BACKBOX REQUIREMENTS

SYMBOL	UNIT DESCRIPTION	BACKBOX
TCS	TOUCH SCREEN CONTROL STATION	SINGLE GANG 3–1/2" DEEP BOX BY DIVISION 16 EQUIPMENT LOCATED ON MILLWORK
SMS	SECURITY MANAGEMENT SERVER/ACCESS COMPUTER	SINGLE GANG 3–1/2" DEEP BOX BY DIVISION 16 EQUIPMENT LOCATED ON MILLWORK
	DOORS, MONITORED/CONTROLLED	IN DOOR FRAME, BY OTHERS
MO	MONITORED ONLY DOOR	IN DOOR FRAME, BY OTHERS
PR P/K	PROXIMITY READER PROXIMITY READER/KEYPAD	SINGLE GANG 3–1/2" DEEP MASONRY BOX BY DIVISION 16
EPB	EXIT PUSHBUTTON	SINGLE GANG MASONRY BOX BY DIVISION 16
D	DURESS PUSHBUTTON STATION, UNDER–COUNTER	SINGLE GANG BOX BY DIVISION 16 EQUIPMENT LOCATED IN MILLWORK
D	DURESS PUSHBUTTON STATION, WALL–MOUNTED MUSHROOM HEAD	SINGLE GANG 3–1/2" DEEP MASONRY BOX BY DIVISION 16
MD	MOTION DETECTOR	SINGLE GANG 3–1/2" DEEP MASONRY BOX BY DIVISION 16
WT	WATCHTOUR PUSHBUTTON STATION	SINGLE GANG MASONRY BOX BY DIVISION 16
REX	REQUEST TO EXIT MOTION DETECTOR	SINGLE GANG MASONRY BOX BY DIVISION 16
I	REMOTE INTERCOM STATION– WALL MOUNTED	2 GANG 3–1/2" DEEP MASONRY BOX BY DIVISION 16
I F	REMOTE INTERCOM STATION– FRAME MOUNTED	2 GANG 3–1/2" DEEP IN FRAME BY DIVISION 11
	COVERT MICROPHONE	SINGLE GANG BOX BY DIVISION 16
S F S F	CEILING SPEAKER AND SPEAKER HORN	SPECIAL BY DIVISION 17
DVD	DVD RECORDER	SINGLE GANG BOX BY DIVISION 16 EQUIPMENT LOCATED ON MILLWORK/DESK
M	CCTV MONITOR	SINGLE GANG BOX BY DIVISION 16 EQUIPMENT LOCATED ON MILLWORK/DESK
KBD	CCTV CONTROL KEYBOARD	SINGLE GANG BOX BY DIVISION 16 EQUIPMENT LOCATED ON MILLWORK
RVC	DVR REMOTE VIEWING COMPUTER	SINGLE GANG BOX BY DIVISION 16 EQUIPMENT LOCATED ON MILLWORK/DESK
	VIDEO VISITATION STATION	2 GANG 3–1/2" DEEP MASONRY BOX BY DIVISION 16
	BUILDING–MOUNTED EXTERIOR PAN–TILT–ZOOM CAMERA	TWO SINGLE GANG BOX BY DIVISION 16 + HOUSING BY DIVISON 17
	INTERIOR CAMERA WITH DETENTION STYLE HOUSING	4–SQUARE BACK BOX + 3/4" EXTENSION RING BY DIVISION 16 + HOUSING BY DIVISION 17
EXT	EXTERIOR CAMERA WITH DETENTION STYLE HOUSING	4–SQUARE BACK BOX + 3/4" EXTENSION RING BY DIVISION 16 + HOUSING BY DIVISION 17
	COVERT CAMERA	SINGLE GANG BOX BY DIVISION 16

CABLE SCHEDULE

MANUFACTURER	PART NUMBER	DESCRIPTION
WEST PENN	292	(2) CONDUCTOR STP 20 AWG
WEST PENN	358	(3) CONDUCTOR (2 SHIELDED, 1 UNSHIELDED) 20 AWG
WEST PENN	360	(4) CONDUCTOR (2) SHIELDED, (2) UNSHIELDED, 18AWG
WEST PENN	439	(4) INDIVIDUAL STP 22 AWG
WEST PENN	806	RG–6/U CCTV CABLE
WEST PENN	815	RG–59/U CCTV CABLE
WEST PENN	2815	RG–59/U CCTV CABLE + UNSHIELDED PAIR 18 AWG (SIAMESE)
BELDEN	3105A	(2) CONDUCTOR SHIELDED PAIR 22 AWG

NOTES:
1. PART NUMBERS ARE NON–PLENUM RATED. UTILIZE THE EQUIVALENT PLENUM RATED OR WET–LOCATION LISTED CABLE WHERE REQUIRED. PLENUM OR WET RATED CABLE USE DETERMINED BY OTHERS. VERIFY W/SPECS, DWGS, CODES, & SITE CONDITIONS.
2. DO NOT SUBSTITUTE FOR BELDEN 3105A.

