



BID DOCUMENTS COVER SHEET

CONTRACT DOCUMENTS

FOR

**L-1161 CONFERENCE ROOM & COMMUNITY ROOM  
AUDIO-VISUAL UPGRADES**

AT

**Los Medanos College**  
2700 East Leland Road, Pittsburg, CA 94565

CONTRA COSTA COMMUNITY COLLEGE DISTRICT

Consists of the following:

**VOLUME 2**  
**DRAWINGS**

DSA Appl. #01-119293

Architect:

**SMITH, FAUSE & McDONALD, INC.**

San Francisco, CA 94103

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**February 19, 2021**



# COMMUNITY AND CONFERENCE ROOMS AV UPGRADES LOS MEDANOS COLLEGE 2700 E. LELAND ROAD, PITTSBURG, CALIFORNIA

LOCATION MAP

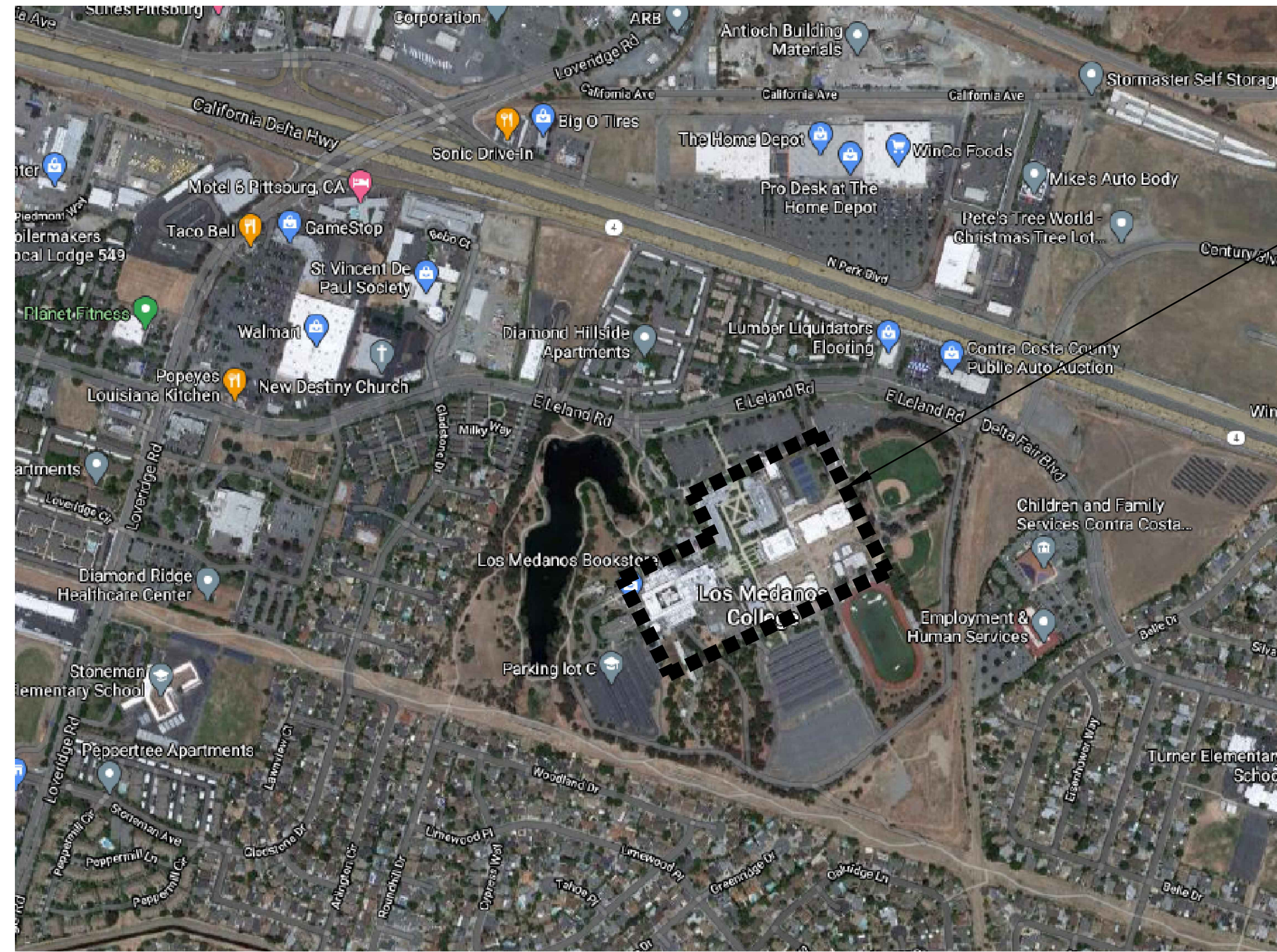


INFORMATION  
RESOURCE  
CENTER

STUDENT  
SERVICES  
CENTER

THE CORE  
BUILDING

VICINITY MAP



PROJECT  
LOCATION

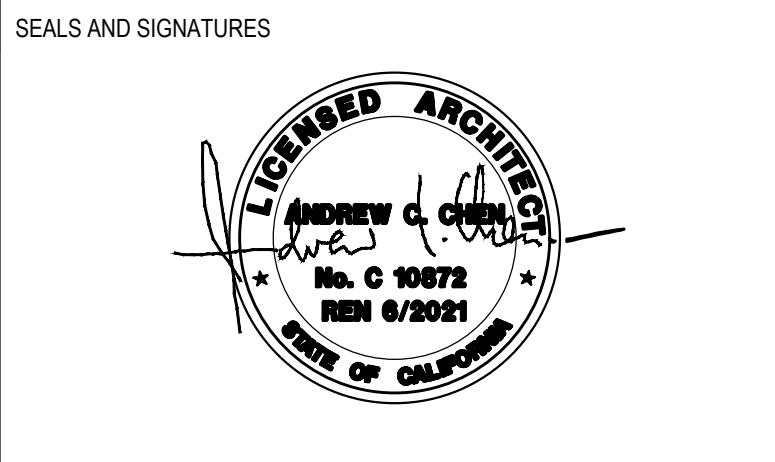
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ISSUE SCHEDULE	NO.	DATE
PLAN REVIEW SUBMITTAL V1		12/30/2020
PLAN REVIEW SUBMITTAL V2		02/03/2021

ABBREVIATIONS

LEGEND/SYMBOLS

DEFINITIONS

GENERAL NOTES

PROJECT DESCRIPTION SCOPE

&	AND	FAST	FASTENED	R	RISER
∠	ANGLE	F.F.	FINISH FLOOR	RA	RETURN AIR
AT	AT	FIN	FINISH	RAD	RADIUS
~	CENTERLINE	FLR(G)	FLOOR(ING)	RAF	RAISED ACCESS FLOOR(ING)
⊘	DIAMETER OR ROUND	F.O.	FACE OF	REINF	REINFORCE(D), (ING)
#	POUND OR NUMBER	FOC	FACE OF CONCRETE	REV	REVISION OR REVISED
A.B.	ANCHOR BOLT	FOF	FACE OF FINISH	REQ'D	REQUIRED
ABV	ABOVE	FOS	FACE OF STUDS	REQMT	REQUIREMENT
ADD'L	ADDITIONAL	FRMG	FRAMING	RM	ROOM
ADJ	ADJACENT	FT	FOOT OR FEET	R.O.	ROUGH OPENING
A.F.F.	ABOVE FINISHED FLOOR	FURR'G	FURRED, FURRING	S	SOUTH
AHU	AIR HANDLING UNIT	GA	GAGE, GAUGE	SA	SUPPLY AIR
ALUM	ALUMINUM	GALV	GALVANIZED	S.B.	SOLID BLOCKING
APPROX	APPROXIMATE	G.C.	GENERAL CONTRACTOR	S.C.	SOLID CORE
ARCH	ARCHITECT	GL	GLASS, GLAZING	SCD	SEE COMMUNICATION DRAWINGS
BD	BOARD	GWB	GYPSUM WALL BOARD	SCHED	SCHEDULE
BEL	BELOW	SED	SEE ELECTRICAL DRAWINGS	S.F.	SQUARE FEET
BET	BETWEEN	H	HIGH	SHT	SHEET
BLDG	BUILDING	HDR	HEADER	SIM	SIMILAR
BLK'G	BLOCKING	HDWE	HARDWARE	SLNT	SEALANT
BM	BEAM	H.M.	HOLLOW METAL	SMD	SEE MECHANICAL DRAWINGS
B.O.	BOTTOM OF	HORIZ	HORIZONTAL	SPA	SPACING
BOT	BOTTOM	I.D.	INTERIOR DIAMETER	SPD	SEE PLUMBING DRAWINGS
BR	BULLET RESISTANT	IN	INCH	SPCS	SPECIFICATIONS
BS	BOTH SIDES	INCL	INCLUDE (D) (ING)	SQ	SQUARE
CJ	CONSTRUCTION JOINT	INSUL	INSULATION	SSD	SEE STRUCT'L DWGS
CO	CASED OPENING	INT	INTERIOR	SSL	STAINLESS STEEL
COL	COLUMN	INT'	INTERIOR	STD	STANDARD
CONC	CONCRETE	JT	JOINT	STL	STEEL
CONST	CONSTRUCTION	MAT'L	MATERIAL	STOR	STORAGE
CONT	CONTINUOUS OR CONTINUE	MAX	MAXIMUM	STR'L	STRUCTURAL
CONTR	CONTRACT(OR)	MECH'LY	MECHANICALLY	SYST	SYSTEM
CPT	CARPET	MFR	MANUFACTURER	SYM	SYMMETRICAL, SYMMETRY
CSWK	CASEWORK	MIN	MINIMUM	T	THICK/ TOP
CTS	COUNTERSUNK	MISC	MISCELLANEOUS	TBD	TO BE DETERMINED
CWFP	CEMENTITIOUS WOOD FIBER PANEL	MTD	MOUNTED	T&B	TOP AND BOTTOM
D	DEPTH OR DIAMETER	MTL	METAL	THK	THICK(NESS)
DBL	DOUBLE	(N)	NEW	THRU	THROUGH
DEMO	DEMOLITION OR DEMOLISH	N	NORTH	TME	TO MATCH EXISTING
DET	DETAIL	NTS	NOT TO SCALE	T.O.	TOP OF
DIA	DIAMETER	NO.	NUMBER	UON	UNLESS OTHERWISE NOTED
DIM	DIMENSION	NOM	NOMINAL	VERT	VERTICAL
DN	DOWN	NTS	NOT TO SCALE	VIF	VERIFY IN FIELD
D.O.	DOOR OPENING	O/	OVER	W	WIDE, WIDTH
DR	DOOR	O.C.	ON CENTER	W'	WEST
DTL	DETAIL	O.D.	OUTSIDE DIAMETER	W/	WITH
DWG	DRAWING	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	WD	WOOD
(E)	EXISTING	OFI	OWNER FURNISHED OWNER INSTALLED	WIC	WOODWORK INSTITUTE OF CALIFORNIA
EA	EAST	OH	OPPOSITE HAND	WM	WIREMESH
ELEV	ELEVATION	OPNG	OPENING	W/O	WITHOUT
ELEC	ELECTRICAL	PERP	PERPENDICULAR	WT	WEIGHT
EQ	EQUAL	PLUMB	PLUMBING		
EQUIP	EQUIPMENT	PLYWD	PLYWOOD		
ETC.	ETCETERA	PR	PAIR		
EXP	EXPANSION	PRTD	PRESSURE TREATED		
EXT	EXTERIOR	PT	PAINT		
		PT'D	PAINTED		
		PTN	PARTITION		

	DRAWING (PLAN, DETAIL, SECTION, ELEVATION) IDENTIFICATION NUMBER
	SHEET ON WHICH DRAWING IS DRAWN
	SHEET(S) FROM WHICH DRAWING IS REFERENCED
	DETAIL IDENTIFICATION NUMBER
	SHEET ON WHICH SECTION IS DRAWN
	SHEET FROM WHICH SECTION IS TAKEN
	ELEVATION IDENTIFICATION NUMBER
	SHEET ON WHICH ELEVATION IS DRAWN
	SHEET FROM WHICH ELEVATION IS TAKEN
	DOOR MARK
	THE SCHEDULED DOOR NO IS THE ROOM NUMBER INTO WHICH THE DOOR SWINGS FOLLOWED BY THE DOOR MARK.
	DOOR MARK
	THE SCHEDULED DOOR NO IS THE ROOM NUMBER FROM WHICH THE DOOR SWINGS FOLLOWED BY THE DOOR MARK.
	DOOR MARK
	OFFICE 120 ROOM NAME AND NUMBER
	REVISION NUMBER--CORRESPONDS TO REVISION NUMBER ON SHEET TITLE BLOCK
	EXTENT OF REVISION
	KEYNOTE NUMBER
	ROOM/SPACE NUMBER AS SHOWN ON FLOOR PLANS
	PARTITION TYPE (LETTER) VARIATION NUMBER (IF ANY)
	WOODWORK INSTITUTE CABINET DESIGN SERIES NUMBER
	MATCH LINE
	GRID LINES

"REPLACE" MEANS TO REMOVE EXISTING AND PROVIDE NEW AS SPECIFIED, OR IF NOT SPECIFIED, TO MATCH EXISTING. UNLESS OTHERWISE NOTED.  
 "FURNISH" MEANS TO PURCHASE NEW UNLESS OTHERWISE NOTED.  
 "PROVIDE" MEANS TO FURNISH AND INSTALL.  
 "REMOVE" MEANS TO REMOVE AND DISPOSE OF OFF SITE AND PREPARE EXISTING SURFACES TO RECEIVE NEW CONSTRUCTION UNLESS OTHERWISE NOTED.  
 "REMOVE AND SALVAGE" MEANS ITEMS INDICATED TO BE REMOVED AND SALVAGED REMAIN THE OWNER'S PROPERTY. REMOVE, CLEAN AND PACK OR CRATE ITEMS TO PROTECT AGAINST DAMAGE. IDENTIFY CONTENTS OF CONTAINERS AND DELIVER TO CONTRACTING OFFICER'S DESIGNATED STORAGE AREA.  
 "REMOVE AND REINSTALL" MEANS REMOVE, CLEAN AND SERVICE, AND OTHERWISE PREPARE THEM FOR REUSE. STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS WHERE INDICATED  
 "EXISTING TO REMAIN" MEANS PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOLING DURING SELECTIVE DEMOLITION.

**APPLICABLE CODES & STANDARDS**

APPLICABLE CODES AND STANDARDS INCLUDE BUT ARE NOT LIMITED TO:  
 2019 CALIFORNIA ADMINISTRATIVE CODE, TITLE 24, PART 1, CBCS  
 2019 CALIFORNIA BUILDING CODE, TITLE 24, PART 2, CBCS (2018 IBC & CALIFORNIA AMENDMENTS)  
 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, CBCS (2017 NATIONAL ELECTRICAL CODE & CALIFORNIA AMENDMENTS)  
 NECA 1-2017 STANDARD PRACTICE OF GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION (ANSI)  
 IEEE 3001.5 PRACTICE FOR THE APPLICATION OF POWER DISTRIBUTION APPARATUS IN INDUSTRIAL & COMMERCIAL POWER SYSTEMS (2017)  
 IEEE 3003.2 PRACTICE FOR EQUIPMENT GROUNDING & BONDING IN INDUSTRIAL & COMMERCIAL POWER SYSTEMS (2017)  
 NATIONAL ELECTRICAL SAFETY CODE (2017)

OTHER CRITERIA AND REQUIREMENTS  
 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

**BUILDING TYPE SUMMARY**

INFORMATION RESOURCE CENTER:	
CONSTRUCTION:	TYPE II-1 HR NON-COMBUSTIBLE (EXISTING - NO CHANGE) 2-STORY (EXISTING - NO CHANGE) B EDUCATION ABOVE 12TH GRADE (304.1)
OCCUPANCY:	
EXISTING BUILDING AREA:	32,455 SQ FT
SPRINKLERS:	YES
CORE BUILDING:	
CONSTRUCTION:	TYPE I FIRE RESISTIVE BUILDING (EXISTING - NO CHANGE) 4-STORY (EXISTING - NO CHANGE) B EDUCATION ABOVE 12TH GRADE (304.1)
OCCUPANCY:	
EXISTING BUILDING AREA:	15,312 SQ FT
SPRINKLERS:	YES
STUDENT SERVICES CENTER:	
CONSTRUCTION:	TYPE I-B FIRE RESISTIVE BUILDING (EXISTING - NO CHANGE) 2-STORY (EXISTING - NO CHANGE) B EDUCATION ABOVE 12TH GRADE (304.1)
OCCUPANCY:	
EXISTING BUILDING AREA:	38,110 SQ FT
SPRINKLERS:	YES

1. UNLESS OTHERWISE INDICATED, PLAN DIMENSIONS ARE TO COLUMN GRID ON CENTERLINES, NOMINAL SURFACE OF MASONRY, FACE OF STUDS AND FACE OF CONCRETE WALLS.  
 2. ALL ITEMS SHOWN ON DRAWINGS ARE "NEW" UNLESS OTHERWISE LABELED AS "(E)"  
 3. PARTITIONS SHALL BE SEALED BOTH SIDES WITH ACOUSTIC SEALANT; TOP, BOTTOM, INTERSECTION, DOOR FRAMES, GLAZED OPENING FRAMES, AND OTHER PENETRATIONS.  
 4. VERIFY ALL ROUGH-IN DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS CONTRACT, OR BY OTHERS.  
 5. VERIFY ALL DIMENSIONS IN FIELD, ACTUAL SITE CONDITIONS MAY VARY FROM THOSE INDICATED ON DRAWINGS.  
 6. PROVIDE METAL BLOCKING FOR ALL WALL MOUNTED ACCESSORIES, CASEWORK, FIXTURES, SHELVING STANDARDS, OTOI WALL MOUNTED ITEMS/SYSTEM FURNITURE AND OTHER WALL MOUNTED ITEMS INCLUDING AT (E) WALLS. PATCH FINISHES THE UON. SEE 9/A561  
 7. ALL NEW MATERIALS MUST MATCH EXISTING BUILDING STANDARDS OR AS NOTED ON PLANS. DEVIATION FROM EXISTING STANDARDS OR MATERIALS NOTED ON PLAN MUST RECEIVE WRITTEN APPROVAL PRIOR TO PURCHASE, FABRICATION, OR INSTALLATION FROM GSA BUILDING MANAGER'S OFFICE PRIOR TO MAKING CHANGE.  
 8. SALVAGED ITEMS NOT INDICATED FOR REUSE SHALL REMAIN ON SITE AND BE MOVED TO BE STORED PER AGREED LOCATION WITH BUILDING MANAGER.

**PROJECT DESCRIPTION SCOPE**

AV UPGRADES FOR THE LOS MEDANOS COLLEGE COMMUNITY AND CONFERENCE ROOMS AT INFORMATION RESOURCE CENTER, STUDENT SERVICES CENTER AND THE CORE BUILDING.

AFFECTED ROOMS ARE:

- THE COMMUNITY ROOM ON THE FIRST FLOOR OF THE INFORMATION RESOURCE CENTER
  - PROVIDE NEW TV MONITOR
  - CEILING MOUNTED PROJECTOR AND PROJECTION SCREEN REPLACEMENT
  - AV CONNECTOR AND CABLING REPLACEMENT AT EXISTING FLOORBOX.
  - EXISTING AV RACK POSITION ADJUSTMENT
- THE CONFERENCE ROOM L108/L109 ON THE FIRST FLOOR OF THE INFORMATION RESOURCE CENTER
  - MODIFY EXISTING CONFERENCE TABLE TO INSTALL AV FLIP-TOP CONTROLLER
  - MODIFY EXISTING BASE CABINET TO PROVIDE AIR VENTILATION FOR THE EXISTING AV RACK.
- THE CONFERENCE ROOM 409 ON THE SECOND FLOOR OF THE STUDENT SERVICE CENTER (REFER TO TA SHEETS FOR WORK)
  - MODIFY EXISTING CONFERENCE TABLE TO INSTALL AV FLIP-TOP CONTROLLER
- THE CONFERENCE ROOM 409 ON THE FOURTH FLOOR OF THE CORE BUILDING.
  - PROVIDE NEW SHORT-THROW PROJECTOR AND WHITEBOARD
  - EXISTING AV RACK POSITION ADJUSTMENT

THE INTERIOR IMPROVEMENTS INCLUDE ARCHITECTURAL AND ELECTRICAL SCOPE.

