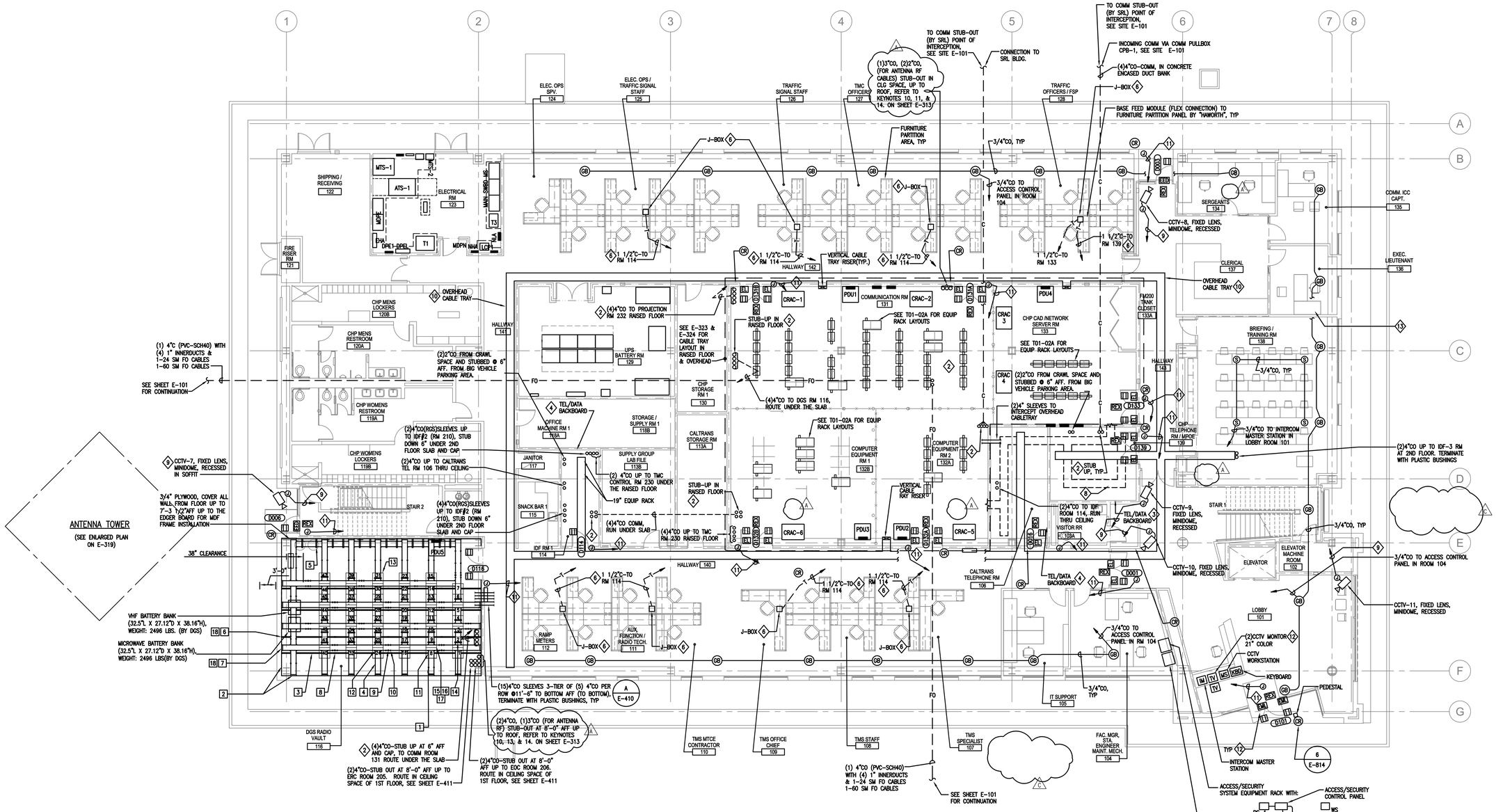


1 FIRST FLOOR SIGNAL PLAN

E-410 | REF. SCALE: 1/8" = 1'-0"

NOTES:

1. SEE SHEET E-100 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. STUB-UP CONDUITS @+6" ABOVE FINISHED FLOOR AND CAP. TERMINATE WITH PLASTIC BUSHING. PROVIDE PULL WIRE.
3. 3/4" FIRE RATED PLYWOOD BACKBOARD. COVER ALL WALL SURFACE UP TO CEILING, TYPICAL.
4. 3/4" FIRE RATED PLYWOOD BACKBOARD. COVER ALL WALL SURFACE UP TO +8'-0" ABOVE FINISHED FLOOR, TYPICAL.
5. NOT USED.
6. THE FURNITURE PARTITION WITH TEL/DATA/VIDEO OUTLETS IN THIS ROOM IS TO BE PROVIDED BY OWNER. PROVIDE J-BOXES EMBEDDED IN CONCRETE FLOOR FLUSH WITH FLOOR FOR FLEX CONNECTIONS TO THE BASE CABLE PATHWAY THRU ACCESS POINT IN THE BASE RACEWAY COVER OF THE FURNITURE PARTITION PANEL. THE J-BOXES SHALL BE CONNECTED TO THE TELEPHONE ROOM (CHP ROOM 139 OR CALTRANS ROOM 106) AS INDICATED, WITH CONDUIT ROUTED EXPOSED UNDER THE SLAB AND STUB UP AT TELEPHONE BACKBOARD. PROVIDE PULLBOXES IN THE BASEMENT AREA AS REQUIRED. THE OUTLETS SHALL BE PROVIDED BY "HAWORTH". SEE DETAIL 10 ON SHEET E-814.
7. NOT USED.
8. IN ROOMS WITH RAISED FLOOR AN 18" WIDE x 6" DEEP LADDER TYPE COMMUNICATION CABLE TRAY SYSTEM SHALL BE INSTALLED @+6" AFF SLAB. MOUNT ON UNISTRUT SUPPORTS PER DETAIL 11 ON DRAWING E-812, BOLTED TO THE SLAB TO ALLOW POWER CONDUIT RUNS UNDER THE TRAY SYSTEM.
9. PROVIDE 3/4" CONDUIT FOR CCTV CAMERAS. ROUTE CONDUIT CONCEALED IN CEILING SPACE TO THE VIDEO MATRIX SWITCHER IN SECURITY EQUIPMENT RACK LOCATED IN FACILITY MANAGER STATION ENGINEER ROOM 104. PROVIDE PULLBOXES AS REQUIRED.
10. 18"W x 6"D LADDER TYPE CABLE TRAY SYSTEM SHALL BE INSTALLED @11'-0" ABOVE FINISHED FLOOR IN CEILING SPACE TERMINATED IN BOTH TELEPHONE ROOMS. A BRANCH WILL BE ROUTED TO THE IDF-1 ROOM FOR CONNECTION TO 2ND FLOOR COMMUNICATION SYSTEM. PROVIDE HANGER SUPPORTS AS REQUIRED. COORDINATE ROUTING OF CABLE TRAY SYSTEM WITH MECHANICAL DUCT WORK. THIS IS A DEFERRED APPROVAL ITEM.
11. FROM EACH DOOR WITH ACCESS SECURITY DEVICES A J-BOX AND 3/4"CONDUIT SHALL BE PROVIDED TO ACCESS SECURITY CONTROL PANEL IN ROOM 104.
12. SEE SHEET E-613 FOR ACCESS SECURITY, CCTV AND INTERCOM SYSTEM SYMBOLS AND RISER DIAGRAM.
13. CONTRACTOR SHALL INSTALL CONDUITS FOR ALL SIGNAL DEVICES AT LOCATIONS SHOWN ON TELECOMM (T) SERIES PLAN.

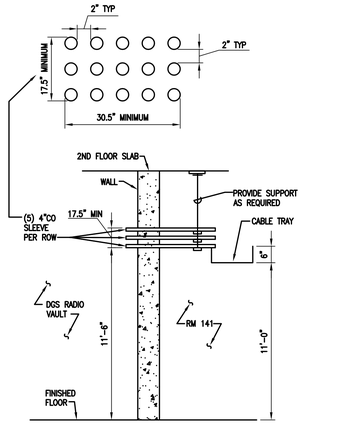
DGS RADIO VAULT NOTES:

CATALOG # SHOWN ARE FROM MANUFACTURER CHATSWORTH PRODUCT, INC. (CPI) APPROVED EQUAL COMPONENTS FROM OTHER MANUFACTURERS SHALL BE ACCEPTABLE.

