



# GROSSMONT COLLEGE

## SWING SPACE PARKING LOT 1

8800 GROSSMONT COLLEGE DRIVE  
EL CAJON, CA 92020

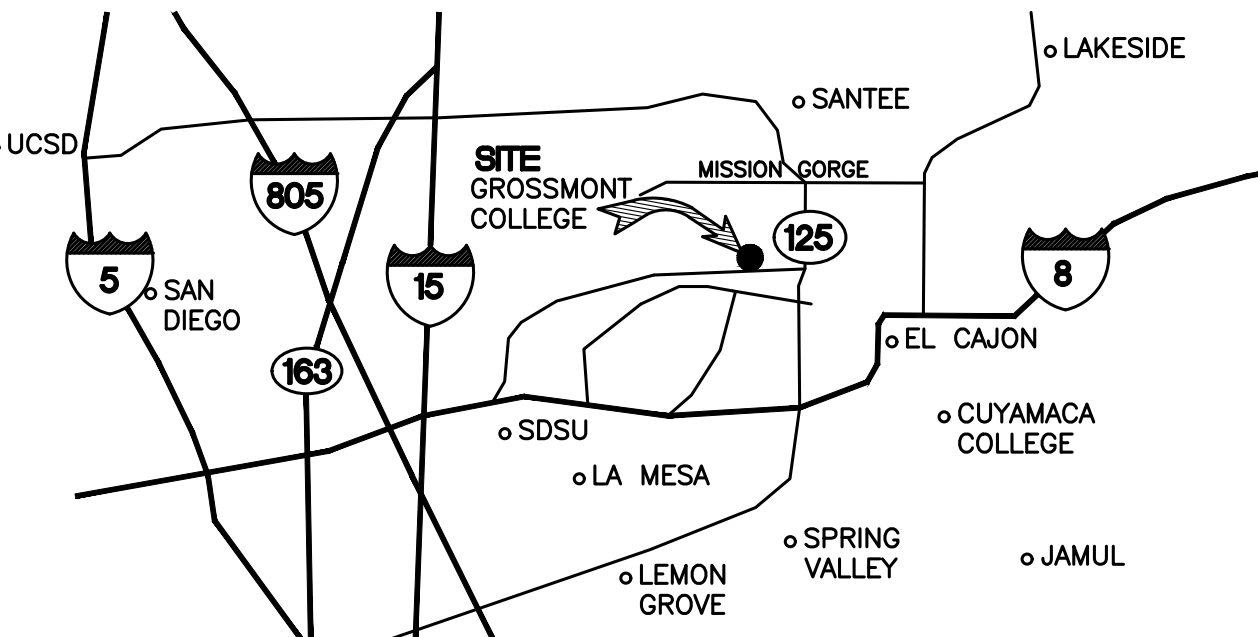
A/C	AIR CONDITIONING	S	SOUTH
ADJ.	ADJUSTABLE	SCHED	SCHEDULE
AFT	ABOVE FINISH FLOOR	SHT	SHEET
APPROX.	APPROXIMATELY	SIM.	SIMILAR
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	SPEC.	SPECIFICATION
AWG	AMERICAN WIRE GAUGE	SQ	SQUARE
		SS	STAINLESS STEEL
BLDG.	BUILDING	STL	STEEL
BLK.	BLOCK	STRUC	STRUCTURAL
B/S	BUILDING STANDARD	SUSP.	SUSPENDED
		S.V.	SHEET VINYL
CLG	CEILING	THRU	THROUGH
CLR.	CLEAR	TNND	TINNED
CONC.	CONCRETE	T.O.C.	TOP OF CONCRETE
CONST.	CONSTRUCTION	T.O.M.	TOP OF MASONRY
CONT.	CONTINUOUS	TS	TUBE STEEL
CO.	COMPANY	TYP.	TYPICAL
		UBC	UNIFORM BUILDING CODE
DBL.	DOUBLE	UL	UNDERWRITERS LAB
DIA.	DIAMETER	UNO	UNLESS NOTED OTHERWISE
DIAG.	DIAGONAL		
DIM.	DIMENSION		
DN	DOWN	VERT.	VERTICAL
DTL.	DETAIL	VIF	VERIFY IN FIELD
DWG.	DRAWING	VT	VINYL TILE
		W	WEST
E	EAST	W/	WITH
EA.	EACH	WDW	WINDOW
EL.	ELEVATION	W/O	WITHOUT
ELECT.	ELECTRICAL	W.P.	WORKING POINT
EQ.	EQUAL		
EQUIP.	EQUIPMENT		
E.W.	EACH WAY		
(E)	EXISTING		
EXT.	EXTERIOR		
FIN.	FINISH		
FLUOR.	FLUORESCENT		
FLR	FLOOR		
FT.	FOOT		
GA.	GAUGE		
GALV.	GALVANIZE(D)		
GC	GENERAL CONTRACTOR		
GRND	GROUND		
GWB	GYPSPUM WALL BOARD		
HDWD.	HARDWOOD		
HORIZ.	HORIZONTAL		
HR	HOUR		
HT.	HEIGHT		
HVAC	HEATING, VENTING AND AIR CONDITIONING		
I.D.	INSIDE DIA.		
IN.	INCH		
INFO	INFORMATION		
INSUL.	INSULATION		
INT.	INTERIOR		
LB(S)	POUND(S)	∠	ANGLE
		&	AND
MAX	MAXIMUM	@	AT
MECH	MECHANICAL	℄	CENTER LINE
MTL	METAL	#	NUMBER
MFR.	MANUFACTURER	ℓ	PROPERTY LINE
MGR	MANAGER	(A)	DOOR NUMBER
MIN	MINIMUM	①	WINDOW NUMBER
MISC	MISCELLANEOUS	△	REVISION
		②	KEY NOTE
N	NORTH	△	ELEVATION REFERENCE
N/A	NOT APPLICABLE	△	DETAIL REFERENCE
NIC	NOT IN CONTRACT	△	SECTION REFERENCE
NTS	NOT TO SCALE		
O/C	ON CENTER		
OD	OUTSIDE DIAMETER		
OPG.	OPENING		
OPP	OPPOSITE		
PLYWD.	PLYWOOD		
PR	PAIR		
PROJ	PROJECT		
PROP	PROPERTY		
PT	PRESSURE TREATED		
REQ'D	REQUIRED		
RM	ROOM		
R.O.	ROUGH OPENING		

BUILDING DEPT./GENERAL NOTES
1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS BEFORE STARTING WORK AND SHALL NOTIFY THE OWNER OF ANY DISCREPANCIES FOUND. DO NOT SCALE DRAWINGS.
2. ALL WORK SHALL COMPLY TO THE CALIFORNIA BUILDING CODE, 2023 EDITION. THESE PLANS AND ALL WORK SHALL COMPLY WITH THE CALIFORNIA BUILDING STANDARDS CODE FOUND IN STATE OF CALIFORNIA TITLE 24 CCR AS AMENDED AND ADOPTED BY THE COUNTY OF SAN DIEGO.
3. CONSTRUCTION LOAD (MATERIAL AND EQUIPMENT) SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURES HAVE NOT ATTAINED DESIGN STRENGTH.
4. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK TO BE DONE THE DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
5. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL UTILITY SERVICES IN THE AREA TO BE EXCAVATED (ABOVE AND BELOW GRADE) PRIOR TO COMMENCING THE WORK TO BE DONE.
6. SHOULD ANY LOOSE FILL/EXPANSIVE SOIL/GROUND WATER OR OTHER DANGEROUS CONDITIONS BE ENCOUNTERED DURING SITE EXCAVATION THE GENERAL CONTRACTOR, OWNER AND ENGINEER SHALL BE NOTIFIED AND ALL WORK SHALL CEASE IMMEDIATELY.
7. THE INSPECTOR WILL RECHECK FOR EXPANSIVE SOILS AND/OR GRADING REQUIREMENTS AT THE FIRST FOUNDATION INSPECTION.

CONTRACTOR'S NOTES:
1. CONTRACTOR LICENSE REQUIREMENT FOR THIS PROJECT IS 'B' (GENERAL BUILDING CONTRACTOR).
2. CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS.
3. PREVAILING WAGE IS REQUIRED FOR ALL WORK DONE ON THE GROSSMONT COLLEGE CAMPUS.
4. CONTRACTOR SHALL INCLUDE UNDERGROUND UTILITIES LOCATING SERVICE IN BASE BID.
5. CONTRACTOR SHALL PERFORM A GENERAL CLEAN-UP OF ALL WORKS AREAS ON A REGULAR BASIS.
6. REMOVE ALL DEBRIS AND MATERIALS FROM THE GROSSMONT COLLEGE CAMPUS – DO NOT USE CAMPUS TRASH BINS AND DUMPSTERS.
7. PLEASE RECYCLE DEMOLITION AND CONSTRUCTION WASTE. ASK ABOUT POSSIBLE DUMP SITES. SUBMIT RECYCLING TICKETS TO COLLEGE REPRESENTATIVE.

ENVIRONMENTAL HEALTH
1. SEWAGE DISPOSAL SHALL CONFORM TO COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC HEALTH, DIVISION OF SANITATION REQUIREMENTS.

### NOTES



THOMAS BROTHER'S MAP #1251-A2

<u>PROJECT DESCRIPTION:</u>	
THE PROJECT CONSISTS OF SITE PREPARATION AND UTILITY HOOK-UPS FOR THE PLACEMENT OF A PRE-MANUFACTURED MOBILE CLASSROOM.	
<u>PROJECT OWNER:</u> GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT/ PUBLIC AGENCY 8800 GROSSMONT COLLEGE DRIVE EL CAJON, CA 92020 619.644.7010 PHONE	<u>CONSTRUCTION TYPE:</u> TYPE V-B  <u>EXISTING OCCUPANCY:</u> NONE  <u>PROPOSED OCCUPANCY:</u> B  <u>EXISTING USE:</u> NONE  <u>PROPOSED USE:</u> RESTROOM  <u>PROJECT AREA:</u> 4000 SF
<u>ASSESSOR'S PARCEL NUMBER:</u> 502-040-05-00	
<u>LEGAL DESCRIPTION:</u> GROSSMONT COMMUNITY COLLEGE LEASE IN PUBLIC LAND	
<u>EXISTING LOT SIZE:</u> 116.88 ACRES (5091293 SF)	
<u>EXISTING ZONE:</u> R1-6 & R1-6H	
<u>JURISDICTION:</u> STATE OF CALIFORNIA	

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:
2023 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R
2023 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R (2018 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2019 CALIFORNIA AMENDMENTS)
2023 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R (2018 NATIONAL ELECTRIC CODE AND 2019 CALIFORNIA AMENDMENTS)
2023 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R (2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
2023 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
2023 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R
2023 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)
2023 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS

### PROJECT INFORMATION

#	DESCRIPTION OF TYPE OF INSPECTION REQUIRED	DESIGN STRENGTH

THE REVIEW OF THESE DRAWINGS IS LIMITED TO ONLY THOSE MODIFICATIONS AND/OR CHANGES SHOWN. A REVIEW OF EXISTING CONDITIONS WITHIN THE BUILDING(S) FOR THE PURPOSE OF COMPARING THESE CONDITIONS TO THE CURRENT CODE REQUIREMENTS HAS NOT BEEN MADE. EXISTING CONDITIONS ARE SUBJECT TO EVALUATION BY AUTHORITY HAVING JURISDICTION.

### STATEMENT OF GENERAL CONFORMANCE

T01	TITLE SHEET
AC10	ACCESSIBILITY NOTES
AC11	ACCESSIBILITY NOTES (CONT.)
A00	GROSSMONT COLLEGE CAMPUS PLAN
A01	SITE PLAN / ACCESSIBLE PATH OF TRAVEL
A02	AREA PLAN
A03	BLDG. 16 FLOOR PLAN
A031	BLDG. 15 FLOOR PLAN
A04	EXTERIOR ELEVATIONS
A041	EXTERIOR ELEVATIONS
A05	SECTION
A06	BLDG. 70
A07	DETAILS
E01	TITLESHEET
E10	GROSSMONT SITE PLAN
E20	POWER PLAN
E30	BLDG. 15 AND 16 POWER AND DATA
E40	BUILDING 70 POWER AND DATA
E50	PARTIAL SINGLE LINE DIAGRAM
E60	DETAILS
FA00	FIRE ALARM COVER SHEET
FA10	FIRE ALARM PLAN
FA11	FIRE ALARM RISER DIAGRAM
FA12	FIRE ALARM CALCULATIONS
FA13	FIRE ALARM NAC PANEL DETAILS
FA14	FIRE ALARM WIRING TYPICALS

ARCHITECT

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ARCHITECTURE + GRAPHICS  
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PROJECT NAME

GROSSMONT COLLEGE

PARKING LOT #1  
SWING SPACE  
8800 GROSSMONT COLLEGE DRIVE, EL CAJON, CA 92020

ISSUES REVISIONS

REV.	DATE	BY	ISSUE DESCRIPTION
REV-00	07/30/22	KMW	PRELIMINARY CD'S
REV-01	10/17/22	REBL	80% CD'S
REV-02	11/15/22	REBL	90% CD'S
REV-03	01/20/23	REBL	100% CD'S
REV-04	02/23/23	REBL	PROJECTORS & SCREENS

SHEET INFORMATION

DI DONATO ASSOCIATES  
ARCHITECTURE + GRAPHICS

T01  
TITLE SHEET

PROJECT # 1902.13  
PLOT SCALE 1:1 (24x36 1/2" SIZE)

THESE DESIGNS, DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DDA AND SHALL NOT BE USED IN CONNECTION WITH ANY OTHER WORK EXCEPT BY AGREEMENT WITH DDA. THERE SHALL BE NO CHANGES OR DEVIATION WITHOUT THE CONSENT OF DDA. WRITTEN DIMENSIONS SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE DDA PRIOR TO THE COMMENCEMENT OF ANY WORK.

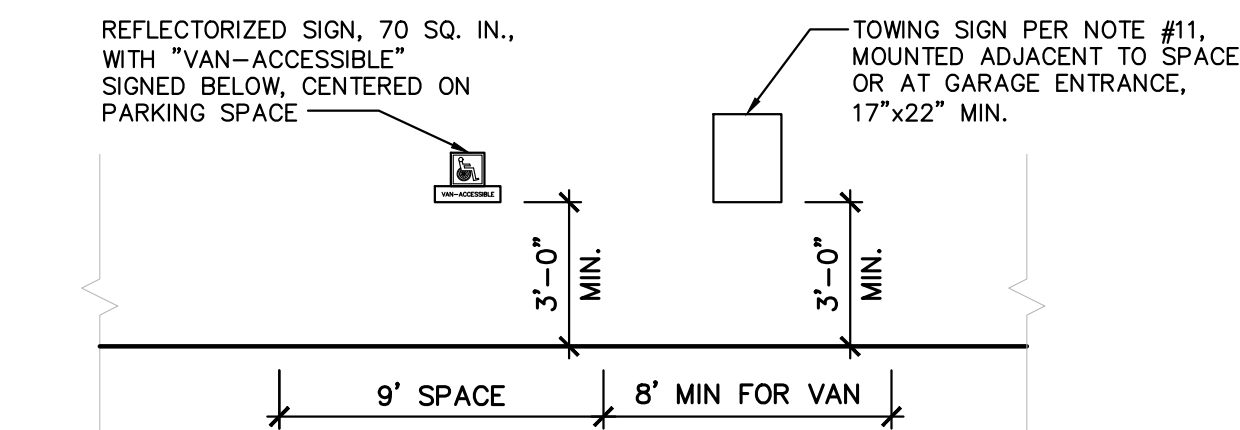
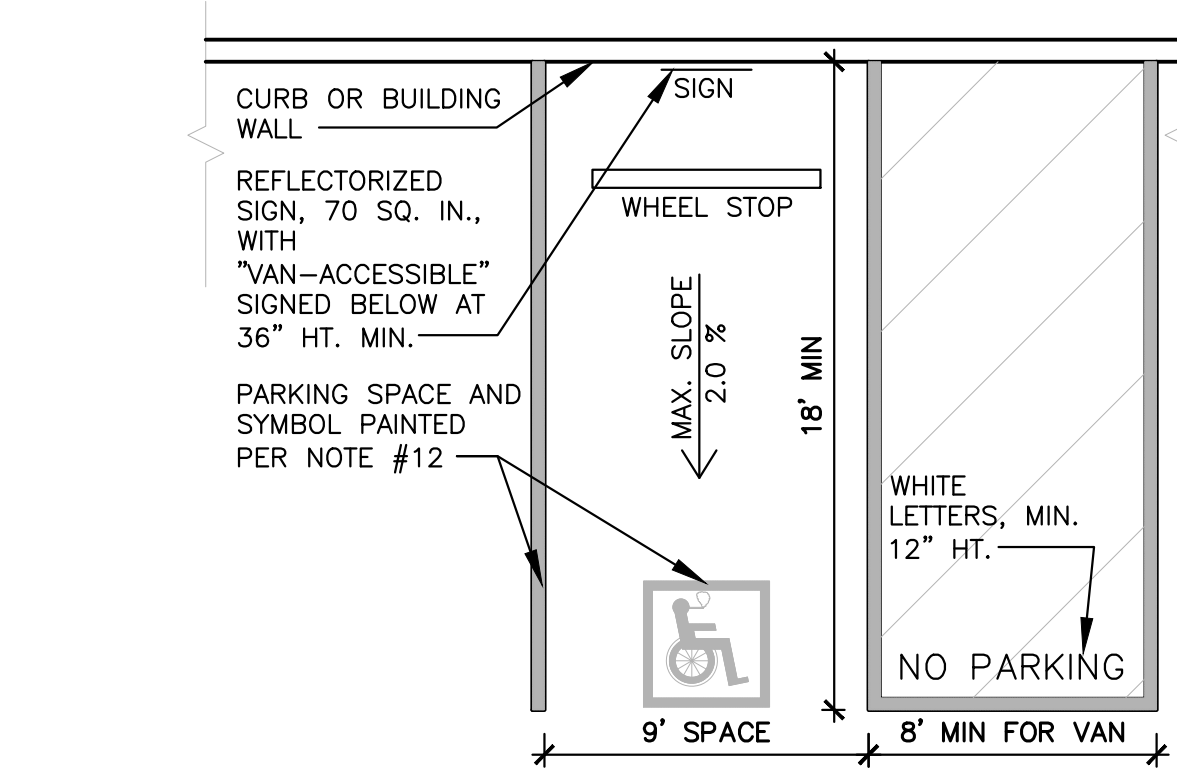


1. SITE DEVELOPMENT AND GRADING SHALL BE DESIGNED TO PROVIDE ACCESS TO ALL ENTRANCES AND EXTERIOR GROUND FLOOR EXITS, AND ACCESS TO NORMAL PATHS OF TRAVEL, AND WHERE NECESSARY TO PROVIDE ACCESS, SHALL INCORPORATE PEDESTRIAN RAMPS, CURB RAMPS, ETC. (CBC 1127B.1)
2. ALL ROUTES AND ACCESSIBLE PATHS OF TRAVEL WITHIN THE BOUNDARY OF THE SITE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING, AND ACCESSIBLE PASSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE. WHEN MORE THAN ONE ROUTE IS PROVIDED, ALL ROUTES SHALL BE ACCESSIBLE. (CBC 1114B.1.2)
3. WHEN MORE THAN ONE BUILDING OR FACILITY IS LOCATED ON A SITE, ACCESSIBLE ROUTES OF TRAVEL SHALL BE PROVIDED BETWEEN BUILDINGS AND ACCESSIBLE SITE FACILITIES. (CBC 1114B.1.2 AND 1127B.1)
4. THE ACCESSIBLE ROUTE OF TRAVEL SHALL BE THE MOST PRACTICAL DIRECT ROUTE BETWEEN ACCESSIBLE BUILDING ENTRANCES, ACCESSIBLE SITE FACILITIES, AND THE ACCESSIBLE ENTRANCE TO THE SITE. THE MAXIMUM EXIT DISTANCE, COINCIDING WITH THE ROUTE FOR THE GENERAL PUBLIC. (CBC 1114B.1.2 AND 1127B.1)
5. PROVIDE SIGNS DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AT EVERY PRIMARY PUBLIC ENTRANCE AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL. SIGNS SHALL INDICATE THE DIRECTION TO ACCESSIBLE BUILDING ENTRANCES AND SHALL COMPLY WITH CBC 1117B.5 AND CBC 1127B.3.

1. WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2", AND SHALL BE A MINIMUM OF 48" IN WIDTH. (CBC 1133B.7.1)
2. WHEN ABRUPT CHANGES IN LEVEL NOT EXCEEDING 1/2" OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1/2, EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL. (CBC 1133B.7.4 & FIGURE 11B-5E (c) AND (d)).
3. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE EXCEEDING 1/2" SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS. (CBC 1133B.7.4)
4. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20 HORIZONTAL, IT SHALL COMPLY WITH THE PROVISIONS OF CBC 1133B.5 AS A PEDESTRIAN RAMP. (CBC 1133B.7.3(A))
5. WALK AND SIDEWALK SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4" PER FOOT. (CBC 1133B.7.1.3)
6. WALKS SHALL BE PROVIDED WITH A LEVEL AREA NOT LESS THAN 60" BY 60" AT A DOOR OR GATE THAT SWINGS TOWARDS THE WALK, AND NOT LESS THAN 48" WIDE BY 44" DEEP AT A DOOR OR GATE THAT SWINGS AWAY FROM THE WALK. (CBC 1133B.7.5)
7. WALKS SHALL EXTEND A MINIMUM OF 24" TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARD THE WALK. (CBC 1133B.7.5)
8. ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS AT LEAST 5' IN LENGTH AT INTERVALS OF AT LEAST EVERY 400'. (CBC 1133B.7.6)
9. WALK AND SIDEWALK SURFACES WITH A SLOPE LESS THAN 6% GRADIENT SHALL BE AT LEAST AS SLIP RESISTANT AS THAT DESCRIBED AS A MEDIUM SALTED FINISH. (CBC 1133B.7.11)
10. WALK AND SIDEWALK SURFACES WITH A SLOPE OF LESS THAN 6% GRADIENT SHALL BE AT LEAST AS SLIP-RESISTANT. (CBC 1133B.7.1.2)
11. WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE NO GREATER THAN 1/2" WIDE IN ONE DIRECTION. IF GRATINGS HAVE ELONGATED OPENINGS, THEY SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL. (CBC 1023.2 & FIGURE 11B-7B(c))
12. ABRUPT CHANGES IN LEVEL 4" OR MORE EXCEPT BETWEEN A WALK OR A SIDEWALK AND ADJACENT STREETS OR DRIVEWAYS SHALL BE IDENTIFIED BY A 6" HIGH CURB ABOVE WALK SURFACE. (CBC 1133B.8.1)
13. PROVIDE A 36" HIGH VISIBLE WARNING MATERIAL AT THE BOUNDARY BETWEEN WALKWAYS AND VEHICULAR WAYS PER CBC 1120A.6.3 AND CBC 1120A.6.5.
14. OBJECTS PROJECTING FROM WALLS WITH THEIR LEADING EDGES BETWEEN 27" AND 80" ABOVE THE FINISHED FLOOR SHALL NOT PROTRUDE MORE THAN 4" INTO WALKS, HALLS, CORRIDORS, PASSAGeways OR AISLES. OBJECTS WITH THEIR LEADING EDGES AT OR BELOW 27" ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT. FREESTANDING OBJECTS MOUNTED ON POSTS OR PYLONS MAY OVERHANG 12" MAXIMUM FROM 27" TO 80" ABOVE THE FINISHED FLOOR. (CBC 1133B.8.6.1)
15. ALL PATHS OF TRAVEL WILL HAVE A MAXIMUM 5% SLOPE AND 2% CROSS SLOPE, UNLESS IDENTIFIED AS A PEDESTRIAN RAMP.
16. ALL DOORS, FIXTURES AND CONTROLS SHALL BE ON A MINIMUM CLEAR WIDTH OF 36" ACCESSIBLE ROUTE, EXCEPT AT DOORS. IF A PERSON IN A WHEELCHAIR MUST MAKE A TURN AROUND AN OBSTRUCTION, THE MINIMUM CLEAR WIDTH OF THE ACCESSIBLE ROUTE SHALL BE AS SHOWN IN FIGURE 11B-5E. (CBC 1115B.7.2)
17. A MINIMUM OF 80 INCHES HEADROOM IS TO BE PROVIDED FROM ALL WALKWAY SURFACES TO OBSTRUCTIONS, PER CBC 1120A.7.2.

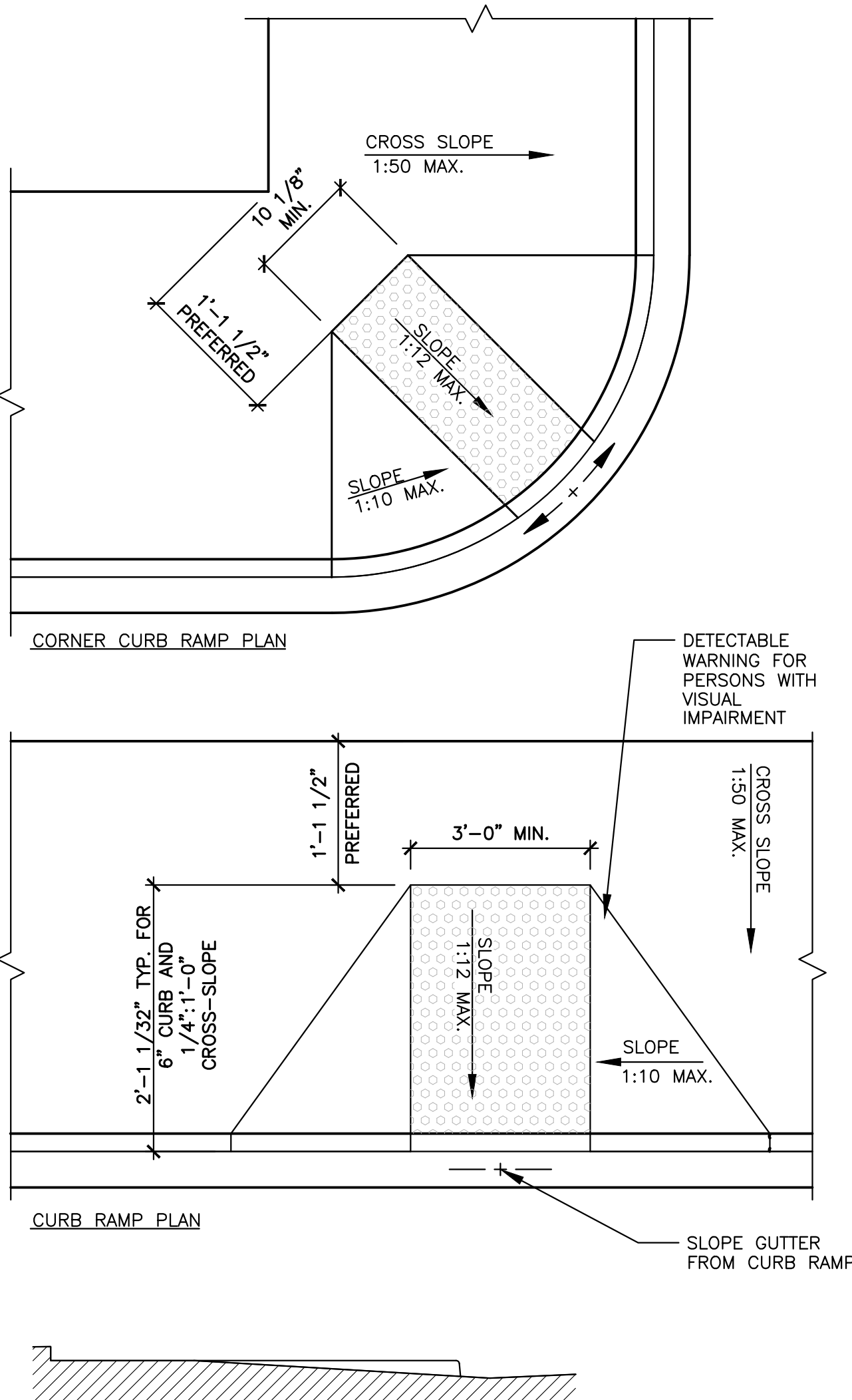
1. ACCESSIBLE PARKING SPACES SERVING A PARTICULAR BUILDING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE ENTRANCE. (CBC 1129B.1)
2. SINGLE ACCESSIBLE PARKING SPACES SHALL BE OUTLINED FOR A 9' PARKING AREA AND A LOADING AND UNLOADING ACCESS AISLE ON THE PASSENGER SIDE OF THE VEHICLE WHEN THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE. THE ACCESS AISLE SHALL BE 5' FOR THE TYPICAL STALL, AND 8' FOR THE VAN ACCESSIBLE STALL. (CBC 1129B.4.1 & 1129B.4.2 & FIG. 11B-1B A-C)
3. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE GROUND WITHIN EACH LOADING AND UNLOADING AISLE. THIS NOTICE SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 12" HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. (CBC 1129B.4.1 & 1129B.4.2)
4. THE MINIMUM LENGTH OF AN ACCESSIBLE PARKING SPACE SHALL BE 18'. (CBC 1129B.4.1 & FIG. 11B-18A-C)
5. SURFACE SLOPES OF ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE THE MINIMUM POSSIBLE AND SHALL NOT EXCEED 1 UNIT VERTICAL TO 50 UNITS HORIZONTAL (2% SLOPE) IN ANY DIRECTION. (CBC 1129B.4.3 & 1129B.4.4)
6. IN EACH PARKING AREA, A BUMPER OR CURB SHALL BE PROVIDED AND LOCATED TO PREVENT ENCRoACHMENT OF CARS OVER THE REQUIRED WIDTH OF WALKWAYS. (CBC 1129B.4.3)
7. ACCESSIBLE PARKING SPACES SHALL BE SO LOCATED THAT PERSONS WITH DISABILITIES ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKED CARS OTHER THAN THEIR OWN. (CBC 1129B.4.3)
8. EACH PARKING SPACE RESERVED FOR PERSON WITH DISABILITIES SHALL HAVE A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH SPACE, CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON DARK BLUE BACKGROUND. THE SIGN SHALL BE 70 SQ. INCHES MINIMUM IN AREA AND, WHEN IN A PATH OF TRAVEL POSTED A MINIMUM OF 80" HEIGHT. (CBC 1129B.5)
9. SIGNS TO IDENTIFY ACCESSIBLE PARKING SPACES MAY BE CENTERED ON A WALL AT THE INTERIOR END OF THE PARKING SPACE AT A MINIMUM HEIGHT OF 36" FROM THE PARKING SPACE FINISHED GRADE, GROUND OR SIDEWALK. (CBC 1129B.5)
10. VAN ACCESSIBLE PARKING SPACES SHALL HAVE AN ADDITIONAL SIGN STATING "VAN-ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY. MAINTAIN 80" HEIGHT. (CBC 1129B.5)

11. POST A 17" X 22" MIN. SIGN WITH MIN. 1" HIGH LETTERING AT EACH OFF-STREET PARKING FACILITY ENTRANCE, OR ADJACENT TO AND VISIBLE FROM EACH SPACE STATING "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES MAY BE TOWED AWAY AT OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT \_\_\_\_\_ OR BY TELEPHONING \_\_\_\_\_." (NOTE: PERMANENTLY FILL IN THE BLANK SPACES WITH THE APPROPRIATE INFORMATION).
12. IDENTIFY EACH ACCESSIBLE PARKING SPACE SURFACE BY PAINTING THE SPACE IN BLUE AND OUTLINING IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR WITH OCCUPANT OR, BY OUTLINING THE SPACE IN BLUE AND OUTLINING A 36" X 36" PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON A BLUE BACKGROUND LOCATED SO TO BE VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE. (CDB 118A.51 & 2)
13. ONE IN EVERY EIGHT ACCESSIBLE PARKING SPACES, BUT NOT LESS THAN ONE, SHALL BE SERVED BY AN ACCESS AISLE 8' WIDE MINIMUM AND SHALL BE DESIGNATED VEHICLE ACCESSIBLE. ALL SUCH SPACES MAY BE GROUPED ON ONE LEVEL OF A PARKING STRUCTURE. (CDB 1129.4.2).



