

GROSSMONT COLLEGE

SWING SPACE PARKING LOT 1

8800 GROSSMONT COLLEGE DRIVE EL CAJON, CA 92020

TITLE SHEET

AREA PLAN

SECTION

BLDG. 70

DETAILS

DETAILS

TITLESHEET

POWER PLAN

ACCESSIBILITY NOTES

BLDG. 16 FLOOR PLAN

BLDG. 15 FLOOR PLAN

EXTERIOR ELEVATIONS

EXTERIOR ELEVATIONS

GROSSMONT SITE PLAN

BLDG. 15 AND 16 POWER AND DATA

BUILDING 70 POWER AND DATA

PARTIAL SINGLE LINE DIAGRAM

FIRE ALARM COVER SHEET

FIRE ALARM RISER DIAGRAM

FIRE ALARM CALCULATIONS

FIRE ALARM WIRING TYPICALS

FIRE ALARM NAC PANEL DETAILS

FIRE ALARM PLAN

ACCESSIBILITY NOTES (CONT.)

GROSSMONT COLLEGE CAMPUS PLAN

SITE PLAN / ACCESSIBLE PATH OF TRAVEL

PROJECT NAME

ISSUES REVISIONS

COLLEGE SSMONT

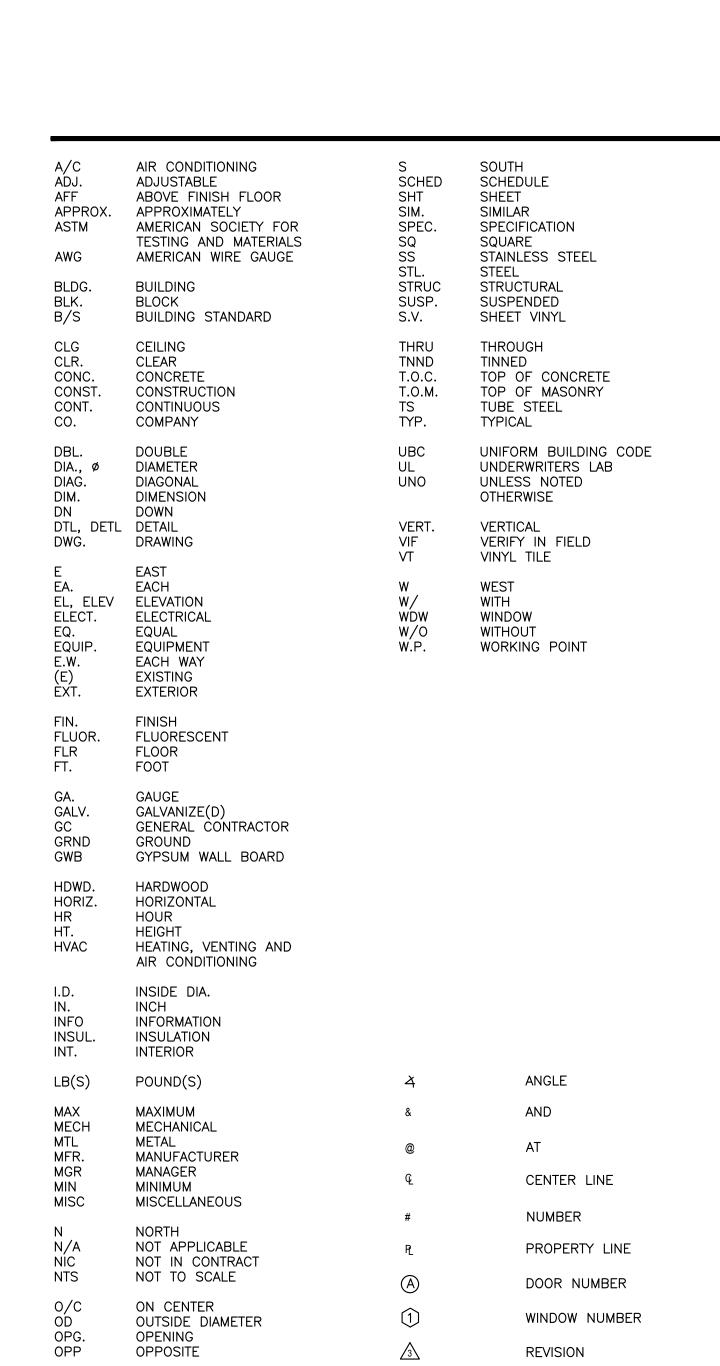
SHEET INFORMATION

DI DONATO ASSOCIATES

ARCHITECTURE + GRAPHICS

TITLE SHEET

PROJECT # 1902.13



9

KEY NOTE

ELEVATION REFERENCE

DETAIL REFERENCE

SECTION REFERENCE

PLYWOOD

PROJECT

PROPERTY

REQUIRED

PRESSURE TREATED

ROUGH OPENING

ABBREVIATIONS AND SYMBOLS

PROP

REQ'D

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
- 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
- 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
- 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

805

DIEGO

VICINITY MAP

NOTES

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

GROSSMONT

o SDSU

COLLEGE '

PROJECT INFORMATION

PROJECT DESCRIPTION:

PROJECT OWNER:

PUBLIC AGENCY

EL CAJON, CA 92020

619.644.7010 PHONE

502-040-05-00

EXISTING ZONE: R1-6 & R1-6H

STATE OF CALIFORNIA

LEASE IN PUBLIC LAND

GROSSMONT-CUYAMACA

COMMUNITY COLLEGE DISTRICT/

ASSESSOR'S PARCEL NUMBER:

GROSSMONT COMMUNITY COLLEGE

116.88 ACRES (5091293 SF)

8800 GROSSMONT COLLEGE DRIVE

THE PROJECT CONSISTS OF SITE PREPARATION AND UTILITY HOOK-UPS FOR THE

CONSTRUCTION TYPE:

EXISTING OCCUPANCY: NONE

PROPOSED OCCUPANCY:

TYPE V-B

EXISTING USE: NONE

PROPOSED USE: RESTROOM

PLACEMENT OF A PRE-MANUFACTURED MOBILE CLASSROOM.

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

2023 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R

2023 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R

2023 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R

2023 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R

2023 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS

2023 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R

2023 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R

2023 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R

(2018 NATIONAL ELECTRIC CODE AND 2019 CALIFORNIA AMENDMENTS)

(2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)

(2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)

(2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)

(2018 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2019 CALIFORNIA AMENDMENTS)

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#	DESCRIPTION OF TYPE OF INSPECTION REQUIRED	DESIGN STRENGTH
		1

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.

SHEET INDEX

• EL CAJON o CUYAMACA COLLEGE

LAKESIDE

o JAMUL

THOMAS BROTHER'S MAP #1251-A2

SANTEE

STATEMENT OF GENERAL CONFORMANCE

PLOT SCALE 1:1 (24x36 'D' SIZE)

GENERAL ACCESSIBILITY NOTE:
ALL WORK SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE, 2016 EDITION AND WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG). IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

SITE DEVELOPMENT AND THE ACCESSIBLE ROUTE OF TRAVEL

NOTE: ACCESSIBLE ROUTE OF TRAVEL IS DEFINED AS "A CONTINUOUS UNOBSTRUCTED PATH
CONNECTING ALL ACCESSIBLE ELEMENTS AND SPACES IN AN ACCESSIBLE BUILDING OR FACILITY
THAT CAN BE NEGOTIATED BY A PERSON WITH A SEVERE DISABILITY USING A WHEELCHAIR AND
THAT IS ALSO SAFE FOR AND USABLE BY PERSONS WITH OTHER DISABILITIES, AND THAT IS
CONSISTENT WITH THE DEFINITION OF "PATH OF TRAVEL" IN SECTION 217 (CBC 1102B).

- 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 AT LEAST ONE ACCESSIBLE ROUTE 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 TO THE MAXIMUM EXTENT FEASIBLE, COINCIDING WITH
- THE ROUTE FOR THE GENERAL PUBLIC. (CBC 1114B.1.2 AND 1127B.1)

 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.

ACCESSIBILITY NOTES - GENERAL

1112

WALKS & SIDEWALKS

- 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 133B.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 1133B7.6)

 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.7.1.1)
 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(a))
- 118—78(a))

 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 113B.8.1)
- 13. PROVIDE A 36" WIDE DETECTABLE 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)
- 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.

ACCESSIBILITY NOTES - WALKS + SIDEWALKS



<u>PARKING</u>

- 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-18 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)

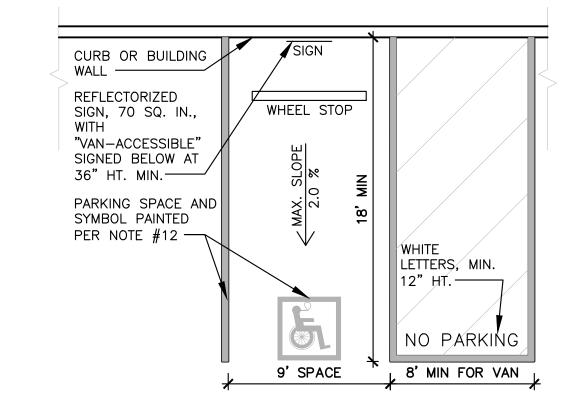
PARKING (CONT.)

- 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.

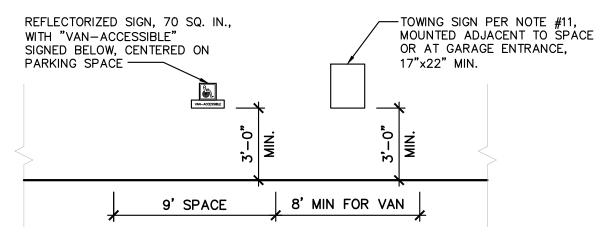
 12. IDENTIFY EACH ACCESSIBLE PARKING SPACE SURFACE BY PAINTING THE SPACE IN BLUE AND OUTLINING IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR WITH OCCUPANT, OR, BY OUTLINING THE SPACE IN BLUE AND OUTLINING A 36" X 36" PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON A BLUE BACKGROUND LOCATED SO TO BE VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A
- VEHICLE IS PROPERLY PARKED IN THE SPACE. (CBC 118A.5.1 & 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 VAN ACCESSIBLE. ALL SUCH SPACES MAY BE GROUPED ON ONE LEVEL OF A PARKING STRUCTURE (CBC 1129.4.2).

PARKING PLAN (VAN-ACCESSIBLE)



PARKING ELEVATION (VAN-ACCESSIBLE)



ACCESSIBILITY NOTES - PARKING

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)

- 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 ROUTE, SHALL NOT EXCEED 1:20 WITHIN 4' OF THE TOP AND BOTTOM OF THE CURB RAMP. THE SLOPE OF THE FANNED OT 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, SUCH 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 THEN 1 VERTICAL TO 15 HORIZONTAL.
- 9. CURB RAMPS SHALL BE LOCATED OR PROTECTED 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 1127.B.5.6)

 10. BUILT-UP CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES. (ADAAG 4.7.6)

CROSS SLOPE 1:50 MAX. CORNER CURB RAMP PLAN CORNER CURB RAMP PLAN

<u>SECTION</u>

CURB RAMP PLAN

ACCESSIBILITY NOTES - CURB RAMPS

VTS

STAIRWAYS

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

- SLOPE GUTTER

FROM CURB RAMP

- 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)

 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-35
- & 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 HANDRAILS SHALL BE NOT LESS THAN 1-1/4" NOR MORE THEN 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 & 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 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 & FIGURE 11B-35)

 10. ALL TREAD SURFACES SHALL BE SLIP-RESISTANT. WEATHER EXPOSED STAIRS AND THEIR APPROACHES SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACE. 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 THAT 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 LANDING IN ALL ENCLOSED STAIRWAYS IN BUILDINGS 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 CBC 522(B)3. THE SIGN SHALL BE LOCATED 60" ABOVE THE FLOOR LANDING IN A POSITION WHICH IS READILY VISIBLE WHEN THE DOOR IS IN THE OPEN OR CLOSED POSITION. THE SIGN SHALL BE LOCATED 5' 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.

ACCESSIBILITY NOTES - STAIRWAYS

NTS

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

ENTRANCES, EXITS AND DOORS

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.

- 1. ALL ENTRANCES AND ALL EXTERIOR GROUND FLOOR EXIT DOORS TO BUILDINGS AND FACILITIES SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES. (CBC 1177B 1 1 1 1)
- 1133B.1.1.1.1)
 2. REVOLVING DOORS SHALL NOT BE USED AS A REQUIRED ENTRANCE FOR PERSONS WITH DISABILITIES. (CBC 1133B.2.3.3)
- 3. DURING PERIODS OF PARTIAL OR RESTRICTED USE OF A BUILDING OR FACILITY, THE ENTRANCES USED FOR PRIMARY ACCESS SHALL BE ACCESSIBLE TO AND USABLE BY
- PERSONS WITH DISABILITIES. (CBC 1133B.1.1.2)
 4. ALL GATES, INCLUDING TICKET GATES, SHALL MEET ALL APPLICABLE ACCESSIBILITY
- SPECIFICATIONS OF DOORS. (CBC 1133B.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, PANIC BARS, PUSH—PULL ACTIVATION BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED
- EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION. (CBC 1133B.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 1133B.2.5.1)
- 7. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44"
- ABOVE THE FLOOR. (CBC 1133B.2.5.1)

 8. THE WIDTH AND HEIGHT OF DOORWAYS SHALL COMPLY WITH CBC 1003.3.1.3a. 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 32". (CBC 1133B.2.2, FIGURE 11B-33)
- 9. FOR HINGE DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR
 POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. (CBC 1133.2.3.1
- 118-33 (d))

 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 1133.2.3.1)
- 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 1133B.2.3.2)

 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 1133B.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
- 1133B.2.4.2. & FIGURE 11B-26 A & B)

 14. WHERE THE DOOR OPENS INTO A STAIR OF A SMOKE-PROOF ENCLOSURE, THE LANDING NEED NOT HAVE A LENGTH OF 60". (CBC 1133B.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 cf1AT THE PUSH SIDE, IF DOOR IS EQUIPPED WITH BOTH LATCH AND
- CLOSER. (CBC1133B.2.4.3 & FIGURE 11B-26 A & B)

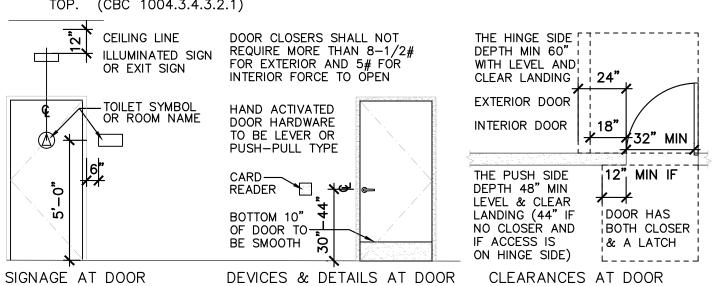
 16. THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD
- OF THE DOORWAY. (CBC 1133B.2.4.1 & FIGURE 11B-32)

 17. IN EXISTING STAIRWAYS WHERE THERE IS 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-30 & 11B-31 FOR DESIGN ALTERNATIVES. (CBC 1133B.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 1133B.2.6. & FIGURE 11B-29)
- 20. RECESSED DOORMATS SHALL BE ADEQUATELY ANCHORED TO PREVENT INTERFERENCE WITH
- WHEELCHAIR TRAFFIC. (CBC 1133B.1.1.1.3 & FIGURE 11B-25)

 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 PRICE IS CHARGED, A DOOR OR GATE THAT IS ACCESSIBLE TO PERSONS WITH DISABILITIES 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 CONTROLS 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 FIGURE 11B—5E (a) AND (b) WITH 32" OF CLEAR OPENING PER
- 1133B.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 MAINTAINED SELF—CLOSING OR SHALL BE AUTOMATIC 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)



ACCESSIBILITY NOTES - ENTRANCES

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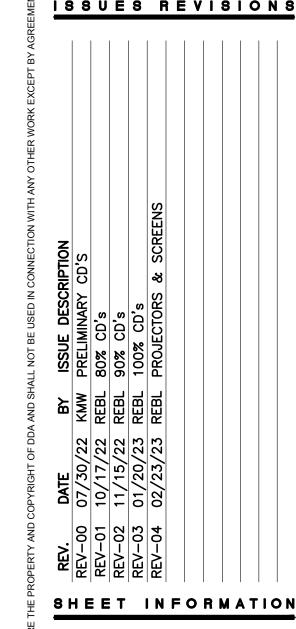
ARCHITECT

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PROJECT NAME

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NT COLLEGE DRIVE, EL CAJON, CA 92020

PARKING LOT #1
SWING SPACE



ACCESSIBILITY NOTES

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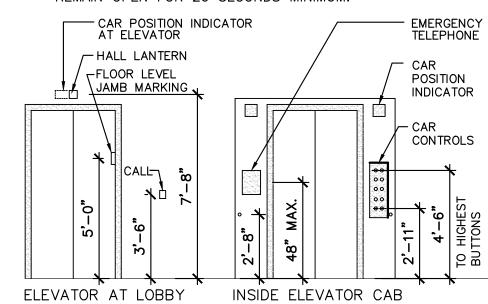
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PLOT SCALE 1:1 (24x36 'D' SIZE)

NOTE: IN A BUILDING TWO OR MORE STORIES IN HEIGHT SERVED BY AN ELEVATOR, OR A BUILDING SERVED BY AN ELEVATOR REQUIRED BY CHAPTER 11, OR A BUILDING SERVED BY AN ELEVATOR REQUIRED FOR ACCESSIBILITY BY CBC 101.17, ALL ELEVATORS PROVIDED SHALL ACCOMMODATE A WHEELCHAIR. (CBC 3003.4.1A)

- 1. PASSENGER ELEVATORS SHALL BE LOCATED NEAR A MAJOR PATH OF TRAVEL AND PROVISIONS SHALL BE MADE TO ASSURE THAT THEY REMAIN ACCESSIBLE AND USABLE AT ALL TIMES THE BUILDING IS OCCUPIED. (CBC 3003.4.17)
- 2. THE CAR INSIDE SHALL ALLOW FOR THE TURNING OF A WHEELCHAIR. THE MINIMUM CLEAR DISTANCE BETWEEN WALLS OR BETWEEN WALL AND DOOR, EXCLUDING RETURN PANELS, SHALL BE NOT LESS THAN 80" BY 54" FOR CENTER-OPENING DOORS, AND 68" BY 54" FOR SIDE-SLIDE OPENING DOORS. MINIMUM DISTANCE FROM WALL TO RETURN PANEL SHALL BE NOT LESS THAN 51". (CBC 3003.4.7B)
- MINIMUM CLEAR WIDTH FOR ELEVATOR DOORS SHALL BE 36". (CBC 3003.4.4) 4. A HANDRAIL SHALL BE PROVIDED ON ONE WALL OF THE CAR, PREFERABLY THE REAR. THE RAILS SHALL BE SMOOTH AND INSIDE SURFACE AT LEAST 1-1/2" CLEAR OF THE WALLS AT A NOMINAL HEIGHT OF 32" ABOVE THE FLOOR. (CBC 3003.4.12)
- 5. THE CENTERLINE OF ELEVATOR FLOOR BUTTONS SHALL BE NO HIGHER THAN 54" ABOVE THE FINISH FLOOR FOR SIDE APPROACH AND 48" FOR FRONT APPROACH. (CBC 3003.4.7B)
- 6. FLOOR BUTTONS SHALL BE PROVIDED WITH VISUAL INDICATORS TO SHOW WHEN EACH CALL IS REGISTERED. THE VISUAL INDICATORS SHALL BE EXTINGUISHED WHEN EACH CALL IS ANSWERED. (CBC 3003.4.7b)
- 7. EXCEPT FOR PHOTOELECTRIC TUBE BYPASS SWITCHES, EMERGENCY CONTROL, INCLUDING THE EMERGENCY STOP AND ALARM, SHALL BE GROUPED IN OR ADJACENT TO THE BOTTOM OF THE PANEL AND SHALL BE NO LOWER THAN 2'-11" FROM THE FLOOR. FOR MULTIPLE CONTROLS ONLY, ONE SET MUST COMPLY WITH THESE HEIGHT REQUIREMENTS (CBC 3003.4.7B)
- 8. THE CENTERLINE OF THE HALL CALL BUTTONS SHALL BE NO HIGHER THAN 42" FROM THE FLOOR. THE BUTTONS SHALL BE A MINIMUM OF 7" IN SIZE AND SHALL BE RAISED 1/8" + 1/32" ABOVE THE SURROUNDING SURFACE. VISUAL INDICATION SHALL BE PROVIDED TO SHOW EACH CALL REGISTERED AND EXTINGUISHED WHEN ANSWERED. OBJECTS ADJACENT TO AND BELOW HALL CALL BUTTONS SHALL NOT PROJECT MORE THAN 4" FROM
- THE WALL. (CBC 3003.4.9A) THE EMERGENCY TELEPHONE HANDSET SHALL BE POSITIONED NO HIGHER THAN 4" ABOVE THE FLOOR, AND THE HANDSET CORD SHALL BE A MINIMUM OF 2'-5" IN LENGTH. (CBC
- 10. IF THE TELEPHONE SYSTEM IS LOCATED IN A CLOSED COMPARTMENT, THE COMPARTMENT DOOR HARDWARE SHALL BE LEVER TYPE CONFORMING TO THE PROVISIONS OF CBC 1004.3, TYPE OF LOCK OR LATCH. EMERGENCY INTERCOMMUNICATION SHALL NOT REQUIRE VOICE COMMUNICATION. (CBC 3003.4.7B)
- 11. THE MINIMUM ILLUMINATION AT THE CAR CONTROLS, THRESHOLD, AND THE LANDING WHEN THE CAR AND LANDING DOORS ARE OPEN SHALL NOT BE LESS THAN 5 FOOT-CANDLES. (CBC 3003.4.13)
- 12. IDENTIFICATION FOR THE VISUALLY IMPAIRED SHALL COMPLY WITH CBC 3003.4.8A. 13. A VISUAL AND AUDIBLE SIGNAL SHALL BE PROVIDED AT EACH HOISTWAY ENTRANCE
- INDICATING TO THE PROSPECTIVE PASSENGER THE CAR ANSWERING THE CALL AND ITS DIRECTION OF TRAVEL AS FOLLOWS CBC 3003.4.15A a. THE VISUAL SIGNAL FOR EACH DIRECTION SHALL BE A MINIMUM OF 2-1/2" HIGH BY
- 2-1/2" WIDE, AND VISIBLE FROM THE PROXIMITY OF THE HALL CALL BUTTON. THE AUDIBLE SIGNAL SHALL SOUND ONCE FOR THE UP DIRECTION AND TWICE FOR THE DOWN DIRECTION OF A CONFIGURATION, WHICH DISTINGUISHES BETWEEN UP AND
- DOWN ELEVATOR TRAVEL c. THE CENTERLINE OF THE FIXTURE SHALL BE LOCATED A MINIMUM OF 6' IN HEIGHT

3003.4.15A WILL BE ACCEPTABLE.