**PROJECT TEAM**

CLIENT	ELECTRICAL
LOS MEDANOS COLLEGE 2700 EAST LELAND ROAD PITTSBURG, CA 94565	A&S ENGINEERS INC. 111 PINE STREET, SUITE 1315 SAN FRANCISCO, CA 94111 TEL: 415-398-0400
MICHAEL SCHENONE, CONSTRUCTION MANAGER TEL: 209-224-6291 michael_s@csipm.com	ALLEN ARBARAGHI, PRINCIPAL aleno@sincsc.com
ARCHITECTURAL	AUDIO VISUAL
TECTONICS Architects/Planners/Engineers 1500 PARK AVE SUITE 129 EMERYVILLE, CA 94608 TEL: 510-740-2400	SMITH, FAUSE, AND MCDONALD, INC. 351 8TH STREET SAN FRANCISCO, CA 94703 415-255-9140
ANDREW C. CHEN, RA PRINCIPAL IN CHARGE achen@tectonics-ae.com	THEODORE S. HARTMAN AUDIOVISUAL SYSTEMS DESIGNER theo@sfm.com
WENDY LEUNG PROJECT MANAGER wleung@tectonics-ae.com	

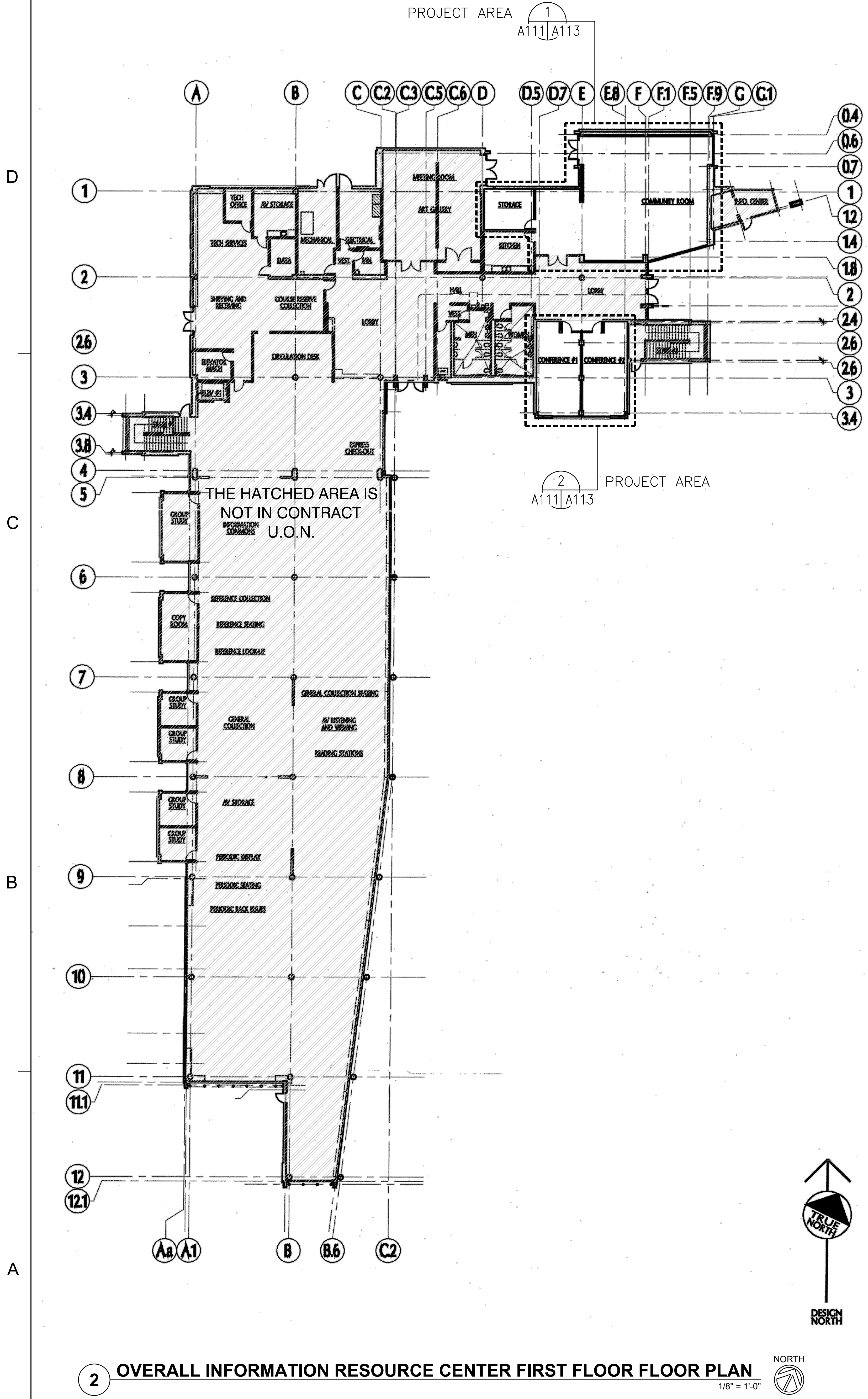
**COVER SHEET**

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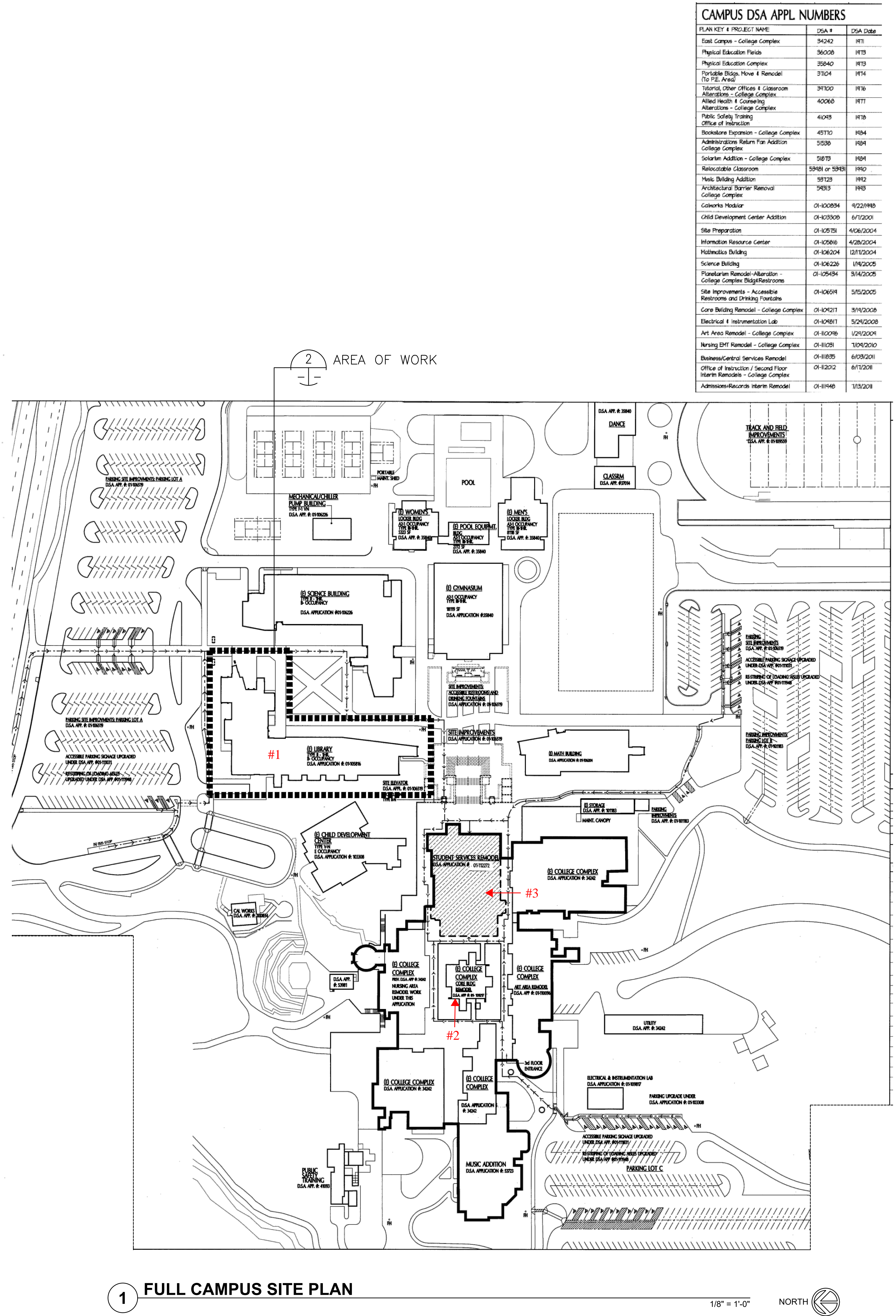
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PROJECT NUMBER: 01-119293

SHEET NUMBER: **G-001**





**2 OVERALL INFORMATION RESOURCE CENTER FIRST FLOOR FLOOR PLAN**  
1/8" = 1'-0" NORTH



**1 FULL CAMPUS SITE PLAN**  
1/8" = 1'-0" NORTH

PLAN KEY # PROJECT NAME	DSA #	DSA DATE
East Campus - College Complex	34242	1/11
Physical Education Fields	36008	1/13
Portable Bldg. Floor 4 Remodel (To P.E. Area)	35840	1/13
Tutorial, Other Offices & Classroom Alterations - College Complex	31824	1/14
Allied Health & Counseling Alterations - College Complex	31100	1/16
Public Safety Training Office of Instruction	40068	1/17
Bookstore Expansion - College Complex	41048	1/18
Administrations Return Plan Addition College Complex	45710	1/18
Solarium Addition - College Complex	5536	1/18
Relocatable Classroom	59481 or 59483	1/19
Music Addition	59128	1/19
Architectural Barrier Removal College Complex	54513	1/19
Colworks Modular	01-100394	4/22/1919
Child Development Center Addition	01-103308	6/12/2001
Site Preparation	01-105781	4/08/2004
Information Resource Center	01-105816	4/28/2004
Mathematics Building	01-106204	12/12/2004
Science Building	01-106226	1/14/2005
Planetarium Remodel-Alteration - College Complex Bldg/Restrooms	01-105434	3/14/2005
Site Improvements - Accessible Restrooms and Drinking Fountains	01-106619	5/05/2005
Core Building Remodel - College Complex	01-107211	3/14/2006
Electrical & Instrumentation Lab	01-107811	5/24/2008
Art Area Remodel - College Complex	01-107416	1/24/2004
Nursing Bldg Remodel - College Complex	01-111291	1/04/2010
Business/Central Services Remodel	01-11835	6/03/2011
Office of Instruction / Second Floor Intern Remodels - College Complex	01-112012	6/17/2011
Admissions-Records Intern Remodel	01-11146	1/13/2011

**CONTRA COSTA COLLEGE**

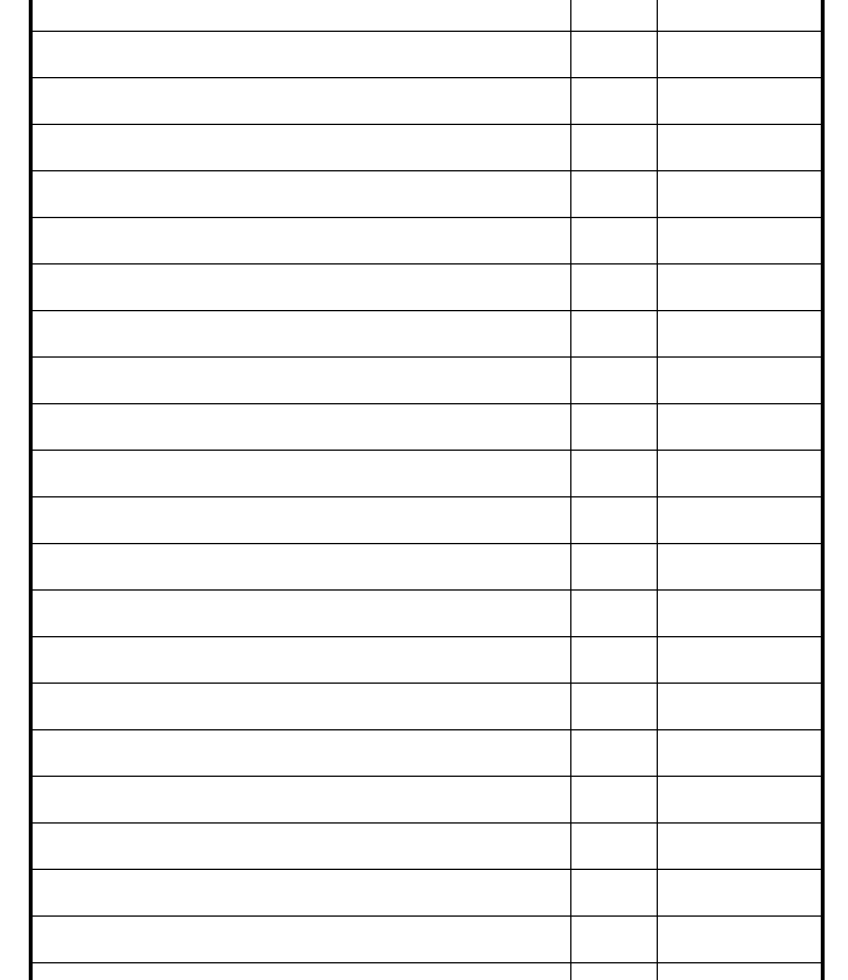
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SEALS AND SIGNATURES

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PLAN REVIEW SUBMITTAL V2	02/03/2021



**LOS MEDANOS COLLEGE**

**COMMUNITY ROOM & CONFERENCE ROOM AV UPGRADES**

SHEET TITLE:

**OVERALL INFO. RESOURCE CENTER FIRST FLOOR FLOOR PLAN**

SCALE: AS SHOWN  
PROJECT NUMBER: 01-119293

SHEET NUMBER: **A111**

100% CONSTRUCTION DOCUMENTS

10/26/20

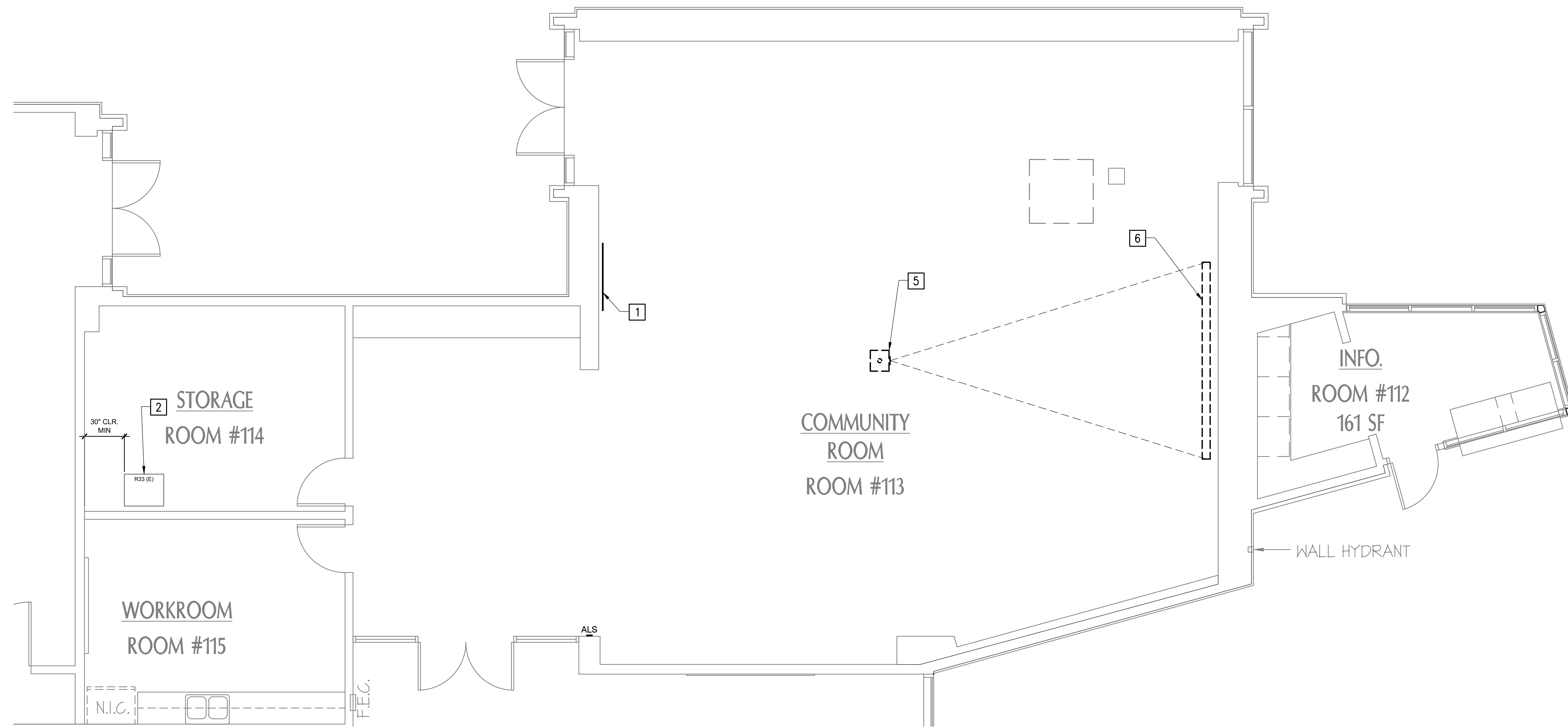


D

C

B

A



1 COMMUNITY, STORAGE & WORKROOM FLOOR PLANS

1/4" = 1'-0"



**SHEET NOTES**

- A. REFER TO TA SHEETS FOR AUDIO VISUAL DESIGN REQUIREMENTS AND ADDITIONAL NEW WORK TO BE PERFORMED.
- B. REMOVE (E) WALL FINISHES TO INSTALL BACKING PLATES. PATCH TME.
- C. PROVIDE METAL BACKING PLATES BETWEEN STUDS AT ALL LOCATIONS REQUIRED FOR ATTACHMENT OF WALL-MOUNTED ITEMS, SEE DETAIL 1/A113.

**KEYNOTES**

- 1 PROVIDE 70" WALL MOUNTED TELEVISION AND H CHIEF LTM SERIES OR EQUAL MOUNTING RACK. THE 70" TELEVISION TO BE MOUNTED AT 80" AFF TO THE UNDERSIDE OF SCREEN. REFER TO TA SHEETS FOR MOUNTING BRACKET INFORMATION. PROVIDE POWER AND DATA CONNECTIVITY AS REQUIRED.
- 2 EXISTING SERVER RACKS.
- 3 MODIFY THE EXISTING BASE CABINET TO PROVIDE AIR VENTILATION FOR THE EXISTING AV RACK. GC TO CUT OUT A 1/4" SLOT AT THE UNDERSIDE OF THE TOE KICK AND TO ADD LOUVERS AT THE CABINET DOORS. REFER TO TA SHEETS FOR ADDITIONAL INFORMATION.
- 4 MODIFY EXISTING CONFERENCE TABLE TO INSTALL THE NEW FLIP-TOP CONTROLLER AND CABLE CUBBY. REFER TO TA SHEETS FOR ADDITIONAL INFORMATION.
- 5 PROVIDE CEILING MOUNTED PROJECTOR. GC TO INSTALL THE NEW PROJECTOR PER DETAIL 2.3/A113 AND ADJUST THE EXTENSION POLE ACCORDINGLY FOR PROPER ALIGNMENT WITH THE SCREEN. REFER TO TA SHEETS FOR ADDITIONAL INFORMATION.
- 6 PROVIDE CEILING MOUNTED PROJECTION SCREEN. GC TO INSTALL THE NEW PROJECTION SCREEN PER DETAIL 4/A113. REFER TO TA SHEETS FOR ADDITIONAL INFORMATION.

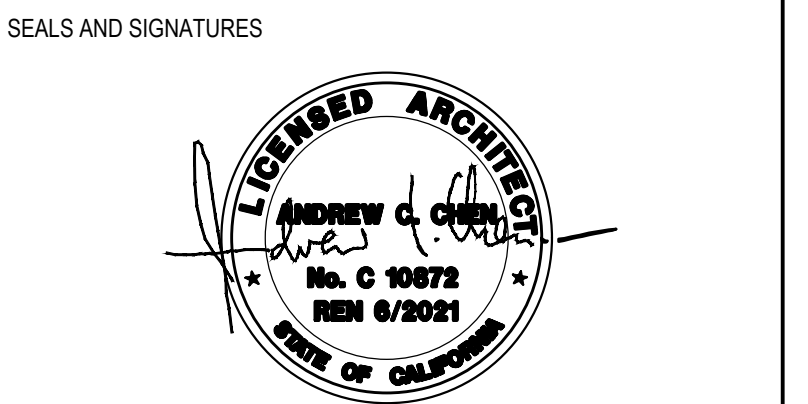
**LEGEND**

- ALS ASSISTIVE LISTENING SYSTEMS SIGN. SEE DETAIL 5/A112.



