

PLUMBING FIXTURES

SEE P SHEETS FOR ADDITIONAL INFORMATION

PLUMBING OCCUPANCY LOAD BASED ON 2016 CALIFORNIA PLUMBING CODE:

OCCUPANCY LOAD FACTORS: GROUP B = 1/200

FIRST FLOOR: GROSS BUILDING AREA: 3,696 SF 3,696 / 200 = 18.48 18.91 / 2 = 9.24 TOTAL MEN = 9 TOTAL WOMEN = 9

MINIMUM NUMBER OF PLUMBING FIXTURES (PER CPC 2016 TABLE 422.1)

MALE (M) & FEMALE (F)

WATER CLOSETS

- F (1:1-15) M (1:1-50) (1) F-WATER CLOSET REQ'D (2) F-PROVIDED (1) M-WATER CLOSET REQ'D (2) M-PROVIDED

LAVATORIES

- F (1:1-50) M (1:1-75) (1) MIN. IN EACH WATER CLOSET (1) F-LAVATORY REQ'D (2) F-PROVIDED (1) M-LAVATORY REQ'D (3) M-PROVIDED

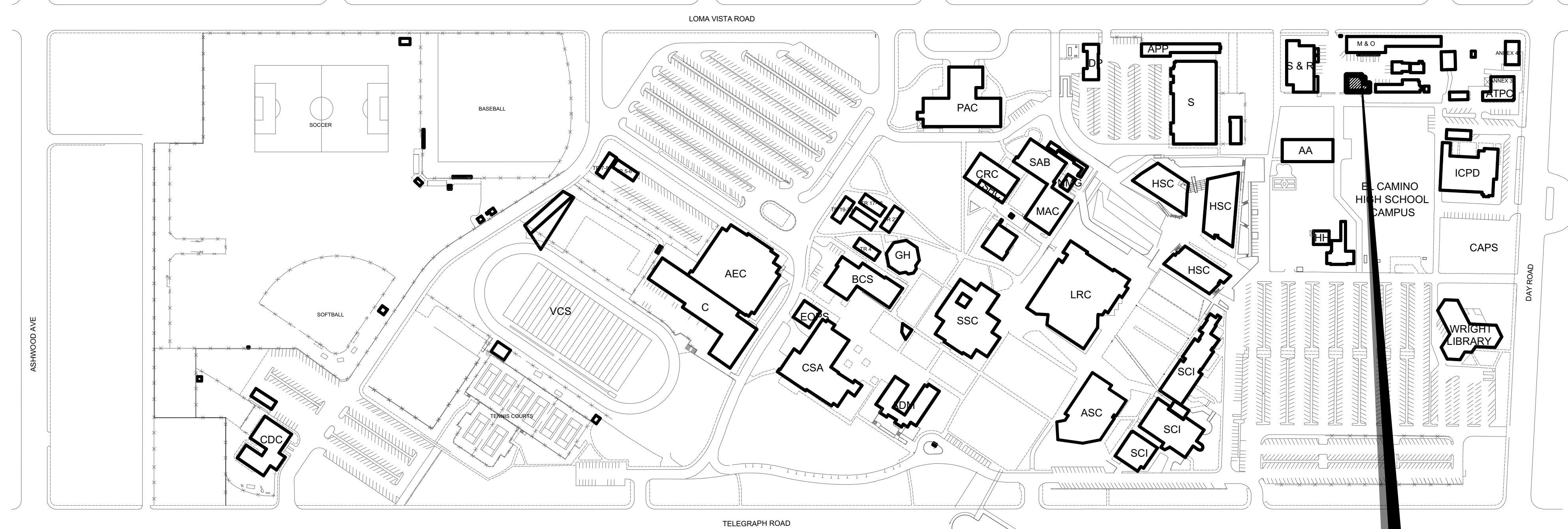
URINALS

- (0: 1-100) (0) URINALS REQ'D (2) PROVIDED

ACCESSIBILITY & GREEN REQUIREMENTS: SEE SHEETS A-002, A-003, A-004, A-005

GENERAL REQUIREMENTS

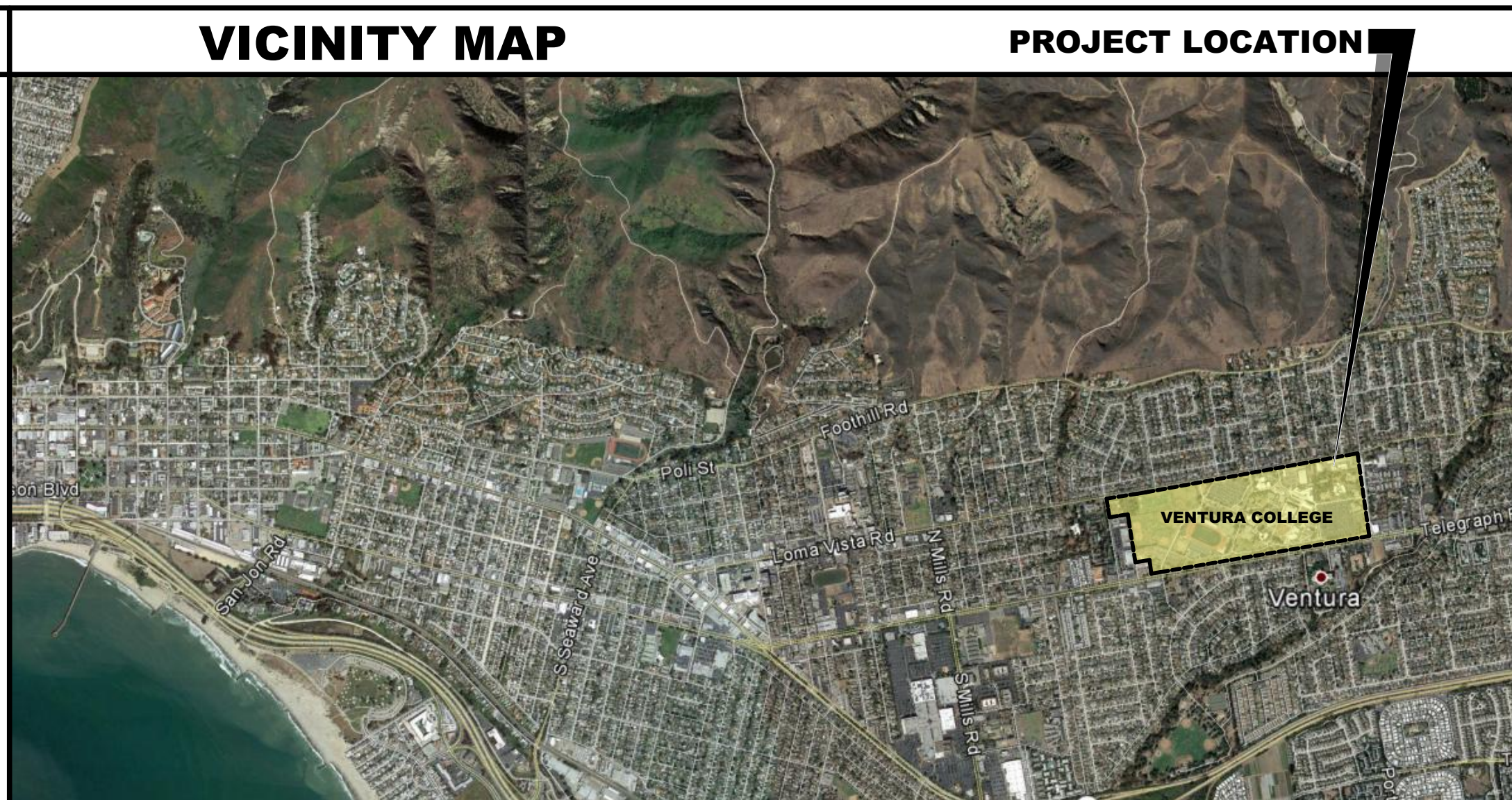
- 1. THE DRAWINGS ARE INTENDED ONLY TO CONVEY DESIGN INTENT... 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW OF ALL OF THE CONTRACT DOCUMENTS... 3. DURING THE BIDDING PROCESS THE CONTRACTOR SHALL OBTAIN PROPER WRITTEN CLARIFICATION... 4. DURING CONSTRUCTION, THE CONTRACTOR SHALL NOT PROCEED WITH THE INSTALLATIONS OR APPLICATIONS OF ANY CONSTRUCTION THAT MAY BE AFFECTED BY DISCREPANCIES... 5. IT SHALL BE UNDERSTOOD THAT ALL CONTRACTORS AND THEIR PERSONNEL ARE PROPERLY TRAINED... 6. THE CONTRACT DOCUMENTS CONSIST OF THE COMPLETE PLAN DRAWINGS, SPECIFICATIONS, REPORTS... 7. WHERE ANY SPECIFIED MATERIAL OR PROCESS IS INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS... 8. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR TOTAL COORDINATION OF THEIR OWN WORK... 9. ALL THE WORK SHALL CONFORM WITH THE REQUIREMENTS OF THE 2016 EDITION OF THE CALIFORNIA BUILDING CODE... 10. ONLY THE APPROVED DRAWINGS WITH THE STATEMENT 'ISSUED FOR CONSTRUCTION' ON THE COVER SHEET... 11. ALL DIMENSIONS SHOWN ON THE PLAN VIEWS OF THE DRAWINGS ARE TO THE STRUCTURAL FACE OF WALLS... 12. DO NOT SCALE THE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD... 13. THE CONTRACTOR SHALL REPAIR AND REPLACE ALL PROPERTY THAT MAY BE DAMAGED BY WORK UNDER THIS CONTRACT... 14. ALL GLAZING SHALL BE INSTALLED IN HAZARDOUS AREAS SHALL COMPLY WITH THE PROVISIONS OF CBC CHAPTER 24... 15. THE CONTRACTOR SHALL VERIFY ALL ELECTRICAL AND MECHANICAL LOADS THAT IS SCHEDULED TO BE GENERATED BY THE TENANT'S EQUIPMENT SHOWN ON THE DRAWINGS... 16. ALL FIRE RESISTIVE CONSTRUCTION SHALL COMPLY WITH THE PROVISIONS OF CBC CHAPTER 7... 17. WALL AND CEILING MATERIALS SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC, TABLE 803.5... 18. ALL STRUCTURAL HOLD-DOWNS SHALL BE SET IN PLACE BY THE USE OF A TEMPLATE PRIOR TO ANY FOUNDATION INSPECTION... 19. THE ARCHITECT OR ENGINEER SHALL PERFORM ON-SITE OBSERVATIONS FOR COMPLIANCE WITH THE PLANS AND SPECIFICATIONS... 20. EACH CONTRACTOR SHALL GUARANTEE BE RESPONSIBLE FOR, AND MAKE GOOD ANY AND ALL DEFECTS DUE TO FAULTS OF HIS RESPECTIVE TRADE... 21. THE CONTRACTOR SHALL FURNISH AND BE RESPONSIBLE FOR ADEQUATE SHORING, BRACING, PERIMETER CHAIN LINK FENCING AND OTHER PROTECTIVE MEASURES NECESSARY TO SAFELY EXECUTE THE COMPLETE CONSTRUCTION WORK.



PROJECT LOCATION table listing building abbreviations and their corresponding names, such as AA for Agriculture / Construction Technology, AEC for Athletic Events Center, and VCS for Ventura College Sportsplex.

VENTURA COLLEGE INTERIOR TENANT IMPROVEMENT MAINTENANCE & OPERATIONS - BUILDING C

PROJECT INFORMATION table containing building address (4900 Loma Vista Road, Ventura, CA 93003), parcel number (078-0-050-360), zoning (R-1-7), construction type (V-B (SPRINKLERED)), occupancy type (B), occupancy load (TOTAL = 57), and gross bldg area (3,696 S.F.).



CODE REQUIREMENTS table listing applicable regulatory codes (CALIF. BUILDING CODE, CALIF. MECHANICAL CODE, etc.), general building data, and code occupancy classifications.

OWNER & CONSULTANTS table listing the owner (Ventura County Community College District), architect (Roy E. Colbert Architect), electrical engineering (Lucci & Associates), hvac/mechanical/plumb engineer (A/E GROUP), and fire protection engineer (Jack Collings, F.P.E.).

REVIEW AGENCIES table listing the Planning Division Counter, Utilities, Fire, Inspection Services Counter, and Community Development, all located in the City of Ventura.



TYP. ARCH. SYMBOLS table showing symbols for drawing numbers, sheet numbers, door symbols, window symbols, and key note symbols.

FIRE DEPARTMENT NOTES table containing five numbered notes regarding fire extinguishers, compliance with fire code, inspection requirements, and fire safety measures.

COVER SHEET table containing sheet name (A-001), date (10 JULY 2017), scale (AS SHOWN), and drawing by (SES).

AS SHOWN table listing project information including architect project number (A-001) and vcccd project number (P 0107586).

REVISIONS table listing revisions to the drawing, including revision number, description, date, and by.

MECHANICAL DRAWINGS table listing mechanical notes and schedules, demolition floor plan, and mechanical roof plan.

PLUMBING DRAWINGS table listing plumbing notes and schedules, and fire protection details.

ISSUED FOR CONSTRUCTION

REVISIONS / DESCRIPTION table with columns for revision number, description, date, and by.

COPYRIGHT ROY E COLBERT ARCHITECT 2017 ALL RIGHTS RESERVED

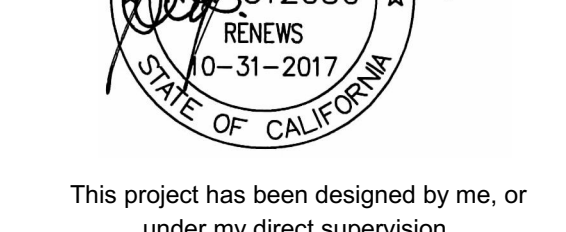
ROY E COLBERT

ARCHITECTURE PLANNING DESIGN

1997 E. MAIN STREET VENTURA, CA 93001

805 / 650 / 9500 PH 805 / 650 / 9589 FX

california C12050 N.C.A.R.B.



This project has been designed by me, or under my direct supervision.

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

VENTURA COLLEGE 4667 Telegraph Road Ventura, CA 93003

DEPARTMENT OF MAINTENANCE & OPERATIONS 4900 Loma Vista Road Ventura, CA 93003

PROJECT DIRECTORY

ELECTRICAL ENGINEERING: Lucci & Associates 3251 Corte Malposo #511 Camarillo, CA 93012

HVAC MECHANICAL / PLUMB ENGINEER: A/E GROUP 838 East Front Street Ventura, CA 93001

FIRE PROTECTION ENGINEER: Jack Collings, F.P.E. Collings & Associates LLC 260 Maple Court, Suite 241 Ventura, CA 93003

VENTURA COLLEGE MAINTENANCE & OPERATIONS INTERIOR TENANT IMPROVEMENT BUILDING C

COVER SHEET

10 JULY 2017

AS SHOWN SES

C16- 013 P 0107586

A-001

# 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 1

## CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES

### Division 5.1 – PLANNING AND DESIGN

#### SECTION 5.101 GENERAL

**5.101.1 Scope.** The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

#### SECTION 5.102 DEFINITIONS

**5.102.1 Definitions.** The following terms are defined in Chapter 2.

**CUTOFF LUMINAIRES.**

**LOW-EMITTING AND FUEL EFFICIENT VEHICLES.**

**NEIGHBORHOOD ELECTRIC VEHICLE (NEV).**

**TENANT-OCCUPANTS.**

**VANPOOL VEHICLE.**

**ZEV.**

#### SECTION 5.103 SITE SELECTION (Reserved)

#### SECTION 5.104 SITE PRESERVATION (Reserved)

#### SECTION 5.105 DECONSTRUCTION AND REUSE OF EXISTING STRUCTURES (Reserved)

#### SECTION 5.106 SITE DEVELOPMENT

**5.106.1 Storm water pollution prevention.** Newly constructed projects and additions which disturb less than one acre of land shall prevent the pollution of stormwater runoff from the construction activities through one or more of the following measures:

**5.106.1.1 Local ordinance.** Comply with a lawfully enacted stormwater management and/or erosion control ordinance.

**5.106.1.2 Best management practices (BMP).** Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMP.

1. Soil loss BMP that should be considered for implementation as appropriate for each project include, but are not limited to, the following:  
a. Scheduling construction activity.  
b. Preservation of natural features, vegetation and soil.  
c. Drainage swales or lined ditches to control stormwater flow.  
d. Mulching or hydroseeding to stabilize disturbed soils.  
e. Erosion control to protect slopes.  
f. Protection of storm drain inlets (gravel bags or catch basin in-sets).  
g. Perimeter sediment control (perimeter silt fence, fiber rolls).  
h. Sediment trap or sediment basin to retain sediment on site.  
i. Stabilized construction exits.  
j. Wind erosion control.  
k. Other soil loss BMP acceptable to the enforcing agency.

2. Good housekeeping BMP to manage construction equipment, materials and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:  
a. Material handling and waste management.  
b. Building materials stockpile management.  
c. Management of washout areas (concrete, paints, stucco, etc.).  
d. Control of vehicle/equipment fueling to contractor's staging area.  
e. Vehicle and equipment cleaning performed off site.  
f. Spill prevention and control.  
g. Other housekeeping BMP acceptable to the enforcing agency.

**5.106.1.4 Bicycle parking.** For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 103, comply with Sections 5.106.4.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.

**5.106.4.1.1 Short-term bicycle parking.** If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5 percent of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.

**5.106.4.1.2 Long-term bicycle parking.** For new buildings with 10 or more tenant-occupants or for additions or alterations that add 10 or more tenant vehicle parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicle parking spaces being added, with a minimum of one space. Acceptable parking facilities shall be convenient from the street and shall meet one of the following:  
1. Covered, lockable enclosures with permanently anchored racks for bicycles.  
2. Lockable bicycle rooms with permanently anchored racks; or  
3. Lockable, permanently anchored bicycle lockers.

**5.106.4.2 Bicycle parking.** [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2.

**5.106.4.2.1 Student bicycle parking.** Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.

**5.106.4.2.2 Staff bicycle parking.** Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:  
1. Covered, lockable enclosures with permanently anchored racks for bicycles;  
2. Lockable bicycle rooms with permanently anchored racks; or  
3. Lockable, permanently anchored bicycle lockers.

**5.106.5.2 Designated parking for clean air vehicles.** In new projects or additions or alterations that add 10 or more vehicle parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as follows:

**5.106.5.2.1 Parking stall marking.** Paint, in the paint used for stall striping, the following characters such that the lower edge of the stall aligns with the end of the stall striping and is visible beneath a parked vehicle:

CLEAN AIR/  
VANPOOL/VEHICLE

**Note:** Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces.

**5.106.5.3 Electric vehicle (EV) charging.** [N] Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the *California Building Code*, the *California Electrical Code* and as follows:

**5.106.5.3.1 Single charging space requirements.** [N] When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the *California Electrical Code*. Construction plans and specifications shall include, but are not limited to, the following:  
1. The type and location of the EVSE.  
2. A listed raceway capable of accommodating a 208/240-volt dedicated branch circuit.  
3. The raceway shall not be less than trade size 1".  
4. The raceway shall originate at a service panel or a subpanel serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into a listed suitable cabinet, box, enclosure or equivalent.

5. The service panel or subpanel shall have sufficient capacity to accommodate a minimum 40-ampere dedicated branch circuit for the future installation of the EVSE.  
6. The raceway(s) shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.  
7. Plan design shall be based upon 40-ampere minimum branch circuits.

**5.106.5.3.2 Multiple charging space requirements.** [N] When multiple charging spaces are required per Table 5.106.5.3.3, raceway(s) is/are required to be installed at the time of construction and shall be installed in accordance with the *California Electrical Code*. Construction plans and specifications shall include, but are not limited to, the following:  
1. The type and location of the EVSE.  
2. The raceway(s) shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.  
3. Plan design shall be based upon 40-ampere minimum branch circuits.

4. Electrical calculations shall substantiate the design of the electrical system, to include the rating of equipment and any on-site distribution transformers and have sufficient capacity to simultaneously charge all required EVs at its full rated amperage.  
5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) for the future installation of the EVSE.

**5.106.5.3.3 EV charging space calculation.** [N] Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future installation of EVSE.

**Exceptions:** On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one or more of the following conditions:  
1. Where there is insufficient electrical supply.  
2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

**Exceptions:** On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one or more of the following conditions:  
1. Where there is insufficient electrical supply.  
2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CHARGING SPACES
0-9	0
10-25	1
26-50	2
51-75	4
76-100	5
101-150	7
151-200	10
201 and over	6 percent of total <sup>1</sup>

1. Calculation for spaces shall be rounded up to the nearest whole number.

**5.106.5.3.4 [N] Identification.** The service panel or subpanel(s) circuit directory shall identify the reserved occurrence termination device space(s) for future EV charging as "EV CAPABLE." The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

**5.106.5.3.5 [N] Future charging spaces** qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.

**Notes:**  
1. The California Department of Transportation adopts and publishes the California Manual on Uniform Traffic Control Devices (California MUTCD) to provide uniform standards and specifications for all official traffic control devices in California. Zero Emission Vehicle Signs and Pavement Markings can be found in the New Policies & Directives number 13-01. [www.dot.ca.gov/hq/traffops/policy/13-01.pdf](http://www.dot.ca.gov/hq/traffops/policy/13-01.pdf)  
2. See Vehicle Code Section 22571 for EV charging spaces signage in off-street parking facilities and for use of EV charging spaces.  
3. The Governor's Office of Planning and Research published a Zero-Emission Vehicle Community Readiness Guidebook which provides helpful information for local governments, residents and businesses. [www.oprr.ca.gov/docs/ZEV\\_Guidebook.pdf](http://www.oprr.ca.gov/docs/ZEV_Guidebook.pdf).

**5.106.8 Light pollution reduction.** [N] Outdoor lighting systems shall be designed and installed to comply with the following:  
1. The minimum requirements in the *California Energy Code* for Lighting Zones 1-4 as defined in Chapter 10 of the *California Administrative Code*; and  
2. Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-115; and  
3. Allowable BUG ratings not exceeding those shown in Table 5.106.8, or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

**Exceptions:** [N]  
1. Luminaires that qualify as exceptions in Section 140.7 of the *California Energy Code*.  
2. Emergency lighting.  
3. Building facade meeting the requirements in Table 140.7-B of the *California Energy Code*, Part 6.  
4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.

**Note:** [N] See also *California Building Code*, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.

**5.106.10 Grading and paving.** Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:  
1. Swales.  
2. Water collection and disposal systems.  
3. French drains.  
4. Water retention gardens.  
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.

**Exception:** Additions and alterations not altering the drainage path.

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
0-9	0
10-25	1
26-50	3
51-75	6
76-100	8
101-150	11
151-200	16
201 and over	At least 8 percent of total

TABLE 5.106.8 [N]  
MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS<sup>1,2</sup>

ALLOWABLE RATING	LIGHTING ZONE 1	LIGHTING ZONE 2	LIGHTING ZONE 3	LIGHTING ZONE 4
<b>Maximum Allowable Backlight Rating<sup>3</sup></b>				
Luminaire greater than 2 mounting heights (MH) from property line	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1 – 2 MH from property line	B1	B2	B4	B4
Luminaire back hemisphere is 0.5 – 1 MH from property line	B2	B3	B3	B3
Luminaire back hemisphere is less than 0.5 MH from property line	B0	B0	B1	B2
<b>Maximum Allowable Uplight Rating</b>				
For area lighting <sup>4</sup>	U0	U0	U0	U0
For all other outdoor lighting, including decorative luminaires	U1	U2	U3	U4
<b>Maximum Allowable Glare Rating<sup>5</sup></b>				
Luminaire greater than 2 MH from property line	G1	G2	G3	G4
Luminaire front hemisphere is 1 – 2 MH from property line	G0	G1	G1	G2
Luminaire front hemisphere is 0.5 – 1 MH from property line	G0	G0	G1	G1
Luminaire back hemisphere is less than 0.5 MH from property line	G0	G0	G0	G1

1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the *California Energy Code* and Chapter 10 of the *California Administrative Code*.  
2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.  
3. If the nearest property line is less than or equal to two mounting heights from the back hemisphere of the luminaire distribution, the applicable reduced Backlight rating shall be met.  
4. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet U-value limits for "all other outdoor lighting."  
5. If the nearest property line is less than or equal to two mounting heights from the front hemisphere of the luminaire distribution, the applicable reduced Glare rating shall be met.

**5.303.3.4 Faucets and fountains.**  
**5.303.3.4.1 Nonresidential lavatory faucets.** Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.  
**5.303.3.4.2 Kitchen faucets.** Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.  
**5.303.3.4.3 Wash fountains.** Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim span (inches) at 60 psi].  
**5.303.3.4.4 Metering faucets.** Metering faucets shall not deliver more than 0.20 gallons per cycle.  
**5.303.3.4.5 Metering faucets for wash fountains.** Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per cycle/20 [rim span (inches) at 60 psi].

**Note:** Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.

**5.303.4 Commercial kitchen equipment.**  
**5.303.4.1 Food waste disposers.** Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/holdings) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.  
**Note:** This code section does not affect local jurisdiction authority to prohibit or require disposer installation.

**5.303.5 Areas of addition or alteration.** For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Sections 5.303.3 and 5.304.3 shall apply to new fixtures in additions or areas of alteration to the building.  
**5.303.6 Standards for plumbing fixtures and fittings.** Plumbing fixtures and fittings shall be installed in accordance with the *California Plumbing Code*, and shall meet the applicable standards referenced in Table 1701.1 of the *California Plumbing Code* and in Chapter 6 of this code.

**SECTION 5.301  
GENERAL**

**5.301.1 Scope.** The provisions of this chapter shall establish the means of conserving water used indoors, outdoors and in wastewater conveyance.

**SECTION 5.302  
DEFINITIONS**

The following terms are defined in Chapter 2.

**EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETA[F]-DSA-SS)**

**FOOTPRINT AREA (DSA-SS)**

**GRAY WATER.**

**METERING FAUCET**

**MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWEO).**

**POTABLE WATER.**

**RECYCLED WATER.**

**SPECIAL LANDSCAPE AREA (SLA). [DSA-SS]**

**SUBMETER.**

**SECTION 5.303  
INDOOR WATER USE**

**5.303.1 Meters.** Separate submeters or metering devices shall be installed for the uses described in Sections 5.303.1.1 and 5.303.1.2.

**5.303.1.1 New buildings or additions in excess of 50,000 square feet.** Separate submeters shall be installed as follows:  
1. For each individual leased, rented, or other tenant space within the building projected to consume more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.  
2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems:  
a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).  
b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).  
c. Steam and hot-water boilers with energy input more than 500,000 Btu/h (147 kW).

**5.303.1.2 Excess consumption.** A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.  
**5.303.2 Reserved.**

**5.303.3 Water conserving plumbing fixtures and fittings.** Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:  
**5.303.3.1 Water closets.** The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type Toilets.  
**Note:** The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.  
**5.303.3.2 Urinals.**  
**5.303.3.2.1 Wall-mounted urinals.** The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.  
**5.303.3.2.2 Floor-mounted urinals.** The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.  
**5.303.3.3 Showerheads.**

**5.303.3.3.1 Single showerhead.** Showerheads shall have a maximum flow rate of not more than 2.0 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.  
**5.303.3.3.2 Multiple showerheads serving one shower.** When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.  
**Note:** A hand-held shower shall be considered a showerhead.

**SECTION 5.304  
OUTDOOR WATER USE**

**5.304.1 Scope.** The provisions of Section 5.304, Outdoor Water Use reference the mandatory Model Water Efficiency Landscape Ordinance (MWEO) contained within Chapter 2.7, Division 2, Title 23, *California Code of Regulations*.  
**5.304.2 Outdoor water use in landscape areas equal to or greater than 500 square feet.** When water is used for outdoor irrigation for new construction projects with an aggregate landscape area equal to or greater than 500 square feet requiring a building or landscape permit, plan check or design review, one of the following shall apply:  
1. A local water efficient landscape ordinance that is, based on evidence in the record, at least as effective in conserving water as the updated model ordinance adopted by the Department of Water Resources (DWR) per Government Code Section 65595 (c).  
2. The California Department of Water Resources Model Water Efficient Landscape Ordinance (MWEO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, *California Code of Regulations*.

**5.304.3 Outdoor water use in rehabilitated landscape projects equal to or greater than 2,500 square feet.** Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 square feet requiring a building or landscape permit, plan check, or design review shall comply with Section 5.304.2, Item 1 or 2.  
**5.304.4 Outdoor water use in landscape areas of 2,500 square feet or less.** Any project with an aggregate landscape area of 2,500 square feet or less may comply with the performance requirements of MWEO or conform to the prescriptive compliance measures contained in MWEO's Appendix D.  
**5.304.5 Graywater or rainwater use in landscape areas.** For projects using treated or untreated graywater or rainwater captured on site, any lot or parcel within the project that has less than 2,500 square feet of landscape and meets the lot or parcel's landscape water requirement (Estimated Total Water Use) entirely with treated or untreated graywater or through stored rainwater captured on site is subject only to Appendix D Section (5).

**Notes:**  
1. DWR's Model Water Efficient Landscape Ordinance, definitions and supporting documents are available at the following link: <http://water.ca.gov/wateruse/efficiency/landscapeordnance/>  
2. A water budget calculator is available at the following link: <http://water.ca.gov/wateruse/efficiency/landscapeordnance/>  
3. The MWEO prescriptive compliance measure Appendix D may be found at the following link: <http://water.ca.gov/wateruse/efficiency/landscapeordnance/>. In addition, a copy of MWEO Appendix D may be found in Chapter 8 of this code.  
**5.304.6 Outdoor potable water use in landscape areas [DSA-SS].** For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWEO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, *California Code of Regulations*, except that the evapotranspiration adjustment factor (ETA[F]) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.  
**Exception:** Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWEO.

**5.304.6.1 Newly constructed landscapes.** [DSA-SS] New construction projects with an aggregate landscape area equal to or greater than 500 square feet.  
**5.304.6.2 Rehabilitated landscapes.** [DSA-SS] Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

**SECTION 5.305  
WATER REUSE SYSTEMS  
(Reserved)**

**CHAPTER 5  
NONRESIDENTIAL MANDATORY MEASURES**

**Division 5.4 – MATERIAL CONSERVATION AND RESOURCE EFFICIENCY**

**SECTION 5.401  
GENERAL**

**5.401.1 Scope.** The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

**SECTION 5.402  
DEFINITIONS**

The following terms are defined in Chapter 2.

**ADJUST.**

**BALANCE.**

**BUILDING COMMISSIONING.**

**ORGANIC WASTE.**

**TEST.**

**SECTION 5.403  
FOUNDATION SYSTEMS  
(Reserved)**

**SECTION 5.404  
EFFICIENT FRAMING TECHNIQUES  
(Reserved)**

**SECTION 5.405  
MATERIAL SOURCES  
(Reserved)**

**SECTION 5.406  
ENHANCED DURABILITY  
AND REDUCED MAINTENANCE  
(Reserved)**

**SECTION 5.407  
WATER RESISTANCE AND  
MOISTURE MANAGEMENT**

**5.407.1 Weather protection.** Provide a weather-resistant exterior wall and foundation envelope as required by *California Building Code* Section 1403.2 (Weather Protection) and *California Energy Code* Section 150, (Mandatory Features and Devices), manufacturer's installation instructions or local ordinance, whichever is more stringent.

**5.407.2 Moisture control.** Employ moisture control measures by the following methods:  
**5.407.2.1 Sprinklers.** Design and maintain landscape irrigation systems to prevent spray on structures.  
**5.407.2.2 Entries and openings.** Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:  
**5.407.2.2.1 Exterior door protection.** Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:  
1. An installed awning at least 4 feet in depth.  
2. The door is protected by a roof overhang at least 4 feet in depth.  
3. The door is recessed at least 4 feet.  
4. Other methods which provide equivalent protection.  
**5.407.2.2.2 Flashing.** Install flashings integrated with a drainage plane.

**SECTION 5.408  
CONSTRUCTION WASTE REDUCTION,  
DISPOSAL AND RECYCLING**

**5.408.1 Construction waste management.** Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

**5.408.1.1 Construction waste management plan.** Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that:  
1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.  
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).  
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.  
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

**5.408.1.2 Waste management company.** Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.  
**Note:** The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.  
**Exceptions to Sections 5.408.1.1 and 5.408.1.2:**  
1. Excavated sand and land-clearing debris.  
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.  
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

**5.408.1.3 Waste stream reduction alternative.** The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.  
**5.408.1.4 Documentation.** Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1 through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

**Notes:**  
1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at <http://www.bsc.ca.gov/Home/CALGreen.aspx> may be used to assist in documenting compliance with the waste management plan.  
2. Mixed construction and demolition debris (C&D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).  
**5.408.2 Universal waste.** [A] Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.  
**Note:** Refer to the Universal Waste Rule link at: [http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEARA\\_REGS\\_UWR\\_FinalText.pdf](http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEARA_REGS_UWR_FinalText.pdf)  
**5.408.3 Excavated soil and land clearing debris.** 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.  
**Exception:** Reuse, either on- or off-site, of vegetation or soil contaminated by disease or pest infestation.

**SECTION 5.409  
LIFE CYCLE ASSESSMENT  
(Reserved)**

**SECTION 5.410  
BUILDING MAINTENANCE AND OPERATION**

**5.410.1 Recycling by occupants.** Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.  
**Exception:** Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.

**5.410.1.1 Additions.** All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30 percent or more in floor area, shall provide recycling areas on site.  
**Exception:** Additions within a tenant space resulting in less than a 30-percent increase in the tenant space floor area.  
**5.410.1.2 Sample ordinance.** Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the *Public Resources Code*. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).  
**Note:** A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.  
**5.410.2 Commissioning.** [N] For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. All occupancies other than 1-occupancies and L-occupancies shall comply with the *California Energy Code* as prescribed in *California Energy Code* Section 120.8. For I-occupancies that are not regulated by OSH/PD or for I-occupancies and L-occupancies that are not regulated by the *California Energy Code* Section 100.0 Scope, all requirements in Sections 5.410.2.1 through 5.410.2.6 shall apply. Commissioning requirements shall include:  
1. Owner's or owner representative's project requirements.  
2. Basis of design.  
3. Commissioning measures shown in the construction documents.  
4. Commissioning plan.  
5. Functional performance testing.  
6. Documentation and training.  
7. Commissioning report.

**Informational Notes:**  
1. Unconditioned warehouses of any size.  
2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.  
3. Tenant improvements less than 10,000 square feet as described in Section 303.1.  
4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.  
**Note:** For the purposes of this section, unconditioned shall mean a building, area, or room which does not provide heating and air conditioning.

**5.410.2.1 Owner's or Owner representative's Project Requirements (OPR).** [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins

2016 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 2

procedures, basic troubleshooting, recommended maintenance requirements, site events log.
4. Major systems.
5. Site equipment inventory and maintenance notes.
6. A copy of verifications required by the enforcing agency or this code.
7. Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following:
1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces).
2. Review and demonstration of servicing/preventive maintenance.
3. Review of the information in the systems manual.
4. Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.

5.410.4 Testing and adjusting. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.1 (Reserved)
5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include, as applicable to the project:
1. HVAC systems and controls.
2. Indoor and outdoor lighting and controls.
3. Water heating systems.
4. Renewable energy systems.
5. Landscape irrigation systems.
6. Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.
5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, balance the system in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guarantees/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

CHAPTER 5
NONRESIDENTIAL MANDATORY MEASURES

SECTION 5.501
GENERAL

5.501.1 Scope. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and wellbeing of a building's installers, occupants and neighbors.

SECTION 5.502
DEFINITIONS

5.502.1 Definitions. The following terms are defined in Chapter 2.
ARTERIAL HIGHWAY.
A-WEIGHTED SOUND LEVEL (dBA).
1 BTU/HOUR.
COMMUNITY NOISE EQUIVALENT LEVEL (CNEL).
COMPOSITE WOOD PRODUCTS.
DAY-NIGHT AVERAGE SOUND LEVEL (Ldn).
DECIBEL (dB).
ENERGY EQUIVALENT (NOISE) LEVEL (Leq).
EXPRESSWAY.
FREEWAY.
GLOBAL WARMING POTENTIAL (GWP).
GLOBAL WARMING POTENTIAL VALUE (GWP VALUE).
HIGH-GWP REFRIGERANT.
LONG RADIUS ELBOW.
LOW-GWP REFRIGERANT.
MERV.
MAXIMUM INCREMENTAL REACTIVITY (MIR).
PRODUCT-WEIGHTED MIR (PWMIR).
PSIG.
REACTIVE ORGANIC COMPOUND (ROC).
SCHRADER ACCESS VALVES.
SHORT RADIUS ELBOW.
SUPERMARKET.
VOC.

SECTION 5.503
FIREPLACES

5.503.1 Fireplaces. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstove and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

SECTION 5.504
POLLUTANT CONTROL

5.504.1 Temporary ventilation. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30 percent based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.

5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.

5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:
1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.
2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.

5.504.4.2 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:
1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.
2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.

5.504.4.3 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program.

5.504.4.4 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.) Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.1 Early compliance. Reserved.

5.504.4.5.2 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:
1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 35 standards.
5. Other methods acceptable to the enforcing agency.

5.504.4.3 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program.

5.504.4.4 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.) Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.1 Early compliance. Reserved.

5.504.4.5.2 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:
1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 35 standards.
5. Other methods acceptable to the enforcing agency.

5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:
1. Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E1333. For additional information, see California Code of Regulations, Title 17, Sections 93120 through 93120.12.
2. Thin medium density fiberboard has a maximum thickness of 5/16 inch (8 mm).
3. Maximum formaldehyde emissions in parts per million shall be as shown in Table 5.504.4.6.

5.504.4.6.1 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:
1. Manufacturer's product specification
2. Field verification of on-site product containers

TABLE 5.504.4.1
ADHESIVE VOC LIMIT\*2
Less Water and Less Exempt Compounds in Grams Per Liter

Table with 2 columns: Architectural Applications, Current VOC Limit. Rows include Indoor carpet adhesives (50), Carpet pad adhesives (50), Outdoor carpet adhesives (150), Wood flooring adhesive (100), Rubber floor adhesives (60), Subfloor adhesives (50), Ceramic tile adhesives (65), VCT and asphalt tile adhesives (50), Drywall and panel adhesives (50), Cove base adhesives (50), Multipurpose construction adhesives (70), Structural glazing adhesives (100), Single-ply roof membrane adhesives (250), Other adhesive not specifically listed (50), Specialty Applications (510), PVC welding (510), CPVC welding (490), ABS welding (325), Plastic cement welding (250), Adhesive primer for plastic (550), Contact adhesive (80), Special purpose contact adhesive (250), Structural wood member adhesive (140), Top and trim adhesive (250).

TABLE 5.504.4.2
SEALANT VOC LIMIT
Less Water and Less Exempt Compounds in Grams Per Liter

Table with 2 columns: Sealants, Current VOC Limit. Rows include Architectural (250), Marine deck (760), Nonmembrane roof (300), Roadway (250), Single-ply roof membrane (450), Other (420).

TABLE 5.504.4.3
SEALANT PRIMERS

Table with 2 columns: Sealant Primers, Current VOC Limit. Rows include Architectural Nonporous (250), Porous (775), Modified bituminous (500), Marine deck (760), Other (750).

TABLE 5.504.4.4
FORMALDEHYDE LIMITS\*1
Maximum Formaldehyde Emissions in Parts per Million

Table with 2 columns: Product, Current Limit. Rows include Hardwood plywood veneer core (0.05), Hardwood plywood composite core (0.05), Particleboard (0.09), Medium density fiberboard (0.11), Thin medium density fiberboard (0.13).

TABLE 5.504.4.5
FORMALDEHYDE LIMITS\*1
Maximum Formaldehyde Emissions in Parts per Million

Table with 2 columns: Product, Current Limit. Rows include Hardwood plywood veneer core (0.05), Hardwood plywood composite core (0.05), Particleboard (0.09), Medium density fiberboard (0.11), Thin medium density fiberboard (0.13).

1. Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E1333. For additional information, see California Code of Regulations, Title 17, Sections 93120 through 93120.12.
2. Thin medium density fiberboard has a maximum thickness of 5/16 inch (8 mm).
3. Maximum formaldehyde emissions in parts per million shall be as shown in Table 5.504.4.5.

5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:
1. Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E1333. For additional information, see California Code of Regulations, Title 17, Sections 93120 through 93120.12.
2. Thin medium density fiberboard has a maximum thickness of 5/16 inch (8 mm).
3. Maximum formaldehyde emissions in parts per million shall be as shown in Table 5.504.4.5.

TABLE 5.504.4.3
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS\*2
Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds

Table with 2 columns: Coating Category, Current Limit. Rows include Flat coatings (50), Nonflat coatings (100), Nonflat-high gloss coatings (150), Specialty Coatings (400), Aluminum roof coatings (400), Basement specialty coatings (400), Bituminous roof coatings (50), Bituminous roof primers (350), Bond breakers (350), Concrete curing compounds (350), Concrete/masonry sealers (100), Driveway sealers (50), Dry fog coatings (150), Faux finishing coatings (350), Fire resistive coatings (350), Floor coatings (100), Form-release compounds (250), Graphic arts coatings (sign paints) (500), High temperature coatings (420), Industrial maintenance coatings (250), Low solids coatings (120), Magnesite cement coatings (450), Mastic texture coatings (100), Metallic pigmented coatings (500), Multicolor coatings (250), Pretreatment wash primers (420), Primers, sealers, and undercoaters (100), Reactive penetrating sealers (350), Recycled coatings (250), Roof coatings (50), Rust preventative coatings (250), Shellacs (Clear 730, Opaque 550), Specialty primers, sealers and undercoaters (100), Stains (250), Stone consolidants (450), Swimming pool coatings (340), Traffic marking coatings (100), Tub and tile refinish coatings (420), Waterproofing membranes (250), Wood coatings (275), Wood preservatives (350), Zinc-rich primers (340).

SECTION 5.505
INDOOR MOISTURE CONTROL

5.505.1 Indoor moisture control. Buildings shall meet or exceed the provisions of California Building Code, CCB, Title 24, Part 2, Sections 1203 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures not applicable to low-rise residential occupancies, see Section 5.407.2 of this code.

SECTION 5.506
INDOOR AIR QUALITY

5.506.1 Outside air delivery. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the 2013 California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

5.506.2 Carbon dioxide (CO2) monitoring. For buildings or additions equipped with demand control ventilation, CO2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the 2013 California Energy Code, Section 120(c)(4).

SECTION 5.507
ENVIRONMENTAL COMFORT

5.507.1 Acoustical control. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E90 and ASTM E413 or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

5.507.2 Performance method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof/ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site features. Exterior features such as sound walls and earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of compliance. An acoustical analysis documenting compliant interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor/ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: http://www.toobase.org/PDF/CasesStudies/stc\_ccr\_ratings.pdf.

SECTION 5.508
OUTDOOR AIR QUALITY

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or

freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO2), and potentially other refrigerants.

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fourth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves and fittings shall comply with the California Mechanical Code and as follows.

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transmitter or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.2.1 Chain tethers. Chain tethers to fit over the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device that indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with prescriptive dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.4 Fourth vacuum. Pull a fourth vacuum down to a minimum of 200 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.5 Fifth vacuum. Pull a fifth vacuum down to a minimum of 100 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.6 Sixth vacuum. Pull a sixth vacuum down to a minimum of 50 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.7 Seventh vacuum. Pull a seventh vacuum down to a minimum of 25 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.8 Eighth vacuum. Pull an eighth vacuum down to a minimum of 10 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.9 Ninth vacuum. Pull a ninth vacuum down to a minimum of 5 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.10 Tenth vacuum. Pull a tenth vacuum down to a minimum of 2 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.11 Eleventh vacuum. Pull an eleventh vacuum down to a minimum of 1 micron, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.12 Twelfth vacuum. Pull a twelfth vacuum down to a minimum of 0.5 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.13 Thirteenth vacuum. Pull a thirteenth vacuum down to a minimum of 0.2 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.14 Fourteenth vacuum. Pull a fourteenth vacuum down to a minimum of 0.1 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.15 Fifteenth vacuum. Pull a fifteenth vacuum down to a minimum of 0.05 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.16 Sixteenth vacuum. Pull a sixteenth vacuum down to a minimum of 0.02 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.17 Seventeenth vacuum. Pull a seventeenth vacuum down to a minimum of 0.01 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.18 Eighteenth vacuum. Pull an eighteenth vacuum down to a minimum of 0.005 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.19 Nineteenth vacuum. Pull a nineteenth vacuum down to a minimum of 0.002 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.20 Twentieth vacuum. Pull a twentieth vacuum down to a minimum of 0.001 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.21 Twenty-first vacuum. Pull a twenty-first vacuum down to a minimum of 0.0005 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.22 Twenty-second vacuum. Pull a twenty-second vacuum down to a minimum of 0.0002 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.23 Twenty-third vacuum. Pull a twenty-third vacuum down to a minimum of 0.0001 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.24 Twenty-fourth vacuum. Pull a twenty-fourth vacuum down to a minimum of 0.00005 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.25 Twenty-fifth vacuum. Pull a twenty-fifth vacuum down to a minimum of 0.00002 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.26 Twenty-sixth vacuum. Pull a twenty-sixth vacuum down to a minimum of 0.00001 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.27 Twenty-seventh vacuum. Pull a twenty-seventh vacuum down to a minimum of 0.000005 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.28 Twenty-eighth vacuum. Pull a twenty-eighth vacuum down to a minimum of 0.000002 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.29 Twenty-ninth vacuum. Pull a twenty-ninth vacuum down to a minimum of 0.000001 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

5.508.2.6.30 Thirtieth vacuum. Pull a thirtieth vacuum down to a minimum of 0.0000005 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

CHAPTER 7
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

- 1. State certified apprenticeship programs.
2. Public utility training programs.
3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations

## REFLECTED CEILING NOTES

- DESIGN SUSPENDED CEILING FRAMING SYSTEMS TO RESIST A LATERAL FORCE OF 20% OF THE WEIGHT OF THE CEILING ASSEMBLY AND ANY LOADS TRIBUTARY TO THE SYSTEM. USE A MINIMUM CEILING WEIGHT OF 5 POUNDS PER SQUARE FOOT TO DETERMINE THE LATERAL FORCE.
- WHERE CEILING LOADS DO NOT EXCEED 5 POUNDS PER SQUARE FOOT AND WHERE PARTITIONS ARE NOT CONNECTED TO THE CEILING SYSTEM, THE FOLLOWING BRACING METHODS MAY BE EMPLOYED:
  - PROVIDE LATERAL SUPPORT BY FOUR WIRES OF MINIMUM NO. 12 GAUGE SPAYLED IN FOUR DIRECTIONS 90 DEGREES APART, AND CONNECTED TO THE MAIN RUNNER WITHIN 2' OF THE CROSS RUNNER AND TO THE STRUCTURE ABOVE AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM THE PLANE OF THE CEILING. PROVIDE THESE LATERAL SUPPORT POINTS 12 FEET ON CENTER IN EACH DIRECTION, WITH THE FIRST POINT WITHIN 4' FROM EACH WALL.
  - ALLOW FOR LATERAL MOVEMENT OF THE SYSTEM. ATTACH MAIN RUNNERS AND CROSS RUNNERS AT TWO ADJACENT WALLS; MAINTAIN CLEARANCE BETWEEN THE WALL AND THE RUNNERS AT THE OTHER TWO WALLS.
  - PROVIDE VERTICAL SUPPORT AS REQUIRED IN BUILDING CODES. IN ADDITION, VERTICALLY SUPPORT ENDS OF RUNNERS WITHIN 8" OF DISCONTINUITIES SUCH AS MAY OCCUR WHERE THE CEILING IS INTERRUPTED BY A WALL.
  - SUPPORT LIGHT FIXTURES AND AIR DIFFUSERS DIRECTLY BY WIRES TO THE STRUCTURE ABOVE.

- LOCATE REGISTERS AND LIGHTING FIXTURES WITH GRID LINES. CENTER SPRINKLER HEADS, SPEAKERS, RECESSED FIXTURES, AND SIMILAR CEILING ELEMENTS IN ACOUSTICAL UNITS, UNLESS OTHERWISE NOTED.

- FINISH HVAC DIFFUSERS, DRAPERY POCKETS, AND SPEAKER GRILLES TO MATCH ADJACENT FINISH, UNLESS OTHERWISE NOTED.

- REFER TO MEP DRAWINGS, FIRE PROTECTION DRAWINGS AND PROJECT MANUAL FOR DESIGN OF THESE SYSTEMS. LOCATIONS OF FIXTURES, REGISTERS, SWITCHES, ETC. SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW, COMMENCING CONSTRUCTION.

- ALL FIXTURES TO BE LAMPED 3500K. (FOR ALL NEW CONSTRUCTION)

## POWER & COMMUNICATION NOTES

- COORDINATE INSTALLATION OF TELECOMMUNICATIONS, DATA AND SECURITY SYSTEMS.
- VERIFY EQUIPMENT SPECIFICATIONS, POWER AND INSTALLATION REQUIREMENTS WITH MANUFACTURER TO ENSURE PROPER FIT AND FUNCTION.
- VERIFY MOUNTING REQUIREMENTS OF ELECTRICAL, TELEPHONE AND OTHER EQUIPMENT.
- GANG ADJACENT LIGHT SWITCHES AND COVER WITH A SINGLE PLATE.
- INDICATED DIMENSIONS ARE TO THE CENTER LINE OF OUTLET OR SWITCH, OR CLUSTER OF OUTLETS OR SWITCHES, UNLESS OTHERWISE NOTED.
- INSTALL OUTLETS ON OPPOSITE SIDES OF PARTITIONS IN SEPARATE STUD CAVITIES. DO NOT INSTALL BACK-TO-BACK.
- PROVIDE MATCHING COVER PLATES, RECEPTACLES AND RELATED ITEMS. PROVIDE ONE-PIECE TYPE GANG COVER PLATES, UNLESS OTHERWISE NOTED.
- IDENTIFY DEDICATED OR ISOLATED GROUND ELECTRICAL OUTLETS WITH A RED DOT.

## FINISH NOTES

- ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE, AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
- PROVIDE STRAIGHT, FLUSH RESILIENT BASE AT CARPETED AREAS, AND COVERD, TOP SET RESILIENT BASE AT RESILIENT FLOORING, UNLESS OTHERWISE NOTED.

## SIGNS & IDENTIFICATION

NOTE: CALIFORNIA'S STANDARDS FOR SIGNAGE ARE MORE STRINGENT AND ARE SIGNIFICANTLY LARGER AND WIDER THAN FEDERAL LAW, AMERICANS WITH DISABILITIES ACT (ADA) SECTION 4.30.

NOTE: THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH IN TITLE 24 AND AS SPECIFICALLY REQUIRED IN THIS SECTION

## ELECTRICAL

- ELECTRICAL NOTES. SEE ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- PROVIDE 30-INCH WIDTH BY 36-INCH DEPTH CLEAR SPACE IN FRONT OF ELECTRIC PANELS (CEC, ART. 110-26).
  - ALL ELECTRICAL PANELBOARDS AND SWITCHBOARDS SHALL BE LOCATED IN IN DEDICATED SPACES, PROTECTED FROM DAMAGE AND PLACED SO AS TO REDUCE TO A MINIMUM THE PROBABILITY OF COMMUNICATING FIRE TO ADJACENT COMBUSTIBLE MATERIAL. (CEC, ART. 110.26(F)) (CBC, SEC. 408.17).
  - EACH DISCONNECTING MEANS SHALL BE LEGIBLY MARKED TO INDICATE ITS PURPOSE UNLESS LOCATED AND ARRANGED SO THE PURPOSE IS EVIDENT. THE MARKING SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. (CEC, ART. 110.22).
  - ALL CONDUITS IN THE T-BAR CEILING AREAS SHALL NOT BE SUPPORTED BY THE T-BAR ASSEMBLY SUPPORT WIRES UNLESS ALLOWABLE BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. (CEC, ART. 300-11 (A)(1) AND (2)).
  - IN T-BAR CEILING ASSEMBLIES LIGHTING FIXTURES, AIR DIFFUSERS, EXIT SIGNS, AND SIMILAR COMPONENTS SHALL BE INDEPENDENTLY SUPPORTED BY 12 GAUGE SUPPORT WIRES. (ASTM C-636).
  - THE GENERAL LIGHTING OF ANY ENCLOSED SPACE OF 100 SQUARE FEET OR LARGER IN WHICH THE CONNECTED LIGHTING LOAD EXCEEDS 0.8 WATTS PER SQUARE FOOT, AND THAT HAS MORE THAN ONE LIGHT SOURCE (LUMINAIRE), SHALL HAVE MULTILEVEL LIGHTING CONTROLS. (CMC, SEC 131 (b)).
  - PROVIDE A G.F.C.I. PROTECTED RECEPTACLE IN ALL RESTROOMS, COMMERCIAL KITCHENS AND OUTDOOR PUBLIC SPACES. (CEC, ART. 210-9 (b)(1)-(4)).
  - PROVIDE A DEDICATED 20-AMP SIGN CIRCUIT TO THE FRONT (EXTERIOR) OF THE TENANT SPACE TERMINATING IN AN IDENTIFIABLE JUNCTION BOX. (CEC, ART. 600-5)
  - PROVIDE A DISCONNECTING MEANS FOR EACH MOTOR AND CONTROLLER WITHIN SIGHT AND EASY ACCESS OF EACH RESPECTIVE MOTOR AND CONTROLLER LOCATION. (CEC, ART. 102 (A) & (B) AND ART. 440.11 (D)). FOR CORC CONNECTED EQUIPMENT SEE CEC, ART. 440.13.
  - TRACK LIGHTING SHALL BE INSTALLED PER CEC, ART. 410.101.
  - ALL EQUIPMENT LIGHTING FIXTURES AND ELECTRICAL COMPONENTS SHALL BEAR THE MARK OF A NATIONALLY RECOGNIZED TESTING LABORATORY. ANY USED EQUIPMENT SHALL BE INSPECTED AND CERTIFIED PRIOR TO INSTALLATION. (CEC, ART. 110-3 (A) & (B)).
  - ALL NEW RECEPTACLES SHALL BE INSTALLED ABOVE 15-INCH HEIGHT ABOVE FINISH FLOOR, AND SHALL NOT BE INSTALLED ABOVE 48-INCH HEIGHT ABOVE FINISH FLOOR. THE CENTER OF SWITCHES FOR LIGHTING, RECEPTACLES AND HVAC EQUIPMENT NEEDS SHALL BE INSTALL AT 48-INCH HEIGHT ABOVE FINISH FLOOR.

## CONTROLS & OPERATING MECH.

- CONTROLS AND OPERATING MECHANISMS REQUIRED TO BE ACCESSIBLE BY SECTION 101.4.1.1 SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 1117B.6.
- CLEAR FLOOR SPACE COMPLYING WITH SECTION 1118B.4 THAT ALLOWS A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR SHALL BE PROVIDED AT CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT.
- THE HIGHEST AND LOWEST OPERABLE PART OF ALL CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT SHALL BE PLACED WITHIN 48" OF THE FLOOR BUT NOT LOWER THAN 15" IF FORWARD APPROACHED AND WITHIN 54" BUT NOT LOWER THAN 9" IF SIDE APPROACHED. ELECTRICAL AND COMMUNICATION SYSTEM RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15" ABOVE THE FLOOR.
- CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PUNCHING, OR TWISTING OF THE WRIST. FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE.
- FAUCET CONTROLS AND OPERATING MECHANISMS FOR KITCHEN SINKS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE FAUCET CONTROLS AND OPERATING MECHANISMS FOR KITCHEN SINKS SHALL BE NO GREATER THAN 5 POUNDS. LEVER OPERATED, PUSH TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

## ENERGY REQUIREMENTS (FOR ALL NEW CONSTRUCTION)

- EACH WINDOW AND DOOR LOCATED IN WALLS WHICH SEPERATE CONDITIONED AND UNCONDITIONED SPACE (INCLUDING BUILDING EXTERIOR) SHALL BE LABELED BY THE MANUFACTURER TO CERTIFY COMPLIANCE WITH THE REQUIREMENTS OF NATIONAL PENETRATION RATING COUNCIL PER NFRC 100 AND 200 FOR FIELD VERIFICATION BY THE INSPECTOR. (CMC SECTION 102.3).

## DEMOLITION NOTES

- COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY AND ENVIRONMENTAL PROTECTION.
- PROVIDE AND MAINTAIN BARRICADES, LIGHTING AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT OCCUPANTS OF BUILDING AND WORKERS.
- ERECT AND MAINTAIN DUSTPROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST, FUMES AND SMOKE, ETC. TO OTHER PARTS OF THE BUILDING. UPON COMPLETION, REMOVE PARTITIONS AND REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACE.
- IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE EFFECTED AREAS AT NO COST TO THE OWNER.
- REMOVE FROM SITE DAILY AND LEGALLY DISPOSE OF REFUSE, DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.
- REMOVE DESIGNATED PARTITION, COMPONENTS, BUILDING EQUIPMENT, AND FIXTURES AS REQUIRED FOR NEW WORK.
- REMOVE ABANDONED HVAC EQUIPMENT, INCLUDING DUCTWORK.
- REMOVE ABANDONED ELECTRICAL TELEPHONE AND DATA CABLING AND DEVICES, U.O.N.
- REMOVE EXISTING FLOOR FINISHES AND PREPARE SUBFLOOR AS REQUIRED FOR NEW FLOOR FINISHES.

## PAINT FINISHES

ALL PAINTING WORK INCLUDING BACK-PRIMING, SEALING, FILLING, PAINTING, STAINING OR LACQUERING OR OTHER WORK REASONABLY INCIDENTAL TO THE FINISH OF ALL EXTERIOR AND INTERIOR WOODWORK, GYPSUM WALLBOARD, PLYWOOD, SHEET METAL, STEEL, IRONWORK, ETC. SHALL BE IN ACCORDANCE WITH THE RECOMMENDED STANDARDS AS SET FORTH IN THE "PAINTING SPECIFICATIONS OF THE PAINTING AND DECORATING CONTRACTOR'S ASSOCIATION OF AMERICA."

## MECHANICAL

- MECHANICAL. SEE M SHEETS FOR ADDITIONAL INFORMATION.
- BUILDINGS SHALL BE PROVIDED WITH NATURAL VENTILATION (CBC, SEC. 1203.4) OR MECHANICAL VENTILATION. (CMC, SEC. 402.3 & 403.0).
  - RESTROOMS SHALL BE PROVIDED WITH EXHAUST VENTILATION. (CMC, SEC. 403.7 & 4.4).
  - CONDENSATE FROM HVAC COOLING COILS AND OVERFLOW FROM EVAPORATIVE COOLERS SHALL BE COLLECTED AND DISCHARGED TO AN APPROVED PLUMBING FIXTURE OR DISPOSAL AREA. (CMC, SEC. 310.1)
  - HVAC DUCTS SHALL BE SUPPORTED IN AN APPROVED MANNER. (CMC, SEC. 604.5 & 16-7 & 16-10).
  - HVAC DUCTS SHALL BE SEALED TO MEET THE APPLICABLE REQUIREMENTS OF UL-181, UL-181A, OR UL-181B (CEC, SEC. 124(A)).

## PLUMBING

- PLUMBING (REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION):
- DRAINAGE PIPING SHALL BE CAST IRON, GALVANIZED WROUGHT IRON, COPPER, BRASS, STAINLESS STEEL, 304 OR 316L, SCHEDULE 40 ABS DREW, SCHEDULE 40 PVC DWV, OR EXTRA STRENGTH WTRIFIED CLAY PIPA. (CPC, SEC. 701.1 & 701.1.2, AND CPC CH. 15).
  - WATER PIPING SHALL BE COPPER TYPE L PER T 6-4.
  - PROVIDE AN APPROVED TYPE PRESSURE REGULATOR SET AT 80 P.S.I. MAX. WHEN THE LOCAL WATER PRESSURE IS IN EXCESS OF 80 P.S.I. (CPC, SEC. 602). PER CPC, SEC. 314 & T 3-2.1.
  - PLUMBING VENTS SHALL TERMINATE NOT LESS THAN 10'-0" FROM OR AT LEAST 3'-0" ABOVE ANY OPENABLE WINDOW, DOOR OPENING, AIR INTAKE OR VENTILATION SHAFT, NOR LESS THAN 3'-0" IN EVERY DIRECTION FROM ANY PROPERTY (LOT) LINE. (CPC, SEC. 906.2)
  - WATER CLOSET BOWLS USED FOR THE PUBLIC SHALL BE ELONGATED IN DESIGN AND EQUIPPED WITH AN OPEN FRONT SEAT. (CPC, SEC. 408.1)
  - CONTROLS FOR AN ACCESSIBLE (A.D.A.) WATER CLOSET SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING. CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET COMPARTMENT SPACE NO MORE THAN 44-INCH HEIGHT ABOVE THE FINISH FLOOR. (CBC, SEC. 1115B.4.5)
  - IN SEISMIC DESIGN CATEGORIES C, D, E, AND F THE TANK TYPE WATER HEATERS SHALL BE STRAPPED WITHIN THE UPPER 1/3 AND LOWER 1/3 OF THE VERTICAL DIMENSION. THE LOWER STRAP SHALL BE A MINIMUM OF 4 INCHES ABOVE THE CONTROLS. (CPC, SEC. 508.2)
  - FLUSH VOLUMES FOR LOW-CONSUMPTION AND WATER-SAVER WATER CLOSETS AND URINALS SHALL COMPLY WITH THE STANDARDS REFERENCED IN T-14-1 AND CPC, SEC. 402.2 & 402.3.
    - A WATER CLOSETS, EITHER FLUSH TANK OR FLUSH-0-METER VALVE OPERATED SHALL HAVE AN AVERAGE CONSUMPTION OF NOT MORE THAN 1.6 GALLONS PER FLUSH.
    - URINALS SHALL HAVE AN AVERAGE WATER CONSUMPTION OF NOT MORE THAN 1.0 GALLONS PER FLUSH.
  - ALL PIPING SHALL BE SUPPORTED PER CPC, SEC. 314 & T 3-2.1

## DISABLE ACCESS NOTES (CONT.)

- IF CARPET OR CARPET TILE IS USED ON A GROUND OR FLOOR SURFACE, IT SHALL BE SECURELY ATTACHED, HAVE A FIRM CUSHION, PAD OR BACKING OR NO CUSHION OR PAD; AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. THE MAXIMUM PILE HEIGHT SHALL BE 1/2". EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE.
- IF SEATING FOR PEOPLE IN WHEELCHAIRS IS PROVIDED AT FIXED TABLES OR COUNTERS, KNEE SPACES AT LEAST 27" HIGH, 30" WIDE, AND 19" DEEP SHALL BE PROVIDED.
- THE INTERNAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND; THE BLUE SHALL BE EQUAL TO COLOR #15090 IN FEDERAL STANDARD 595B.
- ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE IDENTIFIED WITH A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS.
- WHEN PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES OF A BUILDING OR SITE, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR, WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISHED FLOOR TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.
- THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF CONTROLS OR SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING, AND VENTILATING EQUIPMENT SHALL MEET THE REQUIREMENTS OF PART 2, CALIFORNIA BUILDING CODE (CBC), SECTION 1118B, SPACE ALLOWANCE AND REACH RANGES, FOR PERSONS WITH DISABILITIES AND SHALL NOT BE MORE THAN 48" ABOVE THE FLOOR OR WORKING PLATFORM.
- THE CENTER OF FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED 48" ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE, OR SIDEWALK WHERE INSTALLED.
- CONTROLS AND OPERATING MECHANISMS REQUIRED TO BE ACCESSIBLE
- CLEAR FLOOR SPACE THAT ALLOWS A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR SHALL BE PROVIDED AT CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT.
- THE HIGHEST AND LOWEST OPERABLE PART OF ALL CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT SHALL BE PLACED WITHIN 48" OF THE FLOOR BUT NOT LOWER THAN 15" IF FORWARD APPROACH AND WITHIN 54" BUT NOT LOWER THAN 9" IF SIDE APPROACHED. ELECTRICAL AND COMMUNICATION SYSTEM RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15" ABOVE THE FLOOR.
- CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PUNCHING, OR TWISTING OF THE WRIST. FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE.
- FAUCET CONTROLS AND OPERATING MECHANISMS FOR KITCHEN SINKS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE FAUCET CONTROLS AND OPERATING MECHANISMS FOR KITCHEN SINKS SHALL BE NO GREATER THAN 5 POUNDS. LEVER OPERATED, PUSH TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
- CALIFORNIA'S STANDARDS FOR SIGNAGE ARE MORE STRINGENT AND ARE SIGNIFICANTLY LARGER AND WIDER THAN FEDERAL LAW, AMERICANS WITH DISABILITIES ACT (ADA)
- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS.

