# ELECTRONIC SYSTEMS LEGEND

## CONNECTOR ASSEMBLIES

- (J) — ELECTRICAL JUNCTION BOX, PROVIDE 120VAC TO LOCATIONS AS INDICATED IN CONTRACT DOCUMENTS.
- M P — WALL MOUNTED MICROPHONE CONNECTOR PANEL. MOUNT SINGLE GANG BACK BOX. COORDINATE MOUNTING WITH ARCHITECTURAL MILLWORK.
- C P — WALL MOUNTED LCD REMOTE MIXER CONTROL. PROVIDE PER MANUFACTURER'S REQUIREMENTS. MOUNT 3 GANG DEEP BACK BOX 48" A.F.F. UON.
- V C — WALL MOUNTED 70V AUTOFORMER VOLUME CONTROL. MOUNT DUAL GANG DEEP BACK BOX 48" A.F.F. UON.
- M P — PAGING XLR MICROPHONE CONNECTOR
- S 8 — 8" CEILING SPEAKER ASSEMBLY WITH TRANSFORMER/BAFFLE/BACK BOX.
- (S) — AV SPEAKER ASSEMBLY BACK BOX W/ CONDUIT AS SHOWN ON RISER (BOTH TO BE PROVIDED BY CONTRACTOR). SPEAKER TO BE INSTALLED UNDER SEPARATE CONTRACT.
- C P — LCD REMOTE MIXER CONTROL PROVIDE PER MANUFACTURER'S REQUIREMENTS.
- V C — 70V AUTOFORMER, SIZE FOR SPEAKER LOAD

## AUDIO SYSTEM COMPONENTS

- METRIX MIX — MICROPHONE MATRIX MIXER
- PBX INTERFACE — TELEPHONE PAGING INTERFACE
- AM/FM TUNER — AM/FM TUNER
- CD PLAYER — CD PLAYER
- AMP — DUAL CHANNEL POWER AMPLIFIER WITH DSP PREAMP
- PAGING SYSTEMS EQUIPMENT RACK
- EXTERIOR PAGING HORN
- PAGING MICROPHONE
- DISTRIBUTION AMPLIFIER 1 X 5 — AUDIO DISTRIBUTION AMPLIFIER
- WP-PB — WATER PROOF EXTERIOR PULL BOX
- PB — INTERIOR PULL BOX
- TELEPHONE BACKBOARD

## MISC. & CABLES

- —C— CONTROL CABLE.
- —M— MICROPHONE CABLE.
- —L— LINE LEVEL CABLE.
- —S— SPEAKER CABLE.
- CONDUIT STUBBED UP.
- CONDUIT STUBBED DOWN.
- RACEWAY CONCEALED IN FLOOR AND SLAB.
- RACEWAY CONCEALED IN CEILING CAVITY, OR WALL.
- • • • CONTINUOUS SPEAKER ZONE
- △ 2 — 2X4 JUNCTION BOX MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED. EXTEND 1" CONDUIT TO CABLE TRAY. REAM AND BUSH CONDUIT END AND CONNECT TO TRAY USING CONDUIT CLAMP.
- △ 4 — 4X4 JUNCTION BOX MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED. EXTEND TWO 1" CONDUITS TO CABLE TRAY. REAM AND BUSH CONDUIT END AND CONNECT TO TRAY USING CONDUIT CLAMP.
- △ P — SINGLE GANG BOX MOUNTED 42" A.F.F. EXTEND ¾" CONDUIT TO CABLE TRAY. (FOR PUBLIC PHONE)
- △ H — SINGLE GANG BOX MOUNTED 42" A.F.F. EXTEND ¾" CONDUIT TO CABLE TRAY. (FOR HOUSE PHONE)
- (C) — J-BOX FOR SECURITY CAMERA. MOUNT ABOVE CEILING. RUN 1" CONDUIT BACK TO NEAREST CABLE TRAY.
- (S) — J-BOX FOR SECURITY CARD READER. MOUNT ABOVE CEILING. RUN 1" CONDUIT TO ROOM INDICATED.

