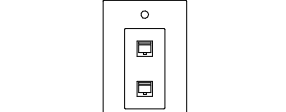
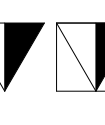
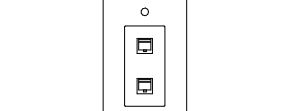
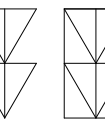
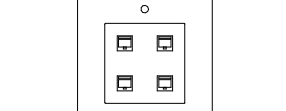
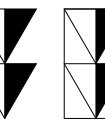
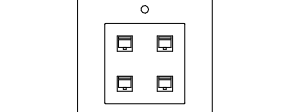
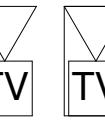
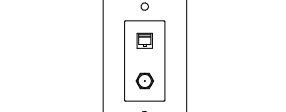
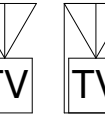
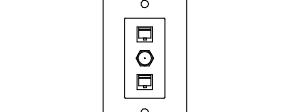

SHEET TITLE: CCTV SYSTEM SCHEDULE & DETAIL

SHEET NUMBER:

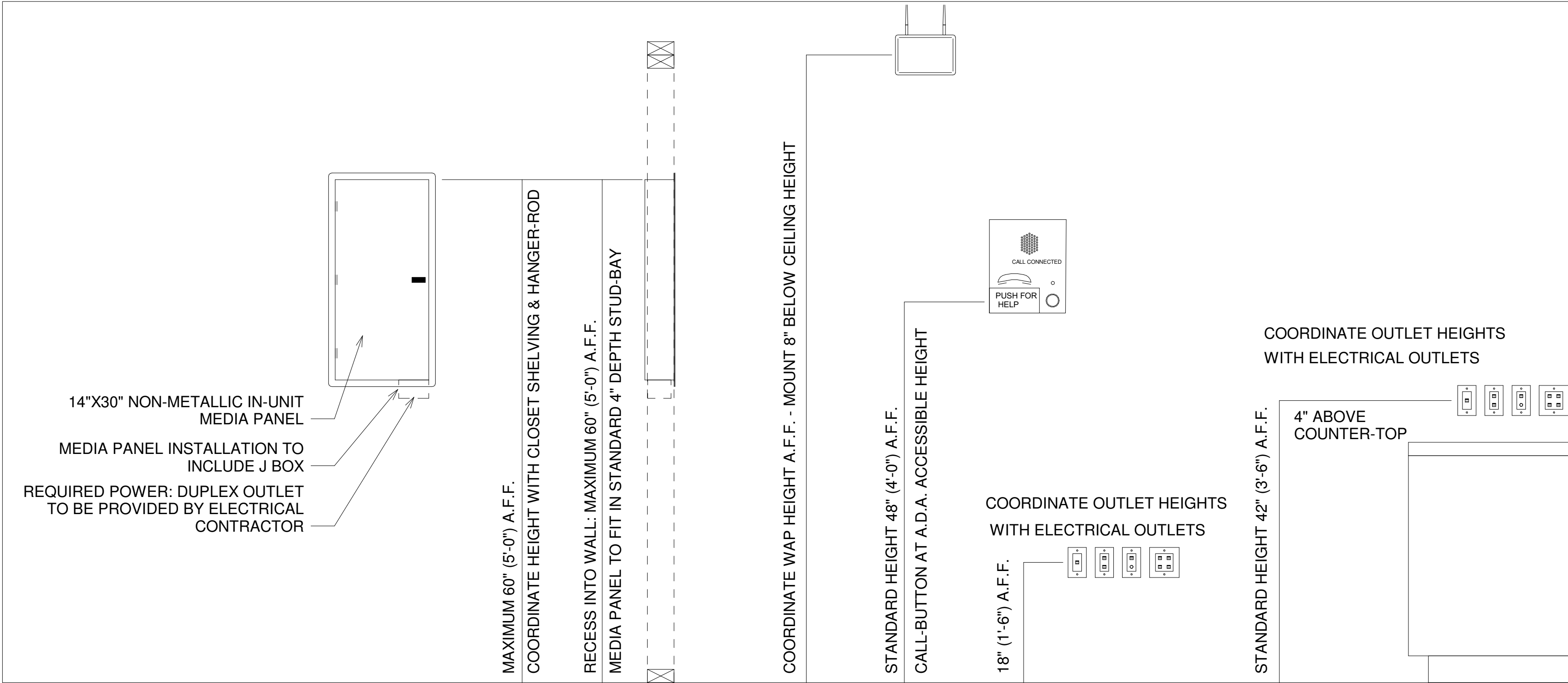
TC-500

DATA COMM/NETWORK SYSTEM DRAWING INDEX

Sheet Number	Sheet Description	Issuance Title	Issue Date
Technology Set - DataComm/Network System Sheets			
TD-000	DATACOMM/NETWORK SYSTEM COVER SHEET	IFC SET	06.11.2021
TD-010	SITE PLAN - DATACOMM LAYOUT	IFC SET	06.11.2021
TD-101	LEVEL 1 - DATACOMM SYSTEM LAYOUT	IFC SET	06.11.2021
TD-102	MEZZANINE - DATACOMM SYSTEM LAYOUT	IFC SET	06.11.2021
TD-200	DATACOMM/NETWORK MDF/IDF ELEVATIONS	IFC SET	06.11.2021
TD-500	DATACOMM/NETWORK SYSTEM DETAILS	IFC SET	06.11.2021
TD-501	DATACOMM/NETWORK SYSTEM DETAILS	IFC SET	06.11.2021
TD-600	NETWORK ONE-LINE DIAGRAM	IFC SET	06.11.2021

DATACOMM/NETWORK PLAN SYMBOL LEGEND:			
SYMBOL	ELEVATION	DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:	DEVICE REQUIRED CABLING:
		POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)	1-CAT6 TO PRIMARY NETWORK PATCH PANEL - REQUIRED POWER: 1 DUPLEX OUTLET (REFER TO SHEET TD-600 FOR NETWORK DETAIL)
		NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)	CAT6 TO NETWORK SWITCH - REQUIRED POWER: 1 DUPLEX OUTLET (REFER TO SHEET TD-600 FOR NETWORK DETAIL)
		NETWORK ETHERNET FIBER SWITCH (LOCATED IN EQUIPMENT RACK)	1-CAT6 TO PRIMARY NETWORK PATCH PANEL - REQUIRED POWER: 1 DUPLEX OUTLET (REFER TO SHEET TD-600 FOR NETWORK DETAIL)
		WIRELESS ACCESS POINT - PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS	1-CAT6 TO POE PATCH PANEL IN ASSOCIATED IDF ROOM - T-568B RJ-45 TERMINATION
		EMERGENCY PHONE (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)	1-CAT6 TO PATCH PANEL IN ASSOCIATED IDF ROOM - T-568B RJ-45 TERMINATION
		DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)	1-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
		DUAL DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)	2-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
		DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)	2-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
		QUAD DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)	4-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
		DUAL DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)	4-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
		DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)	1-RG6 & 1-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
		DATA+DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)	1-RG6 & 2-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
	SEE BELOW	IN-UNIT NON-METALLIC MEDIA PANEL (RECESS MOUNTED IN-WALL)	SEE UNIT SHEETS FOR REQUIRED WIRING FROM UNIT TO ASSOCIATED IDF - REQUIRED POWER: 1 DUPLEX OUTLET IN BASE OF ENCLOSURE

STANDARD DATACOMM/NETWORK DEVICE MOUNTING HEIGHTS:



PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR CLUBHOUSE

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: IFC SET

DATE: 06.11.2021

REVISION:

DATE:

DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER:

ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: DATACOMM/NETWORK SYSTEM COVER SHEET

SHEET NUMBER:

TD-000

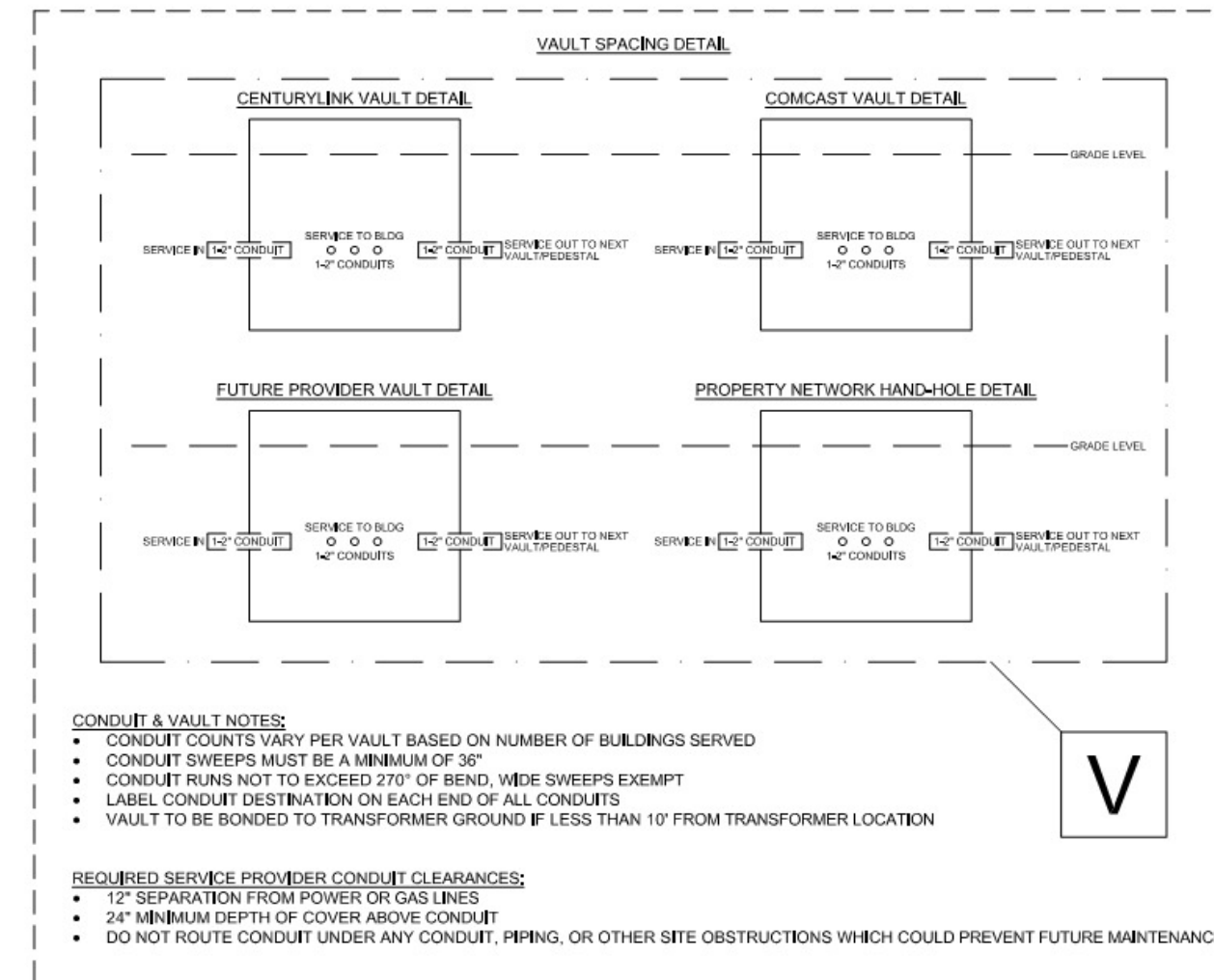
V = SERVICE PROVIDER VAULT GROUPING: SEE VAULT SPACING DETAIL













APPROXIMATE JOINT-TRENCH 4-2" CONDUIT RUN-LENGTH: 2957'
APPROXIMATE BUILDING LATERAL 4-2" CONDUIT RUN-LENGTH: 1931'
APPROXIMATE TOTAL 4-2" CONDUIT RUN-LENGTH: 3888'

APPROXIMATE PROVIDER ENTRY 1-4" CONDUIT RUN-LENGTH: TBD

APPROXIMATE BUILDING TECHNOLOGY SYSTEM INTERCONNECTION 1-4" CONDUIT RUN-LENGTH: 286'

RESIDENTIAL BUILDINGS: 36-PLEX (9 OCCURRENCES)
TOTAL UNITS IN PROJECT: 324 UNITS



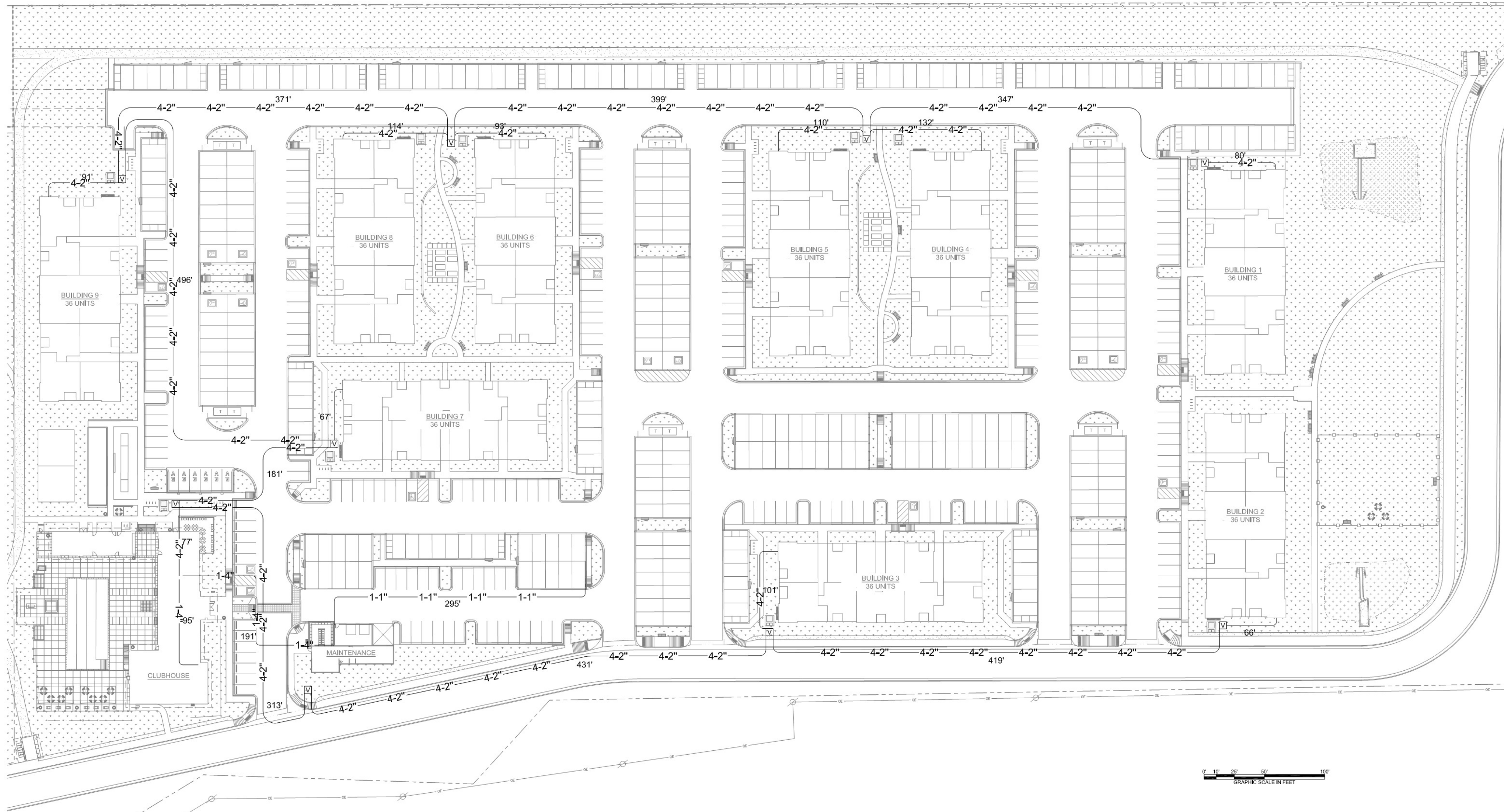
DATACOMM NETWORK PLAN SYMBOL LEGEND:	
SYMBOL	DATACOMM NETWORK SYSTEM DEVICE DESCRIPTION:
	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)
	NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)
	NETWORK ETHERNET FIBER SWITCH (LOCATED IN EQUIPMENT RACK)
	WIRELESS ACCESS POINT - PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS
	EMERGENCY PHONE (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
	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)

CONDUIT LEGEND

LINE TYPE	DESCRIPTION
1-4"	1-4" CEILING MOUNTED CONDUIT FOR SERVICE PROVIDER ENTRY (PROVIDER ALLOCATION DESIGNATED WITH KEYNOTE)
4-2"	SERVICE & SYSTEM BACKBONE CONDUIT - CEILING MOUNTED <ul style="list-style-type: none"> 1-2" WITH METERED PULL STRING FOR CENTURYLINK SERVICE DISTRIBUTION 1-2" WITH METERED PULL STRING FOR COMCAST SERVICE DISTRIBUTION 1-2" FOR FUTURE SERVICE DISTRIBUTION 1-2" FOR PROPERTY NETWORK CONNECTION

DATA COMM/NETWORK NOTES

1. REFER TO SHEET TD-000 FOR STANDARD DATA/COMM/NETWORK DEVICE CABLING REQUIREMENTS & MOUNTING HEIGHTS
2. REFER TO DATA/COMM/NETWORK FLOORPLAN SHEETS FOR BUILDING DATA/COMM/NETWORK DEVICE LAYOUT
3. REFER TO DATA/COMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & Riser ROUTING DETAIL
4. REFER TO DATA/COMM/NETWORK UNIT SHEETS FOR REQUIRED UNIT "HOME RUN" WIRING & IN-UNIT DATA/COMM/NETWORK DEVICE LAYOUT
5. REFER TO DATA/COMM/NETWORK DETAIL SHEETS FOR DATA/COMM/NETWORK SYSTEM DETAILS & DIAGRAMS
6. CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
7. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
8. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
9. ALL CABLING IS TO BE ROUTED THROUGH DENEGATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR
10. SERVICE PROVIDER & SYSTEMS NETWORK BACKBONE CONDUIT TO BE LIMITED TO 270° OF BENDS BETWEEN PULL POINTS & ALL 90° BENDS TO BE 36" MINIMUM RADIUS
11. ELECTRICAL CONTRACTOR TO PROVIDE #6 COPPER GROUND AT EACH MDF/IDF ROOM - TO BE LOCATED ADJACENT TO THE SERVICE PROVIDER TERMINATIONS
12. UNIT TERMINATIONS MUST BE WIRED TO IDF AS INDICATED, PER THIS DESIGN. * SHOULD UNITS BE WIRED TO A DIFFERENT IDF DUE TO FIELD CONDITIONS, EVERSAFE CONSULTING SOLUTIONS IS TO BE IMMEDIATELY NOTIFIED AS THIS AFFECTS THE PROVIDERS DESIGN
13. WIRELESS ACCESS POINTS TO PROVIDE PARTITIONED NETWORK ACCESS FOR PUBLIC & FOR SECURE STAFF-ONLY NETWORK ACCESS
14. BLOCKING REQUIRED AT ALL COMMON AREA TV LOCATIONS
15. COORDINATE ALL DATA OUTLET LOCATIONS IN PLAN WITH CODE COMPLIANT ELECTRICAL OUTLET LOCATIONS. ELECTRICAL OUTLET LOCATIONS ARE PRIORITY IN ANY PERCEIVED CONFLICTS OF DATA OUTLETS IN PLAN.



SITE PLAN - DATACOMM LAYOUT

$$1/48'' = 1'-0''$$

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR CLUBHOUSE
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE:	DATE:
IFC SET	06.11.202

REVISION:	DATE:	DELTA:
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SYSTEM DESIGNER:

SYSTEM REVIEWER:

ECS JOB NUMBER:

SHEET INFORMATION

SITE PLAN - DATACOMM
LAYOUT

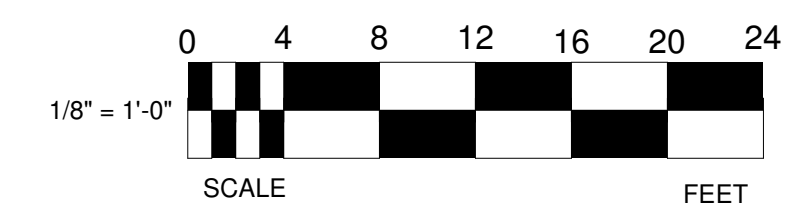
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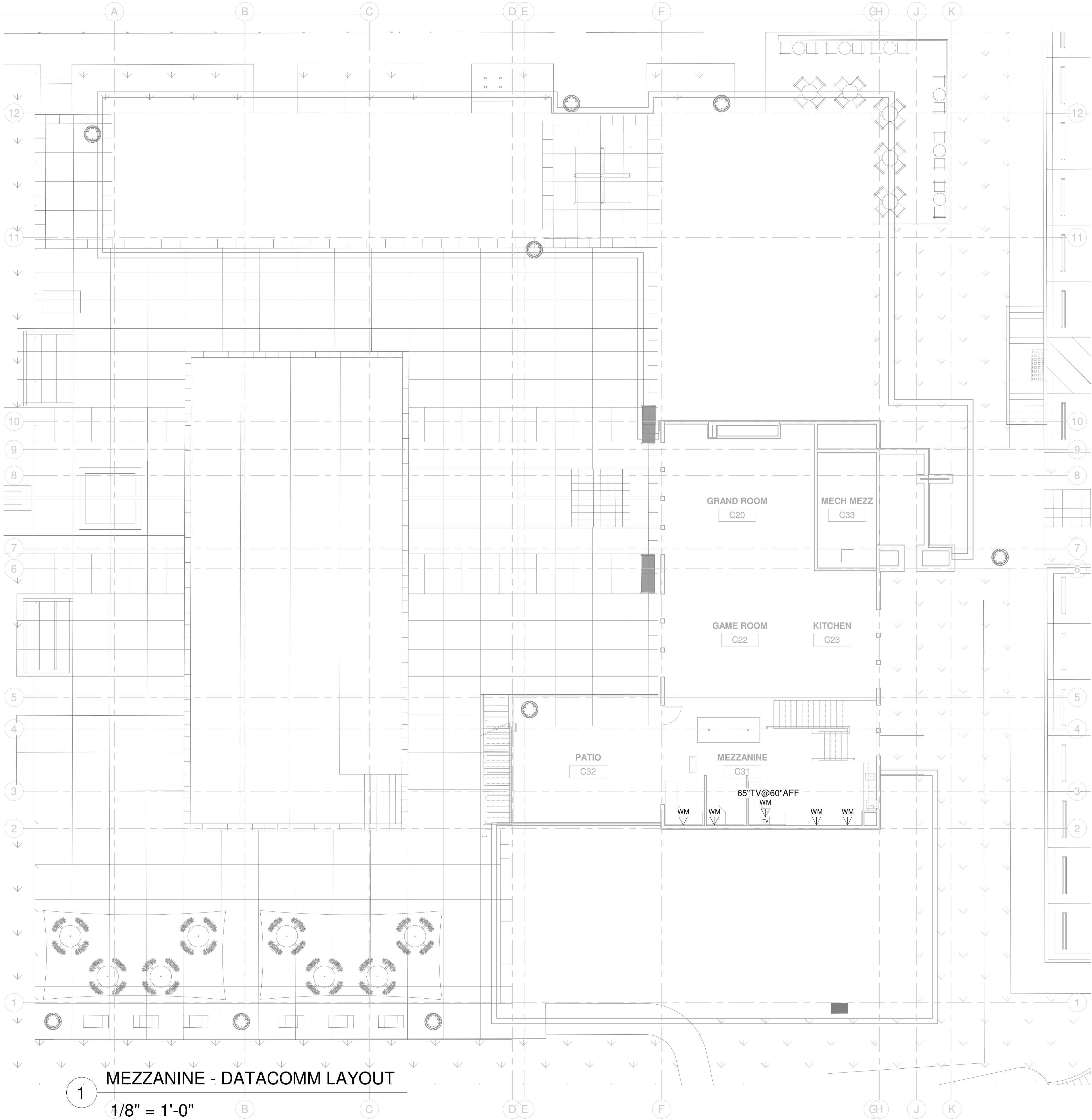
TD-010



DATACOMM/NETWORK NOTES

1. REFER TO SHEET TD-000 FOR STANDARD DATACOMM/NETWORK DEVICE CABLING REQUIREMENTS & MOUNTING HEIGHTS
2. REFER TO DATACOMM/NETWORK FLOORPLAN SHEETS FOR BUILDING DATACOMM/NETWORK DEVICE LAYOUT
3. REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR IDF/IDF ROOM LAYOUT & RISER ROUTING DETAIL
4. REFER TO DATACOMM/NETWORK UNIT SHEETS FOR REQUIRED UNIT "HOME RUN" WIRING & IN-UNIT DATACOMM/NETWORK DEVICE LAYOUT
5. REFER TO DATACOMM/NETWORK DETAIL SHEETS FOR DATACOMM/NETWORK SYSTEM DETAILS & DIAGRAMS
6. CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
7. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
8. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
9. ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CLOSET, SLEEVING & PULL BOX BY RISING CONTRACTOR
10. SERVICE PROVIDER & SYSTEMS NETWORK BACKBONE CONDUIT TO BE LIMITED TO 270° OF BENDS BETWEEN PULL POINTS & ALL 90° BENDS TO BE MINIMUM RADIUS
11. ELECTRICAL CONTRACTOR TO PROVIDE #6 COPPER GROUND AT EACH MDF/IDF ROOM - TO BE LOCATED ADJACENT TO THE SERVICE PROVIDER TERMINATIONS
12. 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
13. WIRELESS ACCESS POINTS TO PROVIDE PARTITIONED NETWORK ACCESS FOR PUBLIC & FOR SECURE STAFF-ONLY NETWORK ACCESS
14. WIRING REQUIRED AT ALL COMMON AREA TV LOCATIONS
15. COORDINATE ALL DATA OUTLET LOCATIONS IN PLAN WITH CODE COMPLIANT ELECTRICAL OUTLET LOCATIONS. ELECTRICAL OUTLET LOCATIONS ARE PRIORITY IN ANY PERCEIVED CONFLICTS OF DATA OUTLETS IN PLAN.





DATACOMM/NETWORK PLAN SYMBOL LEGEND:	
SYMBOL	DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:
NS	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)
PP	NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)
FS	NETWORK ETHERNET FIBER SWITCH (LOCATED IN EQUIPMENT RACK)
WAP	WIRELESS ACCESS POINT - PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS
E	EMERGENCY PHONE (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
WM FM	DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DUAL DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	QUAD DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DUAL DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)

DATACOMM/NETWORK NOTES

- REFER TO SHEET TD-000 FOR STANDARD DATACOMM/NETWORK DEVICE CABLING REQUIREMENTS & MOUNTING HEIGHTS
- REFER TO DATACOMM/NETWORK FLOORPLAN SHEETS FOR BUILDING DATACOMM/NETWORK DEVICE LAYOUT
- REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING DETAIL
- 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
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- ELECTRICAL CONTRACTOR TO PROVIDE #6 COPPER GROUND AT EACH MDF/IDF ROOM - TO BE LOCATED ADJACENT TO THE SERVICE PROVIDER TERMINATIONS
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- BLOCKING REQUIRED AT ALL COMMON AREA TV LOCATIONS
- COORDINATE ALL DATA OUTLET LOCATIONS IN PLAN WITH CODE COMPLIANT ELECTRICAL OUTLET LOCATIONS. ELECTRICAL OUTLET LOCATIONS ARE PRIORITY IN ANY PERCEIVED CONFLICTS OF DATA OUTLETS IN PLAN.

