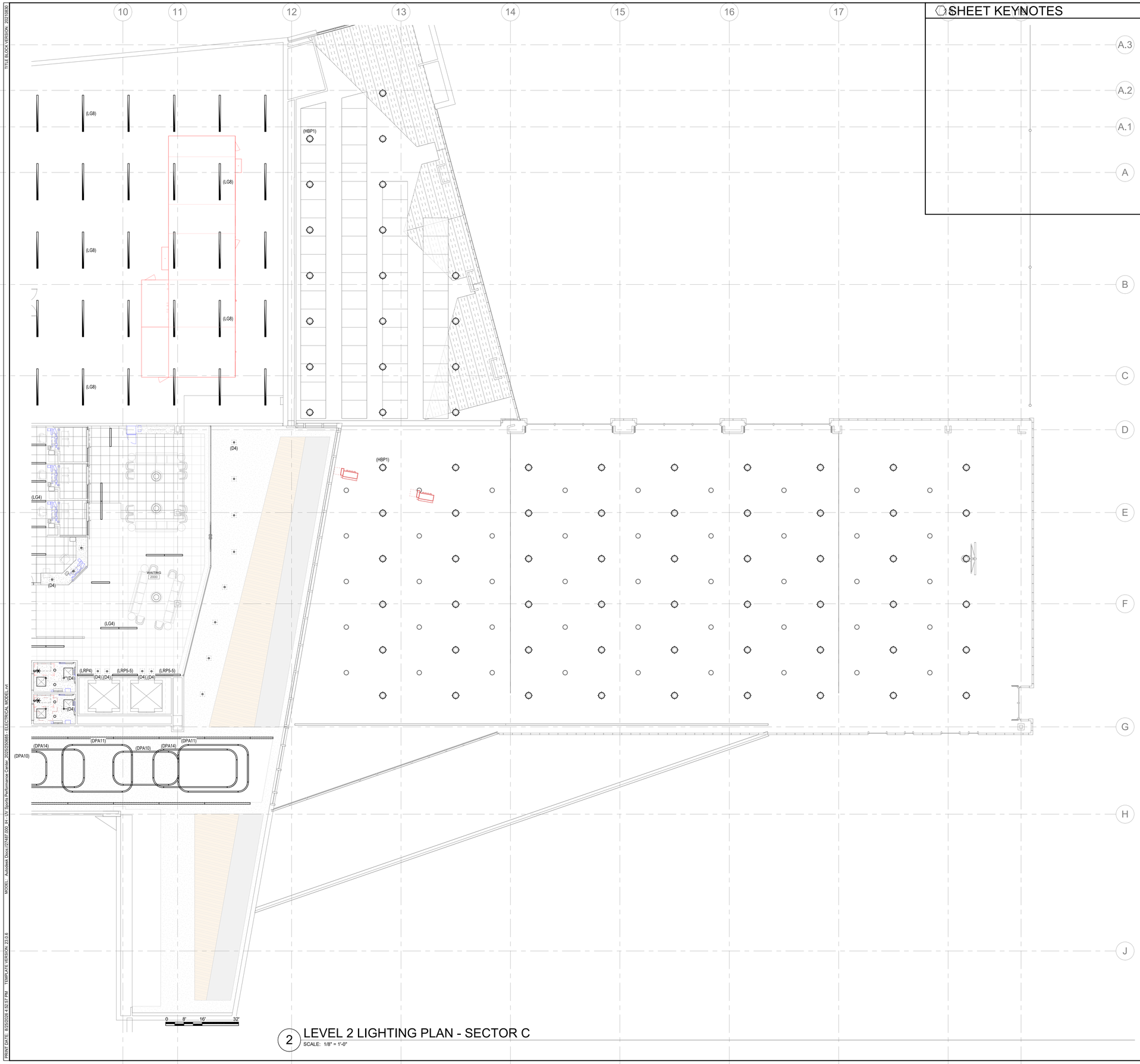

2 LEVEL 2 LIGHTING PLAN - SECTOR C

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

SHEET KEYNOTES	GENERAL SHEET NOTES

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERSEERS, INC
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

Intermountain Health

UTAH VALLEY SPORTS PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
LEVEL 2 LIGHTING PLAN - SECTOR C

SHEET NO.
EL102C

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TITLE BLOCK VERSION: 20210930
MODEL: Autodesk Docs://27487.000_IH - UV Sports Performance Center_2025/25085 - ELECTRICAL MODEL.rvt
PRINT DATE: 8/25/2026 4:52:57 PM TEMPLATE VERSION: 23.0.6

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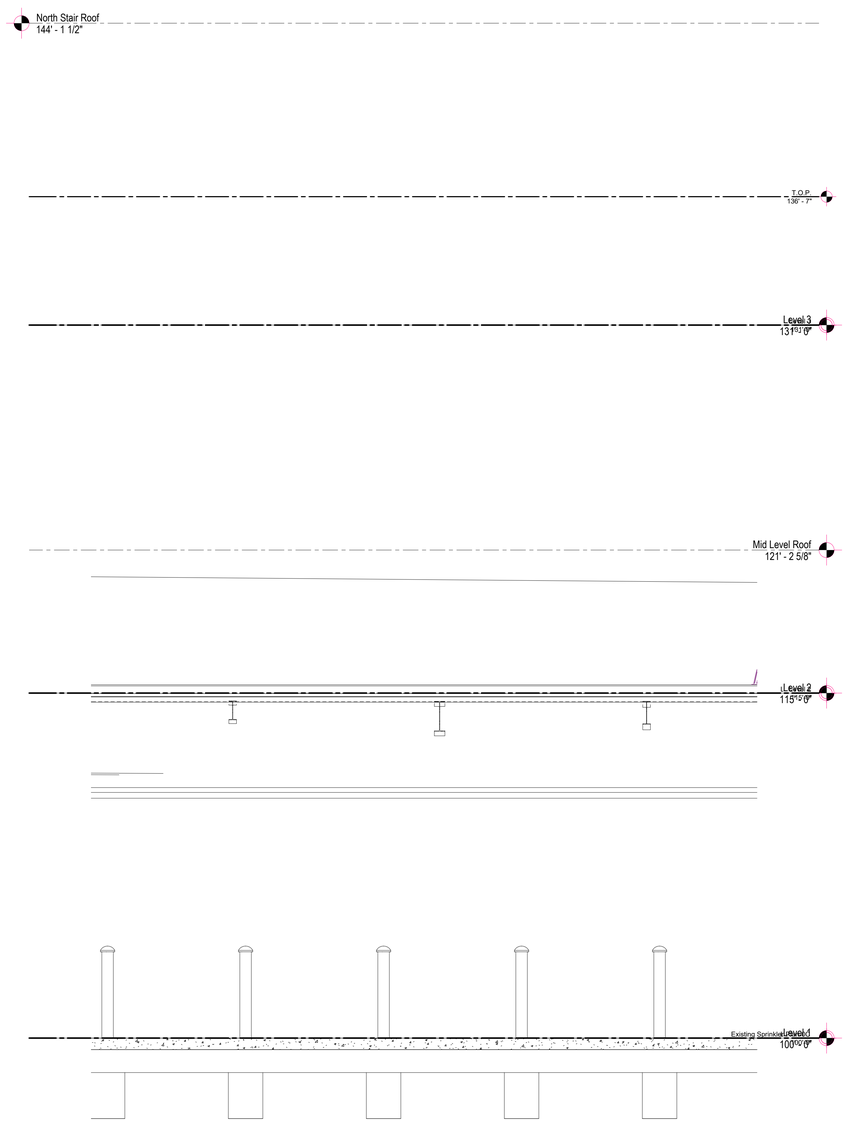
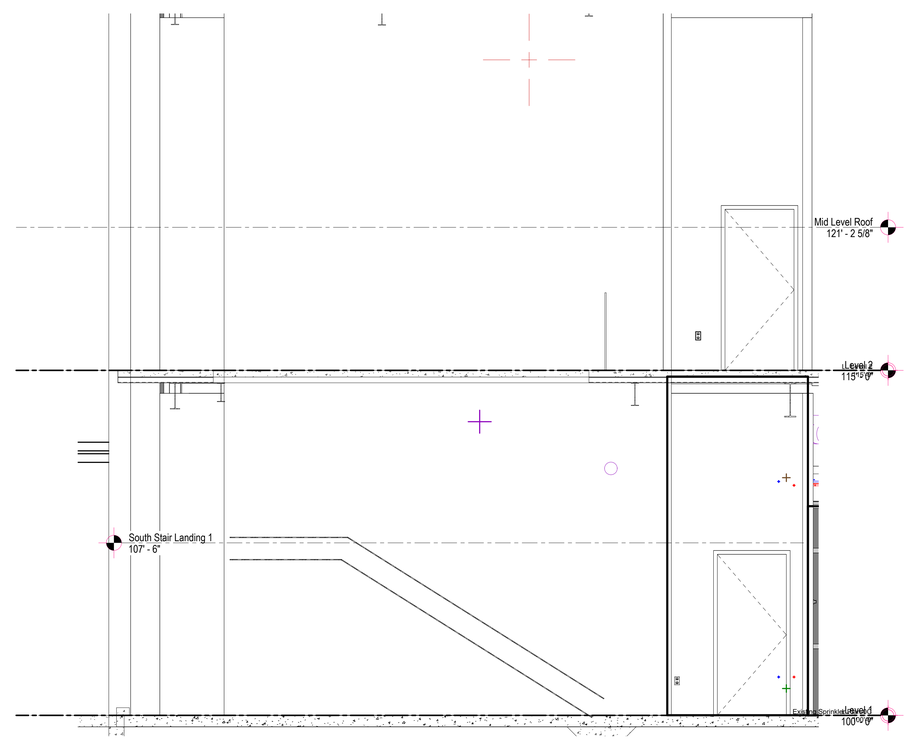
SHEET KEYNOTES	GENERAL SHEET NOTES



1 Section 2
SCALE: 3/8" = 1'-0"



2 Section 3
SCALE: 3/8" = 1'-0"

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
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145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

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800-678-7077
801-328-5151
www.lynkengineers.com

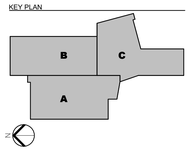
Intermountain Health

UTAH VALLEY SPORTS PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN



REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
STAIRWELL LIGHTING ELEVATION PLAN

SHEET NO.
EL 300

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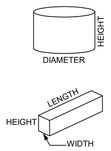
INTERIOR LIGHTING FIXTURE SCHEDULE

GENERAL NOTES

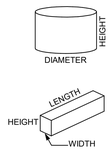


1. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
2. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
3. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
4. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
5. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
6. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
7. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

ID	DESCRIPTION	SIZE (NOMINAL)	LUMINAIRE DELIVERED DIRECT LUMENS	LUMINAIRE DELIVERED INDIRECT LUMENS	LUMINAIRE COLOR TEMP	LUMINAIRE CRI	DRIVER TYPE	DRIVER VOLTAGE	DRIVER WATTS	MANUFACTURER (CATALOG SERIES)
(D4)	DESCRIPTION: 4" ROUND, RECESSED LED DOWNLIGHT MOUNTING: CEILING, RECESSED FINISH: SEMI-SPECULAR REFLECTOR, WHITE TRIM OPTICS: 40° - 50° BEAM OPTIONS: - EM: -	LENGTH: - WIDTH: - HEIGHT: - DIAMETER: 4"	1,500		3500K	90	LED (0-10V DIMMING) 1%	120/277V	15	HALO (HC4) LIGHTOLIER (M4RD) LITHONIA (LDN4) PRESCOLITE (LFR-4RD)
(D4-M)	DESCRIPTION: 4" ROUND, RECESSED LED DOWNLIGHT, MRI SAFE MOUNTING: CEILING, RECESSED FINISH: SEMI-SPECULAR REFLECTOR, WHITE TRIM OPTICS: 40° - 50° BEAM OPTIONS: NON-FERROUS, PROVIDE RFI FILTERS AND CABINET EM: -	LENGTH: - WIDTH: - HEIGHT: - DIAMETER: 4"	2,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	24	GOTHAM (EVO4M) KENALL (MRIDL4-R) KIRLIN (MRR-04200) VANTAGE (V4OVHMRI)
(D6)	DESCRIPTION: 6" ROUND, RECESSED LED DOWNLIGHT MOUNTING: CEILING, RECESSED FINISH: SEMI-SPECULAR REFLECTOR, WHITE TRIM OPTICS: 40° - 50° BEAM OPTIONS: - EM: -	LENGTH: - WIDTH: - HEIGHT: - DIAMETER: 6"	1,500		3500K	90	LED (0-10V DIMMING) 1%	120/277V	19	HALO (HC615D010/HM60525935/61MDHWF) LIGHTOLIER (M6RDL15F935WCLZ10UI)6RNSR) LITHONIA (LDN6-35/15-LO6-AR-TRW-LSS-MVOLT-GZ1) PRESCOLITE (LFR-6RD-M-15L35K9-WD-DM1 LFR-6RD-T-SSWT LFR-6RD-H)
(D6-S)	DESCRIPTION: 6" ROUND, RECESSED LED SHOWER DOWNLIGHT, LENSED MOUNTING: CEILING, RECESSED FINISH: WHITE TRIM OPTICS: 40° - 50° BEAM OPTIONS: WET LOCATION RATED, NON-CONDUCTIVE DEAD-FRONT TRIM EM: -	LENGTH: - WIDTH: - HEIGHT: - DIAMETER: 6"	2,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	24	GOTHAM (EVO6SH-35/20-DFR-SOL-MVOLT-EZ1-90CRI) HALO (HC6D010/HM60525935/61PSMDW) H.E. WILLIAMS (6DR-TL-L20/935-DIM1-UNV-S-W-OF-WH-N-F1) PRESCOLITE (LFR-6RD-M-20L35K9-WD-DM1 LFR-6RD-T-SH-WTACL LFR-6RD-H)
(DPA9)	DESCRIPTION: LINEAR PENDANT, INDIRECT / DIRECT MOUNTING: PENDANT FINISH: SCBA OPTICS: INDIRECT / DIRECT, FLUSH LENS, LOW GLOSS WHITE REFLECTOR OPTIONS: - EM: -	LENGTH: 96" WIDTH: 4" HEIGHT: 4"	8,000	4,000	3500K	90	LED (0-10V DIMMING)	120/277V	96	LUMENWERX (CURVIA) AXIS (SKETCH)
(DPA10)	DESCRIPTION: LINEAR PENDANT, INDIRECT / DIRECT MOUNTING: PENDANT FINISH: SCBA OPTICS: INDIRECT / DIRECT, FLUSH LENS, LOW GLOSS WHITE REFLECTOR OPTIONS: - EM: -	LENGTH: 96" WIDTH: 4" HEIGHT: 4"	8,000	4,000	3500K	90	LED (0-10V DIMMING)	120/277V	96	LUMENWERX (CURVIA) AXIS (SKETCH)
(DPA11)	DESCRIPTION: LINEAR PENDANT, INDIRECT / DIRECT MOUNTING: PENDANT FINISH: SCBA OPTICS: INDIRECT / DIRECT, FLUSH LENS, LOW GLOSS WHITE REFLECTOR OPTIONS: - EM: -	LENGTH: 96" WIDTH: 4" HEIGHT: 4"	8,000	4,000	3500K	90	LED (0-10V DIMMING)	120/277V	96	LUMENWERX (CURVIA) AXIS (SKETCH)
(DPA13)	DESCRIPTION: LINEAR PENDANT, INDIRECT / DIRECT MOUNTING: PENDANT FINISH: SCBA OPTICS: INDIRECT / DIRECT, FLUSH LENS, LOW GLOSS WHITE REFLECTOR OPTIONS: - EM: -	LENGTH: 96" WIDTH: 4" HEIGHT: 4"	8,000	4,000	3500K	90	LED (0-10V DIMMING)	120/277V	96	LUMENWERX (CURVIA) AXIS (SKETCH)
(DPA14)	DESCRIPTION: LINEAR PENDANT, INDIRECT / DIRECT MOUNTING: PENDANT FINISH: SCBA OPTICS: INDIRECT / DIRECT, FLUSH LENS, LOW GLOSS WHITE REFLECTOR OPTIONS: - EM: -	LENGTH: 96" WIDTH: 4" HEIGHT: 4"	8,000	4,000	3500K	90	LED (0-10V DIMMING)	120/277V	96	LUMENWERX (CURVIA) AXIS (SKETCH)
(FF24)	DESCRIPTION: 2' X 4' LED FLAT PANEL, PROVIDE FLANGE KIT MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: OPTIONS: FLANGE KIT EM:	LENGTH: 48" WIDTH: 24" DEPTH:	3,500		3500K	80	LED (0-10V DIMMING)	120/277V	28	COLUMBIA (NBT24) DAY-BRITE (2FPZ) LITHONIA (CPX-2X4) METALUX (24CGTX)
(FG22)	DESCRIPTION: 2' X 2' LED FLAT PANEL, GRID LAY-IN MOUNTING: CEILING, RECESSED FINISH: SCBA OPTIONS: - EM: -	LENGTH: 24" WIDTH: 24" HEIGHT: -	3,500		3500K	80	LED (0-10V DIMMING)	120/277V	28	COLUMBIA (NBT22) DAY-BRITE (2FPZ) LITHONIA (CPX-2X2) METALUX (22CGTX)
(FG24)	DESCRIPTION: 2' X 4' LED FLAT PANEL, GRID LAY-IN MOUNTING: CEILING, RECESSED FINISH: SCBA OPTIONS: - EM: -	LENGTH: 48" WIDTH: 24" HEIGHT: -	3,500		3500K	80	LED (0-10V DIMMING)	120/277V	28	COLUMBIA (NBT22) DAY-BRITE (2FPZ) LITHONIA (CPX-2X2) METALUX (22CGTX)
(HBP1)	DESCRIPTION: ROUND HIGHBAY, DIE CAST ALUMINUM HOUSING, IP65 MOUNTING: CEILING PENDANT FINISH: WHITE OPTICS: MEDIUM WIDE DISTRIBUTION OPTIONS: EM: NONE	HEIGHT: 16" DIAMETER: 17"	24,000		4000K	80	LED (0-10V DIMMING)	120/277V	190	METALUX (UHB) LITHONIA (JHBL) CURRENT BY GE (ARC)
(LG2)	DESCRIPTION: 4" X 2' LINEAR RECESSED SLOT, GRID MOUNT, CONTINUOUS LENS, TO BE INSTALLED AS CONTINUOUS ROW WHERE SHOWN END TO END MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: FLUSH LENS OPTIONS: - EM: -	LENGTH: 24" WIDTH: 4" HEIGHT: 6"	1,500		3500K	90	LED (0-10V DIMMING) 1%	120/277V	18	H.E. WILLIAMS (LRX4G-2-L8/935-S-DMA-DIM1-UNV) NEORAY (S124DR-S795D935-ETG2F0-1-UDD-F) MARK (SL4L-LOP-2FT-FLP-TG-90CRI-35K-750LMF-MIN1-277-ZT) STARTEK (RBEAM-2FT-750-SD-35K-90-SCBA-TBX-U-1C)
(LG4)	DESCRIPTION: 4" X 4' LINEAR RECESSED SLOT, GRID MOUNT, CONTINUOUS LENS, TO BE INSTALLED AS CONTINUOUS ROW WHERE SHOWN END TO END MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: FLUSH LENS OPTIONS: - EM: -	LENGTH: 48" WIDTH: 4" HEIGHT: 6"	2,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	24	H.E. WILLIAMS (LRX4G-4-L5/935-S-DMA-DIM1-UNV) NEORAY (S124DR-S795D935-ETG4F0-1-UDD-F) MARK (SL4L-LOP-4FT-FLP-TG-90CRI-35K-500LMF-MIN1-277-ZT) STARTEK (RBEAM-4FT-500-SD-35K-90-SCBA-TBX-U-1C)
(LG8)	DESCRIPTION: 4" X 8' LINEAR RECESSED SLOT, GRID MOUNT, CONTINUOUS LENS, TO BE INSTALLED AS CONTINUOUS ROW WHERE SHOWN END TO END MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: FLUSH LENS OPTIONS: - EM: -	LENGTH: 8' WIDTH: 4" HEIGHT: 6"	4,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	48	H.E. WILLIAMS (LRX4G-8-L5/935-S-DMA-DIM1-UNV) NEORAY (S124DR-S795D935-ETG8F0-1-UDD-F) MARK (SL4L-LOP-8FT-FLP-TG-90CRI-35K-500LMF-MIN1-277-ZT) STARTEK (RBEAM-8FT-500-SD-35K-90-SCBA-TBX-U-1C)
(LP4)	DESCRIPTION: LINEAR PENDANT, INDIRECT / DIRECT MOUNTING: PENDANT FINISH: SCBA OPTICS: INDIRECT / DIRECT, FLUSH LENS, LOW GLOSS WHITE REFLECTOR OPTIONS: - EM: -	LENGTH: 48" WIDTH: 4" HEIGHT: 4"	4,000	2,000	3500K	90	LED (0-10V DIMMING)	120/277V	48	H.E. WILLIAMS (MX4UD-08'00-L3/935D-L7/935U-A-F-AC/D96-DIM-UNV) MARK (S4PID-LCB-4FT-MSL4-90CRI-35K-300LMF-I90CRI-I35K-I700LMF-SCT-MIN1-FLL-DC-MVOLT-WHTT-ZT-F2/72A-RDCY-WHTCY-WCRD) NEORAY (S124DIP-C300D700U935-C10JB4F0-1-UDD-F1-W) STARTEK (BEAMDI-4FT-300-700-SD-CL-35K-90-PW-ACW10-U-1C)
(LP8)	DESCRIPTION: LINEAR PENDANT, INDIRECT / DIRECT MOUNTING: PENDANT FINISH: SCBA OPTICS: INDIRECT / DIRECT, FLUSH LENS, LOW GLOSS WHITE REFLECTOR OPTIONS: - EM: -	LENGTH: 96" WIDTH: 4" HEIGHT: 4"	8,000	4,000	3500K	90	LED (0-10V DIMMING)	120/277V	96	H.E. WILLIAMS (MX4UD-08'00-L3/935D-L7/935U-A-F-AC/D96-DIM-UNV) MARK (S4PID-LCB-8FT-MSL8-90CRI-35K-300LMF-I90CRI-I35K-I700LMF-SCT-MIN1-FLL-DC-MVOLT-WHTT-ZT-F2/72A-RDCY-WHTCY-WCRD) NEORAY (S124DIP-C300D700U935-C10JB8F0-1-UDD-F1-W) STARTEK (BEAMDI-8FT-300-700-SD-CL-35K-90-PW-ACW10-U-1C)