- FROM THE LOBBY FLOOR. 14. THE USE OF IN-CAR LANTERNS, LOCATED IN OR ON THE CAR DOOR JAMBS, VISIBLE FROM THE PROXIMITY OF THE HALL CALL BUTTONS AND CONFORMING TO UIRED FOR TCBC
- 15. THE USE OF ARROW SHAPES IS PREFERRED FOR VISIBLE SIGNALS, CBC 3003.4.15A. 16. PASSENGER ELEVATOR LANDING JAMBS ON ALL ELEVATOR FLOORS SHALL HAVE THE NUMBER OF THE FLOOR ON WHICH THE JAMB IS LOCATED DESIGNATED BY RAISED ARABIC NUMERALS WHICH ARE A MINIMUM OF 2" IN HEIGHT AND RAISED BRAILLE SYMBOLS WHICH CONFORM TO CBC 1117B.5.2 LOCATED APPROXIMATELY 5' ABOVE THE FLOOR ON THE JAMB PANELS ON BOTH SIDES OF THE DOOR SO THAT THEY ARE VISIBLE FORM WITHIN THE ELEVATOR. RAISED BRAILLE SYMBOLS SHALL BE PLACED DIRECTLY TO THE LEFT OF THE CORRESPONDING RAISED ARABIC NUMERALS. THE RAISED CHARACTERS SHALL BE ON
- A CONTRASTING BACKGROUND. (CBC 3003.4.16A) 17. SPECIAL ACCESS (WHEELCHAIR) LIFTS MAY BE PROVIDED BETWEEN LEVELS, IN LIEU OF PASSENGER ELEVATORS, WHEN THE VERTICAL DISTANCE BETWEEN LANDINGS, STRUCTURA DESIGN AND SAFEGUARDS IS AS ALLOWED BY THE STATE OF CALIFORNIA, DIVISION OF THE STATE ARCHITECT, ACCESS COMPLIANCE SECTION, THE DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF OCCUPATIONAL SAFETY AND HEATH, AND ANY APPLICABLE SAFETY REGULATIONS. (CBC 3008.1)
- 18. IF LIFTS ARE PROVIDED. THEY SHALL BE DESIGNED AND CONSTRUCTED TO FACILITATE UNASSISTED ENTRY, OPERATION AND EXIT FROM THE LIFT, AND SHALL COMPLY WITH CHAPTERS 11 AND 11B, AND ASME A17.1, SAFETY CODE FOR ELEVATORS AND ESCALATORS, SECTION XX, 1990. CBC 3008.1.19. ADDITIONALLY, LIFTS MAY BE PROVIDED AS PART OF AN ACCESSIBLE PATH OF TRAVEL IN THE CASES LISTED IN CBCS 3008.1.1 THROUGH 3008.1.4.
- LIFTS MUST MEET SPECIFICATIONS LISTED IN CBCS 3008.1.4.1 THROUGH 3008.1.4.10. 20. THE ELEVATOR DOOR SHALL BE EQUIPPED WITH AN AUTOMATIC DOOR REOPENING DEVICE SUCH THAT THE DEVICE OPENS THE DOORS WHEN OBJECTS PASS THROUGH THE OPENING AT HEIGHTS OF 5" AND 29" FROM THE FLOOR WITHOUT REQUIRING CONTACT. DOORS REMAIN OPEN FOR 20 SECONDS MINIMUM.



ACCESSIBILITY NOTES - ELEVATORS

AREAS FOR EVACUATION ASSISTANCE

REQUIRED. (CBC 1114B.2.1 EXCEPTION 2)

NOTE: AREAS OF EVACUATION ASSISTANCE ARE NOT REQUIRED IN BUILDINGS OF FACILITIES HAVING A SUPERVISED AUTOMATIC SPRINKLER SYSTEM. (CBC 1114B.2.1 EXCEPTION 1) NOTE: IN ALTERATIONS OF EXISTING BUILDINGS, AREAS OF EVACUATION ASSISTANCE ARE NOT

- 1. IN BUILDINGS OR PORTIONS OF BUILDINGS REQUIRED TO BE ACCESSIBLE, ACCESSIBLE MEANS OF EGRESS SHALL BE PROVIDED IN THE SAME NUMBER AS REQUIRED FOR EXITS
- BY CHAPTER 10. (CBC 1114B.2.1) 2. WHEN AN EXIT REQUIRED BY CHAPTER 10 IS NOT ACCESSIBLE, AN AREA FOR EVACUATION ASSISTANCE SHALL BE PROVIDED AND SHALL ADJOIN AN ACCESSIBLE ROUTE OF TRAVEL. (CBC 1114B.2.1)
- 3. AN AREA FOR EVACUATION ASSISTANCE COMPLYING WITH CBC 1114B.2.2.1 SHALL BE PROVIDED.
- 4. EACH AREA FOR EVACUATION ASSISTANCE SHALL PROVIDE AT LEAST TWO ACCESSIBLE AREAS THAT ARE NOT LESS THAN 30" BY 48". THE AREA FOR EVACUATION ASSISTANCE SHALL NOT ENCROACH ON ANY REQUIRED EXIT WIDTH. THE TOTAL NUMBER OF SUCH AREAS PER STORY SHALL BE NOT LESS THAN ONE FOR EVERY 200 PERSONS OF CALCULATED OCCUPANT LOAD SERVED BY THE AREA FOR EVACUATION ASSISTANCE. (CBC
- 5. EACH STAIRWAY ADJACENT TO AN AREA FOR EVACUATION ASSISTANCE SHALL HAVE A MINIMUM CLEAR WIDTH OF 48" BETWEEN HANDRAILS. (CBC 11124B.2.2.3)

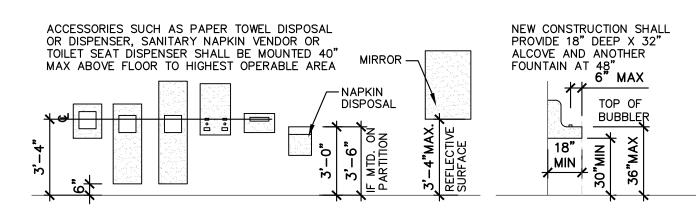
<u>AREAS FOR EVACUATION ASSISTANCE (CONT.)</u>

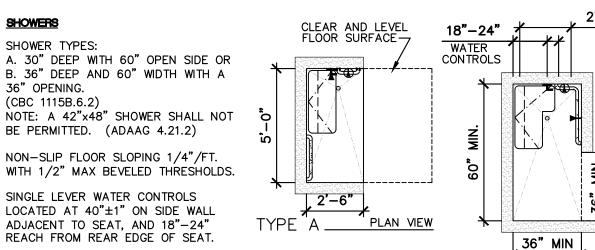
- A METHOD OF TWO-WAY COMMUNICATION WITH BOTH VISIBLE AND AUDIBLE COMMUNICATION SHALL BE PROVIDED BETWEEN EACH AREA OF EVACUATION ASSISTANCE AND THE PRIMARY ENTRANCE. A BUTTON IN THE AREA OF RESCUE ASSISTANCE SHALL ACTIVATE BOTH A LIGHT IN THE AREA OF RESCUE ASSISTANCE INDICATING THAT RESCUE HAS BEEN REQUESTED AND A LIGHT AT THE PRIMARY ENTRY INDICATING THAT RESCUE IS BEING REQUESTED. A BUTTON AT THE PRIMARY ENTRY SHALL ACTIVATE BOTH A LIGHT AT THE PRIMARY ENTRY AND A LIGHT IN THE AREA OF RESCUE ASSISTANCE INDICATING THAT THE REQUEST HAS BEEN RECEIVED. A TELEPHONE WITH CONTROLLED ACCESS TO A PUBLIC TELEPHONE SYSTEM OR ANOTHER METHOD OF TWO-WAY COMMUNICATION SHALL BE PROVIDED BETWEEN EACH AREA OF REFUGE AND THE PRIMARY BUILDING ENTRY. THE FIRE DEPARTMENT MAY APPROVE A LOCATION OTHER THAN THE PRIMARY ENTRY. (CBC 1114B.2.2.4.2)
- 7. EACH AREA FOR EVACUATION ASSISTANCE SHALL BE IDENTIFIED BY A SIGN, WHICH STATES, "AREA FOR EVACUATION ASSISTANCE" AND THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. THE SIGN SHALL BE ILLUMINATED WHEN EXIT SIGN IS REQUIRED IN EACH AREA FOR EVACUATION ASSISTANCE. INSTRUCTIONS ON THE USE OF THE AREA UNDER EMERGENCY CONDITIONS SHALL BE POSTED ADJOINING THE TWO-WAY COMMUNICATION SYSTEM. (CBC 1114B.2.2.5)
- 8. WITHIN A BUILDING OF ANY HEIGHT OR OCCUPANCY CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF CBC 403.1 THROUGH 403.10, AN AREA FOR EVACUATION ASSISTANCE MAY LOCATED IN THE ELEVATOR LOBBY (HIGH-RISE ALTERNATIVE) WHEN THE AREA FOR EVACUATION ASSISTANCE COMPLIES WITH THE REQUIREMENTS FOR SIZE, TWO-WAY COMMUNICATION, AND IDENTIFICATION AS SPECIFIED IN CBC 1114B.2.2, AND ELEVATOR SHAFTS AND ADJACENT LOBBIES ARE PRESSURIZED AS REQUIRED FOR SMOKE-PROOF ENCLOSURES IN CBC 1005.3.3. SUCH PRESSURIZATION SYSTEM SHALL BE ACTIVATED BY SMOKE DETECTORS ON EACH FLOOR LOCATED IN A MANNER APPROVED BY THE BUILDING OFFICIAL. PRESSURIZATION EQUIPMENT AND ITS DUCTWORK WITHIN THE BUILDING SHALL BE SEPARATED FROM OTHER PORTIONS OF THE BUILDING. (CBC

ACCESSIBILITY NOTES - EVACUATION

- 1. A CLEAR FLOOR SPACE 30" BY 48" SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH. SUCH SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE EXTENDING INTO KNEE AND TOE SPACE UNDERNEATH THE LAVATORY. DOOR SHALL NOT SWING INTO THIS SPACE. (CBC 1115B.9.1.1 & CBC 1115B.7.1 OR CBC 1115B.7.2)
- 2. ALL ACCESSIBLE LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR AND VERTICAL CLEARANCE MEASURED FROM THE BOTTOM OF THE APRON OR OUTSIDE EDGE OF THE LAVATORY OF AT LEAST
- 29" REDUCING TO 27" AT 8" BACK FROM THE FRONT EDGE. (CBC 1115B.2.1.2.1) 3. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES. (CBC 1115B.2.1.2.2)
- 4. CONTROLS FOR WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS. (CBC 1115B.2.1-2)
- 5. A SINGLE ACCOMMODATION SANITARY FACILITY IS A ROOM THAT HAS NOT MORE THAN ONE OF EACH TYPE OF SANITARY FIXTURE, IS INTENDED FOR USE BY ONLY ONE PERSON AT A TIME, HAS NO PARTITION AROUND THE TOILET, AND HAS A DOOR THAT CAN BE LOCKED ON THE INSIDE. (CBC 220-S)
- 6. WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE OPERABLE WITH ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST, AND SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR. (CBC 1115B.2.1-2)
- 7. THE FORCE REQUIRED TO ACTIVATE WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS SHALL BE NO GREATER THAN 5 LBF.
- (CBC 1115B.2.1-2 & CBC 1115B.2.1.2.1) SELF-CLOSING FAUCET CONTROL VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN
- FOR AT LEAST 10 SECONDS. (CBC 1115B.2.1.2.1) WHERE TOWELS, SANITARY NAPKINS, WASTE RECEPTACLES, AND OTHER SIMILAR DISPENSING AND DISPOSAL FIXTURES ARE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, WITHIN 40" FROM THE
- FINISHED FLOOR. (CBC 1115B.9.2) 10. TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL WITHIN 12" OF THE FRONT EDGE OF THE TOILET SEAT AND NO LOWER THAN 19" FROM THE FLOOR. DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT
- BE USED. (CBC 1115B.9.5) 11. TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE OF CONCRETE, CERAMIC TILE OR OTHER APPROVED MATERIAL EXTENDING UP THE WALLS AT LEAST 5". WALLS OF WATER CLOSET COMPARTMENTS AND WITHIN 24" OF THE FRONT AND SIDES OF URINALS SHALL BE SIMILARLY FINISHED TO A HEIGHT OF 48". EXCEPT FOR STRUCTURAL ELEMENTS, MATERIALS USED IN SUCH WALLS SHALL NOT BE ADVERSELY AFFECTED BY MOISTURE. (CBC 1115B.9.5)
- 12. GRAB BARS SHALL BE SECURELY ATTACHED 33" ABOVE AND PARALLEL TO THE FLOOR. WHERE A TANK-TYPE TOILET OBSTRUCTS PLACEMENT AT 33", THE GRAB BAR MAY BE AS HIGH AS 36". (CBC 1115B.8.1 & FIG. 11B-1A THROUGH 11B-1C)
- 13. THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1-1/4" TO 1-1/2" OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BARS SHALL BE 1-1/2" (CBC 1115B.8.2 & FIG. 11B-1C). THE GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8". (CBC 1115B.8.4)

ACCESSORIES DRINKING FOUNTAIN

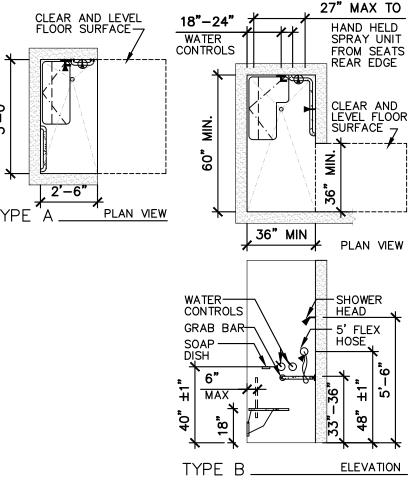




ADJACENT TO SEAT, AND 18"-24" REACH FROM REAR EDGE OF SEAT. HAND-HELD SPRAYER OF 60" MIN. MOUNTED 48"±1" WITHIN 27" MAX REACH FROM REAR EDGE OF SEAT. FOLDING SEAT 18" A.F.F. WITH A 27" MAX REACH TO CONTROLS AND 1" TO

1-1/2" FROM ANY WALL, WITH 6" MAX DIMÉNSION FROM WALL WHEN FOLDED. GRAB BARS OF 1-1/2" DIA MOUNTED 1-1/2" TO WALL AT 33" TO 36" A.F.F ADJ. & OPP. BUT NOT OVER THE SEAT.

ALL DIMENSIONS ARE TO FINISHED FLOOR OR WALL SURFACE, AND WILL BE TO CENTERLINE OF ITEM OR DEVICE.

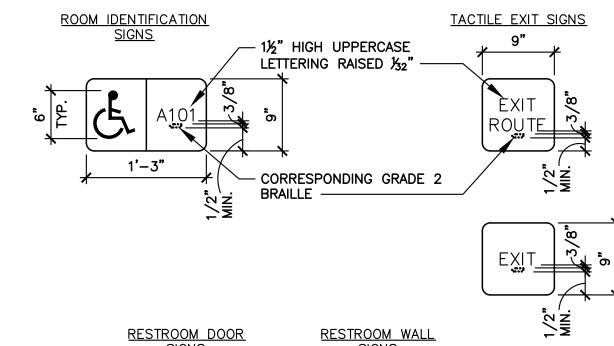


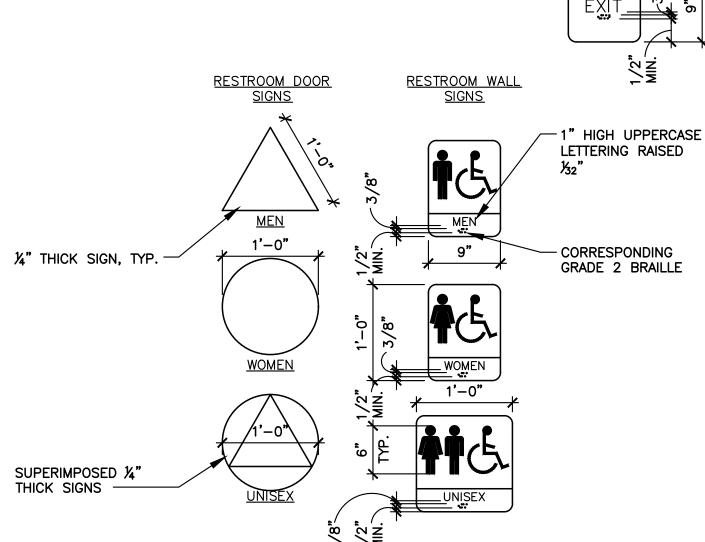
LAVATORY WATER CLOSET 30" WIDE x 48" DEEP 30" WIDE x 48" DEEP CLEAR FLOOR SPACE CLEAR FLOOR SPACE GRAB BAR-REQUIRED TO ALLOW REQUIRED TO ALLOW TYP. W/ FORWARD APPROACH FORWARD APPROACH BACKING PLATE TO HW AND DRAIN TO BE SUPPORT INSULATED OR COVERED 250# LOAD OPTIONAL 12"MAX TO T.P.

ACCESSIBILITY NOTES - RESTROOMS

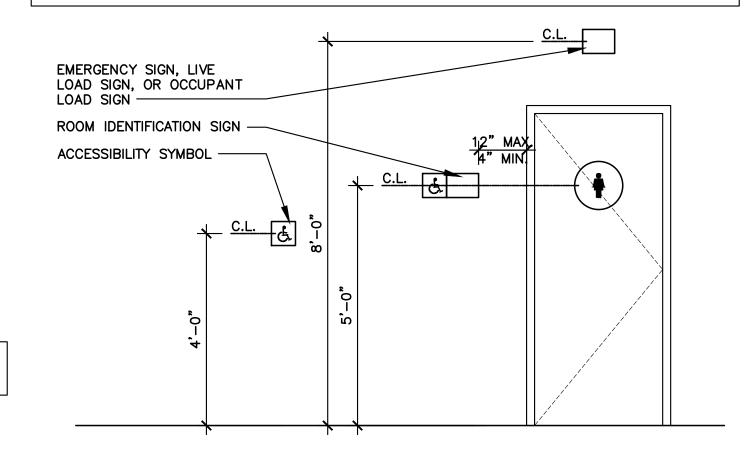
NOTE: ALL ACCESSIBLE SIGNAGE TO MATCH EXISTING CAMPUS SIGNAGE. CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED.