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



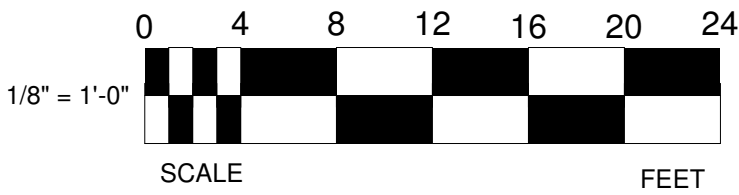
DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

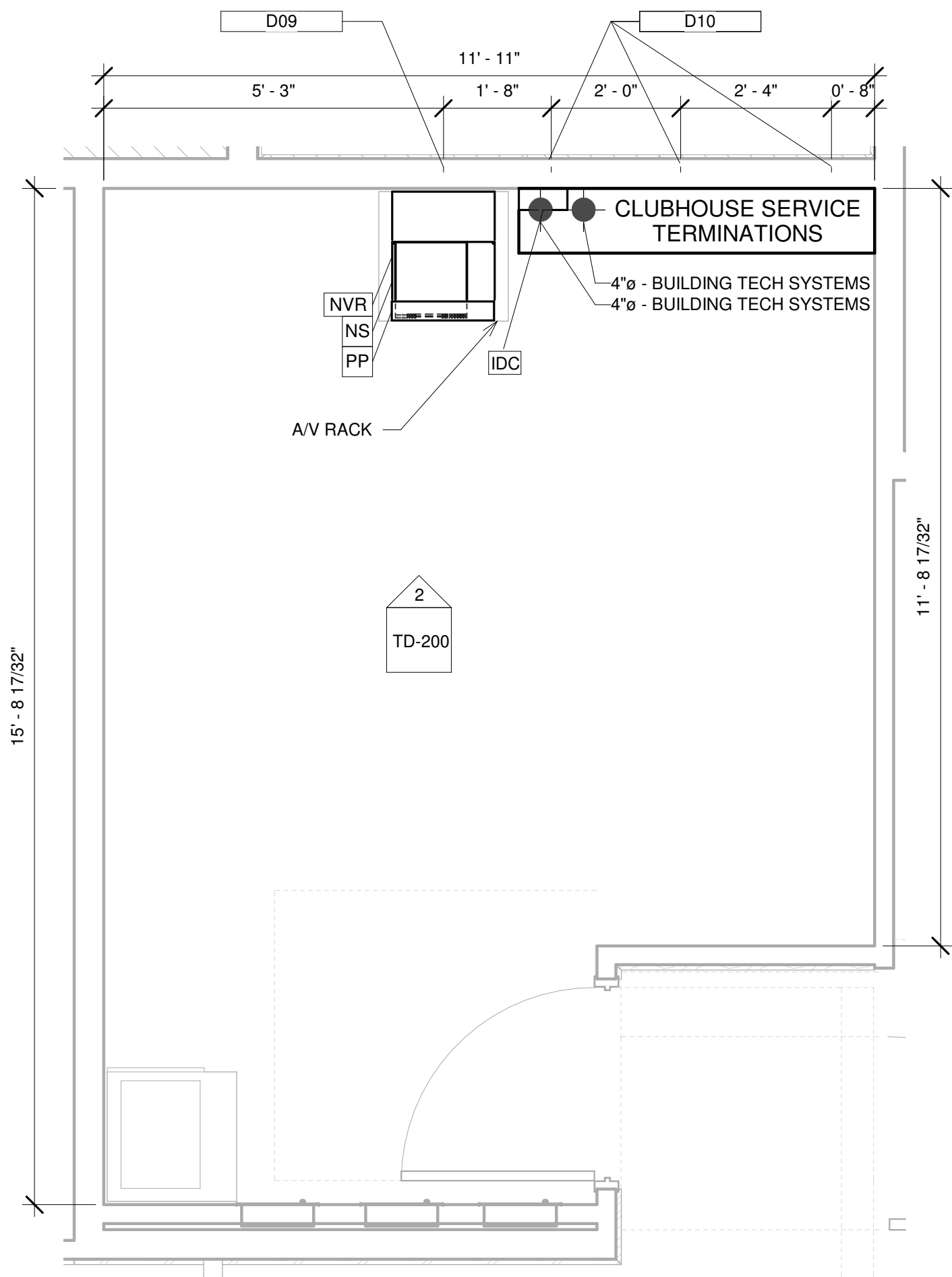
PROJECT INFORMATION

SUNDAR CLUBHOUSE

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

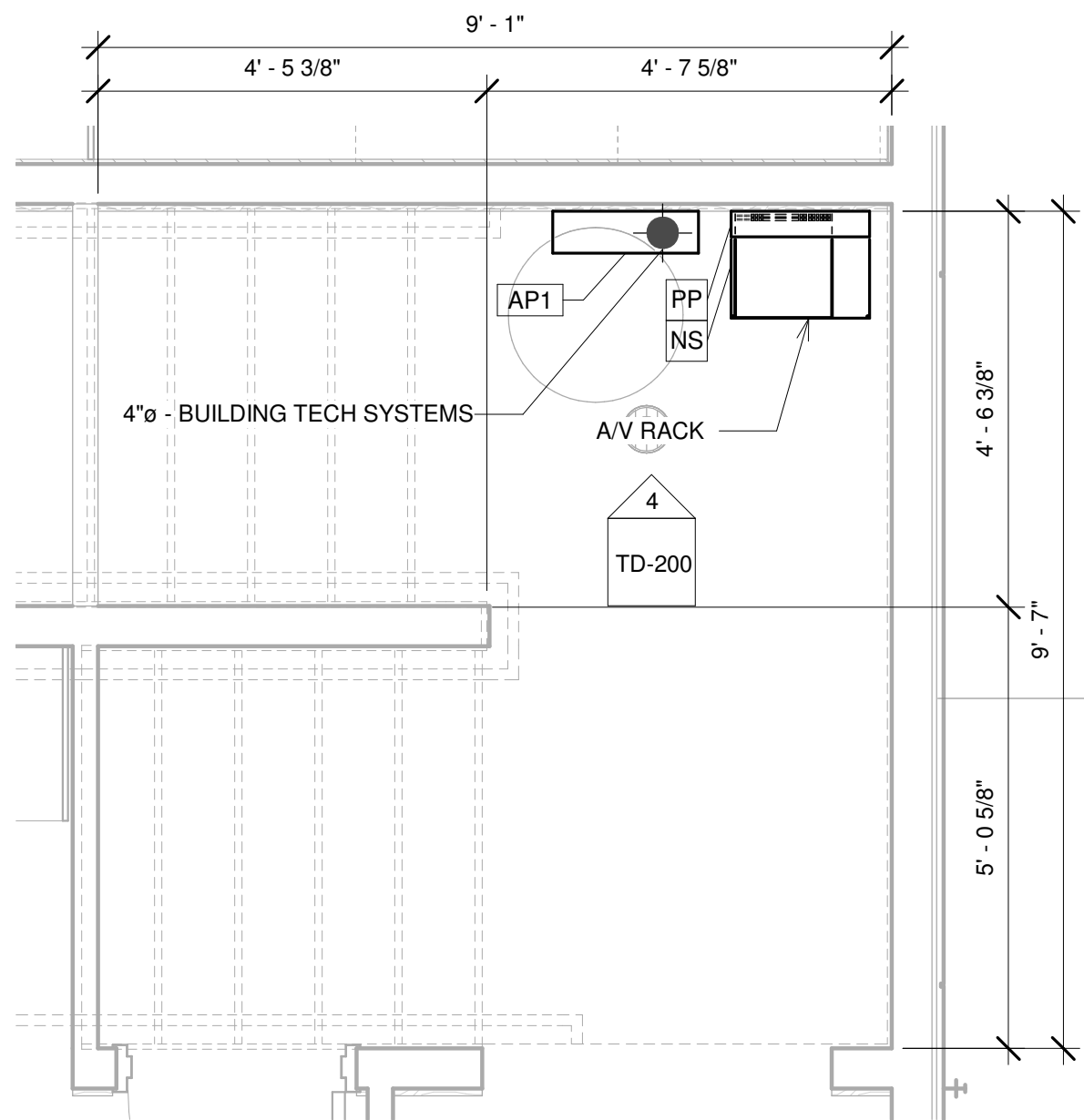
ORIGINAL ISSUANCE:	DATE:
IFC SET	06.11.2021
REVISION:	DATE:
DESIGNER:	Designer
SYSTEM REVIEWER:	Checker
ECS JOB NUMBER:	EC-1023
SHEET INFORMATION	
SHEET TITLE:	MEZZANINE - DATACOMM SYSTEM LAYOUT
SHEET NUMBER:	





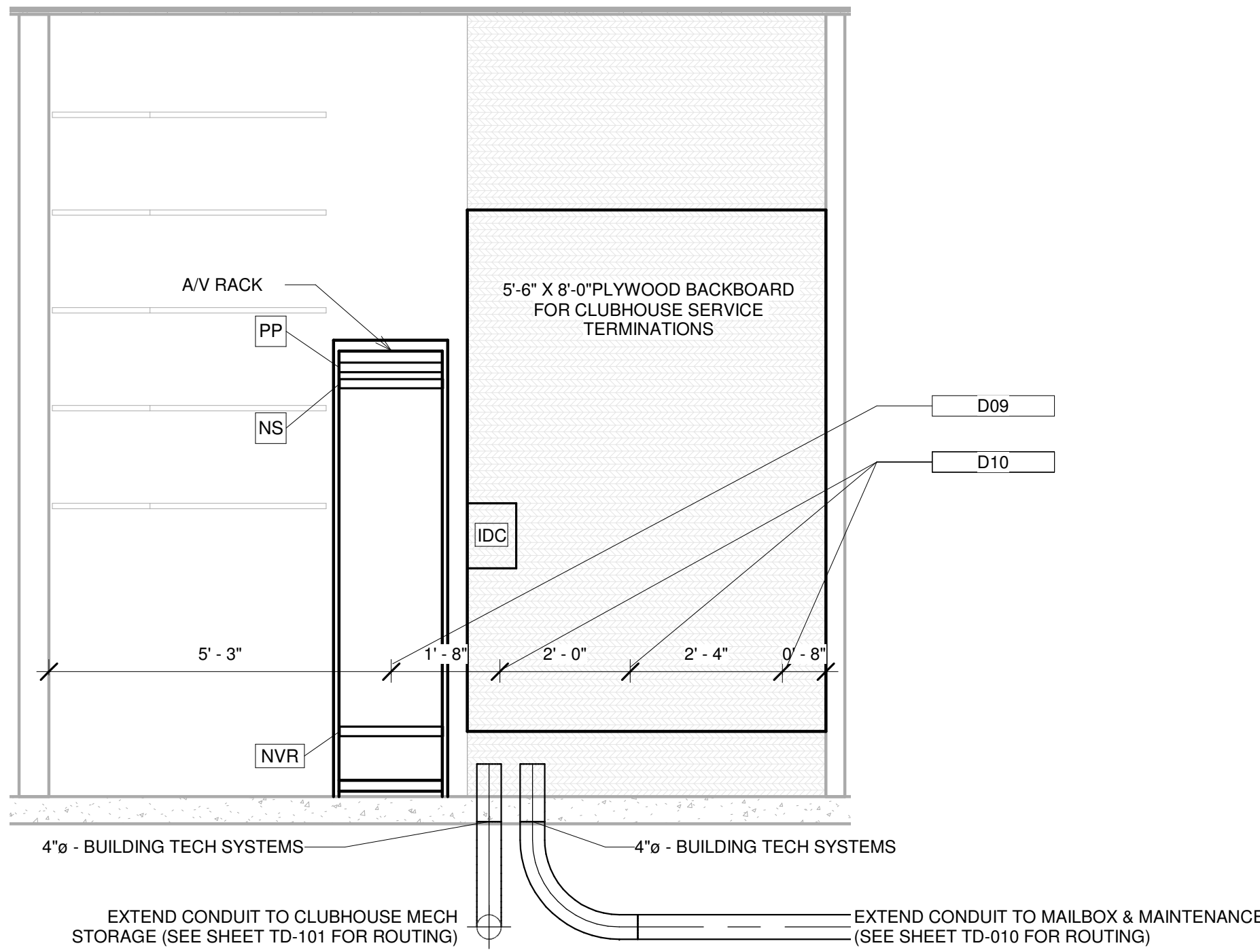
1 WORKROOM - DATACOMM LAYOUT

1/2" = 1'-0"



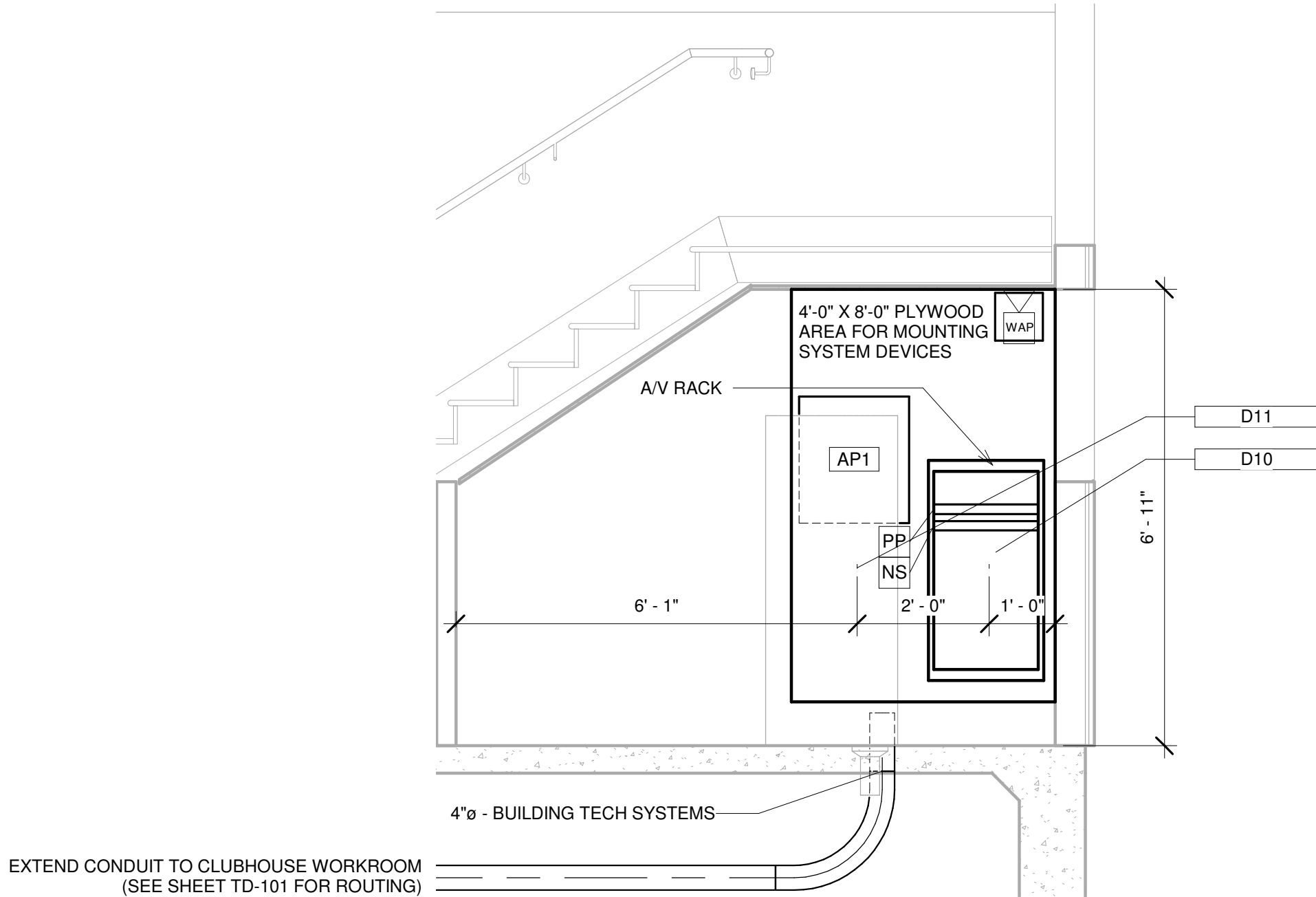
3 MECH STORAGE - DATACOMM LAYOUT

1/2" = 1'-0"



2 WORKROOM - RIGHT ELEVATION

1/2" = 1'-0"



4 MECH STORAGE - BACK ELEVATION

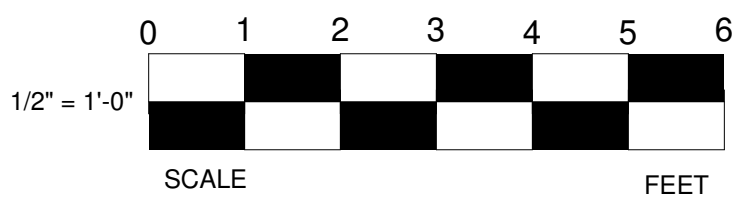
1/2" = 1'-0"

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

Keynote Legend	
Key Value	Keynote Text
D09	POWER REQUIREMENT: FOUR-PLEX RECEPTACLE ON DEDICATED 20 AMP CIRCUIT
D10	POWER REQUIREMENT: DUPLEX RECEPTACLE
D11	POWER REQUIREMENT: DUPLEX RECEPTACLE & J-BOX WITH 2 WHIPS FOR POWER SUPPLIES ON DEDICATED 20 AMP CIRCUITS

DATACOMM/NETWORK NOTES

- REFER TO SHEET TD-000 FOR STANDARD DATACOMM/NETWORK DEVICE CABLING REQUIREMENTS & MOUNTING HEIGHTS
- REFER TO DATACOMM/NETWORK FLOORPLAN SHEETS FOR BUILDING DATACOMM/NETWORK DEVICE LAYOUT
- REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING DETAIL
- 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
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE 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° BENDS TO BE 36" 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
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PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

EVERBASE
CONSULTING SOLUTIONS

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR CLUBHOUSE

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2021
IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER:

ECS JOB NUMBER: EC-1023

SHEET INFORMATION

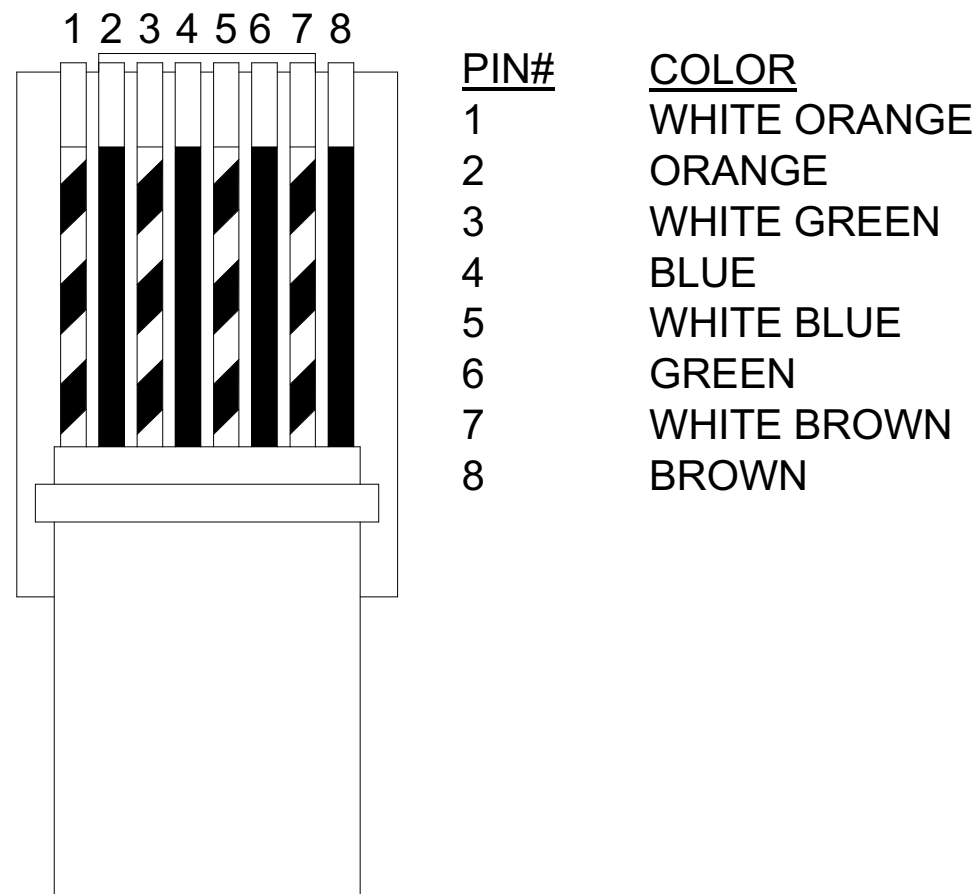
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DATACOMM/NETWORK
MDF/IDF ELEVATIONS

SHEET NUMBER:

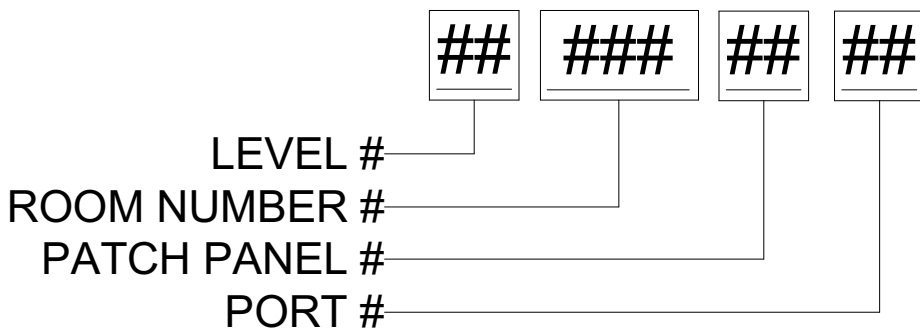
TD-200

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



T-568B RJ-45 TERMINATIONS TO BE USED IN COMMON AREAS

CABLE ID/LABELING GUIDE



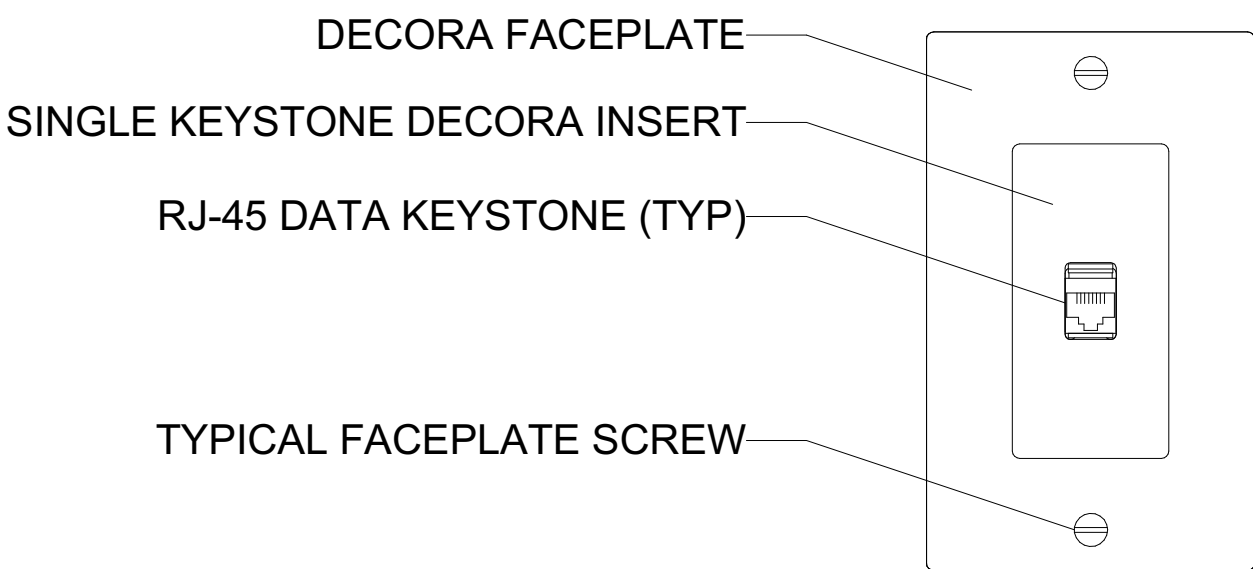
DATACOMM/NETWORK PLAN SYMBOL LEGEND:	
SYMBOL	DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:
	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)
	NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)
	NETWORK ETHERNET FIBER SWITCH (LOCATED IN EQUIPMENT RACK)
	WIRELESS ACCESS POINT - PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS
	EMERGENCY PHONE (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
	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)

DATACOMM/NETWORK NOTES

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1 RJ-45 PINNING & LABELING DETAIL NTS

