AV DEVICE LEGEND

LCD-##	MEDIUM FLAT PANEL LCD DISPLAY ON ARTICULATING WALL MOUNT. 4SQ BACK BOX, 1" CONDUIT, 120 AC AND CATV DROP.
S 70v	70 VOLT PROGRAM SPEAKER. CEILING MOUNT. PENDANT MOUNT.
PJT	VIDEO PROJECTOR MOUNTED ON TILE BRIDGE MOUNT WITH ELECTRICAL RECEPTACLE
AM	120V 15A DUPLEX. 4 SQUARE BACK BOX WITH 1" CONDUIT TO AIR SPACE FOR CATV. AT 84" A.F.F.
	AV EQUIPMENT RACK WALL MOUNTED
VC	VIDEOCONFERENCING CAMERA, WALL MOUNT.4SQ BACK BOX. 1" CONDUIT TO ACCESSIBLE AIR SPACE. AT 84"
TP7	CONTROL PANEL. 7" TOUCH SCREEN. 4 SQUARE BACK BOX. 3/4" CONDUIT TO ACCESSIBLE AIR SPACE.
WCP	CONTROL PANEL, TOUCH BUTTON, 1 GANG BACK BOX. 3/4" CONDUIT TO ACCESSIBLE AIR SPACE
3	3 GANG J BOX. AT 18" AFF. TWO 1" CONDUITS TO AIRSPACE ABOVE CEILING.
2	2 GANG J BOX. AT 18" AFF. TWO 1" CONDUITS TO AIRSPACE ABOVE CEILING.

DETAIL BUBBLE REFERENCE

X — DETAIL LETTER
TAXX — DETAIL SHEET

AUDIO VISUAL SHEET INDEX

SHEET NUMBER	SHEET NAME
TA001	AUDIO VISUAL LEGEND AND NOTES
TA201	AUDIO VISUAL GROUND FLOOR PLAN
TA202	AUDIO VISUAL SECOND FLOOR PLAN
TA401	AUDIO VISUAL DETAILS

AUDIO VISUAL - ARCHITECTURAL AND INTERIORS COORDINATION

1 VERIFY AND COORDINATE DEVICE SIZES, DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS.

2 WHERE CONFLICTS BETWEEN AUDIOVISUAL, ELECTRICAL AND INTERIOR DRAWINGS OCCUR, ARCHITECTURAL DRAWINGS TAKE PRECEDENCE, EXCEPT IN THE CASE OF
CONFLICTS WITH OPTICAL PROJECTION DEVICES. IN THE CASE OF CONFLICTS WITH OPTICAL PROJECTION DEVICES, BRING SUCH CONFLICT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH CONSTRUCTION OR FABRICATION.
1.WHERE CONFLICTS BETWEEN AUDIOVISUAL, ELECTRICAL AND INTERIOR DRAWINGS OCCUR, ARCHITECTURAL DRAWINGS TAKE PRECEDENCE, EXCEPT IN THE CASE OF
CONFLICTS WITH OPTICAL PROJECTION DEVICES. IN THE CASE OF CONFLICTS WITH OPTICAL PROJECTION DEVICES, BRING SUCH CONFLICT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH CONSTRUCTION OR FABRICATION.

3 WHERE EXACT DIMENSIONS ARE CALLED FOR THE REFERENCE SURFACE FOR THE MEASUREMENT SHALL BE THE FINISHED WALL SURFACE FOR ALL DEVICES EXCEPT FLOOR BOXES. THE REFERENCE SURFACE FOR FLOOR BOXES SHALL BE A COLUMN LINE.

4 MILLWORK, FIXTURES, WALLS, CEILINGS AND FLOORS IN PROJECTION ROOMS
AND REAR PROJECTION PLENUMS SHALL BE FINISHED IN FLAT BLACK.SPECULAR AND REFLECTIVE SURFACES SHALL NOT BE USED IN THESE SPACES.

