Network
Toslink
HDMI
Speaker
RCA Audio
Custom Misc
IR Emitter

Elan	EL-IP-ODV2-WH
POE - DATA - RJ45	RJ45 - DATA - POE
IN	IP -001 OUT

Elan	EL-IP-ODV2-WH
POE - DATA - RJ45	RJ45 - DATA - POE
IN	IP -002 OUT

Elan	EL-IP-ODV2-WH
POE - DATA - RJ45	RJ45 - DATA - POE
IN	IP -003 OUT

Elan	EL-IP-ODV2-WH
POE - DATA - RJ45	RJ45 - DATA - POE
IN	IP -004 OUT

Elan	EL-IP-ODV2-WH
POE - DATA - RJ45	RJ45 - DATA - POE
IN	IP -005 OUT

Elan	EL-IP-ODV2-WH
POE - DATA - RJ45	RJ45 - DATA - POE
IN	IP -006 OUT

Elan	EL-IP-ODV2-WH
POE - DATA - RJ45	RJ45 - DATA - POE
IN	IP -008 OUT

Elan	EL-IP-ODV2-WH
POE - DATA - RJ45	RJ45 - DATA - POE
IN	IP -009 OUT

Aruba	IAP-305
POWER - 12VDC - DCPLUG	RJ45 - DATA - ETHERNET 1
ETHERNET 1 - DATA - RJ45	USB - DATA - USB 2.0
USB 2.0 - DATA - USB	
IN	WIR-003 OUT

Aruba	IAP-305
POWER - 12VDC - DCPLUG	RJ45 - DATA - ETHERNET 1
ETHERNET 1 - DATA - RJ45	USB - DATA - USB 2.0
USB 2.0 - DATA - USB	
IN	WIR-002 OUT

Aruba	IAP-305
POWER - 12VDC - DCPLUG	RJ45 - DATA - ETHERNET 1
ETHERNET 1 - DATA - RJ45	USB - DATA - USB 2.0
USB 2.0 - DATA - USB	
IN	WIR-001 OUT

Elan	gTP7-W
USB 1 - POWER - MINI USB	1/8" TRS - AUD-RL - AUDIO
ETHERNET - POWER/DATA - RJ45	RJ45 - POE - ETHERNET
USB 2 - DATA - USB	
IN	TOU-002 OUT

Elan	gTP7-W
USB 1 - POWER - MINI USB	1/8" TRS - AUD-RL - AUDIO
ETHERNET - POWER/DATA - RJ45	RJ45 - POE - ETHERNET
USB 2 - DATA - USB	
IN	TOU-001 OUT

Motorola	SB6121
CABLE IN - DATA - F	F - DATA - CABLE IN
LAN - DATA - RJ45	RJ45 - DATA - LAN
IN	MOD-001 OUT

Luxul	ABR-5000
POWER - 240VAC - ACPLUG	RJ45 - DATA - WAN 1
USB 2.0 - DATA - USB 2.0	RJ45 - DATA - WAN 2
WAN 1 - DATA - RJ45	RJ45 - DATA - LAN 1
WAN 2 - DATA - RJ45	RJ45 - DATA - LAN 2
LAN 1 - DATA - RJ45	RJ45 - DATA - LAN 3
LAN 2 - DATA - RJ45	RJ45 - DATA - LAN 4
LAN 3 - DATA - RJ45	RJ45 - DATA - LAN 5
LAN 4 - DATA - RJ45	
LAN 5 - DATA - RJ45	
IN	ROU-001 OUT