## TITLE 24 NOTES (FOR ALL NEW CONSTRUCTION)

- EVERY REQUIRED EXIT DOORWAY WHICH IS LOCATED WITHIN AN ACCESSIBLE PATH OF TRAVEL SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGRESS, SHALL HAVE A MINIMUM CLEAR OPENING OF 32", AND 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.
- THERE SHALL BE A LEVEL AND CLEAR FLOOR OR 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 AT LEAST 60" AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN THE CLOSED POSITION. WHERE THE PLANE OF THE DOORWAY IS OFFSET OR LOCATED IN AN ALCOVE A DISTANCE MORE THAN 8 INCHES MEASURED FROM THE PLANE OF THE DOORWAY TO THE FACE OF THE WALL, THE DOOR SHALL BE PROVIDED WITH 60" MANUEVERING CLEARANCE FOR FRONT APPROACH.
- THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND 24" PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND 18" PAST THE STRIKE EDGE FOR INTERIOR DOORS. WHERE THE DOOR IS RECESSED OR LOCATED IN AN ALCOVE, THE PROJECTION DISTANCE ALLOWED TO PROJECT INTO THE REQUIRED DOOR STRIKE CLEARANCE MEASURED FROM THE FACE OF THE WALL TO THE FACE OF THE DOOR IS LIMITED TO 8 INCHES.
- PROVIDE CLEAR SPACE OF 12" PAST STRIKE EDGE OF THE DOOR ON THE OPPOSITE SIDE TO WHICH THE DOOR SWINGS IF THE DOOR IS EQUIPPED WITH BOTH A LATCH AND A CLOSER.
- IN BUILDINGS AND FACILITIES, FLOORS OF A GIVEN STORY SHALL BE A COMMON LEVEL THROUGHOUT, OR SHALL BE CONNECTED BY PEDESTRIAN RAMPS, PASSENGER ELEVATORS, OR SPECIAL ACCESS LIFTS.
- GROUND, OR FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES, INCLUDING FLOORS, WALKS, RAMPS, STAIRS, AND CURB RAMPS, SHALL BE STABLE, FIRM, AND SLIP-RESISTANT.
- CHANGES IN LEVEL UP TO 1/4 INCH MAY BE VERTICAL AND WITHOUT EDGE TREATMENT.
- CHANGES IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE ACCOMPLISHED BY MEANS OF A RAMP NO STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL.
- IF CARPET OR CARPET TILE IS USED ON A GROUND OR FLOOR SURFACE, IT SHALL BE SECURELY ATTACHED, HAVE A FIRM CUSHION, PAD OR BACKING OR NO CUSHION OR PAD; AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. THE MAXIMUM PILE HEIGHT SHALL BE 1/2". EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 1124B.2.
- IF SEATING FOR PEOPLE IN WHEELCHAIRS IS PROVIDED AT FIXED TABLES OR COUNTERS, KNEE SPACES AT LEAST 27" HIGH, 30" WIDE, AND 19" DEEP SHALL BE PROVIDED.
- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND; THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B.
- ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE IDENTIFIED WITH A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS.
- WHEN PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES OF A BUILDING OR SITE, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH SECTION 1117B.5.2 THROUGH 1117B.5.7. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR, WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISHED FLOOR TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.
- THE CENTER OF JUNCTION BOX FOR ELECTRICAL AND COMMUNICATION SYSTEM RECEPTACLE OUTLETS SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION MEETING THE CLEARANCES AND REACH RANGE REQUIREMENTS OF SECTION 1118B AND NOT LESS THAN 15" ABOVE THE FLOOR OR WORKING PLATFORMS.
- THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF CONTROLS OR SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING, AND VENTILATING EQUIPMENT SHALL MEET THE REQUIREMENTS OF PART 2, CALIFORNIA BUILDING CODE (CBC), SECTION 1118B, SPACE ALLOWANCE AND REACH RANGES, FOR PERSONS WITH DISABILITIES AND SHALL NOT BE MORE THAN 48" ABOVE THE FLOOR OR WORKING PLATFORM.
- THE CENTER OF FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED 48" ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE, OR SIDEWALK WHERE INSTALLED.
- CONTROLS FOR WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS.
- IN BUILDINGS AND FACILITIES, FLOORS OF A GIVEN STORY SHALL BE A COMMON LEVEL THROUGHOUT, OR SHALL BE CONNECTED BY PEDESTRIAN RAMPS, PASSENGER ELEVATORS OR SPECIAL ACCESS LIFTS.
- FLOOR SURFACES SHALL BE SLIP-RESISTANT.
- EVERY CORRIDOR AND AISLE SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE NOT LESS THAN 44" IN WIDTH.
- ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2" IN HEIGHT. LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL. BEVEL OTHERS WITH A SLOPE NO GREATER THAN 1:2
- 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 ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. MOUNT DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE FLOOR FINISH.
- CENTER HAND ACTIVATED DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE THE FLOOR.
- MAXIMUM PULL OR PUSH EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT CENTER PLANE OF SLIDING OR FOLDING DOORS. CORRESPONDING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. MAXIMUM EFFORT TO OPERATE REQUIRED FIRE DOORS MAY BE INCREASED NOT TO EXCEED 15 POUNDS.
- THE BOTTOM 10" OF ALL DOORS (EXCEPT SLIDING AND AUTOMATIC) SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. PROVIDE A 10" HIGH SMOOTH PANEL ON THE PUSH SIDE OF NARROW FRAME DOORS.
- EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE NOT LESS THAN 3' IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32".
- 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.
- IDENTIFY ACCESSIBLE ENTRANCES WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN WAYS.
- THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR 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 44" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION.
- FLOORS OR LANDINGS SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
- TO ALERT THE VISUALLY IMPAIRED, MARK THE UPPER APPROACH AND THE LOWER TREAD OF EACH INTERIOR STAIR WITH A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2" WIDE, PLACED PARALLEL TO AND NOT MORE THAN 1" FROM THE NOSE OF THE STEP OR LANDING. THE STRIP SHALL BE OF A MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR.
- CENTER ELECTRICAL RECEPTACLE OUTLETS NOT LESS THAN 15" ABOVE THE FLOOR OR WORKING PLATFORM.
- SANITARY FACILITIES LOCATED ON AN ACCESSIBLE FLOOR OF A BUILDING SHALL BE ACCESSIBLE TO THE PHYSICALLY HANDICAPPED.
- ENTRY TO SANITARY FACILITIES:
  - 44" CLEAR AISLES OR CORRIDORS WHERE OCCUPANT LOAD IS 10 OR MORE.
  - DOORWAYS TO HAVE A 32" CLEAR OPENING.
  - ON APPROACH SIDE, PROVIDE A 60" CLEAR LEVEL SPACE WHEN DOOR SWINGS TOWARD APPROACH AND 44" SPACE WHEN DOOR SWINGS AWAY FROM APPROACH. (REFER TO DRWG. 2/A00.40 FOR CLEARANCES BASED ON DIFFERENT APPROACHES)
- TOILET ROOM ACCESSORIES
  - MOUNT BOTTOM EDGE OF MIRRORS NO HIGHER THAN 40" FROM THE FLOOR.
  - MOUNT TOILET TISSUE DISPENSERS WITHIN 7'-9" FROM THE FRONT EDGE OF THE TOILET SEAT.
  - MOUNT DISPENSING AND DISPOSAL FIXTURES (TOWEL, SANITARY NAPKINS, WASTE, COIN SLOTS, ETC.) WITH OPERATING PARTS NO HIGHER THAN 40" FROM THE FLOOR.
- SINGLE ACCOMMODATION TOILET FACILITY
  - SEE 12/A00.40 FOR CLEARANCE REQUIREMENTS
- THE HEIGHT OF THE WATER CLOSET (TOP OF SEAT) SHALL BE BETWEEN 17" AND 19".
- MOUNT FLUSH VALVE CONTROL NO MORE THAN 44" ABOVE THE FLOOR, ON THE SIDE OF THE TOILET WITH THE GREATEST SEPARATION FROM ADJACENT WALL OR OTHER SURFACE.
- PROVIDE GRAB BARS ON EACH SIDE, OR ONE SIDE AND BACK OF WATER CLOSET.
  - GRAB BARS TO BE 33"-36" AFF TO TOP OF BAR AND PARALLEL TO THE FLOOR.
  - SIDE BARS TO BE 42" LONG AND PROJECT 24" IN FRONT OF WATER CLOSET STOOL. GRAB BAR AT BACK TO BE 36" LONG.
  - DIAMETER OF GRAB BARS TO BE 1-1/4" TO 1-1/2".
  - PROVIDE 1-1/2" CLEARANCE BETWEEN GRAB BARS AND WALL.
  - GRAB BARS (INCLUDING CONNECTORS, FASTENERS, SUPPORT BACKING, ETC.) SHALL SUPPORT A 250 POUND LOAD.
  - GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
  - GRAB BARS AND ANY ADJACENT SURFACE SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS.
  - H EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".
- PROVIDE A CLEAR FLOOR SPACE 30" X 48" IN FRONT OF LAVATORY TO PERMIT A FORWARD APPROACH.
- MOUNT LAVATORIES WITH A MINIMUM CLEARANCE OF 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON. PROVIDE KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MINIMUM OF 30" IN WIDTH WITH 8" MINIMUM WIDTH, AND SHALL BE A MINIMUM OF 9" HIGH FROM THE FLOOR A MINIMUM OF 17" DEEP FROM THE FRONT OF THE LAVATORY.
- FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF CLOSING ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
- INSULATE OR OTHERWISE COVER HOT WATER AND DRAIN PIPES UNDER LAVATORIES.
- THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

## DISABLED ACCESS NOTES (FOR APPLICABLE NEW CONSTRUCTION)

- IN BUILDINGS AND FACILITIES, FLOORS OF A GIVEN STORY SHALL BE A COMMON LEVEL THROUGHOUT, OR SHALL BE CONNECTED BY PEDESTRIAN RAMPS, PASSENGER ELEVATORS OR SPECIAL ACCESS LIFTS.
- FLOOR SURFACES SHALL BE SLIP-RESISTANT.
- EVERY CORRIDOR AND AISLE SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE NOT LESS THAN 44" IN WIDTH.
- ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2" IN HEIGHT. LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL. BEVEL OTHERS WITH A SLOPE NO GREATER THAN 1:2
- 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 ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. MOUNT DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE FLOOR FINISH.
- CENTER HAND ACTIVATED DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE THE FLOOR.
- MAXIMUM PULL OR PUSH EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT CENTER PLANE OF SLIDING OR FOLDING DOORS. CORRESPONDING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. MAXIMUM EFFORT TO OPERATE REQUIRED FIRE DOORS MAY BE INCREASED NOT TO EXCEED 15 POUNDS.
- THE BOTTOM 10" OF ALL DOORS (EXCEPT SLIDING AND AUTOMATIC) SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. PROVIDE A 10" HIGH SMOOTH PANEL ON THE PUSH SIDE OF NARROW FRAME DOORS.
- EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE NOT LESS THAN 3' IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32".
- 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.
- IDENTIFY ACCESSIBLE ENTRANCES WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN WAYS.
- THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR 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 44" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION.
- FLOORS OR LANDINGS SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
- TO ALERT THE VISUALLY IMPAIRED, MARK THE UPPER APPROACH AND THE LOWER TREAD OF EACH INTERIOR STAIR WITH A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2" WIDE, PLACED PARALLEL TO AND NOT MORE THAN 1" FROM THE NOSE OF THE STEP OR LANDING. THE STRIP SHALL BE OF A MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR.
- CENTER ELECTRICAL RECEPTACLE OUTLETS NOT LESS THAN 15" ABOVE THE FLOOR OR WORKING PLATFORM.
- SANITARY FACILITIES LOCATED ON AN ACCESSIBLE FLOOR OF A BUILDING SHALL BE ACCESSIBLE TO THE PHYSICALLY HANDICAPPED.
- ENTRY TO SANITARY FACILITIES:
  - 44" CLEAR AISLES OR CORRIDORS WHERE OCCUPANT LOAD IS 10 OR MORE.
  - DOORWAYS TO HAVE A 32" CLEAR OPENING.
  - ON APPROACH SIDE, PROVIDE A 60" CLEAR LEVEL SPACE WHEN DOOR SWINGS TOWARD APPROACH AND 44" SPACE WHEN DOOR SWINGS AWAY FROM APPROACH. (REFER TO DRWG. 2/A00.40 FOR CLEARANCES BASED ON DIFFERENT APPROACHES)
- TOILET ROOM ACCESSORIES
  - MOUNT BOTTOM EDGE OF MIRRORS NO HIGHER THAN 40" FROM THE FLOOR.
  - MOUNT TOILET TISSUE DISPENSERS WITHIN 7'-9" FROM THE FRONT EDGE OF THE TOILET SEAT.
  - MOUNT DISPENSING AND DISPOSAL FIXTURES (TOWEL, SANITARY NAPKINS, WASTE, COIN SLOTS, ETC.) WITH OPERATING PARTS NO HIGHER THAN 40" FROM THE FLOOR.
- SINGLE ACCOMMODATION TOILET FACILITY
  - SEE 12/A00.40 FOR CLEARANCE REQUIREMENTS
- THE HEIGHT OF THE WATER CLOSET (TOP OF SEAT) SHALL BE BETWEEN 17" AND 19".
- MOUNT FLUSH VALVE CONTROL NO MORE THAN 44" ABOVE THE FLOOR, ON THE SIDE OF THE TOILET WITH THE GREATEST SEPARATION FROM ADJACENT WALL OR OTHER SURFACE.
- PROVIDE GRAB BARS ON EACH SIDE, OR ONE SIDE AND BACK OF WATER CLOSET.
  - GRAB BARS TO BE 33"-36" AFF TO TOP OF BAR AND PARALLEL TO THE FLOOR.
  - SIDE BARS TO BE 42" LONG AND PROJECT 24" IN FRONT OF WATER CLOSET STOOL. GRAB BAR AT BACK TO BE 36" LONG.
  - DIAMETER OF GRAB BARS TO BE 1-1/4" TO 1-1/2".
  - PROVIDE 1-1/2" CLEARANCE BETWEEN GRAB BARS AND WALL.
  - GRAB BARS (INCLUDING CONNECTORS, FASTENERS, SUPPORT BACKING, ETC.) SHALL SUPPORT A 250 POUND LOAD.
  - GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
  - GRAB BARS AND ANY ADJACENT SURFACE SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS.
  - H EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".
- PROVIDE A CLEAR FLOOR SPACE 30" X 48" IN FRONT OF LAVATORY TO PERMIT A FORWARD APPROACH.
- MOUNT LAVATORIES WITH A MINIMUM CLEARANCE OF 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON. PROVIDE KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MINIMUM OF 30" IN WIDTH WITH 8" MINIMUM WIDTH, AND SHALL BE A MINIMUM OF 9" HIGH FROM THE FLOOR A MINIMUM OF 17" DEEP FROM THE FRONT OF THE LAVATORY.
- FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF CLOSING ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
- INSULATE OR OTHERWISE COVER HOT WATER AND DRAIN PIPES UNDER LAVATORIES.
- THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

## GENERAL NOTES

- COMPLY WITH CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS OF PUBLIC AUTHORITIES GOVERNING THE WORK.
- OBTAIN AND PAY FOR PERMITS AND INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK.
- REVIEW DOCUMENTS, VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT WORK IS BUILDABLE AS SHOWN. REPORT ANY CONFLICTS OR OMISSIONS TO THE ARCHITECT FOR CLARIFICATION PRIOR TO PERFORMING ANY WORK IN QUESTION.
- SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS, OR CHANGES TO ARCHITECT FOR REVIEW PRIOR TO PURCHASE, FABRICATION OR INSTALLATION.
- OWNER WILL PROVIDE WORK NOTED "BY OTHERS" OR "NIC" UNDER SEPARATE CONTRACT. INCLUDE SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF INSTALLATION
- COORDINATE TELECOMMUNICATIONS, DATA AND SECURITY SYSTEM INSTALLATIONS.
- PROTECT AREA OF WORK AND ADJACENT AREAS FROM DAMAGE.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN

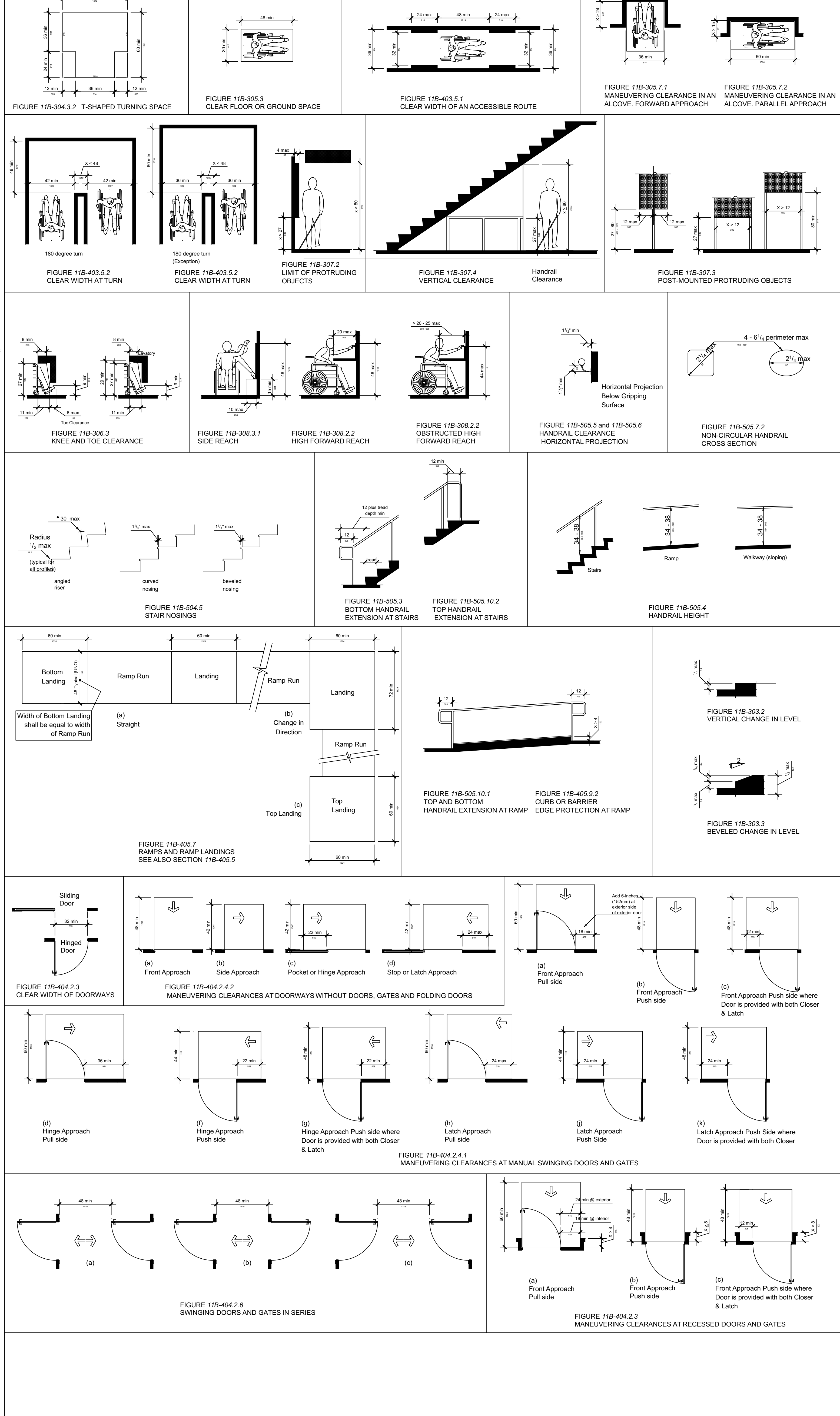
2016 CBC CHAPTER 11B - ACCESSIBILITY TO PUBLIC BUILDINGS

CBC CHAPTER 11B - ACCESSIBILITY TO PUBLIC BUILDINGS
THE CODE SECTIONS NOTED BELOW ARE EXEMPTS FROM THE CALIFORNIA BUILDING CODE, 2016 EDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE OF THIS ENTIRE CHAPTER WHERE THE PROJECT CONDITIONS APPLY.

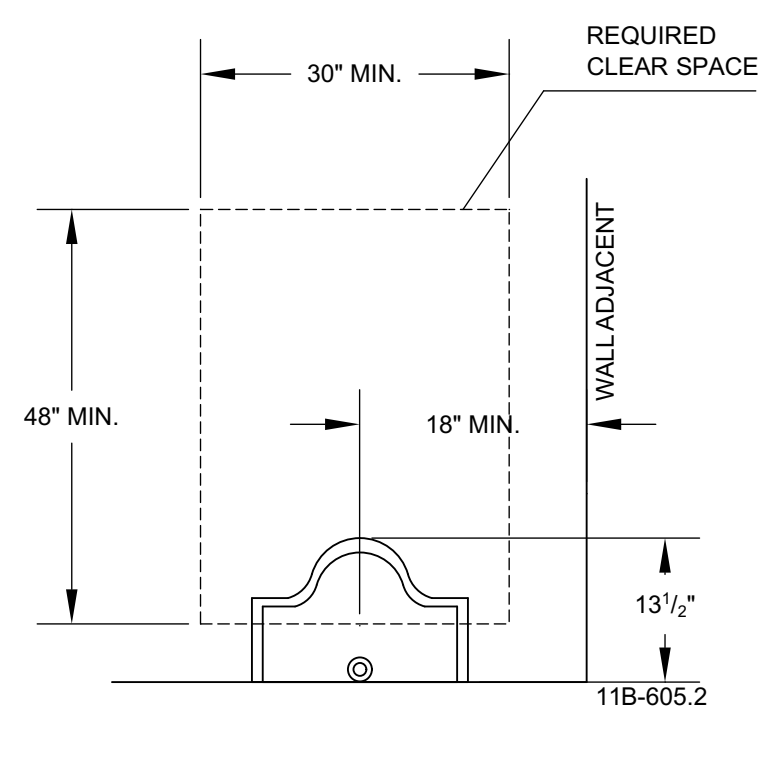
11B-201.4: THESE REQUIREMENTS SHALL APPLY TO TEMPORARY OR PERMANENT CONSTRUCTION SUPPORT FACILITIES...
11B-202.1: REDUCTION OF ACCESS IS PROHIBITED.
11B-202.3.1: REDUCTION OF ACCESS IS PROHIBITED.
11B-202.4: ACCESSIBLE PATH.
11B-203: GENERAL EXCEPTIONS.

11B-401.2.3: CLEAR WIDTH
1. DOOR OPENINGS WITH SWING DOORS SHALL PROVIDE A CLEAR WIDTH OF 36-INCH MINIMUM MEASURED FROM THE FACE OF THE DOOR IN THE OPEN POSITION AND THE JAMB STOP WITH THE DOOR OPEN AT AN EXCESS OF 2 INCHES.

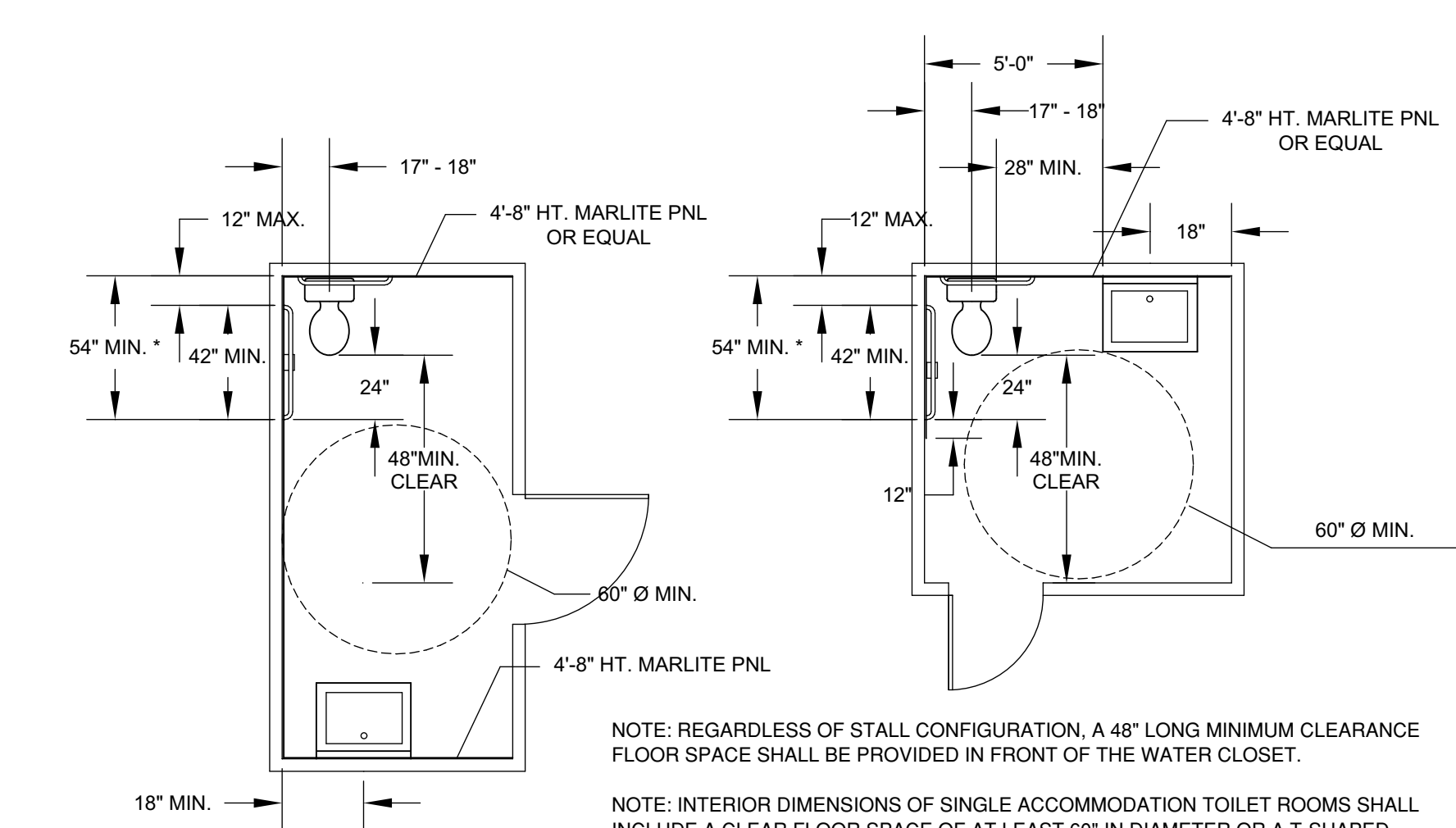
11B-402: DRINKING FOUNTAINS
11B-211.2: NO FEWER THAN 2 DRINKING FOUNTAINS SHALL BE PROVIDED. ONE DRINKING FOUNTAIN SHALL BE WHEELCHAIR ACCESSIBLE AND ONE DRINKING FOUNTAIN SHALL BE FOR STANDING PERSONS.
11B-403: MANEUVERING CLEARANCES SHALL EXCEED THE FULL WIDTH OF THE WALKING SURFACE WITHOUT DETECTABLE WARNINGS.



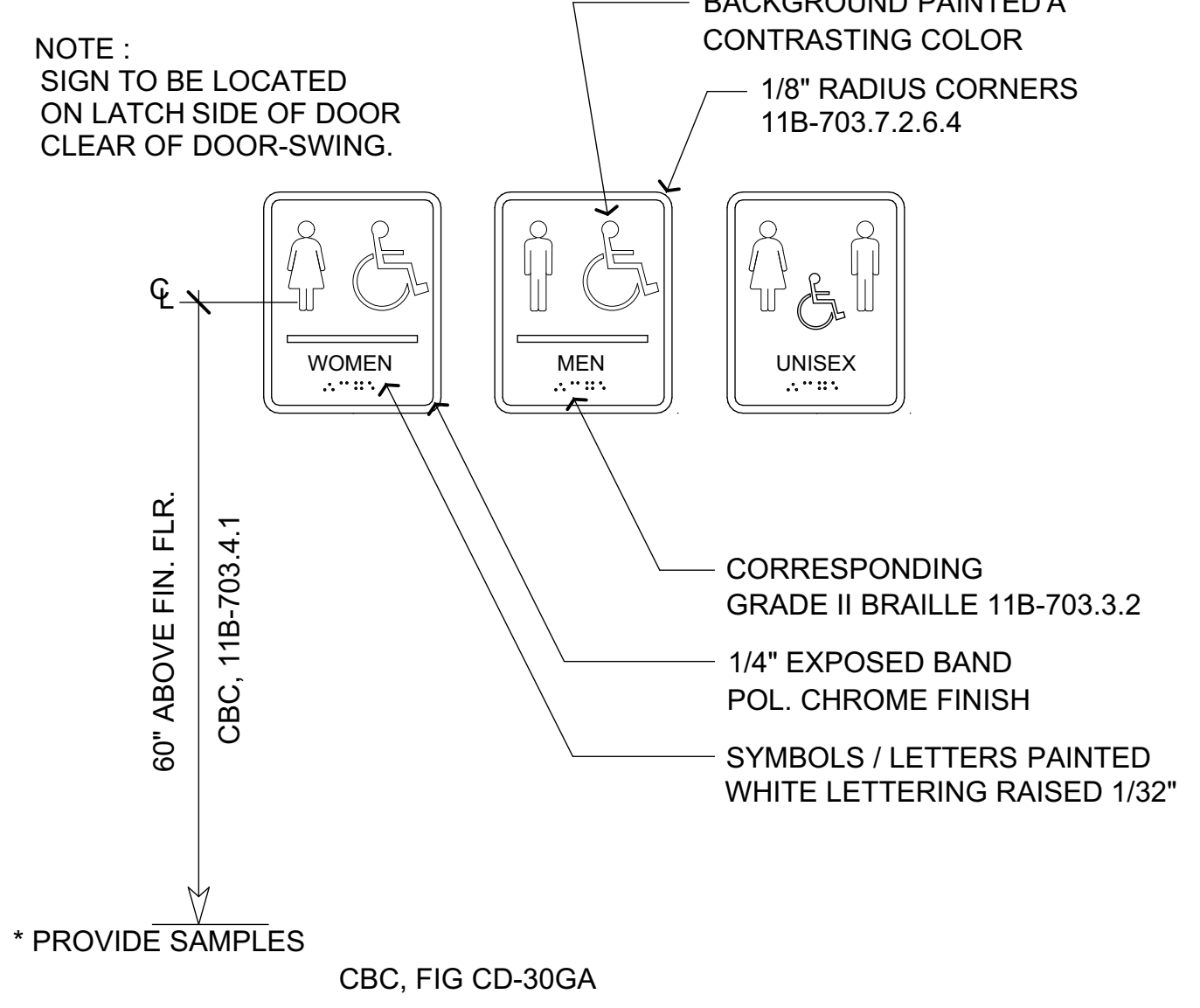
REVISIONS / DESCRIPTION DATE BY
GENERAL UPDATE PER M/JM/REV AUG 11, 2017 RES REC
ADDRESS COMMENTS ADDED TO E/FIN PLAN CONSTRUCTION SUBMITTAL AUG 31, 2017 RES REC
COPYRIGHT ROY E COLBERT ARCHITECT 2017 ALL RIGHTS RESERVED
THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS ARE PREPARED ON THE BASIS OF DATA, SURVEYING, AND FIELD INFORMATION PROVIDED BY THE ARCHITECT. THIS ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS OR OMISSIONS AND THE INCORPORATION OF ANY E-CODES, ARCHITECT, THESE DOCUMENTS IN WHOLE OR IN PART SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN PERMISSION OF ROY E. COLBERT ARCHITECT.
ROY E COLBERT ARCHITECTURE PLANNING DESIGN
1997 E. MAIN STREET VENTURA, CA 93001
805 650 9500 PH 805 650 9589 FX
rcob@siglobal.net
CALIFORNIA C12050 N.C.A.B.
ISSUED FOR CONSTRUCTION
VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
VENTURA COLLEGE
4667 Telegraph Road
Ventura, CA 93003
DEPARTMENT OF MAINTENANCE & OPERATIONS
4900 Loma Vista Road
Ventura, CA 93003
PROJECT DIRECTORY
ELECTRICAL ENGINEERING: Lucci & Associates
HVAC MECHANICAL / PLUMB ENGINEER: A/E/C GROUP
FIRE PROTECTION ENGINEER: Callings & Associates LLC
VENTURA COLLEGE MAINTENANCE & OPERATIONS INTERIOR TENANT IMPROVEMENT BUILDING C
10 JULY 2017
DATE:
AS SHOWN SES
SCALE: DRAWN BY:
C16- 013 P 0107586
ARCHITECT PROJECT #: VCCCD PROJECT #:
A-005
SHEET NUMBER: OF SHEETS



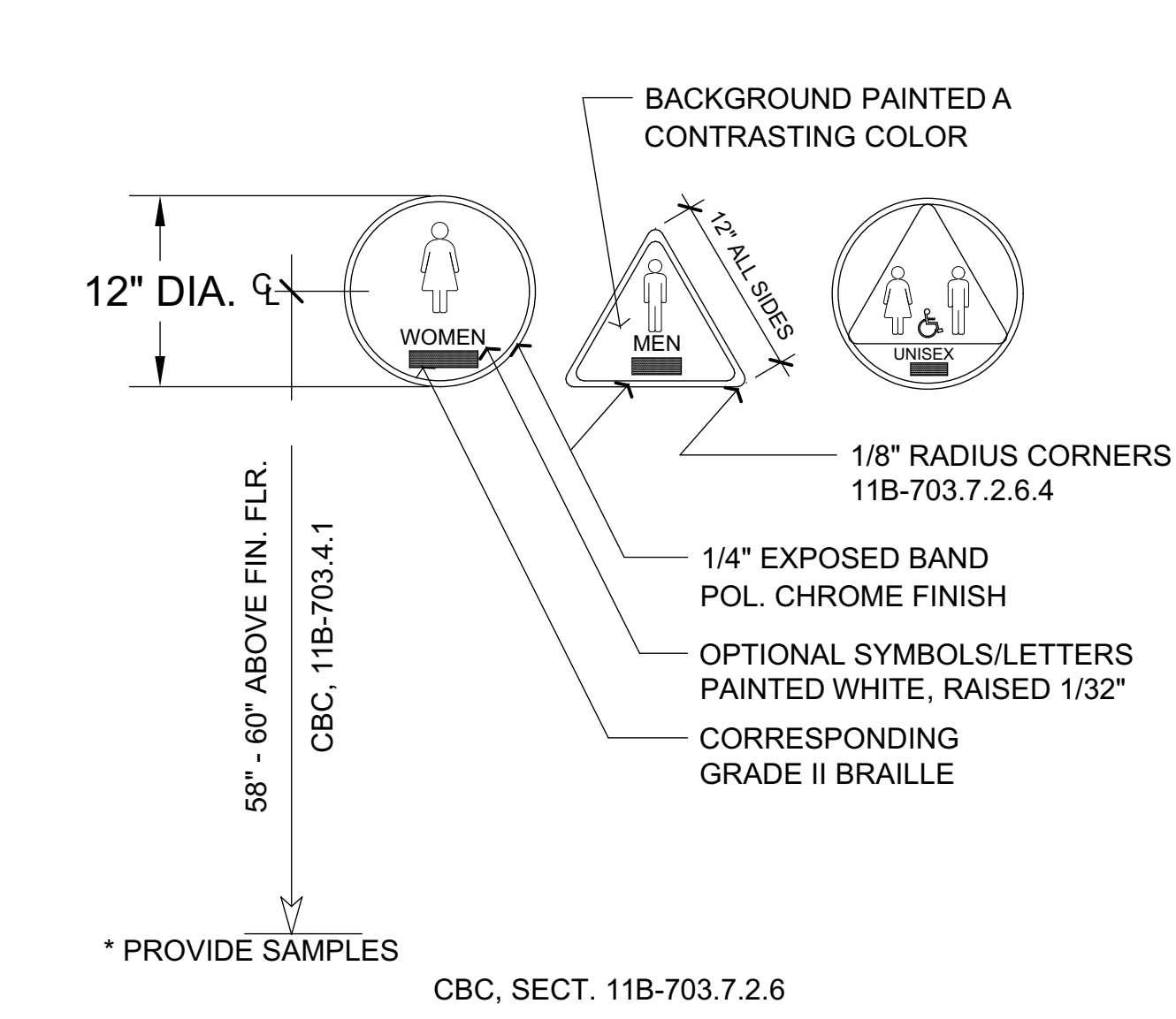
4 PLAN VIEW OF URINAL  
NO SCALE



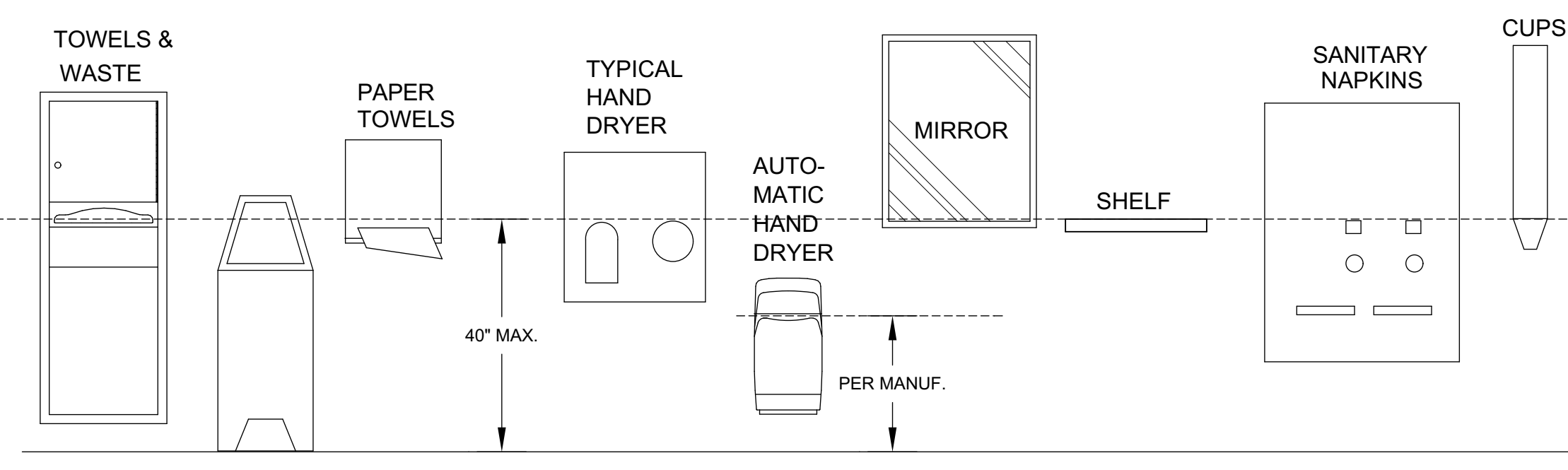
3 PLAN VIEW - TYPICAL ROOMS  
NO SCALE



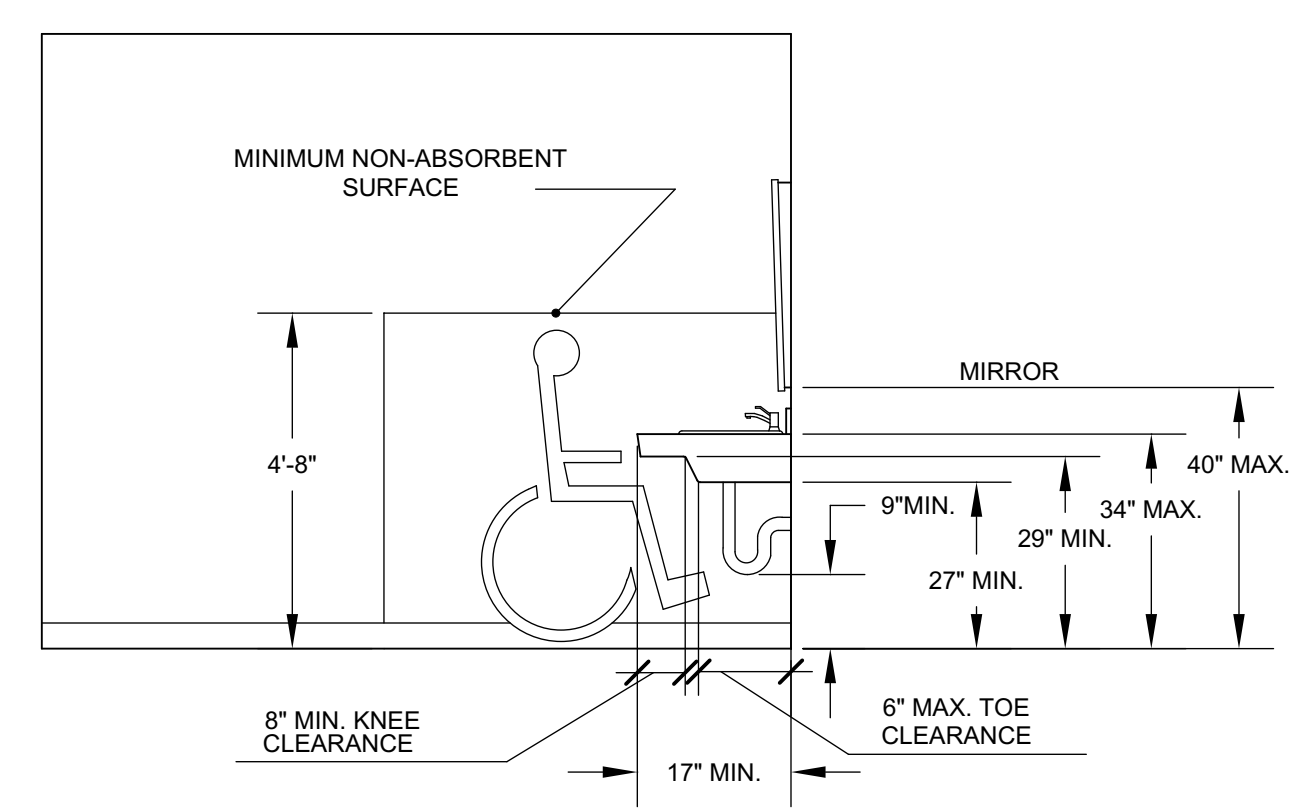
2 WALL MOUNTED SIGNAGE DETAIL  
NO SCALE



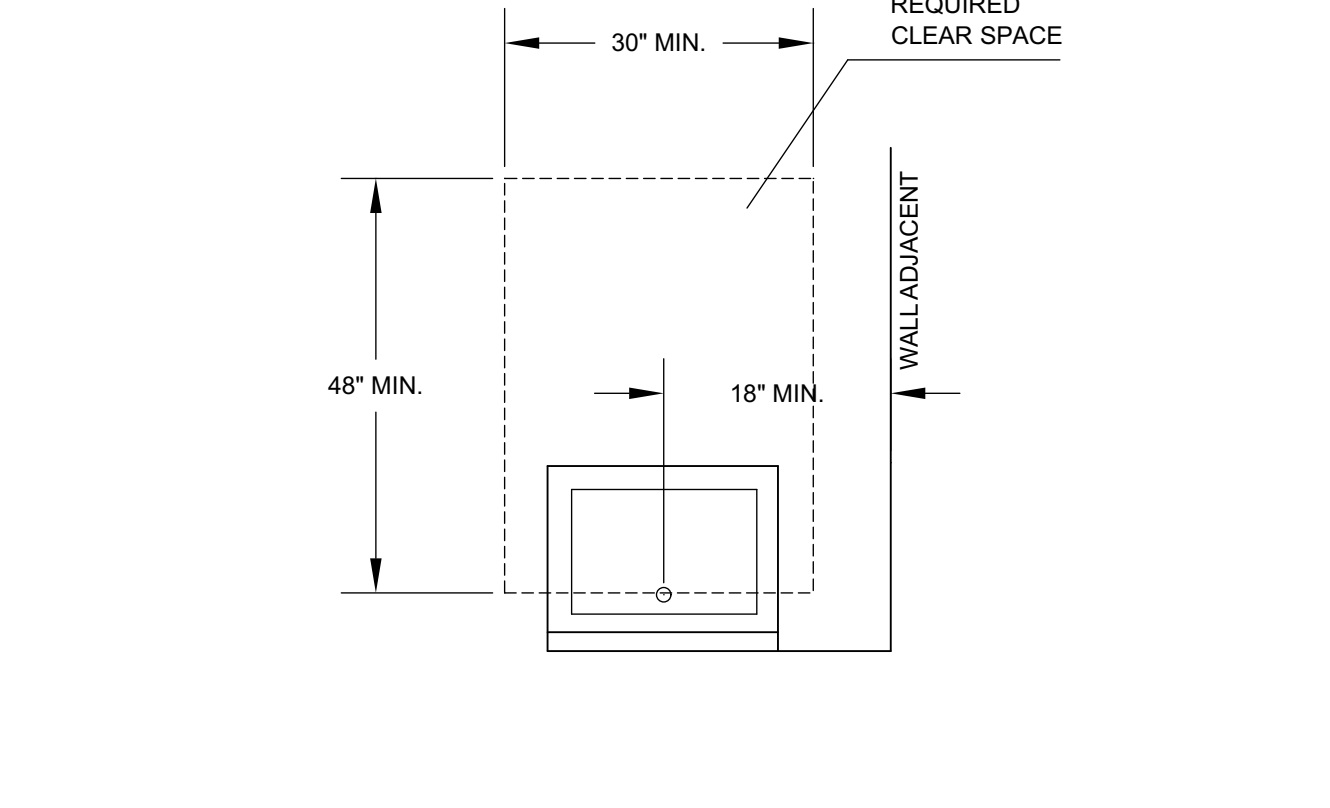
1 DOOR MOUNTED SIGNAGE DETAIL  
NO SCALE



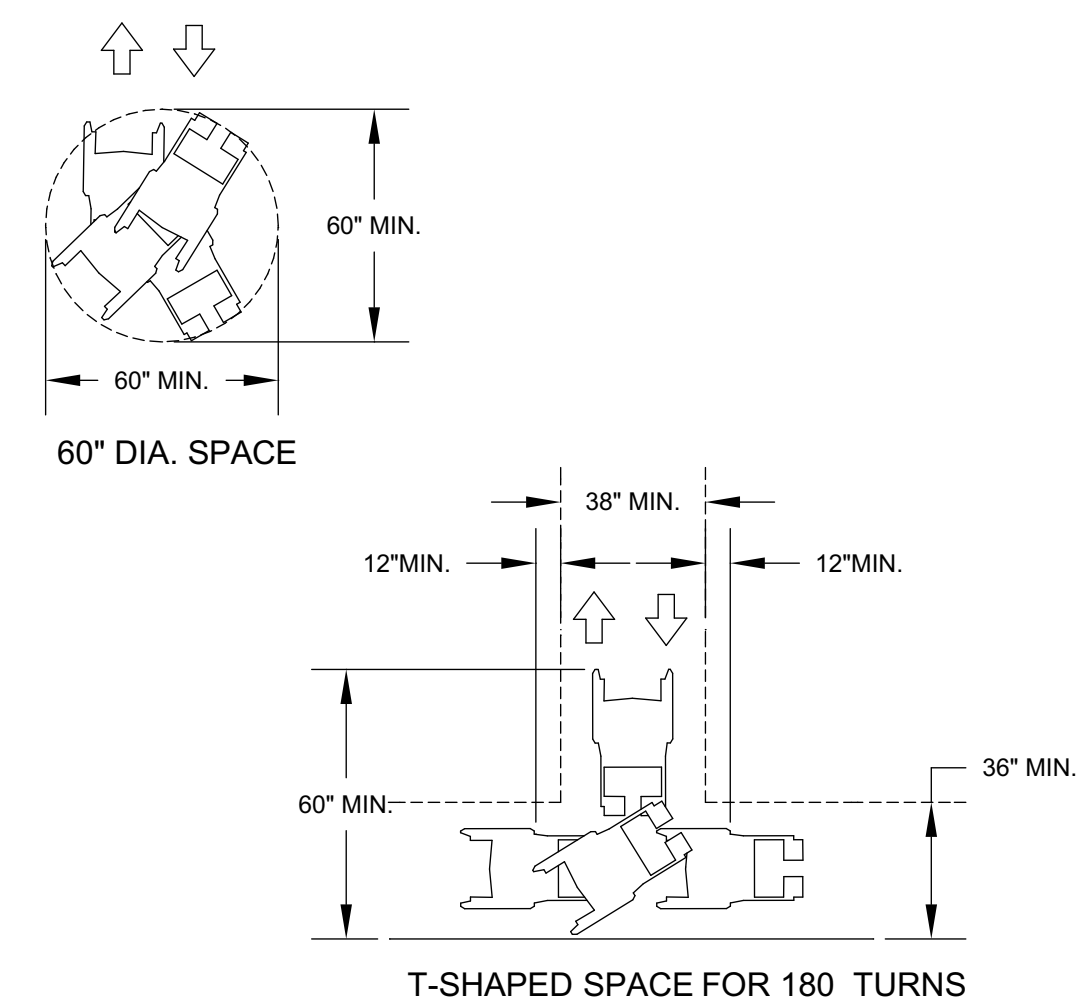
7 ELEVATION OF RESTROOM ACCESSORIES  
NO SCALE



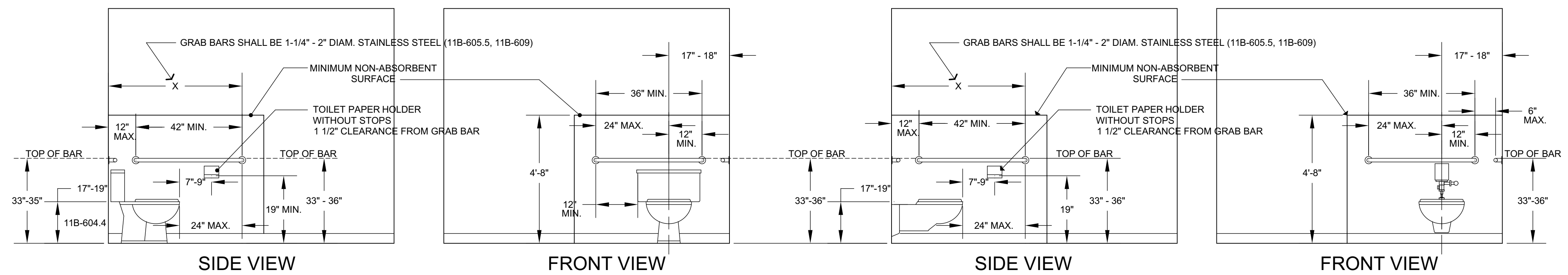
6 ELEVATION OF WALL MOUNTED LAVATORY  
NO SCALE



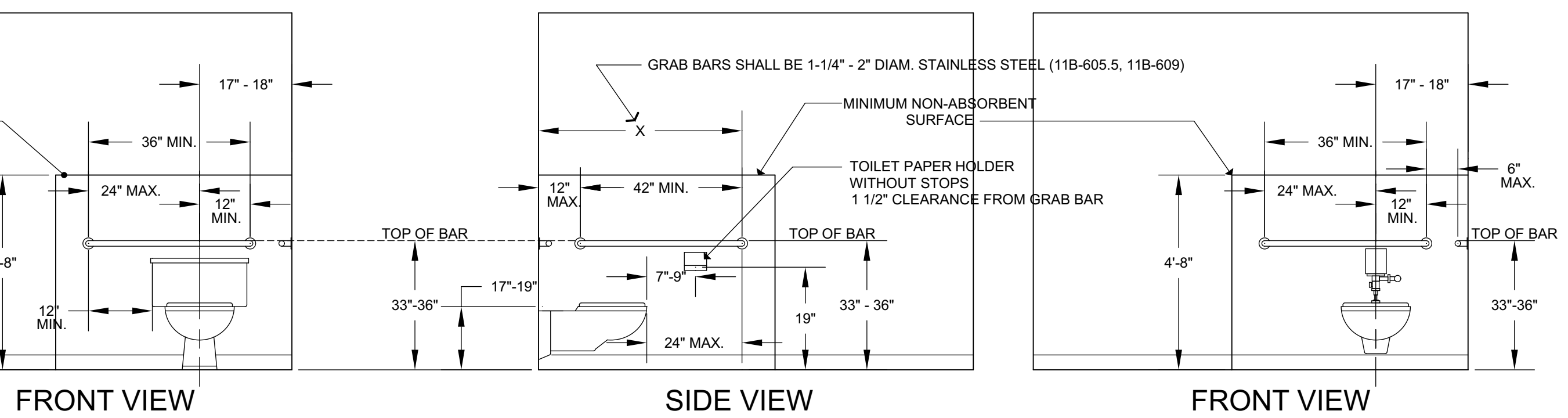
5 PLAN VIEW OF LAVATORY  
NO SCALE



10 TYPICAL TURNING ACCESS CLEARANCES  
NO SCALE



9 ELEVATION OF FLOOR MOUNTED TOILETS  
NO SCALE



8 ELEVATION OF WALL MOUNTED TOILETS  
NO SCALE

ACCESSIBILITY GENERAL NOTES

- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOM FACILITIES AND AT ACCESSIBLE BUILDING ENTRANCES UNLESS ALL ENTRANCES ARE ACCESSIBLE. INACCESSIBLE ENTRANCES SHALL HAVE DIRECTIONAL SIGNS INDICATING THE NEAREST ACCESSIBLE ENTRANCE.
- RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 18" ABOVE FINISH FLOOR. EXCEPTION: HEIGHT LIMITATIONS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE, OR WHERE ELECTRICAL RECEPTACLES ARE NOT NORMALLY INTENDED.
- WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED, THESE SYSTEMS SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTROOMS, AND PLACED EITHER 80" ABOVE FINISH FLOOR OR 6" BELOW FINISH CEILING, WHICHEVER IS LOWER.
- DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (i.e.: LEVER-OPERATED, PUSH AND U-SHAPED PULLS) INSTALLED AT 34" - 44" A.F.F. (CBC, 11B-404.2.7)
- FLOOR SURFACE (PER FINISH SCHEDULE) SHALL BE INSTALLED TO BE STABLE, FIRM & SLIP RESISTANT. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2. CHANGES IN LEVEL GREATER THAN 1/2" REQUIRE A RAMP. GRATINGS IN A FLOOR SURFACE SHALL HAVE SPACES NO GREATER THAN 1/2" WIDTH. DOORWAY THRESHOLDS AND SADDLES SHALL NOT EXCEED 1/2" HEIGHT.
- GRAB BARS REQUIRED FOR ACCESSIBILITY SHALL BE 1 1/2" - 2" DIAMETER WITH 1 1/2" CLEAR SPACE BETWEEN THE BAR AND THE WALL (CBC, 11B-609.2.1)
- ACCESSIBLE WATER CLOSETS SHALL BE 17" - 19" FROM FLOOR TO TOP OF SEAT. GRAB BARS SHALL BE 36" LENGTH LOCATED BEHIND THE WATER CLOSET AND 42" LENGTH LOCATED ALONG THE SIDE, AND THE TOP OF THE GRAB BAR SHALL BE BETWEEN 33" - 36" ABOVE FINISH FLOOR.
- ACCESSIBLE URINALS SHALL BE STALL TYPE OR WALL-HUNG TYPE, EACH WITH ELONGATED RIMS AT 17" MAXIMUM ABOVE FINISH FLOOR.
- ACCESSIBLE LAVATORIES SHALL BE INSTALLED WITH THE RIM AT 34" MAX. ABOVE FINISH FLOOR AND A CLEARANCE OF 29" MIN. A.F.F. TO UNDERSIDE OF THE APRON.
- ACCESSIBLE SINKS SHALL BE INSTALLED WITH THE RIM AT 34" MAX. A.F.F. AND CLEARANCE OF 27" MIN. HEIGHT x 30" WIDTH x 19" DEPTH UNDER THE SINK.
- ALL WATER AND DRAIN PIPING UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP NOR ABRASIVE SURFACES AND EDGES UNDER ACCESSIBLE LAVATORIES AND SINKS.
- ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE FAUCETS AND VALVESETS (i.e.: LEVER-OPERATED, PUSH-TYPE, ELECTRONICALLY CONTROLLED).
- WHEN MIRRORS ARE INSTALLED IN RESTROOMS ABOVE THE ACCESSIBLE LAVATORY, IT SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE MIRRORED SURFACE AT 40" MAX. ABOVE THE FINISHED FLOOR.

RESTROOM ACCESSIBILITY CODE REFERENCES

- TOILET ROOMS SHALL COMPLY WITH CBC, SECT. 11B-603.
- ALL OPERABLE PARTS OF TOILET ROOM ACCESSORIES SHALL BE 40-INCHES HT. MAXIMUM ABOVE FINISH FLOOR. (11B-603.5)
- THE CENTER LINE OF THE ACCESSIBLE TOILET SHALL BE 17 TO 18 INCHES FROM THE SIDEWALL OR PARTITION. (11B-604.2)
- CLEARANCE AROUND AN ACCESSIBLE TOILET SHALL BE 60-INCHES MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56-INCHES FOR A WALL-MOUNTED TOILET MEASURED PERPENDICULAR FROM THE REAR WALL. (11B-604.3.1 AND 11B-604.8.1)
- CLEARANCE IN FRONT OF THE TOILET SHALL BE 60-INCHES MINIMUM WIDTH AND 48-INCHES DEPTH MANEUVERING SPACE. (11B-604.3.1)
- FLUSH VALVES, MANUALLY OPERATED OR AUTOMATIC, SHALL BE LOCATED ON THE OPEN SIDE OF THE COMPARTMENT AND 44-INCH HT. MAXIMUM. (11B-604.6)
- TOILET TISSUE DISPENSERS SHALL BE 7-9" IN FRONT OF THE TOILET AS MEASURED TO THE CENTER LINE OF THE DISPENSER, AND 19-INCHES MINIMUM ABOVE THE FINISH FLOOR. (11B-604.7)
- WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS SHALL BE 60-INCHES WIDTH MINIMUM AND 56-INCHES DEPTH FOR WALLHUNG TOILETS, OR 59-INCHES DEPTH FOR FLOOR MOUNTED TOILETS WHEN AT LEAST ONE SIDE WALL PROVIDES 9-INCH HEIGHT TOE SPACE UNDER. (11B-604.3.1 AND 11B-604.8.1)
- WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT DOORS SHALL BE 34-INCHES WIDTH MINIMUM CLEAR OPENING AND BE SELF-CLOSING. (11B-604.8.1.2)
- GRAB BARS SHALL BE 1 1/2" - 2" DIAM. AND BE INSTALLED AT 1 1/2" MAXIMUM FROM THE WALL IT IS MOUNTED ON. (11B-604.8.1.5 AND 11B-609)
- AMBULATORY ACCESSIBLE COMPARTMENTS SHALL BE 35"-37" WIDTH AND 60-INCHES DEPTH MINIMUM. (11B-604.8.2.1)
- URINAL SHALL BE INSTALLED WITH THE FRONT RIM 17-INCHES ABOVE FINISH FLOOR AND 13 1/2" DEPTH MINIMUM. (11B-605.2, 11B-605.4 AND 11B-305)
- MANUAL LEVER FLUSH VALVES FOR TOILETS AND URINALS SHALL HAVE AN OPERATING FORCE NO GREATER THAN 5 LBS. MAXIMUM, OPERATE WITH ONE HAND, AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. (11B-309.4)
- LAVATORIES SHALL BE INSTALLED AT 34-INCHES HT. WITH 29-INCHES UNDER COUNTER CLEARANCE, AND CLEAR FLOOR SPACE. (11B-606, 11B-606.4 AND 11B-305)
- TOILET ROOM ACCESSIBILITY DOOR SYMBOLS SHALL COMPLY WITH CBC, SECT. 11B-703.7.2.6.

THESE ARE TYPICAL CONDITIONS AND DIMENSIONS OF RESTROOMS. THIS INFORMATION SHALL BE USED AS REFERENCE FOR ALL RESTROOMS.

REVISIONS / DESCRIPTION	DATE	BY
GENERAL UPDATE PER ITR REVIEW	AUG 11, 2017	SES REC
ADDR RELATED CHGS ADA + IE FINAL CONSTRUCTION SUBMITTAL	AUG 31, 2017	SES REC

**ROY E COLBERT**  
ARCHITECTURE  
PLANNING  
DESIGN

1997 E. MAIN STREET  
VENTURA, CA 93001  
805 / 650 9590 PH  
805 / 650 9589 FX  
rcolb@sbcglobal.net

CALIFORNIA C12050  
N.C.A.R.B.

**ISSUED FOR CONSTRUCTION**

**VENTURA COUNTY**  
COMMUNITY COLLEGE  
DISTRICT

VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

**DEPARTMENT OF**  
MAINTENANCE &  
OPERATIONS  
4900 Loma Vista Road  
Ventura, CA 93003

**PROJECT DIRECTORY**

**ELECTRICAL ENGINEER:**  
Lucci & Associates  
3551 Corte Madera #511  
Campbell, CA 95012  
Ken Lucci  
(805) 389-4520 x230 Office

**HVAC MECHANICAL / PLUMB ENGINEER:**  
A/E GROUP  
838 East Front Street  
Ventura, CA 93001  
Hugh McTernan  
Phone 805.653.1722

**FIRE PROTECTION ENGINEER:**  
Jock Collins, F.P.E.  
Collings & Associates LLC  
240 Maple Court, Suite 241  
Ventura, CA 93003  
(805) 658-0003  
jcollings@collingsandassociates.com

**VENTURA COLLEGE**  
MAINTENANCE & OPERATIONS  
INTERIOR TENANT IMPROVEMENT  
BUILDING C

**TYPICAL DISABLED**  
**ACCESS RESTROOM**  
**DETAILS**

10 JULY 2017

AS SHOWN      SES

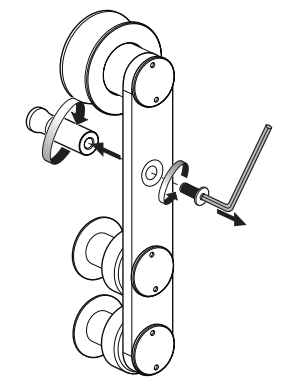
C16- 013      P 0107586

**A-006**

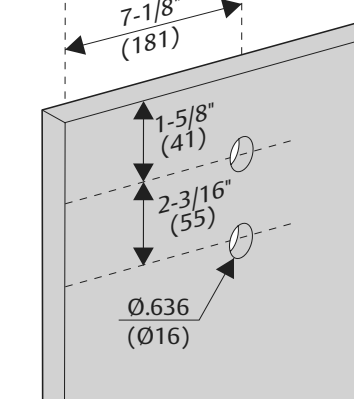
THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS

# PEMCO W100 SERIES - INSTALLATION INSTRUCTIONS

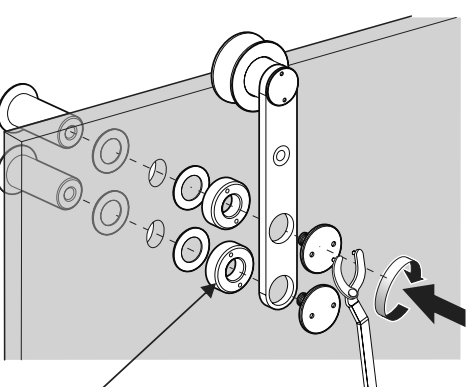
1. Prepare hanger.  
Remove anti-rise pin from hanger using tool provided.



2. Prepare door for hangers.  
Using Template provided, drill holes centered in door thickness for hanger anchors using a 16mm bit.

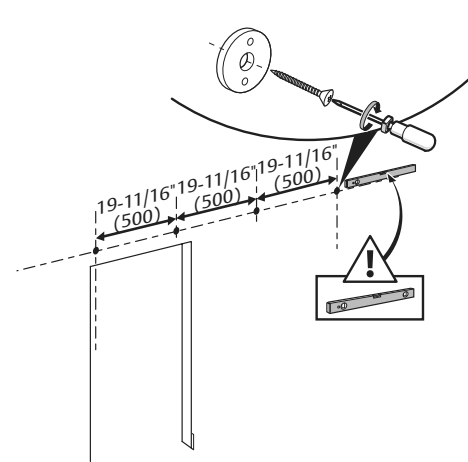


3. Mount hangers to door.



4. Attach brackets.

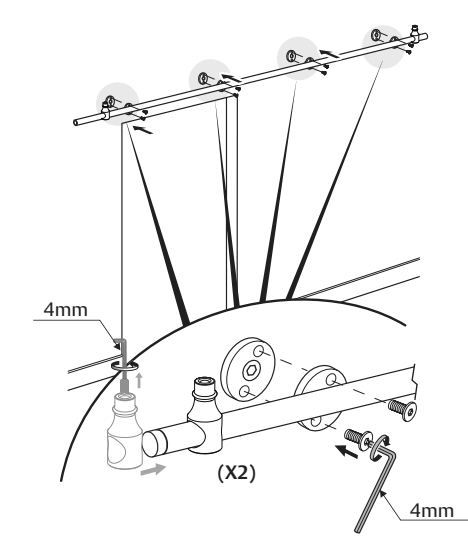
Locate centerline of track as shown on first page. Using a level, mark a horizontal line twice the door width long. Mark bracket screw locations, as shown on first page, into WALL BLOCKING. Attach wall portion of brackets as shown.



If applying track to gypsum board, use 1-1/2" hole saw to remove gypsum board at bracket locations. Use appropriate spacer kit, sold separately, to replace gypsum board removed by 1-1/2" hole saw.

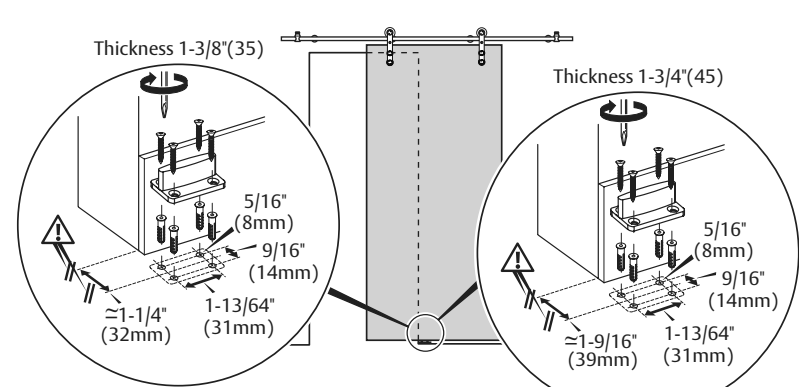
5. Secure track.

Attach track to wall brackets as shown. Insert stops into track ends.



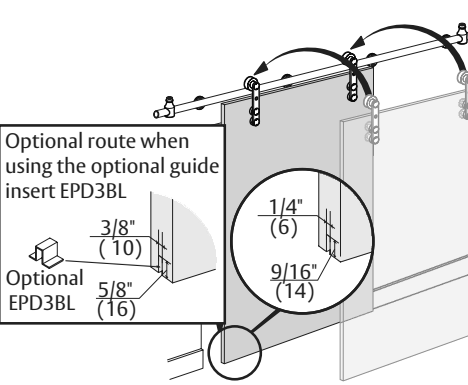
6. Fit door guide to floor.

Mark for position of door guide. Check post fasteners for tightness. Mount door guide to floor with anchors and 5/16" x 3/32 screws.



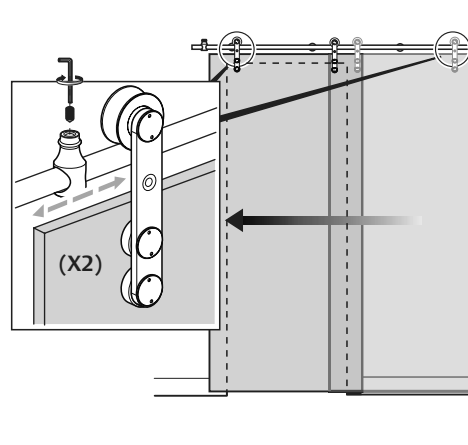
7. Hang door.

Route bottom of door to receive floor mounted guide as shown. Lift door onto track. Make adjustments to hangers so that door is plumb.

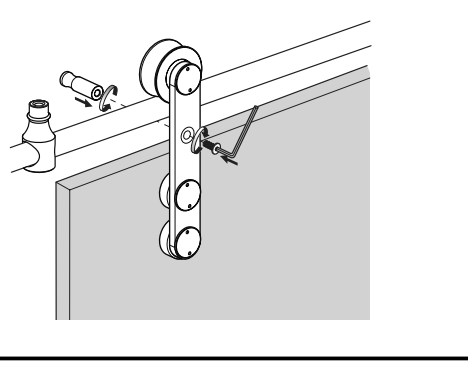


8. Adjust stops.

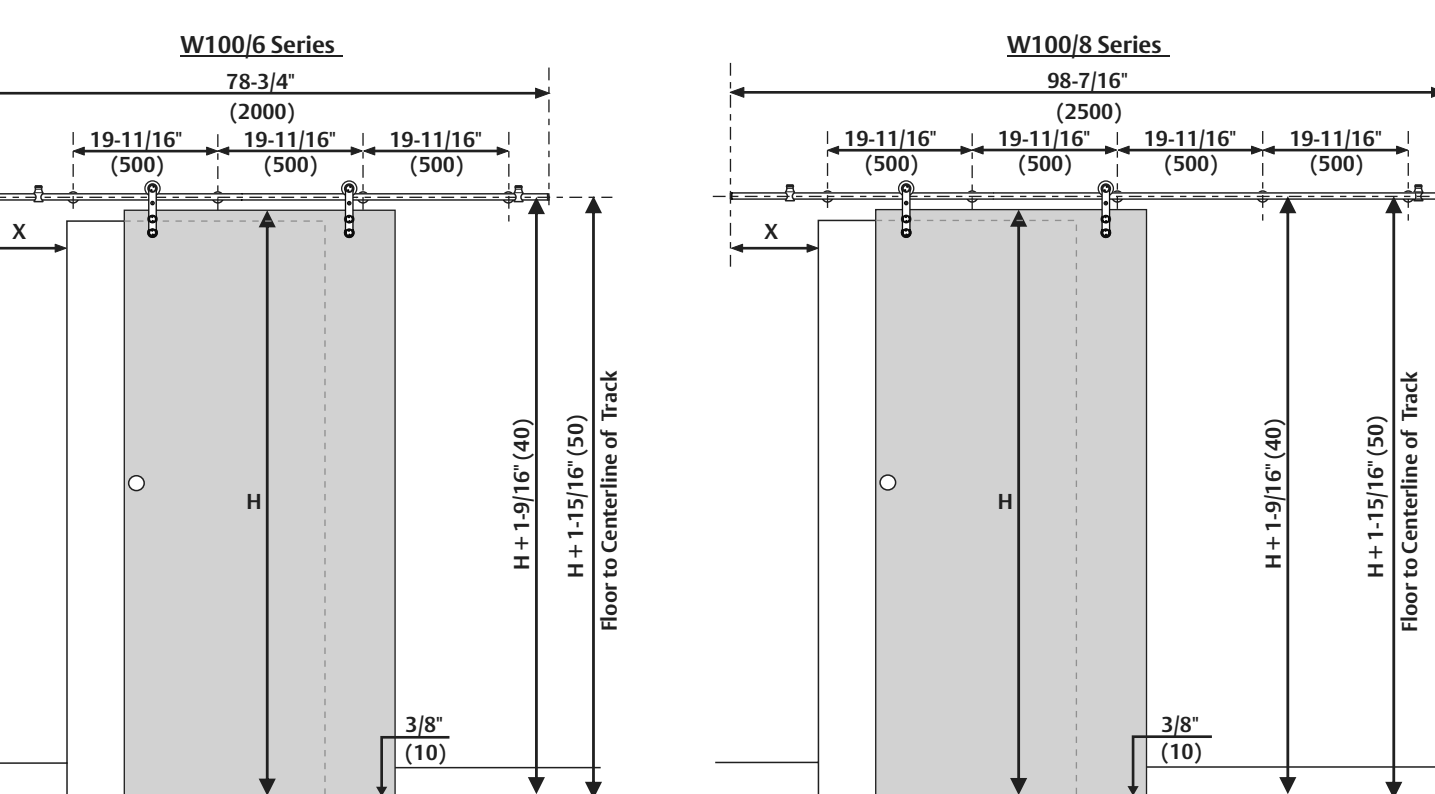
Adjust stops accordingly. Tighten set screw with sufficient force to drive set screw into bar after final adjustment.