TOUCHSCREEN CONTROL STATION SCHEDULE

STATION	DESCRIPTION
TCS1	NEW 40" LCD TOUCHSCREEN, 1 – CPU
TCS2	NEW 40" LCD TOUCHSCREEN, 1 – CPU
TCS3*	NEW 19" LCD TOUCHSCREEN, 1 – CPU
TCS4	NEW 19" LCD TOUCHSCREEN, 1 – CPU
TCS5	NEW 19" LCD TOUCHSCREEN, 1 – CPU
TCS6	NEW 19" LCD TOUCHSCREEN, 1 – CPU
TCS7	NEW LCD TOUCHSCREEN 24" MINIMUM, 1–CPU
TCS8	NEW 19" LCD TOUCHSCREEN, 1 – CPU
TCS9	NEW 19" LCD TOUCHSCREEN, 1 – CPU
TCS10	NEW LCD TOUCHSCREEN 24" MINIMUM, 1–CPU

* FUNCTIONS AS VIDEO VISITATION CONTROL STATION.

EQUIPMENT SCHEDULE

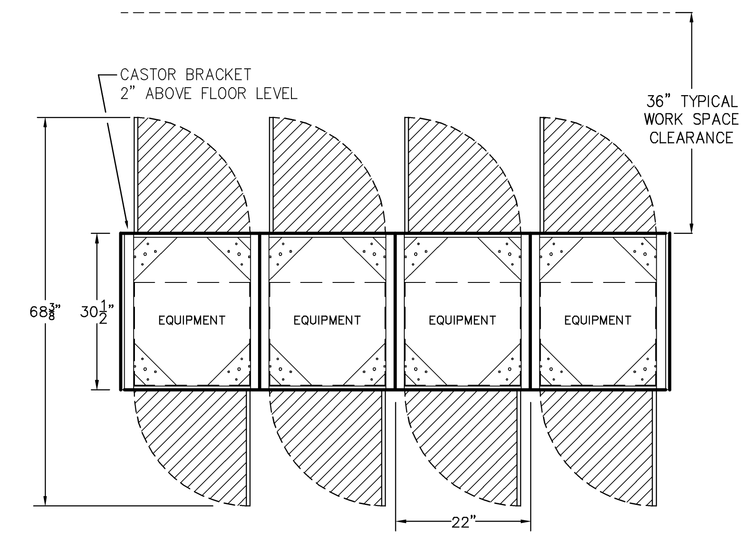
ITEM	TYPE
KBD	CCTV KEYBOARD WITH PTZ FUNCTIONS (TYPICAL OF 5)
DVD	DVD RECORDER (TYPICAL OF 4)

MONITOR SCHEDULE

MONITOR #	DESCRIPTION
1	17" LCD FLATPANEL MONITOR
2	17" LCD FLATPANEL MONITOR
3	17" LCD FLATPANEL MONITOR
4	17" LCD FLATPANEL MONITOR
5	17" LCD FLATPANEL MONITOR
6	17" LCD FLATPANEL MONITOR
7	17" LCD FLATPANEL MONITOR
8	17" LCD FLATPANEL MONITOR
9	17" LCD FLATPANEL MONITOR
10	17" LCD FLATPANEL MONITOR
11	17" LCD FLATPANEL MONITOR
12	17" LCD FLATPANEL MONITOR
13	17" LCD FLATPANEL MONITOR
14	17" LCD FLATPANEL MONITOR
15	17" LCD FLATPANEL MONITOR
16	17" LCD FLATPANEL MONITOR
17	17" LCD FLATPANEL MONITOR
18	17" LCD FLATPANEL MONITOR
19	17" LCD FLATPANEL MONITOR
20	17" LCD FLATPANEL MONITOR
21	17" LCD FLATPANEL MONITOR
22	17" LCD FLATPANEL MONITOR
23	17" LCD FLATPANEL MONITOR