5 WHERE AUDIOVISUAL DEVICES, SUCH AS MICROPHONES, LOUDSPEAKERS, INTERFACE PLATES, OR INTERCONNECTION DEVICES ARE FASTENED OR ATTACHED TO MILLWORK, CASEWORK, OR FURNITURE, PROVIDE MANUFACTURER'S DIMENSIONAL DRAWINGS TO THE OWNER'S REPRESENTATIVE UPON REQUEST. IF REQUESTED, ALSO PROVIDE A PHYSICAL SAMPLE OF THE DEVICE TO THE OWNER'S REPRESENTATIVE FOR USE IN COORDINATING THE INSTALLATION OF THE DEVICES.

6 WHERE PLASTIC OR METAL LOUDSPEAKER GRILLES ARE USED IN PAINTED WALLS OR CEILINGS, THE LOUDSPEAKER GRILLES SHALL BE PAINTED TO MATCH THE SURROUNDING SURFACE.PAINTING SHALL OCCUR PRIOR TO INSTALLATION AND ASSEMBLY OF THE LOUDSPEAKERS.

7 FRONT PROJECTION SCREENS SHALL BE PROVIDED WITH EXTRA BLACK DROP AT THE TOP OF THE SCREEN TO PLACE THE BOTTOM OF THE SCREEN AT 42" AFF, UNLESS ANOTHER HEIGHT IS INDICATED.DIMENSIONS IN THESE DRAWINGS ARE THE CLEAR IMAGE AREA OF THE SCREEN, EXCLUSIVE OF ANY BLACK DROP, EDGE BORDER, OR WEIGHT BAR.

AUDIO VISUAL - ELECTRICAL NOTES

VERIFY AND COORDINATE SIZES, DIMENSIONS AND LOCATIONS OF AV ELECTRICAL DEVICES WITH ARCHITECTURAL, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS.

1 AUDIOVISUAL EQUIPMENT SHOWN ON THESE PLANS IS SPECIFIED UNDER DIVISION 11, SECTIONS 11130 THROUGH 11139 AND IS NOT INCLUDED IN WORK COVERED BY DIVISION 16 SPECIFICATIONS.COORDINATE WORK BETWEEN DIVISION 16 AND DIVISION 11 WORKS.

2 WHERE EXACT DIMENSIONS ARE CALLED FOR THE REFERENCE SURFACE FOR THE MEASUREMENT SHALL BE THE FINISHED WALL SURFACE FOR ALL DEVICES EXCEPT FLOOR BOXES. THE REFERENCE SURFACE FOR FLOOR BOXES SHALL BE A COLUMN LINE.

3 WHERE POWER, COMMUNICATION, AND AV LOW VOLTAGE ELECTRICAL BOXES AND DEVICES ARE GROUPED TOGETHER AT THE SAME LOCATION, MOUNT THE BOXES AS CLOSE TOGETHER AS PHYSICALLY POSSIBLE, WHILE LEAVING SUFFICIENT SPACE FOR COVER PLATES.

4 ELECTRICAL POWER RECEPTACLES CIRCUITS SHOWN ON THESE DRAWINGS ARE REQUIRED FOR USE OF AUDIO, VIDEO, CONFERENCING AND AUDIOVISUAL CONTROL EQUIPMENT.ADDITIONAL ELECTRICAL RECEPTACLES MAY BE INDICATED ON THE ELECTRICAL DRAWINGS OR REQUIRED BY CODE. COORDINATE BETWEEN THE ELECTRICAL DRAWINGS AND THE AV DRAWINGS.

5 PROVIDE CIRCUITING FOR ELECTRICAL POWER RECEPTACLES CIRCUITS SHOWN ON THESE DRAWINGS FROM THE SAME PANEL FOR ALL DEVICES IN THE SAME ROOM. IF POSSIBLE, USE THE SAME LEG (PHASE) FOR CIRCUITS IN THE SAME ROOM. DO NOT SHARE CIRCUITS WITH OTHER DEVICES, EXCEPT FOR THOSE CONNECTED TO THE AUDIOVISUAL SYSTEM.

6 WHERE ELECTRICAL RECEPTACLES ARE SHOWN ON THESE DRAWINGS AND DO NOT REFER TO A SPECIFIC CIRCUIT, PANEL OR ISOLATED GROUND, THESE CIRCUITS MAY BE POWERED FROM STANDARD BUILDING POWER CIRCUIT PANELS AND ARE NOT REQUIRED TO HAVE ISOLATED GROUNDS.