Λ

- △ — 2 data wires
- ▲ — 4 data wires & 2 mm fibers
- ▲ — 2 data, 2 mm & 2 sm fibers
- ▲ — 4 data, 2 mm & 2 sm fibers

## ABBREVIATIONS

| | |
|---|---|
| ABV | ABOVE |
| AFF/AFG/ARF | ABOVE FINISHED FLOOR/GRADE/RAISED FLOOR |
| BFC | BELOW FINISHED CEILING |
| ARCH | ARCHITECT/ARCHITECTURAL |
| BEL | BELOW |
| C | CONDUIT |
| CLG | CEILING |
| COL | COLUMN |
| CONN | CONNECT/CONNECTION |
| CONT | CONTINUATION/CONTINUOUS |
| DN | DOWN |
| EC | EMPTY CONDUIT |
| FL | FLOOR |
| MH | MANHOLE |
| NIC | NOT IN CONTRACT |
| N/A | NOT APPLICABLE |
| SCRN | PROJECTOR SCREEN |
| SPEC | SPECIFICATION |
| UG | UNDERGROUND |
| UON | UNLESS OTHERWISE NOTED |
| BASE | BASE MOUNTED BOX |

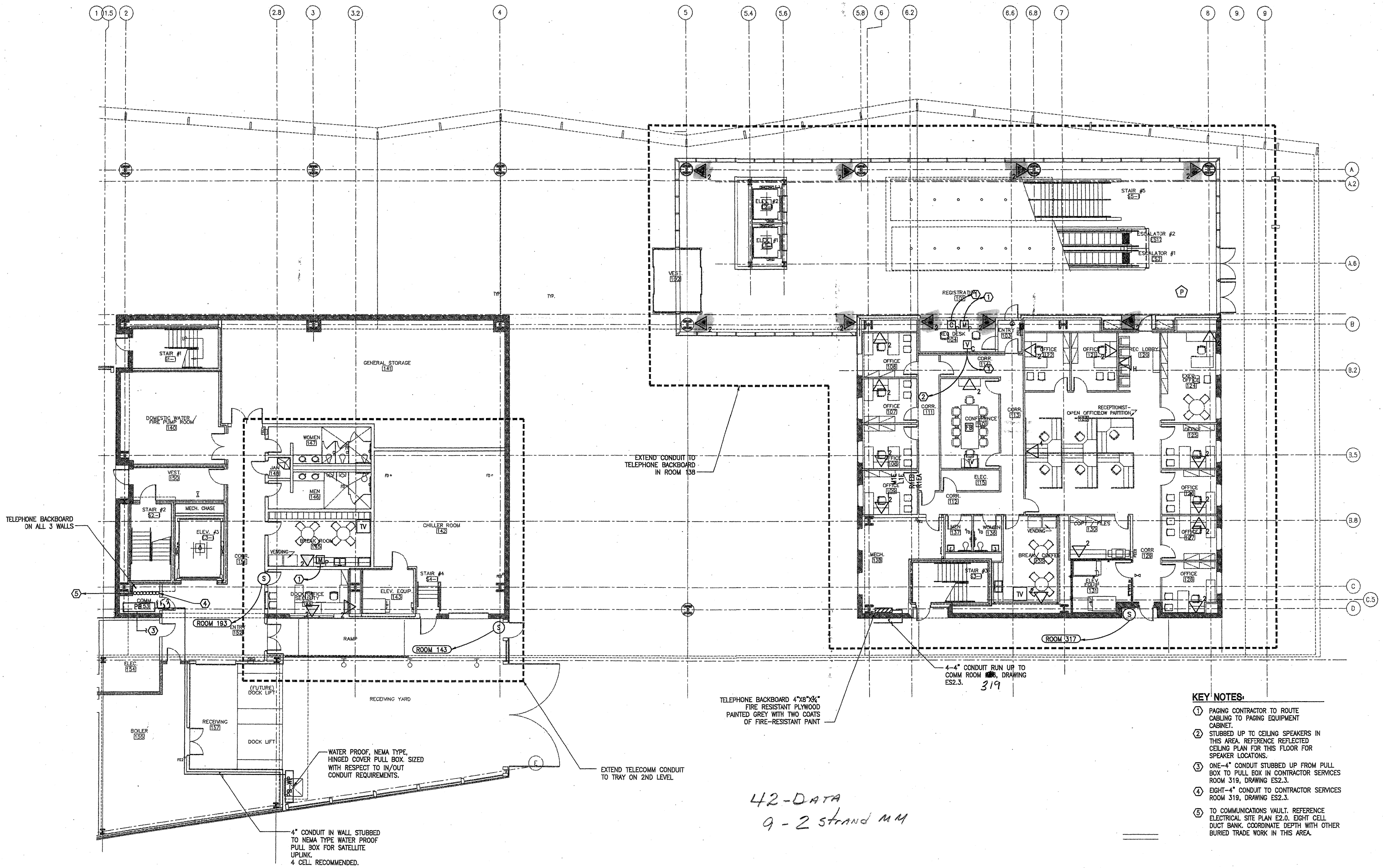
PBX - network Elec. AV - Video Cont.