- LETTERS AND NUMBERALS ON SIGNS SHALL BE SANS SERIF UPPERCASE CHARACTERS RAISED 1/32" AND BE ACCOMPANIED BY GRADE 2 BRAILLE. (CBC 1117B.5.5.1, ADAAG
- 4.30.4) RAISED CHARACTERS SHALL BE BETWEEN %" AND 2" HIGH. (CBC 1117B.5.5.2, ADAAG
- 4.30.4) BRAILLE DOTS SHALL BE 1/0" ON CENTER IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. (CBC 1117B.5.6, ADAAG 4.30.4)
- BRAILLE DOTS SHALL BE RAISED A MINIMUM OF 140" ABOVE THE BACKGROUND. (CBC 1117B.5.6, ADDAG 4.30.4) PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED
- DIRECTLY BELOW THE PICTOGRAM. (CBC 1117B.5.5.3, ADAAG 4.30.4)
- THE OUTSIDE DIMENSION OF THE PICTOGRAM FIELD SHALL BE A MINIMUM OF 6" IN HEIGHT. (CBC 1117B.5.5.3, ADAAG 4.30.4)
- CHARACTERS, SYMBOLS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE OR OTHER NON-GLARE FINISH. (CBC 1117B.5.2, ADAAG 4.30.5)
- CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND (LIGHT
- CHARACTERS ON A DARK BACKGROUND, OR DARK CHARACTERS ON A LIGHT BACKGROUND). (CBC 1117B.5.2, ADAAG 4.30.5)
- 9. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATION BETWEEN 1:5 AND 1:10. (CBC
- 10. PERMANENT IDENTIFICATION SIGNS, WHEN PROVIDED, SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR (AT DOUBLE-LEAF DOORS AND WHEN THERE IS NO WALL SPACE AT THE LATCH SIDE, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT). (CBC 1117B.5.7, ADAAG 4.30.6)
- 11. MOUNTING HEIGHT SHALL BE 60" FROM THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. (CBC 1117B.5.7, ADAAG 4.30.6) 12. MOUNTING LOCATION SHALL ALLOW A PERSON TO APPROACH WITHIN 3" OF THE SIGNAGE
- WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR. (CBC 1117B.5.7, ADAAG 4.30.6)
- 13. SIGNAGE ABOUT FUNCTIONAL SPACES: a. CHARACTERS AND NUMBERS ON SIGNS SHALL BE A MINIMUM OF 3" IN HEIGHT WHEN SUSPENDED OR PROJECTED OVERHEAD 80" OR MORE ALONG A PATH OF TRAVEL). (CBC 1117B.5.4, ADAAG 4.30.3)
 - b. CHARACTERS AND NUMBERS ON SIGNS SHALL BE APPROPRIATELY—SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. (CBC 1117B.5.4, ADAAG 4.30.3)
- a. EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE SIGN
- WITH THE WORD "EXIT". (CBC 1003.2.8.6.1.1) b. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP IS IDENTIFIED BY A TACTILE EXIT SIGN THAT STATES "EXIT STAIR DOWN", "EXIT RAMP DOWN", "EXIT STAIR UP", OR "EXIT RAMP UP", AS
- APPROPRIATE. (CBC 1003.2.8.6.1.2) c. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY IS IDENTIFIED BY A
- TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE". (CBC 1003.2.8.6.1.3) EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN IS IDENTIFIED BY A
- TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE". (CBC 1003.2.8.6.1.4) e. EACH EXIT DOOR THROUGH A HORIZONTAL EXIT SHALL BE IDENTIFIED BY A SIGN WITH THE WORDS "TO EXIT". (CBC 1003.2.8.6.1.5)

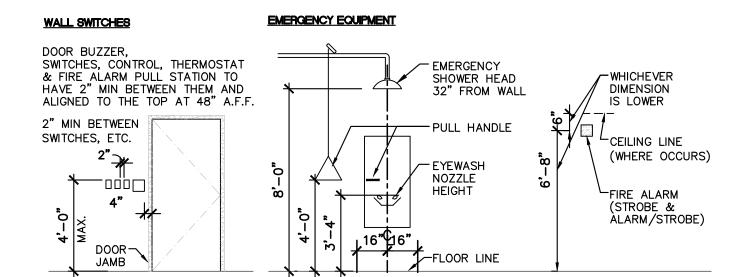




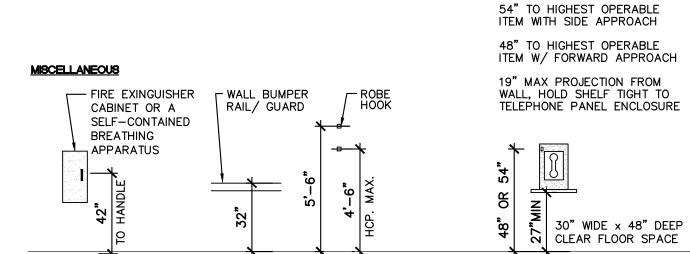
NOTE: THIS SHEET IS INFORMATIONAL IN NATURE, AND NOT ALL DETAILS AND NOTES PROVIDED HERE ARE NECESSARILY USED IN THIS PROJECT.



ACCESSIBILITY NOTES - SIGNAGE



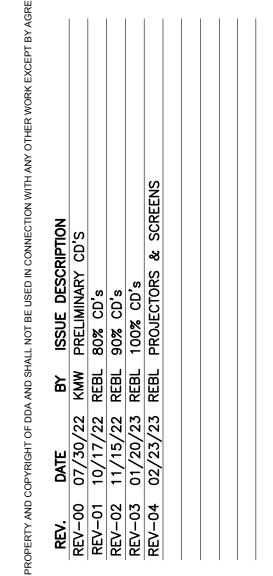
<u>TELEPHONE</u>



ACCESSIBILITY NOTES - MISCELLANEOUS

S S

ISSUES REVISIONS



ACCESSIBILITY

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

ARCHITECT

PROJECT NAME

o R

SHEET INFORMATION

DI DONATO ASSOCIATES ARCHITECTURE + GRAPHICS

NOTES



ARCHITECT

PROJECT NAME

COLLEGE

GGROSSMONT PARKING LOT #
SWING SP/
8800 GROSSMONT ISSUES REVISIONS
 DATE
 BY
 ISSUE DESCRIPTION

 07/30/22
 KMW
 PRELIMINARY CD'S

 10/17/22
 REBL
 80% CD's

 11/15/22
 REBL
 90% CD's

 01/20/23
 REBL
 100% CD's

 02/23/23
 REBL
 PROJECTORS & SCREE

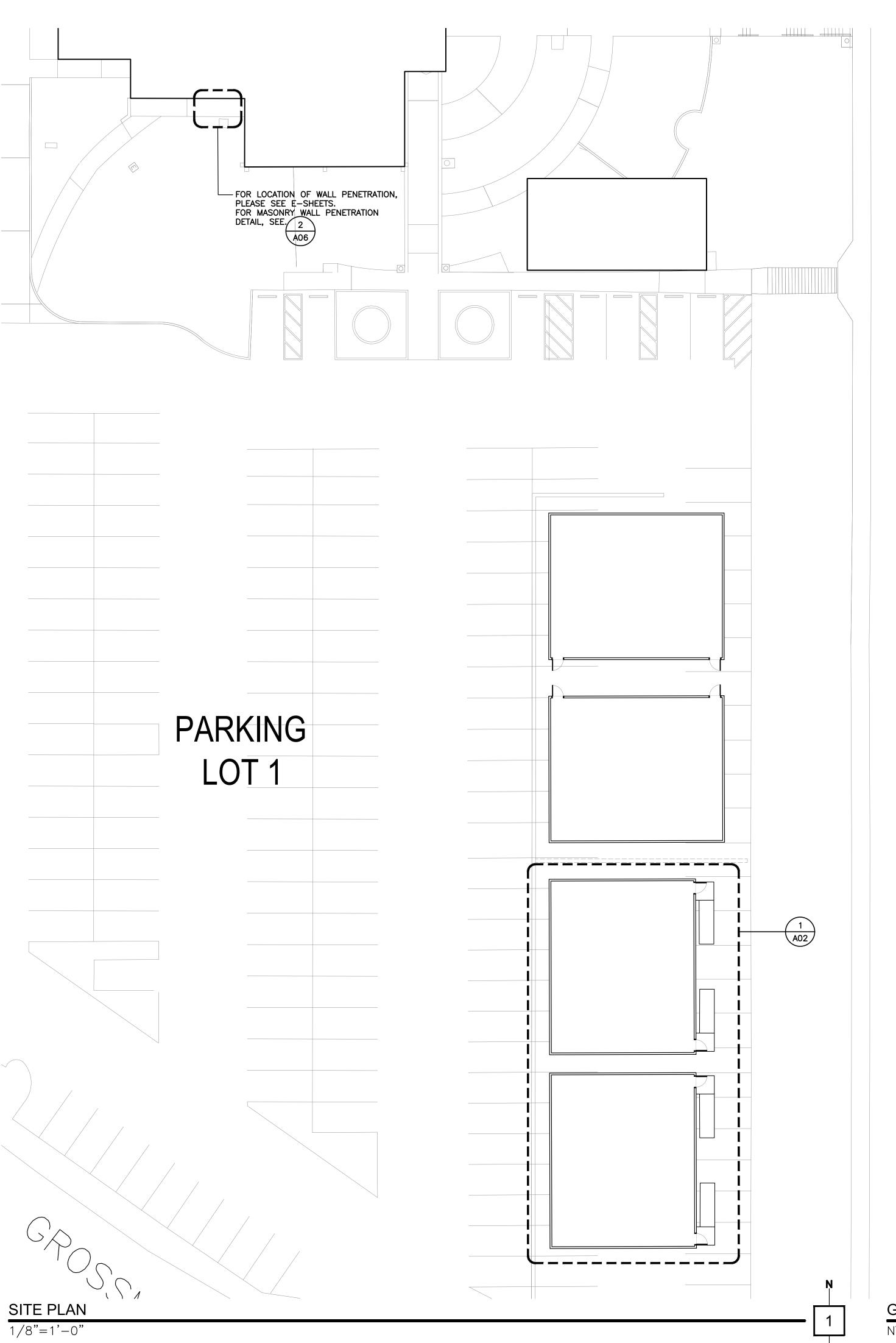
SHEET INFORMATION

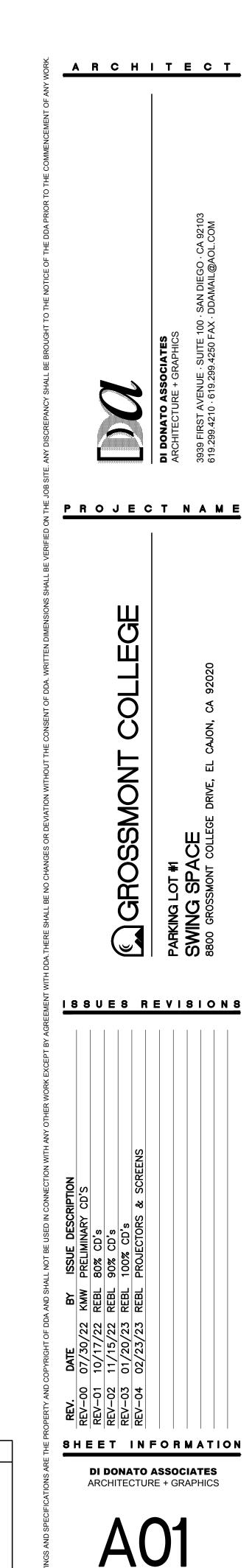
DI DONATO ASSOCIATES ARCHITECTURE + GRAPHICS

GROSSMONT COLLEGE CAMPUS PLAN

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

NTS





GENERAL NOTES & LEGEND

GENERAL NOTES

HOTEG & ELGEND

2. NEW MODULAR BUILDING TO BE INSTALLED BY MANUFACTURER. CRANE TO BE PROVIDED BY CONTRACTOR.

3. CONNECTIONS INCLUDING ELECTRICAL, DATA, FIRE ALARM AND ACCESS CONTROLS TO BE PROVIDER BY CONTRACTOR.

1. SITE PREPARATION TO BE PERFORMED BY CONTRACTOR

<u>LEGEND</u>

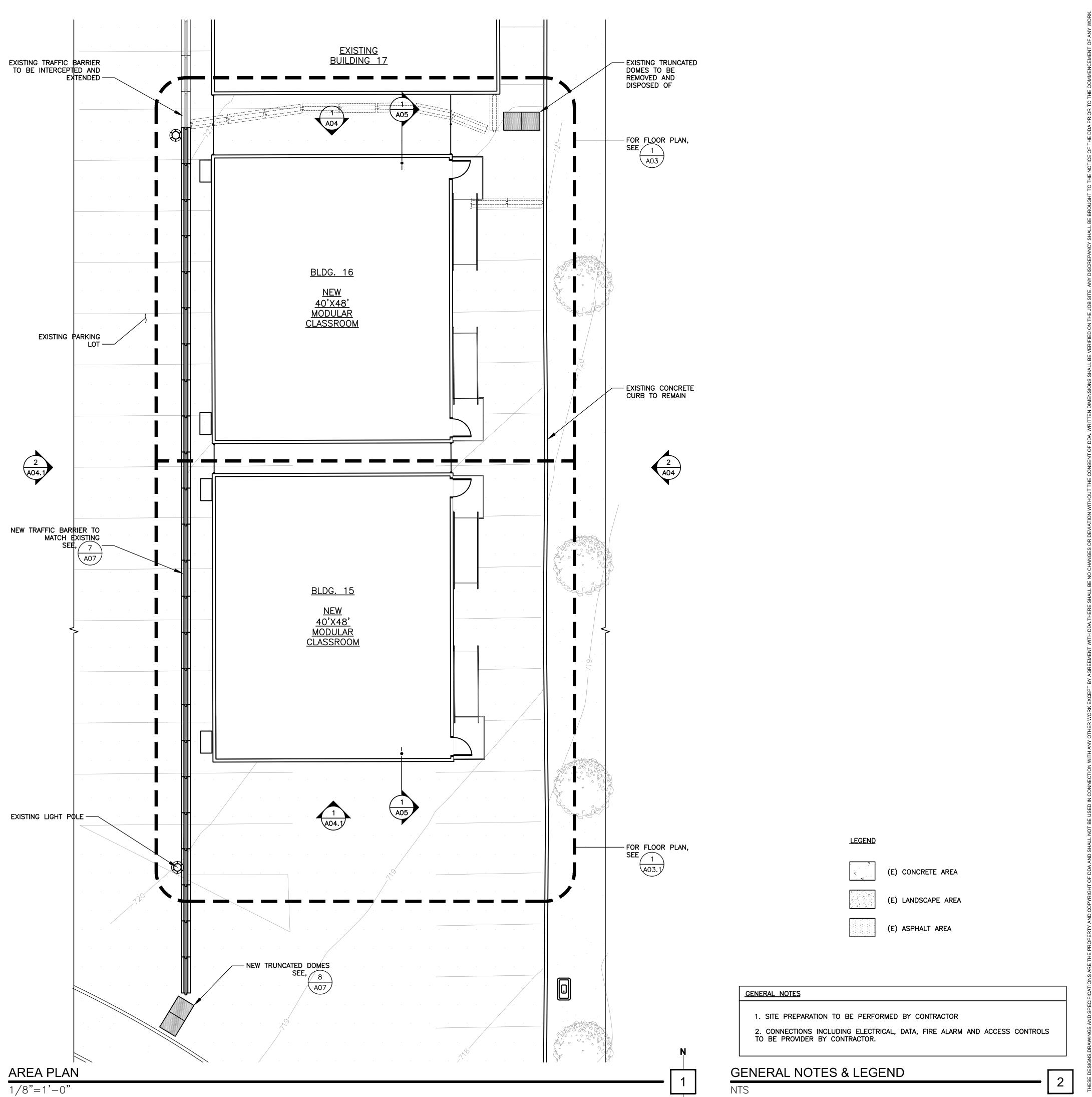
(E) CONCRETE AREA

(E) LANDSCAPE AREA

(E) ASPHALT AREA

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

SITE PLAN



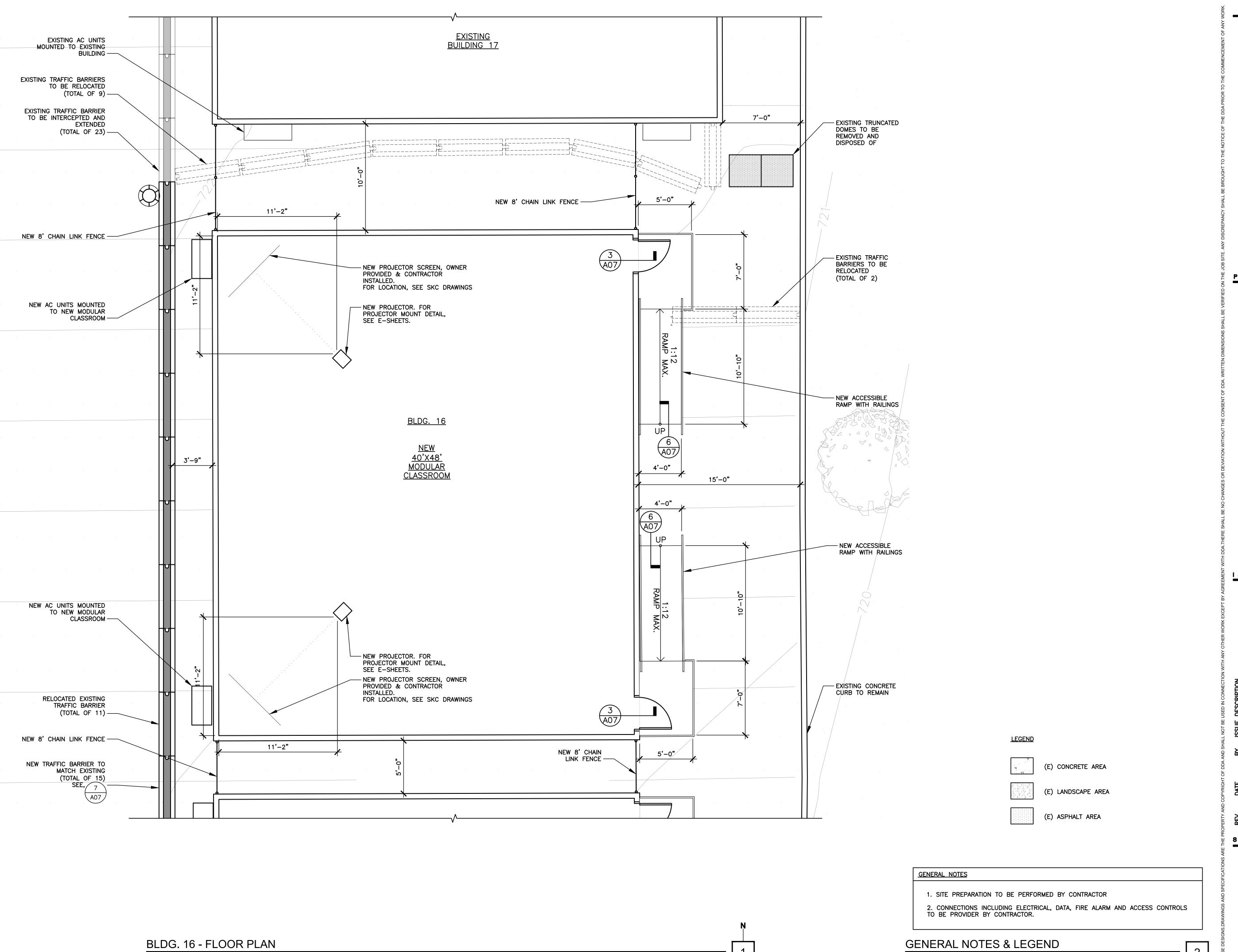
ARCHITECT PROJECT NAME COLLEGE **GGROSSMONT** ISSUES REVISIONS

AO2
AREA PLAN

SHEET INFORMATION

DI DONATO ASSOCIATES ARCHITECTURE + GRAPHICS

PROJECT # 1902.13
PLOT SCALE 1:1 (24x36 'D' SZE)



1/4"=1'-0"

ARCHITECT PROJECT NAME COLLEGE **GGROSSMONT** PARKING LOT #1
SWING SPACE
8800 GROSSMONT COLLEG ISSUES REVISIONS SHEET INFORMATION DI DONATO ASSOCIATES ARCHITECTURE + GRAPHICS

> BLDG. 16 FLOOR PLAN

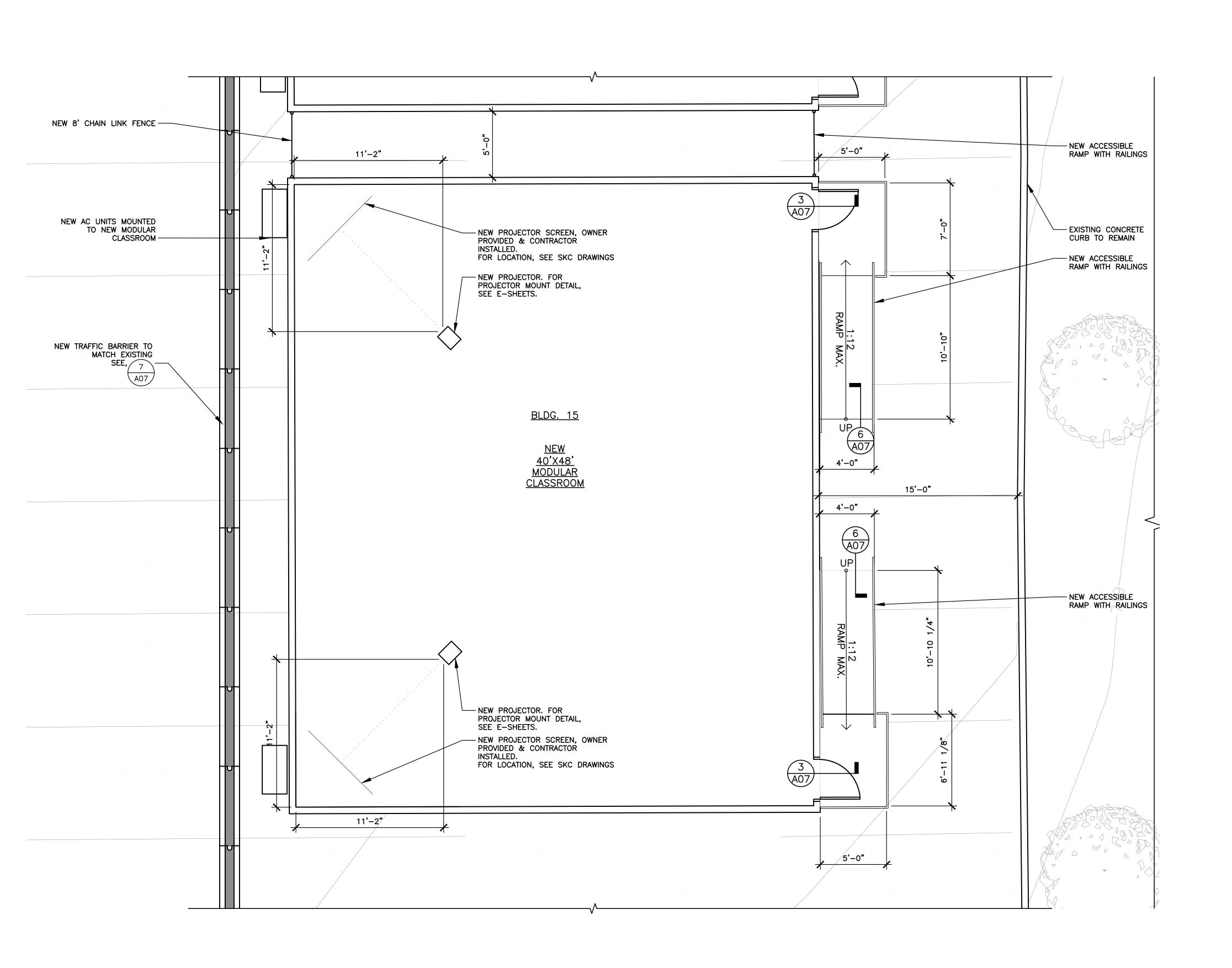
> > PROJECT # 1902.13

PLOT SCALE 1:1 (24x36 'D' SIZE)

GENERAL NOTES & LEGEND

NTS

ARCHITECT



BLDG. 15 - FLOOR PLAN

1/4"=1'-0"