7 AUDIOVISUAL CIRCUITS SHALL BE KEPT ISOLATED FROM INTERFERENCE CAUSED BY LIGHTING DIMMERS, LARGE MOTORIZED EQUIPMENT, INDUCTIVE LOADS AND LOADS WITH LARGE IN-RUSH CURRENT.

8 EMPTY CONDUIT RUNS SHOWN ON THESE DRAWINGS OR ON OTHER DRAWINGS FOR USE IN CONNECTING THE AUDIOVISUAL EQUIPMENT SHALL BE CLEANED, DEBURRED, TAPED, LABELED AT BOTH ENDS AND AT PULL AND JUNCTION BOXES, AND PROVIDED WITH A PULL STRING BY THE INSTALLER OF THE CONDUIT.

9 RUN EMPTY CONDUIT FOR USE IN CONNECTING THE COMPONENTS OF THE AV SYSTEMS A MINIMUM OF FOUR FEET AWAY FROM PARALLEL CONDUITS CONTAINING ELECTRICAL POWER CONDUCTORS.

10 PROVIDE A PULL BOX IN THE RUN FOR EACH RUN IN EXCESS OF 100 FEET OR WHERE THE NUMBER OF BENDS EXCEEDS THREE OR WHERE THERE ARE MORE THAN 270 DEGREES OF DIRECTIONAL CHANGE.

11 ALL CONDUITS SHALL BE 1" EMT UNLESS OTHERWISE NOTED. CONDUIT SIZES ARE GIVEN BASED ON USE OF EMT. WHERE FLEXIBLE CONDUIT IS USED, INCREASE THE CONDUIT SIZE BY ONE TRADE SIZE (I.E., USE 1-1/4" FLEXIBLE CONDUIT AS A SUBSTITUTE FOR 1" EMT).

12 PROVIDE A PULL STRING IN ALL CONDUITS.

AUDIO VISUAL - GENERAL NOTES

1 CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THE ENTIRE AREA OF WORK PRIOR TO COMMENCING WORK IN THAT AREA, INCLUDING ADJACENT AREAS AND OTHER EQUIPMENT, COMPONENTS, OR SYSTEMS TO BE INSTALLED. BRING DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF THE WORK.

2 COORDINATE THE WORK TO SUPPORT THE AV CABLING INFRASTRUCTURE AND DEVICES, INCLUDING, BUT NOT LIMITED TO, POWER, CEILING COMPONENTS, MILLWORK, PATHWAYS, RACEWAYS, SLEEVES, CONDUITS, CABLE TRAYS, SUPPORT SYSTEMS, BACKBOARDS, ETC.

3 PROVIDE ALL WORK NECESSARY TO SUPPORT THE AUDIOVISUAL SYSTEMS, INCLUDING CONDUIT RUNS AND PATHWAYS, FLOOR BOXES, CUT-IN BOXES, JUNCTION BOXES, CONDUIT STUB-UPS, ELECTRICAL POWER OUTLETS.

4 MATCH ALL FACEPLATE FINISHES TO ELECTRICAL OUTLET FACEPLATE FINISH, OR AS DIRECTED BY THE ARCHITECT. UNLESS OTHERWISE NOTED.

5 SUPPORT CABLES INSTALLED CEILING SPACES USING J-HOOKS OR SADDLES ON 5 FOOT CENTER (MAXIMUM). MAXIMUM NUMBER OF CABLES PER J-HOOK SHALL BE EQUAL TO THE CROSS SECTIONAL AREA OF 32 CATEGORY 5E CABLES FOR 50 mm J-HOOKS AND 200 FOR SADDLES.

6 CABLES, FACEPLATES, AND PATCH PANELS SHALL BE LABELED AT BOTH ENDS USING A MACHINE GENERATED LABEL (PANDUIT, BRADY OR EQUAL). NO HAND WRITTEN LABELS SHALL BE PERMITTED.

7 THE DRAWINGS AND SPECIFICATIONS ARE COMPLIMENTARY.COMPLY WITH THE REQUIREMENTS OF BOTH.WHERE DRAWINGS AND SPECIFICATIONS ARE IN CONFLICT, REQUEST CLARIFICATION FROM THE OWNER IN WRITING.

