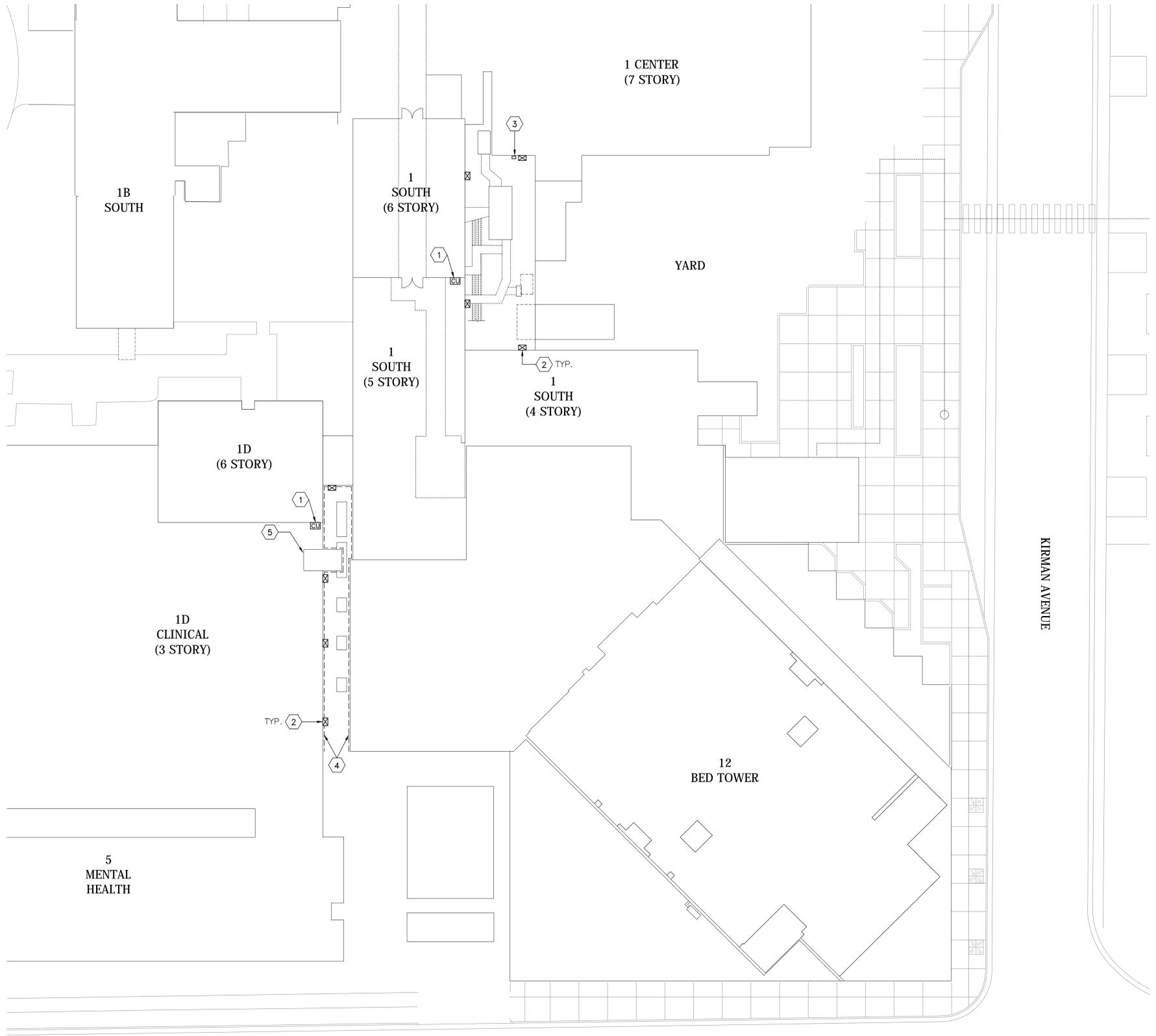


GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE WATERPROOF BIRD REPELLENT SOUND SYSTEMS COMPLETE WITH ALL NEMA RATED POWER CONNECTIONS, SWITCHES, CONDUITS AND WIRING INSTALLED PER SYSTEMS MFR INSTRUCTIONS.
2. CORDS FOR SPEAKERS SHALL RUN IN A WAY THAT DOES NOT CREATE AN UNSIGHTLY EXTERIOR APPEARANCE. COORDINATE CORD RUNS WITH THE VA BEFORE COMMENCING WORK. DANGLING, SAGGING AND/OR SUSPENDED CORDS ARE NOT ACCEPTABLE. SPACE CORD SUPPORT FASTENERS AS CLOSE AS REQUIRED TO ACHIEVE STRAIGHT HORIZONTAL (LEVEL) AND VERTICAL (PLUMB) RUNS.
3. PAINT ALL SUPPORTS FOR SOUND SYSTEM AND SPEAKERS TO MATCH EXISTING EXTERIOR WALL COLOR.
4. COORDINATE SPACING OF SPEAKERS WITH MANUFACTURER TO ACHIEVE MAXIMUM EFFECTIVENESS.
5. CONDUCT ALL TESTS AND TRAIN VA PERSONNEL IN THE OPERATION OF EACH SYSTEM.
6. ALL CONTROL UNITS AND SPEAKERS SHALL BE PROTECTED FROM RAIN AND SNOW BY BIRD SLOPES. SEE SHEET AS401 FOR DETAILS.
7. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL EQUIPMENT, SCAFFOLDING, SITE SECURITY, WORK AREA SAFETY MEASURES, AND PROTECTIVE GEAR FOR THE SAFE AND SECURE ACCESS TO OPERATION WITHIN THE WORK AREAS BY AUTHORIZED AND QUALIFIED PERSONNEL.
8. A/E IS NOT RESPONSIBLE FOR ANY WARRANTY OR FOR EQUIPMENT CAPABILITIES OR PERFORMANCE STATEMENTS BY EQUIPMENT MANUFACTURER.