9. Re-attach anti-rise pin into hangers.



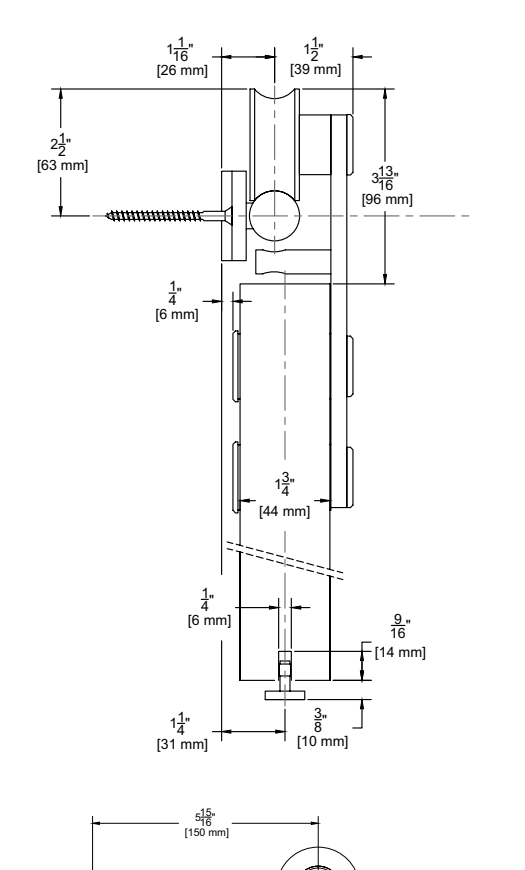
**WARNING: Must be installed into wall blocking.**  
If you have questions about what type of wall blocking is required, consult a structural engineer.



## Stainless Steel Sliding Track Hardware System

### W100 Series for Wood Doors

For Sliding Panels up to 198 lbs.



**Configurations:**  
• Single  
• Bi-parting

**Installations:**  
• Side Wall Mount (only)

**Features:**  
• Made of 304 stainless steel  
• Nylon coated stainless steel wheel for smooth operation  
• 198 lb. panel capacity  
• 5 year warranty

**Finishes:**  
• Brushed Stainless Steel (W100)  
• Black Powder Coated Stainless Steel (W100D)  
• Polished Stainless Steel (W100P)  
• Satin Bronze Powder Coated Stainless Steel (W100BE)

**W80 Kits Include:**

- 1 ea BAR1 Stainless Steel Track
- BRACKET2 Stainless Steel Wall Brackets
- 2 ea 111 Stainless Steel Hangers
- 1 ea 102SS-KIT Stainless Steel Guide
- 2 ea STOP2 Stainless Steel Stops Mounting Hardware

NOTE: If ordering individual parts in the optional Black Powder Coat, Polished Finishes or Satin Bronze be sure to include a profile "D" for Black Powder Coat, "P" for Polished Stainless, or "BE" for Satin Bronze Powder Coat

Part Number	Material	Track Length	Door Width
W1006	304 Stainless Steel	78 1/2"	36"
W1008	304 Stainless Steel	98 1/2"	48"
W1000E	Black Powder Coated Stainless Steel	78 1/2"	36"
W1000B	Black Powder Coated Stainless Steel	98 1/2"	48"
W1000P	304 Polished Stainless Steel	78 1/2"	36"
W1000H	304 Polished Stainless Steel	98 1/2"	48"
W1000BE	Satin Bronze Powder Coated Stainless Steel	78 1/2"	36"
W1000BH	Satin Bronze Powder Coated Stainless Steel	98 1/2"	48"

**Options:** See page 265  
Bottom Channel: 94A, 106R/94  
Roller Guide: 102N  
Mortise Guides: 102N  
Polypropylene Guide Rail: EP03BL For Use With 102N  
5/8" Spacer: BLD-SPACER-58 Pack of 5 5/8" Spacer. Recommended for use with 5/8" Spacer Board When Mounting Track Directly to Gypsum Board  
1/2" Spacer: BLD-SPACER-12 Pack of 5 1/2" Spacer. Recommended for use with 1/2" Gypsum Board When Mounting Track Directly to Gypsum Board  
3/8" Spacer: BLD-SPACER-38 Pack of 5 3/8" Spacer. Recommended for use with 3/8" Gypsum Board When Mounting Track Directly to Gypsum Board

ASSA ABLOY

DOOR TYPES					
TYPE	A	B	C	D	E
VIEW					
DIMS	3'x6'-8"	3'x7'	3'x7'	5'-9"x6'-10" OPENING	5'x7' OPENING
NOTES	@ SHOWER LOCATIONS - FINISH TO BE APPROVED FOR HIGH MOISTURE EXPOSURE	ADD STAINLESS STEEL KICK PLATE TO DOOR STOP SIDE OF DOOR.	STANDARD OFFICE DOOR W/SIDELITE	DOUBLE SLIDING BARN DOOR @ CONFERENCE ROOM. MOUNT USING PEMCO W100 HARDWARE KIT - FRENCH DOORS TO MATCH OFFICE DOORS W/WHITE TRANSLUCENT PRIVACY GLASS MOUNT TO CORRIDOR WALL - SEE SPECS THIS SHEET	DOUBLE DOOR

FINISH SCHEDULE														
REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION														
NUMBER	NAME	STATUS	FLOOR	WALLS				BASE				CEILING	HEIGHT	REMARKS
				NORTH	EAST	SOUTH	WEST	NORTH	EAST	SOUTH	WEST			
000	ENTRY-LOBBY		SINAK - RELAY MICROTOPPING OVR (E) SLAB	ALL WALLS UNLESS NOTED OTHERWISE: PAINT DUNN-EDWARDS DE 4345 "COLD MORNING"				ALL BASE UNLESS NOTED OTHERWISE: PINNACLE RUBBER WALL BASE 4" COVE "SLATE"				ACOUSTIC CEILING TILE	9'	
100	CONFERENCE	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
101	OFFICE - JAY	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
102	OFFICE - MARTIN	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
103	OFFICE - HILDA	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
104	OFFICE	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
105	OFFICE - SUSAN	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
106	OFFICE - JOE	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
107	OFC - VICTOR	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
108	OFFICE - CHECK-IN		SINAK - RELAY MICROTOPPING OVR (E) SLAB	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
109	LUNCH ROOM		SINAK - RELAY MICROTOPPING OVR (E) SLAB	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
110	RECEPTION		SINAK - RELAY MICROTOPPING OVR (E) SLAB	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
111	CORRIDOR	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
112	CORRIDOR	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
113	CORRIDOR	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
114	CORRIDOR		SINAK - RELAY MICROTOPPING OVR (E) SLAB	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
115	WOMEN RR		12"x12" TILE - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	---	---	---	---	GYP. BD TYPE X - PAINTED	9'	
116	MEN RR		12"x12" TILE - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	---	---	---	---	GYP. BD TYPE X - PAINTED	9'	
117	WMN SHWR		12"x12" TILE - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	---	---	---	---	GYP. BD TYPE X - PAINTED	9'	
118	MEN SHWR		12"x12" TILE - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	12"x24" TILE - TO 7FT HIGH - SEE SPECS	---	---	---	---	GYP. BD TYPE X - PAINTED	9'	
119	LOCKER RM		SINAK - RELAY MICROTOPPING OVR (E) SLAB	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	GYP. BD TYPE X - PAINTED	9'	
120	JNTR/UTLTY		SINAK - RELAY MICROTOPPING OVR (E) SLAB	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"			OPEN
121	PPE STORAGE	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
122	STORAGE	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
123	SERVER CLST	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	ACOUSTIC CEILING TILE	9'	
124	STORAGE	CARPET	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	PAINT - DE6365	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	4" COVE "SLATE"	GYP. BD TYPE X - PAINTED	9'	

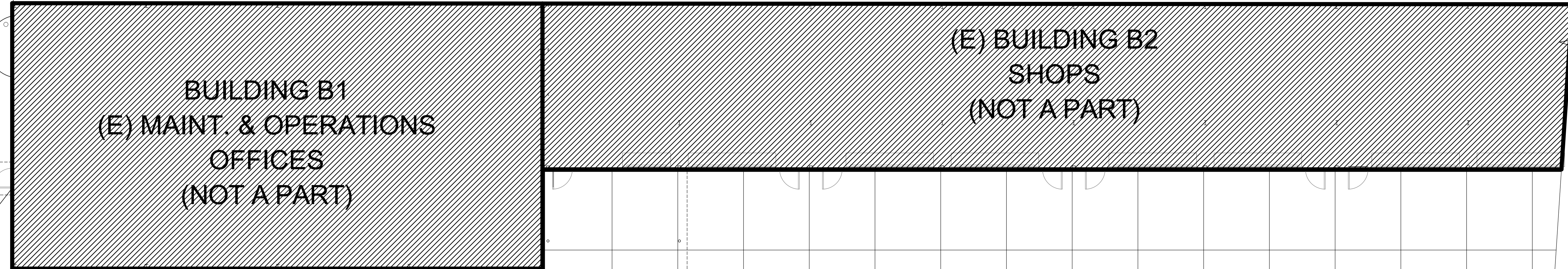
## REFER TO SPECIFICATIONS SECTION 081416 FOR ADDITIONAL INFORMATION ON DOORS

INTERIOR DOOR SCHEDULE - NEW & EXISTING TO REMAIN												
DOOR ID	RENOVATION STATUS	RM #	LOCATION	OPENING W x H Size	FLOOR	QTY	OPERATION	DOOR TYPE	THICKNESS / TYPE	MATERIAL / FINISH	POSITION	NOTES / REMARKS
D01	New	101	OFFICE - JAY	3'x7'	1st FLOOR	1	HINGED	TYPE C	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	STANDARD OFFICE DOOR W/SIDELITE
D02	New	102	OFFICE - MARTIN	3'x7'	1st FLOOR	1	HINGED	TYPE C	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	STANDARD OFFICE DOOR W/SIDELITE
D03	New	103	OFFICE - HILDA	3'x7'	1st FLOOR	1	HINGED	TYPE C	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	STANDARD OFFICE DOOR W/SIDELITE
D04	New	105	OFFICE - SUSAN	3'x7'	1st FLOOR	1	HINGED	TYPE C	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	STANDARD OFFICE DOOR W/SIDELITE
D05	New	107	OFC - VICTOR	3'x7'	1st FLOOR	1	HINGED	TYPE C	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	STANDARD OFFICE DOOR W/SIDELITE
D06	New	104	OFFICE	3'x7'	1st FLOOR	1	HINGED	TYPE C	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	STANDARD OFFICE DOOR W/SIDELITE
D07	New	106	OFFICE - JOE	3'x7'	1st FLOOR	1	HINGED	TYPE C	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	STANDARD OFFICE DOOR W/SIDELITE
D08	New	121	PPE STORAGE	3'x7'	1st FLOOR	1	HINGED	TYPE B	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	STANDARD OFFICE DOOR W/SIDELITE
D10	New	123	SERVER CLST	3'x7'	1st FLOOR	1	HINGED	TYPE B	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	STANDARD OFFICE DOOR W/SIDELITE
D11	New	122	STORAGE	3'x7'	1st FLOOR	1	HINGED	TYPE B	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	STANDARD OFFICE DOOR W/SIDELITE
D12	New	111	CORRIDOR	5'-9" x 6'-10" FIN OPENING (2) DOORS @ 3'-0" x 7'-0"	1st FLOOR	1	DOUBLE BARN DOOR	TYPE D	2 X 1 3/4" H.M. FRENCH DOORS W/ TRANSLUCENT WHITE GLASS	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	DOUBLE SLIDING BARN DOOR @ CONFERENCE ROOM. MOUNT USING PEMCO W100 HARDWARE KIT - FRENCH DOORS TO MATCH OFFICE DOORS W/WHITE TRANSLUCENT PRIVACY GLASS MOUNT TO CORRIDOR WALL - SEE SPECS THIS SHEET
D13	New	120	JNTR/UTLTY	3'x7'	1st FLOOR	1	HINGED	TYPE B	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	ADD STAINLESS STEEL KICK PLATE TO DOOR STOP SIDE OF DOOR.
D14	New	118	MEN SHWR	3'x6'-8"	1st FLOOR	1	HINGED	TYPE A	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	@ SHOWER LOCATIONS - FINISH TO BE APPROVED FOR HIGH MOISTURE EXPOSURE
D15	New	117	WMN SHWR	3'x6'-8"	1st FLOOR	1	HINGED	TYPE A	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	STANDARD OFFICE DOOR W/SIDELITE
D16	New	112	CORRIDOR	5'x7' (2) 2'-6" x 7'-0"	1st FLOOR	1	DBL DR-HINGED	TYPE E	1 3/4" / HOLLOW METAL (H.M.) DR & FRAMES	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	DOUBLE DOOR
ED-1 (EXISTING)	Existing	112	CORRIDOR @ EXTERIOR ENTRY	3'x7'	1st FLOOR	1	HINGED	EXISTING	EXISTING	EXISTING / PAINT INT. DE795 "GRAY PEARL"	Exterior	INSTALL NEW EXTERIOR CORROSION RESISTANT DOOR HANDLES - SUBMIT SAMPLE FOR REVIEW
ED-2 (EXISTING)	Existing	000	ENTRY-LOBBY @ EXTERIOR ENTRY	6'x7'	1st FLOOR	1	DBL DR-HINGED	EXISTING	EXISTING	EXISTING / PAINT INT. DE795 "GRAY PEARL"	Exterior	INSTALL NEW EXTERIOR CORROSION RESISTANT DOOR HANDLES - SUBMIT SAMPLE
ED-3 (EXISTING)	Existing	109	LUNCH ROOM @ EXTERIOR ENTRY	6'x7'	1st FLOOR	1	DBL DR - HINGED	EXISTING	EXISTING	EXISTING / PAINT INT. DE795 "GRAY PEARL"	Exterior	INSTALL NEW EXTERIOR CORROSION RESISTANT DOOR HANDLES - SUBMIT SAMPLE
ED-4 (EXISTING)	Existing	124	STORAGE	3'x7'	1st FLOOR	1	HINGED	EXISTING	EXISTING	H.M. / PAINT DE795 "GRAY PEARL"	Interior	PAINT TO MATCH OTHER NEW INTERIOR DOORS
ED-5 (EXISTING)	Existing	115	WOMEN RR	3'x7'	1st FLOOR	1	HINGED	EXISTING	EXISTING	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	PAINT TO MATCH OTHER NEW INTERIOR DOORS
ED-6 (EXISTING)	Existing	116	MEN RR	3'x7'	1st FLOOR	1	HINGED	EXISTING	EXISTING	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	PAINT TO MATCH OTHER NEW INTERIOR DOORS
ED-7 (EXISTING)	Existing	119	LOCKER RM	3'x7'	1st FLOOR	1	HINGED	EXISTING	EXISTING	H.M. / PAINTED DE795 "GRAY PEARL"	Interior	PAINT TO MATCH OTHER NEW INTERIOR DOORS

ED = EXISTING DOOR

REVISIONS / DESCRIPTION	DATE	BY
GENERAL UPDATE PER JIM REVIEW	AUG 11, 2017	SES REC
ADDR RELATED DIMS ADA + IE FINAL CONSTRUCTION SUBMITTL	AUG 31, 2017	SES REC

LOMA VISTA ROAD



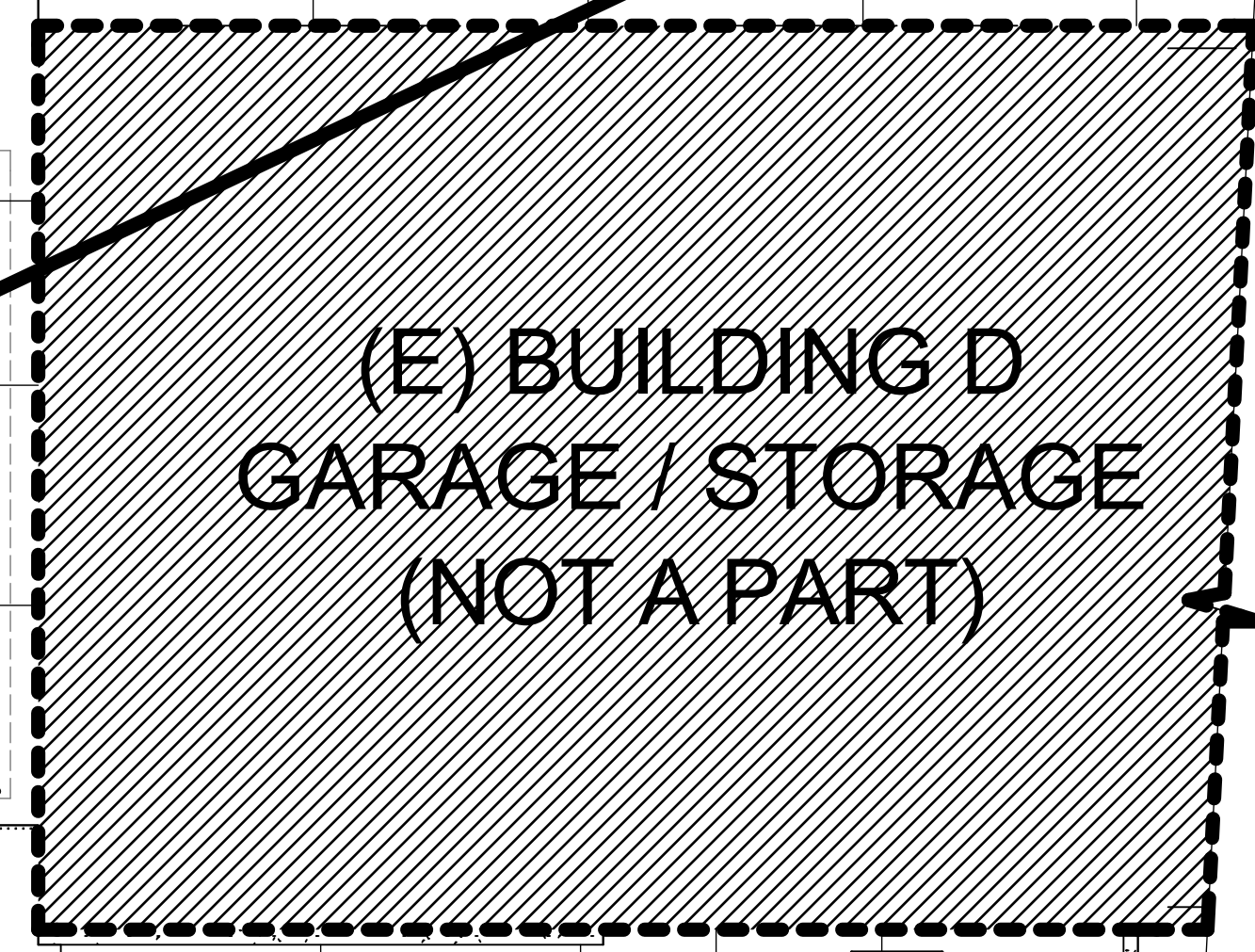
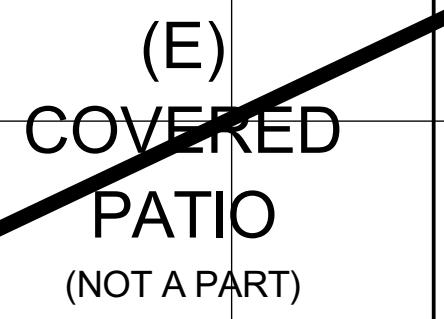
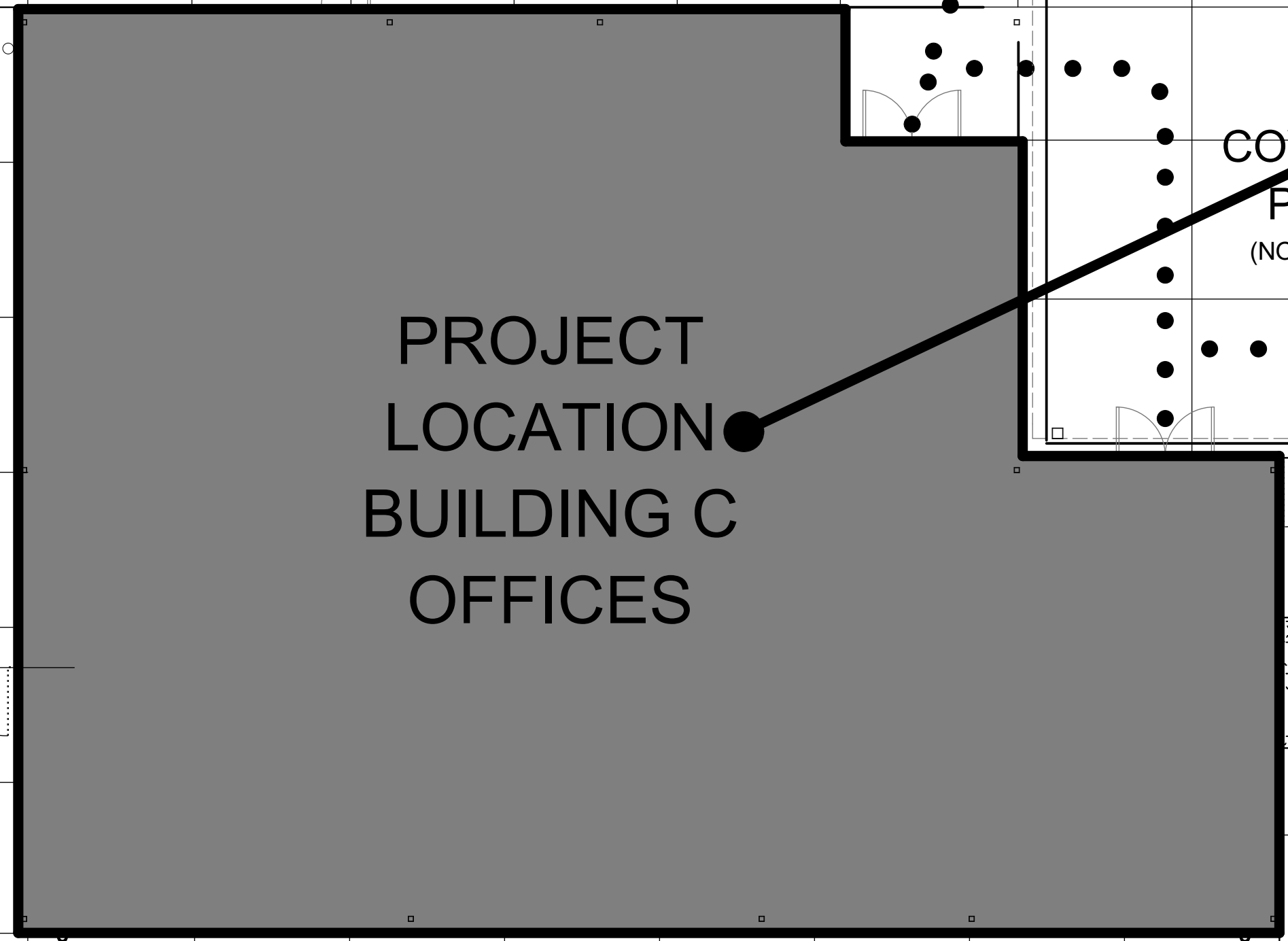
SERVICE DRIVE

SERVICE DRIVE

MAX RAMP SLOPE: 1:12 OR 8.3%  
 VAN SPACE SHALL BE 144" (12')  
 WIDE WITH 60" (5) ACCESS AISLE.  
 ALTERNATIVE OPTION: VAN SPACE  
 SHALL BE 108" (9') WIDE WITH 96"  
 (8) ACCESS AISLE.



**PROJECT LOCATION:  
 TENANT IMPROVEMENT WORK  
 LOCATED IN BUILDING C -  
 NO EXTERIOR WORK IS PART  
 OF THIS PROJECT**

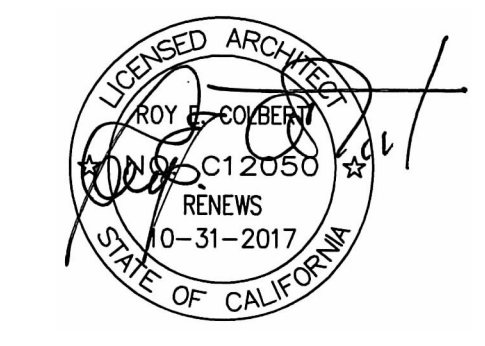


1 SITE PLAN  
 SCALE: 1/8" = 1'-0"



SITE PLAN NOTES			
REVISIONS / DESCRIPTION	DATE	BY	SES
GENERAL UPDATE PER JMR REVIEW	AUG 11, 2017		SES
ADD RELATED DWGS ADA + IE FINAL CONSTRUCTION SUBMITTAL	AUG 31, 2017		SES
A. ALL ACCESSIBLE STALL LOADING AREA TO MAINTAIN MAX RUNNING AND CROSS SLOPE OF 2%.			
B. ALL CURB RAMP TO BE MAX 1:12 OR OF 8.33% SLOPE.			
C. ALL EXISTING PATH OF TRAVEL AREA IS LESS THAN 5% SLOPE.			
D. CONTRACTOR TO VERIFY RAMP IS COMPLIANT WITH THE 2016 CBC AS ARE ALL HANDRAILS FOR RAMP AND STAIRS.			
E. NOT USED			
F. FOR ADDITIONAL GENERAL NOTES, LEGENDS, AND SCHEDULES, REFER TO A-001 THROUGH A-006.			
G. AREAS NOT MARKED OR HIGHLIGHTED OR CALLED OUT PER LEGEND ARE NOT IN CONTRACT ON THIS SHEET, TYPICAL.			
H. GC TO PROVIDE DUST PROTECTION THROUGHOUT DEMOLITION AND CONSTRUCTION.			
I. ARCHITECT HAS CONDUCTED NO TEST FOR, AND MADE NO DETERMINATION OF, THE PRESENCE OR LACK OF ASBESTOS OR OTHER HAZARDOUS OR TOXIC SUBSTANCES.			
J. ALL WORK SHOWN REFLECTS AS-BUILT MEASUREMENTS. HOWEVER, ANY NEW MODIFICATIONS TO THE BLDG SHALL REQUIRE FIELD VERIFICATION OF ALL DIMENSIONS SHOWN ON THIS PLAN PRIOR TO COMMENCING WORK.			

**ROY E COLBERT**  
 ARCHITECTURE  
 PLANNING  
 DESIGN  
 1997 E. MAIN STREET  
 VENTURA, CA 93001  
 805 / 650 9590 PH  
 805 / 650 9589 FX  
 roeb@rsbglobal.net  
 CALIFORNIA C12050  
 N.C.A.R.B.



VENTURA COUNTY  
 COMMUNITY COLLEGE  
 DISTRICT  
 VENTURA COLLEGE  
 4667 Telegraph Road  
 Ventura, CA 93003

DEPARTMENT OF  
 MAINTENANCE &  
 OPERATIONS  
 4900 Loma Vista Road  
 Ventura, CA 93003

**PROJECT DIRECTORY**  
**ELECTRICAL ENGINEERING:**  
 Lucci & Associates  
 3251 Corte Molisano #511  
 Camarillo, CA 93012  
 Ken Lucci  
 (805) 389-6520 x230 Office  
**HVAC MECHANICAL / PLUMB ENGINEER:**  
 AVE GROUP  
 838 East Front Street  
 Ventura, CA 93001  
 Hugh McTernan  
 Phone 805.653.1722  
**FIRE PROTECTION ENGINEER:**  
 Jack Collings, F.P.E.  
 Collings & Associates LLC  
 240 Maple Court, Suite 241  
 Ventura, CA 93003  
 (805) 658-0003  
 jcollings@collingsandassociates.com

VENTURA COLLEGE  
 MAINTENANCE & OPERATIONS  
 INTERIOR TENANT IMPROVEMENT  
 BUILDING C

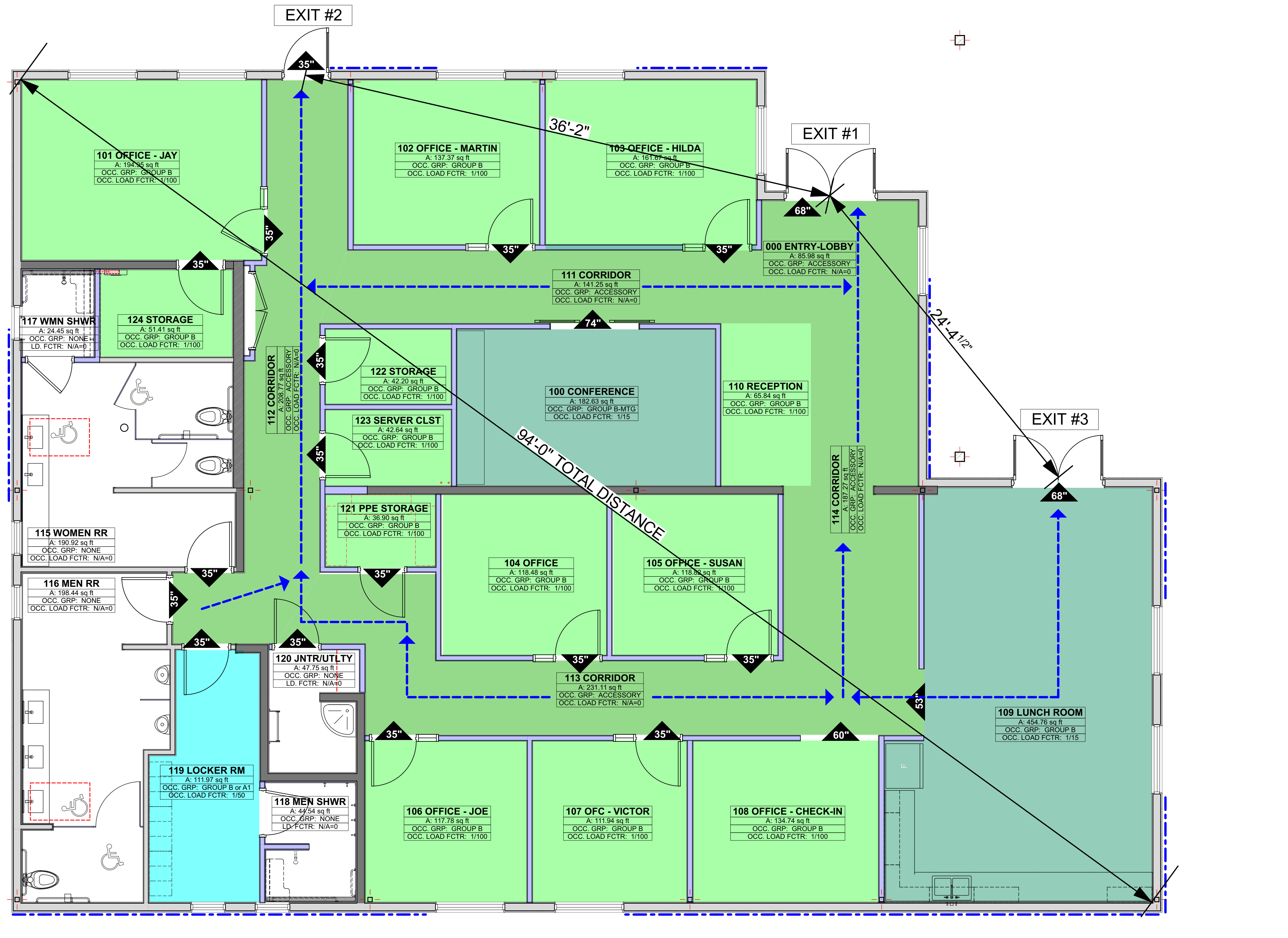
**SITE PLAN W/  
 EXISTING  
 CONDITIONS**

SHEET NAME  
 10 JULY 2017  
 DATE  
 AS SHOWN SES  
 SCALE: DRAWN BY:  
 C16- 013 P 0107586  
 ARCHITECT PROJECT # VCCCD PROJECT #  
**A-101**  
 SHEET NUMBER OF SHEETS

ISSUED FOR CONSTRUCTION



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



RM #	ROOM NAME	OCCUPANCY GROUP DESIGNATION	OCCUPANCY USE	AREA (s.f.)
000	ENTRY-LOBBY	CIRCULATION	HALL / EXIT CORRIDOR	85.98
100	CONFERENCE	OCC GRP B-Mtg	BUSINESS / CONFERENCE	182.63
101	OFFICE - JAY	OCC GRP B	BUSINESS/OFFICE	194.95
102	OFFICE - MARTIN	OCC GRP B	BUSINESS/OFFICE	137.37
103	OFFICE - HILDA	OCC GRP B	BUSINESS/OFFICE	161.67
104	OFFICE	OCC GRP B	BUSINESS/OFFICE	118.48
105	OFFICE - SUSAN	OCC GRP B	BUSINESS/OFFICE	118.82
106	OFFICE - JOE	OCC GRP B	BUSINESS/OFFICE	117.78
107	OFC - VICTOR	OCC GRP B	BUSINESS/OFFICE	111.94
108	OFFICE - CHECK-IN	OCC GRP B	BUSINESS/OFFICE	134.74
109	LUNCH ROOM	OCC GRP B-Mtg	BUSINESS / CONFERENCE	454.76
110	RECEPTION	OCC GRP B	BUSINESS/OFFICE	65.84
111	CORRIDOR	CIRCULATION	HALL / EXIT CORRIDOR	141.25
112	CORRIDOR	CIRCULATION	HALL / EXIT CORRIDOR	208.77
113	CORRIDOR	CIRCULATION	HALL / EXIT CORRIDOR	231.11
114	CORRIDOR	CIRCULATION	HALL / EXIT CORRIDOR	187.27
115	WOMEN RR	(none)	NO OCC. GROUP	190.92
116	MEN RR	(none)	NO OCC. GROUP	198.44
117	WMN SHWR	(none)	NO OCC. GROUP	24.45
118	MEN SHWR	(none)	NO OCC. GROUP	44.54
119	LOCKER RM	OCC GRP B-LkrRm	BUSINESS/LOCKER ROOM	111.97
120	JNTR/UTLTY	(none)	NO OCC. GROUP	47.75
121	PPE STORAGE	OCC GRP B	BUSINESS/OFFICE	36.90
122	STORAGE	OCC GRP B	BUSINESS/OFFICE	42.20
123	SERVER CLST	OCC GRP B	BUSINESS/OFFICE	42.64
124	STORAGE	OCC GRP B	BUSINESS/OFFICE	51.41

RM #	ROOM NAME	OCCUPANCY GROUP DESIGNATION	OCCUPANCY USE	AREA (s.f.)	LOAD FACTOR
000	ENTRY-LOBBY	CIRCULATION	HALL / EXIT CORRIDOR	85.98	
111	CORRIDOR	CIRCULATION	HALL / EXIT CORRIDOR	141.25	
112	CORRIDOR	CIRCULATION	HALL / EXIT CORRIDOR	208.77	
113	CORRIDOR	CIRCULATION	HALL / EXIT CORRIDOR	231.11	
114	CORRIDOR	CIRCULATION	HALL / EXIT CORRIDOR	187.27	
					854.38 sq ft

RM #	ROOM NAME	OCCUPANCY GROUP DESIGNATION	OCCUPANCY USE	AREA (s.f.)	LOAD FACTOR
115	WOMEN RR	(none)	NO OCC. GROUP	190.92	
116	MEN RR	(none)	NO OCC. GROUP	198.44	
117	WMN SHWR	(none)	NO OCC. GROUP	24.45	
118	MEN SHWR	(none)	NO OCC. GROUP	44.54	
120	JNTR/UTLTY	(none)	NO OCC. GROUP	47.75	
					506.10 sq ft

RM #	ROOM NAME	OCCUPANCY GROUP DESIGNATION	OCCUPANCY USE	AREA (s.f.)	LOAD FACTOR	OCC LOAD
100	CONFERENCE	OCC GRP B-Mtg	BUSINESS / CONFERENCE	182.63	15	12
109	LUNCH ROOM	OCC GRP B-Mtg	BUSINESS / CONFERENCE	454.76	15	30
					637.39 sq ft	42

RM #	ROOM NAME	OCCUPANCY GROUP DESIGNATION	OCCUPANCY USE	AREA (s.f.)	LOAD FACTOR	OCC LOAD
101	OFFICE - JAY	OCC GRP B	BUSINESS/OFFICE	194.95	100	2
102	OFFICE - MARTIN	OCC GRP B	BUSINESS/OFFICE	137.37	100	1
103	OFFICE - HILDA	OCC GRP B	BUSINESS/OFFICE	161.67	100	2
104	OFFICE	OCC GRP B	BUSINESS/OFFICE	118.48	100	1
105	OFFICE - SUSAN	OCC GRP B	BUSINESS/OFFICE	118.82	100	1
106	OFFICE - JOE	OCC GRP B	BUSINESS/OFFICE	117.78	100	1
107	OFC - VICTOR	OCC GRP B	BUSINESS/OFFICE	111.94	100	1
108	OFFICE - CHECK-IN	OCC GRP B	BUSINESS/OFFICE	134.74	100	1
110	RECEPTION	OCC GRP B	BUSINESS/OFFICE	65.84	100	1
121	PPE STORAGE	OCC GRP B	BUSINESS/OFFICE	36.90	100	1
122	STORAGE	OCC GRP B	BUSINESS/OFFICE	42.20	100	1
123	SERVER CLST	OCC GRP B	BUSINESS/OFFICE	42.64	100	1
124	STORAGE	OCC GRP B	BUSINESS/OFFICE	51.41	100	1
					1,334.74 sq ft	15

**TOTAL OCCUPANCY LOAD: 57**

OCCUPANT LOAD CALCULATIONS		
BREAKDOWN OF OCCUPANT LOAD: PER CBC SEC. 1004.1.1		
TOTAL POSSIBLE OCCUPANTS (SEE CALCULATIONS THIS SHEET)	1 <sup>st</sup> FLR:	57
	2 <sup>nd</sup> FLR:	n/g

CODE	CODE REQUIREMENTS (based on sprinklered bldg.)	First Floor		Second Floor	
		2 IN/ PERSON	2 IN/ PERSON	2 IN/ PERSON	2 IN/ PERSON
SEC 1005.1	EGRESS WIDTH/ PERSON SERVED	2 IN/ PERSON	2 IN/ PERSON	N/A	N/A
SEC 1005.1	EGRESS WIDTH REQUIRED	57 x 2 = 114" (44' MIN)	N/A	N/A	N/A
	EGRESS WIDTH PROVIDED	15'-0"	N/A	N/A	N/A
SEC 1021.1	NUMBER OF EXITS REQUIRED	2	N/A	N/A	N/A
	NUMBER OF EXITS PROVIDED	3	N/A	N/A	N/A
SEC 1015.2	BUILDING DIAGONAL	94'-0" (1/2-47)	N/A	N/A	N/A
SEC 1015.2.1 (N/A)	DISTANCE BETWEEN EXITS	36'-2" < 1/2 OF DIAGONAL	N/A	N/A	N/A
SEC 1016.1	MAXIMUM TRAVEL DISTANCE UNTIL 2 EGRESS ROUTE OPTIONS	0 < 200'-0"	N/A	N/A	N/A
SEC 1014.3	COMMON PATH OF EGRESS TRAVEL MAX. DISTANCE	100'-0"	N/A	N/A	N/A
	DISTANCE PROVIDED	< 100'-0"	N/A	N/A	N/A

- EGRESS NOTES**
- A AFTER BUILDING IS OCCUPIED, ANY CHANGE IN USE OR OCCUPANCY WHICH CAUSES AN INCREASE IN OCCUPANT LOAD SHALL COMPLY WITH ALL OF THE REQUIREMENTS FOR THE INCREASED LOAD.
  - B EXIT SIGNS ILLUMINATED BY AN EXTERNAL SOURCE SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FOOT CANDLES (54 LUX).
  - C INTERNALLY ILLUMINATED SIGNS SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH CBC SECTION 2702.
  - D EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES.
  - E EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM THAT WILL PROVIDE AN ILLUMINATION OF NOT LESS THAN 90 MIN. IN CASE OF PRIMARY POWER LOSS (1011.2-1011.5.3).
  - F EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. SEE 1008.1.3.3 FOR EXCEPTIONS.
  - G ANY NEW DOOR HANDLES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT A MIN. 34" AND A MAX. 48" ABOVE THE FINISHED FLOOR.
  - H SIGNAGE STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" SHALL BE PLACED AT MAIN ENTRANCE TO INTERIOR OF OFFICE BUILDING.
  - I ALL EGRESS DOORS OPERATION SHALL ALSO COMPLY WITH CBC SECTION 1008.1.5-1008.1.8.6.
  - J THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES WHILE THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.
  - K THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT CANDLE AT THE WALKING SURFACE.
  - L THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES ELECTRICAL SUPPLY. IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE FOLLOWING AREAS:
    - i AISLES AND UNENCLOSED EGRESS STAIRWAYS IN ROOMS AND SPACES THAT REQUIRED TWO OR MORE MEANS OF EGRESS;
    - ii CORRIDORS, EXIT ENCLOSURES AND EXIT PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS;
    - iii EXTERIOR EGRESS COMPONENTS AT OTHER THAN THE LEVEL OF EXIT DISCHARGE UNTIL EXIT DISCHARGE IS ACCOMPLISHED FOR BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS;
    - iv INTERIOR EXIT DISCHARGE ELEMENTS, AS PERMITTED IN SECTION 1024.1, IN BUILDINGS WHICH REQUIRE TWO OR MORE EXITS;
    - v EXTERIOR LANDINGS, AS REQUIRED BY SECTION 1008.1.5, FOR EXIT DISCHARGE DOORWAYS IN BUILDINGS WHICH REQUIRE TWO OR MORE EXITS.
  - M ALTHOUGH NOT REQUIRED, THE OWNER MAY CHOOSE TO PROVIDE THE BUILDING WITH AN EMERGENCY POWER SYSTEM. IF AN EMERGENCY POWER SYSTEM IS INSTALLED, THE FOLLOWINGS SHALL APPLY: THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON-SITE GENERATOR; THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH SECTION 2707.
  - N EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT CANDLE (1 LUX) AND A MINIMUM AT ANY POINT OF 0.1 FOOT CANDLE (1 LUX) MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE TO 0.6 FOOT CANDLES (6 LUX) AVERAGE AND A MINIMUM AT ANY POINT OF 0.6 FOOT CANDLES (0.6 LUX) AT THE END OF THE EMERGENCY LIGHTING TIME DURATION. A MAXIMUM-TO-MINIMUM ILLUMINATION UNIFORMITY RATION OF 40 TO 1 SHALL NOT BE EXCEEDED.

**LEGEND**

- NEW WALL
- EXISTING WALL TO REMAIN
- LENGTH IN X'-X" OF EXISTING SHEAR (7/16" RATED SHEATHING)
- SHOWN PER EXISTING STRUCTURAL PLANS
- ACCESSORY SPACE - NO LOAD (CLEAR OR WHITE ON PLAN)
- DEMO AREA - SLAB
- GROUP B: BUSINESS OFFICE @ 100 gross OCC LOAD FACTOR
- GROUP B: BUSINESS OFFICE @ 15 gross LUNCH RM/CONFERENCE
- GROUP B: BUSINESS OFFICE @ 50 gross LOCKER ROOM
- GROUP S-1: WAREHOUSE / STORAGE @ 500 gross OCC LOAD FACTOR
- CIRCULATION - EXIT CORRIDOR

REVISIONS / DESCRIPTION	DATE	BY
GENERAL UPDATE PER JMR REVIEW	AUG 11, 2017	SES REC
ADDR RELATED DWGS ADA + IE FINAL CONSTRUCTION SUBMITTAL	AUG 31, 2017	SES REC

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
ALL RIGHTS RESERVED  
THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS, REVISIONS FROM THAT DATA, BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS, AND THE INCORPORATED DATA, IDEAS, AND DESIGNS, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
ARCHITECTURE  
PLANNING  
DESIGN  
1997 E. MAIN STREET  
VENTURA, CA 93001  
805 / 650 9500 PH  
805 / 650 9589 FX  
rcob@sbjglobal.net  
CALIFORNIA C12050  
N.C.A.R.B.

**VENTURA COUNTY COMMUNITY COLLEGE DISTRICT**  
VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

**DEPARTMENT OF MAINTENANCE & OPERATIONS**  
4900 Loma Vista Road  
Ventura, CA 93003

**PROJECT DIRECTORY**  
ELECTRICAL ENGINEERING:  
Lucci & Associates  
3551 Corbin Highway #511  
Camarillo, CA 93012  
Ken Lucci  
(805) 389-6520 x230 Office

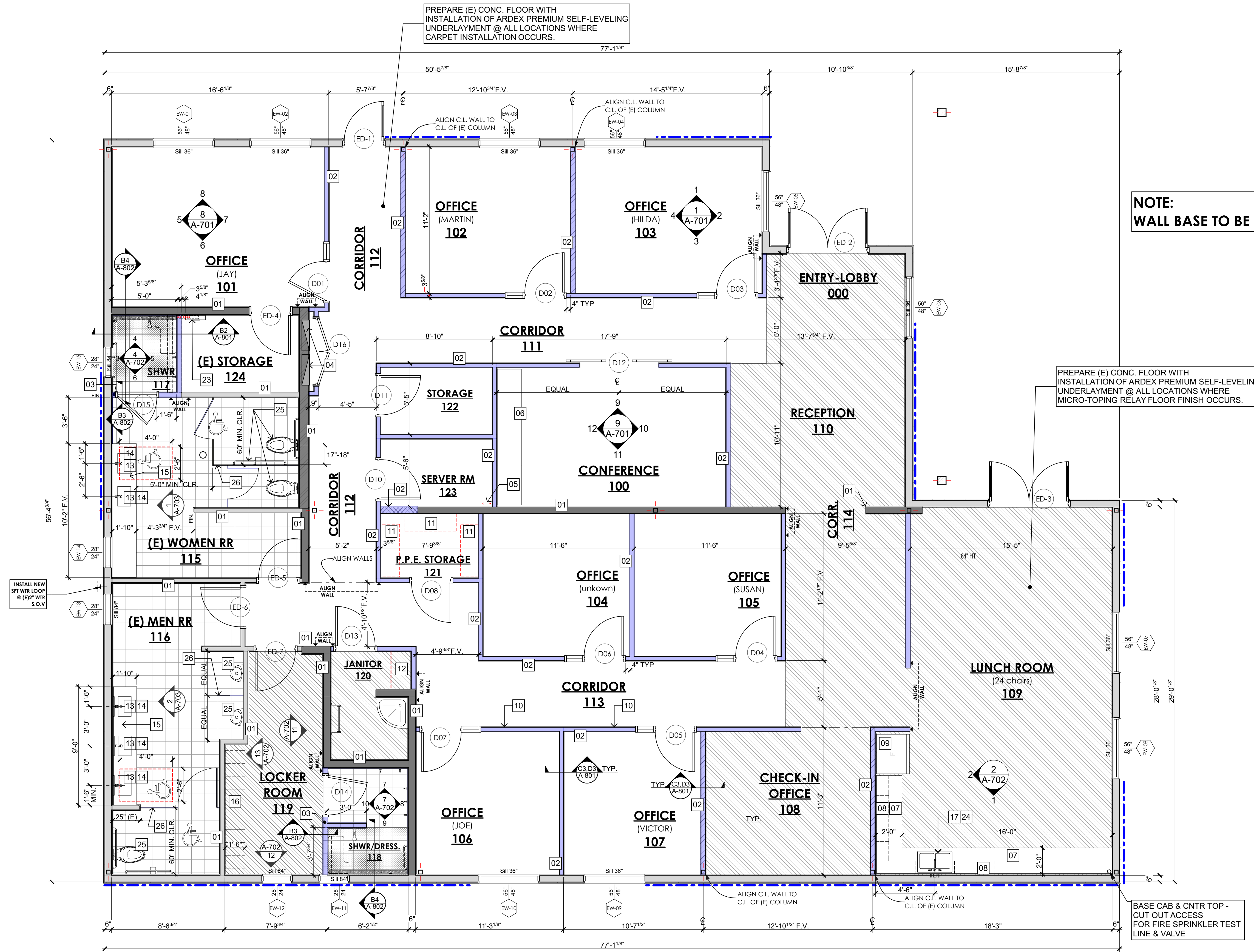
HVAC MECHANICAL / PLUMB ENGINEER:  
AVC GROUP  
838 East Front Street  
Ventura, CA 93001  
Hugh McTernan  
Phone 805.653.1722

**FIRE PROTECTION ENGINEER:**  
Jock Collins, P.E.  
Collings & Associates LLC  
260 Maple Court, Suite 241  
Ventura, CA 93003  
(805) 658-0003  
jcollings@collingsandassociates.com

**VENTURA COLLEGE MAINTENANCE & OPERATIONS INTERIOR TENANT IMPROVEMENT BUILDING C**

**EGRESS PLAN & OCCUPANCY LOAD**  
SHEET NAME  
**10 JULY 2017**  
DATE: **10 JULY 2017**  
AS SHOWN SES  
SCALE: DRAWN BY:  
**C16- 013 P 0107586**  
ARCHITECT PROJECT #: VCCDC PROJECT #:  
**A-200**  
SHEET NUMBER: OF SHEETS





**NOTE:**  
WALL BASE TO BE CUT FROM ROLL

PREPARE (E) CONC. FLOOR WITH INSTALLATION OF ARDEX PREMIUM SELF-LEVELING UNDERLAYMENT @ ALL LOCATIONS WHERE MICRO-TOPPING RELAY FLOOR FINISH OCCURS.

PREPARE (E) CONC. FLOOR WITH INSTALLATION OF ARDEX PREMIUM SELF-LEVELING UNDERLAYMENT @ ALL LOCATIONS WHERE CARPET INSTALLATION OCCURS.

**1 FLOOR PLAN - NEW INTERIOR LAYOUT**  
SCALE: 1/4" = 1'-0"

**FLOOR PLAN NOTES**

- A. ALL NEW PARTITIONS TO BE METAL STUD FRAMING U.N.C. (ICC-ESR-2374) SEE CONNECTION DETAILS SHEET A-801 FOR MORE INFORMATION.
- B. ALL INTERIOR METAL STUDS MUST BE LISTED BY AN APPROVED TESTING AND LISTING AGENCY (ICC/CBO etc.) AND THEY MUST BE INSTALLED PER THE LISTINGS AND MANUFACTURERS INSTALLATION INSTRUCTIONS.
- C. PROVIDE BLOCKING AND BACKING AT 2'-0" AFF AND 8'-0" AFF IN INTERIOR PARTITIONS FOR ALL CASEWORK, EQUIPMENT, AND FUTURE ACCESSORIES.
- D. ALL PARTITIONS SHALL BE PAINTED AND RECEIVE 4" VINYL TOPSET BASE UNLESS OTHERWISE NOTED.
- E. FOR ADDITIONAL GENERAL NOTES, LEGENDS, AND SCHEDULES, REFER TO SHEETS A-001 THROUGH A-006
- F. ADA COMPLIANCE: CONTRACTOR TO VERIFY THAT THE EXISTING MULTIPLE STALL RESTROOMS ARE COMPLIANT WITH THE 2016 CBC CHAPTER 11B AND HAVE A DISABLED STALL CLEAR WIDTH AND A 9 INCH TOE SPACE BETWEEN PARTITION WALLS.
- G. AREAS NOT MARKED OR HIGHLIGHTED OR CALLED OUT PER LEGEND ARE NOT IN CONTRACT ON THIS SHEET.
- H. GC TO PROVIDE DUST PROTECTION THROUGHOUT DEMOLITION AND CONSTRUCTION.
- I. CONTRACTOR TO VERIFY ALL NEW WORK IS COMPLIANT WITH THE 2016 CBC AS ARE ALL RAMPS & HANDRAILS FOR RAMP AND STAIRS AS APPLICABLE TO PROJECT SCOPE.
- J. ALL WORK SHOWN REFLECTS AS-BUILT MEASUREMENTS, HOWEVER, ANY NEW MODIFICATIONS SHALL REQUIRE FIELD VERIFICATION OF ALL DIMENSIONS SHOWN ON THIS PLAN PRIOR TO COMMENCING WORK.
- K. ALL DIMENSIONS ARE TO THE FACE OF METAL STUD UNLESS U.N.C.

**KEY NOTES**

- 01 (E) PARTITION WALL PER WALL LEGEND - PROVIDE R-13 FIBERGLASS BATT SOUND INSULATION
- 02 NEW PARTITION WALL TO 10 FEET IN HEIGHT PER WALL SCHEDULE - PROVIDE R-13 FIBERGLASS BATT SOUND INSULATION
- 03 NEW PARTITION WALL TO 7 FEET IN HEIGHT PER WALL SCHEDULE @ SHOWER SEE SHEET A-801 FOR TYPICAL CONNECTION DETAILS.
- 04 ELECTRICAL SUB PANEL BOXES TO REMAIN - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
- 05 EXISTING LAN (NETWORK) CONDUIT TO REMAIN - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 06 NEW BUILT-IN CABINETS @ CONFERENCE RM - SEE INTERIOR ELEVATIONS.
- 07 NEW BASE CABINETS & COUNTER TOP - COUNTER TOP TO BE SOLID SURFACE BY DUPONT - CORIAN "LAVA ROCK" PER SPECIFICATIONS - SEE INTERIOR ELEVATIONS
- 08 NEW UPPER WALL CABINETS - SEE INTERIOR ELEVATIONS
- 09 FULL SIZE REFRIGERATOR LOCATION - NEW REFRIGERATOR BY OWNER
- 10 LOCATION FOR IDEA PAINT PRO DRY-ERASE COATING - APPLY PER SPECS, DISCUSS W/ ARCHITECT PRIOR TO APPLICATION FOR DELINEATION OF AREA TO BE COATED.
- 11 METAL SHELVING FOR SAFETY GEAR STORAGE - 48"x16"x7" HEIGHT UNITS. BY OWNER
- 12 CUSTOM FIT SHELVING BY OWNER
- 13 KOHLER TAHOE LAVATORY #K-2890-4U (WHITE) UNDERCOUNTER MOUNT - SEE DETAIL D4/A-802 SEE PLUMBING PLANS
- 14 CHICAGO FAUCET #116.211.AB.1 (ELECTRONIC)
- 15 COUNTER TOP: SOLID SURFACE BY DUPONT - CORIAN "LAVA ROCK" PER SPECIFICATIONS @ 3/4" PLYWOOD SEE DETAIL D4/A-802
- 16 LOCKERS BY OWNER
- 17 ELKAY CROSSTOWN 16 GAUGE STAINLESS STEEL 30-3/4" x 18-1/2" x 8". EQUAL DOUBLE BOWL UNDERMOUNT SINK KIT - EFRU3118D8G
- 18 CONFERENCE ROOM 65'-90" NETWORK MONITOR/SMART TV BY OWNER - TO BE WIRED FOR INTERNET AND COMMUNICATION W/ VIDEO CONFERENCE CAPABILITIES. SEE D4/8.01 FOR BACKING DETAILS.
- 19 42" NETWORK CAPABLE MONITOR - INSTALL ON WALL @ 66" HIGH U.N.C. - SEE D4/8.01 FOR BACKING DETAILS.
- 20 VERTICAL FILE CABINETS - 64" TALL - BY OWNER
- 21 UPPER WALL MOUNT ABOVE WORKSTATION HUTCH STORAGE CABINETS BY OWNER.
- 22 28" TALL LATERAL FILE CABINET STORAGE UNITS BY OWNER.
- 23 FIRE ALARM CONTROL BOX TO REMAIN - SEE DEMO PLANS & DETAIL B2/A-801
- 24 Chicago Faucets: DECK MOUNTED 8" FIXED CENTERS HOT & COLD WATER SINK FAUCET - 1100-HABAES3-317AB
- 25 RE-INSTALL EXISTING TOILET, URINAL AND/OR TOILET COMPARTMENT ACCESSORY PER COMPLIANT STANDARDS.
- 26 NEW TOILET COMPARTMENT PARTITIONS: METPAR CORP. THE CORINTHIAN, #FP-500SS STAINLESS STEEL #301/#304 SERIES WITH A #4 SATIN FINISH SEE SPECIFICATION SECTION 10 21 13

**LEGEND**

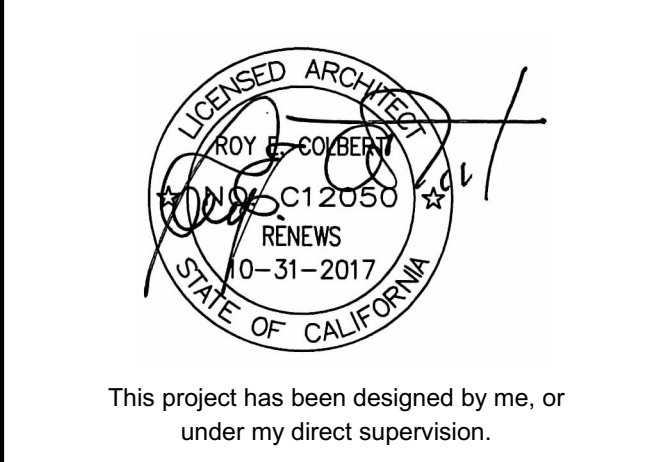
- 8" EXISTING MTL STD WALL
- DARK HATCH DELINEATES FULL HEIGHT
- EXISTING MTL STD WALL - SIZE VARIES
- INDICATES (E) SHEAR PANEL LOCATIONS
- NEW 3 5/8" MTL STD WALL W/ 5/8" GYP BD BOTH SIDES PROVIDE R13 FIBERGLASS BATT SOUND INSULATION
- NEW 4" MTL STD WALL W/ 5/8" GYP BD BOTH SIDES PROVIDE R13 FIBERGLASS BATT SOUND INSULATION
- NEW 6" MTL STD WALL W/ 5/8" GYP BD BOTH SIDES PROVIDE R13 FIBERGLASS BATT SOUND INSULATION
- MICRO-TOPPING RELAY FLOOR FINISH O/ ARDEX PREMIUM SELF-LEVELING UNDERLAYMENT - SEE SPEC. 03 35 43
- FLOOR TILE PER WRITTEN SPECIFICATIONS
- HATCHING INDICATES WATERPROOF PAN AREA
- CARPET (PER OWNER): SHAW (TILES), DIRECT GLUE DOWN O/ ARDEX PREMIUM SELF-LEVELING UNDERLAYMENT THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS

REVISIONS / DESCRIPTION	DATE	BY
GENERAL UPDATE PER JM REVIEW	AUG 11, 2017	SES REC
ADDR RELATED DWGS ADA + IE FINAL CONSTRUCTION SUBMITTAL	AUG 31, 2017	SES REC

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
ALL RIGHTS RESERVED  
THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND OR OMISSIONS RESULTING FROM THAT DATA. BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS, AND THE INCORPORATED IDEAS AND DESIGNS, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
ARCHITECTURE  
PLANNING  
DESIGN

1997 E. MAIN STREET  
VENTURA, CA 93001  
805 / 650 9590 PH  
805 / 650 9589 FX  
rcolb@sbcglobal.net  
CALIFORNIA C12050  
N.C.A.R.B.



VENTURA COUNTY  
COMMUNITY COLLEGE  
DISTRICT  
VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

DEPARTMENT OF  
MAINTENANCE &  
OPERATIONS  
4900 Loma Vista Road  
Ventura, CA 93003

**PROJECT DIRECTORY**

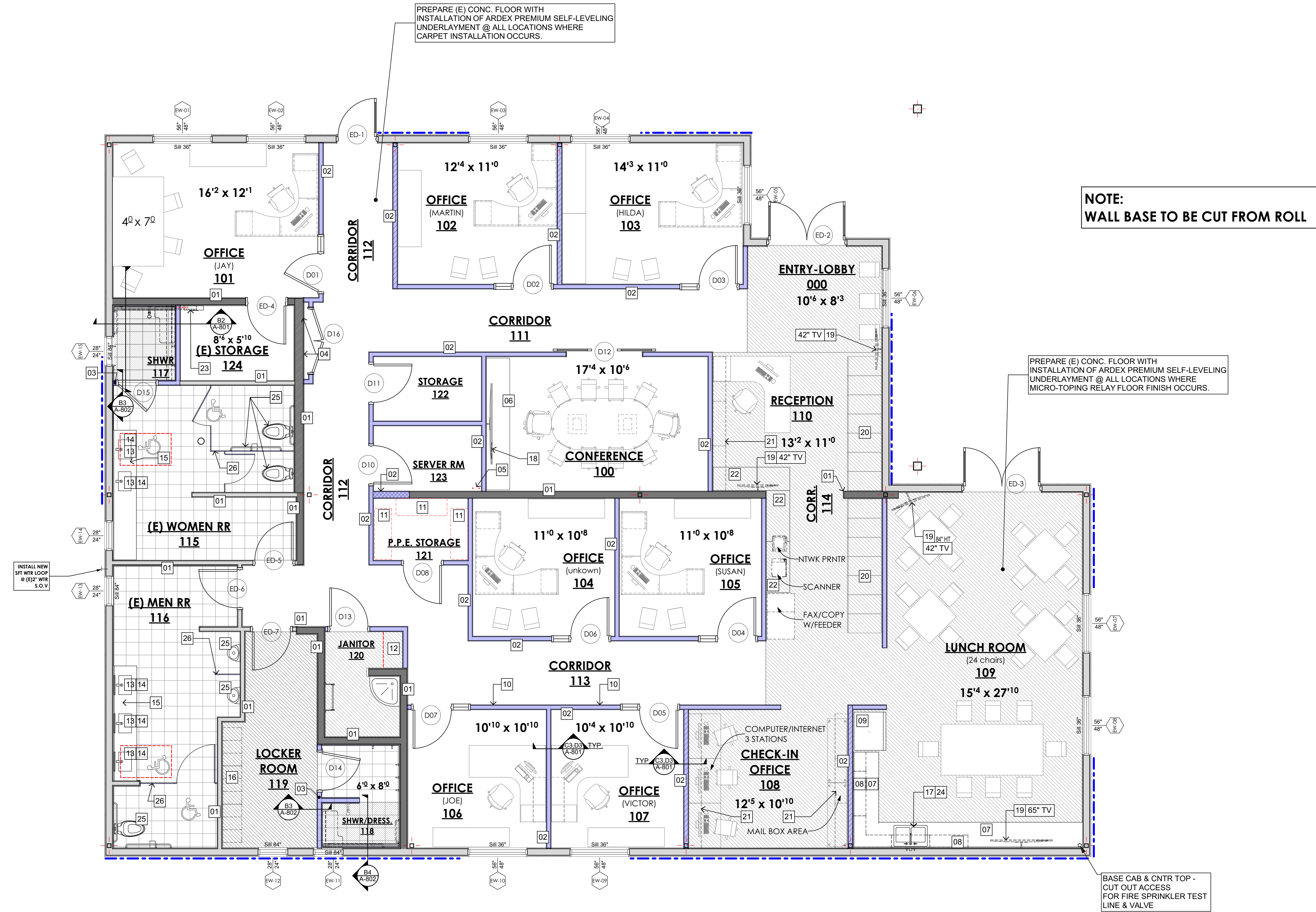
- ELECTRICAL ENGINEERING:**  
Lucci & Associates  
3551 Corte Molisano #511  
Camarillo, CA 93012  
Ken Lucci  
(805) 389-6520 x230 Office
- HVAC MECHANICAL / PLUMB ENGINEER:**  
A/E GROUP  
838 East Front Street  
Ventura, CA 93001  
Hugh McTernan  
Phone 805.653.1722
- FIRE PROTECTION ENGINEER:**  
Jock Collings, F.P.E.  
Collings & Associates LLC  
240 Maple Court, Suite 241  
Ventura, CA 93003  
(805) 658-0003  
jcollings@collingsandassociates.com

VENTURA COLLEGE  
MAINTENANCE & OPERATIONS  
INTERIOR TENANT IMPROVEMENT  
BUILDING C

**FLOOR PLAN - NEW INTERIORS**

SHEET NAME:  
DATE: 10 JULY 2017  
AS SHOWN SES  
SCALE: DRAWN BY:  
C16- 013 P 0107586  
ARCHITECT PROJECT #: VCCDD PROJECT #:  
**A-202**  
SHEET NUMBER: OF SHEETS

**1** NEW LAYOUT FLOOR PLAN W/ FURNITURE & FLOOR SURFACES  
SCALE: 1/4" = 1'-0"



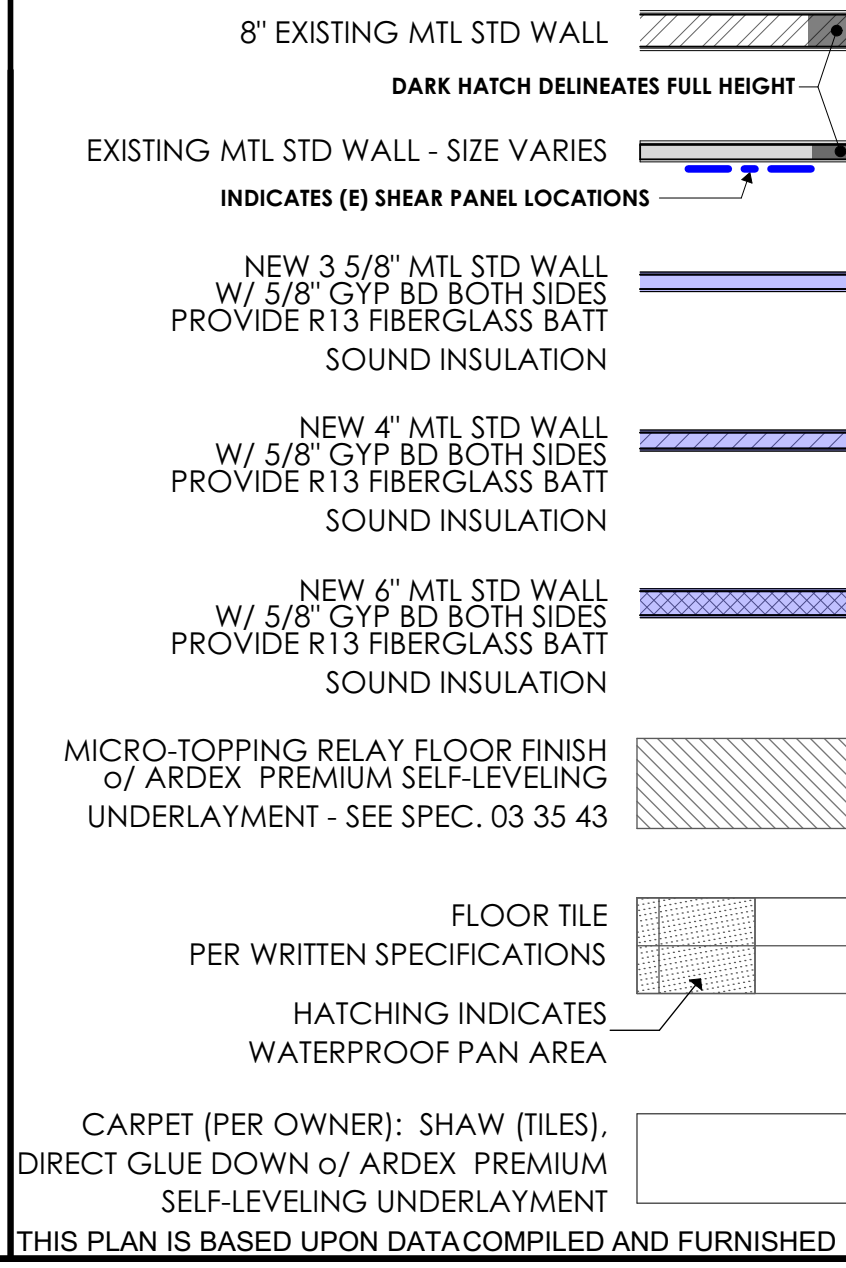
**FLOOR PLAN NOTES**

- A. ALL NEW PARTITIONS TO BE METAL STUD FRAMING U.N.O. (ICC-ESR-2374) SEE CONNECTION DETAILS SHEET A-801 FOR MORE INFORMATION.
- B. ALL INTERIOR METAL STUDS MUST BE LISTED BY AN APPROVED TESTING AND LISTING AGENCY (ICC/CIBO etc.) AND THEY MUST BE INSTALLED PER THE LISTINGS AND MANUFACTURERS INSTALLATION INSTRUCTIONS.
- C. PROVIDE BLOCKING AND BACKING AT 2'-0" AFF AND 8'-0" AFF IN INTERIOR PARTITIONS FOR ALL CASEWORK, EQUIPMENT, AND FUTURE ACCESSORIES.
- D. ALL PARTITIONS SHALL BE PAINTED AND RECEIVE 4" VINYL TOPSET BASE UNLESS OTHERWISE NOTED.
- E. FOR ADDITIONAL GENERAL NOTES, LEGENDS, AND SCHEDULES, REFER TO SHEETS A-001 THROUGH A-006
- F. ADA COMPLIANCE: CONTRACTOR TO VERIFY THAT THE EXISTING MULTIPLE STALL RESTROOMS ARE COMPLIANT WITH THE 2016 CBC CHAPTER 11B AND HAVE A DISABLED STALL CLEAR WIDTH AND A 9 INCH TOE SPACE BETWEEN PARTITION WALLS.
- G. AREAS NOT MARKED OR HIGHLIGHTED OR CALLED OUT PER LEGEND ARE NOT IN CONTRACT ON THIS SHEET.
- H. GC TO PROVIDE DUST PROTECTION THROUGHOUT DEMOLITION AND CONSTRUCTION.
- I. CONTRACTOR TO VERIFY ALL NEW WORK IS COMPLIANT WITH THE 2016 CBC AS ARE ALL RAMPS & HANDRAILS FOR RAMP AND STAIRS AS APPLICABLE TO PROJECT SCOPE.
- J. ALL WORK SHOWN REFLECTS AS-BUILT MEASUREMENTS. HOWEVER, ANY NEW MODIFICATIONS SHALL REQUIRE FIELD VERIFICATION OF ALL DIMENSIONS SHOWN ON THIS PLAN PRIOR TO COMMENCING WORK.
- K. ALL DIMENSIONS ARE TO THE FACE OF METAL STUD UNLESS U.N.O.