INTERIOR LIGHTING FIXTURE SCHEDULE

GENERAL NOTES



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ID	DESCRIPTION	SIZE (NOMINAL)	LUMINAIRE DELIVERED DIRECT LUMENS	LUMINAIRE DELIVERED INDIRECT LUMENS	LUMINAIRE COLOR TEMP	LUMINAIRE CRI	DRIVER TYPE	DRIVER VOLTAGE	DRIVER WATTS	MANUFACTURER (CATALOG SERIES)
(LR4)	DESCRIPTION: 4" X 4' LINEAR RECESSED SLOT, FLANGE MOUNT, CONTINUOUS LENS, TO BE INSTALLED AS CONTINUOUS ROW WHERE SHOWN END TO END MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: FLUSH LENS OPTIONS: - EM: -	LENGTH: 48" WIDTH: 4" HEIGHT: 6"	2,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	24	H.E. WILLIAMS (LRX4F-4-L5/935-S-DMA-DIM1-UNV) LUMENWERX (VIA4R-D-HLO-FH-SW-80CRI-500LMF-35K-4FT-UNV-D1-1C-DTR-SCBA) MARK (SL4L-LOP-4FT-FLP-FL/INB-90CRI-35K-500LMF-MIN1-277-ZT) NEORAY (S124DR-S575D935-GYP4F0-1-UDD-F)
(LRC2)	DESCRIPTION: 4" X 2.5' LINEAR COVE LIGHT, CONTINUOUS LENS, TO BE INSTALLED AS CONTINUOUS ROW WHERE SHOWN END TO END MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: FLUSH LENS OPTIONS: - EM: -	LENGTH: 2.5' WIDTH: 4" HEIGHT: 6"	5,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	60	H.E. WILLIAMS (LRX4F-10-L5/935-S-DMA-DIM1-UNV) LUMENWERX (VIA4R-D-HLO-FH-SW-80CRI-500LMF-35K-10FT-UNV-D1-1C-DTR-SCBA) MARK (SL4L-LOP-10FT-FLP-FL/INB-90CRI-35K-500LMF-MIN1-277-ZT) NEORAY (S124DR-S575D935-GYP10F0-1-UDD-F)
(LRC4)	DESCRIPTION: 4" X 4' LINEAR COVE LIGHT, CONTINUOUS LENS, TO BE INSTALLED AS CONTINUOUS ROW WHERE SHOWN END TO END MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: FLUSH LENS OPTIONS: - EM: -	LENGTH: 4' WIDTH: 4" HEIGHT: 6"	5,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	60	H.E. WILLIAMS (LRX4F-10-L5/935-S-DMA-DIM1-UNV) LUMENWERX (VIA4R-D-HLO-FH-SW-80CRI-500LMF-35K-10FT-UNV-D1-1C-DTR-SCBA) MARK (SL4L-LOP-10FT-FLP-FL/INB-90CRI-35K-500LMF-MIN1-277-ZT) NEORAY (S124DR-S575D935-GYP10F0-1-UDD-F)
(LRC5)	DESCRIPTION: 4" X 10' LINEAR COVE LIGHT, CONTINUOUS LENS, TO BE INSTALLED AS CONTINUOUS ROW WHERE SHOWN END TO END MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: FLUSH LENS OPTIONS: - EM: -	LENGTH: 5' WIDTH: 4" HEIGHT: 6"	5,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	60	H.E. WILLIAMS (LRX4F-10-L5/935-S-DMA-DIM1-UNV) LUMENWERX (VIA4R-D-HLO-FH-SW-80CRI-500LMF-35K-10FT-UNV-D1-1C-DTR-SCBA) MARK (SL4L-LOP-10FT-FLP-FL/INB-90CRI-35K-500LMF-MIN1-277-ZT) NEORAY (S124DR-S575D935-GYP10F0-1-UDD-F)
(LRC10)	DESCRIPTION: 4" X 10' LINEAR COVE LIGHT, CONTINUOUS LENS, TO BE INSTALLED AS CONTINUOUS ROW WHERE SHOWN END TO END MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: FLUSH LENS OPTIONS: - EM: -	LENGTH: 10' WIDTH: 4" HEIGHT: 6"	5,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	60	H.E. WILLIAMS (LRX4F-10-L5/935-S-DMA-DIM1-UNV) LUMENWERX (VIA4R-D-HLO-FH-SW-80CRI-500LMF-35K-10FT-UNV-D1-1C-DTR-SCBA) MARK (SL4L-LOP-10FT-FLP-FL/INB-90CRI-35K-500LMF-MIN1-277-ZT) NEORAY (S124DR-S575D935-GYP10F0-1-UDD-F)
(LRP4)	DESCRIPTION: 4' LINEAR RECESSED PERIMETER LIGHT, CONTINUOUS LENS MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: FLUSH LENS OPTIONS: - EM: -	LENGTH: 48" WIDTH: 4" HEIGHT: 6"	2,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	24	H.E. WILLIAMS (LRX4G-4-L5/935-S-DMA-DIM1-UNV) NEORAY (S124DR-S795D935-ETG4F0-1-UDD-F) MARK (SL4L-LOP-4FT-FLP-TG-90CRI-35K-500LMF-MIN1-277-ZT) STARTEK (RBEAM-4FT-500-SD-35K-90-SCBA-TBX-U-1C)
(LRP5-5)	DESCRIPTION: 5.5' LINEAR RECESSED PERIMETER LIGHT, CONTINUOUS LENS MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: FLUSH LENS OPTIONS: - EM: -	LENGTH: 48" WIDTH: 4" HEIGHT: 6"	2,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	24	H.E. WILLIAMS (LRX4G-4-L5/935-S-DMA-DIM1-UNV) NEORAY (S124DR-S795D935-ETG4F0-1-UDD-F) MARK (SL4L-LOP-4FT-FLP-TG-90CRI-35K-500LMF-MIN1-277-ZT) STARTEK (RBEAM-4FT-500-SD-35K-90-SCBA-TBX-U-1C)
(LS4E)	DESCRIPTION: LINEAR STRIP, DAMP LISTED MOUNTING: CEILING, PENDANT, WALL FINISH: SCBA OPTICS: DROP LENS OPTIONS: EM: EMERGENCY BATTERY	LENGTH: 48" WIDTH: 2.5" HEIGHT: 3"	3,000		3500K	80	LED (0-10V DIMMING)	120/277V	30	LITHONIA (ZL1D) METALUX (ASNLED) DAYBRITE (FSS4)
(OD6)	DESCRIPTION: 6" ROUND, RECESSED LED DOWNLIGHT MOUNTING: CEILING, RECESSED FINISH: SEMI-SPECULAR REFLECTOR, WHITE TRIM OPTICS: 40° - 50° BEAM OPTIONS: - EM: -	LENGTH: - WIDTH: - HEIGHT: - DIAMETER: 6"	1,500		3500K	90	LED (0-10V DIMMING) 1%	120/277V	19	GOTHAM (EVO6SH) HALO (HC620D010) H.E. WILLIAMS (6DR-TL) PRESCOLITE (LFR-6RD)
(RP2)	DESCRIPTION: 24" ROUND PENDANT MOUNTING: CEILING, SUSPENDED FINISH: OPTICS: OPTIONS: - EM: -	LENGTH: - WIDTH: - HEIGHT: - DIAMETER: 24"	1,500		3500K	80	LED (0-10V DIMMING) 1%	120/277V	24	PRUDENTIAL (O-20)
(SW2)	DESCRIPTION: 2' LED VANITY LIGHT MOUNTING: SURFACE, WALL FINISH: SATIN CHROME OPTICS: - OPTIONS: - EM: -	LENGTH: 2' - 0" WIDTH: 0' - 2.25" DEPTH: -	2,000		3500K	90	NO DIMMING	120/277	19	LIGHTWAY (VTEV) MARK (S2WD) TGS (VF1) WAC (WS-77624)
(TG24)	DESCRIPTION: 2' X 4' LED TROFFER, GRID LAY-IN MOUNTING: CEILING, RECESSED FINISH: SCBA OPTIONS: - EM: -	LENGTH: 48" WIDTH: 24" HEIGHT: 4"	3,500		3500K	90	LED (0-10V DIMMING) 1%	120/277V	30	GREEN IMAGE TECH (GD-TRI-24-35W-A-35K9-DM1%-NN) H.E. WILLIAMS (AP-24-L34/935-DIM1-UNV) LITHONIA (ENVX-2X4-HRG-4000LM-90CRI-35K-MIN1-ZT-MVOLT) METALUX (24EN-LD2-34-UNV-L935-CD1)
(TG24H)	DESCRIPTION: 2' X 4' LED TROFFER, GRID LAY-IN MOUNTING: CEILING, RECESSED FINISH: SCBA OPTIONS: - EM: -	LENGTH: 48" WIDTH: 24" HEIGHT: 4"	6,500		3500K	90	LED (0-10V DIMMING) 1%	120/277V	54	GREEN IMAGE TECH (GD-TRI-24-50W-A-35K9-DM1%-NN) H.E. WILLIAMS (AP-24-L67/935-DIM1-UNV) LITHONIA (ENVX-2X4-HRG-7200LM-90CRI-35K-MIN1-ZT-MVOLT) METALUX (24EN-LD2-67-UNV-L935-CD1)
(TX22)	DESCRIPTION: 2' X 2' LED TROFFER, SURGICAL SUITE LUMINAIRE MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: ACRYLIC DIFFUSER OPTIONS: FLANGE MOUNT KIT EM:	LENGTH: 24" WIDTH: 24" DEPTH: -	10,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	100	CERTOLUX (MSUI2X4)
(TX24)	DESCRIPTION: 2' X 4' LED TROFFER, SURGICAL SUITE LUMINAIRE MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: ACRYLIC DIFFUSER OPTIONS: FLANGE MOUNT KIT EM:	LENGTH: 48" WIDTH: 24" DEPTH: -	24,000		3500K	90	LED (0-10V DIMMING) 1%	120/277V	200	CERTOLUX (MSUI2X4)
(UC2)	DESCRIPTION: 2' LED UNDERCABINET LIGHT MOUNTING: SURFACE FINISH: WHITE OPTICS: - OPTIONS: - EM: -	LENGTH: 2' - 0" WIDTH: - DEPTH: -	2,000		3500K	90	ELV DIMMING	120/277	19	HE WILLIAMS (1SF) KENALL (AUCLED) AIREY-THOMPSON (13HC-N) KELVIX (UC2Z)

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SEAL & SIGNATURE

KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
05/08/2026

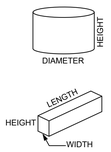
ISSUE
SCHEMATIC DESIGN

SHEET TITLE
INTERIOR LIGHTING FIXTURE SCHEDULE

SHEET NO.
EL601

TITLE BLOCK VERSION: 20210930
PRINT DATE: 8/28/2026 3:13:43 PM TEMPLATE VERSION: 23.0.6 MODEL: Autodesk Docs://27487.000_IH - UV Sports Performance Center 2025/25589D - ELECTRICAL MODEL.rvt

EXTERIOR LIGHTING FIXTURE SCHEDULE



GENERAL NOTES

1. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
2. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
3. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
4. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
5. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
6. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
7. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

ID	DESCRIPTION	SIZE (NOMINAL)	LUMINAIRE						DRIVER			MANUFACTURER
			BUG RATING			LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	
			BACK	UP	GLARE							
(OP3)						0					0	
(OP5)						0					0	
(OW4)	DESCRIPTION: WALLPACK MOUNTING: WALL FINISH: SCBA OPTICS: TYPE IV DISTRIBUTION OPTIONS: EM: 10W,BATTERY	LENGTH: 16" WIDTH: 16" DEPTH: 7"	B1	U0	G1	3,900	3000K	80	LED (0-10V DIMMING)	120/277V	34	COOPER (GWC)
POLE	DESCRIPTION: POLE FOR AREA LIGHT MOUNTING: FINISH: SCBA OPTICS: - OPTIONS: - WIND RATING: - EM: NONE	LENGTH: - WIDTH: - DEPTH: - POLE HEIGHT: 17' - 0"				0	0			0.00 V	0	

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PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

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KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
EXTERIOR LIGHTING FIXTURE SCHEDULE

SHEET NO.
EL602

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LIGHTING RELAY CONTROL CHANNELS

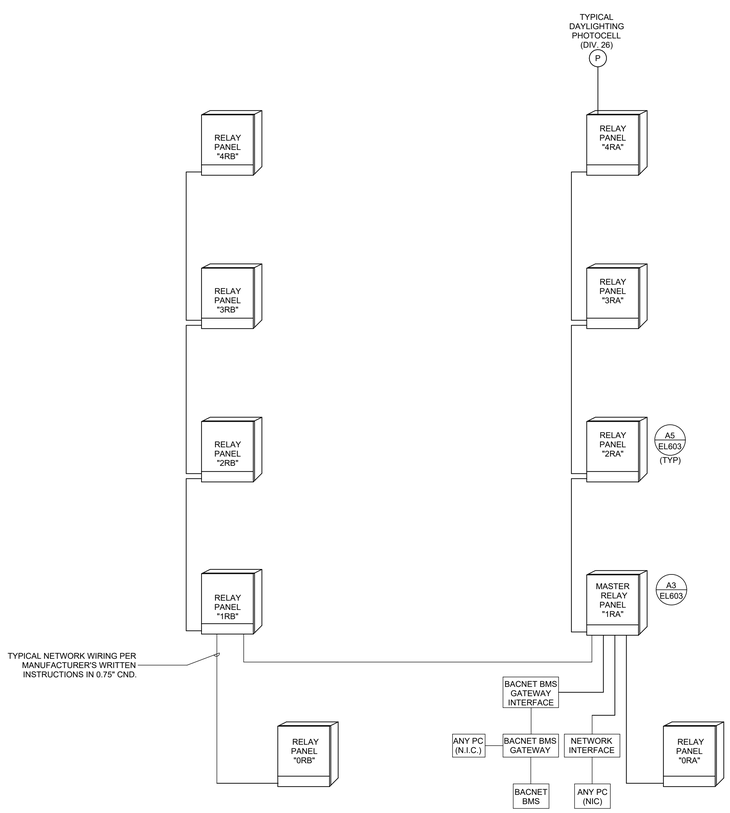
GENERAL NOTES:
1. PROGRAMMING OF SYSTEM SHALL COMPLY WITH CURRENT IECC REQUIREMENTS.
2. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER.
3. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION.
4. ALL SPARE RELAYS AND CHANNELS SHALL BE INCLUDED WITH ORIGINAL SYSTEM INSTALLATION.
5. UPON LOSS OF NORMAL POWER, ALL EMERGENCY LIGHTING RELAYS SHALL TURN ON TO 100% UNTIL NORMAL POWER IS RESTORED, THEN GO BACK TO STANDARD MODE.
**CHANNEL SHALL BE PROGRAMMED WITH 10 MINUTE WARNING PRIOR TO TURNING LIGHTS OFF BY BLINKING THE LIGHTS OFF/ON/OFF/ON.