Luxul	AMS-2624P
POWER - 240VAC - ACPLUG	RJ45 - DATA - ETHERNET 1
ETHERNET 1 - DATA - RJ45	RJ45 - DATA - ETHERNET 2
ETHERNET 2 - DATA - RJ45	RJ45 - DATA - ETHERNET 3
ETHERNET 3 - DATA - RJ45	RJ45 - DATA - ETHERNET 4
ETHERNET 4 - DATA - RJ45	RJ45 - DATA - ETHERNET 5
ETHERNET 5 - DATA - RJ45	RJ45 - DATA - ETHERNET 6
ETHERNET 6 - DATA - RJ45	RJ45 - DATA - ETHERNET 7
ETHERNET 7 - DATA - RJ45	RJ45 - DATA - ETHERNET 8
ETHERNET 8 - DATA - RJ45	RJ45 - DATA - ETHERNET 9
ETHERNET 9 - DATA - RJ45	RJ45 - DATA - ETHERNET 10
ETHERNET 10 - DATA - RJ45	RJ45 - DATA - ETHERNET 11
ETHERNET 11 - DATA - RJ45	RJ45 - DATA - ETHERNET 12
ETHERNET 12 - DATA - RJ45	RJ45 - DATA - ETHERNET 13
ETHERNET 13 - DATA - RJ45	RJ45 - DATA - ETHERNET 14
ETHERNET 14 - DATA - RJ45	RJ45 - DATA - ETHERNET 15
ETHERNET 15 - DATA - RJ45	RJ45 - DATA - ETHERNET 16
ETHERNET 16 - DATA - RJ45	RJ45 - DATA - ETHERNET 17
ETHERNET 17 - DATA - RJ45	RJ45 - DATA - ETHERNET 18
ETHERNET 18 - DATA - RJ45	RJ45 - DATA - ETHERNET 19
ETHERNET 19 - DATA - RJ45	RJ45 - DATA - ETHERNET 20
ETHERNET 20 - DATA - RJ45	RJ45 - DATA - ETHERNET 21
ETHERNET 21 - DATA - RJ45	RJ45 - DATA - ETHERNET 22
ETHERNET 22 - DATA - RJ45	RJ45 - DATA - ETHERNET 23
ETHERNET 23 - DATA - RJ45	RJ45 - DATA - ETHERNET 24
ETHERNET 24 - DATA - RJ45	RJ45 - DATA - ETHERNET 25
ETHERNET 25 - DATA - RJ45	RJ45 - DATA - ETHERNET 26
ETHERNET 26 - DATA - RJ45	SFP - DATA - GIGABIT 1
GIGABIT 1 - DATA - SFP	SFP - DATA - GIGABIT 2
GIGABIT 2 - DATA - SFP	
IN	SWI-001 OUT

Elan	SC1
RS232 - RS232 - RJ45	RJ45 - VIANET - VIANET OUT
VIANET IN - VIANET - RJ45	
IN	CON-012 OUT

Gefen	GTV-DD-2-AA
POWER - 5VDC - DCPLUG	RCA - AUD-RL - AUDIO L
COAXIAL - S/PDIF - RCA	RCA - AUD-RL - AUDIO R
OPTICAL - S/PDIF - TOSLINK	
IN	CON-011 OUT

Samsung	QN65LS03RAFXZA
POWER - 240VAC - AC PLUG	TOSLINK - S/PDIF - OPTICAL
HDMI 1 - DVID - HDMI	
HDMI 2 - DVID - HDMI	
HDMI 3 - DVID - HDMI	
HDMI 4 - DVID - HDMI	
USB 1 - DATA - USB	
USB 2 - DATA - USB	
USB 3 - DATA - USB	
ETHERNET - DATA - RJ45	
TERRESTRIAL - RF - F	
SATELLITE - RF - F	
IN	TVS-002 OUT

Motorola	Cable Box
Hidden IR - IR - WINDOW	HDMI - DVID - HDMI
	RCA - AUD-RL - AUDIO L
	RCA - AUD-RL - AUDIO R
	IR - IR - IR IN
IN	SET-003 OUT

Apple	Apple TV 4K
POWER - POWER - 120VAC	HDMI - DVID - HDMI
ETHERNET - DATA - RJ45	
IR Window - IR - HIDDEN	
IN	MED-002 OUT

Elan	gSC2
POWER - 12VDC - DC	RJ45 - CTRL - RS232 1
RS232 1 - CTRL - RJ45	RJ45 - CTRL - RS232 2
RS232 2 - CTRL - RJ45	3.5MM - CTRL - IR 1
SENSE 1 - CTRL - 3.5MM	3.5MM - CTRL - IR 2
SENSE 2 - CTRL - 3.5MM	3.5MM - CTRL - IR 3
USB - DATA - USB	3.5MM - CTRL - IR 4
POE - POWER/DATA - RJ45	PHOENIX - CTRL - RELAY 1 +
WIFI - RF - F	PHOENIX - CTRL - RELAY 1 -
	PHOENIX - CTRL - RELAY 2 +
	PHOENIX - CTRL - RELAY 2 -
IN	CON-008 OUT

