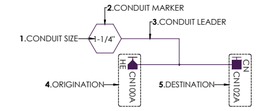
GUIDELINES FOR WIRE MANAGEMENT RACEWAYS AND CONDUITS:

THE FOLLOWING GUIDELINES REGARDING WIRE MANAGEMENT RACEWAY AND CONDUIT STANDARDIZATION ARE TO BE FOLLOWED ON THIS PROJECT.

CONDUIT DETAIL
LOCATED ON THE FLOOR PLAN ARE SYMBOLS FOR EACH CONDUIT ORIGINATION, DESTINATION AND SIZE. INCLUDED WITH EACH CONDUIT DETAIL IS A COMPILATION OF (5) PARTS.



1.CONDUIT SIZE
THE CONDUIT SIZE INDICATES THE DIAMETER OF THE CONDUIT TO BE USED.

2.CONDUIT MARKER
THE CONDUIT MARKER IS THE SYMBOL INDICATING THAT A CONDUIT IS PRESENT.

3.CONDUIT LEADER
THE CONDUIT LEADER ATTACHES THE CONDUIT MARKER TO THE CONDUIT DESTINATION/ORIGINATION LINE.

4.ORIGINATION
THE ORIGINATION SYMBOL INDICATES THE CONDUIT SYSTEM TYPE, ROOM NUMBER AND POSITION OF THE HEAD END. IN CASES WHERE A CONDUIT IS TERMINATED BETWEEN MULTIPLE FLOORS, AN ARROW WITH ROOM NUMBER WILL BE REPRESENTED IN PLACE OF THE ORIGINATION SYMBOL.

5.DESTINATION
THE DESTINATION SYMBOL INDICATES THE CONDUIT SYSTEM TYPE, ROOM NUMBER AND POSITION OF THE CONDUIT END POINT.

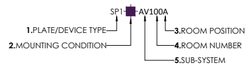
ORIGINATION POINT OF ALL CONDUITS
THE ORIGINATION POINT OF ALL CONDUITS WILL TYPICALLY INCLUDE THE DESIGNATION HE, IDF OR CPB (CONDUIT PULL BOX) SHOWN WITHIN THE DRAWINGS AND REFERENCED IN THE WIRE/CONDUIT SCHEDULE.

DESTINATION POINT OF ALL CONDUITS
THE DESTINATION POINT OF ALL CONDUITS WILL BE SPECIFIED WITHIN THE WIRE/CONDUIT SCHEDULE.

GUIDELINES FOR DEVICE DETAIL AND NUMBERING:

THE FOLLOWING GUIDELINES REGARDING WIRE MANAGEMENT, NUMBERING METHODOLOGY AND CABLE SHEATHING COLOR STANDARDIZATION ARE TO BE FOLLOWED ON THIS PROJECT.

DEVICE DETAIL
LOCATED ON THE FLOOR PLAN ARE SYMBOLS FOR EACH LOW VOLTAGE DEVICE. INCLUDED WITH EACH SYMBOL IS A COMPILATION OF (5) SPECIFIC ATTRIBUTES.



1.PLATE/DEVICE TYPE
THE PLATE OR DEVICE TYPE IS INDICATED BY 2 OR 3 ALPHA CHARACTERS WHICH REPRESENT THE DEVICE AT NOTED LOCATIONS (E.G. TV = TELEVISION, SP = SPEAKER, ETC.), THE NUMERIC CHARACTERS (E.G. 1, 2, 3, ETC.) FOLLOWING THE DEVICE TYPE REFERENCES THE SPECIFIC MANUFACTURE AND MODEL WITHIN THE DEVICE SCHEDULE.

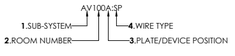
2.MOUNTING CONDITION
THE MOUNTING CONDITION REFERENCES THE POSITION IN WHICH THE PLATE OR DEVICE WILL BE MOUNTED (E.G. IN-WALL, IN-CEILING, ETC.). EACH SYMBOL CAN BE FOUND ON THE SYMBOL SCHEDULE WHICH IS LOCATED ON THE "TITLE SHEET" OR EACH FLOOR PLAN PAGE WITHIN THE DRAWING PACKAGE.

3.SUB-SYSTEM
THE SUB-SYSTEM REFERENCE IDENTIFIES WHICH SUB-SYSTEM EACH SYMBOL IS ASSOCIATED WITH.(E.G. **AV**100A = **A**UDIO **V**IDEO)

4.ROOM NUMBER
THE ROOM NUMBER REFERENCE IDENTIFIES THE ROOM IN WHICH THE DEVICE RESIDES. (E.G. AV**100**A = ROOM NUMBER **100**)

5.ROOM POSITION
THE ROOM POSITION REFERENCE IDENTIFIES THE UNIQUE LOCATION IN WHICH THE DEVICE IS LOCATED WITHIN A ROOM. (E.G. AV103**A** = LOCATION **A**)

WIRE LABELING
ALL INTERCONNECTS AND WIRES ARE TO BE LABELED AT BOTH "ORIGIN" LOCATION AND "DESTINATION" LOCATION WITH THE APPROPRIATE NUMBER. WIRE NUMBERS CAN BE DERIVED FROM THE WIRE/CONDUIT SCHEDULES. USING THE "WIRE ID" COLUMN, EACH WIRE IS LISTED WITH AN ASSOCIATED ALPHANUMERIC NUMBER (E.G. AV103A:SP).



THIS DESIGNATION SHALL BE MARKED ON THE WIRE USING A PANDUIT OR SIMILAR LABEL MAKER. THE METHODOLOGY OF WIRE NUMBERING IS AS FOLLOWS:

1. THE LEADING LETTERS OF A WIRE NUMBER REFER TO THE SUB-SYSTEM. THE SUB-SYSTEM REFERENCE IDENTIFIES WHICH SUB-SYSTEM EACH SYMBOL IS ASSOCIATED WITH. (E.G. AV100A = AUDIO VIDEO)

2. THE NUMBER FOLLOWING THE SUB-SYSTEM REFERS TO THE ROOM NUMBER. THE ROOM NUMBER REFERENCE IDENTIFIES THE ROOM IN WHICH THE DEVICE RESIDES. (E.G. AV100A = ROOM NUMBER 100)

3. THE LETTER FOLLOWING THE ROOM NUMBER REFERS TO THE ROOM POSITION. THE ROOM POSITION REFERENCE IDENTIFIES THE UNIQUE LOCATION IN WHICH THE DEVICE IS LOCATED WITHIN A ROOM. (E.G. AV103A = LOCATION A)

4. THE LETTERS FOLLOWING THE UNIQUE LOCATION IDENTIFIER REFER TO THE GENERAL WIRE TYPE. (E.G. AV100A:SP = SPEAKER WIRE)

IN SOME CASES MULTIPLE CABLES OF THE SAME TYPE WILL BE RUN TO THE SAME LOCATION. IN THESE INSTANCES A NUMBER IS ATTACHED AT THE END OF THE "WIRE ID" (E.G. AV100A:SP1 AND AV100A:SP2). A "WIRE STANDARDS" SPECIFICATION IS ATTACHED TO THE "WIRE/CONDUIT SCHEDULES". THE "WIRE STANDARDS" DOCUMENT WILL CALL OUT WIRE COMPOSITION AND SPECIFY WHICH MANUFACTURERS PRODUCT WILL BE AUTHORIZED FOR INSTALLATION.

ORIGINATION POINT OF ALL WIRES
THE ORIGINATION POINT OF ALL WIRES WILL TYPICALLY INCLUDE THE DESIGNATION HE, AV OR IDF SHOWN WITHIN THE DRAWINGS AND REFERENCED IN THE WIRE/CONDUIT SCHEDULE.

DESTINATION POINT OF ALL WIRES
THE DESTINATION POINT OF ALL WIRES WILL BE SPECIFIED WITHIN THE WIRE/CONDUIT SCHEDULE.

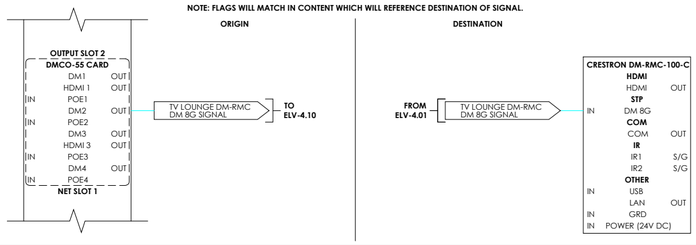
WIRE SCHEDULE

	WIRE ID	WIRE DESCRIPTION	WIRE APPLICATION	DEVICE TYPE	ORIGIN NAME	HEAD END LOCATION	ORIGIN POSITION	DESTINATION NAME	DESTINATION LOCATION	DESTINATION POSITION	NOTES
1	AV104D:SP1	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	TV LOUNGE	104AV	AV104A	TV LOUNGE	104	AV104D	SPLIT TO INDIVIDUAL RUNS
2	AV104D:SP2	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	TV LOUNGE	104AV	AV104A	TV LOUNGE	104	AV104D	SPLIT TO INDIVIDUAL RUNS
3	AV104D:SP3	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	TV LOUNGE	104AV	AV104A	TV LOUNGE	104	AV104D	SPLIT TO INDIVIDUAL RUNS
4	AV104E:SUB	14/2 Speaker Cable	Subwoofer Connection to Amplifier	A/V	TV LOUNGE	104AV	AV104A	TV LOUNGE	104	AV104E	
5	AV104F:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	TV LOUNGE	104AV	AV104A	TV LOUNGE	104	AV104F	
6	AV104G:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	TV LOUNGE	104AV	AV104A	TV LOUNGE	104	AV104G	

WIRE TYPE STANDARD

SUFFIX	WIRE DESCRIPTION	WIRE APPLICATION	DEVICE TYPE	MANUFACTURER	MODEL	COLOR		NOTES
KSU	Cat6 4-pr Cable	Telephone System Voice Extension	VOICE	BELDEN	2413	BLUE		Plenum Rated
LAN	Cat6 4-pr Cable	Local Area Network	DATA	BELDEN	2413	GREEN		Plenum Rated
UTP	Cat6 4-pr Cable	Data/Video	A/V	BELDEN	2413	YELLOW		Plenum Rated
SPARE	Cat6 4-pr Cable	Spare	A/V	BELDEN	2413	ORANGE		Plenum Rated
CX	RG6 Quad Shielded Coaxial Cable	Television Video/Audio/CATV/Satellite Service	A/V	BELDEN	7916AP	WHITE		Plenum Rated

NOTE: FLAGS WILL MATCH IN CONTENT WHICH WILL REFERENCE DESTINATION OF SIGNAL.



GENERAL DETAILS

- AV AUDIO/VIDEO HEAD END
- TV TELEVISION OUTLET
- TV TELEVISION FLOOR OUTLET
- TV TELEVISION OUTLET IN-CEILING
- AV AUDIO/VIDEO OUTLET
- SP SPEAKER IN-CEILING
- SP SPEAKER IN-WALL
- SJ SPEAKER JACK OUTLET
- SUB SUBWOOFER UNDER FLOOR
- SUB SUBWOOFER IN-WALL
- SUB SUBWOOFER IN ROOM/IN LANDSCAPE
- VC VOLUME CONTROL
- PJ PROJECTOR OUTLET IN-CEILING
- CATV CATV HEAD END
- SAT SAT ANTENNA
- CN CONDUIT OUTLET
- ART MOTORIZED CANVAS
- IDF AUDIO/VIDEO INTERMEDIATE DISTRIBUTION FRAME
- AVS DEDICATED CIRCUIT (TO DEDICATED A/V SUB PANEL)

ENTERTAINMENT SYMBOLS

- OC OVERLAY CONTROL HEAD END
- OC OVERLAY CONTROL DEVICE
- TP TOUCH PANEL IN-WALL
- TP WIRELESS TOUCH PANEL
- TS TEMPERATURE SENSOR

OVERLAY CONTROL SYMBOLS

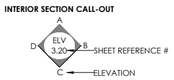
- COM COMMUNICATIONS HEAD END
- COM COMMUNICATIONS CONNECTION
- COM COMMUNICATIONS - FLOOR MOUNTED
- DP DOORPHONE
- WAP WIRELESS ACCESS POINT
- WFI DISTRIBUTED ANTENNA SYSTEM - WIFI
- CEL DISTRIBUTED ANTENNA SYSTEM - CELLULAR
- IDF COMMUNICATIONS INTERMEDIATE DISTRIBUTION FRAME

COMMUNICATION SYMBOLS

- SEC SECURITY SYSTEM HEAD END
- SK SECURITY KEYPAD
- DS DOOR CONTACT
- WS WINDOW CONTACT
- AS ALARM SCREEN
- MD MOTION DETECTOR - CEILING MOUNTED
- MD MOTION DETECTOR - WALL MOUNTED
- AD AUDIBLE DEVICE
- GB GLASS BREAK DETECTOR
- SS SHOCK SENSOR
- SD SMOKE DETECTOR
- HD HEAT DETECTOR
- CO CARBON MONOXIDE SENSOR - CEILING MOUNTED
- CO CARBON MONOXIDE SENSOR - WALL MOUNTED
- SL SECURITY LIGHTING
- DR DOOR RELEASE - CEILING MOUNTED
- DR DOOR RELEASE - WALL MOUNTED
- AC ACCESS CONTROL KEYPAD
- RTE RELEASE TO EXIT BUTTON
- CC SURVEILLANCE CAMERA - CEILING MOUNTED
- CC SURVEILLANCE CAMERA - WALL MOUNTED
- FL FLOOD SENSOR
- PB PANIC BUTTON
- PB PANIC BUTTON (WIRED THROUGH FLOOR BOX)
- IS INTERCOM STATION
- CN CONDUIT OUTLET
- TV SECURITY MONITOR
- IDF SECURITY INTERMEDIATE DISTRIBUTION FRAME
- CN CONDUIT END POINT
- CPB CONDUIT PULL BOX

SECURITY/FIRE SYMBOLS

INTERIOR SECTION CALL-OUT



ARCHITECTURAL SYMBOL SCHEDULE

- AC = ACCESS CONTROL
- ACE = ACCESS CONTROL (EXTERIOR RUNS)
- ACS = ACCESS CONTROL SYSTEM
- AD = AUDIBLE DEVICE
- ART = ARTWORK (MOTORIZED CANVAS)
- AS = ALARM SCREEN
- AV = AUDIO/VIDEO
- AVS = AUDIO/VIDEO SYSTEM
- BD = BUS DEVICE
- CATV = CABLE TELEVISION
- CC = CLOSED CIRCUIT CAMERA
- CCE = CLOSED CIRCUIT CAMERA (EXTERIOR RUNS)
- CCTV = CLOSED CIRCUIT TELEVISION
- CEL = CELLULAR
- CN = CONDUIT
- CO = CARBON MONOXIDE
- CON = CONCEPTUAL (DRAWING SET)
- COM = COMMUNICATIONS
- CPB = CONDUIT PULL BOX
- CTA = CATEGORY CABLE - AUDIO
- CTV = CATEGORY CABLE - VIDEO
- CX = COAXIAL
- CXE = COAXIAL (EXTERIOR RUNS)
- DP = DOOR PHONE
- DPE = DOOR PHONE (EXTERIOR RUNS)
- DR = DOOR RELEASE
- DRE = DOOR RELEASE (EXTERIOR RUNS)
- DS = DOOR SENSOR
- DSE = DOOR SENSOR (EXTERIOR RUNS)
- ELV = ELECTRONIC LOW VOLTAGE (DRAWING SET)
- FL = FLOOD SENSOR
- FO = FIBER OPTIC
- GB = GLASS BREAK
- HD = HEAT DETECTOR
- HE = HEAD END
- HVAC = HEATING, VENTILATION AND AIR COOLING
- IDF = INTERMEDIATE DISTRIBUTION FRAME
- IS = INTERCOM STATION
- KSU = KEY SYSTEM UNIT
- LAN = LOCAL AREA NETWORK
- LANE = LOCAL AREA NETWORK (EXTERIOR RUNS)
- LC = LIFT CONTROL
- LL = LINE LEVEL
- MD = MOTION DETECTOR
- MDE = MOTION DETECTOR (EXTERIOR RUNS)
- MDF = MAIN DISTRIBUTION FRAME
- MS = MOISTURE SENSOR
- OC = OVERLAY CONTROL
- OCS = OVERLAY CONTROL SYSTEM
- PB = PANIC BUTTON
- PH = PHONE
- PJ = PROJECTOR
- RN = REMOTE NODE
- RP = REMOTE POWER
- RPE = REMOTE POWER (EXTERIOR RUNS)
- RTE = REQUEST TO EXIT
- RTEE = REQUEST TO EXIT (EXTERIOR RUNS)
- SAT = SATELLITE TELEVISION
- SEC = SECURITY SYSTEM
- SD = SMOKE DETECTOR
- SJ = SPEAKER JACK
- SK = SECURITY KEYPAD
- SL = SECURITY LIGHTING
- SP = SPEAKER
- SPE = SPEAKER (EXTERIOR RUNS)
- SS = SHOCK SENSOR
- SUB = SUBWOOFER
- TH = THERMOSTAT
- TN = THERMOSTAT NETWORK
- TP = TOUCH PANEL
- TS = TEMPERATURE SENSOR
- TV = TELEVISION
- UTP = UNSHIELDED TWISTED PAIR
- VC = VOLUME CONTROL
- WAP = WIRELESS ACCESS POINT
- WHA = WHOLE HOUSE AUDIO
- WHV = WHOLE HOUSE VIDEO
- WFI = WI-FI
- WS = WINDOW SENSOR

ABBREVIATIONS

BLOCK DIAGRAM SINGNAL LINE TYPES

- AUDIO
- VIDEO
- DIGITAL AUDIO
- OVERLAY CONTROL
- LAN
- POWER

SIGNAL LINE TYPES

SHEET INDEX

DRAWINGS INCLUDED WITHIN SPECIFICATION:

THERE ARE AN EXTENSIVE COLLECTION OF DRAWINGS PROVIDED WITH EACH SYSTEM SPECIFICATION. THESE DRAWINGS ARE ORGANIZED FUNCTIONALLY IN ACCORDANCE WITH THE FOLLOWING OUTLINE:

ELV-1.00 TITLE SHEET
THIS COVER PAGE CONTAINS THE TITLE BLOCK, PROJECT INFORMATION AND A DETAILED LISTING OF ALL NOTES AND SYMBOL DEFINITIONS USED THROUGHOUT THE PROJECT.

ELV-2.NN FLOORPLANS
THESE SERIES OF DRAWINGS ARE ORGANIZED BY LEVEL, PRESENTING THE LOCATIONS OF DEVICES, PRODUCT CALLOUTS AND CONSTRUCTION NOTES WITHIN THE FLOORPLANS.

ELV-3.NN DEVICE PLACEMENT ELEVATIONS AND SECTIONS
THESE SERIES OF DRAWINGS ARE ORGANIZED BY LEVEL, PRESENTING ROOM DETAILS WITHIN THE REFLECTED CEILING PLAN AND ELEVATIONS WITH DEVICES, ROOM PLATE DETAILS, HEAD END WIRING CABINETS AND DEMARCATION PANELS, ETC.

ELV-4.NN BLOCK DIAGRAMS
THESE SERIES OF DRAWINGS ARE ORGANIZED BY SYSTEM AND AREA TO PRESENT THE PHYSICAL CONNECTIVITY OF EACH SYSTEM.

ELV-5.NN DEVICE SCHEDULES
THESE SERIES OF DRAWINGS SUPPLY THE PRODUCT SPECIFIED AND CABLING ALLOWED.

DOCUMENTATION RIGHTS:

DRAWING DESCRIPTIONS

AXIOM DESIGN
Technology Concierge™
1526 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

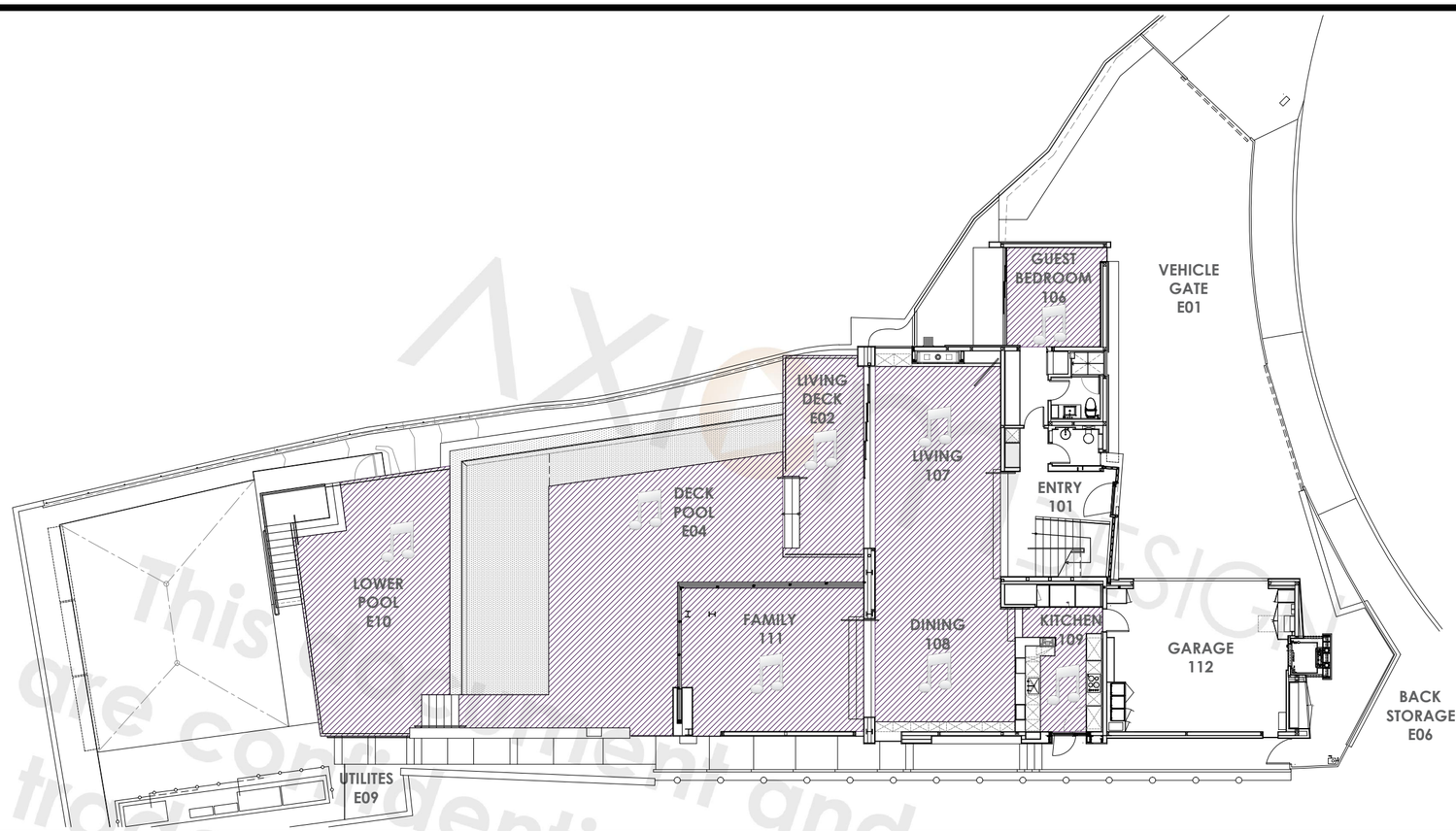
SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
TITLE SHEET

