LEGEND - EXTERIOR

- DUCTBANK SECTION LOOKING IN THE DIRECTION OF ARROWS
- SPARE DUCT (TYPICAL)
- HEAVY LINE INDICATES BOTTOM OF DUCT
- EXISTING CABLE DESIGNATION (TYPICAL) DESCRIPTION PER FEEDER SCHEDULE ON SHEET ES100
- NEW CABLE DESIGNATION (TYPICAL) DESCRIPTION PER FEEDER SCHEDULE ON SHEET ES100
- UP — EXISTING UNDERGROUND, CONCRETE-ENCASED DUCTBANK AS INDICATED TO REMAIN
- UP — REMOVE EXISTING UNDERGROUND, CONCRETE-ENCASED DUCTBANK AS INDICATED
- UP — UNDERGROUND DUCTBANK AS INDICATED – CONCRETE-ENCASED UNLESS OTHERWISE NOTED
- TYPICAL DESIGNATIONS TO BE USED IN CONJUNCTION WITH DUCTBANK SYMBOL
  - UP UNDERGROUND PRIMARY
  - UT UNDERGROUND TELECOMMUNICATIONS
  - UAL UNDERGROUND AIRFIELD LIGHTING
  - US UNDERGROUND SECONDARY
  - USL UNDERGROUND SITE LIGHTING
- OS — REMOVE EXISTING OVERHEAD CONDUCTORS AS INDICATED
- TYPICAL DESIGNATIONS FOR OVERHEAD CONDUCTORS
  - OS OVERHEAD SECONDARY
  - OT OVERHEAD TELECOMMUNICATIONS
- EXISTING MANHOLE OR HANDHOLE AS INDICATED. SUBSCRIPT WHEN SHOWN, INDICATES EXISTING NUMERICAL DESIGNATION
- MANHOLE OR HANDHOLE AS INDICATED
- INDICATES FRONT
- EXISTING PAD-MOUNTED TRANSFORMER
- INDICATES FRONT
- PAD-MOUNTED TRANSFORMER
- EXISTING PAD-MOUNTED DISTRIBUTION SWITCH
- PAD-MOUNTED DISTRIBUTION SWITCH
- POINT OF DEMOLITION/NEW WORK
- EXISTING SITE LUMINAIRE AND POLE
- REMOVE EXISTING SITE LUMINAIRE AND POLE
- SITE LUMINAIRE AND POLE

LEGEND - POWER/GROUNDING RISER DIAGRAMS

- POWER TRANSFORMER AS INDICATED
- CURRENT TRANSFORMER
- IN-LINE FUSE AS INDICATED
- DISCONNECT SWITCH AS INDICATED
- MOLDED CASE CIRCUIT BREAKER AS INDICATED
- DELTA CONNECTION
- GROUNDED WYE CONNECTION
- CABLE TERMINATION
- GROUNDING ELECTRODE CONNECTION
- CABLE OR BUS – TYPE AND CHARACTERISTICS AS INDICATED
- SPD — SURGE PROTECTION DEVICE