**KEY NOTES**

- 01 (E) PARTITION WALL PER WALL LEGEND - PROVIDE R-13 FIBERGLASS BATT SOUND INSULATION
- 02 NEW PARTITION WALL TO 10 FEET IN HEIGHT PER WALL SCHEDULE - PROVIDE R-13 FIBERGLASS BATT SOUND INSULATION
- 03 NEW PARTITION WALL TO 7 FEET IN HEIGHT PER WALL SCHEDULE @ SHOWER SEE SHEET A-801 FOR TYPICAL CONNECTION DETAILS.
- 04 ELECTRICAL SUB PANEL BOXES TO REMAIN - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
- 05 EXISTING LAN (NETWORK) CONDUIT TO REMAIN - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 06 NEW BUILT-IN CABINETRY @ CONFERENCE RM - SEE INTERIOR ELEVATIONS.
- 07 NEW BASE CABINETS & COUNTER TOP - COUNTER TOP TO BE SOLID SURFACE BY DUPONT - CORIAN "LAVA ROCK" PER SPECIFICATIONS - SEE INTERIOR ELEVATIONS
- 08 NEW UPPER WALL CABINETS - SEE INTERIOR ELEVATIONS
- 09 FULL SIZE REFRIGERATOR LOCATION - NEW REFRIGERATOR BY OWNER
- 10 LOCATION FOR IDEA PAINT PRO DRY-ERASE COATING - APPLY PER SPECS, DISCUSS W/ ARCHITECT PRIOR TO APPLICATION FOR DELINEATION OF AREA TO BE COATED.
- 11 METAL SHELVING FOR SAFETY GEAR STORAGE - 48"x16"x7" HEIGHT UNITS. BY OWNER
- 12 CUSTOM FIT SHELVING BY OWNER
- 13 KOHLER TAHOE LAVATORY #K-2890-4U (WHITE) UNDERCOUNTER MOUNT - SEE DETAIL D4/A-802 SEE PLUMBING PLANS
- 14 CHICAGO FAUCET #116.211.AB.1 (ELECTRONIC)
- 15 COUNTER TOP: SOLID SURFACE BY DUPONT - CORIAN "LAVA ROCK" PER SPECIFICATIONS of 3/4" PLYWOOD SEE DETAIL D4/A-802
- 16 LOCKERS BY OWNER
- 17 ELKAY CROSSTOWN 16 GAUGE STAINLESS STEEL 30-3/4" x 18-1/2" x 8". EQUAL DOUBLE BOWL UNDERMOUNT SINK KIT - EFRU318DBG
- 18 CONFERENCE ROOM 65'-90" NETWORK MONITOR/SMART TV BY OWNER - TO BE WIRED FOR INTERNET AND COMMUNICATION W/ VIDEO CONFERENCE CAPABILITIES. SEE D4/8.01 FOR BACKING DETAILS.
- 19 42"-65" NETWORK CAPABLE MONITOR - INSTALL ON WALL @ 66" HIGH U.N.O. - SEE D4/8.01 FOR BACKING DETAILS.
- 20 VERTICAL FILE CABINETS - 64" TALL - BY OWNER
- 21 UPPER WALL MOUNT ABOVE WORKSTATION HUTCH STORAGE CABINETS BY OWNER.
- 22 28" TALL LATERAL FILE CABINET STORAGE UNITS BY OWNER.
- 23 FIRE ALARM CONTROL BOX TO REMAIN - SEE DEMO PLANS & DETAIL 82/A-801
- 24 Chicago Faucets: DECK MOUNTED 8" FIXED CENTERS HOT & COLD WATER SINK FAUCET - 1100-HA8E35-317AB
- 25 RE-INSTALL EXISTING TOILET, URINAL AND/OR TOILET COMPARTMENT ACCESSORY PER COMPLIANT STANDARDS.
- 26 NEW TOILET COMPARTMENT PARTITIONS: METPAR CORP. THE CORINTHIAN, #FP-500SS STAINLESS STEEL #301/#304 SERIES WITH A #4 SATIN FINISH SEE SPECIFICATION SECTION 10 21 13

**LEGEND**

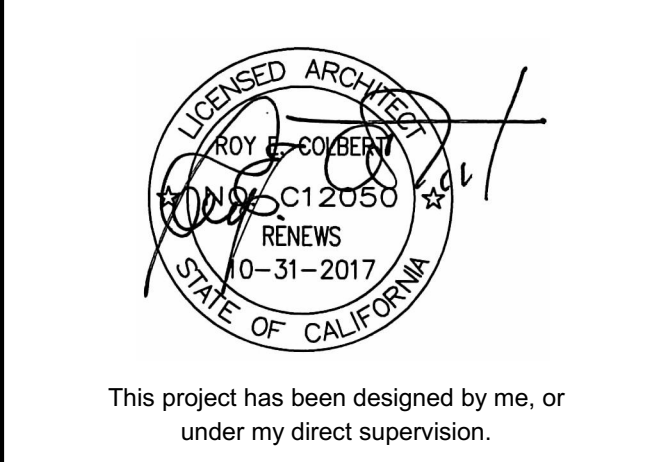


REVISIONS / DESCRIPTION	DATE	BY
GENERAL UPDATE PER JMR REVIEW	AUG 11, 2017	SES REC
ADDR RELATED DWGS ADA + IE FINAL CONSTRUCTION SUBMITTAL	AUG 31, 2017	SES REC

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
ALL RIGHTS RESERVED  
THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND OR OMISSIONS RESULTING FROM THAT DATA. BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS AND THE INCORPORATED IDEAS AND DESIGNS, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
ARCHITECTURE  
PLANNING  
DESIGN

1997 E. MAIN STREET  
VENTURA, CA 93001  
805 / 650 9500 PH  
805 / 650 9589 FX  
rcob@sboglobal.net  
CALIFORNIA C12050  
N.C.A.R.B.



VENTURA COUNTY  
COMMUNITY COLLEGE  
DISTRICT  
VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

DEPARTMENT OF  
MAINTENANCE &  
OPERATIONS  
4900 Loma Vista Road  
Ventura, CA 93003

**PROJECT DIRECTORY**

**ELECTRICAL ENGINEERING:**  
Lucci & Associates  
3551 Corte Madera #511  
Camarillo, CA 93012  
Ken Lucci  
(805) 389-6520 x230 Office

**HVAC MECHANICAL / PLUMB ENGINEER:**  
A/E GROUP  
838 East Front Street  
Ventura, CA 93001  
Hugh McTernan  
Phone 805.653.1722

**FIRE PROTECTION ENGINEER:**  
Jock Collings, F.P.E.  
Collings & Associates LLC  
240 Maple Court, Suite 241  
Ventura, CA 93003  
(805) 658-0003  
jcollings@collingsandassociates.com

VENTURA COLLEGE  
MAINTENANCE & OPERATIONS  
INTERIOR TENANT IMPROVEMENT  
BUILDING C

**FLOOR PLAN -  
FURNITURE PLAN &  
LAYOUT**

10 JULY 2017  
DATE: \_\_\_\_\_  
AS SHOWN SES  
SCALE: \_\_\_\_\_ DRAWN BY: \_\_\_\_\_  
C16- 013 P 0107586  
ARCHITECT PROJECT #: \_\_\_\_\_ VCCCD PROJECT #: \_\_\_\_\_  
**A-203**  
SHEET NUMBER: \_\_\_\_\_ OF \_\_\_\_\_ SHEETS

FLOOR PLAN NOTES

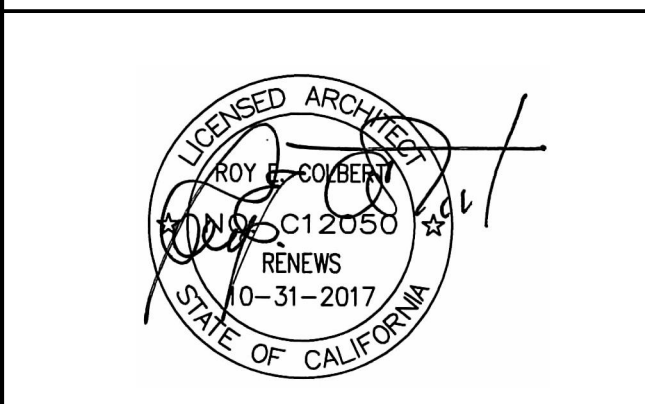
- A. COORDINATE ALL SWITCHES AND FACE PLATES PER ELECTRICAL DRAWINGS.
B. REFER TO STANDARD CEILING INSTALLATION DETAILS FOR ADDITIONAL INSTALLATION.
C. REFER TO PROJECT GENERAL NOTES FOR ADDITIONAL CEILING NOTES. (SHEETS A-001 THROUGH A-006)
D. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION ON SUPPLY AIR & RETURN AIR DIFFUSERS.
E. ANY CONTINUOUS CEILING DOES NOT EXCEED 2500 S.F.
F. LIGHTING AND DIFFUSER LOCATIONS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY. ALWAYS REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR CROSS REFERENCE AND SPECIFICATIONS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE COORDINATING ENGINEER PRIOR TO ORDERING OF ANY FIXTURES. WORK SHALL NOT PROCEED UNTIL ANY DISCREPANCIES ARE MANAGED.
G. AREAS NOT MARKED OR HIGHLIGHTED OR CALLED OUT PER LEGEND ARE NOT IN CONTRACT ON THIS SHEET. TYPICAL.
H. GC TO PROVIDE DUST PROTECTION THROUGHOUT CONSTRUCTION.
I. CONTRACTOR TO VERIFY ALL NEW WORK IS COMPLIANT WITH THE 2016 CBC.
J. ALL WORK SHOWN REFLECTS AS-BUILT MEASUREMENTS, HOWEVER, ANY NEW MODIFICATIONS SHALL REQUIRE FIELD VERIFICATION OF ALL DIMENSIONS SHOWN ON THIS PLAN PRIOR TO COMMENCING WORK.
K. ALL DIMENSIONS ARE TO THE FACE OF METAL STUD UNLESS U.N.O.

Table with 3 columns: REVISIONS / DESCRIPTION, DATE, BY. Contains revision history for the floor plan notes.

COPYRIGHT ROY E COLBERT ARCHITECT 2017. ALL RIGHTS RESERVED. THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS...

ROY E COLBERT ARCHITECTURE PLANNING DESIGN. 1997 E. MAIN STREET VENTURA, CA 93001. 805 / 650 9590 PH. 805 / 650 9589 FX.

805 / 650 9590 PH. 805 / 650 9589 FX. roeb@sbjglobal.net. CALIFORNIA C12050 N.C.A.R.B.



This project has been designed by me, or under my direct supervision.

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT. 4667 Telegraph Road, Ventura, CA 93003.

VENTURA COLLEGE. 4667 Telegraph Road, Ventura, CA 93003.

DEPARTMENT OF MAINTENANCE & OPERATIONS. 4900 Loma Vista Road, Ventura, CA 93003.

PROJECT DIRECTORY. ELECTRICAL ENGINEERING: Lucci & Associates, 3551 Corbin Way, Camarillo, CA 93012.

HVAC MECHANICAL / PLUMB ENGINEER: AVE GROUP, 838 East Front Street, Ventura, CA 93001.

FIRE PROTECTION ENGINEER: Jack Collings, F.F.E. Collings & Associates LLC, 240 Maple Court, Suite 241, Ventura, CA 93003.

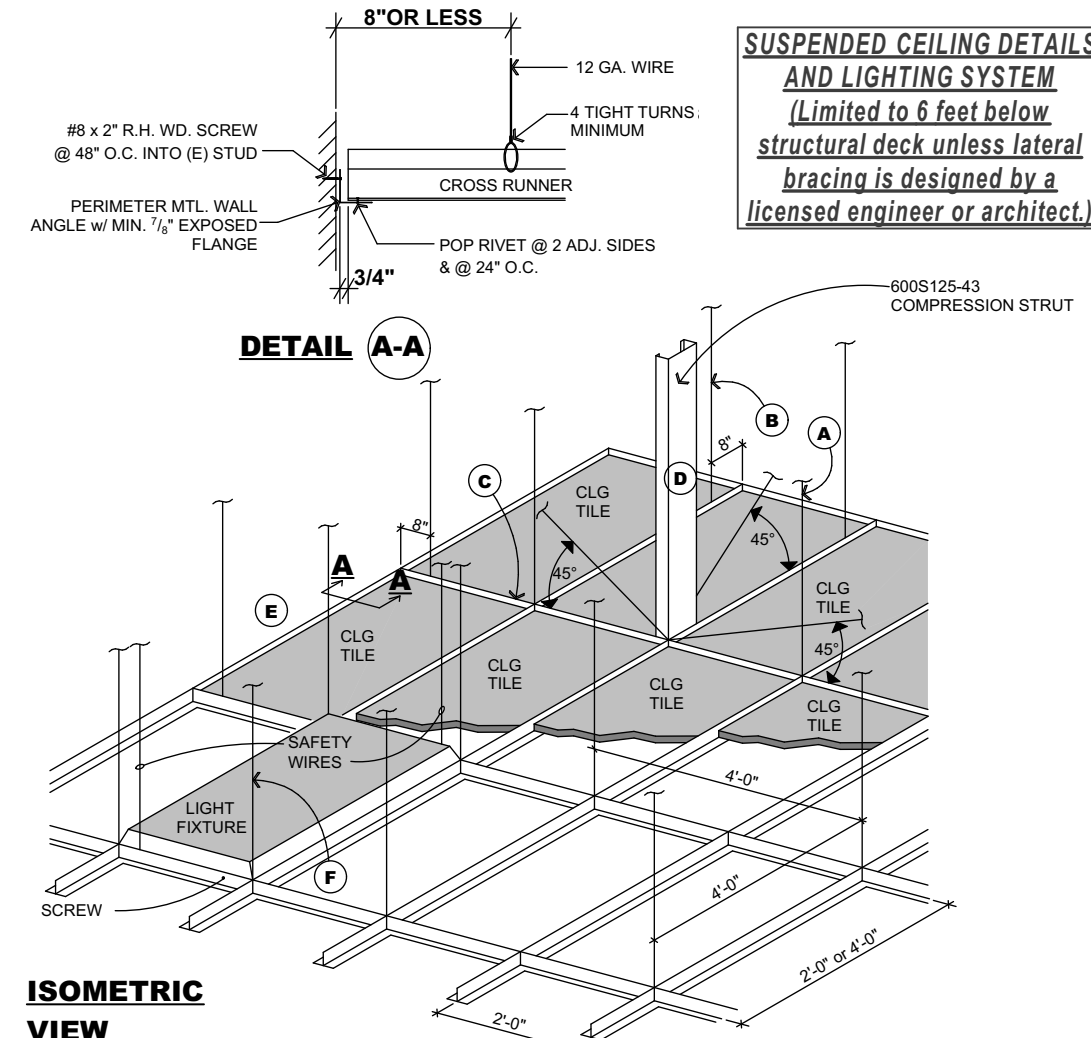
VENTURA COLLEGE MAINTENANCE & OPERATIONS INTERIOR TENANT IMPROVEMENT BUILDING C.

REFLECTED CEILING PLAN. SHEET NAME: 10 JULY 2017. DATE: 10 JULY 2017.

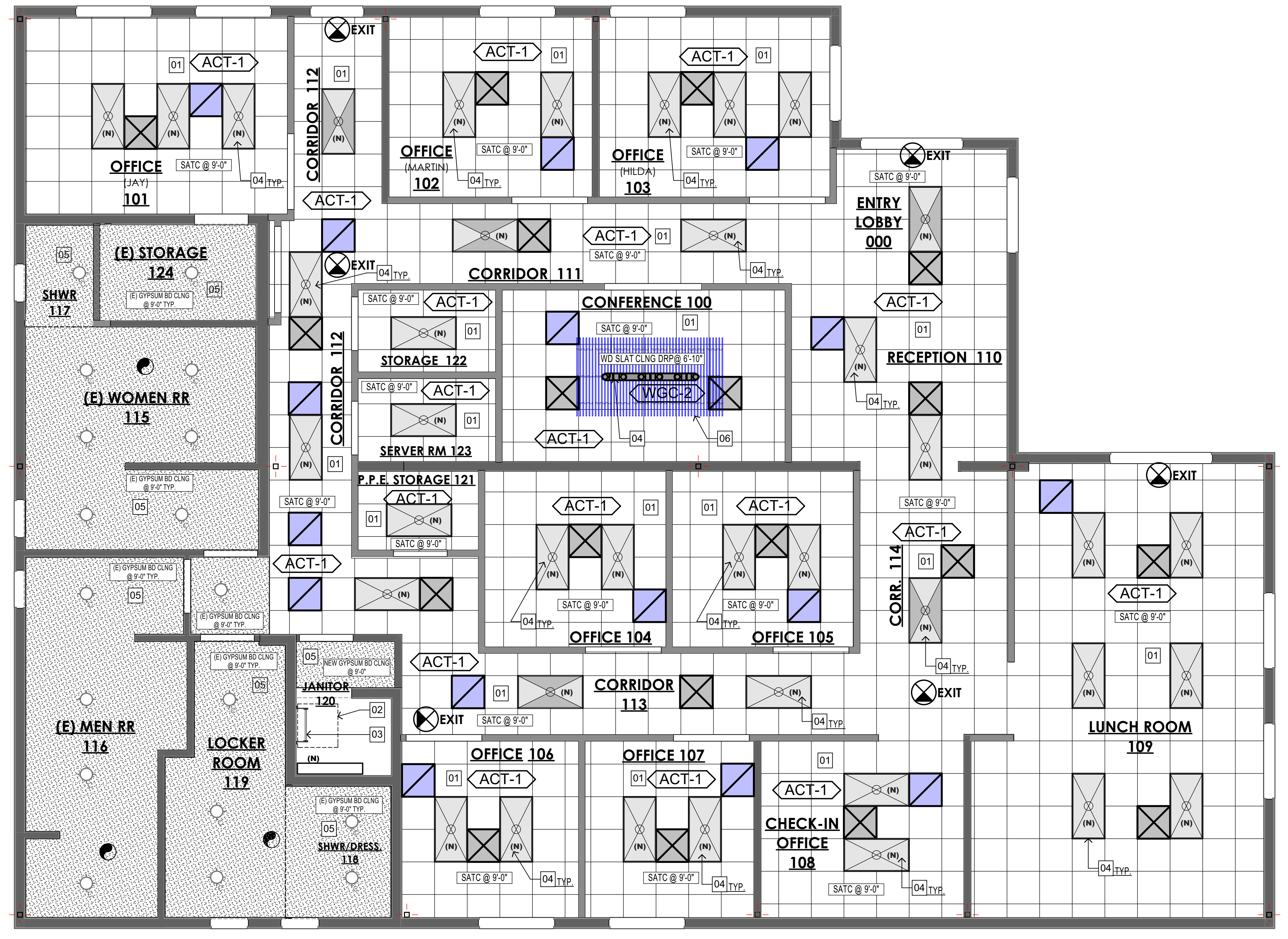
AS SHOWN. SES. SCALE: C16- 013. P 0107586. ARCHITECT PROJECT #: VCCDC PROJECT #:

A-501. SHEET NUMBER: OF SHEETS.

THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS.



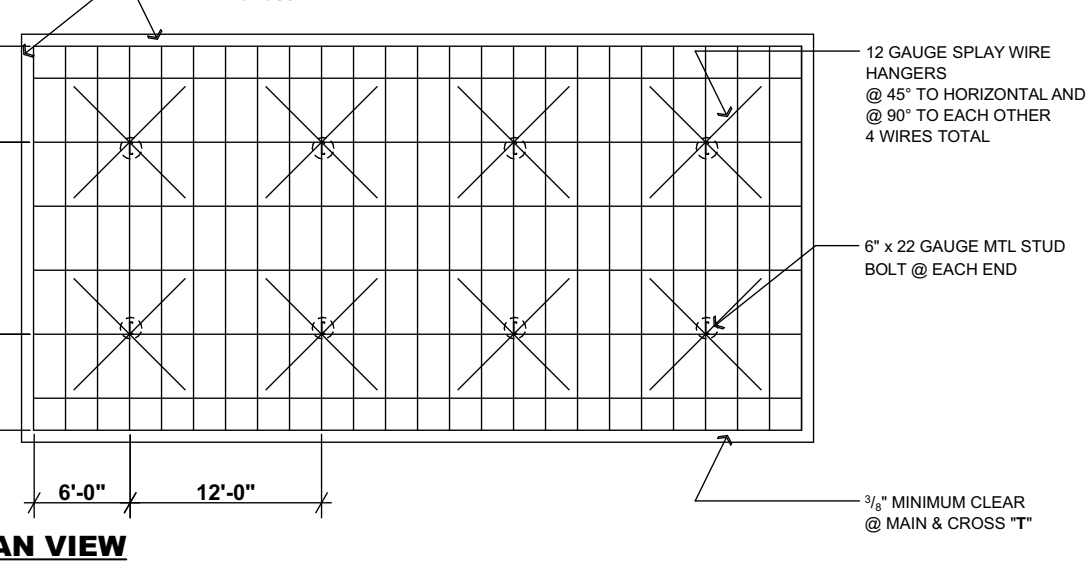
- A. MAIN SUPPORTS. 12 GAUGE HANGER WIRES AT 48\"/>



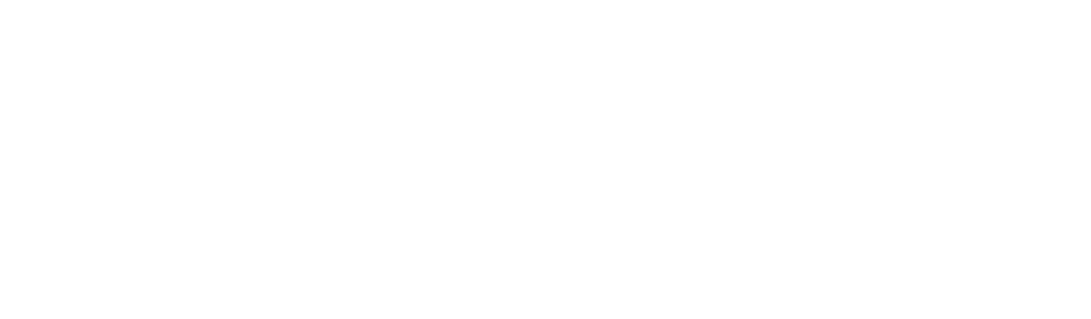
REFLECTED CEILING PLAN - NEW LAYOUT. SCALE: 1/4\"/>

4 SUSPENDED CLNG DETAILS. NOT TO SCALE.

- NOTES: (SUSPENDED CEILING DETAILS AND LIGHTING SYSTEM Limited to 6 feet below structural deck unless lateral bracing is designed by a licensed engineer or architect)
A. HEAVY DUTY T-BAR GRID SYSTEM SHALL BE USED.
B. CEILING EXCEEDING 1000 S.F. SHALL HAVE HORIZONTAL RESTRAINTS.
C. FOR CEILING AREA EXCEEDING 2,500 SQ. FT., PROVIDE A SEISMIC SEPARATION JOINT OR FULL HEIGHT PARTITION THAT BREAKS THE CEILING UP INTO AREAS NOT EXCEEDING 2,500 SQ. FT.
D. EACH AREA SHALL BE PROVIDED WITH CLOSURE WALL ANGLES (SEE SEISMIC SPLAY ANGLE AND WALL ANGLE BELOW).
E. PROVIDE POSITIVE BRACING WHERE CHANGES OCCUR IN T-BAR CEILING ASSEMBLY HEIGHTS.
F. SPECIAL INSPECTION IS REQUIRED FOR SUSPENDED T-BAR CEILING ASSEMBLIES AND ANCHORAGES.
G. INSTALL 12 GA. WIRES TO SIDE OF DIMENSION LUMBER JOISTS OR RAFTERS WITH 1\"/>



5 SUSPENDED CLNG DETAILS. NOT TO SCALE.



ISSUED FOR CONSTRUCTION

**I.E. KEY NOTES**

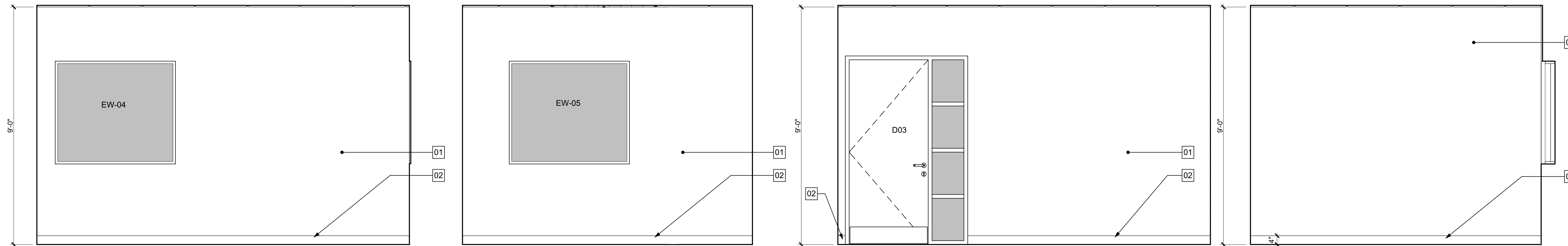
- 01 NEW PAINT OVER GYPSUM BOARD PER SPEC SECTION 099123 - A. COLOR: DUNN-EDWARDS DE 6365 "COLD MORNING"
- 02 NEW WALL BASE (CUT FROM ROLL): 4" COVE - PINNACLE RUBBER WALL BASE BY ROPPE - COLOR: "SLATE" -TYP.
- 03 AREA FOR NEW CREDENZA - BY OWNER
- 04 NEW SUSPENDED WOOD SLAT FLOATING CEILING CLOUD: ARMSTRONG "WOODWORKS GRILLE" 7265 W/ 5/8" SLATS @ 2.25" HT. SEE A-501
- 05 CONFERENCE ROOM 65'-90" NETWORK MONITOR/SMART TV BY OWNER - TO BE WIRED FOR INTERNET AND COMMUNICATION W/ VIDEO CONFERENCE CAPABILITIES. CENTER ON WALL AS SHOWN - SEE D4/8.01 FOR BACKING DETAILS.
- 06 LOCATION FOR IDEA PAINT PRO DRY-ERASE COATING - APPLY PER SPECS. DASHED LINES DELINEATE EXTENTS OF COATING - COLOR TO MATCH WALL PAINT.
- 07 NOT USED DRY-ERASE TRAY: ATLAS ALUMINUM MARKER TRAY WITH SQUARE CORNERS 2'-LENGTH - ITEM # - GR-ALHSSG-02 - PROVIDE PROPER BACKING FOR ATTACHMENT
- 08 NEW UPPER WALL CABINETS - OWNER TO SELECT STYLE AND COLOR.
- 09 FULL SIZE REFRIDGERATOR LOCATION - REFRIDGERATOR BY OWNER
- 10 NEW BASE CABINETS - OWNER TO SELECT STYLE AND COLOR.
- 11 COUNTER TOP & BACKSPLASH - SOLID SURFACE BY DUPONT - CORIAN "LAVA ROCK" PER SPECIFICATIONS - SEE INTERIOR ELEVATIONS
- 12 CUSTOM FIT SHELVING BY OWNER
- 13 KOHLER TAHOE LAVATORY #K-2890-4U (WHITE) UNDERCOUNTER MOUNT - SEE DETAIL D4/A-802 SEE PLUMBING PLANS
- 14 CHICAGO FAUCET #116.211.AB.1 (ELECTRONIC)
- 15 COUNTER TOP: SOLID SURFACE BY DUPONT - CORIAN "LAVA ROCK" PER SPECIFICATIONS @ 3/4" PLYWOOD SEE DETAIL D4/A-802
- 16 LOCKERS BY OWNER
- 17 ELKAY CROSSTOWN 16 GAUGE STAINLESS STEEL 30-3/4" x 18-1/2" x 8" EQUAL DOUBLE BOWL UNDERMOUNT SINK KIT - EFRU3118DBG
- 18 SINGLE LEVER MIXING VALVE - ZURN TEMP GARD III Z7300-S5-MT
- 19 REMOVEABLE HANDSET SHOWERHEAD WITH GRAB BAR
- 20 SHOWER APPROVED ADA GRAB BAR
- 21 FOLDING SHOWER BENCH - ADA APPROVED
- 22 SHOWER WALL TILE - ACI PORCELAIN #362 12" x 24". BEIGE. OVER HardieBacker<sup>®</sup> WITH 6-MIL POLYETHYLENE MOISTURE BARRIER AT STUDS PER SPECIFICATIONS
- 23 FLOOR TILE: AMERICAN OLEAN "SHADOW BAY", 12" x 12", SEA GRASS. SH52 - SEE SPECIFICATIONS ON THINSET

**I.E. SHEET NOTES**

- A. COORDINATE ALL SWITCHES AND FACE PLATES PER ELECTRICAL DRAWINGS.
- B. COORDINATE ALL POWER AND COMMUNICATIONS SHOWN ON ELECTRICAL PLANS
- C. REFER TO PROJECT GENERAL NOTES FOR ADDITIONAL NOTES. (SHEETS A-001 THROUGH A-006)
- D. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION ON SUPPLY AIR & RETURN AIR DIFFUSERS.
- E. COORDINATE ALL PLUMBING WORKS WITH CONSULTANT DRAWINGS.
- F. ANY EQUIPMENT OR ITEMS CALLED OUT "BY OWNER" SHALL BE COORDINATED AND APPROVED WITH THE ARCHITECT UPON SELECTION OF THAT PARTICULAR ITEM BY OWNER.
- G. NOT USED
- H. GC TO PROVIDE DUST PROTECTION THROUGHOUT CONSTRUCTION.
- I. GC TO VERIFY ALL NEW WORK IS COMPLIANT WITH THE 2016 CBC.
- J. ALL WORK SHOWN REFLECTS AS-BUILT MEASUREMENTS, HOWEVER, ANY NEW MODIFICATIONS SHALL REQUIRE FIELD VERIFICATION OF ALL DIMENSIONS SHOWN ON THIS PLAN PRIOR TO COMMENCING WORK.
- K. ALL DIMENSIONS ARE TO THE FACE OF METAL STUD UNLESS U.N.O.

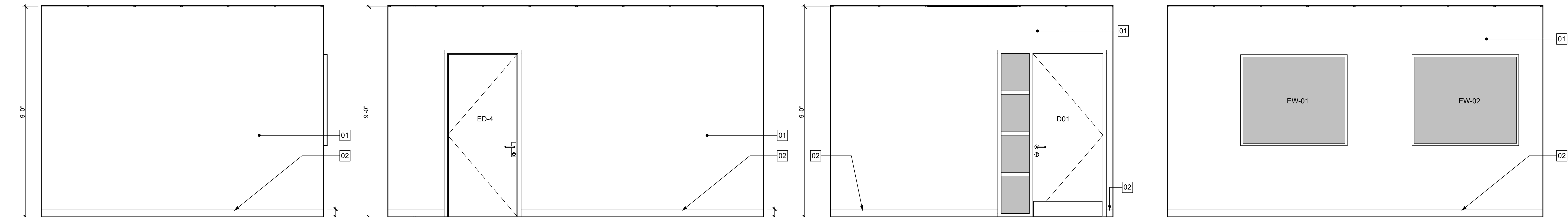
**NOTE:**  
OFFICE 101 & 103 SHOWN AS TYPICAL FOR ALL OFFICE INTERIOR ELEVATIONS

ALL BASE TO BE CUT FROM ROLL

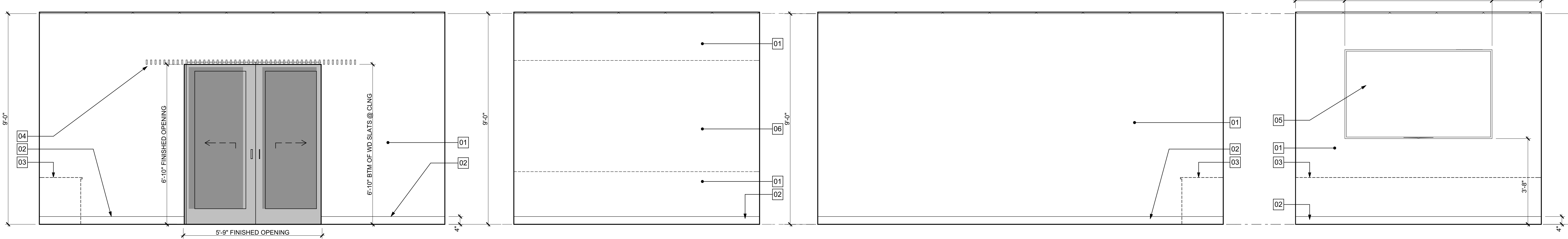


1 OFFICE 103 (HILDA) - NORTH SCALE: 1/2" = 1'-0"  
 2 OFFICE 103 (HILDA) - EAST SCALE: 1/2" = 1'-0"  
 3 OFFICE 103 (HILDA) - SOUTH SCALE: 1/2" = 1'-0"  
 4 OFFICE 103 (HILDA) - WEST SCALE: 1/2" = 1'-0"

**NOTE:**  
OFFICE 101 & 103 SHOWN AS TYPICAL FOR ALL OFFICE INTERIOR ELEVATIONS



5 OFFICE 101 (JAY) - WEST SCALE: 1/2" = 1'-0"  
 6 OFFICE 101 (JAY) - SOUTH SCALE: 1/2" = 1'-0"  
 7 OFFICE 101 (JAY) - EAST SCALE: 1/2" = 1'-0"  
 8 OFFICE 101 (JAY) - NORTH SCALE: 1/2" = 1'-0"

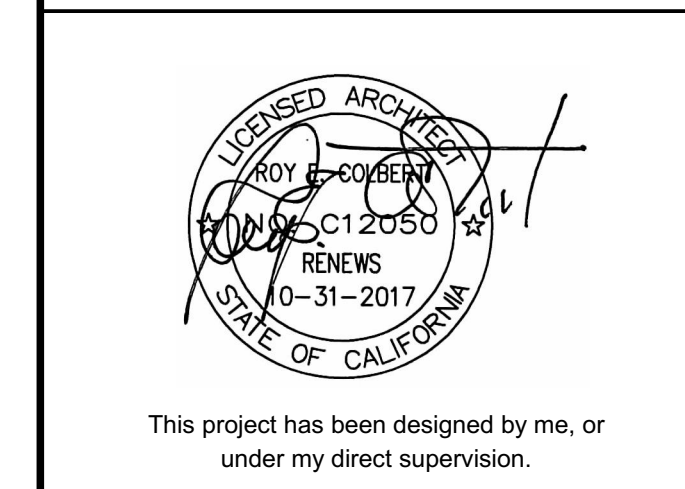


9 CONFERENCE 100 - NORTH SCALE: 1/2" = 1'-0"  
 10 CONFERENCE 100 - EAST SCALE: 1/2" = 1'-0"  
 11 CONFERENCE 100 - SOUTH SCALE: 1/2" = 1'-0"  
 12 CONFERENCE 100 - WEST SCALE: 1/2" = 1'-0"

REVISIONS / DESCRIPTION	DATE	BY
GENERAL UPDATE PER JM REVIEW	AUG 11, 2017	SES REC
ADDR RELATED DWGS ADA + IE FINAL CONSTRUCTION SUBMITTAL	AUG 31, 2017	SES REC

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
 ALL RIGHTS RESERVED  
 THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND OMISSIONS RESULTING FROM THAT DATA BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS AND THE INCORPORATED IDEAS AND DESIGNS CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS IN WHOLE OR IN PART SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
 ARCHITECTURE  
 PLANNING  
 DESIGN  
 1997 E. MAIN STREET  
 VENTURA, CA 93001  
 805 / 650 9590 PH  
 805 / 650 9589 FX  
 roeb@sboglobal.net  
 CALIFORNIA C12050  
 N.C.A.R.B.



VENTURA COUNTY  
 COMMUNITY COLLEGE  
 DISTRICT  
 VENTURA COLLEGE  
 4667 Telegraph Road  
 Ventura, CA 93003

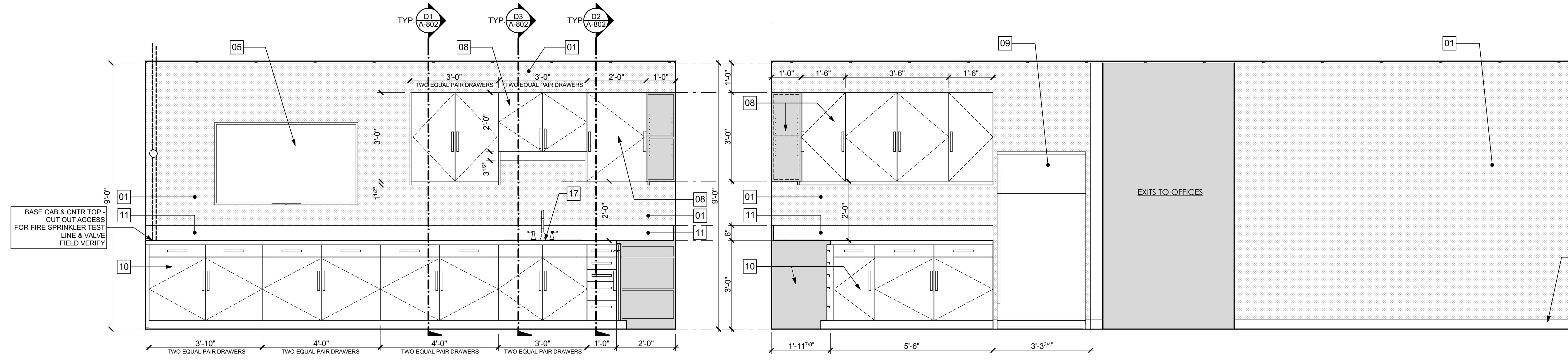
DEPARTMENT OF  
 MAINTENANCE &  
 OPERATIONS  
 4900 Loma Vista Road  
 Ventura, CA 93003

**PROJECT DIRECTORY**  
**ELECTRICAL ENGINEERING:**  
 Lucci & Associates  
 3251 Corte Molgasso #511  
 Camarillo, CA 93012  
 Ken Lucci  
 (805) 389-6520 x230 Office  
**HVAC MECHANICAL / PLMB ENGINEER:**  
 AVE GROUP  
 838 East Front Street  
 Ventura, CA 93001  
 Hugh McTernan  
 Phone 805.653.1722  
**FIRE PROTECTION ENGINEER:**  
 Jack Collings, F.P.E.  
 Collings & Associates LLC  
 260 Maple Court, Suite 241  
 Ventura, CA 93003  
 (805) 658-0003  
 jcollings@collingsandassociates.com

VENTURA COLLEGE  
 MAINTENANCE & OPERATIONS  
 INTERIOR TENANT IMPROVEMENT  
 BUILDING C

**INTERIOR ELEVATIONS**

SHEET NAME:  
 10 JULY 2017  
 DATE: \_\_\_\_\_  
 AS SHOWN SES  
 SCALE: \_\_\_\_\_ DRAWN BY:  
 C16- 013 P 0107586  
 ARCHITECT PROJECT #: \_\_\_\_\_ VCCCD PROJECT #:  
**A-701**  
 SHEET NUMBER: \_\_\_\_\_ OF \_\_\_\_\_ SHEETS

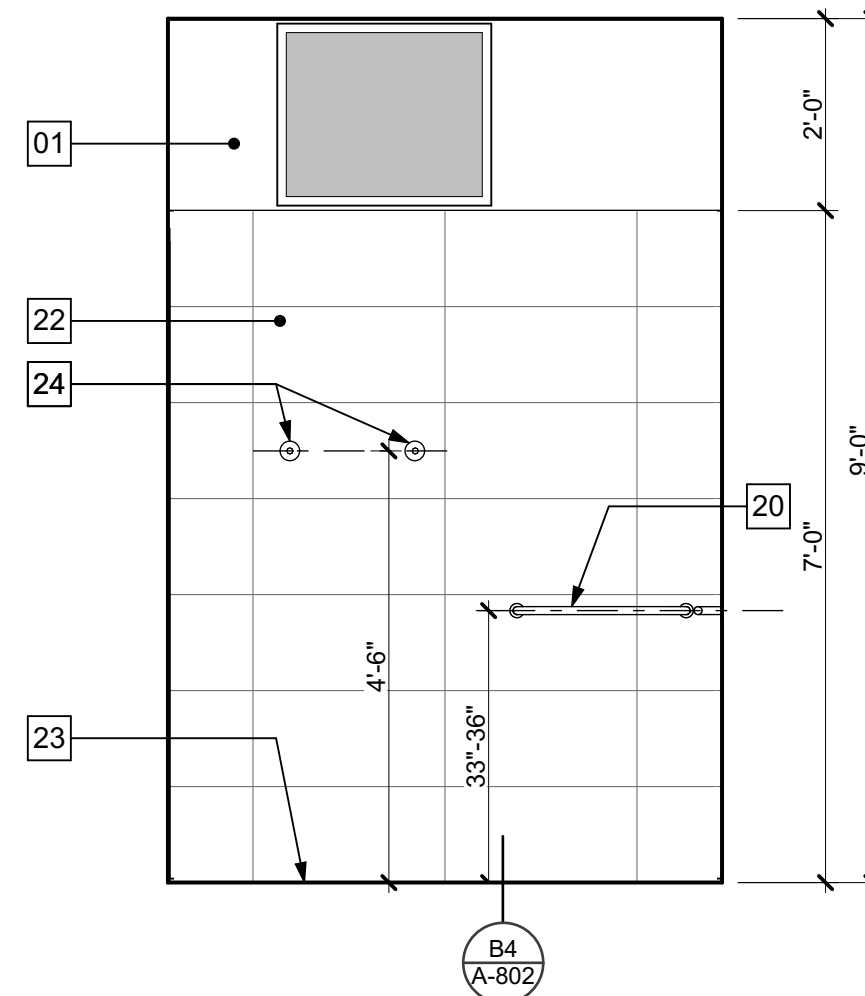


1 LUNCH ROOM 109 - SOUTH

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

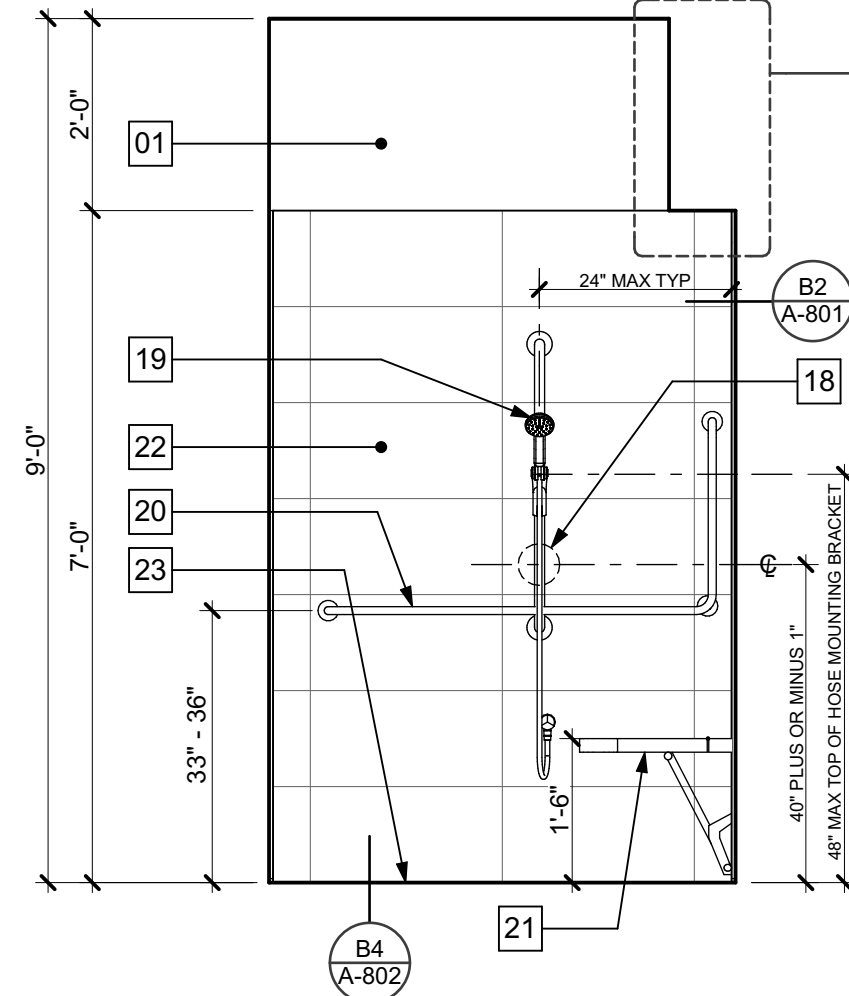
2 LUNCH ROOM 109 - WEST

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



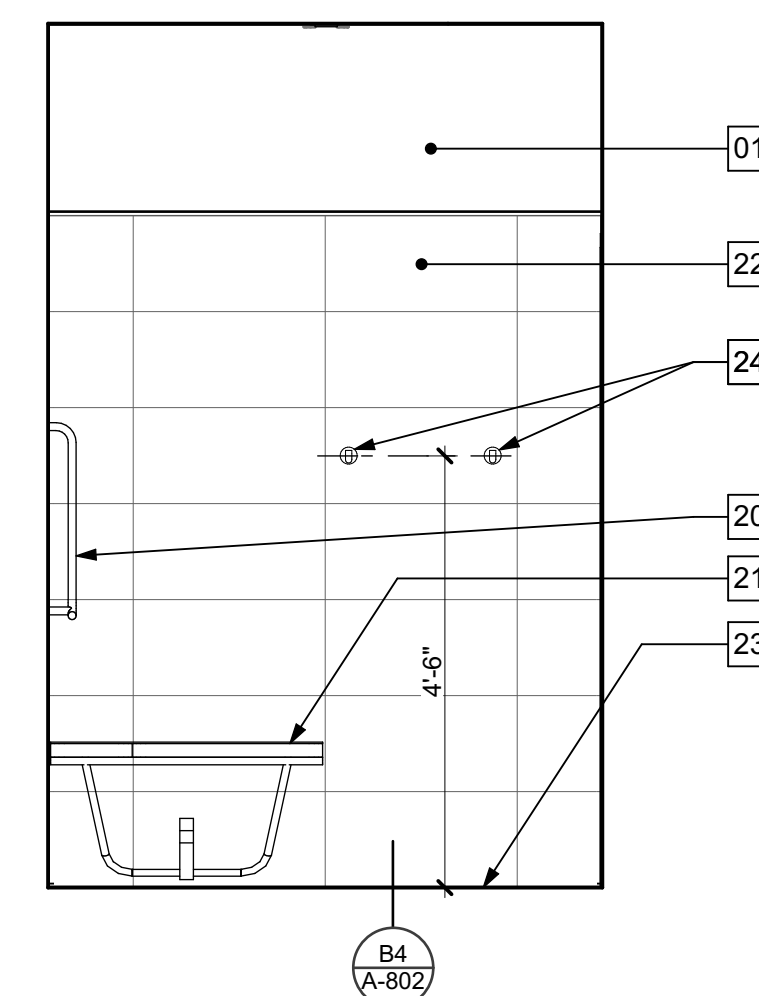
3 WMN SHOWER 117 - WEST

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



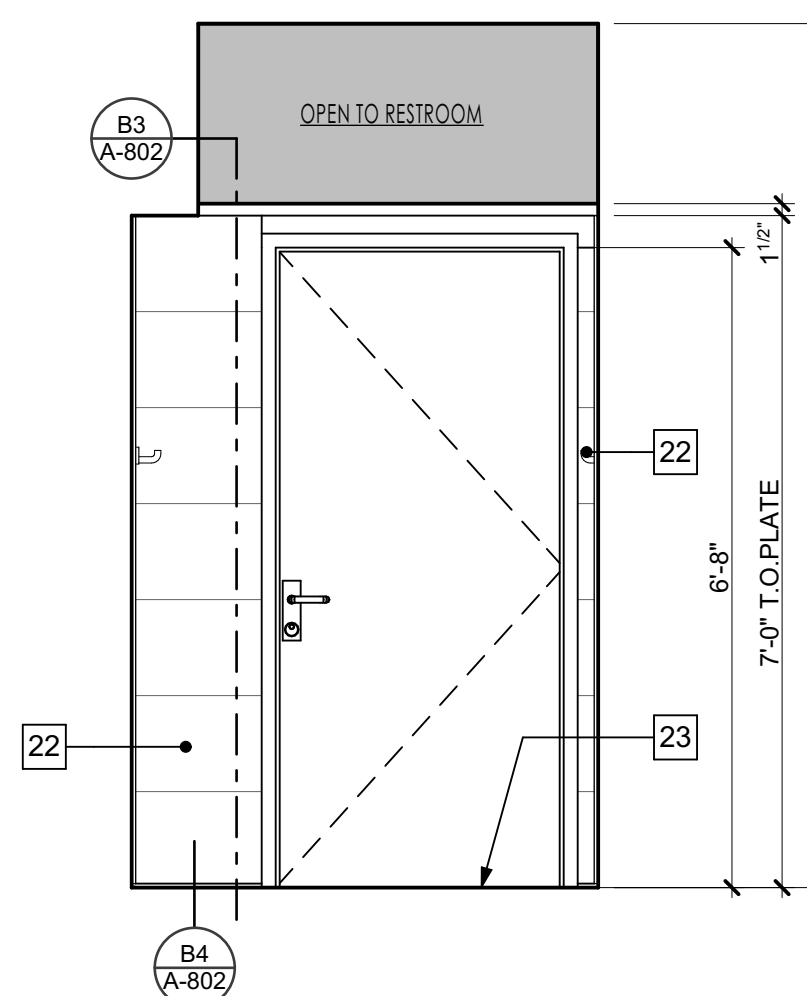
4 WMN SHOWER 117 - NORTH

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



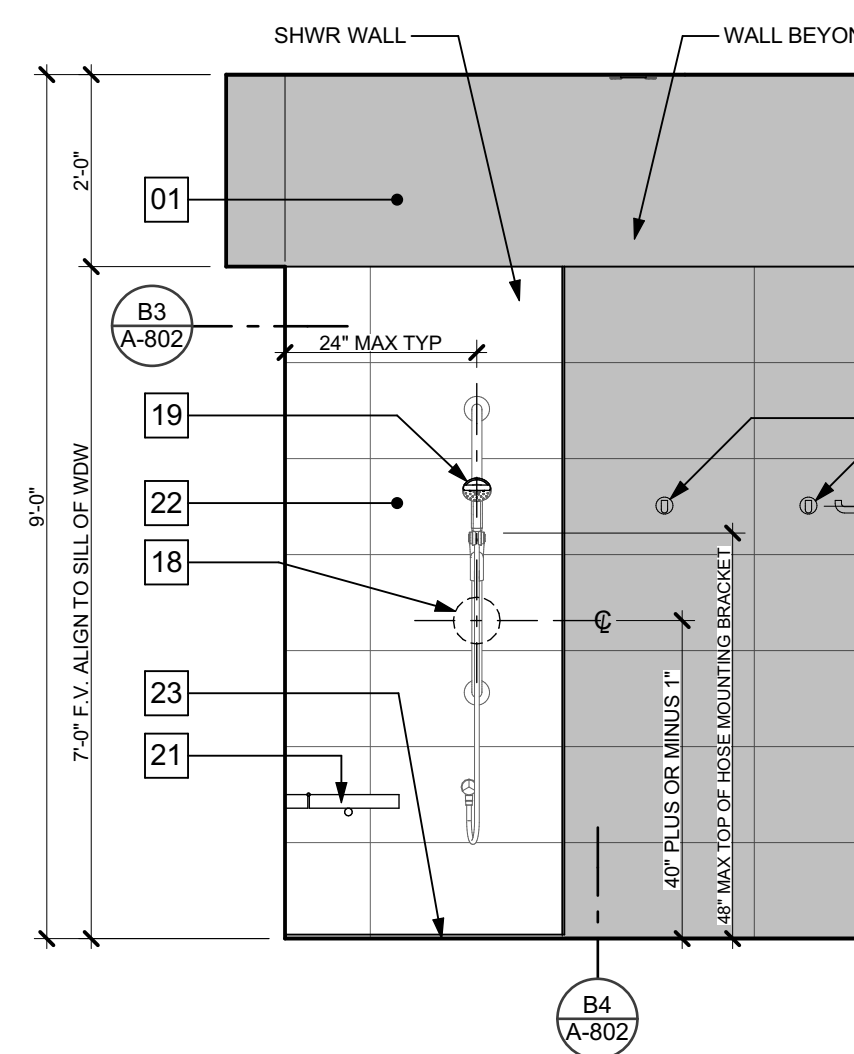
5 WMN SHOWER 117 - EAST

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



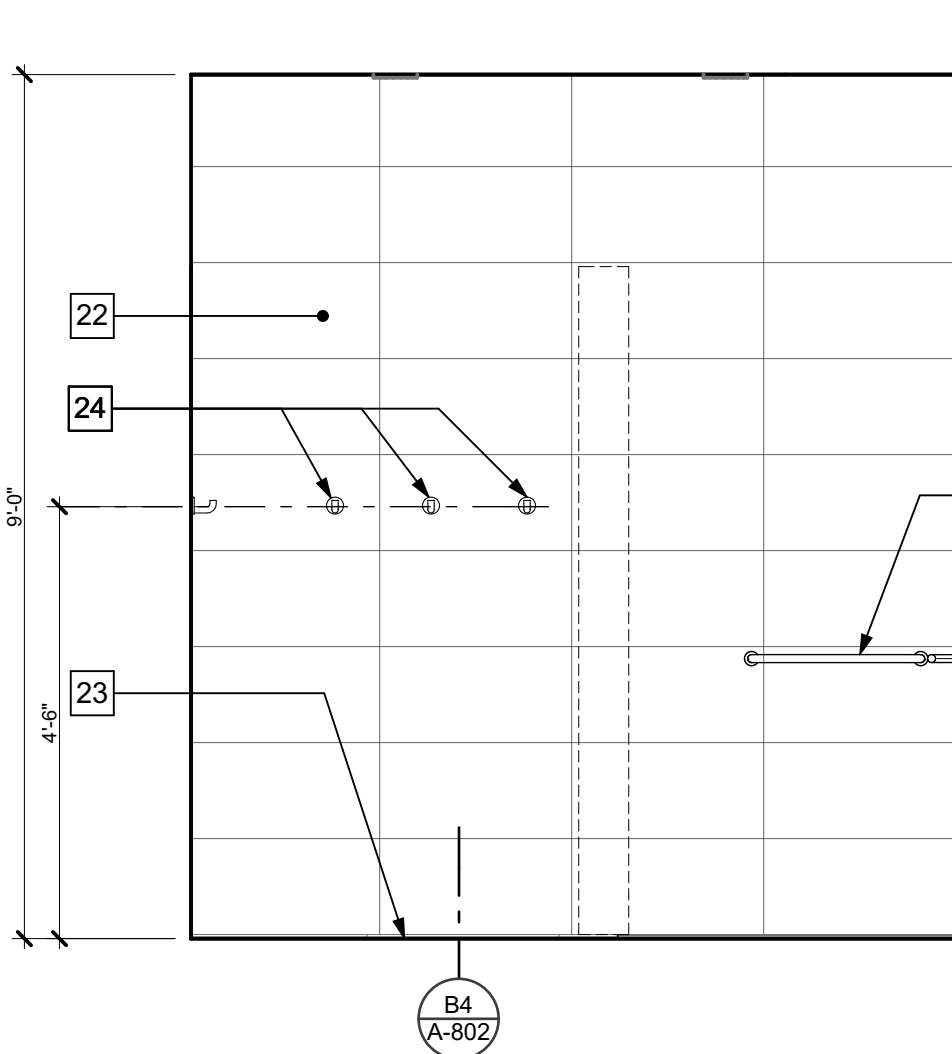
6 WMN SHOWER 117 - SOUTH

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



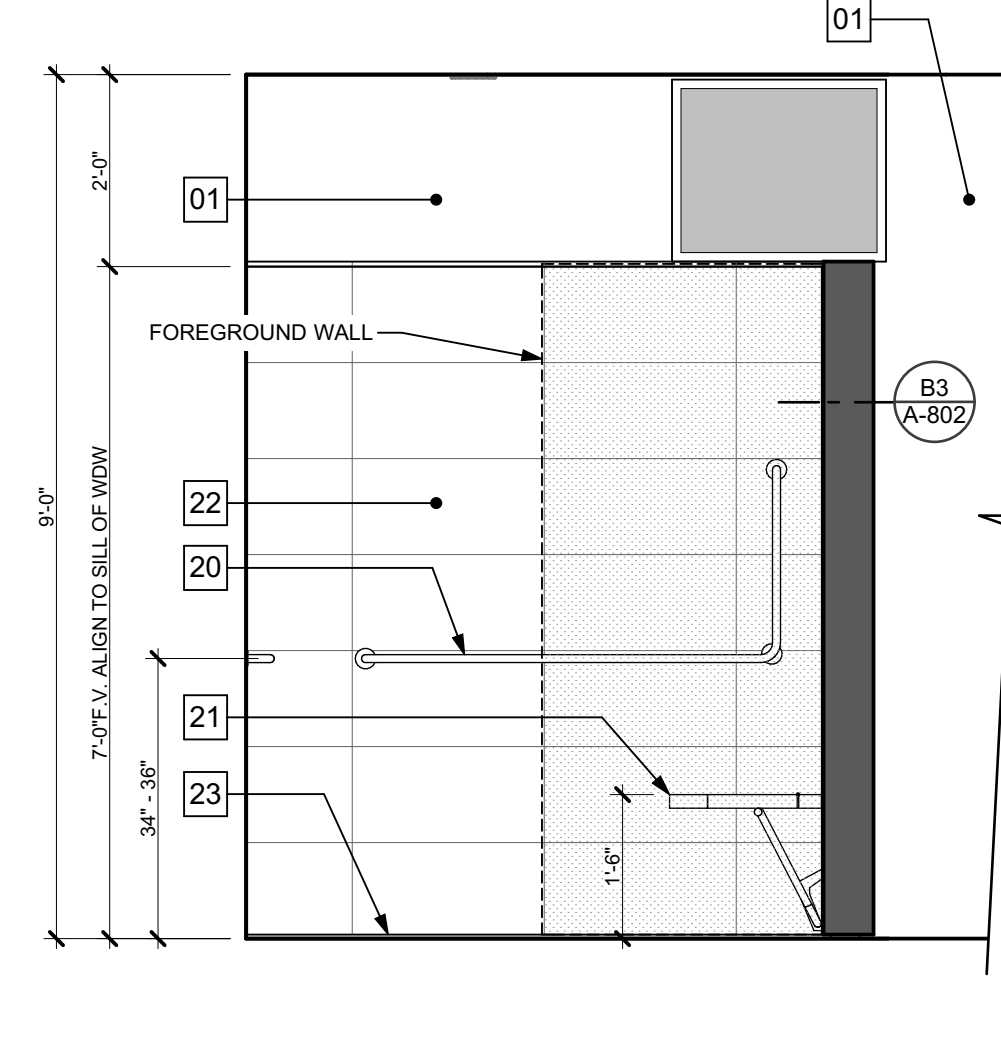
7 MENS SHWR 118 - NORTH

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



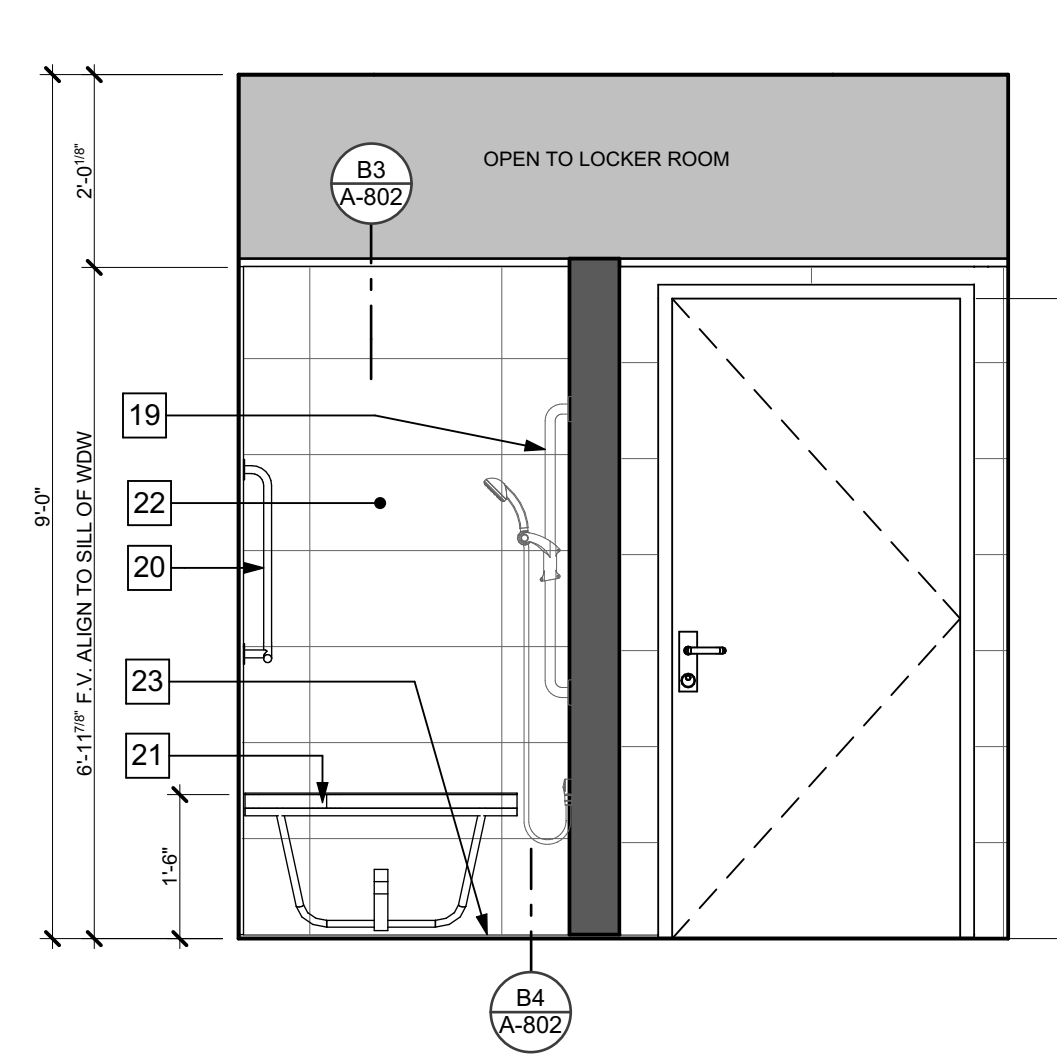
8 MENS SHWR 118 - EAST

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



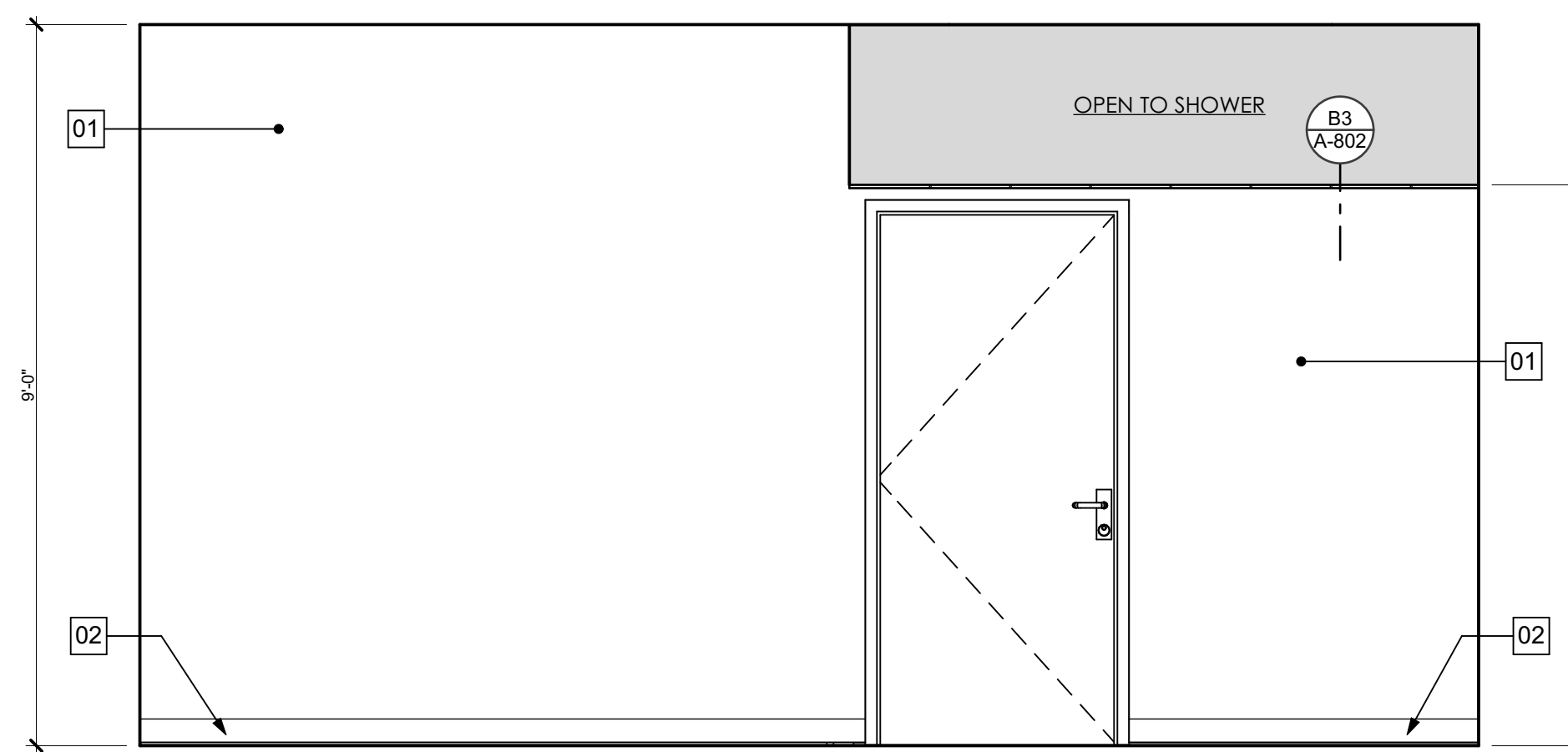
9 MENS SHWR 118 - SOUTH

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



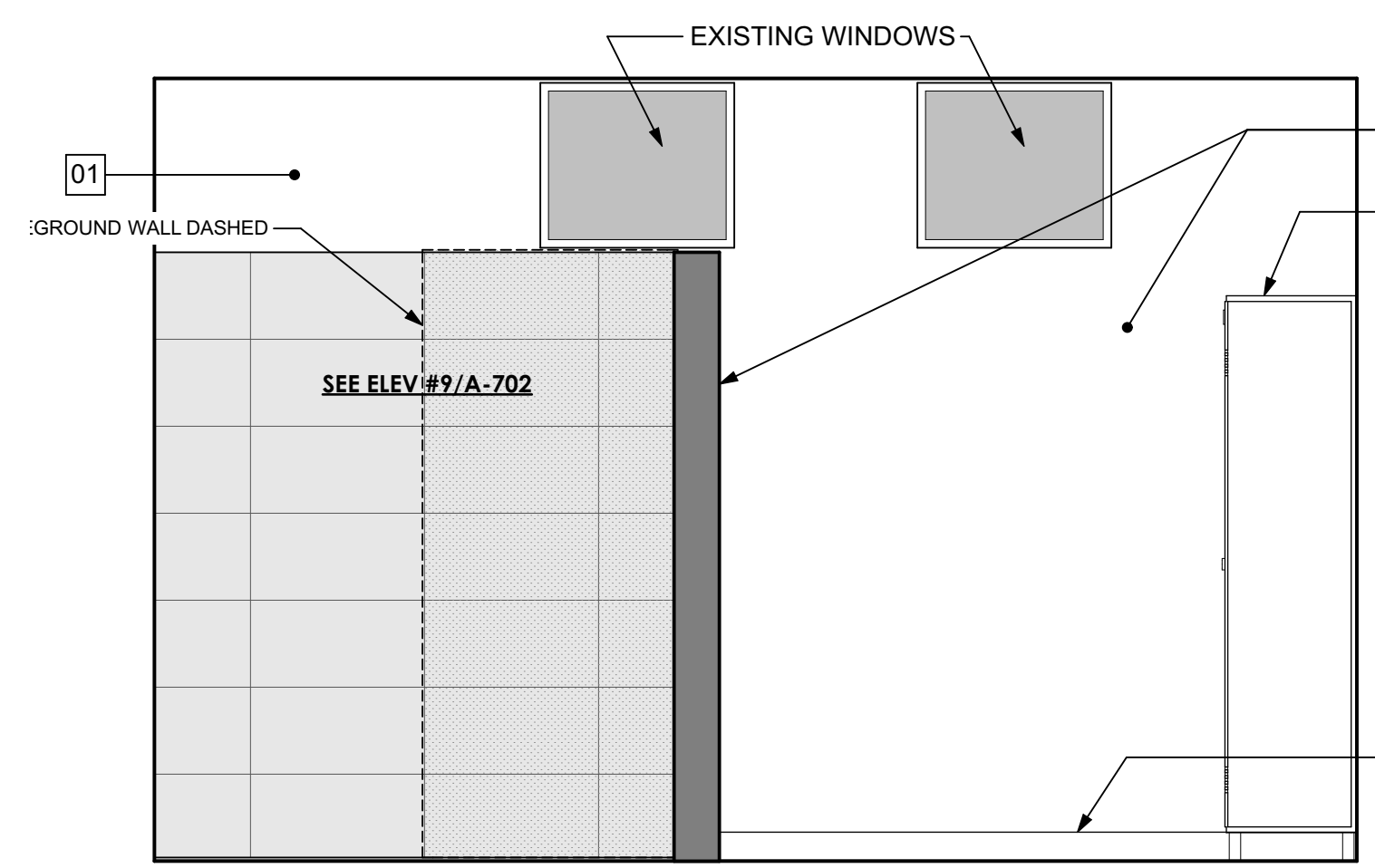
10 MENS SHWR 118 - WEST

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



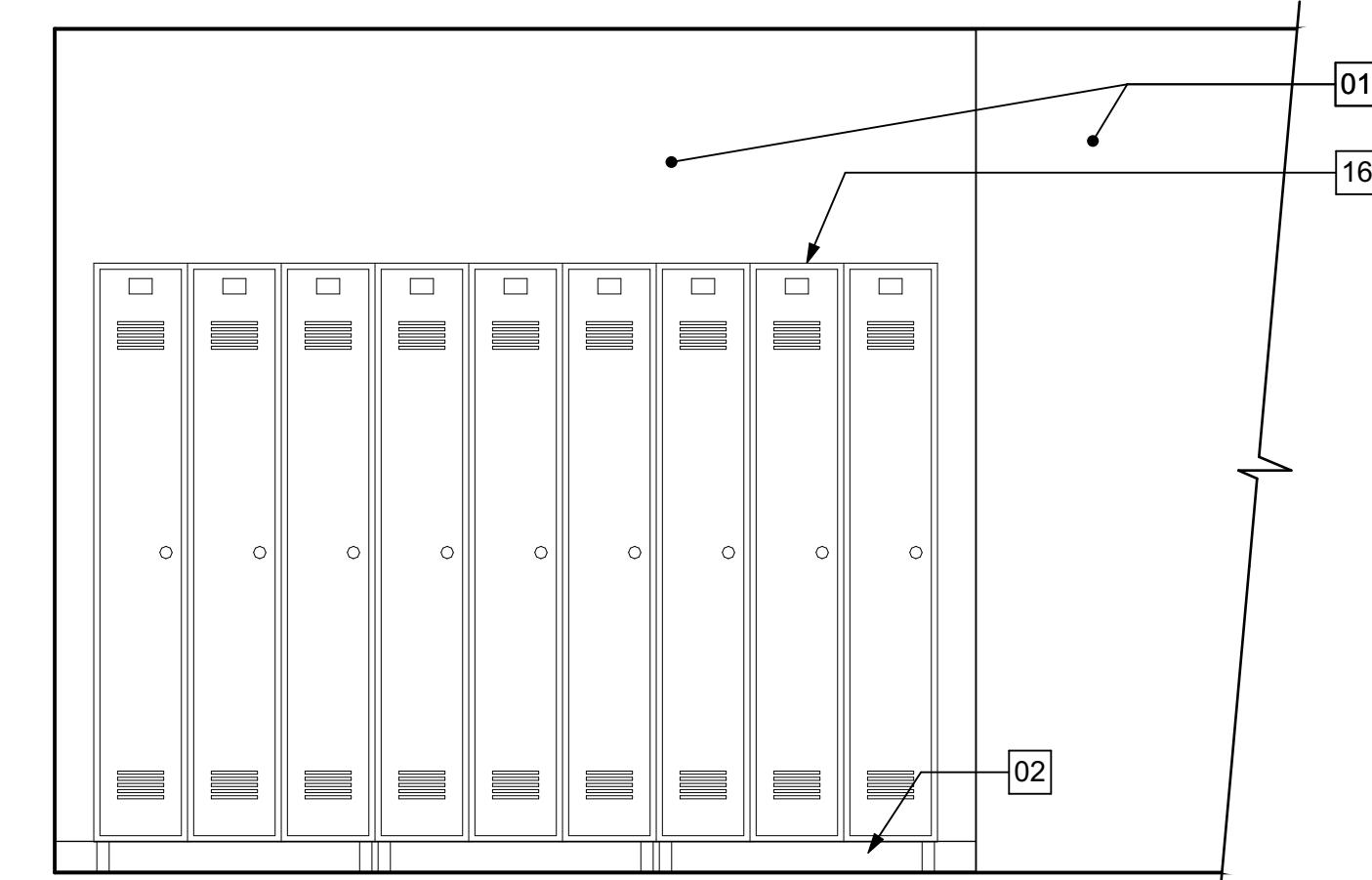
11 LOCKER RM 119 - WEST

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



12 LOCKER RM 119 - SOUTH

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



13 LOCKER RM 119 - WEST

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

I.E. SHEET NOTES

- A. COORDINATE ALL SWITCHES AND FACE PLATES PER ELECTRICAL DRAWINGS.
- B. COORDINATE ALL POWER AND COMMUNICATIONS SHOWN ON ELECTRICAL PLANS.
- C. REFER TO PROJECT GENERAL NOTES FOR ADDITIONAL NOTES. (SHEETS A-001 THROUGH A-006)
- D. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION ON SUPPLY AIR & RETURN AIR DIFFUSERS.
- E. COORDINATE ALL PLUMBING WORKS WITH CONSULTANT DRAWINGS.
- F. ANY EQUIPMENT OR ITEMS CALLED OUT "BY OWNER" SHALL BE COORDINATED AND APPROVED WITH THE ARCHITECT UPON SELECTION OF THAT PARTICULAR ITEM BY OWNER.
- G. NOT USED
- H. GC TO PROVIDE DUST PROTECTION THROUGHOUT CONSTRUCTION.
- I. GC TO VERIFY ALL NEW WORK IS COMPLIANT WITH THE 2016 CBC.
- J. ALL WORK SHOWN REFLECTS AS-BUILT MEASUREMENTS, HOWEVER, ANY NEW MODIFICATIONS SHALL REQUIRE FIELD VERIFICATION OF ALL DIMENSIONS SHOWN ON THIS PLAN PRIOR TO COMMENCING WORK.
- K. ALL DIMENSIONS ARE TO THE FACE OF METAL STUD UNLESS U.N.O.