REVISIONS	BY

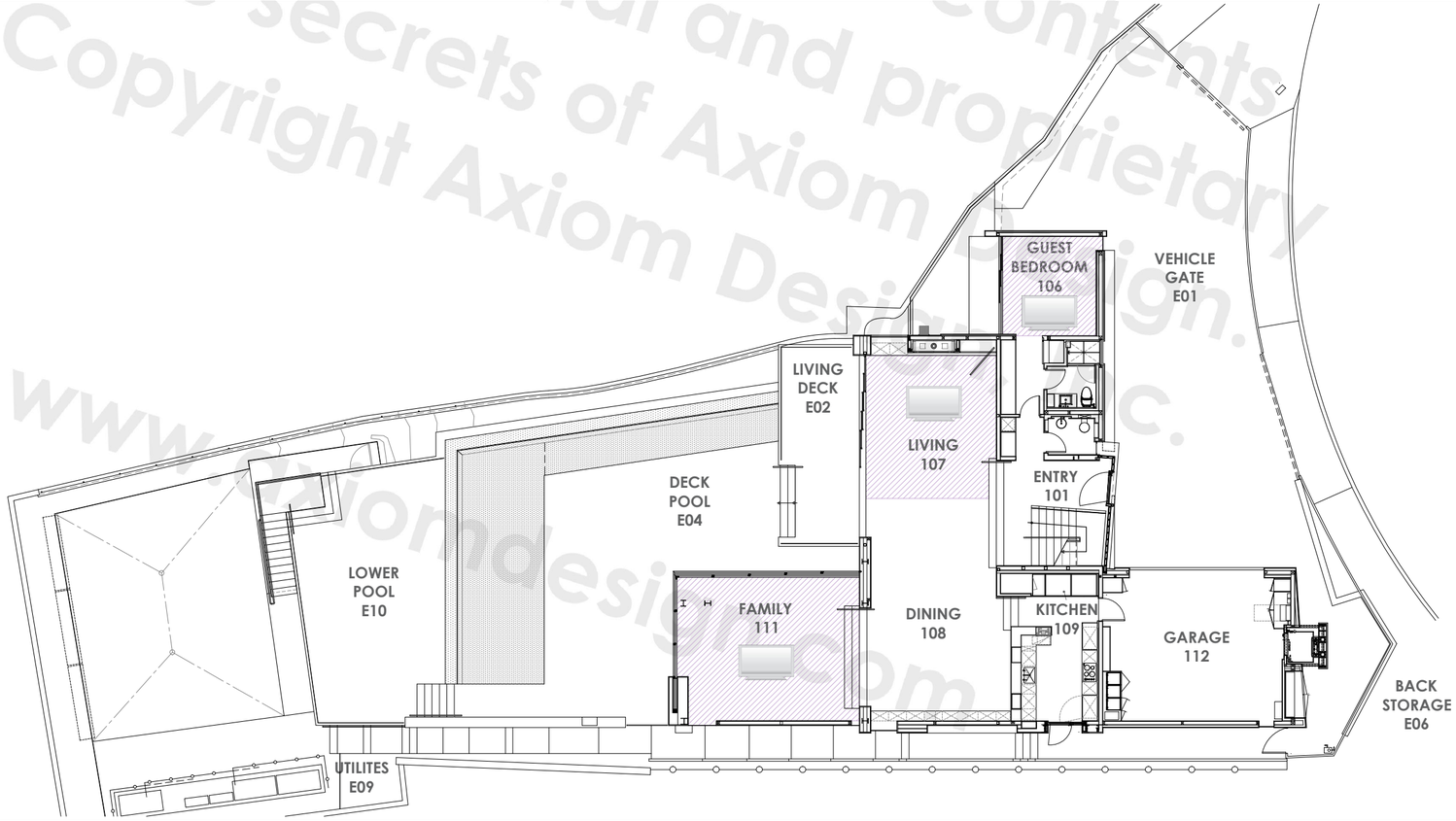
DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-1.00



A FIRST FLOOR DISTRIBUTED AUDIO COVERAGE

SCALE: 1/8"=1'-0"



B FIRST FLOOR DISTRIBUTED VIDEO COVERAGE

SCALE: 1/8"=1'-0"

AXIOM DESIGN
Technology Concierge™
7041 Koll Center Parkway, Suite 221 | Pleasanton, CA 94566 | www.axiomdesign.com | 925.414.2000

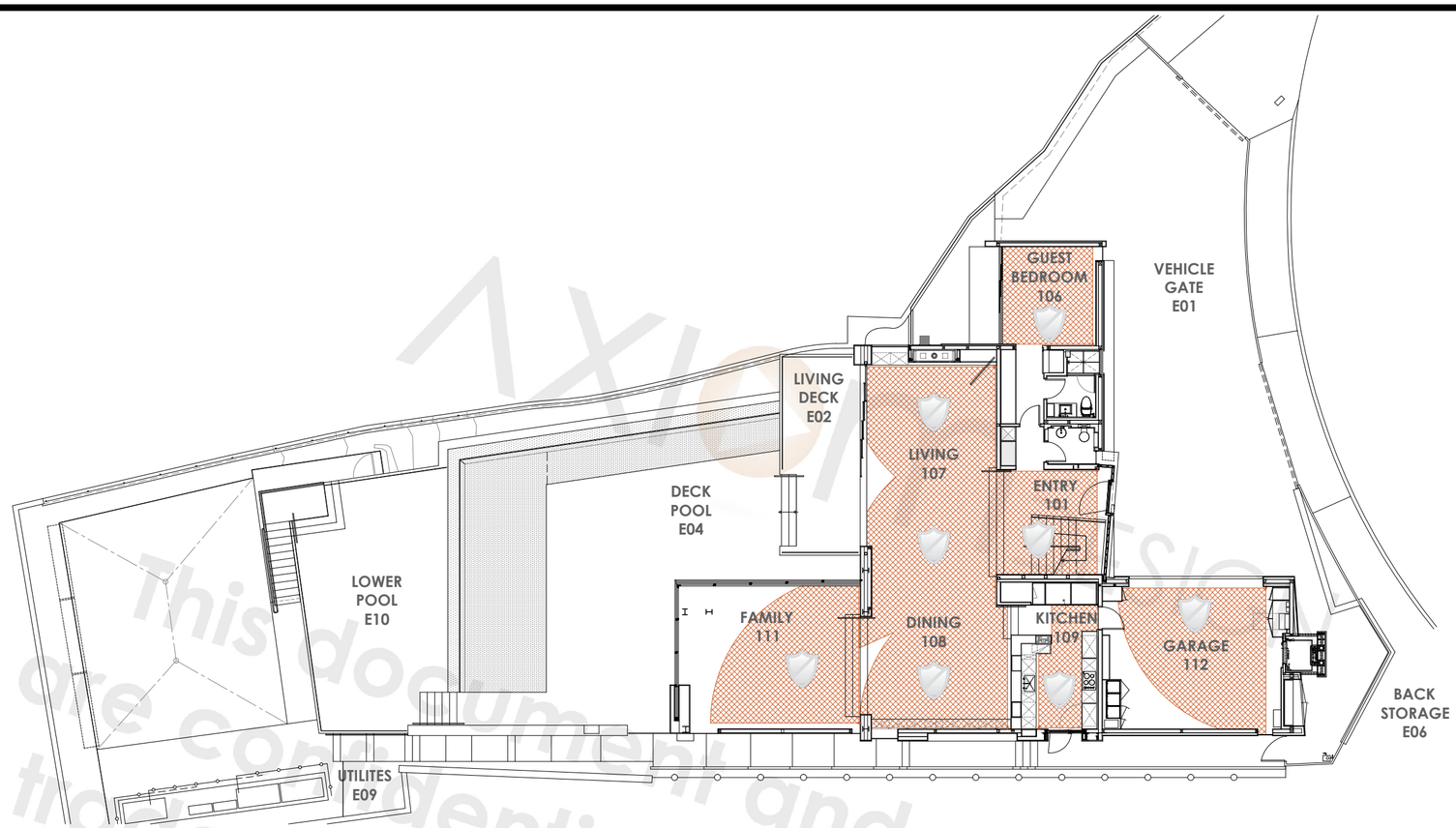
SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
CONCEPTUAL LAYOUT PLAN
FIRST FLOOR AUDIO VIDEO

REVISIONS	BY

DATE: 00-00-00
SCALE: AS NOTED
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

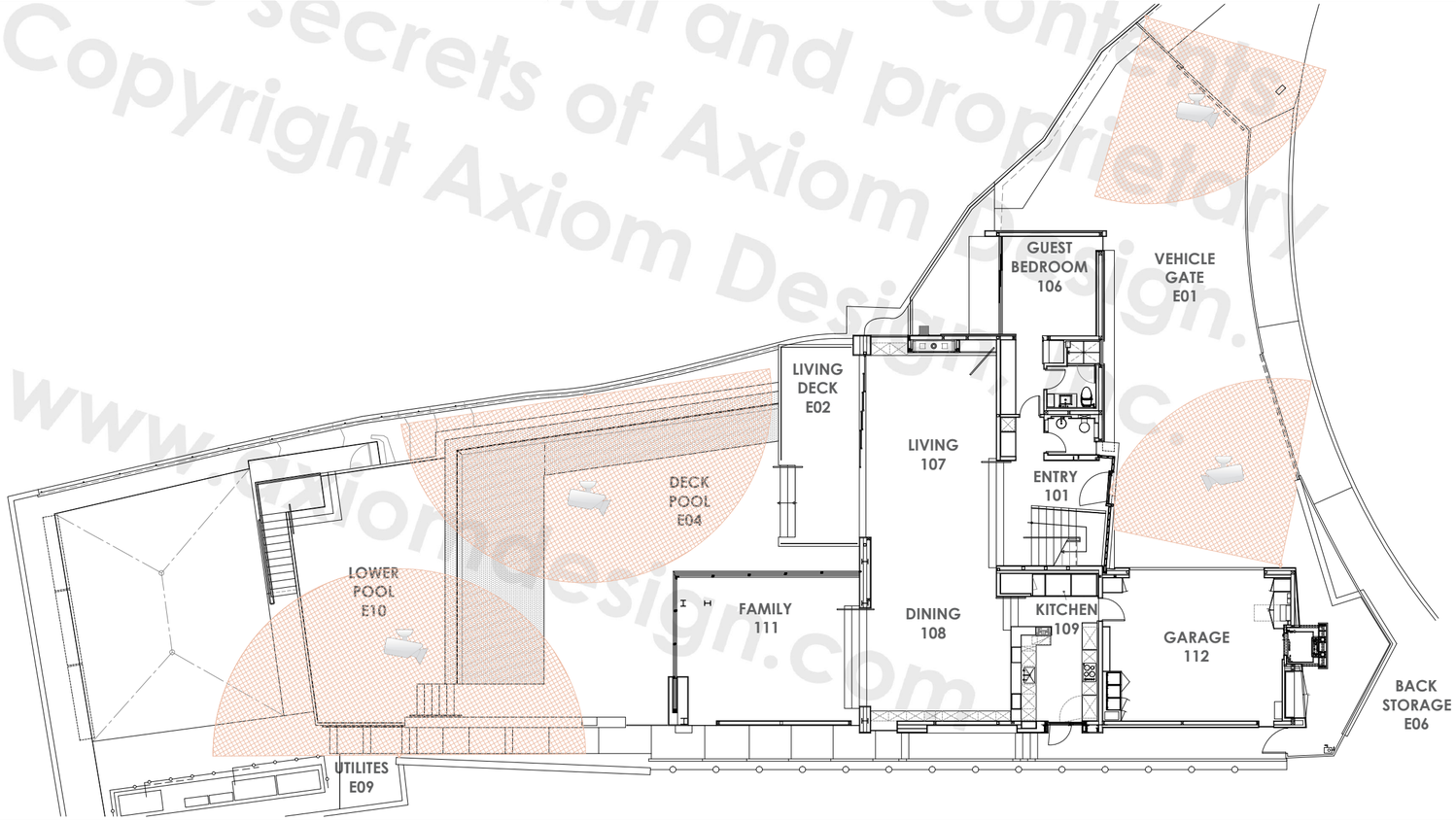
CON-2.10H



DETECTION COVERAGE

A FIRST FLOOR MOTION DETECTOR COVERAGE

SCALE: 1/8"=1'-0"



SURVEILLANCE COVERAGE

B FIRST FLOOR SURVEILLANCE COVERAGE

SCALE: 1/8"=1'-0"

AXIOM DESIGN
Technology Concierge™
1245 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

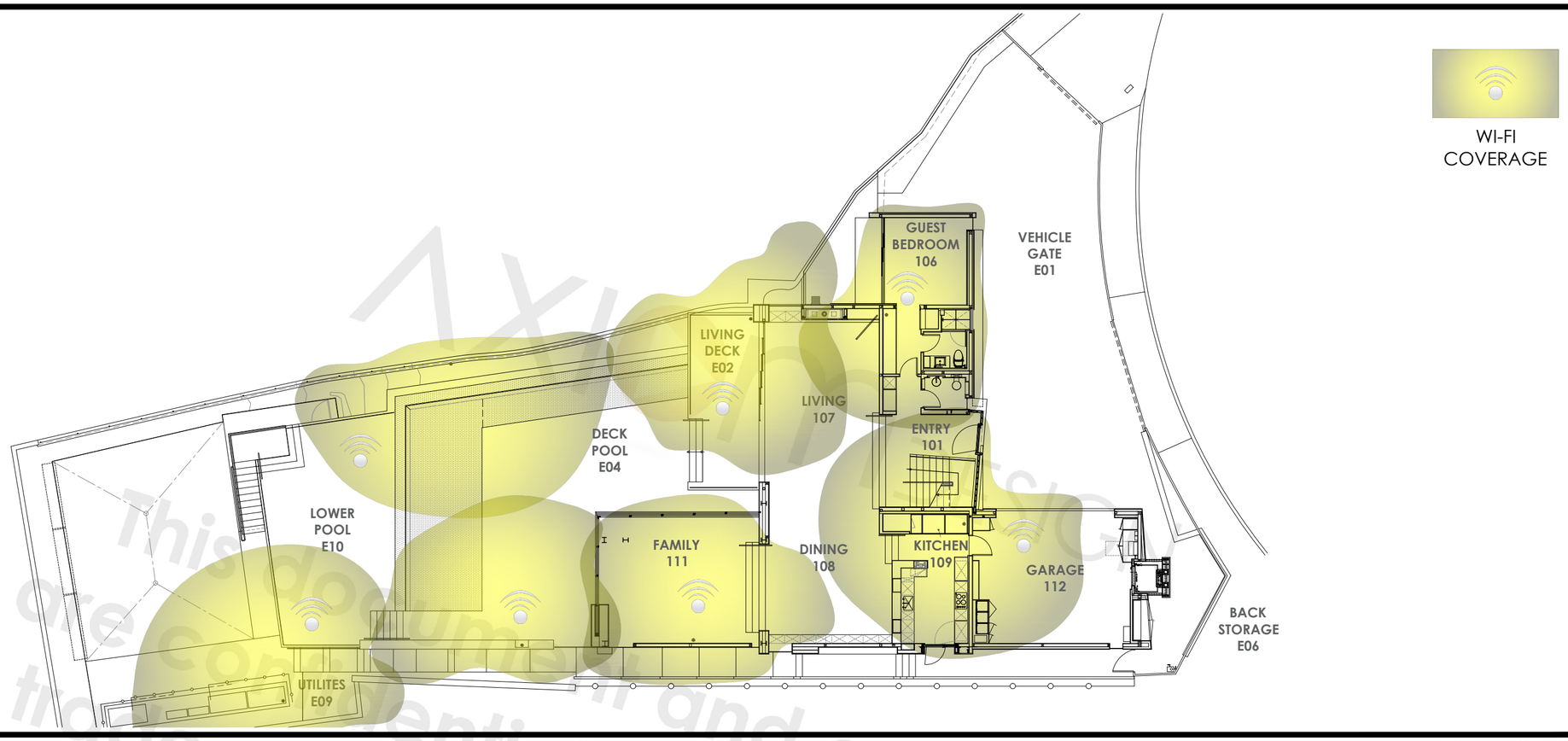
SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
CONCEPTUAL LAYOUT PLAN
FIRST FLOOR SECURITY

REVISIONS	BY

DATE: 00-00-00
SCALE: AS NOTED
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

CON-2.10S



A FIRST FLOOR WIFI COVERAGE

SCALE: 1/8"=1'-0"

AXIOM DESIGN
Technology Concierge™
1324 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
CONCEPTUAL LAYOUT PLAN
FIRST FLOOR WI-FI

REVISIONS	BY

DATE: 00-00-00
SCALE: AS NOTED
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

CON-2.11H

AXIOM DESIGN
Technology Concierge™
1245 Alamo Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT

1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

VEHICLE GATE E01
DP1 COM01A
BED ROOM DECK E03
BEDROOM 106
COM0 COM106A
SP1 AV106A
SP3 AV106B
TV3 AV106C
TV0 PWR106A
COM1 COM106B
SP1 AV106D
TP3 AV104A
COM1 COM104A
HALL CLOSET 104
BATH 105
ENTRY CLOSET 102
POWDER 103
ENTRY 101
TP2 AV104A
DP1 COME01B
COM3 COME02A
SUB1 AV107C
COM0 COM107A
SP1 AV107D
SP2 AVE04A
LIVING DECK E02
LIVING 107
COM2 COM104B
SP1 AV107E
SP1 AV107F
SP1 AV107G
SP2 AVE04B
DECK POOL E04
SP1 AV107H
SP1 AV107I
COM3 COM110A
COM1 COM112B
PANTRY 110
TP1 AV109A
SP1 AV109B
KITCHEN 109
SP1 AV109C
HE AV112A
HE COM112A
GARAGE 112
BACK STORAGE E06
PATIO E05
LOWER POOL E10
SP2 AV111A
SP1 AV111B
SP3 AV111C
TV1 AV111D
TV0 PWR111A
FAMILY 111
SP1 AV111E
SP1 AV111F
SP1 AV108I
SP1 AV108B
DINING 108
SP1 AV108C
SP1 AV108D
SUB1 AV108E
COM3 COME03A
COM3 COME04A
COM3 COME05A
COM3 COME06A
UTILITIES E09
ELV-2.15 B C
ELV-2.13 A B
ELV-2.14 B C
ELV-2.17 A B

SHEET NAME:
GENERAL DEVICE LAYOUT PLAN FIRST FLOOR AUDIO VIDEO

REVISIONS	BY

DATE:	00-00-00
SCALE:	1/4"=1'-0"
DESIGNER:	DESIGNER
DRAWN:	DRAWNBY
SHEET:	ELV-2.10H

VEHICLE GATE E01
BED ROOM DECK E03
BEDROOM 106
HALL CLOSET 104
BATH 105
POWDER 103
ENTRY CLOSET 102
ENTRY 101
LIVING DECK E02
LIVING 107
DECK POOL E04
LOWER POOL E10
FAMILY 111
DINING 108
PANTRY 110
KITCHEN 109
GARAGE 112
BACK STORAGE E06
PATIO E05
UTILITIES E09

AXIOM DESIGN
Technology Concierge™
1245 Alamo Broadway Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT

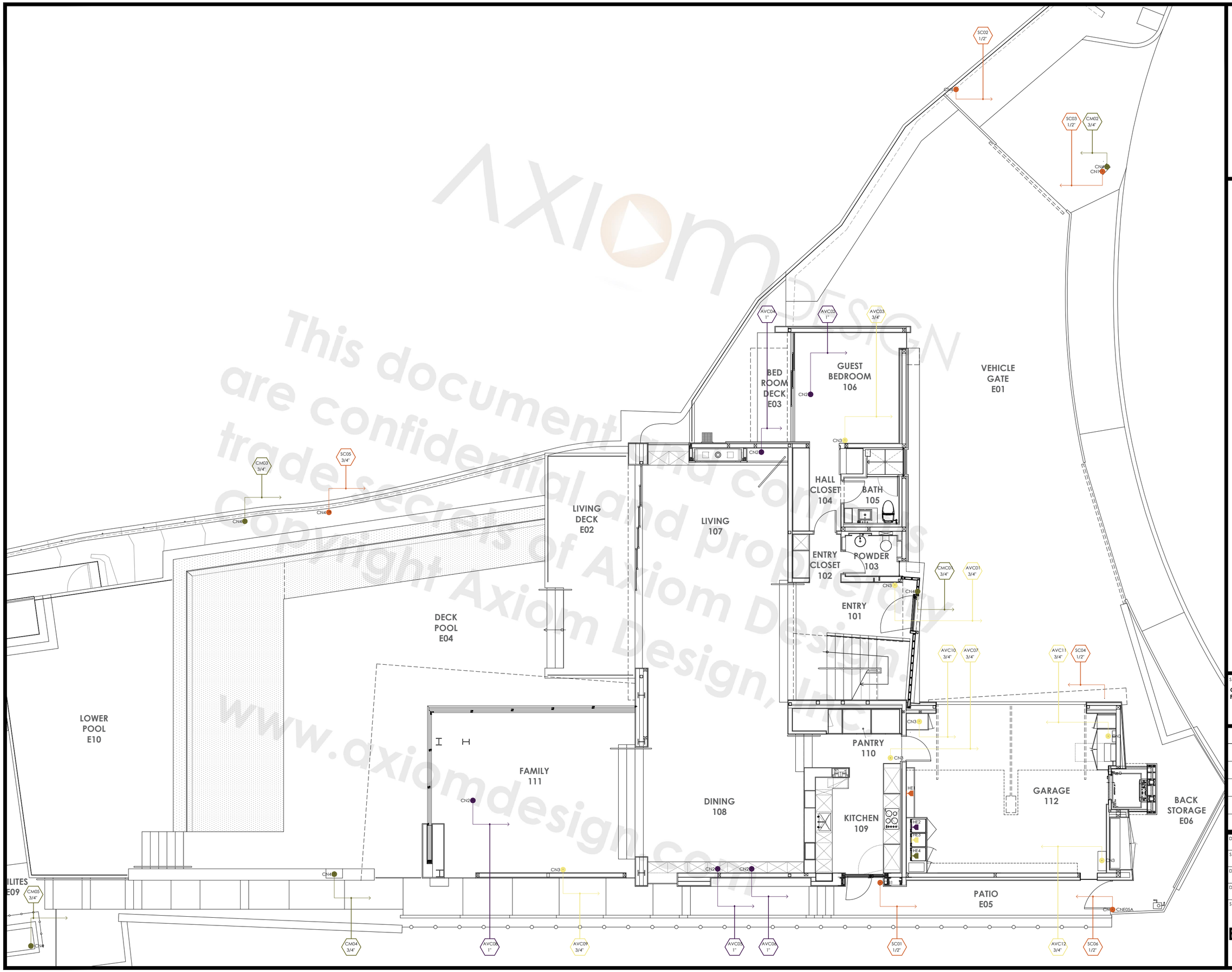
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
GENERAL DEVICE LAYOUT PLAN FIRST FLOOR SECURITY

REVISIONS	BY

DATE: 00-00-00
SCALE: 1/4"=1'-0"
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-2.10S



AXIOM DESIGN
Technology Concierge™

1526 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT

1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
CONDUIT LAYOUT PLAN FIRST FLOOR COMPOSITE

REVISIONS	BY

DATE: 00-00-00
SCALE: 1/4"=1'-0"
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-2.10CN

