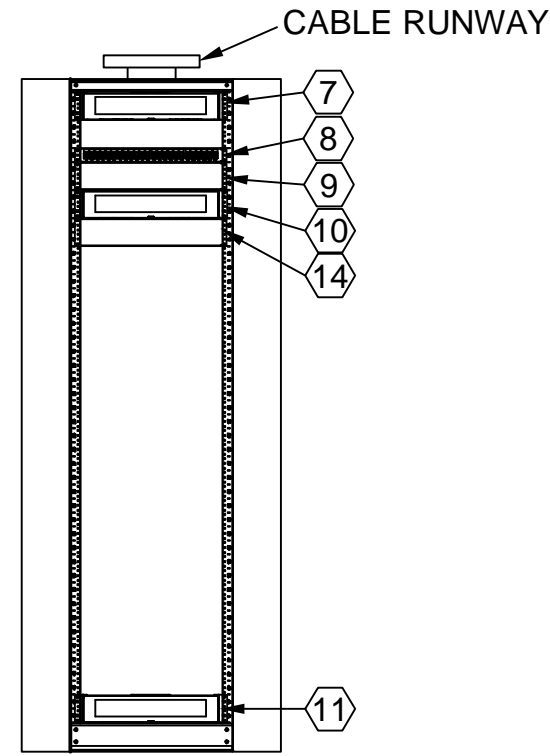
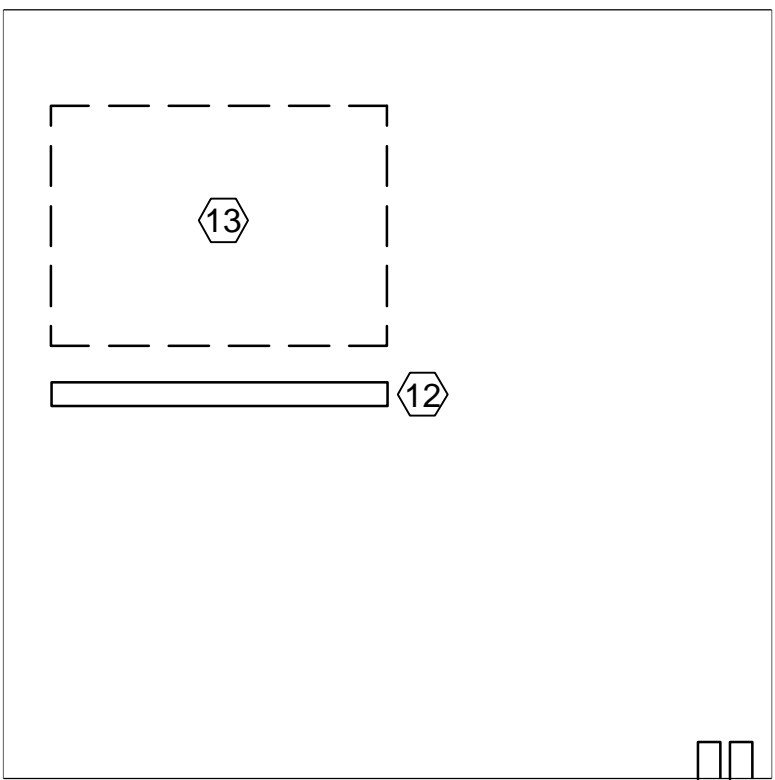