I.E. KEY NOTES

- 01 NEW PAINT OVER GYPSUM BOARD PER SPEC SECTION 099123 - A. COLOR: DUNN-EDWARDS DE 6365 "COLD MORNING"
- 02 NEW WALL BASE (CUT FROM ROLL); 4" COVE - PINNACLE RUBBER WALL BASE BY ROPPE - COLOR: "SLATE" -TYP.
- 03 AREA FOR NEW CREDENZA - BY OWNER
- 04 NEW SUSPENDED WOOD SLAT FLOATING CEILING CLOUD: ARMSTRONG "WOODWORKS GRILLE" 7265 W/ 5/8" SLATS @ 2.25" HT. SEE A-501
- 05 CONFERENCE ROOM 45"-90" NETWORK MONITOR/SMART TV BY OWNER - TO BE WIRED FOR INTERNET AND COMMUNICATION W/ VIDEO CONFERENCE CAPABILITIES. CENTER ON WALL AS SHOWN - SEE D4/8/01 FOR BACKING DETAILS.
- 06 LOCATION FOR IDEA PAINT PRO DRY-ERASE COATING. APPLY PER SPECS. DASHED LINES DELINEATE EXTENTS OF COATING - COLOR TO MATCH WALL PAINT.
- 07 NOT USED DRY-ERASE TRAY: ATLAS ALUMINUM-MARKER TRAY WITH SQUARE-CORNERS 2'-LENGTH-ITEM #1-GR-AH05SC-02
- 08 NEW UPPER WALL CABINETS W/ ADJUSTABLE SHELVING - OWNER TO SELECT STYLE AND COLOR.
- 09 FULL SIZE REFRIGERATOR LOCATION - REFRIGERATOR BY OWNER
- 10 NEW BASE CABINETS W/ ADJUSTABLE SHELVING - OWNER TO SELECT STYLE AND COLOR.
- 11 COUNTER TOP & BACKSPLASH - SOLID SURFACE BY DUPONT - CORIAN "LAVA ROCK" PER SPECIFICATIONS - SEE INTERIOR ELEVATIONS
- 12 CUSTOM FIT SHELVING BY OWNER
- 13 KOHLER TAHOE LAVATORY #K-2890-4U (WHITE) UNDERCOUNTER MOUNT - SEE DETAIL D4/A-802 SEE PLUMBING PLANS
- 14 CHICAGO FAUCET #116.211.AB.1 (ELECTRONIC)
- 15 COUNTER TOP: SOLID SURFACE BY DUPONT - CORIAN "LAVA ROCK" PER SPECIFICATIONS OF 3/4" PLYWOOD SEE DETAIL D4/A-802
- 16 LOCKERS BY OWNER
- 17 ELKAY CROSSTOWN 16 GUAGE STAINLESS STEEL 30-3/4" x 18-1/2" x 8", EQUAL DOUBLE BOWL UNDERMOUNT SINK KIT - EFRU318DBG
- 18 MIXING VALVE LOCATION - 39" - 41" ABOVE SHOWER FLOOR
- 19 FLUSH MOUNTED SHOWER KIT: SINGLE STATION, WALL MOUNTED, ADA COMPLIANT. ACORN APEX MODEL 410BADA SERIES TYPE 1. SEE PLUMBING PLANS
- 20 SHOWER APPROVED ADA GRAB BAR
- 21 FOLDING SHOWER BENCH - ADA APPROVED
- 22 SHOWER WALL TILE - ACT PORCELAIN #362 12" x 24". BEIGE OVER HardieBacker® WITH 6-MIL POLYETHYLENE MOISTURE BARRIER AT STUDS PER SPECIFICATIONS
- 23 FLOOR TILE: AMERICAN OLEAN "SHADOW BAY", 12" x 12". SEA GRASS. SH52 - SEE SPECIFICATIONS ON THINSET
- 24 CHICAGO FAUCETS W8D-DB6AE1-369 ABCP WORKBOARD FAUCET, 8"
- 25 STAINLESS STEEL SHOWER HOOKS

NOTE: WALL BASE TO BE CUT FROM ROLL

REVISIONS / DESCRIPTION	DATE	BY
GENERAL UPDATE PER JMR REVIEW	AUG 11, 2017	SES REC
ADDRESS RELATED DWGS. ADA + IE FINAL CONSTRUCTION SUBMITTAL	AUG 31, 2017	SES REC
	OCT 01, 2017	SES REC

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
 ALL RIGHTS RESERVED  
 THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND OR OMISSIONS RESULTING FROM THAT DATA. BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS AND THE INCORPORATED IDEAS AND DESIGNS, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

ROY E COLBERT

ARCHITECTURE  
PLANNING  
DESIGN

1997 E. MAIN STREET  
VENTURA, CA 93001

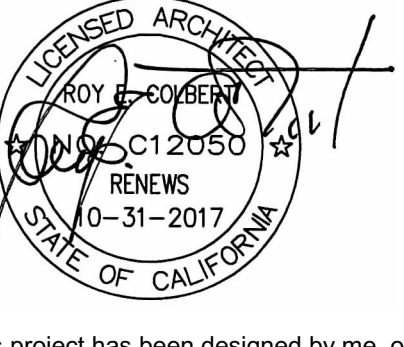
805 / 650 9590 PH

805 / 650 9589 FX

roeb@rboglobal.net

CALIFORNIA C12050

N.C.A.R.B.



This project has been designed by me, or under my direct supervision.

VENTURA COUNTY  
COMMUNITY COLLEGE  
DISTRICT

VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

DEPARTMENT OF  
MAINTENANCE &  
OPERATIONS  
4900 Loma Vista Road  
Ventura, CA 93003

PROJECT DIRECTORY

**ELECTRICAL ENGINEERING:**  
 Lucci & Associates  
 3551 Corte Madera #511  
 Camarillo, CA 93012  
 Ken Lucci  
 (805) 389-6520 x230 Office

**HVAC MECHANICAL / PLUMB ENGINEER:**  
 AVE GROUP  
 838 East Front Street  
 Ventura, CA 93001  
 Hugh McTernon  
 Phone 805.653.1722

**FIRE PROTECTION ENGINEER:**  
 Jock Collings, F.P.E.  
 Collings & Associates LLC  
 260 Maple Court, Suite 241  
 Ventura, CA 93003  
 (805) 658-0003  
 jcollings@collingsandassociates.com

VENTURA COLLEGE  
MAINTENANCE & OPERATIONS  
INTERIOR TENANT IMPROVEMENT  
BUILDING C

INTERIOR  
ELEVATIONS

10 JULY 2017

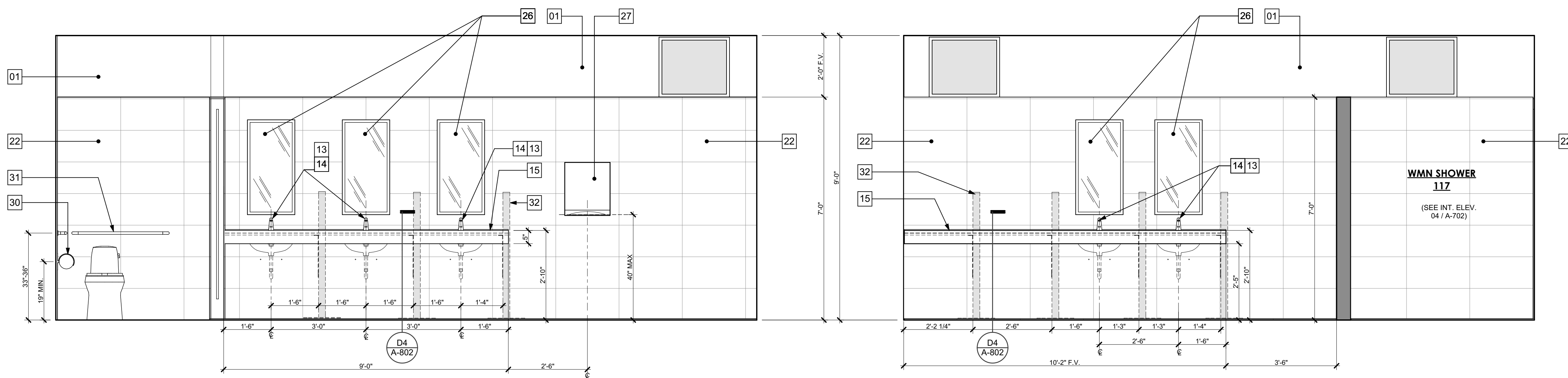
AS SHOWN SES

C16- 013 P 0107586

ARCHITECT PROJECT # VCCDC PROJECT #

**A-702**

SHEET NUMBER: OF SHEETS



**2 MENS RESTROOM 116 - WEST**  
SCALE: 1/2" = 1'-0"

**1 WOMEN RESTROOM 115 - WEST**  
SCALE: 1/2" = 1'-0"

**I.E. SHEET NOTES**

- A. COORDINATE ALL SWITCHES AND FACE PLATES PER ELECTRICAL DRAWINGS.
- B. COORDINATE ALL POWER AND COMMUNICATIONS SHOWN ON ELECTRICAL PLANS
- C. REFER TO PROJECT GENERAL NOTES FOR ADDITIONAL NOTES. (SHEETS A-001 THROUGH A-006)
- D. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION ON SUPPLY AIR & RETURN AIR DIFFUSERS.
- E. COORDINATE ALL PLUMBING WORKS WITH CONSULTANT DRAWINGS.
- F. ANY EQUIPMENT OR ITEMS CALLED OUT "BY OWNER" SHALL BE COORDINATED AND APPROVED WITH THE ARCHITECT UPON SELECTION OF THAT PARTICULAR ITEM BY OWNER.
- G. NOT USED
- H. GC TO PROVIDE DUST PROTECTION THROUGHOUT CONSTRUCTION.
- I. GC TO VERIFY ALL NEW WORK IS COMPLIANT WITH THE 2016 CBC.
- J. ALL WORK SHOWN REFLECTS AS-BUILT MEASUREMENTS, HOWEVER, ANY NEW MODIFICATIONS SHALL REQUIRE FIELD VERIFICATION OF ALL DIMENSIONS SHOWN ON THIS PLAN PRIOR TO COMMENCING WORK.
- K. ALL DIMENSIONS ARE TO THE FACE OF METAL STUD UNLESS U.N.O.

**I.E. KEY NOTES**

- 01 NEW PAINT OVER GYPSUM BOARD PER SPEC SECTION 099123 - A. COLOR: DUNN-EDWARDS DE 6365 "COLD MORNING"
- 02 NEW WALL BASE: 4" COVE - PINNACLE RUBBER WALL BASE BY ROPPE - COLOR: "SLATE" -TYP.
- 03 AREA FOR NEW CREDENZA - BY OWNER
- 04 NEW SUSPENDED WOOD SLAT FLOATING CEILING CLOUD: ARMSTRONG "WOODWORKS GRILLE" 7265 W/ 5/8" SLATS @ 2.25" HT. SEE A-501
- 05 CONFERENCE ROOM 45"-90" NETWORK MONITOR/SMART TV BY OWNER - TO BE WIRED FOR INTERNET AND COMMUNICATION W/ VIDEO CONFERENCE CAPABILITIES. CENTER ON WALL AS SHOWN - SEE D4/8.01 FOR BACKING DETAILS.
- 06 LOCATION FOR IDEA PAINT PRO DRY-ERASE COATING. APPLY PER SPECS. DASHED LINES DELINEATE EXTENTS OF COATING - COLOR TO MATCH WALL PAINT.
- 07 NOT USED DRY-ERASE TRAY. ATLAS ALUMINUM MARKER TRAY WITH SQUARE CORNERS 2" LENGTH - ITEM #1-GR-AH05SC-02
- 08 NEW UPPER WALL CABINETS W/ ADJUSTABLE SHELVING - OWNER TO SELECT STYLE AND COLOR.
- 09 FULL SIZE REFRIGERATOR LOCATION - REFRIGERATOR BY OWNER
- 10 NEW BASE CABINETS W/ ADJUSTABLE SHELVING - OWNER TO SELECT STYLE AND COLOR.
- 11 COUNTER TOP & BACKSPLASH - SOLID SURFACE BY DUPONT - CORIAN "LAVA ROCK" PER SPECIFICATIONS - SEE INTERIOR ELEVATIONS
- 12 CUSTOM FIT SHELVING BY OWNER
- 13 KOHLER TAOHE LAVATORY #K-2890-4U (WHITE) UNDERCOUNTER MOUNT - SEE DETAIL D4/A-802 SEE PLUMBING PLANS
- 14 CHICAGO FAUCET #116.211.AB.1 (ELECTRONIC)
- 15 COUNTER TOP: SOLID SURFACE BY DUPONT - CORIAN "LAVA ROCK" PER SPECIFICATIONS OF 3/4" PLYWOOD SEE DETAIL D4/A-802
- 16 LOCKERS BY OWNER
- 17 ELKAY CROSSTOWN 16 GUAGE STAINLESS STEEL 30-3/4" x 18-1/2" x 8", EQUAL DOUBLE BOWL UNDERMOUNT SINK KIT - EFRU318DBG
- 18 MIXING VALVE LOCATION - 39" - 41" ABOVE SHOWER FLOOR
- 19 FLUSH MOUNTED SHOWER KIT: SINGLE STATION, WALL MOUNTED, ADA COMPLIANT. ACORN APEX MODEL 410BADA SERIES TYPE 1. SEE PLUMBING PLANS
- 20 SHOWER APPROVED ADA GRAB BAR
- 21 FOLDING SHOWER BENCH - ADA APPROVED
- 22 WALL TILE - ACT PORCELAIN #362 12" x 24". BEIGE OVER HardieBacker® WITH 6-MIL POLYETHYLENE MOISTURE BARRIER AT STUDS FOR SHOWER LOCATIONS PER SPECIFICATIONS
- 23 FLOOR TILE: AMERICAN OLEAN "SHADOW BAY", 12" x 12". SEA GRASS. SH52 - SEE SPECIFICATIONS ON THINSET
- 24 CHICAGO FAUCETS WBD-DB6AE1-369 ABCP WORKBOARD FAUCET, 8"
- 25 STAINLESS STEEL SHOWER HOOKS
- 26 MIRROR - BRADLEY STANDARD MODEL 781-1836
- 27 WAXIE "CLEAN & SOFT" #850593 TOWEL DISPENSER SURFACE MOUNT (SUPPLIED BY VENTURA COLLEGE)
- 28 GEORGIA PACIFIC #56508 SOFTPULL TOILET TISSUE DISPENSER - INSTALL BY CONTRACTOR
- 29 GEORGIA PACIFIC #57710 SAF-T-GARD TOILET SEAT COVER DISPENSER - INSTALL BY CONTRACTOR
- 30 BOBRICK CLASSIC SERIES #B-2888 TOILET TISSUE DISPENSER - SURFACE MOUNT (AT ACCESSIBLE TOILET STALLS)
- 31 3/4" X 1 1/2" DIAM. STAINLESS STEEL GRAB BAR @ 33"-36" A.F.F. (DISABLED ACCESS)
- 32 48" HEIGHT "SCAFCO STEEL PONYWALL SUPPORT" (DASHED) CONNECTED TO FABRICATED STEEL FLAT STOCK SUPPORT ASSEMBLY - SEE DETAIL D4/A-802 & SPECIFICATIONS FOR ANCHORING

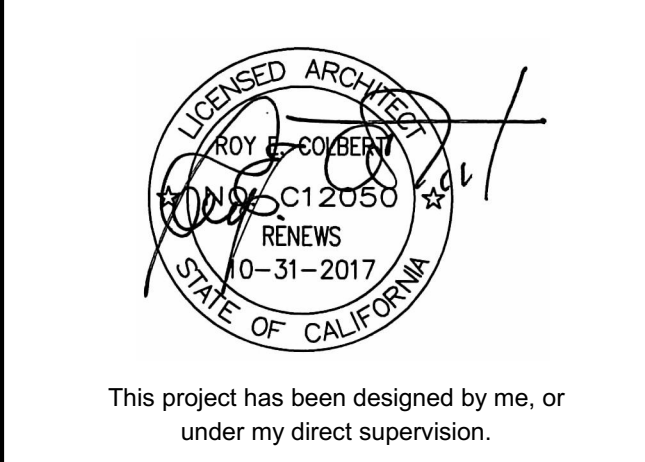
REVISIONS / DESCRIPTION	DATE	BY
GENERAL UPDATE PER JMR REVIEW	AUG 11, 2017	SES REC
ADDR RELATED DWGS ADA + IE FINAL CONSTRUCTION SUBMITTAL	AUG 31, 2017	SES REC

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
ALL RIGHTS RESERVED  
THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS RESULTING FROM THAT DATA. BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS AND THE INCORPORATED IDEAS AND DESIGNS, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**

ARCHITECTURE  
PLANNING  
DESIGN

1997 E. MAIN STREET  
VENTURA, CA 93001  
805 / 650 9590 PH  
805 / 650 9589 FX  
roeb@sboglobal.net  
CALIFORNIA C12050  
N.C.A.R.B.



VENTURA COUNTY  
COMMUNITY COLLEGE  
DISTRICT

VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

DEPARTMENT OF  
MAINTENANCE &  
OPERATIONS  
4900 Loma Vista Road  
Ventura, CA 93003

**PROJECT DIRECTORY**

**ELECTRICAL ENGINEERING:**  
Lucci & Associates  
3551 Corte Molgasso #511  
Camarillo, CA 93012  
Ken Lucci  
(805) 389-6520 x230 Office

**HVAC MECHANICAL / PLUMB ENGINEER:**  
AVE GROUP  
838 East Front Street  
Ventura, CA 93001  
Hugh McTernan  
Phone 805.653.1722

**FIRE PROTECTION ENGINEER:**  
Jock Collings, F.P.E.  
Collings & Associates LLC  
260 Maple Court, Suite 241  
Ventura, CA 93003  
(805) 658-0003  
jcollings@collingsandassociates.com

VENTURA COLLEGE  
MAINTENANCE & OPERATIONS  
INTERIOR TENANT IMPROVEMENT  
BUILDING C

**INTERIOR  
ELEVATIONS**

SHEET NAME: \_\_\_\_\_

DATE: 10 JULY 2017

SCALE: AS SHOWN DRAWN BY: SES

C16- 013 P 0107586

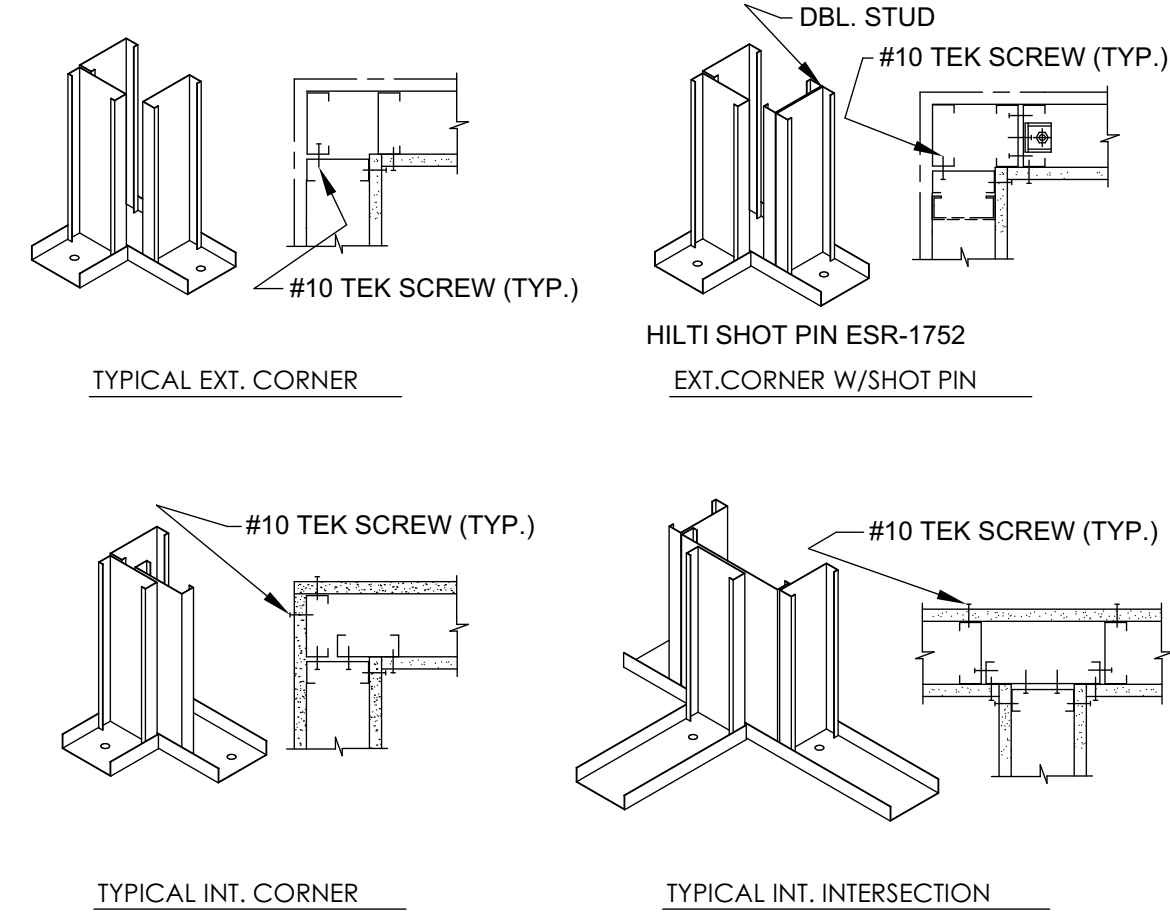
ARCHITECT PROJECT #: \_\_\_\_\_ VCCCD PROJECT #: \_\_\_\_\_

**A-703**

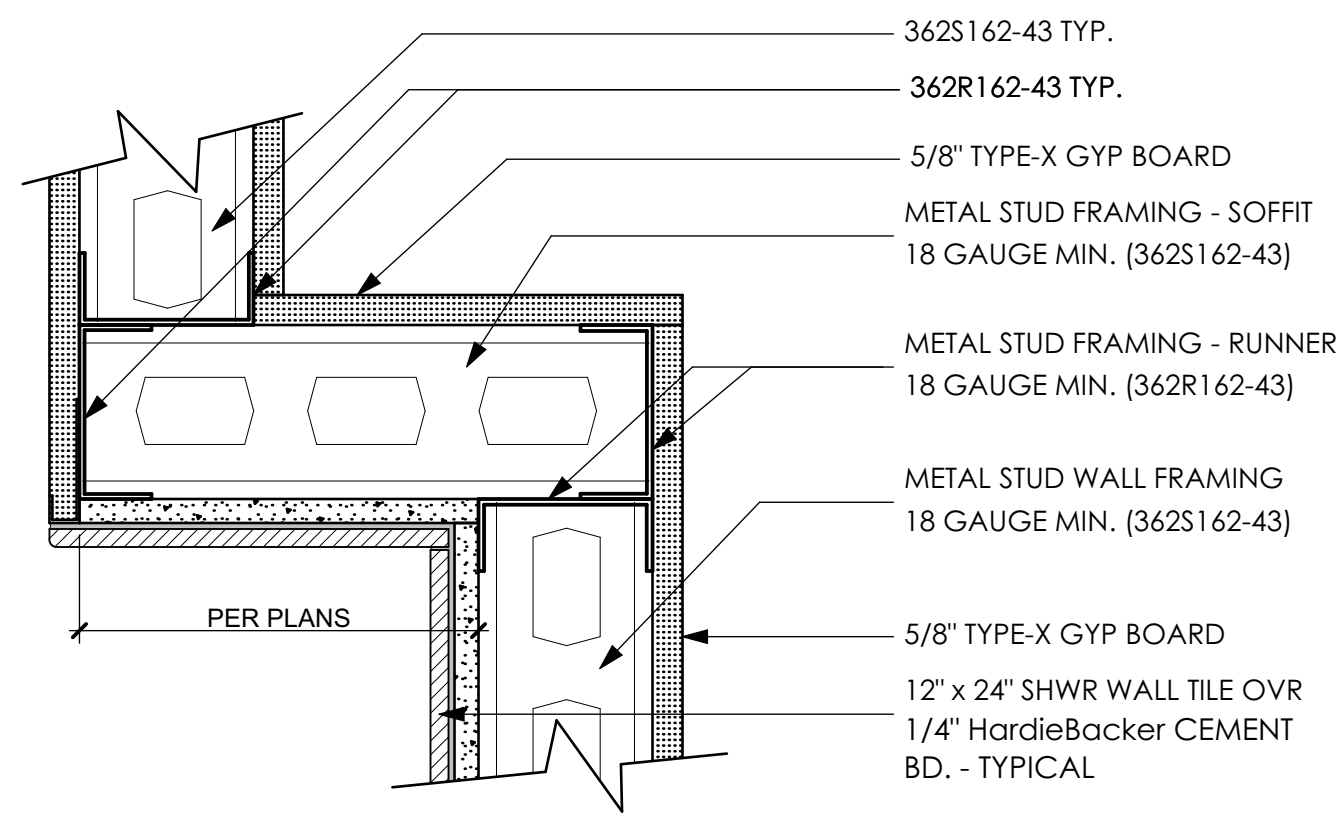
SHEET NUMBER: \_\_\_\_\_ OF \_\_\_\_\_ SHEETS

ISSUED FOR CONSTRUCTION

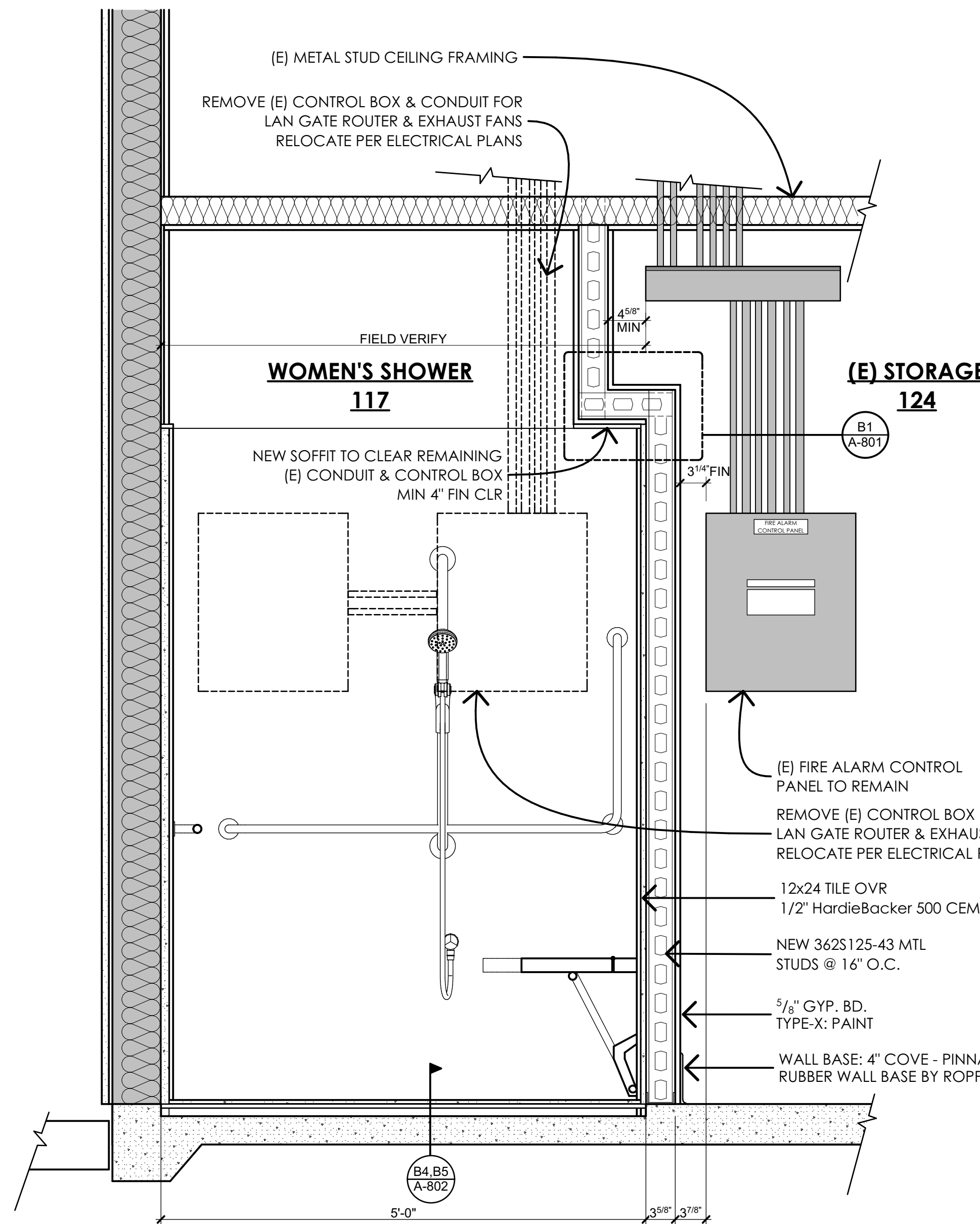




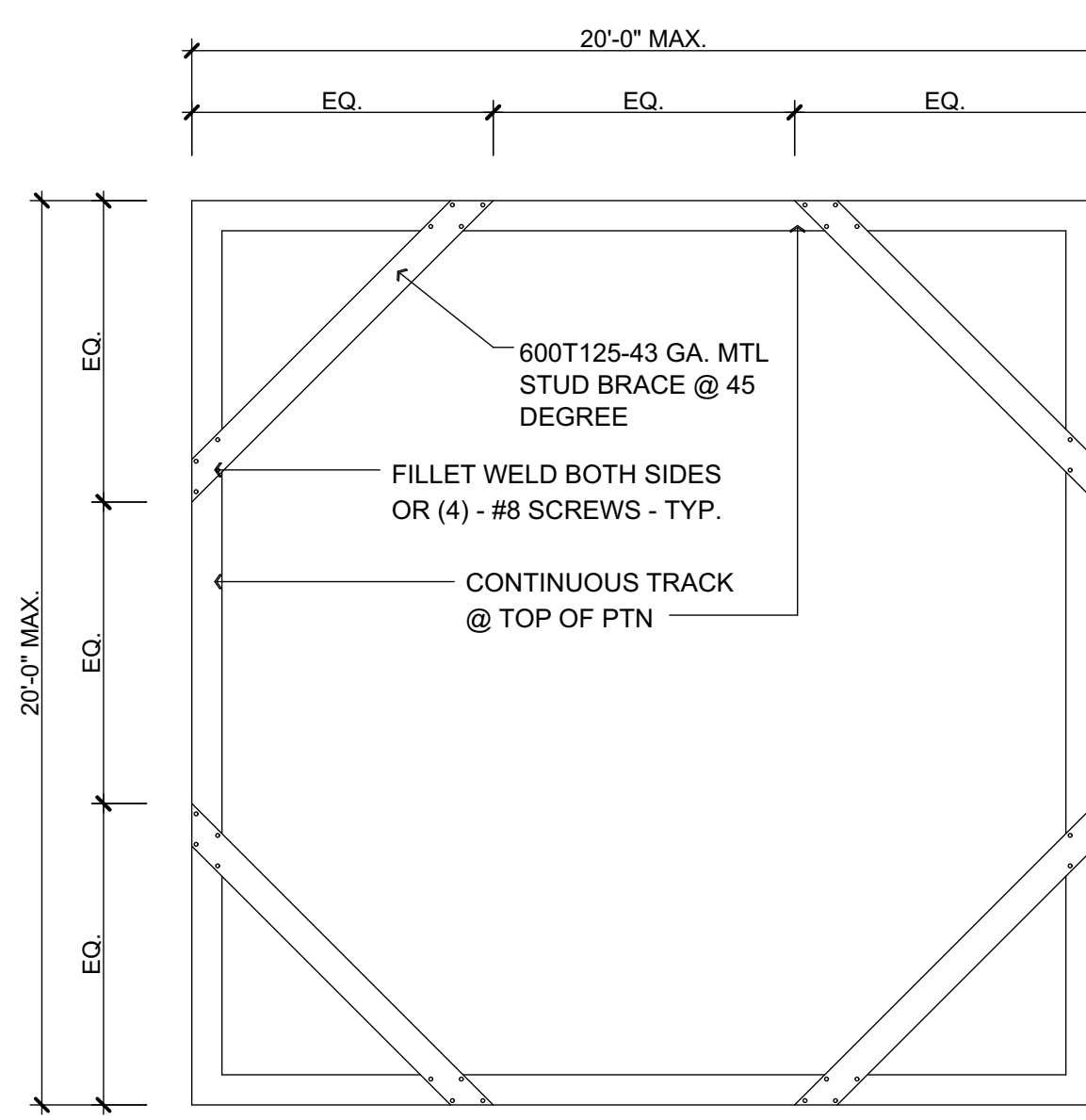
**A1** TYPICAL MTL STUD CORNER DTL  
NOT TO SCALE



**B1** SOFFIT @ WMN SHWR  
SCALE: 3/4" = 1'-0"



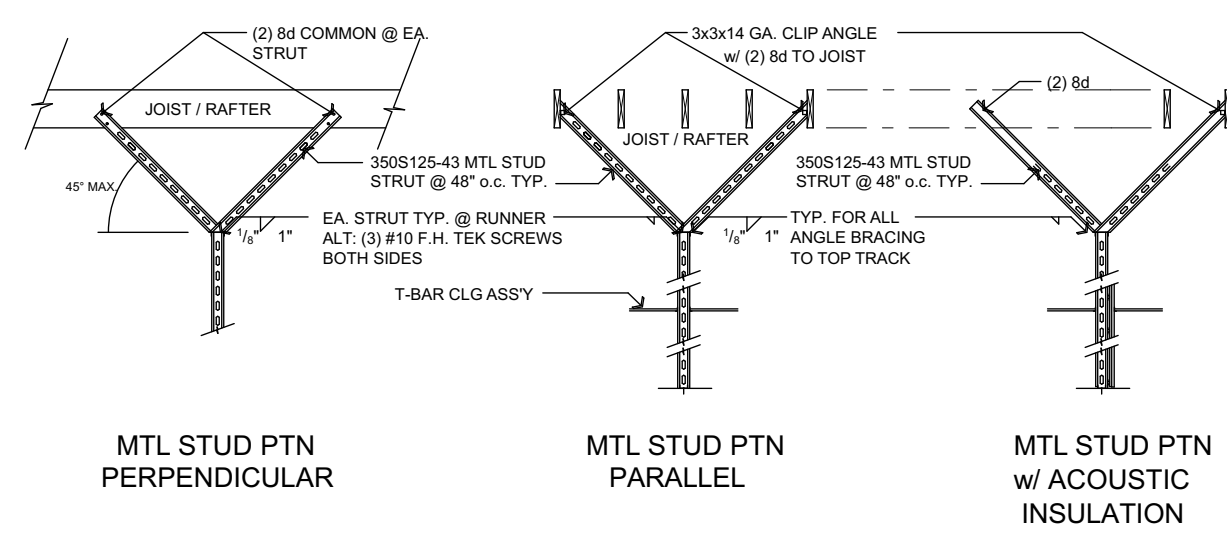
**B2** WALL X-SCTN @ WMN SHWR  
SCALE: 1" = 1'-0"



DTL OF PARTITION BRACING @ TOP RUNNER

SIZE	SPACING	SPAN
3/8" x 1 1/4" x 18 GA	@ 24" O.C.	7'-6"
3/8" x 1 1/4" x 18 GA	@ 16" O.C.	7'-6"
6" x 1 1/4" x 18 GA	@ 24" O.C.	13'-0"
6" x 1 1/4" x 18 GA	@ 16" O.C.	13'-0"

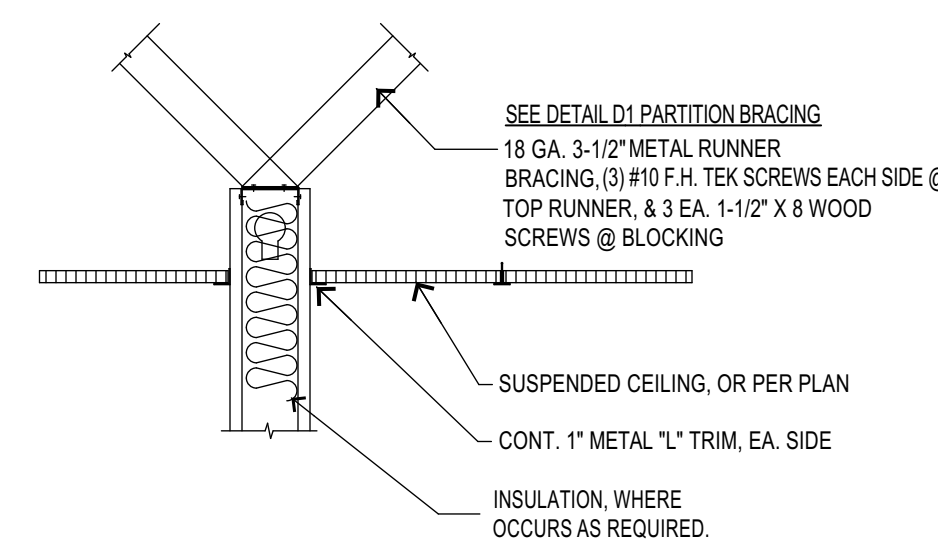
**D1** PARTITION BRACING DETAILS  
SCALE: 1/4" = 1'-0"



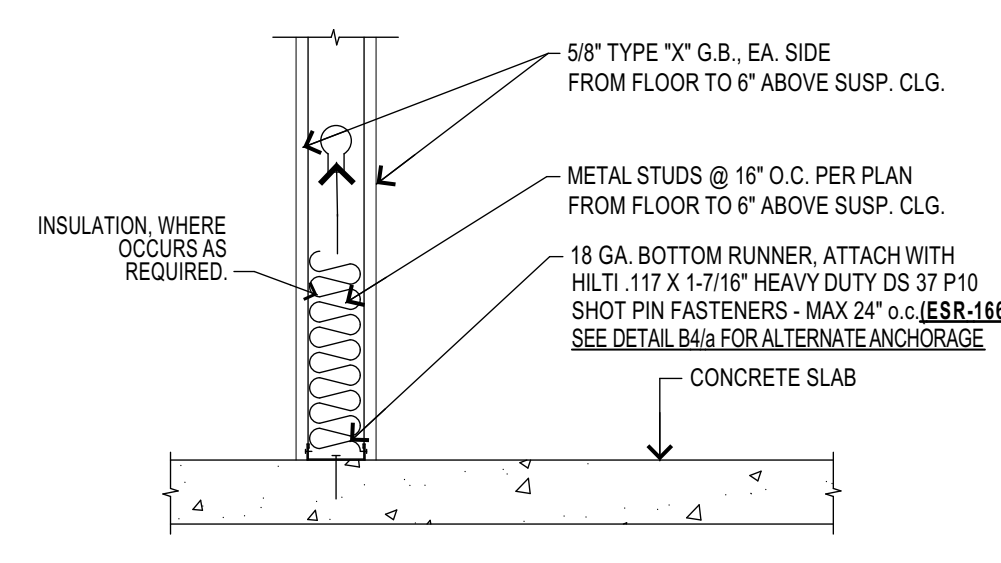
**ALTERNATE ALLOWABLE STUD PARTITION BRACING DETAILS**  
MINIMUM BRACING SHALL BE 350S125-43 METAL STUDS @ 48" O.C. @ 45 DEG. FROM HORIZONTAL FROM TOP TRACK (RUNNER) TO STRUCTURE ABOVE. THIS BRACING IS REQUIRED WHERE HORIZONTAL SPAN IS 8'-0" OR GREATER. MAXIMUM VERTICAL DISTANCE FROM TOP OF PARTITION TO STRUCTURE ABOVE IS NO GREATER THAN 6'-0".  
ANCHOR BOTTOM TRACK (SILL PLATE) TO CONCRETE SLAB FLOOR WITH HILTI SHOT PINS @ 24" O.C. (ESR-1663)

SIZE	SPACING	SPAN
2 1/2" x 1 1/4" x 18 GA	250S125-43 @ 12" O.C.	11'-11"
2 1/2" x 1 1/4" x 18 GA	250S125-43 @ 16" O.C.	11'-11"
2 1/2" x 1 1/4" x 18 GA	250S125-43 @ 24" O.C.	11'-11"
3/8" x 1 1/4" x 18 GA	362S125-43 @ 12" O.C.	15'-4"
3/8" x 1 1/4" x 18 GA	362S125-43 @ 16" O.C.	14'-4"
3/8" x 1 1/4" x 18 GA	362S125-43 @ 24" O.C.	13'-5"
4" x 1 1/4" x 18 GA	400S125-43 @ 12" O.C.	16'-5"
4" x 1 1/4" x 18 GA	400S125-43 @ 16" O.C.	15'-4"
4" x 1 1/4" x 18 GA	400S125-43 @ 24" O.C.	14'-2"

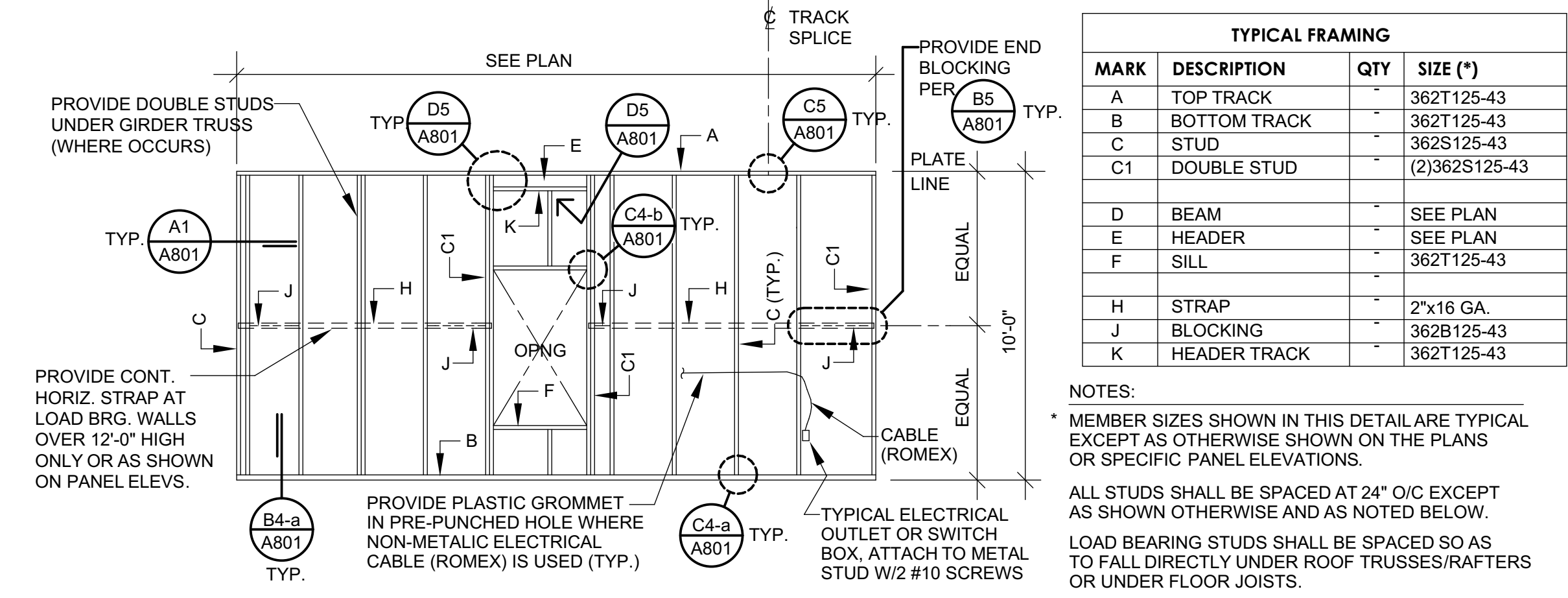
**C3** PARTITION WALL @ SUSP. CLNG.  
SCALE: 1/4" = 1'-0"



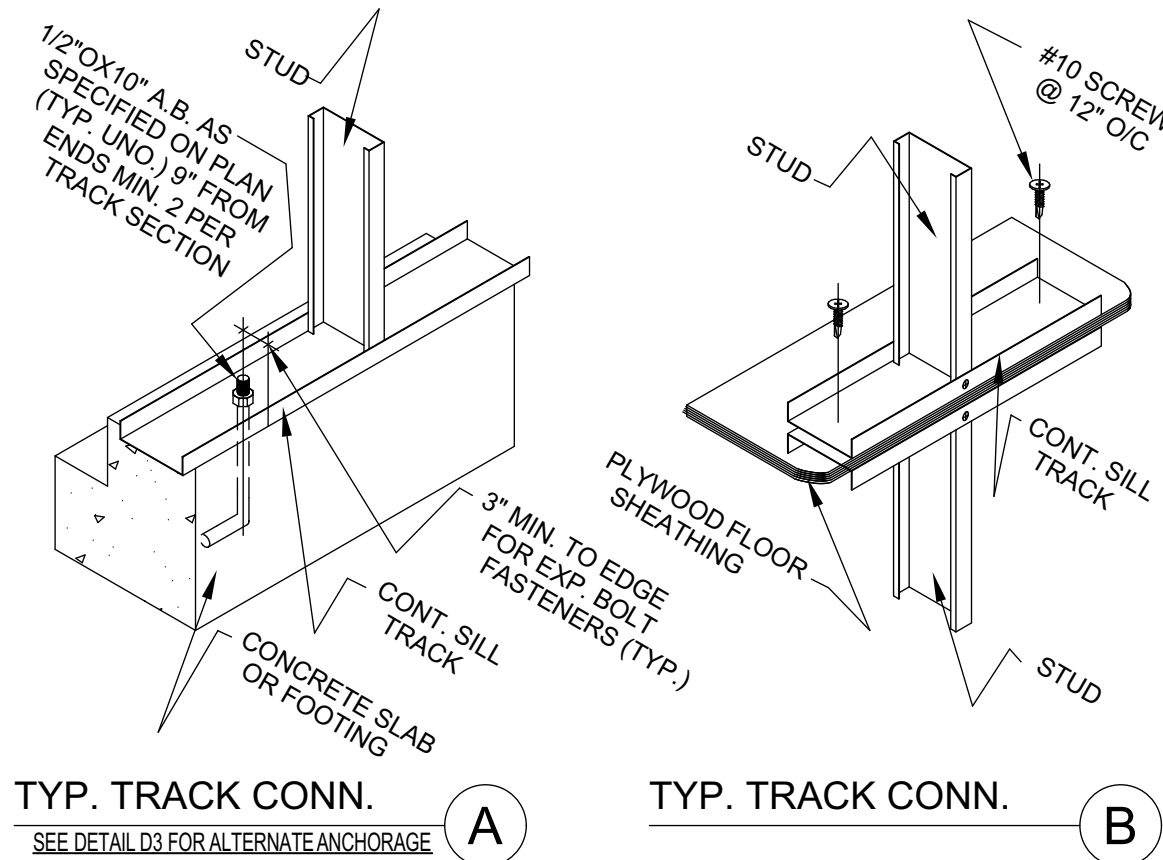
**D3** PARTITION WALL at BASE  
SCALE: 1 1/2" = 1'-0"



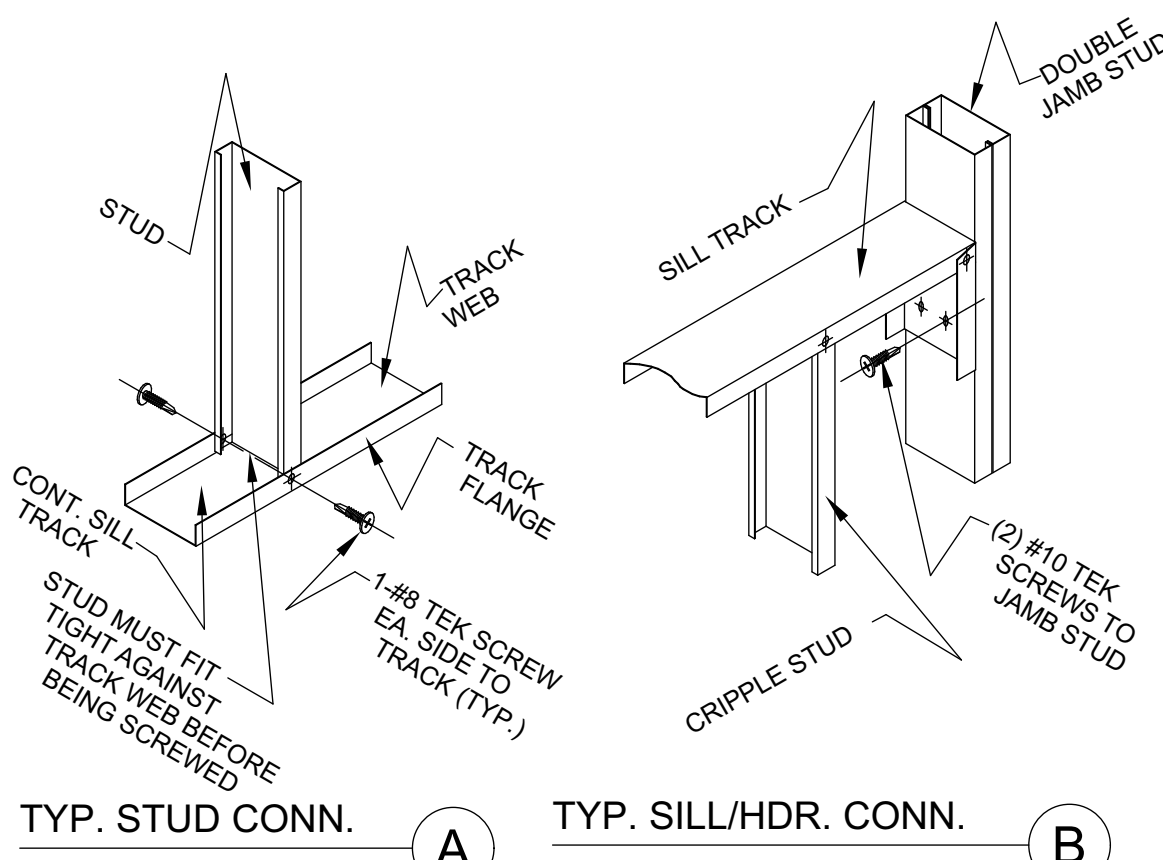
**A4** TYPICAL MTL STUD PANEL ELEVATION  
NOT TO SCALE



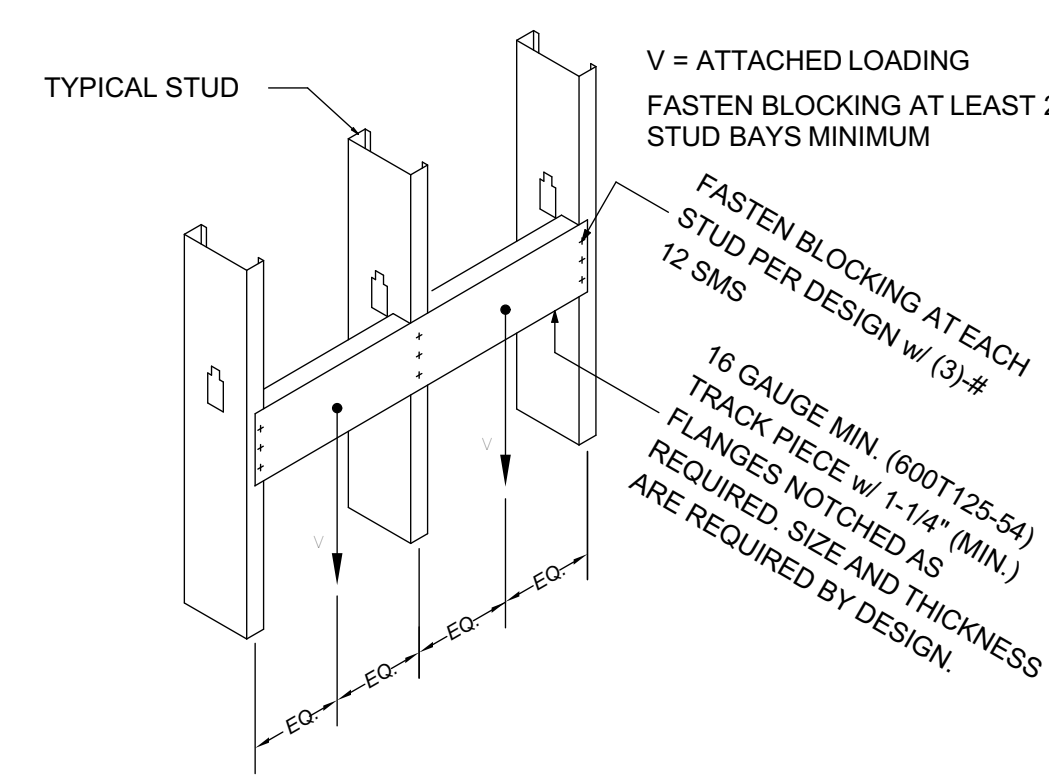
**B4** TYP. TRACK ANCHORAGE  
NOT TO SCALE



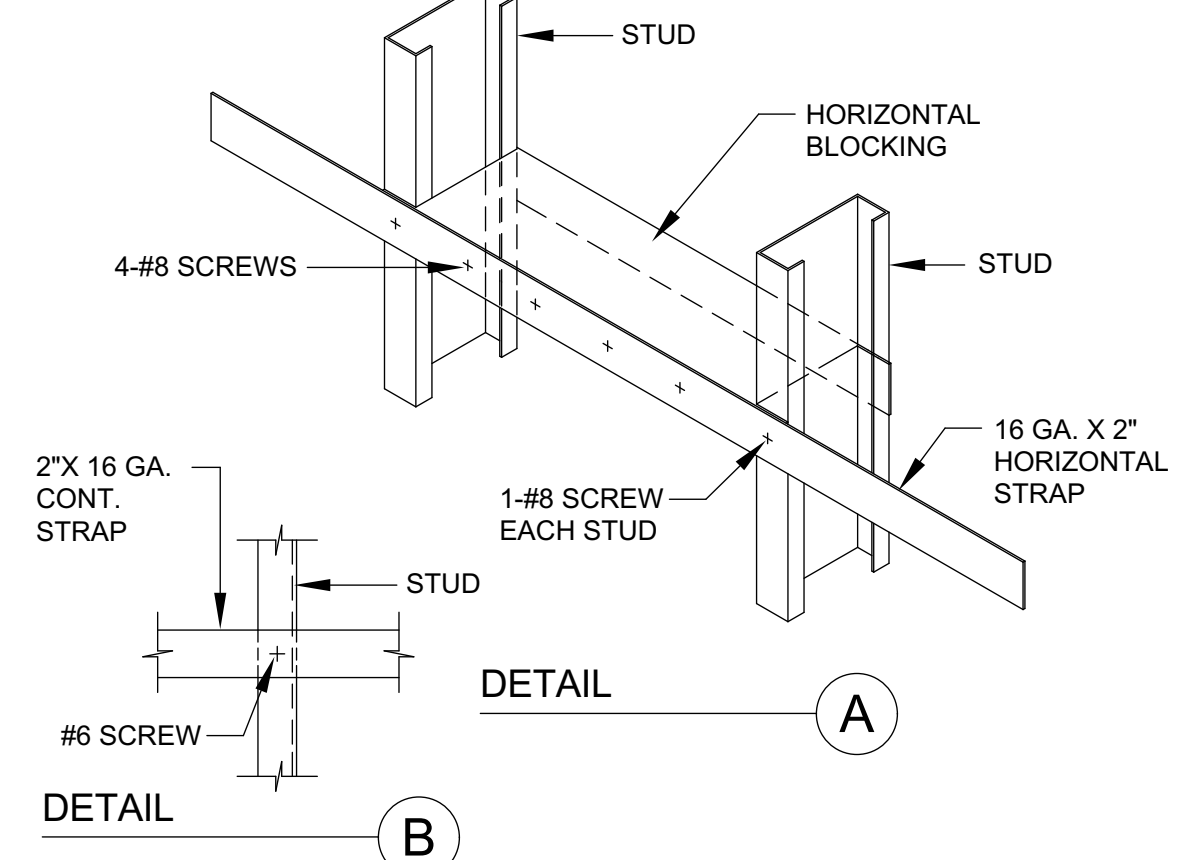
**C4** MTL STUD DETAILS  
NOT TO SCALE



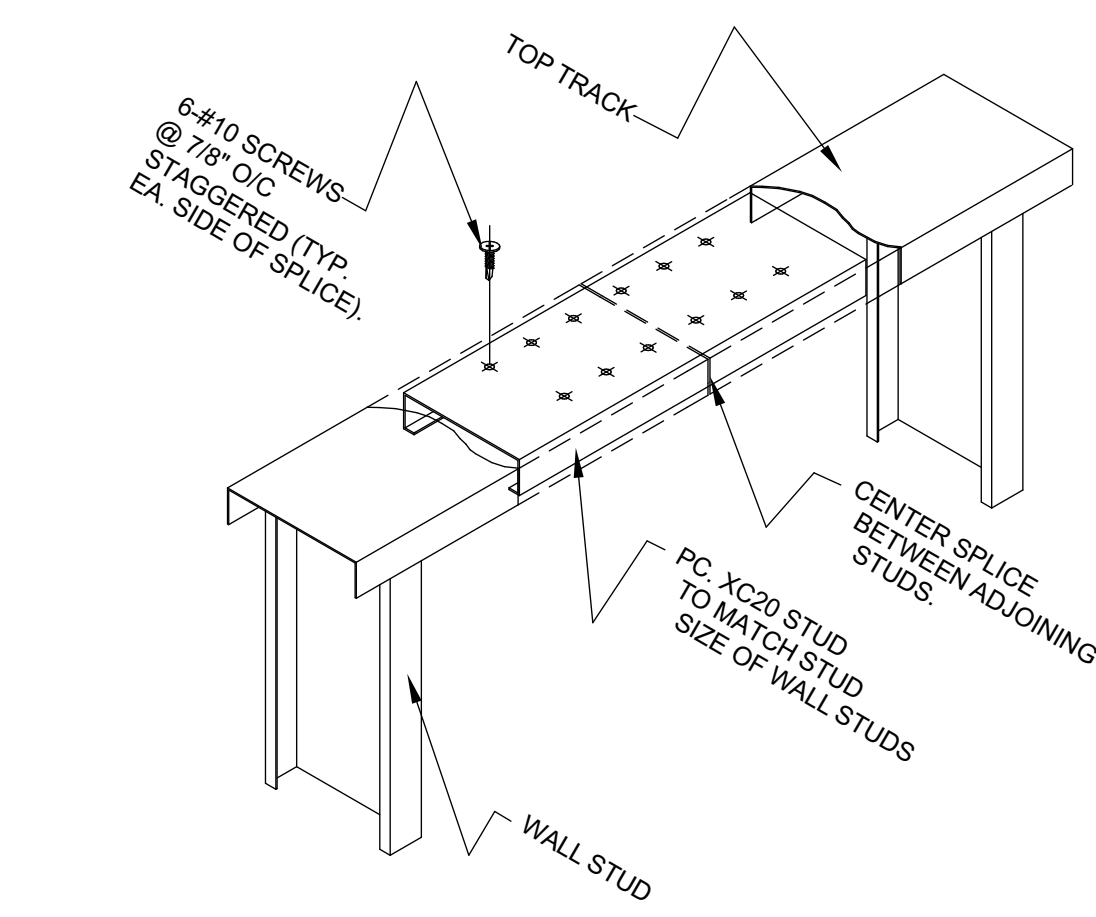
**D4** BACKING PLATE DETAIL  
NOT TO SCALE



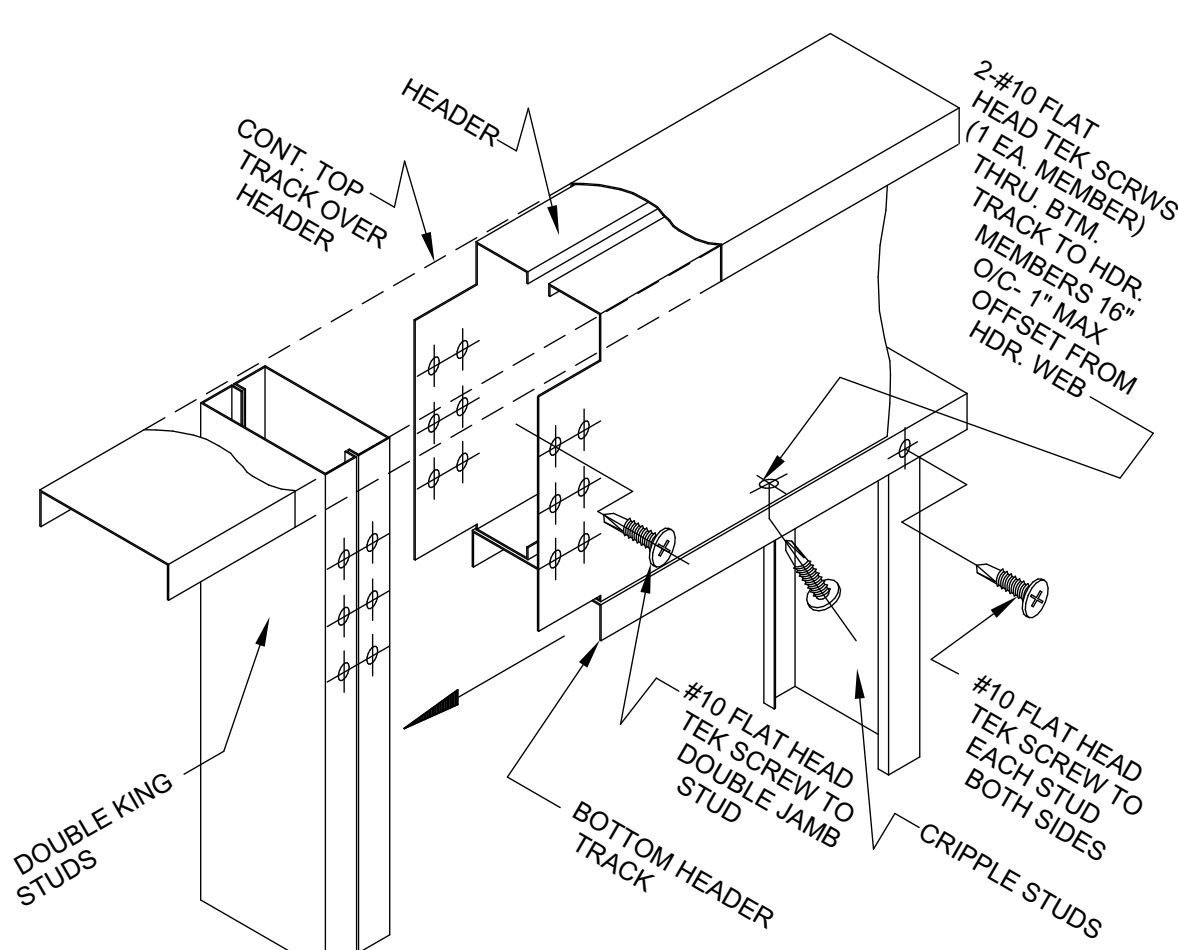
**B5** HORIZ. BRACING DETAILS  
NOT TO SCALE



**C5** TYP. TOP TRACK SPLICE  
NOT TO SCALE



**D5** TYP. HEADER CONNECTION  
NOT TO SCALE



REVISIONS / DESCRIPTION	DATE	BY
GENERAL UPDATE PER JMR REVIEW	AUG 11, 2017	SES REC
ADDR RELATED DWGS ADA + IE FINAL CONSTRUCTION SUBMITTAL	AUG 31, 2017	SES REC

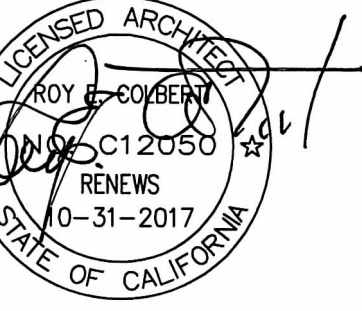
**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
ALL RIGHTS RESERVED  
THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS. REVISING FROM THAT DATA BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS AND THE INCORPORATED IDEAS AND DESIGNS CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS IN WHOLE OR IN PART SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**

ARCHITECTURE  
PLANNING  
DESIGN

1997 E. MAIN STREET  
VENTURA, CA 93001

805 / 650 9590 PH  
805 / 650 9589 FX  
roeb@sbcglobal.net  
CALIFORNIA C12050  
N.C.A.R.B.