CONTROL CHANNEL	CHANNEL DESCRIPTION	CHANNEL PROGRAMMING REQUIREMENTS

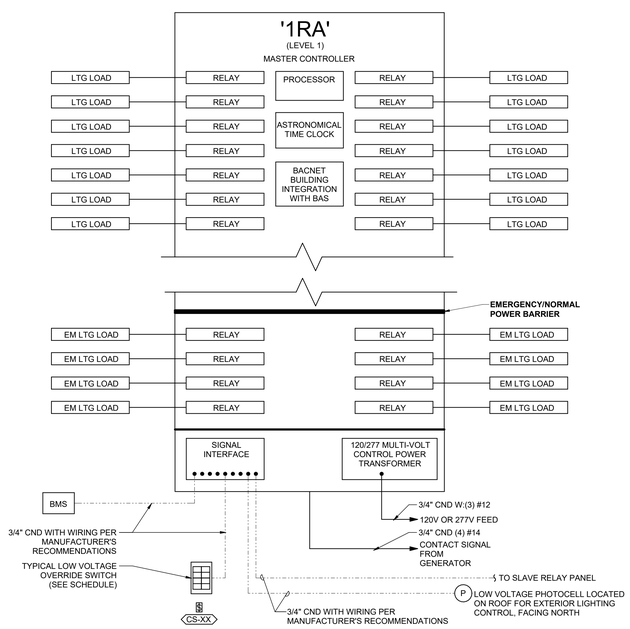
LOW VOLTAGE OVERRIDE SWITCH SCHEDULE

1. COORDINATE INITIAL PROGRAMMING REQUIREMENTS AND SETTINGS WITH OWNER AND MODIFY PROGRAMMING, CONTROL TIMES, AND OPERATION AS DIRECTED BY OWNER.
2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS AS DIRECTED BY OWNER WITHIN THE FIRST 3 TO 6 MONTHS AFTER SUBSTATIAL COMPLETION AND BUILDING OCCUPANCY.
3. PROVIDE CUSTOMIZED PERMANENT BUTTON LABELING ON EACH OVERRIDE SWITCH. LABEL FOR EACH BUTTON SHALL CLEARLY INDICATE FUNCTION OF BUTTON OR ZONE SERVED.
4. PART NUMBERS SHOWN ARE BASED ON THE BASIS OF DESIGN MANUFACTURER NOTED.
5. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A COMPLETE FUNCTIONING LIGHITNG CONTROL SYSTEM MEETING ALL PROJECT REQUIREMENTS, DESIGN INTENT AND FEATURES/FUNCTIONS OF THE BASIS OF DESIGN PRODUCTS.
6. LIGHTING CONTROL PANEL SHALL EITHER BE FACTORY OR UL508 SHOP ASSEMBLED INCLUDING ALL REQUIRED COMPONENTS SUCH AS, BUT NOT LIMITED TO ENCLOSURE, POWER SUPPLIES, RELAYS, DIMMING MODULES, TERMINAL BLOCKS, SIGNAL INTERFACE, PROCESSOR, TIMECLOCK, WIRE MANAGEMENT, ETC. CONTRACTOR OR FIELD BUILT LIGHTING CONTROL PANELS WILL NOT BE PERMITTED.
7. THE LIGHTING CONTROL PANEL AND SEGMENT MANAGER MUST BE NETWORKED TOGETHER AND SHALL PROVIDE ALL FEATURES AND FUNCTIONS AVAILABLE TO THE LIGHTING CONTROL SYSTEM THROUGH THE NETWORK.

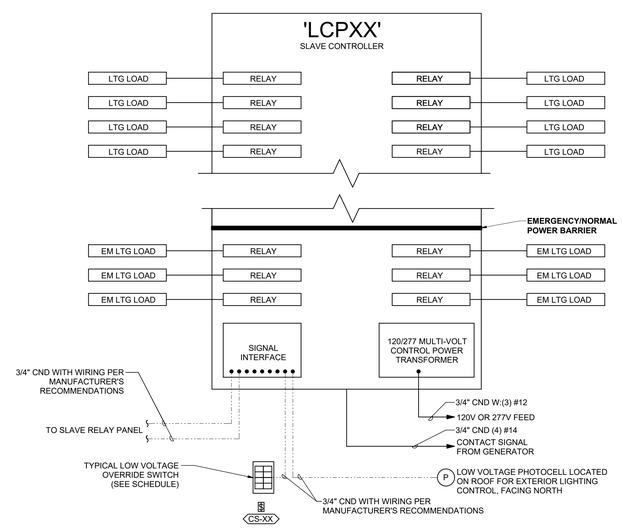
BUTTON	ZONE CONTROLLED	CONTROL DESCRIPTION	BUTTON ENGRAVING
CS-1			
1	BUILDING EXTERIOR	OVERRIDE ON 2 HOURS	YES - "EXT ON"
2	BASEMENT CORRIDOR	OVERRIDE ON 2 HOURS	YES - "BSMT ON"
3	LEVEL 1 CORRIDOR	OVERRIDE ON 2 HOURS	YES - "L1 ON"
4	LEVEL 2 CORRIDOR	OVERRIDE ON 2 HOURS	YES - "L2 ON"
5	LEVEL 3 CORRIDOR	OVERRIDE ON 2 HOURS	YES - "L3 ON"
6	LEVEL 4 CORRIDOR	OVERRIDE ON 2 HOURS	YES - "L4 ON"
7	CUSTOM BY OWNER	AS DIRECTED BY OWNER	AS DIRECTED BY OWNER
8	CUSTOM BY OWNER	AS DIRECTED BY OWNER	AS DIRECTED BY OWNER
CS-2			
1	LEVEL 1 CORRIDOR	OVERRIDE ON 2 HOURS	YES(L1-ON)
2	SITE LIGHTING	OVERRIDE ON 3 HOURS	YES(SITE-ON)
3	CUSTOM BY OWNER	AS DIRECTED BY OWNER	AS DIRECTED BY OWNER



A1 NETWORKED LIGHTING CONTROL RISER DIAGRAM
SCALE: NTS



A3 TYPICAL MASTER LIGHTING RELAY PANEL
SCALE: NTS



A5 TYPICAL SLAVE LIGHTING RELAY PANEL
SCALE: NTS

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SEAL & SIGNATURE

KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
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DATE
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SHEET TITLE
LIGHTING RELAY DIAGRAMS & SCHEDULES

SHEET NO.
EL603

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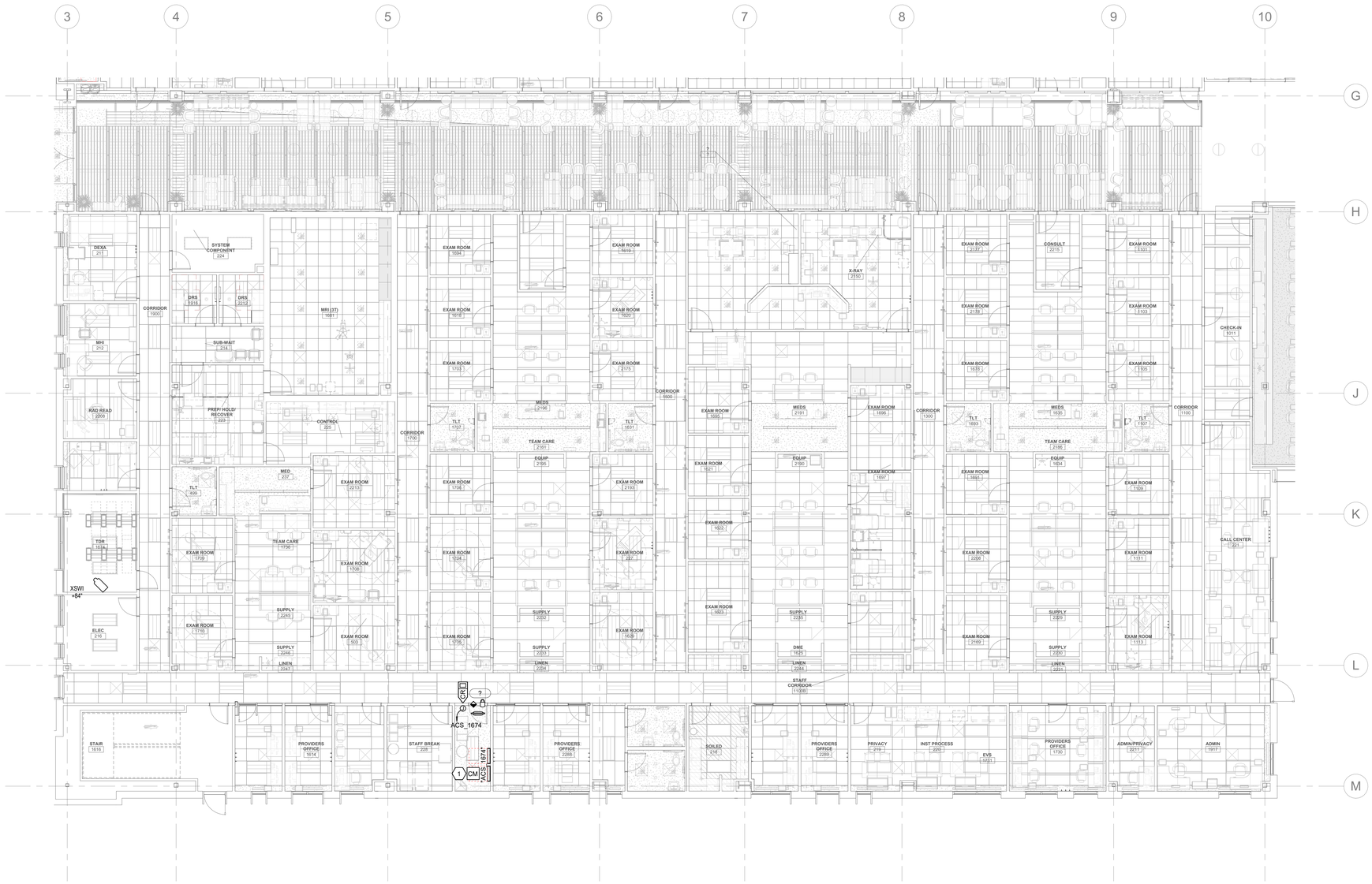

1 LEVEL 1 AUXILIARY PLAN - SECTOR A

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

GENERAL SHEET NOTES

1. ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINTED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS. REFER TO TELECOM RACEWAY PLANS FOR ADDITIONAL INFORMATION.
2. SECURITY JUNCTION BOX LOCATIONS ARE FOR REFERENCE PURPOSES ONLY. LOCATION OF JUNCTION BOX TO BE INSTALLED IN AN ACCESSIBLE CEILING SPACE ALLOWING FOR SERVICEABILITY.
3. ACCESS CONTROL CABLING TO BE PLENUM RATED.
4. SECURITY CONTRACTOR TO COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR ELECTRIC LOCK TYPE, INTERFACE, AND VOLTAGE REQUIREMENTS. CONTRACTOR SHALL REVIEW ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.
5. SECURITY CABLING SHALL BE RATED FOR THE AREA AND ENVIRONMENT IT IS INSTALLED. REFER TO SPECIFICATIONS FOR CABLING REQUIREMENTS.
6. PATHWAYS FOR ACCESS CONTROL MAY SHARE JUNCTION BOXES AND CONDUIT. CONDUIT MUST BE SIZED APPROPRIATELY BASED ON CABLE FILL.
7. SEE ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR DEVICE LOCATIONS. IF NOT SHOWN ON ARCHITECTURAL DRAWINGS LOCATE PER TYPICAL DEVICE MOUNTING DETAILS ON SHEET EE701. ALL CEILING MOUNTED DEVICES SHALL ALIGN WITH OTHER DEVICES ON CEILING.
8. COORDINATE MOUNTING LOCATION OF UNDER DESK PANIC BUTTON WITH FURNITURE DRAWINGS, ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALLATION.

⬡ SHEET KEYNOTES

1. PROVIDE FIRE ALARM CONTROL MODULE FOR THE SECURITY ACCESS CONTROL SYSTEM (ACS) PANEL.

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UTAH VALLEY SPORTS PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
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ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
LEVEL 1 AUXILIARY PLAN - SECTOR A

SHEET NO.
EY101A

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SHEET KEYNOTES

1 PROVIDE FIRE ALARM CONTROL MODULE FOR THE SECURITY ACCESS CONTROL SYSTEM (ACS) PANEL.

GENERAL SHEET NOTES

1 ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINTED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS. REFER TO TELECOM RACEWAY PLANS FOR ADDITIONAL INFORMATION.

2 SECURITY JUNCTION BOX LOCATIONS ARE FOR REFERENCE PURPOSES ONLY. LOCATION OF JUNCTION BOX TO BE INSTALLED IN AN ACCESSIBLE CEILING SPACE ALLOWING FOR SERVICEABILITY.

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4 SECURITY CONTRACTOR TO COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR ELECTRIC LOCK TYPE, INTERFACE, AND VOLTAGE REQUIREMENTS. CONTRACTOR SHALL REVIEW ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.

5 SECURITY CABLING SHALL BE RATED FOR THE AREA AND ENVIRONMENT IT IS INSTALLED. REFER TO SPECIFICATIONS FOR CABLING REQUIREMENTS.

6 PATHWAYS FOR ACCESS CONTROL MAY SHARE JUNCTION BOXES AND CONDUIT. CONDUIT MUST BE SIZED APPROPRIATELY BASED ON CABLE FILL.

7 SEE ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR DEVICE LOCATIONS. IF NOT SHOWN ON ARCHITECTURAL DRAWINGS LOCATE PER TYPICAL DEVICE MOUNTING DETAILS ON SHEET EE701. ALL CEILING MOUNTED DEVICES SHALL ALIGN WITH OTHER DEVICES ON CEILING.

8 COORDINATE MOUNTING LOCATION OF UNDER DESK PANIC BUTTON WITH FURNITURE DRAWINGS, ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALLATION.

1 LEVEL 1 AUXILIARY PLAN - SECTOR B
SCALE: 1/8" = 1'-0"

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UTAH VALLEY SPORTS PERFORMANCE CENTER

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KEY PLAN

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DATE
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SHEET TITLE
LEVEL 1 AUXILIARY PLAN - SECTOR B

SHEET NO.
EY101B

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1 LEVEL 1 AUXILIARY PLAN - SECTOR C

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

GENERAL SHEET NOTES

1. ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINTED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS. REFER TO TELECOM RACEWAY PLANS FOR ADDITIONAL INFORMATION.
2. SECURITY JUNCTION BOX LOCATIONS ARE FOR REFERENCE PURPOSES ONLY. LOCATION OF JUNCTION BOX TO BE INSTALLED IN AN ACCESSIBLE CEILING SPACE ALLOWING FOR SERVICEABILITY.
3. ACCESS CONTROL CABLING TO BE PLENUM RATED.
4. SECURITY CONTRACTOR TO COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR ELECTRIC LOCK TYPE, INTERFACE, AND VOLTAGE REQUIREMENTS. CONTRACTOR SHALL REVIEW ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.
5. SECURITY CABLING SHALL BE RATED FOR THE AREA AND ENVIRONMENT IT IS INSTALLED. REFER TO SPECIFICATIONS FOR CABLING REQUIREMENTS.
6. PATHWAYS FOR ACCESS CONTROL MAY SHARE JUNCTION BOXES AND CONDUIT. CONDUIT MUST BE SIZED APPROPRIATELY BASED ON CABLE FILL.
7. SEE ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR DEVICE LOCATIONS. IF NOT SHOWN ON ARCHITECTURAL DRAWINGS LOCATE PER TYPICAL DEVICE MOUNTING DETAILS ON SHEET EE701. ALL CEILING MOUNTED DEVICES SHALL ALIGN WITH OTHER DEVICES ON CEILING.
8. COORDINATE MOUNTING LOCATION OF UNDER DESK PANIC BUTTON WITH FURNITURE DRAWINGS, ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALLATION.

SHEET KEYNOTES

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LYNK ENGINEERSEERS, INC
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Intermountain Health

UTAH VALLEY SPORTS PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
LEVEL 1 AUXILIARY PLAN - SECTOR C

SHEET NO.
EY101C

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TITLE BLOCK VERSION: 20210930
MODEL: Autodesk Docs://27487.000_IH - UV Sports Performance Center /0205250685 - ELECTRICAL MODEL.rvt
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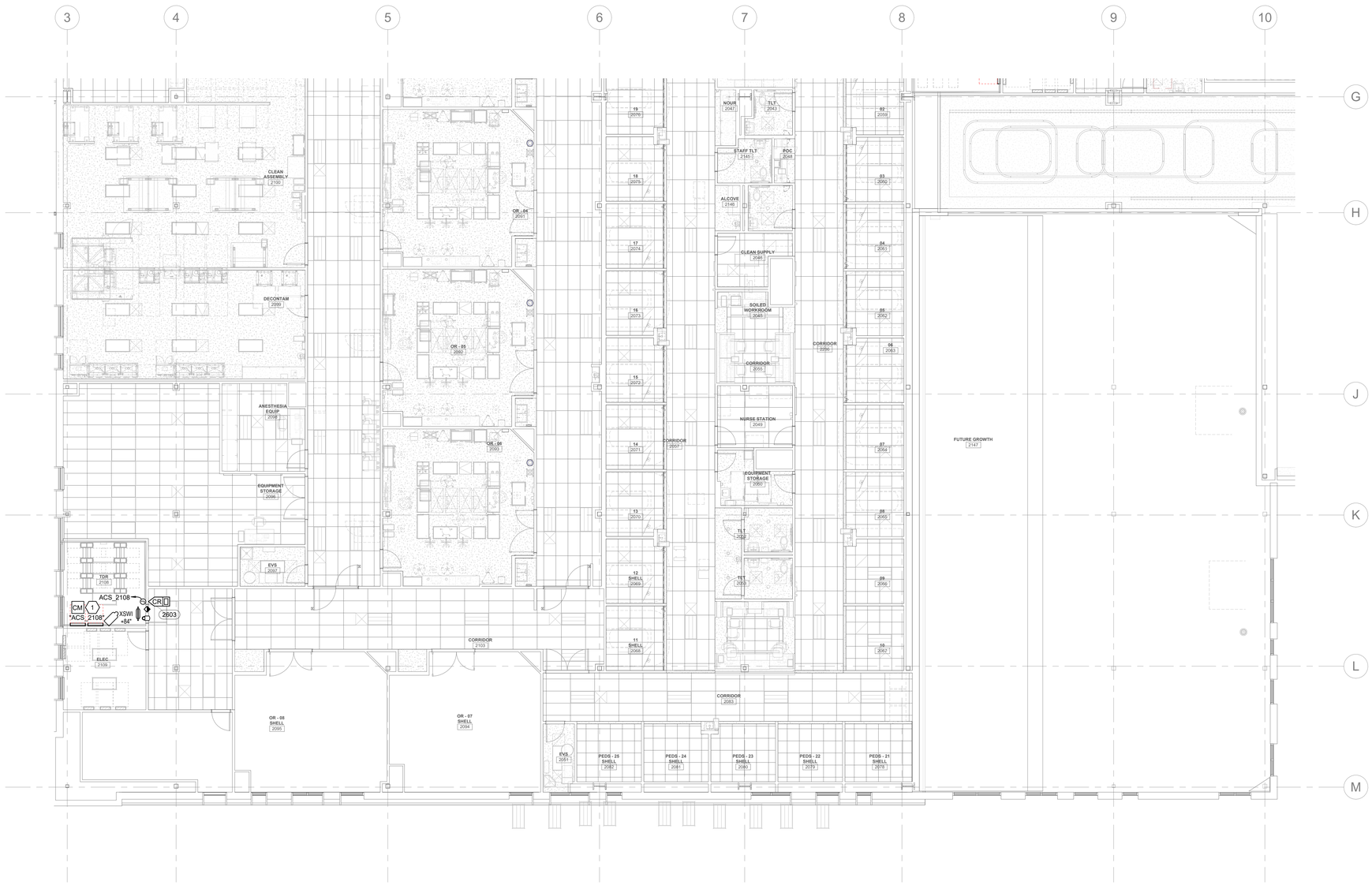

1 LEVEL 2 AUXILIARY PLAN - SECTOR A

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

GENERAL SHEET NOTES

1. ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINTED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS. REFER TO TELECOM RACEWAY PLANS FOR ADDITIONAL INFORMATION.
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8. COORDINATE MOUNTING LOCATION OF UNDER DESK PANIC BUTTON WITH FURNITURE DRAWINGS, ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALLATION.