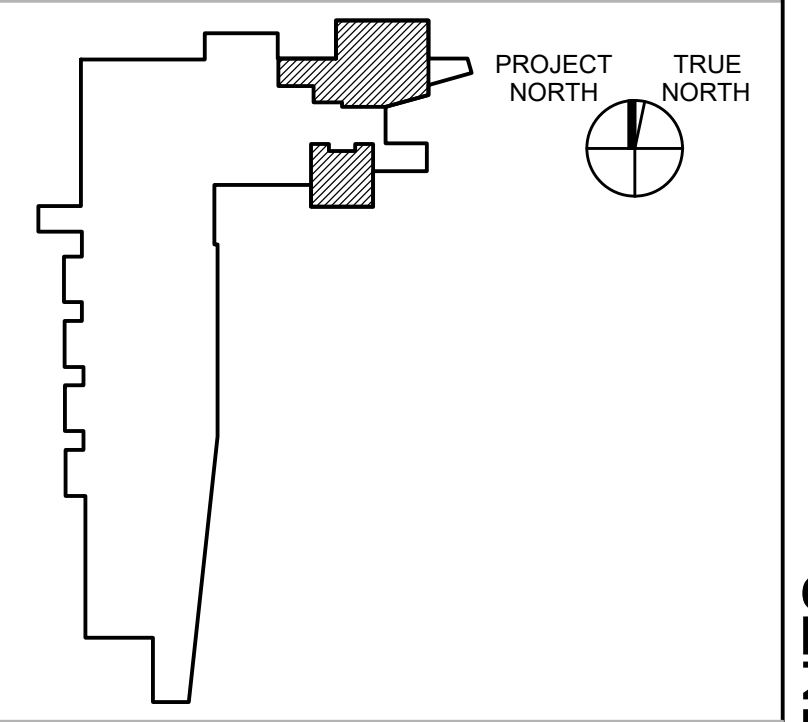
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**KEY PLAN**



LOS MEDANOS COLLEGE

COMMUNITY ROOM & CONFERENCE ROOM AV UPGRADES

SHEET TITLE:  
**COMMUNITY AND CONFERENCE ROOMS L108/ L109 NEW FLOOR PLANS**

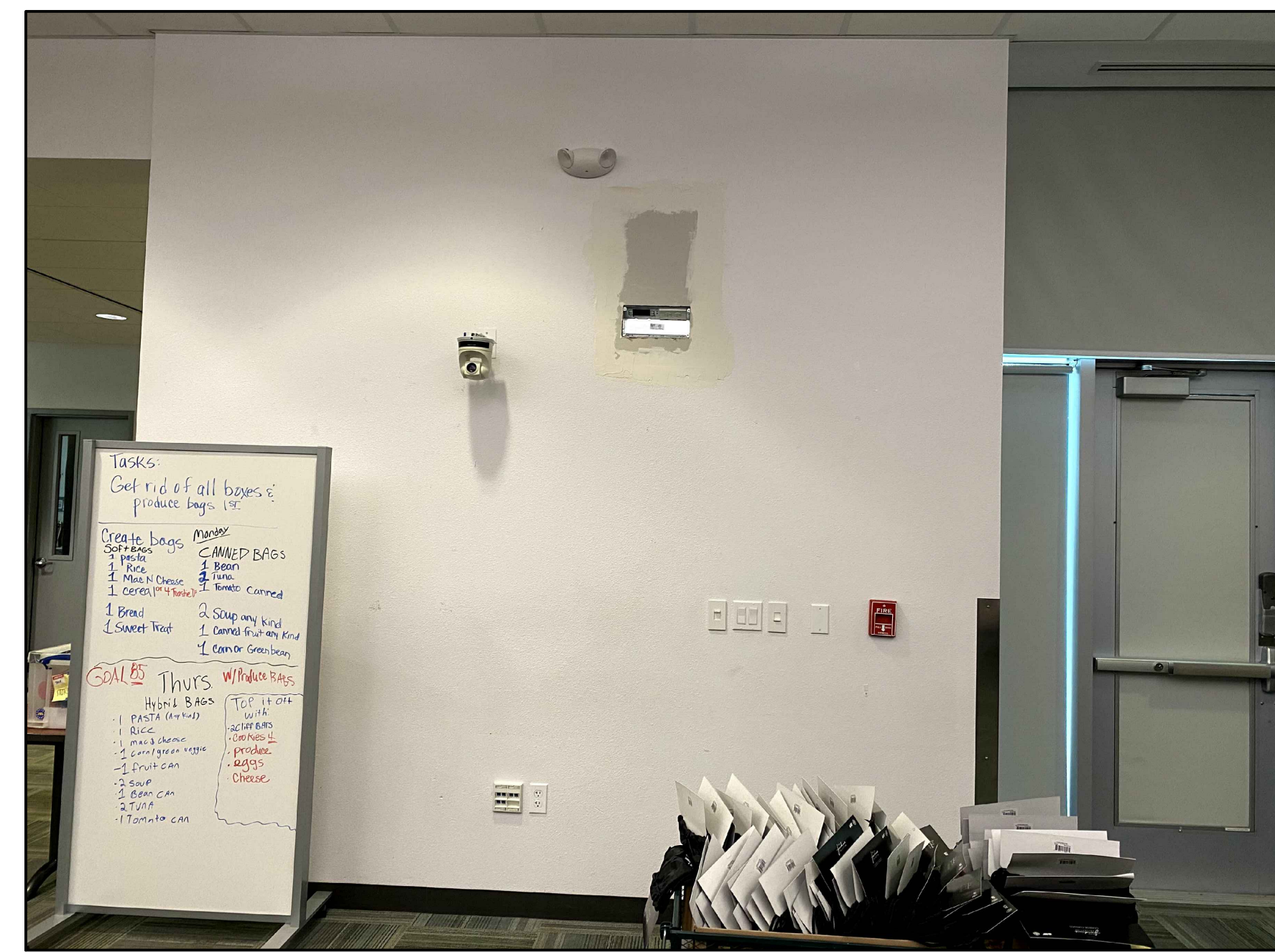
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SHEET NUMBER: **A112**

- NOTES**
1. MOUNT SIGN PROMINENTLY ON THE WALL AT 60" ABOVE FINISH FLOOR TO CENTER OF SIGN.
  2. PLASTIC SIGN SHALL BE 1/8" THICK MINIMUM U.N.O.
  3. VERIFY COLOR PLAQUE WITH OWNER.
  4. VERIFY PROPOSED SIGNAGE MOUNT LOCATION WITH OWNER.
  5. PROVIDE ALS SIGNAGE AT:  
COMMUNITY ROOM 113 OF THE INFORMATION RESOURCE CENTER  
CONFERENCE ROOM #1 OF THE INFORMATION RESOURCE CENTER  
CONFERENCE ROOM #2 OF THE INFORMATION RESOURCE CENTER  
CONFERENCE ROOM 409 OF THE STUDENT SERVICE CENTER  
CONFERENCE ROOM 420 OF THE CORE BUILDING



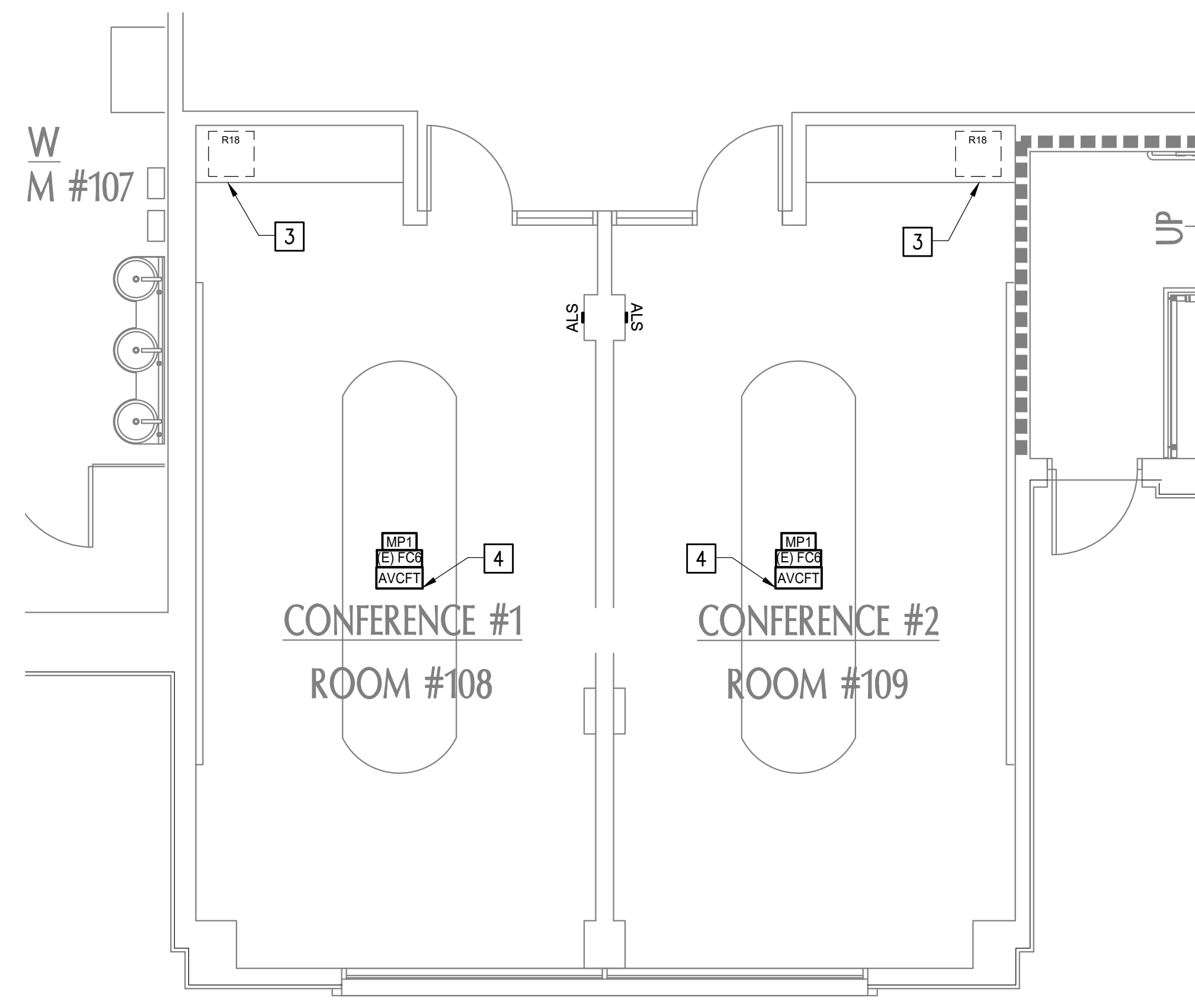
ALS SIGN 3"=1'-0" 5 -A112



3 (E) WEST WALL AT ROOM 113 1/4" = 1'-0"



4 (E) EAST WALL AT ROOM 113 1/4" = 1'-0"



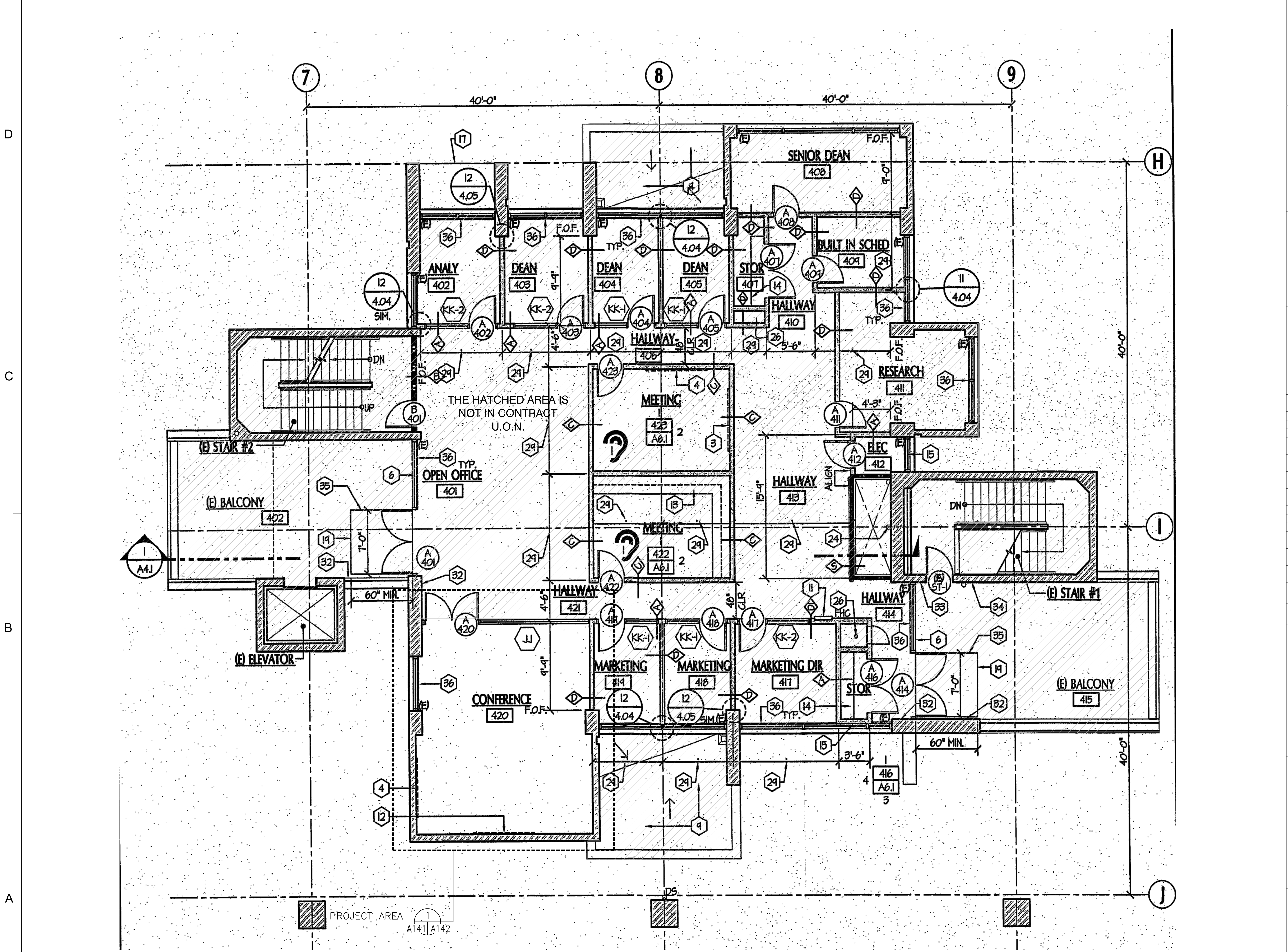
2 CONFERENCE ROOMS L108/ L109 FLOOR PLANS 1/4" = 1'-0"











1 OVERALL CORE BUILDING FOURTH FLOOR FLOOR PLAN

NORTH  
1/4" = 1'-0"

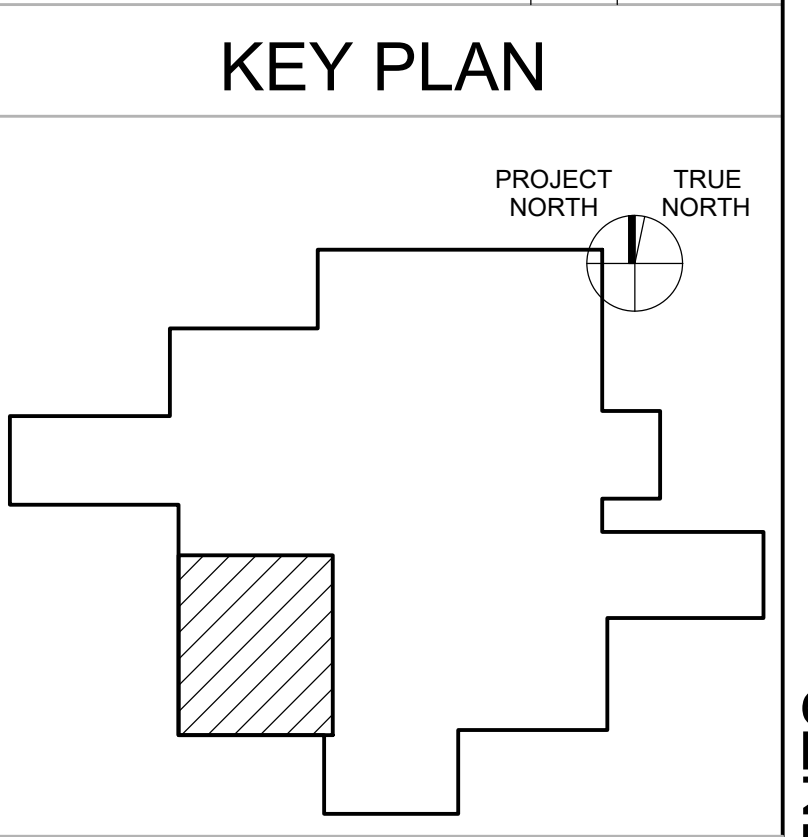
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SHEET TITLE:  
OVERALL CORE BUILDING FOURTH FLOOR FLOOR PLAN

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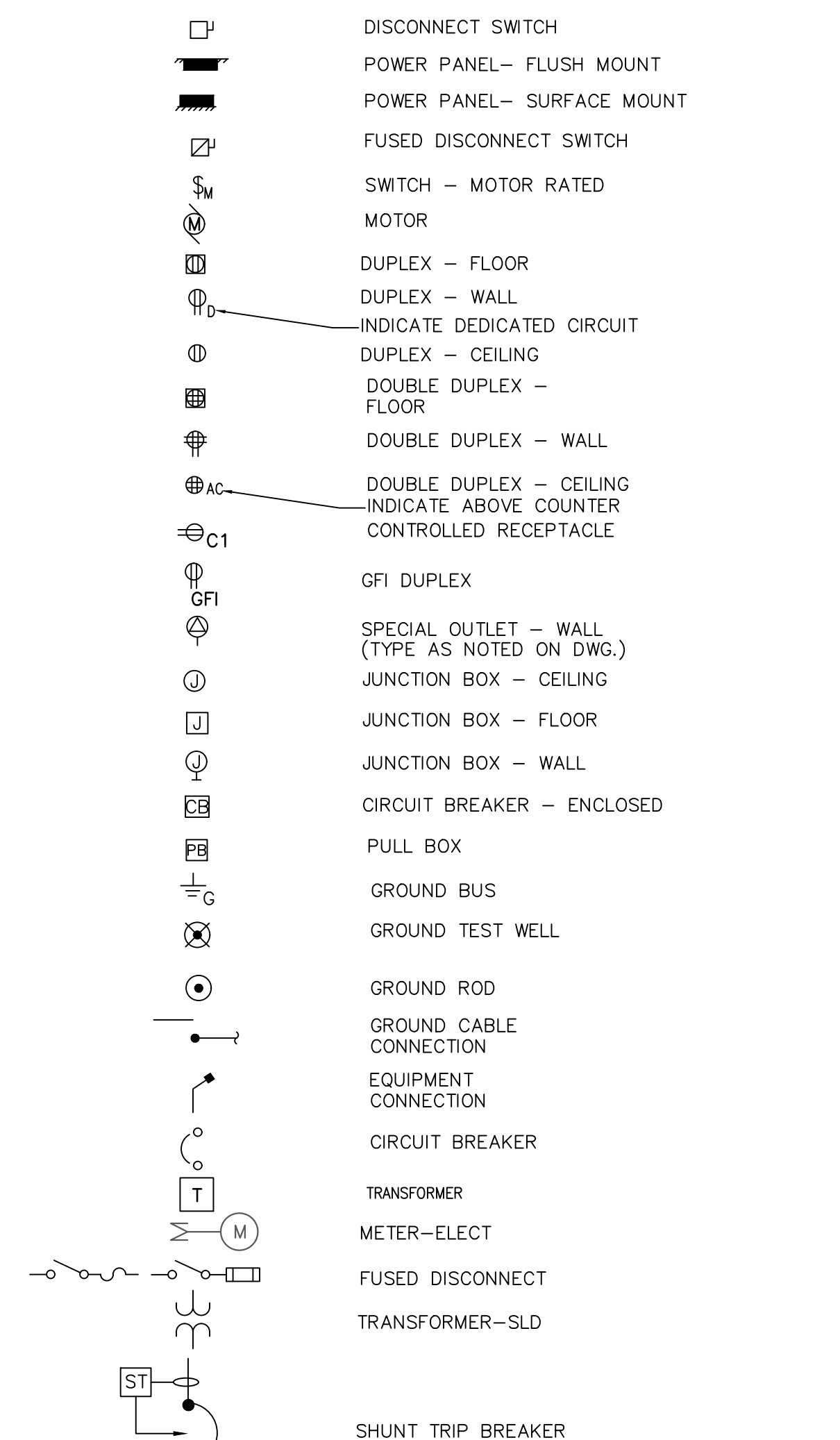
10/26/20 100% CONSTRUCTION DOCUMENTS