8 WHERE INSTALLATION METHODS AND REQUIREMENTS ARE NOT IDENTIFIED IN THE ABOVE REFERENCED CODES, STANDARDS AND PRACTICES, OR IN THE CONTRACT DOCUMENTS, COMPLY WITH THE RECOMMENDATIONS AND METHODS OF THE FOLLOWING REFERENCES:

A. BICSI. TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL (TDMM), 12TH EDITION, 2009.

B. BICSI. INFORMATION TECHNOLOGY SYSTEMS INSTALLATION METHODS MANUAL, 6TH EDITION.

C. INFOCOMM-BICSI. AV DESIGN REFERENCE MANUAL, 1ST EDITION. 2006.

9 PLACE PROJECTION SCREENS A MINIMUM OF 7" FROM THE NEAREST WALL TO AVOID CONFLICT BETWEEN THE PROJECTION SCREEN FABRIC AND DEVICES BEHIND THE SCREEN, SUCH AS WHITEBOARDS, FLAT PANEL DISPLAYS, AND ELECTRICAL DEVICES.

10 WHERE COMPONENTS AND EQUIPMENT REQUIRED FOR THE AV SYSTEM ARE NOT INDICATED AS PORTABLE, SECURE COMPONENTS AND EQUIPMENT IN PLACE AS RECOMMENDED OR INDICATED BY THE MANUFACTURER AND REQUIRED BY ALL RELEVANT CODES. PROVIDE STRUCTURAL CALCULATIONS FOR ATTACHMENTS AND FASTENINGS IF REQUIRED.

AUDIO VISUAL - SYSTEMS INTERCONNECTION NOTES

1 WHERE THE AUDIOVISUAL SYSTEMS INTERCONNECT TO AND/OR OTHER SYSTEMS
OR DEVICES PROVIDED BY OTHERS, ARRANGE COORDINATION WITH THE INSTALLER AND MANUFACTURER OF THOSE DEVICES TO ENSURE PROPER INTERCONNECTION BETWEEN THE SYSTEMS AND TO PROVIDE CORRECT OPERATIONS OF THOSE DEVICES FROM THE AUDIOVISUAL SYSTEMS.

2 SUCH SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO, LIGHTING SYSTEMS, DRAPERY & SHADE SYSTEMS, PROJECTION SCREENS, PROJECTOR CONCEALMENT DEVICES (LIFTS, MIRRORS, ETC.), HVAC SYSTEMS, TELECOMMUNICATIONS AND TELEPHONE SYSTEMS, DATA NETWORKS, OR SECURITY SYSTEMS.

SHEET NOTES

BID SUBMISSION
NOVEMBER 04, 2013

Revisions:	Date

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Drawing Title: AUDIO VISUAL LEGEND AND NOTES