This project has been designed by me, or under my direct supervision.

VENTURA COUNTY  
COMMUNITY COLLEGE  
DISTRICT

VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

DEPARTMENT OF  
MAINTENANCE &  
OPERATIONS  
4900 Loma Vista Road  
Ventura, CA 93003

**PROJECT DIRECTORY**

**ELECTRICAL ENGINEER:**  
Lucci & Associates  
3551 Corbin Meadows #511  
Cambridge, CA 93012  
Ken Lucci  
(805) 389-6520 x230 Office

**HVAC MECHANICAL / PLUMB ENGINEER:**  
A/E GROUP  
838 East Front Street  
Ventura, CA 93001  
Hugh McTernan  
Phone 805.653.1722

**FIRE PROTECTION ENGINEER:**  
Joek Collings, F.P.E.  
Collings & Associates LLC  
240 Maple Court, Suite 241  
Ventura, CA 93003  
(805) 658-0003  
jcollings@collingsandassociates.com

VENTURA COLLEGE  
MAINTENANCE & OPERATIONS  
INTERIOR TENANT IMPROVEMENT  
BUILDING C

**DETAILS & WALL  
SECTIONS**

10 JULY 2017

DATE: AS SHOWN SES  
SCALE: DRAWN BY: P 0107586

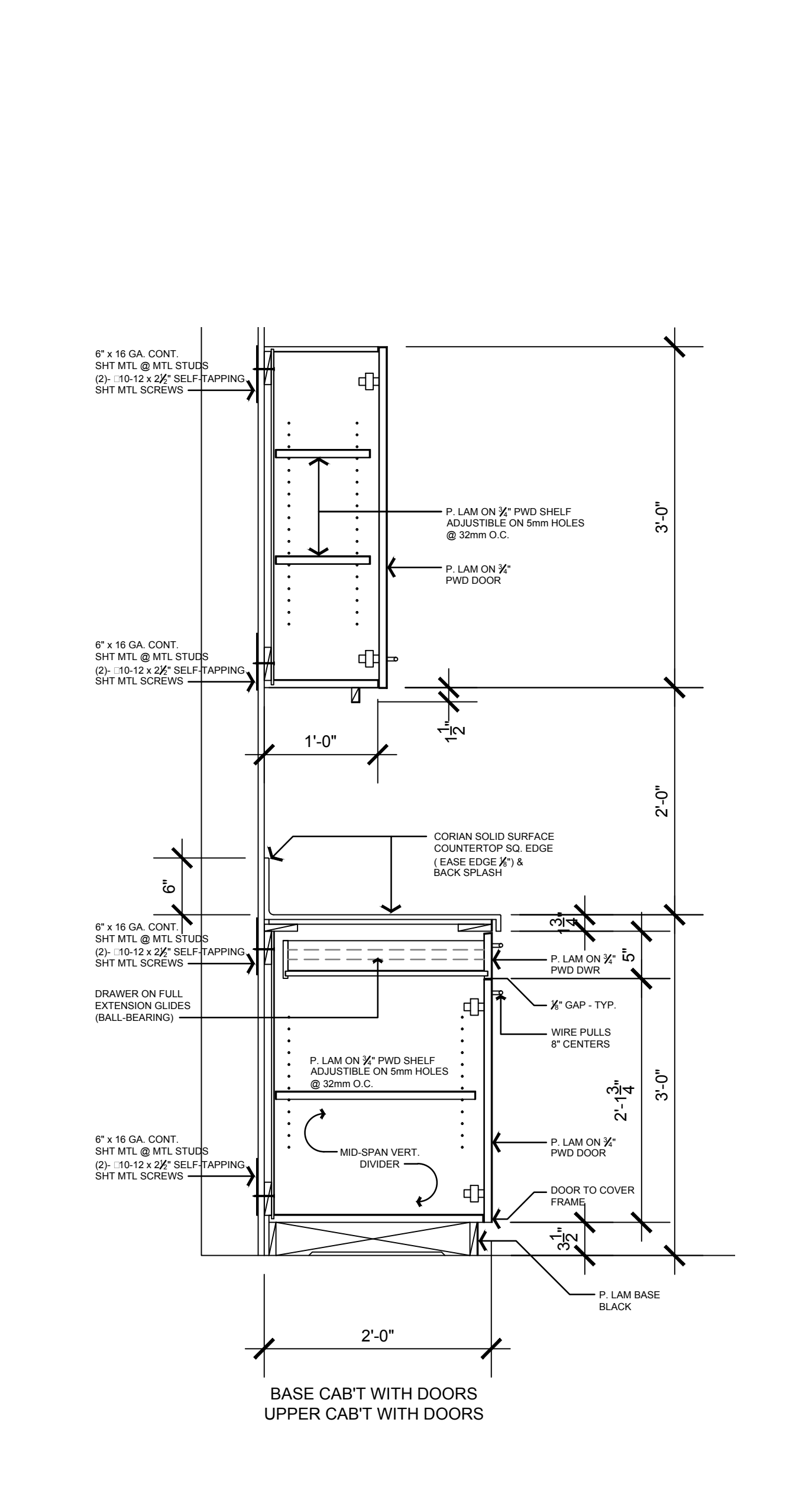
ARCHITECT PROJECT #: VCCCD PROJECT #:

**A-801**

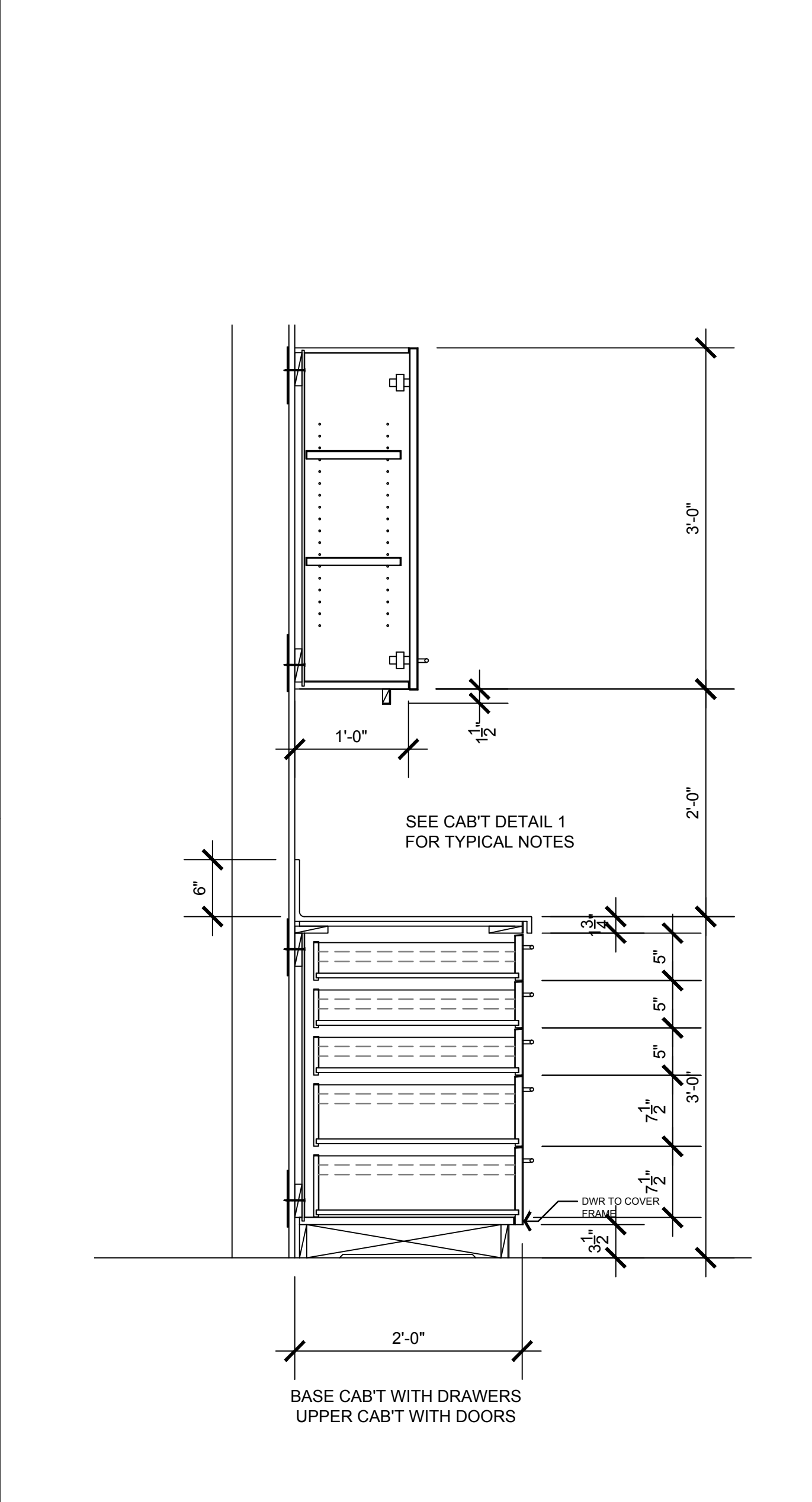
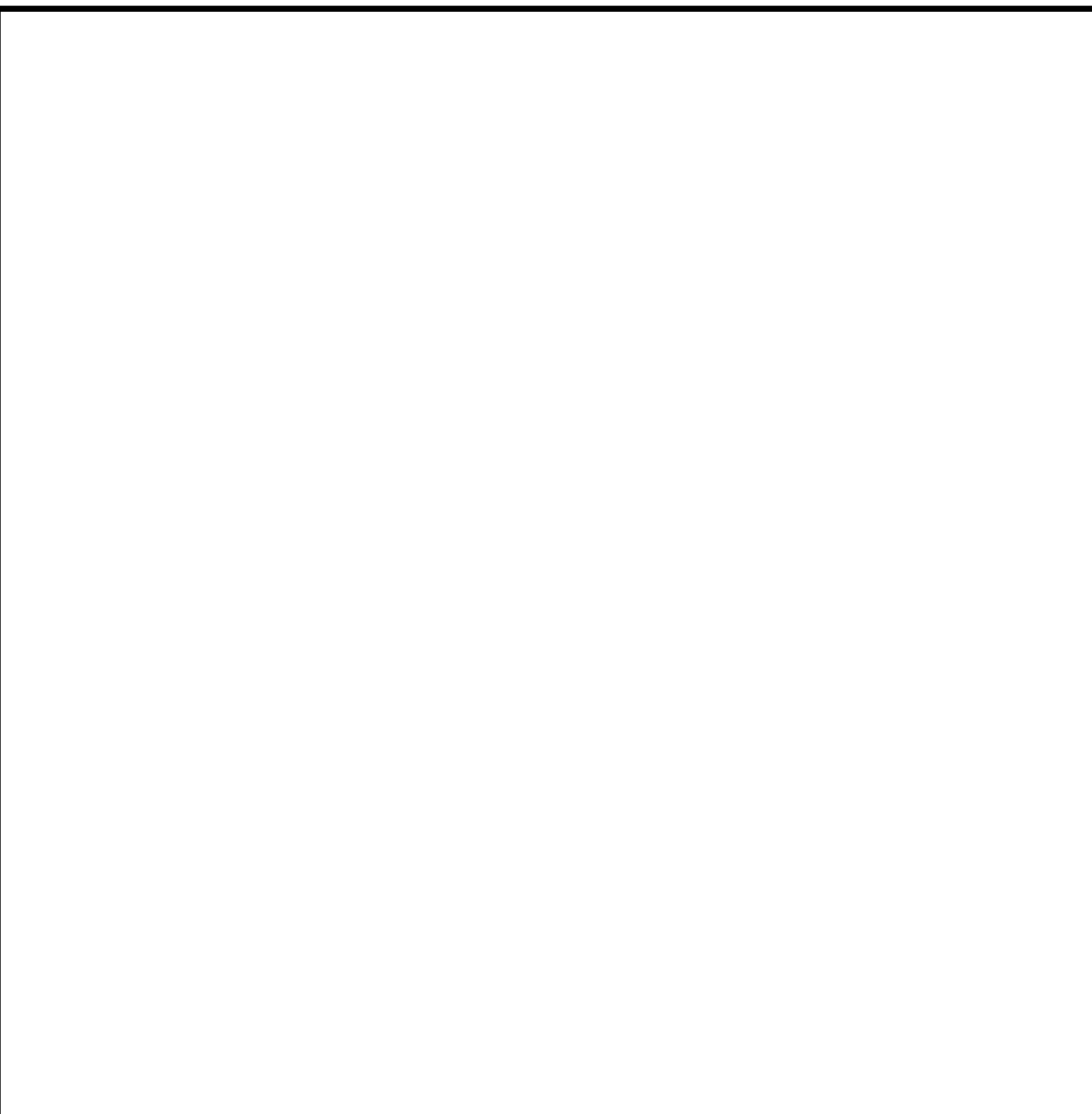
SHEET NUMBER: OF SHEETS

THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS

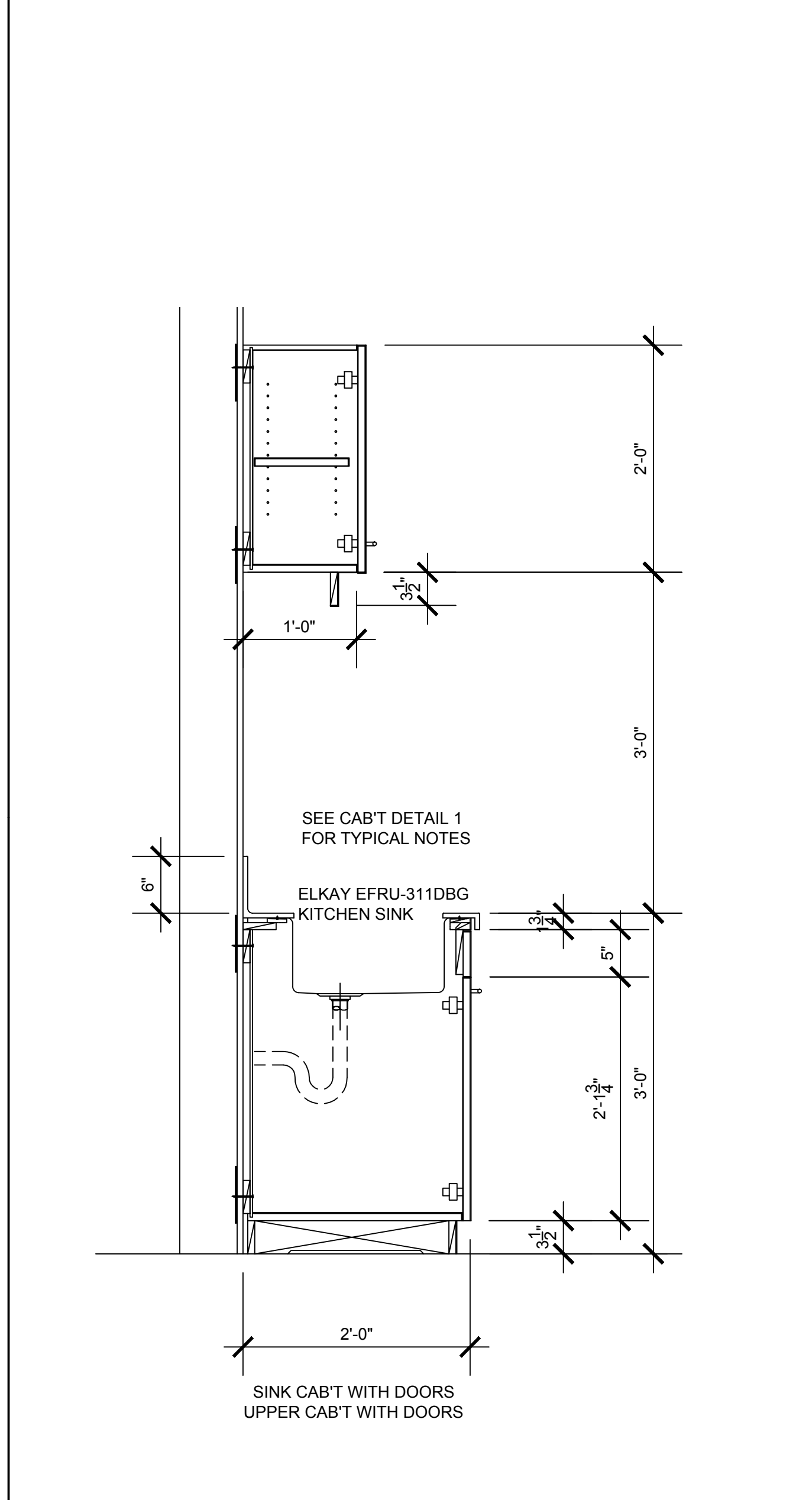
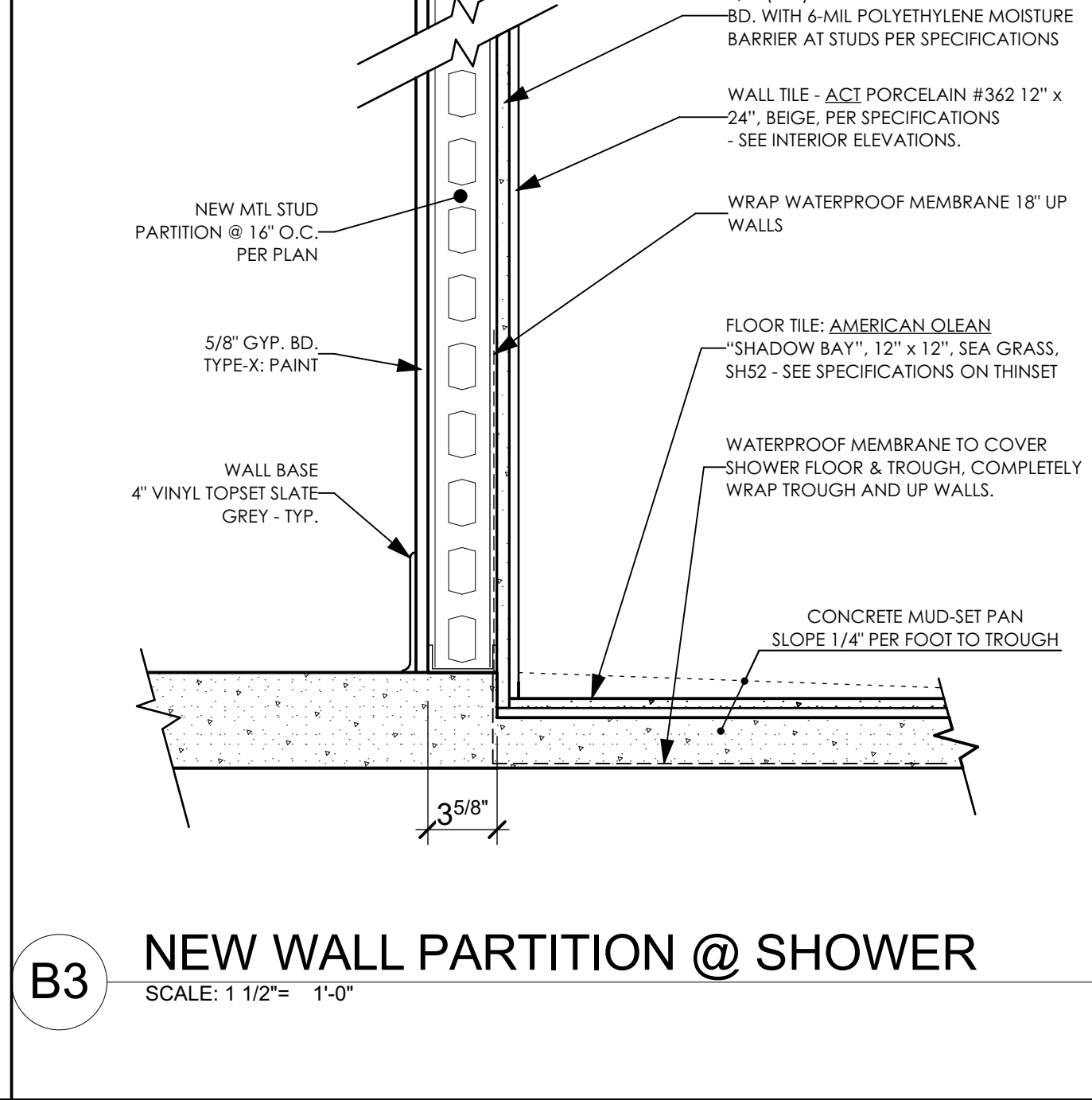
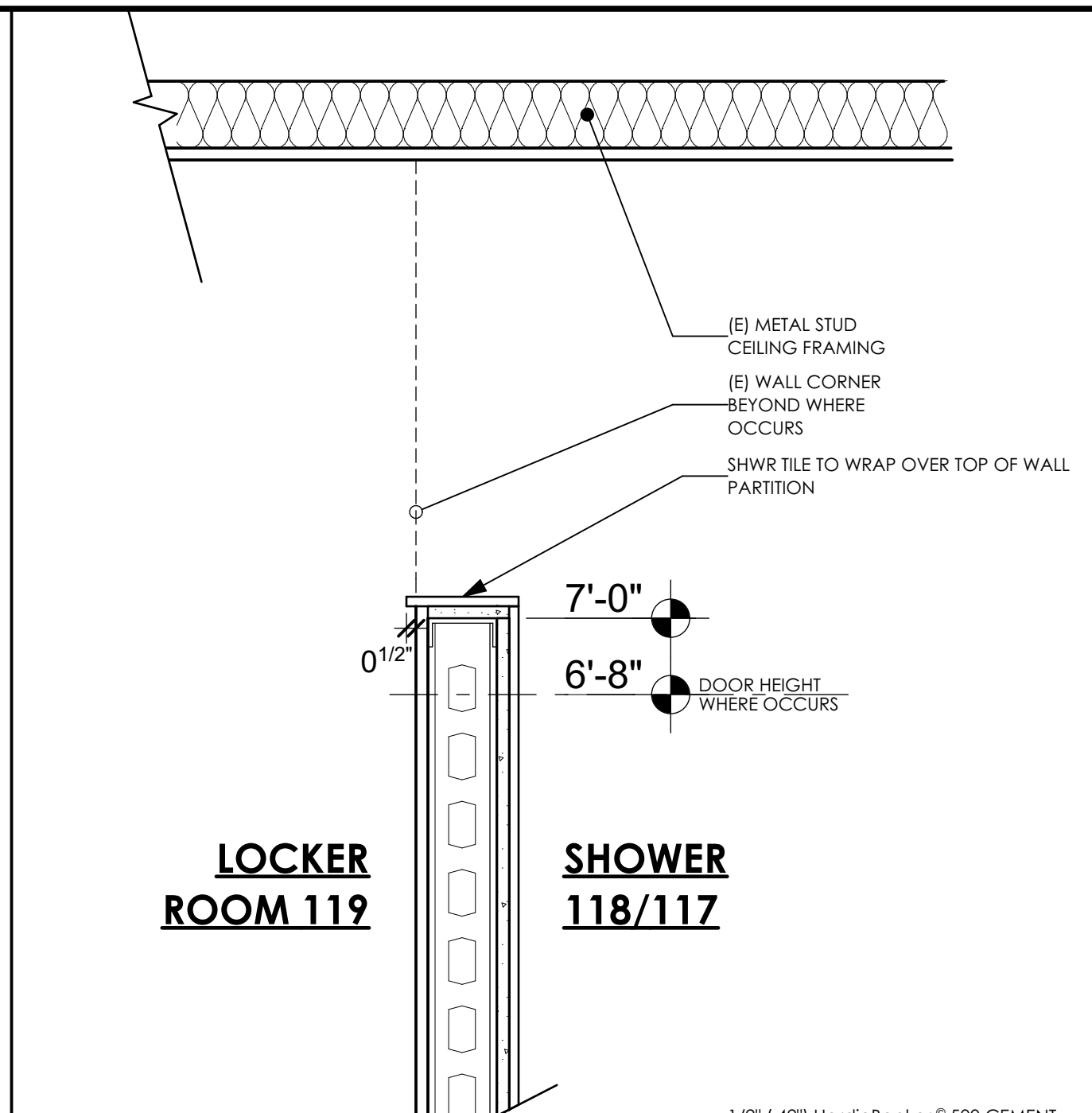
ISSUED FOR CONSTRUCTION



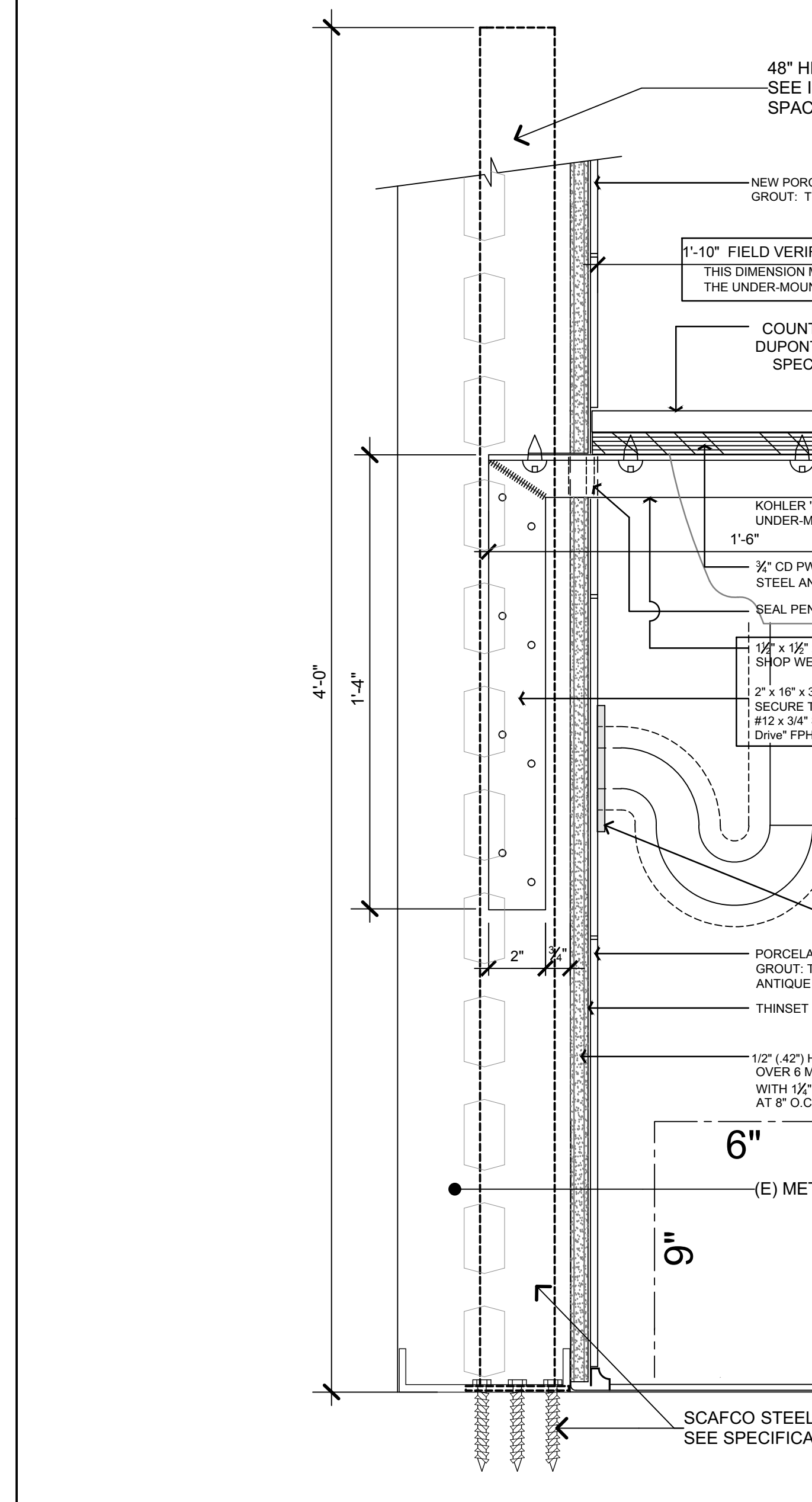
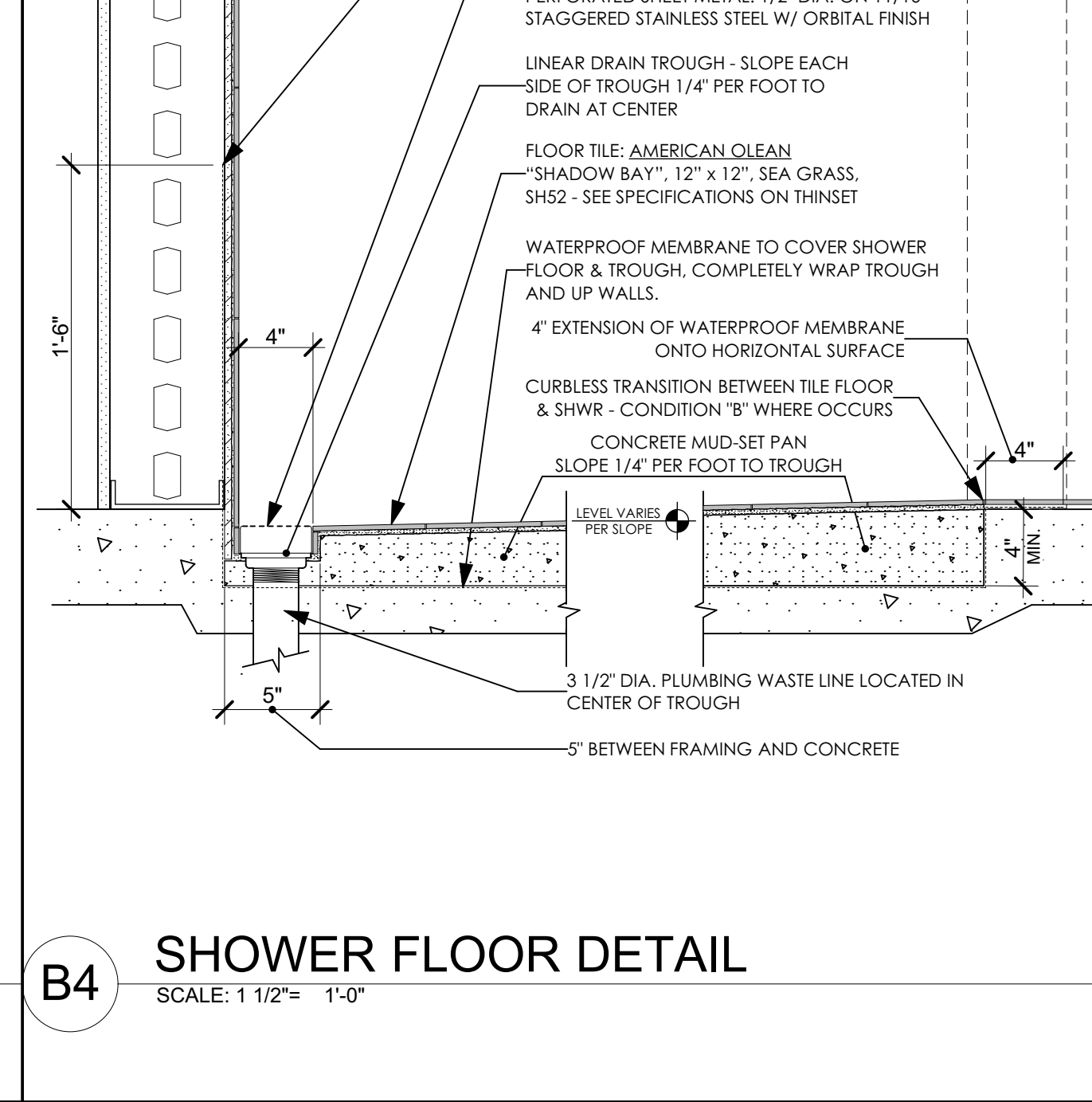
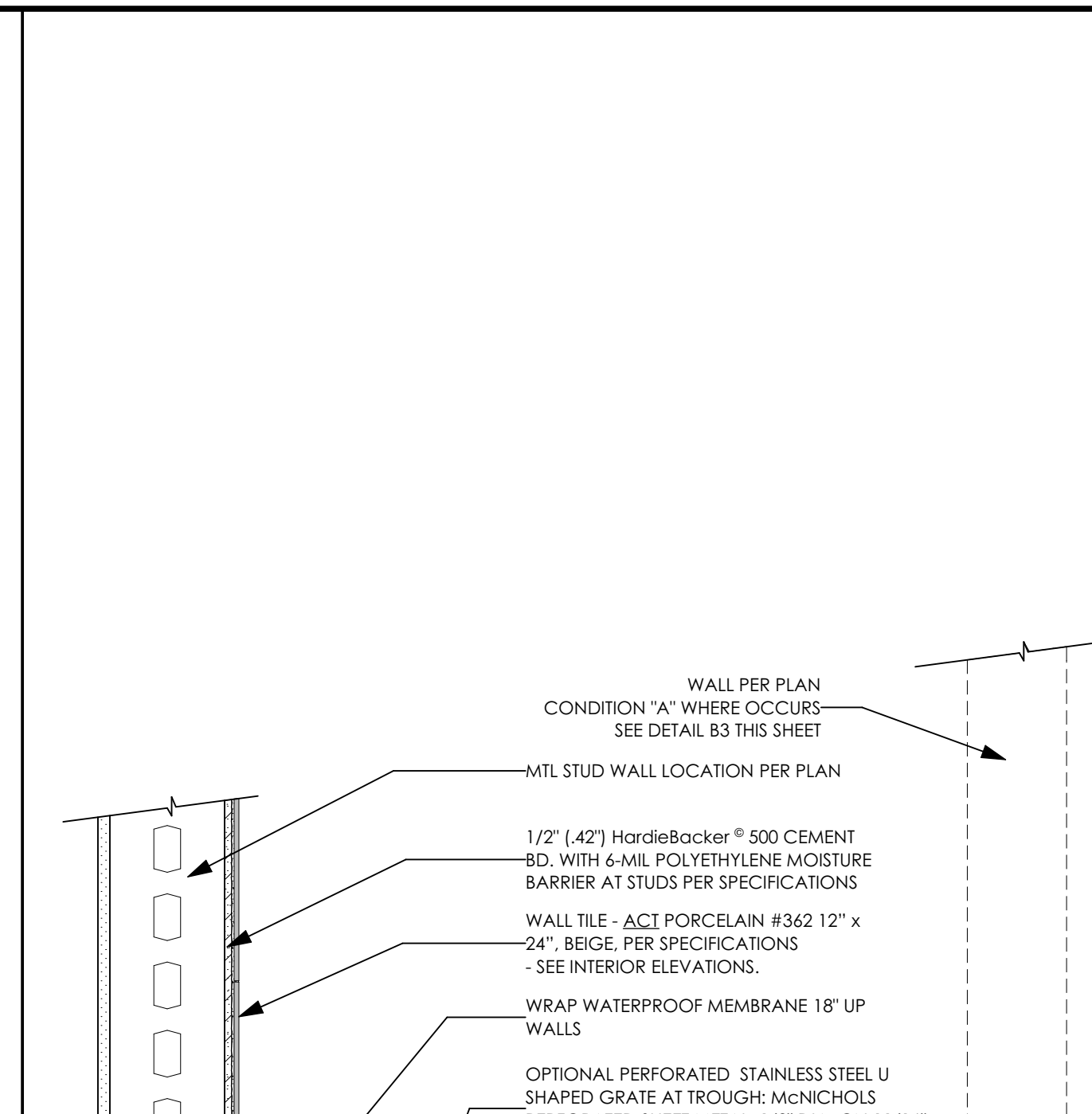
D1 CABINET DETAIL - BREAK ROOM  
SCALE: 1" = 1'-0"



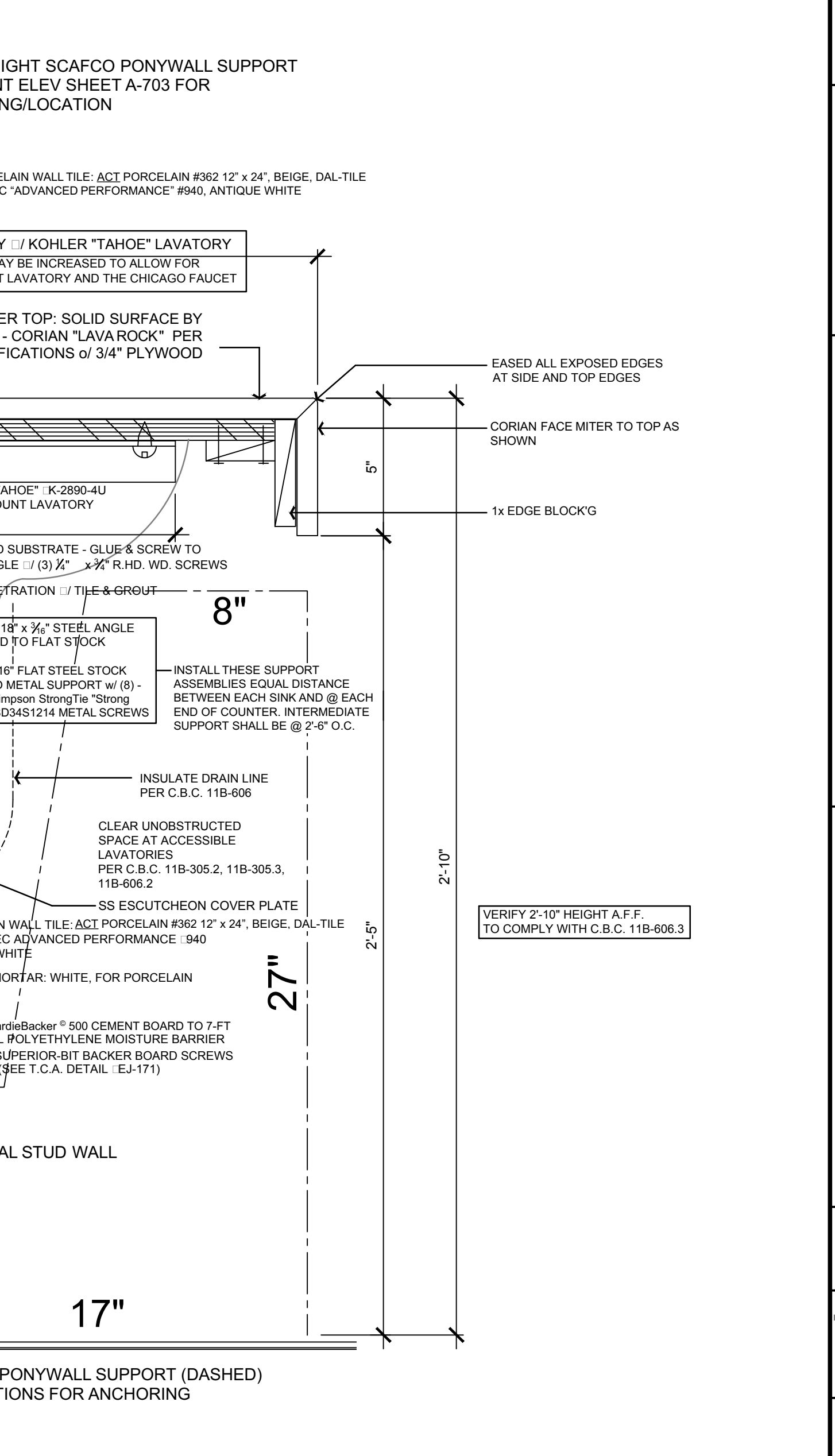
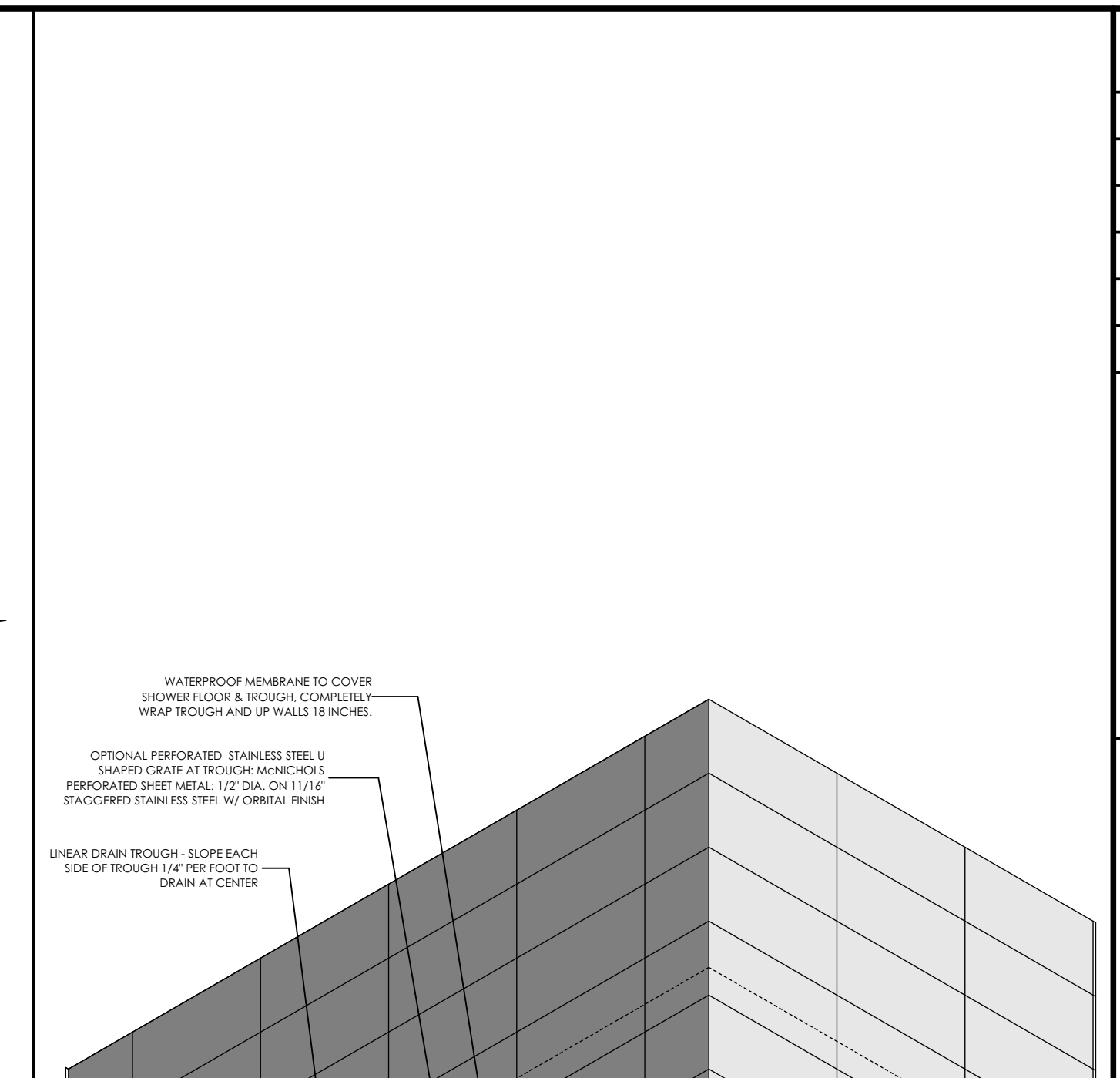
D2 CABINET DETAIL - BREAK ROOM  
SCALE: 1" = 1'-0"



D3 CABINET DETAIL - BREAK ROOM  
SCALE: 1" = 1'-0"



D4 H.C. COUNTER TOP SUPPORT DETAIL - TYPICAL  
SCALE: 3/8" = 1'-0"

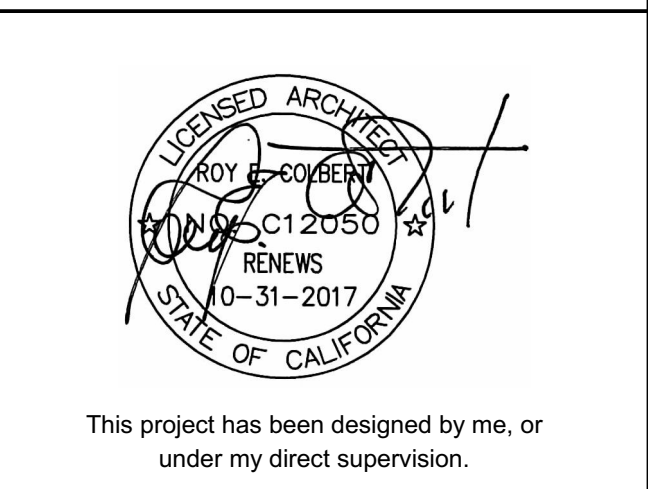


D4 H.C. COUNTER TOP SUPPORT DETAIL - TYPICAL  
SCALE: 3/8" = 1'-0"

REVISIONS / DESCRIPTION	DATE	BY
GENERAL UPDATE PER JM REVIEW	AUG 11, 2017	SES
ADD RELATED DWGS ADA + IE	AUG 31, 2017	SES
FINAL CONSTRUCTION SUBMITTAL		

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
ALL RIGHTS RESERVED  
THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS, RESULTING FROM THAT DATA, BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS, AND THE INCORPORATED IDEAS AND DESIGNS, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
ARCHITECTURE  
PLANNING  
DESIGN  
1997 E. MAIN STREET  
VENTURA, CA 93001  
805 / 650 9590 PH  
805 / 650 9589 FX  
roeb@sboglobal.net  
CALIFORNIA C12050  
N.C.A.R.B.



VENTURA COUNTY  
COMMUNITY COLLEGE  
DISTRICT  
VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

DEPARTMENT OF  
MAINTENANCE &  
OPERATIONS  
4900 Loma Vista Road  
Ventura, CA 93003

PROJECT DIRECTORY  
**ELECTRICAL ENGINEERING:**  
Lucci & Associates  
3551 Corbin Meadows #511  
Camarillo, CA 93012  
Ken Lucci  
(805) 389-6520 x230 Office

**HVAC MECHANICAL / PLUMB ENGINEER:**  
A/E GROUP  
838 East Front Street  
Ventura, CA 93001  
Hugh McTernan  
Phone 805.653.1722

**FIRE PROTECTION ENGINEER:**  
Jock Collings, F.P.E.  
Collings & Associates LLC  
240 Maple Court, Suite 241  
Ventura, CA 93003  
(805) 658-0003  
jcollings@collingsandassociates.com

VENTURA COLLEGE  
MAINTENANCE & OPERATIONS  
INTERIOR TENANT IMPROVEMENT  
BUILDING C

**DETAILS & WALL SECTIONS**

SHEET NAME  
10 JULY 2017  
DATE  
AS SHOWN SES  
SCALE: DRAWN BY:  
C16- 013 P 0107586  
ARCHITECT PROJECT #: VCCCD PROJECT #:  
**A-802**  
SHEET NUMBER: OF SHEETS

DATE: 3 September 2017 TIME: 12:44 pm PATHNAME: G:\16247\EL\Sheets DRAFTING FILENAME: 16247E100 DRAFTER: Lee Keener

Professional service and one the sole property of Roy E Colbert, Architect. These drawings and specifications, and the incorporated ideas and designs, constitute an instrument of service.

GENERAL NOTES

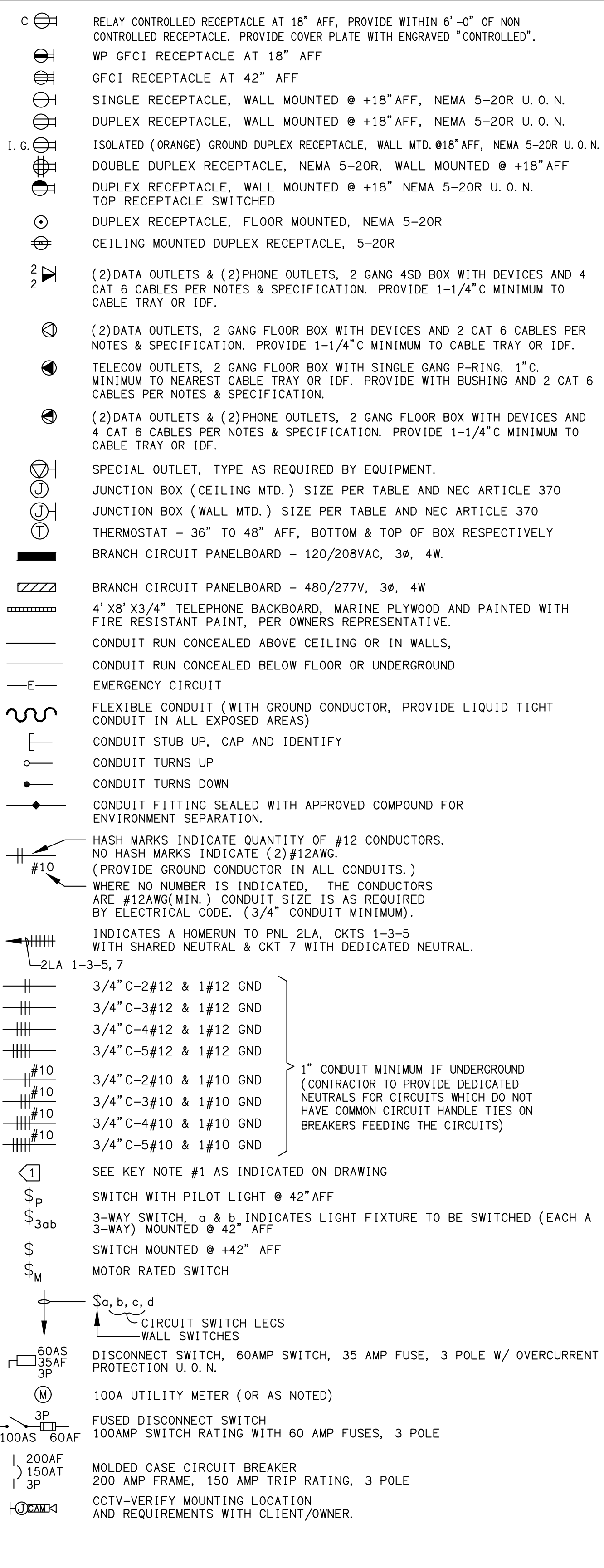
- A. GENERAL
1. SCOPE
2. PERMITS AND CHARGES
3. REGULATIONS AND CODES
4. VERIFYING EXISTING CONDITIONS
5. COORDINATION
6. SERVICE CONTINUITY
7. AS BUILT
8. GUARANTEE
9. SHOP DRAWINGS
10. CONTRACTOR BID
B. MATERIAL AND INSTALLATION
1. CONDUITS
2. SWITCHES AND RECEPTABLES
3. FEEDERS AND BRANCH CIRCUITS IDENTIFICATION
4. CONDUCTORS
5. LIGHTING FIXTURES
6. PANELBOARDS (BID SQUARE D; PROVIDE GE ALTERNATE BID)
7. ELECTRICAL CERTIFICATION
C. DEMOLITION
1. NOTIFY THE OWNER IMMEDIATELY WHEREVER EXISTING EQUIPMENT IS ENCOUNTERED WHICH MUST BE RELOCATED DUE TO THE NEW CONSTRUCTION, AND WHICH IS NOT INDICATED ON THE PLANS.

- 9. DISCONNECT AND REMOVE ABANDONED LUMINAIRES, REMOVE BRACKETS, STEMS, HANGERS, AND OTHER ACCESSORIES.
10. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK
11. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.
12. BEGINNING OF DEMOLITION MEANS CONTRACTOR ACCEPTS EXISTING CONDITIONS.
D. EXECUTION
1. CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE CONFINES AS MUCH AS POSSIBLE AND RESTORE TO ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK.
2. EQUIPMENT, MATERIALS AND SUPPLIES REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.
3. DO ALL DRILLING, CUTTING, CHANNELING AND PATCHING REQUIRED TO INSTALL ELECTRICAL WORK AS INDICATED OR HEREIN SPECIFIED. ALL HOLES, CURBS, ETC., IN FLOORS, CEILINGS AND WALLS SHALL BE PATCHED UNLESS INDICATED OTHERWISE. PAINT ALL NEW ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTINGS PENETRATING INTO FIRE RATED ENVELOPES, SPACES, ETC.
4. ALL CONDUIT RUNS SHALL BE CONCEALED, UNLESS SHOWN OTHERWISE. PROVIDE A PULL WIRE IN ALL EMPTY CONDUITS.
5. EXISTING CONDITION SHOWN IS FROM AVAILABLE RECORD DRAWINGS AND VISUAL FIELD SURVEY AND SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITION AT SITE.
6. ALL WORK SHOWN IS NEW UNLESS SPECIALLY INDICATED AS EXISTING (X). ALL ELECTRICAL EQUIPMENT MOUNTING AND ANCHORAGE MUST CONFORM WITH LOCAL AND STATE SEISMIC CODES.
E. TELEPHONE SYSTEMS
PROVIDE RACEWAYS, AND ALL MATERIAL INCLUDING PULLING CABLE IN EACH RACEWAY AS REQUIRED FOR THE TELEPHONE SYSTEM PER THE TELEPHONE REQUIREMENTS.
ALL CAT 6 CABLES SHALL BE TESTED & MEET CURRENT BICSI STANDARDS, A TEST REPORT SIGNED BY A RCSD SHALL BE PROVIDED WITH THE DOCUMENTATION.
F. GROUNDING & BONDING
FURNISH AND INSTALL COMPLETE BONDING AND GROUNDING SYSTEM AS REQUIRED BY CODES. CONTINUITY OF GROUNDING SHALL BE MAINTAINED MECHANICALLY AND ELECTRICAL THROUGHOUT THE SYSTEM. A GREEN GROUNDING CODE SIZED CONDUCTOR SHALL BE CARRIED IN ALL CONDUITS.
G. INSTALLATION
1. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT A COMPLETE AND WORKABLE ELECTRICAL INSTALLATION BE PROVIDED FOR ALL THE EQUIPMENT DESCRIBED OR SHOWN AS BEING IN THIS CONTRACT. TOWARD THIS END FURNISH ALL LABOR AND TOOLS NECESSARY AND FURNISH AND INSTALL ALL APPARATUS, MATERIALS AND EQUIPMENT IN A FASHION COMPLYING WITH ALL APPLICABLE CODES, INCLUDING ITEMS REQUIRED BUT NOT NORMALLY SHOWN, SUCH AS LAMPS, COUPLINGS, HANGERS, BRACKETS, CLAMPS, BOXES, CONNECTORS AND HARDWARE. REFER ALSO TO WRITTEN SPECIFICATIONS FOR GENERAL, MECHANICAL AND ELECTRICAL SECTIONS.
2. PROCURE ALL PERMITS FROM LEGALLY CONSTITUTED AUTHORITIES, ARRANGE FOR ALL INSPECTIONS AND PAY ALL COSTS FOR FEES AND TESTS IN CONNECTION THEREWITH. COMPLY WITH CODES: EXACTING IN THESE PLANS AUTHORIZES DEVIATION FROM APPLICABLE CODES.
3. DETERMINE EXACT ROUTING OF CONCEALED FEEDERS AND BRANCH HOMERUNS IN COOPERATION WITH OTHER TRADES TO SIMPLIFY INSTALLATION WHEREVER POSSIBLE BUT SUBJECT TO APPROVAL OF ARCHITECT FOR VISUAL AND STRUCTURAL REASONS.
4. PROVIDE A CODE APPROVED DISCONNECT SWITCH OR BREAKER WITHIN SIGHT OF EVERY MOTOR AND FEED MOTORS NOT EQUIPPED WITH "BUILT IN" PROTECTION THROUGH A MAGNETIC OR MANUAL STARTER WITH OVERLOAD HEATERS SIZED TO COMPLY WITH MOTOR MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODES.
5. FOR CONNECTIONS TO EXHAUST FANS, PUMPS, COMPRESSORS, SPACE HEATERS, WATER HEATERS, AQUASTATS, SOLENOID VALVES AND OTHER MECHANICAL EQUIPMENT AND FOR CONDUITS AND WIRE REQUIRED BUT NOT NECESSARILY SHOWN ON THESE DRAWINGS REFER TO MECHANICAL PLANS AND DETERMINE EXACT LOCATIONS UNDER DIRECTION OF HEATING AND VENTILATING CONTRACTORS.
6. DO NOT RUN ANY CONDUIT IN SLAB IF ITS OUTSIDE DIAMETER EXCEEDS 1/3 THE THICKNESS OF THE SLAB. LOCATE CONDUITS WITHIN THE MIDDLE OF THE SLAB, WHERE CONDUITS ARE GROUPED IN PARALLEL RUNS, SPACE THEM 3" OR MORE APART. WHERE CONDUITS CROSS EACH OTHER, THE DRAIN SLAB PROPORTIONATELY OVER A HORIZONTAL AREA EQUAL TO TEN TIMES THE DIAMETER OF THE LARGEST CONDUIT. REFER ALSO TO DETAILS SHOWN.
7. FOR CIRCUITS FEED THROUGH FLOURESCENT FIXTURE CHANNELS AND FEEDS TO RECESSED INCANDESCENT FIXTURES USE INSULATED WIRE OF 105 DEG. CELSIUS RATING.
8. SIZE OUTLET BOXES IN CONFORMITY WITH CODE FOR NUMBER AND GAUGE OF CONDUCTORS PROVIDED 3/16" NYLON PULL STRING IN ALL EMPTY CONDUITS. NO NO. 6X OR AC90 SHALL BE PERMITTED. FLEXIBLE STEEL CONDUIT RUNS SHALL BE LIMITED TO A MAXIMUM LENGTH OF 6 FEET.
9. EXAMINE PLANS TO DISCERN CEILING WITH A FIRE RATING OF ONE HOUR OR MORE. PROVIDE A ONE HOUR FIRE-RATED ENCLOSURE OVER EACH LIGHT FIXTURE RECESSED THEREIN.
10. ALL ELECTRICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUIT SHALL BE IN STRAIGHT LINES PARALLEL WITH, OR AT RIGHT ANGLES TO, COLUMNS AND BEAMS AND SEPARATED BY AT LEAST THREE (3) INCHES FROM WATER LINES WHENEVER THEY RUN LONG SIDE OR ACROSS SUCH LINES. CONDUIT SHALL NOT BE RUN BELOW CABLE TRAYS OR LIGHT FIXTURES WITHOUT SPECIFIC APPROVAL OF THE OWNERS REPRESENTATIVE. HANGERS SHALL BE FASTENED TO STEEL, CONCRETE OR MASONRY, BUT NOT TO PIPING, HANGERS AND SUPPORT SYSTEMS ARE AN INTEGRAL PART OF THE VISUAL ENVIRONMENT, ALL HANGERS AND SUPPORTS EXPOSED TO PUBLIC VIEW MUST BE SHOWN IN DETAIL. ALL WORK IS SUBJECT TO ENGINEER FOR APPROVAL OF APPEARANCE. ALL HANGERS MUST BE UNIFORMLY SPACED AND INSTALLED WITH NO EXCESS MATERIAL BEYOND WHAT IS REQUIRED FOR THE SUPPORT FUNCTION. CONTRACTOR SHALL SELECT ACCESSORIES AND HARDWARE WITH A SWOOSH, NEAT FINISHED APPEARANCE AND PAINT ALL EXPOSED CONDUIT HANGERS TO MATCH THE ADJACENT FINISHES.
11. ALL RECEPTABLES SHALL BE MOUNTED BETWEEN 18" AND 48" PER ADA REQUIREMENTS UNLESS NOTED OTHERWISE. RECEPTABLES SHALL BE MOUNTED FROM BOTTOM & TOP OF BOX RESPECTIVELY.
12. ALL DISTRIBUTION BOARDS, SWITCHBOARDS AND TRANSFORMERS THAT ARE FLOOR MOUNTED SHALL BE MOUNTED ON VIBRATION ISOLATION PADS OR TRANSFORMER SHALL BE ON VIBRATION ISOLATION PADS AND CONNECTED WITH FLEXIBLE CONDUIT.
13. CONTRACTOR SHALL EXAMINE PLANS AND VERIFY IN FIELD LOCATIONS OF ALL FIRE RATED WALLS, CEILINGS AND FLOORS. CONTRACTOR SHALL SEAL ALL ELECTRICAL SYSTEM PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS AND FLOORS WITH U.L. LISTED MATERIAL APPROVED BY THE AUTHORITY HAVING JURISDICTION.
14. ALL SWITCHES SHALL BE MOUNTED 36" TO 48" MEASURED FROM BOTTOM & TOP OF BOX RESPECTIVELY.
15. PANEL CIRCUIT DIRECTORY SHALL COMPLY WITH CEC 408.4
H. FIRE ALARM SYSTEM (THE MAIN PANEL & PERIPHERALS MAY BE REUSED IF CSEW IS STILL CURRENT)
1. CONTRACTOR SHALL PROVIDE AND INSTALL A FIRE ALARM SYSTEM FOR THE PROJECT AREA TO INCLUDE:
A) SMOKE DETECTORS IN ALL REQUIRED AREAS
B) HEAT DETECTORS IN ALL REQUIRED AREAS
C) DUST DETECTORS IN ALL REQUIRED SPACES
D) STROBES/ALARMS IN ALL REQUIRED AREAS
E) PULL STATIONS AT ALL LEGAL FIRE EXITS
F) TAMPER AND FLOW SWITCHES
2. CONTRACTOR SHALL SUBMIT FOR THE OWNERS SIGNED APPROVAL, APPROVED FIRE DEPARTMENT FIRE ALARM DRAWINGS FOR THE PROJECT SPACE.
3. CONTRACTOR SHALL BE FCI.
4. ALL DEVICES AND EQUIPMENT SHALL BE CALIFORNIA STATE FIRE MARSHALL APPROVED AND CURRENTLY LISTED.
5. CONTRACTOR SHALL WARRANTY ALL DEVICES AND SYSTEMS FOR A PERIOD OF TWO YEARS.
6. CONTRACTOR SHALL PROVIDE (6) SIX HARD COPY SETS OF FIRE ALARM MANUALS FOR ALL SYSTEMS AND DEVICES IN ADDITION TO 6 (SIX) HARD COPY SETS OF A SYSTEM OPERATIONAL MANUAL TAILORED FOR THE PROJECT SPACE.
7. CONTRACTOR SHALL PROVIDE AN INDIVIDUALLY ADDRESSABLE TOTALLY SUPERVISED SYSTEM WITH BATTERY BACK-UP FOR 24 HOURS OF MONITORING INITIATING CIRCUITS PLUS 30 MINUTES OF ALARM WITH DUAL RATE BATTERY CHARGER.
8. CONTRACTOR SHALL PROVIDE A SATISFACTORY SYSTEM TEST IN THE PRESENCE OF THE OWNER, FIRE PREVENTION BUREAU AND CONSULTING ENGINEER.
9. ANNUNCIATOR PANEL LOCATED IN MAIN ADMIN OFFICE SHALL BE NONGRAPHIC WITH NAMEPLATE AND LED FOR EACH DEVICE ADDRESS, WITH AUDIBLE ALARM AND KEYPAD SILENCE SWITCH.
10. CONTRACTOR SHALL PROVIDE ALL CONNECTION TO POWER PANELS, CONDUIT AND WIRE AND CONNECTIONS REQUIRED TO PROVIDE AN OPERATIONAL, FIRE ALARM SYSTEM.

COLOR CODE FOR CONDUCTORS

PROVIDE CONDUCTOR COLOR CODE AS FOLLOWS:
120/208V, 3Ø, 4W: BLUE, BLACK, RED FOR PHASE CONDUCTORS AND WHITE FOR NEUTRAL, GREEN FOR GROUND.
277/480V, 3Ø, 4W: ORANGE, BROWN, YELLOW FOR PHASE CONDUCTORS AND WHITE FOR NEUTRAL, GREEN FOR GROUND.

SYMBOLS



JUNCTION BOX FILL

Table with columns: JUNCTION BOX DIMENSION, TRADE SIZE OR TYPE, MIN. CU. IN. CAP., MAXIMUM NUMBER OF CONDUCTORS (NO. 14, NO. 12, NO. 10, NO. 8, NO. 6).

LIST OF DRAWINGS

Table with columns: SHEET, DESCRIPTION, SHEET, DESCRIPTION. Lists sheets E1.00 through E3.00.

SCOPE OF WORK

PROVIDE REMODELED ELECTRICAL SYSTEMS FOR POWER, LIGHTING AND LOW VOLTAGE FOR THE M&O DEPARTMENT.

SITE MAP



ABBREVIATIONS

Table listing abbreviations for electrical components like AMPERES, FUSE, SWITCH, BREAKER, etc., and their corresponding symbols.