Elan	VTSENSOR
VOLTAGE INPUT - CTRL - TERM-BLK	3.5 - DATA - SENSOR OUTPUT
IN	SEN-001 OUT

Niles	DBI-2
CONTACT CLOSURE 1+ - CTRL - TERM-BLK	3.5MM - CTRL - 12VDC/150MA
CONTACT CLOSURE 2+ - CTRL - TERM-BLK	RCA - AUD - AUDIO OUTPUT
3-30V TRIGGER 1+ - CTRL - TERM-BLK	
3-30V TRIGGER 2+ - CTRL - TERM-BLK	
AUDIO INPUT - AUD - RCA	
+12V DC - POWER - POWER	
IN	ACC-006 OUT

Viking	DOORBELL
	SCREW - CTRL - DB OUT
IN	ENT-002 OUT

Elan	EL-NVR-1TB
LAN 1 - DATA - RJ45	HDMI - VIDEO - HDMI
IN	NET-002 OUT

Vera	VERAEDGE
DCPLUG - POWER - DCPLUG	
ETHERNET - DATA - RJ45	
IN	CON-001 OUT

BlueBOLT	M4000-PRO
POWER - 120VAC - ACPLUG	NEMA - 120VAC - OUTLET 1
GND - GND - SCREW	NEMA - 120VAC - OUTLET 2
CATV/SAT - RF - F	NEMA - 120VAC - OUTLET 3
PHONE - DATA - RJ11	NEMA - 120VAC - OUTLET 4
LAN - DATA - RJ45	NEMA - 120VAC - OUTLET 5
BLUEBOLT - DATA - RJ45	NEMA - 120VAC - OUTLET 6
	NEMA - 120VAC - OUTLET 7
	NEMA - 120VAC - OUTLET 8
	F - RF - CATV/SAT
	3.5MM - 12VDC - TRIGGER
	RJ11 - DATA - PHONE
	RJ45 - DATA - LAN
IN	CON-009 OUT

Elan	S1616A
POWER - 120VAC - ACPLUG	RJ45 - DATA - VIANET OUT
USB - DATA - USB	3.5MM - CTRL - IR
VIANET IN - DATA - RJ45	3.5MM - 12VDC - TRIGGER
BUS A 1/2 - S/PDIF - TOSLINK	RCA - AUD-RL - BUS A AUDIO 1
BUS B 9/10 - S/PDIF - TOSLINK	RCA - AUD-RL - BUS A AUDIO 2
IR INPUT - CTRL - 3.5MM	RCA - AUD-RL - BUS C AUDIO 3
TRIGGER ALL ON - CTRL - 3.5M	RCA - AUD-RL - BUS C AUDIO 4
+12V TRIGGER IN 1 - CTRL - 3.5MM	RCA - AUD-RL - BUS E AUDIO 5
+12V TRIGGER IN 2 - CTRL - 3.5MM	RCA - AUD-RL - BUS E AUDIO 6
+12V TRIGGER IN 3 - CTRL - 3.5MM	RCA - AUD-RL - BUS G AUDIO 7
+12V TRIGGER IN 4 - CTRL - 3.5MM	RCA - AUD-RL - BUS G AUDIO 8
+12V TRIGGER IN 5 - CTRL - 3.5MM	RCA - AUD-RL - BUS B AUDIO 9
+12V TRIGGER IN 6 - CTRL - 3.5MM	RCA - AUD-RL - BUS B AUDIO 10
+12V TRIGGER IN 7 - CTRL - 3.5MM	RCA - AUD-RL - BUS D AUDIO 11
+12V TRIGGER IN 8 - CTRL - 3.5MM	RCA - AUD-RL - BUS D AUDIO 12
BUS A AUDIO 1 - AUD-RL - RCA	RCA - AUD-RL - BUS F AUDIO 13
BUS A AUDIO 2 - AUD-RL - RCA	RCA - AUD-RL - BUS F AUDIO 14
BUS C AUDIO 3 - AUD-RL - RCA	RCA - AUD-RL - BUS H AUDIO 15
BUS C AUDIO 4 - AUD-RL - RCA	RCA - AUD-RL - BUS H AUDIO 16
BUS E AUDIO 5 - AUD-RL - RCA	SPKR +/- - SPK - 1
BUS E AUDIO 6 - AUD-RL - RCA	SPKR +/- - SPK - 2
BUS G AUDIO 7 - AUD-RL - RCA	SPKR +/- - SPK - 3
BUS G AUDIO 8 - AUD-RL - RCA	SPKR +/- - SPK - 4
BUS B AUDIO 9 - AUD-RL - RCA	SPKR +/- - SPK - 5
BUS B AUDIO 10 - AUD-RL - RCA	SPKR +/- - SPK - 6
BUS D AUDIO 11 - AUD-RL - RCA	SPKR +/- - SPK - 7
BUS D AUDIO 12 - AUD-RL - RCA	SPKR +/- - SPK - 8
BUS F AUDIO 13 - AUD-RL - RCA	SPKR +/- - SPK - 9
BUS F AUDIO 14 - AUD-RL - RCA	SPKR +/- - SPK - 10
BUS H AUDIO 15 - AUD-RL - RCA	SPKR +/- - SPK - 11
BUS H AUDIO 16 - AUD-RL - RCA	SPKR +/- - SPK - 12
	SPKR +/- - SPK - 13
	SPKR +/- - SPK - 14
	SPKR +/- - SPK - 15
	SPKR +/- - SPK - 16
IN	ACC-005 OUT