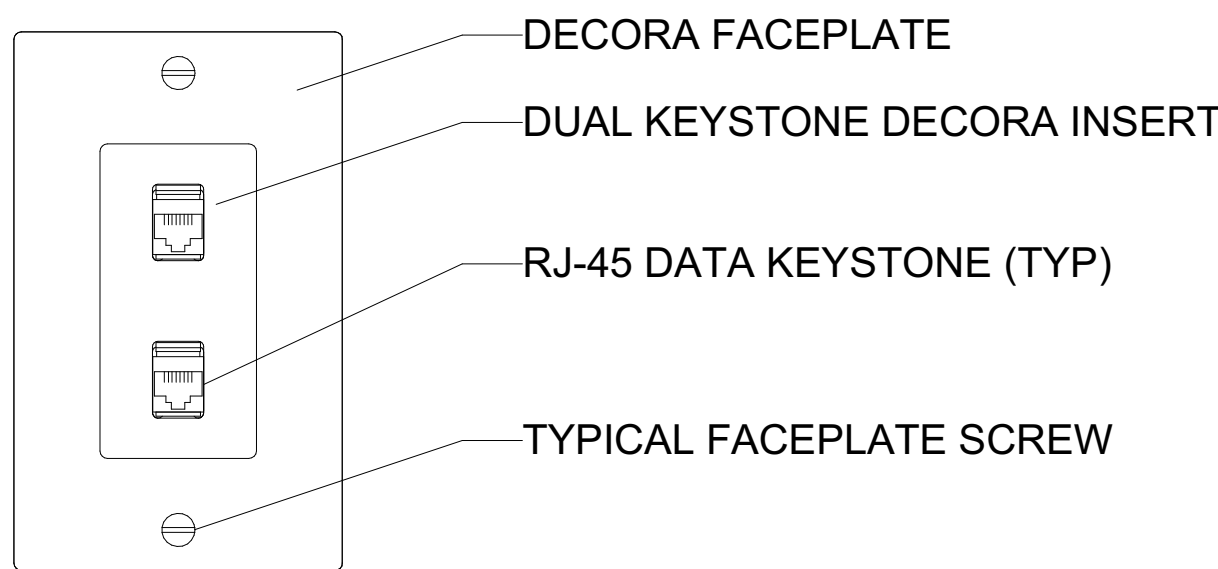
SINGLE DATA OUTLET



OUTLET CONNECTIONS: 1 DATA CONNECTION

QTY	DESCRIPTION
1	RJ-45 DATA KEYSTONE
1	UL LISTED CAT-6 CABLE

DUAL DATA OUTLET

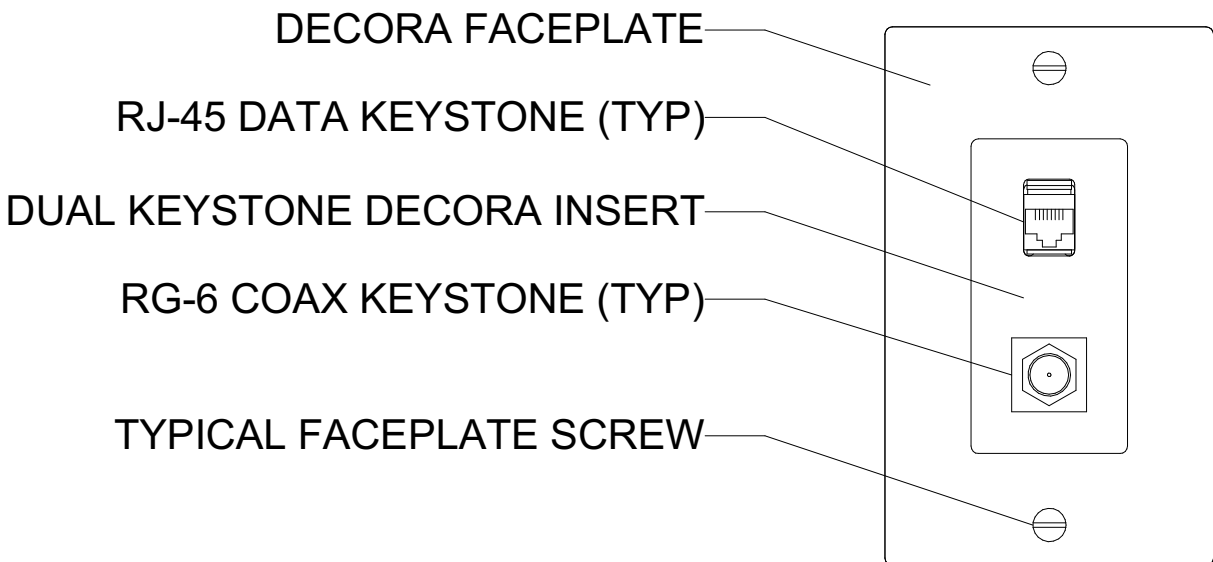


OUTLET CONNECTIONS: 2 DATA CONNECTIONS

QTY	DESCRIPTION
2	RJ-45 DATA KEYSTONES
2	UL LISTED CAT-6 CABLES

2 DATA FACEPLATE DETAILS NTS

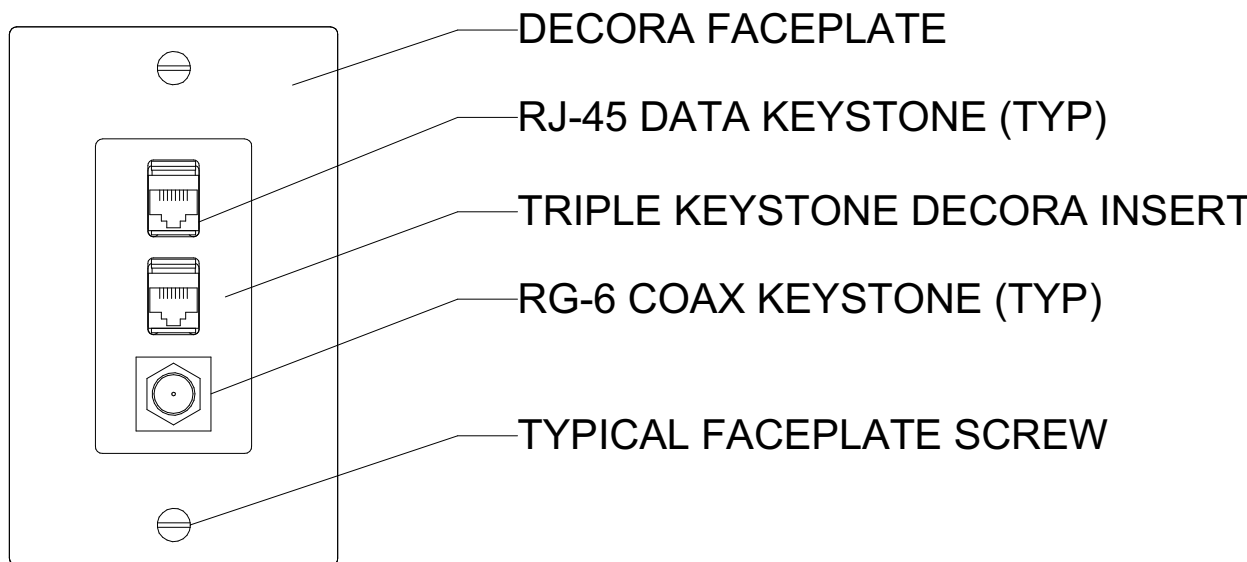
SINGLE DATA + VIDEO OUTLET



OUTLET CONNECTIONS: 1 DATA, 1 VIDEO CONNECTIONS

QTY	DESCRIPTION
1	RJ-45 DATA KEYSTONES
1	UL LISTED CAT-6 CABLES
1	RG6 COAX KEYSTONE
1	UL LISTED COAX CABLE

DUAL DATA + VIDEO OUTLET



OUTLET CONNECTIONS: 2 DATA, 1 VIDEO CONNECTIONS

QTY	DESCRIPTION
2	RJ-45 DATA KEYSTONES
2	UL LISTED CAT-6 CABLES
1	RG6 COAX KEYSTONE
1	UL LISTED COAX CABLE

3 DATA & VIDEO FACEPLATE DETAILS NTS

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

SUNDAR CLUBHOUSE

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2029

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER: Checker

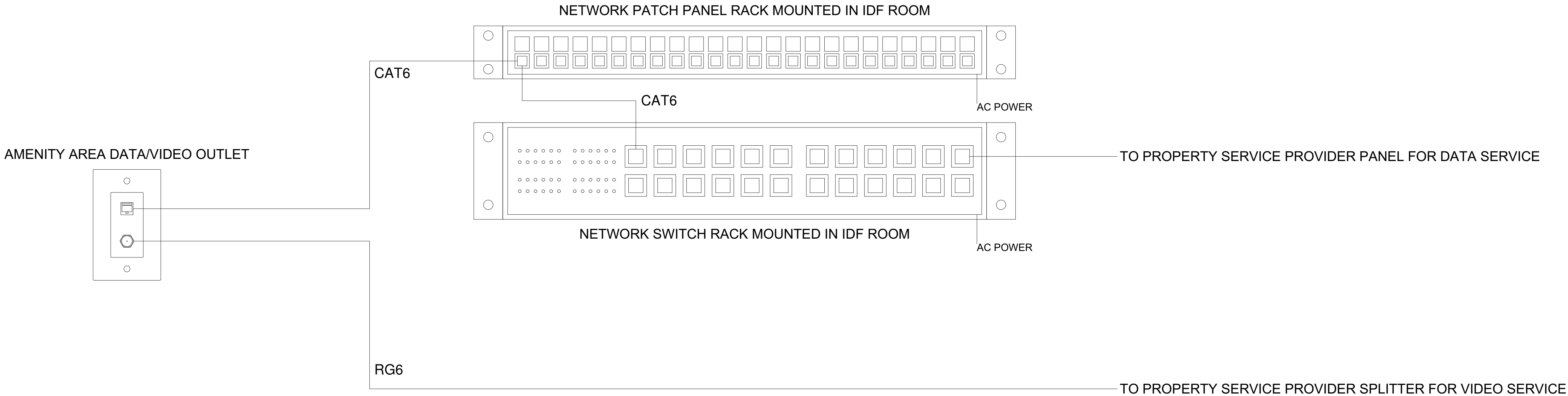
ECOS JOB NUMBER: EC-1023

SHEET INFORMATION

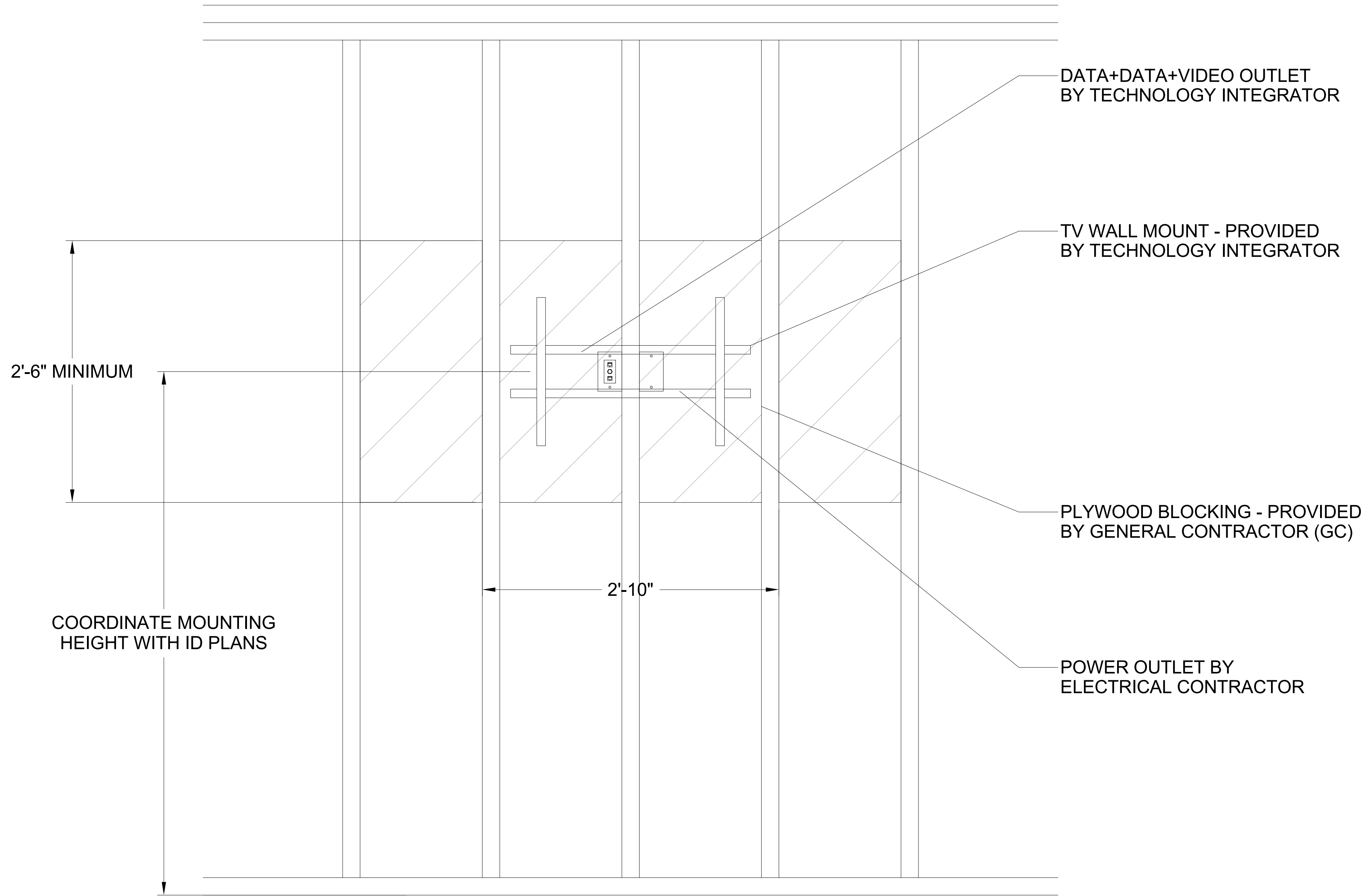
SHEET TITLE: DATACOMM/NETWORK SYSTEM DETAILS

SHEET NUMBER:

TD-500



1 COMMON AREA OUTLET CONNECTIVITY DIAGRAM
NTS



2 WALL MOUNTED TV BLOCKING DETAIL
NTS

DATACOMM/NETWORK PLAN SYMBOL LEGEND:	
SYMBOL	DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:
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PP	NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)
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WAP	WIRELESS ACCESS POINT - PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS
E	EMERGENCY PHONE (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
WM FM	DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DUAL DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	QUAD DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DUAL DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)

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PROJECT ARCHITECT

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DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR CLUBHOUSE

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2021
IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER: Designer

SYSTEM REVIEWER: Checker

EC'S JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: DATACOMM/NETWORK SYSTEM DETAILS

SHEET NUMBER:

TD-501

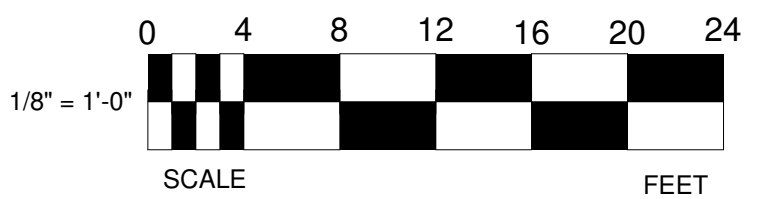


1 LEVEL 1 - CCTV LAYOUT
1/8" = 1'-0"

CCTV PLAN SYMBOL LEGEND:	
SYMBOL	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 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

CCTV SYSTEM PLAN NOTES

- REFER TO SHEET TC-000 FOR STANDARD CCTV DEVICE MOUNTING HEIGHTS
- REFER TO CCTV DETAILS FOR CCTV SYSTEM DIAGRAM
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AT SPECIFIED
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR



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O: 855-255-5521
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PROJECT INFORMATION

SUNDAR CLUBHOUSE

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2024

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER: Checker

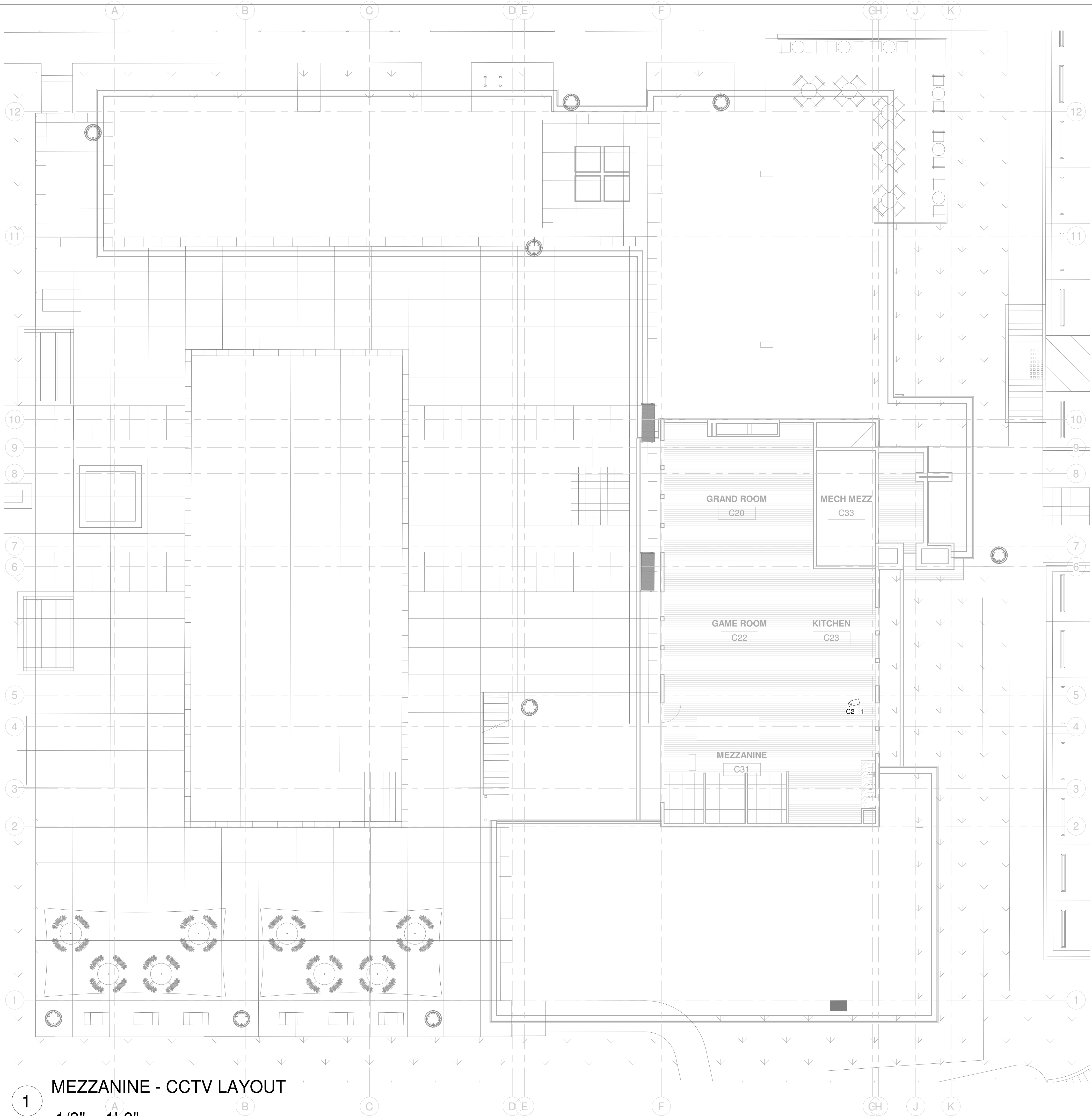
ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: LEVEL 1 - CCTV SYSTEM LAYOUT

SHEET NUMBER:

TC-101



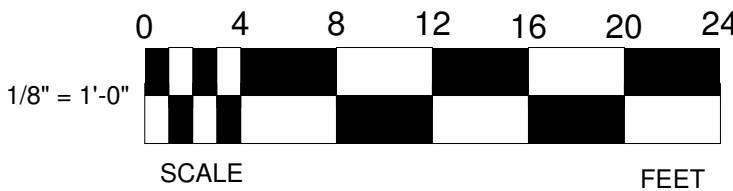
1 MEZZANINE - CCTV LAYOUT

1/8" = 1'-0"

CCTV PLAN SYMBOL LEGEND:	
SYMBOL	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 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

CCTV SYSTEM PLAN NOTES

- REFER TO SHEET TC-000 FOR STANDARD CCTV DEVICE MOUNTING HEIGHTS
- REFER TO CCTV DETAILS FOR CCTV SYSTEM DIAGRAM
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
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REVISION: DATE: DELTA:

SYSTEM DESIGNER: Designer

SYSTEM REVIEWER: Checker

ECS JOB NUMBER: EC-1023

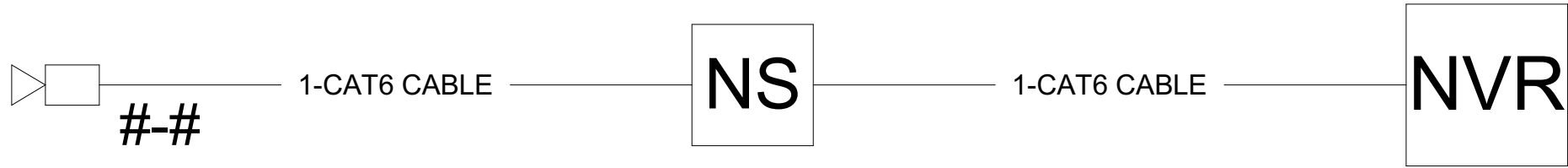
SHEET INFORMATION

SHEET TITLE: MEZZANINE - CCTV SYSTEM LAYOUT

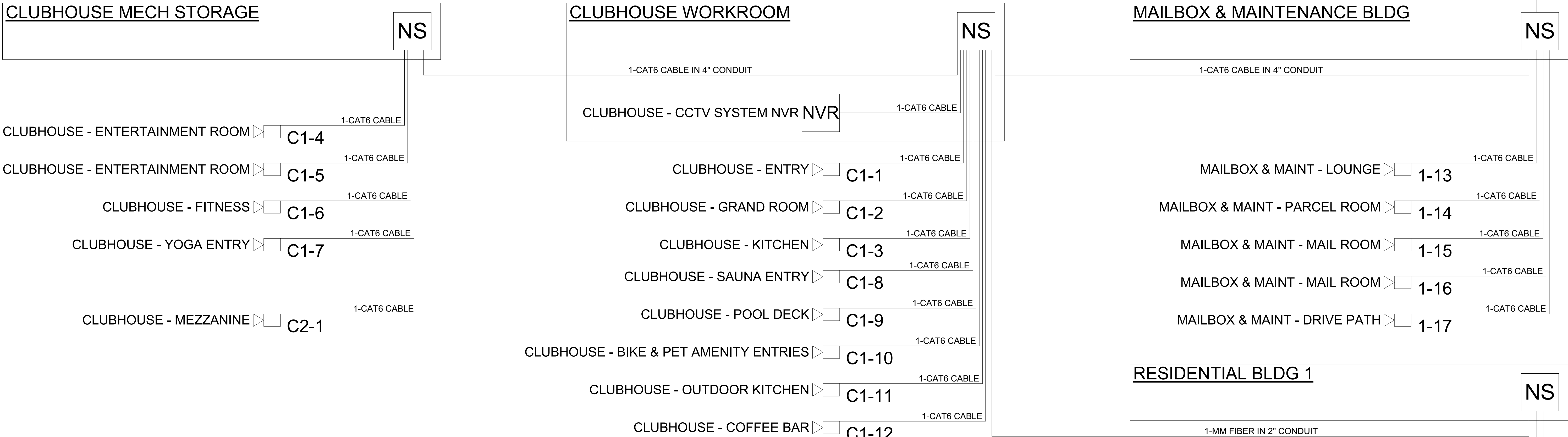
SHEET NUMBER:

TC-102

CCTV DEVICE SCHEDULE									
LEVEL	CAMERA LOCATION	NETWORK SWITCH IN ROOM	VC	-ID	CAMERA MOUNTING	CAMERA RESOLUTION	LENSE TYPE	NOTES	
LEVEL 1	CLUBHOUSE ENTRY	WORKROOM	C1	1	CEILING MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL	WIDE DYNAMIC RANGE	
LEVEL 1	GRAND ROOM	WORKROOM	C1	2	CEILING MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL		
LEVEL 1	KITCHEN	WORKROOM	C1	3	CEILING MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL		
LEVEL 1	ENTERTAINMENT ROOM	MECH STORAGE	C1	4	CEILING MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL		
LEVEL 1	ENTERTAINMENT ROOM	MECH STORAGE	C1	5	WALL MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL		
LEVEL 1	FITNESS	MECH STORAGE	C1	6	CEILING MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL		
LEVEL 1	YOGA ENTRY	MECH STORAGE	C1	7	CEILING MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL	WIDE DYNAMIC RANGE	
LEVEL 1	SAUNA ENTRY	WORKROOM	C1	8	CEILING MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL	WIDE DYNAMIC RANGE	
LEVEL 1	POOL DECK	WORKROOM	C1	9	CEILING MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL	WIDE DYNAMIC RANGE	
LEVEL 1	BIKE & PET AMENITY ENTRIES	WORKROOM	C1	10	CEILING MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL		
LEVEL 1	OUTDOOR KITCHEN	WORKROOM	C1	11	CEILING MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL	WIDE DYNAMIC RANGE	
LEVEL 1	COFFEE BAR	WORKROOM	C1	12	CEILING MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL		
MEZZANINE	MEZZANINE	MECH STORAGE	C2	1	CEILING MOUNTED - FIXED POSITION	2 MP (1920 x 1080)	2.8 - 9 MM VARIFOCAL	WIDE DYNAMIC RANGE	



1 CCTV SYSTEM CONNECTIVITY DIAGRAM NTS



2 CCTV SYSTEM ONE-LINE DIAGRAM NTS

CCTV PLAN SYMBOL LEGEND:	
SYMBOL	CCTV SYSTEM DEVICE DESCRIPTION:
NVR	CCTV SYSTEM NETWORK VIDEO RECORDER (NVR) (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET
NS	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET
1-1	CEILING MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
2-1	CEILING MOUNTED PAN, TILT, ZOOM (PTZ) POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
1-2	WALL MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
2-2	WALL MOUNTED PAN, TILT, ZOOM (PTZ) POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
J	CCTV SYSTEM J-BOX

CCTV SYSTEM PLAN NOTES

- REFER TO SHEET TC-000 FOR STANDARD CCTV DEVICE MOUNTING HEIGHTS
- REFER TO CCTV DETAILS FOR CCTV SYSTEM DIAGRAM
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AT SPECIFIED
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR CLUBHOUSE
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2024
IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER: Designer
SYSTEM REVIEWER: Checker
ECS JOB NUMBER: EC-1023

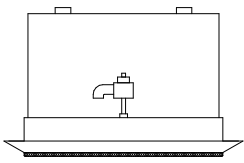
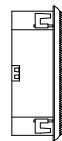
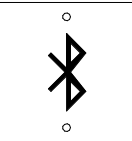
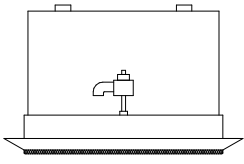
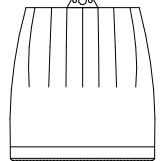

SHEET INFORMATION
SHEET TITLE: CCTV SYSTEM SCHEDULE & DETAIL

SHEET NUMBER:

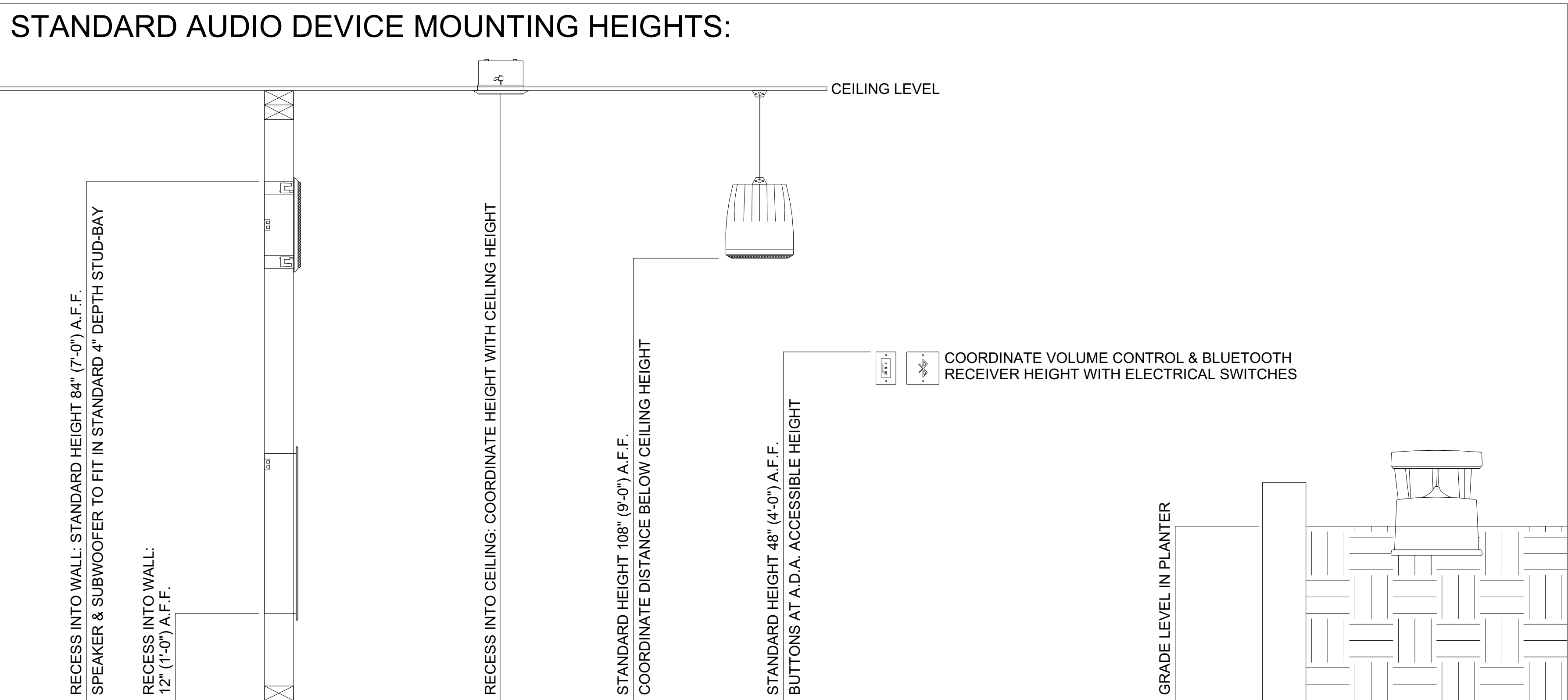
TC-500

AUDIO SYSTEM DRAWING INDEX

Sheet Number	Sheet Description	Issuance Title	Issue Date
Technology Set - Audio System Sheets			
TA-000	AUDIO SYSTEM COVER SHEET	IFC SET	06.11.2021
TA-101	LEVEL 1 - AUDIO SYSTEM LAYOUT	IFC SET	06.11.2021
TA-102	MEZZANINE - AUDIO SYSTEM LAYOUT	IFC SET	06.11.2021

AUDIO SYSTEM PLAN SYMBOL LEGEND:			
SYMBOL	ELEVATION	AUDIO SYSTEM DEVICE DESCRIPTION:	DEVICE REQUIRED CABLING:
<div>AV</div>	SIZING AS NEEDED	AV EQUIPMENT RACK (SEE ZONE DESCRIPTION FOR MOUNTING) - REQUIRED POWER: 1 FOURPLEX OUTLET ON DEDICATED CIRCUIT	1-CAT6 RACK TO NETWORK PATCH PANEL IN ASSOCIATED IDF ROOM
<div>70vA-1</div>		CEILING MOUNTED 70 VOLT SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
<div>70vA-2</div>		WALL MOUNTED 70 VOLT SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
<div>70vA-3P</div>		PENDANT MOUNTED 70 VOLT SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
<div>70vD-1LND</div>		LANDSCAPE 70 VOLT SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
<div>VCA-1</div>		ZONE VOLUME CONTROL (ZONE ID - DEVICE NUMBER)	1-14/2 STRANDED AUDIO CABLE, 1-CAT6: BLUE, & 1-16/2 STRANDED FOR POWER
<div>BT A-1</div>		ZONE BLUETOOTH RECEIVER (ZONE ID - DEVICE NUMBER)	1-3.5MM AUDIO CABLE & 1-16/2 STRANDED FOR POWER
<div>SSS-1</div>		CEILING MOUNTED 8 OHM STEREO SURROUND SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
<div>SSS-2</div>		WALL MOUNTED 8 OHM STEREO SURROUND SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
<div>SSS-3P</div>		PENDANT CEILING MOUNTED 8 OHM STEREO SURROUND SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
<div>SSS-4SUB</div>		STEREO SURROUND SUBWOOFER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE

STANDARD AUDIO DEVICE MOUNTING HEIGHTS:



PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



EVERBASE
CONSULTING SOLUTIONS

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR CLUBHOUSE

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2021

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

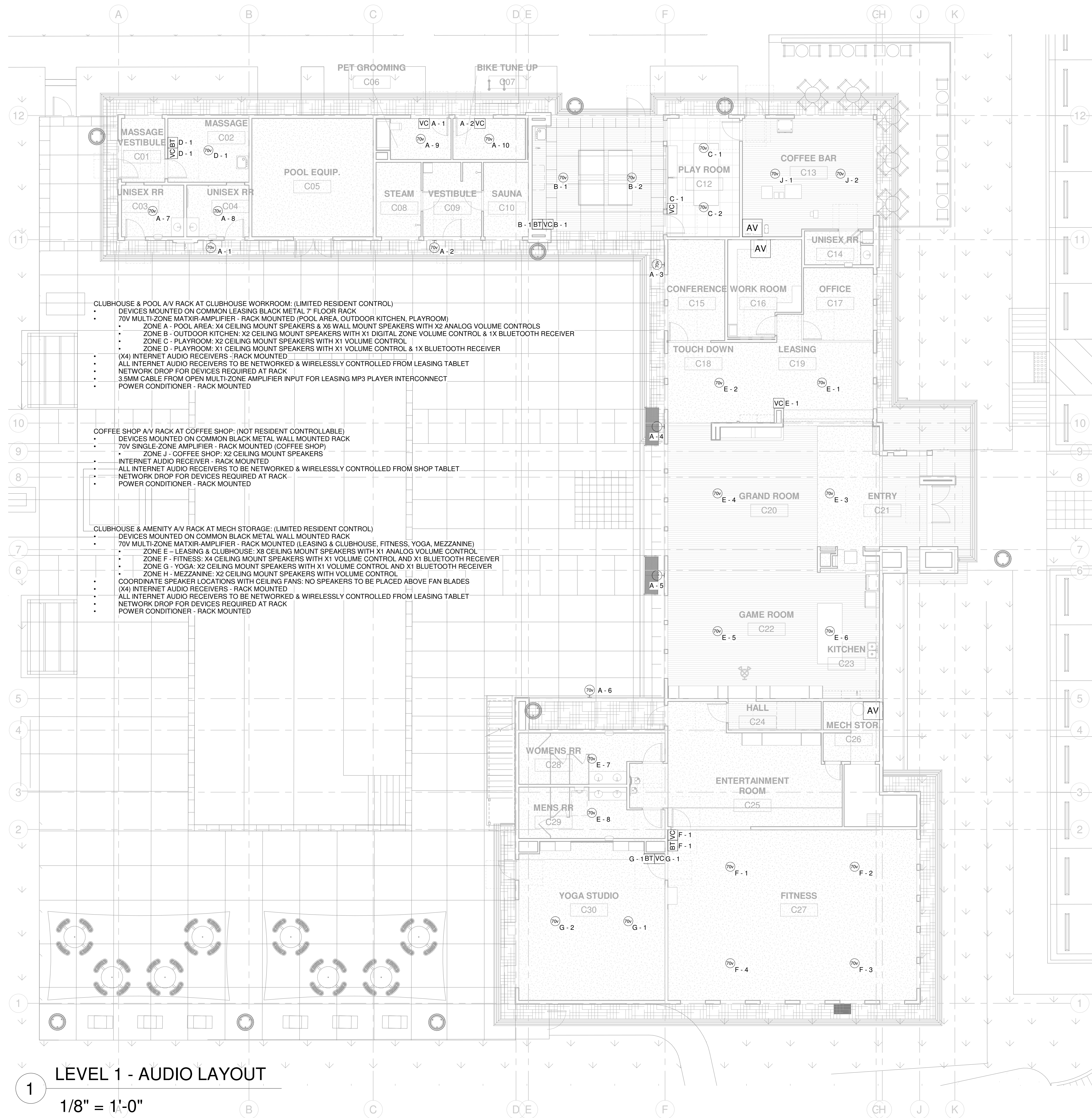
SYSTEM REVIEWER: Checker

ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: AUDIO SYSTEM COVER SHEET

SHEET NUMBER: TA-000



LEVEL 1 - AUDIO LAYOUT

1/8" = 1'-0"

AUDIO PLAN SYMBOL LEGEND:	
SYMBOL	AUDIO SYSTEM DEVICE DESCRIPTION:
AV	AV EQUIPMENT RACK (SEE ZONE DESCRIPTION FOR MOUNTING) - REQUIRED POWER: 1 FOURPLEX OUTLET ON DEDICATED CIRCUIT
SS-S-1	CEILING MOUNTED 8 OHM STEREO SURROUND SPEAKER (ZONE ID - SPEAKER NUMBER)
SS-S-2	WALL MOUNTED 8 OHM STEREO SURROUND SPEAKER (ZONE ID - SPEAKER NUMBER)
SS-S-3 P	PENDANT CEILING MOUNTED 8 OHM STEREO SURROUND SPEAKER (ZONE ID - SPEAKER NUMBER)
VC-A-1	ZONE VOLUME CONTROL (ZONE ID - DEVICE NUMBER)
BT-A-1	ZONE BLUETOOTH RECEIVER (ZONE ID - DEVICE NUMBER)
SS-S-4 SUB	STEREO SURROUND SUBWOOFER (ZONE ID - SPEAKER NUMBER)

AUDIO PLAN NOTES

- REFER TO SHEET TA-000 FOR STANDARD AUDIO DEVICE MOUNTING HEIGHTS
- REFER TO AUDIO DETAIL SHEETS FOR AUDIO SYSTEM DIAGRAMS
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONSELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR

PROJECT ARCHITECT

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DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR CLUBHOUSE

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: 06.11.2021

DATE: 06.11.2021

IFC SET

REVISION:

DATE:

DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER:

ECS JOB NUMBER:

EC-1023

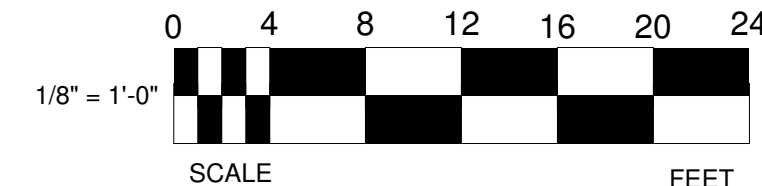
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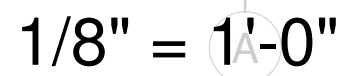
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LEVEL 1 - AUDIO SYSTEM LAYOUT

SHEET NUMBER:

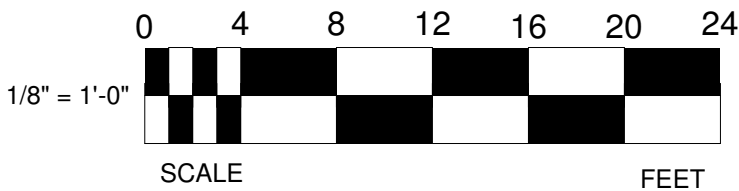
TA-101





1. REFER TO SHEET TA-000 FOR STANDARD AUDIO DEVICE MOUNTING HEIGHTS
2. REFER TO AUDIO DETAIL SHEETS FOR AUDIO SYSTEM DIAGRAMS
3. CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
4. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
5. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
6. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
7. ALL CABLEING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR

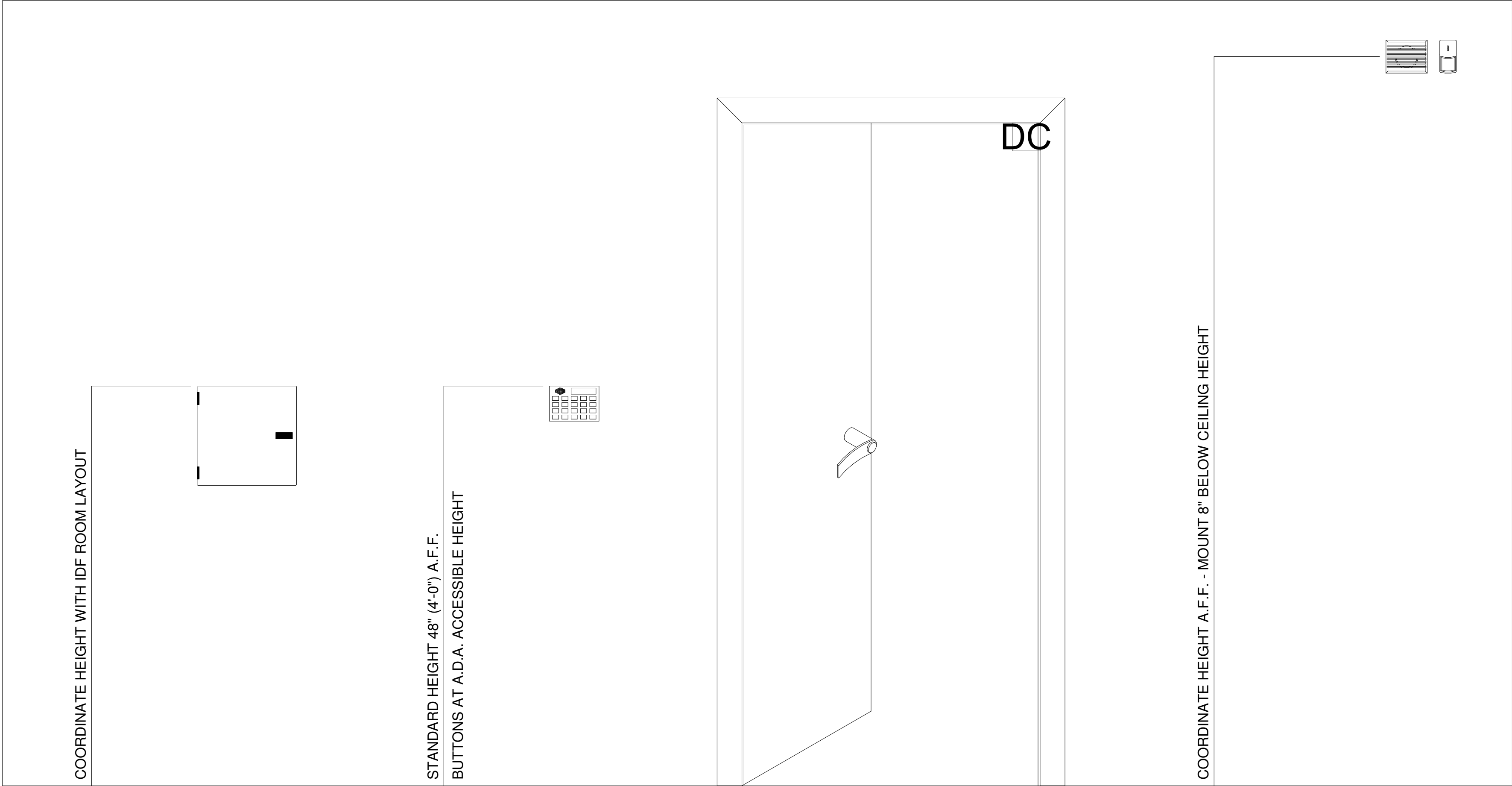
SUNDAR CLUBHOUSE
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO



INTRUSION DETECTION SYSTEM DRAWING INDEX			
Sheet Number	Sheet Description	Issuance Title	Issue Date
Technology Set - Intrusion Detection System			
TS-000	INTRUSION DETECTON SYSTEM COVER SHEET	IFC SET	06.11.2021
TS-101	LEVEL 1 - INTRUSION DETECTION SYSTEM LAYOUT	IFC SET	06.11.2021
TS-600	INTRUSION DETECTION SYSTEM ONE-LINE DIAGRAM	IFC SET	06.11.2021

INTRUSION DETECTION PLAN SYMBOL LEGEND:			
SYMBOL	ELEVATION	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
DC		DOOR CONTACT (MOUNTED TO DOOR FRAME)	1-22/4 STRANDED TO INTRUSION DETECTION SYSTEM CONTROLLER
MS		MOTION SENSOR (WALL MOUNTED)	1-22/4 STRANDED TO INTRUSION DETECTION SYSTEM CONTROLLER
VS		MOTION SENSOR (WALL MOUNTED)	1-22/4 STRANDED TO INTRUSION DETECTION SYSTEM CONTROLLER
		INTRUSION DETECTION SIREN (AT KEYPAD OR WALL MOUNTED)	1-16/2 STRANDED TO INTRUSION DETECTION SYSTEM CONTROLLER

STANDARD INTRUSION DETECTION DEVICE MOUNTING HEIGHTS:



PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



EVERBASE
CONSULTING SOLUTIONS

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR CLUBHOUSE

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2021

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

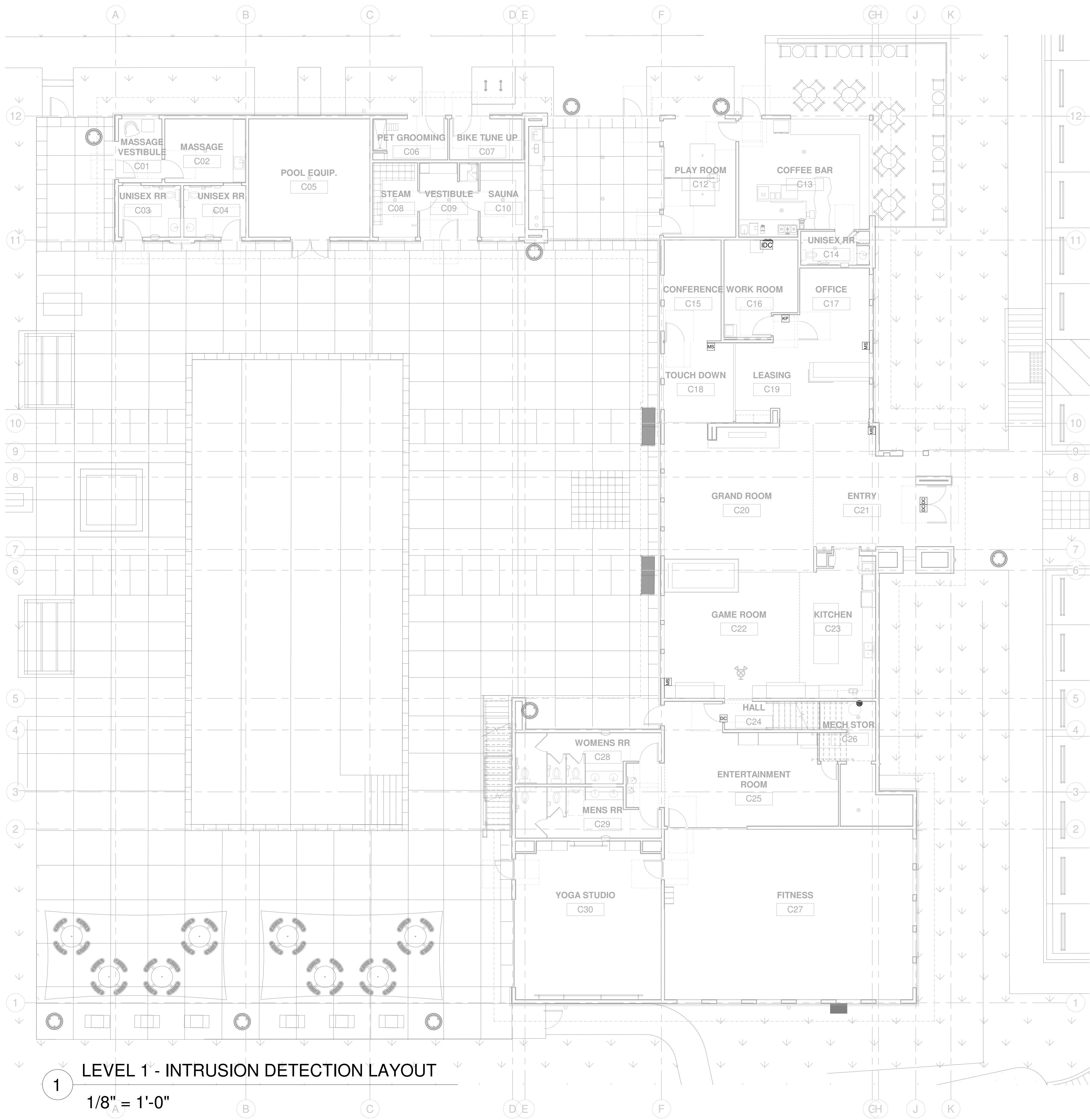
SYSTEM REVIEWER: Checker

ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: INTRUSION DETECTION SYSTEM COVER SHEET

SHEET NUMBER: TS-000



INTRUSION DETECTION PLAN SYMBOL LEGEND:	
SYMBOL	INTRUSION DETECTION SYSTEM DEVICE DESCRIPTION:
IDC	INTRUSION DETECTION SYSTEM CONTROLLER (WALL MOUNTED)
KP	INTRUSION DETECTION KEYPAD (WALL MOUNTED WITH BUTTONS AT A.D.A. ACCESSIBLE HEIGHT)
DC	DOOR CONTACT (MOUNTED TO DOOR FRAME)
MS	MOTION SENSOR (WALL MOUNTED)
VS	MOTION SENSOR (WALL MOUNTED)
	INTRUSION DETECTION SIREN (AT KEYPAD OR WALL MOUNTED)

INTRUSION DETECTION NOTES

- REFER TO SHEET TS-000 FOR STANDARD INTRUSION DETECTION DEVICE MOUNTING HEIGHTS
- REFER TO INTRUSION DETECTION DETAIL SHEET FOR INTRUSION DETECTION SYSTEM DIAGRAMS
- CABLE ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR CLUBHOUSE

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: IFC SET

DATE: 06.11.2021

REVISION:

DATE:

DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER:

ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: LEVEL 1 - INTRUSION DETECTION SYSTEM LAYOUT

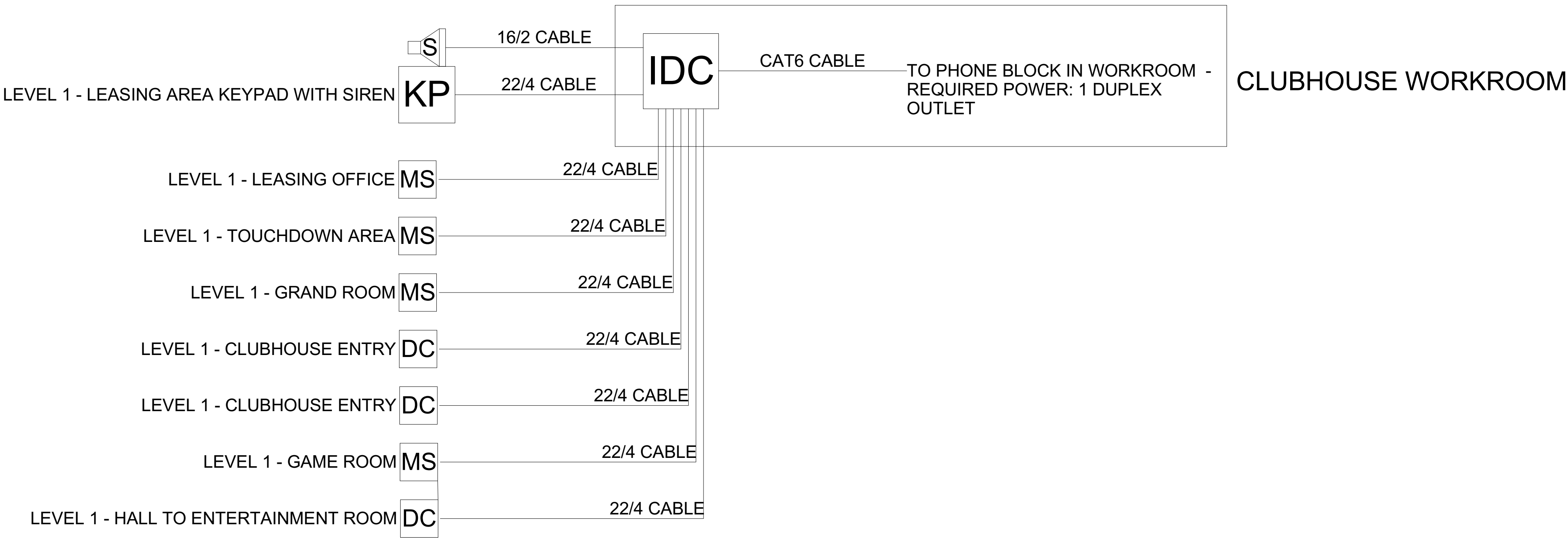
SHEET NUMBER:

1/8" = 1'-0"

0 4 8 12 16 20 24

SCALE FEET

TS-101



1 INTRUTION DETECTION SYSTEM ONE-LINE DIAGRAM
NTS

INTRUSION DETECTION PLAN SYMBOL LEGEND:	
SYMBOL	INTRUSION DETECTION SYSTEM DEVICE DESCRIPTION:
IDC	INTRUSION DETECTION SYSTEM CONTROLLER (WALL MOUNTED)
KP	INTRUSION DETECTION KEYPAD (WALL MOUNTED WITH BUTTONS AT A.D.A. ACCESSIBLE HEIGHT)
DC	DOOR CONTACT (MOUNTED TO DOOR FRAME)
MS	MOTION SENSOR (WALL MOUNTED)
VS	MOTION SENSOR (WALL MOUNTED)
	INTRUSION DETECTION SIREN (AT KEYPAD OR WALL MOUNTED)

CABLE LEGEND

LINE TYPE	DESCRIPTION
-----------	-------------

CAT6	CAT6	1-CAT6 CABLE FOR INTRUSION DETECTION DEVICE INTERCONNECT & NETWORK DEVICE INTERCONNECT
16/2	16/2	1-16/2 STRANDED TO INTRUSION DETECTION SYSTEM CONTROLLER
22/4	22/4	1-22/4 STRANDED TO INTRUSION DETECTION SYSTEM CONTROLLER

INTRUSION DETECTION NOTES

- REFER TO SHEET TS-000 FOR STANDARD INTRUSION DETECTION DEVICE MOUNTING HEIGHTS
- REFER TO INTRUSION DETECTION DETAIL SHEET FOR INTRUSION DETECTION SYSTEM DIAGRAMS
- CABLE ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR CLUBHOUSE
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE:	DATE:
IFC SET	06.11.2020

REVISION:	DATE:	DELTA:
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SYSTEM DESIGNER:	
SYSTEM REVIEWER:	
	Checker
ECS JOB NUMBER:	EC-1023

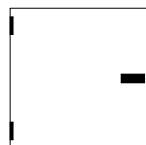
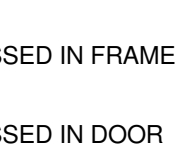
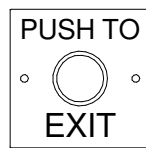
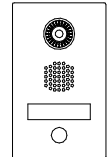

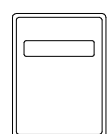
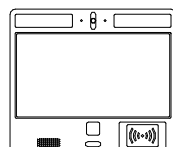
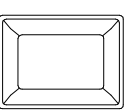
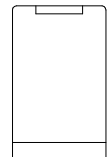

SHEET INFORMATION
SHEET TITLE:
INTRUSION DETECTION SYSTEM ONE-LINE DIAGRAM
SHEET NUMBER:

TS-600

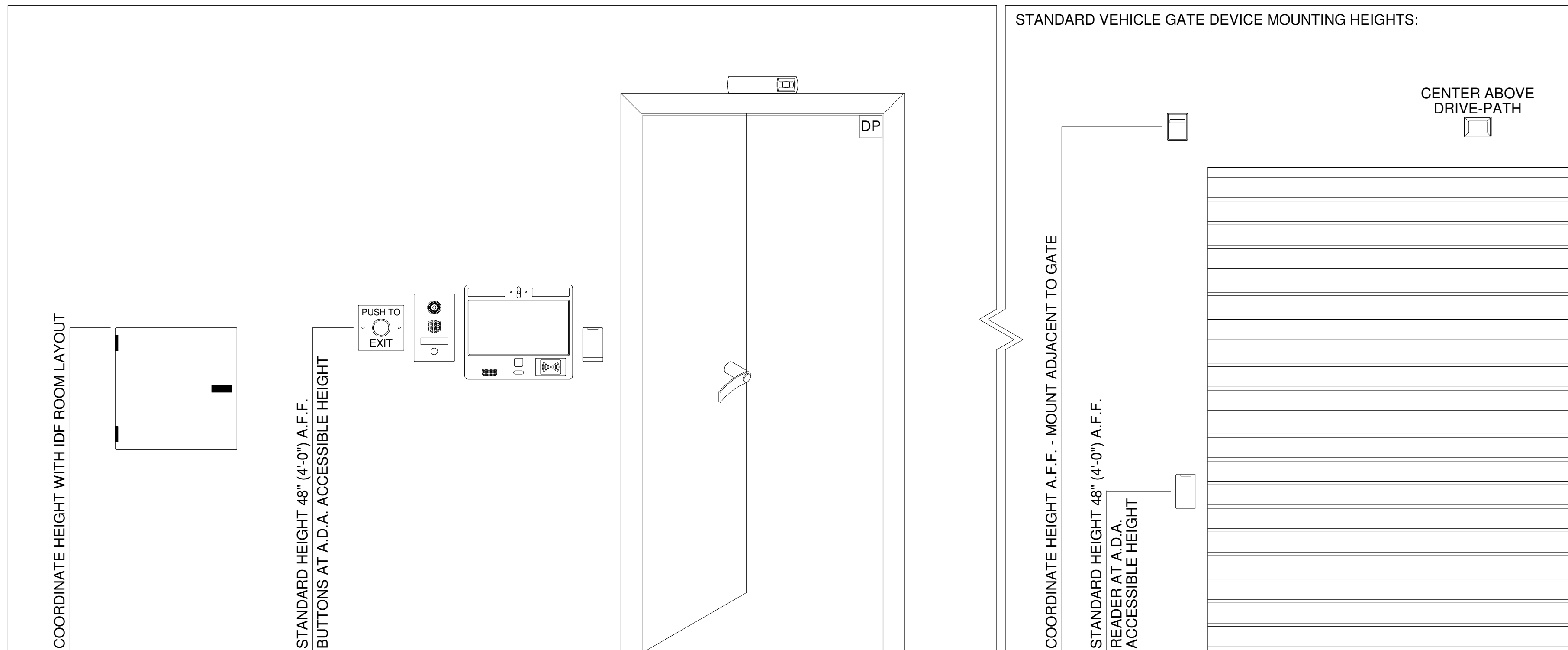
ACCESS CONTROL SYSTEM DRAWING INDEX

Sheet Number	Sheet Description	Issuance Title	Issue Date
Technology Set - Access Control System			
TR-000	ACCESS CONTROL SYSTEM COVER SHEET	IFC SET	06.11.2021
TR-101	LEVEL 1 - ACCESS CONTROL SYSTEM LAYOUT	IFC SET	06.11.2021
TR-102	MEZZANINE - ACCESS CONTROL SYSTEM LAYOUT	IFC SET	06.11.2021
TR-500	ACCESS CONTROL SYSTEM DOOR & LOCK SCHEDULE	IFC SET	06.11.2021
TR-501	ACCESS CONTROL SYSTEM DOOR DETAILS	IFC SET	06.11.2021
TR-600	ACCESS CONTROL SYSTEM ONE-LINE DIAGRAM	IFC SET	06.11.2021

ACCESS CONTROL PLAN SYMBOL LEGEND:

SYMBOL	ELEVATION	ACCESS CONTROL SYSTEM DEVICE DESCRIPTION:	DEVICE REQUIRED CABLING:
AP#		ACCESS CONTROL PANEL & POWER SUPPLY (WALL MOUNTED) - REQUIRED POWER: 1 DUPLEX OUTLET	1-CAT6 RACK TO NETWORK SWITCH IN ASSOCIATED IDF ROOM, 1-2 CONDUCTOR STRANDED CABLE TO FIRE ALARM RELAY
DP		DOOR POSITION SENSOR (MOUNTED TO DOOR FRAME)	1-22/2 STRANDED TO ASSOCIATED ACCESS CONTROL PANEL
EB		REQUEST TO EXIT BUTTON (WALL MOUNTED WITH BUTTON AT A.D.A. ACCESSIBLE HEIGHT)	1-18/4 STRANDED TO LOCK POWER
IC		INTERCOM (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)	TYPICAL: 1-CAT6, 1-16/2, 2-16/4 TO RECEPTION LOCATION (CONFIRM WITH PRODUCT LITERATURE)
PS	SIZING AS NEEDED	DOOR HARDWARE POWER SUPPLY - COORDINATE REQUIRED POWER & MOUNTING WITH ELECTRICAL CONTRACTOR (MUST BE ACCESSIBLE FOR MAINTENANCE)	COORDINATE REQUIRED CABLING WITH DOOR HARDWARE VENDOR & ELECTRICAL CONTRACTOR
REX		REQUEST TO EXIT MOTION SENSOR (WALL MOUNTED, CENTERED ABOVE DOOR)	1-22/4 STRANDED TO ASSOCIATED ACCESS CONTROL PANEL
RF		RADIO FREQUENCY (RF) RECEIVER FOR VEHICLE GATE (WALL MOUNT WITH LINE-OF-SITE TO DRIVE-PATH)	1-22/8 STRANDED TO ASSOCIATED ACCESS CONTROL PANEL/GATE OPERATOR
TE		DIGITAL TELE-ENTRY (WALL MOUNTED WITH CALL BUTTONS AT A.D.A. ACCESSIBLE HEIGHT)	TYPICAL: 1-CAT6, 1-16/2, 2-16/4 TO RECEPTION LOCATION (CONFIRM WITH PRODUCT LITERATURE)
UHF		ULTRA-HIGH FREQUENCY (UHF) RECEIVER FOR VEHICLE GATE (WALL MOUNT WITH LINE-OF-SITE TO DRIVE-PATH)	1-22/8 STRANDED TO ASSOCIATED ACCESS CONTROL PANEL/GATE OPERATOR
CR-1-01		CREDENTIAL READER (WALL MOUNTED)	ACCESS CONTROL COMPOSITE CABLE (18/4,22/4,22/2,22/3PR) SHIELDED
			
J	SIZING AS NEEDED	ACCESS CONTROL SYSTEM J-BOX	SINGLE-GANG BOX FOR ACCESS TO ACCESS CONTROL DEVICE FROM CONDUIT

STANDARD ACCESS CONTROL DOOR DEVICE MOUNTING HEIGHTS:



PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR CLUBHOUSE
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE:	DATE:
REC SET	06.11.202

REVISION: DATE: DELTA:

SYSTEM DESIGNER

SYSTEM REVIEWER

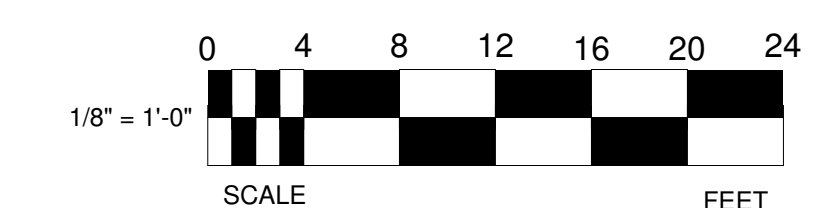
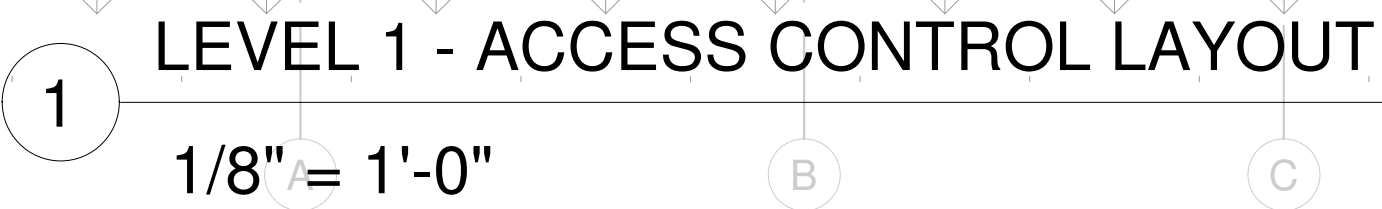
ECS JOB NUMBER:

SHEET INFORMATION

ACCESS CONTROL SYSTEM COVER SHEET

SHEET NUMBER

TR-000



Keynote Legend	
Key Value	Keynote Text
R08	PULL CABLE TO STRIKE SIDE FOR ELECTRIC LOCK - TR-XXX SHEETS FOR DOOR DETAILS

1. REFER TO SHEET TR-000 FOR STANDARD ACCESS CONTROL DEVICE MOUNTING HEIGHTS
2. REFER TO ACCESS CONTROL DETAIL SHEETS OR ACCESS CONTROL DOOR/SYSTEM DETAILS & PANEL DIAGRAMS
3. CABLE & CABLE ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
4. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
5. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
6. ALL CABLEING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR
7. ONE CREDENTIAL (FOB) TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS PER DESIGN
8. PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS

SUNDAR CLUBHOUSE
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO



ACCESS CONTROL NOTES

1. REFER TO SHEET TR-000 FOR STANDARD ACCESS CONTROL DEVICE MOUNTING HEIGHTS
2. REFER TO ACCESS CONTROL DETAIL SHEETS OR ACCESS CONTROL DOOR/SYSTEM DETAILS & PANEL DIAGRAMS
3. CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
4. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
5. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
6. ALL CABLEING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR
7. ONE CREDENTIAL (FOB) TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS PER DESIGN
8. PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS

SUNDAR CLUBHOUSE
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

TR-102

ACCESS CONTROL DOOR & LOCK SCHEDULE

LEVEL	ARCH DOOR NUMBER	DOOR DESCRIPTION	CREDENTIAL READER ID	PANEL NUMB ER	LOCKING DEVICE	LOCK FUNCTION	READER FUNCTIO N	DOOR TYPE	DOOR HARDWARE DETAIL (TR SHEET# - DETAIL #)	NOTES
LEVEL 1	C10A	OUTDOOR KITCHEN GATE	CR-1.1	AP1	STAND-ALONE BATTERY OPERATED LEVER WITH EXIT DEVICE	FAIL SECURE	SA	SINGLE GATE	TR-501 - 3	
LEVEL 1	C11A	PLAY ROOM	CR-1.2	AP1	STAND-ALONE BATTERY OPERATED LEVER SET	FAIL SECURE	SA	SINGLE	TR-501 - 2	
LEVEL 1	C06A	BIKE TUNE-UP	CR-1.3	AP1	STAND-ALONE BATTERY OPERATED LEVER SET	FAIL SECURE	SA	SINGLE	TR-501 - 2	
LEVEL 1	C05A	PET GROOMING	CR-1.4	AP1	STAND-ALONE BATTERY OPERATED LEVER SET	FAIL SECURE	SA	SINGLE	TR-501 - 2	
LEVEL 1	GATE	POOL GATE	CR-1.5	AP1	STAND-ALONE BATTERY OPERATED LEVER WITH EXIT DEVICE	FAIL SECURE	SA	SINGLE GATE	TR-501 - 3	
LEVEL 1	C01	SAUNA VESTIBULE	CR-1.6	AP1	STAND-ALONE BATTERY OPERATED LEVER SET	FAIL SECURE	SA	SINGLE	TR-501 - 2	
LEVEL 1	C03	SAUNA VESTIBULE	CR-1.7	AP1	STAND-ALONE BATTERY OPERATED LEVER SET	FAIL SECURE	SA	SINGLE	TR-501 - 2	
LEVEL 1	C04	SAUNA VESTIBULE	CR-1.8	AP1	STAND-ALONE BATTERY OPERATED LEVER SET	FAIL SECURE	SA	SINGLE	TR-501 - 2	
LEVEL 1	C09	SAUNA VESTIBULE	CR-1.9	AP1	STAND-ALONE BATTERY OPERATED LEVER SET	FAIL SECURE	SA	SINGLE	TR-501 - 2	
LEVEL 1	C25A	ENTERTAINMENT ROOM FROM POOL DECK	CR-1.10	AP1	ELECTRIC STRIKE WITH EXIT DEVICE	FAIL SECURE	ONL	SINGLE	TR-501 - 1	CREDENTIAL UPDATE READER
LEVEL 1	C24	CLUBHOUSE HALL FROM ENTERTAINMENT ROOM	CR-1.11	AP1	STAND-ALONE BATTERY OPERATED LEVER SET	FAIL SECURE	SA	SINGLE	TR-501 - 2	
LEVEL 1	C27A	FITNESS FROM ENTERTAINMENT ROOM	CR-1.12	AP1	STAND-ALONE BATTERY OPERATED LEVER SET	FAIL SECURE	SA	SINGLE	TR-501 - 2	
LEVEL 1	C30	YOGA STUDIO FROM POOL DECK	CR-1.13	AP1	ELECTRIC STRIKE WITH EXIT DEVICE	FAIL SECURE	ONL	SINGLE	TR-501 - 1	CREDENTIAL UPDATE READER
MEZZANINE	C31	MEZZANINE TO/FROM PATIO	CR-2.1	AP1	STAND-ALONE BATTERY OPERATED LEVER SET	FAIL SECURE	SA	SINGLE	TR-501 - 4	READ-IN/READ-OUT LOCATION