All Crk 6

**NOTES:** (THIS SHEET ONLY)

1. **PAGING SYSTEMS DEVICES INDICATED IN THIS LEGEND ARE TO BE PROVIDED BY PAGING SYSTEMS CONTRACTOR. COORDINATE BACK BOXES, CONDUIT AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR.**

TOTAL: 1049 DATA
90 MM
15 SM

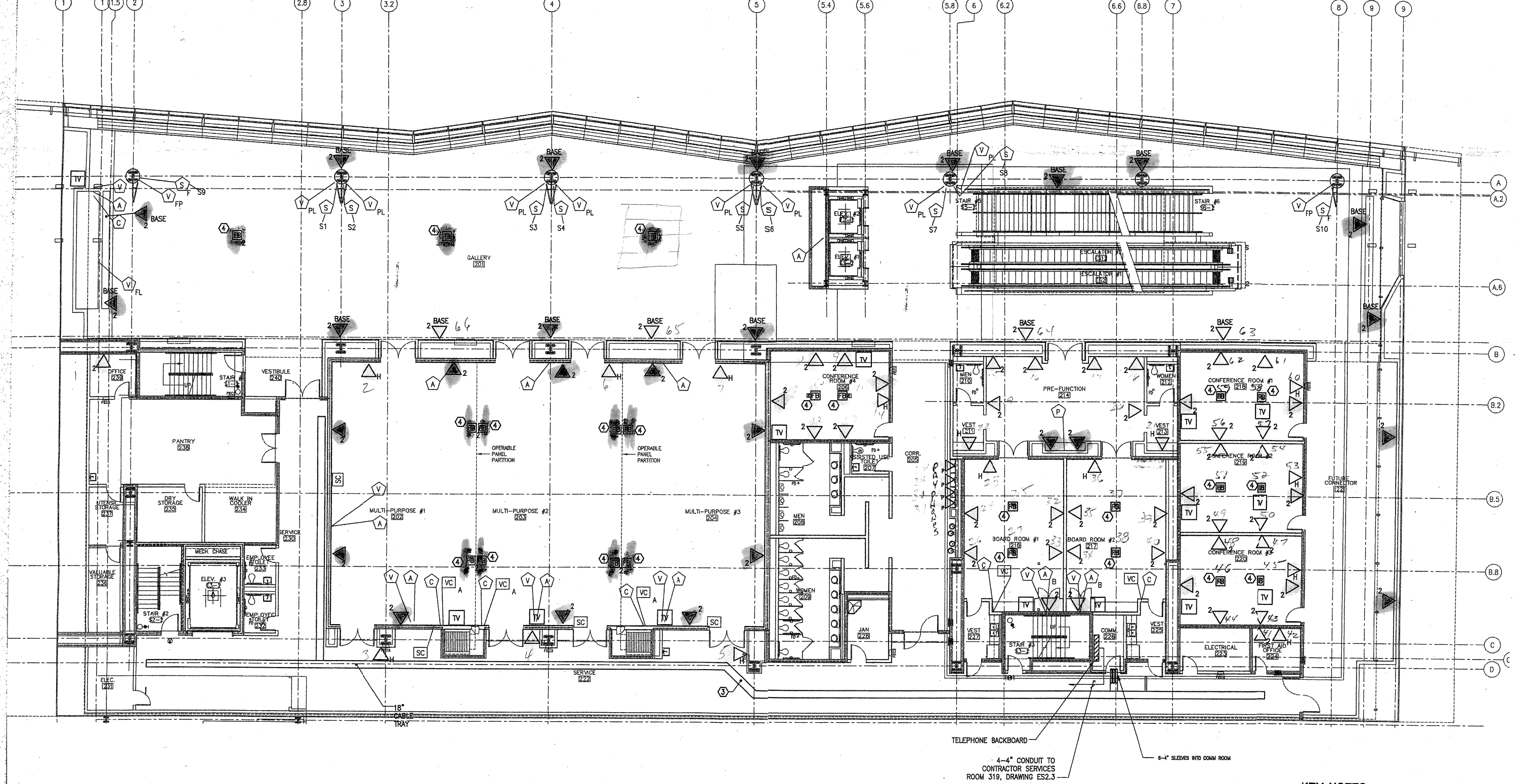



## KEY NOTES:

1. PAGING CONTRACTOR TO ROUTE CABLING TO PAGING EQUIPMENT CABINET.
2. STUBBED UP TO CEILING SPEAKERS IN THIS AREA. REFERENCE REFLECTED CEILING PLAN FOR THIS FLOOR FOR SPEAKER LOCATIONS.
3. ONE-4" CONDUIT STUBBED UP FROM PULL BOX TO PULL BOX IN CONTRACTOR SERVICES ROOM 319, DRAWING ES2.3.
4. EIGHT-4" CONDUIT TO CONTRACTOR SERVICES ROOM 319, DRAWING ES2.3.