SHEET KEYNOTES

1. PROVIDE FIRE ALARM CONTROL MODULE FOR THE SECURITY ACCESS CONTROL SYSTEM (ACS) PANEL.

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Intermountain Health

UTAH VALLEY SPORTS PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
LEVEL 2 AUXILIARY PLAN - SECTOR A

SHEET NO.
EY102A

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MODEL: Autodesk Docs://27487.000_IH - UV Sports Performance Center_2025/25085 - ELECTRICAL MODEL.rvt
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SHEET KEYNOTES

1 PROVIDE FIRE ALARM CONTROL MODULE FOR THE SECURITY ACCESS CONTROL SYSTEM (ACS) PANEL.

GENERAL SHEET NOTES

1 ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINTED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS. REFER TO TELECOM RACEWAY PLANS FOR ADDITIONAL INFORMATION.

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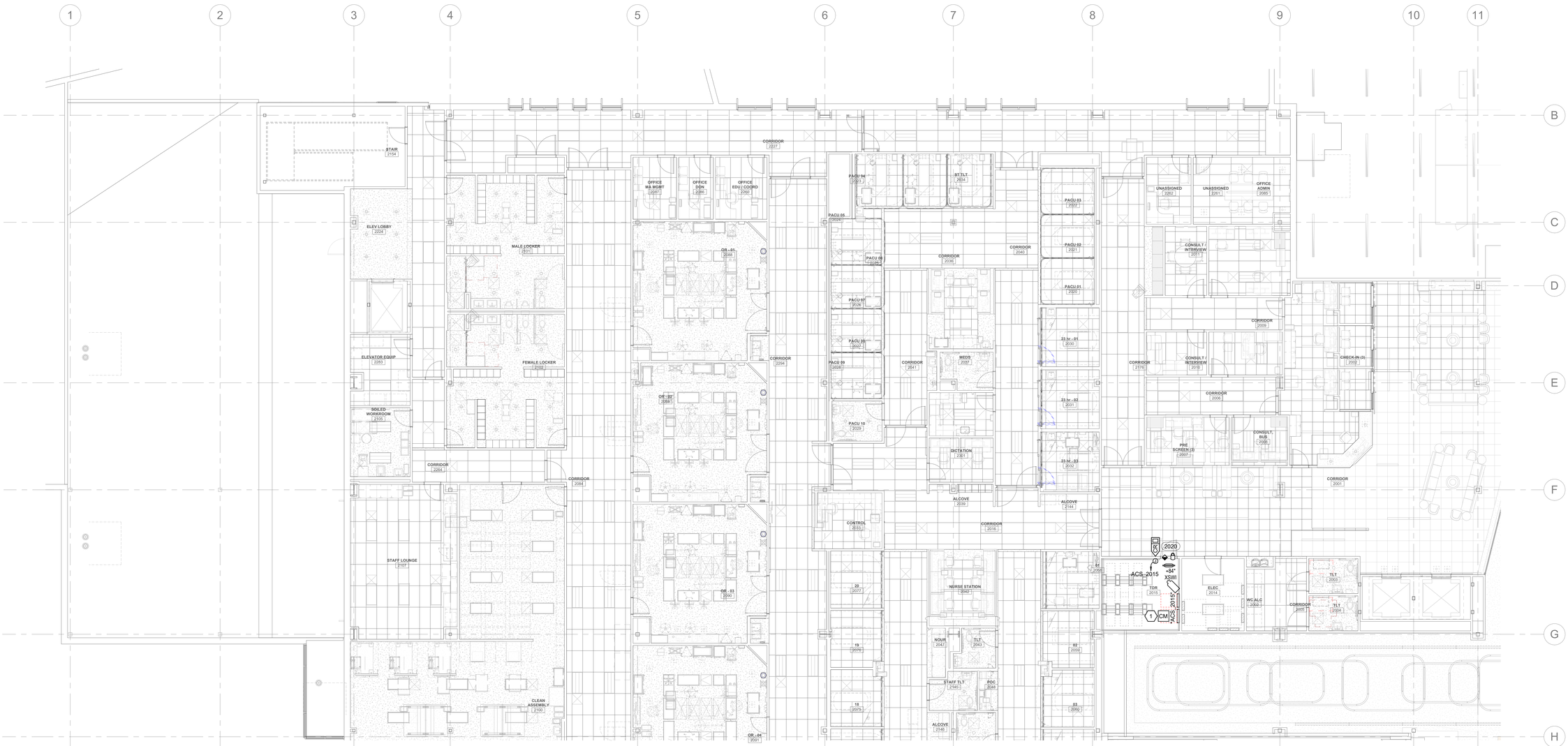
6 PATHWAYS FOR ACCESS CONTROL MAY SHARE JUNCTION BOXES AND CONDUIT. CONDUIT MUST BE SIZED APPROPRIATELY BASED ON CABLE FILL.

7 SEE ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR DEVICE LOCATIONS. IF NOT SHOWN ON ARCHITECTURAL DRAWINGS LOCATE PER TYPICAL DEVICE MOUNTING DETAILS ON SHEET EE701. ALL CEILING MOUNTED DEVICES SHALL ALIGN WITH OTHER DEVICES ON CEILING.

8 COORDINATE MOUNTING LOCATION OF UNDER DESK PANIC BUTTON WITH FURNITURE DRAWINGS, ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALLATION.



1 LEVEL 2 AUXILIARY PLAN - SECTOR B
SCALE: 1/8" = 1'-0"

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SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
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Intermountain Health

UTAH VALLEY SPORTS PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
LEVEL 2 AUXILIARY PLAN - SECTOR B

SHEET NO.
EY102B

TITLE BLOCK VERSION: 20210930
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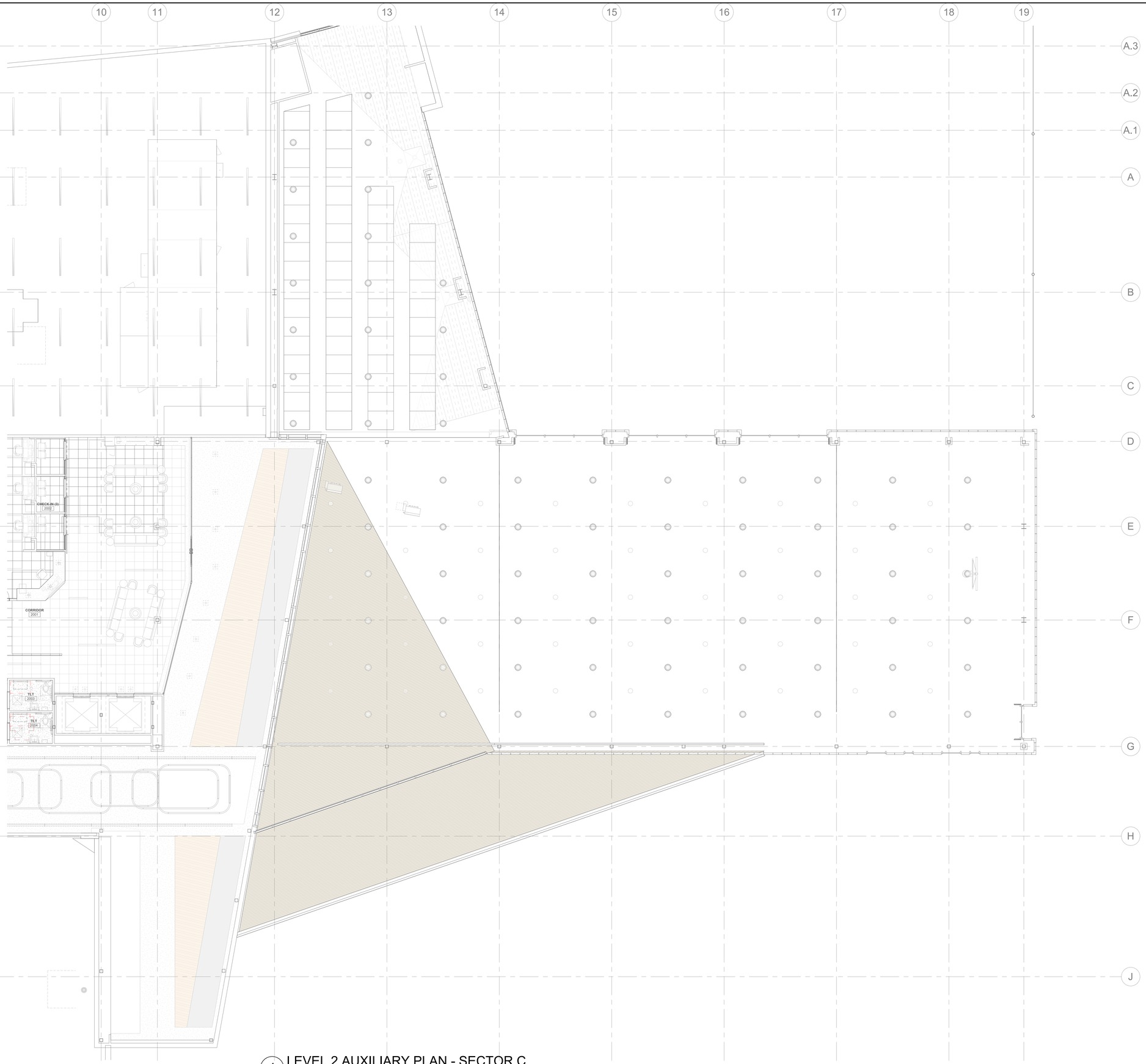

1 LEVEL 2 AUXILIARY PLAN - SECTOR C

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

GENERAL SHEET NOTES

1. ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINTED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS. REFER TO TELECOM RACEWAY PLANS FOR ADDITIONAL INFORMATION.
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SHEET KEYNOTES

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RESOLUT GROUP
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Intermountain Health

UTAH VALLEY SPORTS PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

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KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
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ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
LEVEL 2 AUXILIARY PLAN - SECTOR C

SHEET NO.
EY102C

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TITLE BLOCK VERSION: 20210930
MODEL: Autodesk Docs://27487.000_H - UV Sports Performance Center_2025/25085 - ELECTRICAL MODEL.rvt
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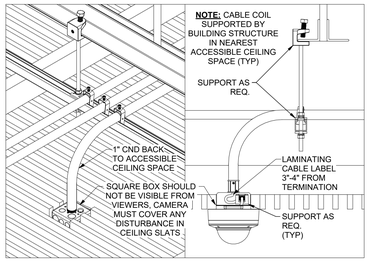
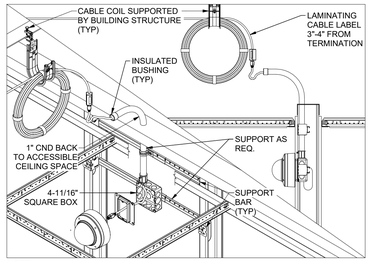


10 CAMERA MOUNTING DETAIL (WOOD-SLAT)

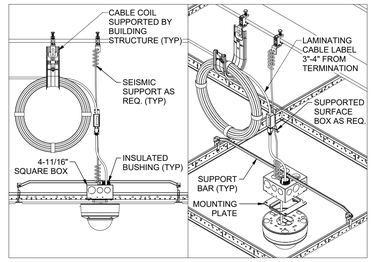
SCALE: 1/8" = 1'-0"



NOTE:
1. REFER TO DIVISION 27 SCHEDULES, NOTES, AND DRAWINGS FOR CABLE AND TERMINATION TYPE. REFER TO CAMERA SCHEDULE FOR CAMERA TYPE AND INFORMATION.

7 CAMERA MOUNTING DETAIL (WALL-MOUNT)

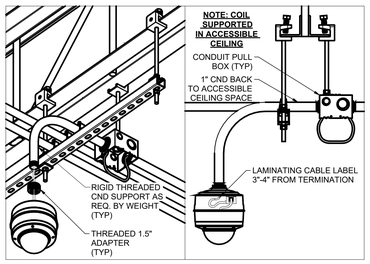
SCALE: NTS



NOTE:
1. REFER TO DIVISION 27 SCHEDULES, NOTES, AND DRAWINGS FOR CABLE AND TERMINATION TYPE. REFER TO CAMERA SCHEDULE FOR CAMERA TYPE AND INFORMATION.

4 CAMERA MOUNTING DETAIL (T-BAR)

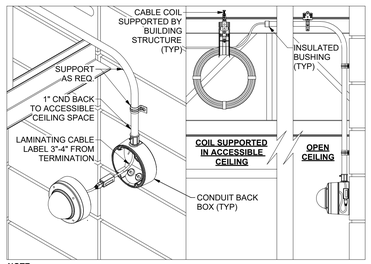
SCALE: NTS



NOTE:
1. REFER TO DIVISION 27 SCHEDULES, NOTES, AND DRAWINGS FOR CABLE AND TERMINATION TYPE. REFER TO CAMERA SCHEDULE FOR CAMERA TYPE AND INFORMATION.

9 CAMERA MOUNTING DETAIL (OPEN-CEILING)

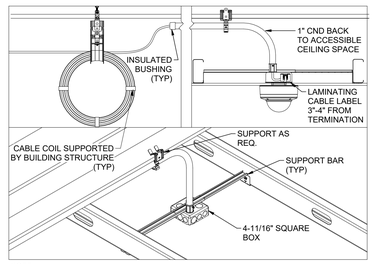
SCALE: 1/8" = 1'-0"



NOTE:
1. REFER TO DIVISION 27 SCHEDULES, NOTES, AND DRAWINGS FOR CABLE AND TERMINATION TYPE. REFER TO CAMERA SCHEDULE FOR CAMERA TYPE AND INFORMATION.

6 CAMERA MOUNTING DETAIL (SURFACE-MOUNT)

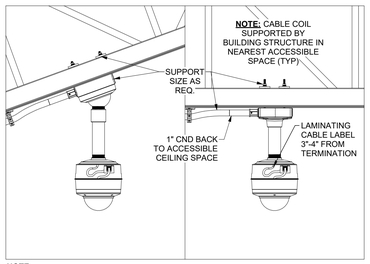
SCALE: NTS



NOTE:
1. REFER TO DIVISION 27 SCHEDULES, NOTES, AND DRAWINGS FOR CABLE AND TERMINATION TYPE. REFER TO CAMERA SCHEDULE FOR CAMERA TYPE AND INFORMATION.

3 CAMERA MOUNTING DETAIL (HARD-LID)

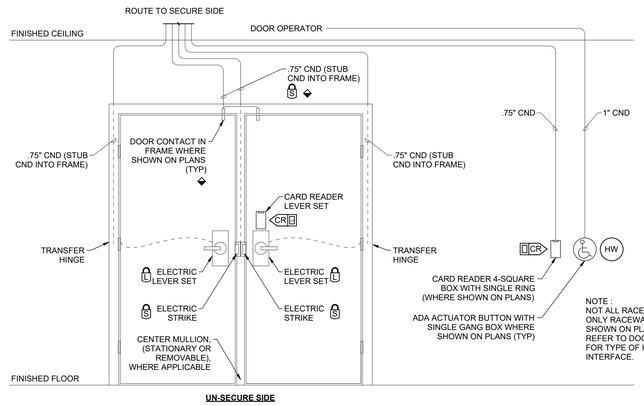
SCALE: NTS



NOTE:
1. REFER TO DIVISION 27 SCHEDULES, NOTES, AND DRAWINGS FOR CABLE AND TERMINATION TYPE. REFER TO CAMERA SCHEDULE FOR CAMERA TYPE AND INFORMATION.