NOTE: CURB RAMPS SHALL BE CONSTRUCTED AT EACH CORNER OF STREET INTERSECTIONS AND WHERE A PEDESTRIAN WAY CROSSES A CURB. THE PREFERRED AND RECOMMENDED LOCATION FOR CURB RAMPS IS IN THE CENTER OF THE CROSSWALK OF EACH CORNER. WHERE IT IS NECESSARY TO LOCATE A CURB RAMP IN THE CENTER OF THE CURB RETURN AND THE STREET SURFACES ARE MARKED TO IDENTIFY PEDESTRIAN CROSSWALKS, THE LOWER END OF THE CURB RAMP SHALL TERMINATE WITHIN SUCH CROSSWALK AREAS. (CBC 1127B.5.1 & FIGURE 11B-20C CASE E)

1. CURB RAMPS SHALL BE A MINIMUM OF 4' IN WIDTH AND SHALL LIE, GENERALLY, IN A SINGLE SLOPED PLANE, WITH A MINIMUM OF SURFACE WARPING AND CROSS SLOPE. (CBC 1127B.5.2)
2. THE SLOPE OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL. (CBC 1127B.5.3)
3. MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMPS, OR ACCESSIBLE ROAD, SHALL NOT EXCEED 1:20 WITHIN 4' OF THE TOP AND BOTTOM OF EACH CURB RAMP. THE SLOPE OF THE FANNED OR FLARED SIDES OF THE CURB RAMPS SHALL NOT EXCEED 1 UNIT VERTICAL TO 10 UNITS HORIZONTAL (10% MAXIMUM SLOPE). (CBC 1127B.5.3)
4. A LEVEL LANDING 4' DEEP SHALL BE PROVIDED AT THE UPPER END OF EACH CURB RAMP OVER ITS FULL WIDTH TO PERMIT SAFE EGRESS FROM THE RAMP SURFACE, OR THE SLOPE OF THE FANNED OR FLARED SIDES OF THE CURB RAMP SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL. (CBC 1127B.5.4)
5. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES, EXCEPT THAT THE LOWER END OF EACH CURB RAMP SHALL HAVE A 1/2" LIP BEVELED AT 45 DEGREES. (CBC 1127B.5.3, AND 1127B.5.5)
6. IF DIAGONAL (CORNER TYPE) CURB RAMPS HAVE RETURNED OR OTHER WELL-DEFINED EDGES, THESE EDGES SHALL BE PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF DIAGONAL CURB RAMPS SHALL HAVE 48" MINIMUM CLEAR SPACE (FIGURES 11B-22(C) & 11B-22(d)). IF DIAGONAL CURB RAMPS ARE PROVIDED AT MARKED CROSSINGS, THE 48" CLEAR SPACE SHALL BE WITHIN THE MARKINGS (FIGURES 11B-20, CASES C AND D). IF DIAGONAL CURB RAMPS HAVE FLARED SIDES, THEY SHALL ALSO HAVE AT LEAST A 24" LONG SEGMENT OF STRAIGHT CURB LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING (FIGURE 11B-22). (CBC 1127B.5.10)
7. ALL CURB RAMPS SHALL HAVE A GROOVED BORDER 12" WIDE AT THE LEVEL OF THE SURFACE OF THE SIDEWALK ALONG THE TOP AND EACH SIDE. (CBC 1127B.5.7)
8. A CURB RAMP SHALL HAVE A DETECTABLE WARNING THAT EXTENDS THE FULL WIDTH AND DEPTH OF THE CURB RAMP INSIDE THE GROOVED BORDER WHEN THE RAMP SLOPE IS LESS THAN 1 VERTICAL TO 15 HORIZONTAL.
9. CURB RAMPS SURFACES SHALL BE MAINTAINED TO PREVENT THEIR OBSTRUCTION BY PARKED CARS (CBC 1127B.5.9) SURFACES SHALL BE STABLE, FIRM AND SLIP-RESISTANT AND SHALL BE OF A CONTRASTING FINISH FROM THE ADJACENT SIDEWALK. (CBC 1127B.5.6)
10. BUILT-UP CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES. (ADAAG 4.7.6)

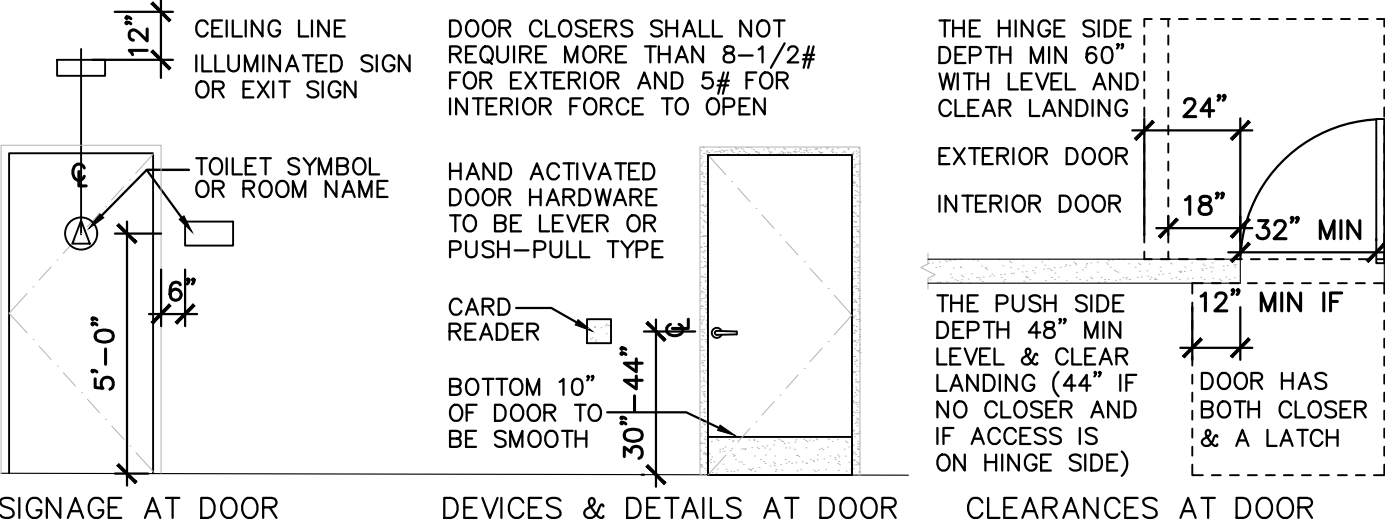


1. STAIRWAYS SHALL HAVE HANDRAILS ON ONE SIDE, AND EVERY STAIRWAY REQUIRED TO BE MORE THAN 88" IN WIDTH SHALL BE PROVIDED WITH NOT LESS THAN ONE INTERMEDIATE HANDRAIL FOR EACH 88" OF REQUIRED WIDTH. INTERMEDIATE HANDRAILS SHALL BE SPACED APPROXIMATELY EQUALLY ACROSS THE ENTIRE WIDTH OF THE STAIRWAY. (CBC 1003.3.6.1a)
2. HANDRAILS SHALL BE 34" TO 38" ABOVE THE NOSING OF THE TREADS. (CBC 1133B.4.2.1 AND FIGURE 11B-35)
3. HANDRAILS SHALL EXTEND A MINIMUM OF 12" BEYOND THE TOP NOSING AND 12" PLUS THE TREAD WIDTH BEYOND THE BOTTOM NOSING. (CBC 1133B.4.2.2 AND FIGURE 11B-3 AND 11B-37)
4. WHERE THE EXTENSION OF THE HANDRAIL IN THE DIRECTION OF THE STAIR RUN WOULD CREATE A HAZARD, THE TERMINATION OF THE EXTENSION SHALL BE MADE EITHER ROUNDED OR RETURNED SMOOTHLY TO THE FLOOR, WALL, OR POST. WHERE THE STAIRS ARE CONTINUOUS FROM LANDING TO LANDING, THE INNER RAIL SHALL BE CONTINUOUS AND NEED NOT EXTEND OUT INTO THE LANDING. (CBC 1133B.4.2.4 & FIGURE 11B-37)
5. ENDS SHALL BE RETURNED OR TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. (CBC 1133B.4.2.3)
6. HANDRAILS PROJECTING FROM A WALL SHALL HAVE A SPACE OF 1-1/2" BETWEEN THE WALL AND THE HANDRAIL. HANDRAILS MAY BE LOCATED IN A RECESS IF THE RECESS IS A MAXIMUM OF 3" DEEP AND EXTENDS AT LEAST 18" ABOVE THE TIP OF THE RAIL. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS. (CBC 1133B.4.2.5 & FIGURE 11B-36)
7. THE HANDGRIP PORTION OF THE HANDRAILS SHALL BE NOT LESS THAN 1-1/4" NOR MORE THAN 1-1/2" IN CROSS-SECTIONAL NOMINAL DIMENSION OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. (CBC 1133B.4.2.6.1)
8. THE UPPER APPROACH AND THE LOWER TREAD OF EACH STAIR SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2" AND NO MORE THAN 4" WIDE AND PLACED PARALLEL TO AND NOT MORE THAN 1" FROM THE NOSE OF THE STEP OR LANDING TO ALERT THE VISUALLY IMPAIRED. THE STRIP SHALL BE OF A MATERIAL THAT IS AT LEAST AS SLIP-RESISTANT AS THE OTHER TREADS OF THE STAIR. A PAINTED STRIP SHALL BE ACCEPTABLE. (CBC 1133B.4.4 AND FIGURE 11B-35)
9. WHERE STAIRWAYS OCCUR OUTSIDE A BUILDING, THE UPPER APPROACH AND ALL TREADS SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2" AND NO MORE THAN 4" WIDE AND PLACED PARALLEL TO AND NOT MORE THAN 1" FROM THE NOS OF THE STEP OR LANDING TO ALERT THE VISUALLY IMPAIRED. THE STRIP SHALL BE OF A MATERIAL THAT IS AT LEAST AS SLIP-RESISTANT AS THE OTHER TREADS OF THE STAIR. A PAINTED STRIP SHALL BE ACCEPTABLE. (CBC 1133B.4.4 AND FIGURE 11B-35)
10. ALL SURFACES SHALL BE SLIP-RESISTANT. WEATHER EXPOSED STAIRS AND THEIR APPROACHES SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES. TREADS SHALL HAVE SMOOTH, ROUNDED, OR CHAMFERED, EXPOSED EDGES, AND NO ABRUPT EDGES AT THE NOSING (FRONT EDGE). (CBC 1133B.4.5.1)
11. THE NOSING SHALL NOT PROJECT MORE THAN 1-1/2" PAST THE FACE OF THE RISER BELOW. (CBC 1133B.4.5.2 & FIGURE 11B-35)
12. OPEN RISERS ARE NOT PERMITTED. (CBC 1133B.4.5.3 & FIGURE 11B-35)
13. APPROVED STAIRWAY IDENTIFICATION SIGNS SHALL BE LOCATED AT EACH FLOOR LEVEL. STAIRWAYS LOCATED IN BUILDINGS WITH TWO OR MORE STORES IN HEIGHT, THE SIGN SHALL IDENTIFY THE STAIRWAY, INDICATE WHETHER THERE IS ROOF ACCESS, THE FLOOR LEVEL, AND THE UPPER AND LOWER TERMINUS OF THE STAIRWAY. THE INFORMATION SHALL BE PRESENTED USING RAISED ARABIC NUMERALS AND RAISED BRAILLE SYMBOLS WHICH CONFORM TO CEC 522(B.3). THE SIGN SHALL BE LOCATED 60" ABOVE THE STAIRWAY LANDING OR ELEVATION OR BE READILY VISIBLE WHEN LOOKING DOWN FROM THE OPEN OR CLOSED POSITION. THE SIGN SHALL BE LOCATED 18" ABOVE THE FLOOR LANDING TO CENTERLINE IMMEDIATELY ADJACENT TO THE DOOR ON THE STRIKE SIDE. SIGNS SHALL COMPLY WITH REQUIREMENTS OF CBC STANDARDS NO. 33-2.

NOTE: THIS SHEET IS INFORMATIONAL IN NATURE, AND NOT ALL DETAILS AND NOTES PROVIDED HERE ARE NECESSARILY USED IN THIS PROJECT.

NOTE: FOR THE PURPOSE OF TITLE 24, THE USE OF THE TERM EXIT DOOR IN CBC 1004 APPLIES TO ALL DOORS THAT PROVIDE ACCESS, THAT IS, ENTRANCES, PASSAGE DOORS, ETC.

- ALL ENTRANCES AND ALL EXTERIOR GROUND FLOOR EXIT DOORS TO BUILDINGS AND FACILITIES SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES. (CBC 11338.1.1.1.1)
2. REVOLVING DOORS SHALL NOT BE USED AS A REQUIRED ENTRANCE FOR PERSONS WITH DISABILITIES. (CBC 11338.2.3.3)
3. DURABLE, SLIDING DOORS OR THE RESTRICTED USE OF A BUILDING OR FACILITY, THE ENTRANCES USED FOR PRIMARY ACCESS SHALL BE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES. (CBC 11338.1.1.2)
4. ALL GATES, INCLUDING TICKET GATES, SHALL MEET ALL APPLICABLE ACCESSIBILITY SPECIFICATIONS OF DOORS. (CBC 11338.1.1.1.1.4)
5. LATCHING AND LOCKING DOORS THAT ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PULLING BARS, PUSH OR PULL ACTIVATION BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE USER TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION. (CBC 11338.2.5.1)
6. DOORS TO INDIVIDUAL HOTEL OR MOTEL UNITS SHALL OPERATE SIMILARLY TO ABOVE, EXCEPT THAT WHEN A BOLT AND UNLATCHING OPERATION IS KEY OPERATED FROM CORRIDOR OR EXTERIOR SIDE OF UNIT DOOR, LARGE BOW KEYS 2" (FULL BOW) OR 1-1/4" (HALF BOW) SHALL BE PROVIDED IN LIEU OF LEVER TYPE HARDWARE ON THE CORRIDOR SIDE. SEPARATE DEADLOCK ACTIVATION ON ROOM SIDE OF CORRIDOR DOORS IN HOTELS OR MOTELS SHALL HAVE LEVER HANDLE OR LARGE THUMB TURN ON AN EASILY REACHED LOCATION. (CBC 11338.2.5.1)
7. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE THE FLOOR. (CBC 11338.2.5.1)
8. THE WIDTH AND HEIGHT OF DOORWAYS SHALL COMPLY WITH CBC 1003.3.1.3g. EVERY REQUIRED EXIT DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3' IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. WHEN INSTALLED IN EXIT DOORWAYS, EXIT DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE EXIT IS NOT LESS THAN 72". (CBC 11338.2.2, FIGURE 11B-33)
9. FOR HINGED DOORS, THE OPENING SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. (CBC 11338.2.3.1 & 11B-33 (a))
10. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. (CBC 11338.2.3.1)
11. WHEN AN AUTOMATIC DOOR OPERATOR IS UTILIZED TO OPERATE A PAIR OF DOORS, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. (CBC 11338.2.3.1)
12. MINIMUM MANEUVERING CLEARANCES AT DOORS SHALL BE AS SHOWN IN FIGURES 11B-26 A & B. THE FLOOR OR AROUND AREA WITHIN THE REQUIRED CLEARANCES SHALL BE LEVEL AND CLEAR. (CBC 11338.2.4.2)
13. THERE SHALL BE A LEVEL AND CLEAR FLOOR OF LANDING ON EACH SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48" AS MEASURED AT A RIGHT ANGLE TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION. (CBC 11338.2.4.2, & FIGURES 11B-26 A & B)
14. WHERE A DOOR OPENS INTO A PAIR OF A SMOKE-PROOF ENCLOSURE, THE LANDING NEED NOT HAVE A LENGTH OF 60". (CBC 11338.1.1.1.1 EXCEPTION 1)
15. THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND A MINIMUM OF 24" PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND A MINIMUM OF 18" PAST THE STRIKE EDGE FOR INTERIOR DOORS. ADDITIONAL 12" IS REQUIRED AT THE PUSH SIDE, IF DOOR IS EQUIPPED WITH BOTH LATCH AND CLOSER. (CBC 11338.2.4.3 & FIGURE 11B-26 A & B)
16. THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. (CBC 11338.2.4.1 & FIGURE 11B-32)
17. IN EXISTING STAIRWAYS WITH THESE DESIGNS NO LANDING, DOORS SHALL BE CONSPICUOUSLY MARKED WITH A SIGN STATING "DANGEROUS STAIRWAY, NO LANDING" OR EQUIVALENT WORDING AND THERE SHALL BE ADEQUATE ILLUMINATION. (CBC 1003.3.1.6.2a EXCEPTION 5)
18. THE SPACE BETWEEN TWO CONSECUTIVE DOOR OPENINGS IN A VESTIBULE, SERVING OTHER THAN A REQUIRED EXIT STAIRWAY, SHALL PROVIDE A MINIMUM OF 48" OF CLEAR SPACE FROM ANY DOOR OPENING INTO SUCH VESTIBULE WHEN THE DOOR IS POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. DOORS IN A SERIES SHALL SWING EITHER IN THE SAME DIRECTION OR AWAY FROM THE SPACE BETWEEN THE DOORS. SEE FIGURES 11B-33 & 11B-31 FOR DESIGN ALTERNATIVES. (CBC 11338.2.4.4)
19. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. (CBC 11338.2.6 & FIGURE 11B-29)
20. RECESSED DOORMATS SHALL BE ADEQUATELY ANCHORED TO PREVENT INTERFERENCE WITH WHEELCHAIR TRAFFIC. (CBC 11338.1.1.3.3 & FIGURE 11B-35)
21. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8-1/2 POUNDS FOR EXTERIOR DOORS, AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS.
22. WHERE TURNSTILES AND CROWD CONTROL BARRIERS ARE UTILIZED IN A FACILITY FOR THE PURPOSE OF PROVIDING FULLY CONTROLLED ACCESS, SUCH AS WHERE AN ADMISSION POINT IS CHARGED, A DOOR SHALL BE AUTOMATICALLY CLOSING IN ACCORDANCE WITH THE BARRIERS SHALL BE PROVIDED ADJACENT TO EACH TURNSTILE EXIT OR ENTRANCE. THIS ALTERNATE PASSAGEWAY SHALL BE MAINTAINED IN UNLOCKED CONDITION DURING BUSINESS HOURS AND THE DOOR OR GATE SHALL NOT ACTIVATE A PUBLICLY AUDIBLE ALARM SYSTEM. THE DOOR OR GATE MAY BE LATCHED WHERE ALL GATES ARE RESTRICTED AND CONTROLLED BY AN ATTENDANT AND A SIGN IS POSTED STATING "ALL GATES ARE RESTRICTED AND CONTROLLED BY AN ATTENDANT". WHERE POSTS, RAILS, OR OTHER PEDESTRIAN CONTROL ARE UTILIZED TO CREATE CROWD AISLES OR LANES, A MINIMUM OF ONE LANE SHALL BE ACCESSIBLE AND SHALL PROVIDE A MINIMUM AISLE WIDTH NO LESS THAN INDICATED IN FIGURES 11B-5E (a) AND (b) WITH 32" OF CLEAR OPENING PER 11338.2.3.4.
23. ALL EXIT-ACCESS DOORWAYS AND DOORWAYS FROM UNOCCUPIED AREAS TO A CORRIDOR SHALL BE PROTECTED BY TIGHT-FITTING SMOKE AND DRAFT CONTROL ASSEMBLIES HAVING A FIRE PROTECTION RATING OF NOT LESS THAN 20 MINUTES. DOORS SHALL BE PROTECTED BY SELF-CLOSING DOOR CLOSERS. DOOR CLOSING IN ACCORDANCE WITH CBC 713.2, DOOR ASSEMBLIES SHALL BE PROVIDED WITH A GASKET INSTALLED SO AS TO PROVIDE A SEAL WHERE THE DOOR MEETS THE STOP ON BOTH SIDES AND ACROSS THE TOP. (CBC 1004.3.4.3.2.1)



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**PARKING LOT #1  
SWING SPA**

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REV--00	07/30/22	KMW	PRELIMINARY CD'S
REV--01	10/17/22	REBL	80% CD's
REV--02	11/15/22	REBL	90% CD's
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REV--04	02/23/23	REBL	PROJECTORS & SCREENS

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# AC1.0

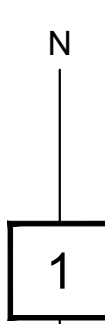
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PROJECT # 1902.13  
PLOT SCALE 1:1 (24x36 "D" SIZE)

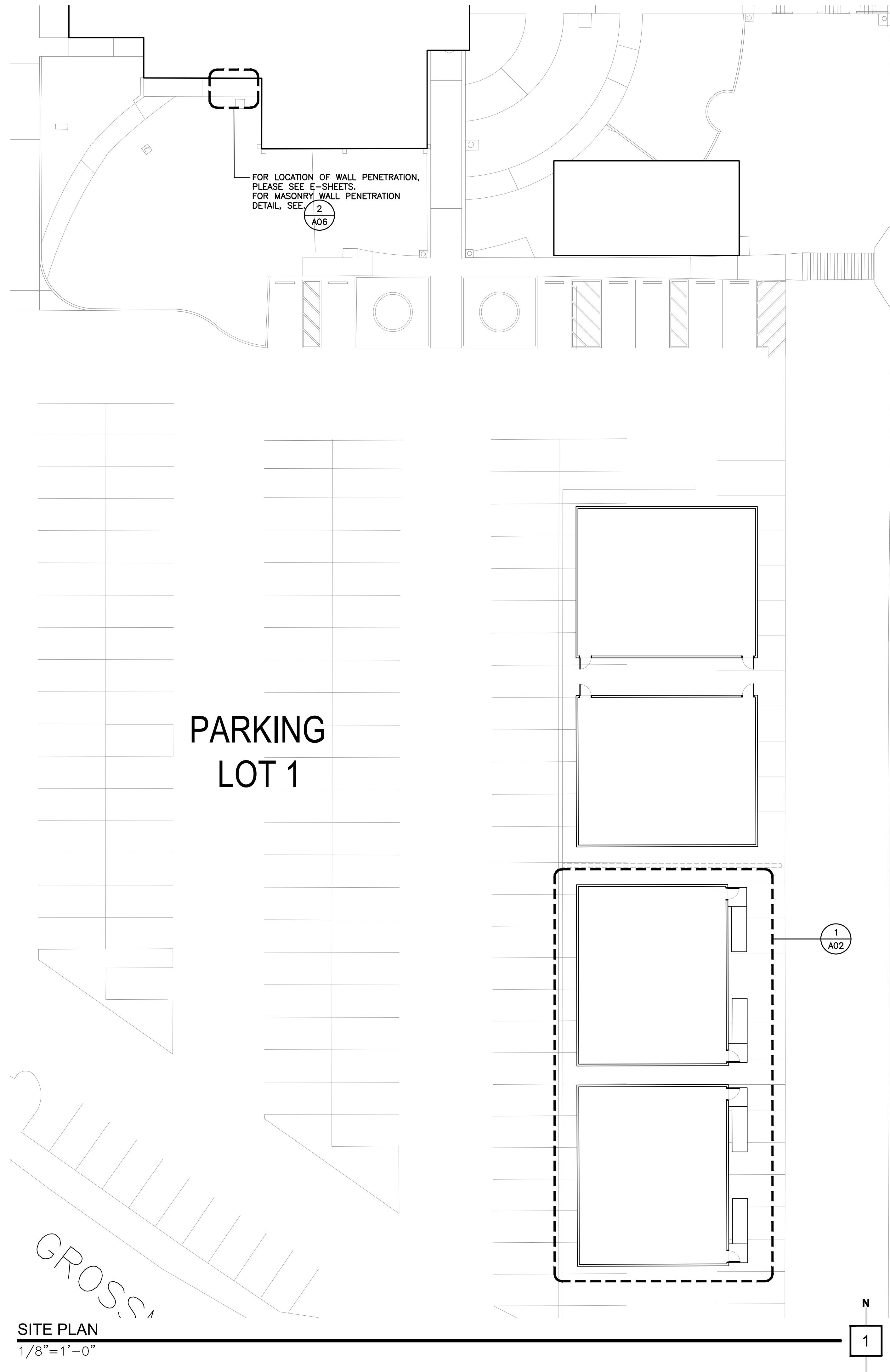
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## GENERAL NOTES & LEGEND

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**P R O J E C T N A M E**



GROSSMONT COLLEGE

**PARKING LOT #1**

**SWING SPACE**  
8800 GROSSMONT COLLEGE DRIVE, EL CAJON, CA 92020

## ISSUES REVISIONS

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REV-03	01/20/23	REBL	100% CD'S
REV-04	02/23/23	REBL	PROJECTORS & SCREENS