5. TO COMMUNICATIONS VAULT. REFERENCE ELECTRICAL SITE PLAN E2.0. EIGHT CELL DUCT BANK. COORDINATE DEPTH WITH OTHER BURIED TRADE WORK IN THIS AREA.

NORTH

1 / ES2.1 **FIRST FLOOR**
Scale: 1/8" = 1'-0"




304 DATA
48 2 STRAND MM
10 2 STRAND SM

## KEY NOTES:

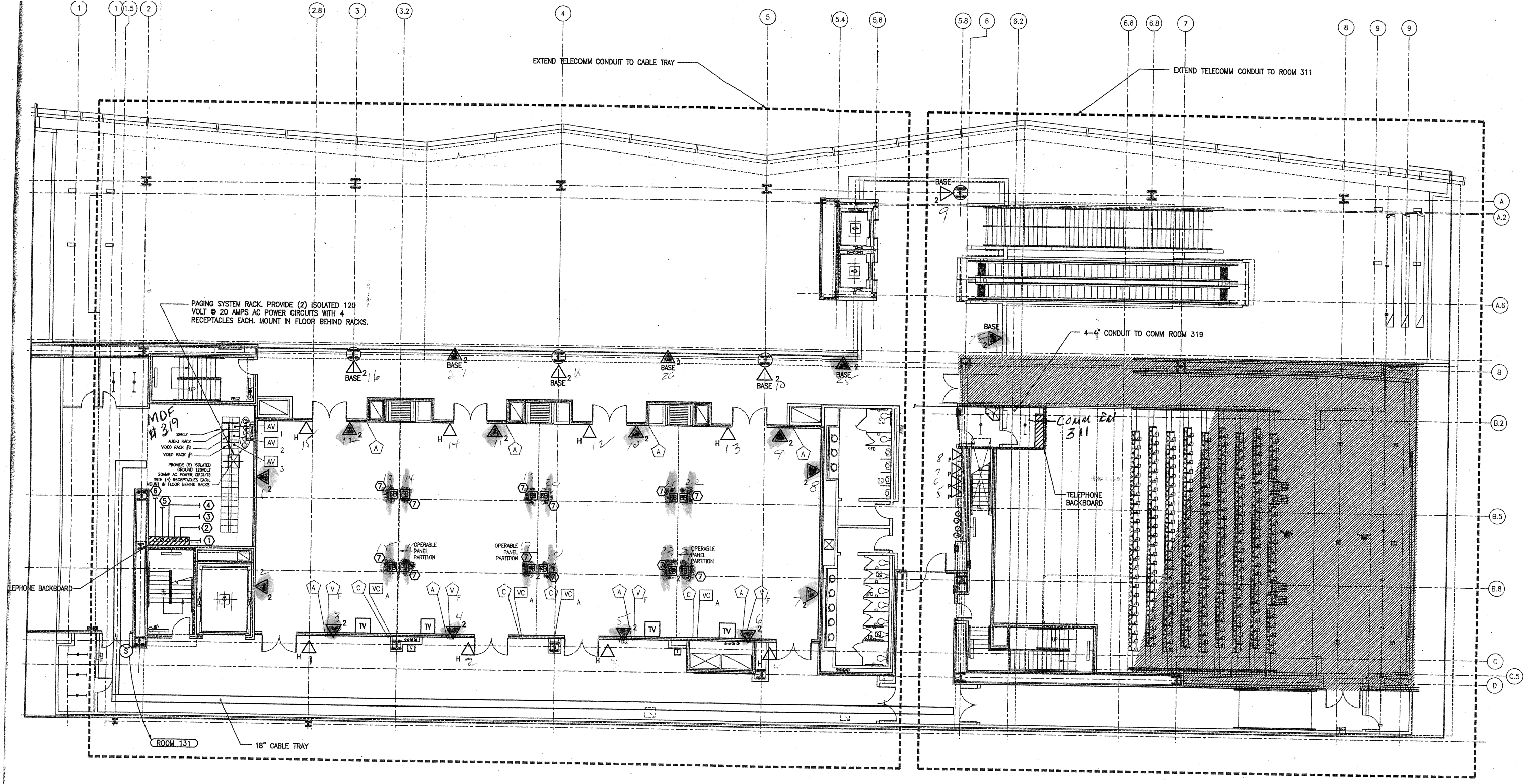
1. CONTRACTOR TO ROUTE CABLING TO PAGING EQUIPMENT CABINET.
2. STUBBED UP TO CEILING SPEAKERS IN THIS AREA. REFERENCE REFLECTED CEILING PLAN FOR THIS FLOOR FOR SPEAKER LOCATIONS.
3. OFFSET CABLE TRAY AS REQUIRED TO MISS OTHER TRADE WORK. SEE DRAWING M2.2 FOR DETAILS.
4. RUN 1" CONDUIT FOR FUTURE COMMUNICATIONS CABLE FROM ALL SPARE (MIN 3) CONNECTION POINTS IN FLOOR BOX TO CABLE TRAY.