Approved: Project Director

Project Title: MPD - EXPAND HOMELESS DOMICILIARY OUTPATIENT AND THERAPY PROGRAMS

Location: 795 WILLOW ROAD, MENLO PARK, CA

Date: NOVEMBER 04, 2013 | Checked: ES | Drawn: SO

Project Number: 640-382

Building Number: 349

Drawing Number: TA001

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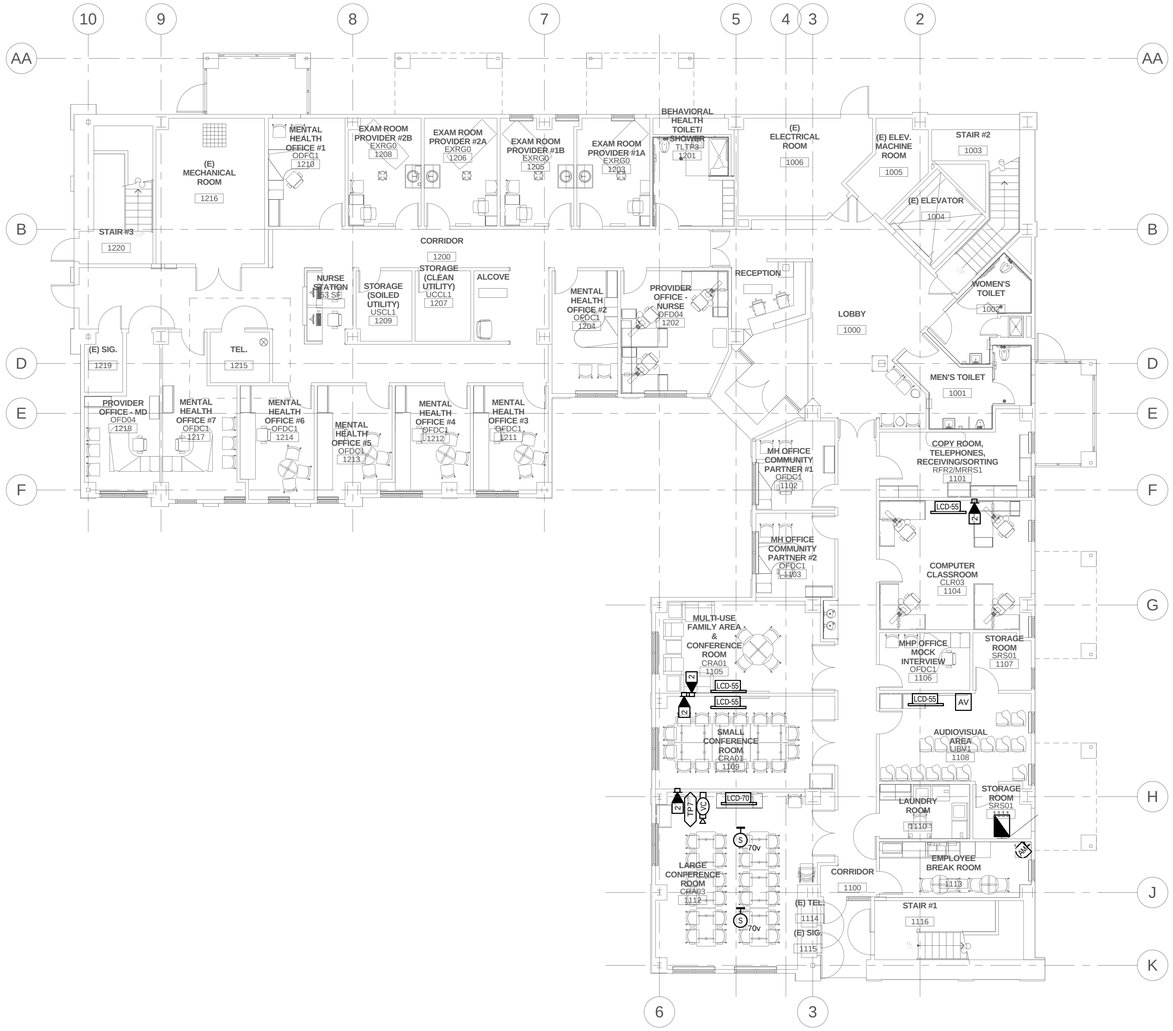
Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

SHEET NOTES



AV GROUND FLOOR PLAN

1/8" = 1'-0"

BID SUBMISSION
NOVEMBER 04, 2013

Revisions:	Date

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Drawing Title: AUDIO VISUAL GROUND FLOOR PLAN