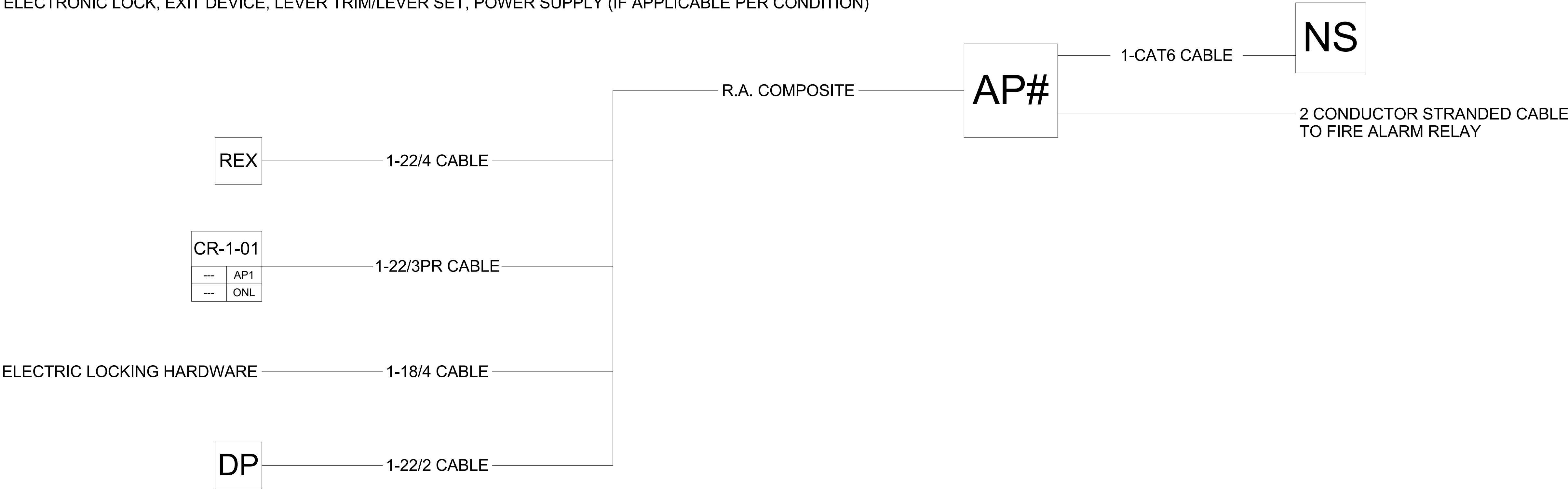
ACCESS CONTROL PLAN SYMBOL LEGEND:	
SYMBOL	ACCESS CONTROL SYSTEM DEVICE DESCRIPTION:
AP#	ACCESS CONTROL PANEL & POWER SUPPLY (WALL MOUNTED) - REQUIRED POWER: 1 DUPLEX OUTLET
DP	DOOR POSITION SENSOR (MOUNTED TO DOOR FRAME)
EB	REQUEST TO EXIT BUTTON (WALL MOUNTED WITH BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
IC	INTERCOM (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
PS	DOOR HARDWARE POWER SUPPLY - COORDINATE REQUIRED POWER & MOUNTING WITH ELEC. CONTRACTOR (MUST BE ACCESSIBLE FOR MAINT.)
REX	REQUEST TO EXIT MOTION SENSOR (WALL MOUNTED, CENTERED ABOVE DOOR)
TE	DIGITAL TELE-ENTRY (WALL MOUNTED WITH CALL BUTTONS AT A.D.A. ACCESSIBLE HEIGHT)
UHF	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 DOOR HARDWARE GROUP NUMBER

ACCESS CONTROL NOTES

- REFER TO SHEET TR-000 FOR STANDARD ACCESS CONTROL DEVICE MOUNTING HEIGHTS
- REFER TO ACCESS CONTROL DETAIL SHEETS OR ACCESS CONTROL DOOR/SYSTEM DETAILS & PANEL DIAGRAMS
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR
- ONE CREDENTIAL (FOB) TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS PER DESIGN
- PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS

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)



1 ACCESS CONTROL SYSTEM CONNECTIVITY DIAGRAM
NTS

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

SUNDAR CLUBHOUSE
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2024
IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER: Designer

SYSTEM REVIEWER: Checker

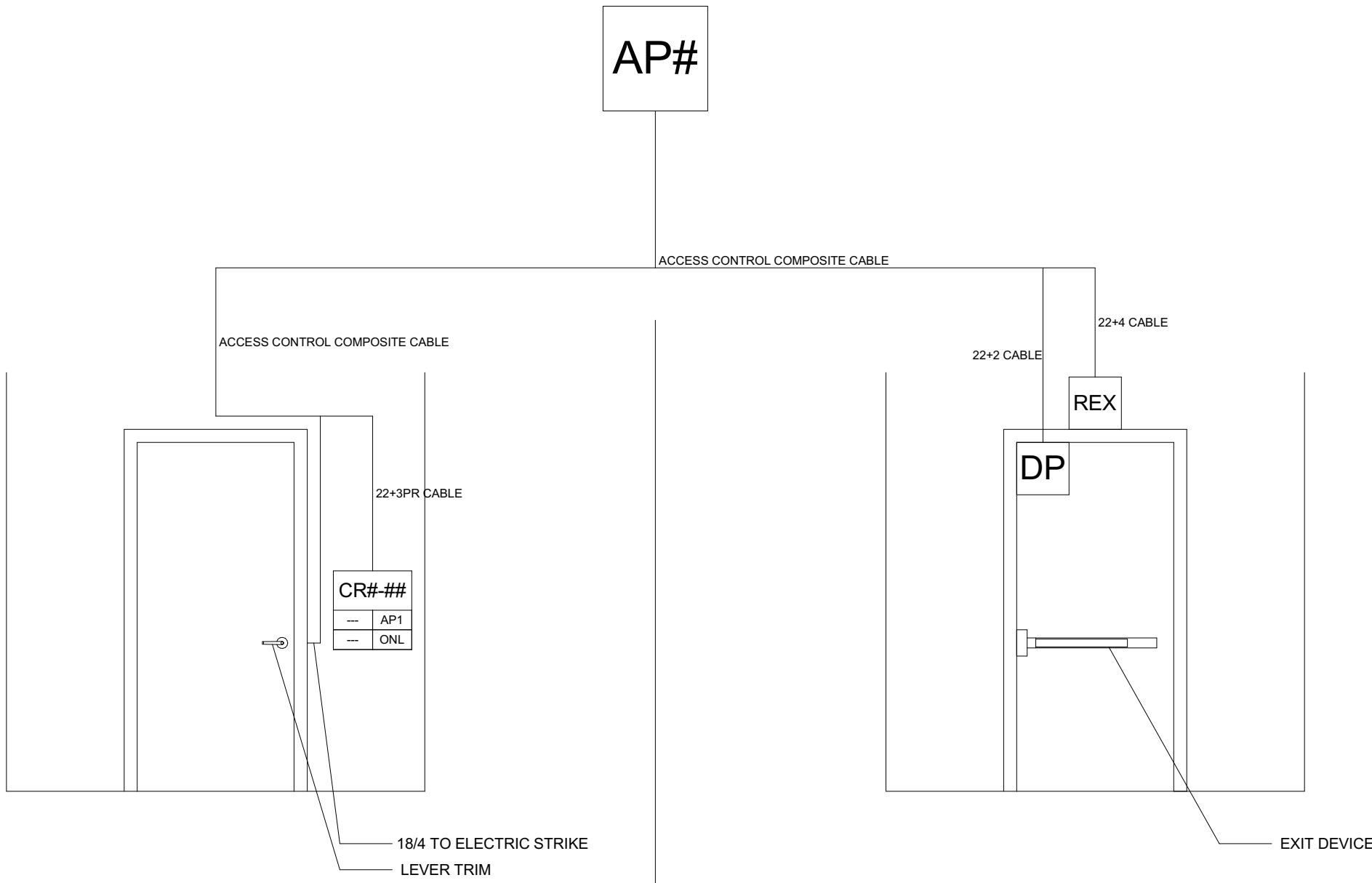
ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: ACCESS CONTROL SYSTEM DOOR & LOCK SCHEDULE

SHEET NUMBER:

TR-500

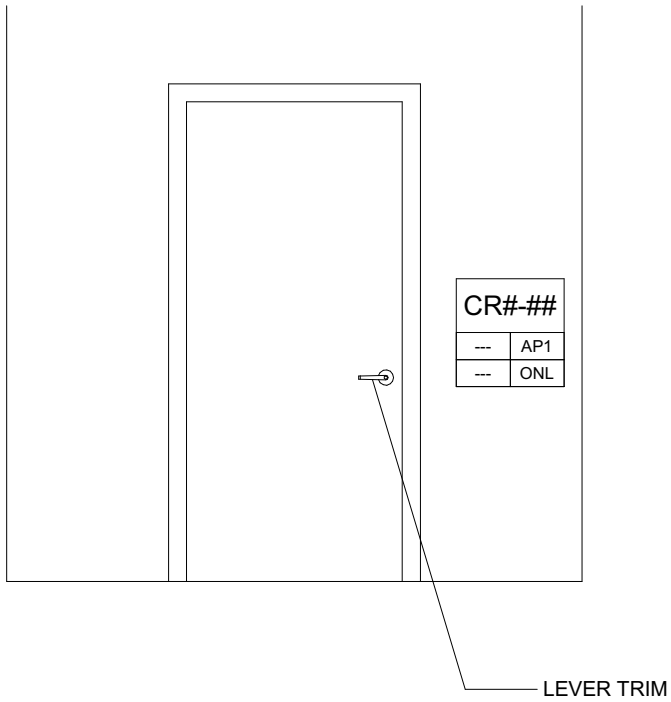


NON-SECURED SIDE OF DOOR - RESTRICTED ENTRY

- 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

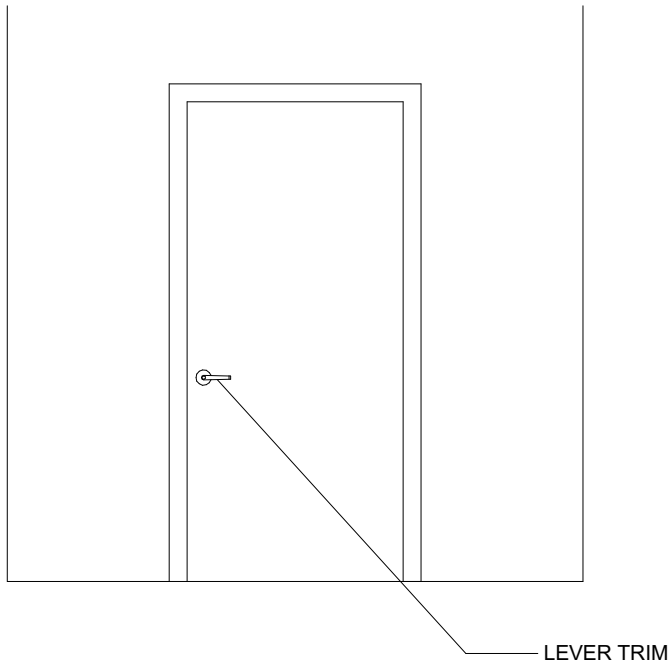
- EGRESS FROM DOOR WITH EXIT DEVICE:
- PRESS PUSH-PAD ON EXIT DEVICE
 - DOOR LATCH RETRACTS ALLOWING DOOR TO OPEN
 - ALL DOORS TO HAVE MECHANICAL-FREE EGRESS AT ALL TIMES
- EGRESS FROM DOOR WITH REQUEST TO EXIT MOTION SENSOR:
- APPROACH DOOR TO TRIGGER REQUEST TO EXIT MOTION SENSOR
 - ACCESS CONTROL 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 TO HAVE MECHANICAL-FREE EGRESS AT ALL TIMES



NON-SECURED SIDE OF DOOR - RESTRICTED ENTRY

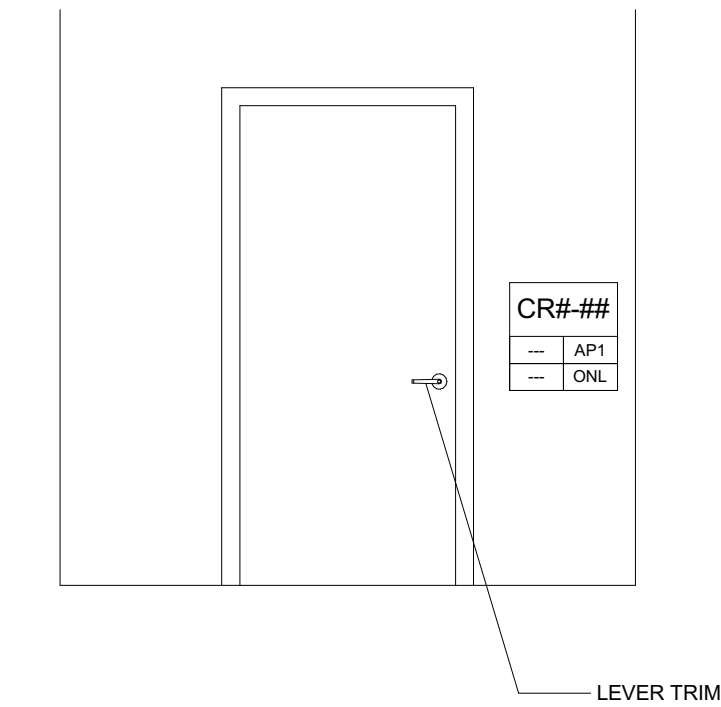
- ENTRY AT DOOR WITH FAIL SECURE BATTERY OPERATED ELECTRIFIED LEVER SET:
- PRESENT CREDENTIAL AT READER
 - READER AUTHENTICATES DATA ON CREDENTIAL
 - ELECTRIFIED LEVER SET IS ENERGIZED, LEVER SET ENGAGES LATCH
 - DOOR IS UNLOCKED/UNSECURED, ALLOWING ENTRY
 - ELECTRIFIED LEVER SET IS DEENERGIZED WITH 24V DC, LEVER SET DISENGAGES LATCH
 - DOOR IS LOCKED/SECURED

- DATA ON CARD UPDATE:
- DATA ON CARD IS UPDATED AT ONLINE READERS AT CLUBHOUSE



SECURED SIDE OF DOOR - FREE-EGRESS

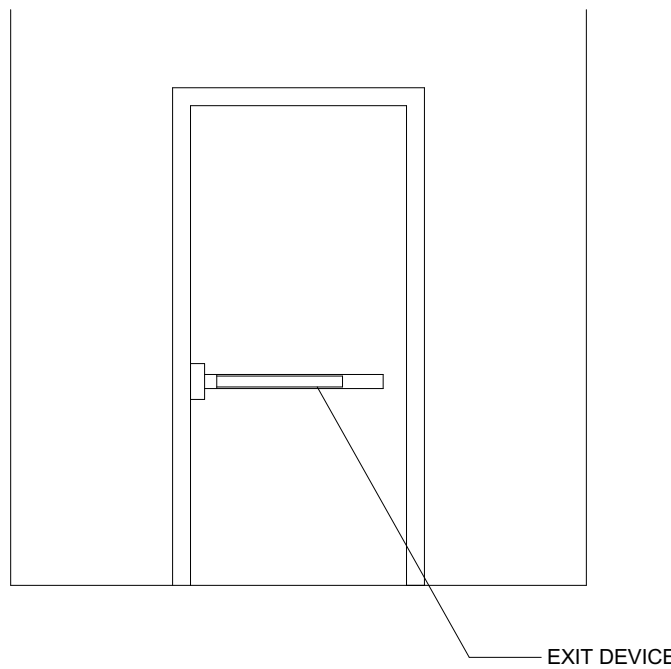
- EGRESS FROM DOOR WITH EXIT DEVICE:
- PRESS PUSH-PAD ON EXIT DEVICE
 - EXIT DEVICE RETRACTS VERTICAL RODS, ALLOWING DOOR TO OPEN
 - ALL DOORS TO HAVE MECHANICAL-FREE EGRESS AT ALL TIMES



NON-SECURED SIDE OF DOOR - RESTRICTED ENTRY

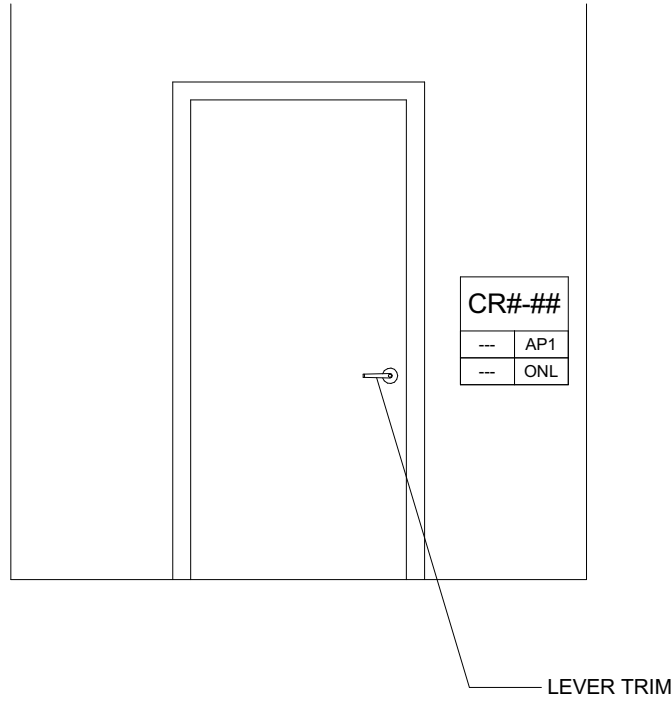
- ENTRY AT DOOR WITH FAIL SECURE BATTERY OPERATED ELECTRIFIED LEVER SET:
- PRESENT CREDENTIAL AT READER
 - READER AUTHENTICATES DATA ON CREDENTIAL
 - ELECTRIFIED LEVER SET IS ENERGIZED, LEVER SET ENGAGES LATCH
 - DOOR IS UNLOCKED/UNSECURED, ALLOWING ENTRY
 - ELECTRIFIED LEVER SET IS DEENERGIZED WITH 24V DC, LEVER SET DISENGAGES LATCH
 - DOOR IS LOCKED/SECURED

- DATA ON CARD UPDATE:
- DATA ON CARD IS UPDATED AT ONLINE READERS AT CLUBHOUSE



SECURED SIDE OF DOOR - FREE-EGRESS

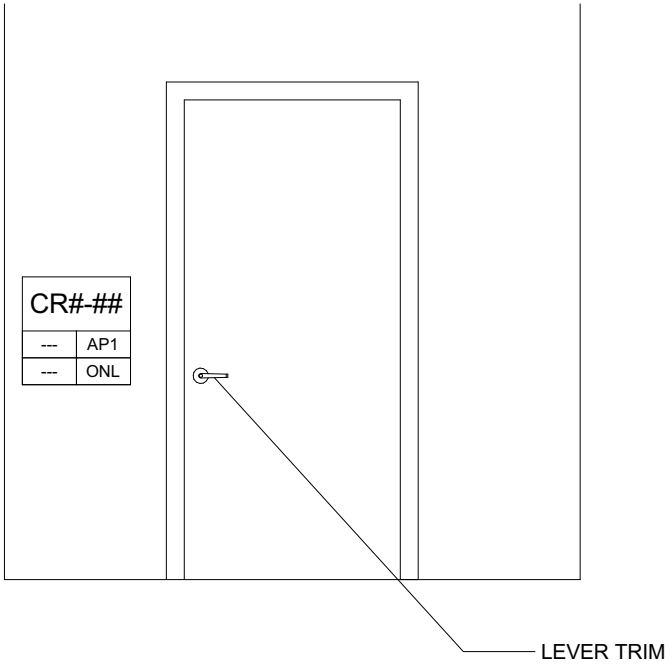
- EGRESS FROM DOOR WITH EXIT DEVICE:
- PRESS PUSH-PAD ON EXIT DEVICE
 - EXIT DEVICE RETRACTS VERTICAL RODS, ALLOWING DOOR TO OPEN
 - ALL DOORS TO HAVE MECHANICAL-FREE EGRESS AT ALL TIMES



NON-SECURED SIDE OF DOOR - RESTRICTED ENTRY

- ENTRY AT DOOR WITH FAIL SECURE BATTERY OPERATED ELECTRIFIED LEVER SET:
- PRESENT CREDENTIAL AT READER
 - READER AUTHENTICATES DATA ON CREDENTIAL
 - ELECTRIFIED LEVER SET IS EMERGIZED, LEVER SET ENGAGES LATCH
 - DOOR IS UNLOCKED/UNSECURED, ALLOWING ENTRY
 - ELECTRIFIED LEVER SET IS DEENERGIZED WITH 24V DC, LEVER SET DISENGAGES LATCH
 - DOOR IS LOCKED/SECURED

- DATA ON CARD UPDATE:
- DATA ON CARD IS UPDATED AT ONLINE READERS AT CLUBHOUSE



SECURED SIDE OF DOOR - RESTRICTED EGRESS

- EGRESS FROM DOOR WITH FAIL SECURE BATTERY OPERATED ELECTRIFIED LEVER SET:
- PRESENT CREDENTIAL AT READER
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 - ELECTRIFIED LEVER SET IS ENERGIZED, LEVER SET ENGAGES LATCH
 - DOOR IS UNLOCKED/UNSECURED, ALLOWING ENTRY
 - ELECTRIFIED LEVER SET IS DEENERGIZED WITH 24V DC, LEVER SET DISENGAGES LATCH
 - DOOR IS LOCKED/SECURED

- DATA ON CARD UPDATE:
- DATA ON CARD IS UPDATED AT ONLINE READERS AT CLUBHOUSE

STAND-ALONE BATTERY OPERATED ELECTRIFIED LEVER WITH EXIT DEVICE

STAND-ALONE BATTERY OPERATED ELECTRIFIED LEVER SET - READ-IN/READ-OUT

ACCESS CONTROL PLAN SYMBOL LEGEND:	
SYMBOL	ACCESS CONTROL SYSTEM DEVICE DESCRIPTION:
AP#	ACCESS CONTROL PANEL & POWER SUPPLY (WALL MOUNTED) - REQUIRED POWER: 1 DUPLEX OUTLET
DP	DOOR POSITION SENSOR (MOUNTED TO DOOR FRAME)
EB	REQUEST TO EXIT BUTTON (WALL MOUNTED WITH BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
IC	INTERCOM (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
PS	DOOR HARDWARE POWER SUPPLY - COORDINATE REQUIRED POWER & MOUNTING WITH ELEC. CONTRACTOR (MUST BE ACCESSIBLE FOR MAINT.)
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TE	DIGITAL TELE-ENTRY (WALL MOUNTED WITH CALL BUTTONS AT A.D.A. ACCESSIBLE HEIGHT)
UHF	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
AP1	ACCESS CONTROL PANEL NUMBER
ONL	READER FUNCTION: ONLINE (ONL) / STAND-ALONE (SA)
	ARCHITECTURAL DOOR NUMBER
	DOOR HARDWARE GROUP NUMBER

ACCESS CONTROL NOTES

- REFER TO SHEET TR-000 FOR STANDARD ACCESS CONTROL DEVICE MOUNTING HEIGHTS
- REFER TO ACCESS CONTROL DETAIL SHEETS OR ACCESS CONTROL DOOR/SYSTEM DETAILS & PANEL DIAGRAMS
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- PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

EVERBASE
CONSULTING SOLUTIONS

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR CLUBHOUSE
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2020
IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER: Checker

ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE:

ACCESS CONTROL
SYSTEM DOOR DETAILS

SHEET NUMBER:

TR-501



CABLE LEGEND

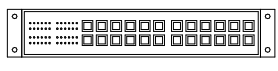


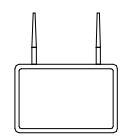
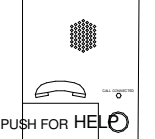
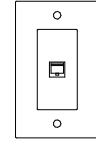
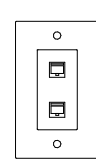
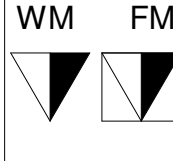
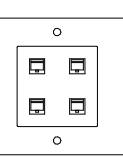
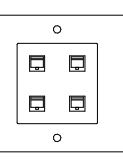
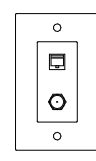
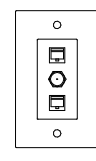
ACCESS CONTROL NOTES

1. REFER TO SHEET TR-000 FOR STANDARD ACCESS CONTROL DEVICE MOUNTING HEIGHTS
2. REFER TO ACCESS CONTROL DETAIL SHEETS OR ACCESS CONTROL DOOR/SYSTEM DETAILS & PANEL DIAGRAMS
3. CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
4. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
5. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
6. ALL CABLEING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR
7. ONE CREDENTIAL (FOB) TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS PER DESIGN
8. PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS

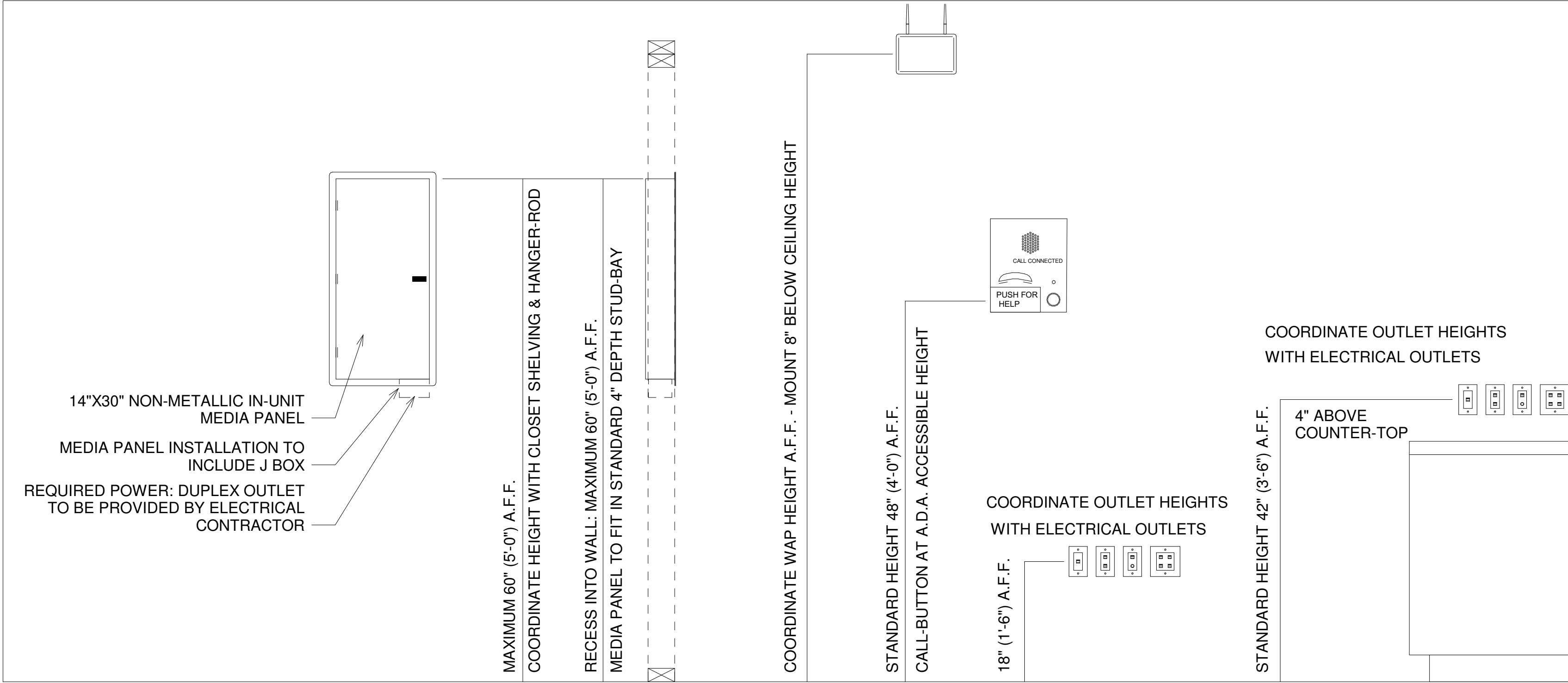
SUNDAR CLUBHOUSE
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

DATA COMM/NETWORK SYSTEM DRAWING INDEX

Sheet Number	Sheet Description	Issuance Title	Issue Date
Technology Set - DataComm/Network System Sheets			
TD-000	DATACOMM/NETWORK SYSTEM COVER SHEET	IFC SET	06.11.2021
TD-010	SITE PLAN - DATACOMM LAYOUT	IFC SET	06.11.2021
TD-101	LEVEL 1 - DATACOMM SYSTEM LAYOUT	IFC SET	06.11.2021
TD-500	DATACOMM/NETWORK SYSTEM DETAILS	IFC SET	06.11.2021
TD-501	DATACOMM/NETWORK SYSTEM DETAILS	IFC SET	06.11.2021
TD-600	NETWORK ONE-LINE DIAGRAM	IFC SET	06.11.2021