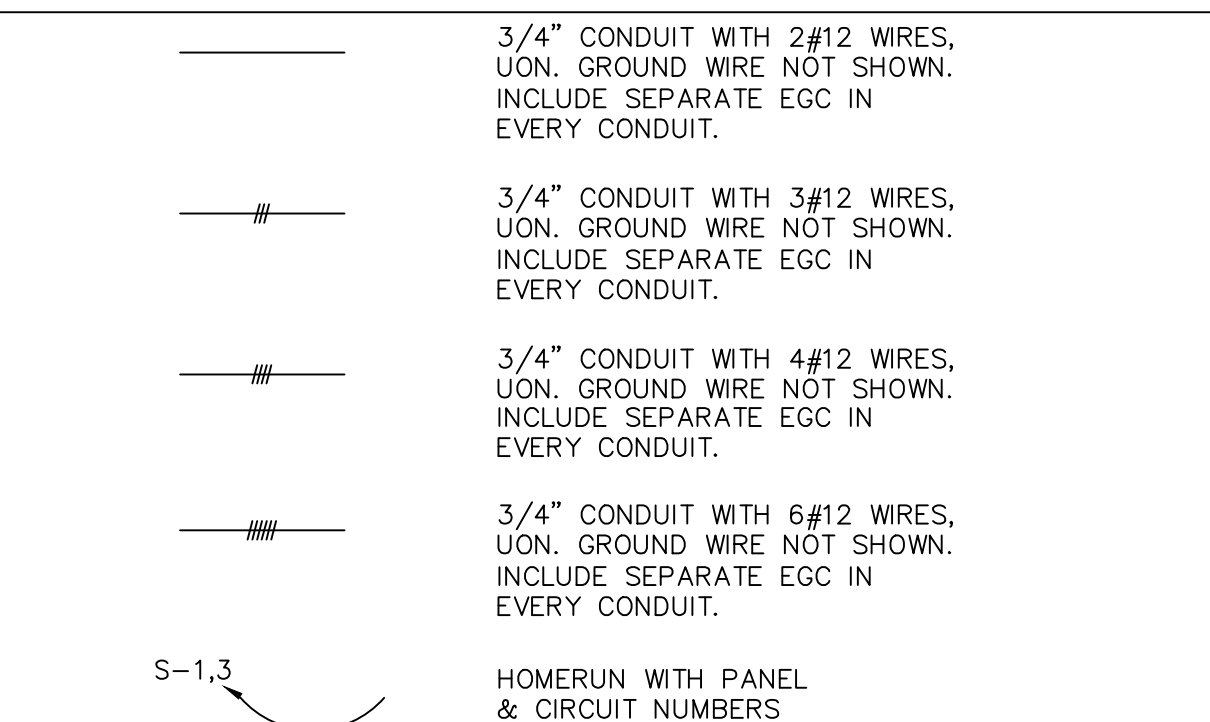




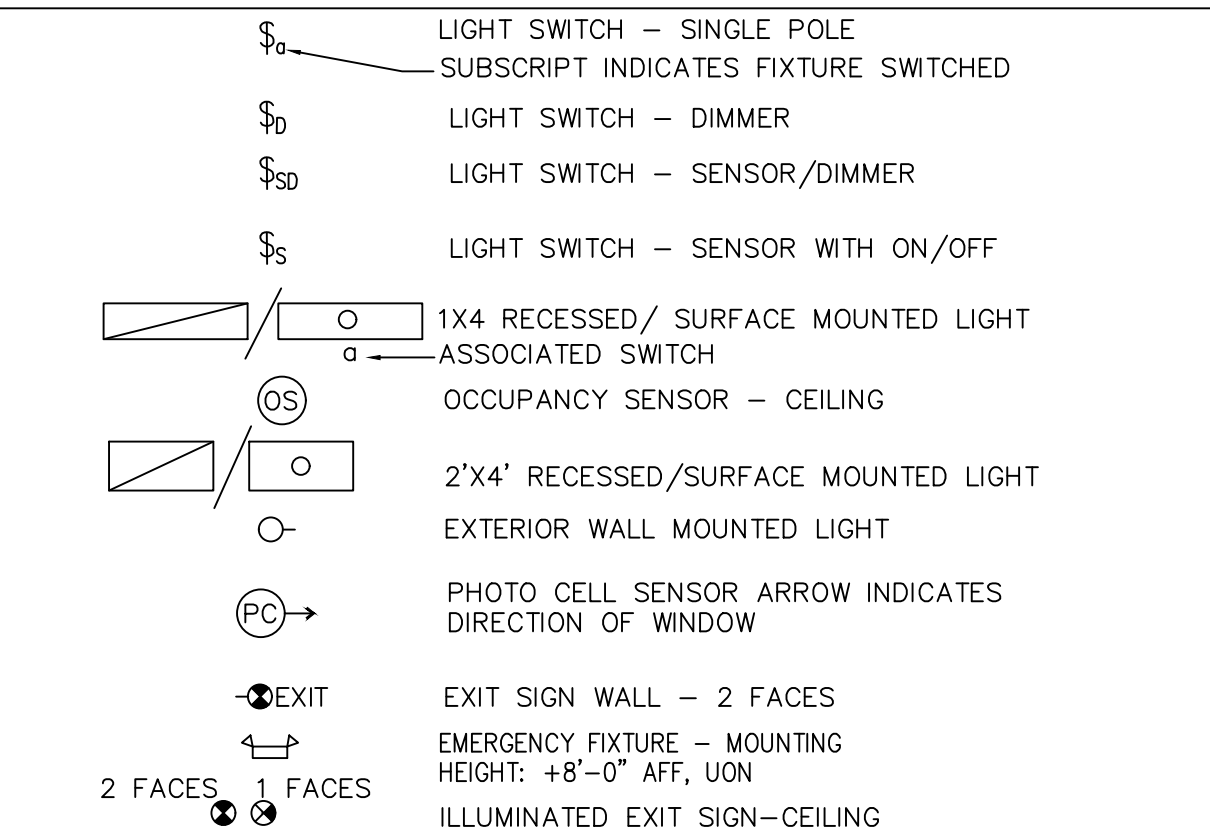
POWER



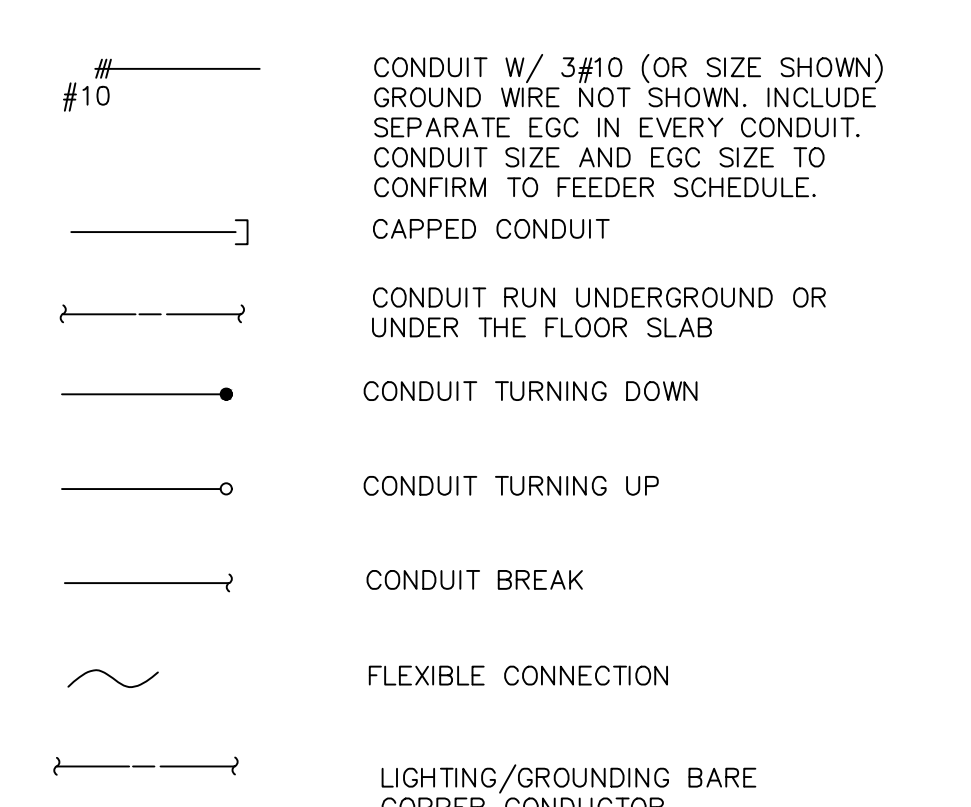
WIRING



LIGHTING



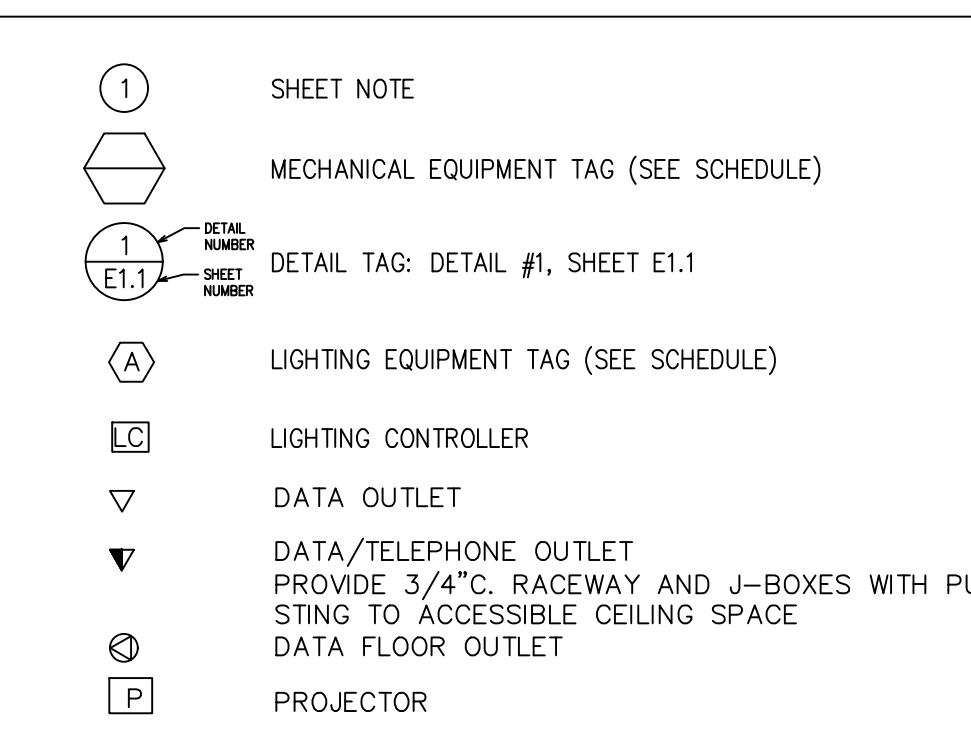
WIRING



ABBREVIATIONS

Table of abbreviations: (E) EXISTING, EM EMERGENCY LIGHT, (F) FUTURE, (N) NEW, AFF ABOVE FINISHED FLOOR, AFG ABOVE FINISHED GRADE, AL ALUMINUM, C CONDUIT, CEC CALIFORNIA ENERGY CODE, cd CANDELA, EGC ELECTRIC GROUND CONDUCTOR, CO CONDUIT ONLY, (D) EXISTING WORK TO BE DEMOLISHED, EMT EMPTY CONDUIT WITH NYLON PULL CORD, FBO FURNISHED BY OTHERS, GFI GROUND FAULT INTERRUPTER, GRD GROUND, KAIC KILO AMPS INTERRUPTING CAPACITY, KCM THOUSAND CIRCULAR MILS, KVA KILO VOLT AMPS, LV LOW VOLTAGE SWITCH, M METER, MLO MAIN LUGS ONLY, NIC NOT INCLUDED IN CONTRACT, PB PULL BOX, (R) REMOVE, (RL) RELOCATED EQUIPMENT, (RR) REMOVE AND RELOCATE, UON UNLESS OTHERWISE NOTED, WP WEATHERPROOF

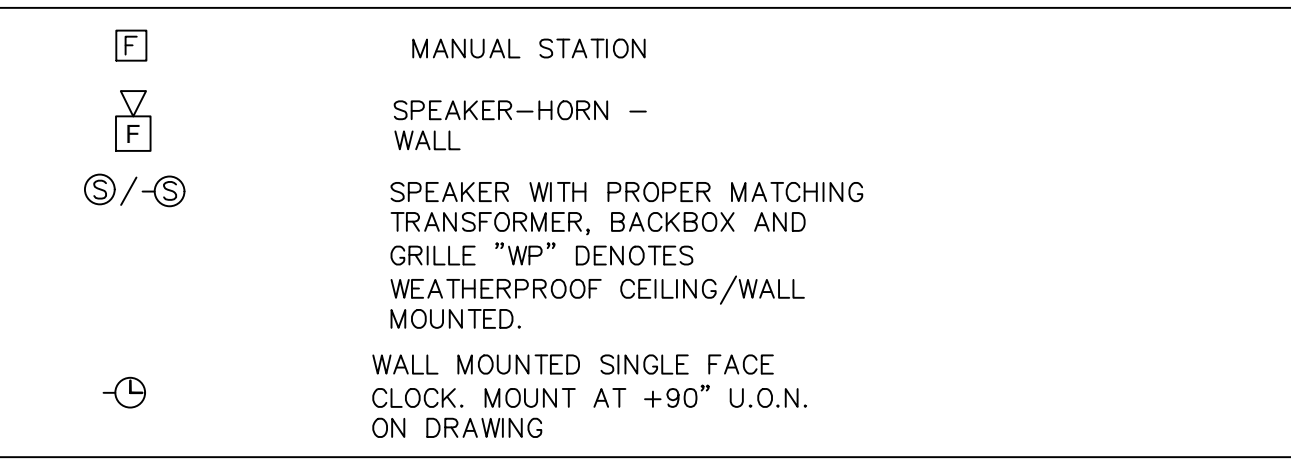
MISCELLANEOUS



GENERAL DEMO NOTES

- 1. RECONNECT CIRCUITING AS REQUIRED TO MAINTAIN CONTINUITY TO REMAINING OUTLETS... 2. PROVIDE EXTENSION RINGS, COVER PLATES OR ACCESS DOORS AS NECESSARY... 3. FIELD VERIFY LOCATIONS OF EXISTING OUTLETS... 4. PROVIDE BLANK COVER PLATES FOR JUNCTION BOXES WHICH ARE NOT REUSED... 5. PROVIDE TYPE AND SIZE OF CONDUCTORS TO MATCH EXISTING... 6. PROVIDE CUTTING AND PATCHING AS REQUIRED... 7. FIELD VERIFY EXISTING CIRCUITING AND MAKE ADJUSTMENTS AS NECESSARY... 8. COORDINATE ALL DEMOLITION WORK WITH NEW REQUIREMENTS... 9. ALL EXISTING ELECTRICAL EQUIPMENT AND CONDUITS THAT INTERFERE WITH ANY NEW CONSTRUCTION... 10. DISCONNECT AND RECONNECT THE EXISTING ELECTRICAL EQUIPMENT AS REQUIRED... 11. MODIFY AND RECONNECT THE EXISTING ELECTRICAL EQUIPMENT AS REQUIRED TO REMAIN... 12. THE CONTRACTOR BY SITE INVESTIGATION, SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT SCOPE OF DEMOLITION WORK... 13. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL MATERIALS AND LABOR REQUIRED... 14. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE... 15. WHERE CONDUIT AND WIRING STUBBED-UP THROUGH EXISTING FLOOR SLAB IS DEMOLISHED...

LOW VOLTAGE



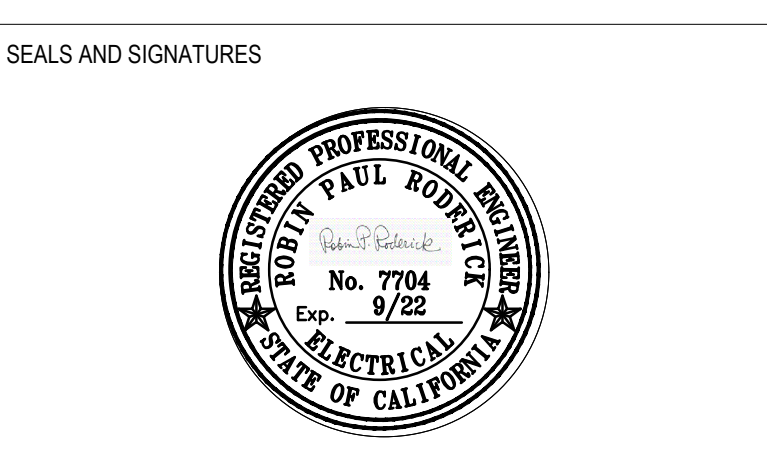
GENERAL NOTES

- 1. PERFORM ALL WORK IN ACCORDANCE WITH THE LOCAL STANDARD DETAILS & SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2019 ELECTRICAL CODE, LATEST NFPA CODES AND REGULATIONS OF ALL LOCAL, CA STATE AND FEDERAL, AUTHORITIES HAVING JURISDICTION... 2. PERFORM ALL CUTTING AND PATCHING REQUIRED FOR THE WORK, INCLUDING TOUCH UP PAINTING OF PATCHED AREAS... 3. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE SIZE AND GENERAL LOCATION OF WORK... 4. PREPARE AND FURNISH TO THE ARCHITECT "AS-BUILT" PLANS FOR ALL WORK INSTALLED... 5. PROVIDE TEMPORARY LIGHT AND POWER AT CONSTRUCTION AREAS... 6. ALL PARTS OF THE WORK AND ASSOCIATED EQUIPMENT SHALL BE TESTED AND ADJUSTED TO WORK PROPERLY... 7. PHASING OF THE WORK SHALL BE IN ACCORDANCE WITH DRAWINGS AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE... 8. UNLESS NOTED OTHERWISE, THE CAPACITY OF CONDUCTORS 600 VOLTS OR LESS SHALL BE BASED ON THE TERMINALS NOT TO EXCEED 60°C... 9. NO PIPING, DUCTS OR EQUIPMENT, FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE ABOVE THE ELECTRICAL EQUIPMENT... 10. FUSES SHALL BE PROVIDED WITH REJECTION TYPE FUSE HOLDERS... 11. GREEN INSULATED COPPER GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL BRANCH CIRCUITS AND FEEDERS... 12. ALL LIGHTING CONTROL DEVICES SHALL BE CALIFORNIA ENERGY COMMISSION (CEC) CERTIFIED... 13. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF... 14. SPLICES IN CONDUCTORS SHALL BE ELIMINATED WHEREVER POSSIBLE... 15. PROPERLY CLEAN-UP AND STORE ALL MATERIALS, TOOLS AND EQUIPMENT AFTER EACH WORK PERIOD... 16. PROVIDE APPROVED FIRE STOPPING AT ALL PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS AND PARTITIONS... 17. MAINTAIN POWER AND LIGHTING THROUGHOUT... 18. COORDINATE THE LOCATION OF ALL ELECTRICAL EQUIPMENT, RACEWAYS, ETC. SO AS TO AVOID INTERFERENCE WITH DUCTWORK, PIPING, BUILDING STEEL, ETC... 19. SUPPORT WALL MOUNTED ELECTRICAL EQUIPMENT... 20. INSTALL CONDUIT CONCEALED IN WALLS, HUNG CEILINGS OR IN FLOOR SLABS... 21. ELECTRICAL CONTRACTOR TO NOTIFY THE LOCAL AUTHORITY PRIOR TO COMMENCING ANY POWER SHUTDOWN... 22. PROVIDE EXPANSION FITTING IN ALL CONDUIT AND ELECTRICAL RACEWAY RUNS... 23. PROJECT SPECIFICATIONS ARE AN INTEGRAL PART OF THESE DRAWINGS... 24. UNDER DESIGN/BUILD SCOPE OF WORK FIRE/LIFE SAFETY SYSTEM... 25. ALL LOW VOLTAGE SYSTEMS, EQUIPMENT, CABLES, COMPONENTS, AND DEVICES SHALL BE INSTALLED BY THE CONTRACTOR... 26. ALL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RE-COGNIZED TESTING LABORATORY... 27. SWITCHES/CONTROLS, ETC., ARE INSTALLED AT A RANGE OF 15" TO 48" FOR FORWARD REACH OR 9" TO 54" FOR SIDE REACH... 28. ALL RECEPTACLES OUTLETS SHALL BE INSTALLED AT LEAST 15" ABOVE THE FLOOR...