<u>LEGEND</u>

(E) CONCRETE AREA

(E) LANDSCAPE AREA

(E) ASPHALT AREA

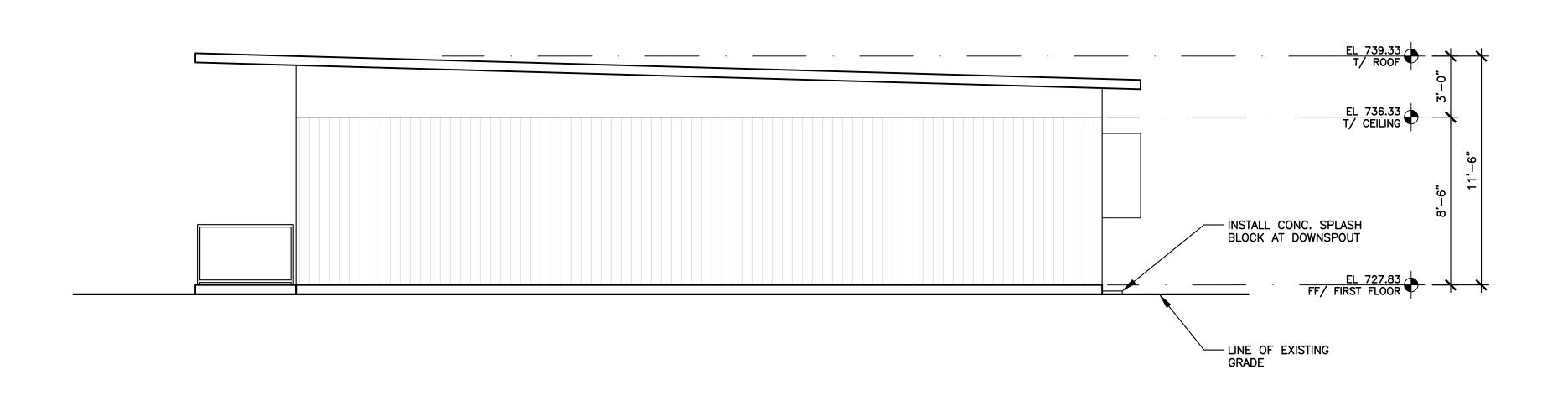
GENERAL NOTES

1. SITE PREPARATION TO BE PERFORMED BY CONTRACTOR

2. CONNECTIONS INCLUDING ELECTRICAL, DATA, FIRE ALARM AND ACCESS CONTROLS TO BE PROVIDER BY CONTRACTOR.

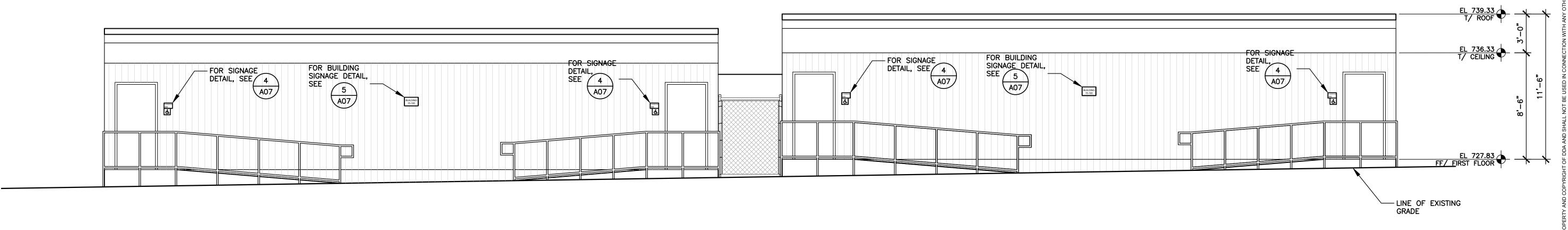
GENERAL NOTES & LEGEND

FLOOR PLAN PROJECT # 1902.13
PLOT SCALE 1:1 (24x36 'D' SZE)

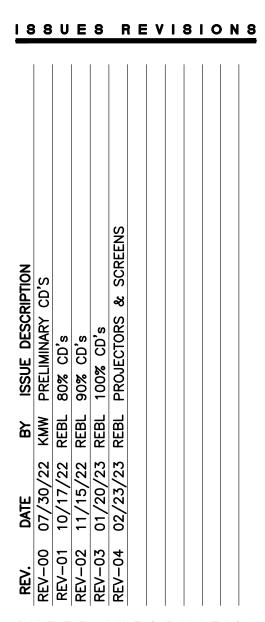


NORTH ELEVATION

1/4"=1'-0"



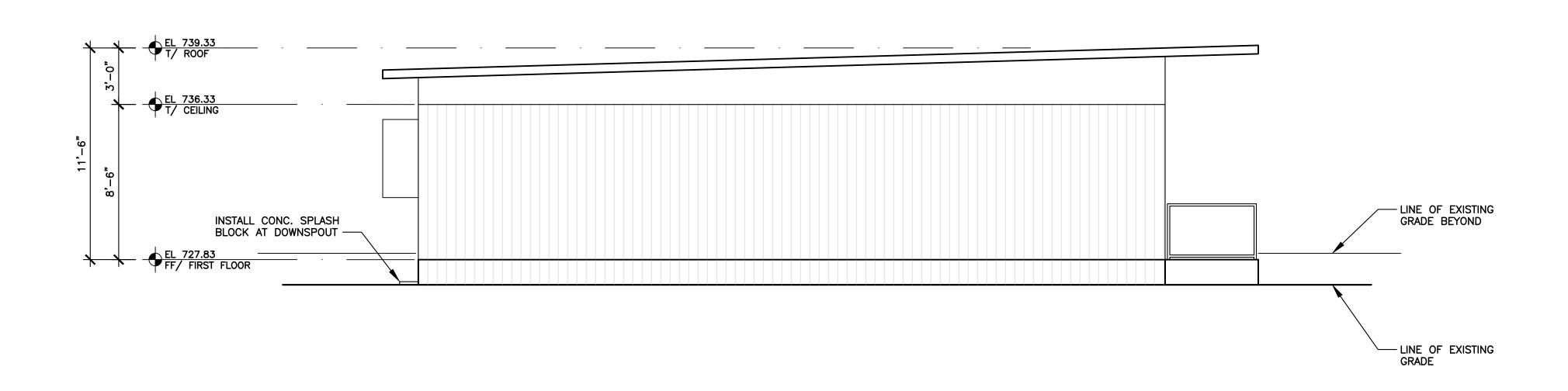
GGROSSMONT COLLEGE



DI DONATO ASSOCIATES
ARCHITECTURE + GRAPHICS

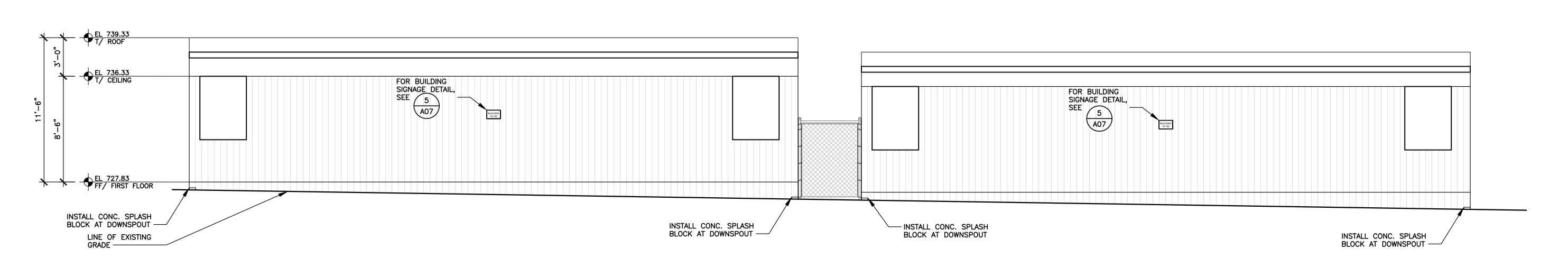
AO4
ELEVATIONS

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

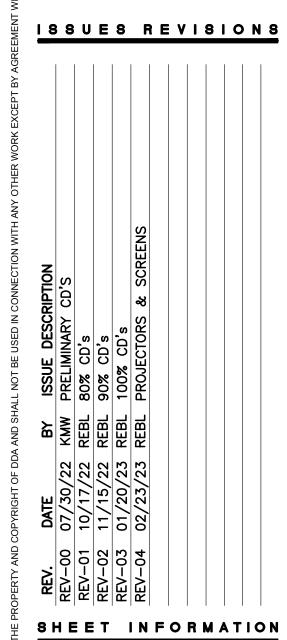


SOUTH ELEVATION

1/4"=1'-0"



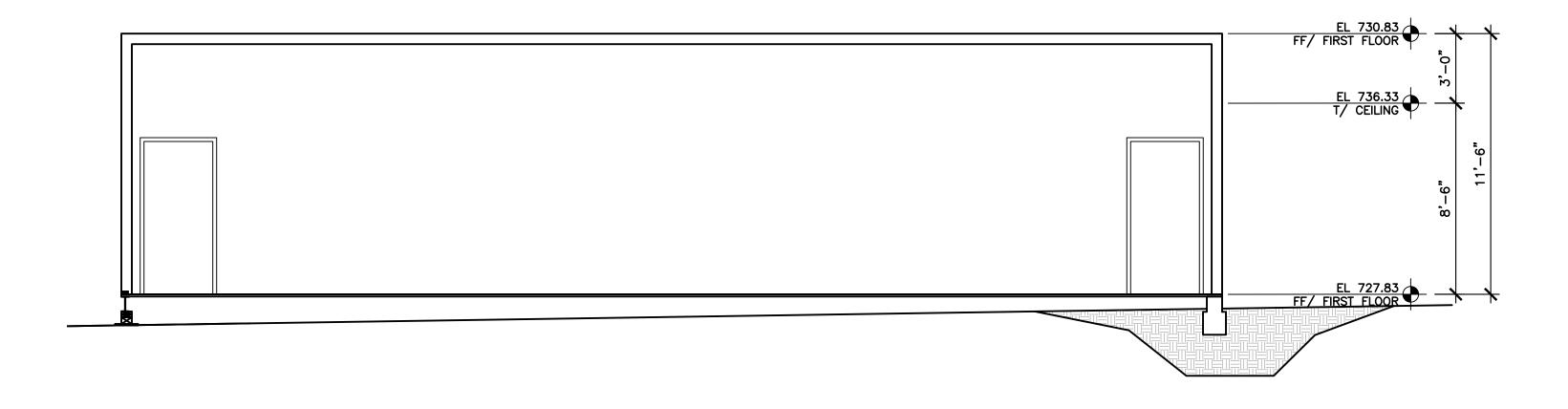
GGROSSMONT COLLEGE



DI DONATO ASSOCIATES
ARCHITECTURE + GRAPHICS

AO4.1
ELEVATIONS

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



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

A R C H I T E C T

PROJECT NAME

COLLEGE

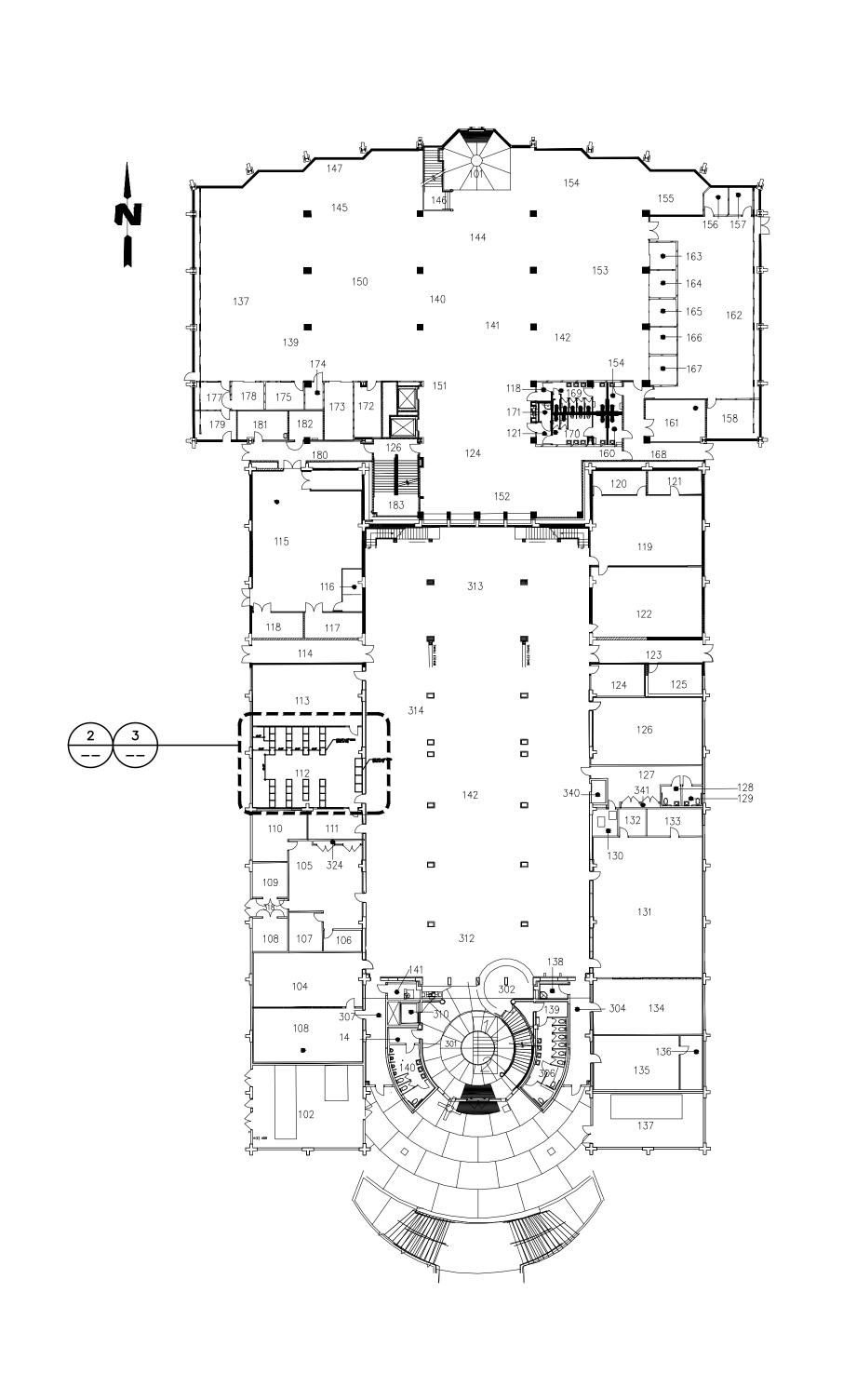
GGGBOSMONT (PARKING LOT #1
SWING SPACE
8800 GROSSMONT COLLEGE DRIVE, EL CAJO

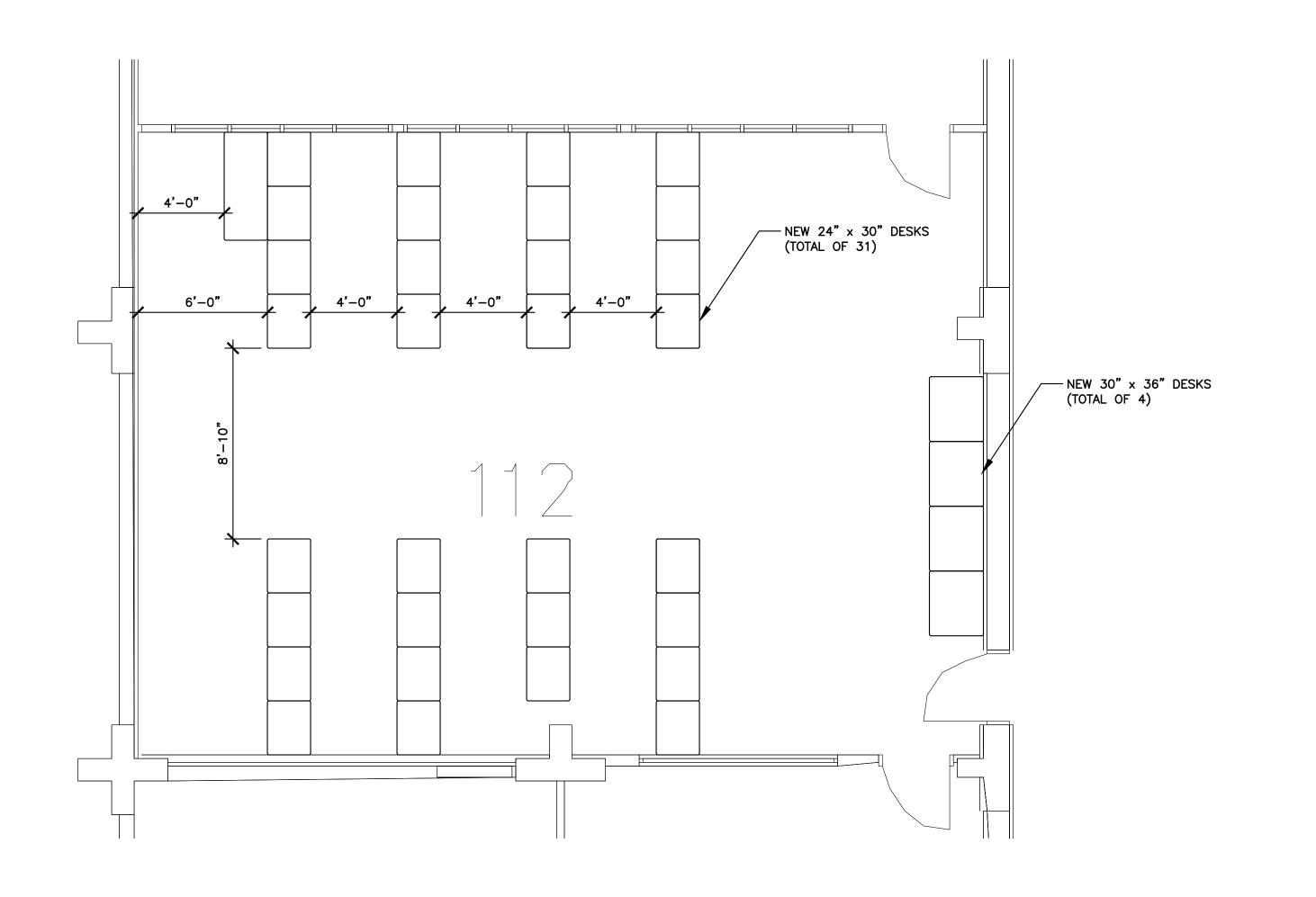
ISSUES REVISIONS

SHEET INFORMATION

DI DONATO ASSOCIATES ARCHITECTURE + GRAPHICS

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





BLDG. 70 - ROOM 112 - NEW LAYOUT 1/4"=1'-0"

> 11'-0" NEW CEILING MOUNTED PROJECTOR.
> FOR MOUNTING DETAIL, SEE E-SHEETS. - NEW PROJECTOR SCREEN, OWNER PROVIDED & CONTRACTOR INSTALLED. EXISTING LIGHTING TO REMAIN UNCHANGED (TOTAL OF 3)

BLDG. 70 - ROOM 112 - REFLECTED CEILING PLAN

1/4"=1'-0"

PROJECT NAME **GGROSSMONT**

ARCHITECT

ISSUES REVISIONS

 DATE
 BY
 ISSUE DESCRIPTION

 07/30/22
 KMW
 PRELIMINARY CD'S

 10/17/22
 REBL
 80% CD's

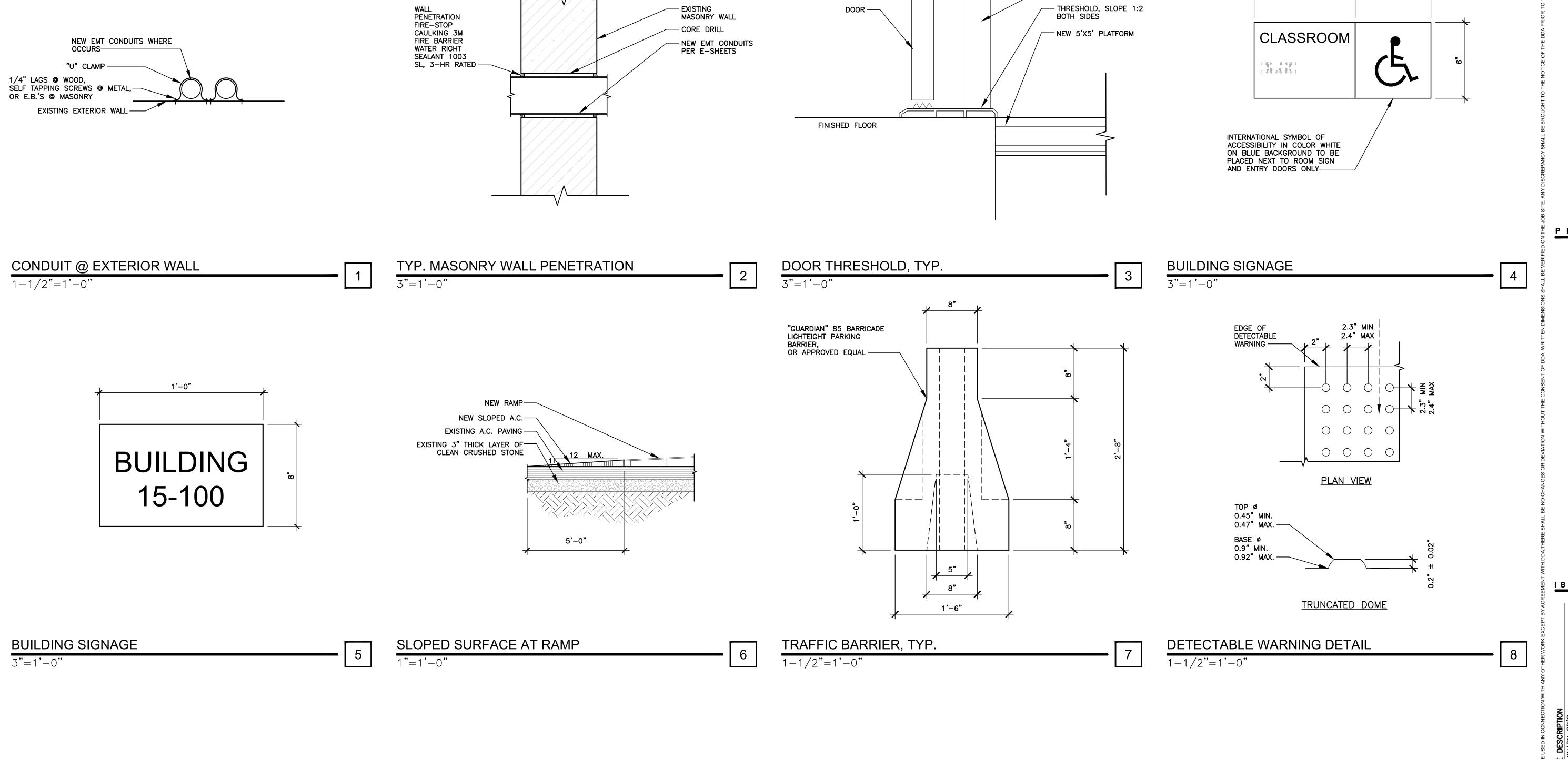
 11/15/22
 REBL
 90% CD's

 01/20/23
 REBL
 100% CD's

 02/23/23
 REBL
 PROJECTORS & SCREI

SHEET INFORMATION DI DONATO ASSOCIATES ARCHITECTURE + GRAPHICS

BLDG. 70 FIRST FLOOR PROJECT # 1902.13
PLOT SCALE 1:1 (24x36 'D' SIZE)