DATACOMM/NETWORK PLAN SYMBOL LEGEND:			
SYMBOL	ELEVATION	DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:	DEVICE REQUIRED CABLING:
<div>NS</div>		POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)	1-CAT6 TO PRIMARY NETWORK PATCH PANEL - REQUIRED POWER: 1 DUPLEX OUTLET (REFER TO SHEET TD-600 FOR NETWORK DETAIL)
<div>PP</div>		NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)	CAT6 TO NETWORK SWITCH - REQUIRED POWER: 1 DUPLEX OUTLET (REFER TO SHEET TD-600 FOR NETWORK DETAIL)
<div>FS</div>		NETWORK ETHERNET FIBER SWITCH (LOCATED IN EQUIPMENT RACK)	1-CAT6 TO PRIMARY NETWORK PATCH PANEL - REQUIRED POWER: 1 DUPLEX OUTLET (REFER TO SHEET TD-600 FOR NETWORK DETAIL)
<div>WAP</div>		WIRELESS ACCESS POINT - PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS	1-CAT6 TO POE PATCH PANEL IN ASSOCIATED IDF ROOM - T-568B RJ-45 TERMINATION
<div>E</div>		EMERGENCY PHONE (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)	1-CAT6 TO PATCH PANEL IN ASSOCIATED IDF ROOM - T-568B RJ-45 TERMINATION
<div>WM FM</div>		DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)	1-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
<div>WM FM</div>		DUAL DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)	2-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
<div>WM FM</div>		DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)	2-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
<div>WM FM</div>		QUAD DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)	4-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
<div>WM FM</div>		DUAL DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)	4-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
<div>WM FM</div>		DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)	1-RG6 & 1-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
<div>WM FM</div>		DATA+DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)	1-RG6 & 2-CAT6 - T-568B RJ-45 TERMINATION (T-568A IN UNITS)
<div></div>	SEE BELOW	IN-UNIT NON-METALLIC MEDIA PANEL (RECESS MOUNTED IN-WALL)	SEE UNIT SHEETS FOR REQUIRED WIRING FROM UNIT TO ASSOCIATED IDF - REQUIRED POWER: 1 DUPLEX OUTLET IN BASE OF ENCLOSURE

STANDARD DATACOMM/NETWORK DEVICE MOUNTING HEIGHTS:



PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR MAILBOX & MAINT

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: IFC SET

DATE: 06.11.2021

REVISION:

DATE:

DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER: Checker

ECS JOB NUMBER: EC-1023

SHEET INFORMATION: SHEET TITLE: DATACOMM/NETWORK SYSTEM COVER SHEET

SHEET NUMBER:

TD-000

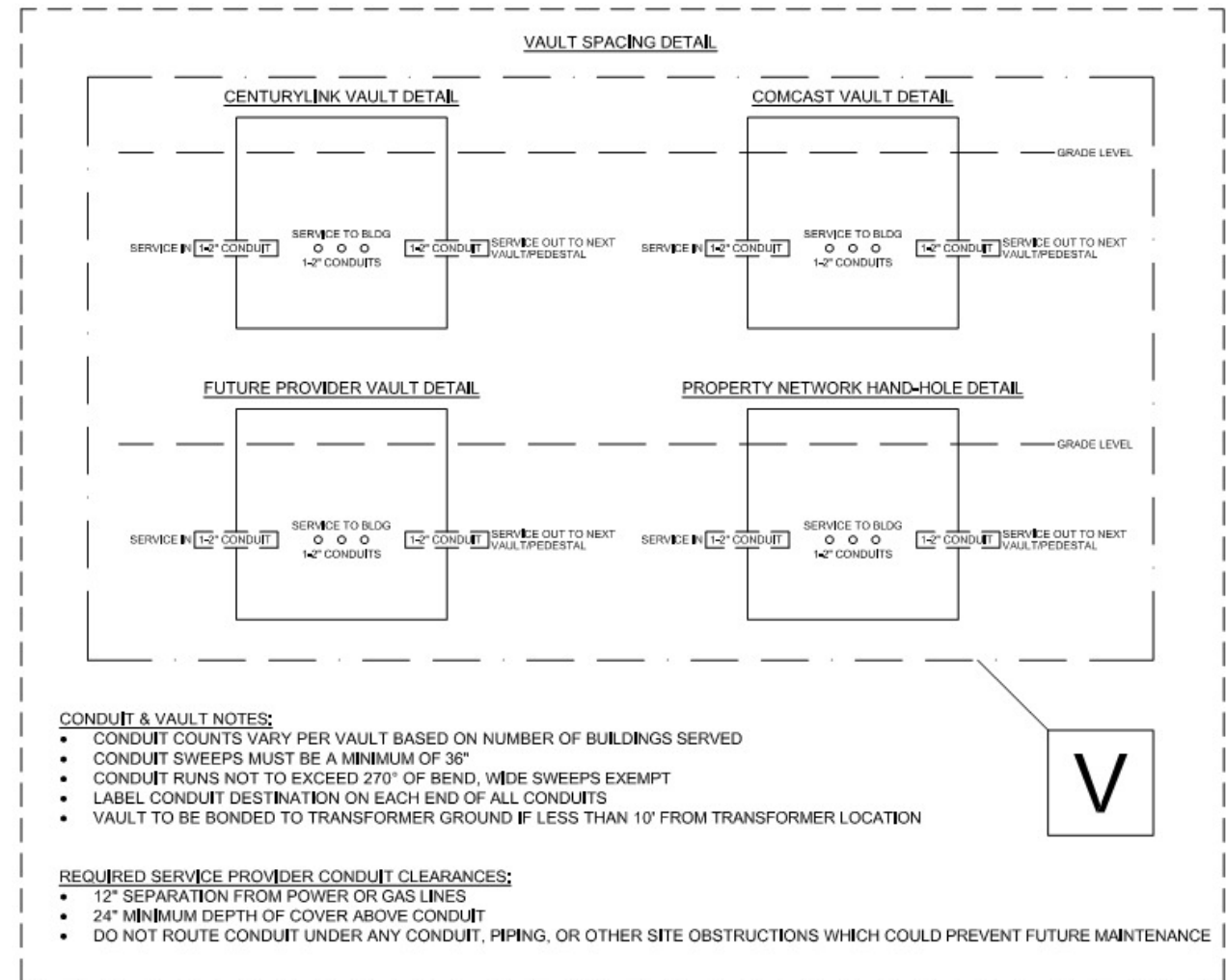
V = SERVICE PROVIDER VAULT GROUPING: SEE VAULT SPACING DETAIL













APPROXIMATE JOINT-TRENCH 4-2" CONDUIT RUN-LENGTH: 2957'
APPROXIMATE BUILDING LATERAL 4-2" CONDUIT RUN-LENGTH: 1931'
APPROXIMATE TOTAL 4-2" CONDUIT RUN-LENGTH: 13888'

APPROXIMATE PROVIDER ENTRY 1-4" CONDUIT RUN-LENGTH: TBD

APPROXIMATE BUILDING TECHNOLOGY SYSTEM INTERCONNECTION 1-4" CONDUIT RUN-LENGTH: 286'

RESIDENTIAL BUILDINGS: 36-PLEX (9 OCCURRENCES)
TOTAL UNITS IN PROJECT: 324 UNITS



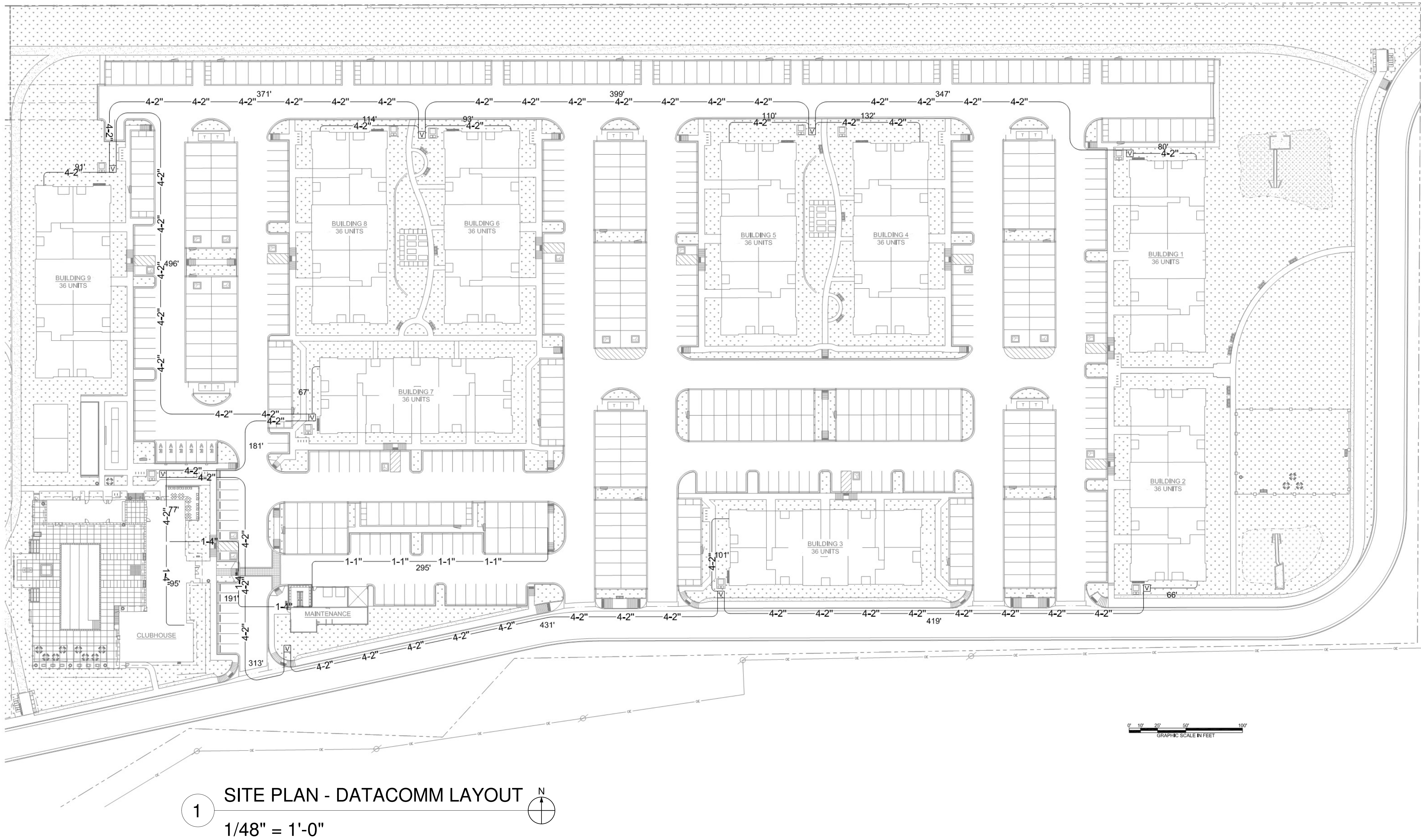
SYMBOL	DATACOMMNETWORK PLAN SYMBOL LEGEND: DATACOMMNETWORK SYSTEM DEVICE DESCRIPTION:
	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)
	NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)
	NETWORK ETHERNET FIBER SWITCH (LOCATED IN EQUIPMENT RACK)
	WIRELESS ACCESS POINT - PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS
	EMERGENCY PHONE (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
	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)

CONDUIT LEGEND

LINE TYPE	DESCRIPTION
1'-4"—————1'-4"	1-4" CEILING MOUNTED CONDUIT FOR SERVICE PROVIDER ENTRY (PROVIDER ALLOCATION DESIGNATED WITH KEYNOTE)
4'-2"—————4'-2"	SERVICE & SYSTEM BACKBONE CONDUIT - CEILING MOUNTED: <ul style="list-style-type: none"> • 1-2" WITH METERED PULL STRING FOR CENTURYLINK SERVICE DISTRIBUTION • 1-2" WITH METERED PULL STRING FOR COMCAST SERVICE DISTRIBUTION • 1-2" FOR FUTURE SERVICE DISTRIBUTION • 1-2" FOR PROPERTY NETWORK CONNECTION

DATAComm/NETWORK NOTES

1. REFER TO SHEET TD-000 FOR STANDARD DATA/COMM/NETWORK DEVICE CABLING REQUIREMENTS & MOUNTING HEIGHTS
2. REFER TO DATA/COMM/NETWORK FLOORPLAN SHEETS FOR BUILDING DATA/COMM/NETWORK DEVICE LAYOUT
3. REFER TO DATA/COMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & CABLE ROUTING DETAILS
4. REFER TO DATA/COMM/NETWORK UNIT SHEETS FOR REQUIRED UNIT "HOME RUN" WIRING & IN-UNIT DATA/COMM/NETWORK DEVICE LAYOUT
5. REFER TO DATA/COMM/NETWORK DETAIL SHEETS FOR DATA/COMM/NETWORK SYSTEM DETAILS & DIAGRAMS
6. CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
7. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
8. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
9. ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT / SLEEVING & PULL BOX BY INSTALLING CONTRACTOR
10. SERVICE PROVIDER & SYSTEMS NETWORK BACKBONE CONDUIT TO BE LIMITED TO 270° OF BENDS BETWEEN PULL POINTS & ALL 90° BENDS TO BE MINIMUM RADIUS
11. ELECTRICAL CONTRACTOR TO PROVIDE #6 COPPER GROUND AT EACH MDF/IDF ROOM - TO BE LOCATED ADJACENT TO THE SERVICE PROVIDER TERMINATIONS
12. 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
13. WIRELESS ACCESS POINTS TO PROVIDE PARTITIONED NETWORK ACCESS FOR PUBLIC & FOR SECURE STAFF ONLY NETWORK ACCESS
14. BLOCKING REQUIRED AT ALL COMMON AREA TV LOCATIONS
15. PLEASE COORDINATE ALL DATA OUTLET LOCATIONS IN PLAN WITH CODE COMPLIANT ELECTRICAL OUTLET LOCATIONS. ELECTRICAL OUTLET LOCATIONS ARE PRIORITY IN ANY PERCEIVED CONFLICTS OF DATA OUTLETS IN PLAN.



PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR MAILBOX & MAINT
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE:	DATE:
FC SET	06.11.20

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER:

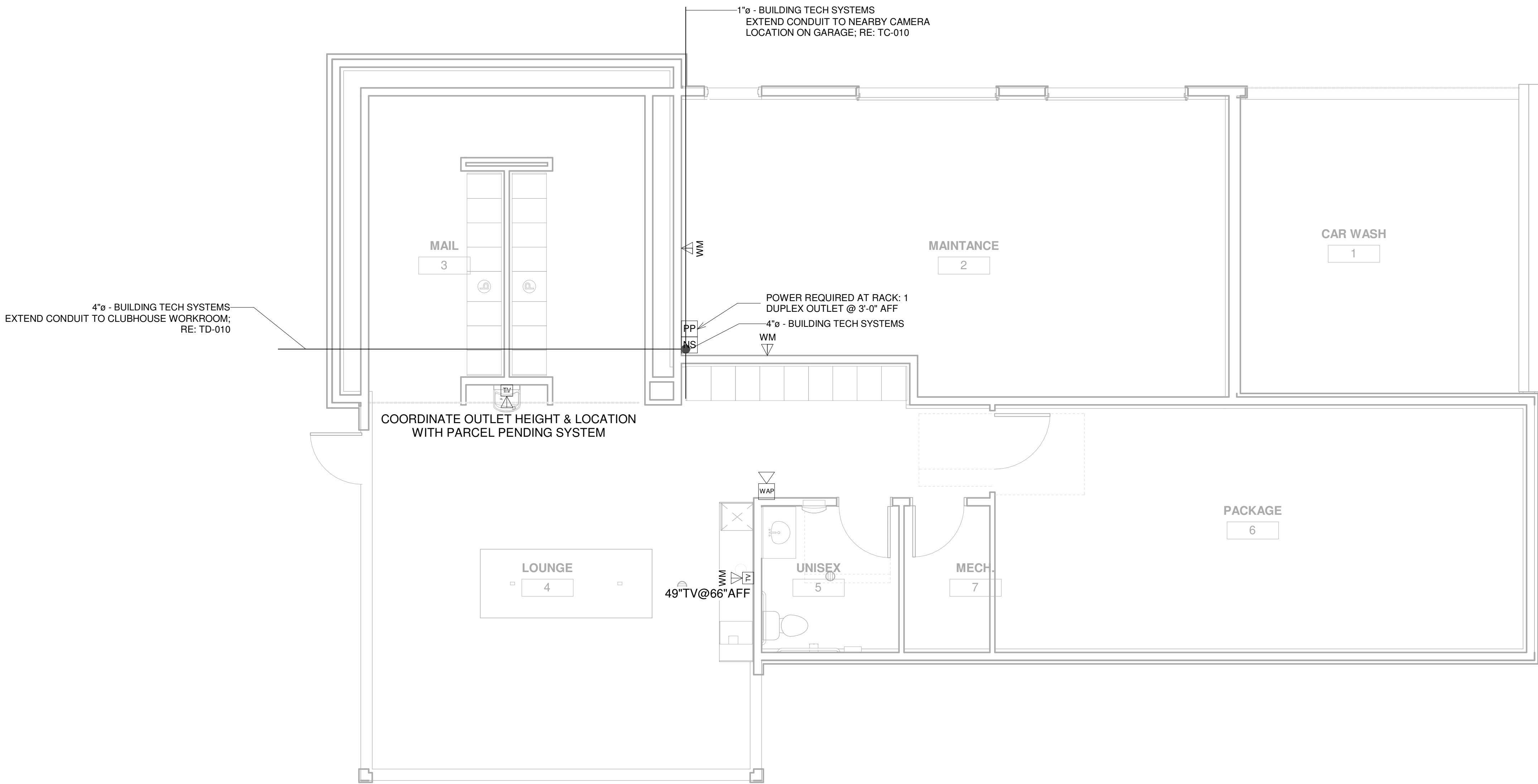
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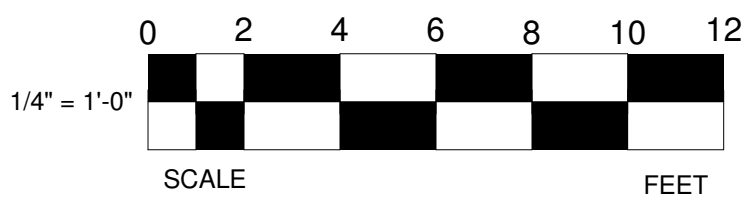
SITE PLAN - DATACOMM LAYOUT

SHEET NUMBER:

TD-010



1 LEVEL 1 - DATACOMM LAYOUT
1/4" = 1'-0"



DATACOMM/NETWORK PLAN SYMBOL LEGEND:	
SYMBOL	DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:
NS	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)
PP	NETWORK PATCH PANEL (MOUNTED IN EQUIPMENT RACK)
FS	NETWORK ETHERNET FIBER SWITCH (LOCATED IN EQUIPMENT RACK)
WAP	WIRELESS ACCESS POINT - PARTITIONED FOR PUBLIC & PRIVATE NETWORK ACCESS
E	EMERGENCY PHONE (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
WM FM	DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DUAL DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	QUAD DATA OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DUAL DATA+VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM	DATA+DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)

DATACOMM/NETWORK NOTES

- REFER TO SHEET TD-000 FOR STANDARD DATACOMM/NETWORK DEVICE CABLING REQUIREMENTS & MOUNTING HEIGHTS
- REFER TO DATACOMM/NETWORK FLOORPLAN SHEETS FOR BUILDING DATACOMM/NETWORK DEVICE LAYOUT
- REFER TO DATACOMM/NETWORK ELEVATION & SECTION SHEETS FOR MDF/IDF ROOM LAYOUT & RISER ROUTING DETAIL
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PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR MAILBOX & MAINT

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE:DATE:06.11.2021

IFC SET

REVISION:DATE:DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER:Checker

ECS JOB NUMBER:EC-1023

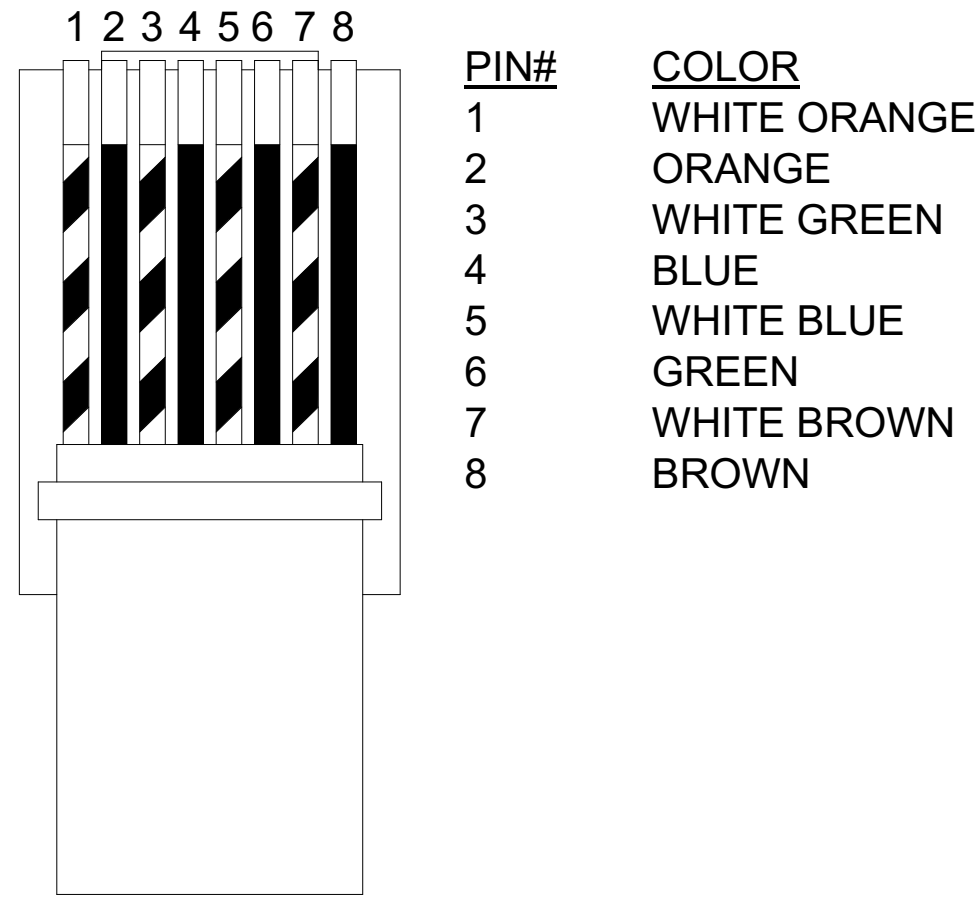
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SHEET NUMBER:

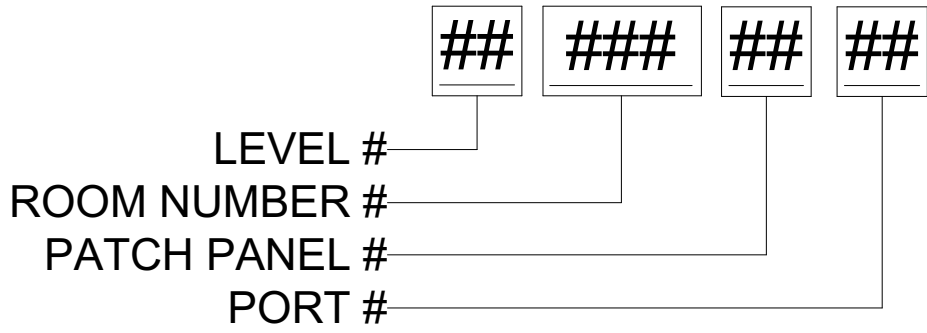
TD-101

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



T-568B RJ-45 TERMINATIONS TO BE USED IN COMMON AREAS

CABLE ID/LABELING GUIDE



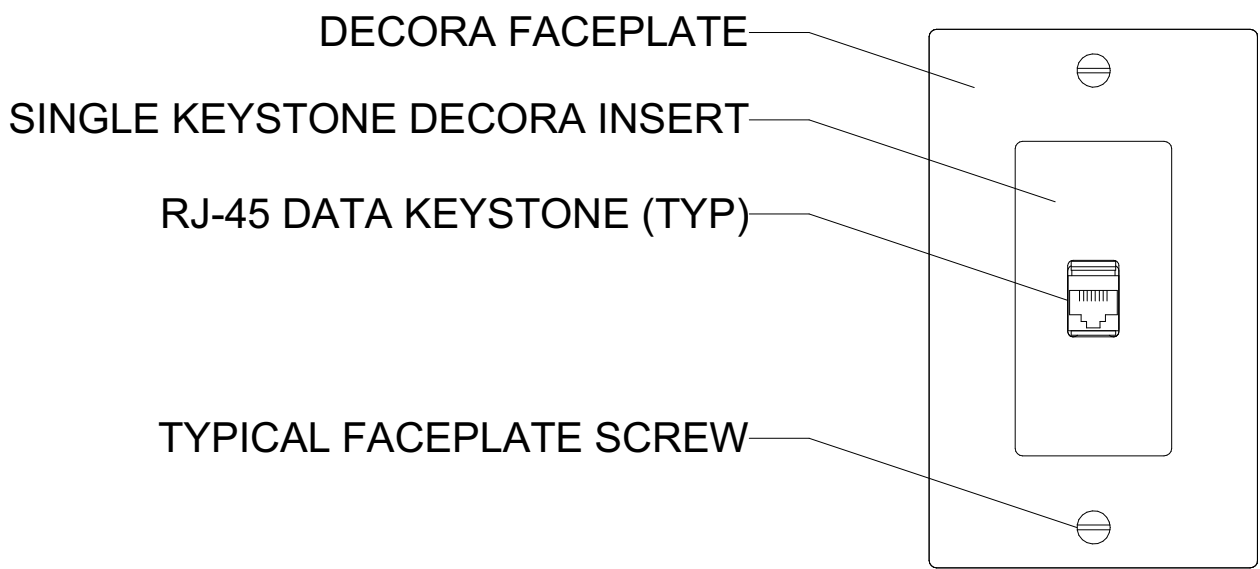
DATACOMM/NETWORK PLAN SYMBOL LEGEND:	
SYMBOL	DATACOMM/NETWORK SYSTEM DEVICE DESCRIPTION:
	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK)
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DATACOMM/NETWORK NOTES

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1 RJ-45 PINNING & LABELING DETAIL NTS