SHEET NOTES

- 1 PROVIDE BIRD REPELLENT SOUND SYSTEM. MOUNT CONTROL UNIT 3'-0" ABOVE ROOF ON EXTERIOR FACE OF BUILDING WALL WITH MOUNTING SYSTEM PROVIDED BY MFR. SEE DETAIL 2/AS401.
- 2 PROVIDE (4) SPEAKERS MOUNTED ON EXTERIOR WALL WITHIN 2 FEET FROM TOP OF PARAPET WITH FASTENERS AS RECOMMENDED BY MFR. SPACE AS RECOMMENDED BY SOUND SYSTEM MANUFACTURER. MOUNT SPEAKERS AT A 30 DEGREE ANGLE FROM VERTICAL POINTING DOWN. SEE DETAIL 1/AS401.
- 3 PROVIDE BIRD SLOPE OVER DISCONNECT SWITCH SIM. TO DETAIL 2/AS401.
- 4 INSTALL VINYL BIRD SLOPES AT ANY WINDOW AND BUILDING LEDGES ALONG EXTERIOR WALLS (AT ALL STORIES) FOR BUILDINGS 1 SOUTH, 12 AND 1D WHERE ELECTRIC WIRES OR ELECTRIC TRACKS ARE EITHER MISSING OR NOT FUNCTIONING PROPERLY. DISCARD NON-FUNCTIONING WIRES OR TRACKS. SIZE BIRD SLOPE TO FIT SIZE OF LEDGE. SEE DETAIL 3/AS401.
- 5 INSTALL VINYL BIRD SLOPES AT ALL HVAC DUCT LEDGES (AT ALL STORIES) WHERE THEY OCCUR. SIZE BIRD SLOPES TO FIT SIZE OF LEDGE. SEE DETAIL 4/AS401.



three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 one quarter inch = one foot
 three eighths inch = one foot
 one eighth inch = one foot

BIRD REJECTION PLAN
SCALE: 1/16" = 1'-0"



CONSULTANTS:

ARCHITECT/ENGINEERS:



K F DAVIS ENGINEERING, INC.
530 LA GONDA WAY, SUITE E,
DANVILLE, CA. 94526
WWW.KFDE.COM
(925) 743-8884

Drawing Title
BIRD REJECTION PLAN

Project Title
**BUILDING 1 AND 1D
BIRD REJECTION**

Project Number
654-15-560

Building Number
BLDG 1 AND 1D

Drawing Number
AS301

**Office of
Construction and
Facilities
Management**



Location **VA HEALTHCARE CENTER
RENO, NEVADA**

Date **07/15/2016** Checked **JA** Drawn **RMK**

Dwg. 5 of 8

LEGEND

CIRCUITING

— CONDUIT OR WIRE RUN EXPOSED OR ABOVE THE CEILING

● CONDUIT/WIRE TURN DOWN
○ CONDUIT/WIRE TURN UP

PHASE CONDUCTOR
NEUTRAL
GROUND
A-1,3
BRANCH CIRCUIT HOMERUN TO PANELBOARD; LETTER AND NUMBER NOTATION IDENTIFIES PANEL AND CIRCUIT NUMBER(S). HASHMARKS INDICATES NUMBER OF PHASE, NEUTRAL AND GREEN GROUND WIRES

— GRAY LINE OR THIN LINE INDICATES EXISTING EQUIPMENT AND CIRCUITS

— BOLD THICK LINE INDICATES NEW WORK EQUIPMENT AND CIRCUITS

① SHEET NOTE REFERENCE

1 DETAIL NUMBER

EPXXX DRAWING NUMBER ON WHICH DETAIL IS DRAWN

POWER AND DISTRIBUTION

EP ELECTRICAL PANEL

RECEPTACLES

GFCI WP DUPLEX RECEPTACLE, NEMA 5-20R, GROUNDING TYPE WITH GROUND FAULT INTERRUPTER (GFCI) IN WEATHER PROTECTED NEMA 3-R ENCLOSURE

- RECEPTACLE SUFFIX OF:
GFCI - GROUND FAULT CIRCUIT INTERRUPTER
WP - WEATHER PROTECTED (NEMA 3R) ENCLOSURE

PANELBOARD, SWITCHBOARD AND RELATED (CONT.)

Electric Panelboard, Flush Mounted

Electric Panelboard, Surface Mounted

INSTRUMENTATION

CU CONTROL UNIT

SP SPEAKER

ELECTRICAL ABBREVIATIONS:

A/AMP	AMPERE	N/A	NOT APPLICABLE
AFF	ABOVE FINISHED FLOOR	NEC	NATIONAL ELECTRICAL CODE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
AWG	AMERICAN WIRE GAUGE	NO.	NUMBER
		NTS	NOT TO SCALE
BLDG	BUILDING	O.L.	OVERLOAD
C	CONDUIT		
C.B.	CIRCUIT BREAKER		
CLG	CEILING	P	POLE
COTR/COR	CONTRACTING OFFICER TECHNICAL REPRESENTATIVE	PNL	PANEL
CKT	CIRCUIT	PH / ∅	PHASE
CU	COPPER	PWR	POWER
		RECEPT	RECEPTACLE
		RGS	RIGID GALVANIZED STEEL
DWG	DRAWING	RM	ROOM
ELECT	ELECTRIC	SCHED	SCHEDULE
ELEV	ELEVATION	ST	STREET
EQUIP	EQUIPMENT	SW	SWITCH
EXIST	EXISTING		
FT	FOOT, FEET	TERM	TERMINAL
FLR	FLOOR	THRU	THROUGH
		TWP	TWISTED WIRE PAIR, SHIELDED
GALV	GALVANIZED	TYP	TYPICAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UBC	UNIFORM BUILDING CODE
GND	GROUND	UL	UNDERWRITERS LABORATORIES
GOV	GOVERNMENT	UNK	UNKNOWN
GRN	GREEN	UON	UNLESS OTHERWISE NOTED
		V	VOLT
HT	HEIGHT	VA	VOLT AMPS
Hz	HERTZ	VAMC	VETERANS AFFAIRS MEDICAL CENTER
J.B.	JUNCTION BOX		
		W	WIRE
LOC	LOCATION	WP	WEATHERPROOF
MAX	MAXIMUM		
MECH	MECHANICAL	XFMR	TRANSFORMER
MIN	MINIMUM		
MISC	MISCELLANEOUS	+12" A.F.F.	MOUNTING HEIGHT ABOVE FINISHED FLOOR OR GRADE
MTD	MOUNTED		
MTG	MOUNTING		