1. 90° RUNWAY SPLICE KIT CPI #16314-001. AT THIS POSITION ONLY BOTTOM OF LEDGER BOARD SHALL BE INSTALLED AT 9'-3 1/2" ABOVE FINISHED FLOOR, FOR CABLE RUNWAY NOT TO INTERFERE WITH THE I-BEAM. THE CABLE RUNWAY SHALL RUN VERTICALLY FOR 2 FEET BEFORE RUNNING HORIZONTALLY TO THE LEDGER BOARD.
2. 2"x6" LEDGER BOARD (USE LONGEST LUMBER) @ 7'-3 1/2" ABOVE FINISHED FLOOR TO BOTTOM, TYP ON ALL WALLS.
3. AUXILIARY FRAMING CHANNEL, 1"x2"x10'-0" LONG CPI #11450-101 INSTALL WITH THE CHANNEL OPENING FACING UP AND THE FLAT BOTTOM @ 7'-6" ABOVE FINISHED FLOOR.
4. 12"W CABLE RUNWAY CPI #10250-012 INSTALLED W/CROSS-MEMBERS UP AND WITH SIDE RAILS DOWN THE BOTTOM OF SIDE RAIL @ 7'-7" ABOVE FINISHED FLOOR, TYPICAL FOR 7. SEE DETAIL C ON DRAWING E-324.
5. TRIANGULAR SUPPORT BRACKET KIT, ALUMINUM FOR 12"W CABLE RUNWAY CPI #11312-112, INSTALL WITHIN 12" OF EACH CABLE RUNWAY SECTION END TYPICAL.
6. WALL ANGLE SUPPORT KIT CPI #11303-000 FOR AUXILIARY FRAME CHANNEL, INSTALL WITH THE POINT ATTACHING TO THE WALL POINTING DOWN. TOP OF ANGLE @ 7'-6" ABOVE FINISHED FLOOR. SEE DETAIL A ON DRAWING E-324.
7. WALL ANGLE SUPPORT KIT FOR CABLE RUNWAY, INSTALL WITH THE POINT ATTACHING TO THE WALL POINTING DOWN. TOP OF ANGLE @ 7'-7" ABOVE FINISHED FLOOR, TYPICAL. CPI #11421-112. SEE DETAIL A ON DRAWING E-324.
8. AUXILIARY FRAMING CHANNEL SPLICE KIT, TYPICAL, CPI #10747-101.
9. CABLE RUNWAY HEAVY DUTY BUTT SPLICE KIT, GOLD COLOR TYPICAL. CPI #11299-001
10. CABLE RUNWAY TO CEILING HANGER KIT, TYPICAL CPI #11310-001. INSTALL AT MAXIMUM 6" FROM THE SPLICE. ADJUST SO THAT THE BOTTOM OF CABLE RUNWAY AREA 7'-7" ABOVE FINISHED FLOOR. ATTACHED TO THE CEILING WITH 3/8" LAG SCREWS OR EXPANSION SLEEVE ANCHOR. REPLACE THE 6' THREADED ROD WITH 12' ROD, CPI #11440-003. ADJUST LENGTH AS REQUIRED.
11. J-BOLT KIT, CPI #11306-001 FOR FRAMING CHANNEL TO CABLE RUNWAY, TYPICAL.
12. CABLE RUNWAY JUNCTION SPLICE KIT, GOLD COLOR TYPICAL. CPI #11302-001.
13. ANCHOR KIT FOR RACK INSTALLATION ON CONCRETE FLOOR, TYPICAL. CPI #40604-003
14. 14" SECTION OF AUXILIARY FRAMING CHANNEL, TYPICAL. CUT FROM CPI #11450-101.
15. RACK LINE-UP SPACER KIT, TYPICAL. CPI #40602-500.
16. J-BOLT KIT RACK/FC-14/CABLE RUNWAY, TYPICAL. CPI #11306-001.
17. 2 POST UNIVERSAL OPEN FRAME EQUIPMENT RACK, 7'-6" HIGH 19" WIDE, CLEAR COLOR, TYPICAL. CPI #46053-505.
18. (2) 1/4" TEKS SCREWS.

DGS RADIO VAULT GENERAL NOTE:

1. FOR ADDITIONAL EQUIPMENT AND CABLE TRAY LAYOUT AND DETAILS SEE APPENDIX A SPECIFICATION SECTION 260536.



A ELEVATION

E-410 | REF. SCALE: NTS

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CONSULTANT

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B	09/26/2008	BID PERIOD ADDENDUM

PROJECT NO: 60004333.4000

DRAWN BY: L. DICKENS
CHECKED BY: C. DAVIES

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No. C 24473
Exp. 12-31-09
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
CYRIL DAVIES
No. E 17631
Exp. 09-30-09
ELECTRICAL
STATE OF CALIFORNIA

SHEET TITLE

FIRST FLOOR SIGNAL PLAN

E-410

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