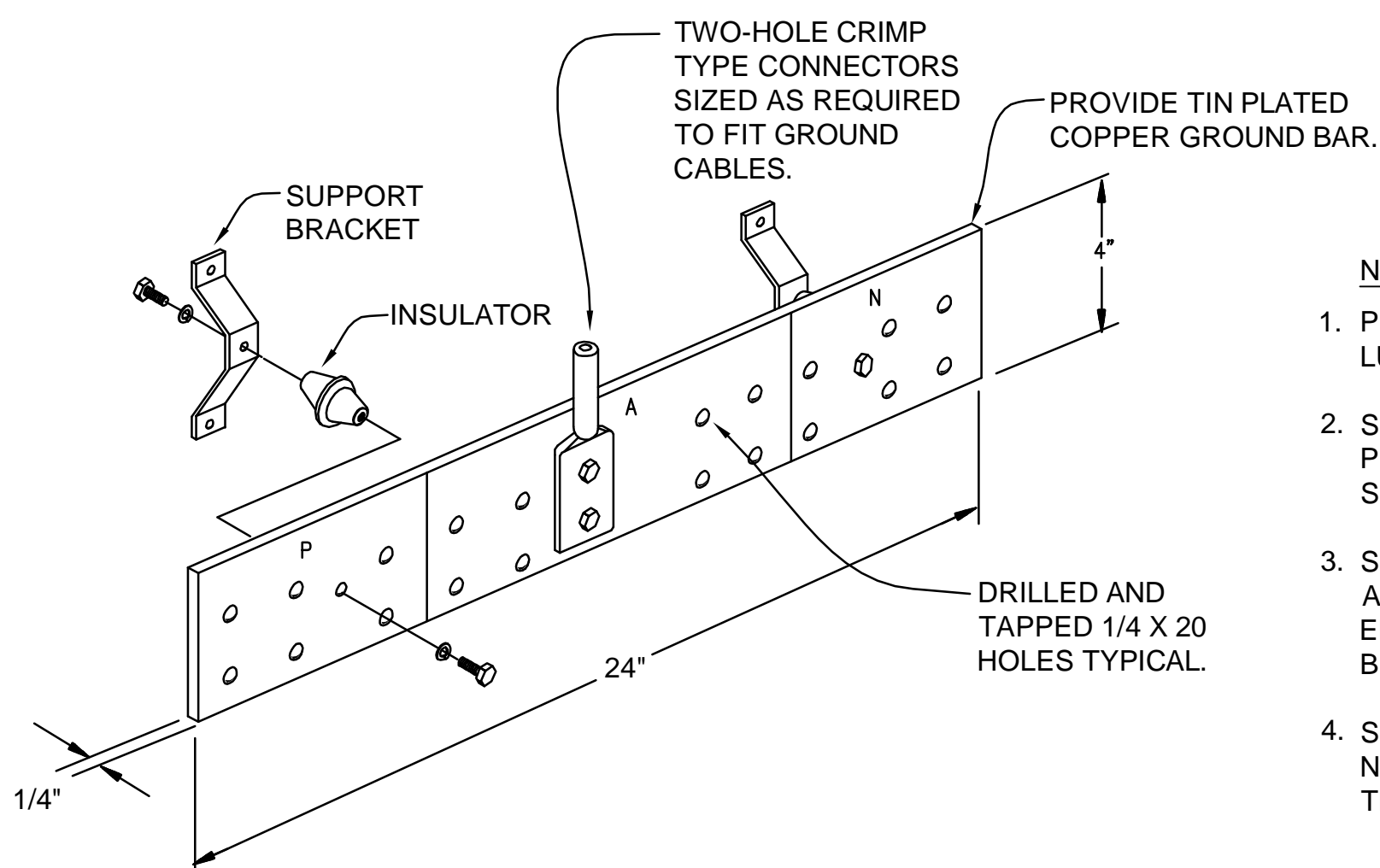
1 BACKBOARD ELEVATION
EY-601 1/2" = 1'-0"