LEGEND - INTERIOR

- FLUORESCENT OR LED LUMINAIRE – SEE LUMINAIRE SCHEDULE ON SHEET EL601
- FLUORESCENT OR LED LUMINAIRE WITH EMERGENCY BATTERY INVERTER
- HIGH INTENSITY DISCHARGE (HID) OR LIGHT EMITTING DIODE (LED) LUMINAIRE AS INDICATED – SEE LUMINAIRE SCHEDULE ON SHEET EL601. ARROW WHEN PROVIDED, INDICATES DIRECTION OF WALL WASH
- HIGH INTENSITY DISCHARGE (HID) OR LIGHT EMITTING DIODE (LED) LUMINAIRE WITH EMERGENCY BATTERY INVERTER
- WALL-WASH TYPE LUMINAIRE AS NOTED
- LED EXIT LUMINAIRE – ARROW, WHEN USED, INDICATES DIRECTION OF EGRESS
- EMERGENCY LIGHTING UNIT WITH BATTERY BACK-UP
- A — LUMINAIRE TYPE SYMBOL – SEE LUMINAIRE SCHEDULE ON SHEET EL601
- S — SINGLE POLE SWITCH – 20A, 120/277V. MOUNT AT 48" AFF
- S_3 — THREE-WAY SWITCH – 20A, 120/277V. MOUNT AT 48" AFF
- S_{RL} — RAISE/LOWER SWITCH FOR ROLLUP DOORS
- S_D — DIMMER SWITCH – MOUNT AT 48" AFF
- S_M — MOTOR-RATED SWITCH WITH INTEGRAL OVERLOADS
- S_V — SWITCH BOX MOUNTED VACANCY SENSOR SWITCH
- $S_{U/D}$ — PROJECTOR SCREEN UP-DOWN CONTROL SWITCH – 16A, 277V, SINGLE-POLE, DOUBLE-THROW, CENTER-OFF, MAINTAINED ACTION. BLACK WITH STAINLESS STEEL FACEPLATE.
- OS — OCCUPANCY SENSOR –
- PH — PHOTO-ELECTRIC CONTROL FOR EXTERIOR LUMINAIRES
- DUPLEX CONVENIENCE RECEPTACLE – 20A, 125V, AT 18" AFF UNLESS OTHERWISE NOTED
- SINGLE CONVENIENCE RECEPTACLE – 20A, 125V, AT 18" AFF UNLESS OTHERWISE NOTED
- DOUBLE DUPLEX RECEPTACLE – TWO 20A, 125V RECEPTACLES MOUNTED IN DOUBLE GANG OUTLET BOX WITH SINGLE FACEPLATE AT 24" AFF UNLESS OTHERWISE NOTED
- DOUBLE DUPLEX FLOOR BOX RECEPTACLE – TWO 20A, 125V RECEPTACLES MOUNTED IN RECESSED FLOOR BOX WITH FLUSH COVER PLATE
- GFI — DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT PROTECTION – 20A, 125V, AT 6" ABOVE COUNTER UNLESS OTHERWISE NOTED
- WP — DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT PROTECTION AND WEATHERPROOF COVER – 20A, 125V, AT 18" AFG
- EWC — DUPLEX RECEPTACLE FOR ELECTRIC WATER COOLER – 20A, 125 VAC, AT 23" AFF OR AS OTHERWISE RECOMMENDED BY EQUIPMENT MANUFACTURER.
- SINGLE LOCKING RECEPTACLE – 20A, 250V, L6-20R CONFIGURATION, FOR INSTALLATION IN DATA CABINET
- SINGLE LOCKING RECEPTACLE – 30A, 250V, L6-30R CONFIGURATION, FOR INSTALLATION IN DATA CABINET
- M 1/2 — MOTOR CONNECTION – HP AS INDICATED, "F" WHEN USED, INDICATES FRACTIONAL HP SMALLER THAN 1/12 HP
- E — EQUIPMENT CONNECTION AS NOTED
- J — JUNCTION BOX
- C — SINGLE CLOCK RECEPTACLE – 20A, 125V, NEMA 5-20R, 2P, 3W AT 72" AFF
- 3P 60/40 — DISCONNECT SWITCH, 240V IN NEMA 1 ENCLOSURE UON
  3P = NO. OF POLES, 60 = SWITCH RATING, 40 = FUSE RATING
  (NF INDICATED NON-FUSIBLE)
- MAGNETIC MOTOR CONTROLLER
- ELECTRICAL PANELBOARD – 480Y/277V, 3 PHASE, 4 WIRE
- ELECTRICAL PANELBOARD – 208Y/120V, 3 PHASE, 4 WIRE OR 240/120V, 1 PHASE, 3W
- OR — BRANCH CIRCUIT OR FEEDER WIRING IN CONDUIT. NO TICK MARKS INDICATE 2 #12 CONDUCTORS & 1 #12 GROUND IN 1/2" CONDUIT UON. TICK MARKS, WHEN SHOWN, INDICATE NUMBER OF #12 CONDUCTORS IF OTHER THAN THREE; (7) INDICATES GROUND. CONDUIT LARGER THAN 1/2" AND WIRE LARGER THAN #12 ARE AS INDICATED.