## SHEET INFORMATION

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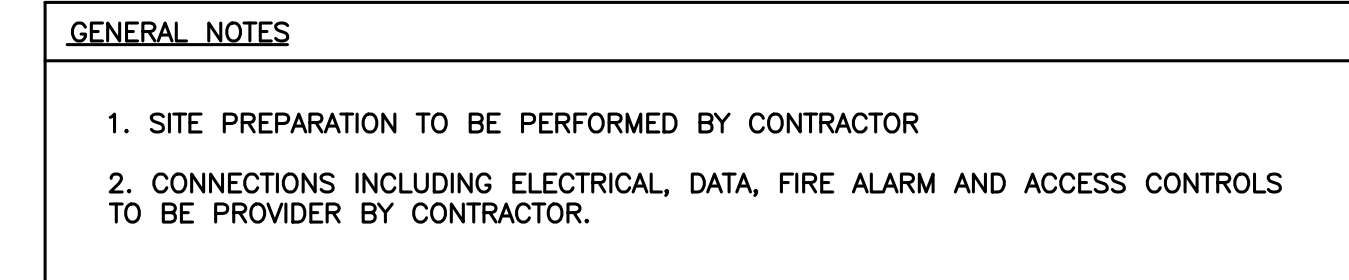
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A01

## SITE PLAN

PROJECT # 1902.13  
PLOT SCALE 1:1 (24x36 "D" SIZE)

**PLOT SCALE 1:1 (24x36 "D" SIZE)**



## NTS

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## SHEET INFORMATION

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# A02

## AREA PLAN

PROJECT # 1902.13  
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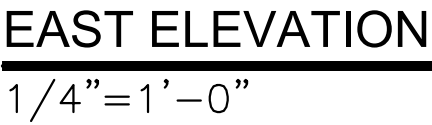
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**SWING SPACE**  
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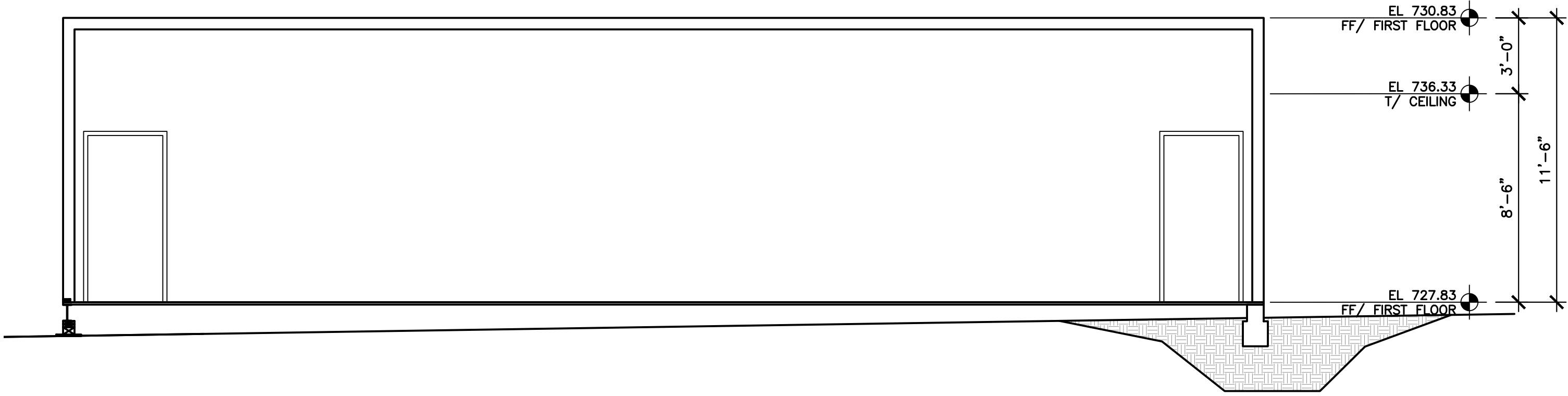












LONGITUDINAL SECTION  
1/4"=1'-0"

1

A R C H I T E C T



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P R O J E C T   N A M E

GROSSMONT COLLEGE

PARKING LOT #1  
SWING SPACE  
8800 GROSSMONT COLLEGE DRIVE, EL CAJON, CA 92020

I S S U E S   R E V I S I O N S

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S H E E T   I N F O R M A T I O N

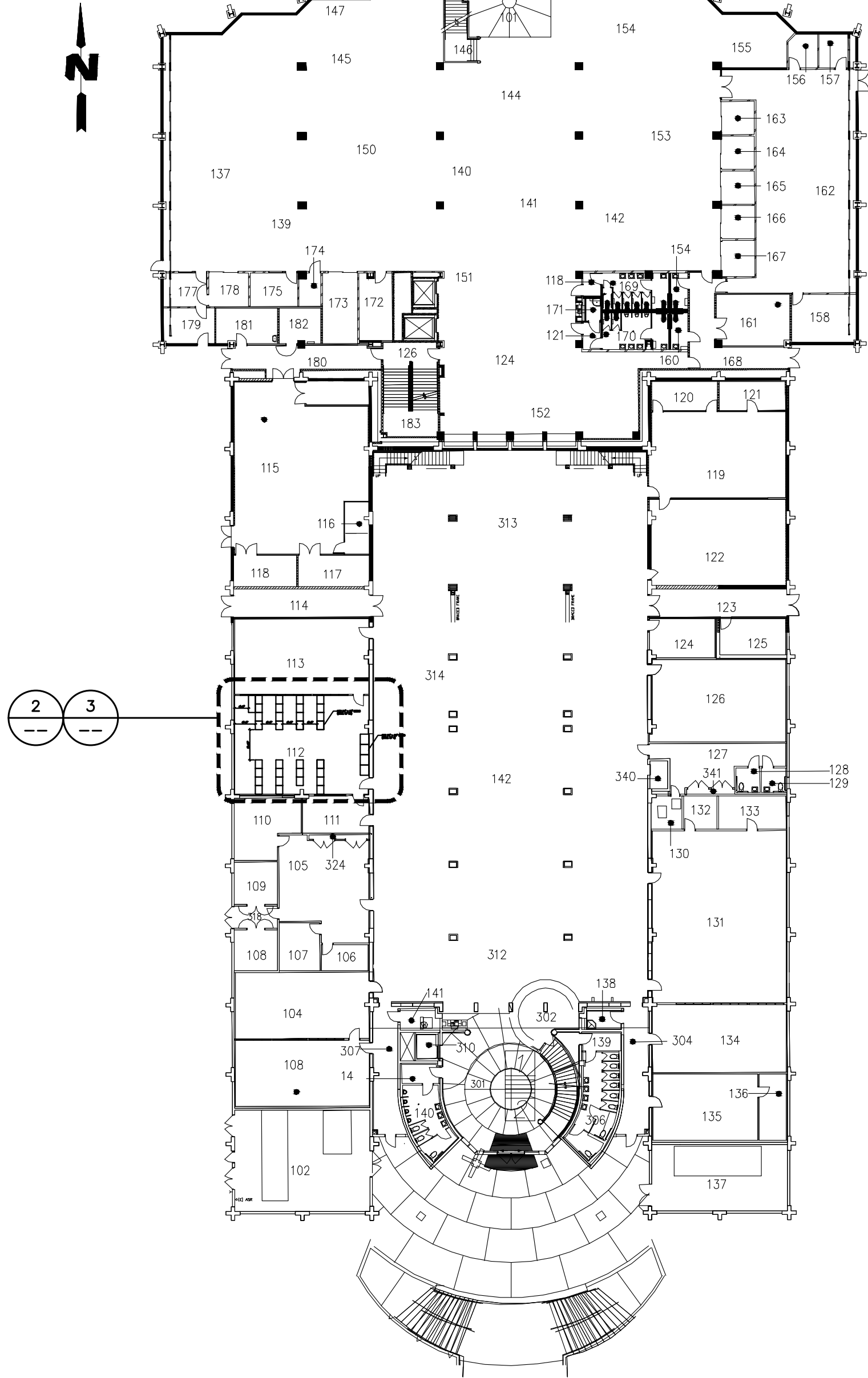
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A05  
SECTION

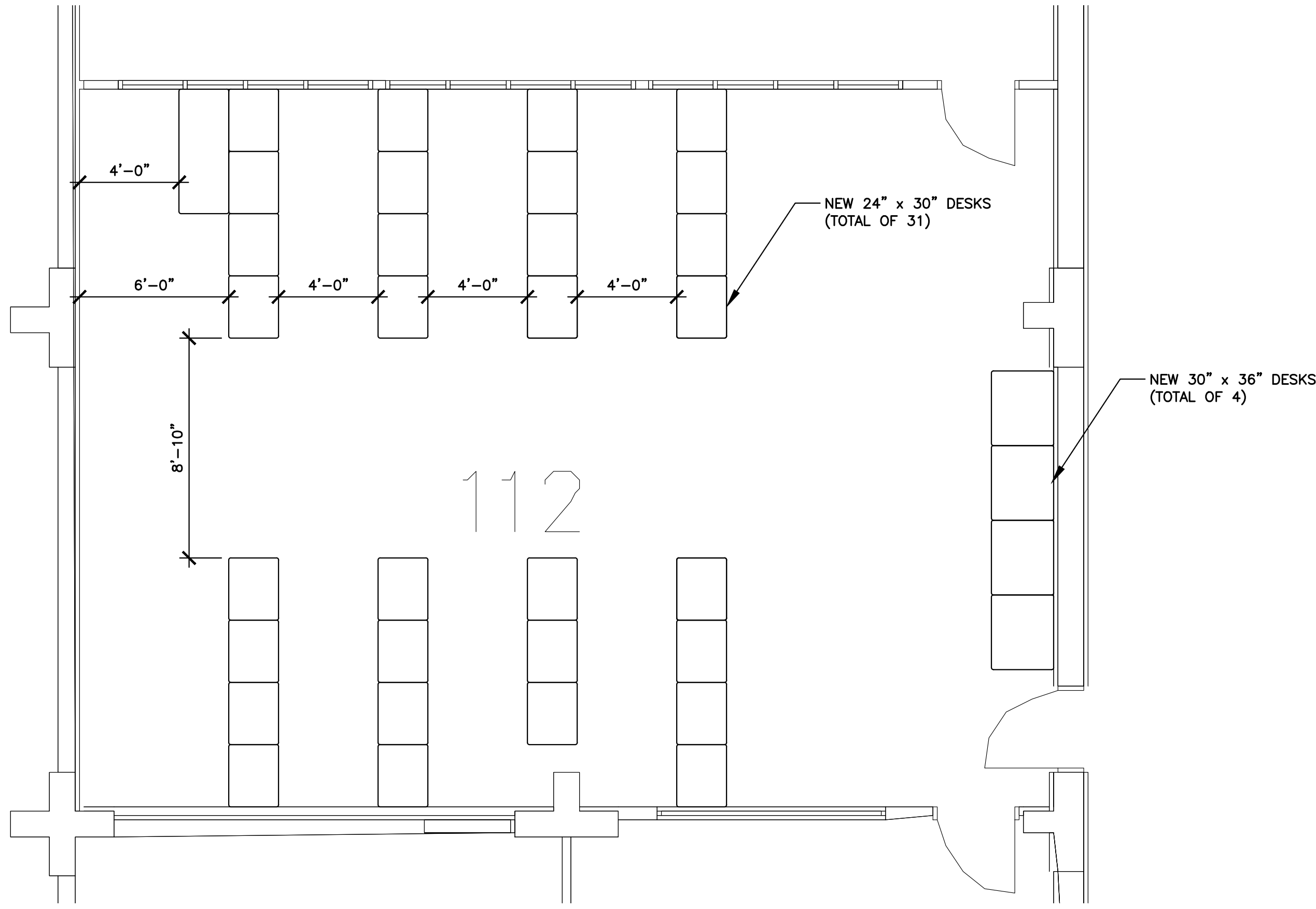
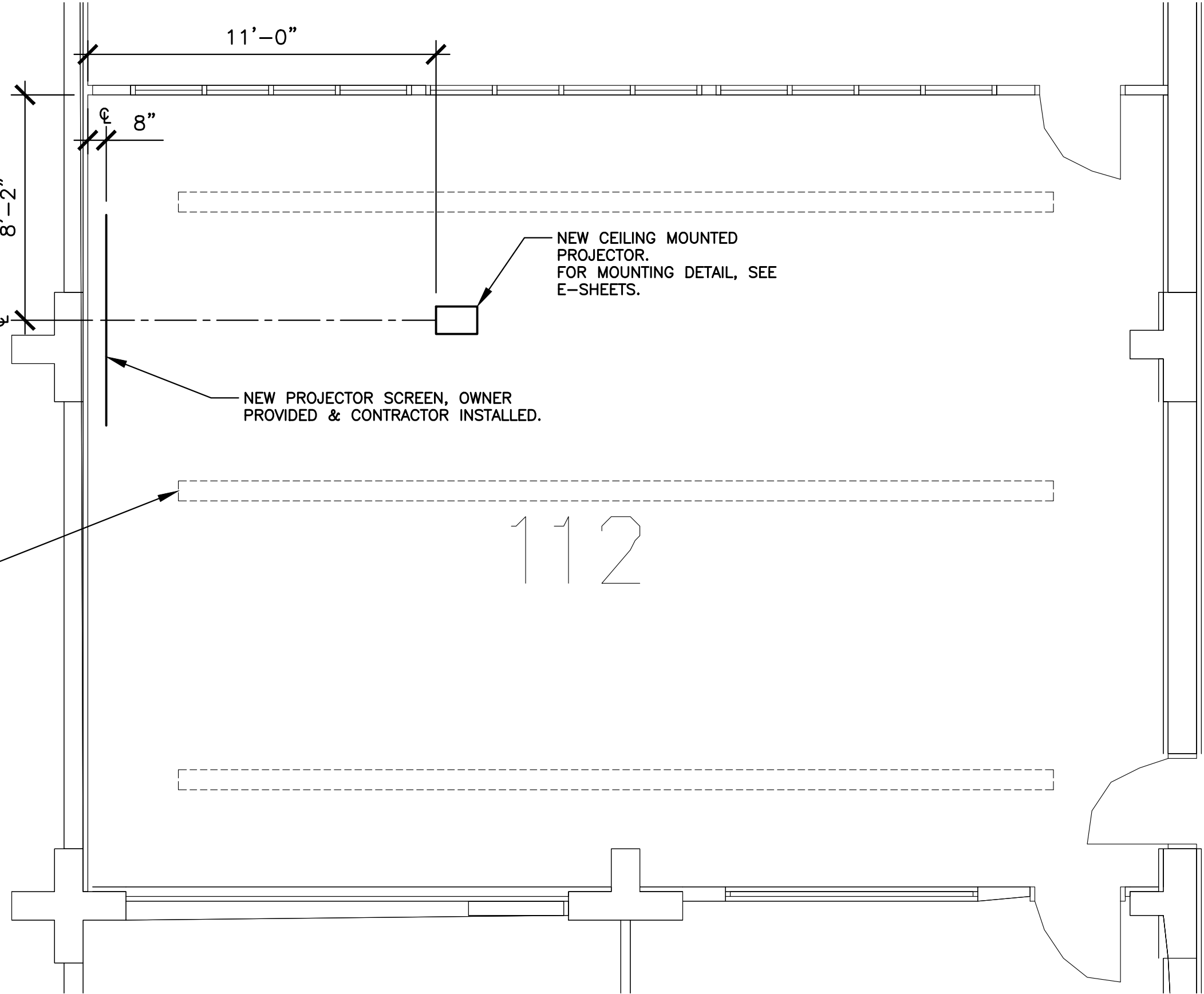
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PLOT SCALE 1/4"=1'-0" (24x36" D SIZE)

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EXISTING LIGHTING TO  
REMAIN UNCHANGED  
(TOTAL OF 3)



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ISSUES REVISIONS

GROSSMONT COLLEGE

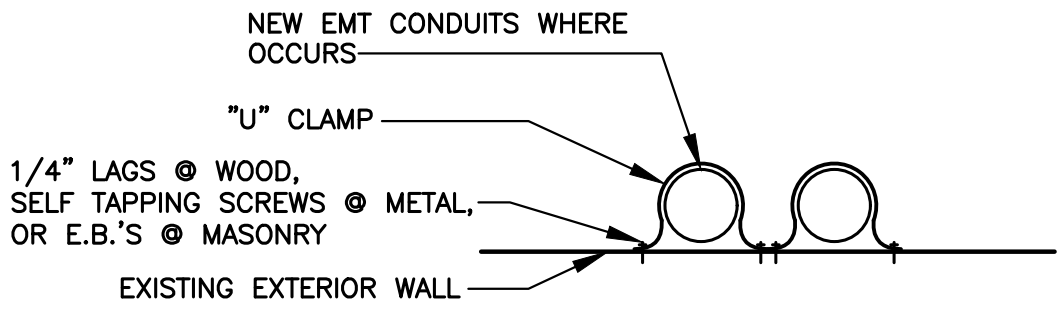
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PROJECT NAME

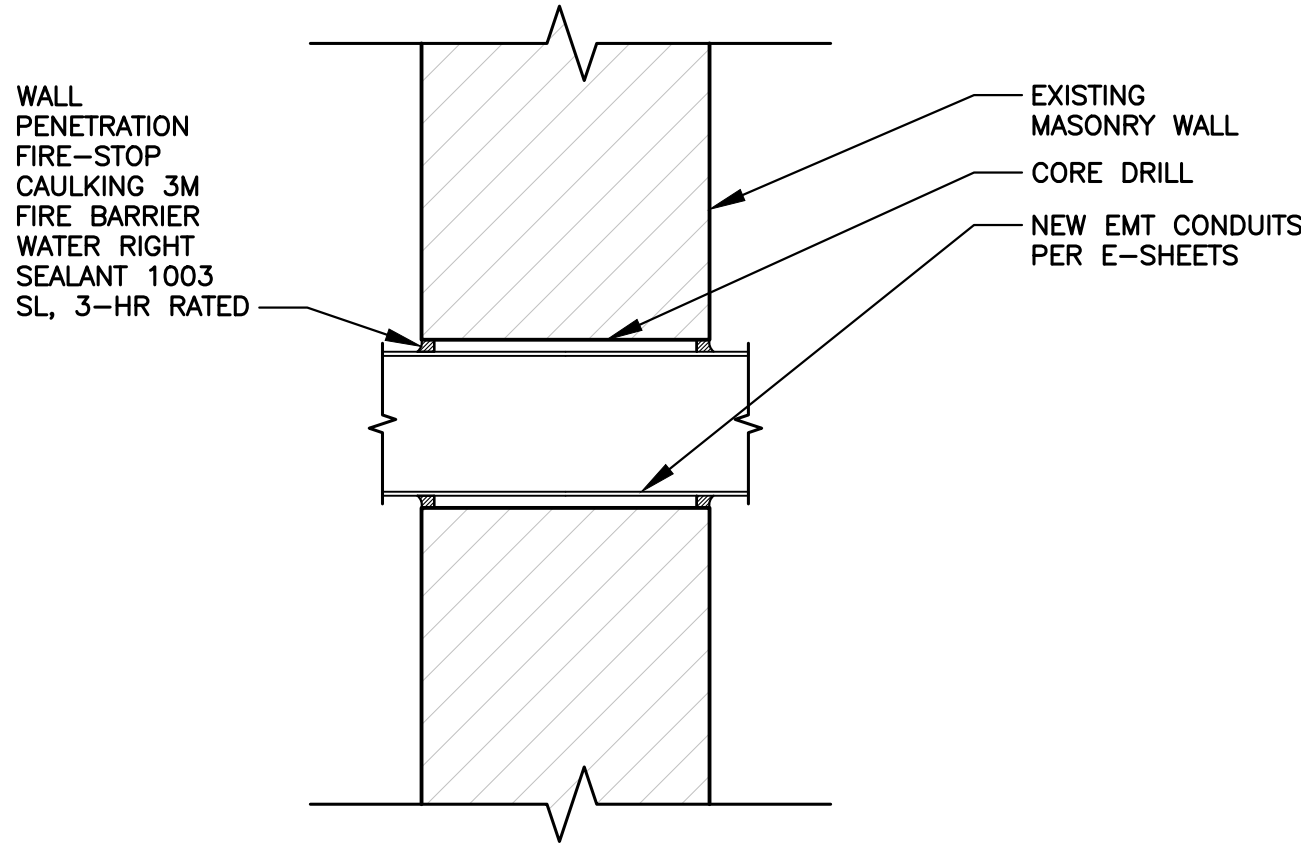


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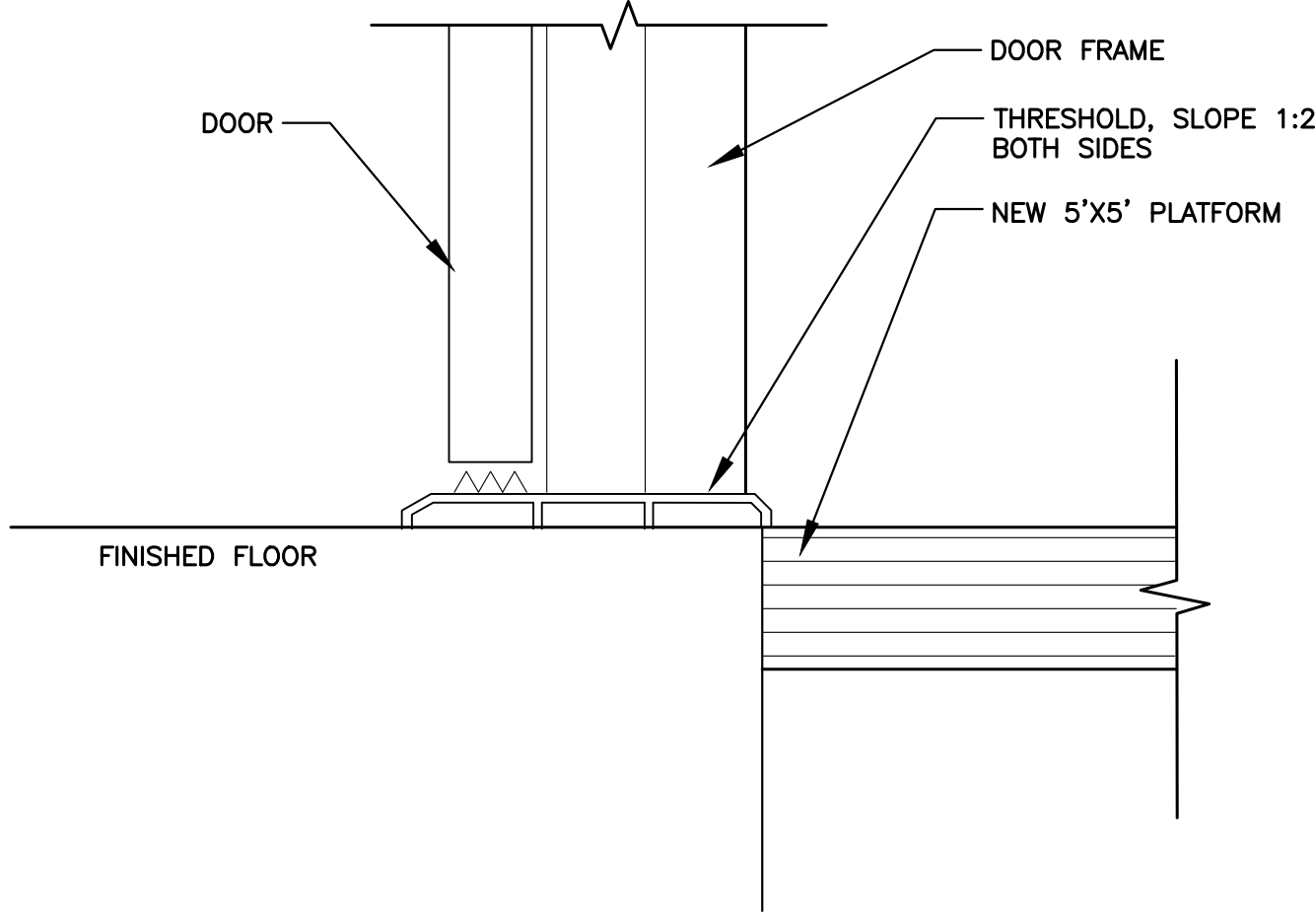
ARCHITECT



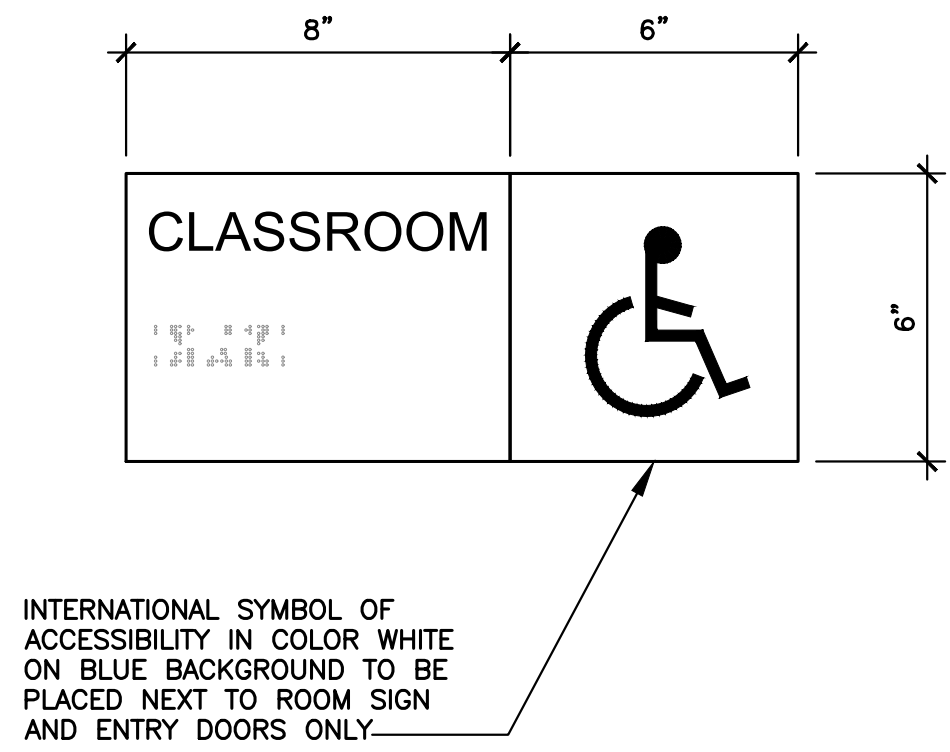
CONDUIT @ EXTERIOR WALL  
1-1/2"=1'-0"



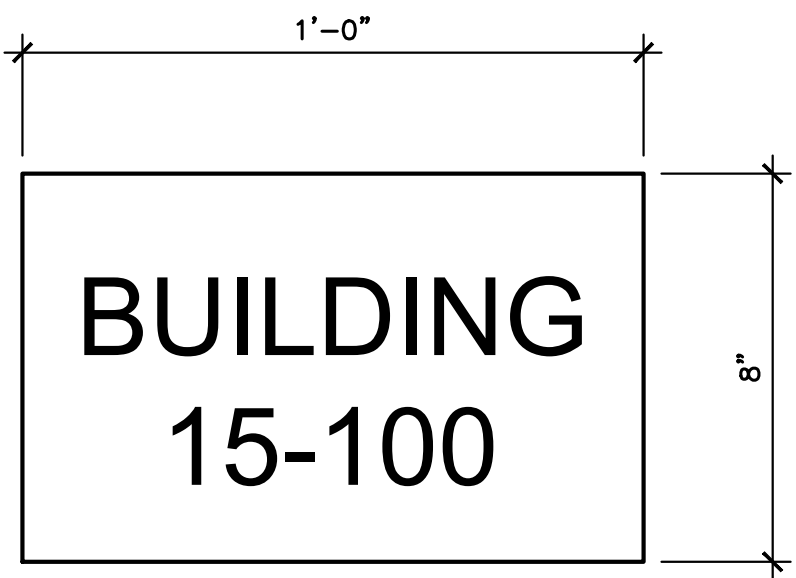
TYP. MASONRY WALL PENETRATION  
3"=1'-0"