- EXISTING MASONRY WALL

- NEW EMT CONDUITS PER E-SHEETS

- CORE DRILL

NEW EMT CONDUITS WHERE OCCURS

DOOR —

— DOOR FRAME

— THRESHOLD, SLOPE 1:2 BOTH SIDES

CLASSROOM

--- NEW 5'X5' PLATFORM

PROJECT NAME COLLEGE GGROSSMONT PARKING LOT #1
SWING SPACE
8800 GROSSMONT COLLEG ISSUES REVISIONS
 DATE
 BY
 ISSUE DESCRIPTION

 07/30/22
 KMW
 PRELIMINARY CD'S

 10/17/22
 REBL
 80% CD's

 11/15/22
 REBL
 90% CD's

 01/20/23
 REBL
 100% CD's

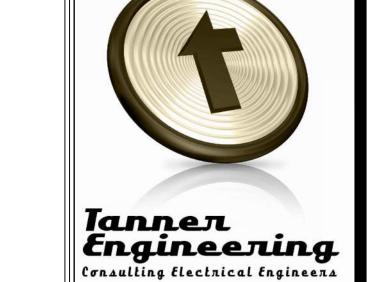
 02/23/23
 REBL
 PROJECTORS & SCREENS
 SHEET INFORMATION DI DONATO ASSOCIATES ARCHITECTURE + GRAPHICS

ARCHITECT

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

DETAILS

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





	ABBREVIATIONS			APPLICABLE CODES		SYMBOLS LEGEND	PROJECT IN	FORMATION					
				ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE REQUIREMENTS OF THESE CODES AND ALL APPLICABLE LOCAL ORDINANCES. C.C.R. IS THE CALIFORNIA CODE OF REGULATIONS. THE GOVERNING		SURFACE MOUNTED PANEL BOARD. JUNCTION BOX, FLUSH MOUNTED.	GROSSMONT CUYAMACA COMMUNITY COLLEGE DISTRICT. CHRISTINE COLE GAFCON PROJECT MANAGER						
٨	AMPERE (AMPS)	LCL	LONG CONTINUOUS LOAD	CODES ARE:		JUNCTION BOX, FLUSH MOUNTED.	PH. (619) 644-3958						
AC	ALTERNATING CURRENT	I RA	LOCKED ROTOR AMPS				ccole@gafcon.com						
AF	AMPS-FRAME (RATING)	LTG	LIGHTING	2019 CALIFORNIA ADMINSTRATIVE CODE (CAC) PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS	(JUNCTION BOX, CEILING MOUNTED.							
AIC	AMP INTERRUPTING CURRENT	MCC	MOTOR CONTROL CENTER	(CCR)									
AM	AMMETER AS AMP SWITCH (FUSED SWITCH RATING)	MCM (KCM)	THOUSAND CIRCULAR MILS			DISCONNECT SWITCH.		RING PROJECT MANAGER:					
AT	AMPS-TRIP (RATING)	MDF	MAIN DISTRIBUTION FAME	2019 CALIFORNIA BUILDING CODE(CBC)		DISCONNECT SWITCH.	ULISES NUÑEZ PH. (619) 713-1400						
AWG	AMERICAN WIRE GAUGE	MECH	MECHANICAL	PART 2, TITLE 24, CCR BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC)			DIRECT LINE (619)7						
BC BLDG	BARE COPPER BUILDING	NC NE	NORMALLY CLOSED NON-FUSED	BASED ON THE 2010 INTERNATIONAL BUILDING CODE (IBC)		WIRELESS ACCESS POINT, CEILING MOUNTED.	ulises@tannerengine	III $f I$					
C.	CONDUIT	NO NO	NORMALLY OPEN/NUMBER	2019 CALIFORNIA ELECTRICAL CODE (CEC)		Will (22200 / CO200 F Cility MOONTED)		PF					
СВ	CIRCUIT BREAKER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	PART 3, TITLE 24, CCR									
CO	CONDUIT ONLY	OFOI	OWNER FURNISHED OWNER INSTALLED	BASED ON THE 2017 NATIONAL ELECTRICAL CODE (NEC)				Sheet Index					
COMM	COMMUNICATIONS	Р	POLE	2019 CALIFORNIA MECHANICAL CODE (CMC)	₩	DUPLEX RECEPTACLE, FLUSH MOUNTED.	Sheet Number	Sheet Title					
CT	CURRENT TRANSFORMER	PH	PHASE	PART 4, TITLE 24, CCR			E0.1	TITLE SHEET					
CU	COPPER	POC	POINT OF CONNECTION	BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC)									
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED	PRS	PVC COATED RIGID STEEL (CONDUIT)	2040 CALIFORNIA DI LIMPINIC CODE (CDC)	I #	DUDLEY DECEDTAGLE, CEILING MOUNTED	E1.0	GROSSMONT SITE PLAN					
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	PT PVC	POTENTIAL TRANSFORMER	2019 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR	Ψ	DUPLEX RECEPTACLE, CEILING MOUNTED.	E2.0	POWER PLAN					
DCD DPDT	DOOR CONTROL DEVICE DOUBLE POLE DOUBLE THROW	SWBD	POLYVINYL CHLORIDE DUCT SWITCHBOARD	BASED ON THE 2018 UNIFORM PLUMBING CODE (CPC)									
DPST	DOUBLE POLE SINGLE THROW	TYP	TYPICAL			DATA OLITLET ELLIQUI MANALI MOLINITED IIVII DENIOTEO TUE	E3.0	BLDG. 15 AND 16 POWER AND DATA					
DWG	DRAWING EXIST EXISTING	UG	UNDERGROUND	2019 CALIFORNIA FIRE CODE (CFC)	← X	DATA OUTLET, FLUSH, WALL MOUNTED. "x" DENOTES THE QUANTITY OF DROPS.	E4.0	BUILDING 70 POWER AND DATA					
EXIST	EXISTING	UON	UNLESS OTHERWISE NOTED	PART 9, TITLE 24, CCR BASED ON THE 2018 INTERNATIONAL FIRE CODE (IFC)		QUANTITI OF BILOTO.							
FLA	FULL LOAD AMPS	V	VOLT	BASED ON THE 2010 INTERNATIONAL LINE CODE (II C)			E5.0	PARTIAL SINGLE LINE DIAGRAM					
FVR	FULL VOLTAGE REVERSING	VA	VOLTAMPERES			SINGLE DATA OUTLET, FLUSH, WALL MOUNTED. "+" DENOTES THE	E6.0	DETAILS					
FVNR	FULL VOLTAGE NON-REVERSING	VM	VOLTMETER		+	MOUNTING HEIGHT IN INCHES.	FA0.0	FIRE ALARM COVER SHEET					
GFI	GROUND FAULT INTERRUPTER	W	WIRE/WATTS										
GRD/GND HID	GROUND HIGH INTENSITY DISCHARGE	WAP	WIRELESS ACCESS POINT WEATHERPROOF (NEMA TYPE 3R)				FA1.0	FIRE ALARM PLAN					
HOA	HAND-OFF-AUTOMATIC	WT	WATERTIGHT				FA1.1	FIRE ALARM RISER DIAGRAM					
HP	HORSEPOWER	X	EXISTING TO REMAIN										
HPS	HIGH PRESSURE SODIUM	XL	EXISTING TO BE RELOCATED				FA1.2	FIRE ALARM CALCULATIONS					
HZ	HERTZ	XN	NEW LOCATION OF RELOCATED DEVICES				FA1.3	FIRE ALARM NAC PANEL DETAILS					
IDF	INTERMEDIATE DISTRIBUTION FRAME	XP	EXPLOSION PROOF (RATED FOR AREA HAZARD)				FA1.4	FIRE ALARM WIRING TYPICALS					
KW	KILOWATT						1731.7	THE ALARM VIIING THE TOALS					
1													
1													

LOCATION MAP

GENERAL NOTES

NOTIFY COLLEGE 48 HRS IN ADVANCE TO GET

2. TYPICAL DETAILS FOR THIS PROJECT APPLY TO ALL

3. ALL WALL AND ROOF PENETRATIONS SHALL BE

SPECIAL NOTE

REFERENCE ARCHITECTURAL DRAWINGS FOR ALL

PENETRATION DETAILS.

TREATED AS 1 HOUR FIRE RATED AND AND BE

DRAWINGS WHERE APPLICABLE, WHETHER NOTED

ACCESS TO LOCKED ROOMS.

OR NOT. NO EXCEPTIONS.

SEALED ACCORDINGLY.

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

GENERAL SEISMIC REQUIREMENTS

- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS, OR WATER.
- MOVABLE EQUIPMENT THAT IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS IS REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.
- THE ATTACHMENT OF THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT
- AND ASSOCIATED CONDUIT: COMPONENTS WEIGHTING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS
 - ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
 - 2. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL THE ENGINEER OF RECORD. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

- 1. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAIL IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT.
- WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION

SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, AND ELECTRICAL ENGINEER AND DSA FIELD ENGINEER.

TITLE SHEET

PROJECT SCOPE OF WORK

SUPPORT (2) NEW 40' x 48' MODULAR BUILDINGS.

ALARM AT NEW MODULAR BUILDINGS. VERIFY

EXISTING POWER AND DATA AT ROOM 70-112

UPGRADE EXISTING INFRASTRUCTURE TO

MODULAR BUILDINGS IN PARKING LOT 1 TO

PROVIDE COMMUNICATIONS, A/V AND FIRE

AND ROOM 70-113 IN BUILDING 70.

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

09-29-2022

AS NOTED

DRAWING NO.

FILE NAME: S:\3906 Grossmont College Multiple Modular Buildings (New and Remodel) and Building 70 Lab Remodel\00_CAD\3906_E0.1 TITLE SHEET.dwg USER: ULISES NUNEZ PLOT DATE: 1/13/2023 1:53 PM

GROSSMONT COLLEGE

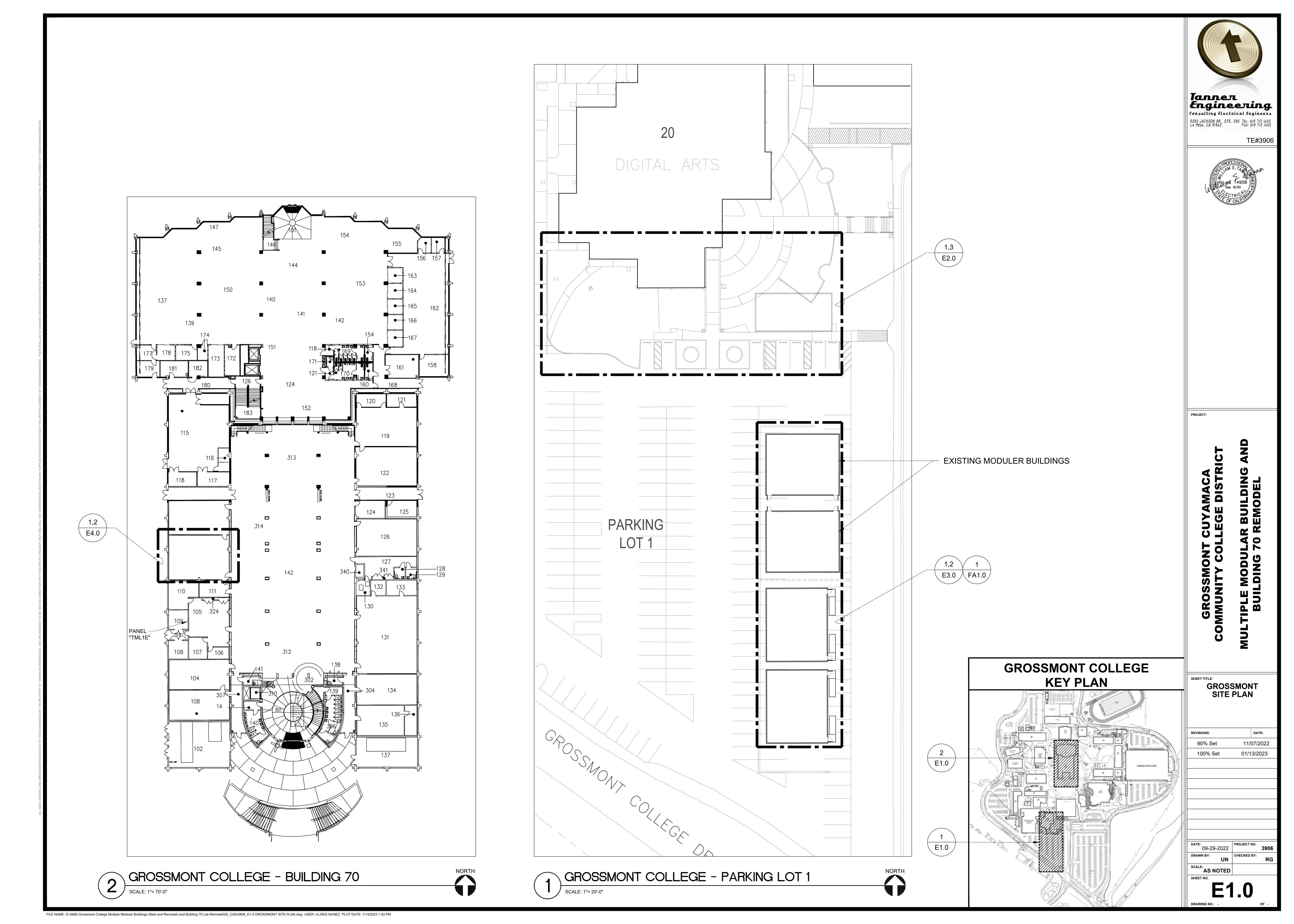
College

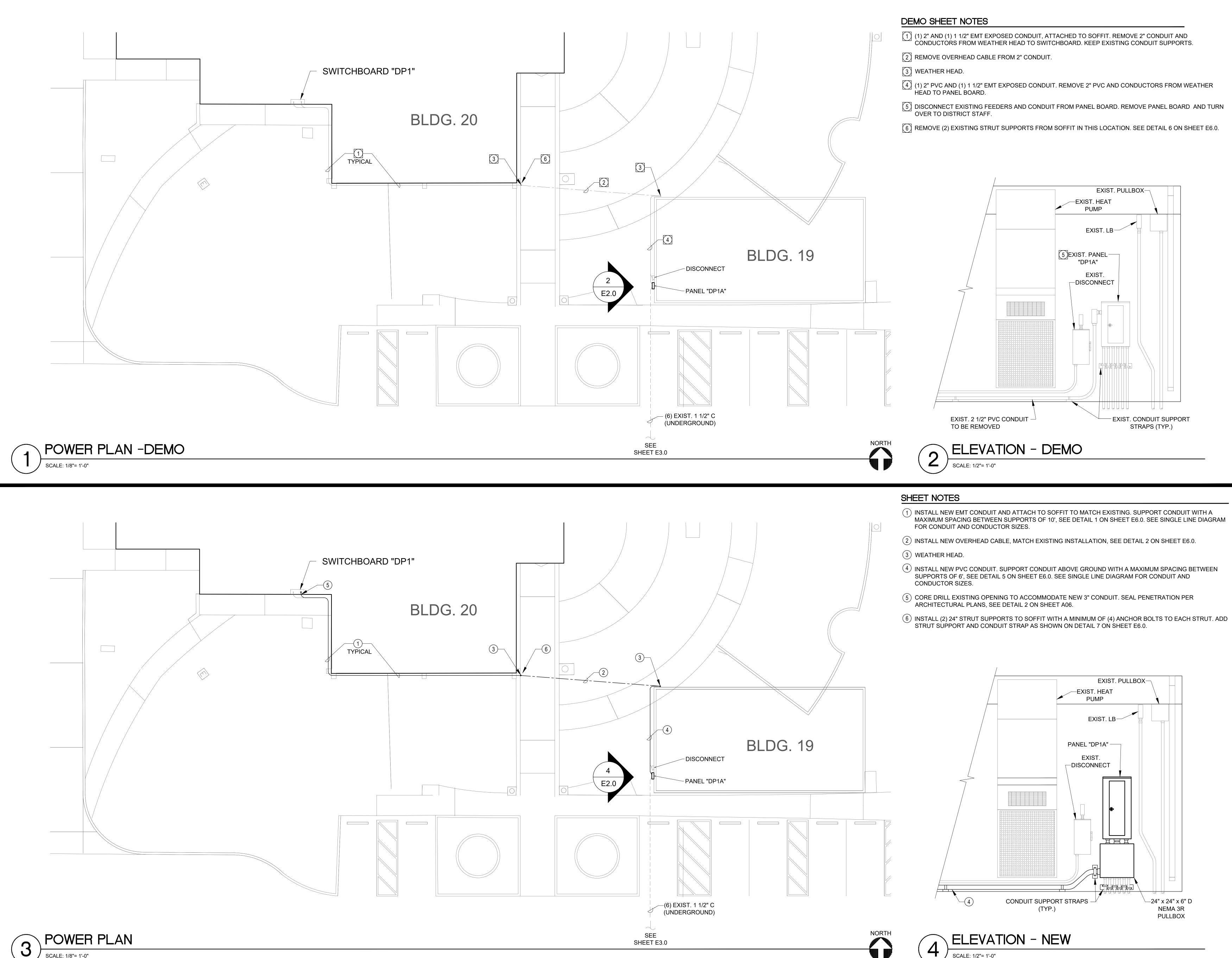
San Diego Welcome

College Theatre

The Church of

Jesus Christ of Latter...