WIRE ID	WIRE DESCRIPTION	WIRE APPLICATION	DEVICE TYPE	ORIGIN NAME	HEAD END LOCATION	ORIGIN POSITION	DESTINATION NAME	DESTINATION LOCATION	DESTINATION POSITION	NOTES
AV101A:BD	22/2 TP & 18/2 w/GND Communications Cable	Bus Device	A/V	Garage Head End	112HE	AV112A	Front Entry	101	AV101A	
AV101A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	COM112A	Front Entry	101	AV101A	
AV104A:BD	22/2 TP & 18/2 w/GND Communications Cable	Bus Device	A/V	Garage Head End	112HE	AV112A	Guest Bedroom 106	106	AV104A	
AV104A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	COM112A	Guest Bedroom 106	106	AV104A	
AV106A:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Guest Bedroom 106	106	AV106A	
AV106D:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Guest Bedroom 106	106	AV106D	
AV107A:CX1	RG6 Quad Shielded Coaxial Cable	RF Cable for DSS, CATV and Satellite Radio	A/V	Garage Head End	112HE	AV112A	Living Room	107	AV107A	
AV107A:CX2	RG6 Quad Shielded Coaxial Cable	RF Cable for DSS, CATV and Satellite Radio	A/V	Garage Head End	112HE	AV112A	Living Room	107	AV107A	
AV107A:UTP1	Enhanced Cat 6 4-pr Cable	Undesignated UTP	A/V	Garage Head End	112HE	COM112A	Living Room	107	AV107A	
AV107A:UTP2	Enhanced Cat 6 4-pr Cable	Undesignated UTP	A/V	Garage Head End	112HE	COM112A	Living Room	107	AV107A	
AV107B:CX1	RG6 Quad Shielded Coaxial Cable	RF Cable for DSS, CATV and Satellite Radio	A/V	Garage Head End	112HE	AV112A	Living Room	107	AV107B	
AV107B:CX2	RG6 Quad Shielded Coaxial Cable	RF Cable for DSS, CATV and Satellite Radio	A/V	Garage Head End	112HE	AV112A	Living Room	107	AV107B	
AV107B:UTP1	Enhanced Cat 6 4-pr Cable	Undesignated UTP	A/V	Garage Head End	112HE	COM112A	Living Room	107	AV107B	
AV107B:UTP2	Enhanced Cat 6 4-pr Cable	Undesignated UTP	A/V	Garage Head End	112HE	COM112A	Living Room	107	AV107B	
AV107C:SUB	14/2 Speaker Cable	Subwoofer Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Living Room	107	AV107C	
AV107D:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Living Room	107	AV107D	
AV107F:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Living Room	107	AV107F	
AV107G:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Living Room	107	AV107G	
AV107I:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Living Room	107	AV107I	
AV108A:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	DINING ROOM	108	AV108A	
AV108E:SUB	14/2 Speaker Cable	Subwoofer Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Dining Room	108	AV108E	
AV108F:CX1	RG6 Quad Shielded Coaxial Cable	RF Cable for DSS, CATV and Satellite Radio	A/V	Garage Head End	112HE	AV112A	Dining Room	108	AV108F	
AV108F:CX2	RG6 Quad Shielded Coaxial Cable	RF Cable for DSS, CATV and Satellite Radio	A/V	Garage Head End	112HE	AV112A	Dining Room	108	AV108F	
AV108F:UTP1	Enhanced Cat 6 4-pr Cable	Undesignated UTP	A/V	Garage Head End	112HE	COM112A	Dining Room	108	AV108F	
AV108F:UTP2	Enhanced Cat 6 4-pr Cable	Undesignated UTP	A/V	Garage Head End	112HE	COM112A	Dining Room	108	AV108F	
AV108G:CX1	RG6 Quad Shielded Coaxial Cable	RF Cable for DSS, CATV and Satellite Radio	A/V	Garage Head End	112HE	AV112A	Dining Room	108	AV108G	
AV108G:CX2	RG6 Quad Shielded Coaxial Cable	RF Cable for DSS, CATV and Satellite Radio	A/V	Garage Head End	112HE	AV112A	Dining Room	108	AV108G	
AV108G:UTP1	Enhanced Cat 6 4-pr Cable	Undesignated UTP	A/V	Garage Head End	112HE	COM112A	Dining Room	108	AV108G	
AV108G:UTP2	Enhanced Cat 6 4-pr Cable	Undesignated UTP	A/V	Garage Head End	112HE	COM112A	Dining Room	108	AV108G	
AV109A:BD	22/2 TP & 18/2 w/GND Communications Cable	Bus Device	A/V	Garage Head End	112HE	AV112A	Kitchen	109	AV109A	
AV109A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	AV112A	Kitchen	109	AV109A	
AV109B:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Kitchen	109	AV109B	
AV111D:CX1	RG6 Quad Shielded Coaxial Cable	RF Cable for DSS, CATV and Satellite Radio	A/V	Garage Head End	112HE	AV112A	Family Room	111	AV111D	
AV111D:CX2	RG6 Quad Shielded Coaxial Cable	RF Cable for DSS, CATV and Satellite Radio	A/V	Garage Head End	112HE	AV112A	Family Room	111	AV111D	
AV111D:UTP1	Enhanced Cat 6 4-pr Cable	Undesignated UTP	A/V	Garage Head End	112HE	COM112A	Family Room	111	AV111D	
AV111D:UTP2	Enhanced Cat 6 4-pr Cable	Undesignated UTP	A/V	Garage Head End	112HE	COM112A	Family Room	111	AV111D	
AV111G:BD	22/2 TP & 18/2 w/GND Communications Cable	Bus Device	A/V	Garage Head End	112HE	AV112A	Family Room	111	AV111G	
AV111G:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	AV112A	Family Room	111	AV111G	
AVE04A:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Deck Pool	E04	AVE04A	
AVE04B:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Deck Pool	E04	AVE04B	
AVE04C:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Deck Pool	E04	AVE04C	
AVE04D:SP	14/2 Speaker Cable	Speaker Connection to Amplifier	A/V	Garage Head End	112HE	AV112A	Deck Pool	E04	AVE04D	
CN101A:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112B	Front Entry	101	CN101A	
CN106A:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112B	Bedroom 106	106	CN106A	
CN106B:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112B	Bedroom 106	106	CN106B	
CN107A:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112B	Living Room	107	CN107A	
CN108C:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112B	Dining Room	108	CN108C	
CN108D:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112B	Dining Room	108	CN108D	
CN109A:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112A	Kitchen	109	CN109A	
CN109B:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112B	Kitchen	109	CN109B	
CN111A:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112B	Family Room	111	CN111A	
CN111B:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112B	Family Room	111	CN111B	
CN112E:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112B	Garage	112	CN112E	
CN112F:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112B	Garage	112	CN112F	

WIRE ID	WIRE DESCRIPTION	WIRE APPLICATION	DEVICE TYPE	ORIGIN NAME	HEAD END LOCATION	ORIGIN POSITION	DESTINATION NAME	DESTINATION LOCATION	DESTINATION POSITION	NOTES
CN112G:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112B	Garage	112	CN112G	
CNE01A:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112A	Vehicle Gate	E01	CNE01A	
CNE01B:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112D	Vehicle Gate	E01	CNE01B	
CNE01C:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112A	Vehicle Gate	E01	CNE01C	
CNE01D:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112D	Vehicle Gate	E01	CNE01D	
CNE01E:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112A	Vehicle Gate	E01	CNE01E	
CNE04A:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112A	Deck Pool	E04	CNE04A	
CNE04B:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112D	Deck Pool	E04	CNE04B	
CNE04C:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112D	Deck Pool	E04	CNE04C	
CNE05A:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112A	Patio	E05	CNE05A	
CNE09A:CN1	Conduit	Wire Concealment	CN	Garage Head End	112HE	CN112D	Utilities	E09	CNE09A	
COM104A:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	AV112A	Hall Closet	104	COM104A	
COM104A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	AV112A	Hall Closet	104	COM104A	
COM104B:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	COM112A	HALL CLOSET	104	COM104B	
COM104B:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	AV112A	HALL CLOSET	104	COM104B	
COM106A:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	COM112A	Guest Bedroom 106	106	COM106A	
COM106A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	AV112A	Guest Bedroom 106	106	COM106A	
COM106B:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	AV112A	Guest Bedroom 106	106	COM106B	
COM106B:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	AV112A	Guest Bedroom 106	106	COM106B	
COM107A:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	AV112A	Living Room	107	COM107A	
COM107A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	COM112A	Living Room	107	COM107A	
COM108A:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	COM112A	Dining Room	108	COM108A	
COM108A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	AV112A	Dining Room	108	COM108A	
COM109A:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	COM112A	Kitchen	109	COM109A	
COM109A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	COM112A	Kitchen	109	COM109A	
COM110A:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	COM112A	Pantry	110	COM110A	
COM110A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	AV112A	Pantry	110	COM110A	
COM111A:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	COM112A	Family Room	111	COM111A	
COM111A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	AV112A	Family Room	111	COM111A	
COM111B:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	COM112A	FAMILY ROOM	111	COM111B	

AXIOM DESIGN
Technology Concierge™
1326 Ailanthus Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT

1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
WIRE INFRASTRUCTURE SCHEDULE 1

REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-2.80

WIRE ID	WIRE DESCRIPTION	WIRE APPLICATION	DEVICE TYPE	ORIGIN NAME	HEAD END LOCATION	ORIGIN POSITION	DESTINATION NAME	DESTINATION LOCATION	DESTINATION POSITION	NOTES
COM112B:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	COM112A	Garage	112	COM112B	
COME01A:DP	Enhanced Cat 6 4-pr Cable	Door Phone Station	VOICE	Garage Head End	112HE	COM112A	Vehicle Gate	E01	COME01A	
COME01B:DP	Enhanced Cat 6 4-pr Cable	Door Phone Station	VOICE	Garage Head End	112HE	COM112A	Vehicle Gate	E01	COME01B	
COME02A:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	COM112A	LIVING DECK	E02	COME02A	
COME02A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	COM112A	LIVING DECK	E02	COME02A	
COME04A:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	COM112A	Deck Pool	E04	COME04A	
COME04A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	AV112A	Deck Pool	E04	COME04A	
COME04B:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	COM112A	Deck Pool	E04	COME04B	
COME04B:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	COM112A	Deck Pool	E04	COME04B	
COME09A:KSU	Enhanced Cat 6 4-pr Cable	Telephone System Voice Extension	VOICE	Garage Head End	112HE	AV112A	Utilities	E09	COME09A	
COME09A:LAN	Enhanced Cat 6 4-pr Cable	Local Area Network	DATA	Garage Head End	112HE	COM112A	Utilities	E09	COME09A	
SEC109A:DR	18/2 Door Release Cable	Door Release	SEC	Garage Head End	112HE	SEC112A	Kitchen	109	SEC109A	
SEC109B:DS	22/2 Security Cable	Door Sensor	SEC	Garage Head End	112HE	SEC112A	Kitchen	109	SEC109B	
SEC109C:GB	22/4 Security Cable	Glass Break Detector	SEC	Garage Head End	112HE	SEC112A	Kitchen	109	SEC109C	
SEC109D:DR	18/2 Door Release Cable	Door Release	SEC	Garage Head End	112HE	SEC112A	Kitchen	109	SEC109D	
SEC109E:DS	22/2 Security Cable	Door Sensor	SEC	Garage Head End	112HE	SEC112A	Kitchen	109	SEC109E	
SEC109F:MD	22/4 Sensor Cable	Motion Detector	SEC	Garage Head End	112HE	SEC112A	Kitchen	109	SEC109F	
SEC109G:AC	22/6 pair Sheilded Cable	Access Control Keypad	SEC	Garage Head End	112HE	SEC112A	Kitchen	109	SEC109G	
SEC111A:DS	22/2 Security Cable	Door Sensor	SEC	Garage Head End	112HE	SEC112A	Family Room	111	SEC111A	
SEC111B:DS	22/2 Security Cable	Door Sensor	SEC	Garage Head End	112HE	SEC112A	Family Room	111	SEC111B	
SEC111C:GB	22/4 Security Cable	Glass Break Detector	SEC	Garage Head End	112HE	SEC112A	Family Room	111	SEC111C	
SEC111D:GB	22/4 Security Cable	Glass Break Detector	SEC	Garage Head End	112HE	SEC112A	Family Room	111	SEC111D	
SEC111E:GB	22/4 Security Cable	Glass Break Detector	SEC	Garage Head End	112HE	SEC112A	Family Room	111	SEC111E	
SEC111F:MD	22/4 Sensor Cable	Motion Detector	SEC	Garage Head End	112HE	SEC112A	Family Room	111	SEC111F	
SEC111G:WS	22/2 Security Cable	Window Sensor	SEC	Garage Head End	112HE	SEC112A	Family Room	111	SEC111G	
SEC111H:WS	22/2 Security Cable	Window Sensor	SEC	Garage Head End	112HE	SEC112A	Family Room	111	SEC111H	
SEC112A:DS1	22/2 Security Cable	Door Sensor	SEC	Garage Head End	112HE	SEC112A	Garage	112	SEC112A	
SEC112B:MD	22/4 Sensor Cable	Motion Detector	SEC	Garage Head End	112HE	SEC112A	Garage	112	SEC112B	
SEC112C:DR	18/2 Door Release Cable	Door Release	SEC	Garage Head End	112HE	SEC112A	Garage	112	SEC112C	
SEC112D:GB	22/4 Security Cable	Glass Break Detector	SEC	Garage Head End	112HE	SEC112A	Garage	112	SEC112D	
SEC112E:WS	22/2 Security Cable	Window Sensor	SEC	Garage Head End	112HE	SEC112A	Garage	112	SEC112E	
SEC112F:AC	22/6 pair Sheilded Cable	Access Control Keypad	SEC	Garage Head End	112HE	SEC112A	Garage	112	SEC112F	
SECE01A:CC	Enhanced Cat 6 4-pr Cable	Closed Circuit TV	SEC	Garage Head End	112HE	AV112A	Vehicle Gate	E01	SECE01A	
SECE01A:PWR	18/2 Power Cable	Camera Remote Power	SEC	Garage Head End	112HE	SEC112A	Vehicle Gate	E01	SECE01A	
SECE01B:AC	22/6 pair Sheilded Cable	Access Control Keypad	SEC	Garage Head End	112HE	SEC112A	Vehicle Gate	E01	SECE01B	
SECE01C:CC	Enhanced Cat 6 4-pr Cable	Closed Circuit TV	SEC	Garage Head End	112HE	AV112A	Vehicle Gate	E01	SECE01C	
SECE01C:PWR	18/2 Power Cable	Camera Remote Power	SEC	Garage Head End	112HE	SEC112A	Vehicle Gate	E01	SECE01C	
SECE01D:CC	18/2 Power Cable	Camera Remote Power	SEC	Garage Head End	112HE	SEC112A	Vehicle Gate	E01	SECE01D	
SECE01D:PWR	Enhanced Cat 6 4-pr Cable	Closed Circuit TV	SEC	Garage Head End	112HE	AV112A	Vehicle Gate	E01	SECE01D	
SECE01F:DS	22/2 Security Cable	Door Sensor	SEC	Garage Head End	112HE	SEC112A	Vehicle Gate	E01	SECE01F	
SECE01G:DR	18/2 Door Release Cable	Door Release	SEC	Garage Head End	112HE	SEC112A	Vehicle Gate	E01	SECE01G	
SECE04A:CC	18/2 Power Cable	Camera Remote Power	SEC	Garage Head End	112HE	SEC112A	Deck Pool	E04	SECE04A	
SECE04A:PWR	Enhanced Cat 6 4-pr Cable	Closed Circuit TV	SEC	Garage Head End	112HE	AV112A	Deck Pool	E04	SECE04A	
SECE05A:DR	18/2 Door Release Cable	Door Release	SEC	Garage Head End	112HE	SEC112A	Patio	E05	SECE05A	

A SECURITY WIRE SCHEDULE - COMPOSITE PAGE 1

CONDUIT ID	ORIGIN NAME	ORIGIN ROOM #	ORIGIN TAG	DESTINATION NAME	DESTINATION ROOM #	DESTINATION TAG	CONDUIT SIZE	CONDUIT APPLICATION	NOTES
AVC01	112HE	Garage Head End	CN112B	101	Front Entry	CN101A	3/4"	AD-Overlay Control	
AVC02	112HE	Garage Head End	CN112B	106	Bedroom 106	CN106A	1"	AD-Audio Video	
AVC03	112HE	Garage Head End	CN112B	106	Bedroom 106	CN106B	3/4"	AD-Overlay Control	
AVC04	112HE	Garage Head End	CN112B	107	Living Room	CN107A	1"	AD-Audio Video	
AVC05	112HE	Garage Head End	CN112B	108	Dining Room	CN108C	1"	AD-Audio Video	
AVC06	112HE	Garage Head End	CN112B	108	Dining Room	CN108D	1"	AD-Audio Video	
AVC07	112HE	Garage Head End	CN112B	109	Kitchen	CN109B	3/4"	AD-Overlay Control	
AVC08	112HE	Garage Head End	CN112B	111	Family Room	CN111A	1"	AD-Audio Video	
AVC09	112HE	Garage Head End	CN112B	111	Family Room	CN111B	3/4"	AD-Overlay Control	
AVC10	112HE	Garage Head End	CN112B	112	Garage	CN112E	3/4"	AD-Overlay Control	
AVC11	112HE	Garage Head End	CN112B	112	Garage	CN112F	3/4"	AD-Overlay Control	
AVC12	112HE	Garage Head End	CN112B	112	Garage	CN112G	3/4"	AD-Overlay Control	
CMC01	112HE	Garage Head End	CN112B	101	Front Entry	CN101A	3/4"	AD-Overlay Control	
CMC02	112HE	Garage Head End	CN112D	E01	Vehicle Gate	CNE01B	3/4"	AD-Communications	
CMC03	112HE	Garage Head End	CN112D	E04	Deck Pool	CNE04B	3/4"	AD-Communications	
CMC04	112HE	Garage Head End	CN112D	E04	Deck Pool	CNE04C	3/4"	AD-Communications	
CMC05	112HE	Garage Head End	CN112D	E09	Utilities	CNE09A	3/4"	AD-Communications	
SCC01	112HE	Garage Head End	CN112A	109	Kitchen	CN109A	1/2"	AD-Access Control	
SCC02	112HE	Garage Head End	CN112A	E01	Vehicle Gate	CNE01A	1/2"	AD-Security	
SCC03	112HE	Garage Head End	CN112A	E01	Vehicle Gate	CNE01C	1/2"	AD-Access Control	
SCC04	112HE	Garage Head End	CN112A	E01	Vehicle Gate	CNE01E	1/2"	AD-Security	
SCC05	112HE	Garage Head End	CN112A	E04	Deck Pool	CNE04A	3/4"	AD-Security	
SCC06	112HE	Garage Head End	CN112A	E05	Patio	CNE05A	1/2"	AD-Access Control	

B CONDUIT SCHEDULE - COMPOSITE PAGE 1

AXIOM DESIGN
Technology Concierge™
1324 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

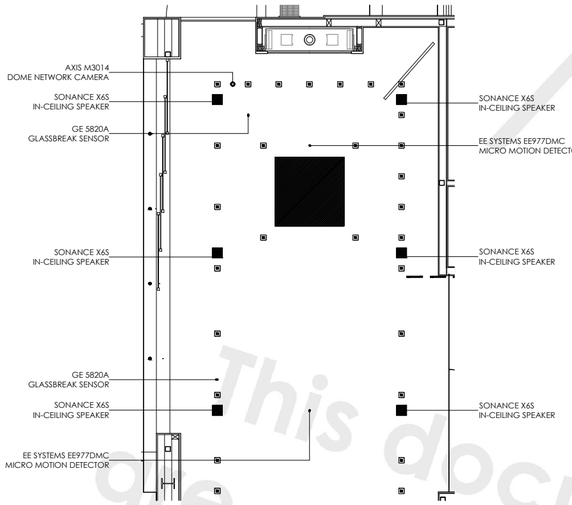
SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
WIRE INFRASTRUCTURE SCHEDULE 2

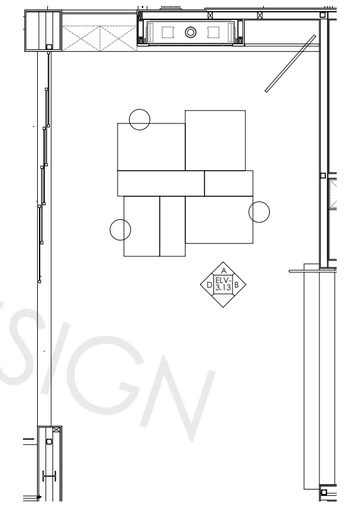
REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:
ELV-2.81

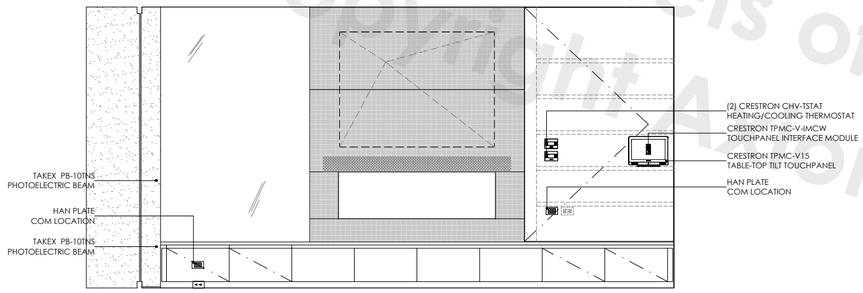
LIVING ROOM 107



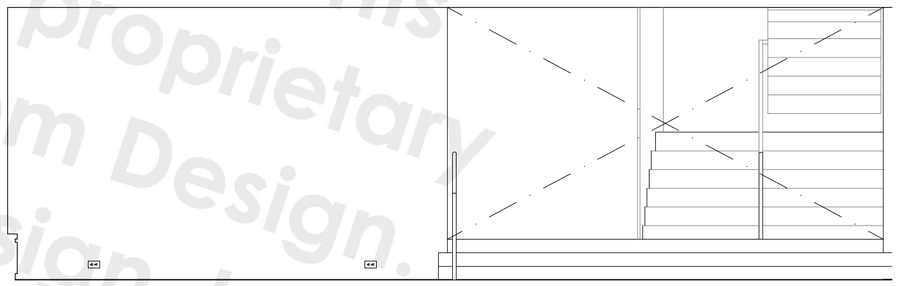
1 REFLECTED CEILING PLAN SCALE: 1/4"=1'-0"



2 FLOOR PLAN - LIVING ROOM SCALE: 1/4"=1'-0"

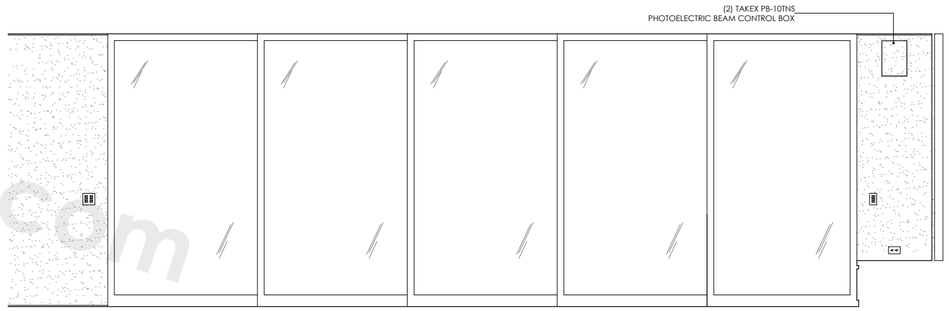


A WEST ELEVATION SCALE: 1/2"=1'-0"



B NORTH ELEVATION SCALE: 1/2"=1'-0"

NOTE: REFER TO FLOOR PLANS AND ELEVATIONS FOR LOW VOLTAGE DEVICE LOCATIONS. COORDINATE WITH SYSTEMS DESIGNER AND/OR ARCHITECT FOR PRECISE LOCATION. ARCHITECTURAL PLAN SET LOCATION DIMENSIONS PREVAIL.



D SOUTH ELEVATION SCALE: 1/2"=1'-0"

AXIOM DESIGN
Technology Concierge™
1245 Alamo Broadway Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

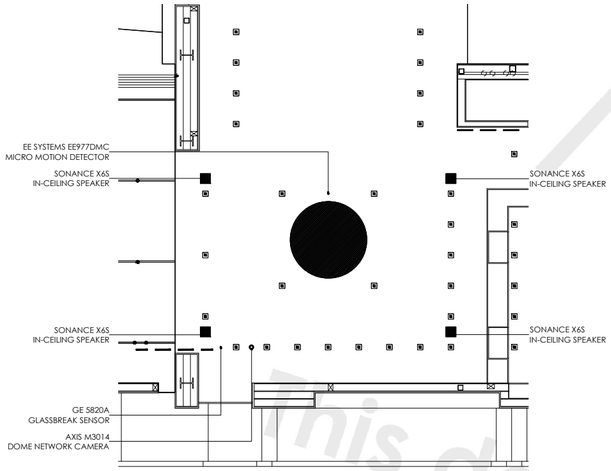
SHEET NAME:
LIVING ROOM 107
COORDINATED DEVICE DRAWINGS

REVISIONS	BY

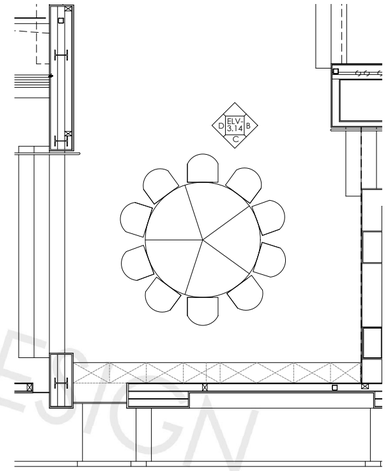
DATE: 00-00-00
SCALE: AS NOTED
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-3.13

DINING ROOM 108

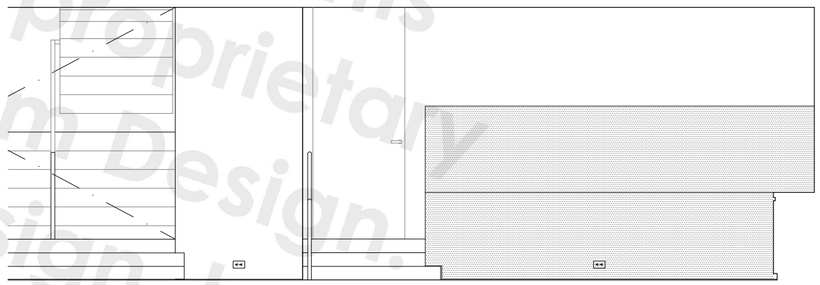


1 REFLECTED CEILING PLAN SCALE: 1/4"=1'-0"

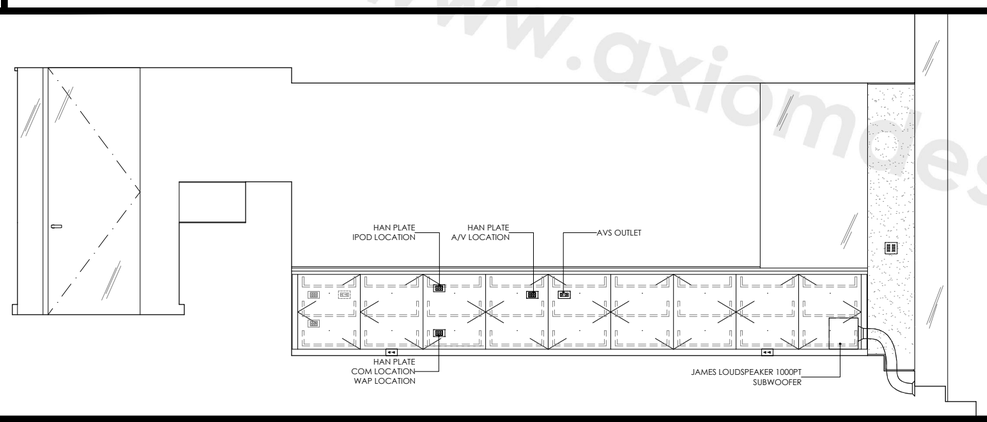


2 FLOOR PLAN SCALE: 1/4"=1'-0"

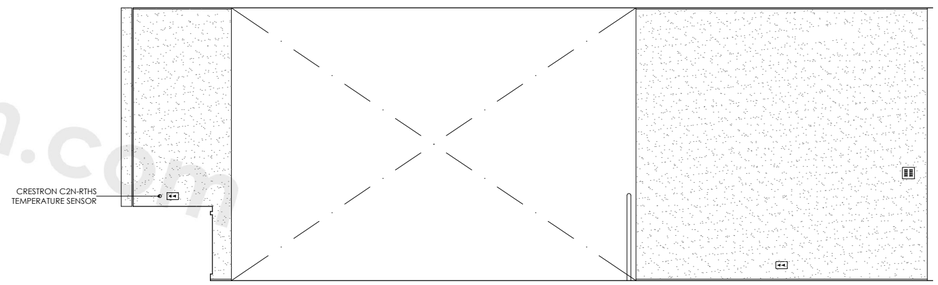
NOTE: REFER TO FLOOR PLANS AND ELEVATIONS FOR LOW VOLTAGE DEVICE LOCATIONS. COORDINATE WITH SYSTEMS DESIGNER AND/OR ARCHITECT FOR PRECISE LOCATION. ARCHITECTURAL PLAN SET LOCATION DIMENSIONS PREVAIL.