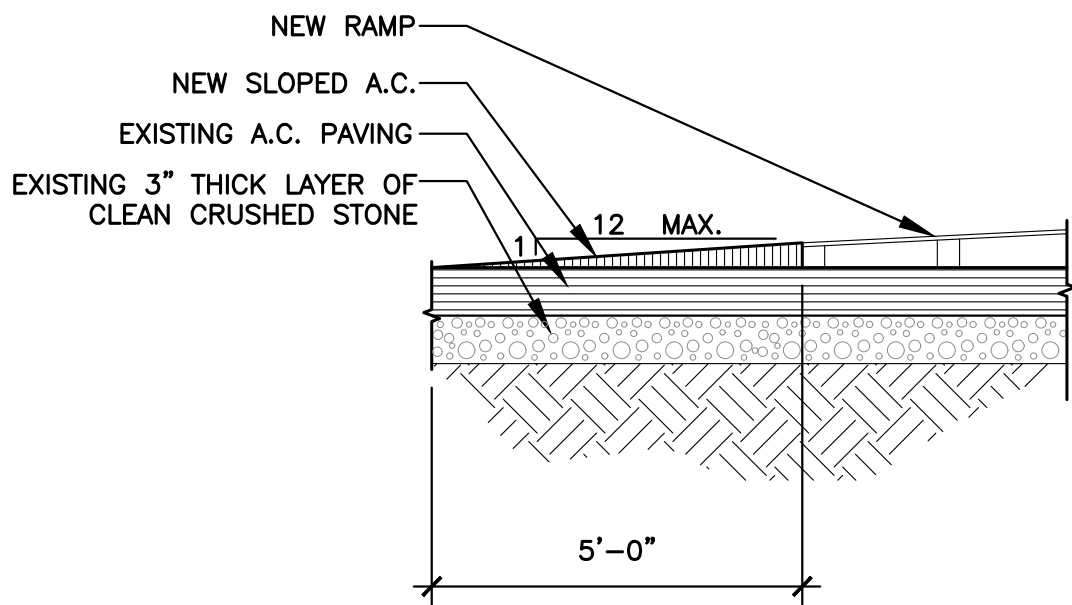
DOOR THRESHOLD, TYP.  
3"=1'-0"



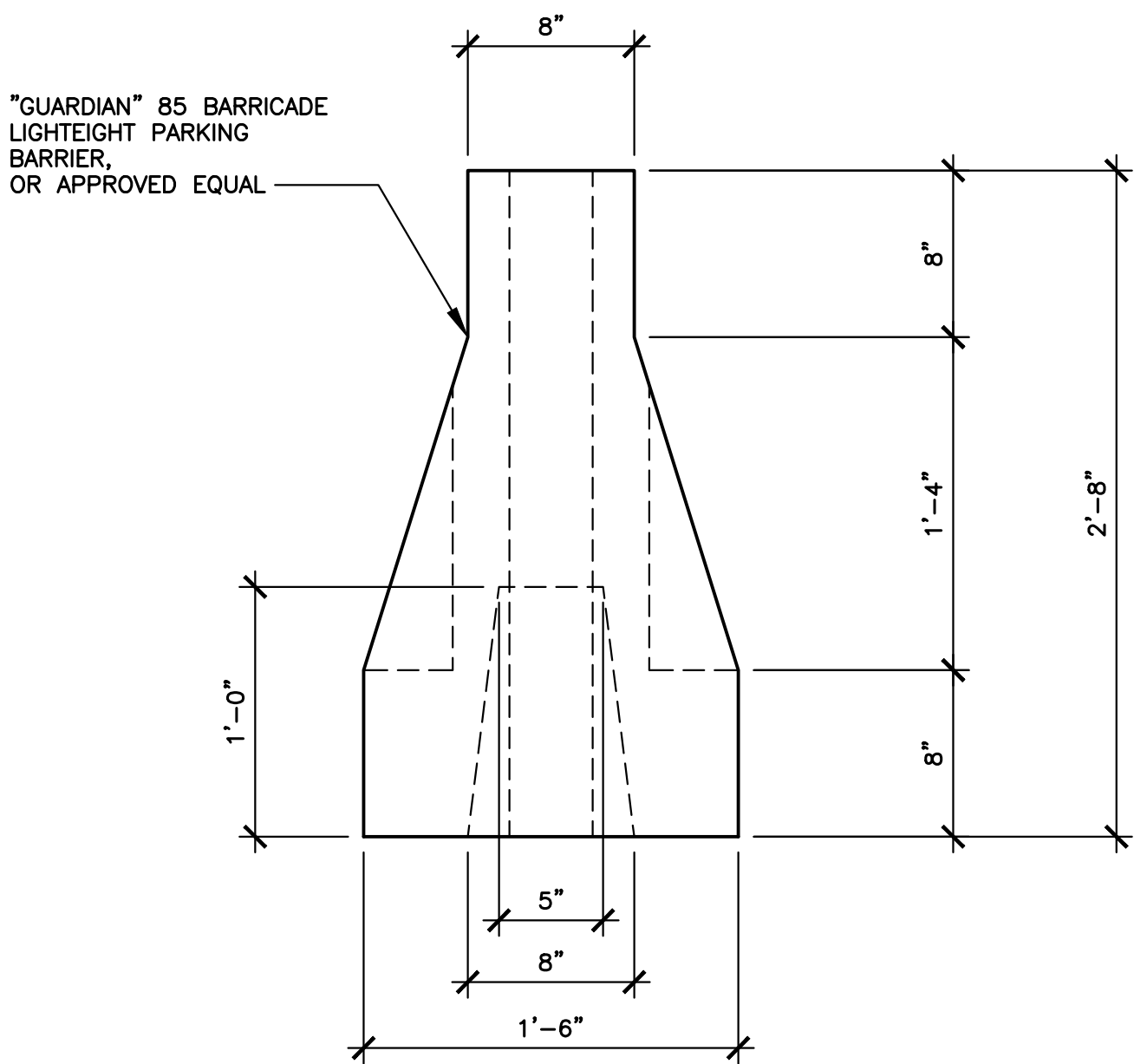
BUILDING SIGNAGE  
3"=1'-0"



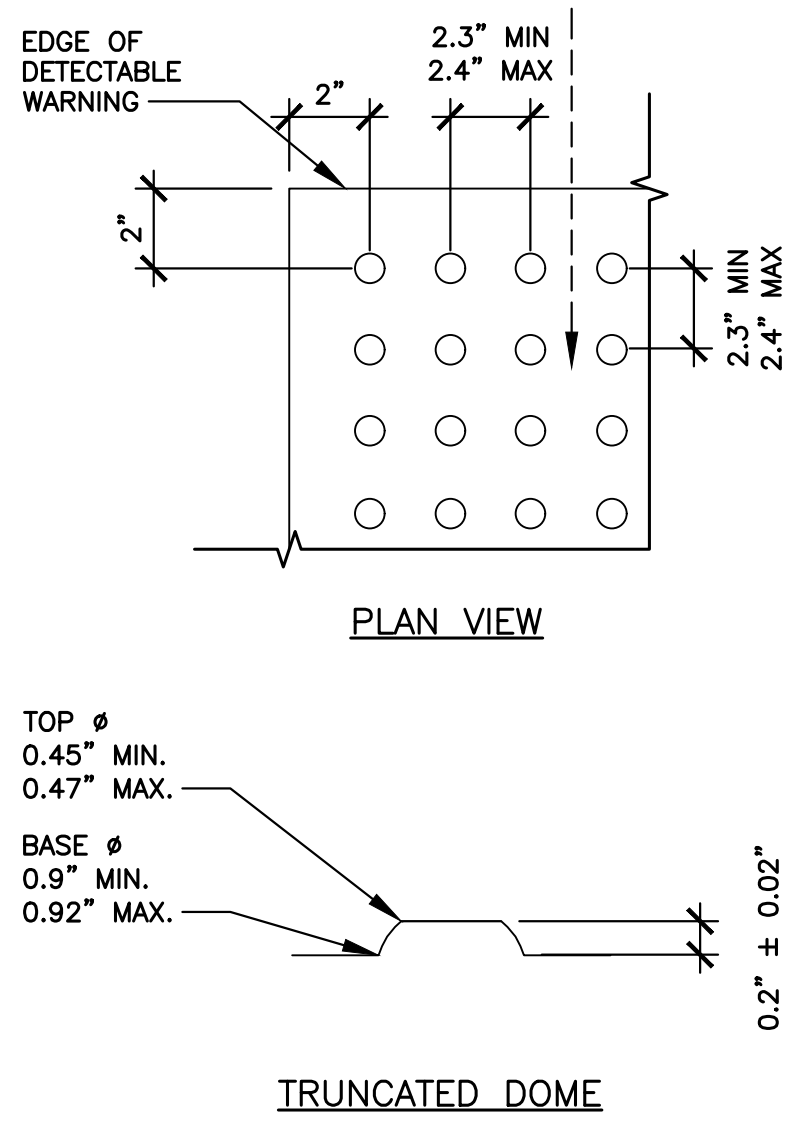
BUILDING SIGNAGE  
3"=1'-0"



SLOPED SURFACE AT RAMP  
1"=1'-0"




TRAFFIC BARRIER, TYP.  
1-1/2"=1'-0"



DETECTABLE WARNING DETAIL  
1-1/2"=1'-0"

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PROJECT NAME

GROSSMONT COLLEGE

PARKING LOT #1  
SWING SPACE  
8800 GROSSMONT COLLEGE DRIVE, EL CAJON, CA 92020

ISSUES REVISIONS

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REV-04	02/23/23	REB	PROJECTORS & SCREENS

SHEET INFORMATION

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ARCHITECTURE + GRAPHICS

A07

DETAILS

PROJECT # 1902.13  
PLOT SCALE 1:1 (24x36" D SIZE)





<b>GROSSMONT CUYAMACA COMMUNITY COLLEGE DISTRICT</b>  <b>MULTIPLE MODULAR BUILDING AND BUILDING 70 REMODEL</b>	
SHEET TITLE:	
<b>TITLE SHEET</b>	
REVISIONS:	DATE:
90% Set	11/07/2022
100% Set	01/13/2023
DATE: 09-29-2022	PROJECT NO. 39
DRAWN BY: UN	CHECKED BY: R
SCALE: AS NOTED	
SHEET NO.	
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DRAWING NO. - .	

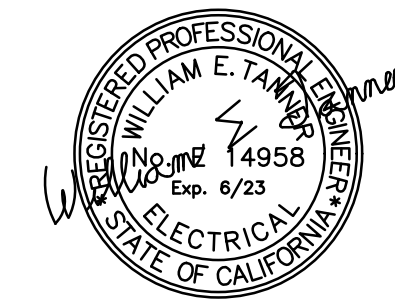


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TE#3906



PROJECT:

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

SHEET TITLE:

**GROSSMONT  
SITE PLAN**

REVISIONS:

DATE:

90% Set	11/07/2022
100% Set	01/13/2023

DATE: 09-29-2022 PROJECT NO. 3906

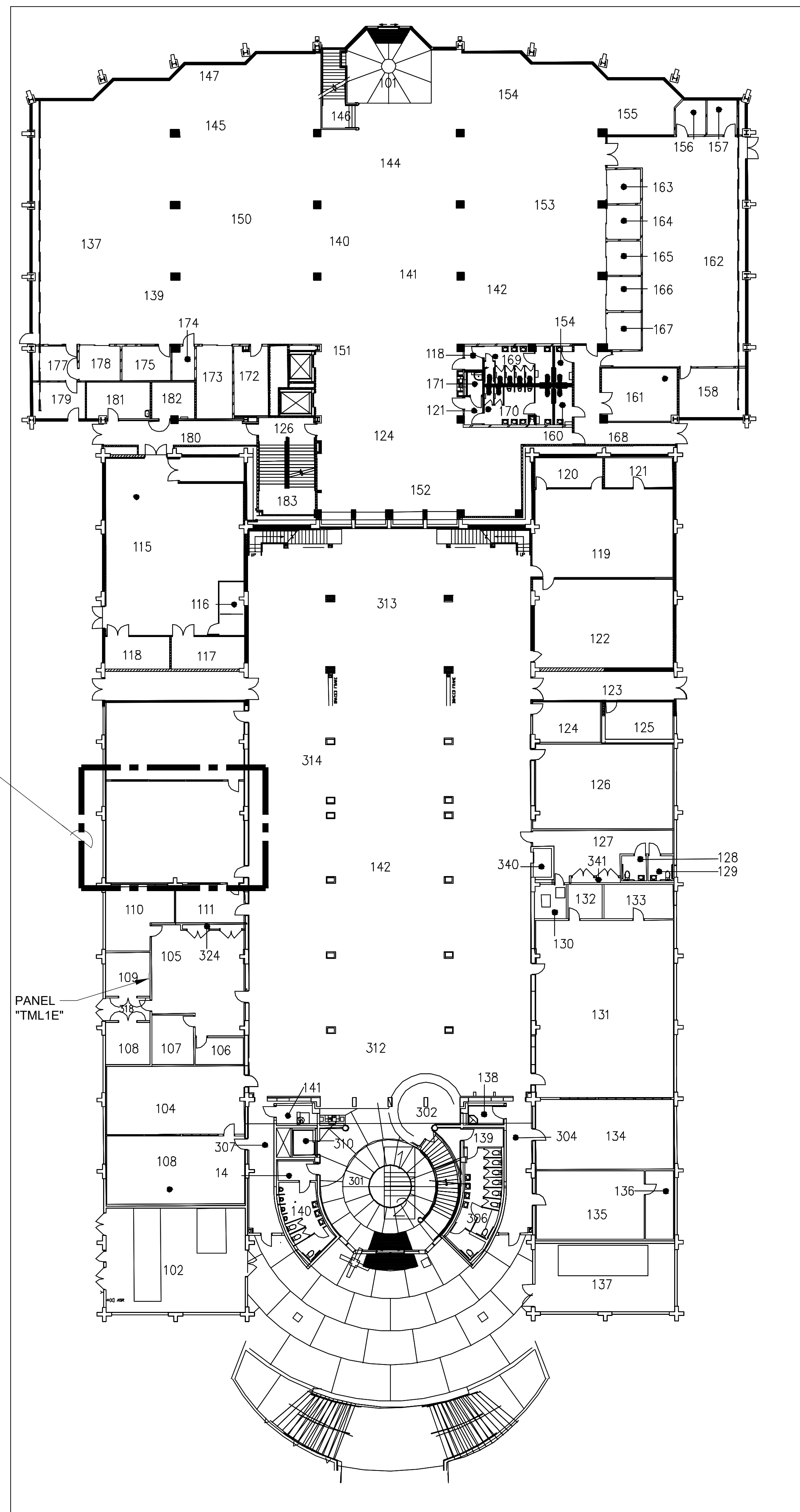
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SCALE: AS NOTED

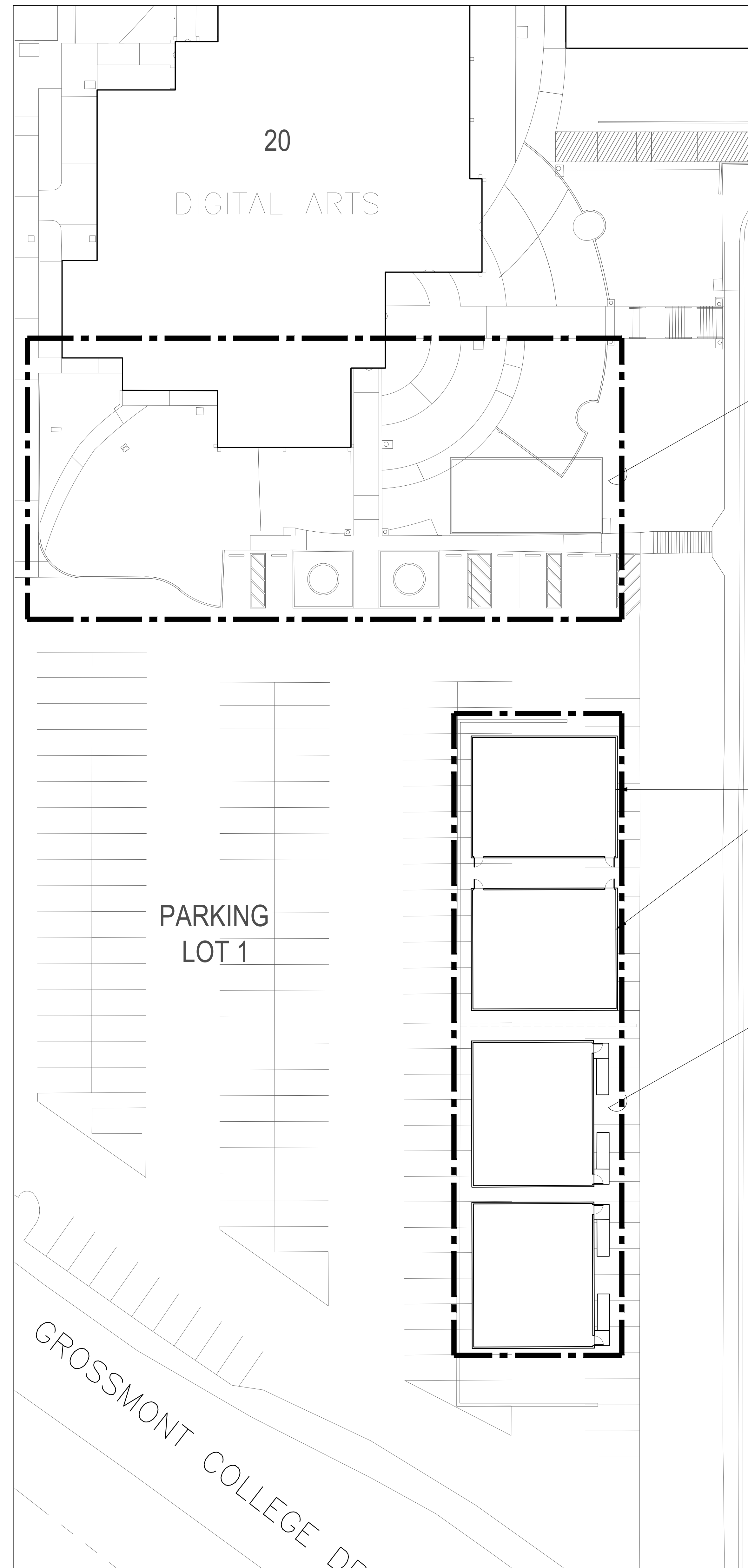
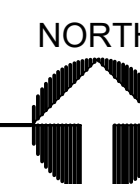
SHEET NO.

**E1.0**

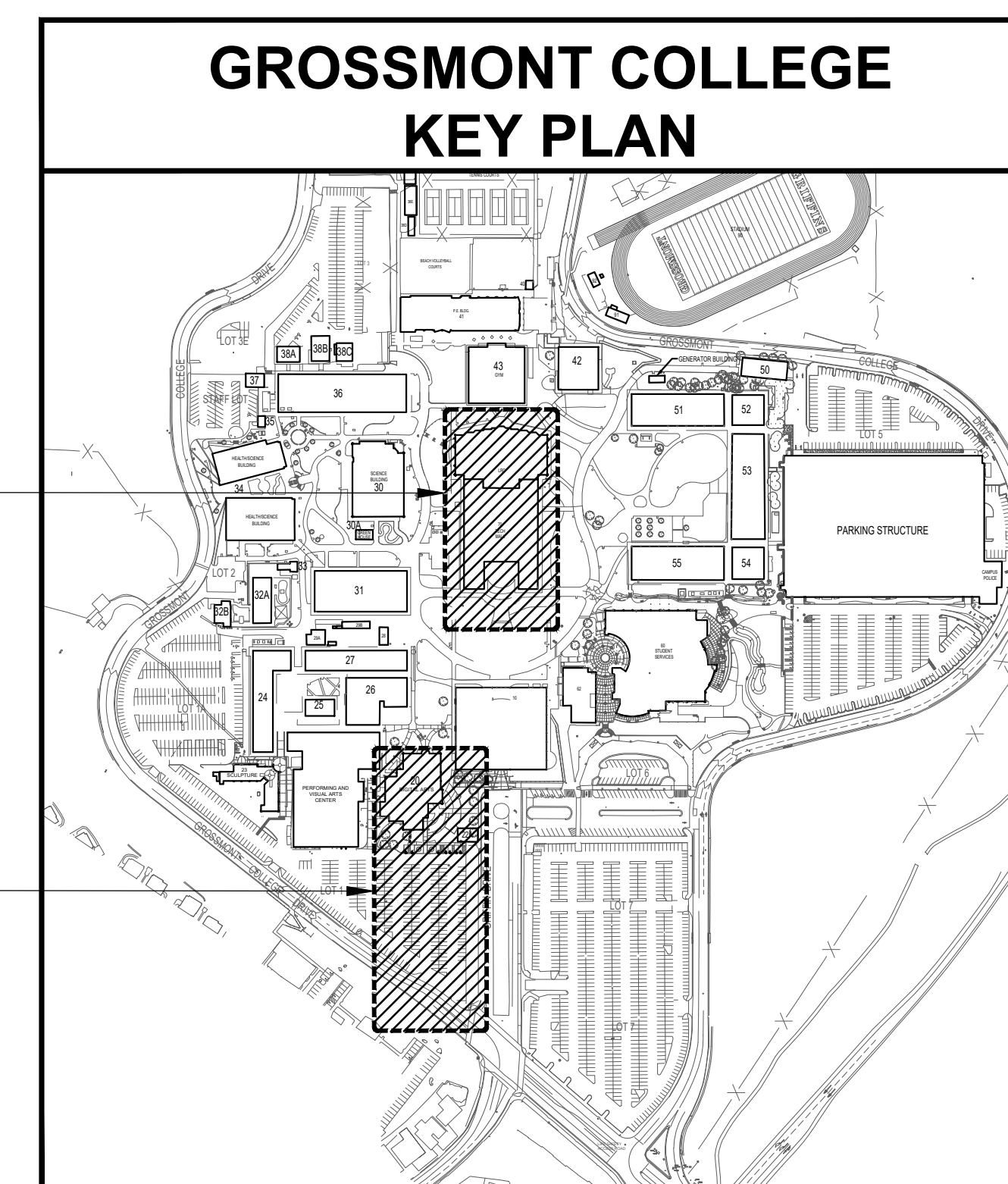
DRAWING NO. OF



**2 GROSSMONT COLLEGE - BUILDING 70**  
SCALE: 1"= 70'-0"



**1 GROSSMONT COLLEGE - PARKING LOT 1**  
SCALE: 1"= 20'-0"

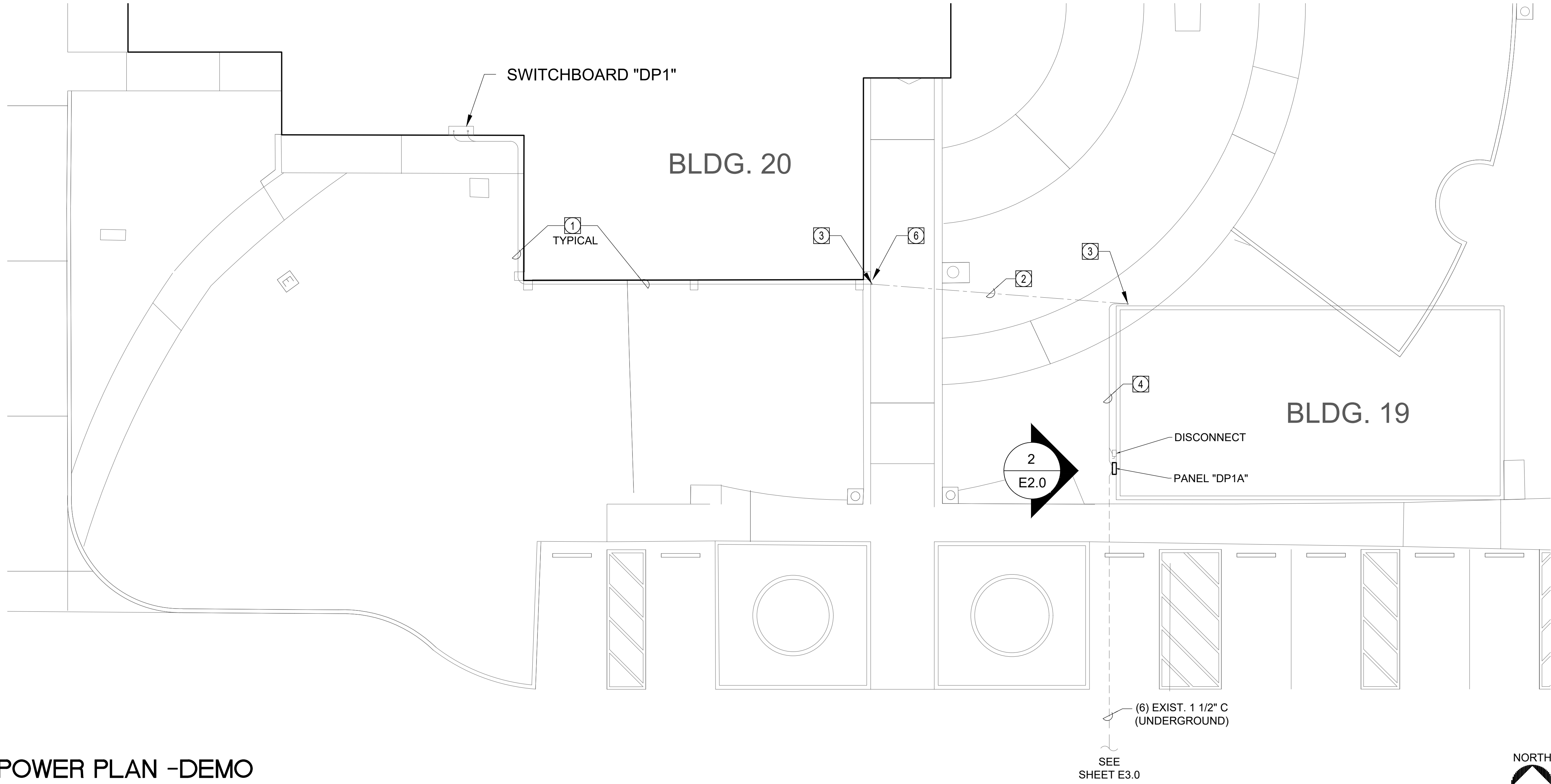


**2 E1.0**

**1 E1.0**



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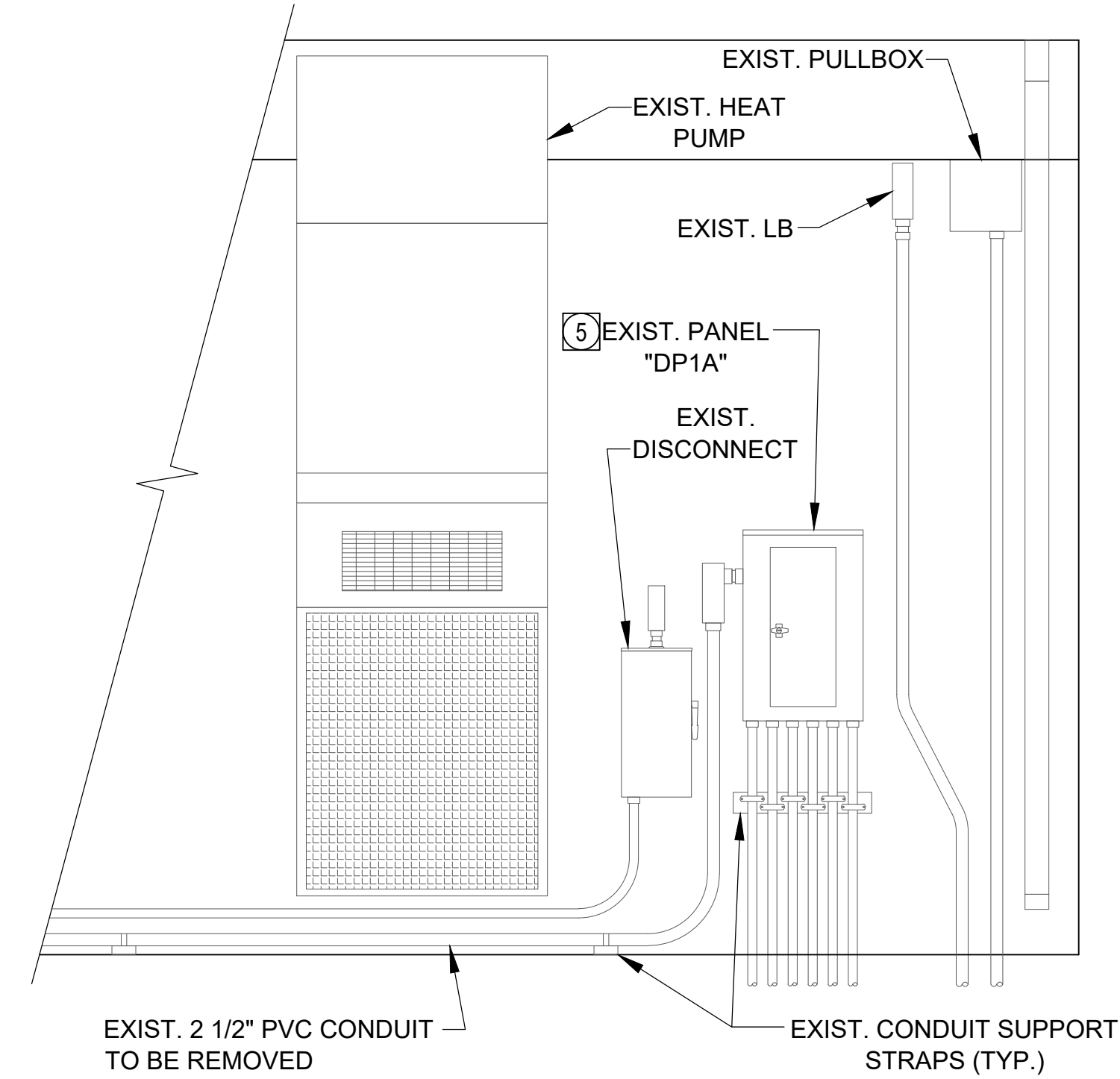