A & S ENGINEERS INC. Mechanical, Electrical & Plumbing Consultants 175 LENOX LANE, SUITE 205 WALNUT CREEK, CA 94598 TEL: 925-937-0701 WEB: http://www.aandse.com PRODUCT NUMBER: 20-034

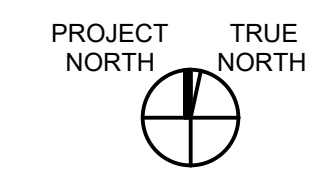


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ISSUE SCHEDULE table with columns: ISSUE SCHEDULE, NO., DATE. Rows: PLAN REVIEW SUBMITTAL V1 (12/30/2020), PLAN REVIEW SUBMITTAL V2 (02/03/2021)

KEY PLAN



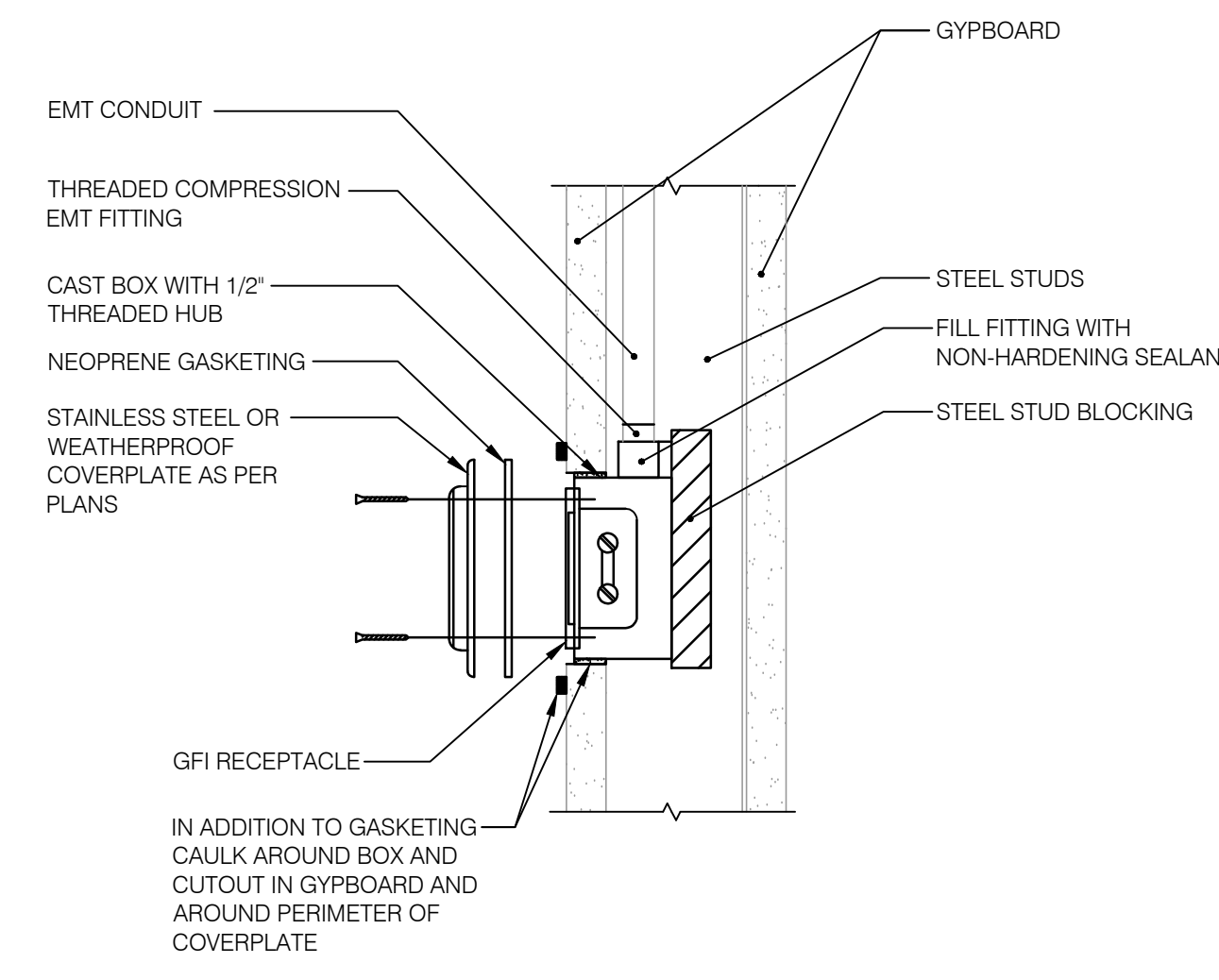
LOS MEDANOS COLLEGE

COMMUNITY ROOM & CONFERENCE ROOM AV UPGRADES

SHEET TITLE: ELECT. SYMBOLS, LEGENDS, ABBREV., & GENERAL NOTES

SCALE: AS SHOWN PROJECT NUMBER: 01-119293

SHEET NUMBER: E0.1



1 RECESSED CAST BOX INSTALLATION DETAIL NO SCALE

D

C

B

A

100% CONSTRUCTION DOCUMENTS 10/26/20

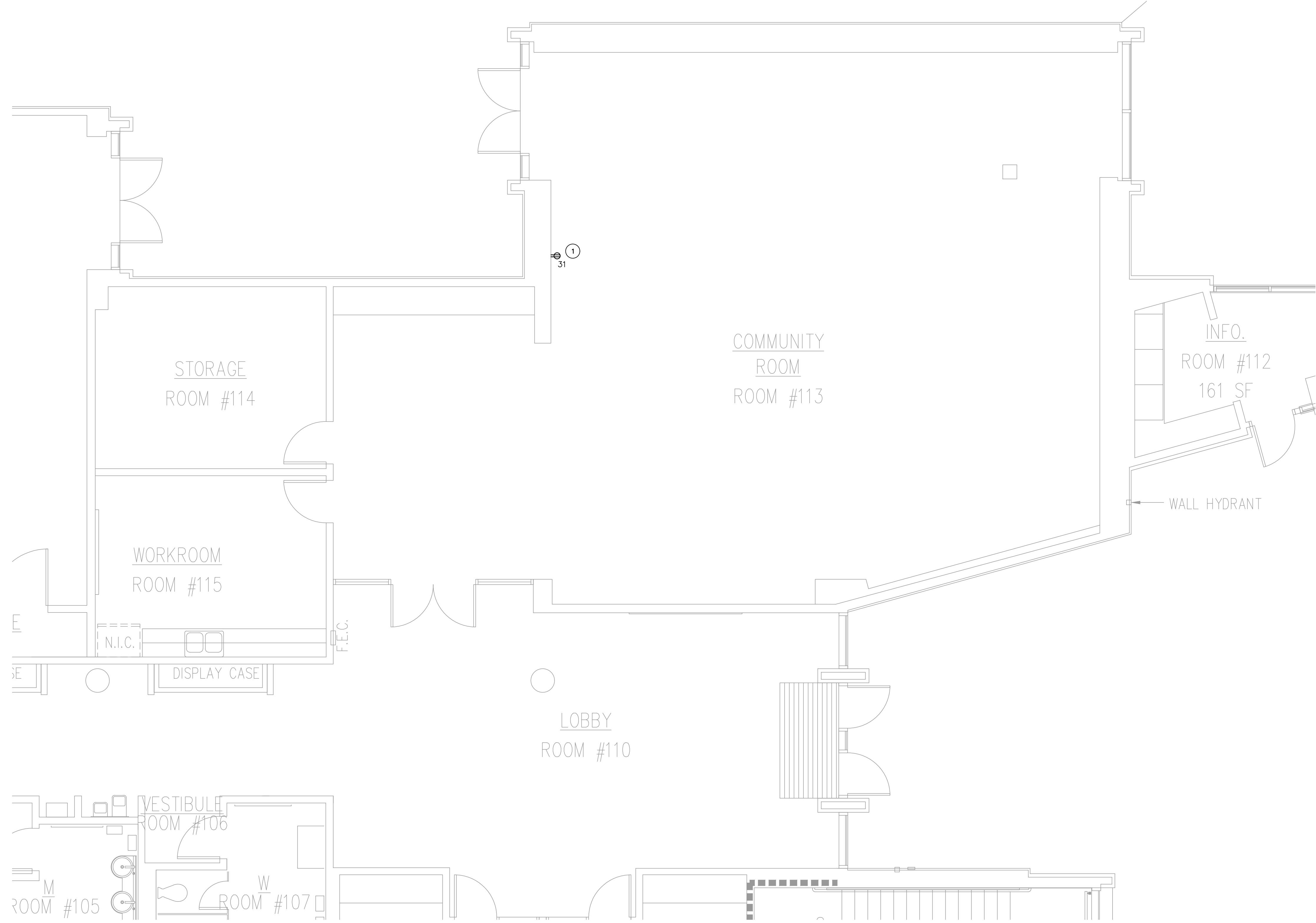


GENERAL NOTES:

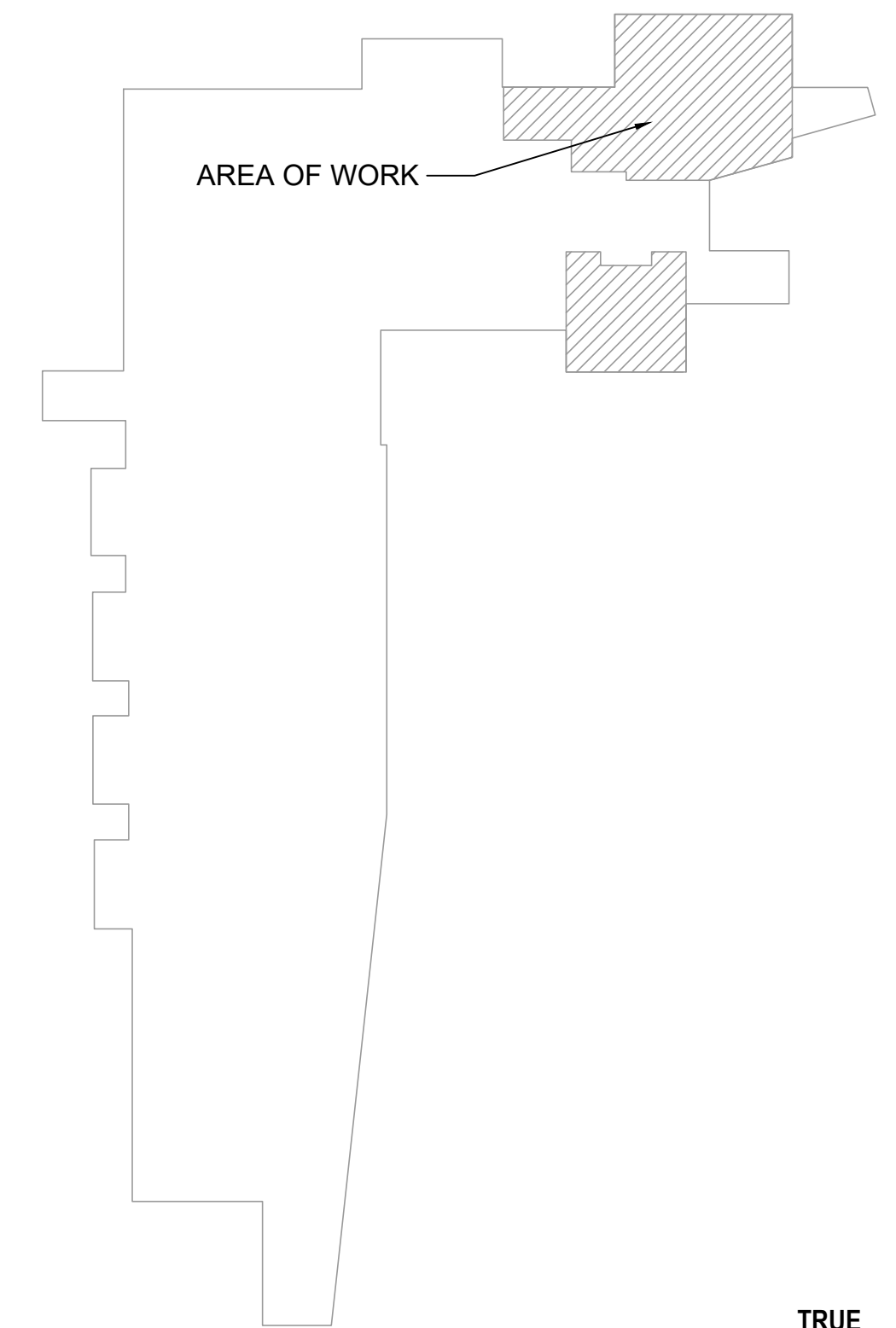
- A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLE AND DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN WORKS.
- B. COORDINATE LOCATION OF HVAC EQUIPMENT WITH DIVISION 23 PRIOR TO ROUGH-IN WORKS.
- C. ALL NEW WORK SHALL BE PER USPS LATEST DESIGN CRITERIA STANDARD AND SPECIFICATION DATED OCT 1, 2018.
- D. ELECTRICAL DISCONNECTS SHALL BE HEAVY DUTY CAPABLE OF BEING LOCKED IN THE OFF POSITION AND NEMA 4X WEATHERPROOF WHEN LOCATED OUTSIDE.

SHEET NOTES:

- ① REPLACE (E) WALL RECEPTACLE WITH NEW. CONNECT TO (E) FPWB (CIRCUIT #31). COORDINATE THE RECEPTACLE ELEVATION WITH THE EQUIPMENT VENDOR PRIOR TO ROUGH-IN. SEE DETAIL 1/E01.



**1 ELECTRICAL FLOOR PLAN**  
 SCALE: 1/4"=1'-0"



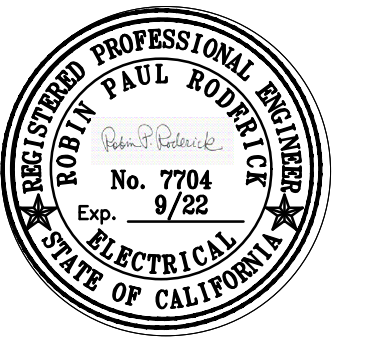
**3 ELECTRICAL KEY PLAN**  
 SCALE: NONE



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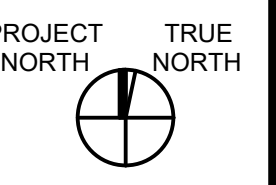
**Smith, Fause & McDonald Inc.**  
 Communications Engineering Group  
 351 8th Street  
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SEALS AND SIGNATURES



ISSUE SCHEDULE	NO.	DATE
PLAN REVIEW SUBMITTAL V1		12/30/2020
PLAN REVIEW SUBMITTAL V2		02/03/2021

**KEY PLAN**



**LOS MEDANOS COLLEGE**

**COMMUNITY ROOM & CONFERENCE ROOM AV UPGRADES**

SHEET TITLE:  
**COMMUNITY ROOM & CONFERENCE ROOMS L108/ L109 ELECTRICAL FLOOR PLAN**

SCALE: AS SHOWN  
 PROJECT NUMBER: 01-119293

SHEET NUMBER: **E113**

10/26/20 100% CONSTRUCTION DOCUMENTS



GENERAL NOTES:

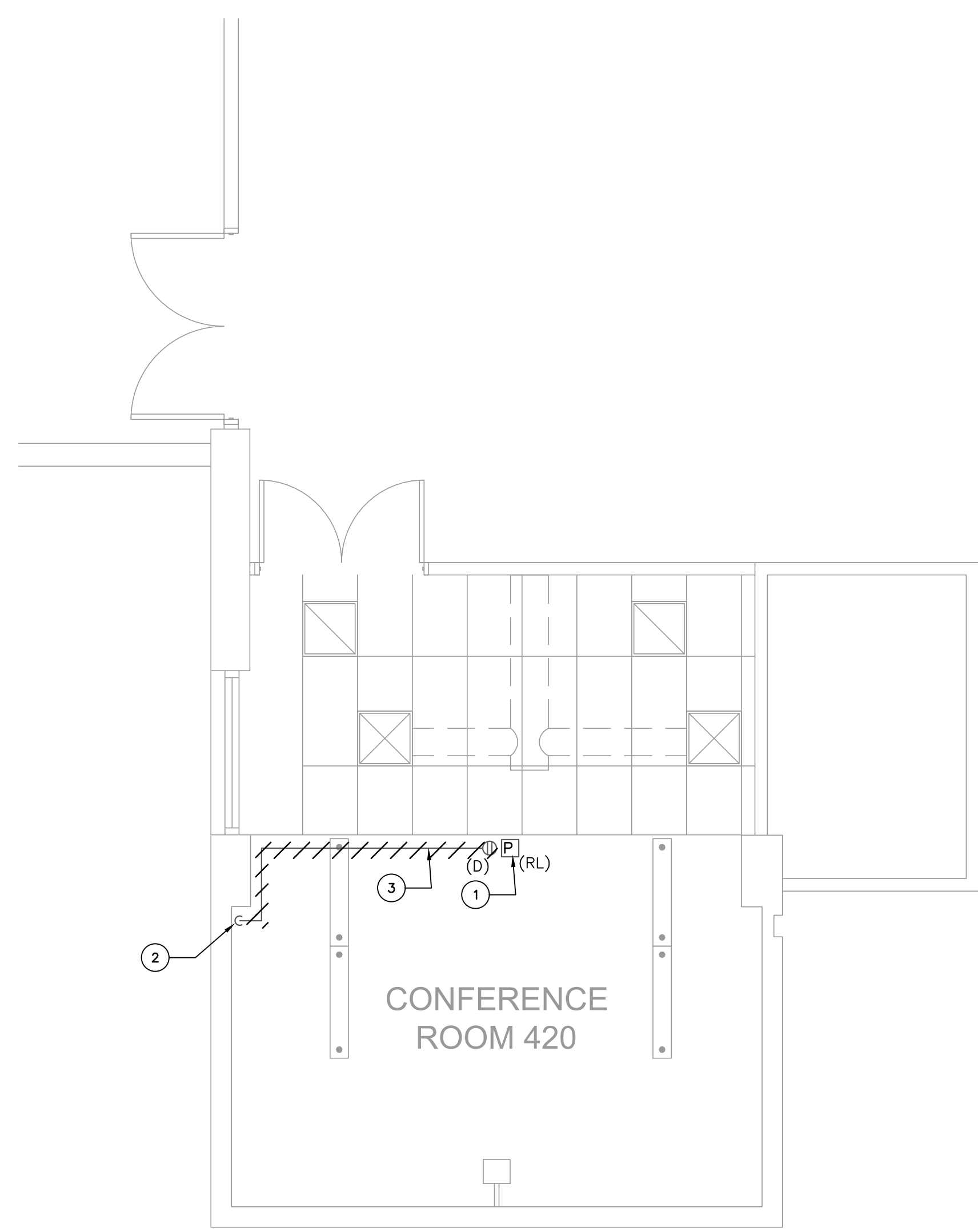
- A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLE AND DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN WORKS.
- B. COORDINATE LOCATION OF HVAC EQUIPMENT WITH DIVISION 23 PRIOR TO ROUGH-IN WORKS.
- C. ALL NEW WORK SHALL BE PER USPS LATEST DESIGN CRITERIA STANDARD AND SPECIFICATION DATED OCT 1, 2018.
- D. ELECTRICAL DISCONNECTS SHALL BE HEAVY DUTY CAPABLE OF BEING LOCKED IN THE OFF POSITION AND NEMA 4X WEATHERPROOF WHEN LOCATED OUTSIDE.