B NORTH ELEVATION SCALE: 1/2"=1'-0"



C EAST ELEVATION SCALE: 1/2"=1'-0"



D SOUTH ELEVATION SCALE: 1/2"=1'-0"

AXIOM DESIGN
Technology Concierge™
7245 Alcosta Blvd Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

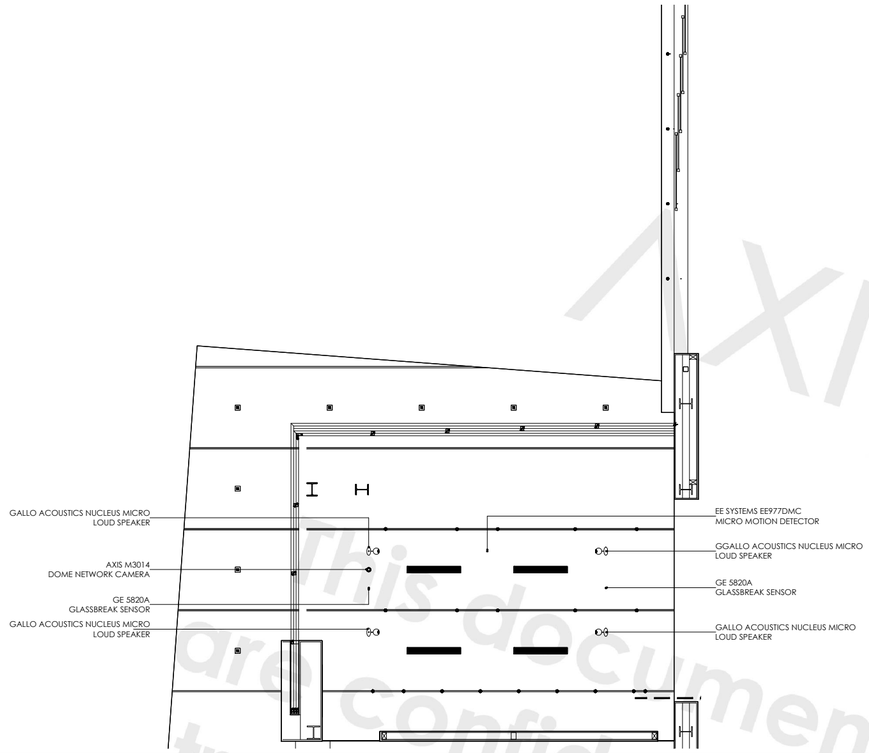
SHEET NAME:
DINING ROOM 108 COORDINATED DEVICE DRAWINGS

REVISIONS	BY

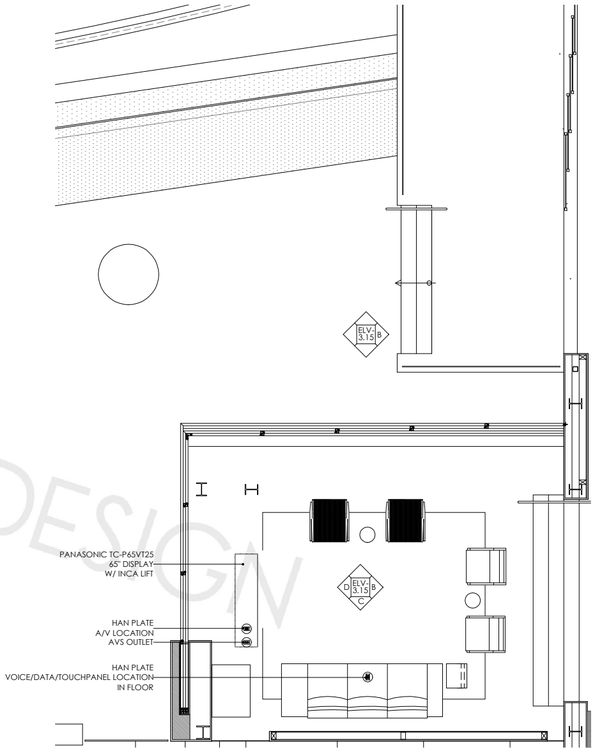
DATE: 00-00-00
SCALE: AS NOTED
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-3.14

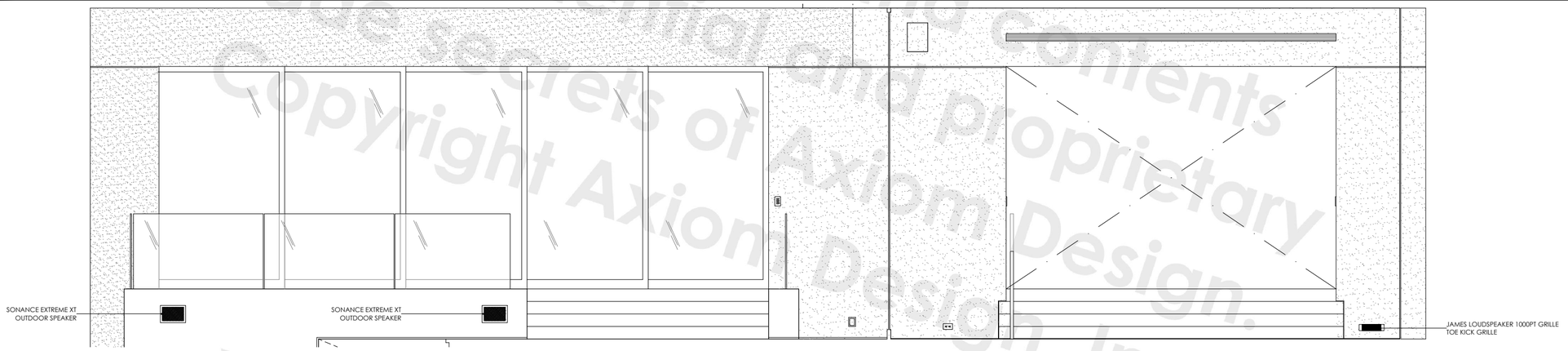
FAMILY ROOM 111 AND LIVING DECK 002



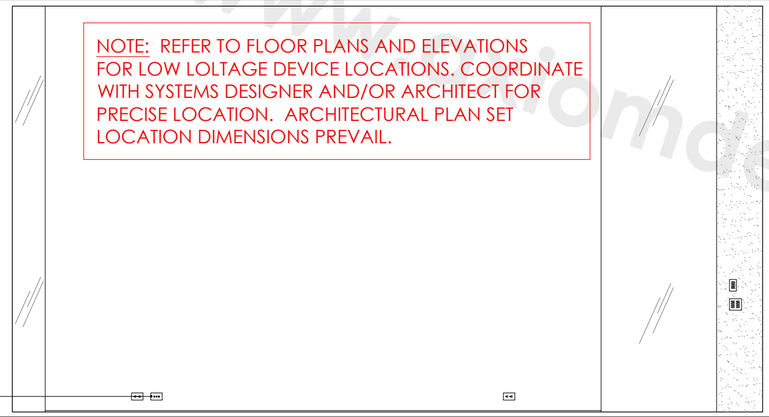
1 REFLECTED CEILING PLAN SCALE: 1/4"=1'-0"



2 FLOOR PLAN SCALE: 1/4"=1'-0"

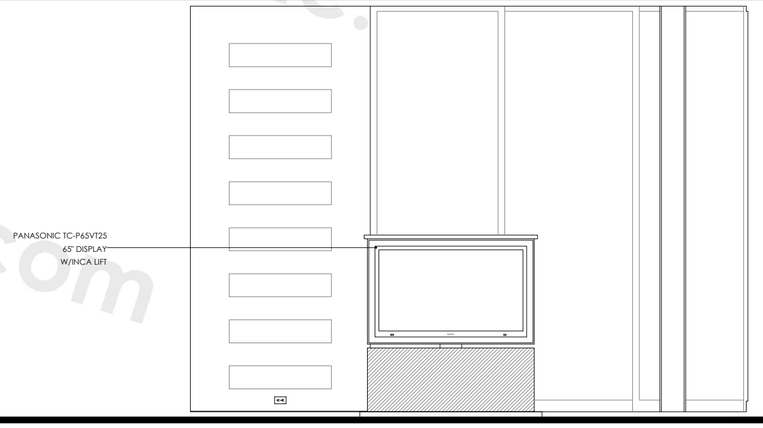


B NORTH ELEVATION SCALE: 1/2"=1'-0"



NOTE: REFER TO FLOOR PLANS AND ELEVATIONS FOR LOW LOLTAGE DEVICE LOCATIONS. COORDINATE WITH SYSTEMS DESIGNER AND/OR ARCHITECT FOR PRECISE LOCATION. ARCHITECTURAL PLAN SET LOCATION DIMENSIONS PREVAIL.

C EAST ELEVATION SCALE: 1/2"=1'-0"



D SOUTH ELEVATION SCALE: 1/2"=1'-0"

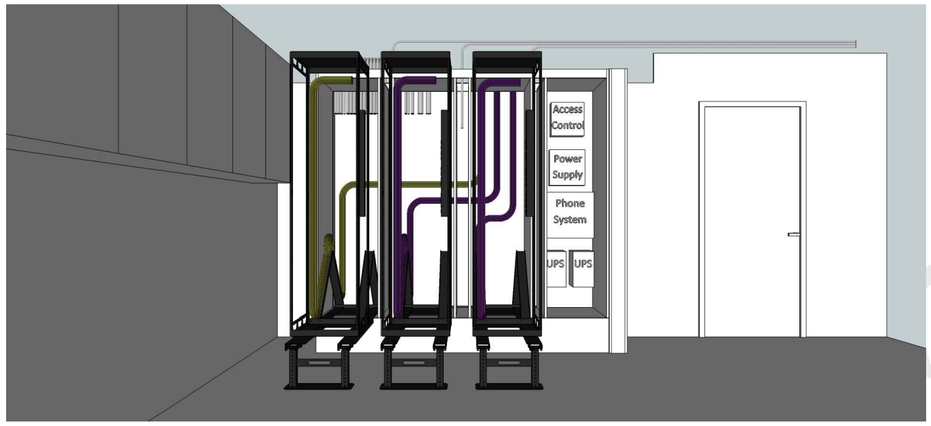
SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
FAMILY ROOM 111 AND LIVING DECK 002 COORDINATED DEVICE DRAWINGS

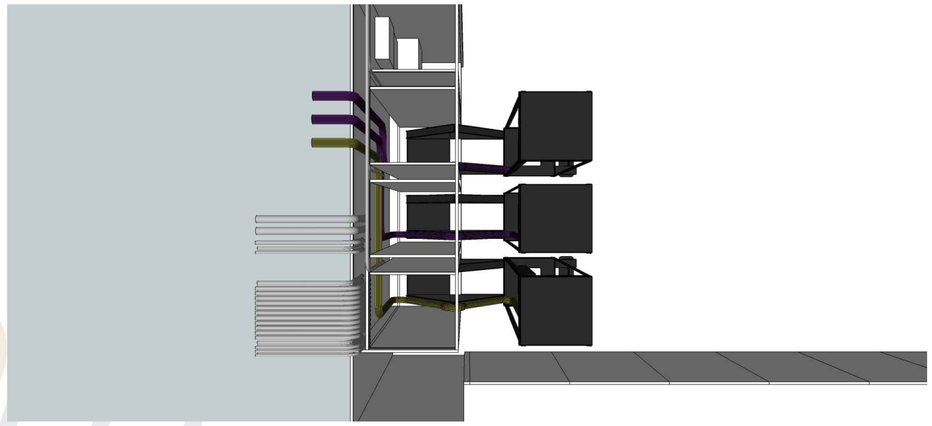
REVISIONS	BY

DATE: 00-00-00
SCALE: AS NOTED
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

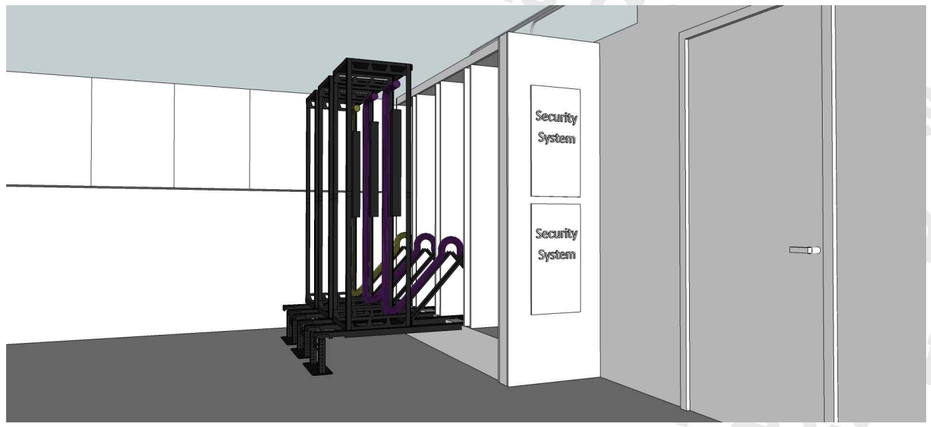
ELV-3.15



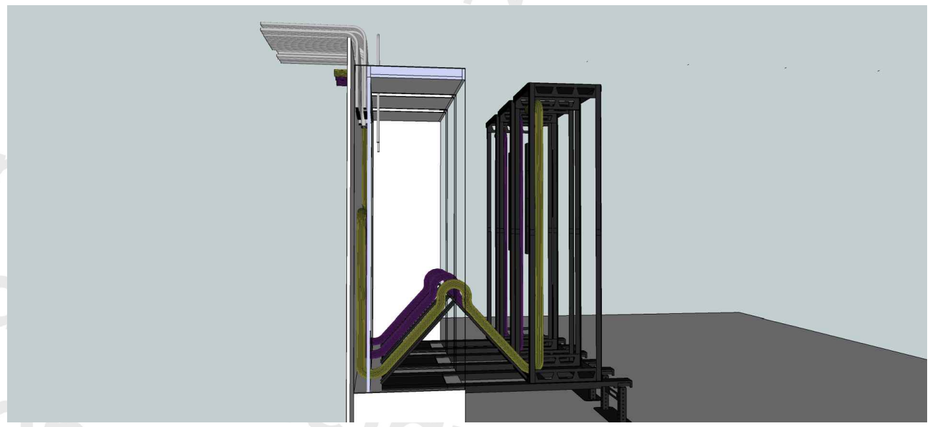
A FRONT VIEW



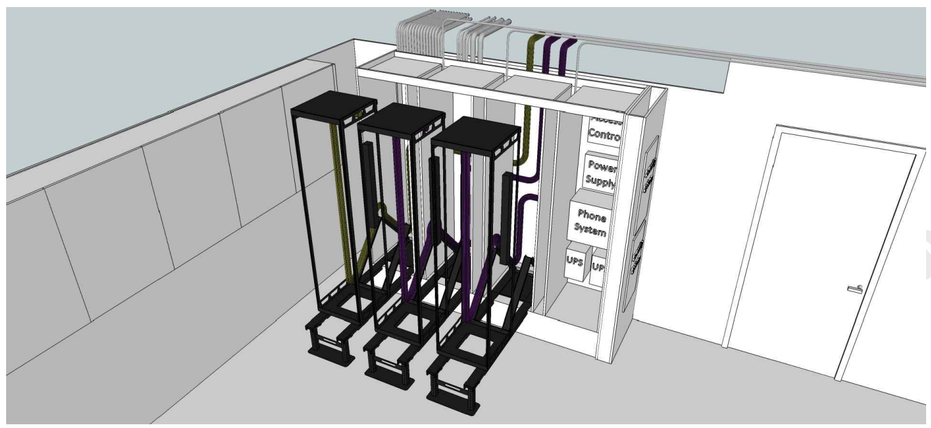
B TOP VIEW (SEE THROUGH PANELS)



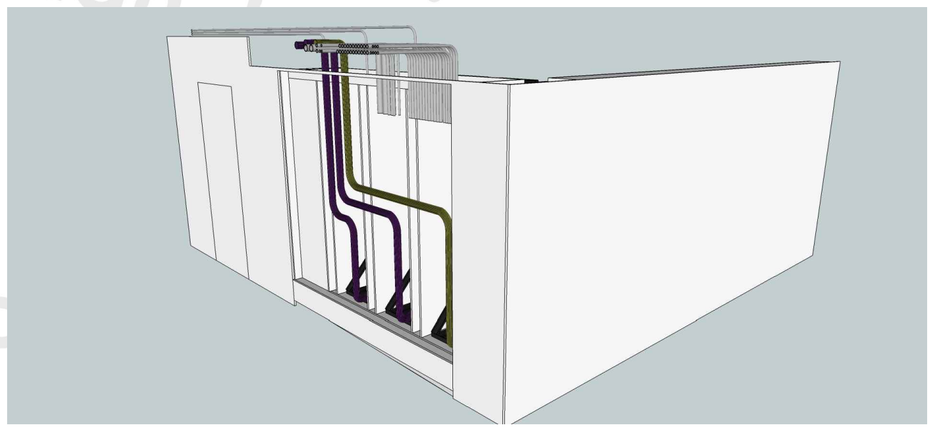
C SIDE VIEW



D SIDE VIEW (SEE THROUGH PANELS)



E TOP CORNER VIEW



F REAR VIEW (SEE THROUGH PANELS)

AXIOM DESIGN
Technology Concierge™
1245 Alamo Broadway Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

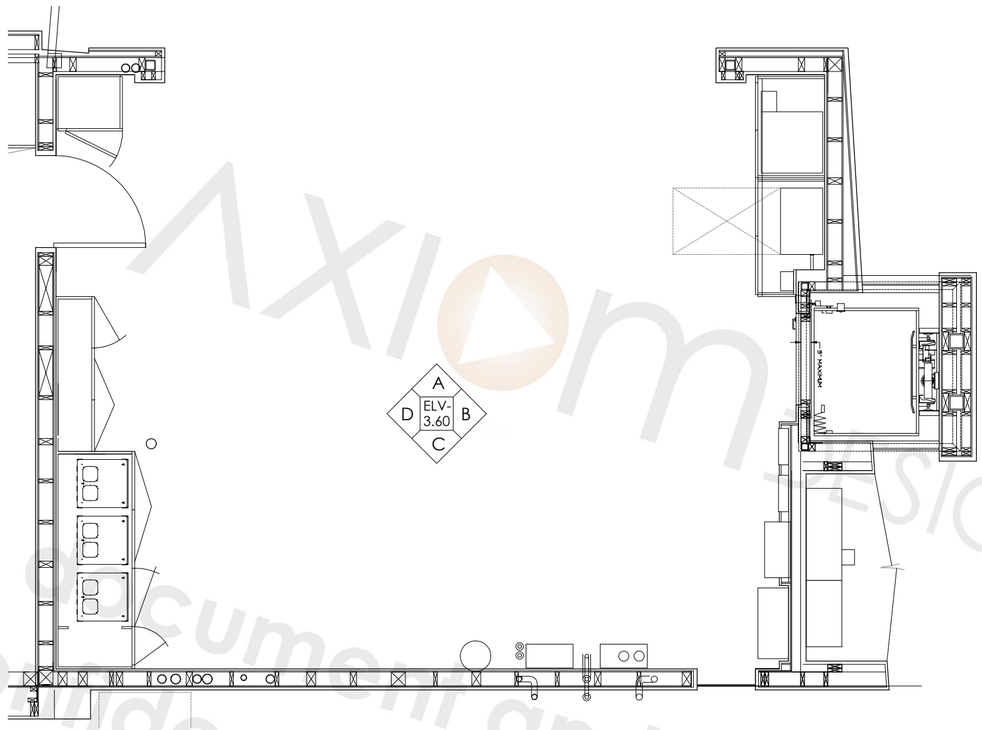
SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
CONCEPTUAL LAYOUT PLAN
MAIN DISTRIBUTION FRAME

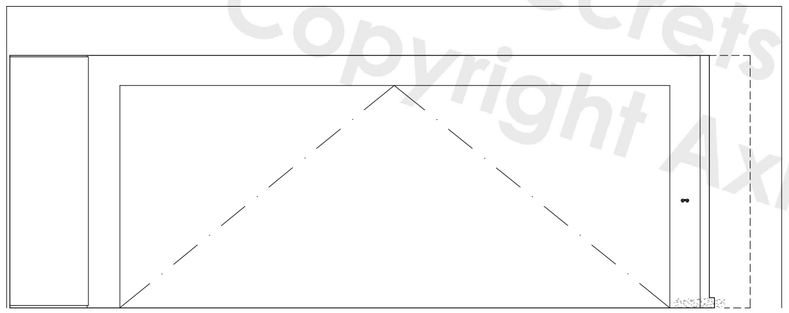
REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

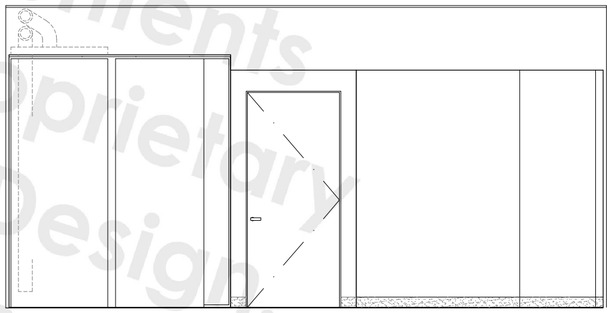
ELV-3.50



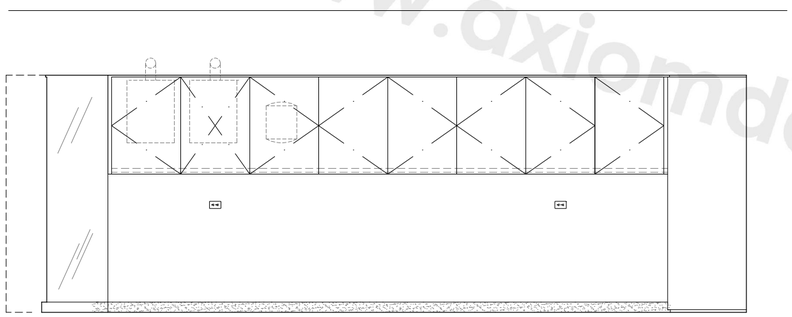
1 GARAGE



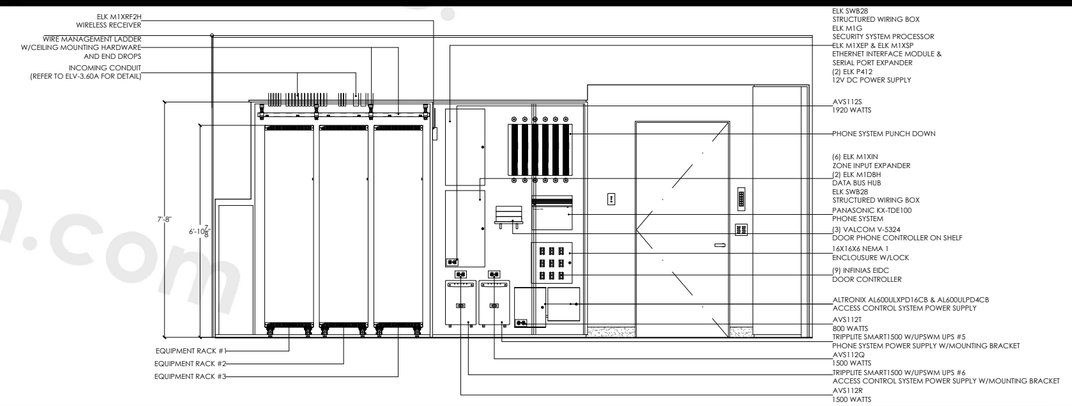
A WEST ELEVATION



B NORTH ELEVATION



C EAST ELEVATION



D SOUTH ELEVATION

AXIOM DESIGN
Technology Concierge™
1324 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