Tannen Engineening Consulting Electrical Engineens

TE#3906



CUYAMACA LLEGE DISTRICT GROSSMONT COMMUNITY COL TIPLE MODUI BUILDING

SHEET TITLE:

POWER PLAN

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

09-29-2022

AS NOTED

-24" x 24" x 6" D

PULLBOX

FILE NAME: S:\3906 Grossmont College Multiple Modular Buildings (New and Remodel) and Building 70 Lab Remodel\00_CAD\3906_E2.0 POWER PLAN.dwg USER: ULISES NUNEZ PLOT DATE: 1/13/2023 1:53 PM



GENERAL NOTE

 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.
- 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



PROJEC

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						

TE: PROJECT NO. **3906**

DRAWN BY:

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SCALE:

SCALE:
AS NOTED

E3.0

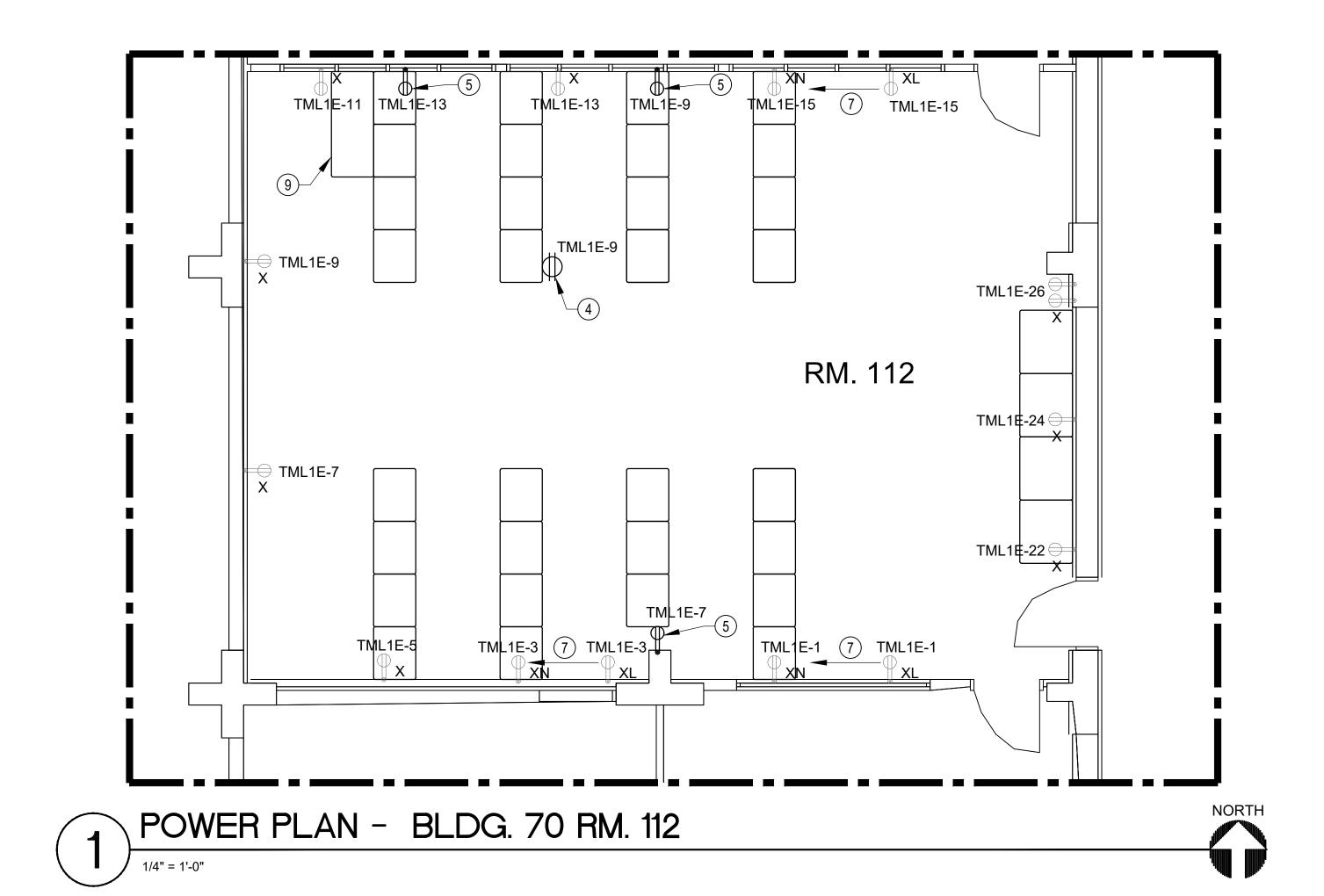
FILE NAME: S:\3906 Grossmont College Multiple Modular Buildings (New and Remodel) and Building 70 Lab Remodel\00_CAD\3906_E3.0 BLDG. 15 AND 16 POWER AND DATA.dwg USER: ULISES NUNEZ PLOT DATE: 1/13/2023 1:53 PM

RM. 112 AUDIO VIDEO PLAN - BLDG. 70 RM. 112

FILE NAME: S:\3906 Grossmont College Multiple Modular Buildings (New and Remodel) and Building 70 Lab Remodel\00_CAD\3906_E4.0 BLDG 70 POWER AND DATA.dwg USER: ULISES NUNEZ PLOT DATE: 1/13/2023 1:53 PM

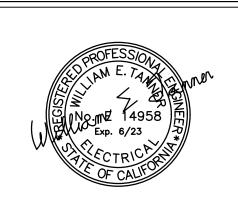


- (1) EXISTING IDF CABINET, ABOVE DOOR.
- (2) PROVIDE FLUSH MOUNTED JUNCTION BOX WITH "EXTRON" PLATE PER IT REQUIREMENTS. ROUTE ALL CABLES THROUGH CEILING FROM PROJECTOR TO INSTRUCTOR CART, SEE DETAIL 4 ON SHEET E6.0.
- (3) OFCI CEILING MOUNTED PROJECTOR AND CEILING MOUNTS. SEE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATION. SEE DETAIL 8 ON SHEET E6.0 FOR PROJECTOR MOUNT DETAIL.
- 4 CEILING MOUNT RECEPTACLE. EXTEND CIRCUIT FROM WALL AS SHOWN. RECEPTACLE SHALL BE INSTALLED ON THE PROJECTOR PLATE, SEE DETAIL 8 ON SHEET E6.0.
- (5) NEW RECEPTACLE IN EXISTING WIREWAY. INSTALL NEW POWER OUTLET, PROVIDE OUTLET PLATES TO MATCH EXISTING. CONNECT TO CIRCUIT NUMBER AS SHOWN.
- (6) 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.
- (7) RELOCATE EXISTING OUTLET AS SHOWN, EXTEND CIRCUITS TO NEW LOCATION. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
- 8 RELOCATE EXISTING DATA OUTLET AS SHOWN. RUN AND TERMINATE NEW DATA CABLES TO IDF CABINET. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
- (9) INSTRUCTOR CART LOCATION, SEE ARCHTICTURAL DRAWINGS FOR EXACT LOCATION.



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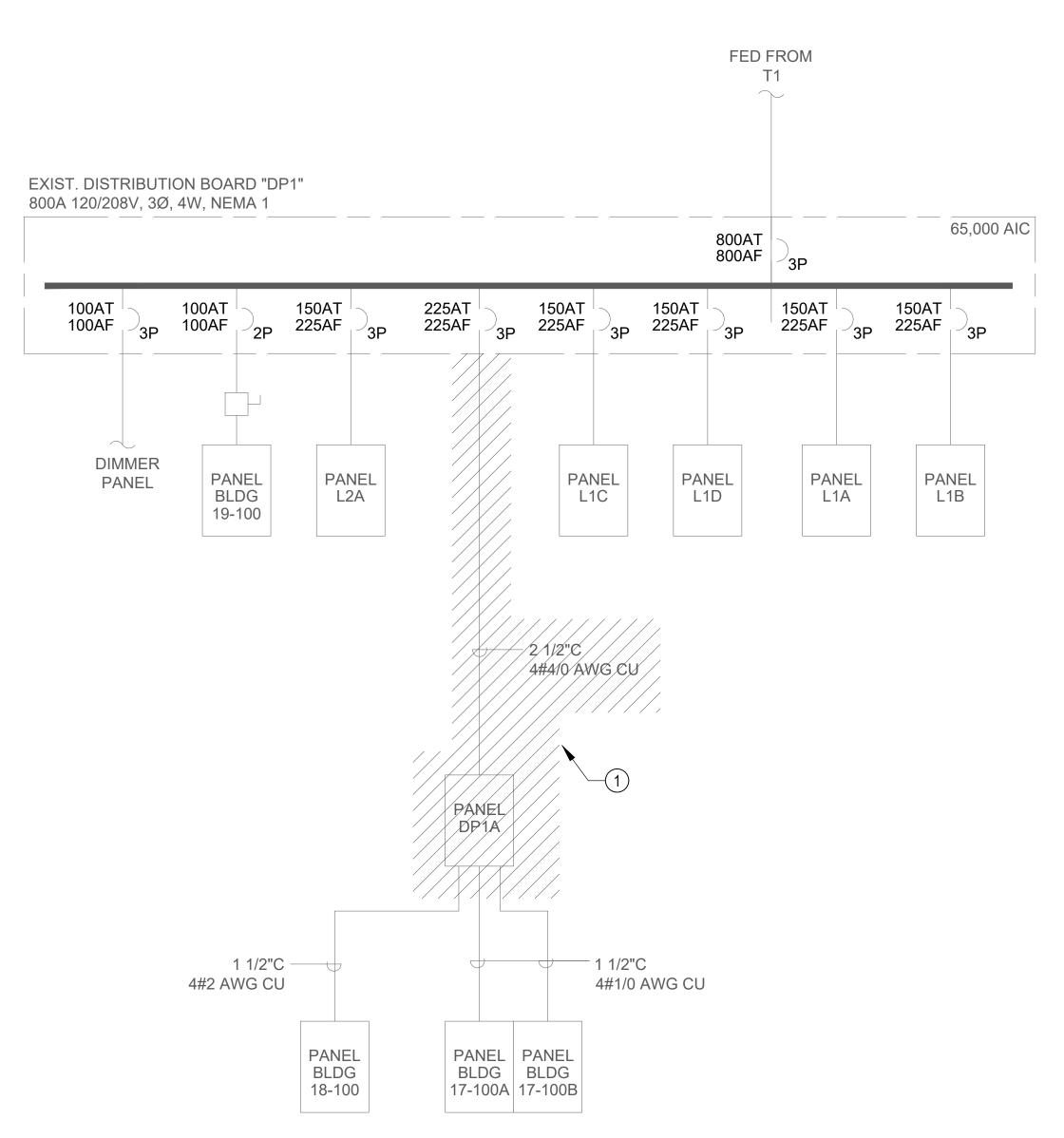
TE#3906

GROSSMONT CUYAMACA COMMUNITY COLLEGE DISTRIC

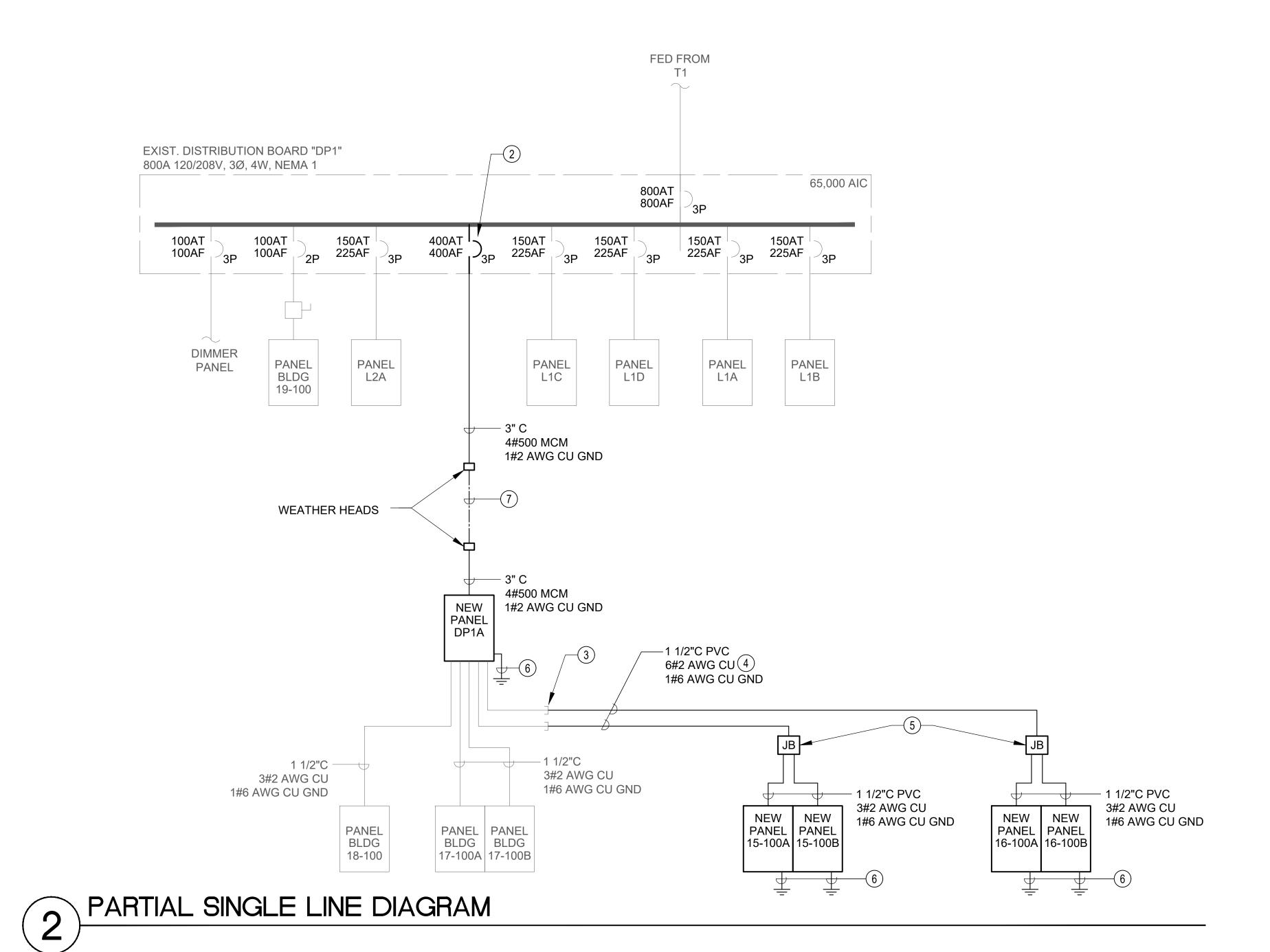
BUILDING 70 POWER AND DATA

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

AS NOTED

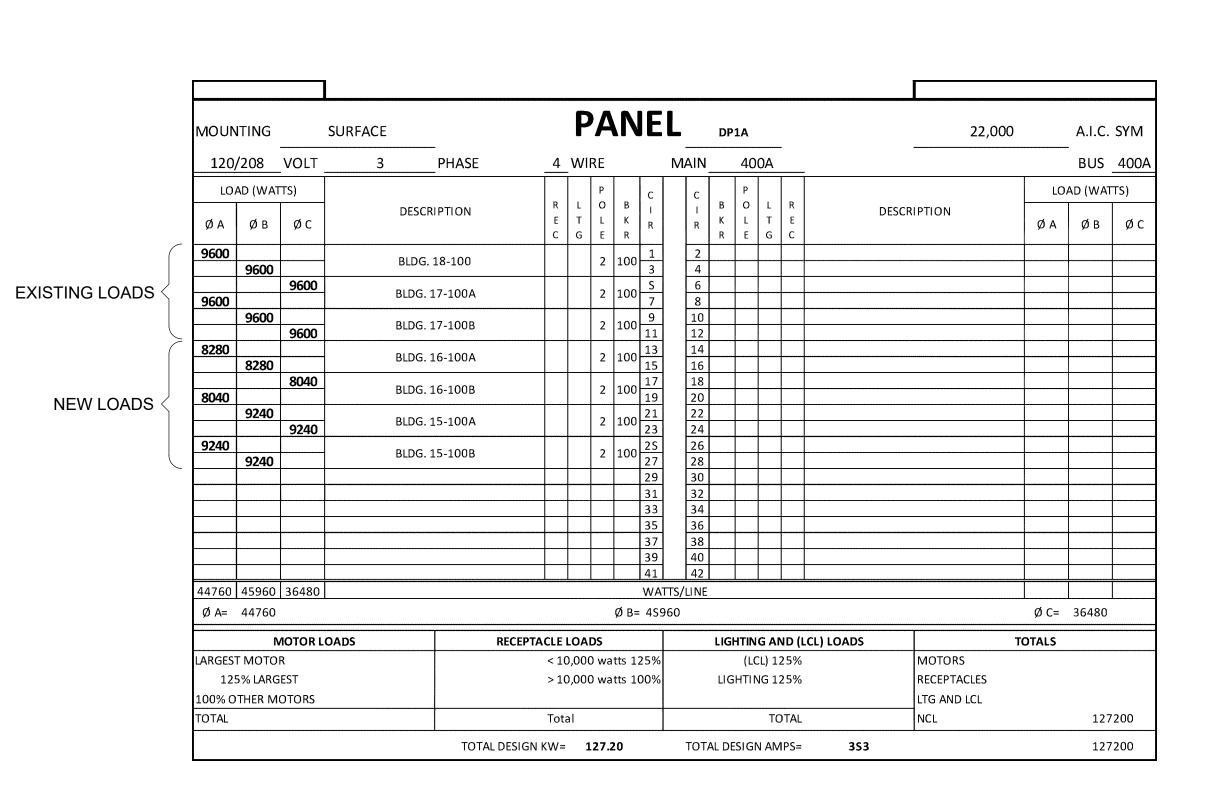


PARTIAL SINGLE LINE DIAGRAM - DEMO



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 QUADRUPLEX OVERHEAD SERVICE DROP CABLE. UTILIZE APPROVED WEATHERPROOF CONNECTORS FOR THIS USE.

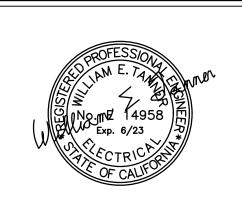


PANEL SCHEDULE



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TE#3906



PROJECT:

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

PARTIAL SINGLE LINE DIAGRAM

l		
	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

AS NOTED EET NO.

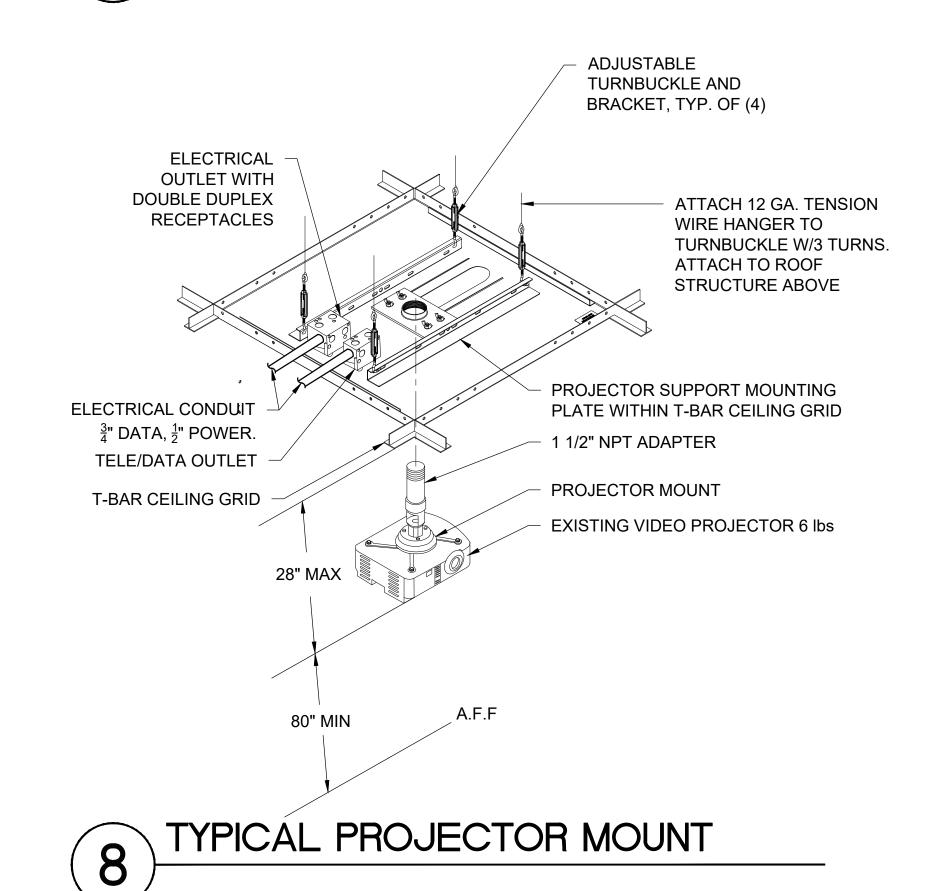
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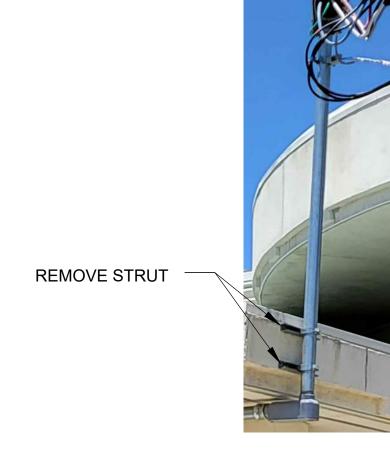














6 EXISTING STRUT SUPPORT



FILE NAME: S:\3906 Grossmont College Multiple Modular Buildings (New and Remodel) and Building 70 Lab Remodel\00_CAD\3906_E6.0 DETAILS.dwg USER: ULISES NUNEZ PLOT DATE: 1/13/2023 1:53 PM

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TE#3906

PROFESSION AND EXP. 6/23

Exp. 6/23

**
OF CALIFORNIA

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PROJECT:

COMMUNITY COLLEGE DISTRICT
MULTIPLE MODULAR BUILDING AND
RUIL DING 70 REMODEL

SHEET TITLE:

PREVISIONS: DATE:

90% Set 11/07/2022

100% Set 01/13/2023

DETAILS

DATE: PROJECT NO. 390

DRAWN BY: CHECKED BY:

T NO.