1 POWER PLAN -DEMO

SCALE: 1/8"= 1'-0"

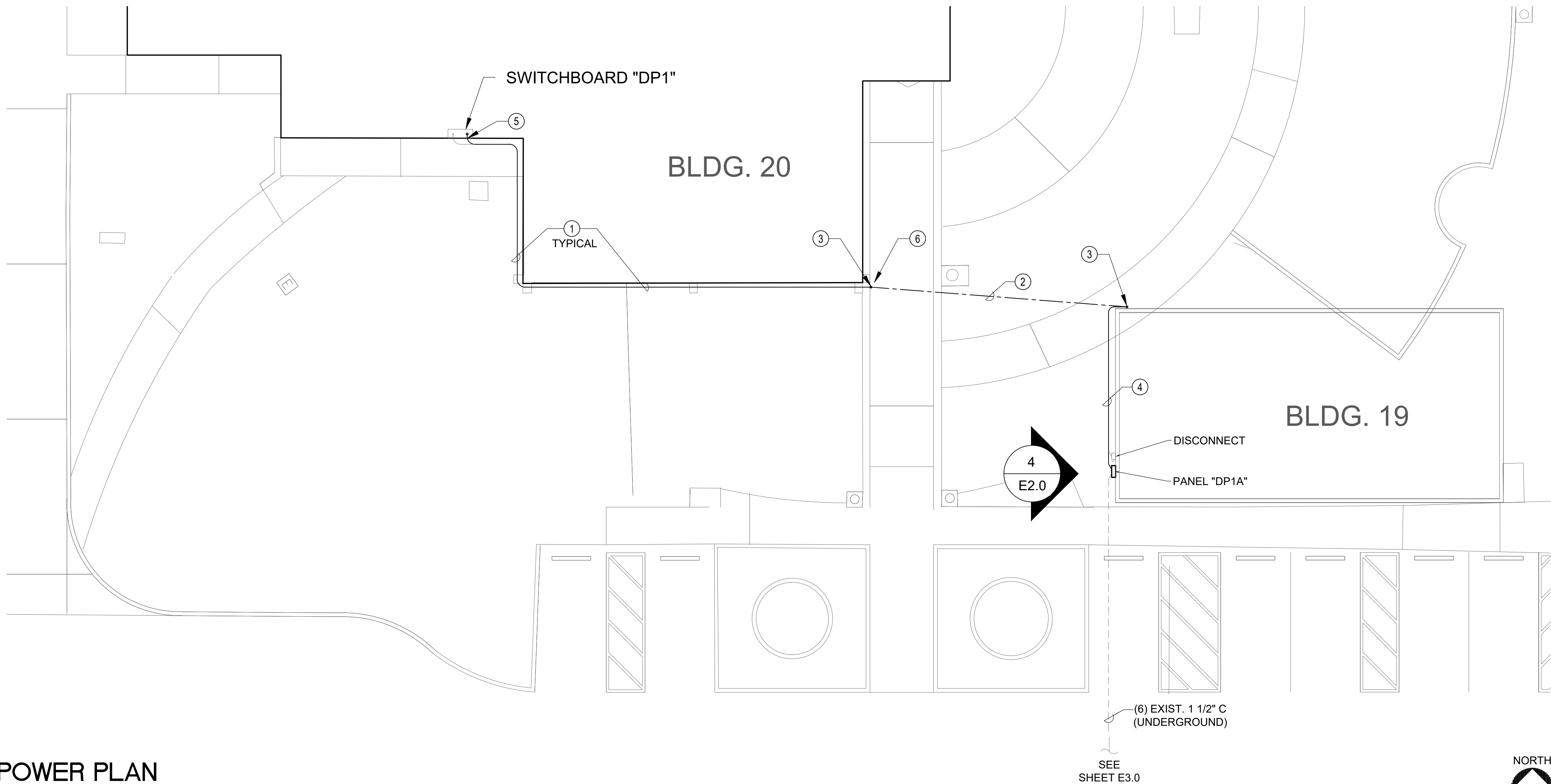
DEMO SHEET NOTES

- (1) 2" AND (1) 1 1/2" EMT EXPOSED CONDUIT, ATTACHED TO SOFFIT. REMOVE 2" CONDUIT AND CONDUCTORS FROM WEATHER HEAD TO SWITCHBOARD. KEEP EXISTING CONDUIT SUPPORTS.
- REMOVE OVERHEAD CABLE FROM 2" CONDUIT.
- WEATHER HEAD.
- (1) 2" PVC AND (1) 1 1/2" EMT EXPOSED CONDUIT. REMOVE 2" PVC AND CONDUCTORS FROM WEATHER HEAD TO PANEL BOARD.
- DISCONNECT EXISTING FEEDERS AND CONDUIT FROM PANEL BOARD. REMOVE PANEL BOARD AND TURN OVER TO DISTRICT STAFF.
- REMOVE (2) EXISTING STRUT SUPPORTS FROM SOFFIT IN THIS LOCATION. SEE DETAIL 6 ON SHEET E6.0.



2 ELEVATION - DEMO

SCALE: 1/2"= 1'-0"

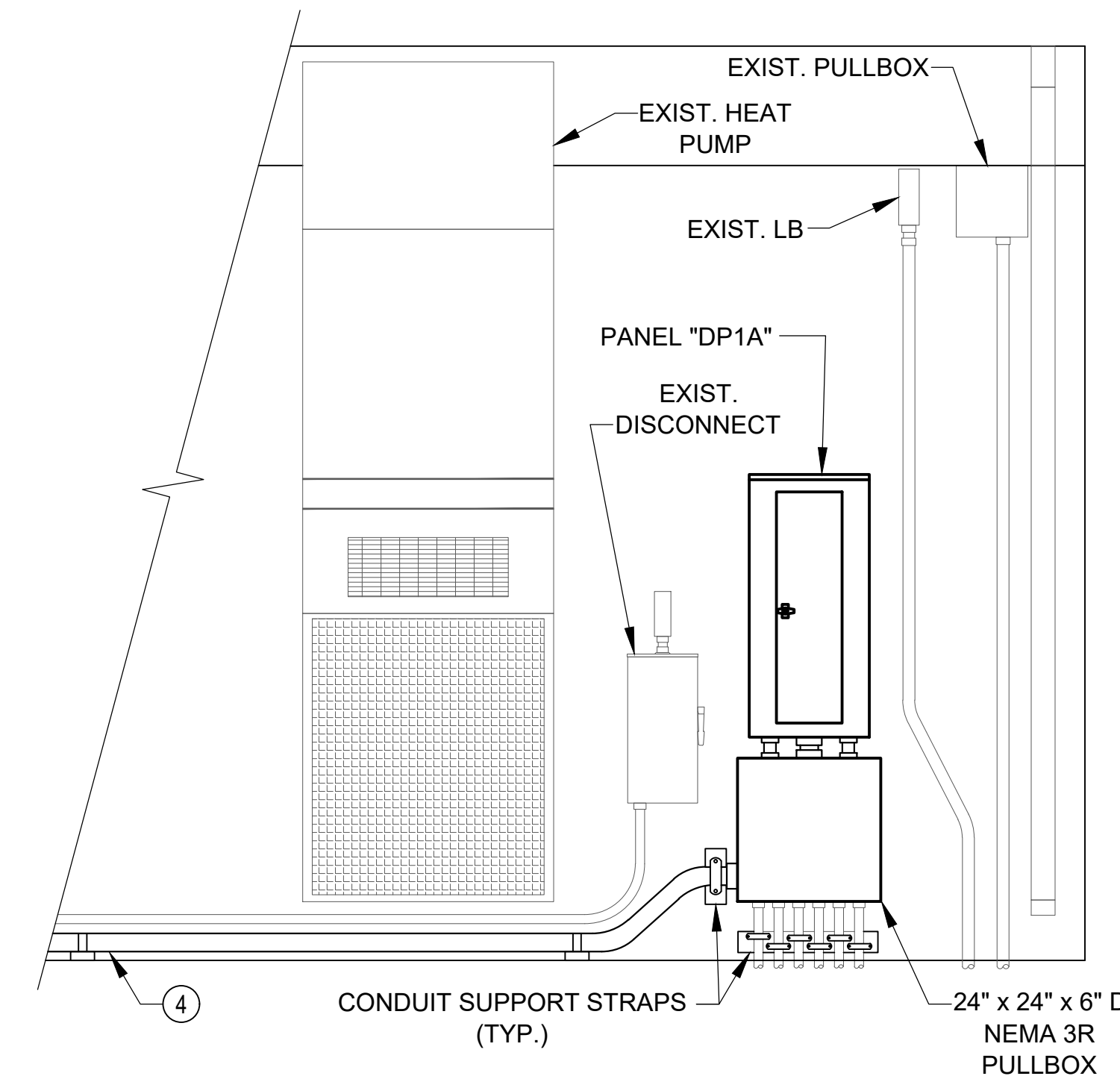


3 POWER PLAN

SCALE: 1/8"= 1'-0"

SHEET NOTES

- INSTALL NEW EMT CONDUIT AND ATTACH TO SOFFIT TO MATCH EXISTING. SUPPORT CONDUIT WITH A MAXIMUM SPACING BETWEEN SUPPORTS OF 10', SEE DETAIL 1 ON SHEET E6.0. SEE SINGLE LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZES.
- INSTALL NEW OVERHEAD CABLE, MATCH EXISTING INSTALLATION, SEE DETAIL 2 ON SHEET E6.0.
- WEATHER HEAD.
- INSTALL NEW PVC CONDUIT. SUPPORT CONDUIT ABOVE GROUND WITH A MAXIMUM SPACING BETWEEN SUPPORTS OF 6'; SEE DETAIL 5 ON SHEET E6.0. SEE SINGLE LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZES.
- CORE DRILL EXISTING OPENING TO ACCOMMODATE NEW 3" CONDUIT. SEAL PENETRATION PER ARCHITECTURAL PLANS. SEE DETAIL 2 ON SHEET A06.
- INSTALL (2) 24" STRUT SUPPORTS TO SOFFIT WITH A MINIMUM OF (4) ANCHOR BOLTS TO EACH STRUT. ADD STRUT SUPPORT AND CONDUIT STRAP AS SHOWN ON DETAIL 7 ON SHEET E6.0.



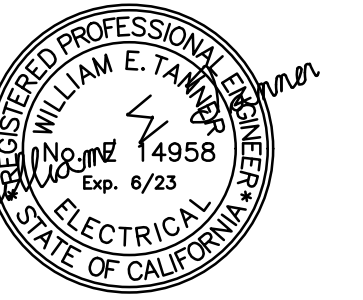
4 ELEVATION - NEW

SCALE: 1/2"= 1'-0"



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TE#3906



PROJECT:

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

SHEET TITLE:

**POWER  
PLAN**

REVISIONS:

DATE:

90% Set	11/07/2022
100% Set	01/13/2023

DATE:

PROJECT NO.

DRAWN BY:

CHECKED BY:

UN

RG

SCALE:

AS NOTED

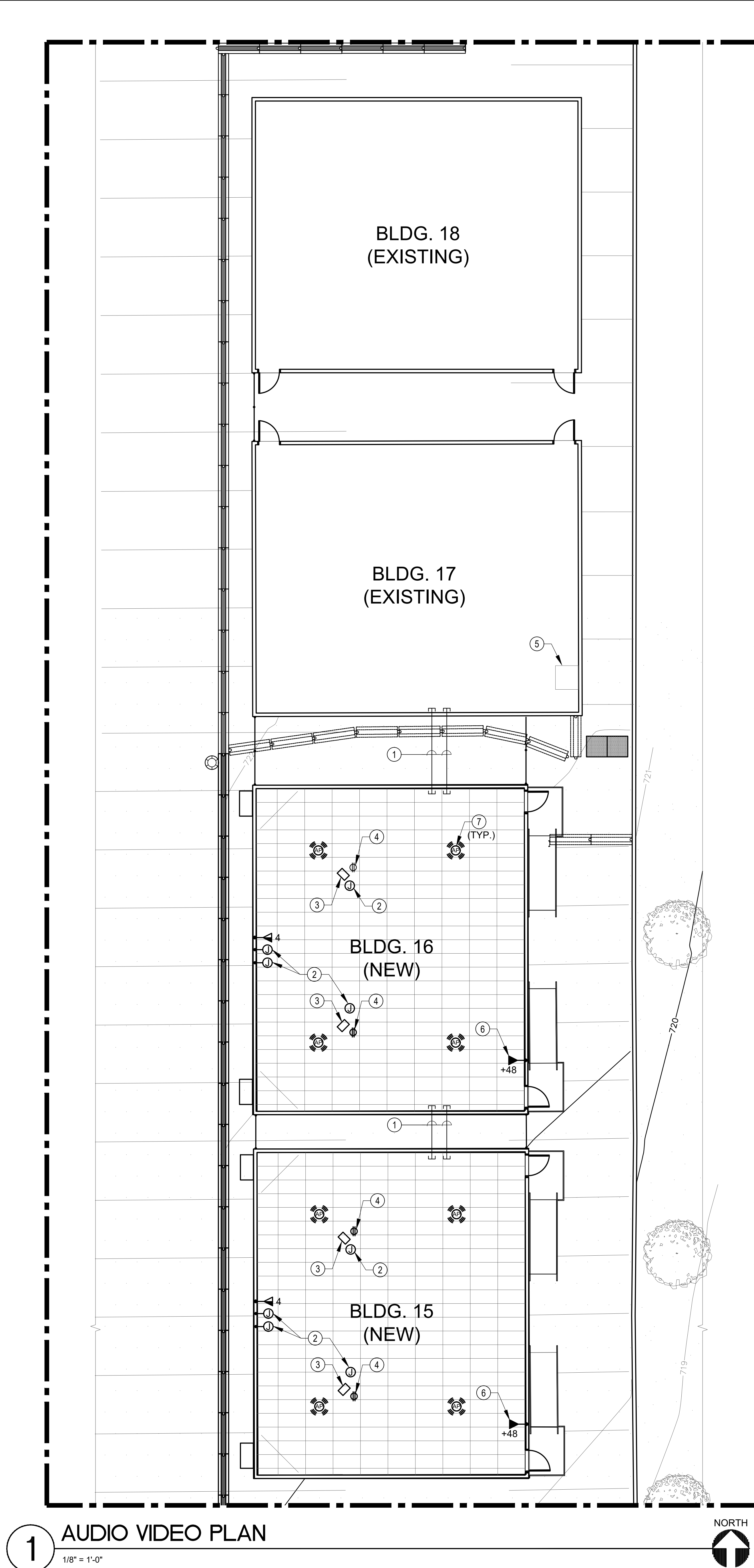
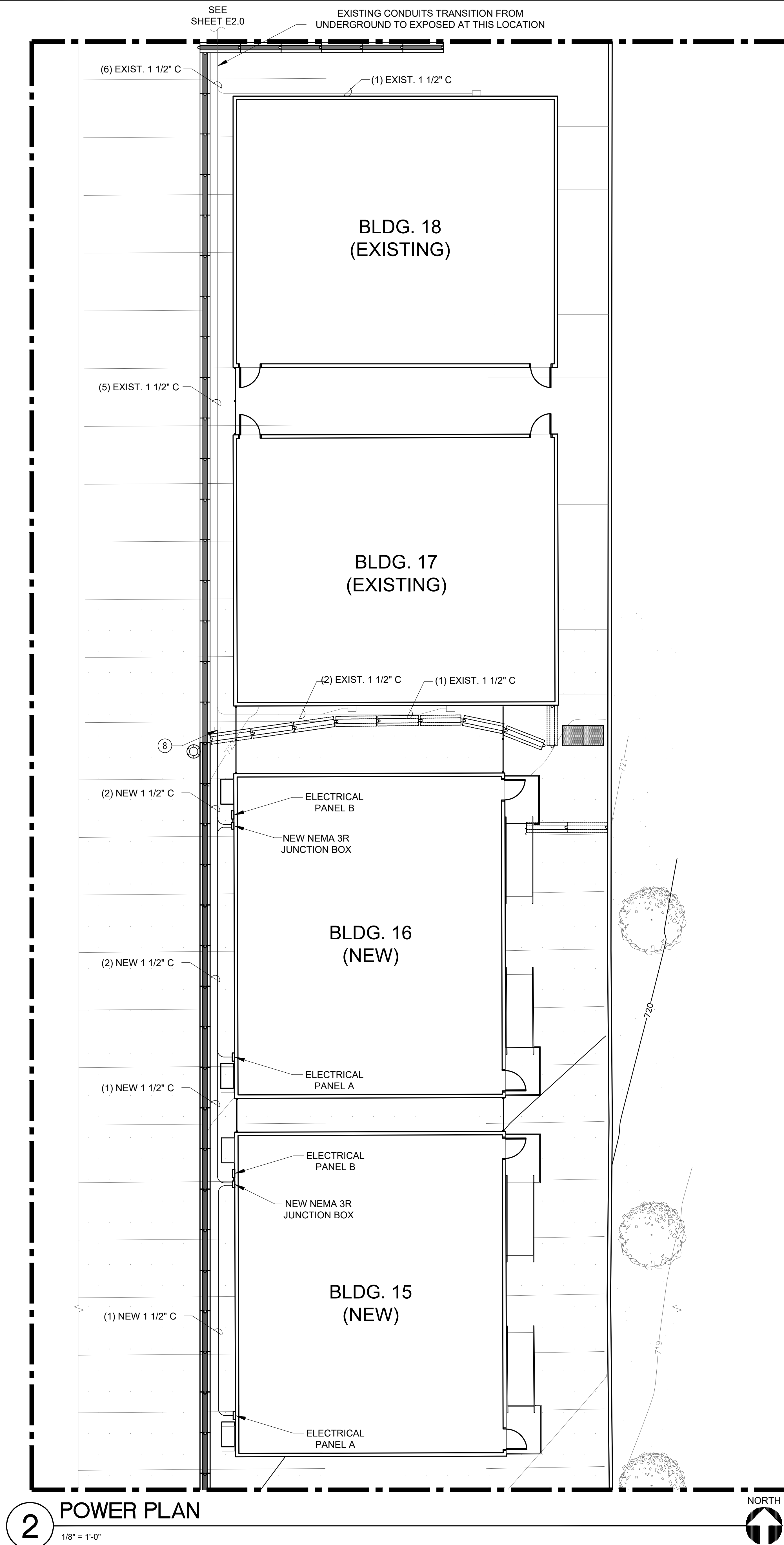
SHEET NO.

**E2.0**

DRAWING NO. - OF -



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#### GENERAL NOTE

1. SEE SKC DRAWINGS FOR POWER, LIGHTING AND GENERAL DATA OUTLET LOCATIONS.

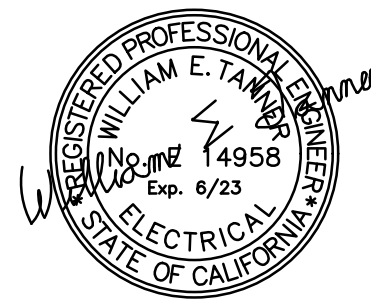
#### SHEET NOTES

1. 2" FLEXIBLE METALLIC CONDUIT (FMC) WITH GUY-WIRE, MATCH EXISTING INSTALLATION, SEE DETAIL 3 ON SHEET E6.0.
2. PROVIDE FLUSH MOUNTED JUNCTION BOX WITH "EXTRON" PLATE PER IT REQUIREMENTS. ROUTE ALL CABLES THROUGH CEILING FROM PROJECTOR TO INSTRUCTOR CART, SEE DETAIL 4 ON SHEET E6.0.
3. OFCI CEILING MOUNTED PROJECTOR. CONTRACTOR TO PROVIDE NEW CEILING MOUNTS SEE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATION. SEE DETAIL 8 ON SHEET E6.0 FOR PROJECTOR MOUNT DETAIL.
4. CEILING MOUNT RECEPTACLES SHALL BE INSTALLED ON THE PROJECTOR PLATE.
5. EXISTING IDF CABINET.
6. PHONE JACK LOCATION. MOUNT NEW FLUSH MOUNTED SINGLE GANG BOX WITH (1) CAT 6 CABLE TO IDF CABINET. INSTALL NEW STAINLESS STEEL PHONE WALLPLATE.
7. MOUNT NEW FLUSH MOUNTED SINGLE GANG BOX WITH (2) CAT 6 CABLE TO IDF CABINET. MOUNT WAP TO BOX WITH APPROPRIATE BOX BRACKET.
8. SEE NOTE 3 ON SINGLE LINE DIAGRAM, SHEET E5.0.



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TE#3906



PROJECT:

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

SHEET TITLE:

**BLDG. 15 AND 16  
POWER AND DATA**

REVISIONS:

DATE:

90% Set	11/07/2022
100% Set	01/13/2023

DATE: 09-29-2022

PROJECT NO. 3906

DRAWN BY: UN

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SCALE: AS NOTED

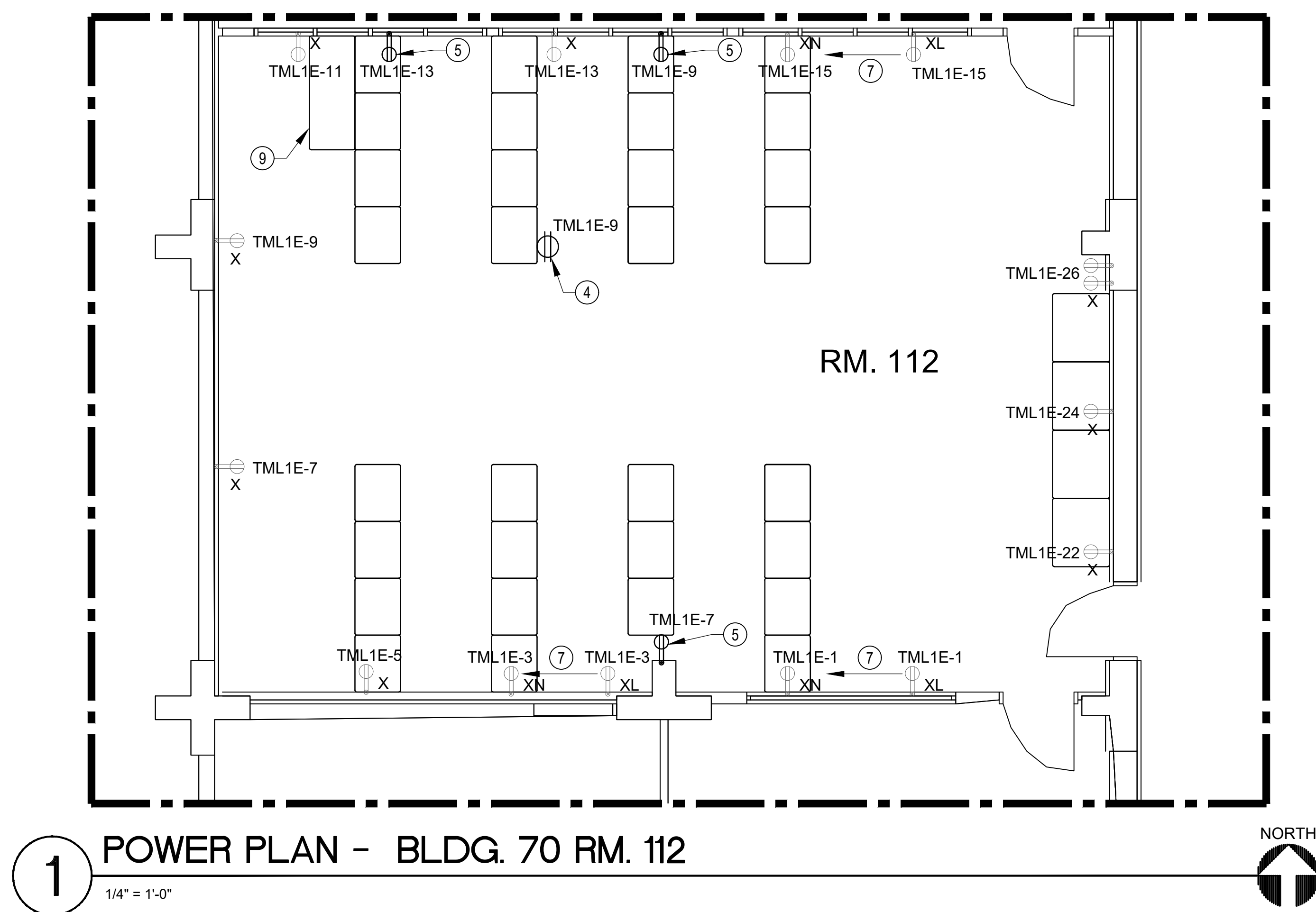
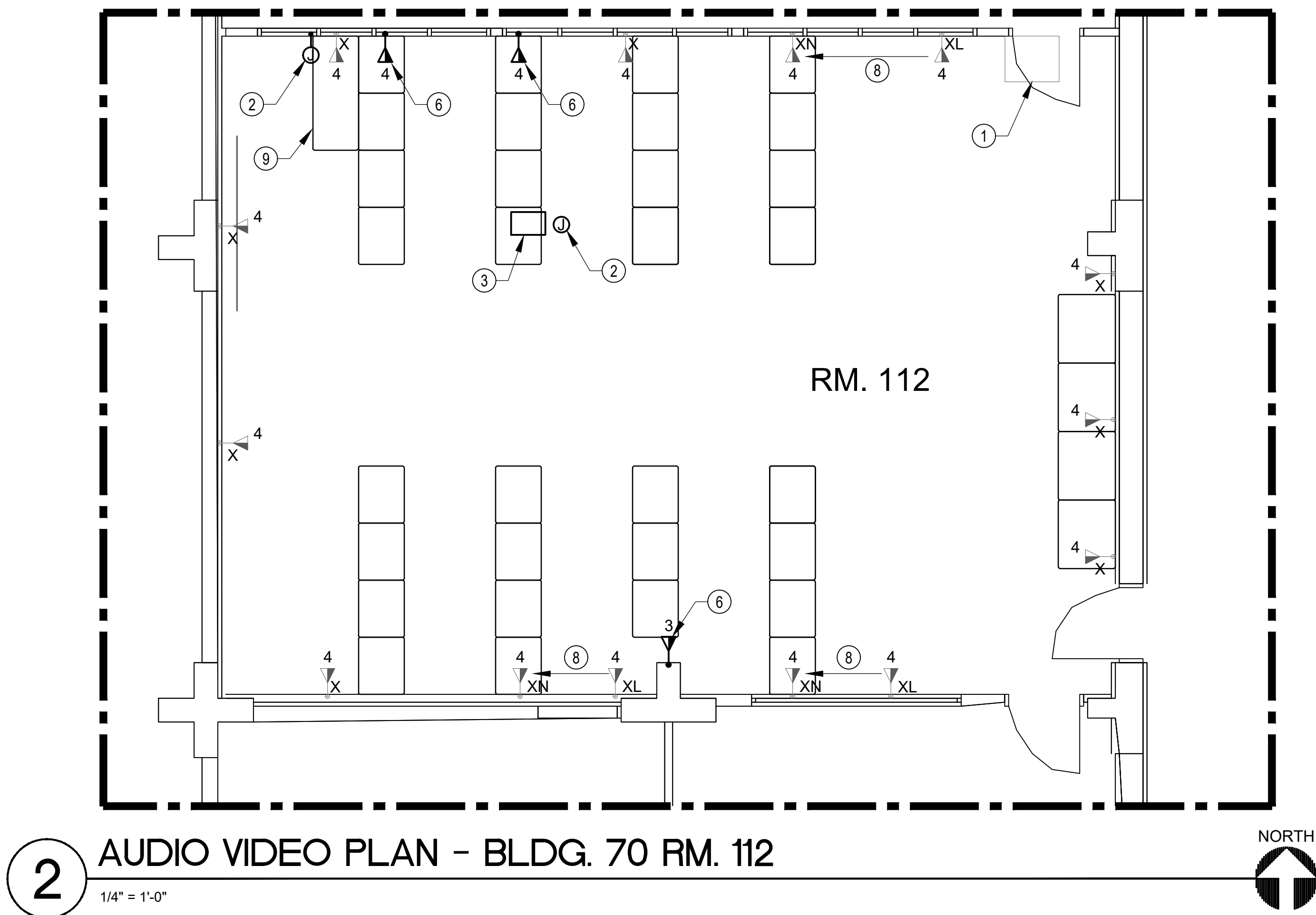
SHEET NO.