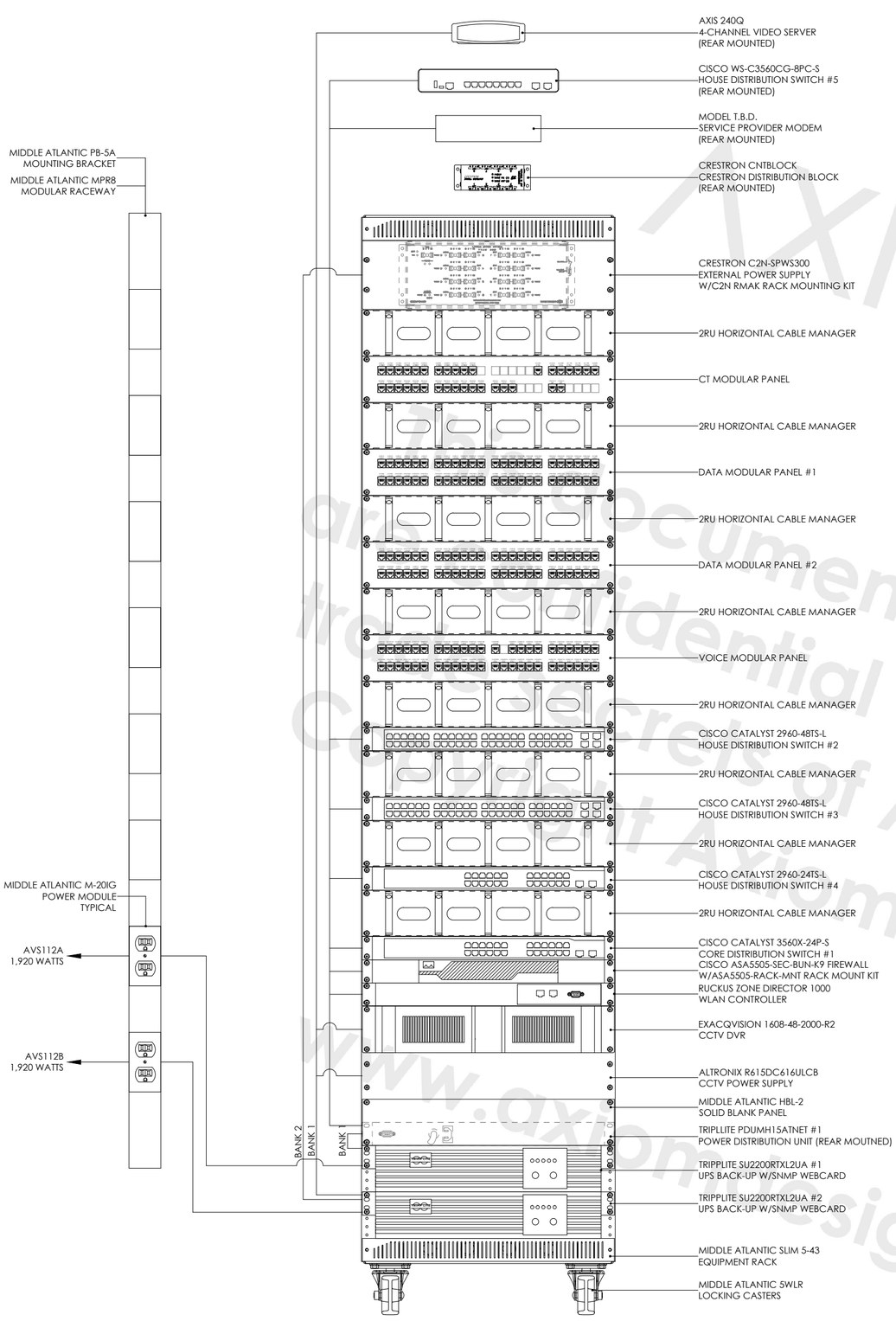
SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
MAIN DISTRIBUTION FRAME DEVICE PLACEMENT ELEVATIONS

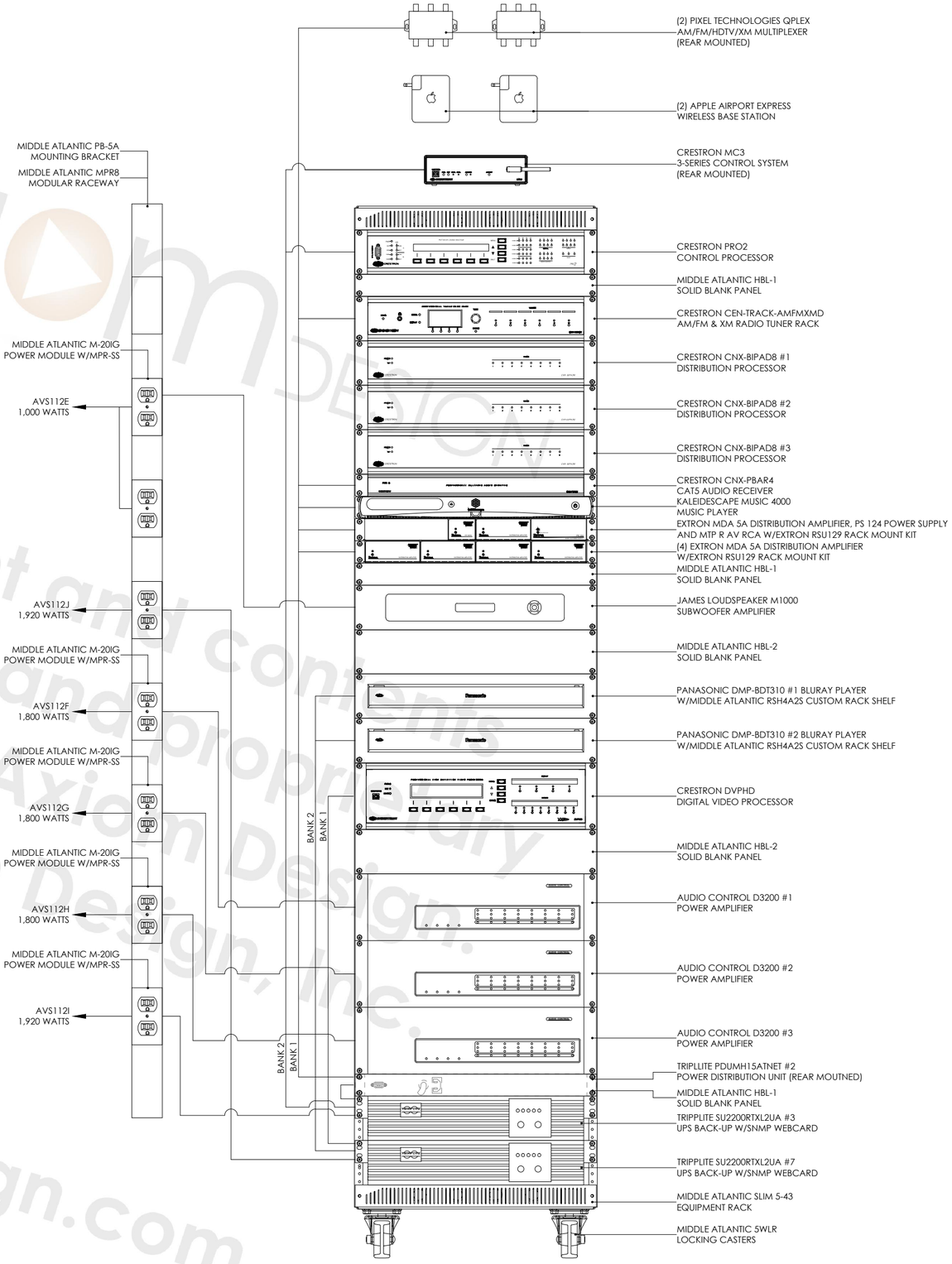
REVISIONS	BY

DATE: 00-00-00
SCALE: 1/2"=1'-0"
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-3.60



EQUIPMENT RACK #1



EQUIPMENT RACK #2

SAMPLE PROJECT

1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

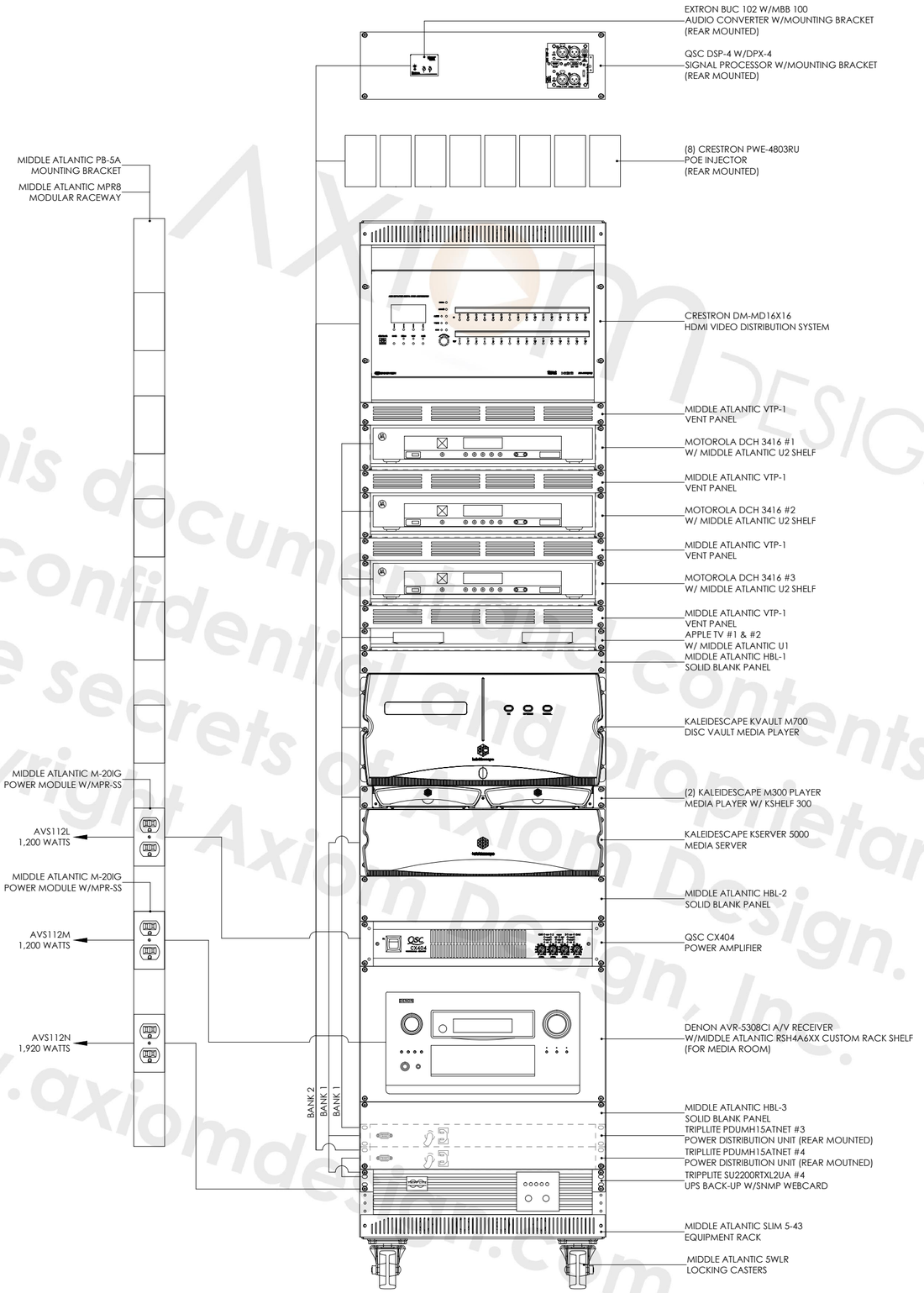
SHEET NAME:
MAIN DISTRIBUTION FRAME RACK ELEVATIONS 1

REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-3.61

1 EQUIPMENT RACK #1 & #2



EQUIPMENT RACK #3

1	EQUIPMENT RACK #3

AXIOM DESIGN
Technology Concierge™
1324 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT

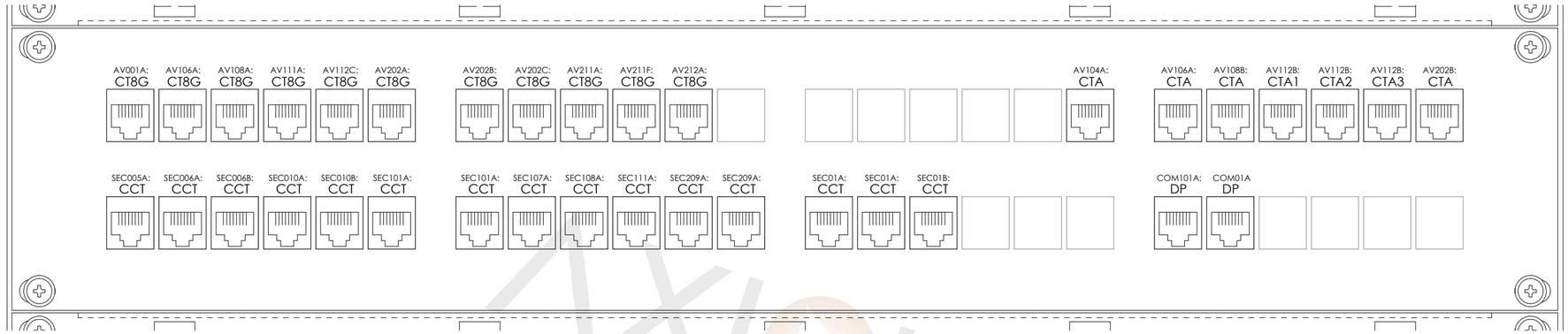
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
MAIN DISTRIBUTION FRAME RACK ELEVATIONS 2

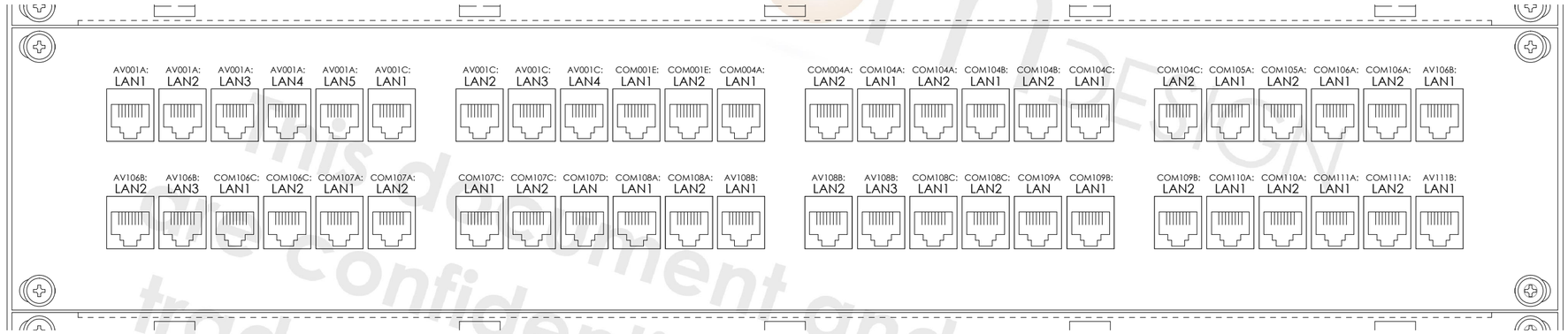
REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

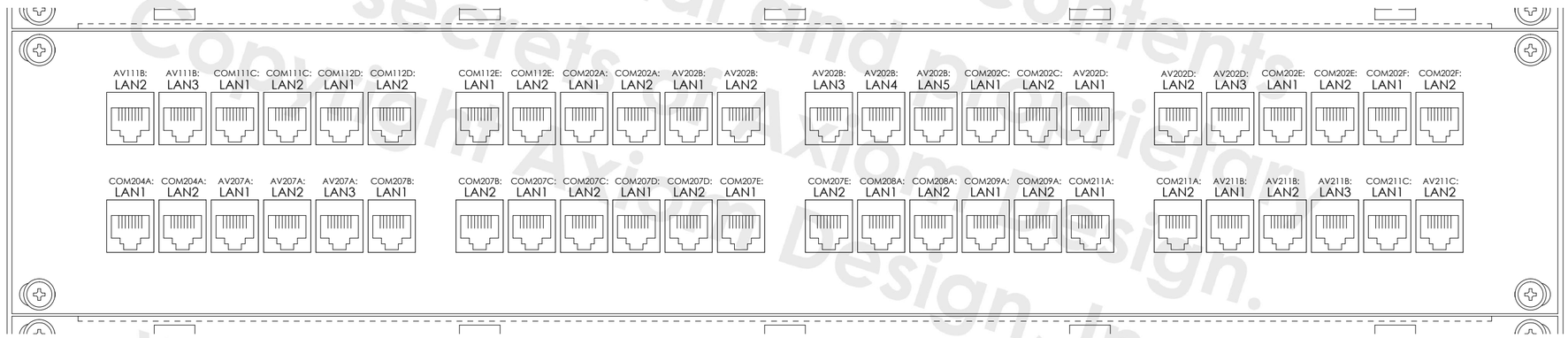
ELV-3.62



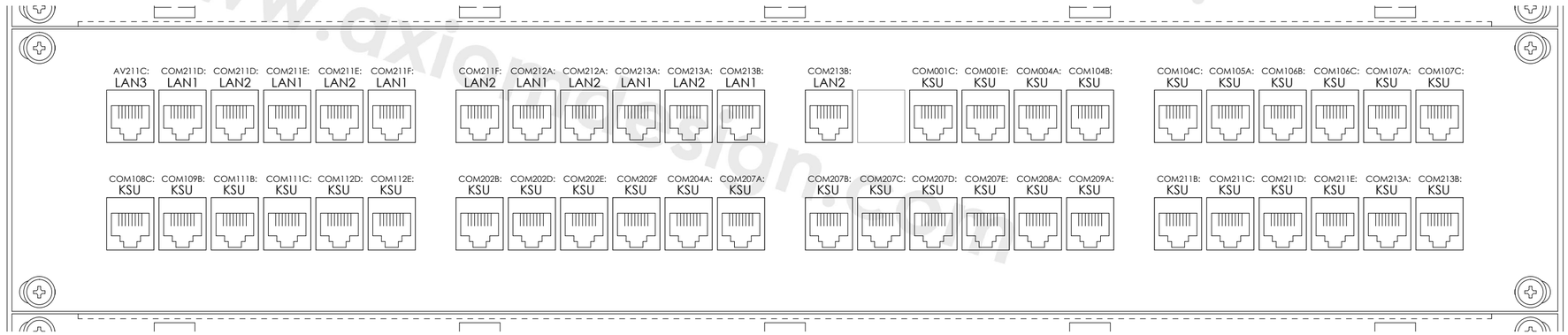
1 CT MODULAR PANEL



2 DATA MODULAR PANEL #1



3 DATA MODULAR PANEL #2



4 VOICE MODULAR PANEL

AXIOM DESIGN
Technology Concierge™
1324 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
MAIN DISTRIBUTION FRAME
RACK 1 DEMARCATION

REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-3.70

AXIOM DESIGN
Technology Concierge™
1243 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.416.2000

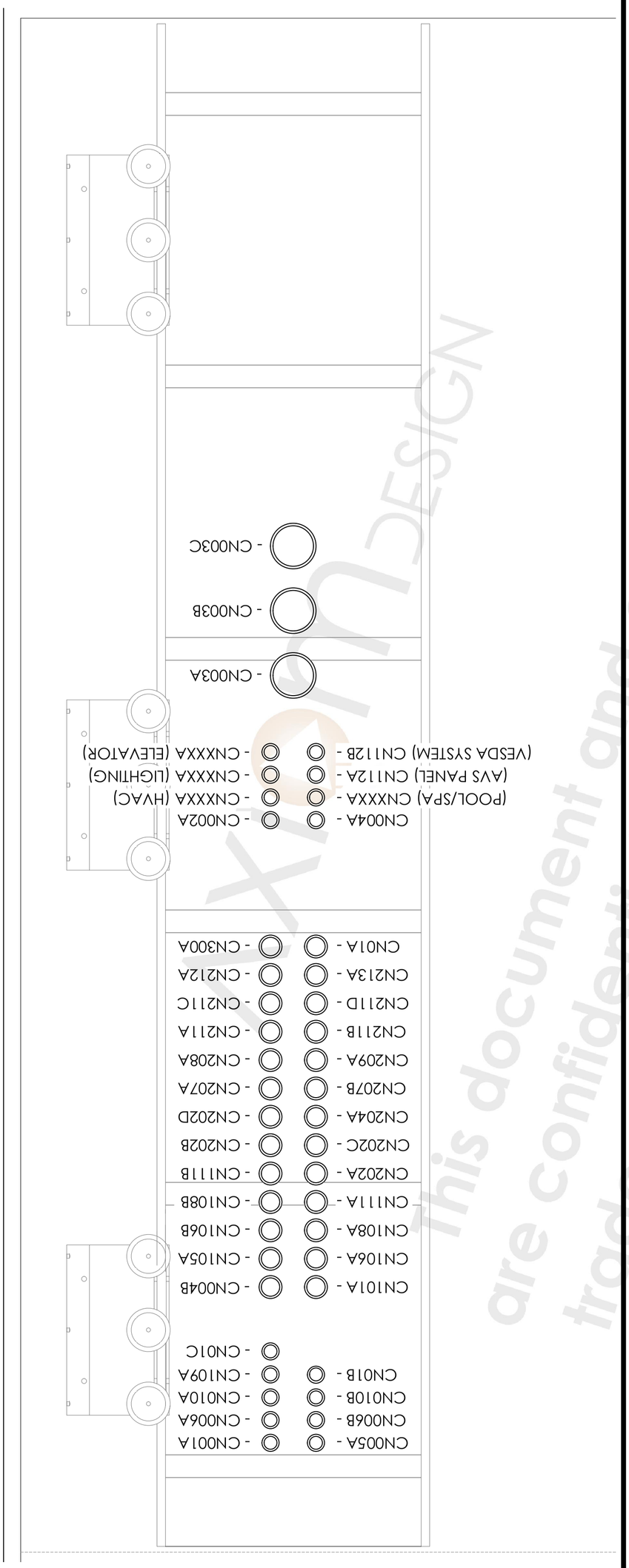
SAMPLE PROJECT

1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

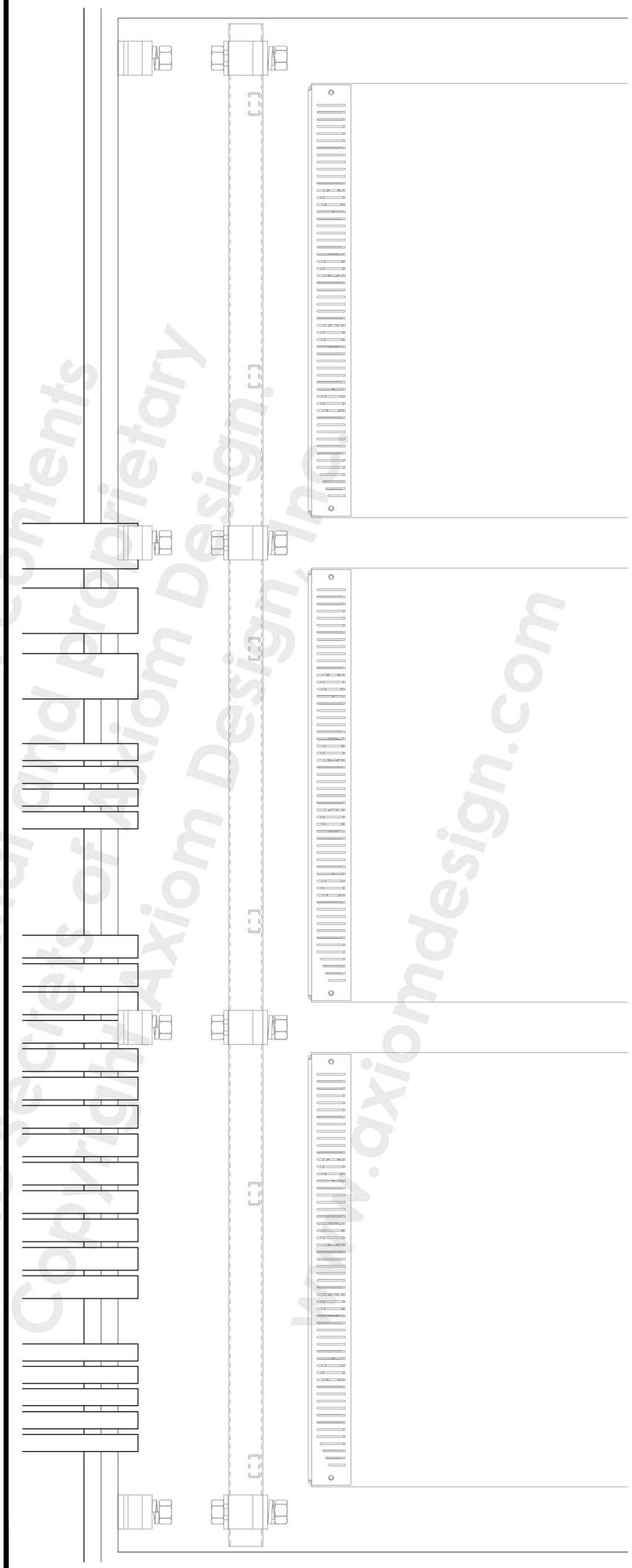
SHEET NAME:
MAIN DISTRIBUTION FRAME
CONDUIT PLACEMENT ELEVATION

REVISIONS	BY

DATE: 00-00-00
SCALE: AS NOTED
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET: **ELV-3.80**



1 REFLECTED CEILING VIEW



2 SOUTH ELEVATION VIEW

AXIOM DESIGN
Technology Concierge

1243 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.416.2000

SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
AUDIO VIDEO DISTRIBUTION BLOCK DIAGRAM 1

REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET: ELV-4.00

POWER SUPPLIES | SOURCES | SOURCES | SWITCHER

FR: CABLE SERVICE CATV SIGNAL → CABLE SPLITTER (IN: SERVICE; OUT: 1, 2, 3, 4)

TO: CABLE SERVICE MODEM T.B.D.