GENERAL STANDARDS

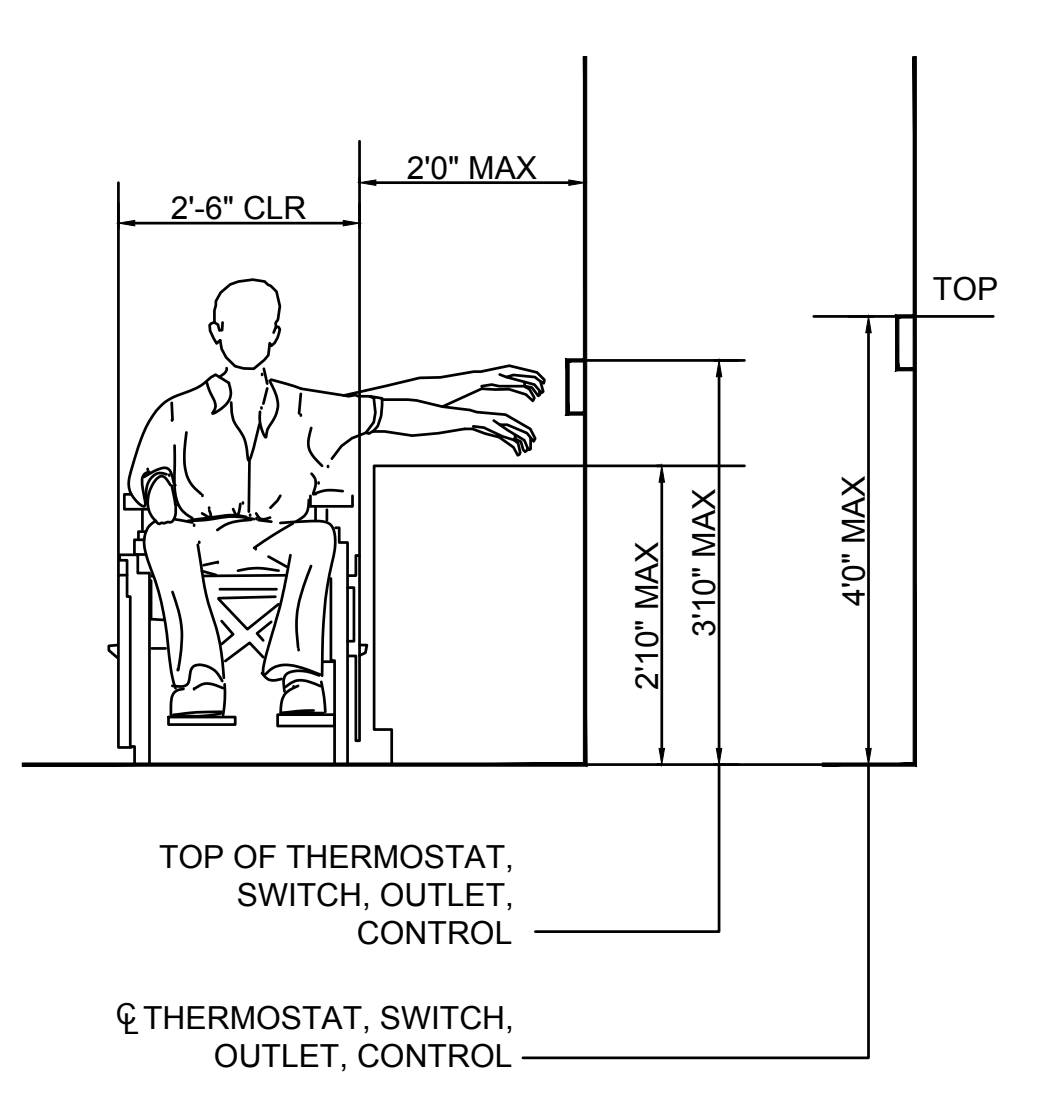
- 1. 2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 1
2. 2016 CALIFORNIA BUILDING CODE (CBC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 2 (2014 INTERNATIONAL BUILDING CODE (IBC) W/CALIFORNIA AMENDMENTS)
3. 2016 CALIFORNIA ELECTRICAL CODE (CEC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 3 (2014 NATIONAL ELECTRICAL CODE (NEC) W/CALIFORNIA AMENDMENTS)
4. 2016 CALIFORNIA ENERGY CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 6
5. 2016 CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9 (2015 INTERNATIONAL FIRE CODE (IFC) W/CALIFORNIA AMENDMENTS)
6. 2016 CALIFORNIA REFERENCED STANDARDS CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 12
7. AMERICANS WITH DISABILITIES ACT (ADA) TITLE II - ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADA) 1990 STATE FIRE MARSHAL REGULATIONS AND AMENDMENTS TO-DATE
8. CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, CALIFORNIA STATE ACCESSIBILITY STANDARDS CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 19
9. 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN), PART II, TITLE 24 C.C.R.
10. 2016 CALIFORNIA MECHANICAL CODE (CMC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 4 (2012 UNIFORM MECHANICAL CODE (UMC) W/CALIFORNIA AMENDMENTS)
11. 2016 CALIFORNIA PLUMBING CODE (CPC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 5 (2012 UNIFORM PLUMBING CODE (UPC) W/CALIFORNIA AMENDMENTS)
12. 2013 TITLE 19 CALIFORNIA CODE OF REGULATIONS (CCR) PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
13. 2016 NFPA 72 NATIONAL FIRE ALARM CODE

DERATING TABLE

NEC #310-8 ADJUSTMENT FACTORS
(a) MORE THAN THREE CURRENT-CARRYING CONDUCTORS IN A RACEWAY OR CABLE. WHERE THE NUMBER OF CURRENT-CARRYING CONDUCTORS IN A RACEWAY OR CABLE EXCEEDS THREE, THE ALLOWABLE AMPACITIES SHALL BE REDUCED AS SHOWN IN THE FOLLOWING TABLE:

Table for derating factors showing number of current-carrying conductors and percent of values in tables as adjusted for ambient temperature.

MOUNTING HEIGHT OVER OBSTRUCTION



THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS.

Table with columns: REVISIONS, DATE, BY. Shows revision history.

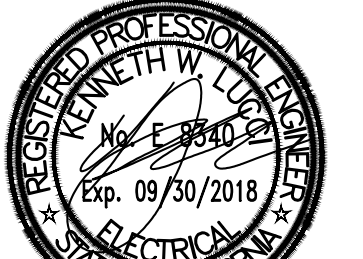
ROY E COLBERT

ARCHITECTURE PLANNING DESIGN

353 SAN JON ROAD VENTURA, CA 93001

805 / 650 - 9590 PH 805 / 650 - 9589 FX rcob@atglobal.net CALIFORNIA C12050 N.C.A.R.B.

LUCCI & ASSOCIATES INC. CONSULTING ELECTRICAL ENGINEERS 5855 CORTE MALPASO, #511 CAMARILLO, CA 93012-8094 (805) 389-6520 FAX (805) 389-6519 Web Site: http://www.lucciland.com



This project has been designed by me, or under my direct supervision.

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

VENTURA COLLEGE 4667 Telegraph Road Ventura, CA 93003

M&O: MAINTENANCE & OPERATIONS ADMIN RENOVATION

PROJECT DIRECTORY

SOILS ENGINEER / SEPTIC SYSTEM: XXXX CIVIL ENGINEER: XXXX STRUCTURAL ENGINEER: XXXX ELECTRICAL ENGINEER: LUCCI & ASSOCIATES LUCCI LUCCI 805/389/6520 MECHANICAL ENGINEER: XXXX LANDSCAPE ARCHITECT: XXXX WATER SYSTEM / FIRE PROTECTION SYSTEM: XXXX

GENERAL NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST

SHEET NAME: DATE: 09-03-2017 SCALE: AS SHOWN PROJECT: C16 - 006 SHEET NUMBER: E1.00 OF SHEETS: 00

STATE OF CALIFORNIA INDOOR LIGHTING - LIGHTING CONTROLS... DOCUMENTATION AUTHOR'S DECLARATION STATEMENT... RESPONSIBLE PERSON'S DECLARATION STATEMENT... CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

STATE OF CALIFORNIA INDOOR LIGHTING... DOCUMENTATION AUTHOR'S DECLARATION STATEMENT... RESPONSIBLE PERSON'S DECLARATION STATEMENT... H. Indoor Lighting Schedule and Field Inspection Checklist... CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

STATE OF CALIFORNIA INDOOR LIGHTING... E. Declaration of Required Certificates of Acceptance... F. Indoor Lighting Schedule and Field Inspection Energy Checklist... C. Summary of Allowed Lighting Power... D. Declaration of Required Certificates of Installation... A. General Information... B. Lighting Compliance Documents... CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

ROY E COLBERT ARCHITECTURE PLANNING DESIGN... VENTURA COUNTY COMMUNITY COLLEGE DISTRICT... PROJECT DIRECTORY... SHEET NUMBER OF SHEETS

DRAWING FILENAME: 16247E101 DRAFTER: Lee Keener DATE: 3 September 2017 TIME: 12:44 pm

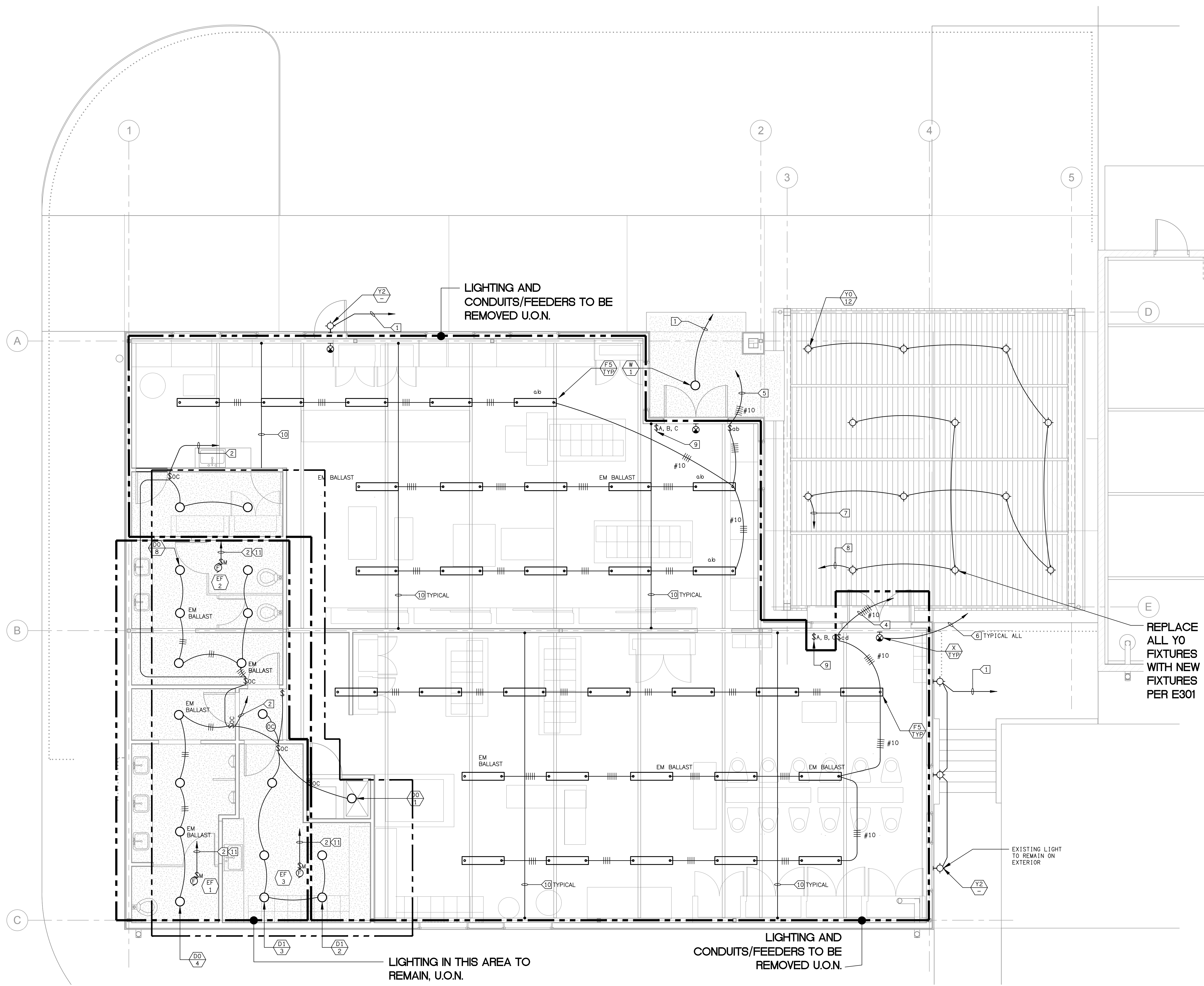
PATHNAME: G:\16247E\101sheets\16247E101.dwg Sep 03, 2017, 12:44pm Lee Keener

Professional service and one the sole property of Roy E. Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E. Colbert, Architect.

ISSUED FOR CONSTRUCTION THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS. Copyright Lucci and Associates Consulting Electrical Engineers. Deviations from this drawing will not be made without their expressed written permission.



DRAFTSMAN: Lee Keener    DRAWING FILENAME: 16247E130    DATE: 3 September 2017    TIME: 12:44 pm    PATHNAME: G:\16247E130\Sheets  
 This project record document, drawings and specifications, have been prepared on the basis of data compiled and furnished by others. Roy E Colbert, Architect will not be responsible for errors or omissions resulting from that data being incorporated into this document. These drawings and specifications, and the incorporated ideas and designs, constitute an instrument of professional service and are the sole property of Roy E Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E Colbert, Architect.  
 Professional seal and stamp of Roy E Colbert, Architect, License No. 16247, State of California, expires 09/30/2018.  
 Project: 16247E130    Sheet: 16247E130.dwg    Date: 09/03/2017    Time: 12:44pm    User: Lee Keener



- SHEET NOTES:**
- REMOVE ALL DEMO DEVICES, CABLING, CONDUIT, SUPPORTS, ETC TO LAST ACTIVE DEVICE & MAKE SAFE ALL CONNECTIONS.
  - RETURN TO OWNERS, ALL SALVAGEABLE ITEMS.
- KEY NOTES:**
- ① C1-2 (VIA LIGHTING CONTROLLER CIRCUIT A)
  - ② C1-4.
  - ③ NOT USED.
  - ④ C1-6-8. (TO BE REMOVED).
  - ⑤ C1-10-12. (TO BE REMOVED).
  - ⑥ C1-14.
  - ⑦ C1-2 (VIA LIGHTING CONTROLLER CIRCUIT B)
  - ⑧ C1-2 (VIA LIGHTING CONTROLLER CIRCUIT C)
  - ⑨ LIGHTING CONTROLLER FOR CIRCUITS A, B, C OF ①, ⑦, ⑧
  - ⑩ SUPPORT WIRES BETWEEN FIXTURES.
  - ⑪ WITH MOTION SENSOR.

LEGEND	
Ⓢ	SENSOR SWITCH WSD-PDT
Ⓣ	SENSOR SWITCH CM9

REVISIONS	DATE	BY

**ROY E COLBERT**

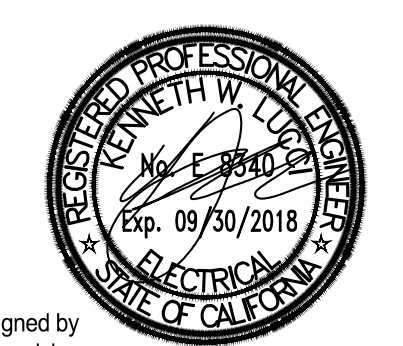
ARCHITECTURE  
PLANNING  
DESIGN

353 SAN JON ROAD  
VENTURA, CA 93001

805 / 650 . 9590 PH  
805 / 650 . 9589 FX  
rcolb@abcglobal.net  
CALIFORNIA C12050  
N.C.A.R.B.

**LUCCI & ASSOCIATES INC.**  
CONSULTING ELECTRICAL ENGINEERS  
3851 CORTE MALPASO, #511  
CAMARILLO, CA 93012-8094  
(805) 389-6520 FAX (805) 389-6519  
Web Site <http://www.lucciland.com>

LUCCI & ASSOCIATES, INC. reserves their copyright and other proprietary rights in these plans. These plans and drawings are not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining prior written permission and consent.



This project has been designed by me, or under my direct supervision.

VENTURA COUNTY  
COMMUNITY  
COLLEGE DISTRICT

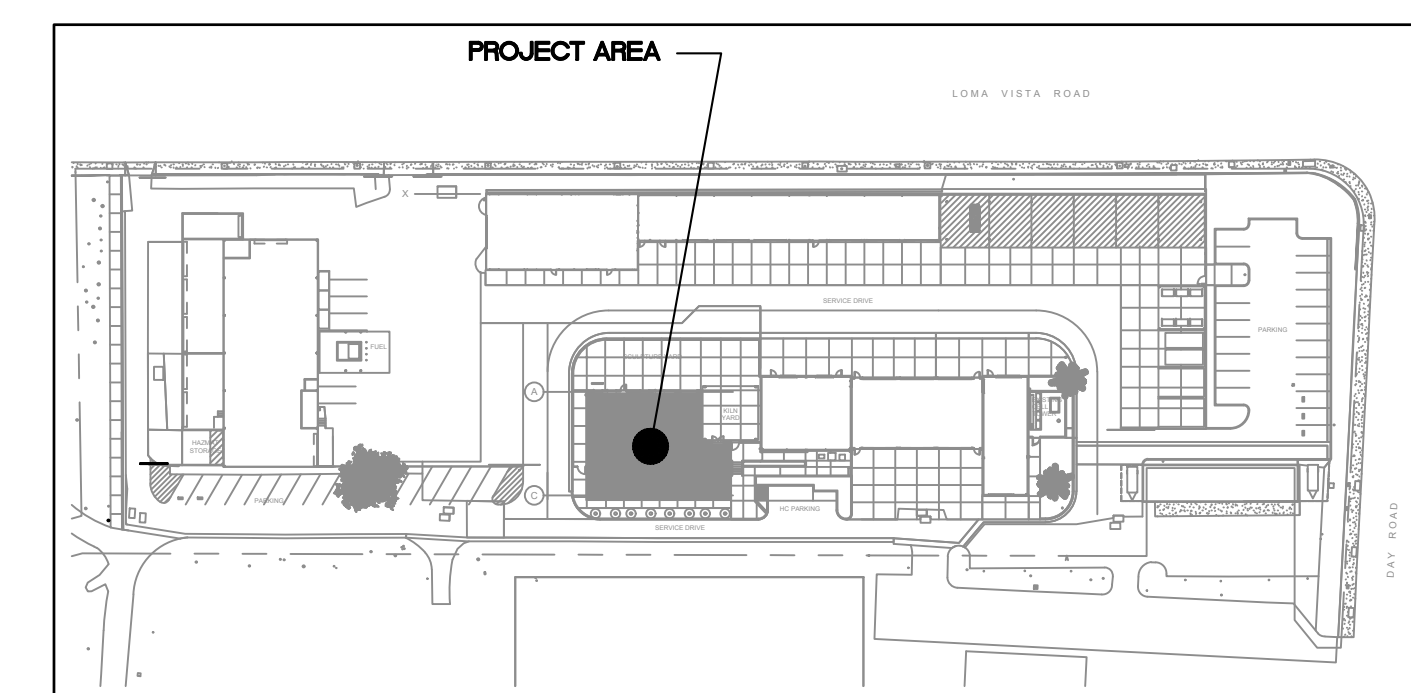
VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

M&O:  
MAINTENANCE &  
OPERATIONS ADMIN  
RENOVATION

**PROJECT DIRECTORY**

- SOILS ENGINEER / SEPTIC SYSTEM: XXXX
- CIVIL ENGINEER: XXXX
- STRUCTURAL ENGINEER: XXXX
- ELECTRICAL ENGINEER: LUCCI & ASSOCIATES  
KEN LUCCI  
805/389.6520
- MECHANICAL ENGINEER: XXXX
- LANDSCAPE ARCHITECT: XXXX
- WATER SYSTEM / FIRE PROTECTION SYSTEM: XXXX

**LIGHTING  
DEMOLITION PLAN  
BUILDING C**

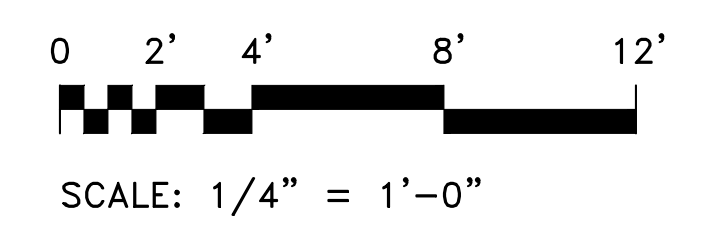
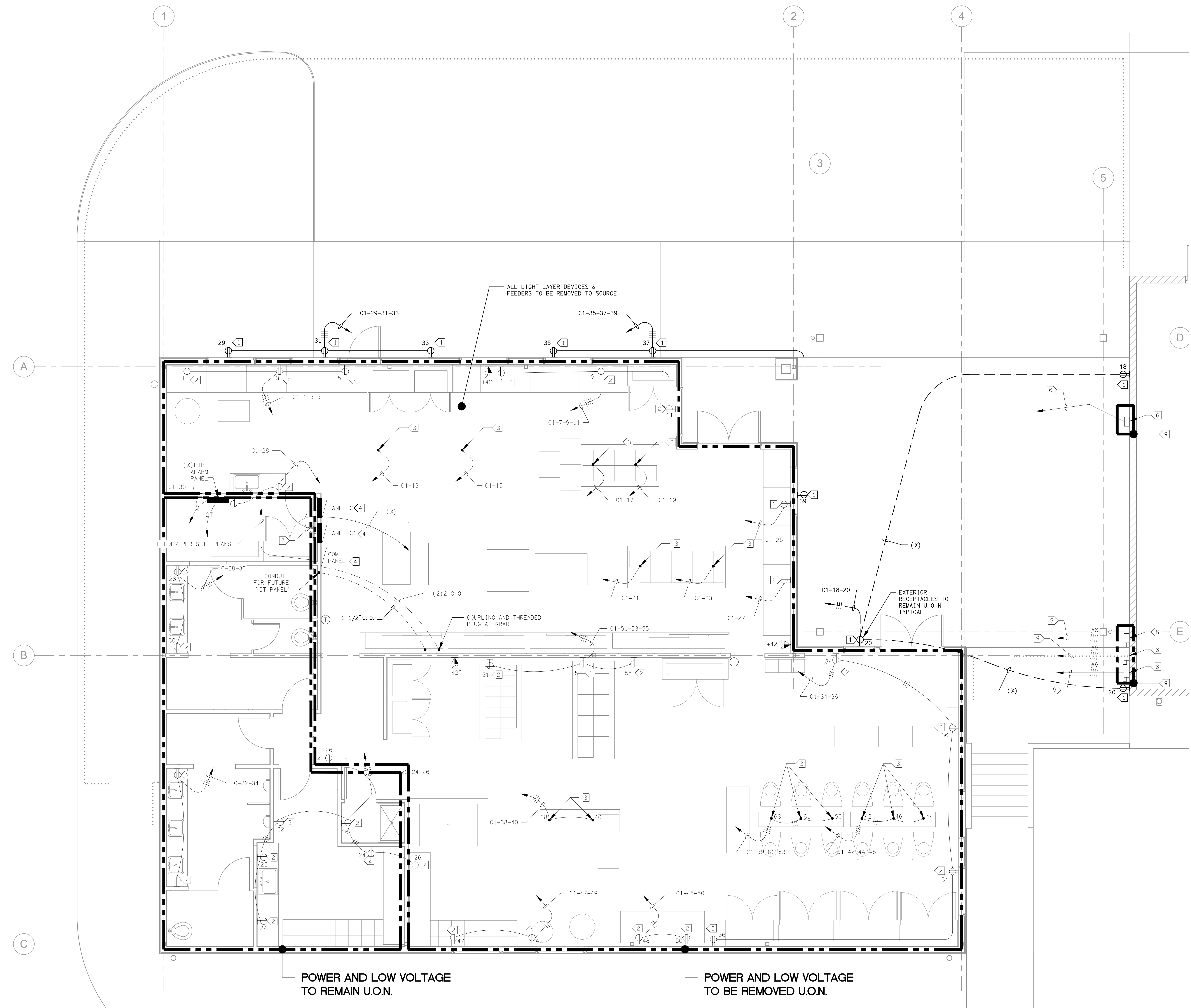


**KEY MAP**

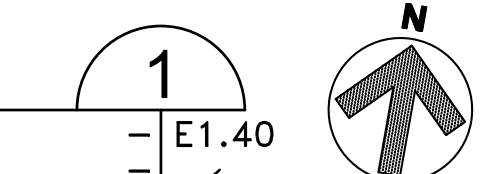
THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS.

SHEET NAME		
DATE	09-03-2017	
SCALE	AS SHOWN	
PROJECT	C16 - 006	
<b>E1.30</b>	<b>00</b>	
SHEET NUMBER	OF	SHEETS

DRAFT: Lee Keener DRAWING FILENAME: 16247E140 DATE: 3 September 2017 TIME: 12:44 pm  
 PATHNAME: G:\16\247E\140 SHEETS\16247E140.dwg  
 This project record document, drawings and specifications, have been prepared on the basis of data compiled and furnished by others. Roy E Colbert, Architect will not be responsible for errors or omissions resulting from that data being incorporated into this document. These drawings and specifications, and the incorporated ideas and designs, constitute an instrument of professional service and are the sole property of Roy E Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E Colbert, Architect.  
 Lee Keener, Designer, Size: 8.5" x 11" (ANSI)  
 Lee Keener, Plotter: HP DesignJet 2400, Plot Date: 09/03/2017, Plot Time: 12:40 PM  
 C:\Users\leekeener\AppData\Local\Temp\16247E140.dwg



**POWER & LOW VOLTAGE DEMOLITION PLAN BUILDING C**  
 SCALE: 1/4"=1'-0"

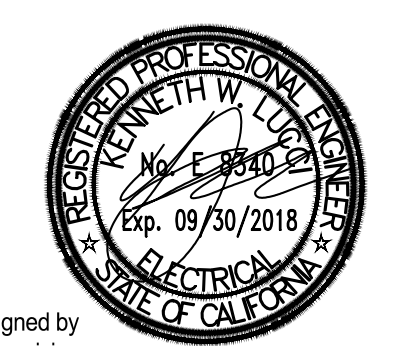


- SHEET NOTES:**
- REMOVE ALL DEMO DEVICES, CABLING, CONDUIT, SUPPORTS, ETC TO LAST ACTIVE DEVICE & MAKE SAFE ALL CONNECTIONS.
  - RETURN TO OWNERS, ALL SALVAGEABLE ITEMS.
- KEY NOTES:**
- ① WP GFCI RECEPTACLE.
  - ② GFCI RECEPTACLE.
  - ③ PENDANT POWER DROP.
  - ④ EXISTING TO REMAIN.
  - ⑤ NOT USED.
  - ⑥ NOT USED.
  - ⑦ PER E-200.
  - ⑧ 60A FUSED AT 60A NEMA 3R DISCONNECT 3 POLE, 240VAC.
  - ⑨ REMOVE DISCONNECT & RETURN TO OWNERS & REMOVE CONDUCTORS TO SOURCE. PROVIDE CAP ON CONDUIT AT CONDUIT STUB UP WITH PULL (3/16") STRING & LABEL AT BOTH ENDS.

REVISIONS	DATE	BY

**ROY E COLBERT**  
 ARCHITECTURE  
 PLANNING  
 DESIGN  
 353 SAN JON ROAD  
 VENTURA, CA 93001  
 805 / 650 . 9590 PH  
 805 / 650 . 9589 FX  
 rcolb@sbcglobal.net  
 CALIFORNIA C12050  
 N.C.A.R.B.

**LUCCI & ASSOCIATES INC.**  
 CONSULTING ELECTRICAL ENGINEERS  
 3851 CORTE MALPASO, #511  
 CAMARILLO, CA 93012-8094  
 (805) 389-6520 FAX (805) 389-6519  
 Web Site: <http://www.lucciland.com>  
LUCCI & ASSOCIATES, INC. reserves their copyright and other property rights in these plans. These plans and drawings are not to be reproduced, copied, or used in any way or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining such written permission and consent.



This project has been designed by me, or under my direct supervision.

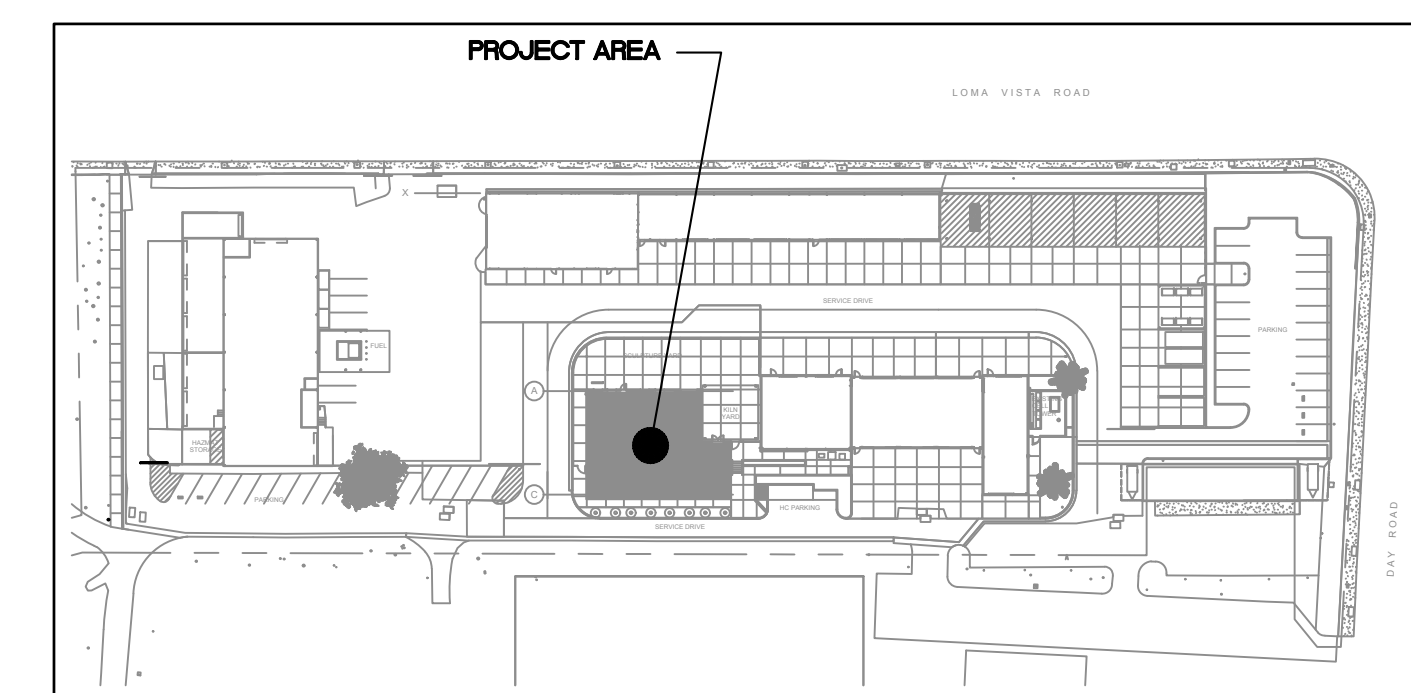
**VENTURA COUNTY  
 COMMUNITY  
 COLLEGE DISTRICT**  
 VENTURA COLLEGE  
 4667 Telegraph Road  
 Ventura, CA 93003

**M&O:  
 MAINTENANCE &  
 OPERATIONS ADMIN  
 RENOVATION**

**PROJECT DIRECTORY**  
 SOILS ENGINEER / SEPTIC SYSTEM:  
 XXXX  
 CIVIL ENGINEER:  
 XXXX  
 STRUCTURAL ENGINEER:  
 XXXX  
 ELECTRICAL ENGINEER:  
 LUCCI & ASSOCIATES  
 KEN LUCCI  
 805/389.6520  
 MECHANICAL ENGINEER:  
 XXXX  
 LANDSCAPE ARCHITECT:  
 XXXX  
 WATER SYSTEM / FIRE PROTECTION SYSTEM:  
 XXXX

**POWER & LOW  
 VOLTAGE  
 DEMOLITION PLAN  
 BUILDING C**

SHEET NAME	
DATE	09-03-2017
SCALE	AS SHOWN
PROJECT	C16 - 006
<b>E1.40</b>	<b>00</b>
SHEET NUMBER	OF SHEETS



**KEY MAP**

THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS.





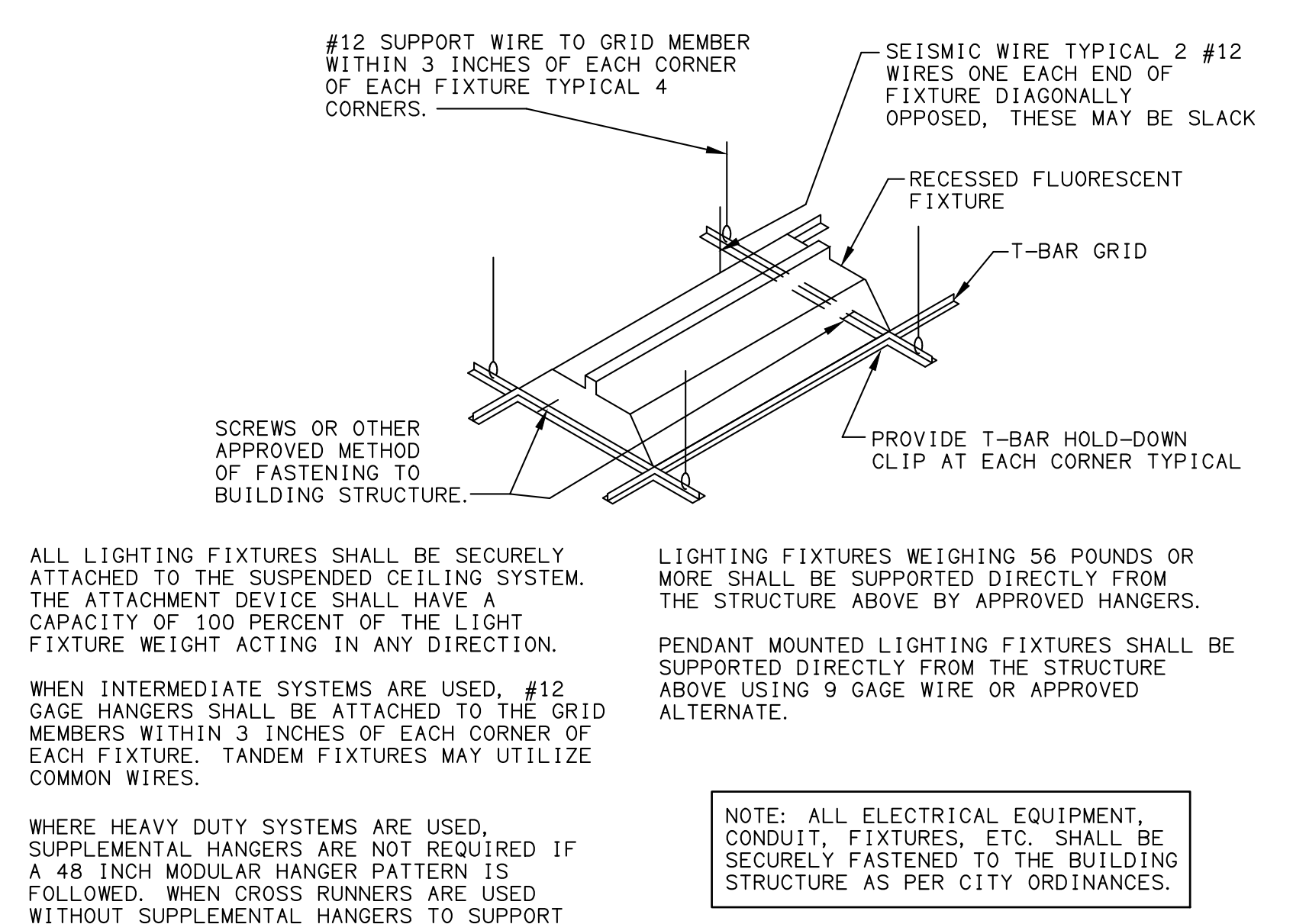
DATE: 3 September 2017 TIME: 12:45 pm  
 DRAFTING FILENAME: 16247E201  
 DRAFTER: Lee Keener  
 This project record document, drawings and specifications, have been prepared on the basis of data compiled and furnished by others. Roy E Colbert, Architect will not be responsible for errors or omissions resulting from that data being incorporated into this document. These drawings and specifications, and the incorporated ideas and designs, constitute an instrument of professional service and are the sole property of Roy E Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E Colbert, Architect.  
 Copyright Lucci and Associates Consulting Electrical Engineers. Deviations from this drawing will not be made without their expressed written permission.

NEW PANEL																			
PANEL NUMBER IT										VOLTAGE 120/208				PHASE 3 WIRE 4					
SOURCE C										A.I.C. 10000				NEMA 1 COPPER BUSS					
PANEL LOCATION BUILDING C										BUS AMPERE RATING 100				MAIN LUGS ONLY SURFACE MOUNTING					
CIRCUIT	DESCRIPTION	LOAD(VA)			BRKR	POLE	AMP	CT	PHASE	CIRCUIT DESCRIPTION	LOAD(VA)			BRKR	POLE	AMP	CT	PHASE	
		A	B	C							A	B	C						
1	RECEPTACLE	180			1	20	1	1	1	RECEPTACLE									
2	RECEPTACLE	180			1	20	1	2	2	RECEPTACLE									
3	RECEPTACLE	180			1	20	1	3	3	RECEPTACLE									
4	RECEPTACLE	180			1	20	1	4	4	RECEPTACLE									
5	RECEPTACLE	180			1	20	1	5	5	RECEPTACLE									
6	RECEPTACLE	180			1	20	1	6	6	RECEPTACLE									
7	RECEPTACLE	180			1	20	1	7	7	RECEPTACLE									
8	RECEPTACLE	180			1	20	1	8	8	RECEPTACLE									
9	RECEPTACLE	180			1	20	1	9	9	RECEPTACLE									
10	RECEPTACLE	180			1	20	1	10	10	RECEPTACLE									
11	RECEPTACLE	180			1	20	1	11	11	RECEPTACLE									
12	RECEPTACLE	180			1	20	1	12	12	RECEPTACLE									
13	RECEPTACLE	180			1	20	1	13	13	RECEPTACLE									
14	RECEPTACLE	180			1	20	1	14	14	RECEPTACLE									
15	RECEPTACLE	180			1	20	1	15	15	RECEPTACLE									
16	RECEPTACLE	180			1	20	1	16	16	RECEPTACLE									
17	RECEPTACLE	180			1	20	1	17	17	RECEPTACLE									
18	RECEPTACLE	180			1	20	1	18	18	RECEPTACLE									
19	RECEPTACLE	180			1	20	1	19	19	RECEPTACLE									
20	RECEPTACLE	180			1	20	1	20	20	RECEPTACLE									
21	RECEPTACLE	180			1	20	1	21	21	RECEPTACLE									
22	RECEPTACLE	180			1	20	1	22	22	RECEPTACLE									
23	RECEPTACLE	180			1	20	1	23	23	RECEPTACLE									
24	RECEPTACLE	180			1	20	1	24	24	RECEPTACLE									
25	RECEPTACLE	180			1	20	1	25	25	RECEPTACLE									
26	RECEPTACLE	180			1	20	1	26	26	RECEPTACLE									
27	RECEPTACLE	180			1	20	1	27	27	RECEPTACLE									
28	RECEPTACLE	180			1	20	1	28	28	RECEPTACLE									
29	RECEPTACLE	180			1	20	1	29	29	RECEPTACLE									
TOTALS		540	540	360						1000	1000								
L.C.L. VOLT AMPS:		PHASE A			PHASE B			PHASE C			PHASE A			PHASE B			PHASE C		
TOTAL VOLT AMPS:		1540			1540			360			1540			1540			360		
TOTAL AMPS:		12.8			12.8			3.0			12.8			12.8			3.0		
ISOLATED GROUND BUS																			

REVISED EXISTING PANEL																			
PANEL NUMBER C										VOLTAGE 120/208				PHASE 3 WIRE 4					
SOURCE DP										A.I.C. 22000				NEMA 1 COPPER BUSS					
PANEL LOCATION BUILDING C										BUS AMPERE RATING 400				MAIN LUGS ONLY SURFACE MOUNTING					
CIRCUIT	DESCRIPTION	LOAD(VA)			BRKR	POLE	AMP	CT	PHASE	CIRCUIT DESCRIPTION	LOAD(VA)			BRKR	POLE	AMP	CT	PHASE	
		A	B	C							A	B	C						
1	JAY OFFICE RECEPT.	360			1	20	1	1	1	STORAGE RECEPTACLE									
2	SPARE							2	2	OFFICE 104 RECEPTACLE									
3	SPARE							3	3	OFFICE 105 RECEPTACLE									
4	SPARE							4	4	OFFICE 105 RECEPTACLE									
5	SPARE							5	5	CONFERENCE RECEPTACLE									
6	SPARE							6	6	CONFERENCE RECEPTACLE									
7	SPARE							7	7	CONFERENCE RECEPTACLE									
8	SPARE							8	8	SPARE									
9	SPARE							9	9	PANEL G									
10	SPARE							10	10	SPARE									
11	SPARE							11	11	SPARE									
12	SPARE							12	12	SPARE									
13	SPARE							13	13	SPARE									
14	SPARE							14	14	SPARE									
15	SPARE							15	15	SPARE									
16	SPARE							16	16	SPARE									
17	SPARE							17	17	SPARE									
18	SPARE							18	18	SPARE									
19	SPARE							19	19	SPARE									
20	SPARE							20	20	SPARE									
21	SPARE							21	21	SPARE									
22	SPARE							22	22	SPARE									
23	SPARE							23	23	SPARE									
24	SPARE							24	24	SPARE									
25	SPARE							25	25	SPARE									
26	SPARE							26	26	SPARE									
27	SPARE							27	27	SPARE									
28	SPARE							28	28	SPARE									
29	SPARE							29	29	SPARE									
30	SPARE							30	30	SPARE									
31	SPARE							31	31	SPARE									
32	SPARE							32	32	SPARE									
33	SPARE							33	33	SPARE									
34	SPARE							34	34	SPARE									
35	SPARE							35	35	SPARE									
36	SPARE							36	36	SPARE									
37	SPARE							37	37	SPARE									
38	SPARE							38	38	SPARE									
39	SPARE							39	39	SPARE									
40	SPARE							40	40	SPARE									
41	SPARE							41	41	SPARE									
42	SPARE							42	42	SPARE									
43	SPARE							43	43	SPARE									
44	SPARE							44	44	SPARE									
45	SPARE							45	45	SPARE									
46	SPARE							46	46	SPARE									
47	SPARE							47	47	SPARE									
48	SPARE							48	48	SPARE									
49	SPARE							49	49	SPARE									
50	SPARE							50	50	SPARE									
51	SPARE							51	51	SPARE									
52	SPARE							52	52	SPARE									
53	SPARE							53	53	SPARE									
TOTALS		7160	7160	7940						12240	16730	14160							
L.C.L. VOLT AMPS:		PHASE A			PHASE B			PHASE C			PHASE A			PHASE B			PHASE C		
TOTAL VOLT AMPS:		24450			23890			22100			24450			23890			22100		
TOTAL AMPS:		203.8			199.1			184.2			203.8			199.1			184.2		

EXISTING PANEL																	
PANEL NUMBER C										VOLTAGE 120/208				PHASE 3 WIRE 4			
SOURCE DP										A.I.C. 22000				NEMA 1 COPPER BUSS			
PANEL LOCATION BUILDING C										BUS AMPERE RATING 400				MAIN LUGS ONLY SURFACE MOUNTING			
CIRCUIT	DESCRIPTION	LOAD(VA)			BRKR	POLE	AMP	CT	PHASE	CIRCUIT DESCRIPTION	LOAD(VA)						

DRAFT: Lee Keener      DRAWING FILENAME: 16247E300-1      PATHNAME: G:\16\247\EL\Sheets      DATE: 3 September 2017      TIME: 12:45 pm  
 This project record document, drawings and specifications, have been prepared on the basis of data compiled and furnished by others. Roy E Colbert, Architect will not be responsible for errors or omissions resulting from that data being incorporated into this document. These drawings and specifications, and the incorporated ideas and designs, constitute an instrument of professional service and are the sole property of Roy E Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E Colbert, Architect.



ALL LIGHTING FIXTURES SHALL BE SECURELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. THE ATTACHMENT DEVICE SHALL HAVE A CAPACITY OF 100 PERCENT OF THE LIGHT FIXTURE WEIGHT ACTING IN ANY DIRECTION.

WHEN INTERMEDIATE SYSTEMS ARE USED, #12 GAGE HANGERS SHALL BE ATTACHED TO THE GRID MEMBERS WITHIN 3 INCHES OF EACH CORNER OF EACH FIXTURE. TANDEM FIXTURES MAY UTILIZE COMMON WIRES.

WHERE HEAVY DUTY SYSTEMS ARE USED, SUPPLEMENTAL HANGERS ARE NOT REQUIRED IF A 48 INCH MODULAR HANGER PATTERN IS FOLLOWED. WHEN CROSS RUNNERS ARE USED WITHOUT SUPPLEMENTAL HANGERS TO SUPPORT LIGHTING FIXTURES, THESE CROSS RUNNERS MUST PROVIDE THE SAME CARRYING CAPACITY AS THE MAIN RUNNER.

LIGHTING FIXTURES WEIGHING 56 POUNDS OR MORE SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS. PENDANT MOUNTED LIGHTING FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING 9 GAGE WIRE OR APPROVED ALTERNATE.

NOTE: ALL ELECTRICAL EQUIPMENT, CONDUIT, FIXTURES, ETC. SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE AS PER CITY ORDINANCES.

- FIXTURE SCHEDULE NOTES:**
- FIXTURES TYPE IN CONTACT WITH INSULATION SHALL HAVE U.L. LISTED THERMAL BARRIER.
  - CONTRACTOR SHALL VERIFY THE TYPE OF CEILING BEFORE ORDERING NEW FIXTURES. CONTRACTOR IS FULLY RESPONSIBLE TO PROVIDE ALL MOUNTING BRACKETS TO FIT CEILING CONDITIONS AT NO EXTRA CHARGE TO THE OWNER.
  - REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES.
  - SEE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS, CEILING CONFIGURATION AND LIGHTING PLACEMENT.
  - |    |   |              |
|----|---|--------------|
| XX | → | FIXTURE TYPE |
| XX | → | QUANTITY     |

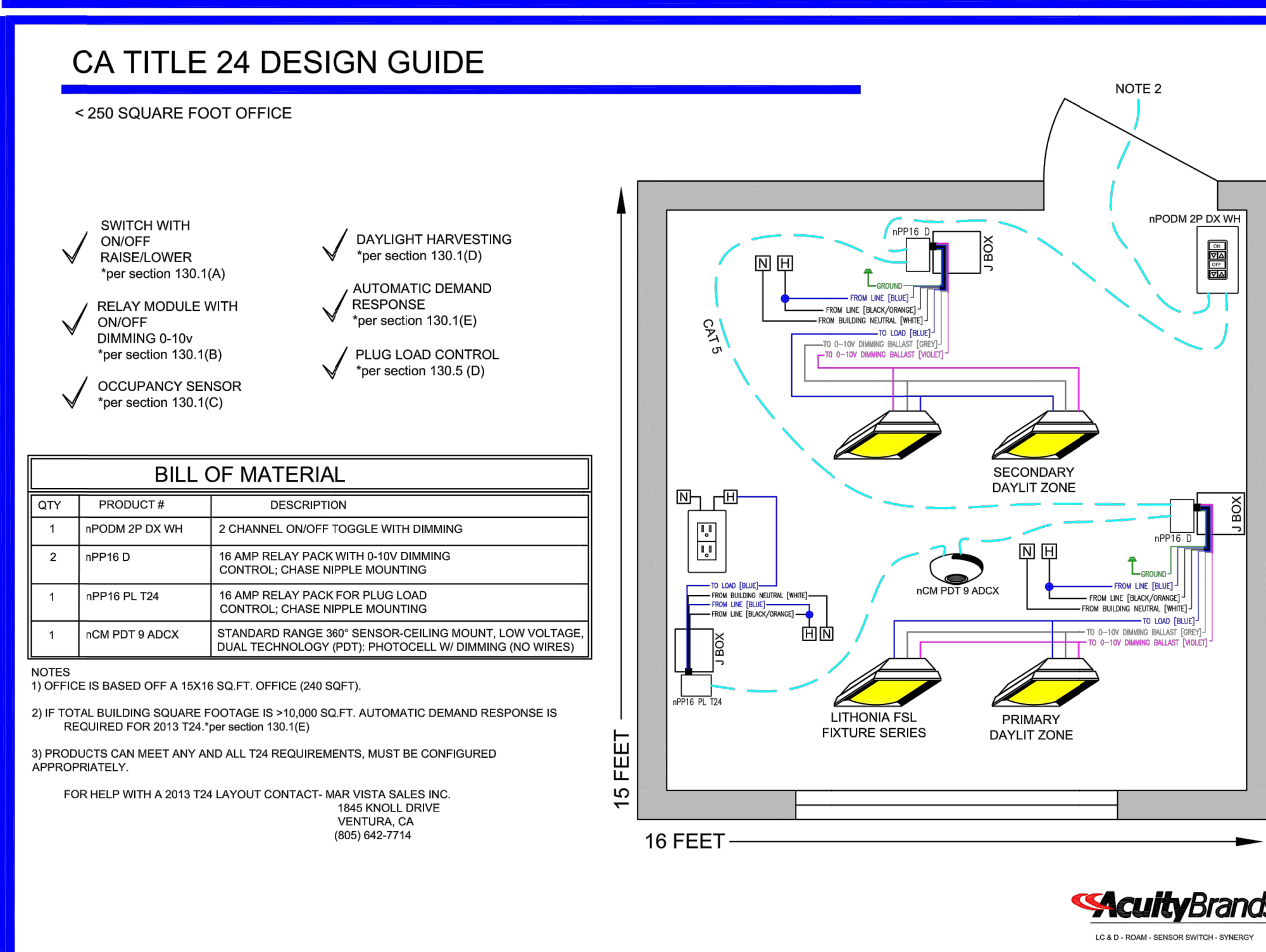
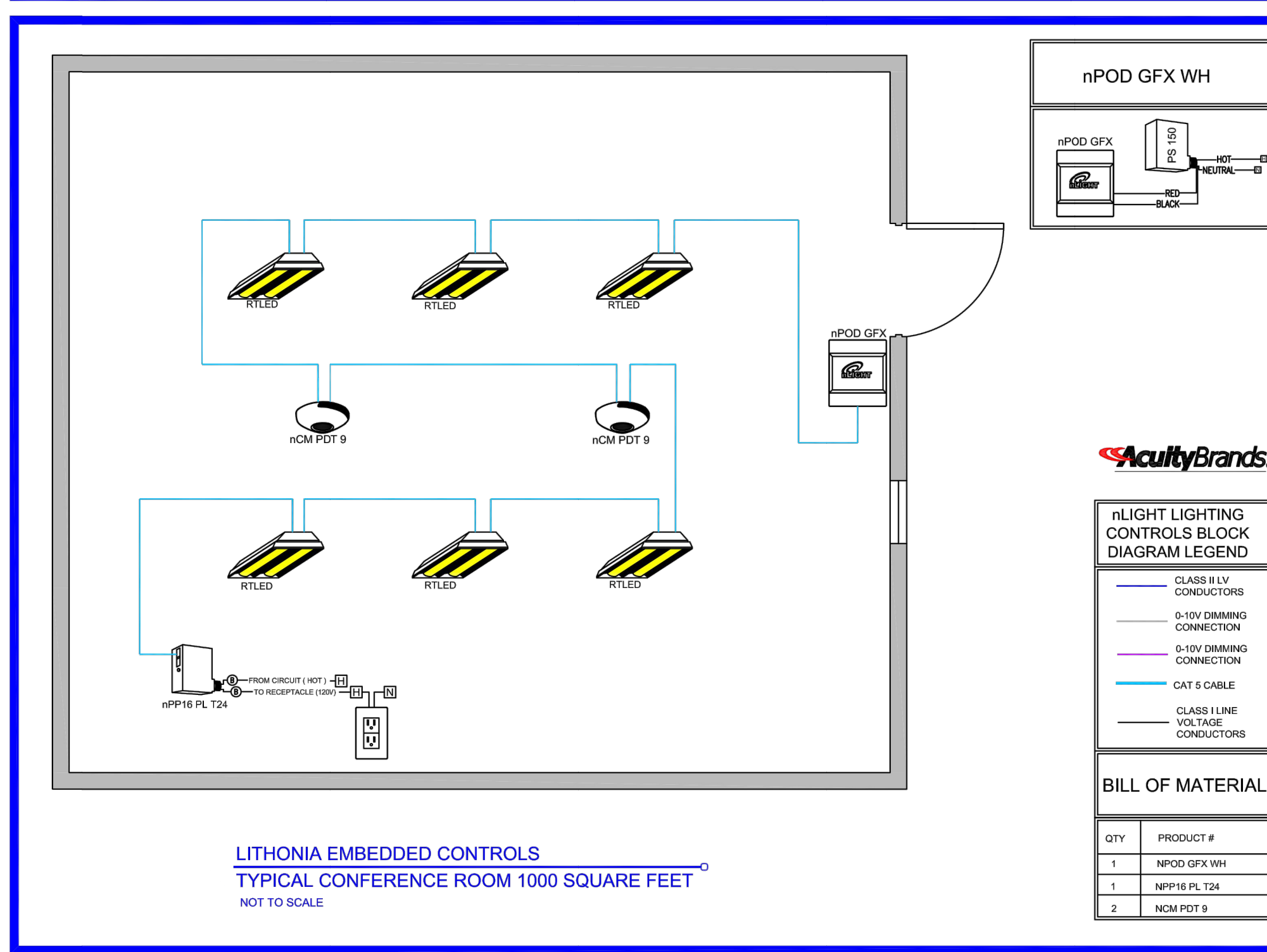
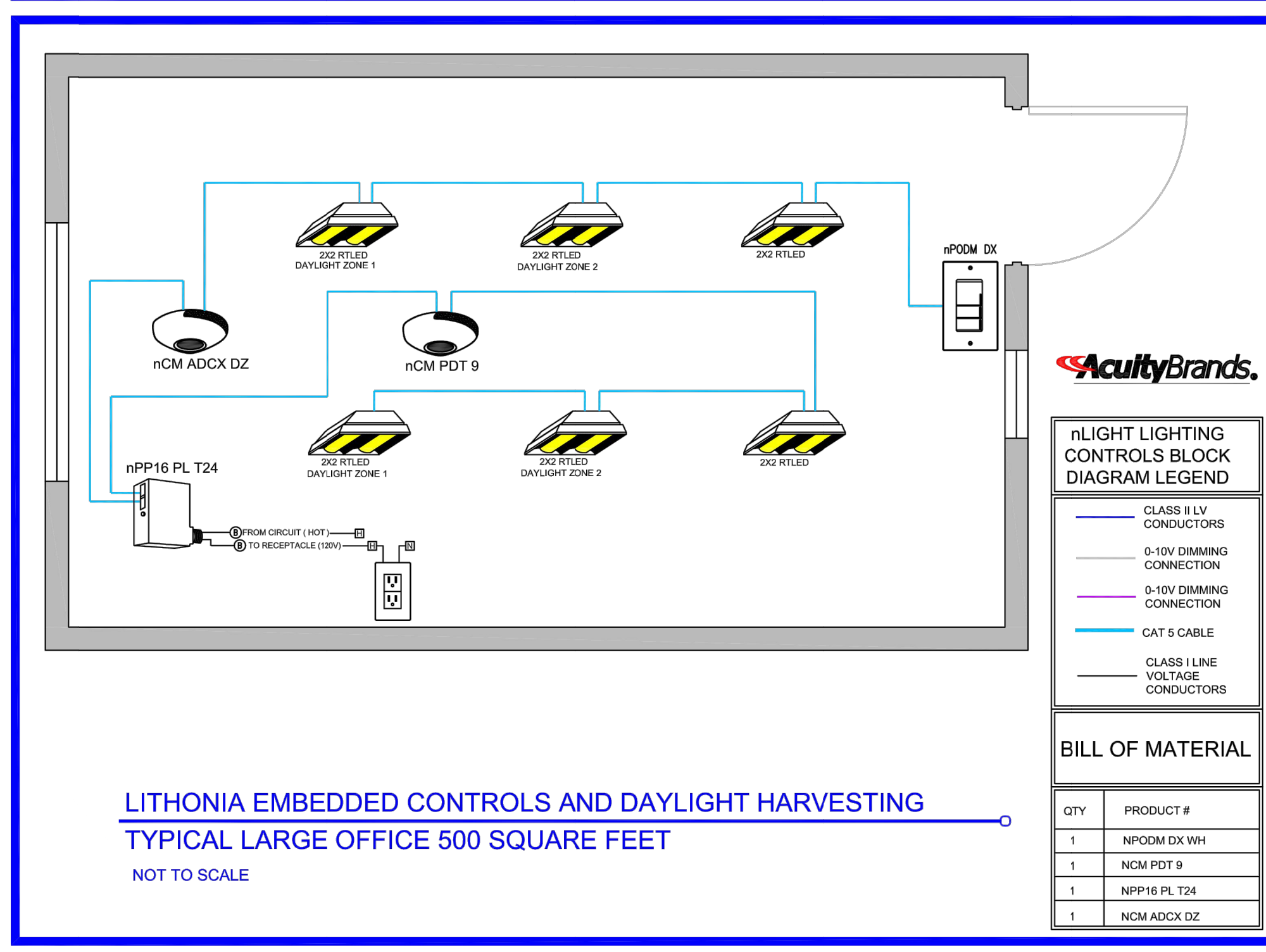
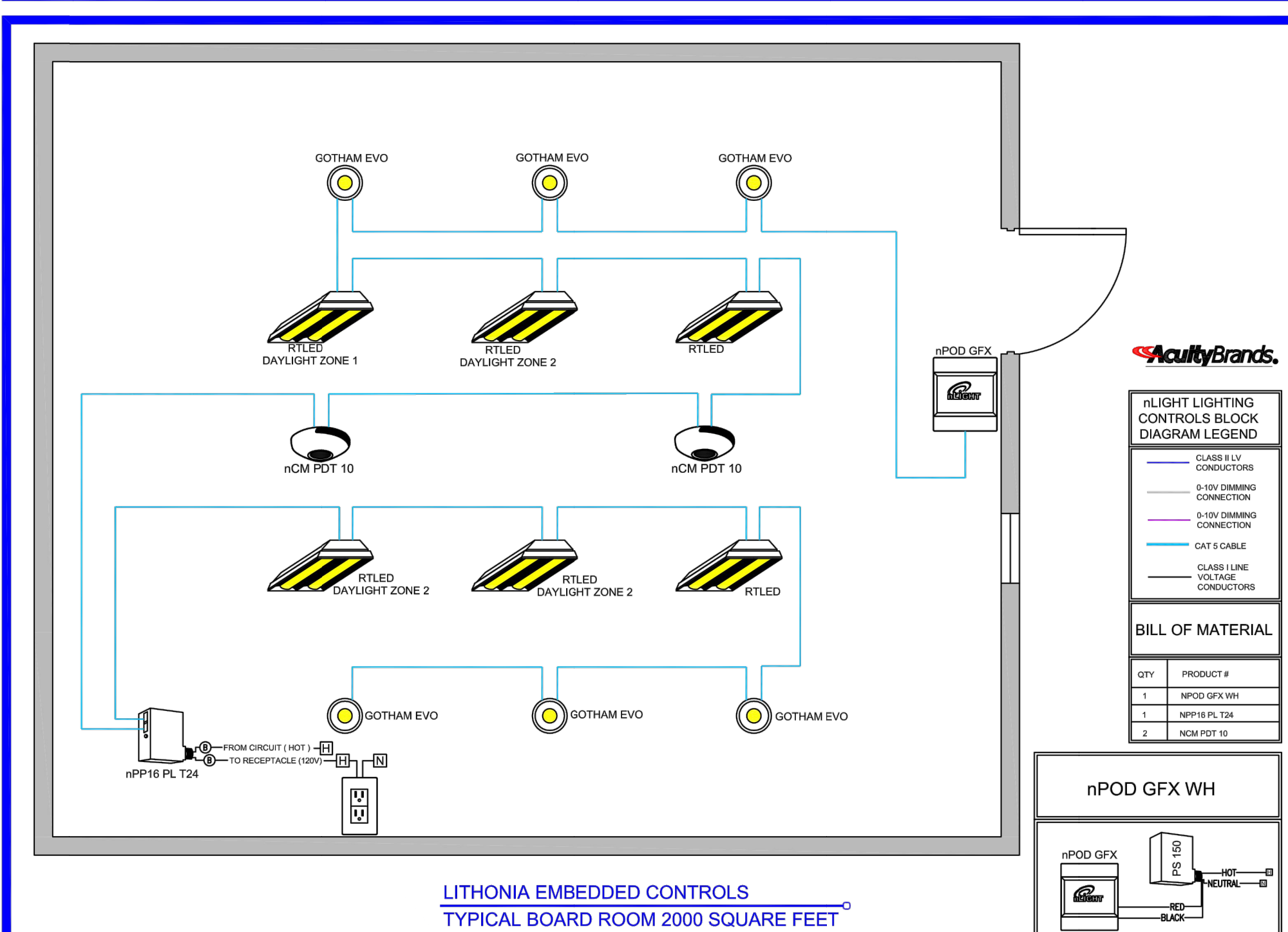
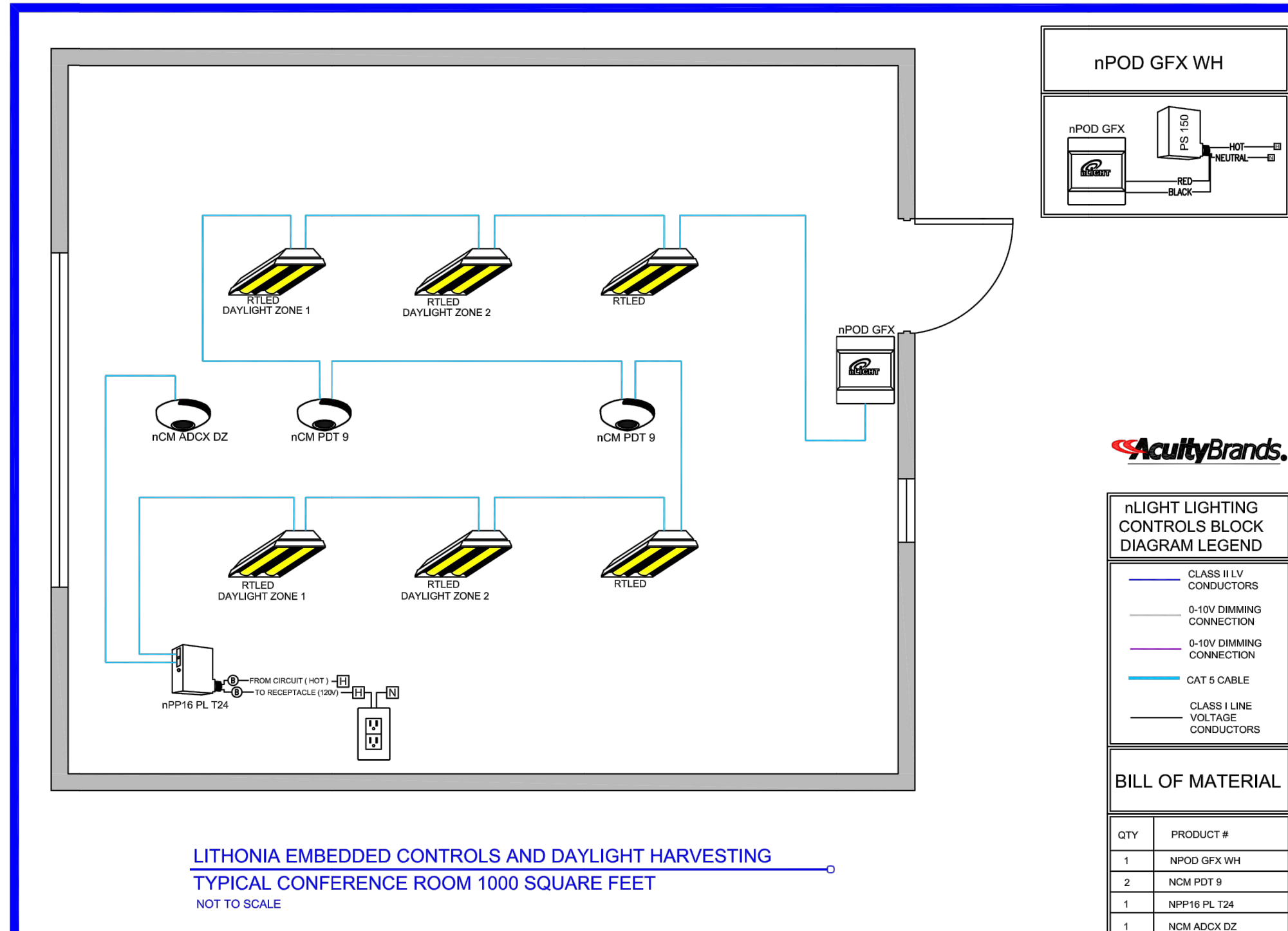
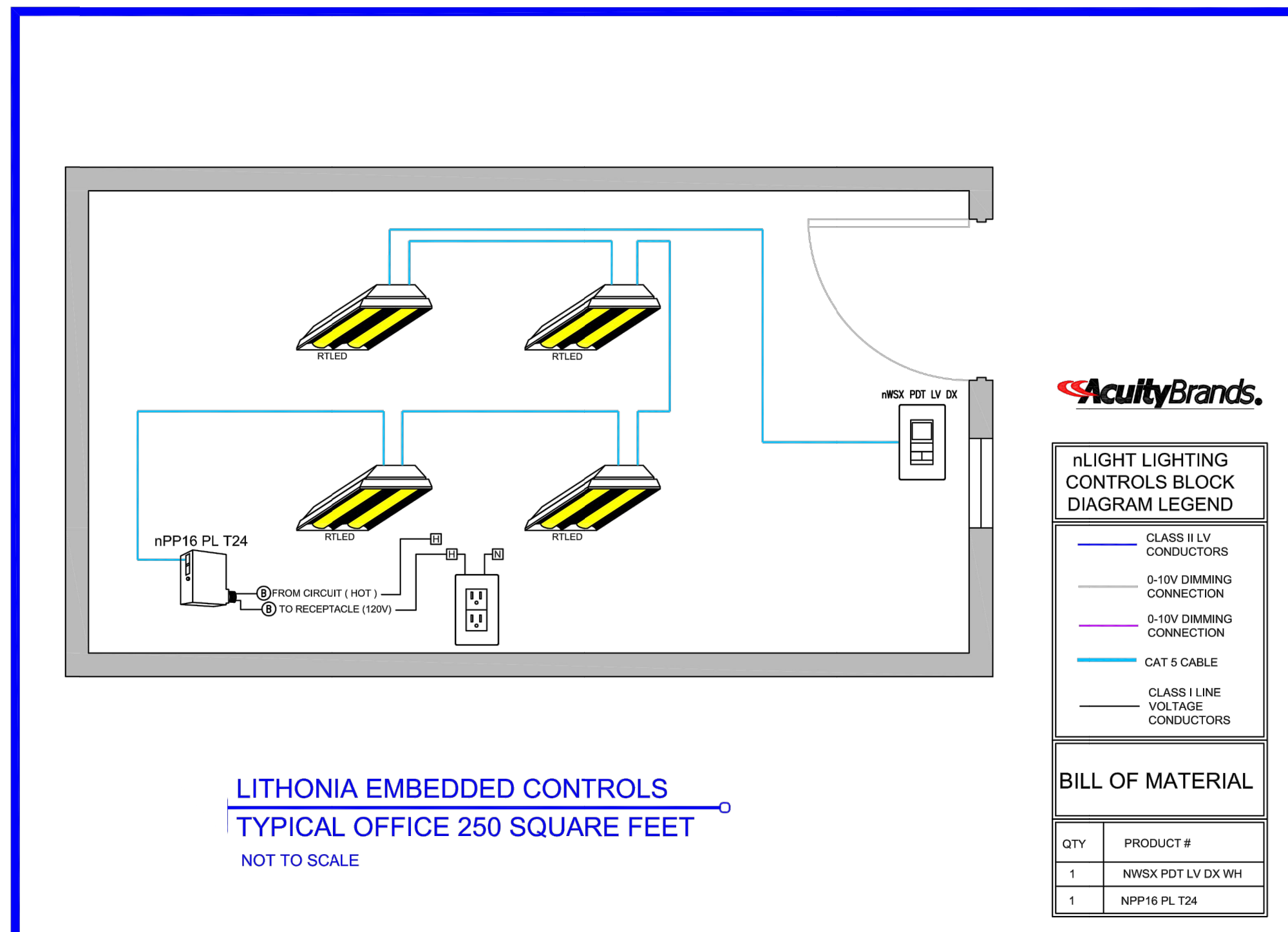
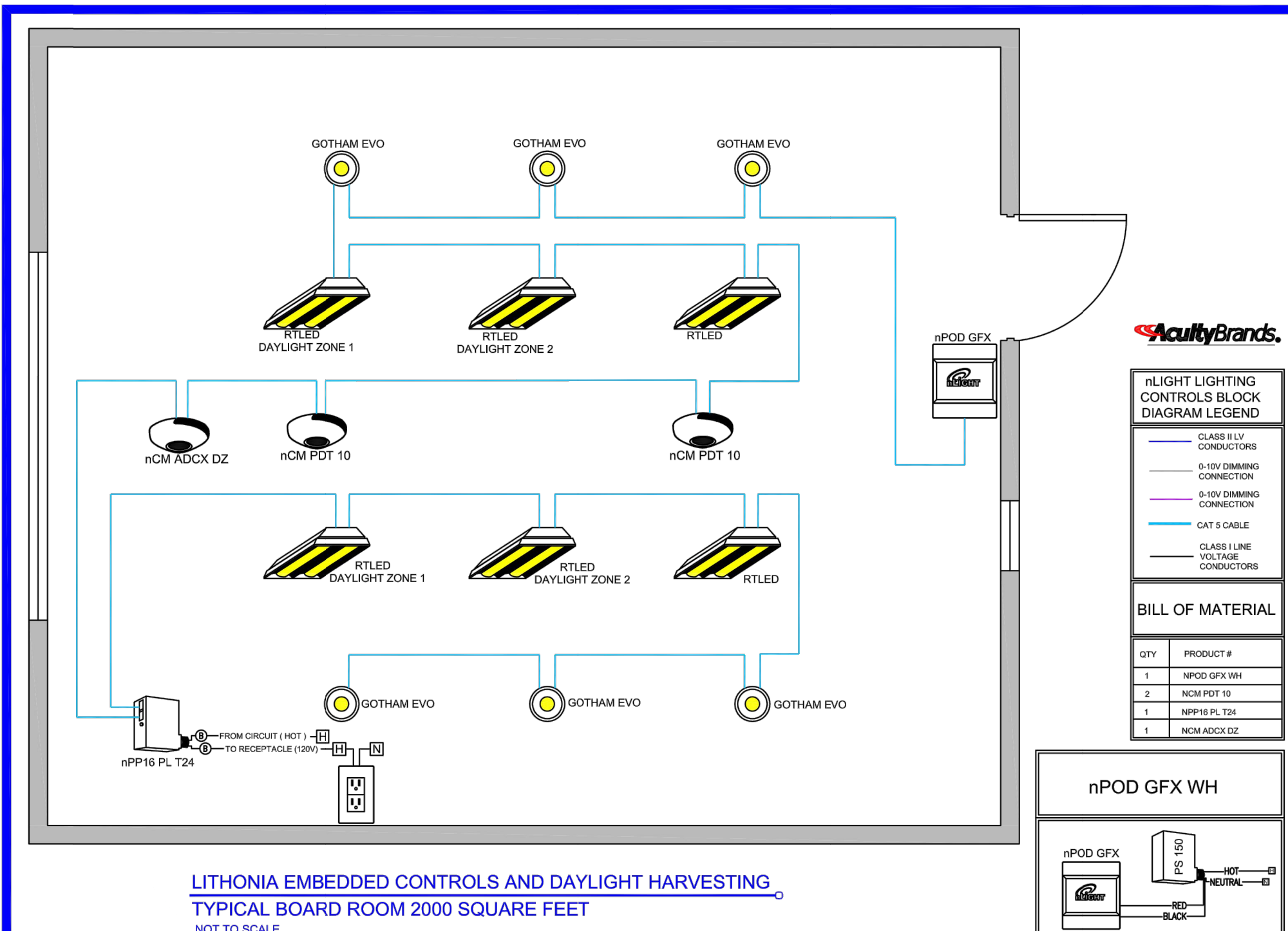
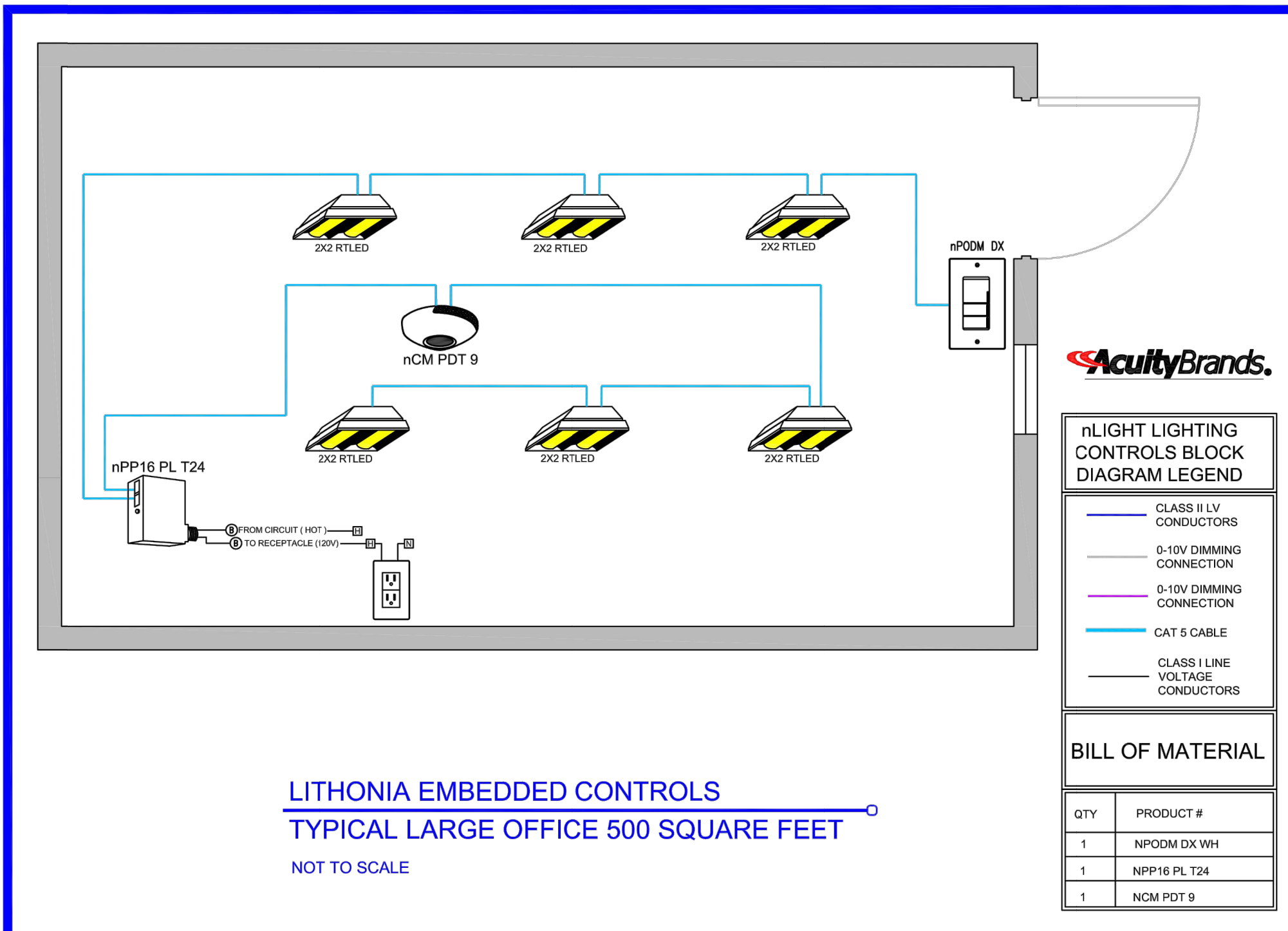
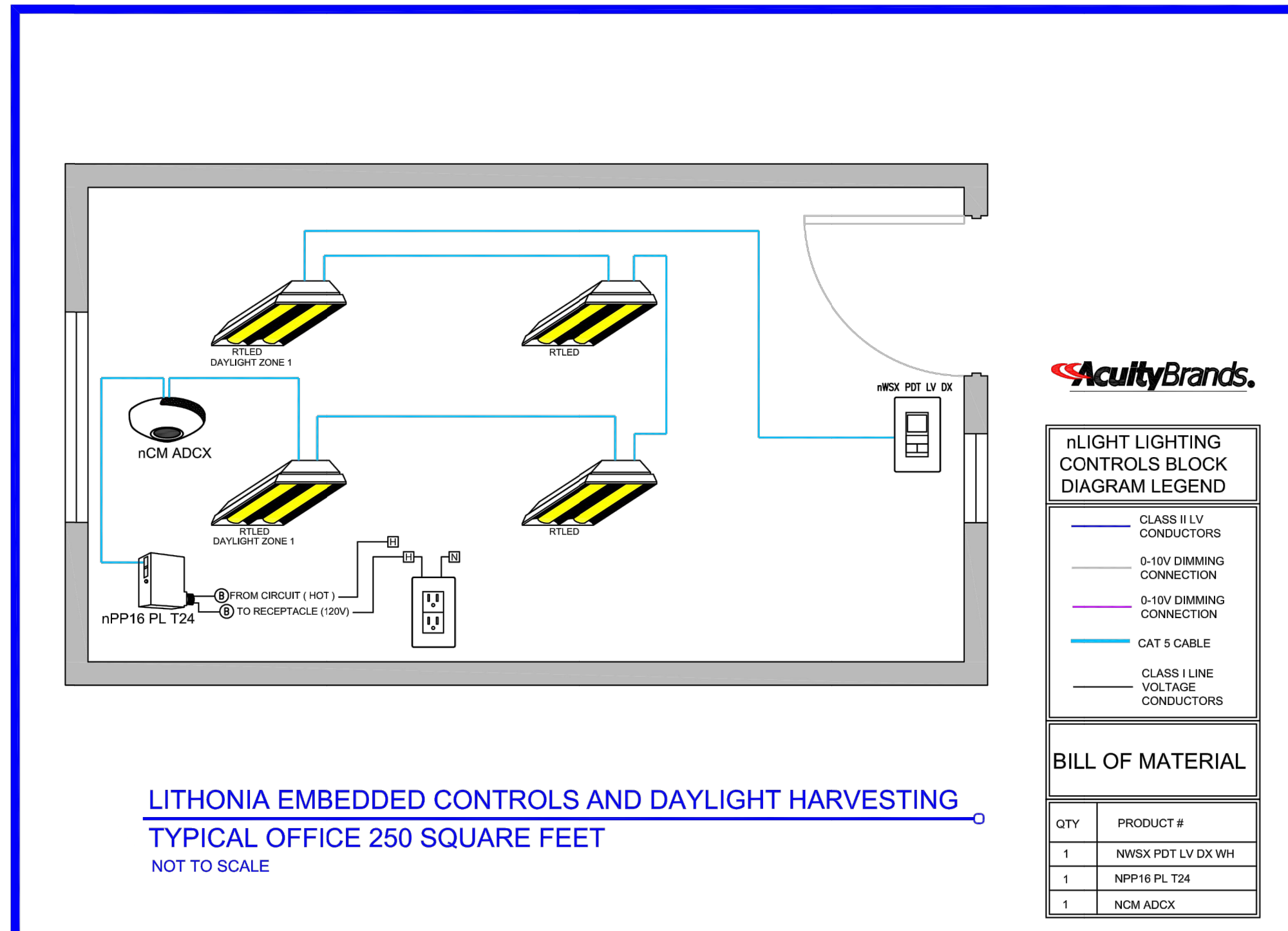
LIGHTING FIXTURE SCHEDULE							
TAG	SYMBOL	WATT	DESCRIPTION	LAMP - TYPE AND QUANTITY	MOUNTING	MANUFACTURER AND MODEL NUMBER	REMARKS
D1	○	15	6 INCH DOWNLIGHT	LED	RECESSED	LITHONIA #EVO-35/1500-6AR MVOLT-1SD-BC - N80	-
DS	○	22	6 INCH DOWNLIGHT WET LOCATION	LED	RECESSED	LITHONIA #EVO-35/1500-6DFD MVOLT-ECOS2 - N80	-
F1	▭	22	1' X4'	LED	SURFACE	LITHONIA # LBL4 40L EOHN LP835	-
F2	▭	39	2' X4' TROFFER LED	LED	T-BAR	LITHONIA # 2VTL4- 40L-ADP-MVOLT-EZB-LP835-N80	PROVIDE DAYLIGHT HARVESTING PHOTOCELL IN OFFICES/AREAS WITH WINDOWS
EM F2	▭	39	2' X4' TROFFER LED EMERGENCY	LED	T-BAR	LITHONIA # 2VTL4- 40L-ADP-MVOLT-EZB-LP835-N80-EL14L	WITH EL14L (1400 LUMEN BATTERY PACK)
P1	▭	36	PENDANT 8'-0"	LED	PENDANT	PEERLESS BRUNO #BRW9L-LSL-MSLB-80CR1-35K-ID1000LMF-30/70-DARK-NLIGHT 120-50T-PIR-F1A-24A-G110-MCSJ	-
WW	○	12	WALL WASHER	LED	T-BAR	LITHONIA #EVO-WW-35/20-6AR-LS-MVOLT-EZ1-NPS80EZ	-
X	⊗ OR ⊙	7	EXIT SIGN WITH BATTERY	LED	UNIVERSAL	LITHONIA # LRP-1-CC-120-277-EL-N	ARROW AS REQUIRED PER PATH OF EGRESS
Y0	⊙	50	AREA LIGHT	LED	PENDANT	KENALL TD170MSSTPLG50L50KDV	-