D

C

B

A

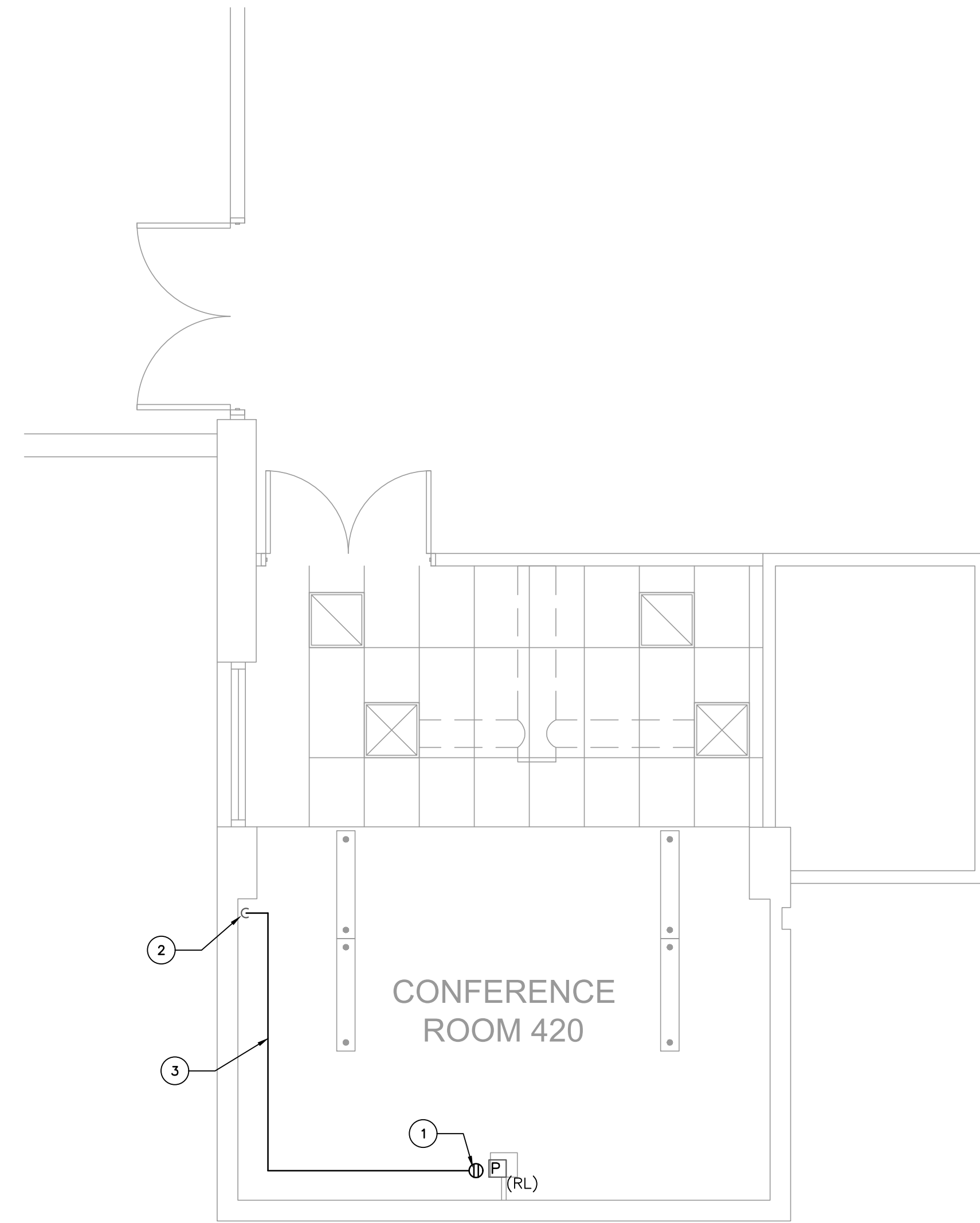


**1 ELECTRICAL PARTIAL FLOOR PLAN - DEMO WORK**

SCALE: 1/4"=1'-0"

SHEET NOTES-DEMO WORK:

- ① DISCONNECT POWER TO RELOCATED RECEPTACLE. REMOVE PORTION OF THE CONDUIT SERVING (RL) PROJECTOR AS SHOWN AS HATCH.
- ② (E) CONDUIT THROUGH FLOOR.
- ③ (E) CONDUIT EXPOSED AT THE CEILING.

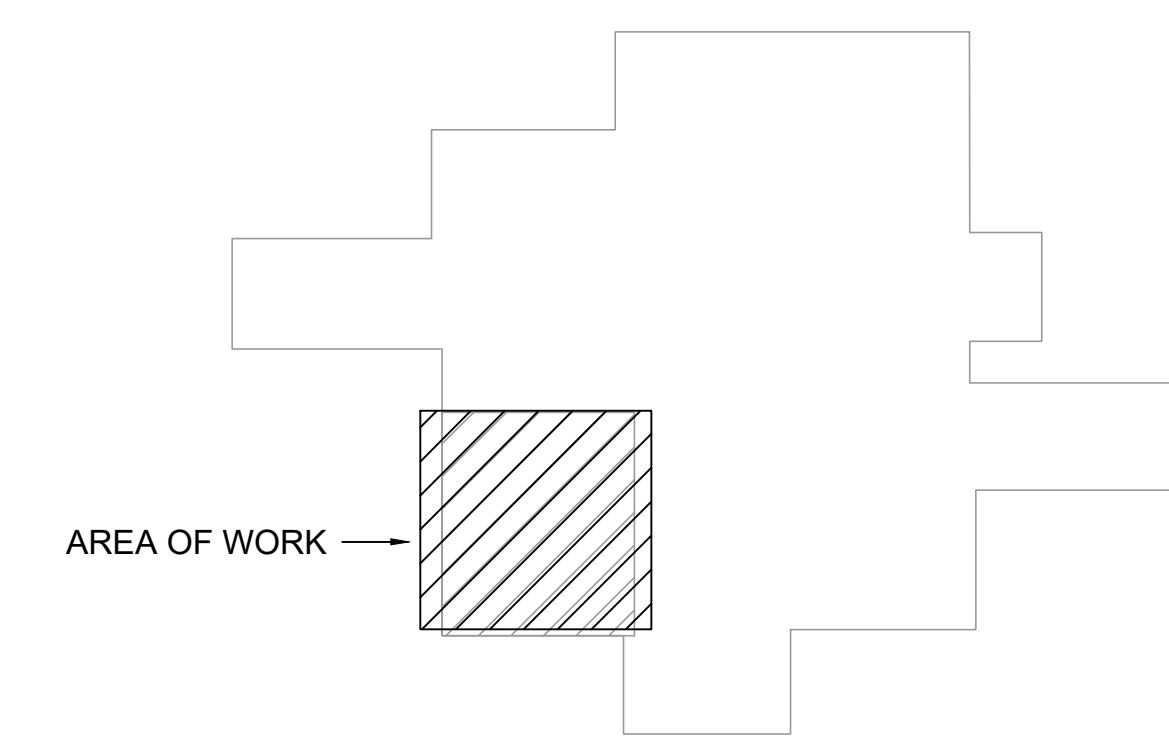


**1 ELECTRICAL PARTIAL FLOOR PLAN - NEW WORK**

SCALE: 1/4"=1'-0"

SHEET NOTES-NEWWORK:

- ① CONNECT (N) RECEPTACLE TO (E) CIRCUIT VIA 3/4" EXPOSED CONDUIT AT THE CEILING. INTERCEPT AND EXTEND EXISTING RECEPTACLE CIRCUIT (CONDUIT AND WIRING) TO NEW PROJECTOR LOCATION. COORDINATE LOCATION OF NEW CEILING RECEPTACLE WITH THE PROJECTOR NEW LOCATION PRIOR TO ROUGH-IN. PATCH CEILING TO MATCH (E).
- ② (E) CONDUIT THROUGH FLOOR.
- ③ (N) CONDUIT EXPOSED AT THE CEILING.

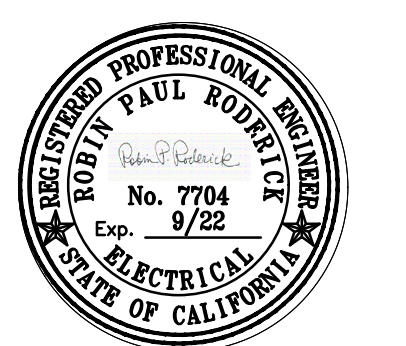


**3 ELECTRICAL KEY PLAN**

SCALE: NONE

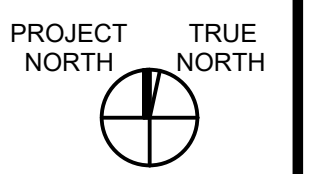


SEALS AND SIGNATURES



ISSUE SCHEDULE	NO.	DATE
PLAN REVIEW SUBMITTAL V1		12/30/2020
PLAN REVIEW SUBMITTAL V2		02/03/2021

**KEY PLAN**



LOS MEDANOS COLLEGE

COMMUNITY ROOM & CONFERENCE ROOM AV UPGRADES

SHEET TITLE:  
**ELECTRICAL PARTIAL CONFERENCE ROOM 420 FLOOR PLAN- DEMO & NEW WORKS**

SCALE: AS SHOWN  
 PROJECT NUMBER: 01-119293

SHEET NUMBER:

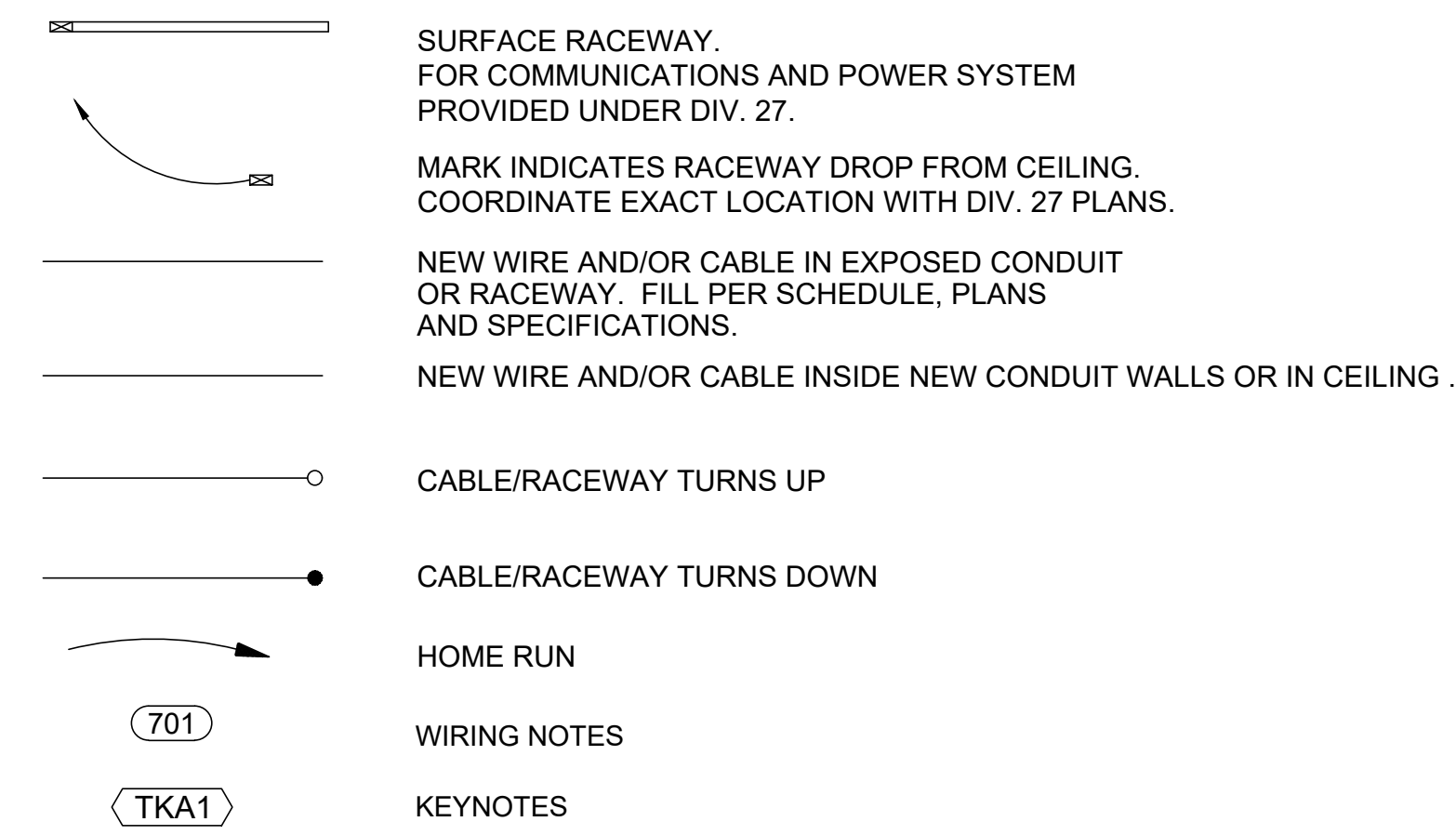
**E143**



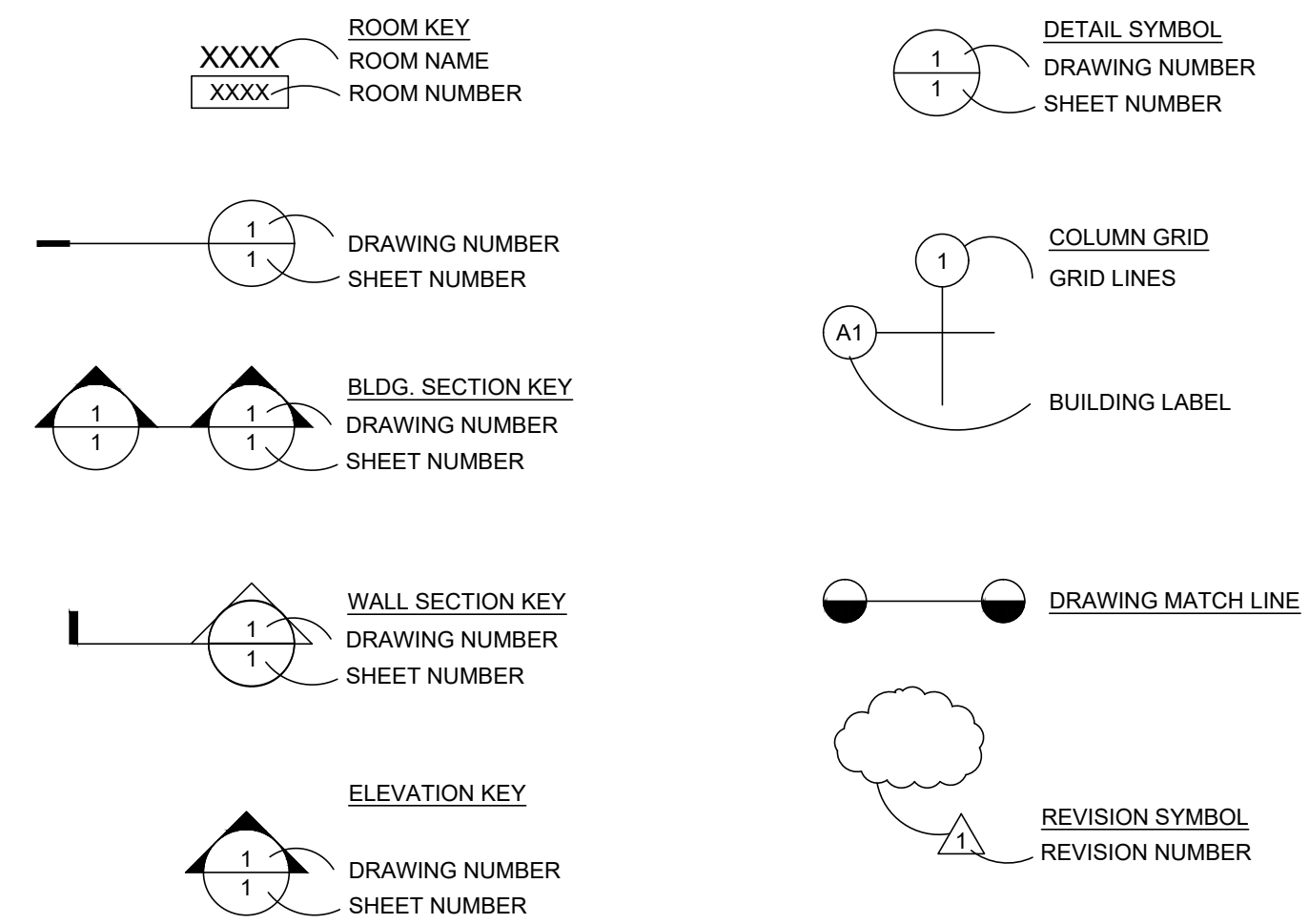
# AUDIO VISUAL SYSTEMS GENERAL NOTES

- REFER TO SPECIFICATIONS FOR COMPLETE REQUIREMENTS.
- PROVIDE CONDUIT, BOXES AND FITTINGS SHOWN ON AUDIO VISUAL SYSTEMS (AV) DRAWINGS UNDER THE WORK OF SECTION 27 05 33 COMMUNICATIONS RACEWAYS, BOXES AND FITTINGS, UNLESS OTHERWISE INDICATED. PROVIDE 1 INCH TRADE SIZE MINIMUM. PROVIDE RACEWAY SIZE AS REQUIRED FOR A MAXIMUM OF 30 PERCENT WIRE FILL.
- PROVIDE FIRESTOPPING UNDER THE WORK OF SECTION 27 05 33.
- LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON THE COMMUNICATIONS SYSTEMS DRAWINGS.
- DEVICE QUANTITIES SHOWN ON FLOOR PLANS AND REFLECTED CEILING PLANS TAKE PRECEDENCE OVER DEVICE QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS.
- QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS TAKE PRECEDENCE OVER QUANTITIES SHOWN ON RACK ELEVATIONS.
- QUANTITIES SHOWN ON DEVICE SCHEDULES TAKE PRECEDENCE OVER QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS, FLOOR PLANS AND REFLECTED CEILING PLANS.
- LOCATIONS SHOWN ON LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON SMALL SCALE DRAWINGS.
- NOT USED.
- WIRING FOR THE WORK OF AUDIO VISUAL SYSTEMS IS NOT PERMITTED TO SHARE CONDUIT, SLEEVES OR J-HOOKS WITH WIRING FOR WORK OF COMMUNICATIONS WIRES, CABLES AND RELATED. MAINTAIN AT LEAST 2 INCHES SEPARATION IF RUNNING PARALLEL. MAINTAIN AT LEAST 1 INCH OF SEPARATION VERTICALLY IF CROSSING AT RIGHT ANGLES.