FROM ELV-4.20 — FR: CRESTRON PRO2 IR CONTROL

FROM ELV-4.63 — FR: LAN ETHERNET CONNECTION

IR

WHV_CABLE1 — MOTOROLA DCH3416 #1
ANALOG AUDIO: AUDIO L/R OUT
DIGITAL AUDIO: SPDIF OUT, OPTICAL OUT
COMPOSITE VIDEO: VIDEO OUT
S-VIDEO: S-VIDEO OUT
COMPONENT VIDEO: YPRPB OUT
HDMI: HDMI OUT
OTHER: IN CABLE SERVICE RF OUT; IN SERIAL; IN ETHERNET; IN USB; IN IEEE 1396 OUT; IN ESATA; IN POWER (120V AC)

WHV_CABLE2 — MOTOROLA DCH3416 #2 (same as CABLE1)

WHV_CABLE3 — MOTOROLA DCH3416 #3 (same as CABLE1)

APPLETV1 — APPLE TV (2G) #1
DIGITAL AUDIO: OPTICAL OUT
HDMI: HDMI OUT
OTHER: IN ETHERNET; IN USB; IN POWER (120V AC)

APPLETV2 — APPLE TV (2G) #2 (same as APPLETV1)

KVAULT — KSCAPE KVAULT M700
ANALOG AUDIO: AUDIO L/R OUT
DIGITAL AUDIO: OPTICAL OUT, COAXIAL OUT
COMPOSITE VIDEO: VIDEO OUT
S-VIDEO: S-VIDEO OUT
COMPONENT VIDEO: YPRPB OUT
HDMI: HDMI OUT
OTHER: IN ETHERNET; IN RS232; IN IR; IN/OUT USB; IN POWER (120V AC)

KMOVIE1 — KSCAPE KPLAYER-M300
ANALOG AUDIO: AUDIO L/R OUT
DIGITAL AUDIO: COAXIAL OUT
COMPOSITE VIDEO: VIDEO OUT
S-VIDEO: S-VIDEO OUT
COMPONENT VIDEO: YPRPB OUT
HDMI: HDMI OUT
OTHER: IN ETHERNET; IN IR; IN/OUT USB; IN POWER (120V AC)

KMOVIE2 — KSCAPE KPLAYER-M300 (same as KMOVIE1)

KSERVER — KSCAPE KSERVER-5000
OTHER: IN ETHERNET; IN IEEE 1394; IN RS232; IN/OUT USB 1; IN/OUT USB 2; IN POWER (120V AC)

AV112C — CT8G112C

WHV_PDU1 — TRIPPLITE PDUMH15AT #3
OUTLET 1–8 OUT
OTHER: IN ETHERNET; IN PS/2 PORT; IN SERIAL PORT; IN POWER (120V AC)
FROM ELV-4.63 — FR: LAN ETHERNET CONNECTION
FROM ELV-4.20 — FR: CRESTRON PRO2 COM PORT

WHV_PDU2 — TRIPPLITE PDUMH15AT #4 (same as PDU1)
FROM ELV-4.63 — FR: LAN ETHERNET CONNECTION
FROM ELV-4.20 — FR: CRESTRON PRO2 IR SERIAL

WHV_UPS1 — TRIPPLITE SU2200RT UPS #4
BANK 1: OUTLET 1–3 OUT
BANK 2: OUTLET 4–6 OUT
SLOT 1: IN SNMPWEBCARD
OTHER: IN PHONE/DATA; IN RS232; IN USB; IN EPO; IN POWER (120V AC)
FROM ELV-4.63 — FR: LAN ETHERNET CONTROL
FROM ELV-4.20 — FR: CRESTRON PRO2 IR SERIAL
FR: POWER 120V AC

WHV_UPS2 — TRIPPLITE SU2200RT UPS #7 (same as UPS1)
FROM ELV-4.63 — FR: LAN ETHERNET CONTROL
FROM ELV-4.20 — FR: CRESTRON PRO2 IR SERIAL
FR: POWER 120V AC

ART_DVD1 — PANASONIC BDT310 #1
ANALOG AUDIO: AUDIO L/R OUT
DIGITAL AUDIO: OPTICAL OUT
COMPOSITE: VIDEO OUT
HDMI: HDMI (MAIN) OUT; HDMI (SUB) OUT
OTHER: IN LAN; IN USB 1 (FRONT); IN POWER (120V AC)
FROM ELV-4.20 — FR: CRESTRON PRO2 IR CONTROL
FROM ELV-4.63 — FR: LAN ETHERNET CONNECTION
FR: MEDIA ROOM BUC 102 POWER (120V AC) → TO ELV-4.11

ART_DVD2 — PANASONIC BDT310 #2 (same as DVD1)
FROM ELV-4.20 — FR: CRESTRON PRO2 IR CONTROL
FROM ELV-4.63 — FR: LAN ETHERNET CONNECTION

(HDMI TO DVI CABLE)

CRESTRON DVPHD-QUAD-R
INPUT SLOT 1/2: DHDC-RGBVI (IN DVI; IN YPBPR)
INPUT SLOT 3/4: DHDC-RGBVI (IN DVI; IN YPBPR)
INPUT SLOT 5/6: EMPTY
INPUT SLOT 7/8: EMPTY
OUTPUT SLOT 1: DHDC-RGBO (DVI OUT; QM OUT)
OTHER: MEMORY CARD EMPTY; IN RS232; IN LAN; IN USB A; IN USB B; IN NET (4W); IN POWER (120V AC)
FROM ELV-4.20 — FR: CRESNET C2N-SPWS300

CRESTRON_DM — CRESTRON DM-MD16X16
INPUT SLOT 1: DMC-HD-DSP CARD (AUDIO L/R OUT; IN HDMI OUT; IN USB HID)
INPUT SLOT 2: DMC-HD-DSP CARD
INPUT SLOT 3: DMC-HD-DSP CARD
INPUT SLOT 4: DMC-HD-DSP CARD → TO: CRESTRON CNX-8IPAD8 (#1) INPUT #5 → TO ELV-4.00
INPUT SLOT 5: DMC-HD-DSP CARD → TO: CRESTRON CNX-8IPAD8 (#1) INPUT #6 → TO ELV-4.00
INPUT SLOT 6: DMC-HD-DSP CARD
INPUT SLOT 7: DMC-HD-DSP CARD
INPUT SLOT 8: DMC-HD-DSP CARD
INPUT SLOT 9: DMC-HD-DSP CARD
INPUT SLOT 10: DMC-C-DSP CARD (AUDIO L/R OUT; HDMI OUT; IN DM; IN POE)
INPUT SLOT 11: DMC-VID-RCA-A CARD (IN AUDIO L/R; IN YPBPR/S-VID/COMP; HDMI OUT)
INPUT SLOT 12: EMPTY
INPUT SLOT 13: EMPTY
INPUT SLOT 14: EMPTY
INPUT SLOT 15: EMPTY
INPUT SLOT 16: EMPTY
OUTPUT SLOT 1: DMCO-5555
IN POE-1/DM-1 OUT (DM 8G CABLE)
IN POE-2/DM-2 OUT (DM 8G CABLE)
IN POE-3/DM-3 OUT (DM 8G CABLE)
IN POE-4/DM-4 OUT (DM 8G CABLE)
IN POE-5/DM-5 OUT (DM 8G CABLE)
IN POE-6/DM-6 OUT (DM 8G CABLE)
IN POE-7/DM-7 OUT (DM 8G CABLE)
IN POE-8/DM-8 OUT (DM 8G CABLE)
HDMI 1 OUT
HDMI 3 OUT
HDMI 5 OUT
HDMI 7 OUT
OUTPUT SLOT 2: EMPTY
NET SLOT 1: NET 1 (4W) OUT; IN EIG 1 (24V DC) NET 2 (4W) OUT; IN EIG 2 (24V DC) NET 3 (4W) OUT; IN EIG 3 (24V DC) NET 4 (4W) OUT; IN EIG 4 (24V DC) NET 5 (4W) OUT; IN EIG 5 (24V DC) NET 6 (4W) OUT; IN EIG 6 (24V DC) NET 7 (4W) OUT; IN EIG 7 (24V DC) NET 8 (4W) OUT; IN EIG 8 (24V DC)
NET SLOT 2: NET 1 (4W) OUT; IN EIG 1 (24V DC) NET 2 (4W) OUT; IN EIG 2 (24V DC) NET 3 (4W) OUT; IN EIG 3 (24V DC) NET 4 (4W) OUT; IN EIG 4 (24V DC) NET 5 (4W) OUT; IN EIG 5 (24V DC) NET 6 (4W) OUT; IN EIG 6 (24V DC) NET 7 (4W) OUT; IN EIG 7 (24V DC) NET 8 (4W) OUT; IN EIG 8 (24V DC)
OTHER: IN ETHERNET; IN POWER (120V AC)

FROM ELV-4.00 — FR: WHOLE HOUSE AUDIO CNX-8IPAD8 #3 OUT #5

CRESTRON PWE-4803RU (IN LAN; LAN (POE) OUT; IN POWER (120V AC)) ×8

AV112C
AV106A:CT8G → TO: BEDROOM 106 DM-RMC-100-C #1 → TO ELV-4.10
AV108A:CT8G → TO: DINING ROOM 108 DM-RMC-100-C #2 → TO ELV-4.10
AV111A:CT8G → TO: FAMILY ROOM 111 DM-RMC-100-C #3 → TO ELV-4.10
AV211A:CT8G → TO: MASTER BEDROOM 211 DM-RMC-100-C #4 → TO ELV-4.12
AV212A:CT8G → TO: MASTER BATH 212 DM-RMC-100-C #5 → TO ELV-4.12
AV001B:CT8G → TO: CABANA 001 DM-RMC-100-C #6 → TO ELV-4.12
AV202A:CT8G → TO: MEDIA ROOM 202 DM-RMC-100-C #7 → TO ELV-4.11
AV202C:CT8G → TO: MEDIA ROOM 202 DM-RMC-100-C #8 → TO ELV-4.11

FROM ELV-4.63 — FR: MEDIA ROOM 202 DM-TX-201-C DM OUT
FROM ELV-4.63 — FR: LAN ETHERNET CONNECTION

TO: MEDIA ROOM 202 DENON S308CI HDMI 1 → TO ELV-4.11
TO: MEDIA ROOM 202 DENON S308CI OPTIC 1 → TO ELV-4.11
TO: MEDIA ROOM 202 DENON S308CI OPTIC 2 → TO ELV-4.11

AXIOM DESIGN
Technology Concierge™
1326 Alhambra Boulevard, Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
AUDIO VIDEO DISTRIBUTION BLOCK DIAGRAM 2

REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-4.01

POWER SUPPLIES

SOURCES

SWITCHER

FROM ELV-4.63 — FR: LAN ETHERNET CONNECTION

(VEHICLE GATE - AREA #E01)
ARECONT AV3155DN
IN ETHERNET (POE)
IN POWER (12V DC)

(BEDROOM DECK - AREA #003)
ARECONT AV3155DN
IN ETHERNET (POE)
IN POWER (12V DC)

(CABANA YARD - AREA #001)
ARECONT AV3155DN
IN ETHERNET (POE)
IN POWER (12V DC)

(PATIO - AREA #005)
ARECONT AV8365DN
IN ETHERNET (POE)
IN POWER (12V DC)

(GARAGE EXTERIOR - AREA #006)
ARECONT AV3155DN (#1)
IN ETHERNET (POE)
IN POWER (12V DC)

(TRASH - AREA #006)
ARECONT AV3155DN (#2)
IN ETHERNET (POE)
IN POWER (12V DC)

(LOWER POOL - AREA #010)
ARECONT AV8365DN
IN ETHERNET (POE)
IN POWER (12V DC)

(LIVING ROOM - AREA #107)
AXIS M3014
IN ETHERNET (POE)

(DINING ROOM - AREA #108)
AXIS M3014
IN ETHERNET (POE)

(FAMILY ROOM - AREA #111)
AXIS M3014
IN ETHERNET (POE)

(HALL - AREA #206)
AXIS M3014
IN ETHERNET (POE)

(GALLERY - AREA #209)
AXIS M3014
IN ETHERNET (POE)

ALTRONIX R615DC616ULCB
PWR 1 (12V DC) IN
PWR 2 (12V DC) IN
PWR 3 (12V DC) IN
PWR 4 (12V DC) IN
PWR 5 (12V DC) IN
PWR 6 (12V DC) IN
PWR 7 (12V DC) IN
PWR 8 (12V DC) IN
PWR 9 (12V DC) IN
PWR 10 (12V DC) IN
PWR 11 (12V DC) IN
PWR 12 (12V DC) IN
PWR 13 (12V DC) IN
PWR 14 (12V DC) IN
PWR 15 (12V DC) IN
PWR 16 (12V DC) IN
IN POWER (120V AC)

TO: ENTRY HOLOVISION CAMERA POWER — TO ELV-4.40
FROM ELV-4.40 — FR: ENTRY HOLOVISION CAMERA VIDEO
TO: VEH GATE HOLOVISION CAMERA POWER — TO ELV-4.40
FROM ELV-4.40 — FR: VEH GATE HOLOVISION CAMERA VIDEO
TO: KIT FR PAT HOLOVISION CAMERA POWER — TO ELV-4.41
FROM ELV-4.41 — FR: KIT FR PAT HOLOVISION CAMERA VIDEO

AXIS 240Q
VIDEO
IN VIDEO 1
IN VIDEO 2
IN VIDEO 3
IN VIDEO 4
OTHER
IN ETHERNET
IN RS422/RS485
IN I/O BLOCK
IN POWER (7 - 20V DC)

FROM ELV-4.63 — FR: LAN ETHERNET CONNECTION

CCTV_MUX
EXACQVISION 1608482000
ANALOG AUDIO
IN AUDIO 1
IN AUDIO 2
IN AUDIO 3
IN AUDIO 4
COMPOSITE VIDEO
IN VIDEO 1 OUT
IN VIDEO 2 OUT
IN VIDEO 3 OUT
IN VIDEO 4 OUT
IN VIDEO 5 OUT
IN VIDEO 6 OUT
IN VIDEO 7 OUT
IN VIDEO 8 OUT
IN VIDEO 9 OUT
IN VIDEO 10 OUT
IN VIDEO 11 OUT
IN VIDEO 12 OUT
IN VIDEO 13 OUT
IN VIDEO 14 OUT
IN VIDEO 15 OUT
IN VIDEO 16 OUT
MONITOR 1 OUT
MONITOR 2 OUT
DVI
DVI-D OUT
VGA
VGA OUT
OTHER
IN RS232
IN RS485
IN ETHERNET
IN USB 1
IN USB 2
IN USB 3
IN USB 4
IN USB 5 (FRONT)
IN USB 6 (FRONT)
IN ALARM OUT
NO, C, NC — RELAY
IN POWER (120V AC)

FROM ELV-4.63 — FR: LAN ETHERNET CONNECTION

CCTV_UPS
TRIPPLITE SU2200RT UPS #2
BANK 1
OUTLET 1 OUT
OUTLET 2 OUT
OUTLET 3 OUT
BANK 2
OUTLET 4 OUT
OUTLET 5 OUT
OUTLET 6 OUT
SLOT 1
IN SNMPWEBCARD
OTHER
IN PHONE/DATA
IN RS232
IN USB
IN EPO
IN POWER (120V AC)

FROM ELV-4.63 — FR: LAN ETHERNET CONTROL
FROM ELV-4.20 — FR: CRESTRON PRO2 IR SERIAL
FR: POWER 120V AC

TO: OVERLAY CONTROL CRESTRON SPWS300 — TO ELV-4.20

AXIOM DESIGN
Technology Concierge™
1526 Alhambra Blvd Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT

1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
CCTV DISTRIBUTION BLOCK DIAGRAM

REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-4.05

CONTROL | TOUCHPANELS/SOURCES | PROCESSOR/SWITCHER | OUTPUT DEVICES

BEDROOM 106

BED106_DM
CRESTRON DMRMC100C #1
HDMI: HDMI OUT
STP: IN DM 8G
COM: COM OUT
IR: IR 1 (S G), IR 2 (S G)
OTHER: IN USB, LAN IN/OUT, GRD, IN POWER (24V DC)

FROM ELV-4.01 — FR: WHOLE HOUSE VIDEO DM-MD16X16 S1 DM-1 — AV106A: AV106A:CTBG

LOCATED AT DESK LOCATION AREA #104

FROM ELV-4.62 — FR: LAN ETHERNET CONNECTION — AV104A: COM104A:LAN
- (FUTURE) CRESTRON PWE-4803RU: IN LAN, LAN (POE) OUT, IN POWER (120V AC) — FR: POWER 120V AC
- BED106_IPOD (FUTURE) CRESTRON CEN-IDOCV: AUD L/R (CAT5) OUT, VID (CAT5) OUT, IN LAN, IN USB, IN DOCK
- (FUTURE) CRESTRON CEN-IDOCV-DS: SYNC OUT
- AV104A: AV112B:CTA1 — TO: CRESTRON CNX-BIPADR (#1) INPUT #10 — TO ELV-4.00

FROM ELV-4.20 — FR: CRESNET C2N-SPWS300 — AV104C: AV104C:BD
- CRESTRON CEN-RFGW-EX: IN NET (4W), IN LAN (POE)
- AV106B: COM106B:LAN3
- APPLE IPAD2
- CRESTRON MLX-3
- CRESTRON IDOC-PAD2-DSC: OTHER IN POWER (120V AC) — FR: POWER 120V AC

CRESTRON HD-DA-2
ANALOG AUDIO: AUDIO L/R OUT
DIGITAL AUDIO: IN OPTICAL, IN COAXIAL OUT
HDMI: IN HDMI, HDMI 1 OUT, HDMI 2 OUT
OTHER: IN USB, IN POWER (24V DC)

CRESTRON PW-2407WU 24V DC OUT, IN POWER (120V AC) — FR: POWER 120V AC

BED106_YSP
YAMAHA YSP-4100
ANALOG AUDIO: IN AUDIO L/R (AUX 1), IN AUDIO L/R (TV), SUBWOOFER OUT
PRE-OUT: FRONT L/R OUT, CENTER OUT, SURROUND OUT, SURR BACK OUT, SUBWOOFER OUT
DIGITAL AUDIO: IN OPTICAL (AUX 1), IN OPTICAL (TV), IN COAXIAL (AUX 2)
COMPOSITE VIDEO: IN VIDEO
COMPONENT: IN YPRPB
HDMI: IN HDMI 1, IN HDMI 2, IN HDMI 3, IN HDMI 4, HDMI OUT
OTHER: IN SIRIUS, IR OUT, IN SYSTEM, IN RS232, IN FM ANTENNA, IN POWER (120V AC)

OEM POWER SUPPLY POWER (5V DC) OUT, IN POWER (120V AC) — FR: POWER 120V AC

OEM POWER SUPPLY POWER (5V DC) OUT, IN POWER (120V AC) — FR: POWER 120V AC

EXTRON MTP T AV RCA
ANALOG AUDIO: IN AUDIO L/R
COMPOSITE VIDEO: IN VIDEO (BNC)
CAT 5: CAT 5 OUT
OTHER: IN POWER (12V DC)

SENNHEISER RS-140
ANALOG AUDIO: IN AUDIO
OTHER: IN POWER (9V DC)

AV106A: AV106A:CTA

LOCATED IN GARAGE AREA #112

AV112B: AV106A:CTA

EXTRON MTP R AV RCA
ANALOG AUDIO: AUDIO L/R OUT
COMPOSITE VIDEO: VIDEO (BNC) OUT
CAT 5: CAT 5
OTHER: IN POWER (12V DC)

SONANCE A800
HI LEVEL: +/- LEFT +/-, +/- RIGHT +/-
HI PASS: IN LEFT OUT, IN RIGHT OUT
SUBWOOFER: SUBWOOFER +/-
OTHER: IN POWER (12V DC)

FROM ELV-4.10 — FR: EXTRON PS 124 OUTPUT 6 — FR: POWER 120V AC

AV112B: AV106C:SUB

SP106C: AV106C:SUB

FROM ELV-4.62 — FR: LAN ETHERNET CONNECTION — AV106A: COM106A:LAN

FR: SWITCHED POWER 120V AC

FROM ELV-4.20 — FR: CRESTRON PRO2 S1 RELAY A1, A2, A3, A4 — AV106A: AV106A:LC

FR: POWER 120V AC

IR

BED106_LCD
PANASONIC TC-46PGT24
ANALOG AUDIO: IN VIDEO 1 L/R, IN VIDEO 2 L/R (SIDE), IN YPBPR 1 L/R, IN YPBPR 2 L/R, IN HDMI/DVI L/R
DIGITAL AUDIO: OPTICAL OUT
COMPOSITE VIDEO: IN VIDEO 1, IN VIDEO 2 (SIDE)
COMPONENT: IN YPRPB 1, IN YPRPB 2
VGA: IN VGA
HDMI: IN HDMI 1, IN HDMI 2, IN HDMI 3 (SIDE)
OTHER: IN LAN, IN USB 1 (SIDE), IN USB 2 (SIDE), IN CABLE/ANTENNA, IN POWER (120V AC)

BED106_LIFT
INCA LIFT
IN RAISE, IN LOWER, IN COMMON, IN POWER (120V AC)

SONANCE X8WS +/-

SENNHEISER RS-140 HEADPHONES

DINING ROOM 108

DINING_DM (FUTURE)
CRESTRON DMRMC100C #2
HDMI: HDMI OUT
STP: IN DM 8G
COM: COM OUT
IR: IR 1 (S G), IR 2 (S G)
OTHER: IN USB, LAN IN/OUT, GRD, IN POWER (24V DC)

FROM ELV-4.01 — FR: WHOLE HOUSE VIDEO DM-MD16X16 S1 DM-2 — AV108A: AV108A:CTBG

FROM ELV-4.62 — FR: LAN ETHERNET CONNECTION — AV108B: COM108B:LAN1
- FR: POWER 120V AC
- (FUTURE) CRESTRON PWE-4803RU: IN LAN, LAN (POE) OUT, IN POWER (120V AC)
- DINING_IPOD (FUTURE) CRESTRON CEN-IDOCV: AUD L/R (CAT5) OUT, VID (CAT5) OUT, IN LAN, IN USB, IN DOCK
- (FUTURE) CRESTRON CEN-IDOCV-DS: SYNC OUT
- AV108B: AV112B:CTA2 — TO: CRESTRON CNX-BIPADR (#1) INPUT #11 — TO ELV-4.00