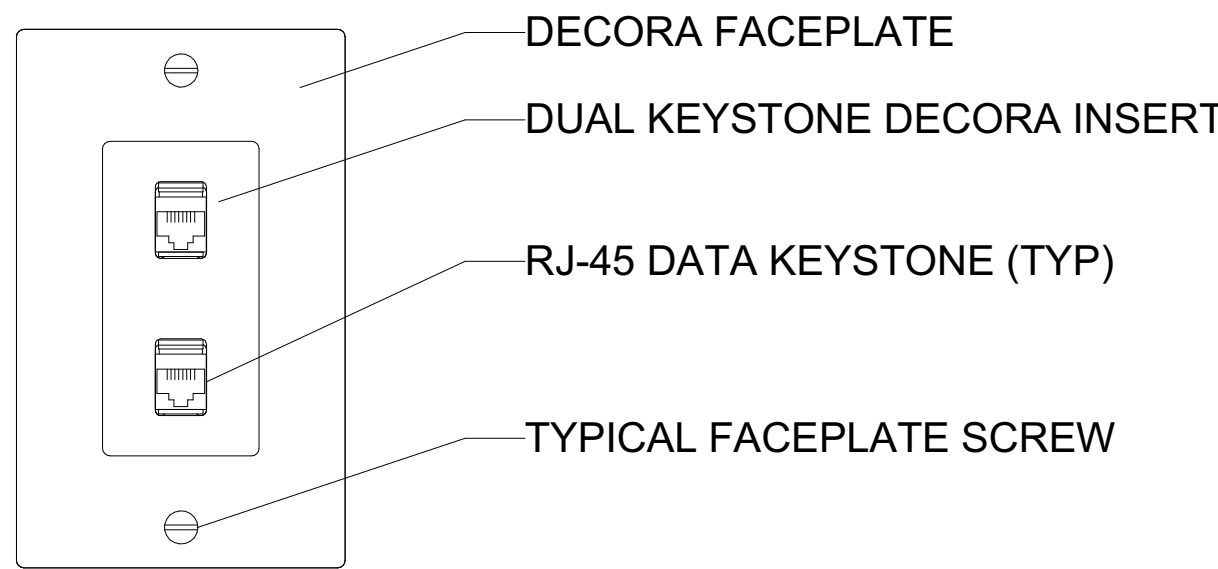
SINGLE DATA OUTLET



OUTLET CONNECTIONS: 1 DATA CONNECTION

QTY	DESCRIPTION
1	RJ-45 DATA KEYSTONE
1	UL LISTED CAT-6 CABLE

DUAL DATA OUTLET

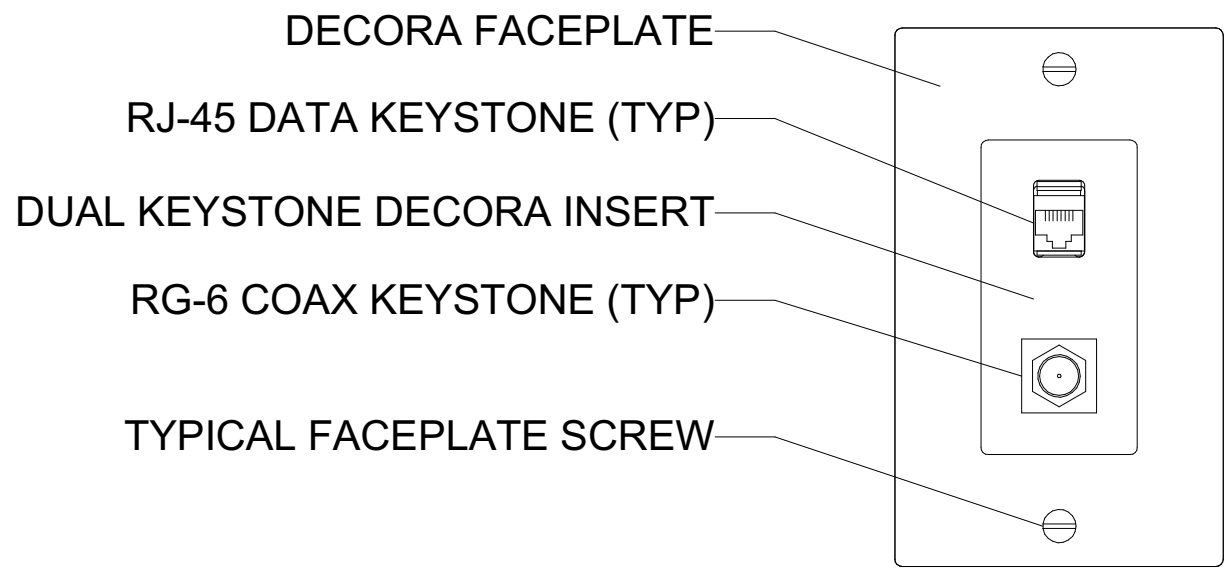


OUTLET CONNECTIONS: 2 DATA CONNECTIONS

QTY	DESCRIPTION
2	RJ-45 DATA KEYSTONES
2	UL LISTED CAT-6 CABLES

2 DATA FACEPLATE DETAILS NTS

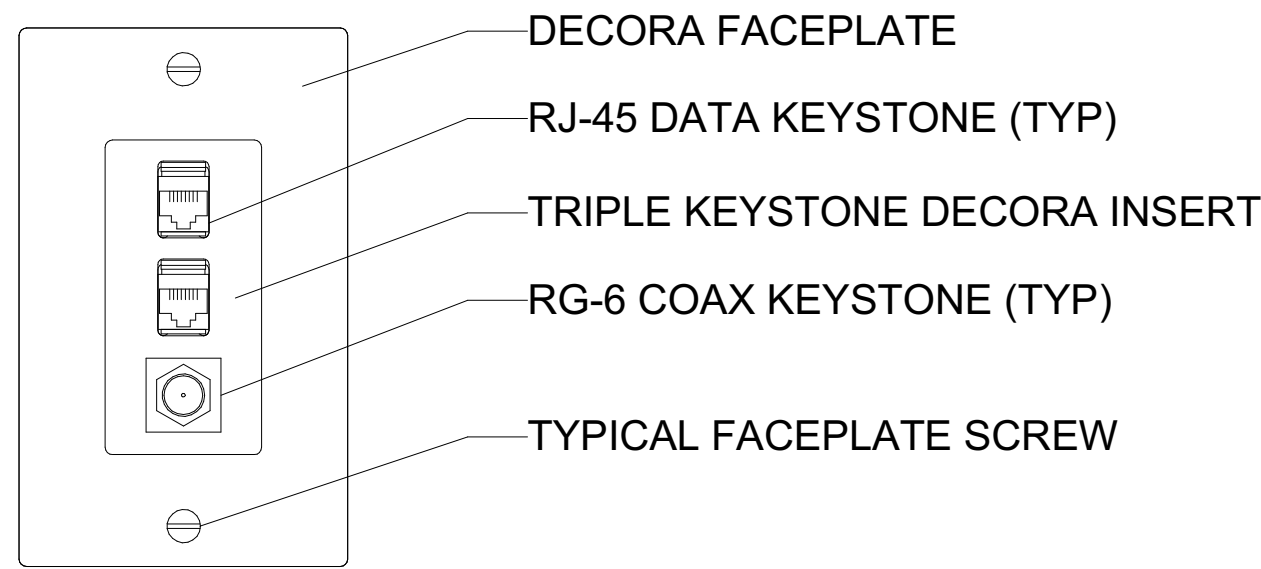
SINGLE DATA + VIDEO OUTLET



OUTLET CONNECTIONS: 1 DATA, 1 VIDEO CONNECTIONS

QTY	DESCRIPTION
1	RJ-45 DATA KEYSTONES
1	UL LISTED CAT-6 CABLES
1	RG6 COAX KEYSTONE
1	UL LISTED COAX CABLE

DUAL DATA + VIDEO OUTLET



OUTLET CONNECTIONS: 2 DATA, 1 VIDEO CONNECTIONS

QTY	DESCRIPTION
2	RJ-45 DATA KEYSTONES
2	UL LISTED CAT-6 CABLES
1	RG6 COAX KEYSTONE
1	UL LISTED COAX CABLE

3 DATA & VIDEO FACEPLATE DETAILS NTS

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR MAILBOX & MAINT

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2029

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER: Checker

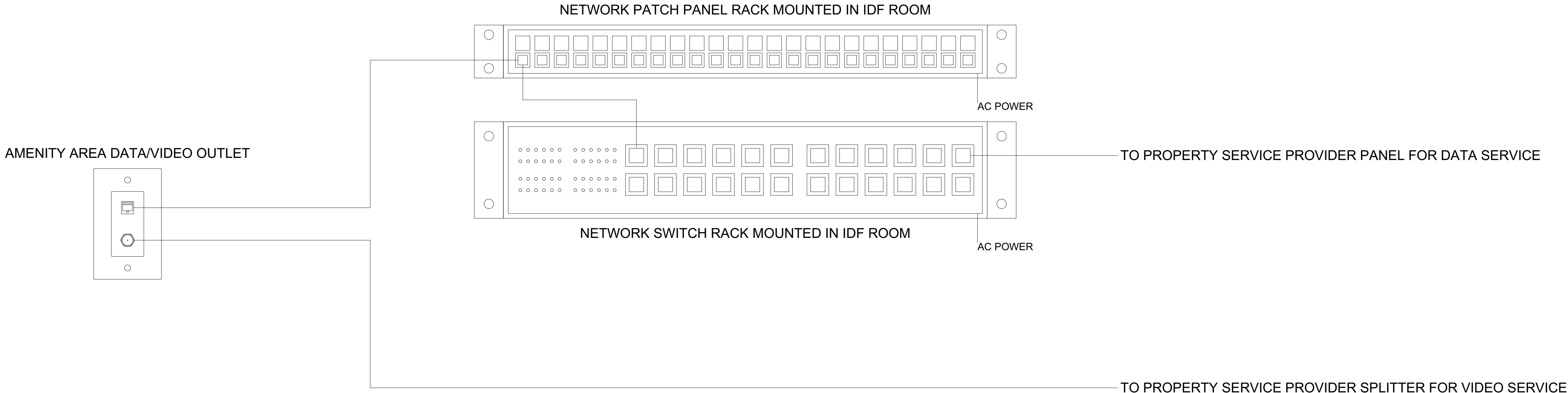
ECS JOB NUMBER: EC-1023

SHEET INFORMATION

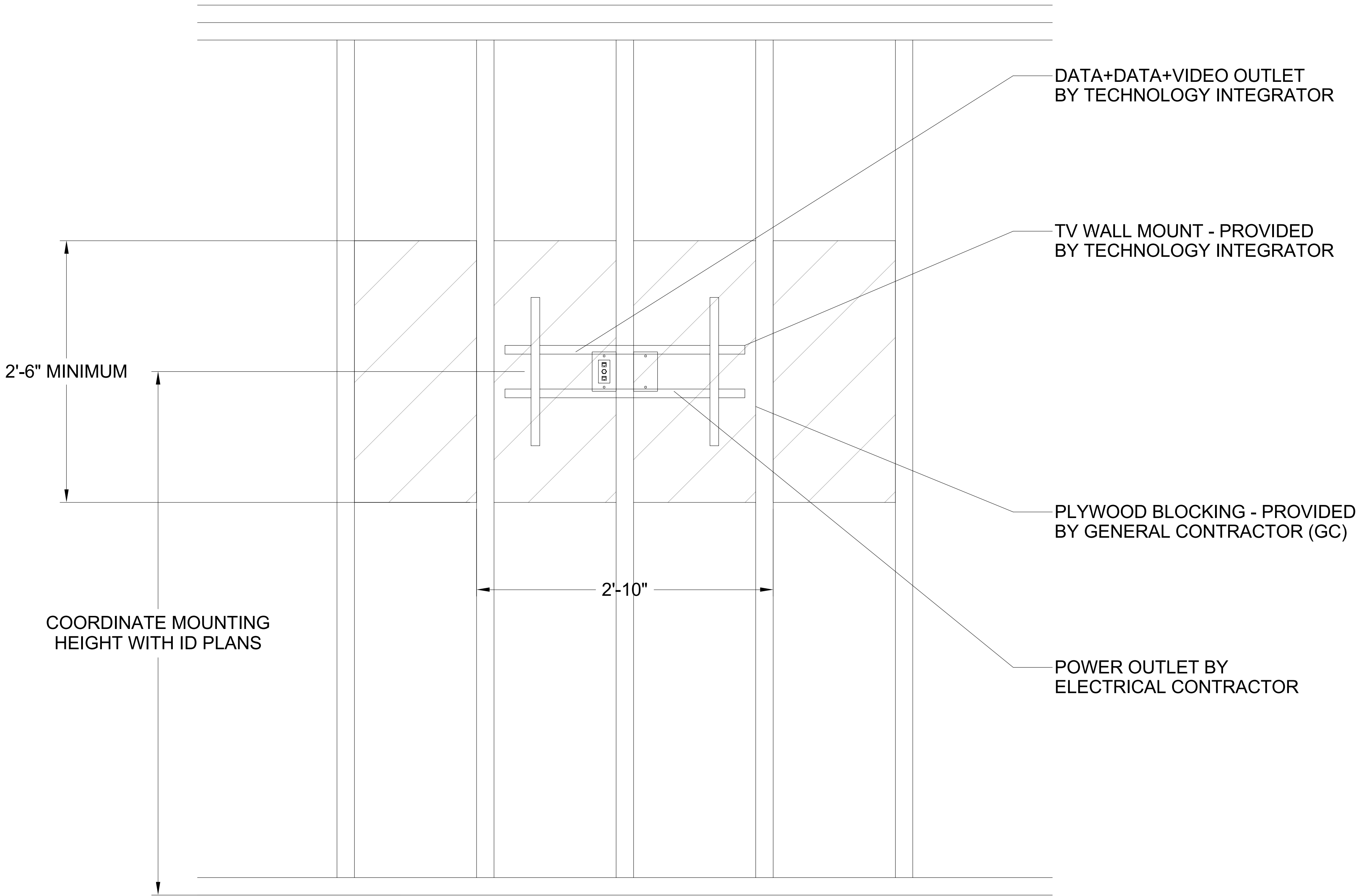
SHEET TITLE: DATACOMM/NETWORK SYSTEM DETAILS

SHEET NUMBER:

TD-500



1 COMMON AREA OUTLET CONNECTIVITY DIAGRAM
NTS



2 WALL MOUNTED TV BLOCKING DETAIL
NTS

DATACOMM/NETWORK PLAN SYMBOL LEGEND:	
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WM FM	DUAL DATA-VOICE OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM TV	DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)
WM FM TV	DATA+DATA+VIDEO OUTLET (WALL MOUNTED / FLOOR OUTLET)

DATACOMM/NETWORK NOTES

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PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR MAILBOX & MAINT

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2029

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER: Designer

SYSTEM REVIEWER: Checker

ECS JOB NUMBER: EC-1023

SHEET INFORMATION

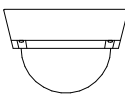
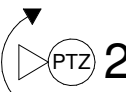
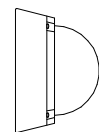
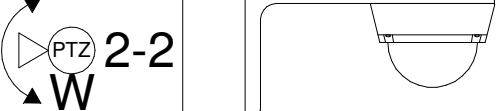
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SHEET NUMBER:

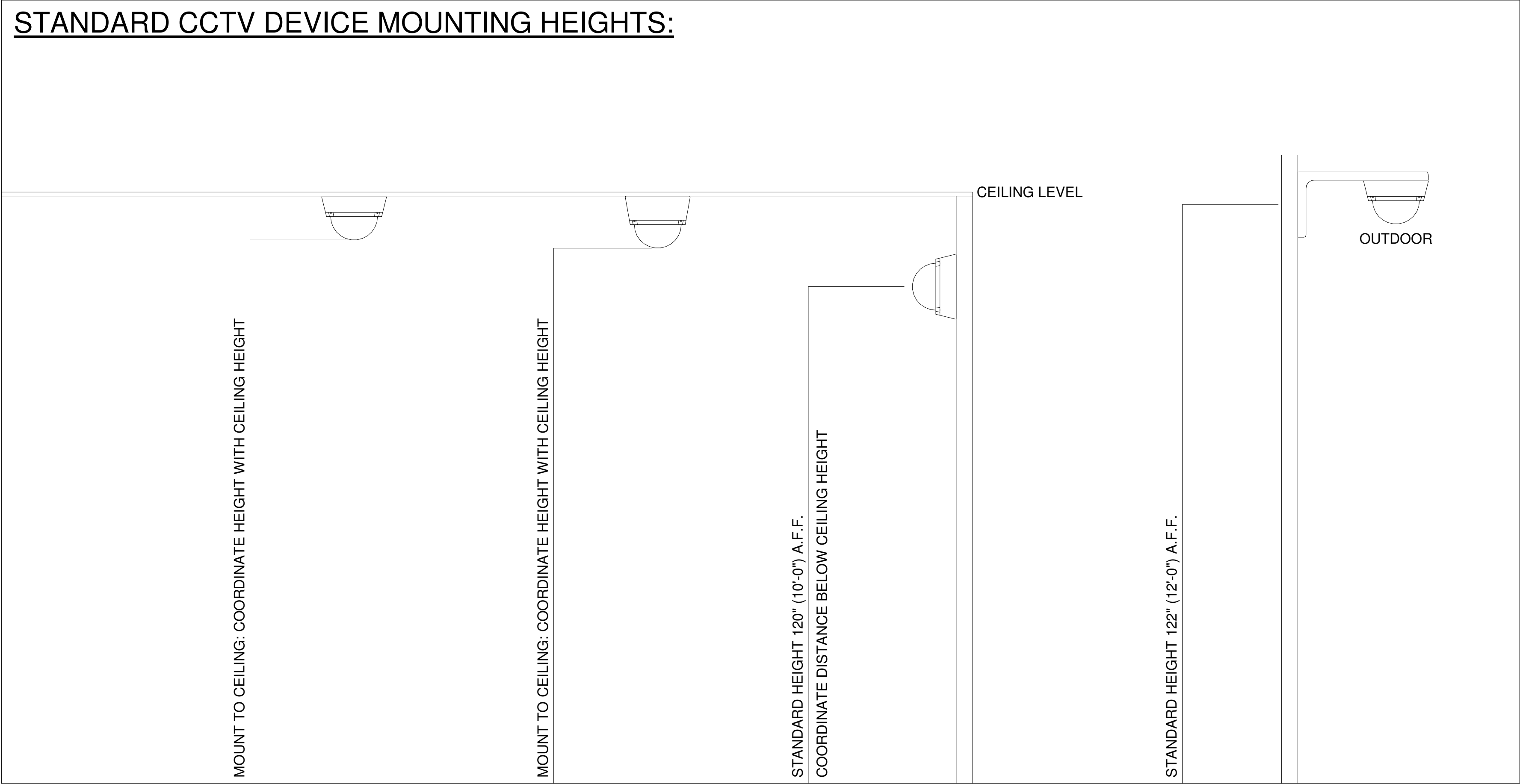
TD-501

CCTV CAMERA SYSTEM DRAWING INDEX

Sheet Number	Sheet Description	Issuance Title	Issue Date
Technology Set - CCTV Camera System Sheets			
TC-000	CCTV SYSTEM COVER SHEET	IFC SET	06.11.2021
TC-101	LEVEL 1 - CCTV SYSTEM LAYOUT	IFC SET	06.11.2021
TC-500	CCTV SYSTEM SCHEDULE & DETAIL	IFC SET	06.11.2021

CCTV PLAN SYMBOL LEGEND:			
SYMBOL	ELEVATION	CCTV SYSTEM DEVICE DESCRIPTION:	DEVICE REQUIRED CABLING:
<div>NVR</div>	SEE DETAIL ON SHEET TD-600	CCTV SYSTEM NETWORK VIDEO RECORDER (NVR) (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET	1-CAT6 TO NETWORK PATCH PANEL
<div>1-1</div>		CEILING MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)	1-CAT6 TO ASSOCIATED POE PATCH PANEL
<div>2-1</div>		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
<div>1-2</div>		WALL MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)	1-CAT6 TO ASSOCIATED POE PATCH PANEL
<div>2-2</div>		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
<div>J</div>	SIZING AS NEEDED	CCTV SYSTEM J-BOX	2-GANG BOX FOR ACCESS TO CCTV DEVICE FROM CONDUIT

STANDARD CCTV DEVICE MOUNTING HEIGHTS:



PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



EVERBASE
CONSULTING SOLUTIONS

DENVER | CO
P: 720-930-7775
O: 855-255-5521
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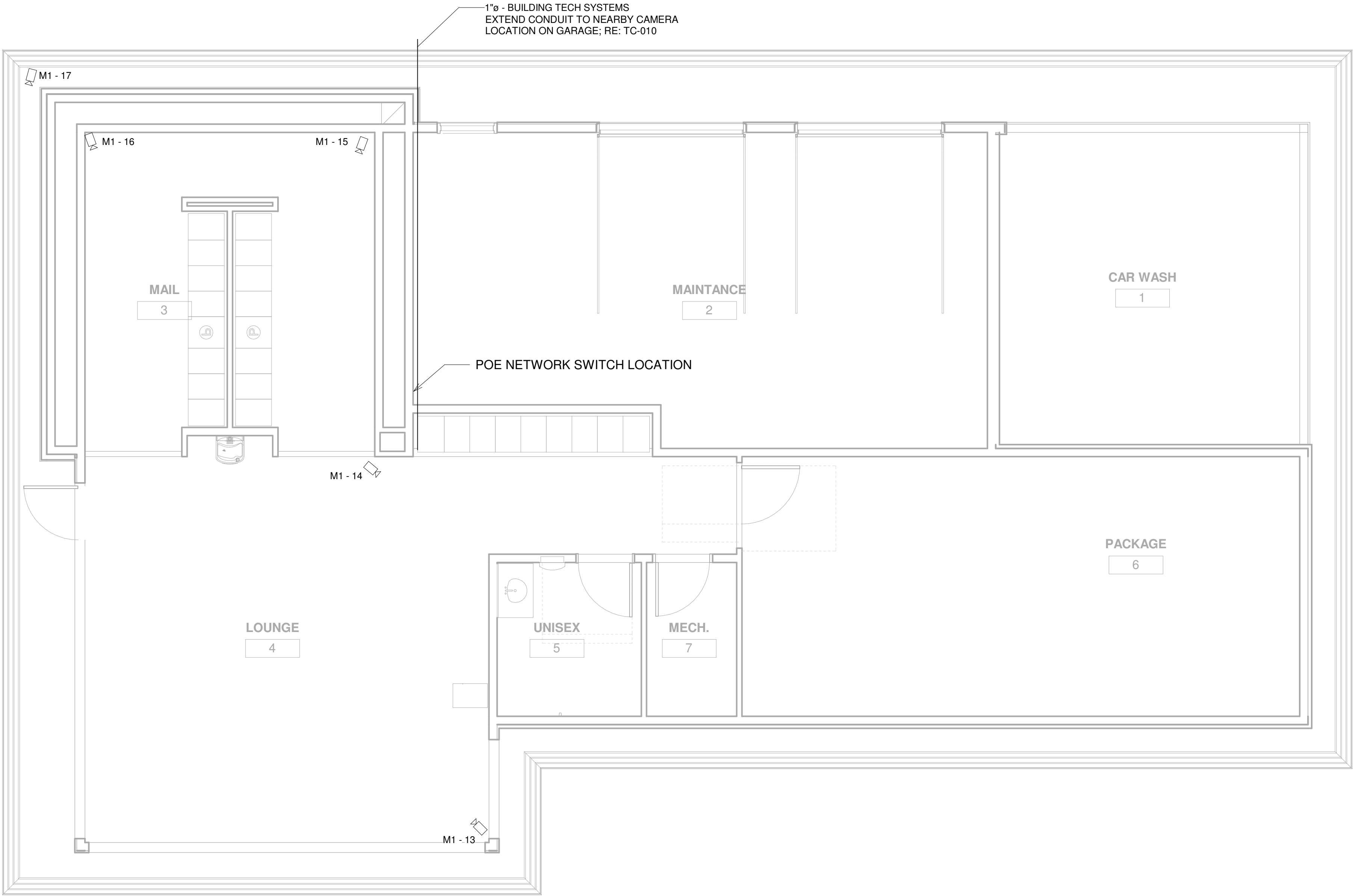
PROJECT INFORMATION

SUNDAR MAILBOX & MAINT

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE:	DATE:
IFC SET	06.11.2021
REVISION:	DATE:
DELTA:	
SYSTEM DESIGNER:	
SYSTEM REVIEWER:	Checker
ECS JOB NUMBER:	EC-1023
SHEET INFORMATION	
SHEET TITLE:	CCTV SYSTEM COVER SHEET
SHEET NUMBER:	

TC-000

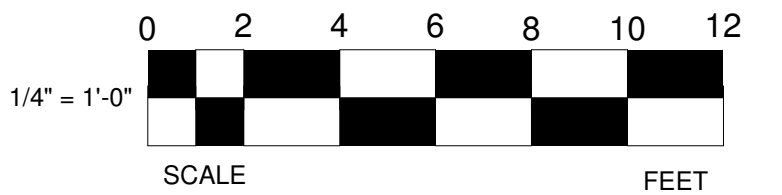


1 LEVEL 1 - CCTV LAYOUT
1/4" = 1'-0"

CCTV PLAN SYMBOL LEGEND:	
SYMBOL	CCTV SYSTEM DEVICE DESCRIPTION:
NVR	CCTV SYSTEM NETWORK VIDEO RECORDER (NVR) (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET
NS	POE NETWORK SWITCH (MOUNTED IN EQUIPMENT RACK) - REQUIRED POWER: 1 DUPLEX OUTLET
1-1	CEILING MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
2-1	CEILING MOUNTED PAN, TILT, ZOOM (PTZ) POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
1-2	WALL MOUNTED FIXED POSITION POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
2-2	WALL MOUNTED PAN, TILT, ZOOM (PTZ) POE I.P. DOME CAMERA (LEVEL - CAMERA NUMBER)
J	CCTV SYSTEM J-BOX

CCTV SYSTEM PLAN NOTES

- REFER TO SHEET TC-000 FOR STANDARD CCTV DEVICE MOUNTING HEIGHTS
- REFER TO CCTV DETAILS FOR CCTV SYSTEM DIAGRAM
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
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PROJECT INFORMATION

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DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2024
IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER: Checker

EC'S JOB NUMBER: EC-1023

SHEET INFORMATION
SHEET TITLE:
LEVEL 1 - CCTV SYSTEM LAYOUT

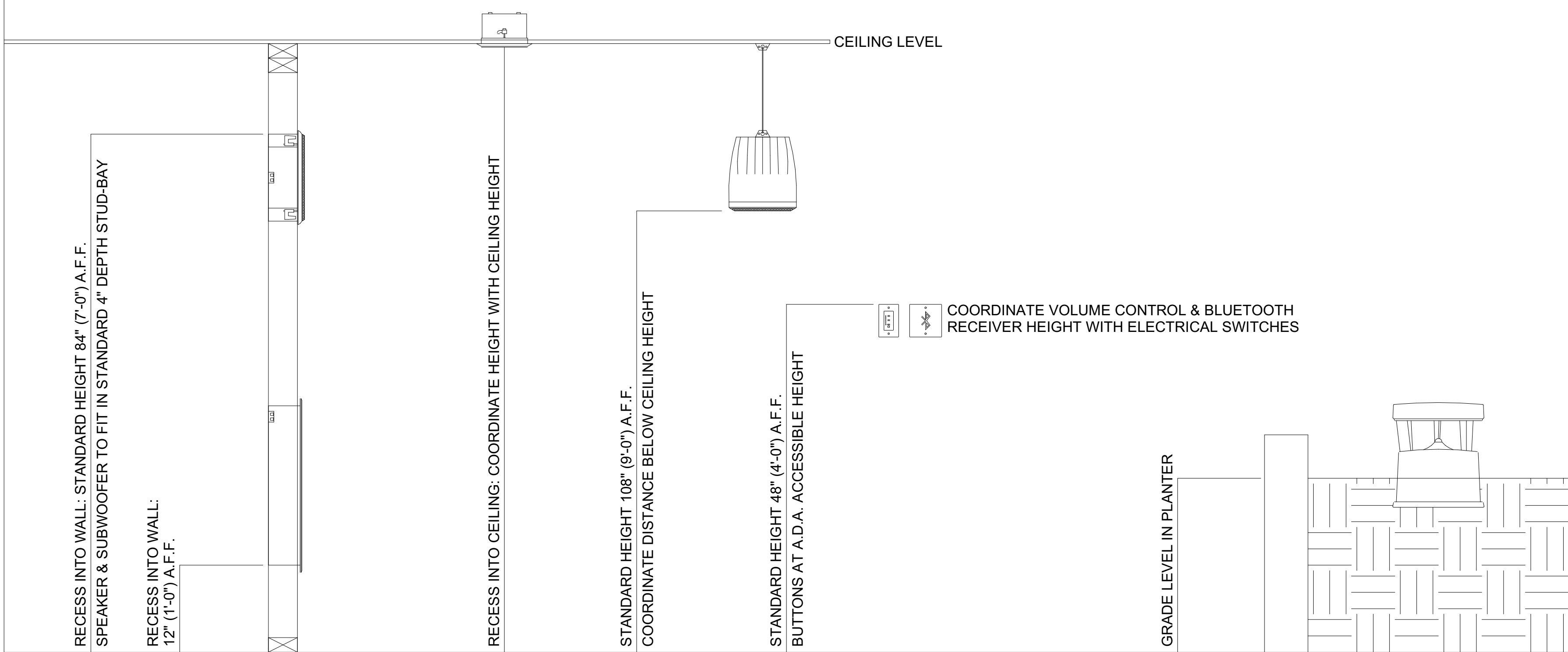
SHEET NUMBER:

TC-101

AUDIO SYSTEM DRAWING INDEX			
Sheet Number	Sheet Description	Issuance Title	Issue Date
Technology Set - Audio System Sheets			
TA-000	AUDIO SYSTEM COVER SHEET	IFC SET	06.11.2021
TA-101	LEVEL 1 - AUDIO SYSTEM LAYOUT	IFC SET	06.11.2021

AUDIO SYSTEM PLAN SYMBOL LEGEND:			
SYMBOL	ELEVATION	AUDIO SYSTEM DEVICE DESCRIPTION:	DEVICE REQUIRED CABLING:
AV	SIZING AS NEEDED	AV EQUIPMENT RACK (SEE ZONE DESCRIPTION FOR MOUNTING) - REQUIRED POWER: 1 FOURPLEX OUTLET ON DEDICATED CIRCUIT	1-CAT6 RACK TO NETWORK PATCH PANEL IN ASSOCIATED IDF ROOM
70v A-1		CEILING MOUNTED 70 VOLT SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
70v A-2		WALL MOUNTED 70 VOLT SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
70v A-3 P		PENDANT MOUNTED 70 VOLT SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
70v D-1 LND		LANDSCAPE 70 VOLT SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
VC A-1		ZONE VOLUME CONTROL (ZONE ID - DEVICE NUMBER)	1-14/2 STRANDED AUDIO CABLE, 1-CAT6: BLUE, & 1-16/2 STRANDED FOR POWER
BT A-1		ZONE BLUETOOTH RECEIVER (ZONE ID - DEVICE NUMBER)	1-3.5MM AUDIO CABLE & 1-16/2 STRANDED FOR POWER
SS S-1		CEILING MOUNTED 8 OHM STEREO SURROUND SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
SS S-2		WALL MOUNTED 8 OHM STEREO SURROUND SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
SS S-3 P		PENDANT CEILING MOUNTED 8 OHM STEREO SURROUND SPEAKER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE
SS S-4 SUB		STEREO SURROUND SUBWOOFER (ZONE ID - SPEAKER NUMBER)	1-14/2 STRANDED AUDIO CABLE

STANDARD AUDIO DEVICE MOUNTING HEIGHTS:



PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR MAILBOX & MAINT
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: IFC SET

DATE: 06.11.2021

REVISION:

DATE:

DELTA:

SYSTEM DESIGNER:

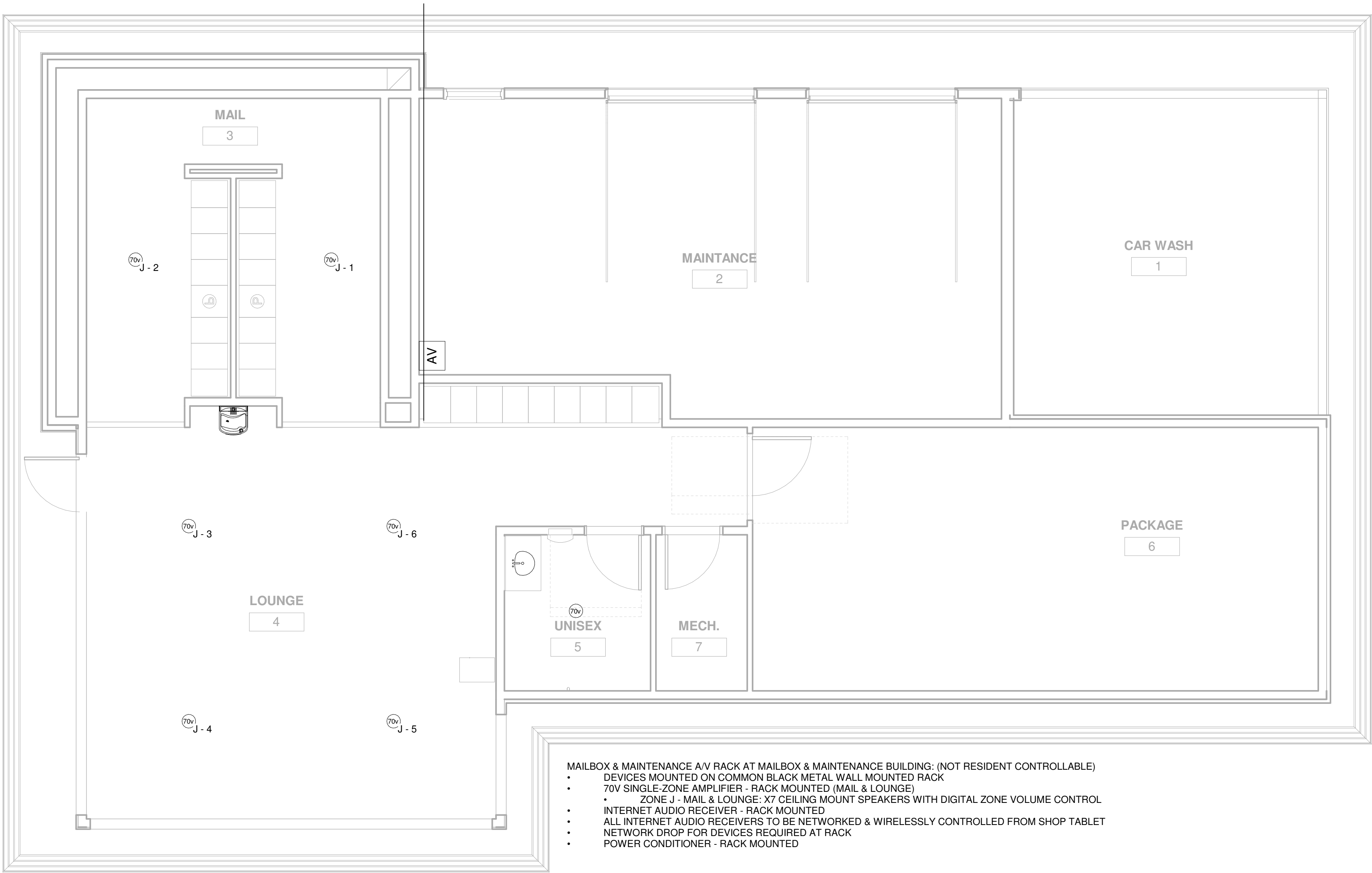
SYSTEM REVIEWER: Checker

ECs JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: AUDIO SYSTEM COVER SHEET