GENERAL NOTES

- DRAWINGS SHOWN ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS AND ENSURE SHOP DRAWINGS ARE PROVIDED BEFORE DETAILING COMPLETE UTILITY LAYOUT AND INSTALLATION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ROUTE NEW CONDUITS, WIRES AND SIMILAR LINES TO AVOID POTENTIAL INTERFERENCES, AND WHERE THIS CANNOT BE ACCOMPLISHED, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REMOVE, REROUTE, ADJUST AND REINSTALL THE INTERFERENCE SUCH THAT IT NO LONGER POSES A PROBLEM. THESE ITEMS ARE TO BE ADDRESSED AND CORRECTED AT NO ADDITIONAL COST TO THE GOVERNMENT.
- THE CONTRACTOR SHALL PAY FOR AND OBTAIN ALL PERMITS, APPROVALS AND LICENSES REQUIRED FROM REGULATING AGENCIES BEFORE STARTING ANY WORK. ALL ASSOCIATED COSTS SHALL BE INCLUDED IN CONTRACTORS BID.
- SAFETY: CONFORM TO APPLICABLE CONSTRUCTION SAFETY REGULATIONS FOR ALL WORK PERFORMED DURING CONSTRUCTION. JOB SITE SAFETY IS STRICTLY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE ARCHITECT/ENGINEER OR THE GOVERNMENT.
- METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC). EQUIPMENT SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION (NEMA) AND AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI). EQUIPMENT SHALL BE NEW AND LISTED BY UNDERWRITERS LABORATORIES (U.L.) AND INSTALLED IN ACCORDANCE WITH THE CONDITIONS STATED IN THAT LISTINGS.
- ALL MATERIAL SHALL CONFORM TO THE "BUY AMERICAN" ACT.
- THE WORK INDICATED ON THESE DRAWINGS IS GENERALLY DIAGRAMMATIC AND IS INTENDED TO CONVEY THE SCOPE OF WORK AND INDICATE THE GENERAL ARRANGEMENT OF EQUIPMENT, CONDUIT AND WIRING, ETC.
- THE CONTRACTOR IS RESPONSIBLE FOR CHECKING FIELD CONDITIONS, PRIOR TO COMMENCEMENT OF WORK AND REPORT ANY PROBLEMS/CONFLICTS TO THE CONTRACTING OFFICER WITHIN TWO (2) DAYS OF DISCOVERY. ANY CHANGES RESULTING FROM CONDITIONS ARISING IN THE FIELD WHICH ARE NOT BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER ARE TO BE MADE BY CONTRACTOR AT NO ADDITIONAL COST TO THE GOVERNMENT.
- ALL ELECTRICAL CONSTRUCTION WORK, METHODS AND MATERIALS SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF NATIONAL ELECTRICAL CODE (NEC) AND APPLICABLE GOVERNMENT AND VA RULES AND REGULATIONS.
- CONTRACTOR SHALL IMMEDIATELY REPORT AND SUBMIT SAMPLE FOR ANY ENCOUNTERED UNKNOWN OR SUSPECTED HAZARDOUS MATERIAL TO THE CONTRACTING OFFICER FOR TESTING.
- MANUFACTURERS TRADE NAME AND CATALOG NUMBERS HAVE BEEN PROVIDED TO ESTABLISH GENERAL APPEARANCE. PHYSICAL CHARACTERISTICS AND QUALITY AND UNLESS OTHERWISE INDICATED ARE NOT INTENDED TO BE RESTRICTIVE RELATIVE TO THE ACTUAL PRODUCT SELECTED BY THE CONTRACTOR. SUBSTITUTING OF EQUAL PERFORMANCE AND APPEARANCE MAY BE CONSIDERED AS ACCEPTABLE.
- HAZARDOUS MATERIALS: UNLESS OTHERWISE PROVIDED, THE ARCHITECT/ENGINEER AND HIS/HER CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE HANDLING, REMOVAL OR DISPOSAL OF OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIAL IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATE DIPPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
- EQUIPMENT SHALL BE SUPPORTED/MOUNTED TO COMPLY WITH THE SEISMIC REQUIREMENTS OF THE IBC AND ASCE 7.
- COORDINATE WORK WITH OTHER TRADES TO AVOID CONFLICTS.
- THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE AT THE SITE TO SUPERVISE AND COORDINATE CONSTRUCTION AT ALL TIMES WORK IS IN PROGRESS.
- BEFORE ENERGIZING, EQUIPMENT SHALL BE TESTED TO BE FREE OF GROUNDS AND SHORTS.
- ANY OUTAGES WILL BE AT A TIME THAT IS LEAST DISRUPTIVE TO THE MEDICAL CENTER OR AS DIRECTED BY THE CONTRACTING OFFICER OR THE DESIGNATED REPRESENTATIVE. A WRITTEN REQUEST IS REQUIRED 15 DAYS BEFORE ACTUAL OUTAGE.
- ALL WORK SHALL BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIAL FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE. ALL DEFECTS WHICH DEVELOPED OR ARE DISCOVERED WITHIN THIS TIME PERIOD SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CONTRACTING OFFICER AT NO ADDITIONAL COST TO THE GOVERNMENT.
- PENETRATION OF CONDUITS, RACEWAYS AND WIRING THROUGH FIRE-RATED WALLS AND CEILINGS SHALL BE FIRE-STOPPED. FIRE STOPPING MATERIALS AND METHODS SHALL BE AN UNDERWRITERS LABORATORIES (U.L.) LISTED ASSEMBLY.
- ALL RECEPTACLES, OUTLETS AND JUNCTION BOXES (ABOVE AND BELOW CEILING) SHALL BE PERMANENTLY MARKED IN A MANNER APPROVED BY THE CONTRACTING OFFICER OR THE DESIGNATED REPRESENTATIVE TO INDICATE THE CIRCUIT NUMBER AND SOURCE PANELBOARD.
- LABEL AND IDENTIFY ALL PANEL SCHEDULES.
- UNLESS OTHERWISE INDICATED, CONDUCTORS SHALL BE TYPE THHN/THWN, 600 VOLT, SOLID OR STRANDED COPPER AND NOT SMALLER THAN #12 AWG FOR POWER AND LIGHTING CIRCUITS AND #14 AWG FOR CONTROL CIRCUITS.
- EQUIPMENT GROUNDING IS REQUIRED. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN ALL NEW RACEWAYS; THE CONDUIT SHALL NOT SERVE AS THE ONLY GROUNDING MEANS.
- "PROVIDE" MEANS "FURNISH AND INSTALL".
- PATCH AND REPAIR SURFACE TO MATCH EXISTING WHEN DAMAGED DURING CONSTRUCTION.
- CONTRACTOR SHALL PROTECT EQUIPMENT AND CONSTRUCTION ACTIVITIES FROM DAMAGE DUE TO RAIN, WIND, MOISTURE AND SIMILAR ELEMENTS.