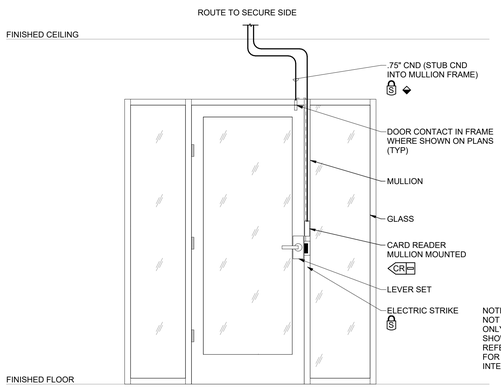
8 CAMERA MOUNTING DETAIL (TRUSS)

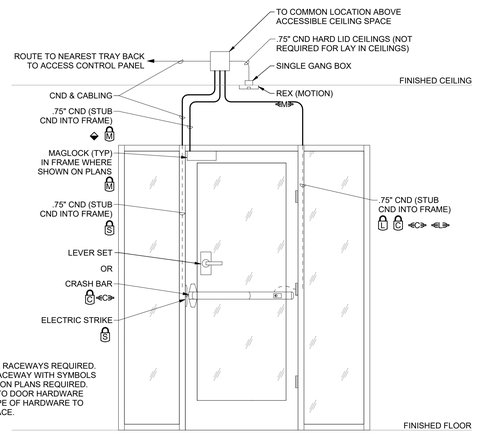
SCALE: 1/8" = 1'-0"



2 DOUBLE DOOR ROUGH IN DETAIL TYPICAL

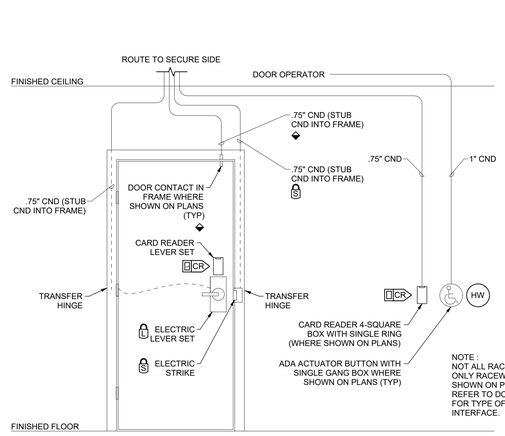
SCALE: NTS





5 SINGLE DOOR MULLION MOUNTED DETAIL

SCALE: NTS



1 SINGLE DOOR ROUGH IN DETAIL TYPICAL

SCALE: NTS

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SALT LAKE CITY, UTAH 84101

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GREAT BASIN ENGINEERING, INC
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LANDSCAPE ARCHITECT
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STRUCTURAL ENGINEER
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E/T ENGINEER
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Intermountain Health

UTAH VALLEY SPORTS PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
AUXILIARY DETAILS

SHEET NO.
EY551

TITLE BLOCK VERSION: 20210830
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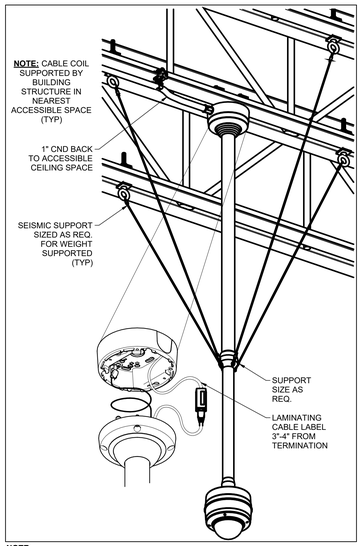
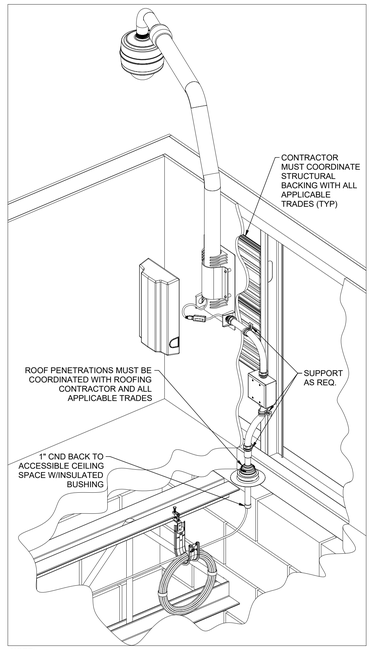


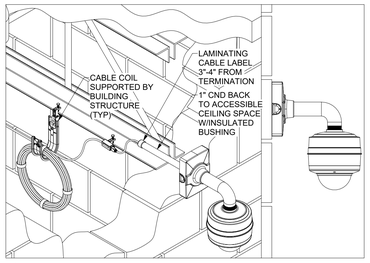
NOTE:
1. REFER TO DIVISION 27 SCHEDULES, NOTES, AND DRAWINGS FOR CABLE AND TERMINATION TYPE. REFER TO CAMERA SCHEDULE FOR CAMERA TYPE AND INFORMATION.

4 CAMERA MOUNTING DETAIL (TRUSS)
SCALE: NTS



NOTE:
1. REFER TO DIVISION 27 SCHEDULES, NOTES, AND DRAWINGS FOR CABLE AND TERMINATION TYPE. REFER TO CAMERA SCHEDULE FOR CAMERA TYPE AND INFORMATION.

3 CAMERA MOUNTING DETAIL (PARAPET)
SCALE: NTS



NOTE:
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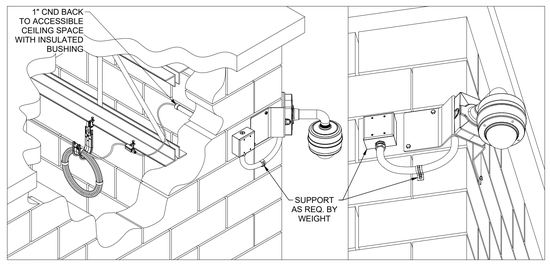
2 CAMERA MOUNTING DETAIL (SURFACE-MOUNT-EXT)
SCALE: NTS



NOTE:
1. REFER TO DIVISION 27 SCHEDULES, NOTES, AND DRAWINGS FOR CABLE AND TERMINATION TYPE. REFER TO CAMERA SCHEDULE FOR CAMERA TYPE AND INFORMATION.

1 CAMERA MOUNTING DETAIL (EXT-CORNER)
SCALE: NTS

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REAVELEY ENGINEERS
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SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
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MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERSEERS, INC
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Intermountain Health

UTAH VALLEY SPORTS PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

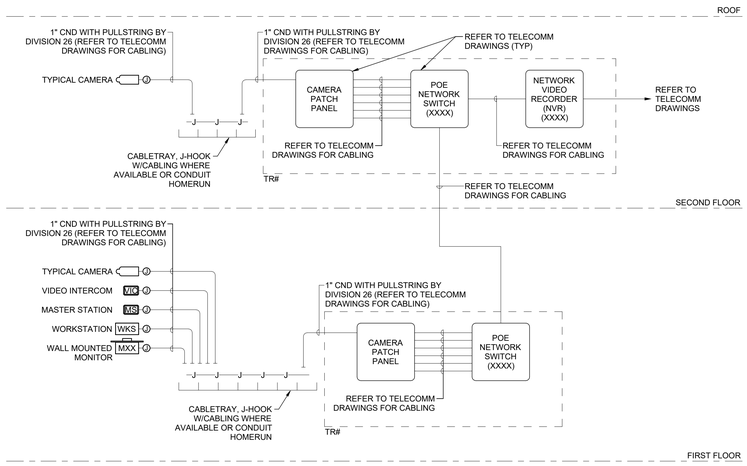
DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
AUXILIARY DETAILS

SHEET NO.
EY552

TITLE BLOCK VERSION: 20210930
PRINT DATE: 8/25/2026 4:55:04 PM TEMPLATE VERSION: 23.0.6 MODEL: Autodesk Docs://27487.000_IH - UV Sports Performance Center 2025/25088 - ELECTRICAL MODEL.rvt



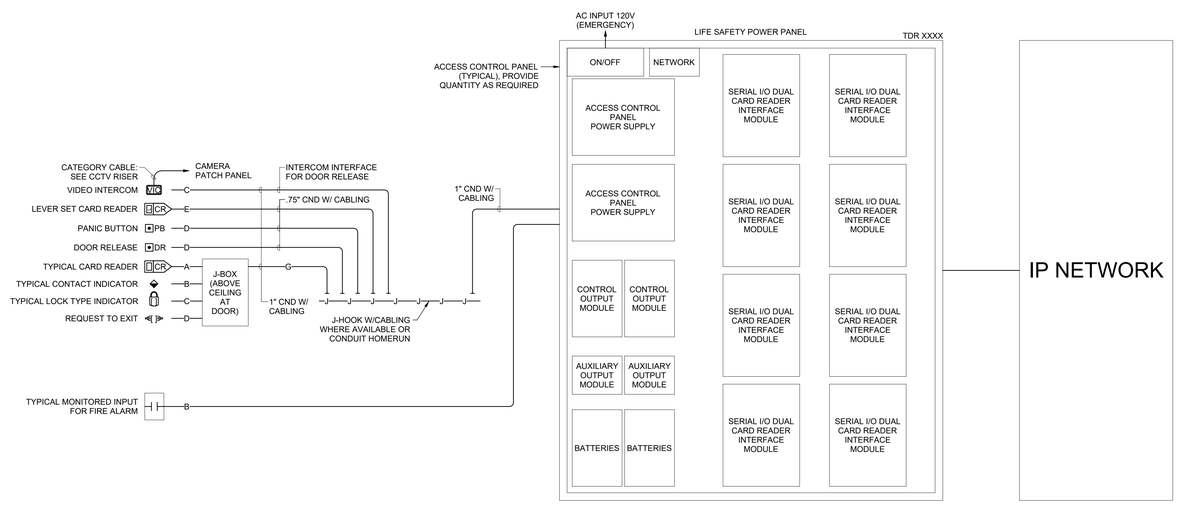
2 CCTV ROUGH-IN RISER DIAGRAM
SCALE: NTS

GENERAL DIVISION OF WORK

CARD READERS -	BY DIVISION 26/28
CONTACT INDICATORS @ DOOR -	BY DIVISION 28
CONTACT INDICATORS @ GARAGE DOOR -	BY DIVISION 28
ACCESS CONTROL SYSTEM -	BY DIVISION 26/28
DOOR POWER SUPPLIES @ DOOR -	BY DIVISION 8
DOOR POWER SUPPLIES @ CONTROL PANEL -	BY DIVISION 26/28
RACEWAYS -	BY DIVISION 26/28
CABLING -	BY DIVISION 26/28
ELECTRIFIED DOOR HARDWARE -	BY DIVISION 8
ADA OPERATORS -	BY DIVISION 8
REX (MOTION SENSORS) -	BY DIVISION 28
REX (IN DOOR HARDWARE) -	BY DIVISION 8

ACCESS CONTROL SYSTEM CONDUIT AND CABLING SCHEDULE

—A—	1" CND W/ (1) #22/6 TWSP (OSDP)	—G—	COMPOSITE CABLE (MULTI)
—B—	0.75" CND W/ (1) #22/2 TWP		
—C—	0.75" CND W/ (2) #18/4 TWP		
—D—	0.75" CND W/ (2) #22/4 TWP		
—E—	0.75" CND W/ (2) #18/4 TWP OVERALL SHIELD (OSDP)		



1 ACCESS CONTROL RISER DIAGRAM - MERCURY
SCALE: NTS

HKS

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OGDEN, UTAH 84403

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MGB+A STUDIO
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STRUCTURAL ENGINEER
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Intermountain Health

UTAH VALLEY SPORTS PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

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27487.000

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SHEET TITLE
AUXILIARY RISER DIAGRAMS

SHEET NO.
EY651

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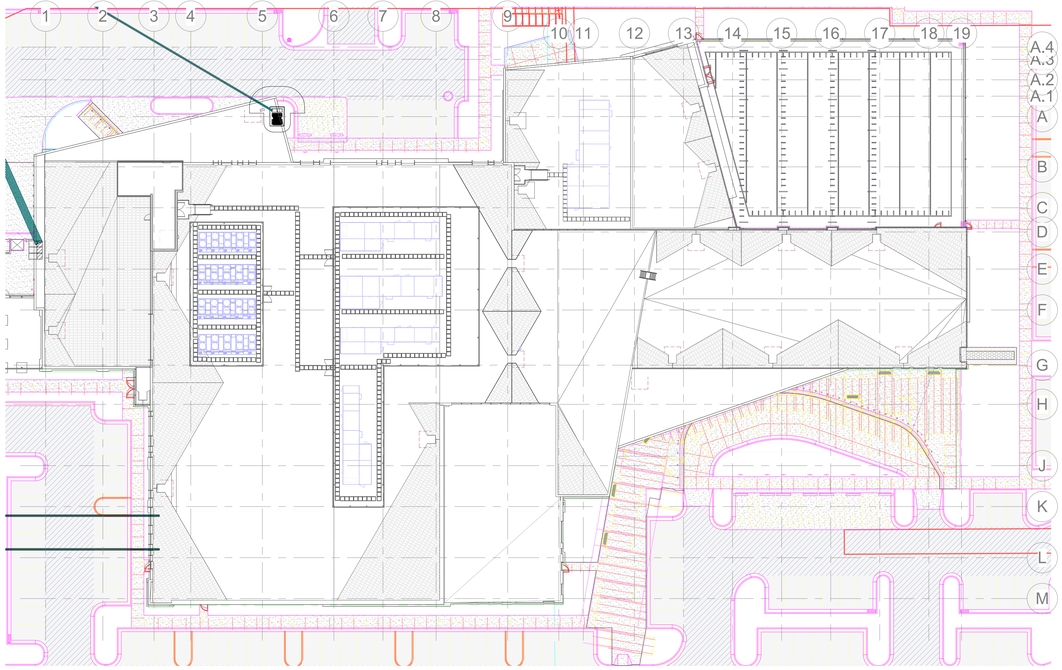
PRINT DATE: 8/25/2026 4:55:05 PM TEMPLATE VERSION: 23.0.6 MODEL: Autodesk Docs://27487.000_H+LV Sports Performance Center 2025/25058B - ELECTRICAL MODEL.rvt



1 ROOF POWER PLAN (Parent)
SCALE: 1" = 30'-0"

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
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Intermountain Health

UTAH VALLEY SPORTS PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

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KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

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ISSUE
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SHEET TITLE
LIGHTNING PROTECTION ROOF PLAN

SHEET NO.
EK101

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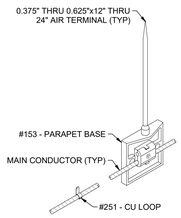
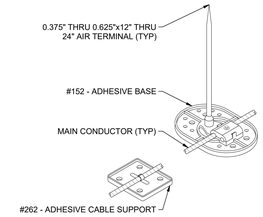
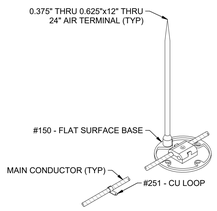
PRINT DATE: 8/25/2026 4:05:18 PM TEMPLATE VERSION: 23.0.6



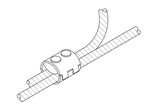
E4 #153 - PARAPET BASE
SCALE: NTS



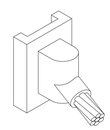
E5 #152 - ADHESIVE BASE
SCALE: NTS



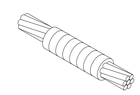
D4 #150 - FLAT SURFACE BASE
SCALE: NTS



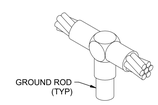
D5 #204 - PARALLEL CLAMP
SCALE: NTS



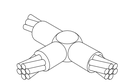
C4 VSC - 2Q - CADWELL MOLD
SCALE: NTS



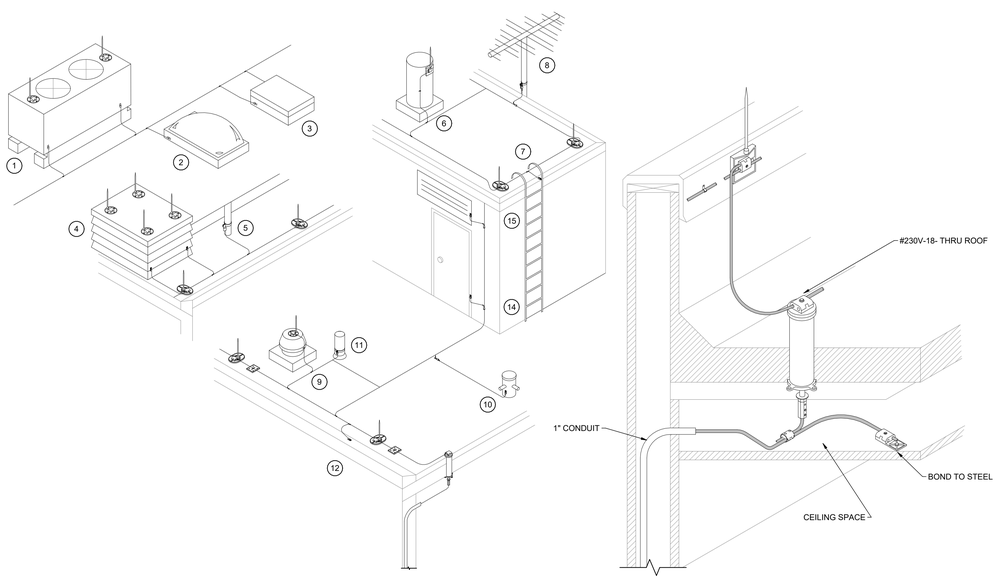
C5 BURNDEY YGH528 CONDUCTOR SPLICE
SCALE: NTS



B4 GTC - 182Q CADWELD MOLD
SCALE: NTS



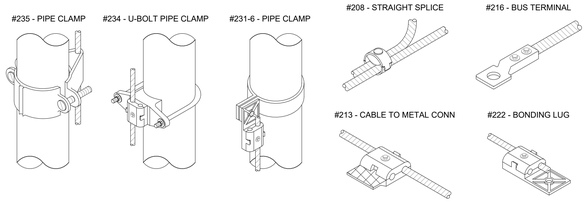
B5 TAC - 2Q2Q CADWELL MOLD
SCALE: NTS



NOTES:

1. ITEMS 1-10 ARE TYPICAL BODIES OF CONDUCTANCE AS NOTED BELOW. USE FULL SIZE CONDUCTOR AND APPROPRIATE FITTING SHOWN FOR CONNECTION.
2. ITEM 11 (PLUMBING STACK) REQUIRES BONDING WITH MAIN SIZE CABLE ONLY IF WITHIN 6'-0" OF SYSTEM.
3. ITEMS 12-15 ARE TYPICAL BODIES OF INDUCTANCE AS NOTES BELOW. USE SECONDARY SIZE SMALLER CONDUCTOR AND APPROPRIATE FITTING SHOWN FOR CONNECTION. (ITEM 12 TYPICALLY OCCURS AT EACH DOWN-LEAD AND ROOF LEVEL CHANGE AS SHOWN).
4. BONDING CONNECTIONS AND FITTINGS SHOWN ARE TYPICAL EXAMPLES - MAKE ALL CONNECTIONS REQUIRED TO MEET CODES AS NOTED BELOW. ADJUST FITTING TYPE AS REQUIRED TO SUIT FIELD CONDITIONS.

A1 BONDING DETAIL
SCALE: NTS



A4 MISCELLANEOUS BONDS AND CLAMPS
SCALE: NTS

GENERAL AND INSTALLATION NOTES (LPRO)

1. LOCATE AIR TERMINALS AS SHOWN. TAKE CARE TO ENSURE THAT ALL POINTS ARE WITHIN 2'-0" OF OUTSIDE BUILDING EDGE, OUTSIDE CORNERS, AND RIDGE ENDS, AND THAT MAXIMUM SPACING DOES NOT EXCEED 20'-0", AND THAT MINIMUM PROJECTION ABOVE OBJECT PROTECTED IS 10", (POINTS PROJECTING 24" MAY BE SPACED @ 25' MAX).
2. MAINTAIN HORIZONTAL OR DOWNWARD COURSING OF MAIN CONDUCTOR AND INSURE THAT ALL BENDS HAVE AT LEAST AND 8" RADIUS AND DO NOT EXCEED 90 DEGREES.
3. ATTACH ALL EXPOSED ROOF, DOWNLEAD AND BONDING CABLES AT 3'-0" ON CENTER MAXIMUM. VERIFY COMPATIBILITY OF ADHESIVE ON MEMBRANE ROOF APPLICATION PRIOR TO INSTALLATION.
4. BOND TO WATER SERVICE AND OTHER PIPING SYSTEMS AS SHOWN AND AS REQUIRED BY CODES.
5. INTERCONNECT LIGHTNING PROTECTION GROUND TO ELECTRIC, TELEPHONE, AND OTHER BUILDING GROUND SYSTEMS AS SHOWN OR AS REQUIRED BY CODE.
6. SYSTEM SHALL BE INSTALLED AS SHOWN TO ENSURE PROPER CODE COMPLIANCE AND SYSTEM CERTIFICATION. ANY MAJOR VARIANCE SHALL ENTAIL RESUBMITTAL AND NEW APPROVAL.
7. "AS BUILT" DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH CERTIFICATION PROCEDURES.
8. ALL MATERIALS TO BE UNDERWRITERS LABORATORIES APPROVED WITH "A" LABELS ON CONDUCTORS @ 10'-0" INTERVALS AND "B" LABELS ON ALL AIR TERMINALS.
9. COMPLETED INSTALLATION AS SHOWN SHALL BEAR U.L. MASTER LABEL "C" TO BE SECURED BY SYSTEM INSTALLER PER UL96A.
10. INSTALLATION SHALL COMPLY IN ALL RESPECTS TO L.P.I CODE 175. INSTALLATION SHALL BE MADE OR UNDER THE SUPERVISION OF AN L.P.I CERTIFIED MASTER INSTALLER.