**E3.0**

DRAWING NO. OF



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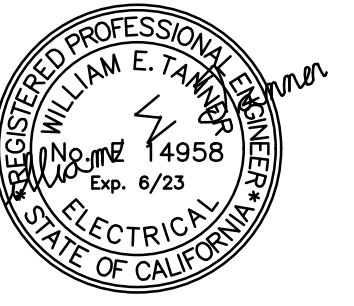
#### SHEET NOTES

- EXISTING IDF CABINET, ABOVE DOOR.
- PROVIDE FLUSH MOUNTED JUNCTION BOX WITH "EXTRON" PLATE PER IT REQUIREMENTS. ROUTE ALL CABLES THROUGH CEILING FROM PROJECTOR TO INSTRUCTOR CART, SEE DETAIL 4 ON SHEET E6.0.
- OFCI CEILING MOUNTED PROJECTOR AND CEILING MOUNTS. SEE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATION. SEE DETAIL 8 ON SHEET E6.0 FOR PROJECTOR MOUNT DETAIL.
- CEILING MOUNT RECEPTACLE. EXTEND CIRCUIT FROM WALL AS SHOWN. RECEPTACLE SHALL BE INSTALLED ON THE PROJECTOR PLATE, SEE DETAIL 8 ON SHEET E6.0.
- NEW RECEPTACLE IN EXISTING WIREWAY. INSTALL NEW POWER OUTLET, PROVIDE OUTLET PLATES TO MATCH EXISTING. CONNECT TO CIRCUIT NUMBER AS SHOWN.
- NEW DATA RECEPTACLE IN EXISTING WIREWAY. INSTALL NEW DATA OUTLETS, INSTALL NEW DATA PLATES TO MATCH EXISTING. RUN AND TERMINATE NEW DATA CABLES TO EXISTING IDF CABINET.
- RELOCATE EXISTING OUTLET AS SHOWN, EXTEND CIRCUITS TO NEW LOCATION. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
- RELOCATE EXISTING DATA OUTLET AS SHOWN. RUN AND TERMINATE NEW DATA CABLES TO IDF CABINET. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
- INSTRUCTOR CART LOCATION, SEE ARCHTICTURAL DRAWINGS FOR EXACT LOCATION.



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TE#3906



PROJECT:

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

SHEET TITLE:

**BUILDING 70  
POWER AND DATA**

REVISIONS:	DATE:
90% Set	11/07/2022
100% Set	01/13/2023

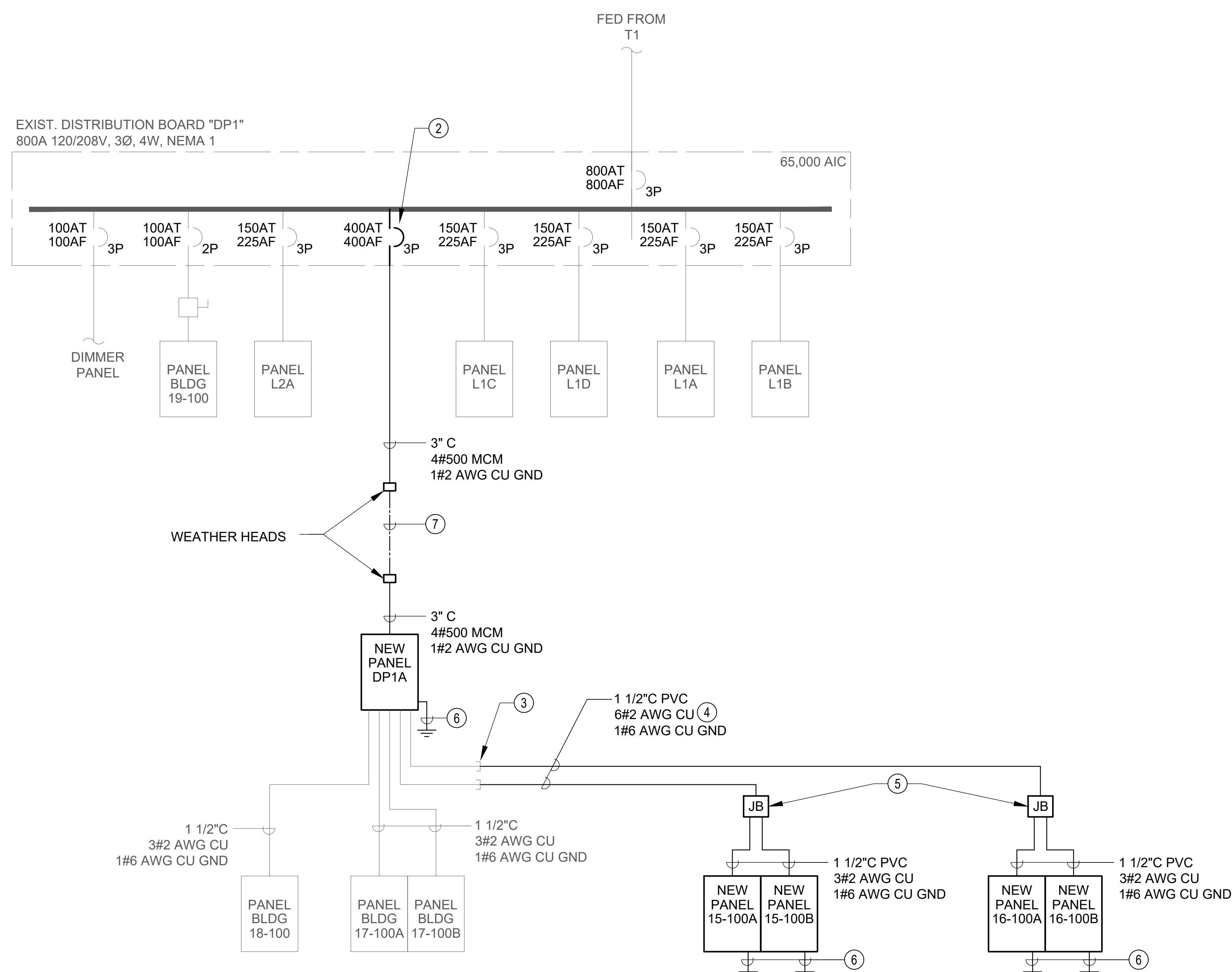
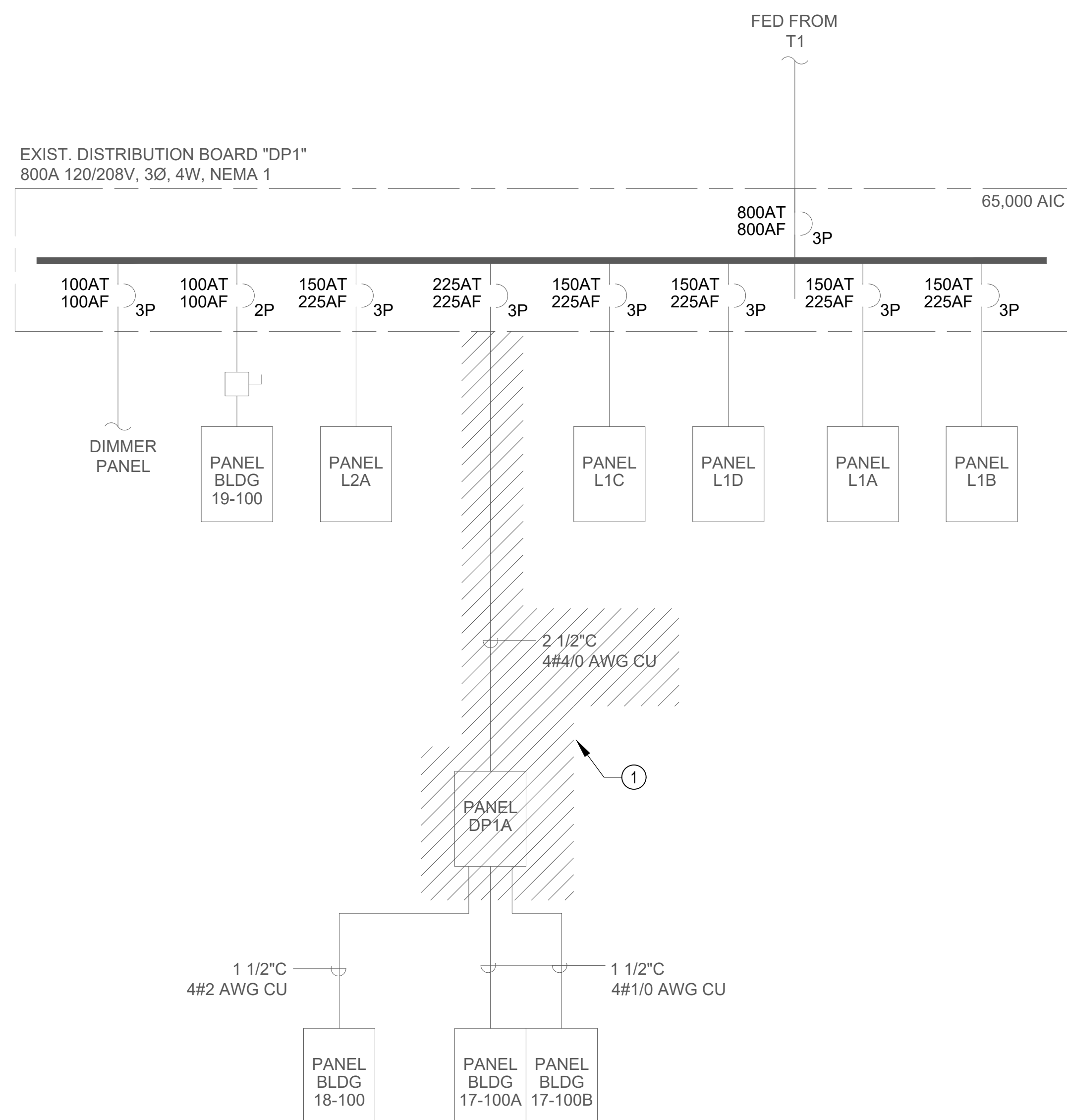
DATE: 09-29-2022	PROJECT NO. 3906
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SCALE: AS NOTED

SHEET NO.

**E4.0**

DRAWING NO. - OF -

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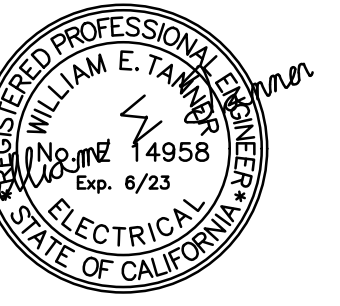
- ## SHEET NOTES

- ① REMOVE PANELBOARD, CONDUIT AND CONDUCTORS SHOWN IN HATCHED AREA.
- ② INSTALL NEW 400A, 3P BREAKER, PROVIDE NEW MOUNTING HARDWARE AND DEAD-FRONTS. MATCH EXISTING MANUFACTURER AND AIC RATING .
- ③ EXTEND EXISTING 3" PVC CONDUITS TO NEW MODULAR ELECTRICAL PANEL LOCATIONS, SEE POWER PLAN DETAIL 2 ON SHEET E3.0.
- ④ ADJUSTMENT FACTOR FOR MORE THAN THREE CURRENT-CARRYING CONDUCTORS IN A RACEWAY PER CEC TABLE 310.15(B)(3)(a) TAKEN INTO ACCOUNT.
- ⑤ 12" x 12" x 4" DEEP NEMA 3R WALL MOUNTED JUNCTION BOX, SEE POWER PLAN DETAIL 2 ON SHEET E3.0.
- ⑥ GROUNDING ELECTRODE CONDUCTOR SIZED PER NEC TABLE 250-66. CONNECT ELECTRODE CONDUCTOR TO NEAREST AVAILABLE EFFECTIVELY GROUNDED STRUCTURAL MEMBER, COLD WATER PIPE, OR ELECTRODE PER NEC 250-50. WHERE THESE SOURCES ARE NOT AVAILABLE, THE CONNECTION SHALL BE MADE PER NEC 250-52.
- ⑦ TRANSITION CABLE TO 500 KCMIL ALUMINUM QUADRUPLX OVERHEAD SERVICE DROP CABLE. UTILIZE APPROVED WEATHERPROOF CONNECTORS FOR THIS USE.



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E#3906



**PROJECT:**

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

**HEET TITLE:**

### PARTIAL SINGLE LINE DIAGRAM

**VISIONS:**

DATE: \_\_\_\_\_

90% Set

11/07/2022

100% Set

01/13/2023

TE:

09-29-2

SUBJECT NO.

3906

AWN BY:

SALE: AS NO

CKED BY: RG

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HEET NO.

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**E**

## E5.0

AWING NO. -

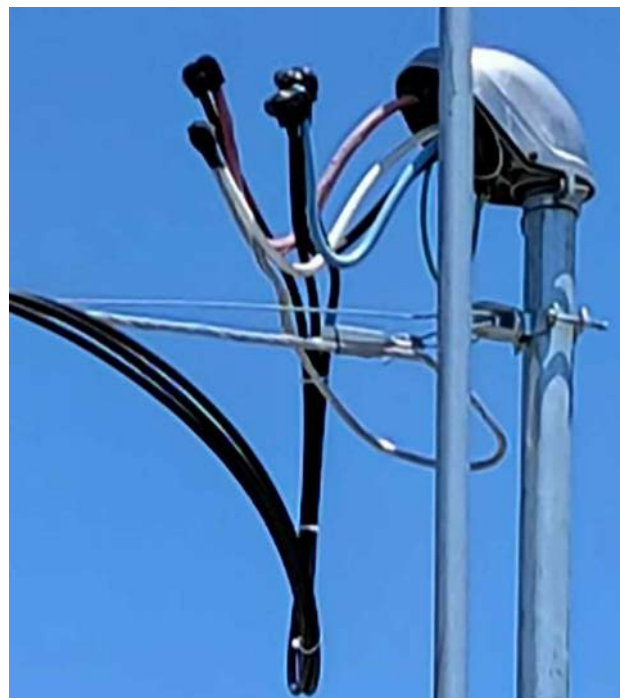
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1 EMT CONDUIT SUPPORT



2 OVERHEAD CONNECTION



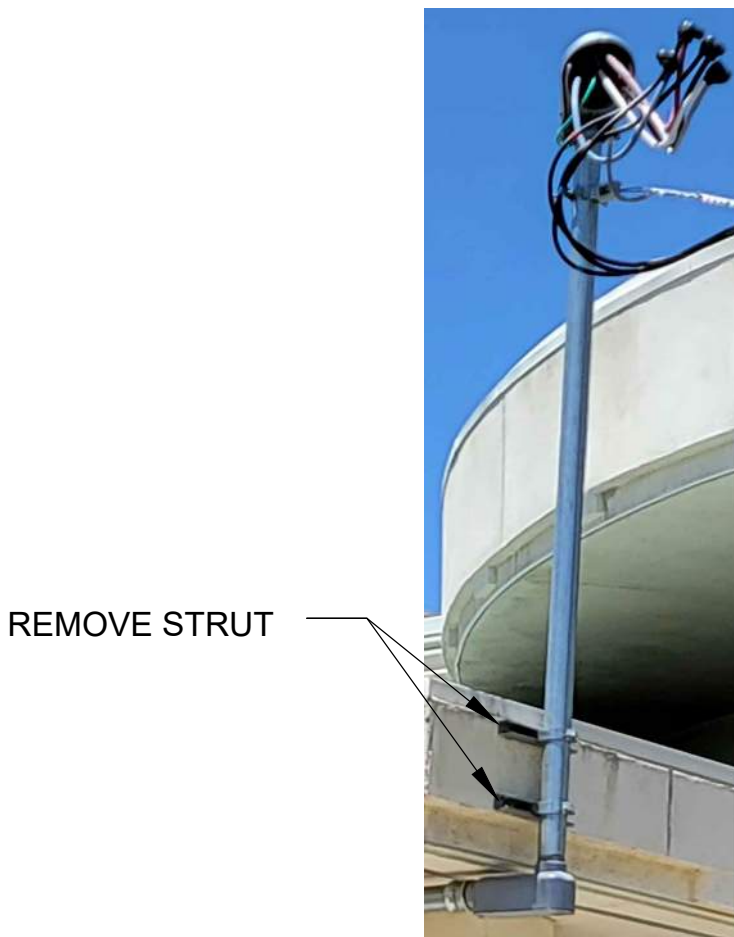
3 FLEXIBLE CONDUIT DETAIL



4 INSTRUCTOR CART CABLES



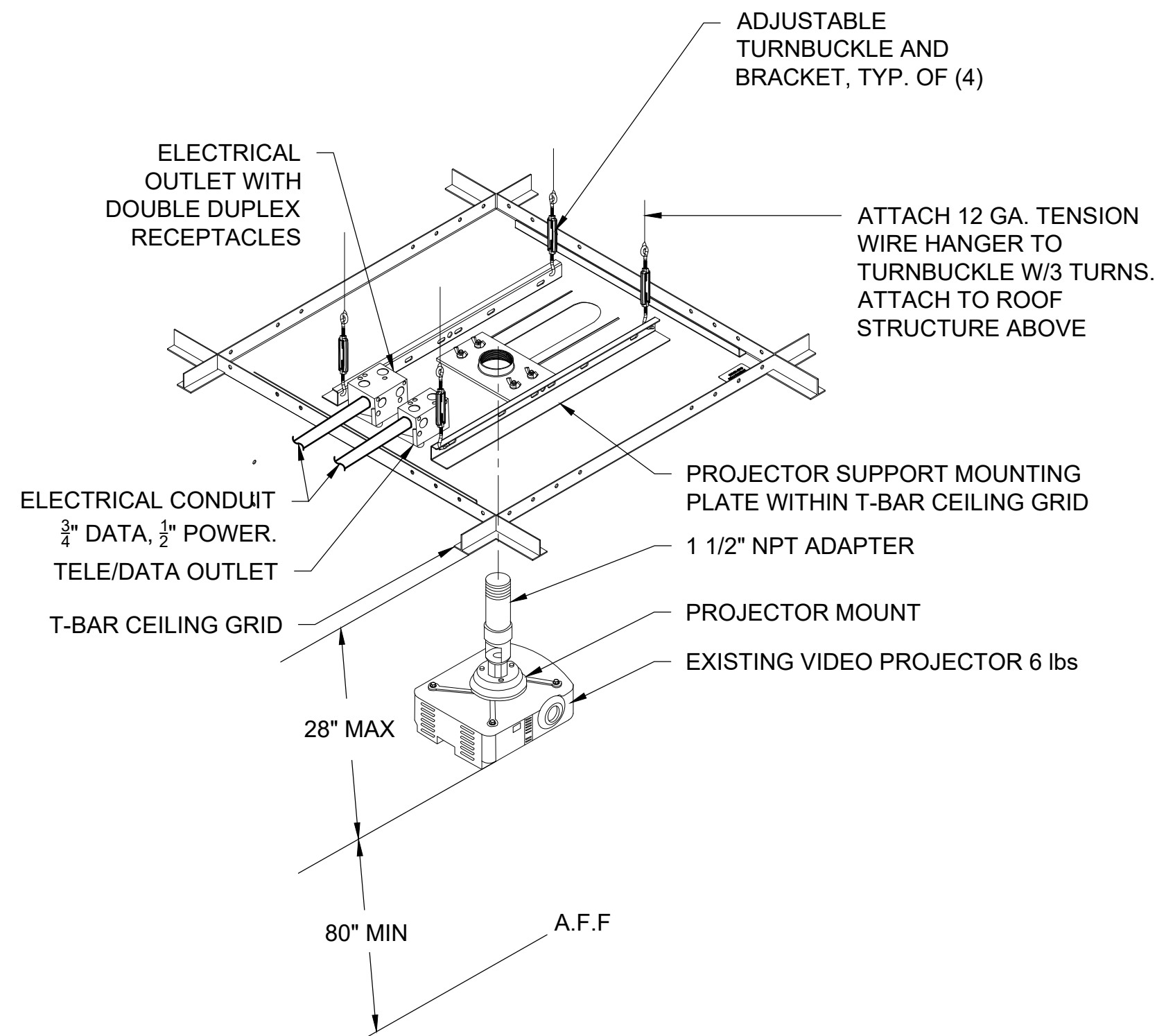
5 PVC CONDUIT SUPPORT



6 EXISTING STRUT SUPPORT



7 STRUT SUPPORT

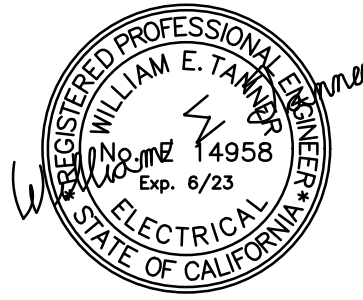


8 TYPICAL PROJECTOR MOUNT



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TE#3906



PROJECT:

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

SHEET TITLE:

**DETAILS**

REVISIONS:	DATE:
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DATE:	09-29-2022	PROJECT NO.	3906
DRAWN BY:	UN	CHECKED BY:	RG
SCALE:	AS NOTED		

SHEET NO.

**E6.0**

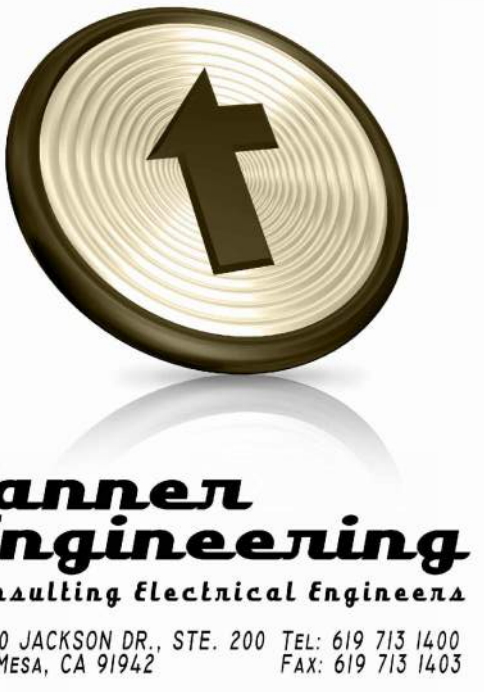
DRAWING NO. - OF -



# GROSSMONT COMMUNITY COLLEGE DISTRICT

## MULTIPLE MODULAR BUILDING AND BUILDING 70 REMODEL

### FIRE ALARM SYSTEM



TE#3906



PROJECT:

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

SHEET TITLE:

**FIRE ALARM  
COVER SHEET**

REVISIONS: DATE:

90% Set	11/07/2022
100% Set	01/13/2023

DATE: 09-29-2022 PROJECT NO. 3906  
DRAWN BY: UN CHECKED BY: RG  
SCALE: AS NOTED  
SHEET NO. **FA0.0**  
DRAWING NO. OF -

#### DRAWING INDEX

SHEET INDEX	
Sheet Number	Sheet Title
FA0.0	FIRE ALARM COVER SHEET
FA0.1	FIRE ALARM SITE PLAN
FA1.0	FIRE ALARM PLAN
FA1.1	FIRE ALARM RISER DIAGRAM
FA1.2	FIRE ALARM CALCULATIONS
FA1.3	FIRE ALARM NAC PANEL DETAIL
FA1.4	FIRE ALARM WIRING TYPICALS

#### GENERAL NOTES

- THESE DRAWINGS DEPICT GENERAL LOCATIONS OF LIFE SAFETY EQUIPMENT & FIELD DEVICES. EXACT ROUTING OF CONDUITS IS TO BE DETERMINED IN THE FIELD BY THE INSTALLING CONTRACTOR TO SUIT CONDITIONS. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
- SHOULD ANY CONDITIONS EXIST THAT DIFFER FROM WHAT IS INDICATED ON THESE DRAWINGS WHICH CAUSE MAJOR DEVIATIONS IN THE WORK SHOWN, THE CONTRACTOR SHALL CONTACT \*\*\*\*\* IN A TIMELY MANNER SO AS NOT TO IMPAIR THE CONSTRUCTION SCHEDULE.
- CONTRACTOR IS RESPONSIBLE FOR MAKING AND OBTAINING APPROVAL FOR ALL NECESSARY ADJUSTMENTS IN CIRCUITING AS REQUIRED TO ACCOMMODATE THE RELOCATION OF EQUIPMENT AND/OR DEVICES WHICH ARE AFFECTED BY ANY AUTHORIZED CHANGE. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
- A STAMPED SET OF APPROVED FIRE ALARM DRAWINGS SHALL BE AT THE JOB SITE AND SHALL BE USED FOR INSTALLATION.
- THE POWER CIRCUIT TO THE FACP AND TO THE FIRE ALARM POWER SUPPLIES SHALL BE ON A DEDICATED 120V, 20A BRANCH CIRCUIT BREAKER, AND SHALL HAVE A RED MARKING, LOCK-ON PROVISION AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL." THE LOCATION OF THE CIRCUIT DISCONNECT MEANS (CIRCUIT BREAKER) SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.
- UPDATE THE AS-BUILT DRAWING SET DAILY WITH JOB PROGRESS. RETURN THE AS-BUILT DRAWING SET TO \*\*\*\*\* NO LATER THAN 7 DAYS AFTER FINAL TEST.
- THE CONTRACTOR WILL MAINTAIN ALL AREAS OF THE BUILDING IN A NEAT AND WORKMANLIKE MANNER. DO NOT APPLY POWER EXCEPT IN THE PRESENCE OF A FACTORY TRAINED \*\*\*\*\* TECHNICAL REPRESENTATIVE.
- ANY SMOKE DETECTOR HEAD INSTALLED BEFORE THE BUILDING IS CLEANED AND ACCEPTED SHALL BE COVERED TO PROTECT FROM DUST. ANY FALSE ALARMS DUE TO DIRT CONTAMINATED HEADS SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM INSTALLER.
- THE FIRE ALARM INSTALLER WILL MAINTAIN THE FIRE RESISTANCE INTEGRITY OF ALL WALL, CEILING, AND ROOF ASSEMBLIES ANY TIME THAT WORK IS NOT ACTIVELY BEING PERFORMED.
- INSTALLATION OF DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. POWER LIMITED AND NON-POWER LIMITED FIELD WIRING MUST BE INSTALLED WITHIN THE FACP ENCLOSURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPLICABLE ELECTRICAL CODES. REFER TO 'APPLICABLE CODES & STANDARDS' FOR SPECIFIC CODE REFERENCES.
- ALL WIRING SHALL BE INSTALLED ACCORDING TO APPLICABLE ELECTRICAL CODES.
- FIRE ALARM CIRCUITS SHALL BE IDENTIFIED IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES. MARK ALL FIRE ALARM WIRES IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODE SECTIONS FOR POWER LIMITED AND NON-POWER LIMITED WIRE.
- FIRE ALARM CABLE INSTALLED IN DUCTS, PLENUM, AND OTHER SPACES USED FOR ENVIRONMENTAL AIR SHALL BE TYPE FPLP.
- FIRE ALARM CABLE INSTALLED IN THE VERTICAL RUNS AND PENETRATING MORE THAN ONE FLOOR OR CABLES INSTALLED IN VERTICAL RUNS IN SHAFTS SHALL BE TYPE FPLR.
- FIRE ALARM CABLE INSTALLED IN UNDERGROUND CONDUIT OR OTHER WET LOCATIONS SHALL BE UL LISTED FOR WET LOCATIONS.
- FIRE ALARM CIRCUITS EXTENDING BEYOND ONE BUILDING AND RUN OUTDOORS SHALL BE INSTALLED IN ACCORDANCE APPLICABLE ELECTRICAL CODES, WHERE APPLICABLE.
- ALL WIRING, INCLUDING SHIELDS MUST BE DRY AND FREE OF SHORTS AND GROUNDS.
- ALL SHIELDED WIRE MUST HAVE SHIELD CONTINUITY AT FULL LENGTH OF THE WIRE.
- ONLY SYSTEM WIRING CAN BE RUN IN THE SAME CONDUIT.
- 120VAC IS NOT PERMITTED IN THE SAME CONDUIT WITH LOW VOLTAGE WIRING.
- MAINTAIN MAXIMUM CONDUIT FILL RATIO AS PER APPLICABLE ELECTRICAL CODES REQUIREMENTS.
- EXISTING CONDUITS MAY BE USED BY THE INSTALLATION CONTRACTOR AS DEEMED NECESSARY; HOWEVER, ANY EXISTING CONDUIT WILL BE USED ONLY IF CONDUITS MEET CURRENT STANDARDS AND CODES.
- \*\*\*\*\* MAKES NO STATEMENTS WRITTEN OR VERBAL AS TO THE CONDITION OF EXISTING CONDUITS.

