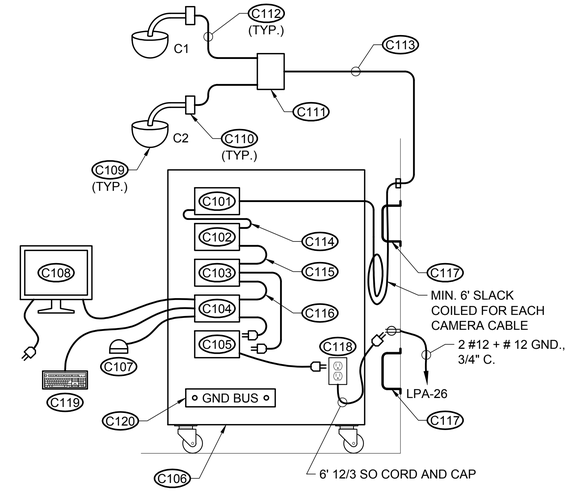
NOTES:

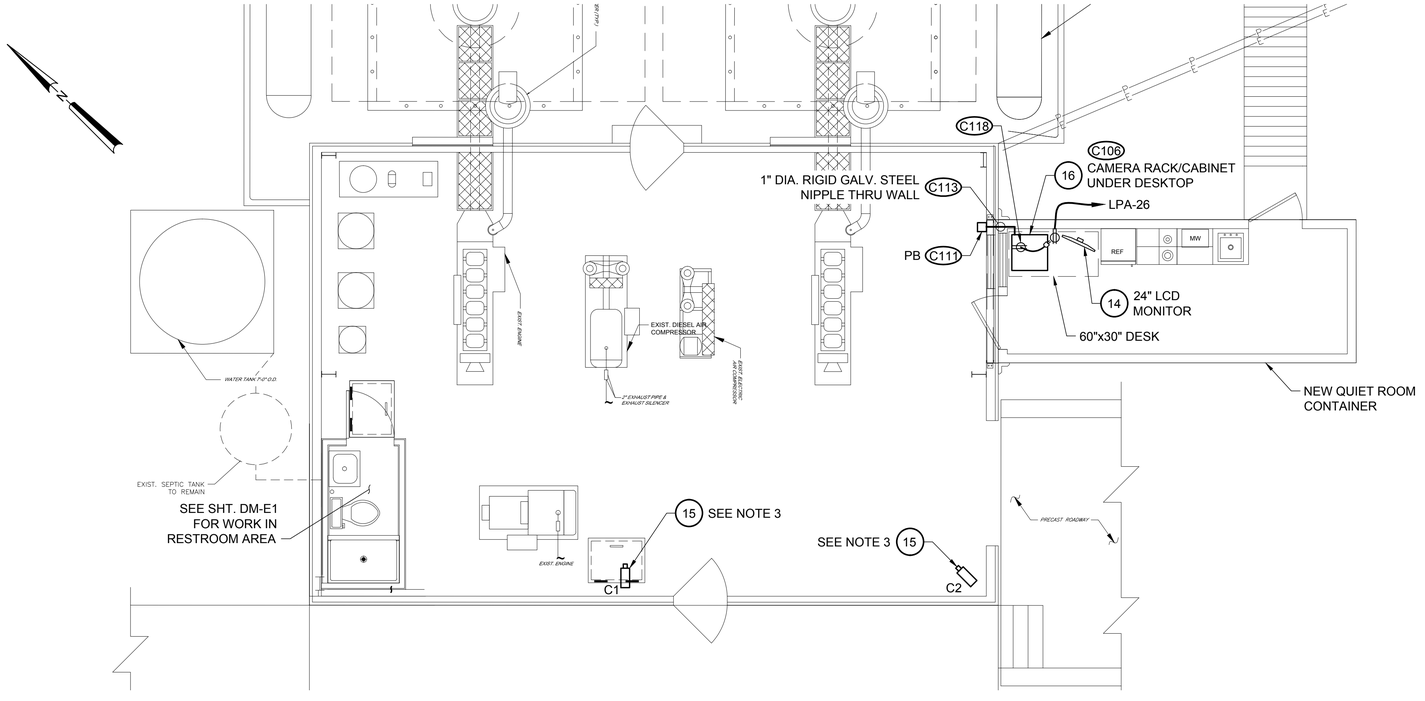
1. CAMERAS SHALL BE POWERED USING CAT. VI (23-GA.) CABLES, RUN IN 3/4" DIA. RIGID ALUMINUM CONDUIT.
2. CAMERA CABINET SHALL BE MOUNTED ON FOUR (4) 2" DIA. RUBBER CASTER WHEELS WITH LEVER TYPE BRAKES. ROLL CAMERA CABINET UNDER DESKTOP.
3. PoE CAMERA MOUNTED INSIDE MINIDOME.
4. ALL CAMERAS ARE MOUNTED IN A MINIDOME WEATHERPROOF HOUSING, WITH ANTI-CONDENSATION HEATER AND FAN. CAMERAS ARE POWER-OVER-ETHERNET (PoE), REQUIRING ONLY A CATEGORY 6 ETHERNET CABLE (23-GA.) FOR POWER AND SIGNAL.
5. PULLBOX "C111" SHALL BE LOCATED AND MOUNTED SO THAT THE CONDUIT NIPPLE "C113" CAN BE ROUTED IN ONE STRAIGHT PIECE FROM BOX "C111" THROUGH THE STATION WALL AND THE QUIET ROOM WALL, TO A POSITION DIRECTLY BEHIND THE CAMERA RACK.
6. ALL CAMERA PoE CABLES SHALL BE RUN IN 3/4" RIGID ALUMINUM CONDUIT TO PULLBOX "C111". USE MEYER HUBS FOR ALL CONDUIT ENTRANCES INTO BOX "C111". CONTINUE EACH CAMERA PoE CABLE THROUGH THE BOX AND THROUGH CONDUIT NIPPLE "C113" TO THE "RACK AREA" WITH "C117" STANDOFF BRACKETS. COIL A MINIMUM OF 6' SLACK