KEY:
1. ACCESS CONTROL DISTRIBUTION PANEL
2. PA DISTRIBUTION PANEL
3. MISCELLANEOUS INTERMEDIATE DISTRIBUTION PANEL(S)
4. TELCO PREMISE EQUIPMENT
5. UPS MAIN DISCONNECT
6. UPS BREAKER PANEL
7. NON-ESSENTIAL BREAKER PANEL
8. FIRE ALARM CONTROL PANEL
9. LIGHT SWITCH
10. DUCT BANK CONDUIT ENTRANCE (SEE NOTE 1)
11. OUTSIDE PHONE LINE
12. PBX PHONE (MAINTENANCE PHONE)
13. OVERHEAD CABLE TRAY
14. CEILING FLUORESCENT LIGHT FIXTURE
15. CARD BASED DOOR ACCESS SYSTEM

NOTES:
1. USE PROPER FIRE STOP, GROUNDING AND SURGE / Lighting Protection Equipment for incoming power and communications lines.
CLOSED CIRCUIT TELEVISION (CCTV) DESCRIPTION:

1. TOP/IP LOCAL NETWORK BASED SUBSYSTEM USING DIRECT ATTACHED STORAGE. LATER EXPANDING TO TERTIARY STORAGE CAPABILITY AS OCC CARRIER CAPACITY EXPANDS.

2. LOCAL VIDEO RECORDING UTILIZING REMOTE DUAL M HARD DISK DRIVE. USING "RAI" ARRANGING STANDARD 7/10 DAYS OFFICE STORAGE.

3. CAMERA SUBSYSTEM TOPOLOGY IS REDUNDANT RING USING SM FIBER BETWEEN THE AGGREGATE DISTRIBUTION SWITCHES AND THE STATION CCTV.

CLASSIFICATION: CURRENT: CONFIDENTIAL

* ADEQUATE TO AGGREGATE DISTRIBUTION SWITCHES AS REQUIRED (RING 1)

* ADEQUATE TO AGGREGATE DISTRIBUTION SWITCHES AS REQUIRED (RING 2)
NOTES:
1. EQUIPMENT CABINET LOCATED IN COMMUNICATIONS EQUIPMENT ROOM (CER)
2. CONNECT VERTICAL AC STRIP TO LE-30A, 120VAC LI-2 CIRCUIT STRIP INCLUDES (10) NEAR-TO-RECEPTABLES
NOTES:
1. UPS includes rear maintenance bypass switch
2. UPS includes Ethernet port for remote configuration and monitoring
3. All UPS receptacles are NEMA L6-30R
4. Add battery stacks to increase reserve capacity
5. Battery reserve based on 8 hours run time under maximum 12,000W load
6. Each DC will include a 120V AC / 24V DC power supply for powering adjacent DC devices
7. Shown power loads and UPS/battery ratings are typical station mandates. If the actual project or stations require larger power loads, increase UPS equipment ratings according to the project's needs.
NOTES:
1. INSTALL FOUR (4) 1" INVERTED PER 4" CONDUIT WITH PULL STRING
2. HAND-HOLE AND COVER INSTALLED AT SHAPE LEVEL MINIMUM 40 TON LOAD RATING
3. PLANTATION LEVEL PLATFORMS WITH COVER INSTALLED NEAR PLATFORM EDGE IN AREAS AWAY FROM PEDESTRIAN FOOT TRAFFIC
STATION PLATFORM WITH DUAL DISTRIBUTION CABINETS

DISTRIBUTION CABINET (DC) TYPICAL

STATION PLATFORM WITH SINGLE DISTRIBUTION CABINETS

DISTRIBUTION CABINET (DC) TYPICAL

TO NEXT DEVICE

NOTES:
1. PLACE DUCT BOXES AT INTERVALS PER TABLE 58550
2. EACH 1" DUCT BOX PROVIDES A DRY-BAY PATHWAY BETWEEN DEVICES OF THE SAME SUBSYSTEM. DEPLOY THE SCHEME FOR EACH INDIVIDUAL SUBSYSTEM. THE DRY-BAY PATHWAY WILL ALLOW NETWORK RESILIENCE FOR THOSE DEVICES WITH INTEGRATED NETWORK SHARING (FACE)
3. DEVICE QUANTITIES WILL VARY WITH STATION SIZE AND SUBSYSTEM TYPE.
4. REFER TO STATION CONDUIT RISER PLANS.

1" GRP CONDUIT, FUTURE NETWORK RESILIENCE
1" GRP CONDUIT, WITH CABLE, MATE RUN FROM DC PER DEVICE
SUBSYSTEM DEVICE WITH JUNCTION BOX (TAM, WMS, CCTV)
NOTES:
1. PROVIDE SOLID STATE SURGE PROTECTOR AT 66-BLOCK WHEN CROSS-CONNECTING ALARMS TO ANOTHER EQUIPMENT OR SIGNAL HOUSE. PROVIDE GROUNDING PER DIVISION 17 SPECIFICATIONS.
2. ADDITIONAL ALARM POINTS CAN BE ADDED AS REQUIRED.
3. ALARM Wiring SHALL BE 14-AWG, #22 AND SOLID CONNECTOR.

WALL MOUNTED 66-TYPE BLOCK AT MAIN DISTRIBUTION FRAME (MDF)

PENINSULA CORRIDOR JOINT POWERS BOARD
STANDARD DRAWINGS
STATION COMMUNICATIONS SUPPORTING SYSTEM AND OTHERS EQUIPMENT AND SECURITY ALARMS DEMARCATION

DATE: 02-06-90
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