## NOTES:

1. AUDIOVISUAL DEVICES IN THIS DRAWING ARE SHOWN FOR LOCATION AND REFERENCE OF BACK BOXES AND CONDUIT REQUIREMENTS. AUDIOVISUAL & ELECTRICAL CONTRACTOR TO REFERENCE AV DRAWINGS FOR DEVICE REQUIREMENTS AND ADDITIONAL INFORMATION.
2. SEE ES1.2 & ES1.3 FOR AV DEVICE LEGEND AND CONDUIT ROUTING.

NORTH

1 ES2.2 **SECOND FLOOR**
Scale: 1/8" = 1'-0"




112 DATA
28 25 strand MM

## KEY NOTES:

1. 1-4" CONDUIT TO ELEC ROOM 115.
2. 4" CONDUIT RUN TO PULL BOX IN COMM ROOM 153 FOR SATELLITE UPLINKS.
3. 4-4" CONDUIT TO COMM ROOM 226.
4. 4" CONDUIT RUN COMM ROOM 311.
5. 4" CONDUIT TO PENTHOUSE ROOF WITH WATERTIGHT CAP OR MASKHEAD.
6. EIGHT 4" CONDUITS TO IN COMM ROOM 153.
7. RUN 1" CONDUIT FOR FUTURE COMMUNICATIONS CABLE FROM ALL SPARE (MIN 3) CONNECTION POINTS IN FLOOR BOX TO CABLE TRAY.