2 RACK ELEVATION
EY-601 1/2" = 1'-0"



3 BACKBOARD ELEVATION
EY-601 1/2" = 1'-0"



4 TELECOMMUNICATIONS MAIN GROUND BAR DETAIL
EY-601 NOT TO SCALE

SECURITY CAMERA SCHEDULE				
CAMERA ID	CAMERA TYPE	CAMERA MOUNTING	MOUNTING NOTES	POWER SOURCE
C1	OUTDOOR FIXED MEGAPIXEL DOME	PENDANT	A	LAN SWITCH
C2	OUTDOOR PAN/TILT/ZOOM	PENDANT	B	MID SPAN
C3	OUTDOOR PAN/TILT/ZOOM	PENDANT	B	MID SPAN
C4	INDOOR FIXED DOME	SURFACE	C	LAN SWITCH
C5	INDOOR FIXED RUGGED MEGAPIXEL	SURFACE	D	LAN SWITCH
C6	INDOOR FIXED RUGGED MEGAPIXEL	SURFACE	D	LAN SWITCH
C7	OUTDOOR PAN/TILT/ZOOM	PENDANT	B	MID SPAN
C8	OUTDOOR PAN/TILT/ZOOM	WALL BRACKET	E	LAN SWITCH
C9	OUTDOOR PAN/TILT/ZOOM	PENDANT	B	MID SPAN
C10	INDOOR FIXED DOME	SURFACE	C	LAN SWITCH
C11	OUTDOOR PAN/TILT/ZOOM	PENDANT	B	MID SPAN
C12	OUTDOOR PAN/TILT/ZOOM	WALL BRACKET	E	MID SPAN
C13	OUTDOOR PAN/TILT/ZOOM	PENDANT	B	MID SPAN
C14	INDOOR FIXED DOME	SURFACE	C	LAN SWITCH
C15	OUTDOOR PAN/TILT/ZOOM	PARAPET	F	MID SPAN
C16	OUTDOOR PAN/TILT/ZOOM	PARAPET	G	MID SPAN
C17	OUTDOOR PAN/TILT/ZOOM	PARAPET	F	MID SPAN
C18	INDOOR FIXED DOME	SURFACE	C	LAN SWITCH
C19	OUTDOOR FIXED MEGAPIXEL DOME	PENDANT	H	LAN SWITCH
C 20	INDOOR FIXED DOME	SURFACE	I	LAN SWITCH

CAMERA SCHEDULE MOUNTING NOTES

- PENDANT MOUNT CAMERA AS HIGH AS POSSIBLE JUST BELOW THE PRECAST STRUCTURAL TEES SUCH THAT THE CAMERA HAS AN UNOBSTRUCTED VIEW OF THE VEHICLES ENTERING AND LEAVING THE RAMP.
- PENDANT MOUNT CAMERA AS HIGH ABOVE THE FLOOR AS POSSIBLE AND WHEN THE CAMERA TILTS TO A HORIZONTAL VIEW PARALLEL TO THE FLOOR, THE CAMERA HAS AN UNOBSTRUCTED VIEW UNDER THE GIRDERS ON GRID LINES B AND C.
- SURFACE MOUNT CAMERA TO VESTIBULE CEILING.
- SURFACE MOUNT CAMERA TO CEILING OF ELEVATOR CAB. COORDINATE INSTALLATION WITH ELEVATOR INSTALLER.
- PENDANT MOUNT CAMERA AS HIGH AS POSSIBLE JUST BELOW THE PRECAST STRUCTURAL TEES SUCH THAT THE CAMERA HAS AN UNOBSTRUCTED VIEW DOWN THE SLOPED RAMP.
- INSTALL THE PARAPET MOUNT TO THE TOP OF THE SHEAR WALL. ADJUST THE MOUNTING ARM TO BE 45 DEGREES TO THE GRIDS INDICATED TO ALLOW THE CAMERA TO VIEW BOTH THE LONG AND SHORT LENGTHS OF THE RAMP.
- INSTALL THE PARAPET MOUNT TO THE TOP OF THE SHEAR WALL. ADJUST THE MOUNTING ARM TO BE PARALLEL WITH THE LONG DIMENSION OF THE RAMP AS INDICATED.
- PENDANT MOUNT CAMERA AS HIGH AS POSSIBLE JUST BELOW THE PRECAST STRUCTURAL TEES SUCH THAT THE CAMERA HAS AN UNOBSTRUCTED VIEW OF THE PEOPLE ENTERING AND LEAVING THE RAMP.
- WALL MOUNT CAMERA AT 9' ABOVE FINISHED FLOOR ON THE WALL OPPOSITE DOOR AND AIM THE CAMERA SUCH THAT THE CAMERA HAS AN UNOBSTRUCTED VIEW OF THE PEOPLE ENTERING AND LEAVING THE ROOM.

5 CAMERA SCHEDULE
EY-601 NTS

KEY NOTES:

- PROVIDE A 25 PAIR, OUTSIDE PLANT RATED, COPPER TELEPHONE CABLE. ROUTE CABLE IN ONE OF THE INNERDUCT CELLS. PROVIDE A 10 FOOT MAINTENANCE LOOP PRIOR TO TERMINATION ON PROTECTOR. SEE DRAWINGS ES-100 AND EY-121.
- PROVIDE A 25 PAIR BUILDING ENTRANCE PROTECTOR.
- PROVIDE A 96 PAIR, CATEGORY 6 RATED, 100 BLOCK WITH LEGS FOR THE TERMINATION OF STATION CABLES FOR EMERGENCY CALL STATIONS AND TELEPHONES
- PROVIDE A 24 VOLT AC POWER SUPPLY FOR EMERGENCY CALL STATIONS.
- PROVIDE A TELECOMMUNICATIONS MAIN GROUND BAR (TMGB). PROVIDE A #1/0 AWG COPPER BONDING CONDUCTOR AND MAKE CONNECTION TO ELECTRICAL SYSTEM GROUND IN ADJACENT ELECTRICAL ROOM.
- PROVIDE A 4 STRAND, INDOOR/OUTDOOR RATED, SINGLEMODE OPTICAL FIBER CABLE. ROUTE CABLE IN ONE OF THE INNERDUCT CELLS. ROUTE CABLE ON CABLE RUNWAY TO OPTICAL FIBER TERMINATION ENCLOSURE IN RACK. PROVIDE A 10 FOOT MAINTENANCE LOOP ON THE RUNWAY. SEE DRAWINGS ES-100 AND EY-121.
- PROVIDE A TWO RACK UNIT HIGH, OPTICAL FIBER TERMINATION ENCLOSURE.
- PROVIDE A 24 PORT, CATEGORY 6 RATED PATCH PANEL FOR THE TERMINATION OF DATA STATION CABLES.
- PROVIDE A TWO RACK UNIT HIGH, HORIZONTAL CABLE MANAGER.
- PROVIDE CHASSIS WITH COPPER TO OPTICAL FIBER MEDIA CONVERTERS.
- PROVIDE A RACK MOUNTED UNINTERRUPTIBLE POWER SUPPLY (UPS).
- PROVIDE A WIREMOLD #20-C2 PLUGMOLD WITH SIX SINGLEPLEX RECEPTACLES, CORD AND PLUG. CONNECT PLUGMOLD TO ONE OF THE UPS RECEPTACLES. PROVIDE A SECOND PLUGMOLD IF REQUIRED.
- MOUNTING SPACE FOR MID SPAN POWER INJECTORS. POWER THE INJECTORS FROM RECEPTACLES ON THE PLUGMOLD.
- PROVIDE RACK MOUNTED SURGE SUPPRESSOR FOR CAMERAS CONNECTED WITH COPPER, CATEGORY 6 CABLING.
- PROVIDE A LENEL #LNL-1300U UNIVERSAL SINGLE READER INTERFACE MODULE WITH A #LNL-AL400 ULX POWER SUPPLY. PROVIDE POWER SUPPLY WITH A #ABT-12 BATTERY. PROVIDE NETWORKING CABLE AND ROUTE IN AN INNERDUCT CELL TO THE HOSPITAL AND MAKE CONNECTION TO THE EXISTING ACCESS CONTROL NETWORK. VERIFY LOCATION OF NETWORK CONNECTION WITH THE VA.

CONSTRUCTION DOCUMENTS

		CONSULTANTS:		ARCHITECTS/ENGINEERS:		Drawing Title: SYSTEMS DETAILS AND SECURITY CAMERA SCHEDULE		Project Title CONSTRUCT PARKING RAMP DESIGN		Project Number 618-820		Office of Construction and Facilities Management			
		SIGNAGE SIGNIA DESIGN 2395 UNIVERSITY AVENUE W., SUITE 316 SAINT PAUL, MN 55114 PHONE: 651-209-6254 LANDSCAPE ANDERSON ENGINEERING 13605 1ST AVENUE NORTH, SUITE 100 PLYMOUTH, MN 55441 PHONE: 763-412-4000		LEO A DAILY PLANNING ARCHITECTURE ENGINEERING INTERIORS 730 Second Avenue South, Suite 1100 Minneapolis, MN 55402-2455 USA Tel (612) 338-8741 Fax (612) 338-4840 Project #023-10131-000		I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Professional Engineer under the laws of the State of Minnesota Signature: Printed Name: Randall A. Jacobs Date: 02-24-2012 License: 25414		Location 1 VETERANS DRIVE MINNEAPOLIS, MN 55417		Drawing Number EY-601 Drawing 116 of 116					
Revisions:		Date		Project #023-10131-000				Date 02-24-2012		Checked RAJ		Drawn SJC		Department of Veterans Affairs	