# LEGEND



# GENERAL SYMBOLS



# ABBREVIATIONS

A.D.A.	AMERICANS WITH DISABILITIES ACT	MMF	MULTI MODE OPTICAL FIBER
A.F.C.	ABOVE FINISHED CEILING	MOD.	MODULAR
A.F.F.	ABOVE FINISHED FLOOR	MPOE	MINIMUM POINT OF ENTRY
ALT	ALTERNATE	(N)	NEW
A.M.F.F.	ABOVE MEZZANINE FINISHED FLOOR	NEC	NATIONAL ELECTRICAL CODE
BDF	BUILDING DISTRIBUTION FACILITY	N.I.C.	NOT IN CONTRACT
B.F.C.	BELOW FINISHED CEILING	NTS	NOT TO SCALE
BLDG.	BUILDING	O.C.	ON CENTER
B.O.H.	BACK OF HOUSE	O.D.	OUTSIDE DIAMETER
C.	CONDUIT	O.F.E.	OWNER FURNISHED EQUIPMENT
CAT.	CATEGORY	OPP.	OPPOSITE
CBC	CALIFORNIA BUILDING CODE	OSP	OUTSIDE PLANT
CEC	CALIFORNIA ELECTRICAL CODE	PNL.	PANEL
COMM.	COMMUNICATIONS	PROJ.	PROJECT
C.L.	CENTERLINE	P.S.R.H.	PROJECT STANDARD RECEPTACLE HEIGHT +18" ATT. U.O.N.
C.O.	CONDUIT ONLY	P.S.S.H.	PROJECT STANDARD SWITCH HEIGHT +48" AFF TO U.O.N.
CONT.	CONTINUATION	RE:	REFER TO
CS	COMMUNICATIONS SYSTEM	REF.	REFERENCE
(D)	DEMOLISH EXISTING	S.A.D.	SEE ARCHITECTURAL DRAWINGS
DED	DEDUCTIVE	S.E.D.	SEE ELECTRICAL DRAWINGS
DIA.	DIAMETER	S.I.D.	SEE INTERIORS DRAWINGS
DIV	DIVISION	S.M.D.	SEE MECHANICAL DRAWINGS
(E)	EXISTING	SIM.	SIMILAR
EA.	EACH	SMF	SINGLE MODE OPTICAL FIBER
EIA	ELECTRONIC INDUSTRIES ASSOCIATION	SN	SHEET NOTE
ELEV.	ELEVATION	SP	SHIELDED PAIR - SEE SPECIFICATIONS
E.O.L.	END OF LINE	SPEC	SPECIFICATION
EQPT.	EQUIPMENT	S.R.	SURFACE RACEWAY
FIN	FINISHED	STD	STANDARD
FUT	FUTURE	STP	SHIELDED TWISTED PAIR
H.R.	HOME RUN	T.C.	TELECOMMUNICATIONS CLOSET
HT.	HEIGHT	TEL	TELEPHONE
IDF	INTERMEDIATE DISTRIBUTION FACILITY	TELCOM	TELECOMMUNICATIONS
J. JBOX	JUNCTION BOX	TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
LAN	LOCAL AREA NETWORK	TP	TWISTED PAIR
MAX.	MAXIMUM	TYP.	TYPICAL
MDF	MAIN DISTRIBUTION FACILITY	U.O.N.	UNLESS OTHERWISE NOTED
MIN.	MINIMUM	W/	WITH
		WP	WEATHERPROOF

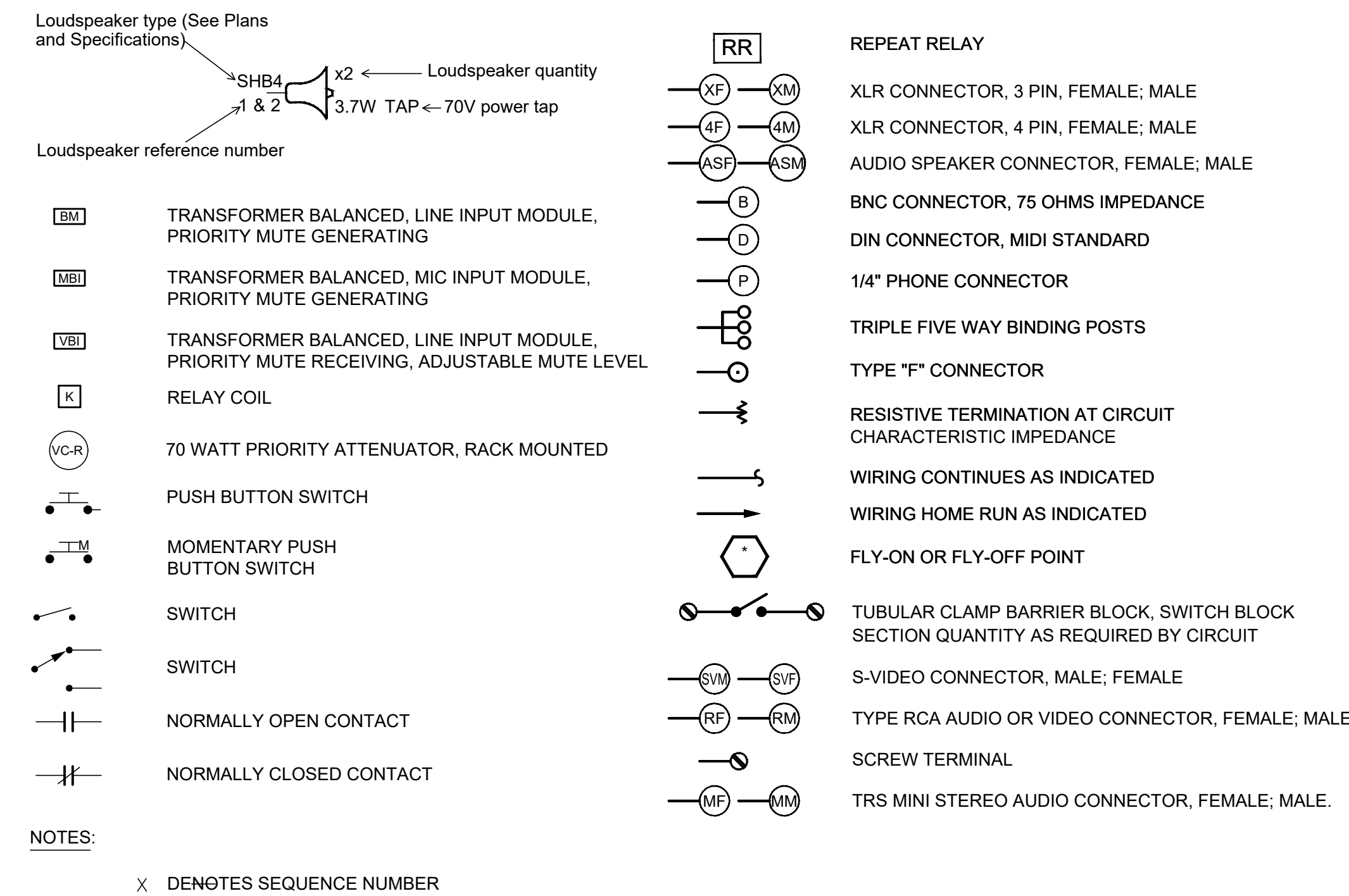
# ALS SCHEDULE

COMPLY WITH CBC 1104B.2 ASSISTIVE-LISTENING SYSTEMS IN ASSEMBLY AREAS. PROVIDE COMPLETE ASSISTIVE-LISTENING SYSTEMS UNDER THE WORK OF SECTION 27 41 16.

ROOM NAME/TYPE	TOTAL OCCUPANCY
Community Room	99
Conference #1	24
Conference #2	24
Conference 409	28
Conference 420	22
TOTAL OCCUPANCY AT ALS-REQUIRED SPACES:	197
PROVIDE QUANTITY OF RECEIVERS:	8
PROVIDE QUANTITY OF HEARING-AID COMPATIBLE NECK LOOPS:	2

2 TYPE OF LISTENING SYSTEM: PERMANENT RF or IR  
 3 LOCATION: FOR USE ANYWHERE WITHIN THE DESIGNATED AREAS.  
 4 SIGNAGE: PROVIDE UNDER WORK OF SECTION 10 14 00.

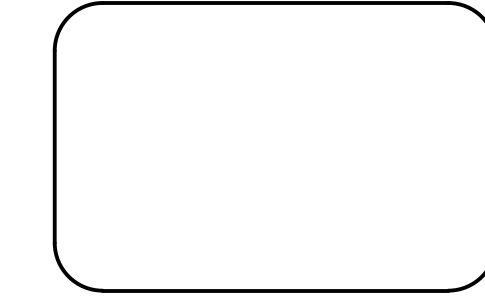
# AV FUNCTIONALS LEGEND



# JUNCTION BOX SCHEDULE

SYMBOL	H (INCHES)	W (INCHES)	D (INCHES)
J1	6	6	4
J2	8	8	4
J3	12	12	4
J4	12	12	6
J5	12	12	8
J6	16	12	8
J7	18	18	6
J8	20	16	6
J9	20	16	8
J10	20	20	6
J11	20	20	8
J12	24	20	6
J13	24	20	8
J14	24	24	8
J15	30	24	8
J16	30	30	8
J17	36	30	8
J18	36	36	8

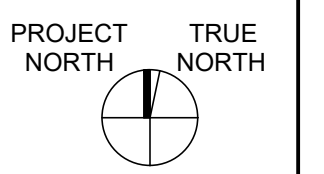
<b>SUFFIX:</b>	<b>NOTE</b>
NONE - NEMA 1	ALL JUNCTION BOXES TO BE HINGED TYPE, PROVIDED WITHOUT PRE-PUNCHED KNOCKOUTS. PENETRATIONS IN JUNCTION BOXES SHALL BE CUT OR PUNCHED AS REQUIRED FOR INSTALLATION. PAINT ALL INTERIOR BOXES TO MATCH WALL FINISH. COORDINATE FINISH WITH ARCH. PLANS.
A - NEMA 12	
B - NEMA 3R	
C - NEMA 4	
D - NEMA 4X	



SEALS AND SIGNATURES

ISSUE SCHEDULE	NO.	DATE
PLAN REVIEW SUBMITTAL V1		12/30/2020
PLAN REVIEW SUBMITTAL V2		02/03/2021

# KEY PLAN



LOS MEDANOS COLLEGE

COMMUNITY ROOM & CONFERENCE ROOM AV UPGRADES

SHEET TITLE:  
**GENERAL NOTES, LEGEND, SYMBOL, ABBREV., JBOX & ALS SCHEDULES**

SCALE: AS SHOWN  
 PROJECT NUMBER: 01-119293

SHEET NUMBER: **TA-001**

100% CONSTRUCTION DOCUMENTS 10/26/20

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C

B

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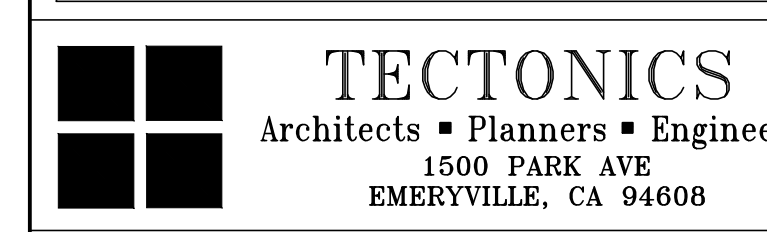


SYMBOL	DEVICE	FUNCTION OR SERVICE	LOCATION	WORK OF	ROUGH-IN	RACEWAY	ELEVATION	CABLE FILL & HOMERUN DESTINATION, U.O.N.	FINISH	WEIGHT, LB	DETAIL SHEET(S)
(A)	ASSISTIVE LISTENING TRANSMITTER	AUDIO VISUAL	CEILING	27 41 16	FLUSH 4S BOX, 1 G. RING.	R6	SURFACE MOUNT TO CEILING	SERVING IDF AV RACK	WHITE	1	N/A
BMIC	BOUNDARY MICROPHONE ARRAY	AUDIO VISUAL	CONFERENCE TABLE	27 41 16	N/A	N/A	TABLE SURFACE	UMBILICAL TO FLOORBOX BELOW	BLACK	N/A	N/A
HCBP	CONTROL BUTTON PANEL, WALL MOUNTED	AUDIO VISUAL	WALL	27 41 16	AT EXISTING CONTROL BUTTON PANEL LOCATION	R6	AT EXISTING CONTROL BUTTON PANEL LOCATION	PER FUNCTIONAL AND AS NOTED	WHITE	N/A	N/A
CCAM	USB CONFERENCING CAMERA	AUDIO VISUAL	WALL	27 41 16	FLUSH 4S BOX, 1 G. RING.	R6	+84" A.F.F., U.O.N.	PER FUNCTIONAL AND AS NOTED	WHITE	7	N/A
CM	CEILING MICROPHONE ARRAY	AUDIO VISUAL	CEILING	27 41 16	MFG. CEILING MOUNT KIT	R6	CEILING	PER FUNCTIONAL AND AS NOTED	WHITE	5	
CONFBSBS	INTEGRATED CONFERENCING CAMERA/MICROPHONE/SOUNDBAR	AUDIO VISUAL	SET/WALL ATTACHED	27 41 16	N/A	N/A	BELOW FLAT PANEL DISPLAY	PER FUNCTIONAL AND AS NOTED	BLACK	12	N/A
CTP	AV CONTROL TOUCH PANEL, TOPSET	AUDIO VISUAL	CONFERENCE TABLE	27 41 16	FLUSH 2G BOX, W/ 2G. RING.	R6	+40" A.F.F. TO CL, U.O.N.	UMBILICAL TO FLOORBOX BELOW	WHITE	2	N/A
HCTW	AV CONTROL TOUCH PANEL, WALL MOUNTED	AUDIO VISUAL	WALL	27 41 16	FLUSH 2G BOX, W/ 2G. RING.	R6	+40" A.F.F. TO CL, U.O.N.	PER FUNCTIONAL AND AS NOTED	WHITE	2	N/A
FCB (E)	FLOOR BOX, (EXISTING)	COMMUNICATIONS & AUDIO-VISUAL	FLOOR (E)	27 05 33	EXISTING	N/A	FLUSH IN FLOOR	AS SCHEDULED	ALUMINUM OR BRUSHED SS EXPOSED TRIM. COORDINATE CARPET CUT AND INSERT.	N/A	N/A
FPWB	FLAT PANEL ROUGH-IN BOX (E)	AUDIO VISUAL	FLUSH IN WALL - (E)	27 05 33	EXISTING	N/A	SEE DISPLAY ELEVATION, CENTERLINE OF FPWB TO MATCH CENTERLINE OF DISPLAY	AS SCHEDULED	WHITE	10	TA-901
LCD23	FLAT PANEL DISPLAY, 23" DIAGONAL CLASS, TOPSET/PANEL MOUNT	AUDIO VISUAL	PRESENTATION LECTERN/RACK R33	27 41 16	N/A	N/A	PRESENTATION LECTERN/RACK PANEL	N/A	BLACK	20	N/A
LCD70	FLAT PANEL DISPLAY, 70" DIAGONAL CLASS	AUDIO VISUAL	WALL	27 41 16	FPWB	SEE FPWB	+80" A.F.F. TO UNDERSIDE	N/A	BLACK	145	TA-901
LCD80	FLAT PANEL DISPLAY, 80" DIAGONAL CLASS	AUDIO VISUAL	WALL	27 41 16	FPWB	SEE FPWB	+65" A.F.F. TO CENTERLINE	N/A	BLACK	175	TA-901
MP1	MEDIA INPUT PANEL, HDMI-4K	AUDIO VISUAL	WALL/FLOORBOX	27 41 16	AT WALL: 2-3/4" DEEP 1G BOX W/ RING, IN FLOORBOX: 1G PLATE	R6	+40" A.F.F. TO CL, U.O.N.	PER FUNCTIONAL AND AS NOTED	WHITE	N/A	N/A
MP2	MEDIA INPUT PANEL, RJ45	AUDIO VISUAL	FLOORBOX	27 41 16	1G PLATE IN FLOORBOX (MULTIPLE RJ45 JACKS SHOWN ON ROOM FUNCTIONAL DIAGRAMS MAYBE COMBINED ONTO A SINGLE PLATE	R6	+40" A.F.F. TO CL, U.O.N.	PER FUNCTIONAL AND AS NOTED	WHITE	N/A	N/A
R18	SLIDE-OUT/PIVOT UNDERCOUNTER AV EQUIPMENT RACK	AUDIO VISUAL	INDICATED	27 11 16	PROPRIETARY MANUFACTURER BACKBOX.	(4) 2" C. FROM REAR OF RACK TO ABOVE ACCESSIBLE CEILING	IN CASEWORK	PER FUNCTIONAL AND AS NOTED	BLACK	50	TA902
R33 (E)	4-POST AV EQUIPMENT RACK (EXISTING)	AUDIO VISUAL	INDICATED	27 11 16	N/A	(E) CONDUITS AND PATHWAY TO COMMUNITY ROOM EQUIPMENT TO BE RE-USED WHERE POSSIBLE.	FLOOR	PER FUNCTIONAL AND AS NOTED	BLACK	400	TA903
SA	LOUDSPEAKER, FLUSH-MOUNT, CEILING	AUDIO VISUAL	FLUSH IN FINISHED CEILING	27 41 16	PROPRIETARY MANUFACTURER BACKBOX.	R6	CEILING	PER FUNCTIONAL AND AS NOTED	WHITE	10.4	N/A
HSP	LOUDSPEAKER, SURFACE-MOUNT, WALL	AUDIO VISUAL	WALL	27 41 16	PROVIDE ONE (1) 5" SQUARE x 2.875" DEEP BOX WITH TWO (2) GANG RING EQUAL TO RANDL INDUSTRIES 5 SQUARE. www.randl-inc.com	R5	+80" A.F.F. TO UNDERSIDE	PER FUNCTIONAL AND AS NOTED	WHITE	12	N/A
VPROJ	VIDEO PROJECTOR, CEILING MOUNT. REFER TO ENLARGED PLANS.	AUDIO VISUAL	INDICATED	27 41 16	REUSE EXISTING CEILING/POLE MOUNT	R2	AS DETAILED - ALIGN TOP OF PROJECTOR LENS LEVEL WITH TOP OF VIEWABLE AREA OF PROJECTION SCREEN.	PER FUNCTIONAL AND AS NOTED	WHITE	50	TA902
VPROJ1	SHORT-THROW WALL MOUNT VIDEO PROJECTOR	AUDIO VISUAL	INDICATED	27 41 16	PROPRIETARY MANUFACTURER MOUNTING PLATE, S.A.D. FOR MOUNTING HARDWARE REQUIREMENTS	PROVIDE SURFACE-MOUNT RACEWAY FROM PROJECTOR MOUNT LOCATION TO R18.	MOUNT PROJECTOR TO ALIGN WITH VIEWABLE AREA OF PROJECTABLE WHITE-BOARD SURFACE BELOW, S.A.D. FOR WHITEBOARD DETAILS/ELEVATIONS.	PER FUNCTIONAL AND AS NOTED	WHITE	40	N/A
WMIC	WIRELESS MICROPHONE	AUDIO VISUAL	INDICATED	27 41 16	FLUSH 4S BOX, 1 G. RING.	R6	CEILING	PER FUNCTIONAL AND AS NOTED	WHITE	N/A	N/A

NOTE NO. WORK OF NOTES

- LOCATION & ROUGH-IN NOTES
- LR11 INSTALLED ASSEMBLY, INCLUDING MONITOR SHALL NOT PROJECT MORE THAN 4" FROM FACE OF WALL.
  - LR12 MATCH PROJECT SWITCH HEIGHT
  - LR13 4S BOX W/ 1 GANG RING BLANK COVER PLATE
  - LR14 NOT USED
  - LR15 NOT USED
  - LR16 NOT USED
  - LR17 MANUFACTURER'S VENTED BACKBOX .
  - LR18 NOT USED
  - LR19 4S BOX, 2-1/8" DEEP MIN., W/ 1 GANG RING WITH LOCKING HINGED COVER PLATE (FSR WB-MR2G OR EQUAL).
  - LR110 NOT USED
  - LR111 PROVIDE BACKING AND SUPPORT FOR 5 POUND DEVICE.
  - LR112 PROVIDE DEVICE COMPLETE WITH BACKBOX, TILE SUPPORT RAILS AND CEILING CUTOUT TEMPLATE. COMPLY WITH SECTION 09 50 11 ACOUSTICAL PANEL CEILINGS.
  - LR113 PROVIDE BACKING IN WALL SUITABLE TO SUPPORT A 20 POUND DEVICE WITH A LOAD CENTROID 18 INCHES FROM THE FACE OF THE WALL.
  - LR114 PROVIDE BACKING IN WALL SUITABLE TO SUPPORT A 200 POUND DEVICE WITH A LOAD CENTROID 8 INCHES FROM THE FACE OF THE WALL.
  - LR115 AS DETAILED AND/OR SCHEDULED ON THE ARCHITECTURAL DRAWINGS.

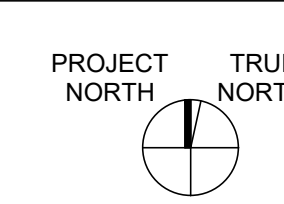
- RACEWAY NOTES
- R1 2" C. EXTEND TO ACCESSIBLE CEILING
  - R2 2" C. H.R. TO AV EQUIPMENT RACK
  - R3 NOT USED
  - R4 AS DETAILED AND/OR SCHEDULED
  - R5 3/4" C. H.R. TO ACCESSIBLE CEILING OR FLOOR, OR TO SERVING BDF, IDF OR EQUIPMENT ROOM, U.O.N.
  - R6 1" C. H.R. TO ACCESSIBLE CEILING OR FLOOR, OR TO SERVING BDF, IDF OR EQUIPMENT ROOM, U.O.N.
  - R7 1-1/4" C. H.R. TO ACCESSIBLE CEILING OR FLOOR, OR TO SERVING BDF, IDF OR EQUIPMENT ROOM, U.O.N.
  - R8 NOT USED
  - R9 AT ACCESSIBLE CEILING, PROVIDE ABOVE CEILING PATHWAY USING CABLE HOOKS. WHERE MOUNTED IN GYP CEILING, EXTEND 3/4" C. TO ACCESSIBLE CEILING.
  - R10 2 1-1/4" C TO 4 GANG COMPARTMENT, 1 - 1" TO 1 GANG COMPARTMENT, STUBBED TO ACCESSIBLE CEILING OR FLOOR. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL ROUGH-IN.
  - R11 UNLESS OTHERWISE SHOWN, PROVIDE 1.5" EMT SLEEVE, WITH INSULATED THROAT BUSHING AT EACH END, STUBBED OUT 4 INCHES FROM FACE OF WALL, AT ELEVATION APPROXIMATELY 6 INCHES ABOVE ACCESSIBLE CEILING. INSTALL SLEEVE IN AN ACCESSIBLE LOCATION AS DEFINED IN CALIFORNIA ELECTRICAL CODE, ARTICLE 100 DEFINITIONS. PROVIDE FIRESTOPPING UNDER WORK OF SECTION 27 05 33. BOND TO GROUND. COMPLY WITH DIVISION 26 AND SECTION 27 05 26 GROUNDING.
  - R12 4 1-1/4" C TO 6 GANG COMPARTMENT, 1 - 1.25" TO EA. 1 GANG COMPARTMENT, STUBBED TO ACCESSIBLE CEILING OR FLOOR, EXTEND TO SERVER ROOM IN BASKET TRAY. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL ROUGH-IN TO 3 GANG COMPARTMENT.
- ACCESSIBLE CEILING IS A T-BAR OR SIMILAR GRID BASED, PANELIZED REMOVEABLE CEILING MEETING THE DEFINITION FOR ACCESSIBLE WIRING METHODS IN ARTICLE 100 OF THE CALIFORNIA ELECTRICAL CODE.