IN EACH CABLE, TO LOOP AND SUPPORT ON "C117" BRACKETS; THEN CONTINUE THE CABLES INTO THE CAMERA RACK/CABINET TO TERMINATE ONTO THE "C101" TYPE 110 PUNCHDOWN PATCH PANEL. ROUTE CABLES SO THAT THE CAMERA RACK/CABINET CAN BE ROLLED OUT FROM UNDER THE DESKTOP INTO CLEAR FLOOR SPACE FOR ADDITIONS AND/OR SERVICE.
7. CAMERA SHALL BE FURNISHED WITH A PENDANT MOUNT ENCLOSURE FOR SUPPORT VIA 3/4" THREADED CONDUIT STEM. SECURE PENDANT TO A FABRICATED BRACKET FOR WALL SUPPORT FROM BUILDING STRUCTURE. PoE CABLE SHALL BE ROUTED THROUGH A 6x6x4 PULLBOX "C110" AT EACH CAMERA. PROVIDE RIGID STEEL BOLTED MOUNTING SUPPORTS ON BUILDING STRUCTURE TO RECEIVE CAMERA WALL-MOUNT BRACKET.
8. PROVIDE THREE (3) HOLES FOR 1" DIAMETER CHASE NIPPLES, WITH PLASTIC BUSHINGS, THROUGH THE CAMERA RACK ENCLOSURE, EITHER THROUGH THE ENCLOSURE REAR DOOR, OR THROUGH THE RIGHT SIDE. ONE BUSHING WILL BE FOR THE ETHERNET CAT 6 PoE CAMERA CABLES, ONE FOR THE 12/3 POWER CABLE, AND THE THIRD FOR THE MONITOR, MOUSE AND KEYBOARD (KVM) CABLES. IF THE KVM CABLES NEED EXTENSIONS TO REACH THE DEVICES, PROVIDE THESE FOR A COMPLETE, WORKABLE SYSTEM.