TAKE OVER SCHEDULE

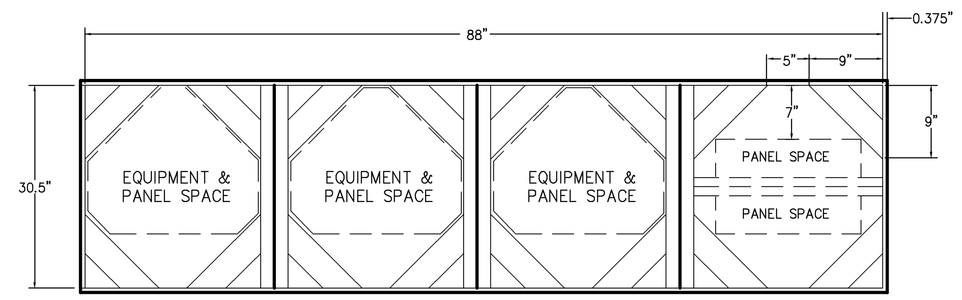
NO.	ACTION
1	TCS1 AND TCS2 ARE REDUNDANT CONTROL STATIONS.
2	TCS1 AND TCS2 SHALL BE CAPABLE OF TAKING OVER ALL OTHER TOUCHSCREEN CONTROL STATIONS.
3	EACH TOUCH SCREEN HAS IT'S OWN AUDIO TALK–PATH.
4	ALL INTERCOMS ARE SINGLE TALK PATH. LAYOUT INTERCOM RELAY CARDS TO LOGICALLY GROUP INTERCOMS TOGETHER FOR EACH TOUCH SCREEN LOCATION.
5	AN INTERCOM WILL CALL THE LOCAL TOUCH SCREEN, IF ACTIVE. IF A TOUCH SCREEN IS INACTIVE FOR AN AREA, THE INTERCOM WILL ROLL OVER TO CENTRAL. IF TWO TOUCH SCREENS ARE ACTIVE FOR ONE AREA, THE INTERCOM WILL CALL BOTH. ONCE A TOUCH SCREEN IS CONNECTED TO AN INTERCOM, THE OTHER TOUCH SCREEN(S) THAT CAN "SEE" THIS INTERCOM WILL SHOW THAT INTERCOM STATION AS BUSY UNTIL DISCONNECTED.



NOTE: NUMBER OF RACKS SHOWN IS NOT REPRESENTATIVE OF THE ACTUAL NUMBER OF RACKS TO BE INSTALLED. VERIFY ACTUAL NUMBER OF RACKS WITH SUBMITTAL DRAWINGS.

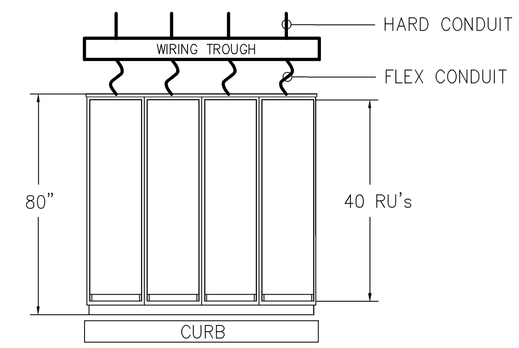
1 / SE3.2 TYPICAL SEC DETAIL – CABINET FOOTPRINT and ACCESS
NOT TO SCALE

NOTE: NUMBER OF RACKS SHOWN IS NOT REPRESENTATIVE OF THE ACTUAL NUMBER OF RACKS TO BE INSTALLED. VERIFY ACTUAL NUMBER OF RACKS WITH SUBMITTAL DRAWINGS.



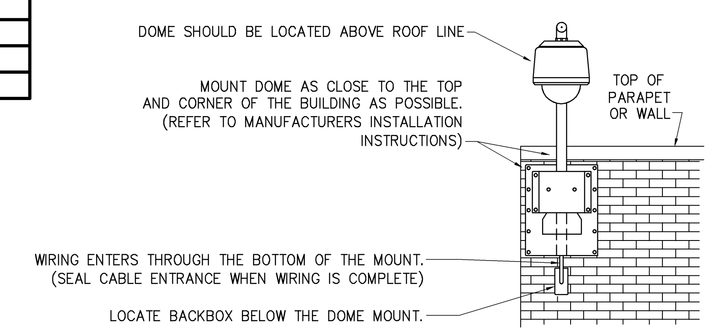
NOTE: NUMBER OF RACKS SHOWN IS NOT REPRESENTATIVE OF THE ACTUAL NUMBER OF RACKS TO BE INSTALLED. VERIFY ACTUAL NUMBER OF RACKS WITH SUBMITTAL DRAWINGS.

2 / SE3.2 TYPICAL SEC DETAIL – CABINET FOOTPRINT and ACCESS
NOT TO SCALE

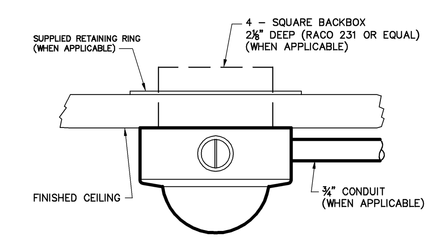


DIVISION 16 NOTES:
DIVISION 16 IS RESPONSIBLE FOR PROVIDING/INSTALLING WIRING TROUGH AND/OR CURB DEPENDING ON HOW CONDUIT ARRIVES AT EACH SEC LOCATION. SEC RACKS ARRIVE LATE IN PROJECT.