SEALS AND SIGNATURES

ISSUE SCHEDULE	NO.	DATE
PLAN REVIEW SUBMITTAL V1		12/30/2020
PLAN REVIEW SUBMITTAL V2		02/03/2021

KEY PLAN



LOS MEDANOS COLLEGE

COMMUNITY ROOM & CONFERENCE ROOM AV UPGRADES

SHEET TITLE:  
ABBREVIATIONS, LEGEND AND SYMBOL

SCALE: AS SHOWN  
PROJECT NUMBER: 01-119293

SHEET NUMBER: TA-002

100% CONSTRUCTION DOCUMENTS 10/26/20

D

C

B

A

























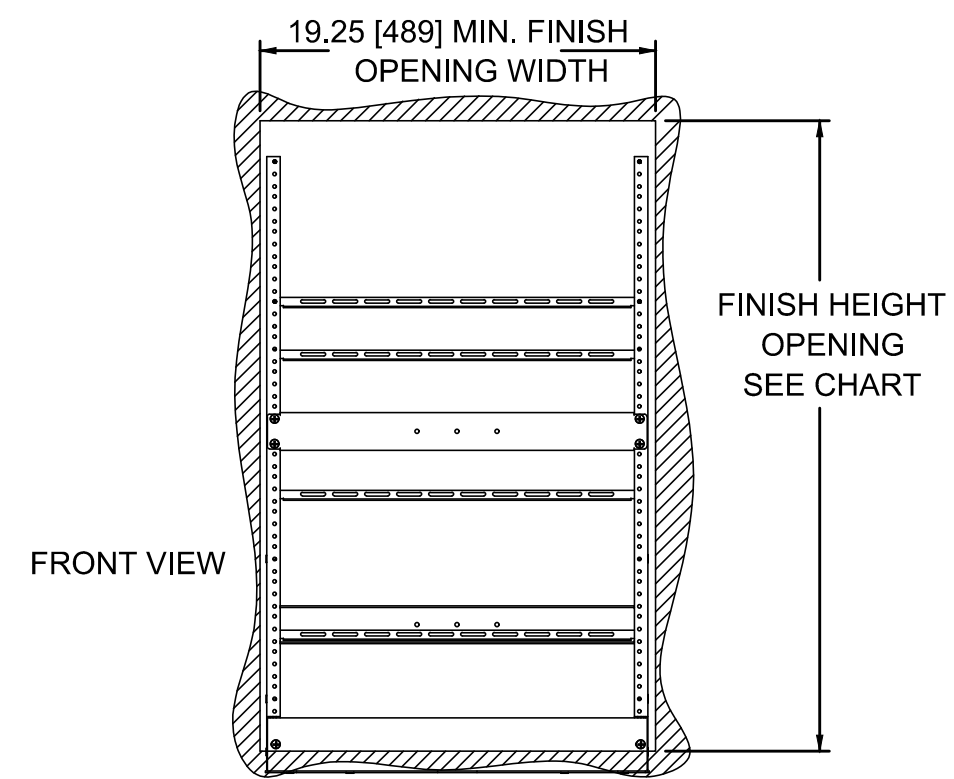




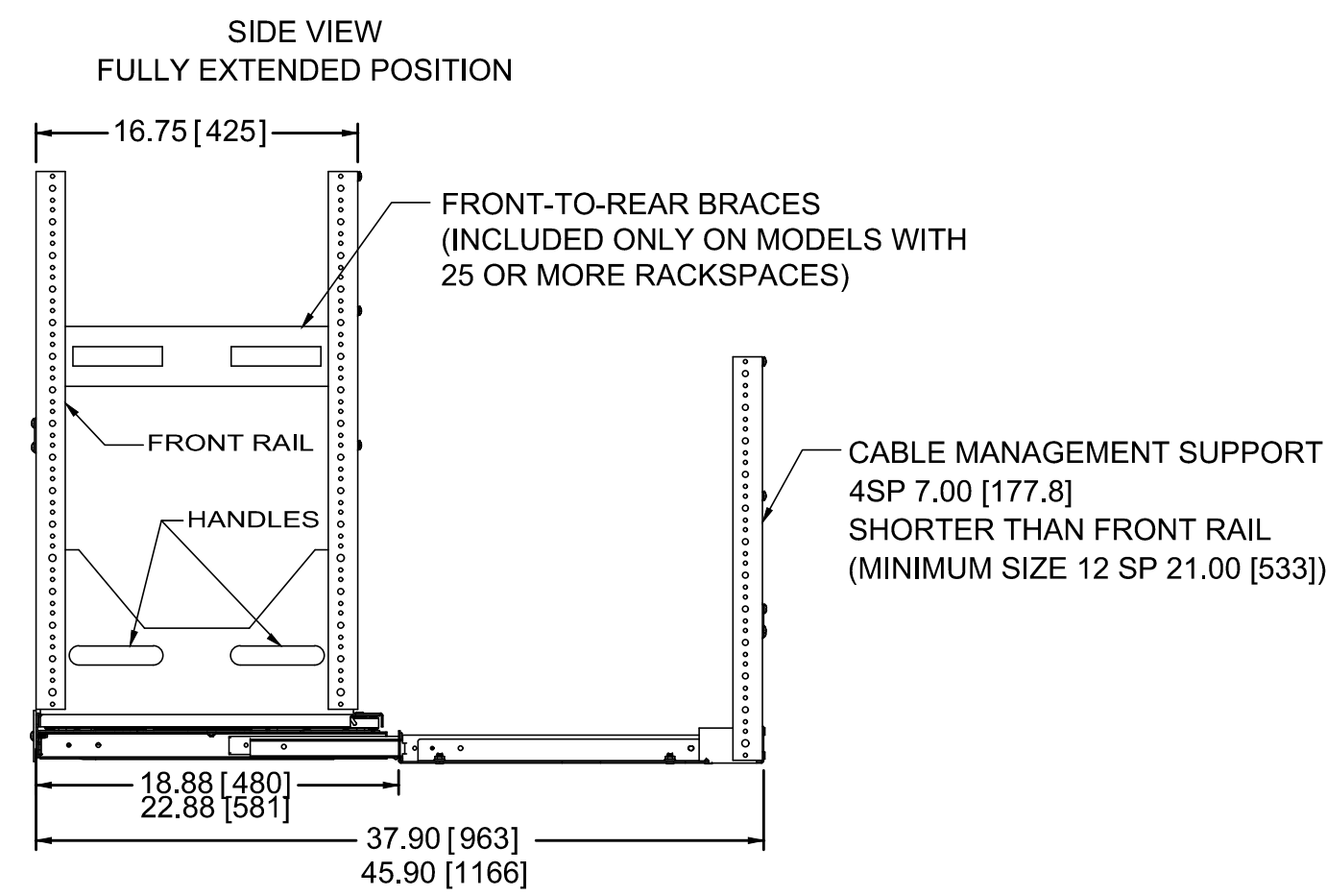


USABLE RACKSPACES	FINISH HEIGHT OPENING
12	23.95 [608]
13	25.70 [653]
14	27.45 [697]
15	29.20 [742]
16	30.95 [786]
17	32.70 [831]
18	34.45 [875]
19	36.20 [920]
20	37.95 [964]
21	39.70 [1008]
22	41.45 [1053]
23	43.20 [1097]
24	44.95 [1142]
25*	46.70 [1186]
26*	48.45 [1231]
27*	50.20 [1275]
28*	51.95 [1320]
29*	53.70 [1364]
30*	55.45 [1408]

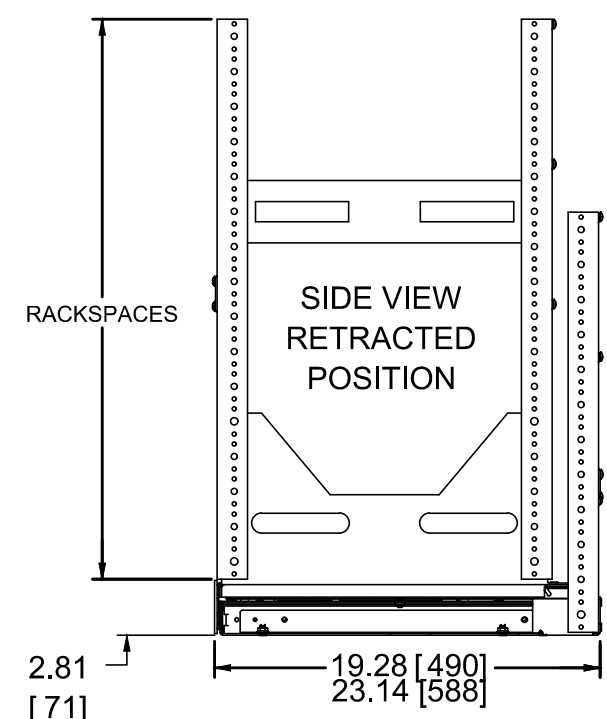
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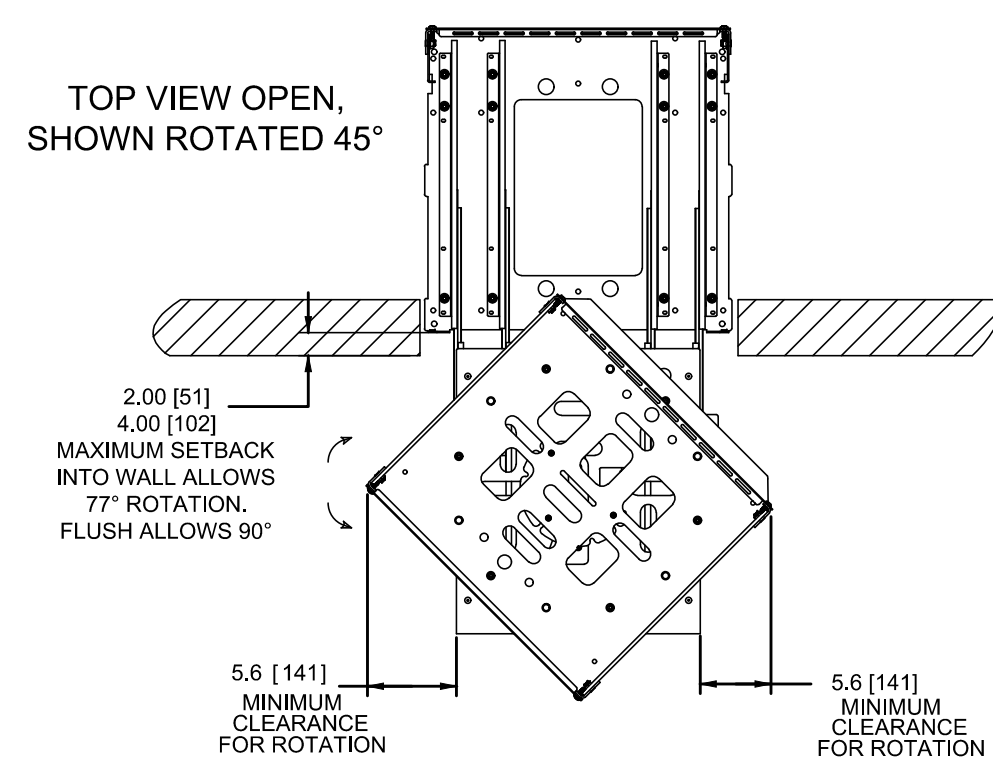
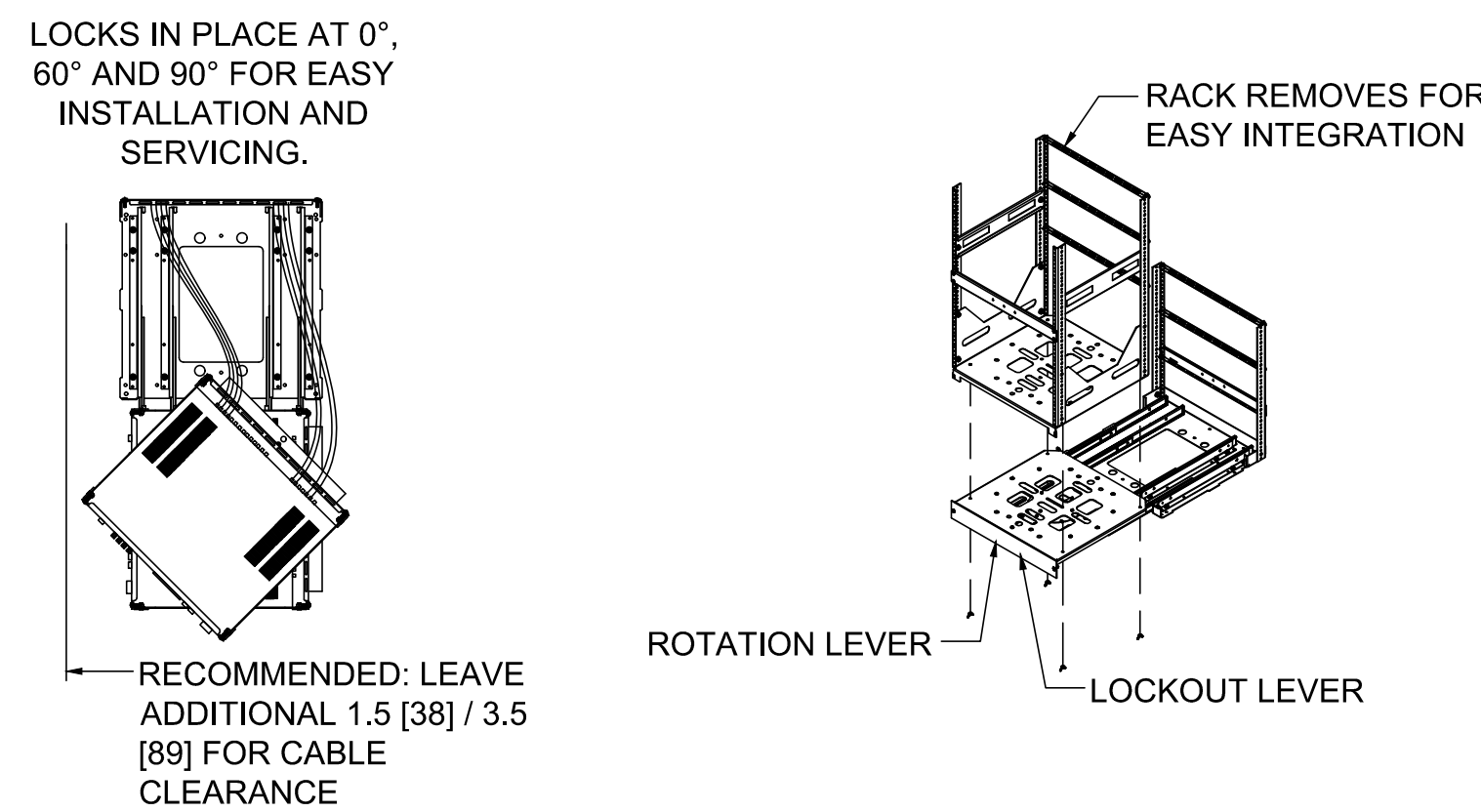
1D FRONT VIEW  
NTS



1E FULLY EXTENDED POSITION  
NTS



1C CLOSED POSITION  
NTS

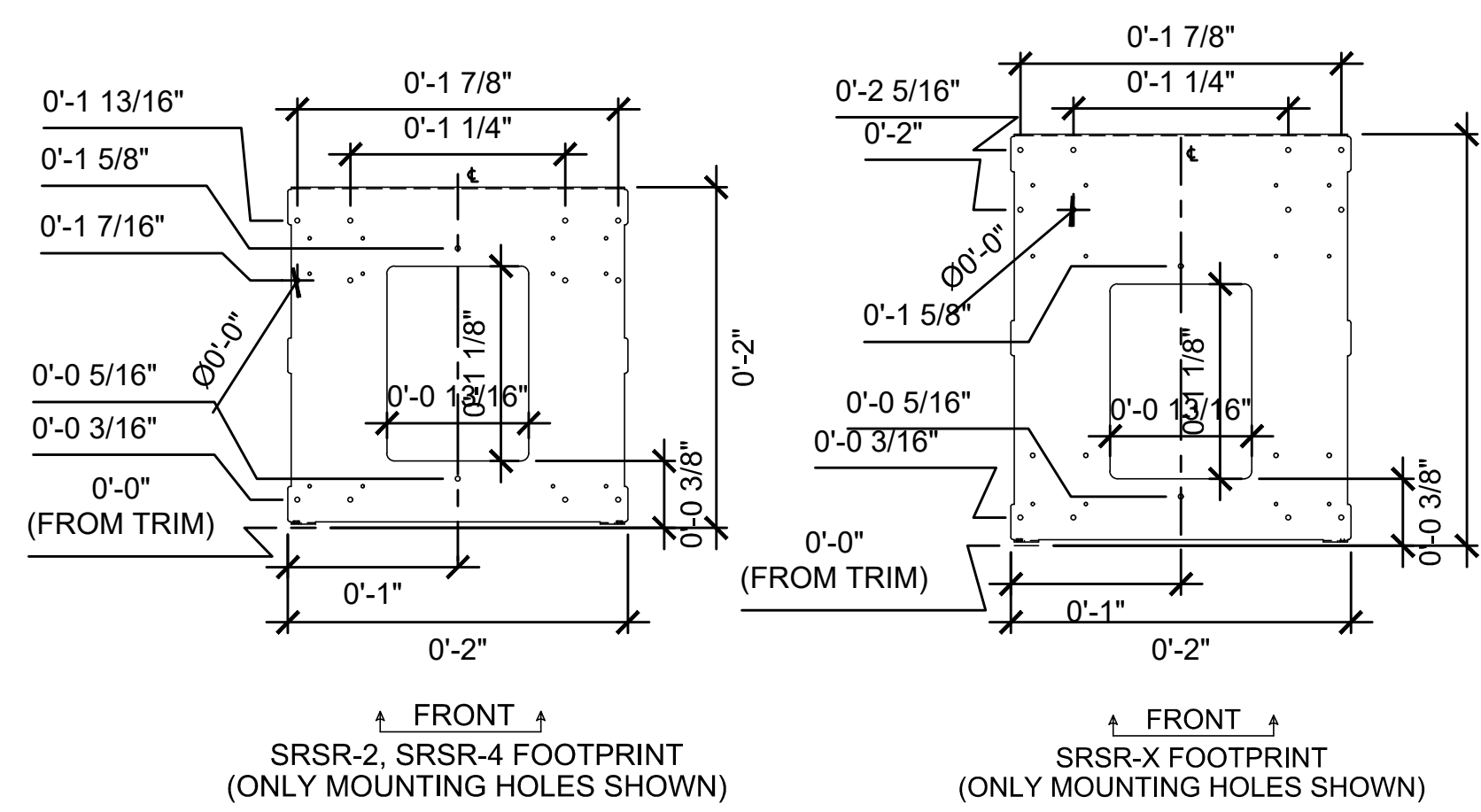


NOTE:  
SOME DIMENSIONS ARE GIVEN FOR BOTH SRSR AND SRSR-X IN THE FORM: [SRSR-2, SRSR-4] / [SRSR-X]

NOTE:  
SIZES MARKED WITH A "" ARE AVAILABLE FOR SRSR-4 AND SRSR-X ONLY

NOTE:  
ALL DIMS ARE GIVEN IN THE FORMAT INCHES [MM]

1B TOP VIEW  
NTS



1A R18 FOOTPRINT  
(ONLY MOUNTING HOLES SHOWN)  
NTS

1 R18 SLIDING RAIL SYSTEM  
NTS



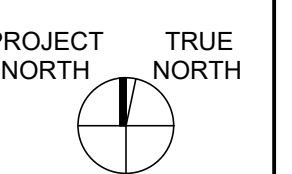
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SEALS AND SIGNATURES

ISSUE SCHEDULE	NO.	DATE
PLAN REVIEW SUBMITTAL V1		12/30/2020
PLAN REVIEW SUBMITTAL V2		02/03/2021

KEY PLAN



LOS MEDANOS COLLEGE

COMMUNITY ROOM & CONFERENCE ROOM AV UPGRADES

SHEET TITLE:

DETAILS - RACK R18

SCALE: AS SHOWN  
PROJECT NUMBER: 01-119293

SHEET NUMBER:

TA902

100% CONSTRUCTION DOCUMENTS