CAMERA EQUIPMENT LEGEND	
C101	PATCH PANEL - FLAT 110-STYLE COMPONENT RATED UTP PANEL, 24-PORT, PoE 4 FOR CAT-6 CABLE; 6-PORT RJ-45 FRONT MODULES, 110-STYLE REAR PUNCHDOWNS; REAR CABLE MANAGEMENT BAR; LEVITON CAT. #69586-U24, OR EQUAL
C102	SURGE ARRESTOR - APC-MX3501N
C103	GIGABIT ETHERNET SWITCH - PER IEEE STD. 802.3at, W/ PoE PLUS W/ DEFAULT POWER SUPPLY AND POWER CABLES, 24 PORTS; LAN-BASED CISCO CAT. #WS-3560X-24P-L, OR EQUAL
C104	NETWORK VIDEO RECORDER (NVR) - 280 Mbps (FOR IP AND ANALOG VIDEO); (3) 3TB DRIVES (1-ACTIVE, 2 BACKUP - RAID 5), PLUS OPTICAL DISK DRIVE (ODD) H.264; PELCO CAT. #DSSRV-090DVD-US, 120-VOLTS
C105	RACK MOUNT UPS - 750VA, USB AND SERIAL RM, 1U, 120V; APC CAT. #SAU750RM1U, APS SMART-UPS
C106	CAMERA RACK CABINET - FLOOR MOUNTED, FRONT AND REAR ACCESS; MOUNT ONTO (4) 2" RUBBER CASTER WHEELS W/ LOCKS; 24"Hx24"Wx24"D, LOCKING FRONT & REAR DOORS; ADJUSTABLE THREADED EQUIP. RAILS; CUBIT PLUS CABINET SYSTEM, OR EQUAL
C107	MOUSE (FOR "C104" NVR) - USB CONNECTED; LOGITECH #G400
C108	24" LCD MONITOR - 120V
C109	PoE IP COLOR CAMERA - 2MP HD (1920x1080 @ 30fps), FIXED DOME CAMERA, VARI-FOCUS LENS, BUILT-IN IR ILLUMINATORS, IEEE 802.3af PoE (CLASS 3), PoE HEATER AND FAN; PROVIDE PENDANT MOUNTED OUTDOOR MINIDOME HOUSING WITH WALL MOUNT BRACKET; CAMERA: VIVOTEK CAT. #FD8361L (INCLUDE ONE-TIME CAMERA LICENSING FEES)
C110	PULLBOX AT CAMERA; 6x6x4 NEMA 4XSS
C111	PULLBOX FOR "COLLECTION" OF CAMERA CABLES; 12x12x6 NEMA 4XSS, HINGED COVER, HOFFMAN
C112	CAT. 6 (23-GA.) PoE CAMERA CABLE RUN IN 3/4" RIGID ALUMINUM CONDUIT
C113	RIGID GALV. STEEL CONDUIT NIPPLE THRU WALLS FROM BOX "C111" TO AREA BEHIND CAMERA CABINET; 1"Ø x LENGTH REQ'D, W/ PLASTIC BUSHING ON ENDS
C114	CAT. 6 PATCH CORD - 36", PATCH PANEL TO SURGE ARRESTOR
C115	CAT. 6 PATCH CORD - 36", SURGE ARRESTOR TO SWITCH
C116	CAT. 6 PATCH CORD - SWITCH TO NVR
C117	HORIZ. CABLE MANAGER - 24"Wx2RU HIGH; VELCRO CAT. #C1253-2CM
C118	125-VOLT, 20-AMP GROUNDED DUPLEX RECEPTACLE - MOUNTED INSIDE CAMERA CABINET IN AN ALUMINUM FD BOX; ATTACH A 6' LG. 12/3 SO CORD (120V) W/ A CORD CAP, TO PLUG INTO ADJACENT WALL RECEPTACLE.
C119	KEYBOARD (FOR "C104" NVR) - USB CONNECTED; LOGITECH CAT. #G510
C120	HORIZONTAL GROUNDING BUSBAR - COPPER, CPI CAT. #10610-019



CAMERA RACK/CABINET DETAIL AND SCHEMATIC DIAGRAM

SCALE: N.T.S.



CAMERA LOCATION PLAN

SCALE: 1/4" = 1'-0"

These plans and specifications have been prepared by me or under my close personal supervision, and to the best of my knowledge and belief, they meet all applicable codes and ordinances in effect at the time of the design of this work.

Bruce D. Buxton
Date

STATE OF LOUISIANA
BRUCE D. BUXTON
REG. No. 32280
REGISTERED PROFESSIONAL ENGINEER
10/4/2012

CADD FILE NAME:

REVISIONS	DATE:	REMARKS:	APP'D

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ASCE

DESIGNED BY:	DRAWN BY:	CHECKED BY:
RAC	EAO	RAC

DATE:	SCALE:	JOB NO.
10/04/2012	AS SHOWN	025-006-01

PLAQUEMINES PARISH QUIET ROOMS
PACKAGE NO. 2

DIAMOND PUMP STATION, HAYES PUMP STATION, GRAND DELIARD PUMP STATION, AND DUVIC PUMP STATION

DIAMOND PUMP STATION

CAMERA LOCATION PLAN

SHEET NO.
DM-E4