CONSTRUCTION NOTES:

- ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF RACEWAYS OR EQUIPMENT SHALL BE PERFORMED BY A TRADESMAN EXPERIENCED IN THE WORK REQUIRED. ALL FINISHES SHALL MATCH EXISTING ADJACENT SURFACES OR AS INDICATED ON ARCHITECTURAL DRAWINGS.
- ALL ROOF OR WALL OPENINGS MADE DURING CONSTRUCTION UNDER THIS CONTRACT SHALL NOT BE LEFT UNPROTECTED FROM RAIN, MOISTURE, WIND, DUST AND ALL OUTSIDE ELEMENTS.
- CONTRACTORS SHALL PATCH AND REPAIR ALL OPENINGS IN WALLS RESULTING FROM CONSTRUCTION OR RELATED WORK TO MATCH EXISTING ADJACENT SURROUNDINGS.

CONSULTANTS:

ARCHITECT/ENGINEERS:



K F DAVIS ENGINEERING, INC.
530 LA GONDA WAY, SUITE E,
DANVILLE, CA. 94526
WWW.KFDE.COM
(925) 743-8884

Drawing Title GENERAL NOTES, LEGEND AND ABBREVIATIONS		Project Title BUILDING 1 AND 1D BIRD REJECTION		Project Number 654-15-560		Office of Construction and Facilities Management
		Location VA HEALTHCARE CENTER RENO, NEVADA		Building Number BLDG 1 AND 1D		
Date 07/15/2016	Checked AM	Drawn MSA	Drawing Number EP101		Dwg. 7 of 8	