E6.0

GROSSMONT COMMUNITY COLLEGE DISTRICT MULTIPLE MODULAR BUILDING AND BUILDING 70 REMODEL FIRE ALARM SYSTEM

APPLICABLE CODES & STANDARDS

019 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



Engineening

TE#3906



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								

FIRE ALARM SYMBOL LEGEND

LEGENDS

QTY SYMBOL	DESCRIPTION	BRAND	MODEL	BACKBOX	WIRE TYPE	CSFM#	2019 CALIFORNIA ELECTRICAL CODE(CEC) TITLE 24, PART 3, CCR (BASED ON THE 2017 NATIONAL ELECTRIC CODE(NEC)
PANELS					·		
E FACP	4100ES FIRE ALARM CONTROL PANEL, 120 VAC	SIMPLEX	4100-9111	SIMPLEX CABINET	N/A	7165-0026:0251	2019 CALIFORNIA MECHANICAL CODE(CMC) TITLE 24, PART 4, CCR (BASED ON THE 2018 UNIFORM MECHANICAL CODE(UMC)
E NAC#	4009 IDNET NAC EXTENDER PANEL, 120 VAC, BEIGE	SIMPLEX	4009-9201	SIMPLEX CABINET	N/A	7300-0026:0214	2019 CALIFORNIA PLUMBING CODE(CPC) TITLE 24, PART 5, CCR (BASED ON THE 2018 UNIFORM PLUMBING
INITIATING	DEVICES	•					CODE(UPC)
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	2019 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24, CCR
4 (4)	ADDRESSABLE STANDARD HEAT SENSOR W/ STANDARD BASE	SIMPLEX	4098-9733 HEAD 4098-9792 BASE	4" OCT, 1-1/2" D	М		2019 CALIFORNIA HISTORICAL BUILDING CODE (CHBC) PART 8, TITLE 24, CCR
	ION APPLIANCES ** TAP ALL SPEAKERS AT 70.7 VOLTS **	7300-0026:0217	2019 CALIFORNIA FIRE CODE(CFC) TITLE 24, PART 9, CCR (BASED ON THE 2015 INTERNATIONAL FIRE CODE(IFC)				
2 Z # 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	2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN) PART 11, TITLE 24, CCR
2 HWP	CONVENTIONAL MULTI-TONE HORN, OUTDOOR ,WALL MOUNT, RED, FIRE	SYSTEM SENSOR	HRK	SINGLE GANG 2" D		7125-0026:0380	2019 CALIFORNIA REFERENCED STANDARDS CODE (CRSC) PART 12, TITLE 24, CCR
MISCELLA	NEOUS DEVICES	•			<u>'</u>		2040 NEDA 72 WITH 2046 CALIFORNIA AMENDMENTO
1 SS	OVERVOLTAGE SUPPRESSOR - IDNET OR POWER	SIMPLEX	2081-9044			7300-0026:0171	2019 NFPA 72 WITH 2016 CALIFORNIA AMENDMENTS ABBREVIATIONS:
2 SS _N	TRANSIENT CUBE	SIMPLEX	2081-9028	4" SQ. 2-1/8" D		7300-0026:0171	CSFM = CALIFORNIA STATE FIRE MARSHAL
5 JB	JUNCTION BOX	BY OTHERS	BY OTHERS				OCCUPANCY TYPE(S): SPRINKLER PROTECTION: E EDUCATIONAL GROUP BUILDING IS NOT SPRINKLERED
<u>'</u>						•	

ווצ	SYMBOL	DESCRIPTION	BRAND	MODEL	BACKBOX	TYPE	CSFM#
	PANELS					•	
Е	FACP	4100ES FIRE ALARM CONTROL PANEL, 120 VAC	SIMPLEX	4100-9111	SIMPLEX CABINET	N/A	7165-0026:0251
Е	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	SIMPLEX	4098-9714 HEAD	4" OCT, 1-1/2" D	М	7272-0026:0218
	<u> </u>	— BASE 4090-97921		4098-9792 BASE	. 33., 3		7300-0026:0217
4 ADDRESSABLE STANDARD HEAT SENSOR W/ STANDARD BASE		SIMPLEX	4098-9733 HEAD	4" OCT, 1-1/2" D	M	7270-0026:021	
				4098-9792 BASE			7300-0026:021
	NOTIFICATI	ON 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
	MISCELLAN	IEOUS DEVICES					
1	SSD	OVERVOLTAGE SUPPRESSOR - IDNET OR POWER	SIMPLEX	2081-9044			7300-0026:0171
2	SS	TRANSIENT CUBE	SIMPLEX	2081-9028	4" SQ. 2-1/8" D		7300-0026:017
5	JB	JUNCTION BOX	BY OTHERS	BY OTHERS			

ACCEPTABLE

STP = SHIELDED TWISTED PAIR

PANELS					TYPE	
PANELS					•	
FACP	4100ES FIRE ALARM CONTROL PANEL, 120 VAC	SIMPLEX	4100-9111	SIMPLEX CABINET	N/A	7165-0026:025
E NAC# 4009 IDNET NAC EXTENDER PANEL, 120 VAC, BEIGE		SIMPLEX	4009-9201	SIMPLEX CABINET	N/A	7300-0026:021
NITIATING	DEVICES				•	
(<)	ADDRESSABLE PHOTOELECTRIC SMOKE SENSOR W/ STANDARD	SIMPLEX	4098-9714 HEAD	4" OCT 1-1/2" D	М	7272-0026:021
<u> </u>	BASE	_				7300-0026:021
$\langle \overline{\bot} \rangle$	ADDRESSABI E STANDARD HEAT SENSOR W/ STANDARD BASE	SIMPLEX		4" OCT. 1-1/2" D	M	7270-0026:021
•	TIBBLESON BEE STATES THE ATT SERVICE TO THE BASE		4098-9792 BASE			7300-0026:021
NOTIFICATI	ON APPLIANCES ** TAP ALL SPEAKERS AT 70.7 VOLTS **					
17 11	CONVENTIONAL MULTI-CANDELA HORN/STROBE ,CEILING MOUNT, WHITE, CLEAR LENS, FIRE	SIMPLEX	4906-9130	4" SQ. 1-1/2" D	V	7125-0026:031
HWP	CONVENTIONAL MULTI-TONE HORN, OUTDOOR ,WALL MOUNT, RED, FIRE	SYSTEM SENSOR	HRK	SINGLE GANG 2" D		7125-0026:038
MISCELLAN	IEOUS DEVICES				'	
SS	OVERVOLTAGE SUPPRESSOR - IDNET OR POWER	SIMPLEX	2081-9044			7300-0026:017
SS _N	TRANSIENT CUBE	SIMPLEX	2081-9028	4" SQ. 2-1/8" D		7300-0026:017
JB	JUNCTION BOX	BY OTHERS	BY OTHERS			
_	NAC# NITIATING S NOTIFICATI # C H WP MISCELLAN SS D SS N	NITIATING DEVICES ADDRESSABLE PHOTOELECTRIC SMOKE SENSOR W/ STANDARD BASE ADDRESSABLE STANDARD HEAT SENSOR W/ STANDARD BASE NOTIFICATION APPLIANCES ** TAP ALL SPEAKERS AT 70.7 VOLTS ** CONVENTIONAL MULTI-CANDELA HORN/STROBE ,CEILING MOUNT, WHITE, CLEAR LENS, FIRE WP CONVENTIONAL MULTI-TONE HORN, OUTDOOR ,WALL MOUNT, RED, FIRE MISCELLANEOUS DEVICES SS OVERVOLTAGE SUPPRESSOR - IDNET OR POWER TRANSIENT CUBE	NITIATING DEVICES ADDRESSABLE PHOTOELECTRIC SMOKE SENSOR W/ STANDARD BASE ADDRESSABLE STANDARD HEAT SENSOR W/ STANDARD BASE NOTIFICATION APPLIANCES ** TAP ALL SPEAKERS AT 70.7 VOLTS ** CONVENTIONAL MULTI-CANDELA HORN/STROBE, CEILING MOUNT, WHITE, CLEAR LENS, FIRE WP CONVENTIONAL MULTI-TONE HORN, OUTDOOR, WALL MOUNT, RED, FIRE SS OVERVOLTAGE SUPPRESSOR - IDNET OR POWER SIMPLEX SIMPLEX	NITIATING DEVICES SIMPLEX 4009-9201 NITIATING DEVICES ADDRESSABLE PHOTOELECTRIC SMOKE SENSOR W/ STANDARD BASE ADDRESSABLE STANDARD HEAT SENSOR W/ STANDARD BASE NOTIFICATION APPLIANCES ** TAP ALL SPEAKERS AT 70.7 VOLTS ** CONVENTIONAL MULTI-CANDELA HORN/STROBE ,CEILING MOUNT, WHITE, CLEAR LENS, FIRE CONVENTIONAL MULTI-TONE HORN, OUTDOOR ,WALL MOUNT, RED, FIRE SYSTEM SENSOR MISCELLANEOUS DEVICES SIMPLEX 4098-9733 HEAD 4098-9792 BASE HRK SENSOR HRK SENSOR HRK SENSOR HRK SENSOR SIMPLEX 2081-9044 SSIN TRANSIENT CUBE SIMPLEX 2081-9028 SIMPLEX 2081-9028	NITIATING DEVICES ADDRESSABLE PHOTOELECTRIC SMOKE SENSOR W/ STANDARD BASE ADDRESSABLE STANDARD HEAT SENSOR W/ STANDARD BASE NOTIFICATION APPLIANCES ** TAP ALL SPEAKERS AT 70.7 VOLTS ** CONVENTIONAL MULTI-CANDELA HORN/STROBE, CEILING MOUNT, WHITE, CLEAR LENS, FIRE CONVENTIONAL MULTI-TONE HORN, OUTDOOR, WALL MOUNT, RED, FIRE SIMPLEX 4009-9201 SIMPLEX 4009-9201 SIMPLEX 4098-9714 HEAD 4098-9792 BASE 4" OCT, 1-1/2" D 4" OCT, 1-1/2" D 4" OCT, 1-1/2" D SIMPLEX 4098-9733 HEAD 4098-9792 BASE 4" OCT, 1-1/2" D SIMPLEX 4096-9130 4" SQ. 1-1/2" D WISCELLANEOUS DEVICES SIMPLEX SIMPLEX 2081-9044 SIMPLEX 2081-9044 TRANSIENT CUBE 4" SQ. 2-1/8" D	NITIATING DEVICES ADDRESSABLE PHOTOELECTRIC SMOKE SENSOR W/ STANDARD BASE ADDRESSABLE STANDARD HEAT SENSOR W/ STANDARD HOTELECTRIC SMOKE SENSOR W/ STANDARD BASE ADDRESSABLE STANDARD HEAT SENSOR W/ STANDARD HOTELECTRIC SMOKE SENSOR HOT

SCOPE OF WORK

BUILDING CODE(IBC)

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 UUJS 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.

DEVICE TAG LEGEND

Sales Representative

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PHONE:1-858-633-9114

Project Manager

Cesar.Zepeda@jci.com

Scott.Sabasco@jci,com PHONE:1-858-633-9103

PHONE:619-241-5216

Scheduling

PANF	EL DESIGNATOR
•	FA: = FACP (NON-NETWORK)
•	#: = NODE NUMBER
•	T#: = TRANSPONDER NUMBER
•	#:T# = NODE:TRANSPONDER NU

JOHNSON CONTROLS CONTACTS

William.Hook@jci.com PHONE: 1-858-633-9121

Project Drafter

James.Ruiz@jci.com PHONE: 1-858-633-9110

• N#: = NAC EXTENDER NUMBER CIRCUIT DESIGNATOR • A# = IDNAC¹ CIRCUIT NUMBER

• D# = DOOR HOLDER CIRCUIT NUMBER • F# = FIRE PHONE CIRCUIT • H# = AUDIBLE (HORN) CIRCUIT NUMBER M# = IDNET LOOP NUMBER

 P# = POWER CIRCUIT NUMBER S# = SPEAKER CIRCUIT NUMBER • V# = VISUAL CIRCUIT NUMBER • Z# = ZONE NUMBER - DEVICE NUMBER

- BRANCH / ISOLATED LOOP DESIGNATOR: • (L#) = IDNET ISOLATED LOOP NUMBER • (#) = IDNAC BRANCH NUMBER • (E#:#) = EPR² NUMBER:BRANCH NUMBER

1. IDNAC = ADDRESSABLE NOTIFICATION CIRCUIT 1:T2:A2-1(E1:1) 2. EPR = ENHANCED POWER REPEATER

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

- 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. 4. A STAMPED SET OF APPROVED FIRE ALARM DRAWINGS SHALL BE AT THE JOB SITE AND SHALL BE USED FOR
- 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.

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. 10. 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. 11. 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. 13. 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 14 FIRE ALARM CABLE INSTALLED IN DUCTS. PLENUM, AND OTHER SPACES USED FOR ENVIRONMENTAL AIR SHALL
- BE TYPE FPLP. 15. FIRE ALARM CABLE INSTALLED IN THE VERTICAL RUNS AND PENETRATING MORE THAN ONE FLOOR OR CABLES
- 16. FIRE ALARM CABLE INSTALLED IN UNDERGROUND CONDUIT OR OTHER WET LOCATIONS SHALL BE UL LISTED
- 17. FIRE ALARM CIRCUITS EXTENDING BEYOND ONE BUILDING AND RUN OUTDOORS SHALL BE INSTALLED IN
- ACCORDANCE APPLICABLE ELECTRICAL CODES, WHERE APPLICABLE
- 18. ALL WIRING, INCLUDING SHIELDS MUST BE DRY AND FREE OF SHORTS AND GROUNDS. 19. ALL SHIELDED WIRE MUST HAVE SHIELD CONTINUITY AT FULL LENGTH OF THE WIRE.
- 20. ONLY SYSTEM WIRING CAN BE RUN IN THE SAME CONDUIT. 21. 120VAC IS NOT PERMITTED IN THE SAME CONDUIT WITH LOW VOLTAGE WIRING

INSTALLED IN VERTICAL RUNS IN SHAFTS SHALL BE TYPE FPLR.

- 22. MAINTAIN MAXIMUM CONDUIT FILL RATIO AS PER APPLICABLE ELECTRICAL CODES REQUIREMENTS.
- 23. 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.

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CABLE TYPES FIRE ALARM WIRE LEGEND CIRCUIT DESCRIPTION | CONSTRUCTION | GAUGE | CIRCUIT PROPERTIES H AUDIBLE CIRCUIT UTP SOLID 14 AWG **Hb** AUDIBLE - OUTDOOR UTP SOLID 14 AWG 60µF MAX TOTAL LINE M IDNET **UTP SOLID** 18 AWG DIRECT BURIAL/UNDERGROUND Mb IDNET - OUTDOOR UTP SOLID 18 AWG IN CONDUIT/AERIAL** V VISUAL **UTP SOLID** 14 AWG DIRECT BURIAL/UNDERGROUND **Vb** VISUAL - OUTDOOR **UTP SOLID** 14 AWG IN CONDUIT/AERIAL** **CONDUIT SIZE** MAX CONDUCTOR AREA CONDUIT SIZE MAX CONDUCTOR AREA 0.122 SQ. INCH* 0.598 SQ INCH* 1/2" 0.213 SQ INCH* 0.814 SQ INCH* 0.346 SQ INCH* 1.342 SQ INCH*

TEMS 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

* 40% CONDUIT FILL PER N.E.C

SYSTEM SEQUENCE OF OPERATIONS

	SYSTEM OUTPUTS A ACTUATE COMMON ALARM SIGNAL INDICATOR		ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE TROUBLE SIGNAL	ACTUATE APPROPRIATE LOCATION INDICATOR	ACTUATE ALL AUDIBLE EVACUATION SIGNALS	ACTUATE 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 CO	UNUSED	UNUSED
SYSTEM INPUTS	A	_	C	D	E	F	G	Н		J	K	L	М	N	0	P	Q	R	s	T
1 SMOKE SENSOR/DETECTOR	X	_	† -			-	X	Х	Х		X	X	<u> </u>			Ė				\dashv
2 HEAT SENSOR/DETECTOR	X	_					Χ	Χ	Χ		Χ	Х								\Box
3 FIRE ALARM AC POWER FAILURE					Х	Х					Χ			Х						\Box
4 FIRE ALARM SYSTEM LOW BATTERY					Х	Х					Х			Х						
5 OPEN CIRCUIT OR GROUND FAULT					Χ	Х					Х			Х						
1 0 101 211 011 011 011 011 011 011																				

SHEET TITLE:

PROJECT:

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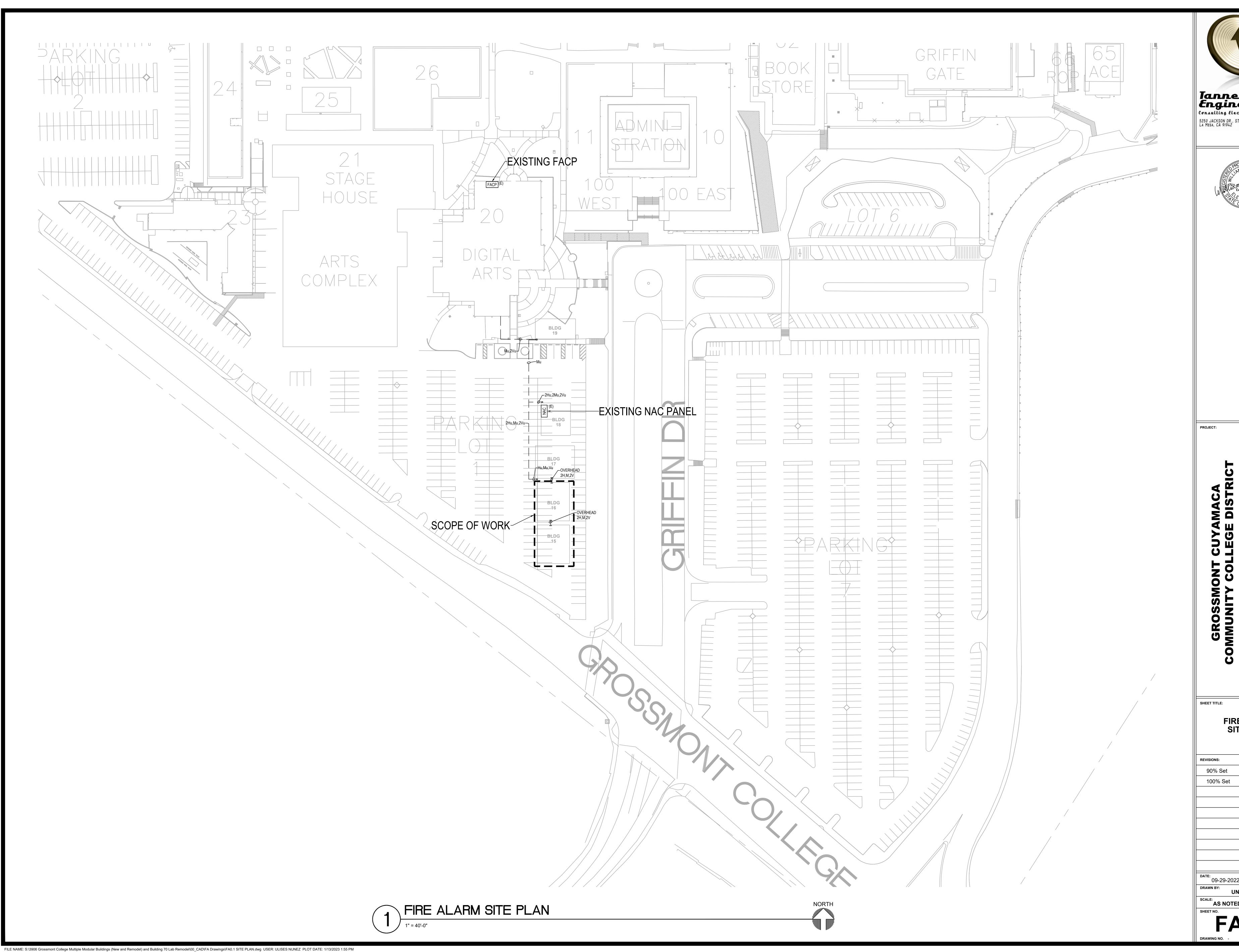
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FIRE ALARM **COVER SHEET**

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

09-29-2022

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FIRE ALARM SITE PLAN

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100% Set	01/13/2023

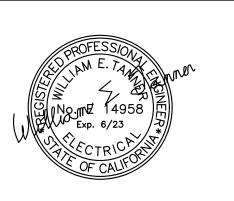
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1 INTERCEPT EXISTING CIRCUITS AND EXTEND TO NEW RELOS AS SHOWN



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TE#3906



PROJECT:

GROSSMONT CUYAMACA
OMMUNITY COLLEGE DISTRICT
LTIPLE MODULAR BUILDING AND

SHEET TITLE:

FIRE ALARM PLAN

REVISIONS:		DATE:
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100% Set	01/	13/2023

DATE: BROJECT NO

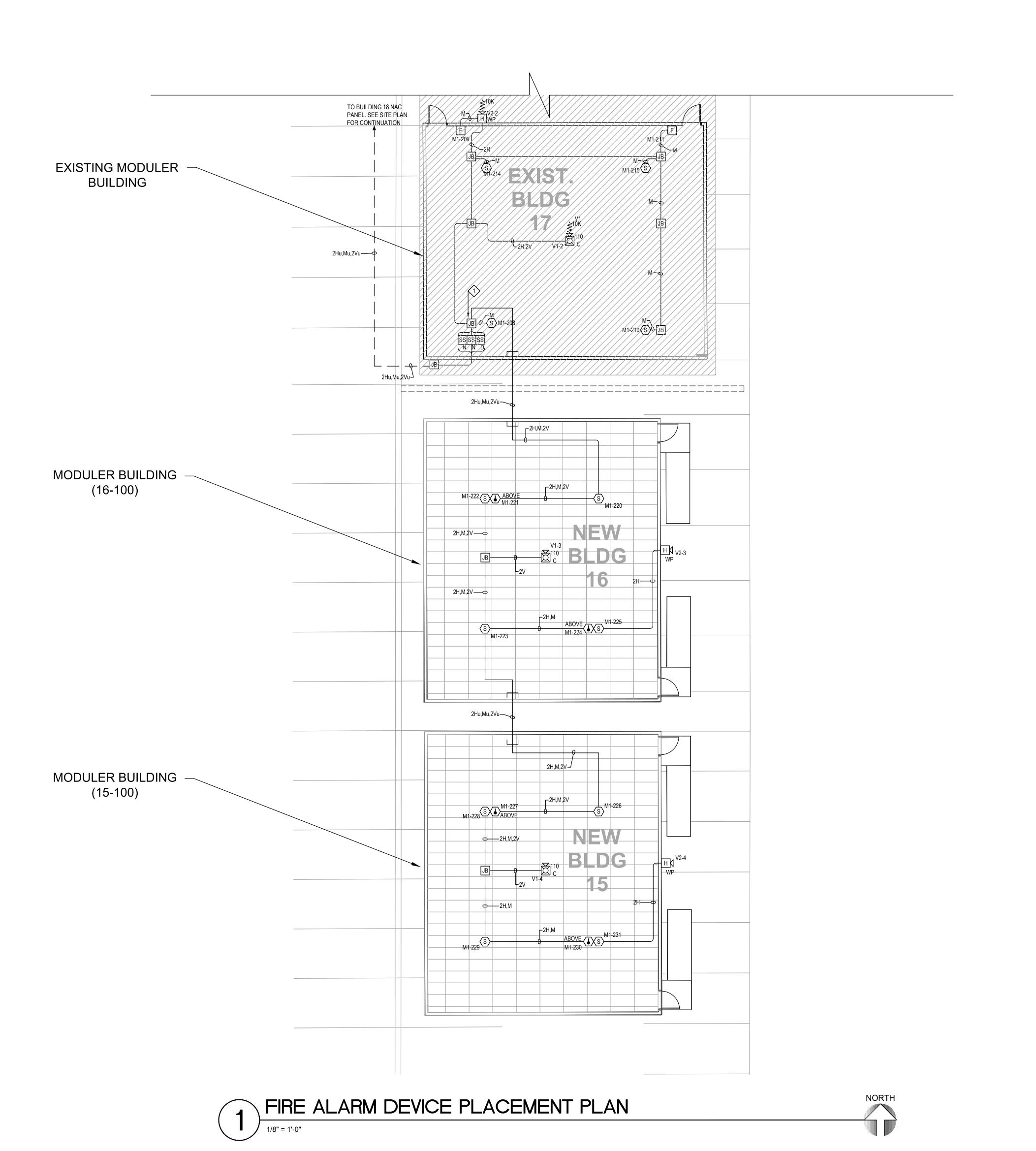
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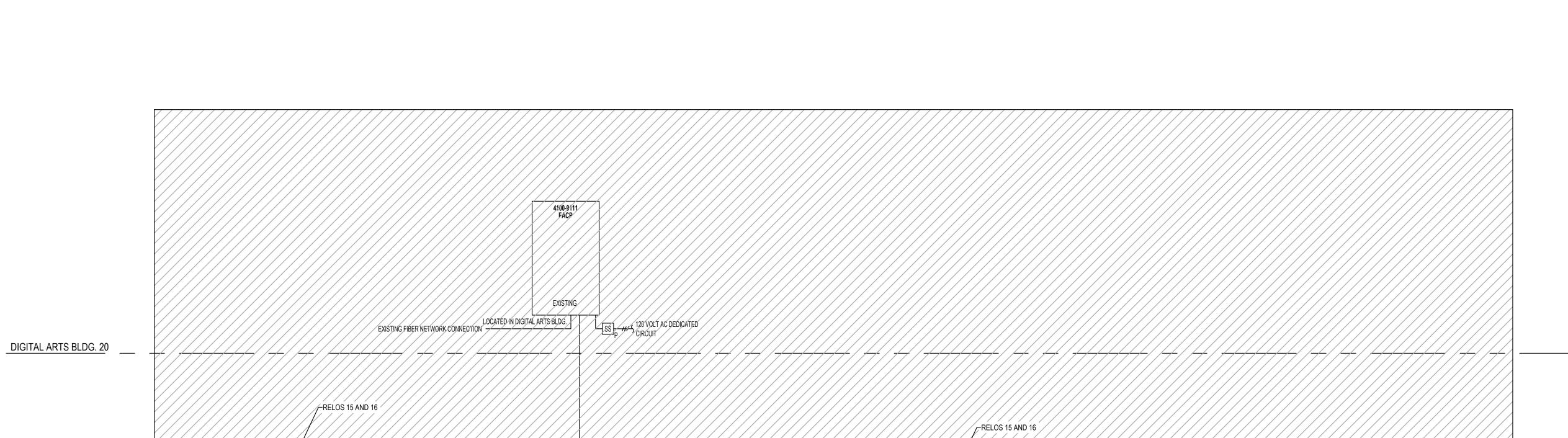
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FILE NAME: S:\3906 Grossmont College Multiple Modular Buildings (New and Remodel) and Building 70 Lab Remodel\00_CAD\FA Drawings\FA1.0 FIRE ALARM PLAN.dwg USER: ULISES NUNEZ PLOT DATE: 1/13/2023 1:55 PM



4009
EXISTING
NAC
M1-216

LOCATED IN
BLDG 18

M. 212 18

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Consulting Electrical Engineers
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TE#3906



DIGITAL ARTS BLDG. 20

PROJECT:

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

SHEET TITLE:

FIRE ALARM RISER DIAGRAM

REVISIONS:	DATE:	
90% Set	11/07/20	22
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DATE: 09-29-2022 PROJECT NO. 39

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SCALE:
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SHEET NO.