Approved: Project Director

Project Title: MPD - EXPAND HOMELESS DOMICILIARY OUTPATIENT AND THERAPY PROGRAMS

Location: 795 WILLOW ROAD, MENLO PARK, CA

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Project Number: 640-382

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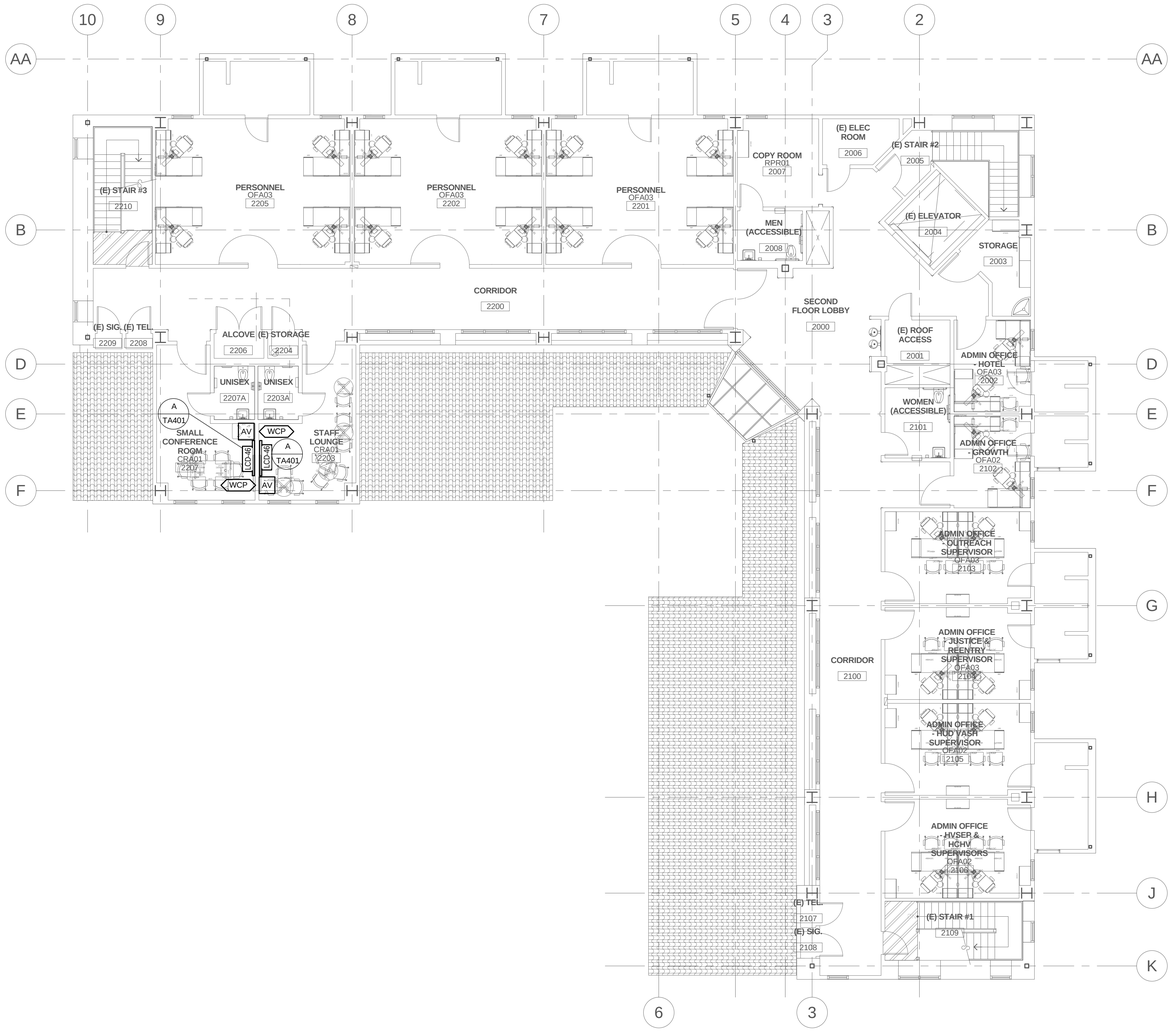

AV SECOND FLOOR PLAN

1/8" = 1'-0"

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Drawing Title
AUDIO VISUAL SECOND FLOOR PLAN

Approved: Project Director

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795 WILLOW ROAD, MENLO PARK, CA

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SO

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TA202

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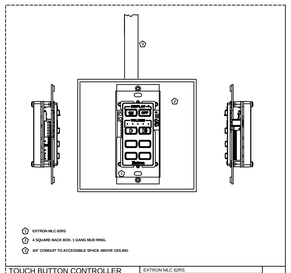
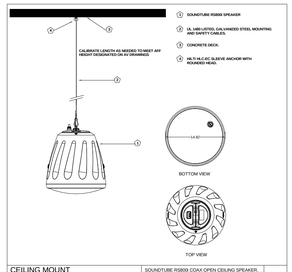