SHEET NUMBER: TA-000



- MAILBOX & MAINTENANCE A/V RACK AT MAILBOX & MAINTENANCE BUILDING; (NOT RESIDENT CONTROLLABLE)
- DEVICES MOUNTED ON COMMON BLACK METAL WALL MOUNTED RACK
 - 70V SINGLE-ZONE AMPLIFIER - RACK MOUNTED (MAIL & LOUNGE)
 - ZONE J - MAIL & LOUNGE: X7 CEILING MOUNT SPEAKERS WITH DIGITAL ZONE VOLUME CONTROL
 - INTERNET AUDIO RECEIVER - RACK MOUNTED
 - ALL INTERNET AUDIO RECEIVERS TO BE NETWORKED & WIRELESSLY CONTROLLED FROM SHOP TABLET
 - NETWORK DROP FOR DEVICES REQUIRED AT RACK
 - POWER CONDITIONER - RACK MOUNTED

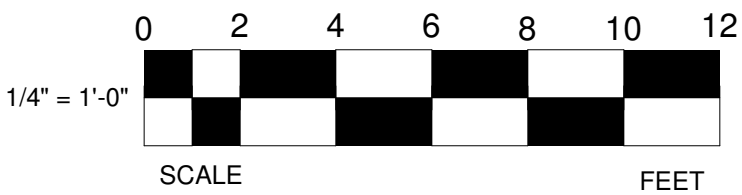
AUDIO PLAN SYMBOL LEGEND:	
SYMBOL	AUDIO SYSTEM DEVICE DESCRIPTION:
AV	AV EQUIPMENT RACK (SEE ZONE DESCRIPTION FOR MOUNTING) - REQUIRED POWER: 1 FOURPLEX OUTLET ON DEDICATED CIRCUIT
70v A-1	CEILING MOUNTED 70 VOLT SPEAKER (ZONE ID - SPEAKER NUMBER)
70v A-2	WALL MOUNTED 70 VOLT SPEAKER (ZONE ID - SPEAKER NUMBER)
70v A-3 P	PENDANT CEILING MOUNTED 70 VOLT SPEAKER (ZONE ID - SPEAKER NUMBER)
70v D-1 LND	LANDSCAPE 70 VOLT SPEAKER (ZONE ID - SPEAKER NUMBER)
VC A-1	ZONE VOLUME CONTROL (ZONE ID - DEVICE NUMBER)
BT A-1	ZONE BLUETOOTH RECEIVER (ZONE ID - DEVICE NUMBER)
SS S-1	CEILING MOUNTED 8 OHM STEREO SURROUND SPEAKER (ZONE ID - SPEAKER NUMBER)
SS S-2	WALL MOUNTED 8 OHM STEREO SURROUND SPEAKER (ZONE ID - SPEAKER NUMBER)
SS S-3 P	PENDANT CEILING MOUNTED 8 OHM STEREO SURROUND SPEAKER (ZONE ID - SPEAKER NUMBER)
SS S-4 SUB	STEREO SURROUND SUBWOOFER (ZONE ID - SPEAKER NUMBER)

AUDIO PLAN NOTES

- REFER TO SHEET TA-000 FOR STANDARD AUDIO DEVICE MOUNTING HEIGHTS
- REFER TO AUDIO DETAIL SHEETS FOR AUDIO SYSTEM DIAGRAMS
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT, SLEEVING & PULL BOX BY INSTALLING CONTRACTOR

1 LEVEL 1 - AUDIO LAYOUT

1/4" = 1'-0"



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TECHNOLOGY CONSULTANT

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

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SUNDAR MAILBOX & MAINT

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2024

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER: Checker


EC'S JOB NUMBER: EC-1023

SHEET INFORMATION

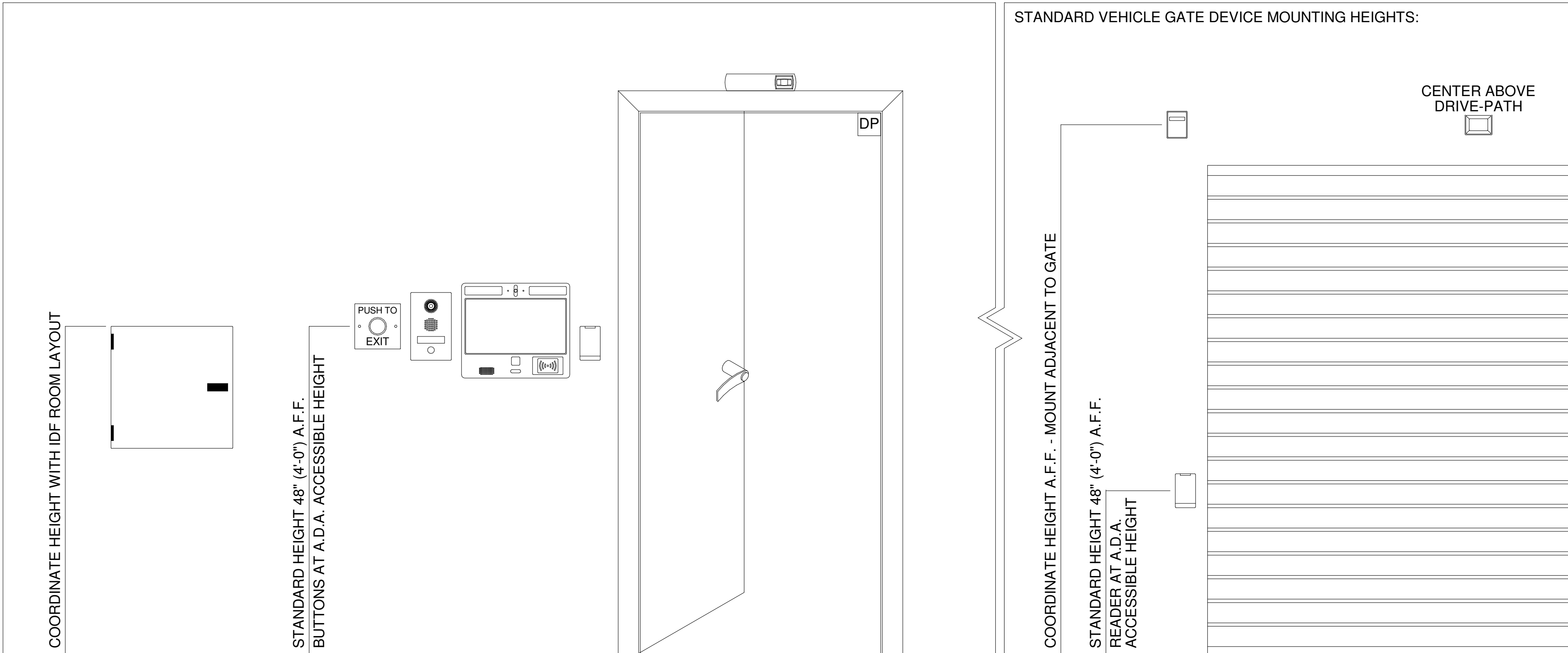
SHEET TITLE: LEVEL 1 - AUDIO SYSTEM LAYOUT

SHEET NUMBER: TA-101

ACCESS CONTROL SYSTEM DRAWING INDEX			
Sheet Number	Sheet Description	Issuance Title	Issue Date
Technology Set - Access Control System			
TR-000	ACCESS CONTROL SYSTEM COVER SHEET	IFC SET	06.11.2021
TR-101	LEVEL 1 - ACCESS CONTROL SYSTEM LAYOUT	IFC SET	06.11.2021
TR-500	ACCESS CONTROL SYSTEM DOOR & LOCK SCHEDULE	IFC SET	06.11.2021
TR-501	ACCESS CONTROL SYSTEM DOOR DETAILS	IFC SET	06.11.2021
TR-600	ACCESS CONTROL SYSTEM ONE-LINE DIAGRAM	IFC SET	06.11.2021

ACCESS CONTROL PLAN SYMBOL LEGEND:			
SYMBOL	ELEVATION	ACCESS CONTROL SYSTEM DEVICE DESCRIPTION:	DEVICE REQUIRED CABLING:
AP#		ACCESS CONTROL PANEL & POWER SUPPLY (WALL MOUNTED) - REQUIRED POWER: 1 DUPLEX OUTLET	1-CAT6 RACK TO NETWORK SWITCH IN ASSOCIATED IDF ROOM, 1-2 CONDUCTOR STRANDED CABLE TO FIRE ALARM RELAY
DP	 <div>RECESSED IN FRAME RECESSED IN DOOR</div>	DOOR POSITION SENSOR (MOUNTED TO DOOR FRAME)	1-22/2 STRANDED TO ASSOCIATED ACCESS CONTROL PANEL
EB		REQUEST TO EXIT BUTTON (WALL MOUNTED WITH BUTTON AT A.D.A. ACCESSIBLE HEIGHT)	1-18/4 STRANDED TO LOCK POWER
IC		INTERCOM (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)	TYPICAL: 1-CAT6, 1-16/2, 2-16/4 TO RECEPTION LOCATION (CONFIRM WITH PRODUCT LITERATURE)
PS	SIZING AS NEEDED	DOOR HARDWARE POWER SUPPLY - COORDINATE REQUIRED POWER & MOUNTING WITH ELECTRICAL CONTRACTOR (MUST BE ACCESSIBLE FOR MAINTENANCE)	COORDINATE REQUIRED CABLING WITH DOOR HARDWARE VENDOR & ELECTRICAL CONTRACTOR
REX		REQUEST TO EXIT MOTION SENSOR (WALL MOUNTED, CENTERED ABOVE DOOR)	1-22/4 STRANDED TO ASSOCIATED ACCESS CONTROL PANEL
RF		RADIO FREQUENCY (RF) RECEIVER FOR VEHICLE GATE (WALL MOUNT WITH LINE-OF-SITE TO DRIVE-PATH)	1-22/8 STRANDED TO ASSOCIATED ACCESS CONTROL PANEL/GATE OPERATOR
TE		DIGITAL TELE-ENTRY (WALL MOUNTED WITH CALL BUTTONS AT A.D.A. ACCESSIBLE HEIGHT)	TYPICAL: 1-CAT6, 1-16/2, 2-16/4 TO RECEPTION LOCATION (CONFIRM WITH PRODUCT LITERATURE)
UHF		ULTRA-HIGH FREQUENCY (UHF) RECEIVER FOR VEHICLE GATE (WALL MOUNT WITH LINE-OF-SITE TO DRIVE-PATH)	1-22/8 STRANDED TO ASSOCIATED ACCESS CONTROL PANEL/GATE OPERATOR
<div>CR-1-01 ... AP1 ... ONL</div> 		CREDENTIAL READER (WALL MOUNTED) CR-LEVEL-READER NUMBER ACCESS CONTROL PANEL NUMBER READER FUNCTION: ONLINE (ONL) / STAND-ALONE (SA) ARCHITECTURAL DOOR NUMBER DOOR HARDWARE GROUP NUMBER	ACCESS CONTROL COMPOSITE CABLE (18/4,22/4,22/2,22/3PR) SHIELDED
J	SIZING AS NEEDED	ACCESS CONTROL SYSTEM J-BOX	SINGLE-GANG BOX FOR ACCESS TO ACCESS CONTROL DEVICE FROM CONDUIT

STANDARD ACCESS CONTROL DOOR DEVICE MOUNTING HEIGHTS:



PROJECT ARCHITECT

TECHNOLOGY CONSULTANT



DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR MAILBOX & MAINT
DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: IFC SET

DATE: 06.11.2021

REVISION:

DATE:

DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER:

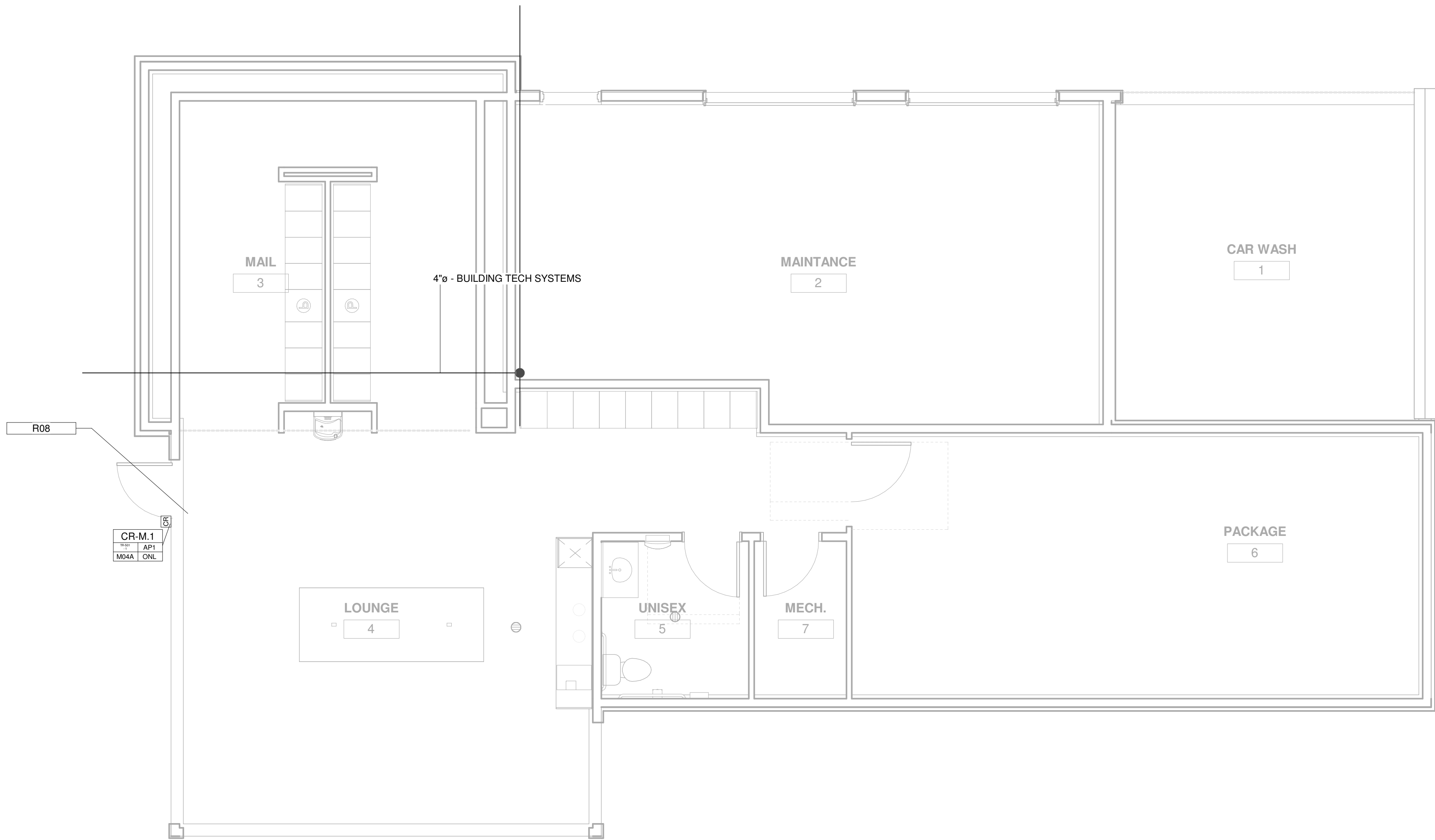
ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: ACCESS CONTROL SYSTEM COVER SHEET

SHEET NUMBER:

TR-000



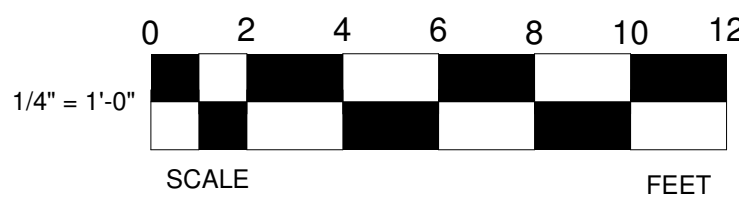
1 LEVEL 1 - ACCESS CONTROL LAYOUT
1/4" = 1'-0"

ACCESS CONTROL PLAN SYMBOL LEGEND:	
SYMBOL	ACCESS CONTROL SYSTEM DEVICE DESCRIPTION:
AP#	ACCESS CONTROL PANEL & POWER SUPPLY (WALL MOUNTED) - REQUIRED POWER: 1 DUPLEX OUTLET
DP	DOOR POSITION SENSOR (MOUNTED TO DOOR FRAME)
EB	REQUEST TO EXIT BUTTON (WALL MOUNTED WITH BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
IC	INTERCOM (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
PS	DOOR HARDWARE POWER SUPPLY - COORDINATE REQUIRED POWER & MOUNTING WITH ELEC. CONTRACTOR (MUST BE ACCESSIBLE FOR MAINT.)
REX	REQUEST TO EXIT MOTION SENSOR (WALL MOUNTED, CENTERED ABOVE DOOR)
TE	DIGITAL TELE-ENTRY (WALL MOUNTED WITH CALL BUTTONS AT A.D.A. ACCESSIBLE HEIGHT)
UHF	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
1-01	ACCESS CONTROL PANEL NUMBER
1-01	READER FUNCTION: ONLINE (ONLY) / STAND-ALONE (SA)
1-01	ARCHITECTURAL DOOR NUMBER
1-01	DOOR HARDWARE GROUP NUMBER

Keynote Legend	
Key Value	Keynote Text
R08	PULL CABLE TO STRIKE SIDE FOR ELECTRIC LOCK - TR-XXX SHEETS FOR DOOR DETAILS

ACCESS CONTROL NOTES

- REFER TO SHEET TR-000 FOR STANDARD ACCESS CONTROL DEVICE MOUNTING HEIGHTS
- REFER TO ACCESS CONTROL DETAIL SHEETS OR ACCESS CONTROL DOOR/SYSTEM DETAILS & PANEL DIAGRAMS
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
- ALL CABLING IS TO BE ROUTED THROUGH DESIGNATED CONDUIT. SLEEVING & PULL BOX BY INSTALLING CONTRACTOR
- ONE CREDENTIAL (FOB) TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS PER DESIGN
- PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS



PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR MAILBOX & MAINT

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2024

IFC SET

REVISION: DATE: DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER: Checker

ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: LEVEL 1 - ACCESS CONTROL SYSTEM LAYOUT

SHEET NUMBER:

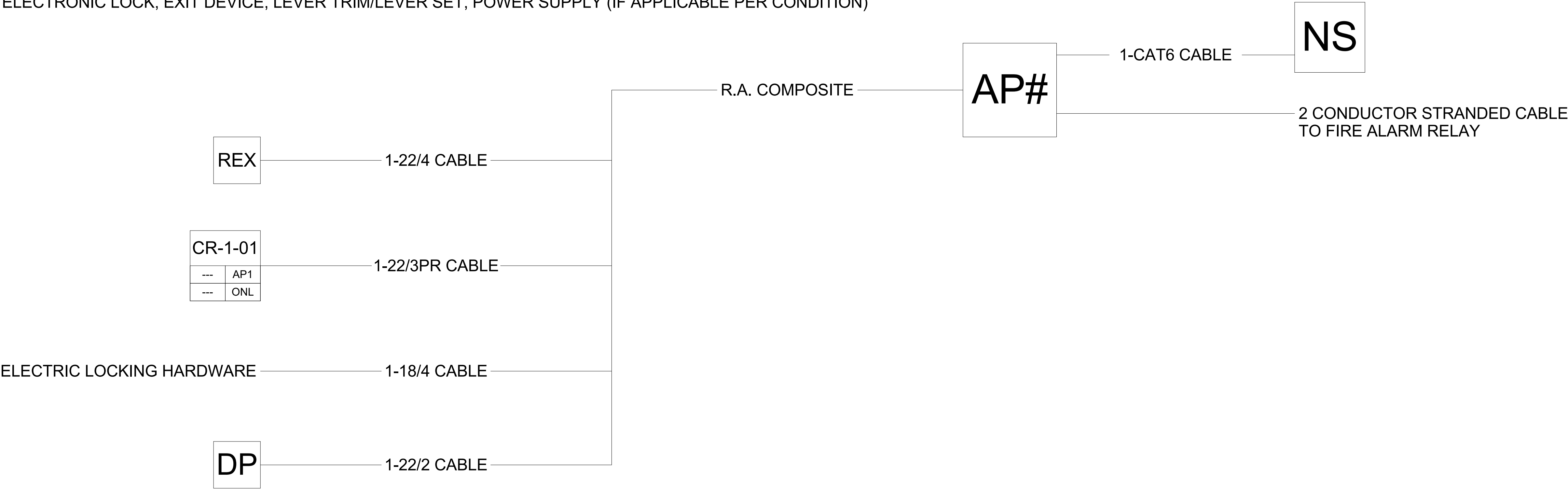
TR-101

ACCESS CONTROL DOOR & LOCK SCHEDULE

LEVEL	ARCH DOOR NUMBER	DOOR DESCRIPTION	CREDENTIAL READER ID	PANEL NUMBER	LOCKING DEVICE	LOCK FUNCTION	READER FUNCTION	DOOR TYPE	DOOR HARDWARE DETAIL (TR SHEET# - DETAIL #)	NOTES
LEVEL 1	M04A	MAILBOX BLDG LOUNGE	CR-M.1	AP1	ELECTRIC STRIKE WITH EXIT DEVICE	FAIL SECURE	ONL	SINGLE	TR-501 - 1	CREDENTIAL UPDATE READER

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)



1 ACCESS CONTROL SYSTEM CONNECTIVITY DIAGRAM
NTS

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

ACCESS CONTROL NOTES

- REFER TO SHEET TR-000 FOR STANDARD ACCESS CONTROL DEVICE MOUNTING HEIGHTS
- REFER TO ACCESS CONTROL DETAIL SHEETS OR ACCESS CONTROL DOOR/SYSTEM DETAILS & PANEL DIAGRAMS
- CABLE & CONDUIT ROUTING SUBJECT TO CHANGE BASED ON FIELD CONDITIONS
- ELECTRICAL CONTRACTOR TO PROVIDE POWER AS SPECIFIED
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS SPECIFIED
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- ONE CREDENTIAL (FOB) TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS PER DESIGN
- PHONE-BASED APP AS CREDENTIAL TO BE UTILIZED FOR BOTH ELECTRIFIED UNIT LOCKS & COMMON AREA LOCKS

PROJECT ARCHITECT

TECHNOLOGY CONSULTANT

DENVER | CO
P: 720-930-7775
O: 855-255-5521
WWW.EVERBASECONSULTING.COM

PROJECT INFORMATION

SUNDAR MAILBOX & MAINT

DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE: DATE: 06.11.2029

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REVISION: DATE: DELTA:

SYSTEM DESIGNER: Designer

SYSTEM REVIEWER: Checker

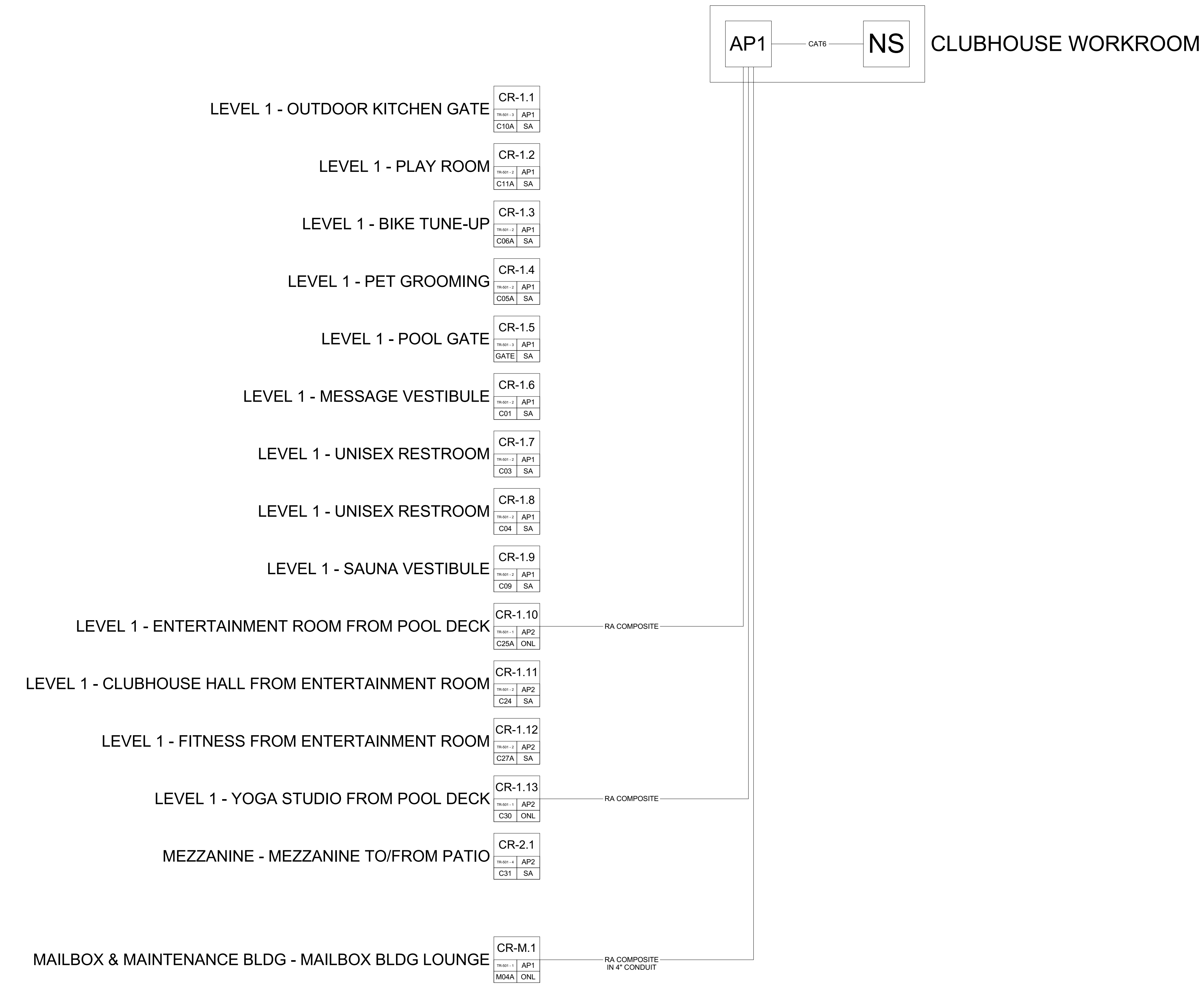
ECS JOB NUMBER: EC-1023

SHEET INFORMATION

SHEET TITLE: ACCESS CONTROL SYSTEM DOOR & LOCK SCHEDULE

SHEET NUMBER: TR-500

1 ACCESS CONTROL SYSTEM ONE-LINE DIAGRAM
NTS



ACCESS CONTROL PLAN SYMBOL LEGEND:	
SYMBOL	ACCESS CONTROL SYSTEM DEVICE DESCRIPTION:
AP#	ACCESS CONTROL PANEL & POWER SUPPLY (WALL MOUNTED) - REQUIRED POWER: 1 DUPLEX OUTLET
DP	DOOR POSITION SENSOR (MOUNTED TO DOOR FRAME)
EB	REQUEST TO EXIT BUTTON (WALL MOUNTED WITH BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
IC	INTERCOM (WALL MOUNTED WITH CALL BUTTON AT A.D.A. ACCESSIBLE HEIGHT)
PS	DOOR HARDWARE POWER SUPPLY - COORDINATE REQUIRED POWER & MOUNTING WITH ELEC. CONTRACTOR (MUST BE ACCESSIBLE FOR MAINT.)
REX	REQUEST TO EXIT MOTION SENSOR (WALL MOUNTED, CENTERED ABOVE DOOR)
TE	DIGITAL TELE-ENTRY (WALL MOUNTED WITH CALL BUTTONS AT A.D.A. ACCESSIBLE HEIGHT)
UHF	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
1-01	ACCESS CONTROL PANEL NUMBER
1-01	READER FUNCTION: ONLINE (ONLY) / STAND-ALONE (SA)
1-01	ARCHITECTURAL DOOR NUMBER
1-01	DOOR HARDWARE GROUP NUMBER

CABLE LEGEND

LINE TYPE		DESCRIPTION
CAT6	CAT6	1-CAT6 CABLE FOR DATANETWORK DEVICE INTERCONNECT & NETWORK DEVICE INTERCONNECT
MMFIBER	MMFIBER	1-MULTIMODE FIBER FOR NETWORK DEVICE INTERCONNECT - 4" DARK FIBERS TO BE INCLUDED FOR FUTURE NETWORK EXPANSION
R.A. COMP	R.A. 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 SENSON - 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 SENSON - 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
22/3PR	22/3PR	1-22/3PR 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 NOTES

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

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

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DILLON ROAD & SOUTH 122TH STREET
LAFAYETTE, COLORADO

ORIGINAL ISSUANCE:

DATE:

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REVISION:

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DELTA:

SYSTEM DESIGNER:

SYSTEM REVIEWER:

Checker

ECS JOB NUMBER:

EC-1023

SHEET INFORMATION

SHEET TITLE:

ACCESS CONTROL SYSTEM ONE-LINE DIAGRAM

SHEET NUMBER:

TR-600