Autonomic Controls	MMS-1e
POWER - 5VDC - DC	RCA - AUD-R - AUDIO
USB 1 - DATA - USB	RCA - AUD-L - AUDIO
USB 2 - DATA - USB	RCA - S/PDIF - COAX/AL
ETHERNET - DATA - RJ45	HDMI - DVID - HDMI
IN	DIG-001 OUT

Autonomic Controls	MMS-1e
POWER - 5VDC - DC	RCA - AUD-R - AUDIO
USB 1 - DATA - USB	RCA - AUD-L - AUDIO
USB 2 - DATA - USB	RCA - S/PDIF - COAX/AL
ETHERNET - DATA - RJ45	HDMI - DVID - HDMI
IN	DIG-002 OUT

Samsung	QN65LS03RAFXZA
POWER - 240VAC - AC PLUG	TOSLINK - S/PDIF - OPTICAL
HDMI 1 - DVID - HDMI	
HDMI 2 - DVID - HDMI	
HDMI 3 - DVID - HDMI	
HDMI 4 - DVID - HDMI	
USB 1 - DATA - USB	
USB 2 - DATA - USB	
USB 3 - DATA - USB	
ETHERNET - DATA - RJ45	
TERRESTRIAL - RF - F	
SATELLITE - RF - F	
IN	TVS-001 OUT

Apple	Apple TV 4K
POWER - POWER - 120VAC	HDMI - DVID - HDMI
ETHERNET - DATA - RJ45	
IR Window - IR - HIDDEN	
IN	MED-001 OUT

Motorola	Cable Box
Hidden IR - IR - WINDOW	HDMI - DVID - HDMI
	RCA - AUD-RL - AUDIO L
	RCA - AUD-RL - AUDIO R
	IR - IR - IR IN
IN	SET-001 OUT