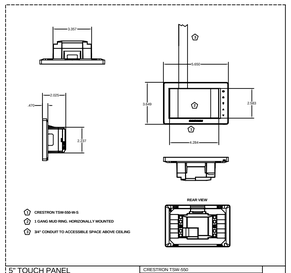
TOUCH BUTTON CONTROLLER WALL MOUNTED- ONE GANG NOTE: INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	EXTRON ML-C EDRS	H

(H) TOUCH BUTTON CONTROLLER
NTS



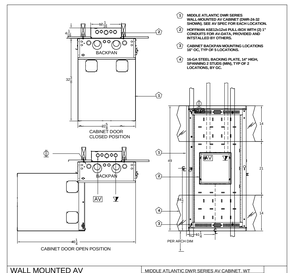
CEIILING MOUNT PENDANT SPEAKER NOTE: INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	SOUNDTURE RS809 COAX OPEN CEILING SPEAKER. 20 POUNDS.	D

(D) CEILING MOUNTED PENDANT SPEAKER
NTS



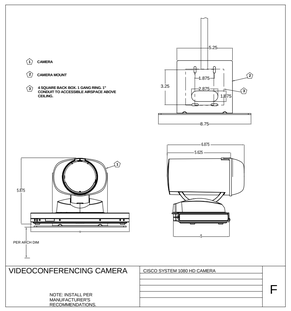
5" TOUCH PANEL WALL MOUNTED NOTE: INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	CRESTRON TSW-550	G

(G) 5" TOUCH PANEL
NTS



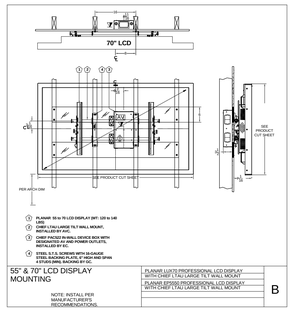
WALL MOUNTED AV EQUIPMENT CABINET NOTE: INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	MIDDLE ATLANTIC DWR SERIES AV CABINET, WT CAP 300 LBS. MAP DWR-24-32 SHOWN ABOVE. CABINET SIZE: 24" DEEP X 32" HIGH X 24" WIDE. WITH KICKPANN RISE 12(CLOSTPILL BOR WID) BACKING: PROVIDED AND INSTALLED BY OTHERS:	C

(C) WALL MOUNTED AV EQUIPMENT CABINET
NTS



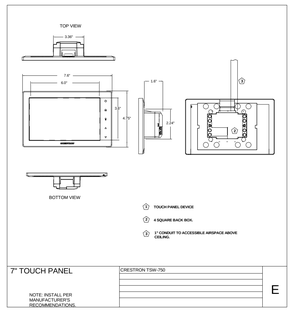
VIDEOCONFERENCING CAMERA NOTE: INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	CISCO SYSTEM 1080 HD CAMERA	F

(F) VIDEOCONFERENCING CAMERA
NTS



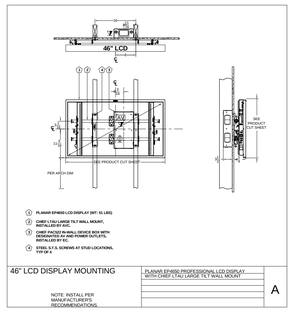
55" & 70" LCD DISPLAY MOUNTING NOTE: INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	PLANAR LUX70 PROFESSIONAL LCD DISPLAY WITH CHIEF LTM-LARGE TILT WALL MOUNT. PLANAR EP550 PROFESSIONAL LCD DISPLAY WITH CHIEF LTM-LARGE TILT WALL MOUNT.	B

(B) 55" & 70" LCD DISPLAY MOUNTING
NTS



7" TOUCH PANEL NOTE: INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	CRESTRON TSW-750	E

(E) 7" TOUCH PANEL
NTS



46" LCD DISPLAY MOUNTING NOTE: INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	PLANAR EP4650 PROFESSIONAL LCD DISPLAY WITH CHIEF LTM-LARGE TILT WALL MOUNT.	A

(A) 46" LCD DISPLAY MOUNTING
NTS

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