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#### LEGENDS

##### FIRE ALARM SYMBOL LEGEND

QTY	SYMBOL	DESCRIPTION	BRAND	MODEL	BACKBOX	WIRE TYPE	CSFM #
PANELS							
E	[FACP]	4100ES FIRE ALARM CONTROL PANEL, 120 VAC	SIMPLEX	4100-9111	SIMPLEX CABINET	N/A	7165-0026-0251
E	[NAC#]	4009 IDNET NAC EXTENDER PANEL, 120 VAC, BEIGE	SIMPLEX	4009-9201	SIMPLEX CABINET	N/A	7300-0026-0214
INITIATING DEVICES							
8	[S]	ADDRESSABLE PHOTOELECTRIC SMOKE SENSOR W/ STANDARD BASE	SIMPLEX	4098-9714 HEAD 4098-9792 BASE	4" OCT, 1-1/2" D	M	7272-0026-0218 7300-0026-0217
4	[H]	ADDRESSABLE STANDARD HEAT SENSOR W/ STANDARD BASE	SIMPLEX	4098-9733 HEAD 4098-9792 BASE	4" OCT, 1-1/2" D	M	7270-0026-0216 7300-0026-0217
NOTIFICATION APPLIANCES ** TAP ALL SPEAKERS AT 70.7 VOLTS **							
2	[C]	CONVENTIONAL MULTI-CANDELA HORN/STROBE, CEILING MOUNT, WHITE, CLEAR LENS, FIRE	SIMPLEX	4906-9130	4" SQ. 1-1/2" D	V	7125-0026-0317
2	[HWP]	CONVENTIONAL MULTI-TONE HORN, OUTDOOR, WALL MOUNT, RED, FIRE	SYSTEM SENSOR	HRK	SINGLE GANG 2" D		7125-0026-0380
MISCELLANEOUS DEVICES							
1	[SS]	OVERVOLTAGE SUPPRESSOR - IDNET OR POWER	SIMPLEX	2081-9044			7300-0026-0171
2	[SS]	TRANSIENT CUBE	SIMPLEX	2081-9028	4" SQ. 2-1/8" D		7300-0026-0171
5	[JB]	JUNCTION BOX	BY OTHERS	BY OTHERS			

##### FIRE ALARM WIRE LEGEND

CIRCUIT DESCRIPTION		CONSTRUCTION	GAUGE	CIRCUIT PROPERTIES	FPLR	FPLP	THHN	THFN	OUTD	Ct.
H	AUDIBLE CIRCUIT	UTP SOLID	14 AWG		X	X				
Hb	AUDIBLE - OUTDOOR	UTP SOLID	14 AWG		X	X			X	
M	IDNET	UTP SOLID	18 AWG	60µF MAX TOTAL LINE CAPACITANCE	X	X				
Mb	IDNET - OUTDOOR	UTP SOLID	18 AWG	DIRECT BURIAL/UNDERGROUND IN CONDUIT/AERIAL**	X	X			X	
V	VISUAL	UTP SOLID	14 AWG		X	X				
Vb	VISUAL - OUTDOOR	UTP SOLID	14 AWG	DIRECT BURIAL/UNDERGROUND IN CONDUIT/AERIAL**					X	
CONDUIT SIZE		MAX CONDUCTOR AREA		CONDUIT SIZE		MAX CONDUCTOR AREA				
1/2"		0.122 SQ. INCH*		1-1/4"		0.596 SQ INCH*				
3/4"		0.213 SQ. INCH*		1-1/2"		0.814 SQ INCH*				
1"		0.346 SQ INCH*		2"		1.342 SQ INCH*				
* 40% CONDUIT FILL PER N.E.C.										
STP = SHIELDED TWISTED PAIR										
ITEMS SUCH AS CAPACITANCE BETWEEN CONDUCTORS AND WIRE GAUGE CAN BE CRUCIAL TO THE CIRCUIT DESIGN OF THIS SYSTEM INSTALLATION. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR SELECTING AND INSTALLING CABLE MANUFACTURER AND MODEL THAT MEETS OR EXCEEDS THE ABOVE REQUIREMENTS. RECOMMENDED CABLE MANUFACTURERS AND MODEL NUMBERS ARE AVAILABLE UPON REQUEST.										

#### APPLICABLE CODES & STANDARDS

JURISDICTIONS WITHIN THE STATE MAY HAVE AMENDMENTS TO THE STATE ADOPTED CODE. CHECK WITH THE LOCAL JURISDICTION AUTHORITY FOR MORE DETAILS.

2019 CALIFORNIA ADMINISTRATIVE CODE(CAC) TITLE 24, PART 1, CALIFORNIA CODE OF REGULATIONS(CCR)

2019 CALIFORNIA BUILDING CODE(CBC) TITLE 24, PART 2, CCR (BASED ON THE 2018 INTERNATIONAL BUILDING CODE(IBC))

2019 CALIFORNIA ELECTRICAL CODE(CEC) TITLE 24, PART 3, CCR (BASED ON THE 2017 NATIONAL ELECTRIC CODE(NEC))

2019 CALIFORNIA MECHANICAL CODE(CMC) TITLE 24, PART 4, CCR (BASED ON THE 2018 UNIFORM MECHANICAL CODE(UMC))

2019 CALIFORNIA PLUMBING CODE(CPC) TITLE 24, PART 5, CCR (BASED ON THE 2018 UNIFORM PLUMBING CODE(UPC))

2019 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24, CCR

2019 CALIFORNIA HISTORICAL BUILDING CODE (CHBC) PART 8, TITLE 24, CCR

2019 CALIFORNIA FIRE CODE(CFC) TITLE 24, PART 9, CCR (BASED ON THE 2015 INTERNATIONAL FIRE CODE(IFC))

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN) PART 11, TITLE 24, CCR

2019 CALIFORNIA REFERENCED STANDARDS CODE (CRSC) PART 12, TITLE 24, CCR

2019 NFPA 72 WITH 2016 CALIFORNIA AMENDMENTS

ABBREVIATIONS:  
CSFM = CALIFORNIA STATE FIRE MARSHAL

**OCCUPANCY TYPE(S):**  
E EDUCATIONAL GROUP

**SPRINKLER PROTECTION:**  
BUILDING IS NOT SPRINKLERED

#### SCOPE OF WORK

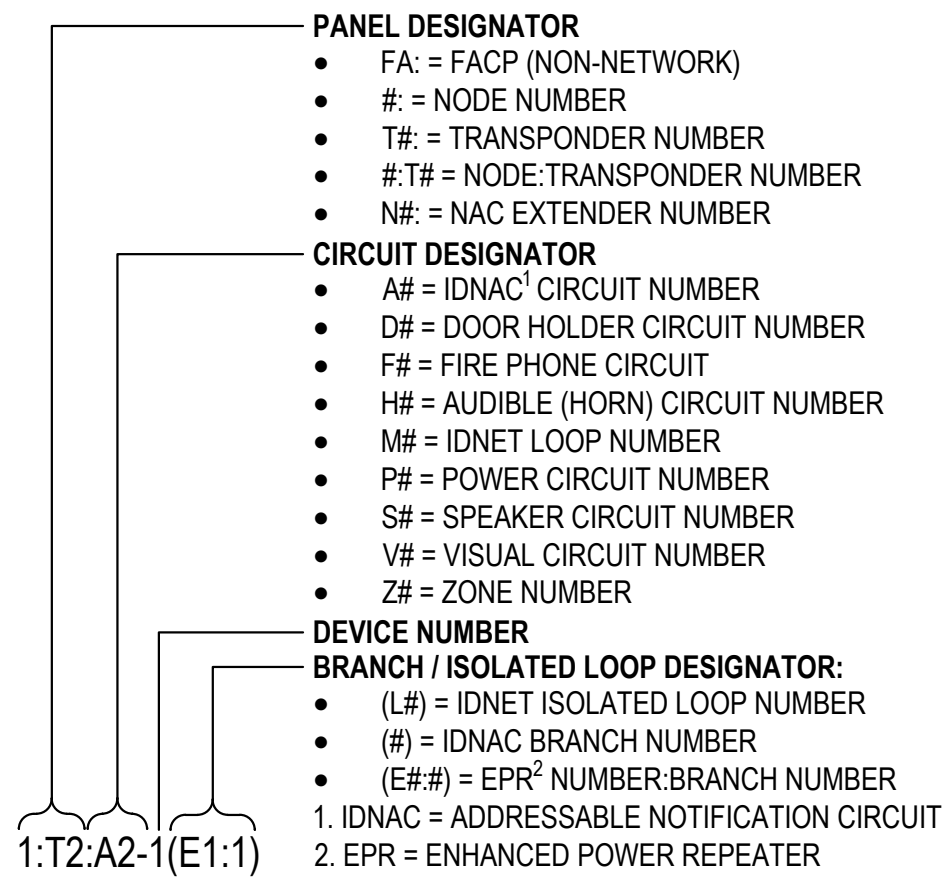
PROVIDE AND INSTALL NEW INITIATION AND NOTIFICATION DEVICES FOR NEW RELOS 15 AND 16. CONNECT TO EXISTING SYSTEM AS SHOWN ON DRAWINGS.

ALL WIRING TO BE CLASS B NOTIFICATION APPLIANCE CIRCUITS, INITIATING DEVICE CIRCUITS, AND SIGNALING LINE CIRCUITS.

AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UJUS UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY THE OWNER.

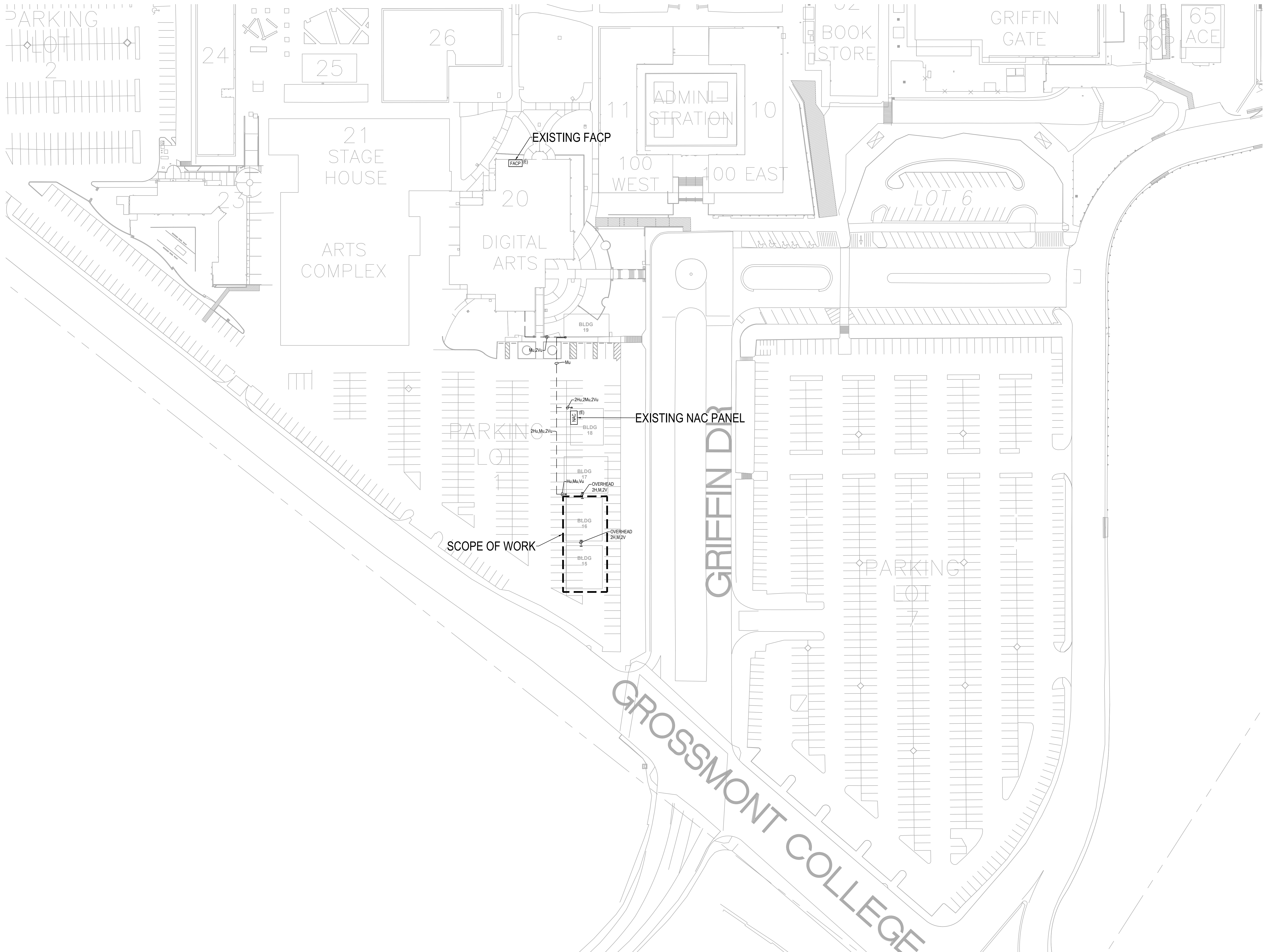
#### SYSTEM SEQUENCE OF OPERATIONS

SYSTEM INPUTS																
SYSTEM OUTPUTS																
ACTIVATE COMMON ALARM SIGNAL INDICATOR																
ACTIVATE AUDIBLE ALARM SIGNAL																
ACTIVATE COMMON SUPERVISORY SIGNAL INDICATOR																
ACTIVATE AUDIBLE SUPERVISORY SIGNAL																
ACTIVATE COMMON TROUBLE SIGNAL INDICATOR																
ACTIVATE AUDIBLE TROUBLE SIGNAL																
ACTIVATE APPROPRIATE LOCATION INDICATOR																
ACTIVATE ALL AUDIBLE EVACUATION SIGNALS																
ACTIVATE ALL VISIBLE EVACUATION SIGNALS																
UNUSED																
DISPLAY CHANGE OF STATUS																
TRANSMIT ALARM SIGNAL TO SUPERVISING STATION																
TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION																
TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION																
UNUSED																
UNUSED																
UNUSED																
UNUSED																
UNUSED																
UNUSED																
UNUSED																
SYSTEM SEQUENCE OF OPERATIONS																
SYSTEM INPUTS																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SMOKE SENSOR/DETECTOR	X	X														
HEAT SENSOR/DETECTOR	X	X														
FIRE ALARM AC POWER FAILURE						X	X							X		
FIRE ALARM SYSTEM LOW BATTERY						X	X							X		
OPEN CIRCUIT OR GROUND FAULT						X	X							X		
CLASS B NOTIFICATION CIRCUIT (NAC) - SHORT						X	X							X		





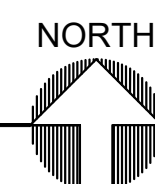
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1

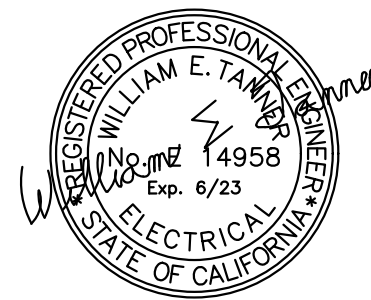
FIRE ALARM SITE PLAN

1" = 40'-0"



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TE#3906



PROJECT:

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

SHEET TITLE:

**FIRE ALARM  
SITE PLAN**

REVISIONS:	DATE:
90% Set	11/07/2022
100% Set	01/13/2023

DATE: 09-29-2022	PROJECT NO. 3906
DRAWN BY: UN	CHECKED BY: RG
SCALE: AS NOTED	
SHEET NO.	

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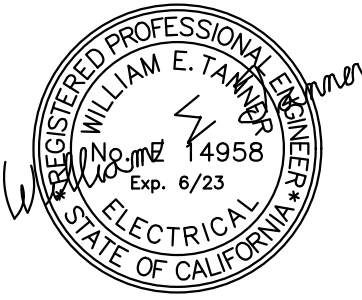
SHEET NOTES

◇ INTERCEPT EXISTING CIRCUITS AND EXTEND TO NEW RELOS AS SHOWN



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TE#3906



PROJECT:

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

SHEET TITLE:

**FIRE ALARM  
PLAN**

REVISIONS:	DATE:
90% Set	11/07/2022
100% Set	01/13/2023

DATE: 09-29-2022	PROJECT NO. 3906
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SCALE: AS NOTED

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EXISTING MODULER  
BUILDING

MODULER BUILDING  
(16-100)

MODULER BUILDING  
(15-100)

**1**

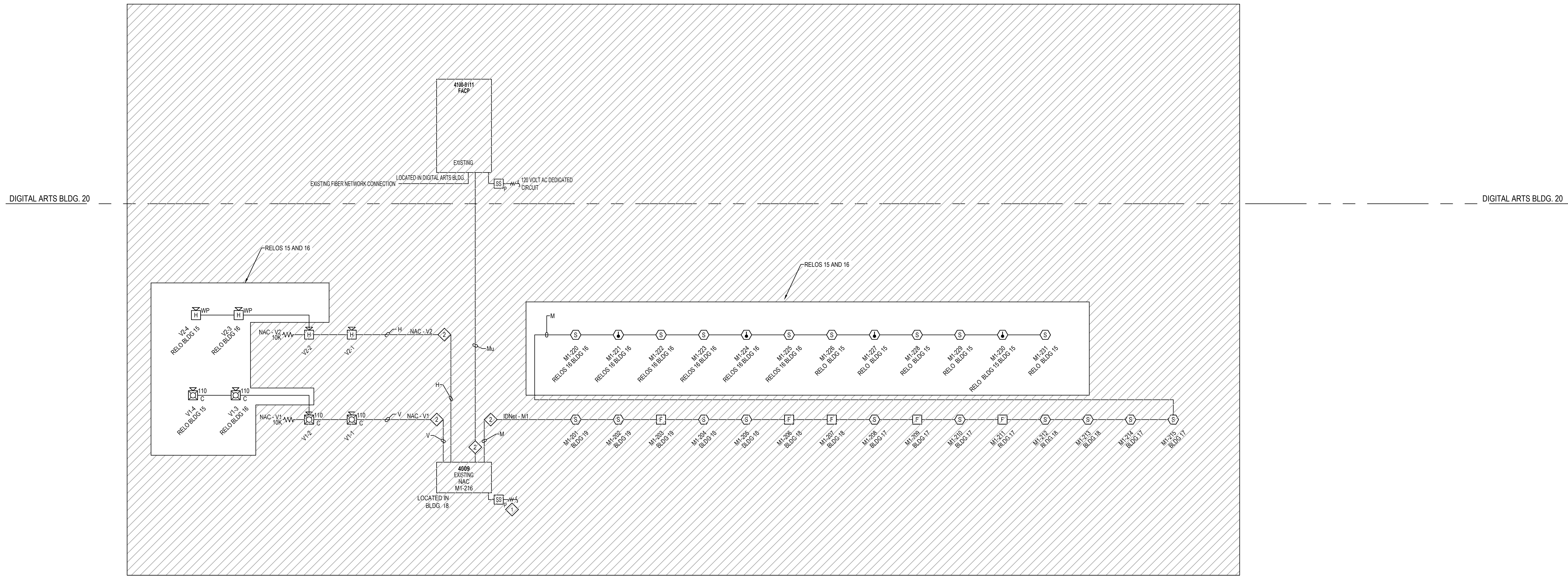
**FIRE ALARM DEVICE PLACEMENT PLAN**

1/8" = 1'-0"



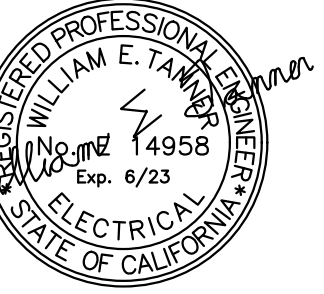


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TE#3906



PROJECT:

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

SHEET TITLE:

**FIRE ALARM  
RISER  
DIAGRAM**

REVISIONS:	DATE:
90% Set	11/07/2022
100% Set	01/13/2023

DATE: 09-29-2022	PROJECT NO. 3906
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SCALE: AS NOTED	

SHEET NO.  
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Grossmont College Digital Arts Building 4100U Battery Calculations						
Module	Qty	Description	Battery Set #	Standby Current	Total Standby	Alarm Current
Existing Panel Equipment						
4100-9111	1	4100U CONFIG DOMESTIC 120V		0.373000	0.373000	0.470000
4100-6032	1	EVENT REPORTING DACT		0.030000	0.030000	0.040000
4100-5100	1	TrueAlert Power Supply 3 Channel, 120V		0.080000	0.080000	0.100000
4100-5014	1	NETWORK IP CARGO WIRED		0.045000	0.045000	0.045000
4100-6057	2	NETWORK MEDIA CARD FIBER OPTIC		0.025000	0.050000	0.050000
Total Panel Sbtly				0.597000		0.706000
Existing Peripheral Devices						
4904-8339	23	TRUEALERT 15CD VISIBLE ONLY WHITE CEILING		0.000200	0.004600	0.080000
4904-9380	1	TRUEALERT 75CD VISIBLE ONLY WHITE CEILING		0.000200	0.000200	0.227000
4903-8459	10	TRUEALERT 15CD AUDIBLE/VISIBLE WHITE CEILING		0.000200	0.002000	0.100000
4903-8460	15	TRUEALERT 75CD AUDIBLE/VISIBLE WHITE CEILING		0.000200	0.003000	0.241000
4903-8461	1	TRUEALERT 110CD AUDIBLE/VISIBLE WHITE CEILING		0.000200	0.000200	0.319000
4903-8469	4	TRUEALERT 15CD AUDIBLE/VISIBLE RED		0.000200	0.000800	0.239000
4903-8451	1	TRUEALERT 75CD AUDIBLE/VISIBLE RED		0.000200	0.000200	0.193000
4903-8452	1	TRUEALERT 110CD AUDIBLE/VISIBLE RED		0.000200	0.000200	0.239000
4905-8816	4	TRUEALERT ADAPTER MODULE		0.000425	0.001700	0.018000
4900-8002	12	IDNET RELAY IAM	*	0.000000	0.000000	0.000000
4908-8792	151	TRUEALARM SENSOR BASE	*	0.000000	0.000000	0.000000
4908-8714	183	TRUEALARM PHOTO SMOKE SENSOR		0.000000	0.000000	0.000000
4908-8733	32	TRUEALARM HEAT SENSOR		0.000000	0.000000	0.000000
4908-9001	8	IDNET SUPERVISED IAM	*	0.000000	0.000000	0.000000
4908-9001	4	IDNET SINGLE ACTION PULL STATION	*	0.000000	0.000000	0.000000
4908-8756	12	TRUEALARM DUCT SMOKE SENSOR W/ RELAY OUTPUT	*	0.002400	0.028800	0.019000
4908-8843	12	ENCAPSULATED RELAY PAM SD		0.002400	0.028800	0.018000
4900-9101	1	IDNET CLASS B MONITOR ZAM	*	0.016000	0.016000	0.072000
4900-9201	1	IDNET SINGLE ACTION PULL STATION	*	0.000000	0.000000	0.000000
NEW Peripheral Devices						
4908-8714	8	TRUEALARM PHOTO SMOKE SENSOR		0.000000	0.000000	0.000000
4908-8733	4	TRUEALARM HEAT SENSOR		0.000000	0.000000	0.000000
4908-8792	12	TRUEALARM SENSOR BASE	*	0.000000	0.000000	0.000000
Existing Wireless and Wireless Peripherals Requiring System Power						
MT-1224-R	4	Whisper Multitone Electronic Horn, Weatherproof		0.000000	0.000000	0.038000
SBR	1	FireRay Beam Detector		0.004000	0.004000	0.014000
Total Periph Sbtly				0.0080		0.0520
Total Standby Amps				0.678		0.758
Total Alarm Amps						0.758
Quantity Of Back-up Amplifiers						0
* Current Draw Included With Device Addresses Used (See additional current draws)						
1. Not Used						
2. Not Used						

ADDED

Battery Set #1 (Cabinet/Charger #1)		Qty	Standby Current	Alarm Current
Cabinet #1 Card Power			0.887	0.706
Current Draw For 100 Watt Or 95 Watt Amplifiers		0	0.000	0.000
Current Draw For Flex 50 Watt Amplifiers		0	0.000	0.000
Power For External Peripheral Devices			0.09000	0.09000
Additional Current Draws			0.678	0.312
MAPNET/IDNet Device Addresses ordered / used		184	0.147	0.184
Spare addressable point capacity included for battery calc		0%	0.000	0.000
Additional Battery Capacity Required		20%	0.165	0.099
Standby Time = 24 Hrs			23.751	Standby Ah
Alarm Time = 5 Mins			1.050	Alarm Ah
Qty (2) 12VDC Battery Supplied 2081-9272 6.2AH (2x)			31.138	Total Ah

GROSSMONT CC BLDG-18 4009 NAC						
Module	Qty	Description	Standby Current	Total Standby	Alarm Current	Total Alarm
Panel Equipment						
4009-9201	1	4009 IDNET NAC EXTENDER, 120 VAC	0.0850	0.0850	0.1850	0.1850
Panel Totals				0.0850		
Notification Appliances						
Setting						
4009-9130	4	AV/MC NON-ADDRESS, WHT, CEILING	110	0.0000	0.0000	1.2800
HRK	4	HORN, RED, OUTDOOR, MEDIUM SETTING	MED	0.0000	0.0000	0.2760
Peripheral Totals				0.0000		1.5560
RUI Totals			0	0.0000		0.0000
Address Totals			0	0.0000		0.0000
System Totals*			Standby	0.0850	Alarm	1.7410

Battery Set #1 (Cabinet/Charger #1)		Standby Current	Standby Total	Alarm Current	Alarm Total
Select ALL Power Supplies on this battery set:					
4009			0.0850		1.7410
Sub Total			0.0850		1.7410
Additional Current Draws:					
RUI Connected Peripheral Devices		0	x 0.0035	= 0.0000	x 0.0035 = 0.0000
MAPNET/IDNet Device Address Communication Current		0	x 0.000000	= 0.0000	x 0.000000 = 0.0000
Sub Total			0.0850		1.7410
Spare addressable point capacity		0%	0	x 0	= 0.0000
Total			0.0850		1.7410
Standby Time = 24 Hrs		x 0.0850	= 2.0400	Standby Ah	
Alarm Time = 5 Min		0.08333 x 1.741	= 0.1451	Alarm Ah	
Additional Spare Battery Capacity =		0%		0.0000	
Battery Discharge Factor =		20%		0.4270	
Minimum Battery Required 2081-9272 6.2AH (2x)				2.1851	
Battery Supplied 2081-9272 6.2AH (2x)				4.2701	

\* System Totals represent total system current requirements. Those currents may be distributed between multiple battery sets or power supplies as shown above.