LEGEND - INTERIOR (CONTINUED)

- A-1,3,5 — HOMERUNS TO PANELBOARD – PANEL AND CIRCUIT DESIGNATIONS AS INDICATED
- INDICATES A CONDUIT RUN CONCEALED IN CEILING, WALL, OR ABOVE SUSPENDED CEILING UON
- DS — DIMMING CONTROLLER FOR LED LUMINAIRES
- DUPLEX CONVENIENCE RECEPTACLE – 20A, 125V, AT 6" ABOVE COUNTER

LEGEND - TELECOMMUNICATIONS/SECURITY

- UNCLASSIFIED NMCI DATA OUTLET AT 18" AFF UNLESS OTHERWISE NOTED. SEE DETAIL ON SHEET ET501.
- P — UNCLASSIFIED NMCI NETWORK PRINTER OUTLET AT 18" AFF UNLESS OTHERWISE NOTED. SEE DETAIL ON SHEET ET501.
- S — CLASSIFIED SIPRNET DATA OUTLET AT 18" AFF UNLESS OTHERWISE NOTED. SEE DETAIL ON SHEET ET501.
- BOEING AIRCRAFT CONTRACTOR NETWORK DATA OUTLET AT 18" AFF UNLESS OTHERWISE NOTED. SEE DETAIL ON SHEET ET501.
- P — BOEING AIRCRAFT CONTRACTOR NETWORK PRINTER OUTLET AT 24" AFF. SEE DETAIL ON SHEET ET501.
- WAP — WIRELESS ACCESS POINT OUTLET AT 16' AFF UNLESS OTHERWISE NOTED. SEE DETAIL ON SHEET ET501.
- S — SURFACE-MOUNTED, WEATHERPROOF SPEAKER FOR PUBLIC ADDRESS/INTERCOM SYSTEM.
- TV — CABLE OR SATELLITE TELEVISION OUTLET AT 72" AFF UNLESS OTHERWISE NOTED. SEE DETAIL ON SHEET ET501.
- CLOSED CIRCUIT TELEVISION CAMERA. PROVIDE 4" SQ. WEATHERPROOF JUNCTION BOX AT 25' AFF UNLESS OTHERWISE NOTED. CAMERA AND MOUNTING BRACKET PROVIDED BY OTHERS (NIC).
- 12"W X 4"D TELECOMMUNICATIONS CABLE TRAY. SEE DRAWINGS FOR MOUNTING HEIGHT.
- M — MICROPHONE OUTLET AT 48" AFF UNLESS OTHERWISE NOTED. SEE DETAIL ON SHEET ET501.
- PCU — ELECTRONIC SECURITY SYSTEM PROCESSING CONTROL UNIT WITH INTEGRAL BATTERY BACK-UP AT 60" AFF UNLESS OTHERWISE NOTED.
- CR — ELECTRONIC SECURITY SYSTEM CARD READER AT 48" AFF UNLESS OTHERWISE NOTED. SEE ELEVATION AND RISER DIAGRAM ON SHEET ET602.
- BS — ELECTRONIC SECURITY SYSTEM BALANCED MAGNETIC SWITCH. MOUNT AT TOP OF DOOR FRAME. SEE ELEVATION AND RISER DIAGRAM ON SHEET ET602.
- MS — ELECTRONIC SECURITY SYSTEM MOTION SENSOR AT 84" AFF. SEE ELEVATION AND RISER DIAGRAM ON SHEET ET602.
- DS — ELECTRONIC SECURITY SYSTEM ELECTRIC DOOR STRIKE. SEE ELEVATION AND RISER DIAGRAM ON SHEET ET602.

OTHER/MISCELLANEOUS

- C — PHOTOGRAPH REFERENCE SYMBOL – SEE PHOTOGRAPHS ON SHEET ES701

SYM	DESCRIPTION	DATE	APPR
1	ADDED BRANCH CIRCUITS IN LEGEND	12/9/15	

NAVFAC

SEAL

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY: CDR WILSON EMAIL-SAT-TO

SATISFACTORY TO: 01 DEC 2014

DES: CAB | DRW: CAB | CHK: RLS

PM/DM: EDA/IK

BRANCH MANAGER:

CHIEF ENG/ARCH: GALLAHER, P.E.

FIRE PROTECTION:

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND NORTHWEST
SILVERDALE, WA

NAS WHIDBEY ISLAND — OAK HARBOR, WA

P234
C-40 MAINTENANCE RESERVE HANGAR

ELECTRICAL LEGEND

SCALE: AS NOTED

EPROJECT NO.: 1141829

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 16025858

SHEET 286 OF 347

E-001

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FILE NAME: Z:\Projects\2015-WON1141829-P234 C40 Reserve Maintenance Hangar\CAD\E\Amendment #001\E-001x.dwg LAYOUT NAME: E-001 PLOTTED: Monday, February 02, 2015 2:24pm USER: eduardo.kim