Integra Home Theater	DRX-4.3
POWER - 120VAC - ACPLUG	1/4"TRS - AUD-RL - HEADPHONE
MIC - AUDIO - 3.5MM	HDMI - DVID - HDMI 1
HDMI 1 - DVID - HDMI	HDMI - DVID - HDMI 2
HDMI 2 - DVID - HDMI	3.5MM - CTRL - IR
HDMI 3 - DVID - HDMI	3.5MM - 12V - TRIGGER A
HDMI 4 - DVID - HDMI	3.5MM - 12V - TRIGGER B
HDMI 5 - DVID - HDMI	3.5MM - 12V - TRIGGER C
HDMI 6 - DVID - HDMI	RCA - AUD-RL - FRONT L
HDMI 7 - DVID - HDMI	RCA - AUD-RL - CENTER
ANTENNA 1 - RF - F	RCA - AUD-RL - SURROUND
ANTENNA 2 - RF - F	RCA - AUD-RL - HEIGHT 1
RS232 - CTRL - DB9	RCA - AUD-RL - SURROUND BACK
ETHERNET - DATA - RJ45	RCA - AUD-RL - ZONE 3
USB - 5V DATA - USB	RCA - AUD-RL - ZONE 2
COAX/AL - S/PDIF - RCA	5-WAY - SPK-RL - FRONT L +/-
OPTICAL - S/PDIF - TOSLINK	5-WAY - SPK-RL - HEIGHT 1 L +/-
FM 75 OHM - RF - F	5-WAY - SPK-RL - FRONT R +/-
AM - RF - PUSHBUTTON	5-WAY - SPK-RL - HEIGHT 1 R +/-
COMPOSITE 1 - CVID - RCA	5-WAY - SPK-C - CENTER
COMPOSITE 2 - CVID - RCA	5-WAY - SPK-RL - SURROUND L +/-
COMPOSITE 3 - CVID - RCA	5-WAY - SPK-RL - SURROUND R +/-
COMPONENT - YPRPB - RCA	5-WAY - SPK-RL - SURROUND BACK L +/-
GND - GND - SCREW	5-WAY - SPK-RL - SURROUND BACK R +/-
IR A - CTRL - 3.5MM	RCA - AUD-SUB - PRE OUT SUBWOOFER 1
IR B - CTRL - 3.5MM	RCA - AUD-SUB - PRE OUT SUBWOOFER 2
AUDIO 1 L - AUD-RL - RCA	5-WAY - SPK-RL - ZONE 2 L +/-
AUDIO 1 R - AUD-RL - RCA	5-WAY - SPK-RL - ZONE 2 R +/-
AUDIO 2 L - AUD-RL - RCA	
AUDIO 2 R - AUD-RL - RCA	
AUDIO 3 - AUD-RL - RCA	
AUDIO 4 - AUD-RL - RCA	
AUDIO 5 - AUD-RL - RCA	
AUDIO 6 - AUD-RL - RCA	
AUDIO 7 - AUD-RL - RCA	
AUDIO 8 - AUD-RL - RCA	
IN	SUR-001 OUT

Niles CM7PR CEI-005 — Kitchen
Niles CM7PR CEI-006 — Kitchen
Niles CM7PR CEI-019 — Garage
Niles CM7PR CEI-004 — Kitchen
Niles CM7PR CEI-003 — Kitchen
Niles CM7PR CEI-013 — Garage
Niles CM7PR CEI-014 — Garage
Niles CM7PR CEI-020 — Garage
Niles CM7PR CEI-007 — Dining Room
Niles CM7PR CEI-008 — Dining Room
Niles CM7PR CEI-009 — Library
Niles CM7PR CEI-010 — Library
Niles CM7PR CEI-011 — Living Room
Niles CM7PR CEI-012 — Living Room
Niles CM7PR CEI-001 — Covered Porch
Niles CM7PR CES-002 — Covered Porch
Niles CM7PR CEI-015 — Master Bed
Niles CM7PR CEI-016 — Master Bed
Niles CM7PR CEI-018 — Master Bath
Niles CM7PR CEI-017 — Master Bath

SpeakerCraft PROFILE AIM CINEMA THREE WAL-005 — Great Room
SpeakerCraft PROFILE AIM CINEMA THREE WAL-006 — Great Room
SpeakerCraft PROFILE AIM LCR5 THREE IN-003 — Great Room
SpeakerCraft PROFILE AIM LCR5 THREE IN-001 — Great Room
SpeakerCraft PROFILE AIM LCR5 THREE IN-002 — Great Room

Sunfire HRS-12 SUB-001
AC - ACPLUG - AC
LINE LEVEL IN L - RCA - AUDIO
LINE LEVEL IN R - RCA - AUDIO
SPEAKER LEVEL IN L PLUS - RCA - AUDIO
SPEAKER LEVEL IN L MINUS - RCA - AUDIO
SPEAKER LEVEL IN R PLUS - RCA - AUDIO
SPEAKER LEVEL IN R MINUS - RCA - AUDIO
LINE LEVEL OUT L - RCA - AUDIO
LINE LEVEL OUT R - RCA - AUDIO

myEasytek

myEasytek

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(847)387-8107

Scale: 1/2" = 1'-0"

Created	8/20/2018
Modified	9/27/2019
Printed	9/27/2019

New Build

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Schematic View