HKS

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Intermountain Health

UTAH VALLEY SPORTS PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
LIGHTNING PROTECTION DETAILS

SHEET NO.
EK501

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MODEL: Autodesk Docs://27487.000_IH - UV Sports Performance Center 2025/25088 - ELECTRICAL MODEL.rvt
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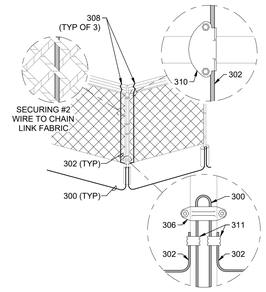
GENERAL AND INSTALLATION NOTES (GROUNDING)

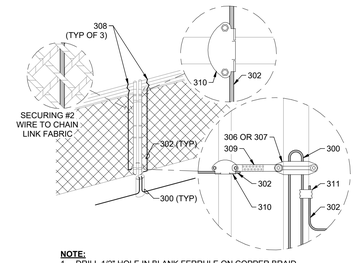
1. GROUND ELECTRODES SHALL BE INSTALLED AS SHOWN BUT IN NO INSTANCE SHALL THEY BE LESS THAN 1'-0" BELOW GRADE AND 2'-0" FROM FOUNDATION WALL. DRIVEN RODS SHALL PENETRATE EARTH AT LEAST 1'0-0".
2. BOND TO WATER SERVICE AND OTHER PIPING SYSTEMS AS SHOWN AND AS REQUIRED BY CODES.
3. SYSTEM SHALL BE INSTALLED AS SHOWN TO INSURE PROPER CODE COMPLIANCE AND SYSTEM CERTIFICATION. ANY MAJOR VARIANCE SHALL ENTAIL RESUBMITTAL AND NEW APPROVAL.
4. "AS BUILT" DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH CERTIFICATION PROCEDURES.
5. INSTALLATION SHALL COMPLY IN ALL RESPECTS TO L.P.I CODE 175. INSTALLATION SHALL BE MADE OR UNDER THE SUPERVISION OF AN L.P.I CERTIFIED MASTER INSTALLER.

GROUND GRID EQUIPMENT LIST

EQUIP. NO.	QTY.	DESCRIPTION	MANUFACTURER	CATALOG NO.
300	AS REQ'D	# 2/0 AWG, STRANDED, SOFT DRAWN, COPPER CONDUCTOR	TBD	TBD
301	AS REQ'D	# 4/0 AWG, STRANDED, SOFT DRAWN, COPPER CONDUCTOR	TBD	TBD
302	AS REQ'D	# 2 AWG, SOLID, SOFT DRAWN COPPER CONDUCTOR TINNED	TBD	TBD
303	AS REQ'D	BRONZE GROUND CLAMP, 2/0 OR 4/0 CABLE TO FLAT GALVANIZED STEEL HARDWARE	TBD	TBD
304	AS REQ'D	BRONZE GROUND CLAMP, TWO EA. 2/0 OR 4/0 CABLES TO FLAT, GALVANIZED STEEL HARDWARE	TBD	TBD
305	AS REQ'D	BRONZE GROUND CLAMP - 1, 2, OR 3 CABLES TO 2-1/2" TUBE, 2/0 SOLID TO 250 MCM COPPER	TBD	TBD
306	AS REQ'D	BRONZE GROUND CLAMP - 1, 2, OR 3 CABLES TO 3" TUBE, 2/0 SOLID TO 250 MCM COPPER	TBD	TBD
307	AS REQ'D	BRONZE GROUND CLAMP - 1, 2, OR 3 CABLES TO 4" TUBE, 2/0 SOLID TO 250 MCM COPPER	TBD	TBD
308	AS REQ'D	BRONZE PARALLEL CONNECTOR - SPLIT BOLT TYPE C, FOR #2 SOLID COPPER	TBD	TBD
309	AS REQ'D	FLEXIBLE COPPER GROUNDING BRAID	TBD	TBD
310	AS REQ'D	BRONZE GROUND CLAMP - 1 CABLE TO 1 3/4" TUBE #4 SOLID TO 2/0 STRANDED COPPER	TBD	TBD
311	AS REQ'D	BRONZE PARALLEL CONNECTOR -SINGLE CENTER BOLT TYPE ST	TBD	TBD
312	AS REQ'D	3/8" 7 STRAND, GALVANIZED STEEL WIRE, B CODE	TBD	TBD
313	AS REQ'D	BRONZE PARALLEL CONNECTOR - TYPE KR WITH CABLE SEPARATOR 2/0 MAIN TO #2 TAP	TBD	TBD
314	AS REQ'D	BRONZE TERMINAL - CABLE TO TWO-HOLE FLAT PAD	TBD	TBD
315	AS REQ'D	-	TBD	TBD
316	AS REQ'D	-	TBD	TBD
317	AS REQ'D	-	TBD	TBD
318	AS REQ'D	-	TBD	TBD
319	AS REQ'D	-	TBD	TBD
320	AS REQ'D	-	TBD	TBD

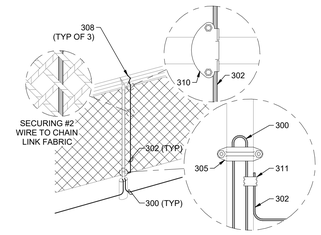


D3 FENCE GROUNDING - CORNER POST
SCALE: NTS

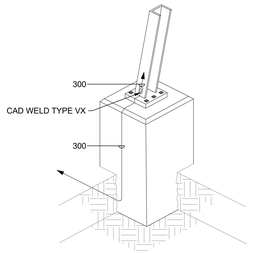


NOTE:
1. DRILL 1/2" HOLE IN BLANK FERRULE ON COPPER BRAID.

D4 FENCE GROUNDING - GATE POST
SCALE: NTS

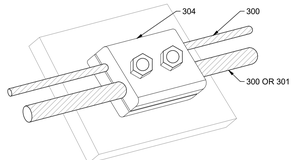


D5 FENCE GROUNDING - LINE POST
SCALE: NTS



NOTE:
1. BOND #2/0 CONDUCTOR TO STRUCTURE AT 5' INTERVALS WITH TYPE VX CAD WELD.

C2 STRUCTURE BASE GROUNDING TRANSITION
SCALE: NTS



C3 STRUCTURE GROUNDING - 4/0 OR 2/0 RUN WITH 2/0 TAP
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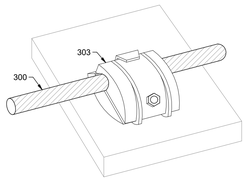
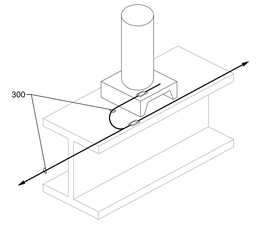
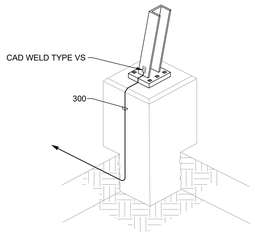


C4 STRUCTURE GROUNDING - SINGLE RUN
SCALE: NTS



C5 CABLE TERMINATION, SURGE ARRESTOR, C.T. & P.T. GROUNDING
SCALE: NTS



B2 STRUCTURE BASE GROUNDING TERMINATION
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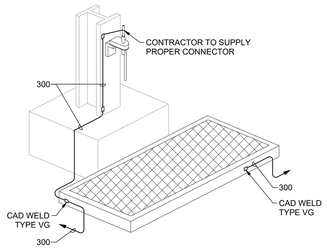
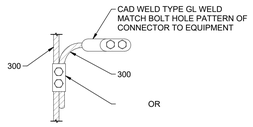


B3 SWITCH HANDLE & PLATFORM GROUNDING
SCALE: NTS



B4 EQUIPMENT GROUNDING CONNECTION
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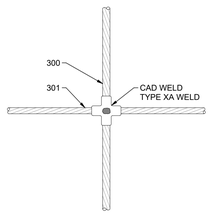
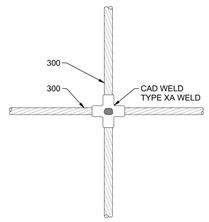
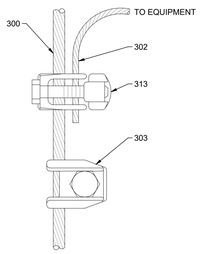


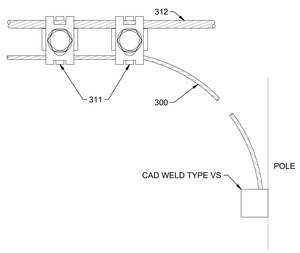
B5 #2/0 - #4/0 B.C. CONNECTION
SCALE: NTS



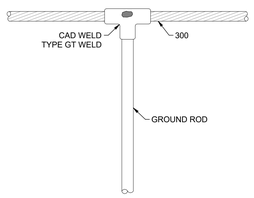
B6 #2/0 - #2/0 B.C. CONNECTION
SCALE: NTS



A2 EQUIPMENT GROUNDING 2/0 RUN WITH #2 TAP
SCALE: NTS



A3 OH STATIC WIRE GROUNDING
SCALE: NTS



A4 #2/0 B.C. - GROUND ROD CONNECTION
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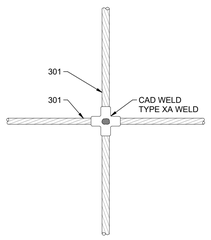
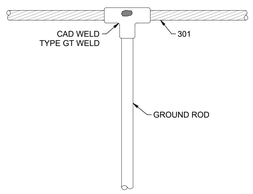


A5 #4/0 - #4/0 B.C. CONNECTION
SCALE: NTS



A6 #4/0 B.C. - GROUND ROD CONNECTION
SCALE: NTS

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UTAH VALLEY SPORTS PERFORMANCE CENTER

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SEAL & SIGNATURE

KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
GROUNDING DETAILS

SHEET NO.
EK502

TITLE BLOCK VERSION: 20210930
MODEL: Autodesk Docs://27487.000_IH - UV Sports Performance Center_2025/25088 - ELECTRICAL MODEL.rvt
PRINT DATE: 8/25/2026 4:55:23 PM TEMPLATE VERSION: 23.0.6

AV DISPLAY DEVICE SCHEDULE

DISPLAY TYPE / ORIENTATION ABBREVIATIONS:	AVIXA STANDARD USED ABBREVIATIONS:
M = MONITOR L = LANDSCAPE P = PORTRAIT PM = POLE MOUNT PS = PROJECTION SCREEN VW = VIDEO WALL LED = DIRECT VIEW LED	NA = NOT APPLICABLE NC = NOT COMPLIANT WITH AVIXA STANDARDS OC = OBSERVING CONTENT (GENERAL VIEWING, DETAILS NOT CRITICAL) IC = INSPECTING CONTENT (SPREADSHEETS, WEB PAGES, PRESENTATIONS) ICC = INSPECTING CRITICAL CONTENT (ENGINEERING DRAWINGS, MEDICAL IMAGES)

ROOM NAME	ROOM #	LEVEL	CEILING HEIGHT	FURTHEST ON AXIS VIEWING DISTANCE	DISPLAY TYPE / ORIENTATION	IMAGE HEIGHT	IMAGE WIDTH	APPROX. PROJECTOR THROW DISTANCE	FLAT PANEL SIZE (Diagonal)	ASPECT RATIO	MATRIX SIZE	AVIXA STANDARD USED

AV CABLE SCHEDULE

SEE GENERAL NOTE 14

CABLE TYPE	DESCRIPTION	ACCEPTABLE TYPES	SPECIAL INSTRUCTIONS
M	MICROPHONE CABLE, 22 AWG, SHIELDED, TWISTED PAIR W/ DRAIN	LIBERTY 22-1P-CMP-EZ-WHY BELDEN 82761 WEST PENN D25454	
L	LINE LEVEL CABLE, 22 AWG, SHIELDED, TWISTED PAIR W/ DRAIN	LIBERTY 22-1P-CMP-EZ-WHY BELDEN 82761 WEST PENN D25454	
S	SPEAKER CABLE, 16 AWG, TWISTED PAIR, UNSHIELDED	LIBERTY 16-2C-TTP WEST PENN 25225	
Z	SPEAKER CABLE, 12 AWG, TWISTED PAIR, UNSHIELDED	LIBERTY 16-2C-TTP WEST PENN 25227	
C	CONTROL CABLE, 24 AWG, 4 PAIR, OVERALL SHIELD	BELDEN 88104 WEST PENN D252404	
D	DATA CABLE, CATEGORY 6, W/ BLUE JACKET	SYSTIMAX 2071E GIGASPEED XL	PROVIDE CABLE WITH BLUE JACKET ONLY
V	VIDEO CABLE, 75 OHM, COAXIAL, RG59	BELDEN 1506A WEST PENN 25816	
P	DIGITAL VIDEO CABLE, CATEGORY 6, TWISTED PAIR, SHIELDED	EXTRON XTP DTP 24	
X	EMITTER PANEL CABLE, RG58, 50 OHM, COAXIAL	BELDEN 88240 WEST PENN 25843	
H	HDMI CABLE	BELDEN HD200X LIBERTY E-HDM-M-X	

AV SYSTEM CABLE INSTALLATION REQUIREMENTS SCHEDULE

THE REQUIREMENTS BELOW APPLY TO EACH LOCATION SHOWN ON LAYOUT DRAWINGS, AND DO NOT INCLUDE REQUIRED CABLE INSTALLATION INSIDE EQUIPMENT RACKS, LECTERNS, AND ENCLOSURES.

ER = EQUIPMENT RACK WHICH SERVES EACH ROOM
LCJB = LARGE CAPACITY JUNCTION BOX

ORIGIN	DESTINATION	CABLE TYPE	QUANTITY	SPECIAL INSTRUCTIONS
CPX	ER	M	1	
		L	2	
CPX	ER	D	1	
		P	1	
CPX	ER	P	1	
S	ER S	S	SEE INSTRUCTIONS	CIRCUIT SPEAKER SYSTEMS AND PROVIDE CABLE QUANTITIES AS SHOWN ON THE FLOOR PLAN DRAWINGS
	ER	P	1	
		D	1	
	ER UD	C	1	
M86	ER	P	1	
MOTORIZED WINDOW COVERING MOTOR CONTROL	ER	C OR D	1	
LIGHTING CONTROL SYSTEM	ER	C OR D	2	

AV SIGNAL TYPE ABBREVIATIONS SCHEDULE

ABBREVIATION	SIGNAL TYPE
AA	ANALOG AUDIO
AL	AUDIO, LEFT, (LINE LEVEL)
AR	AUDIO, RIGHT, (LINE LEVEL)
AVIP	AV OVER IP
DAN	DANTE
DP	DISPLAY PORT - HIGH RESOLUTION DIGITAL VIDEO
DVI	DIGITAL VIDEO INTERFACE - HIGH RESOLUTION DIGITAL VIDEO
ENET	ETHERNET
HDBT	HD BASE T
HDMI	HIGH DEFINITION MULTI-MEDIA INTERFACE - HIGH RESOLUTION DIGITAL VIDEO
IP	INTERNET PROTOCOL
RS-232	SERIAL DATA COMMUNICATION
TP	TWISTED PAIR
UA	USB AUDIO
USB	UNIVERSAL SERIAL BUS
USB-C	UNIVERSAL SERIAL BUS TYPE C
V	VIDEO, COMPOSITE-STANDARD RESOLUTION ANALOG VIDEO

SPECIAL PROJECT NOTES

1. THE AUDIO AND VIDEO SYSTEM EQUIPMENT LISTS IDENTIFY EQUIPMENT ITEMS OF SIGNIFICANCE BY MANUFACTURER AND MODEL NUMBER. THE SOLE PURPOSE FOR THIS IS TO ESTABLISH LEVELS OF QUALITY AND INDIVIDUAL COMPONENT CAPABILITY FOR ALL EQUIPMENT ITEMS. IT IS NOT THE INTENT OF THE AUDIO AND VIDEO SYSTEM EQUIPMENT LIST TO PRECLUDE THE INSTALLATION OF EQUIPMENT ITEMS FABRICATED BY MANUFACTURERS OTHER THAN THOSE LISTED, SO FAR AS THEY ARE JUDGED TO BE EQUAL TO THOSE EQUIPMENT ITEMS IDENTIFIED IN THE LIST, PROVIDING THEY CAN GUARANTEE COMPATIBILITY WITH THE EXISTING SYSTEMS IN THE BUILDING IF APPLICABLE. THIS GUARANTEE SHALL INCLUDE REPLACEMENT OF EXISTING HEAD-END EQUIPMENT AND OTHER EXISTING DEVICES,COMPONENTS, WIRING AND SOFTWARE, TESTING THE ENTIRE SYSTEM FOR FUNCTIONALITY WHEN COMPLETE AND CORRECTING ALL DEFICIENCIES THROUGHOUT BUILDING(S). OTHER MANUFACTURERS WILL BE CONSIDERED ONLY IF SUBMITTED TO THE ENGINEER IN WRITING AT LEAST 7 DAYS PRIOR TO THE BID OPENING.