FROM ELV-4.20 — FR: CRESNET C2N-SPWS300 — AV108C: AV108C:BD
- CRESTRON CEN-RFGW-EX: IN NET (4W), IN LAN (POE)
- FROM ELV-4.62 — FR: LAN ETHERNET CONNECTION — AV108C: COM108C:LAN2
- RUCKUS ZONEFLEX 7363: IN ETHERNET (POE), IN POWER (120V AC)
- APPLE IPAD2
- CRESTRON MLX-3
- CRESTRON IDOC-PAD2-DSC: OTHER IN POWER (120V AC) — FR: POWER 120V AC

FROM ELV-4.62 — FR: LAN ETHERNET CONNECTION — AV108A: COM108A:LAN1

FROM ELV-4.20 — FR: CRESTRON PRO2 S1 RELAY A5, A6 — AV108A: AV108A:LC

FAMILY ROOM 111

FAM_DM
CRESTRON DMRMC100C #3
HDMI: HDMI OUT
STP: IN DM 8G
COM: COM OUT
IR: IR 1 (S G), IR 2 (S G)
OTHER: IN USB, LAN IN/OUT, GRD, IN POWER (24V DC)

FROM ELV-4.01 — FR: WHOLE HOUSE VIDEO DM-MD16X16 S1 DM-3 — AV111A: AV111A:CT8G

- APPLE IPAD2
- CRESTRON MLX-3
- CRESTRON IDOC-PAD2-DSC: OTHER IN POWER (120V AC) — FR: POWER 120V AC

FROM ELV-4.20 — FR: CRESNET C2N-SPWS300 — AV111B: AV111B:BD
- CRESTRON CEN-HPRFGW: IN LAN, IN NET (4W), IN POWER (12V DC)
- CRESTRON UFO-WPR-3ER

IR

FAM_LCD
PANASONIC TC-P65VT25
ANALOG AUDIO: IN VIDEO 1 L/R, IN VIDEO 2 L/R (SIDE), IN YPBPR 1 L/R, IN YPBPR 2 L/R, IN HDMI/DVI L/R
DIGITAL AUDIO: OPTICAL OUT
COMPOSITE VIDEO: IN VIDEO 1, IN VIDEO 2 (SIDE)
COMPONENT: IN YPRPB 1, IN YPRPB 2
VGA: IN VGA
HDMI: IN HDMI 1, IN HDMI 2, IN HDMI 3, IN HDMI 4 (SIDE)
OTHER: IN LAN, IN USB 1 (SIDE), IN USB 2 (SIDE), IN RS232, IN CABLE/ANTENNA, IN POWER (120V AC)

FROM ELV-4.62 — FR: LAN ETHERNET CONNECTION — AV111A: COM111A:LAN1

FR: SWITCHED POWER 120V AC

FROM ELV-4.20 — FR: CRESTRON PRO2 S1 RELAY B1, B2, B3, B4 — AV111A: AV111A:LC

FR: SWITCHED POWER 120V AC

FAM_LIFT
INCA LIFT
IN RAISE, IN LOWER, IN COMMON, IN POWER (120V AC)

SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
BEDROOM 106, DINING ROOM 108, AND FAMILY ROOM 111 BLOCK DIAGRAMS

REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-4.10

CONTROLLER | TOUCHPANELS/SOURCES | FEEDBACK PERIPHERALS | PROCESSOR/SWITCHER | AMPLIFIERS | OUTPUT DEVICES

FROM ELV-4.01 ← FR: WHOLE HOUSE VIDEO DM-MD16X16 S1 DM-7 ← AV202A:CT8G

MEDIA_DM
CRESTRON DMRMC100C #7
HDMI OUT
STP
IN DM 8G
COM
COM OUT
IR
IR 1 S G
IR 2 S G
OTHER
IN USB
LAN IN/OUT
IN GRD
IN POWER (24V DC)

AV202A:UTP → AV202G:UTP

FROM ELV-4.01 ← FR: WHOLE HOUSE VIDEO DM-MD16X16 S1 DM-8 ← AV202C:CT8G

MEDIABAR_DM
CRESTRON DMRMC100C #8
HDMI OUT
STP
IN DM 8G
COM
COM OUT
IR
IR 1 S G
IR 2 S G
OTHER
IN USB
LAN IN/OUT
IN GRD
IN POWER (24V DC)

AV202C:UTP → AV202B:UTP2
AV202B:UTP1

30FT EXTENSION

AV202B
AV112B:CTA3 → TO: CRESTRON CNX-BIPAD8 (#1) INPUT #12 → TO ELV-4.00
AV112C:CT8G → TO: CRESTRON DMMD16X16 INPUT CARD SLOT#9 → TO ELV-4.01

FROM ELV-4.62 ← FR: LAN ETHERNET CONNECTION ← AV202B:COM2028:LAN1

CRESTRON PWE-4803RU
IN LAN
LAN (POE) OUT
IN POWER (120V AC)

MEDIA_IPOD
CRESTRON CEN-IDOCV
AUD L/R (CAT5) OUT
VID (CAT5) OUT
IN LAN
IN USB
IN DOCK

CRESTRON CEN-IDOCV-DS
SYNC OUT

MEDIA_DMTX
CRESTRON DM-TX-201-C
DM OUT
ANALOG AUDIO
IN AUDIO L/R (MINI)
RGB
IN VGA
HDMI
IN HDMI OUT
OTHER
IN LAN
IN USB HID
IN POWER (24V DC)

CRESTRON PW-2407WU
24V DC OUT
IN POWER (120V AC)

MEDIA_WII
NINTENDO WII
A/V PORT
ANALOG AUDIO
AUDIO L/R OUT
COMPOSITE VIDEO
VIDEO OUT
COMPONENT
YPBPR OUT
OTHER
IN ETHERNET
SENSOR BAR OUT
IN USB (FRONT)
IN USB (FRONT)
IN USB (REAR)
IN USB (REAR)
IN USB (REAR)
IN POWER (120V AC)

FROM ELV-4.62 ← FR: LAN ETHERNET CONNECTION ← AV202B:COM2028:LAN2

AV202B:UTP2 → **SCHMARTZ PS3IR-1000**
IN IR
SENSING (PWR) OUT
IN POWER (USB)

USB CHARGER
POWER (USB) OUT
IN POWER (120V AC)

MEDIA_PS3
SONY PLAYSTATION 3
A/V MULTI OUT
ANALOG AUDIO
AUDIO L/R OUT
COMPOSITE
VIDEO OUT
COMPONENT
YPBPR OUT
DIGITAL AUDIO
OPTICAL OUT
HDMI
HDMI OUT
OTHER
IN ETHERNET
IN USB 1
IN USB 2
IN POWER (120V AC)

FROM ELV-4.62 ← FR: LAN ETHERNET CONNECTION ← AV202B:COM2028:LAN3

MEDIA_PDU
TRIPPLITE PDUMH15AT #1
OUTLET 1 OUT
OUTLET 2 OUT
OUTLET 3 OUT
OUTLET 4 OUT
OUTLET 5 OUT
OUTLET 6 OUT
OUTLET 7 OUT
OUTLET 8 OUT
OTHER
IN ETHERNET
IN PS/2 PORT
IN SERIAL PORT
IN POWER (120V AC)

FROM ELV-4.62 ← FR: LAN ETHERNET CONNECTION ← AV202B:COM2028:LAN4
FROM ELV-4.62 ← FR: POWER 120V AC ← AV202B:UTP1

FROM ELV-4.20 ← FR: CRESNET C2N-SPWS300 ← **AV202F** AV202F:BD

CRESTRON CEN-RFGW-EX
IN NET (4W)
IN LAN (POE)

FROM ELV-4.62 ← FR: LAN ETHERNET CONNECTION ← AV202F:LAN2

RUCKUS ZONEFLEX 7363
IN ETHERNET (POE)
IN POWER (120V AC)

APPLE IPAD2

CRESTRON MLX-3

FR: POWER 120V AC → **CRESTRON IDOC-PAD2-DSC**
OTHER
IN POWER (120V AC)

LOCATED AT HEAD END AREA #112

MEDIA_PROC
DENON AVR-5308CI(A)
ANALOG AUDIO
IN PHONO
IN CD
IN DVD
IN HDP
IN TV/CBL
IN SAT
IN VCR (IPOD)
VCR OUT
IN DVR-1 OUT
IN DVR-2 OUT
EXTERNAL IN
IN FRONT LEFT
IN FRONT RIGHT
IN CENTER
IN SURR LEFT
IN SURR RIGHT
IN SURR BACK LEFT
IN SURR BACK RIGHT
IN SUBWOOFER
PRE OUT
FRONT LEFT OUT
FRONT RIGHT OUT
CENTER OUT
SURR A LEFT OUT
SURR A RIGHT OUT
SURR BACK LEFT OUT
SURR BACK RIGHT OUT
SURR B LEFT OUT
SURR B RIGHT OUT
SUBWOOFER 1 OUT
SUBWOOFER 2 OUT
SUBWOOFER 3 OUT
ZONE 2 L/R OUT
ZONE 3 L/R OUT
DIGITAL AUDIO
IN DENON LINK
IN BNC 1
IN BNC 2
IN COAX 1 (DVD)
IN COAX 2 (HDP)
IN COAX 3 (SAT)
IN COAX 4 (CD)
IN OPTIC 1 (TV/CBL)
IN OPTIC 2 (DVR-1) OUT
IN OPTIC 3 (DVR-2) OUT
IN OPTIC 4 (VCR)
ZONE 2 OUT
OPT 4 (VCR)/ZN 4 OUT
VIDEO
IN DVD
IN HDP
IN TV/CBL
IN SAT
IN VCR (IPOD)
VCR OUT
IN DVR-1 OUT
IN DVR-2 OUT
MONITOR OUT
ZONE 2 OUT
ZONE 3 OUT
S-VIDEO
IN DVD
IN HDP
IN TV/CBL
IN SAT
IN VCR (IPOD)
VCR OUT
IN DVR-1 OUT
IN DVR-2 OUT
MONITOR OUT
ZONE 2 OUT
COMPONENT
IN YPBPR 1 (DVD)
IN YPBPR 2 (HDP)
IN YPBPR 3 (TV/CBL)
IN YPBPR 4 (SAT)
IN YPBPR 5 (DVR-1)
IN YPBPR 6
MONITOR 1 OUT
MONITOR 2 OUT
ZONE 2 OUT
HDMI
IN HDMI 1 (DVD)
IN HDMI 2 (HDP)
IN HDMI 3 (SAT)
IN HDMI 4 (VCR)
IN HDMI 5 (DVR-1)
IN HDMI 6 (DVR-2)
MONITOR 1 OUT
MONITOR 2 OUT
SPEAKERS
FRONT LEFT +/-
FRONT RIGHT +/-
CENTER +/-
SURR A LEFT +/-
SURR A RIGHT +/-
SURR BACK LEFT +/-
SURR BACK RIGHT +/-
SR B/ASGN 1 L +/-
SR B/ASGN 1 R +/-
ASGN 2 L +/-
ASSN 2 R +/-
OTHER
IN RS232 1
IN RS232 1
IN ETHERNET
IN USB
IN DOCK CONTROL
IN ROOM TO ROOM OUT
IN WLAN
IN XM
IN AM ANTENNA
IN FM ANTENNA
IN AM ANTENNA (HD)
IN FM ANTENNA (HD)
IN GROUND
TRIGGER 1 OUT
TRIGGER 2 OUT
TRIGGER 3 OUT
TRIGGER 4 OUT
SW OUTLT 1 OUT
SW OUTLT 2 OUT
SW OUTLT 3 OUT
IN POWER (120V AC)

FROM ELV-4.00 ← FR: WHOLE HOUSE AUDIO CNX-BIPAD8 #3 OUT #4

FROM ELV-4.01 ← FR: ART WORK DVD PLYR 1 OPTICAL AUD OUT
FROM ELV-4.01 ← FR: ART WORK DVD PLYR 2 OPTICAL AUD OUT

FROM ELV-4.01 ← FR: WHOLE HOUSE VIDEO DM16X16 S1 HDMI 7

FROM ELV-4.20 ← FR: CRESTRON PRO2 COM CONTROL
FROM ELV-4.63 ← FR: LAN ETHERNET CONNECTION

FR: POWER 120V AC → IN POWER (120V AC)

EXTRON BUC 102
UNBALANCED AUDIO
IN AUDIO L
IN AUDIO R
BALANCED AUDIO
AUDIO L OUT
AUDIO R OUT
OTHER
IN POWER (12V DC)

EXTRON PS 1210 C
12V DC OUT
IN POWER (120V AC)

FROM ELV-4.01 ← FR: SWITCHED POWER POWER (120V AC)

QSC DSP-4
BALANCED AUDIO
IN CH 1 OUT
IN CH 2 OUT
OTHER
IN DATA PORT OUT
IN RS232
IN POWER (15V DC)

QSC CX404
BALANCED AUDIO
IN CH 1
IN CH 2
IN CH 3
IN CH 4
SPEAKER
CH 1 +/-
CH 2 +/-
CH 3 +/-
CH 4 +/-
OTHER
IN DATA PORT (CH 1/2)
IN DATA PORT (CH 3/4)
IN POWER (120V AC)

FR: POWER 120V AC

AV112C
AV202F:SUB
AV202G:SUB
AV202H:SUB
AV202I:SUB
AV202A:SP
AV202C:SP
AV202B:SP
AV202D:SP
AV202E:SP

TRIAD BRONZE/10 +/-
TRIAD BRONZE/10 +/-
TRIAD BRONZE/10 +/-
TRIAD BRONZE/10 +/-
LEON SPEAKERS PR404 +/-
LEON SPEAKERS PR404 +/-
LEON SPEAKERS HZ414C +/-
LEON SPEAKERS AX-V5 +/-
LEON SPEAKERS AX-V5 +/-

FR: SWITCHED POWER 120V AC → **AV202A** → **WII SENSOR BAR** IN

MEDIA_PLASMA
PANASONIC TH-85VX200U
ANALOG AUDIO
IN AUDIO 1 L/R
IN AUDIO L/R 2 (PC)
VGA
IN VGA (PC)
HDMI
IN HDMI 1
IN HDMI 2
IN HDMI 3
IN HDMI 4
OTHER
IN SERIAL (DSUB 9P) OUT
IN POWER (120V AC)

FR: POWER 120V AC → **AV202G** AV202G:UTP → **MEDIA_SCRN**
SCREEN RESEARCH MCS232
IN SERIAL COM
IN POWER (120V AC)

FROM ELV-4.20 ← FR: CRESTRON PRO2 RELAY CONTROL → **AV202G** AV202G:LC2 → **MEDIA_SCRN_MECH**
SCREEN MECHANISM
MODEL TBD
IN IN
IN OUT
IN COMMON
IN POWER (120V AC)

FR: POWER 120V AC

FROM ELV-4.20 ← TO: CRESTRON PRO2 I/O SENSING → **AV202G** AV202G:LC2 → **SCREEN MECHANISM IN/OUT**
OUT
GRD

FROM ELV-4.20 ← TO: CRESTRON PRO2 I/O SENSING → **AV202G** AC202G:LC2 → **SCREEN BATTEN UP/DOWN**
OUT
GRD

MEDIA_PROJ
EPSON PRO 6010
COMPOSITE VIDEO
IN VIDEO
COMPONENT
IN YPRPB
VGA
IN VGA
HDMI
IN HDMI 1
IN HDMI 2
OTHER
IN RS232
IN EXT 3D IR
IN TRIGGER OUT
IN POWER (120V AC)

FR: SWITCHED POWER 120V AC

FROM ELV-4.20 ← FR: CRESTRON PRO2 RELAY CONTROL → **AV202C** AC202C:LC → **MEDIA_PROJDR**
PROJECTOR DOOR
MODEL TBD
IN OPEN
IN CLOSE
IN COMMON
IN POWER (120V AC)

FR: POWER 120V AC

AXIOM DESIGN
Technology Concierge™
1324 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
MEDIA ROOM BLOCK DIAGRAM

REVISIONS	BY

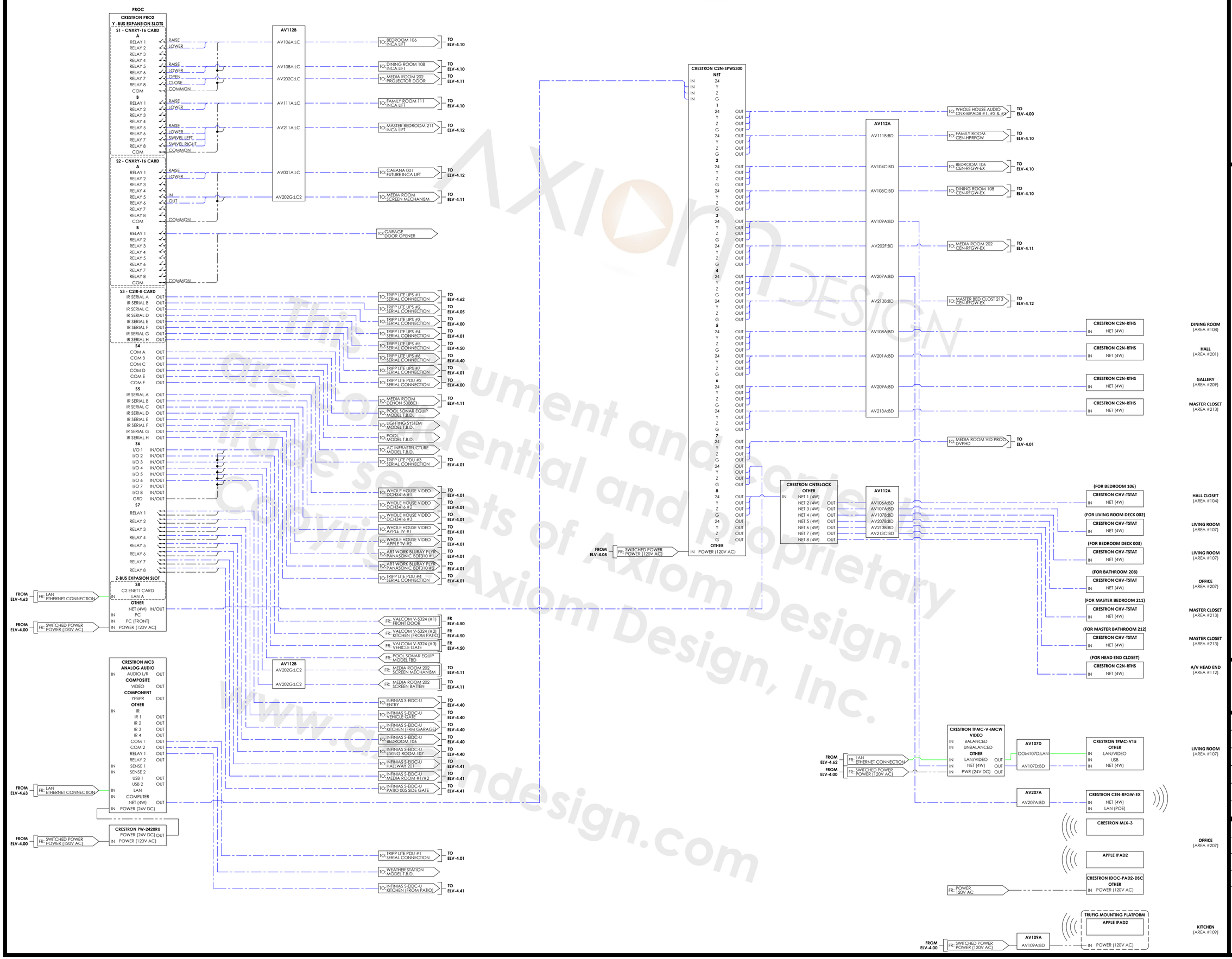
DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-4.11

POWER SUPPLIES/CONTROL

DISTRIBUTION

OUTPUT DEVICES/TOUCHPANELS



AXIOM DESIGN
Technology Concierge™
1526 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT

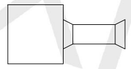
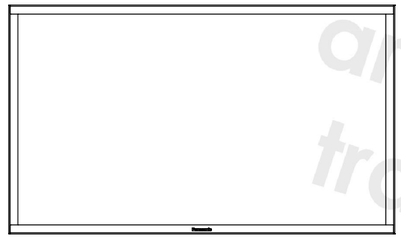
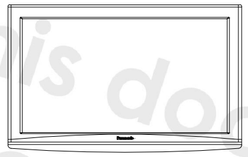
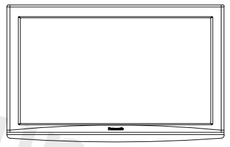
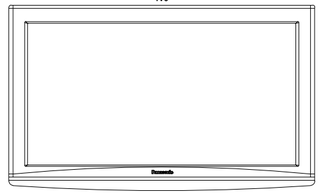
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
OVERLAY CONTROL BLOCK DIAGRAM

REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-4.20

SP1  **SONANCE X6S** IN-CEILING/IN-WALL SPEAKER	**SP2**  **GALLO ACOUSTICS NUCLEUS MICRO** LOUD SPEAKER	**SP3**  **SONANCE MARINER 82** OUTDOOR SPEAKER	**SP4**  **SONANCE EXTREME XT** OUTDOOR SPEAKER	**SP5**  **LEON SPEAKERS PR-414C** CENTER CHANNEL SPEAKER	**SP6**  **LEON SPEAKERS PR-404** LEFT/RIGHT CHANNEL SPEAKER	**SP7**  **YAMAHA YSP-4100** DSP SPEAKER	**SP8**  **SONANCE X6X SST** IN-CEILING/IN-WALL SPEAKER
SP10  **LEON SPEAKERS AX-V5** SURROUND SPEAKER	**SB1**  **SONANCE X8WS** IN-WALL SUBWOOFER	**SB2**  **TRIAD BRONZE/10** IN-CEILING SUBWOOFER	**SB3**  **JAMES LOUDSPEAKER 1000PT** SUBWOOFER	**TP1**  **APPLE IPAD 2 W/CRESTRON IDOC-PAD2-DSC** WIFI TOUCHPANEL W/TABLETOP DOCKING STATION	**TP2**  **APPLE IPAD2 W/TRU FIG MOUNTING PLATFORM** WALL MOUNTED WIFI TOUCHPANEL	**TP3** **CRESTRON MLX-3** HANDHELD REMOTE	**TP4**  **CRESTRON TPMC-V15** TABLETOP HARDWIRED TILT TOUCHPANEL
TV1  **PANASONIC TH-85VX200U** PLASMA DISPLAY	**TV2**  **PANASONIC TC-P50GT25** PLASMA DISPLAY	**TV3**  **PANASONIC TC-P46PGT24** PLASMA DISPLAY	**TV4**  **PANASONIC TC-L32DT30** PLASMA DISPLAY	**TV5**  **EPSON POWERLITE PRO CINEMA 6010** LCD 3D PROJECTOR	**TV6**  **PANASONIC TC-P65VT25** PLASMA DISPLAY		
	PH1  **PANASONIC KX-DT343-X** WIRED PHONE	**PH2** **PANASONIC KX-TD7685** WIRELESS PHONE	**WAP1** **RUCKUS ZONEFLEX 7363** WIRELESS ACCESS POINT	**CC1**  **ARECONT VISION AV8365** IP CAMERA	**CC2**  **ARECONT AV315SDN** IP CAMERA	**CC3** **AXIS M3014** FIXED DOME NETWORK CAMERA
DP1  **CUSTOM HOLOVISION MODEL** DOOR PHONE W/CAMERA & ACCESS CONTROL KEYPAD	**DP2**  **CUSTOM HOLOVISION MODEL** DOOR PHONE	**AC1** **HOLOVISION MODEL 503** ACCESS CONTROL KEYPAD	**DR1**  **SDC 1561** ELECTROMAGNETIC LOCK	**DR2**  **SDC 1575** ELECTROMAGNETIC LOCK	**GB1**  **GE 5820A** GLASS BREAK DETECTOR	**SD1**  **KIDDE KN-SMFM-1** SMOKE DETECTOR	
DS1  **SENTROL 1075 SWITCH** MAGNETIC SECURITY SWITCH	**WS1**  **SENTROL 1075 SWITCH** MAGNETIC SECURITY SWITCH	**MD1**  **EE SYSTEMS GROUP EE977DMC** MICRO MOTION DETECTOR	**MD2**  **VISONIC VI MOTION** WALL MOUNTED MOTION DETECTOR	**MD3** **TAKEX PB-10TNS** PHOTOELECTRIC TWIN BEAM SENSOR	**MD4** **TAKEX MS-100E** MOTION SENSOR SWITCH	**SK1** **ELK M1KP2 KEYPAD** SECURITY KEYPAD	**HD1** **ESL 104-13** HEAT SENSOR
AD1 **ELK SP12F** SIREN SPEAKER	**PB1** **MODEL T.B.D.** PANIC SWITCH	**PB2** **HONEYWELL 5802MN** WIRELESS PANIC SWITCH	**TS1** **CRESTRON C2N-RTHS** TEMPERATURE SENSOR	**T1** **CRESTRON CHV-TSTAT** HEATING/COOLING THERMOSTAT	**AD2** **FLOYD BELL TLH-B7W-930-S** ULTRA BRIGHT WHITE INDICATOR	**RTE1** **TRUFIG REQUEST TO EXIT BUTTON** TRUFIG CUSTOM PLATE	