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		///	Battery /	Standby /	/ Total /	/ / Alarm / / /	Total
	Module Evicting Band Equipment	Qty /	Description Set #	Current	Standby	Current /	/ Alarm
	Existing Panel Equipmer 4100-9111	//	4100U CONFIG. DOMESTIC 120V	0.373000	0,373000	0,470000	0.470000
/	4100-6052	1/1/	EVENT REPORTING DACT	0.030000	0,830000	0.470000	0.040000
//	4100-5120	1/1/	TrueAlert Power Supply, 3, Channels, 120V	0.088000	0.088000	0.100000	0.100000
	4100-6014	1/1/	NETWORK IF CARD, WIRED	0,046000	0.046000	0.046000	0.046000
	4100-6057	/2/	NETWORK MEDIA CARD FIBER OPTIC	0.025000	0.050000	0.025000	0.050000
		///		Total Panel Stby	0.587000	Total Panel Alarm	0,706,000
	Existing Peripheral Devi	es //					/////
	4904-9359	23/	TRUEALERT 15CD VISIBLE ONLY WHITE CEILING	0.000200	0.004600/	0.089000	2.047000
	4904-9360	1/1/	TRUEALERT 75CD VISIBLE ONLY WHITE CEILING	0,000200	0.000200	0.227000	0.227000
	4903-9459	10	TRUEALERT 1500 AUDIBLE/VISIBLE WHITE CEILING	0.000200	0.002000	0.104000	1.040000
//	4903-9460	/ 15 /	TRUEALERT 75CD AUDIBLEIVISIBLE WHITE CEILING	0.000200	0.003000	0.241000	3.615000
	4903-9461	//1/	TRUEÁLERT 110CD ÁUDÍBLÉ/VÍSIBLE WHITE CEIKING	0.000200	0.000200	0.319000	0,319000
/{	4903-9450 4903-9451	4/	TRUEALERT 15CD AUDIBLE/VISIBLE RED TRUEALERT 75CD AUDIBLE/VISIBLE RED	0.000200	0.000800	0,082000 0,193000	0.328000
	4903-9452	1/1/	TRUEALERT 13CD/AUDIBLE/VISIBLE RED	0.000200	0.900200	0,239000	0.239000
/	4905-9816	4/	TRUEALERT ADAPTER MODULE	0.000425	0,001,700	0.018000	0.072000
	4090-9002	12/	IDNET RELAYIAM	0.000000	0.000000	0.000000	0.000000
	4098-9792	151	TRUEALARM SENSOR BASE / /*	0,000,000	0.000000	0.000000	0.000000
	4098-9714	103	TRUEALARM PHOTO SMOKE SENSOR	///0,000000///	0.000000	0.000000	0.000000
	4098-9733	52	TRUEALARM HEAT SENSOR	0.000000	0.000000	0.000000	0,000000
	4090-9001/	/_0/	JIDNET SUPERVISED IAM / / / /	0.000000	0.000000	0.000000	0.000000
/	4099-9001	4/	JIDNET SINGLE ACTION PULL STATION *	0.000000	0.000000	0,060000	0.000000/
/	4098-9756	///	TRUÉALARM DÚCT SMOKÉ SÉNSÓR W KELÁY OUTPUT	0.002400	0.028800	0.015000	0.180000
$/ \downarrow$	4098-9843 4090-9101	12/	ENCAPSULATED RELAY PAM-SD IDNET CLASS B MONITOR ZAM *	0.002400	0.028800 0.016000	0.01,5000 0.072000	0.180000 0.072000
<u>/</u>	4098-9714	8	TRUEALARM PHOTO SMOKE SENSOR	0.000000	0.000000	0.000000	0.000000
<u>.</u> ⊦	4098-9733 4098-9792	12	TRUEALARM HEAT SENSOR TRUEALARM SENSOR BASE *	0.000000	0.000000	0.000000 0.000000	0.000000
焟			rchased Items Requiring System Power	0.00000	0.000000	0.000000	0.000000
	MT-12/24-R	4	Wheeleck, Multitone Electronic Horn, Weatherproof	0,000,000	0.000000	0.038000	0.152000
	50R//	1/1/	FireRay Beam Detector	0,004000	0.004000	0.014000	0.014000
				Total Periph Stby	0,090,5	Total Periph Alarm	8.678
//		///		Total Standby Amps	0.678///	Total Alarm Amps Quantity Of Back-up Amplifiers	9.384
	1. Not Used 2. Not Used		Battéry Set #1 (Cabinet/Charger #1)	Standby Current		Alarm Çurrent	
-//	///////		Cabinet #1 Card Power	0,587	Backup Amplifier	0.706	/////
//	////////	///	Current Draw For 100 Watt Or 95 Watt Amplifiers 0	0,000	///0///	0.000	
//		///	Current Draw For Flex 50 Watt Amplifiers 0	0.000		0.000	/////
//			Power For External Peripheral Devices	0.09050	<u>//////</u>	9.60600	/////
			Additional Current Draws MAPNET/IDNet Device Addresses ordered / used 184 184.0	0.678 0.147	< Sub Totals>	10,312 0.184	
			Spare addressable point capacity included for battery calc 0%	0,600 0,825	<grand totals=""></grand>	0.000 10.496	
//		///	Additional Battery Capacity Required 20%	0,165///		2.099	/////
		///	Standby Time =HrsHrs	23.751 1,050	Standby Ah	///////////	

777777	DG-18 40	JUS NAC	////////////	Standby	/////////////////////////////////////	Marka	Tatal
Module	Qty	Description		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		0.1850
Notification Applianc	es		Setting				
4906-9130	//4/	AV MC NON-ADDRESS, WHT, CEILING	////////110//	0,0000	0.0000	0.3200	1.2800/
// HRK//	/A/	HORN, RED, OUTDOOR, MEDIUM SETTING	MED/	0.0000	0.0000	0.0690	0.2760
			Peripheral Totals		0.0000		1,5560
			RUP Totals	0//////	0,0000		0.0000
//////	///		Address Totals	0 Addresses	0.0000		0.0000
			System Totals	s*: Stándby	0.0850	Alarm	1.7410
				Standby	Standby	Alarm	Alarm
//////		Battery Set #1 (Cabinet/Charger #1)	///////////	Current	Total /	Current	Total
//////		Select ALL Power Supplies on this battery set:		////////	////	//////	1/1/1/2
	///	4009		////s/s/ #-1/1	0,0850	//////	1.7410
///////	///.	A state and columns business		Sub Total	0.0850		1.7410
////////	///	Additional Current Draws:	ed Peripheral Devices	v 0/0035	= 0,0000	v0.0035	=0.0000

///////////////////////////////////////	///	Standby	Standby	/ Alarm / /	/ Alarm /
Battery Set #1 (Cabinet/Charger #1)	///	Current /	Total /	Current /	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/	x0/////	= 0.0000	///x0/	= 0.0000
			0.0850		1.7410
				//////	////
//////////////////////////////////////	łrs//	x.0.0850	= 2.0400 St	andby Ah	////
//////////////////////////////////////	<i>f</i> lip///	/ 0.08333 x 1.741//	= 0.1451 AI	arm Ah	
			2,1851		
Additional Spare Battery Capacity = 0%		////// _{+/}	0.0000	/////	
	///		2.1851		
Battery Discharge Factor = 20%	///	///////	0.4370	//////	////
Minimum Battery Required 2081-9272	5.2AH (2x	$\chi / / / / / / / / / / / / / / / / / / /$	2,6221	//////	////
Battery, Supplied 2081-9272	/ / /			//////	////

	///////////////////////////////////////		/////////	
			/////////	
VOLTAGE DROP SUI	MMARY/////////		////////////	
[//////////	//	///////
/ Circuit /	Description	<u>////////</u>	// Load /	/ / % Drop//
y1 ////	RELO BLDG 18/17 15/16		/SIG1 1.280A	9.20%//
V2 ////	RELO BLDG 18/17 15/16		/SIG2 0.276A	2.51%//
V3 ////			/SIG3 0,000A	0.00%//
y4 / / / / /			SIG4 0,000A	0.00%//
			1,556A	Total / / /
/////////	/////////////	///////////	// ///// /	//////
POINTS SHOWN IN IT	ALIC TEXT REFER TO EXISTING	DEVICES.	/////////	//////

PÓINTS SHÓWN IN ITÁLIC TÉXT REFER TÓ EXISTING DEVICES.

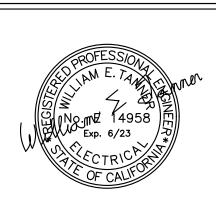
	V1////	Distributed Load V	oltage Drop				
		Allowable % Drop: Wire Gauge: Starting Voltage: Circuit Capacity	14ga 20.4vdc	///Min	Nire Res. Per Ft. Device Voltage: % Voltage Drop	16.vde	@ 75° Celsius
	X///////	//////	7////			Normal Operation	on / / / / /
	Dévice #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device
	V1-1////	4906-9130	110///	35	0.320	0.275	20,12
(//////////////////////////////////////	V1-2////	4906-9130	110///	2,05	//0.320//	1.483	//18,92///
SCOPE OF WORK	V1-3	4906-9130	110	50	0.320	1.680	18.72
	V1-4	4906-9130	110	100	0.320	1.876	18.52
	///////////////////////////////////////	///////	/ Totals:	390/Ft/	1.280A		///////////////////////////////////////

////////// <u>v2/////</u>	Distributed Load Vo	oltage Drop				
	Allowable % Drop:	21.6%	///x	Vire Res. Per Ft.	0,003070	@75° Celsius
///////////////////////////////////////	Wire Gauge:	/		Device Voltage;		
	Starting Voltage:	20,4vdc		% Voltage Drop	2.51%	
	Ckt Capacity	// 2.A//				
		/////			Normal Operation	on////
			Distance	Device /	Voltage/	Vøltage At
Device #	// PID//	Setting	(Feet)	Current	Drop /	Device
// \/\\\X2-1 ////	//HRK//	MED	/ /60/ /	0.069//	0.104//	20:30
<u> </u>	//HRK///	Med / /	/ 250/ /	0.069//	0.424//	//19.98//
V2-3	HRK	MED	50	0.069	0.468	19.93
V2-3 V2-4	HRK	MED	100	0.069	0.511	19.89



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TE#3906



PROJECT:

COMMUNITY COLLEGE DISTRICT

ULTIPLE MODULAR BUILDING AND

BUILDING 70 REMODEL

SHEET T

FIRE ALARM CALCULATION

REVISIONS:		DATE:
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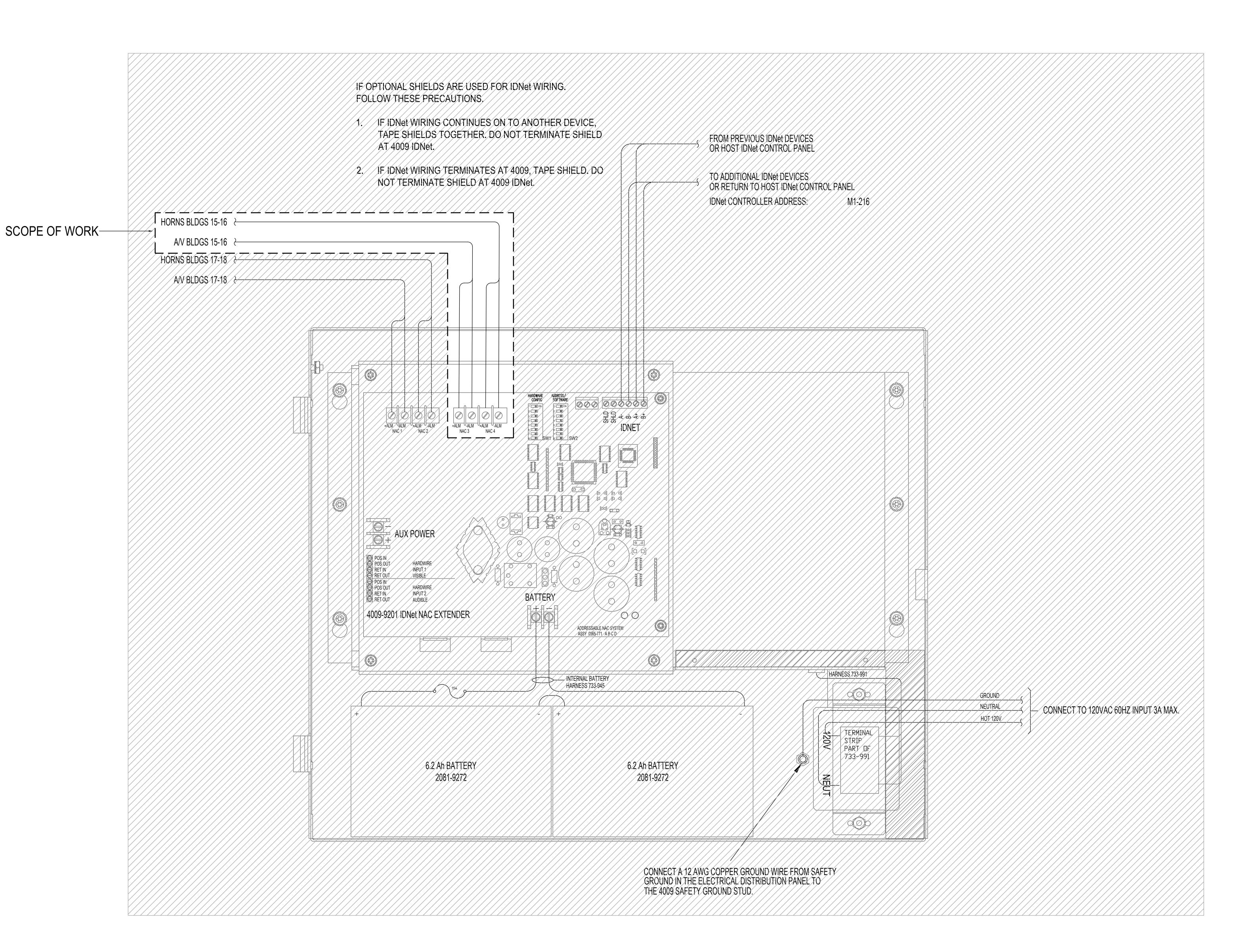
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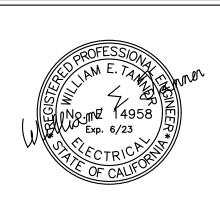




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PRO

GROSSMONT CUYAMACA
COMMUNITY COLLEGE DISTRICT
IULTIPLE MODULAR BUILDING AN
BUILDING 70 REMODEL

SHEET TITLE:

FIRE ALARM NAC PANEL DETAIL

 REVISIONS:
 DATE:

 90% Set
 11/07/2022

 100% Set
 01/13/2023

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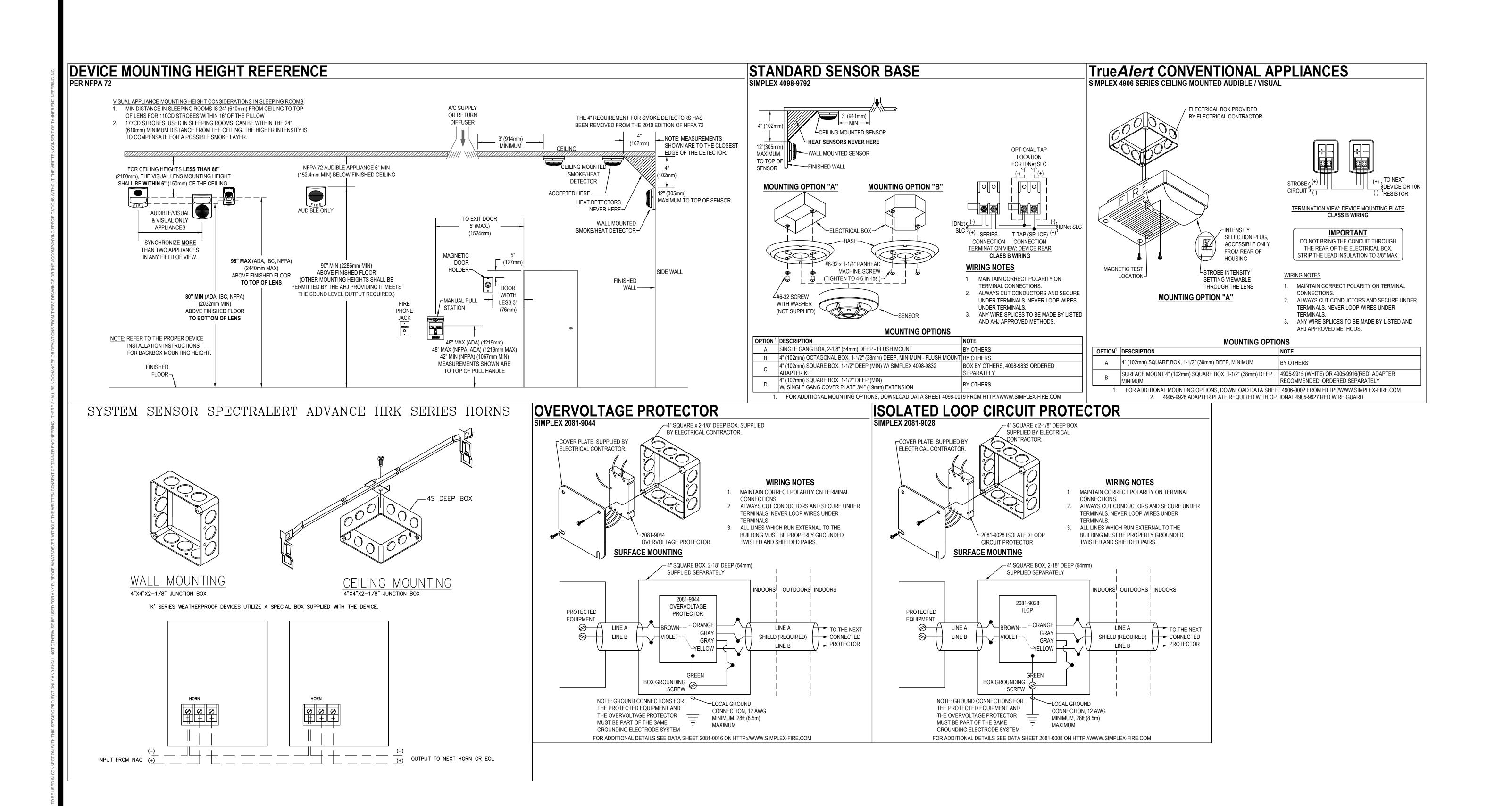
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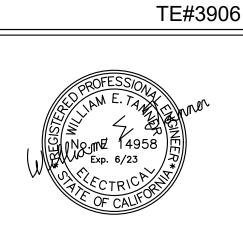
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PROJECT

GROSSMONT CUYAMACA
COMMUNITY COLLEGE DISTRICT
ULTIPLE MODULAR BUILDING 70 REMODEL

SHEET TITLE:

FIRE ALARM WIRING TYPICALS

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DATE: 09-29-2022 PROJECT NO. 3906

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SCALE:
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