GENERAL SHEET NOTES

1. CONDUCT AN RF FREQUENCY AUDIT OF THE SITE PRIOR TO SELECTION OF WIRELESS RF OPERATING FREQUENCIES. SELECT FREQUENCIES TO ASSURE INTERFERENCE FREE OPERATION. INSTALL ANTENNAS/TRANSCEIVERS OUTSIDE OF THE EQUIPMENT RACK. AT AN ARCHITECT APPROVED LOCATION, WHERE THE BEST PERFORMANCE IS ACHIEVED.
2. FILL ALL UNUSED RACK SPACE WITH BLANK/VENT PANELS.
3. INSTALL ALL EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS, SEISMIC CODES, AND INDUSTRY WIDE ACCEPTED RIGGING PRACTICES. SUPPORT EQUIPMENT WEIGHT FROM THE BUILDING STRUCTURE. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.
4. PROVIDE MANUFACTURER RECOMMENDED POWER SUPPLIES, POE INJECTORS AND/OR TRANSFORMERS FOR ALL SPECIFIED EQUIPMENT.
5. FURNISH AND INSTALL ALL CABLE AND CONNECTORS REQUIRED FOR ALL AUDIO AND VIDEO SYSTEMS TO COMPLETE MANUFACTURER RECOMMENDED CABLE TO EQUIPMENT TERMINATION TO FORM A COMPLETE AND FULLY FUNCTIONAL SYSTEMS. SELECT CONNECTORS WHICH PASS FULL BANDWIDTH CAPABILITY OF SPECIFIED CABLE. PROVIDE CABLE TYPES AS IDENTIFIED IN THE AUDIO/VIDEO CABLE SCHEDULE.
6. PROVIDE PATCH CABLES TO FULLY INTERCONNECT ALL SPECIFIED CONNECTION PANELS, SYSTEM INTERFACES AND MISCELLANEOUS EQUIPMENT.
7. PROVIDE MANUFACTURER RECOMMENDED AND INDUSTRY STANDARD, SIGNAL LEVELS AND COMMUNICATION PROTOCOLS THROUGHOUT ENTIRE SYSTEM REGARDLESS OF CABLE LENGTHS. PROVIDE ALL REQUIRED DISTRIBUTION AND PROCESSING EQUIPMENT, INCLUDING BUT NOT LIMITED TO SIGNAL DISTRIBUTION AMPLIFIERS, LINE AMPLIFIERS, LINE DRIVERS, EQUALIZING AMPLIFIERS, GROUND/HUM ISOLATORS, MATCHING/ISOLATION TRANSFORMERS, CONTROL BUS DEVICES, COMMUNICATIONS CONVERTERS, ETC…, WHETHER SHOWN ON THE SINGLE LINE DIAGRAMS OR NOT.
8. PROVIDE POWER, CURRENT, AND/OR SIGNAL SENSORS FOR ALL EQUIPMENT WHERE IT IS NECESSARY FOR CORRECT CONTROL SYSTEM OPERATION.
9. PROVIDE PRE-MANUFACTURED ADAPTER CABLES WHERE REQUIRED FOR MATING CABLE TO CONNECTORS. THESE WILL INCLUDE, BUT ARE NOT LIMITED TO, ADAPTERS WHICH MAY MATE TO HDMI TO DISPLAY PORT, DVI TO HDMI CONNECTORS AND OTHER SIMILAR TERMINATION REQUIREMENT SCALE.
10. PROVIDE RACK MOUNT KITS FOR ALL RACK MOUNTED EQUIPMENT. WHERE MANUFACTURERS DO NOT PROVIDE RACK MOUNT KITS, PROVIDE CUSTOM RACK MOUNT KITS AS SPECIFIED.
11. WHERE ANY CABLE IS INSTALLED IN A FASHION WHERE EXPOSED TO PUBLIC VIEW, INSTALL CABLE INSIDE THE SPECIFIED NYLON LOOM EXPANDABLE SLEEVING. EXAMPLES OF SUCH LOCATIONS INCLUDE, BUT ARE NOT LIMITED TO, EQUIPMENT ITEMS ON LECTERNS AND CEILING MOUNTED PROJECTORS.
12. LOCATE AND INSTALL PROJECTOR AND MOUNT SUCH THAT AN IMAGE SIZE OF 116"X72" IS ACHIEVED. PROVIDE REQUIRED LENS FOR IMAGE SIZE AND THROW DISTANCE SHOWN IN DRAWINGS. PLEASE NOTE THIS MAY REQUIRE USE OF A NON-STANDARD LENS. SET UP PROJECTORS TO OPERATE IN A 16:9 ASPECT RATIO.
13. CONTROL SPECIFIED DEVICES UTILIZING THE MOST SOPHISTICATED COMMUNICATIONS PROTOCOL AVAILABLE ON THE DEVICE TO BE CONTROLLED. ALWAYS USE RS-232 OR ETHERNET WHEN AVAILABLE.
14. IF AN INSTANCE IS ENCOUNTERED WHERE CABLE MUST BE INSTALLED INSIDE OF AN AIR PLENUM, FURNISH THE PLENUM RATED EQUIVALENT TO THE CABLE SPECIFIED.
15. PROVIDE LECTERN EQUIPMENT RACKS WITH THE MAXIMUM VERTICAL HEIGHT THAT WILL FIT IN THE CUSTOM FABRICATED MILLWORK. CONFIRM VERTICAL MILLWORK OPENING WITH THE MILLWORK SHOP DRAWINGS PRIOR TO ORDERING. FIELD CUT RACK RAILS TO FIT IN VERTICAL OPENING IF REQUIRED.
16. PROVIDE POWER SUPPLIES FOR ALL ACTIVE CONNECTION PANELS AND REMOTE CONTROL PANELS. LOCATE POWER SUPPLIES IN EQUIPMENT RACK AND POWER DEVICES REMOTELY.
17. UNLESS OTHERWISE NOTED, SECURE EVERY PIECE OF A/V SYSTEM EQUIPMENT SUCH THAT IT CANNOT BE REMOVED BY UNAUTHORIZED PERSONS. SECURED EQUIPMENT SHALL INCLUDE, BUT IS NOT LIMITED TO, PROJECTORS, TOUCH PANELS, DOCUMENT CAMERAS, CAMERAS, OWNER FURNISHED CPU'S & MONITORS AND ALL EQUIPMENT INSTALLED IN/ON MILLWORK. UTILIZE THE SPECIFIED SECURITY CABLE AND PADDLE LOCK SYSTEM. SUBMIT PROPOSED ADHESIVE MOUNTING LOCATION DURING SUBMITTAL PROCESS. DO NOT SECURE KEYBOARDS AND MICE. ALWAYS USE KENSINGTON LOCKS WHEN PRESENT. IN ADDITION AFFIX ALL RACK MOUNTED EQUIPMENT NOT COVERED BY MILLWORK DOOR W/ TAMPER-PROOF RACK SCREWS.
18. PROVIDE ALL EQUIPMENT, CARDS, MEMORY, HARDWARE AND SOFTWARE TO NETWORK ALL CONTROL SYSTEM PROCESSORS TOGETHER USING THE OWNERS ETHERNET NETWORK. CONNECT EVERY CONTROL SYSTEM PROCESSOR TO THE OWNERS NETWORK AND MAKE FULLY FUNCTIONAL WITH THE EXISTING ROOM MANAGEMENT SYSTEM SOFTWARE PACKAGE.
19. INSTALL THE SPECIFIED DVD PLAYER ON A SHELF INSIDE THE LECTERN, NOT INSIDE THE EQUIPMENT RACK.
20. POPULATE CONTROL SYSTEM CENTRAL PROCESSORS WITH RS-232 AND/OR RELAY OUTPUT CARDS AS REQUIRED TO COMPLY WITH THE CONTROL SYSTEM REQUIREMENTS IDENTIFIED IN THE CONTROL SYSTEM SINGLE LINE DIAGRAMS SHOWN IN THE DRAWINGS & THE PROGRAMMING OUTLINE IN THE SPECIFICATIONS.
21. PROVIDE PERMANENT, MECHANICALLY PRODUCED LABELS ON ALL CABLES NEAR CONNECTORS AND TERMINATION POINTS.
22. DO NOT INSTALL CABLES WITH CHOKES, RIGID JACKETS OR OVERLY LARGE OUTSIDE DIAMETER INSIDE CABLE CUBBY CONNECTION PANEL. INSTALL CABLE CUBBY APPROVED CABLES ONLY.
23. INSTALL THE SPECIFIED CABLE CUBBY FLUSH IN THE HORIZONTAL WORK SURFACE OF ALL LECTERNS.
24. VERY CAREFULLY SUPPORT THE WEIGHT OF ALL HDMI CABLES CONNECTED TO EQUIPMENT USING LOCKIT CABLE LACING BRACKETS AND RACK MOUNTED LACING BARS. PROFESSIONALLY DRESS, LACE AND STRAIN RELIEF CABLES SO THAT NO WEIGHT FROM INDIVIDUAL HDMI CABLES TRANSFERS UNDUE STRESS TO SEATED CONNECTORS.
25. COVER JUNCTION BOXES WITH NO SPECIFIED AV DEVICES WITH BLANK NYLON COVER PLATES. COLOR TO MATCH ELECTRICAL DEVICES.
26. CONNECT ALL SPECIFIED AV EQUIPMENT TO 120 VAC VIA A SPECIFIED TRANSIENT VOLTAGE SURGE SUPPRESSOR INCLUDING ALL MONITORS AND PROJECTORS.
27. SET ALL PLAYBACK DEVICES (DVD, TUNERS, ETC.) TO RGB COLOR RANGE.
28. CONFIRM ALL CONNECTION PANEL LABELS WITH THE OWNER PRIOR TO FABRICATION.
29. SET LIMIT SWITCHES ON ALL PROJECTION SCREENS TO POSITION IMAGES VERTICALLY AS DIRECTED BY THE OWNER. DO NOT LOCATE THE BOTTOM OF PROJECTED IMAGES LOWER THAN 4'-0" AFF.
30. PROGRAM ALL NEW AV DEVICES WITH PASSWORDS WITH A NEW (NON-FACTORY DEFAULT) PASSWORD. PROVIDE A SPREADSHEET TO THE OWNER IDENTIFYING ALL PROGRAMMED PASSWORDS. WORK WITH THE OWNER'S I.T. STAFF TO PROGRAM THE SPECIFIED NETWORK SWITCH WITH SECURITY HARDENING.
31. PROVIDE COMPLETE NETWORK SWITCH CONFIGURATION AND PROGRAMMING SERVICES INCLUDING, BUT NOT LIMITED TO, UPDATING ALL NETWORK SWITCHES TO THE LATEST CODE, CONFIGURING ALL REQUIRED VLANS AND ASSIGNING ALL IP ADDRESS SCHEMES FOR SUBNET MASK GATEWAY AND DEVICE IP ADDRESS ASSIGNMENT. COORDINATE WITH THE OWNER'S NETWORK STAFF FOR ALL IP ADDRESS SCHEME.

AV SYSTEMS SHEET INDEX

TA001	SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
TA002	AV SYSTEMS EQUIPMENT SCHEDULE
TA101	LEVEL 1 AUDIO VISUAL SYSTEMS PLAN
TA601	AUDIO VISUAL SYSTEMS DETAILS
TA602	AV SYSTEMS CONNECTION PANEL DETAILS

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED" AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

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UTAH VALLEY SPORTS PERFORMANCE CENTER

SEAL & SIGNATURE

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NO.	DESCRIPTION	DAT

HKS PROJECT NUMBER
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DATE
8/26/2026

ISSUE
DESIGN DEVELOPMEN

SHEET TITLE
SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES

SHEET NO.
TA001

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AV SYSTEMS EQUIPMENT LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE ELECTRONIC SYSTEMS INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTES: A/R = AS REQUIRED OFP = OBTAIN FROM PLANS OFI = OWNER FURNISHED AND INSTALLED

SYMBOL	DESCRIPTION	QTY	ACCEPTABLE TYPES (SEE SPECIAL NOTE #1)
CP#	CONNECTION PANEL #1 & #7, W/ WALL PLATE	OFP	CUSTOM, SEE DETAIL
CP2 (PLAN SYMBOL) CP2 (SINGLE LINE SYMBOL)	CONNECTION PANEL #2, HDBT TRANSMITTER W/ WALL/ POKE THRU PLATE, ARCHITECT TO SELECT COLOR	OFP	CUSTOM, SEE DETAIL
CP#	CONNECTION PANEL #3 & #5, LINE INPUT W/ BALANCING TRANSFORMER AND MISCELANEOUS CONNECTORS W/ WALL PLATE, ARCHITECT TO SELECT COLOR	OFP	RADIO DESIGN LABS DX-CIJ3 AND SPECIFIED CONNECTORS, SEE DETAIL
CP4	CONNECTION PANEL #4, BLUETOOTH RECEIVER, WALL MOUNTED W/ RACK MOUNTED RECEIVER AND WALL PLATE, ARCHITECT TO SELECT COLOR	OFP	RADIO DESIGN LABS D-BT1A W/ TX-TPR3A RECEIVER AND WALL PLATE
	USB POWER MODULE WITH POWER SUPPLY	OFP	EXTRON 311 MAAP W/ POWER SUPPLY AND WALL PLATE
CP6	CONNECTION PANEL #6, TABLE TOP W/ PULL OUT PATCH CORDS AND POWER/USB CHARGING MODULES, ARCHITECT TO SELECT COLOR	OFP	EXTRON CABLE CUBBY 1202 W/ EXTRON APPROVED PULL OUT PATCH CORDS, SEE DETAIL
	USB POWER MODULE WITH POWER SUPPLY	A/R	EXTRON CABLE AC+USB 314 US
CP#	CONNECTION PANEL #8 & #9, HDBT TRANSMITTER, USB RECEIVER AND MISCELANEOUS CONNECTORS W/ WALL PLATE, ARCHITECT TO SELECT COLOR	OFP	EXTRON ????? / EXTRON USB EXTENDER Plus D T AND SPECIFIED CONNECTORS, SEE DETAIL
CP#	CONNECTION PANEL, TABLE TOP W/ PULL OUT PATCH CORDS AND POWER/USB CHARGING MODULES, ARCHITECT TO SELECT COLOR	OFP	EXTRON CABLE CUBBY 1402 W/ EXTRON APPROVED PULL OUT PATCH CORDS, SEE DETAIL
		A/R	EXTRON CABLE AC+USB 314 US
	EQUIPMENT RACK, 30 RU, PULL OUT AND PIVOTING w/ 1 RU FAN TRAY, 3 FANS, 207 CFM	OFP	MIDDLE ATLANTIC SRSR-4-30 / FTA-3
	AUDIO DANTE LAN SWITCH, PROVIDE QUANTITIES AS REQUIRED BY THE INSTALLED DSP	A/R	CISCO CATALAIST 3750 SERIES
	NYLON LOOM, EXPANDABLE SLEEVING	A/R	TECH FLEX, PANDUIT
	EQUIPMENT RACK, 45 RU, 27" DEEP, FLOOR STANDING W/ SIDE PANELS, FRONT AND REAR DOORS, INTEGRATED FAN TOP AND CONTROLLER, SEISMIC BRACKETS, REAR RACK RAILS, VERTICAL POWER DISTRIBUTION, TEMPERATURE PROBE AND TEMPERATURE DISPLAY	OFP	MIDDLE ATLANTIC BGR-4527/BSPN-45-27/BVFD-45/BGR-276FT-FC/BGR-Z4/BGR-RR45/PD-2420SC-NS/T1P
	EQUIPMENT RACK, 45 RU, 27" DEEP, FLOOR STANDING W/ SIDE PANELS, FRONT AND REAR DOORS, INTEGRATED FAN TOP AND CONTROLLER, SEISMIC BRACKETS, REAR RACK RAILS, VERTICAL POWER DISTRIBUTION, TEMPERATURE PROBE AND TEMPERATURE DISPLAY	OFP	MIDDLE ATLANTIC DRK
	LADDER RACK, 12", WITH ALL REQUIRED ACCESSORIES, INCLUDING, BUT NOT LIMTIED TO CEILING MOUNT BRACKETS, WALL MOUNT BRACKETS, CENTER SUPPORT BRACKETS, SPLICE KITS, END CAPS, FASTENERS, ETC...	OFP	MIDDLE ATLANTIC CLB-10 / CLH-5/8CHK / CLH-WRS-W12-W24 / CLB-CSB / CLH-RSJ / CLH-EC-12
VDS/NS	VIDEO DISTRIBUTION SYSTEM W/ NETWORK SWITCHES, 8-PORT, 24-PORT	OFP	QSC NS10-720++ / NS26-1440++
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR, 20A, FOR RACKS	A/R	TRIPP LITE IBAR 12-20 ULTRA
	TRANSIENT VOLTAGE SURGE SUPPRESSOR, 15A, FOR PROJECTORS AND FLAT PANEL MONITORS	A/R	TRIPP LITE ISOBAR 6 ULTRA/4 ULTRA
ENC	ENCODER, DECODER W/ POE++ INJECTORS	OFP	QSC NV-32-H
DEC	IN-LINE POE++ INJECTOR W/ RACK MOUNT KIT	A/R	PHI HONG POE 90U-1BT-2-R/MIDDLE ATLANTIC U2V
TUN	TUNER, TELEVISION	OFP	CONTEMPORARY RESEARCH 232-ATSC 4K HDTV TUNER
WVS	WIRELESS VIDEO SYSTEM	OFP	AIR SERVER CONNECT
WP	WINDOWING PROCESSOR, 4-WINDOW	OFP	EXTRON MGP 641
TP10	TOUCH PANEL, APPROX. 10", 1080P W/ TABLE TOP STAND	OFP	QSC TSC-101-G3 / TABLE TOP MOUNT ACCESSORY
	TOUCH PANEL, APPROX. 10" WALL MOUNT BRACKET AT 4 RU RACK PANEL	OFP	QSC TSC-101-G3 / WALL MOUNT OPTION / MIDDLE ATLANTIC APM-4
CS	CONTROL SYSTEM PROCESSOR	A/R	QSC Q-SYS UCI-EDITOR/SCRIPTING ENGINE
		A/R	QSC QIO-IR1X4 / QIO-GP8X8 / QIO-S4
NS	NETWORK SWITCH	A/R	CISCO CATALIST 3750 SERIES
DSP TSI DAN NS	DIGITAL PROCESSOR W/ TELEPHONE SYSTEM INTERFACE, DANTE CARDS/HARDWARE, AND DANTE NETWORK SWITCH W/ SOFTWARE LICENSE FOR ADDITIONAL SOFTWARE-BASED DANTE CHANNELS	OFP	QSC Q-SYS CORE 510i/CIML4/COL4/CND64/I/O-8FLEX WITH SOFTWARE LICENSE FOR ADDITIONAL SOFTWARE-BASED DANTE CHANNELS
		A/R	QSC NS10-720++ / NS26-1440++
EP	ASSISTED LISTEN SYSTEM, ARCHITECT TO SELECT COLOR W/ RECEIVERS, HEADPHONES AND NECKLOOPS	OFP	LISTEN LA-140-XX/LT-82-01/LA-236
MOD		?	LISTEN LR-5200-IR/LA-430/LA-402/LA381/LA382
	CAMERA, PTZ, 1080P, 30X ZOOM W/ WALL MOUNT BRACKET AND ACTIVE HDMI EXTENSION CABLE	OFP	LUMENS VC-A50P / VC-WM12 / CAB-AOCH-XL
CC	CAMERA CONTROLLER	OFP	LUMENS VS-KB30
CRX	CAMERA, PTZ, 4K UHD W/ CEILING MOUNT BRACKET AND CAMERA RECEIVER	OFP	VADDIO ROBOSHOT 20UHD ONE LINK BRIDGE
	POWER AMPLIFIER, 4 CHANNEL, 600 WATTS PER CHANNEL	OFP	CROWN DCI 4/600
	POWER AMPLIFIER, 2 CHANNEL, 600 WATTS PER CHANNEL	OFP	CROWN DCI 2/600
	POWER AMPLIFIER, 2 CHANNEL, 300 WATTS PER CHANNEL	OFP	CROWN DCI 2/300
	POWER AMPLIFIER, 1 CHANNEL	OFP	EXTRON XPA 2001
S1	SPEAKER, RECESSED, 70V W/ TRANSFORMER & GRILL	OFP	ATLAS SOUND FA136T87 / FA-720-6
S2	SPEAKER, RECESSED, 70V W/ TRANSFORMER & GRILL	OFP	ATLAS SOUND FA136T87 / FA-720-6
M#	MONITOR, 98", 4K, NARROW BEZEL W/ RS-232 CONTROL	OFP	SAMSUNG QM98T
	MONITOR, 65", 4K, NARROW BEZEL W/ RS-232 CONTROL	OFP	SAMSUNG QM65R
	MONITOR MOUNT BRACKET, DUAL SWING AR WITH ALL REQUIRED STRUCTURAL BACKING AND FASTENERS	OFP	CHIEF PDRUB W/ ALL REQUIRED MOUNTING ACCESSORIES (FOR 98" MONITOR)
			CHIEF TS525TU W/ ALL REQUIRED MOUNTING ACCESSORIES (FOR 65" MONITOR)
	PROJECTOR, W/ LENS, 16:10, NATIVE 1920 X 1200, LUMENS LASER LIGHT ENGINE W/ NETWORK CONNECTIVITY AND NETWORK SOFTWARE	OFP	PANASONIC CHIEF CMS440 SERIES & RPA SERIES W/ALL REQUIRED ACCESSORIES (LAY-IN TILE CEILINGS)
	PROJECTOR CEILING MOUNT KIT, PROVIDE PIPE, COUPLERS, STEEL, ADAPTORS, UNISTRUT, THREADED ROD, FASTENERS, ANCHORS, AND ANY OTHER REQUIRED COMPONENTS TO SPAN STRUCTURE, AIR DUCTS, EXTEND/REDUCE SUPPORT SYSTEM FOR APPROPRIATE ELEVATION AS NEEDED FOR INSTALLATION OF THE SPECIFIED DEVICE. SECURE PROJECTORS TO MOUNTS UTILIZING SECURITY SCREWS.	OFP	
	PROJECTOR LIFT, 3-POSITION (STORE, SHOW & MANTENANCE), 10' DROP, W/ PLENUM ENCLOSURE	OFP	DISPLAY DEVICES
	ALL REQUIRED MOUNTING EQUIPMENT, INCLUDING, BUT NOT LIMITED TO PIPE, COUPLERS, STEEL, ADAPTORS, UNISTRUT, THREADED ROD, FASTENERS, ANCHORS AND ANY OTHER REQUIRED COMPONENTS TO SPAN STRUCTURE, AIR DUCTS, EXTEND/REDUCT SUPPORT SYSTEM FOR APPROPRIATE ELEVATION AS NEEDED FOR INSTALLATION OF THE SPECIFIED DEVICE. SUPPORT THE WEIGHT OF THE ENTIRE ASSEMBLY FROM THE BUILDING STRUCTURE.	A/R	
UD	PROJECTION SCREEN, ELECTRIC ROLL-UP, 16:9, W/LOW VOLTAGE CONTROL INTERFACE, CONTROL SWITCH, 24" OF BLACK DROP, TENSION CABLES, & HD PROGRESSIVE PROJECTION SURFACE. REFER TO DISPLAY DEVICE SCHEDULE FOR REQUIRED IMAGE SIZES.	OFP	DALITE TENSIONED ADVANTAGE SERIES
	ALL REQUIRED MOUNTING EQUIPMENT, INCLUDING, BUT NOT LIMITED TO PIPE, COUPLERS, STEEL, ADAPTORS, UNISTRUT, THREADED ROD, FASTENERS, ANCHORS AND ANY OTHER REQUIRED COMPONENTS TO SPAN STRUCTURE, AIR DUCTS, EXTEND/REDUCT SUPPORT SYSTEM FOR APPROPRIATE ELEVATION AS NEEDED FOR INSTALLATION OF THE SPECIFIED DEVICE. SUPPORT THE WEIGHT OF THE ENTIRE ASSEMBLY FROM THE BUILDING STRUCTURE.	A/R	