VOLTAGE DROP SUMMARY				
Plan Circuit	Description	Load	% Drop	
V1	RELO BLDG 18/17 15/16	SIG1 1.280A	8.20%	
V2	RELO BLDG 18/17 15/16	SIG2 0.276A	2.51%	
V3		SIG3 0.000A	0.00%	
V4		SIG4 0.000A	0.00%	
		1.556A	Total	

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

V1 Distributed Load Voltage Drop						
Allowable % Drop:		21.6%	Wire Res. Per Ft.		0.003070	@ 75° Celsius
Wire Gauge:		14ga	Min. Device Voltage:		16.vdc	
Starting Voltage:		28.4vdc	% Voltage Drop		8.20%	
Circuit Capacity:		2.A	Normal Operation			
Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device
V1-1	4908-9130	110	35	0.320	0.275	20.12
V1-2	4908-9130	110	205	0.320	1.483	19.92
V1-3	4908-9130	110	50	0.320	1.680	18.72
V1-4	4908-9130	110	100	0.320	1.876	18.52
Totals:			390 FT.	1.280A		

SCOPE OF WORK

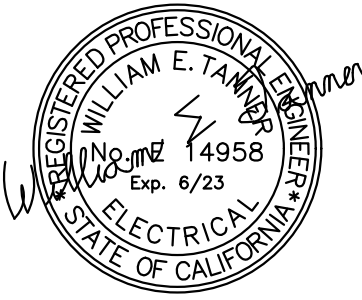
V2 Distributed Load Voltage Drop						
Allowable % Drop:		21.6%	Wire Res. Per Ft.		0.003070	@ 75° Celsius
Wire Gauge:		14ga	Min. Device Voltage:		16.vdc	
Starting Voltage:		28.4vdc	% Voltage Drop		2.51%	
Ckt Capacity:		2.A	Normal Operation			
Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device
V2-1	HRK	MED	50	0.069	0.104	20.30
V2-2	HRK	MED	250	0.069	0.424	19.98
V2-3	HRK	MED	50	0.069	0.468	19.93
V2-4	HRK	MED	100	0.069	0.511	19.89
Totals:			450 FT.	0.276A		

SCOPE OF WORK



**Tanner Engineering**  
Consulting Electrical Engineers  
5250 JACKSON DR., STE. 200 TEL: 619 715 1400  
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TE#3906



PROJECT:

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

SHEET TITLE:

**FIRE  
ALARM  
CALCULATIONS**

REVISIONS:	DATE:
90% Set	11/07/2022
100% Set	01/13/2023

DATE: 09-29-2022	PROJECT NO. 3906
DRAWN BY: UN	CHECKED BY: RG
SCALE: AS NOTED	
SHEET NO.	

**FA1.2**

DRAWING NO. OF



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SCOPE OF WORK

IF OPTIONAL SHIELDS ARE USED FOR IDNet WIRING.  
FOLLOW THESE PRECAUTIONS.

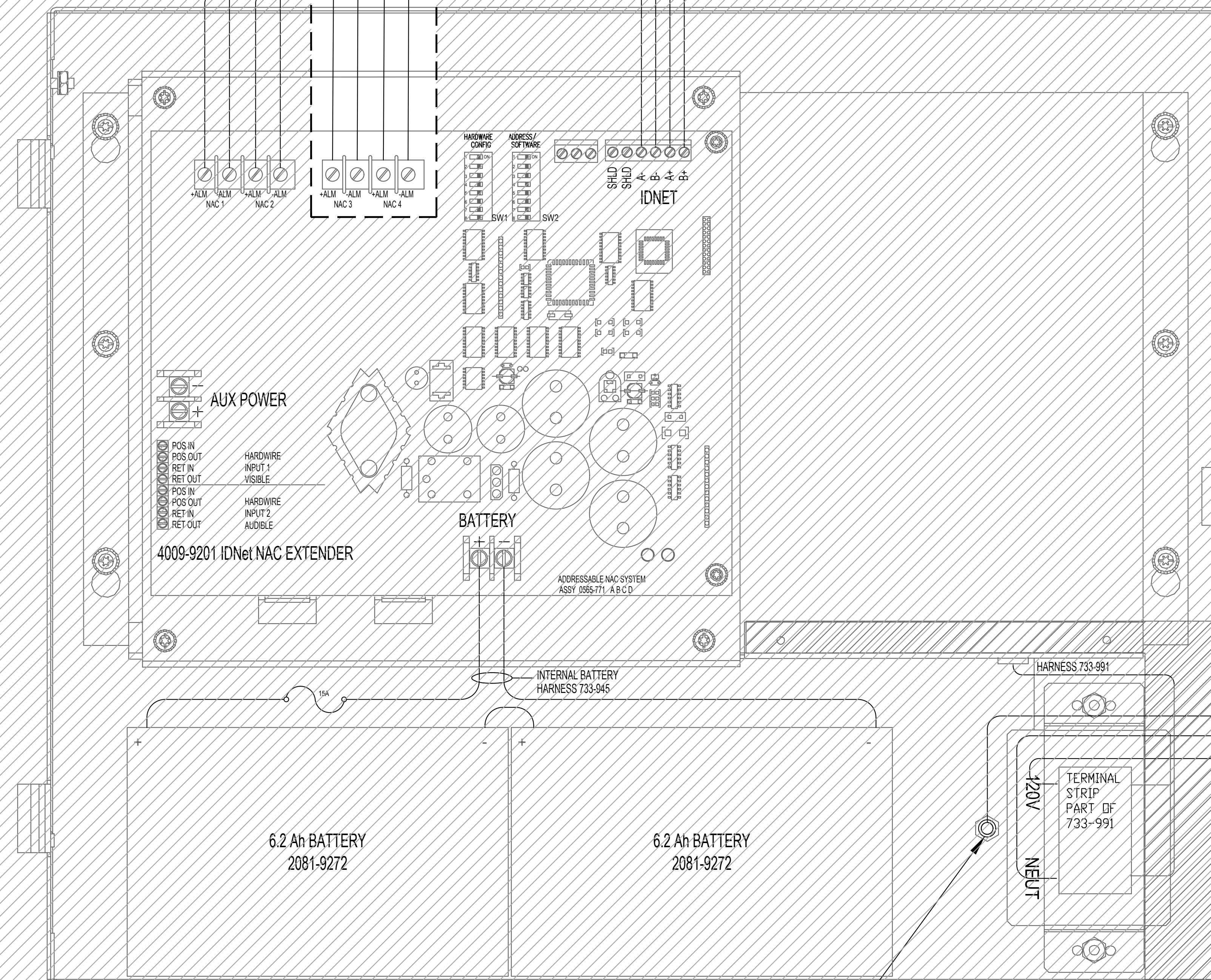
1. IF IDNet WIRING CONTINUES ON TO ANOTHER DEVICE,  
TAPE SHIELDS TOGETHER. DO NOT TERMINATE SHIELD  
AT 4009 IDNet.
2. IF IDNet WIRING TERMINATES AT 4009, TAPE SHIELD. DO  
NOT TERMINATE SHIELD AT 4009 IDNet.

FROM PREVIOUS IDNet DEVICES  
OR HOST IDNet CONTROL PANEL

TO ADDITIONAL IDNet DEVICES  
OR RETURN TO HOST IDNet CONTROL PANEL

IDNet CONTROLLER ADDRESS: M1-216

HORNS BLDGS 15-16  
AV BLDGS 15-16  
HORNS BLDGS 17-18  
AV BLDGS 17-18

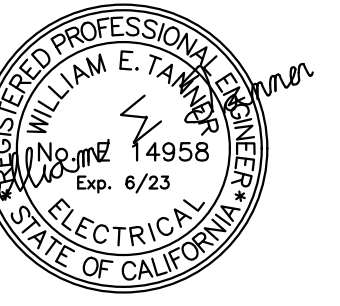


CONNECT A 12 AWG COPPER GROUND WIRE FROM SAFETY  
GROUND IN THE ELECTRICAL DISTRIBUTION PANEL TO  
THE 4009 SAFETY GROUND STUD.



**Tanner Engineering**  
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TE#3906



PROJECT:

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

SHEET TITLE:

**FIRE  
ALARM  
NAC  
PANEL  
DETAIL**

REVISIONS:	DATE:
90% Set	11/07/2022
100% Set	01/13/2023

DATE: 09-29-2022	PROJECT NO. 3906
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SCALE: AS NOTED	
SHEET NO.	

**FA1.3**

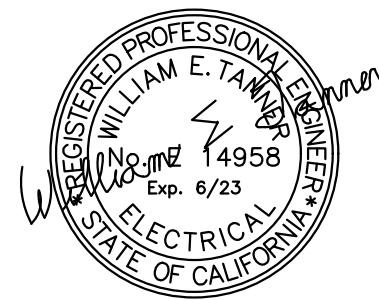
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TE#3906



PROJECT:

**GROSSMONT CUYAMACA  
COMMUNITY COLLEGE DISTRICT  
MULTIPLE MODULAR BUILDING AND  
BUILDING 70 REMODEL**

SHEET TITLE:

**FIRE ALARM  
WIRING  
TYPICALS**

REVISIONS:	DATE:
90% Set	11/07/2022
100% Set	01/13/2023

DATE: 09-29-2022	PROJECT NO. 3906
DRAWN BY: UN	CHECKED BY: RG

SCALE: AS NOTED

SHEET NO.

**FA1.4**

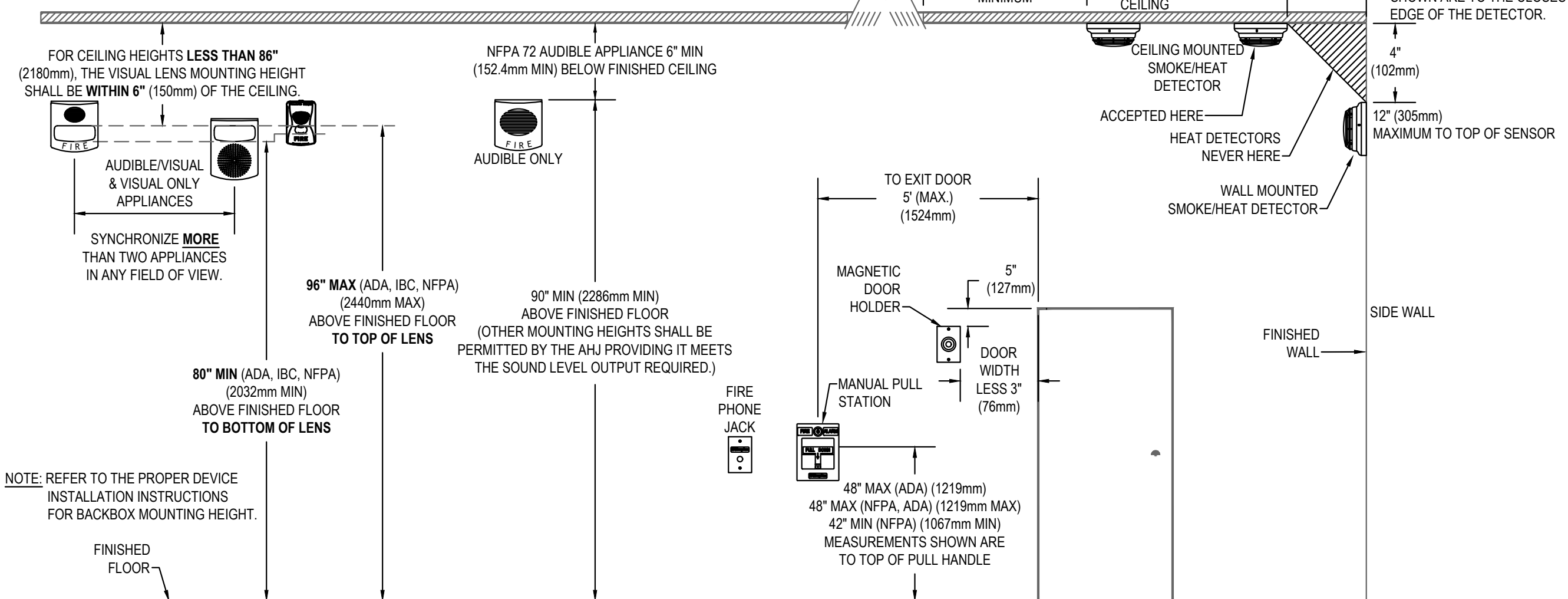
DRAWING NO. OF

## DEVICE MOUNTING HEIGHT REFERENCE

PER NFPA 72

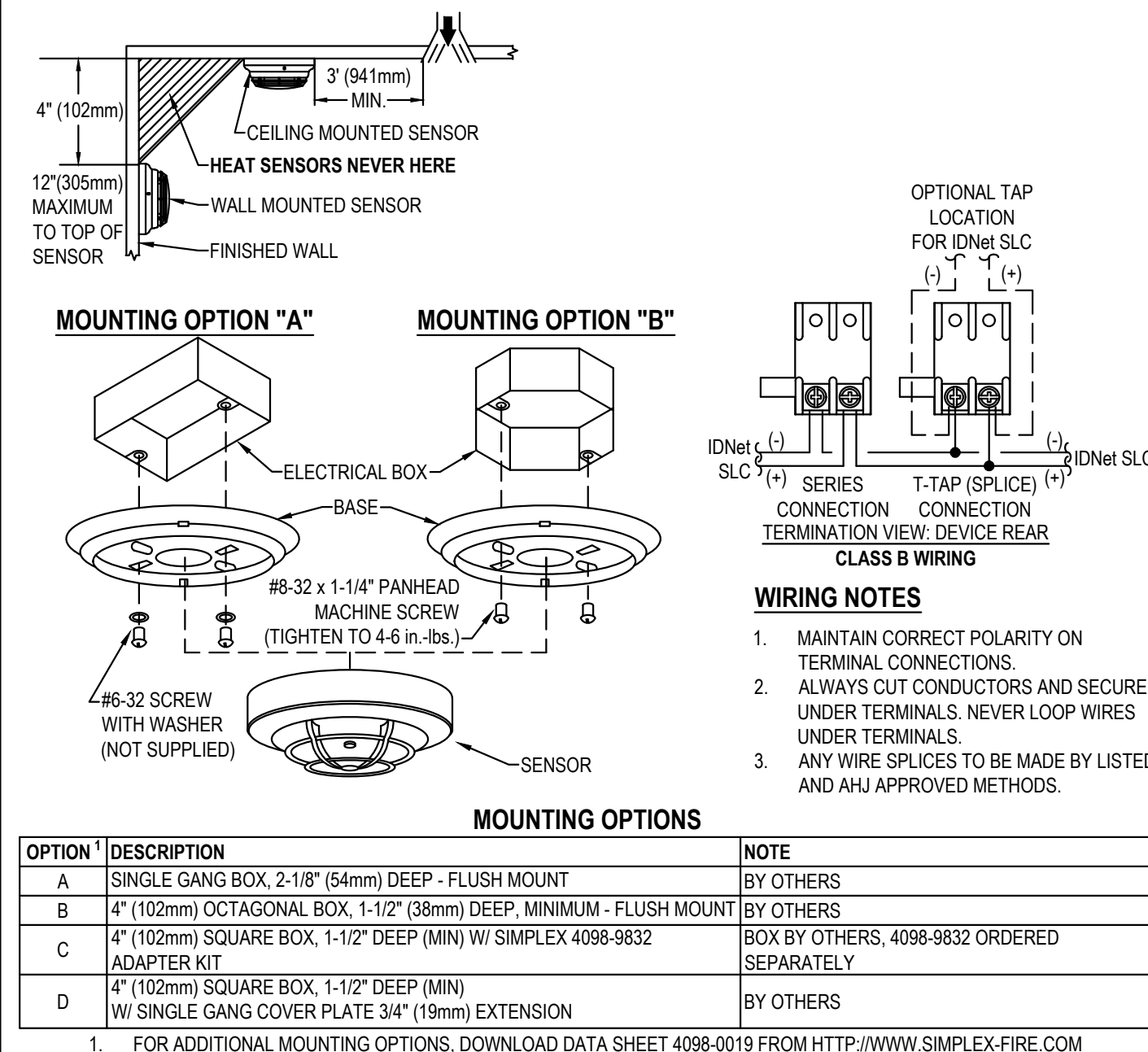
VISUAL APPLIANCE MOUNTING HEIGHT CONSIDERATIONS IN SLEEPING ROOMS

- MIN DISTANCE IN SLEEPING ROOMS IS 24" (610mm) FROM CEILING TO TOP OF LENS FOR 1100CD STROBES WITHIN 16' OF THE PILLOW
- 1770CD STROBES, USED IN SLEEPING ROOMS, CAN BE WITHIN THE 24" (610mm) MINIMUM DISTANCE FROM THE CEILING, THE HIGHER INTENSITY IS TO COMPENSATE FOR A POSSIBLE SMOKE LAYER.



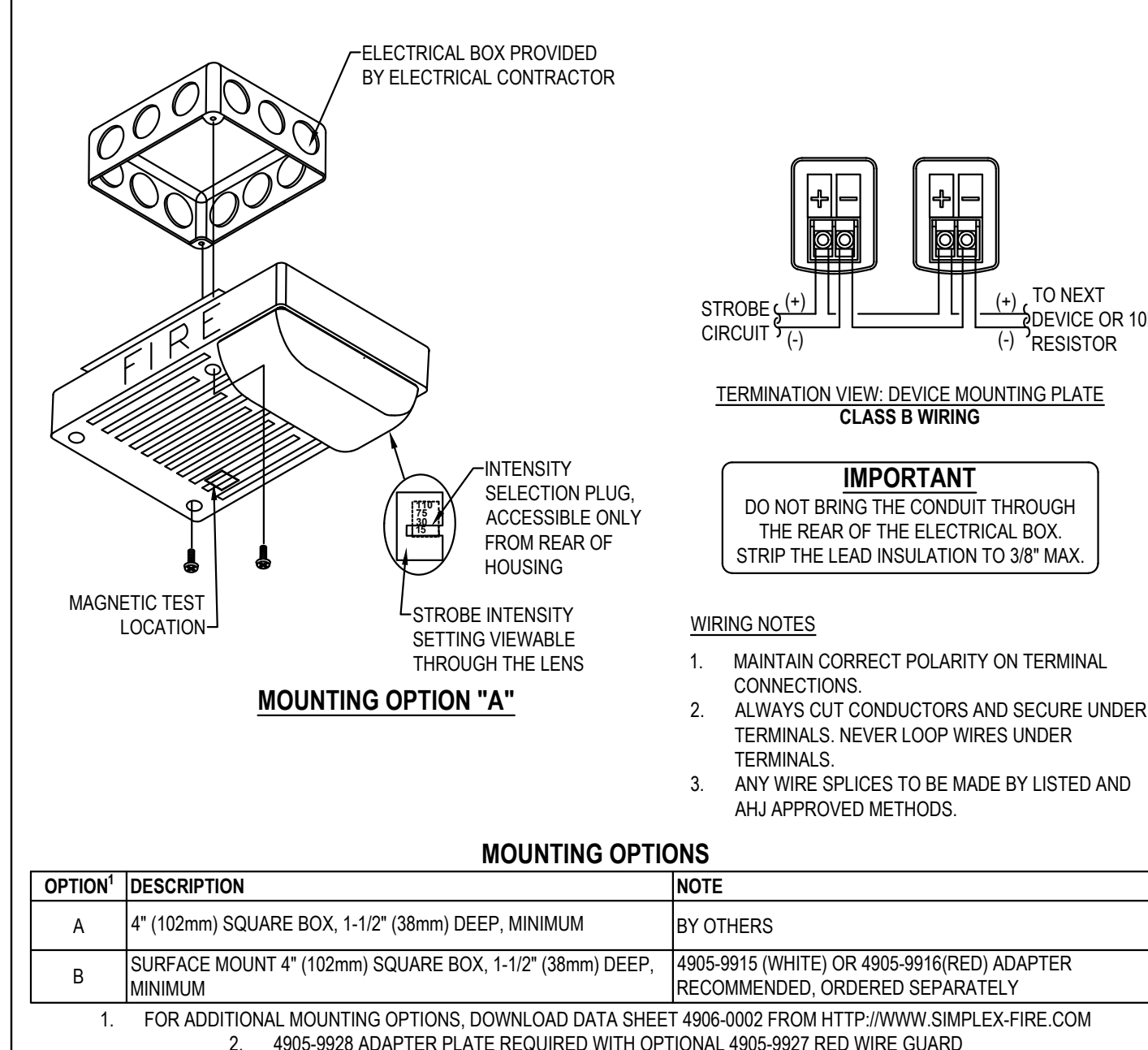
## STANDARD SENSOR BASE

SIMPLEX 4098-9792

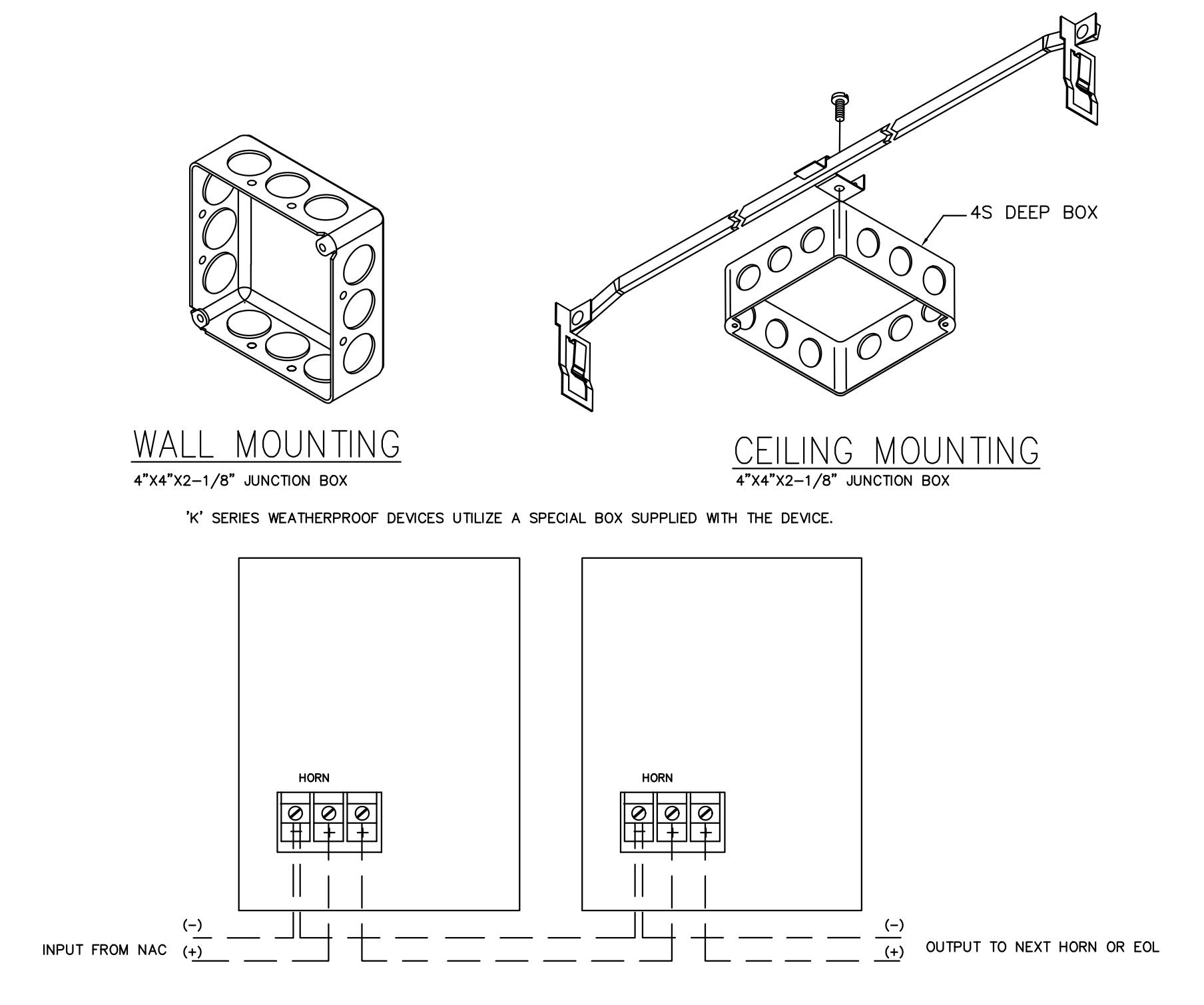


## TrueAlert CONVENTIONAL APPLIANCES

SIMPLEX 4906 SERIES CEILING MOUNTED AUDIBLE / VISUAL

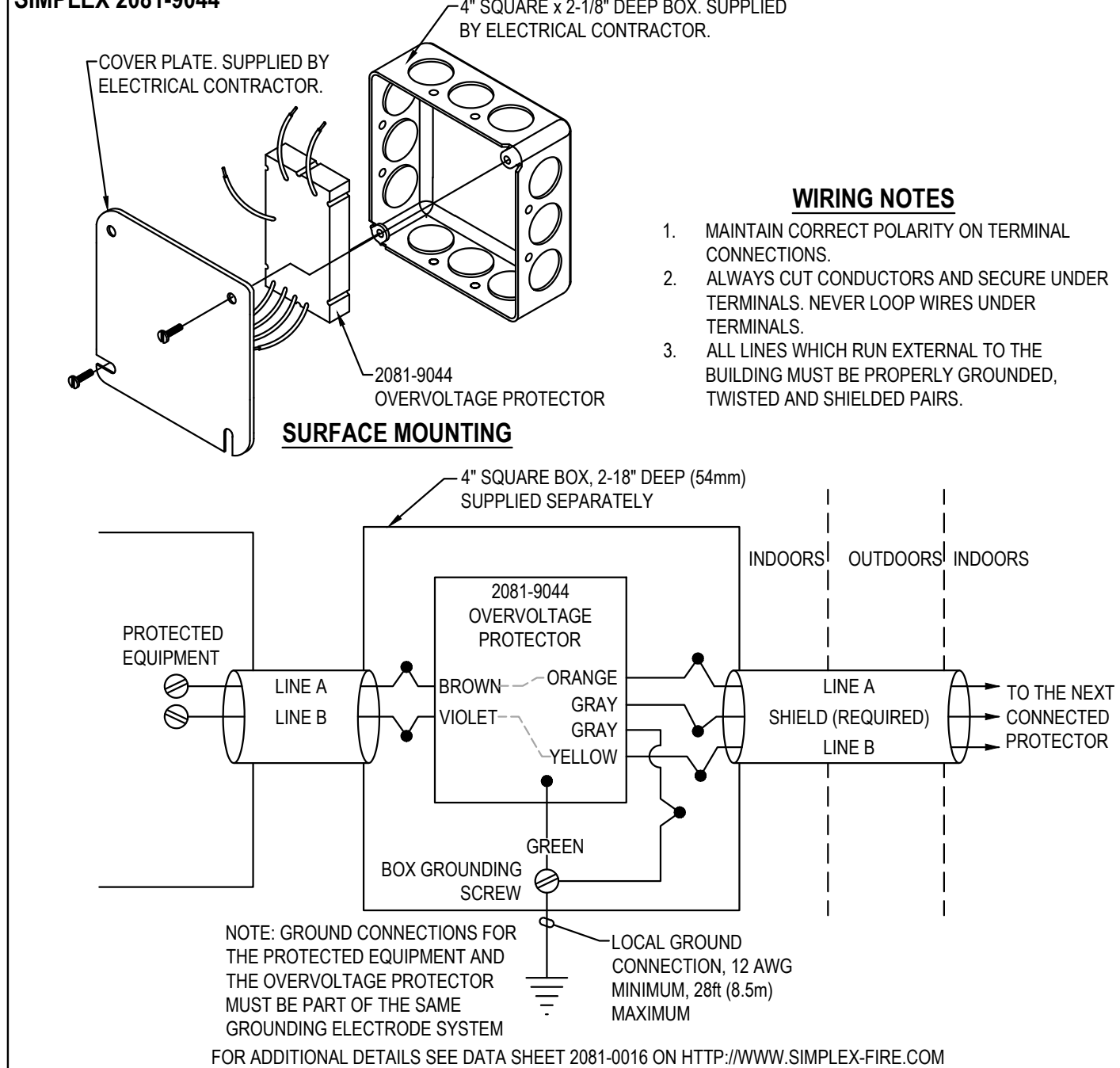


## SYSTEM SENSOR SPECTRALERT ADVANCE HRK SERIES HORNS



## OVERVOLTAGE PROTECTOR

SIMPLEX 2081-9044



## ISOLATED LOOP CIRCUIT PROTECTOR

SIMPLEX 2081-9028