AXIOM DESIGN
Technology Concierge™
1324 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

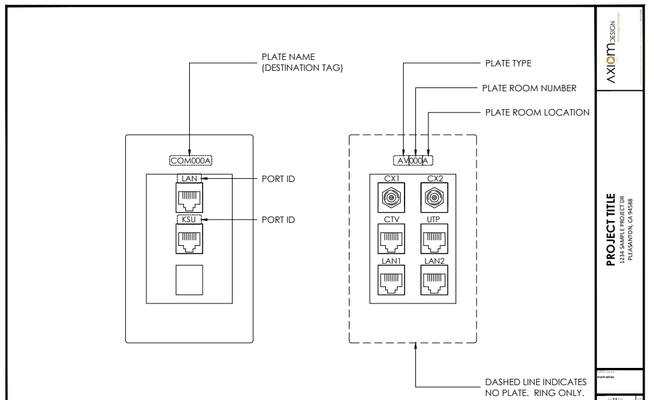
SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
DEVICE SCHEDULE

REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-5.00



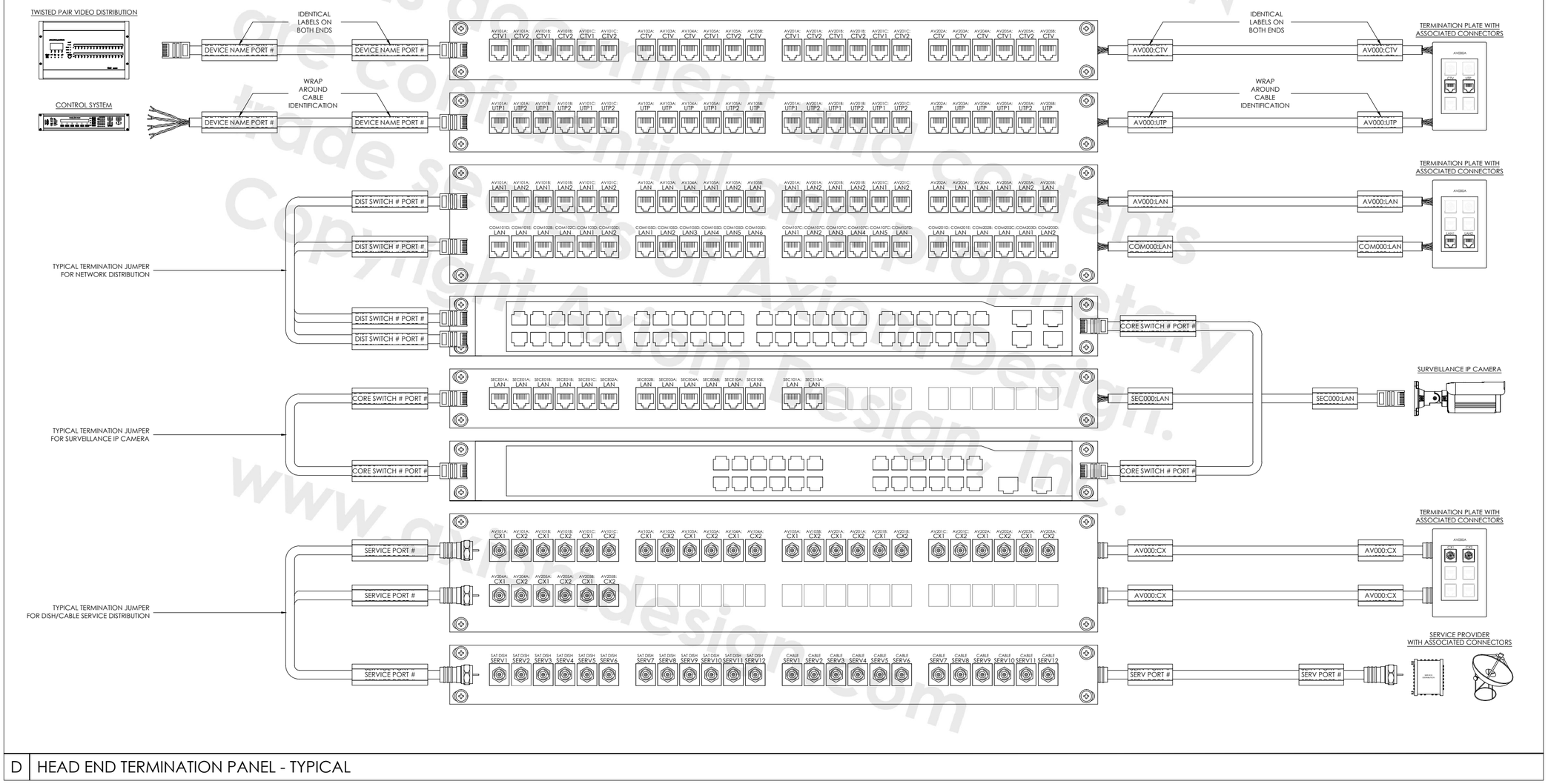
A | PLATE IDENTIFICATION

	MINI XLR CONNECTOR		⅛" TRS CONNECTOR
	RJ45 CONNECTOR		15 PIN D-SHELL CONNECTOR
	RJ45 KEYED CONNECTOR		BINDING POST CONNECTOR
	RCA CONNECTOR		
	BNC CONNECTOR		
	F CONNECTOR		
	FIBER OPTIC CONNECTOR		
	RJ11 CONNECTOR		

B | PORT SCHEDULE

KSU	TELEPHONE SYSTEM VOICE ENHANCED CAT 6E 4-PR CABLE	RP	REMOTE POWER 18/2 STRANDED CABLE
LAN	LOCAL AREA DATA NETWORK ENHANCED CAT 6E 4-PR CABLE	ACK	ACCESS CONTROL KEYPAD 22/6-PR SHIELDED CABLE
CTA	BALANCED AUDIO ENHANCED CAT 6E 4-PR CABLE	LL	LINE LEVEL SINGLE CHANNEL AUDIO 22/2 WITH DRAIN CABLE
CTV	BALANCED VIDEO ENHANCED CAT 6E 4-PR CABLE	SP	SINGLE SPEAKER 14/2 SPEAKER CABLE
UTP	DEVICE AND SYSTEM CONTROL ENHANCED CAT 6E 4-PR CABLE	SP4	SPEAKER PAIR OR DUAL CHANNEL 14/4 SPEAKER CABLE
CV	COMPOSITE VIDEO RG6/U PRECISION COAXIAL CABLE	SUB	SINGLE SUBWOOFER 14/2 SPEAKER CABLE
CX	SATELLITE/CATV/RADIO ANTENNA RG6 QUAD SHEILDED COAXIAL CABLE	FO	FIBER OPTIC COMMUNICATION (4 FIBER) MULTIMODE FIBER 62.5/125UM CABLE
HDMI	HIGH-DEFINITION DIGITAL VIDEO PRE-TERMINATED HDMI CABLE	RGB	HIGH-RESOLUTION ANALOG VIDEO 26 AWG, 5 COAX PRECISION CABLE

C | PORT DEFINITION



D | HEAD END TERMINATION PANEL - TYPICAL

AXIOM DESIGN
Technology Concierge™
1305 Marina Road Suite 221 | Walnut Creek, CA 94598 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

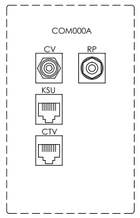
SHEET NAME:
PLATE DETAILS 1

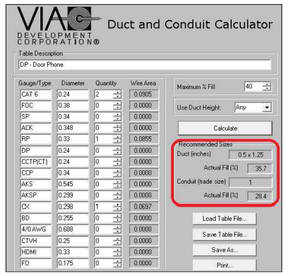
REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

ELV-6.00

CABLE ASSEMBLY
1 - CAT6 UTP (VOICE)
1 - CAT6 UTP (VIDEO)
1 - RG6 COAX (VIDEO)
1 - 18/2 (LOW VOLTAGE POWER)

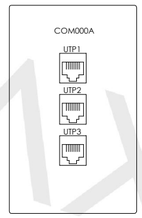


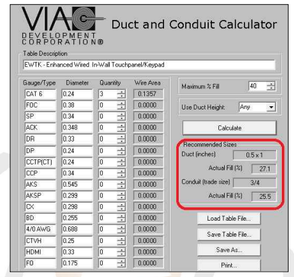


NOTES
1) REFER TO INSTALLATION DETAILS FOR CONNECTOR TERMINATION.
2) REFER TO WIRE TYPE STANDARDS FOR REFERENCED WIRE MANUFACTURE AND MODEL.

1 DP - DOOR PHONE

CABLE ASSEMBLY
1 - CAT6 UTP (LAN)
1 - CAT6 UTP (VIDEO)
1 - CAT6 UTP (CONTROL)

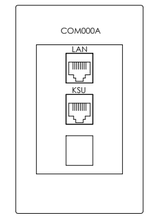


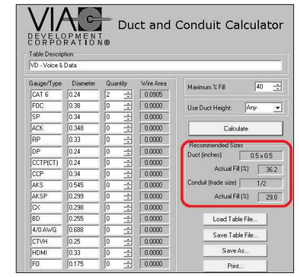


NOTES
1) REFER TO INSTALLATION DETAILS FOR CONNECTOR TERMINATION.
2) NO PLATE INSTALLED. RING ONLY.

2 EWTK - ENHANCED WIRED TOUCHPANELS/KEYPADS

CABLE ASSEMBLY
2 - CAT6 UTP (VOICE, LAN)

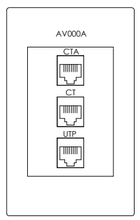


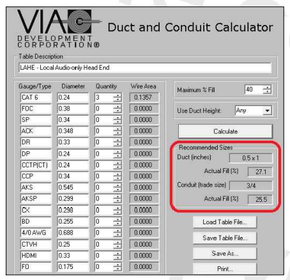


NOTES
1) REFER TO INSTALLATION DETAILS FOR CONNECTOR TERMINATION.

3 VD - VOICE/DATA

CABLE ASSEMBLY
1 - CAT6 UTP (ANALOG AUDIO)
1 - CAT6 UTP (CONTROL)
1 - CAT6 UTP (LAN)

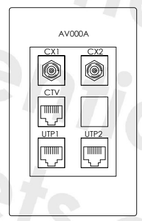


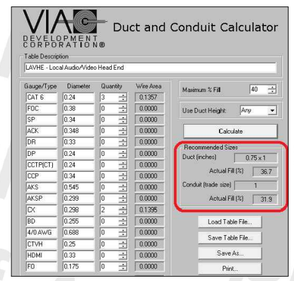


NOTES
1) REFER TO INSTALLATION DETAILS FOR CONNECTOR TERMINATION.

4 LAHE - LOCAL AUDIO ONLY HEAD END

CABLE ASSEMBLY
2 - RG6 COAXIAL (DSS/CATV)
2 - CAT6 UTP (VOICE, LAN)
1 - CAT6 UTP (VIDEO)

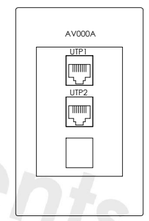


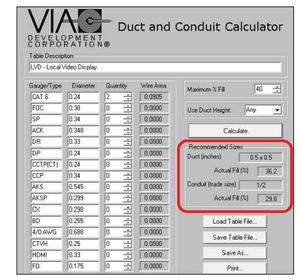


NOTES
1) REFER TO INSTALLATION DETAILS FOR CONNECTOR TERMINATION.

5 LAVHE - LOCAL AUDIO/VIDEO HEAD END

CABLE ASSEMBLY
1 - CAT6 UTP (CONTROL)
1 - CAT6 UTP (VIDEO)

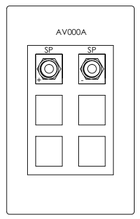


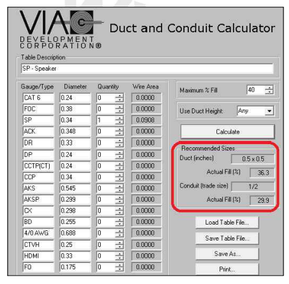


NOTES
1) REFER TO INSTALLATION DETAILS FOR CONNECTOR TERMINATION.
2) INCLUDE 1.5" CONDUIT TO FROM DISPLAY PLATE TO HEAD END LOCATION.

6 LVD - LOCAL VIDEO DISPLAY

CABLE ASSEMBLY
1 - 14/2 SPEAKER WIRE

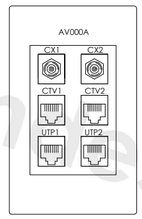


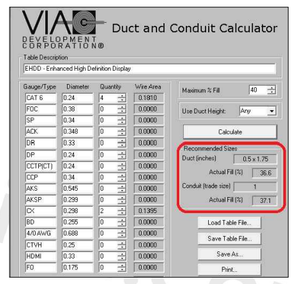


NOTES
1) REFER TO INSTALLATION DETAILS FOR CONNECTOR TERMINATION.

7 SP - SPEAKER WALL PLATE

CABLE ASSEMBLY
2 - RG6 COAX (DSS/CATV)
2 - CAT6 UTP (VIDEO, LAN, CONTROL)
2 - CAT6 UTP (DISTRIBUTED VIDEO)

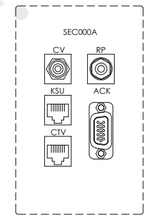


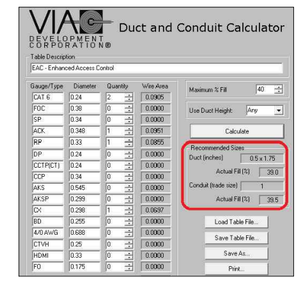


NOTES
1) REFER TO INSTALLATION DETAILS FOR CONNECTOR TERMINATION.

8 EHDD - ENHANCED HIGH DEFINITION DISPLAY

CABLE ASSEMBLY
1 - CAT6 UTP (VOICE)
1 - CAT6 UTP (VIDEO)
1 - RG6 COAX (VIDEO)
1 - 18/2 (LOW VOLTAGE POWER)
1 - 22/12 CONTROL CABLE (WEIGAND)





NOTES
1) REFER TO INSTALLATION DETAILS FOR CONNECTOR TERMINATION.

9 EAC - ENHANCED ACCESS CONTROL KEYPAD

AXIOM DESIGN
Technology Concierge™
1526 Alhambra Boulevard, Suite 221 | Walnut Creek, CA, 94596 | www.axiomdesign.com | 925.414.2000

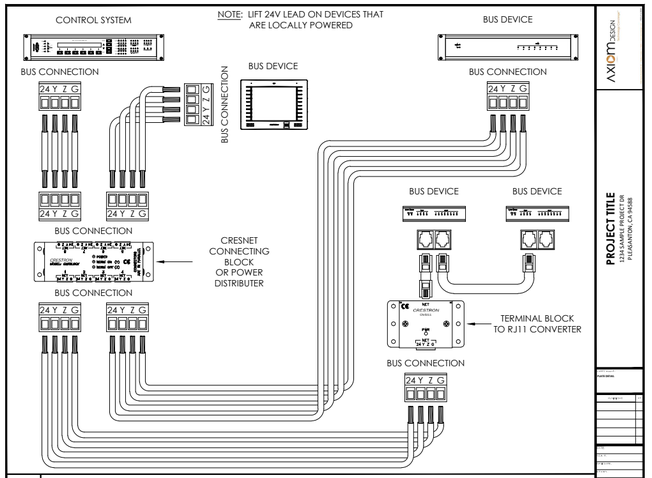
SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
PLATE DETAILS 2

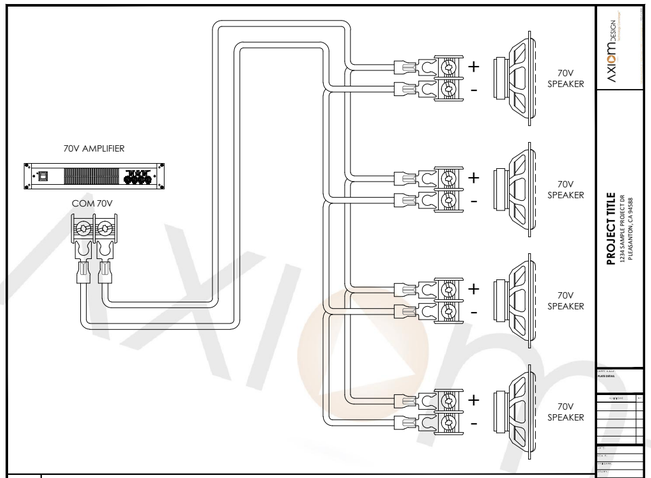
REVISIONS	BY

DATE: 00-00-00
SCALE: N.T.S
DESIGNER: DESIGNER
DRAWN: DRAWNBY
SHEET:

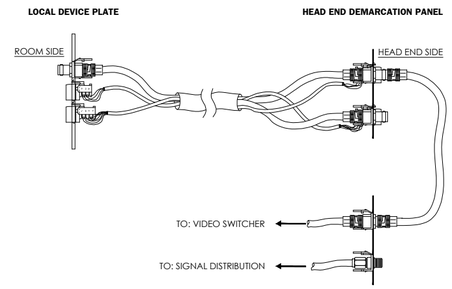
ELV-6.01



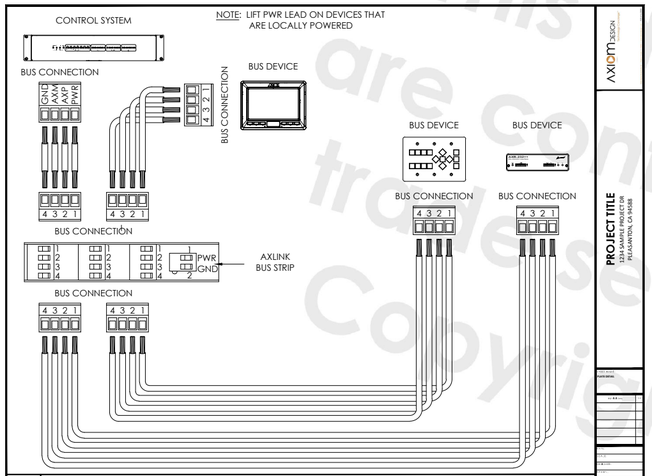
1 CRESNET NETWORK WIRING DETAIL



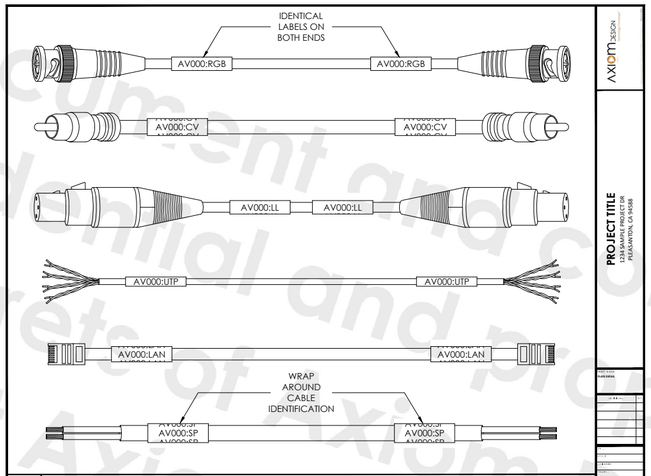
2 70V SPEAKER WIRING DETAIL



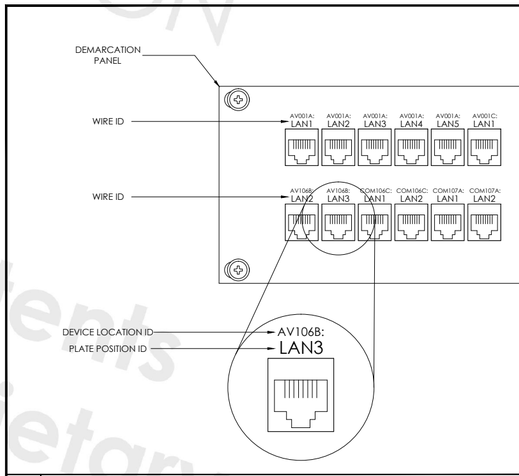
3 PANEL JUMPER DETAIL



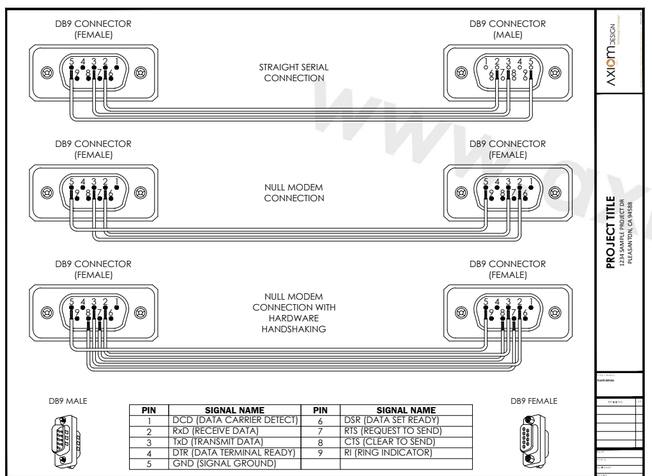
4 AXLINK NETWORK WIRING DETAIL



5 WIRE LABELING DETAIL

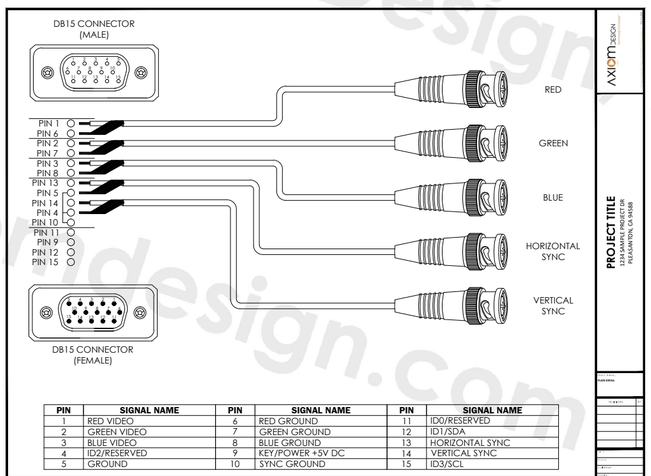


6 PANEL LABELING DETAIL



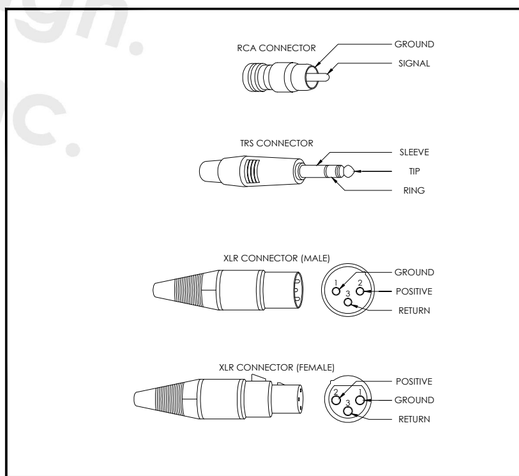
PIN	SIGNAL NAME	PIN	SIGNAL NAME
1	DCD (DATA CARRIER DETECT)	6	DSR (DATA SET READY)
2	RxD (RECEIVE DATA)	7	RTS (REQUEST TO SEND)
3	TxD (TRANSMIT DATA)	8	CTS (CLEAR TO SEND)
4	DTR (DATA TERMINAL READY)	9	RI (RING INDICATOR)
5	GND (SIGNAL GROUND)		

7 DB-9 PIN-OUT TERMINATION DETAIL



PIN	SIGNAL NAME	PIN	SIGNAL NAME	PIN	SIGNAL NAME
1	RED VIDEO	6	RED GROUND	11	ID0/RESERVED
2	GREEN VIDEO	7	GREEN GROUND	12	ID1/SDA
3	BLUE VIDEO	8	BLUE GROUND	13	HORIZONTAL SYNC
4	ID2/RESERVED	9	KEY/POWER +5V DC	14	VERTICAL SYNC
5	GROUND	10	SYNC GROUND	15	ID3/SCL

8 DB-15 PIN-OUT TERMINATION DETAIL



9 ANALOG AUDIO TERMINATION DETAIL

AXIOM DESIGN
Technology Concierge™
1240 Alpine Road Suite 221 | Walnut Creek, CA 94596 | www.axiomdesign.com | 925.414.2000

SAMPLE PROJECT
1234 SAMPLE PROJECT DR
PLEASANTON, CA 94588

SHEET NAME:
INSTALLATION DETAILS 1

REVISIONS	BY

DATE: 11-18-13
SCALE: N.T.S
DESIGNER: TA
DRAWN: BM
SHEET:

ELV-6.10