## NOTES:

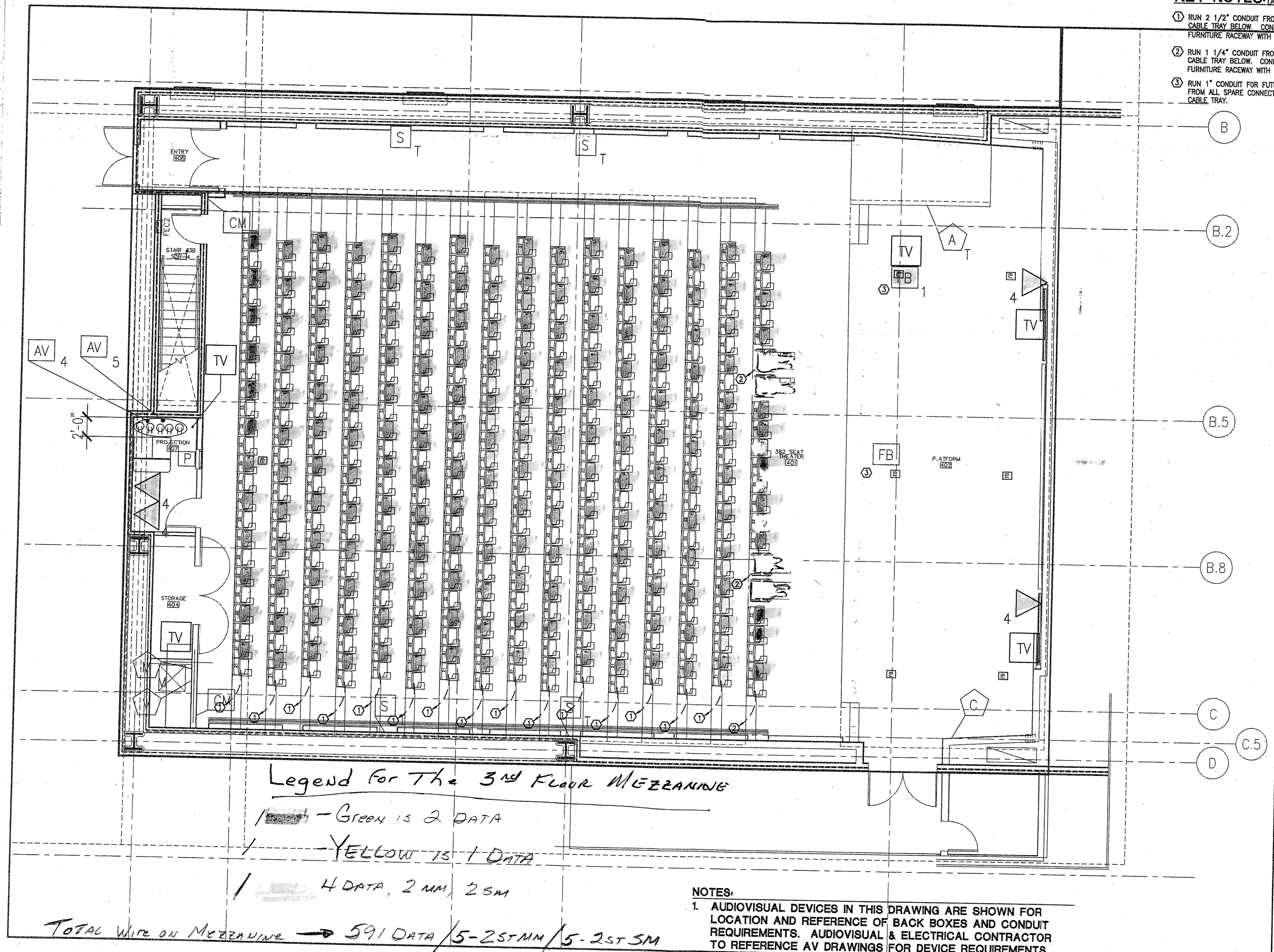
1. AUDIOVISUAL DEVICES IN THIS DRAWING ARE SHOWN FOR LOCATION AND REFERENCE OF BACK BOXES AND CONDUIT REQUIREMENTS. AUDIOVISUAL & ELECTRICAL CONTRACTOR TO REFERENCE AV DRAWINGS FOR DEVICE REQUIREMENTS AND ADDITIONAL INFORMATION.
2. SEE ES1.2 & ES1.3 FOR AV DEVICE LEGEND AND CONDUIT ROUTING.

NORTH

1 ES2.3 THIRD FLOOR
Scale: 1/8" = 1'-0"

## KEY NOTES: (APPLIES TO THIS DRAWING ONLY)

1. RUN 2 1/2" CONDUIT FROM EACH FLOOR BOX TO THE CABLE TRAY BELOW. CONNECT THE FLOOR BOX TO THE FURNITURE RACEWAY WITH 2 1/2" FLEX.
2. RUN 1 1/4" CONDUIT FROM EACH FLOOR BOX TO THE CABLE TRAY BELOW. CONNECT THE FLOOR BOX TO THE FURNITURE RACEWAY WITH 1 1/4" FLEX.
3. RUN 1" CONDUIT FOR FUTURE COMMUNICATIONS CABLE FROM ALL SPARE CONNECTION POINTS IN FLOOR BOX TO CABLE TRAY.




TOTAL - 591 DATA
5 - 2 ST MM
5 - 2 ST SM

Legend For The 3rd Floor MEZZANINE

- Green is 2 DATA
- Yellow is 1 DATA
- 4 DATA, 2 MM, 2 SM

TOTAL Wire on MEZZANINE → 591 DATA / 5-2ST MM / 5-2ST SM

NOTES:

1. AUDIOVISUAL DEVICES IN THIS DRAWING ARE SHOWN FOR LOCATION AND REFERENCE OF BACK BOXES AND CONDUIT REQUIREMENTS. AUDIOVISUAL & ELECTRICAL CONTRACTOR TO REFERENCE AV DRAWINGS FOR DEVICE REQUIREMENTS AND ADDITIONAL INFORMATION.
2. SEE ES1.2 & ES1.3 FOR AV DEVICE LEGEND AND CONDUIT ROUTING.

NORTH

1 / E2.4 THIRD FLOOR MEZZANINE
Scale: 1/4" = 1'-0"