AV SYSTEMS EQUIPMENT LIST (CONT.)

SYMBOL	DESCRIPTION	QTY	ACCEPTABLE TYPES (SEE SPECIAL NOTE #1)
UPS	UNINTERRUPTABLE POWER SUPPLY, RACK MOUNTABLE, 1650 WATT CAPACITY W/ RS-232 AND IP	OFP	MIDDLE ATLANTIC UPS-2200R-IP
	AV CABLE	A/R	SEE AV CABLE SCHEDULE THIS SHEET
	SLIDE-OUT RACK SHELF, 1 RU, STEEL	1	MIDDLE ATLANTIC SS
HRX	HDBT RECEIVER, NON-SCALING, W/ MOUNTING BRACKETS	OFP	EXTRON DTP2 R 211 / MBU 125
	RACK RAIL RECESSOR BRACKET	A/R	MIDDLE ATLANTIC RR2-3RCN
CNV	CONVERTER, USB-C TO HDMI, W/ MOUNTING BRACKETS	OFP	EXTRON USB-C HD 101 / MBU 123
	UMBILICAL CORDS & PATCH CABLES	A/R	
M	MICROPHONE, ACTIVE, STEERABLE ARRAY, CEILING MOUNTED, w/ ALL REQUIRED MOUNTING EQUIPMENT TO INSTALL THE MICROPHONE IN SPECIFIED CEILING TYPE, AND TO SUPPORT THE ENTIRE WEIGHT OF THE MICROPHONE FROM THE BUILDING STRUCTURE	OFP	SHURE MXA920
			SENNHEISER TeamConnect 2
URX	USB RECEIVER, 2.0	OFP	EXTRON USB EXTENDER Plus R
UBG	USB SCALING BRIDGE	OFP	EXTRON MEDIA PORT 200

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Intermountain Health

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NO.	DESCRIPTION	DAT

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ISSUE
DESIGN DEVELOPMEN

SHEET TITLE
AV SYSTEMS EQUIPMENT SCHEDUL

SHEET NO.
TA002

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AV CONNECTION PANEL GENERAL NOTES

1. FABRICATE CONNECTION PANELS FROM POWDER COATED STEEL OR ANODIZED ALUMINUM IN STANDARD GANG SIZES UNLESS NOTED OTHERWISE IN DETAILS. ARCHITECT / OWNER TO SELECT COLOR.
2. LABEL ALL CONNECTORS AS DETAILED WITH ENGRAVED TEXT FILLED WITH A CONTRASTING COLOR.

AV CONNECTOR LEGEND

NOTE: NOT ALL CONNECTORS MAY BE USED

SYMBOL	DESCRIPTION
	XLR CHASSIS CONNECTOR, 3-PIN / .25TRS COMBO
	XLR CHASSIS CONNECTOR, 3-PIN FEMALE
	XLR CHASSIS CONNECTOR, 3-PIN MALE
	XLR CHASSIS CONNECTOR, 4-PIN FEMALE
	XLR CHASSIS CONNECTOR, 4-PIN MALE
	XLR CHASSIS CONNECTOR, 5-PIN FEMALE
	XLR CHASSIS CONNECTOR, 5-PIN MALE
	XLR CHASSIS CONNECTOR, 6-PIN FEMALE
	XLR CHASSIS CONNECTOR, 6-PIN MALE
	XLR CHASSIS CONNECTOR, 7-PIN FEMALE
	XLR CHASSIS CONNECTOR, 7-PIN MALE
	XLR CHASSIS CONNECTOR, BNC
	XLR CHASSIS CONNECTOR, RJ-45, CATEGORY 6
	XLR CHASSIS CONNECTOR, RJ-45, CATEGORY 6
	XLR CHASSIS CONNECTOR, LC2 DUBLEX FIBER
	.25 TRS CONNECTOR
	.125 TRS CONNECTOR
	.125 TRS CONNECTOR W/ INTEGRATED BALANCING TRANSFORMER SUCH AS QUANTUM 002520-V2 (BEHIND PLATE)
	BNC CONNECTOR
	HDMI CONNECTOR
	RCA CONNECTOR
	CATEGORY 6, RJ-45 CONNECTOR
	SHIELDED CATEGORY 6, RJ-45 CONNECTOR
	USB-A CONNECTOR
	USB-B CONNECTOR
	USB-C CONNECTOR
	GROMMETED OPENING
	CRESTRON DM-TX-4KX-100-C-1G-B-T, IN DECORA FORMAT, ARCHITECT TO SELECT COLOR
	EXTRON DTP T HWP 4K 231 D, IN DECORA FORMAT, ARCHITECT TO SELECT COLOR
	HDBT TRANSMITTER, IN DECORA FORMAT, ARCHITECT TO SELECT COLOR
	BLUETOOTH AUDIO INPUT w/SINGLE BUTTON PAIRING AND CUSTOMIZABLE MODULE ID NAME IN DECORA FORMAT, ARCHITECT TO SELECT COLOR
	CONSUMER AUDIO INPUT, STEREO TO MONO, UNBALANCED TO BALANCED CONVERSION, TRANSFORMER ISOLATED, HUM CANCELLATION, PASSIVE IN DECORA FORMAT, ARCHITECT TO SELECT COLOR
	ROL DS-3SM, IN DECORA FORMAT, ARCHITECT TO SELECT COLOR
	USB CHARGING MODULE: USB TYPE A AND USB TYPE C w/ POWER SUPPLY
	EXTRON XTP T UWP 202 4K, IN DECORA FORMAT, ARCHITECT TO SELECT COLOR
	CRESTRON DM-TX-200-C-2G, IN DECORA FORMAT, ARCHITECT TO SELECT COLOR

UPDATE LEGEND WITH USED DECORA CONNECTORS, REMOVE UNUSED, REMOVE HATCH

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SHEET TITLE
AV SYSTEMS CONNECTION PANEL DETAILS

SHEET NO.
TA602

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WIRING SCHEDULE

FUNCTION	< 500'	< 1000'	1000'-3000'	> 3000'
ADDRESSABLE LOOP	#18 TSP	#18 TSP	#16 TSP	#14 TSP
POWER LOOP	#14 THWN	#14 THWN	#12 THWN	#10 THWN
SPARE LOOP	#14 THWN	#14 THWN	#12 THWN	#10 THWN
STROBE HORNS	#14 THWN	#14 THWN	#12 THWN	#10 THWN
MAGNETIC DOOR HOLDER	#12 THWN	#10 THWN		
SPEAKERS	#16 TSP	#16 TSP	#14 TSP	#14 TSP

NOTIFICATION SCHEDULE

SYMBOL	STROBE SIZE	COVERAGE	AVERAGE CURRENT	MAXIMUM PER CIRCUIT ALONE
15	15 CD	20'x20'	.085A	17
30	30 CD	30'x30'	.135A	11
75	75 CD	40'x40'	.200A	7
110	110 CD	50'x50'	.225A	6

NOTIFICATION SCHEDULE

SYMBOL	STROBE SIZE	COVERAGE	AVERAGE CURRENT	MAXIMUM PER CIRCUIT ALONE
15	15 CD	20'x20'	.060A	25
30	30 CD	30'x30'	.083A	18
75	75 CD	40'x40'	.136A	11
110	110 CD	50'x50'	.179A	8
135	135 CD	60'x60'	.225A	4

FIRE ALARM INPUT/OUTPUT MATRIX

INITIATING DEVICES

	ZONE	OUTPUT DEVICES															
		GENERAL ALARM	DOOR HOLDER/CLOSERS	ELEVATOR RECALL MAIN LEVEL	ELEVATOR RECALL ALTERNATE LEVEL	FAN SHUTDOWN	FIRE DAMPER	MAIN LEVEL ELEVATOR DOORS HOLD OPENS	2ND LEVEL ELEVATOR DOORS HOLD OPENS	3RD LEVEL ELEVATOR DOORS HOLD OPENS	4TH LEVEL ELEVATOR DOORS HOLD OPENS	5TH LEVEL ELEVATOR DOORS HOLD OPENS	ELEVATOR SHUNT TRIP				NOTES
1	MAIN FLOW	o															
2	MAIN TAMPER																
3	MAIN LEVEL FLOW																
4	MAIN LEVEL TAMPER																
5	2ND LEVEL FLOW																
6	2ND LEVEL TAMPER																
7	3RD LEVEL FLOW																
8	3RD LEVEL TAMPER																
9	4TH LEVEL FLOW																
10	4TH LEVEL TAMPER																
11	5TH LEVEL FLOW																
12	5TH LEVEL TAMPER																
13	PENTHOUSE FLOW																
14	PENTHOUSE TAMPER																
15	MAIN LEVEL INITIATING LOOP																
16	MAIN LEVEL ELEVATOR DETECTOR																
17	MAIN LEVEL DUCT DETECTOR																
18	2ND LEVEL INITIATING LOOP																
19	2ND LEVEL ELEVATOR DETECTOR																
20	2ND LEVEL DUCT DETECTOR																
21	3RD LEVEL INITIATING LOOP																
22	3RD LEVEL ELEVATOR DETECTOR																
23	3RD LEVEL DUCT DETECTOR																
24	4TH LEVEL INITIATING LOOP																
25	4TH LEVEL ELEVATOR DETECTOR																
26	4TH LEVEL DUCT DETECTOR																
27	5TH LEVEL INITIATING LOOP																
28	5TH LEVEL ELEVATOR DETECTOR																
29	5TH LEVEL DUCT DETECTOR																
30	PENTHOUSE LEVEL INITIATING LOOP																
31	PENTHOUSE LEVEL ELEVATOR DETECTOR																
32	PENTHOUSE LEVEL DUCT DETECTOR																
33	FIRE PUMP RUNNING																
34	FIRE PUMP LOSS OF POWER																
35	FIRE PUMP PHASE REVERSAL																
36	ELEVATOR SPRINKLER HEAT DETECTORS																

GENERAL SHEET NOTES

1. PLANS ARE BASED UPON 99 MONITOR AND CONTROL DEVICES PER ADDRESSABLE LOOP. OTHER CONFIGURATIONS ARE ACCEPTABLE SUBJECT TO CONTRACTOR ALLOWING FOR INCREASED WIRING REQUIREMENTS AND SUBMITTAL DRAWINGS SHOWING NEW WIRING CONFIGURATION. MAXIMUM INITIAL DEVICES PER LOOP SHALL NOT EXCEED 75% MAXIMUM ALLOWABLE.
2. PLANS ARE BASED UPON THE WIRING SCHEDULE SHOWN. WHERE MANUFACTURER'S REQUIREMENTS EXCEED REQUIREMENTS SHOWN, INCLUDE ADDITIONAL ASSOCIATED COSTS AND SUBMITTAL DRAWINGS INDICATING NEW WIRING CONFIGURATION.
3. PLANS ARE BASED UPON 2 AMPS AT 24 VDC, NOT TO EXCEED 75% (1.50 AMPS AVAILABLE), POWER SUPPLY CAPACITY PER NOTIFICATION CIRCUIT. NOTIFICATION DEVICE LOADS ARE BASED UPON NOTIFICATION DEVICE SCHEDULE SHOWN. INCLUDE ADDITIONAL ASSOCIATED COSTS FOR INCREASED WIRING AND POWER SUPPLY CAPACITY IF LOADS OF ACTUAL DEVICES PROVIDED EXCEED CIRCUIT CAPACITY, OR IF LOAD OUTPUT OF ACTUAL POWER SUPPLIES PROVIDED IS SIZED DIFFERENTLY. PROVIDE SUBMITTAL DRAWINGS SHOWING NEW WIRING CONFIGURATION.
4. FLOW AND TAMPER CONFIGURATION BASED UPON FIRE SPRINKLER DESIGN CONCEPT. FIELD VERIFY ACTUAL REQUIREMENTS. INCLUDE ANY ADDITIONAL MONITOR MODULES REQUIRED BY ACTUAL DESIGN REQUIREMENTS.
5. HEAT DETECTORS WHEN INSTALLED IN ELEVATOR SHAFTS OR MECHANICAL ROOMS FOR ELEVATOR SHUT DOWN SHALL HAVE HEAT DETECTOR WITH LOWER RESPONSE TIME INDEX THAN SPRINKLER HEAD.
6. PROVIDE POWER SUPPLY CAPACITY AS REQUIRED FOR DOOR HOLD OPENS SHOWN.
7. BATTERY CAPACITY TO BE ADEQUATE TO OPERATE 15 MINUTES AFTER 24 HOURS PLUS 25% SPARE CAPACITY.
8. VFD REQUIRES TWO RELAYS, ONE FOR SMOKE CONTROL, ONE SPARE.
9. RUN SPARE LOOPS IN SAME CONDUIT. DO NOT EXCEED 40% AREA FILL OF CONDUITS.
10. PROVIDE DUCT DETECTORS FOR SUPPLY AND RETURN AIR SYSTEMS OVER 2000 CFM. INSTALL DUCT DETECTORS PER NFPA 72 REQUIREMENTS AND PROVIDE ADDITIONAL DUCT DETECTORS DEPENDING UPON FINAL DUCT ARRANGEMENT.
11. PROVIDE DUCT DETECTOR AT EACH FLOOR, PRIOR TO CONNECTION TO A COMMON RETURN AND PRIOR TO RECIRCULATING OR FRESH AIR INLET IN AIR RETURN SYSTEMS OVER 15,000 CFM CAPACITY AND SERVING MORE THAN ONE STORY.
12. PROVIDE MANUAL PULL STATIONS IN BOILER ROOMS AND KITCHENS.
13. PROVIDE ONE YEAR OFF SITE MONITORING INCLUDING ALL INTERFACE DEVICES AND MONITORING CHARGES. COORDINATE WITH BUILDING OWNER'S OFF SITE MONITORING COMPANY.
14. LOCATE SMOKE DETECTORS MINIMUM 3' FROM AIR SUPPLY AND RETURN LOUVERS.
15. PROVIDE SYNCHRONIZED STROBES THROUGHOUT FACILITY. PROVIDE SYNCHRONIZATION MODULES PER MANUFACTURER'S REQUIREMENTS. INCLUDE ADDITIONAL WIRING, IF REQUIRED.
16. INITIATING AND INDICATING LOOPS SHALL NOT SERVE AN AREA OF GREATER THAN 22,500 SQUARE FEET. PROVIDE ADDITIONAL LOOPS FOR AREAS LARGER THAN THIS.
17. ALL OUTPUT DEVICES ARE DESIGNED ON SYSTEMS WITH 2 AMP POWER SUPPLY.
18. HORN/STROBE BASED ON 120 MILLIAMPS, DOOR HOLDERS BASED ON 70 MILLIAMPS.

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FIRE ALARM RISER DIAGRAMS

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