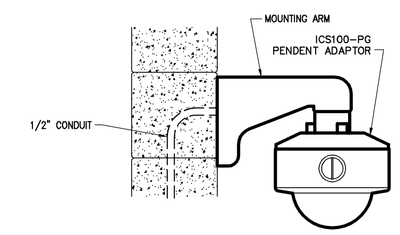
3 / SE3.2 TYPICAL SEC ELEVATION
NOT TO SCALE



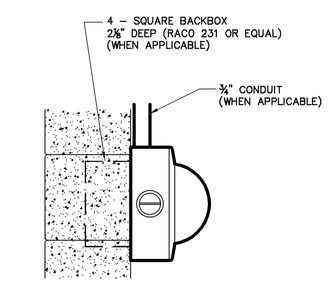
4 / SE3.2 TYPICAL EXTERIOR PARAPET–MOUNTED PTZ CAMERA
NOT TO SCALE



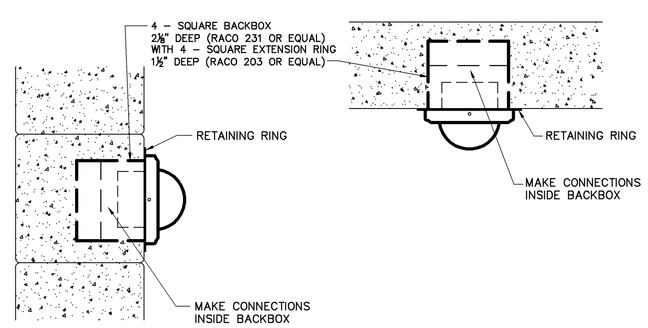
5 / SE3.2 TYPICAL CLG. SURFACE–MOUNTED INDOOR DOME CAMERA
NOT TO SCALE



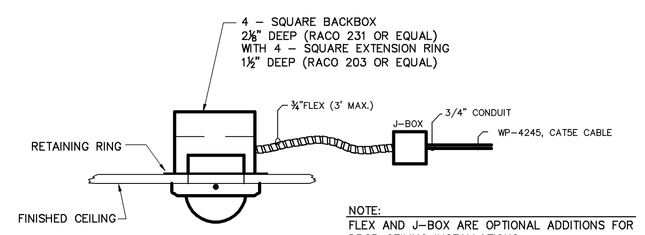
6 / SE3.2 TYPICAL WALL ARM–MOUNTED INDOOR/OUTDOOR DOME CAMERA
NOT TO SCALE



7 / SE3.2 TYPICAL WALL SURFACE–MOUNTED INDOOR DOME CAMERA
NOT TO SCALE

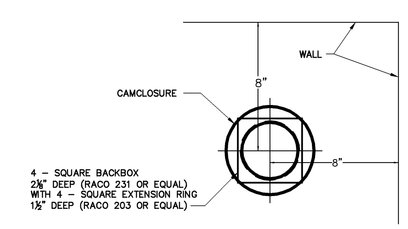


8 / SE3.2 TYPICAL WALL/CLG. FLUSH–MOUNTED INDOOR DOME CAMERA
NOT TO SCALE



NOTE:
FLEX AND J–BOX ARE OPTIONAL ADDITIONS FOR DROP CEILING INSTALLATIONS

9 / SE3.2 TYPICAL DROP CEILING–MOUNTED INDOOR DOME CAMERA
NOT TO SCALE



10 / SE3.2 TYPICAL IN CEILING CORNER MOUNT DIMENSIONS
NOT TO SCALE

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JEFFERSON, GEORGIA 30549

SECURITY ELEC. SCHEDULES AND DETAILS

DESIGN	DRAWN	CHECKED
LGD	BKS	LGD

SHEET TITLE

DATE	NO.	DESCRIPTION
10/31/07		D.E.C. / PLUMBING BID PACKAGE RELEASE
12/21/07		MECHANICAL/ELECTRICAL BID PACKAGE RELEASE
03/28/09	6	BALANCE OF REMAINING BID PACKAGES

RELEASE

03-28-08	DATE
A06136	PROJ. NUMBER
136SE3-2.dwg	CAD FILE NAME
	FILE NUMBER

SE3.2

1:\DRAWINGS\06\06136\1540 Construction Documents\136SE3-2.dwg, 4/30/2009 8:31:17 AM, 7530s