DEVICE/CONTROL LEGEND	
TAG	DESCRIPTION
C5	CAT 5 CABLE
\$v	VACANCY SENSOR SWITCH
\$OS	OCCUPANCY SENSOR SWITCH - LINE VOLTAGE DUAL LEVEL WSD PDT 2P
\$OL	nLIGHT WALL SWITCH DECORA OCCUPANCY SENSOR DUAL TECHNOLOGY (PDT) LOW VOLTAGE ON/OFF/RAISE/LOWER CONTROL #nWSXPDTLVDXWH
GFX	nPOD GFX GRAPHIC WALLPOD
D1	nLIGHT ON/OFF RAISE LOWER #nPODMDXWH
D2	nLIGHT DIMMER 2 CHANNEL ON/OFF TOGGLE #nPODM2PDXWH
D4	nLIGHT DIMMER 4 CHANNEL TOGGLE WITH DIMMING #nPODM4PDXWH
RP	nLIGHT RELAY PACK #nPP16
RPO	nLIGHT RELAY PACK WITH 0-10V DIMMING CONTROL #nPP16D
RPL	nLIGHT RELAY PLUG LOAD CONTROL #nPP16PLT24 (USED TO SWITCH CONTROLLED OUTLETS)
OS	nLIGHT STANDARD RANGE 360° SENSOR CEILING MOUNT, LOW VOLTAGE DUAL TECHNOLOGY #nCMPDT9
OS <sub>LV</sub>	LINE VOLTAGE OCCUPANCY SENSOR CEILING MOUNT 120/277V SENSOR SWITCH
OSP	nLIGHT STANDARD RANGE 360° SENSOR CEILING MOUNT, LOW VOLTAGE DUAL TECHNOLOGY (PDT) PHOTOCELL WITH DIMMING (NO WIRES) #nCMPDT9ADCX
AOSP	nLIGHT AUTOMATIC DIMMING CONTROL PHOTOCELL, CEILING MOUNT, LOW VOLTAGE DUAL ZONE #nCMAADCXDZ
MAOSP	nLIGHT AUTOMATIC DIMMING CONTROL PHOTOCELL, CEILING MOUNT, LOW VOLTAGE DUAL ZONE WITH OCCUPANCY SENSOR #nCMPDT10ADCXDZ
PP2	POWER PACK, 2 LEVEL, 120/277VAC DUAL VOLTAGE
PC	PHOTOCELL 120/277VAC
RPT	nLIGHT TRACK MAGNETIC DIMMER PCDMLV NSP5
CDP	nLIGHT CONTROLLER DIMMER PACK #nPS80EZ
PCD	nLIGHT INCANDESCENT PHASE CONTROLLED DIMMING

REVISIONS	DATE	BY
△		
△		
△		
△		
△		
△		
<b>ROY E COLBERT</b>		
<b>ARCHITECTURE PLANNING DESIGN</b>		
<b>353 SAN JON ROAD VENTURA, CA 93001</b>		
805 / 650 - 9590 PH 805 / 650 - 9589 FX rcolb@abglobal.net CALIFORNIA C12050 N.C.A.R.B.		
<b>LUCCI &amp; ASSOCIATES INC.</b> CONSULTING ELECTRICAL ENGINEERS 3851 CORTE MALPASO, #511 CAMARILLO, CA 93012-8094 (805) 389-6520 FAX (805) 389-6519 Web Site <a href="http://www.lucciland.com">http://www.lucciland.com</a>		
LUCCI & ASSOCIATES, INC. reserves their copyright and other property rights in these plans. These plans and drawings are not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without first obtaining the expressed written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining such written permission and consent.		
This project has been designed by me, or under my direct supervision.		
<b>VENTURA COUNTY COMMUNITY COLLEGE DISTRICT</b>		
<b>VENTURA COLLEGE</b> 4667 Telegraph Road Ventura, CA 93003		
<b>M&amp;O: MAINTENANCE &amp; OPERATIONS ADMIN RENOVATION</b>		
<b>PROJECT DIRECTORY</b>		
SOILS ENGINEER / SEPTIC SYSTEM: XXXX		
CIVIL ENGINEER: XXXX		
STRUCTURAL ENGINEER: XXXX		
ELECTRICAL ENGINEER: LUCCI & ASSOCIATES KEN LUCCI 805/389-6520		
MECHANICAL ENGINEER: XXXX		
LANDSCAPE ARCHITECT: XXXX		
WATER SYSTEM / FIRE PROTECTION SYSTEM: XXXX		
<b>LIGHTING FIXTURE SCHEDULE AND CONTROL LEGEND</b>		
SHEET NAME		
09-03-2017		
DATE		
AS SHOWN		
SCALE		
C16 - 006		
PROJECT		
<b>E3.00.1</b>		
SHEET NUMBER OF SHEETS		

THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS.

DATE: 3 September 2017 TIME: 12:45 pm  
 DRAFTER: Lee Keener DRAWING FILENAME: 16247E300-2 PATHNAME: G:\16247\EL\Sheets  
 This project record document, drawings and specifications have been prepared on the basis of data compiled and furnished by others. Roy E Colbert, Architect will not be responsible for errors or omissions resulting from that data being incorporated into this document. These drawings and specifications, and the incorporated ideas and designs, constitute an instrument of professional service and are the sole property of Roy E Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E Colbert, Architect.



REVISIONS	DATE	BY

**ROY E COLBERT**

ARCHITECTURE  
PLANNING  
DESIGN

353 SAN JON ROAD  
VENTURA, CA 93001

805 / 650 - 9590 PH  
805 / 650 - 9589 FX  
rcolb@sbglobal.net  
CALIFORNIA C12050  
N.C.A.R.B.

**LUCCI & ASSOCIATES INC.**  
CONSULTING ELECTRICAL ENGINEERS  
3551 CORTE MALPASO, #511  
CAMARILLO, CA 93012-8094  
(805) 389-6520 FAX (805) 389-6519  
Web Site <http://www.lucciant.com>

LUCCI & ASSOCIATES, INC. reserves the copyright and other proprietary rights in these plans. These plans and drawings are not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission and consent of LUCCI & ASSOCIATES, INC. nor are they to be assigned to any third party without obtaining prior written permission and consent.



This project has been designed by me, or under my direct supervision.

VENTURA COUNTY  
COMMUNITY  
COLLEGE DISTRICT

VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

M&O:  
MAINTENANCE &  
OPERATIONS ADMIN  
RENOVATION

**PROJECT DIRECTORY**

- SOILS ENGINEER / SEPTIC SYSTEM: XXXX
- CIVIL ENGINEER: XXXX
- STRUCTURAL ENGINEER: XXXX
- ELECTRICAL ENGINEER: LUCCI & ASSOCIATES KEN LUCCI 805/389.6520
- MECHANICAL ENGINEER: XXXX
- LANDSCAPE ARCHITECT: XXXX
- WATER SYSTEM / FIRE PROTECTION SYSTEM: XXXX

**nLIGHT ROOM LAYOUTS**

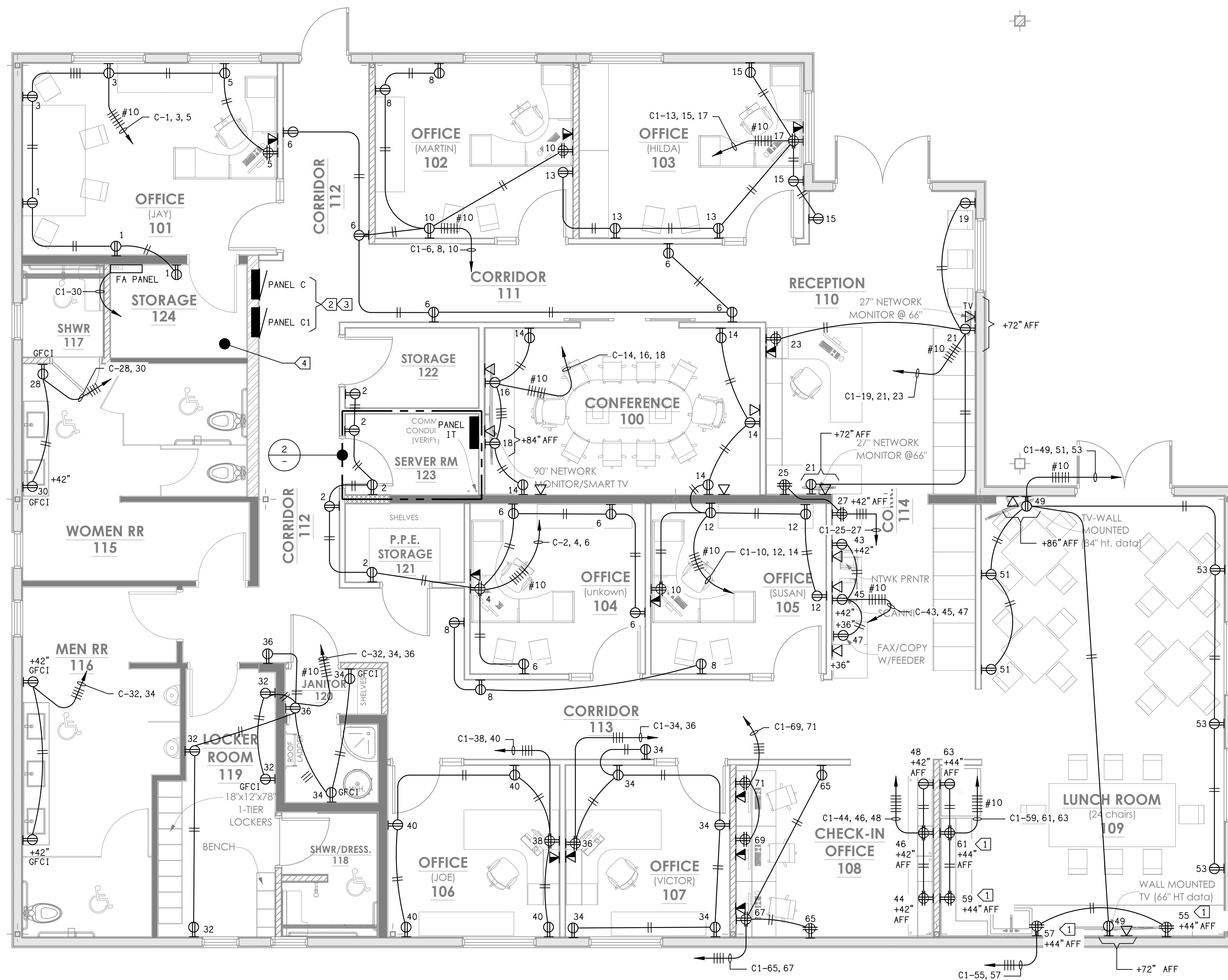
SHEET NAME	
DATE	09-03-2017
SCALE	AS SHOWN
PROJECT	C16 - 006
SHEET NUMBER	E3.00.2 OF SHEETS

THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS.

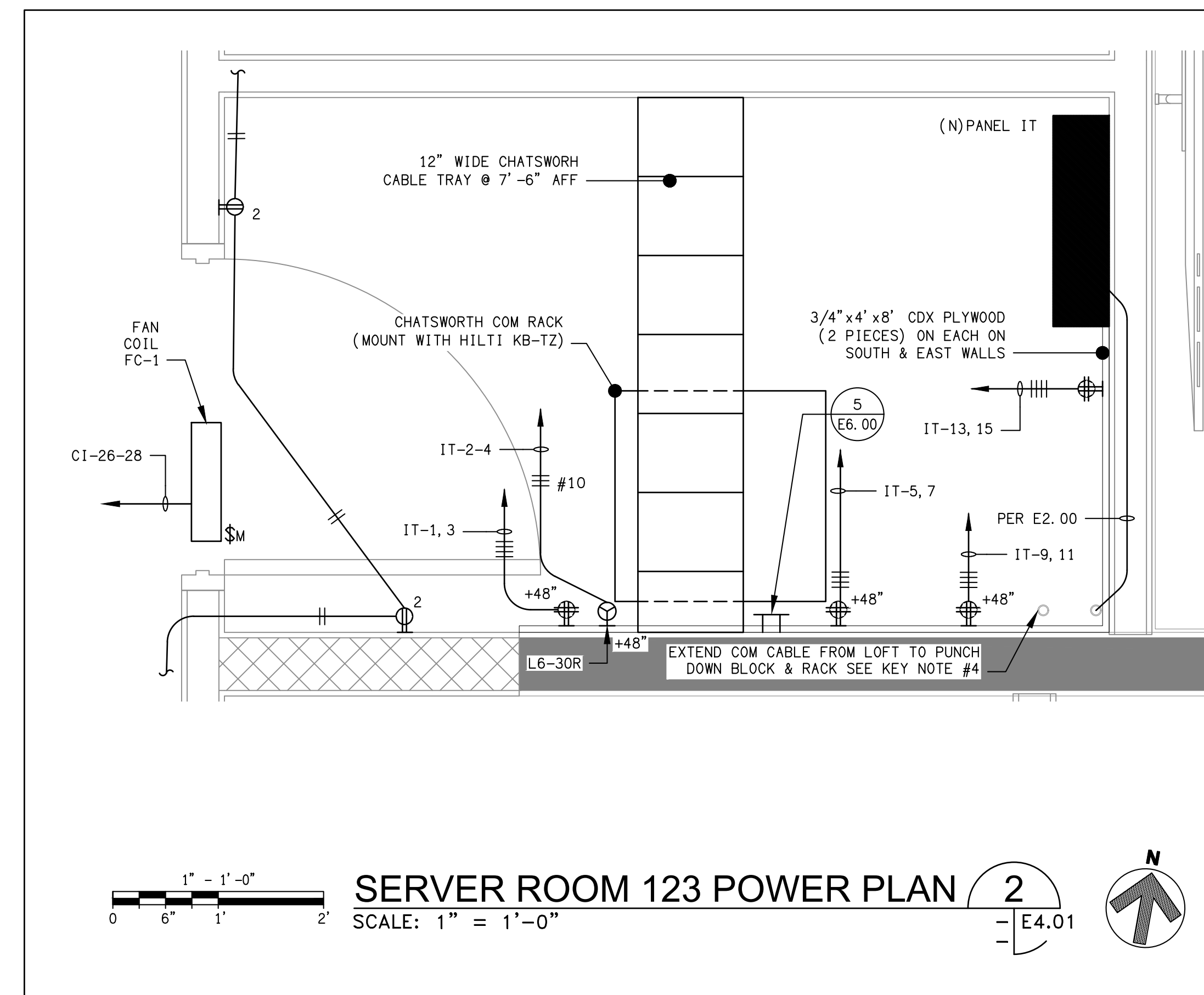




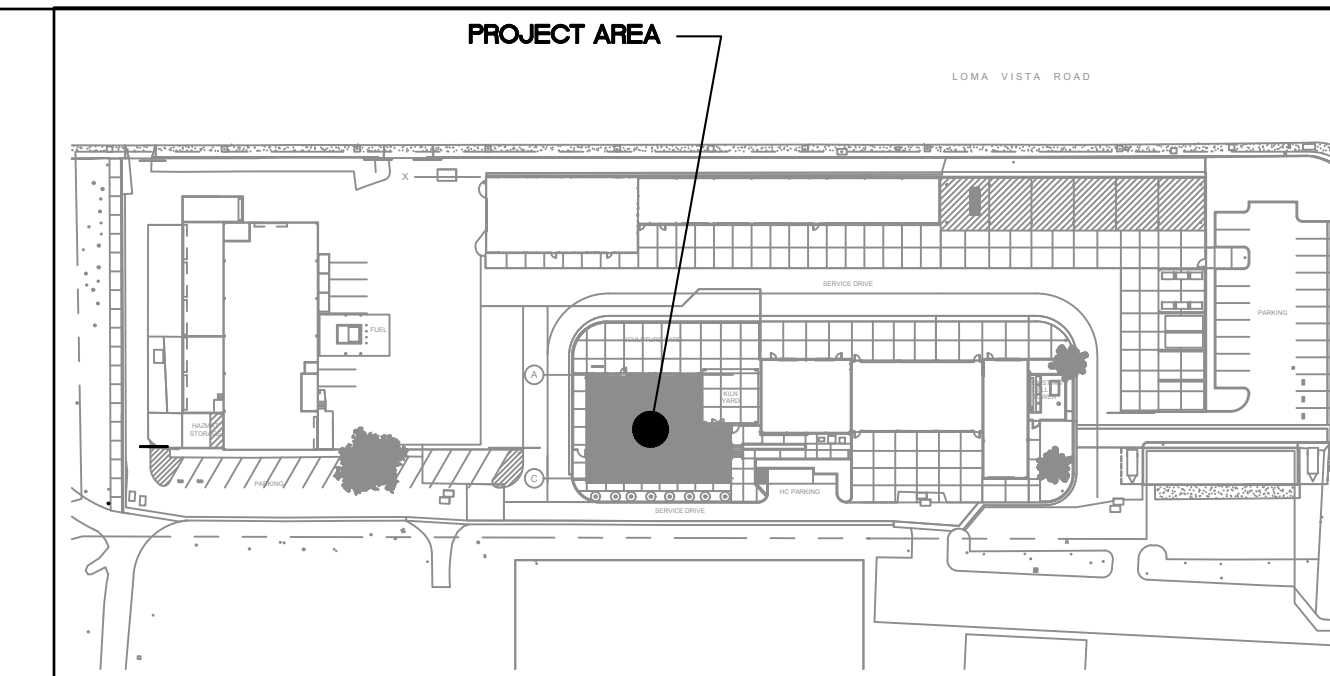
DRAFT: Lee Keener    DRAWING FILENAME: 16247E401    PATHNAME: G:\16247E\16247E401    DATE: 3 September 2017    TIME: 12:46 pm  
 This project record document, drawings and specifications, have been prepared on the basis of data compiled and furnished by others. Roy E Colbert, Architect will not be responsible for errors or omissions resulting from that data being incorporated into this document. These drawings and specifications, and the incorporated ideas and designs, constitute an instrument of professional service and are the sole property of Roy E Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E Colbert, Architect.  
 Professional service and are the sole property of Roy E Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E Colbert, Architect.



**POWER & COM PLAN 1**  
 SCALE: 1/4" = 1'-0"  
 E4.01



**SERVER ROOM 123 POWER PLAN 2**  
 SCALE: 1" = 1'-0"  
 E4.01



**KEY MAP**

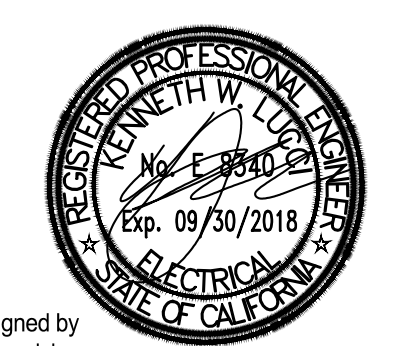
- SHEET NOTES:**
- CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN AND FINISH.
  - COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
  - CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
  - 3/4" CONDUIT MINIMUM U.O.N.
  - PROVIDE CODE SIZE EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
  - ALL DEVICES WITH IG SUBSCRIPT, ARE ISOLATED GROUND RECEPTACLES WITH SEPARATE IG CONDUCTOR TO PANELBOARD.
  - PROVIDE CONTROLS FOR MECHANICAL EQUIPMENT PER MECHANICAL DOCUMENTS. VERIFY LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT ON MECHANICAL DOCUMENTS.
  - VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
  - VERIFY THE EXACT ROUTING OF ALL EXPOSED CONDUIT WITH OWNER PRIOR TO INSTALLATION.

- KEY NOTES:**
- GFCI RECEPTACLE.
  - REINSTALL PANEL COVERS ON ALL PANELS AFTER REWORK OF WALL.
  - REMOVE EXTRA GROUND BOND AT BOTTOM OF C1.
  - COM CABLE IS EXTRA LONG & ON TOP OF THIS ROOM AREA. PULL CABLE THRU EXISTING CONDUIT IN WALL INTO SERVER ROOM & "PUNCH DOWN" AS REQUIRED.

REVISIONS	DATE	BY

**ROY E COLBERT**  
 ARCHITECTURE  
 PLANNING  
 DESIGN  
 353 SAN JON ROAD  
 VENTURA, CA 93001  
 805 / 650 - 9590 PH  
 805 / 650 - 9589 FX  
 rcolb@abcglobal.net  
 CALIFORNIA C12050  
 N.C.A.R.B.

**LUCCI & ASSOCIATES INC.**  
 CONSULTING ELECTRICAL ENGINEERS  
 3851 CORTE MALPASO, #511  
 CAMARILLO, CA 93012-8094  
 (805) 389-6520 FAX (805) 389-6519  
 Web Site: <http://www.lucciland.com>  
 Lucci & Associates, Inc. reserves their copyright and other property rights in these plans. These plans and drawings are not to be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission and consent of Lucci & Associates, Inc. nor are they to be assigned to any third party without obtaining the written permission and consent.



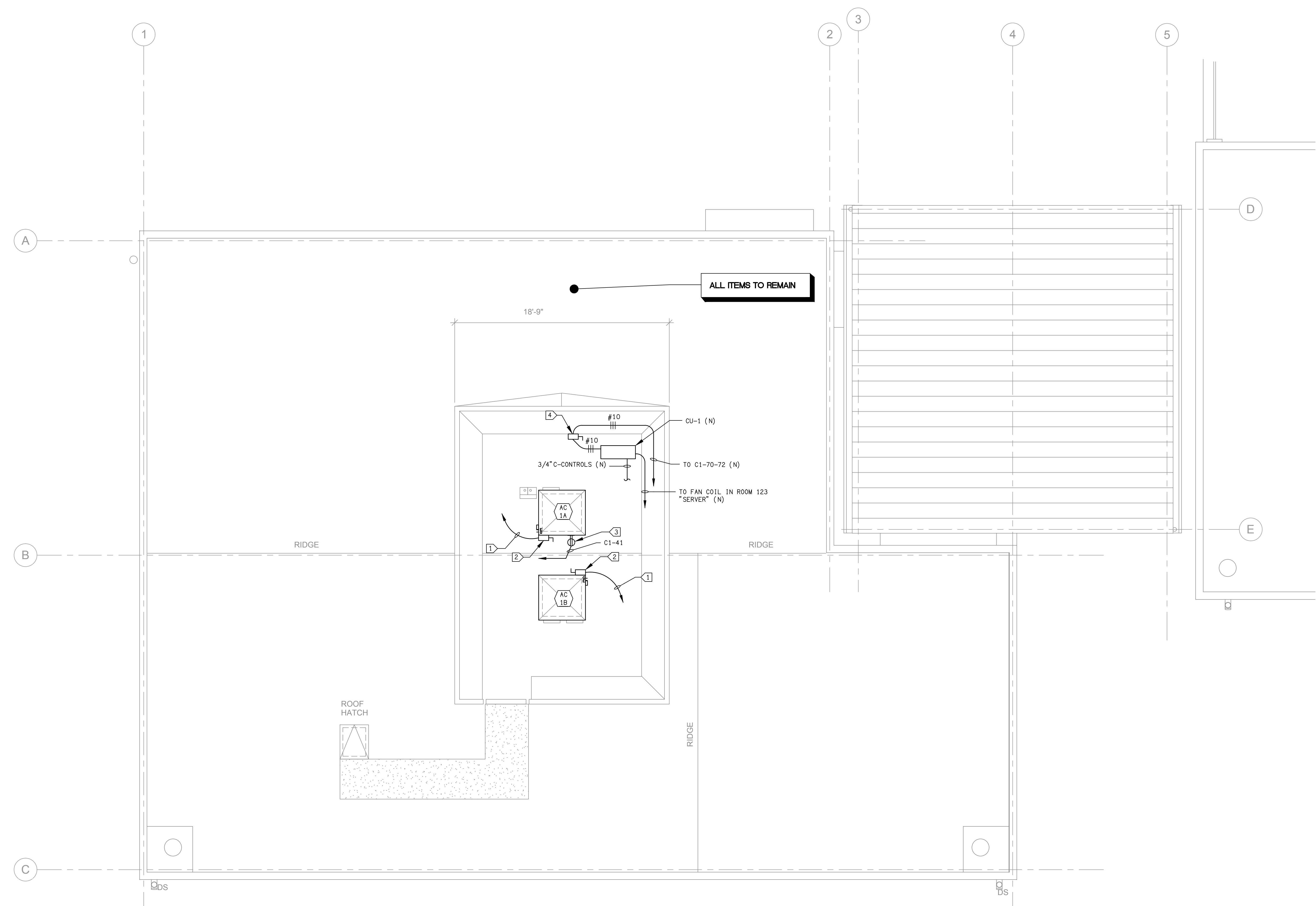
This project has been designed by me, or under my direct supervision.

**VENTURA COUNTY  
 COMMUNITY  
 COLLEGE DISTRICT**  
 VENTURA COLLEGE  
 4667 Telegraph Road  
 Ventura, CA 93003  
**M&O:  
 MAINTENANCE &  
 OPERATIONS ADMIN  
 RENOVATION**

**PROJECT DIRECTORY**  
 SOILS ENGINEER / SEPTIC SYSTEM:  
 XXXX  
 CIVIL ENGINEER:  
 XXXX  
 STRUCTURAL ENGINEER:  
 XXXX  
 ELECTRICAL ENGINEER:  
 LUCCI & ASSOCIATES  
 KEN LUCCI  
 805/389.6520  
 MECHANICAL ENGINEER:  
 XXXX  
 LANDSCAPE ARCHITECT:  
 XXXX  
 WATER SYSTEM / FIRE PROTECTION SYSTEM:  
 XXXX

**POWER & COM PLAN**  
 SHEET NAME  
 DATE: 09-03-2017  
 SCALE: AS SHOWN  
 PROJECT: C16 - 006  
**E4.01** 00  
 SHEET NUMBER OF SHEETS

DRAFTER: Lee Keener    DRAWING FILENAME: 16247E420    DATE: 3 September 2017    TIME: 12:46 pm    PATHNAME: G:\16\247E\1\Sheets  
 This project record document, drawings and specifications, have been prepared on the basis of data compiled and furnished by others. Roy E Colbert, Architect will not be responsible for errors or omissions resulting from that data being incorporated into this document. These drawings and specifications, and the incorporated ideas and designs, constitute an instrument of professional service and are the sole property of Roy E Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E Colbert, Architect.



- SHEET NOTES:**
- CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN AND FINISH.
  - CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWING. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
  - COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
  - CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
  - 3/4" CONDUIT MINIMUM U. O. N.
  - PROVIDE CODE SIZE EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
  - ALL DEVICES WITH IG SUBSCRIPT, ARE ISOLATED GROUND RECEPTACLES WITH SEPARATE IG CONDUCTOR TO PANELBOARD.
  - PROVIDE CONTROLS FOR MECHANICAL EQUIPMENT PER MECHANICAL DOCUMENTS. VERIFY LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT ON MECHANICAL DOCUMENTS.
  - VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
  - VERIFY THE EXACT ROUTING OF ALL EXPOSED CONDUIT WITH OWNER PRIOR TO INSTALLATION.

- KEY NOTES:**
- (1) FEEDER AND DISCONNECT FOR MECHANICAL EQUIPMENT.
  - (X) (2) 3/4" C & CONTROLS.
  - (3) W. P. GFCI.
  - (N) (4) 30A, 2POLE, 240VAC NEMA 3R DISCONNECT WITH 20A FRN-RK FUSES.

REVISIONS	DATE	BY

**ROY E COLBERT**

ARCHITECTURE  
PLANNING  
DESIGN

353 SAN JON ROAD  
VENTURA, CA 93001

805 / 650 . 9590 PH  
805 / 650 . 9589 FX  
rcolb@sbjglobal.net  
CALIFORNIA C12050  
N.C.A.R.B.

**LUCCI & ASSOCIATES INC.**  
CONSULTING ELECTRICAL ENGINEERS  
3851 CORTE MALPASO, #511  
CAMARILLO, CA 93012-8094  
(805) 389-6520    FAX (805) 389-6519  
Web Site <http://www.luccieand.com>

LUCCI & ASSOCIATES, INC. reserves their copyright and other property rights in these plans. These plans and drawings are not to be reproduced, copied, or used in any way or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOCIATES, INC. nor are they to be assigned to any third party without obtaining such written permission and consent.



This project has been designed by me, or under my direct supervision.

VENTURA COUNTY  
COMMUNITY  
COLLEGE DISTRICT

VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

M&O:  
MAINTENANCE &  
OPERATIONS ADMIN  
RENOVATION

**PROJECT DIRECTORY**

SOILS ENGINEER / SEPTIC SYSTEM:  
XXXX

CIVIL ENGINEER:  
XXXX

STRUCTURAL ENGINEER:  
XXXX

ELECTRICAL ENGINEER:  
LUCCI & ASSOCIATES  
KEN LUCCI  
805/389.6520

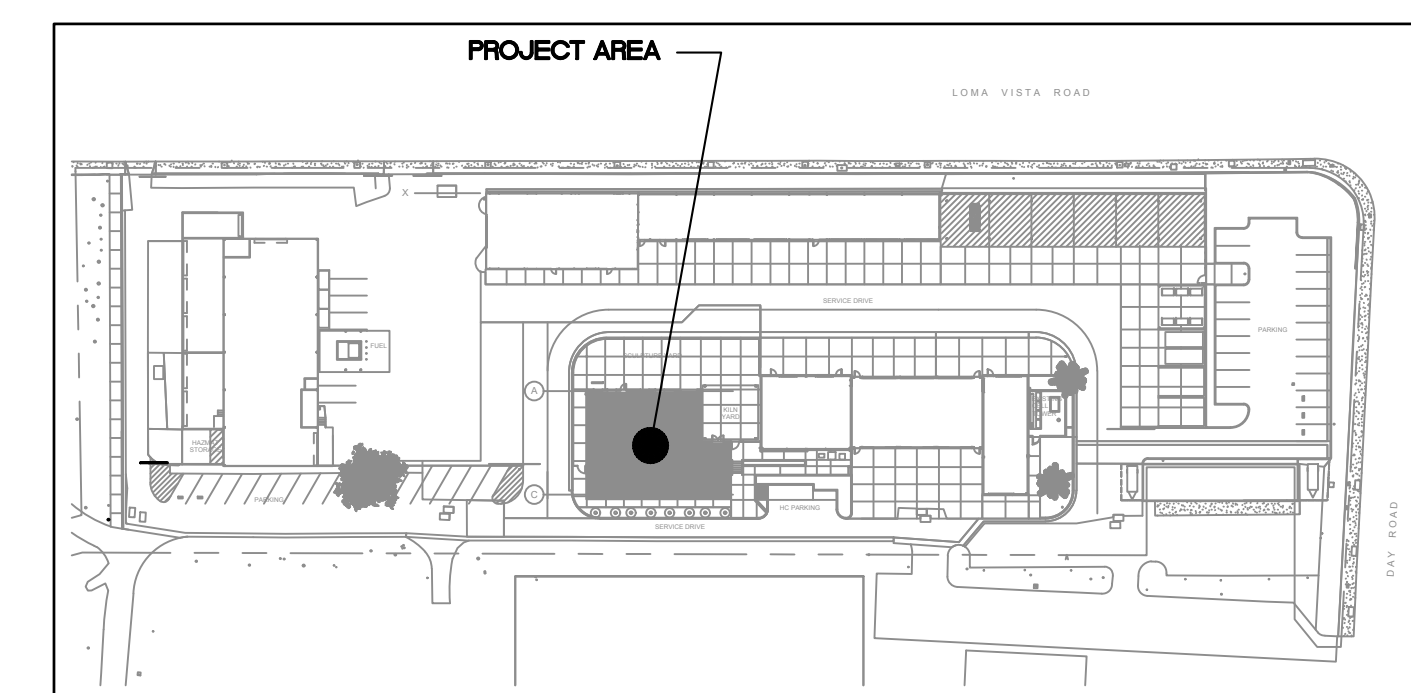
MECHANICAL ENGINEER:  
XXXX

LANDSCAPE ARCHITECT:  
XXXX

WATER SYSTEM / FIRE PROTECTION SYSTEM:  
XXXX

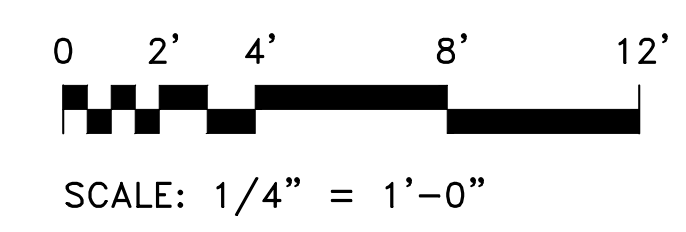
**ROOF ELECTRICAL  
PLAN - BUILDING C**

SHEET NAME	
DATE	09-03-2017
SCALE	AS SHOWN
PROJECT	C16 - 006
<b>E4.20</b>	<b>00</b>
SHEET NUMBER	OF SHEETS

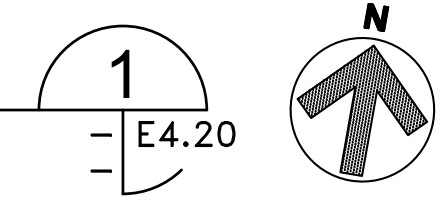


**KEY MAP**

THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS.



**ROOF ELECTRICAL PLAN - BUILDING C**  
SCALE: 1/4"=1'-0"







DATE: 3 September 2017  
 TIME: 12:46 pm  
 PATHNAME: G:\16247\EL\Sheets  
 DRAWING FILENAME: 16247E501  
 DRAFTER: Lee Keener  
 This project record document, drawings and specifications, have been prepared on the basis of data compiled and furnished by others. Roy E Colbert, Architect will not be responsible for errors or omissions resulting from that data being incorporated into this document. These drawings and specifications, and the incorporated ideas and designs, constitute an instrument of professional service and are the sole property of Roy E Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E Colbert, Architect.

FIRE ALARM EQUIPMENT LIST						
SYMBOL	MODEL NO	DESCRIPTION	MANUFACTURE	CSFM. NO.	MOUNTING	BACKBOX
[FACP]	7100-1	FIRE ALARM CONTROL PANEL	GAMEWELL/FCI	7165-1703-0105	WALL	PROVIDED
[RPS]	GFPS-6	NAC EXPANDER BUILT IN SYNCHRONIZATION	FCI	7300-1703-0167		
[ANN]	LCD-7100	FIRE ALARM ANNUNCIATOR PANEL	FCI	7165-1703-1025	WALL 60" □	
[M]	MS-7AF	ADDRESSABLE PULL STATION	FCI	7150-1703-0109	WALL	4" S x 1-1/2" D BOX
[ASD-PL2F]	ASD-PL2F	PHOTOELECTRIC SMOKE DETECTOR	FCI	7272-1703-0121	CEILING/WALL	4" S x 1-1/2" D BOX W/ADB-FL BASE
[VSR]	VSR	WATERFLOW SWITCH FBO W/ MONITOR MODULE	POTTER	7770-0328-1001	ON UNIT RISER	4" S x 1-1/2" D BOX
[T]	AMM-2F	TAMPER SWITCH FBO W/ MONITOR MODULE	FCI	7300-1703-0102		
[P2R]	P2R	MULTI-CNDL WALL HORN/STROBE 15/30/75/110cd	SYSTEM SENSOR	7125-1653-0188	WALL @ +80" AFF TO +96" AFF	WPBB-R
[HRK]	HRK	WEATHER PROOF HORN	SYSTEM SENSOR	7135-1653-11879	WALL @ +90" AFF	
[FIRE SPRINKLER RISER]		FIRE SPRINKLER RISER				
[JUNCTION BOX]		JUNCTION BOX				

System Current Draw 7100 Series Fire Alarm Control Panel						
Standby Current			Alarm Current			
Device	Qty	Draw	Standby	Qty	Draw	Alarm
<b>1. System</b>						
Basic System Module 1 for 2 SLC	1	x 0.06500	0.06500	1	x 0.08500	0.08500
Optional Remote Serial Annunciator (LCD-7100)	1	x 0.05000	0.05000	1	x 0.07500	0.07500
<b>2. Sensors</b>						
ASD-PL2F Smoke Detector	22	x 0.00030	0.00660	22	x 0.00650	0.14300
<b>3. Modules</b>						
MS-7AF	2	x 0.00030	0.00060	2	x 0.00700	0.01400
<b>4. Notification Appliances</b>						
P2R110	2	x 0.00000	0.00000	2	x 0.22100	0.44200
	0	x 0.00000	0.00000	0	x 0.00000	0.00000
<b>Total Standby Load:</b>		0.122 A		<b>Total Alarm Load:</b>		0.759 A

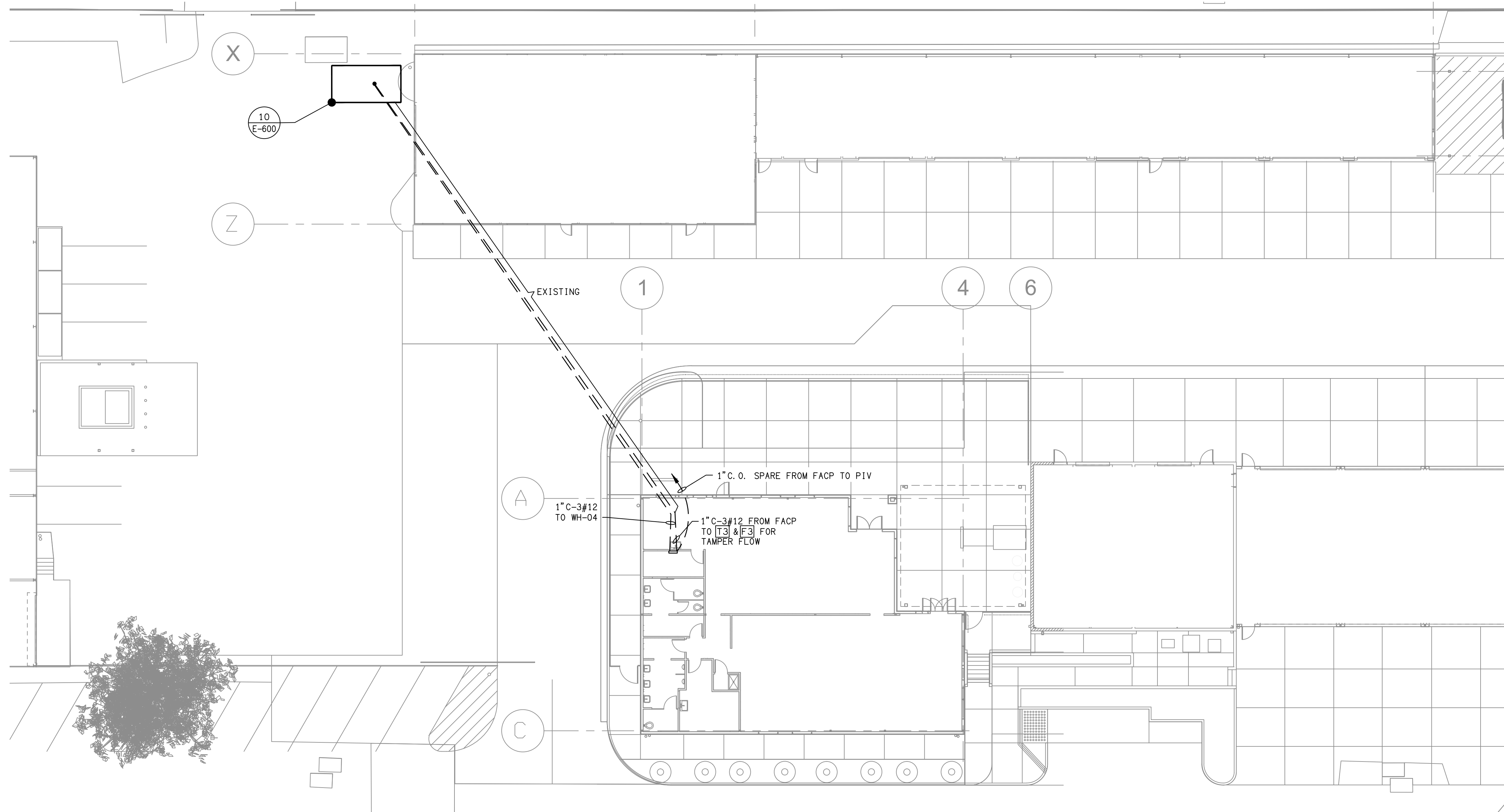
System Power Requirements 7100 Series Fire Alarm Control Panel			
<b>Secondary Load Requirements</b> 11.46 Amp Hours			
Total Secondary Load from the calculation table below.			
Current Draw	Time (hours)	Total (AH)	
Standby Load 0.157 A	x 60 hours	9.42	
Alarm Load 0.759 A	x 0.166 hours	0.13	
<b>Total Secondary Load:</b>		9.55	
		Derating factor x 1.20	
<b>Secondary Load Requirements:</b>		11.46 AH	

**Battery Selection** 12.00 Amp Hours

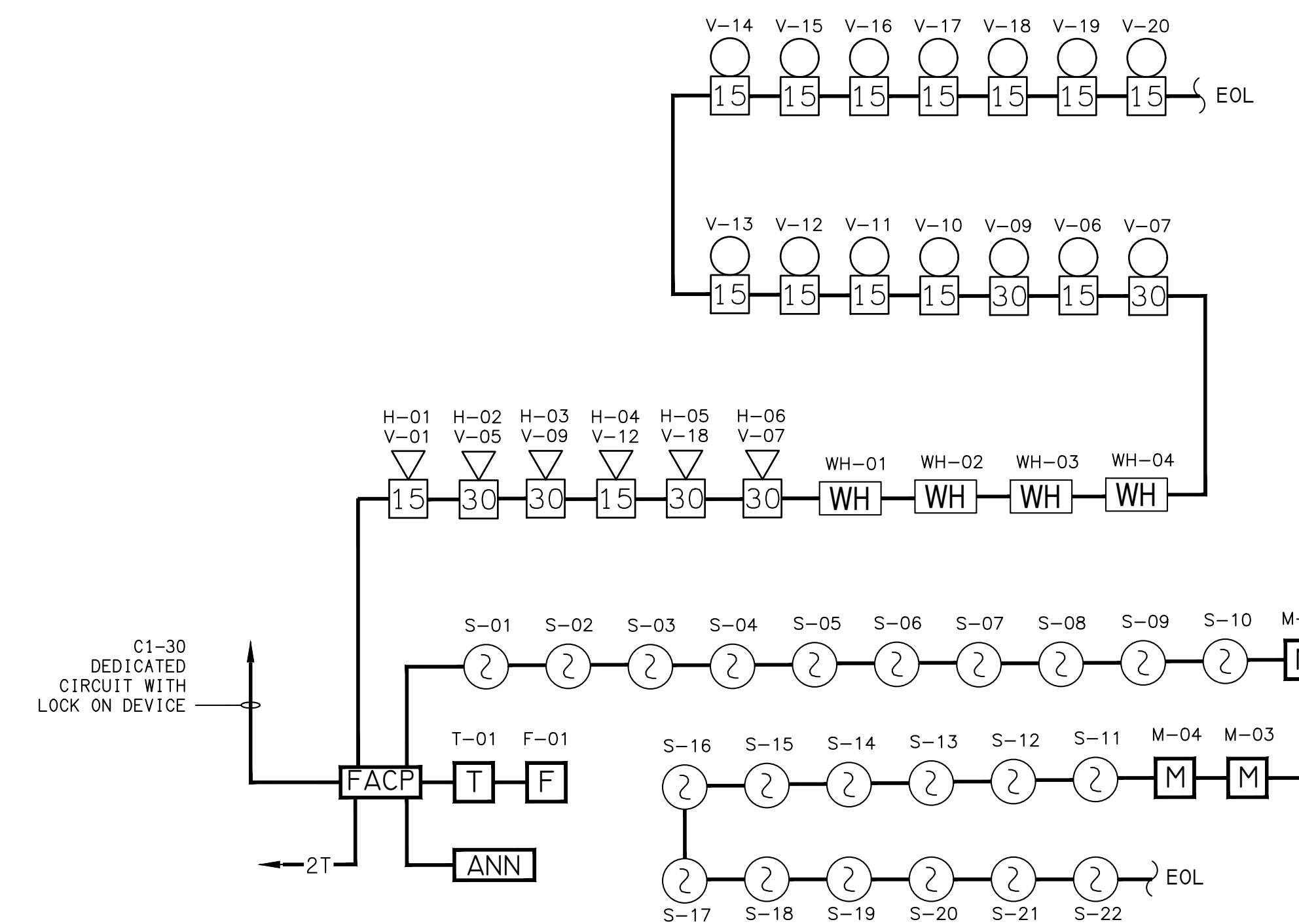
VOLTAGE DROP CALCULATIONS MAINTENANCE & OPERATIONS NAC #1			
Total CKT distance in Feet (D) = 240			
Total CKT load in Amps (L) = 0.981			
Constant DC voltage supplied (K) = 24			
Ohms per 1000' from NEC 9.8 (R) = 3.26			
10 avg = 1.29			
12 avg = 2.05			
14 avg = 3.26			
16 avg = 5.29			
18 avg = 8.45			
<b>D x L x R / 1000 = Voltage Drop</b>			
<b>(VD / K) x 100 = Voltage Drop %</b>			
<b>K - VD = End of Line Voltage</b>			
<b>Voltage Drop</b>	<b>Voltage Drop %</b>	<b>EOLV</b>	
0.768	3.198	23.232	

System Current Draw - GFPS-6										
Standby Alarm			C1 - Standby Current				C2 - Alarm Current			
Device	Qty	Draw	Standby	Qty	Draw	Alarm				
<b>1. System Modules</b>										
Distributed Power Module (DPM)	1	x 0.07500	0.07500	1	x 0.20500	0.20500				
NAC1 and 2 - Class B	1	x 0.00000	0.00000	2	x 0.05000	0.10000				
NAC3 and 4 - Class B	1	x 0.00000	0.00000	2	x 0.05000	0.10000				
External Load A+A- 24VDC	0	x 0.00000	0.00000	0	x 0.00000	0.00000				
<b>2. NAC #1</b>										
P2R15	2	x 0.00000	0.00000	2	x 0.09100	0.18200				
P2R30	5	x 0.00000	0.00000	5	x 0.11600	0.58000				
P2R75	0	x 0.00000	0.00000	0	x 0.17600	0.00000				
SR15	13	x 0.00000	0.00000	13	x 0.06600	0.85800				
SR30	2	x 0.00000	0.00000	2	x 0.09400	0.18800				
SR75	0	x 0.00000	0.00000	0	x 0.15800	0.00000				
P2R110	0	x 0.00000	0.00000	0	x 0.22100	0.00000				
	0	x 0.00000	0.00000	0	x 0.00000	0.00000				
<b>NAC #1 Totals (Max 3.0 Amps):</b>		0.00000				1.80800				
Other compatible devices										
		0 x 0.00000				0 x 0.00000				
		0 x 0.00000				0 x 0.00000				
		0 x 0.00000				0 x 0.00000				
<b>Total Standby Load:</b>		0.075		<b>Total Alarm Load:</b>		2.213				

GFPS-6 Battery Calcs			
Standby Load	0.075 Amps	Current load on the primary power supply during non-alarm conditions.	
Alarm Load	2.113 Amps	Current load on the primary power supply during alarm conditions.	
Load Requirements	5.82 Amp Hours	Total Secondary Load from the calculation table below.	
Current Draw	Time (hours)	Total (AH)	
Standby Load 0.075 A	x 60 hours	4.50	
Alarm Load 2.113 A	x 0.167 hours	0.35	
<b>Total Secondary Load:</b>		4.85	
		Derating factor x 1.2	
<b>Secondary Load Requirements:</b>		5.82	
Battery Selection	7 Amp Hours		



**PARTIAL EXISTING CONDITION SITE PLAN**  
SCALE: 1"=15'-0"



**RISER DIAGRAM**  
SCALE: NONE

**COMPLETE BUILDING  
FIRE ALARM SYSTEM**

THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS.

REVISIONS	DATE	BY

ROY E COLBERT

ARCHITECTURE  
PLANNING  
DESIGN

353 SAN JON ROAD  
VENTURA, CA 93001

805 / 650 - 9590 PH  
805 / 650 - 9589 FX  
rcolb@abglobal.net  
CALIFORNIA C12050  
N.C.A.R.B.

**LUCCI & ASSOCIATES INC.**  
CONSULTING ELECTRICAL ENGINEERS  
3551 CORTE MALPASO, #511  
CAMARILLO, CA 93012-8094  
(805) 389-6520 FAX (805) 389-6519  
Web Site: <http://www.luccia.com>

LUCCI & ASSOCIATES, INC. reserves their  
copyright and other property rights in  
these plans. These plans and drawings are not to  
be reproduced or transmitted in any form or  
by any means electronic, mechanical, photocopying,  
recording, or by any information storage and  
retrieval system, without first obtaining the  
expressed written permission and consent of  
LUCCI & ASSOC. INC. nor are they to be assigned  
to any third party without obtaining such written  
permission and consent.



This project has been designed by me, or under my direct supervision.

VENTURA COUNTY  
COMMUNITY  
COLLEGE DISTRICT

VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

M&O:  
MAINTENANCE &  
OPERATIONS ADMIN  
RENOVATION

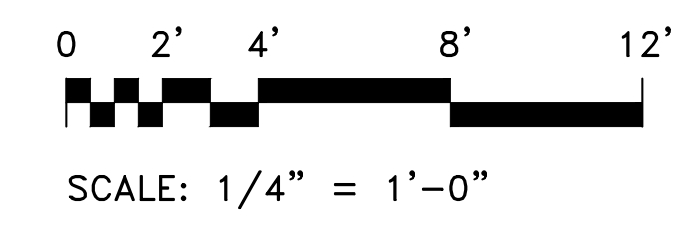
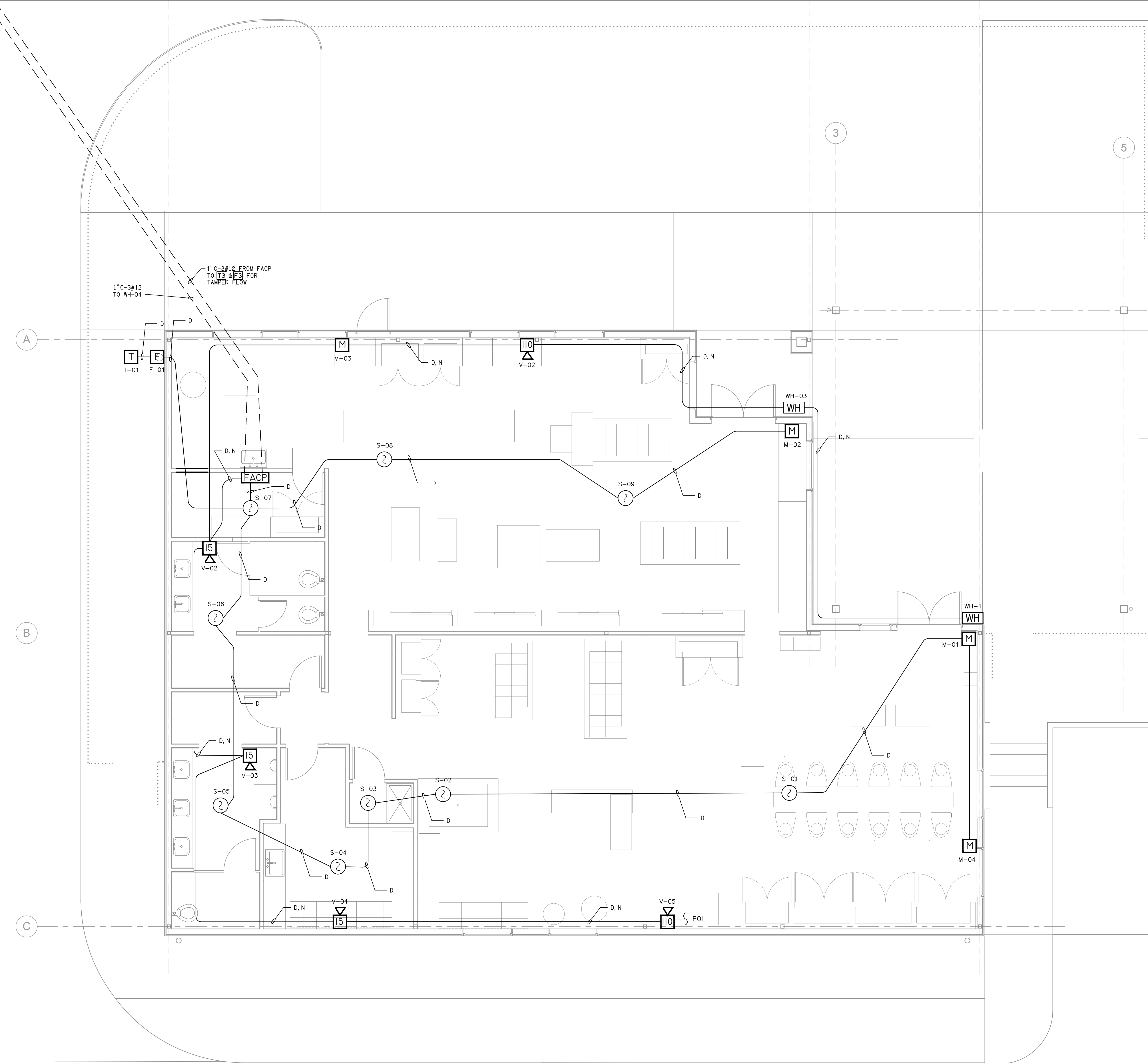
PROJECT DIRECTORY

- SOILS ENGINEER / SEPTIC SYSTEM: XXXX
- CIVIL ENGINEER: XXXX
- STRUCTURAL ENGINEER: XXXX
- ELECTRICAL ENGINEER: LUCCI & ASSOCIATES  
KEN LUCCI  
805/389-6520
- MECHANICAL ENGINEER: XXXX
- LANDSCAPE ARCHITECT: XXXX
- WATER SYSTEM / FIRE PROTECTION SYSTEM: XXXX

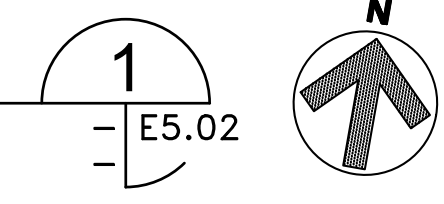
FIRE ALARM SYSTEM -  
EQUIPMENT LIST &  
BATTERY CALCULATIONS  
& PARTIAL EXISTING  
CONDITION SITE PLAN

SHEET NAME	
DATE	09-03-2017
SCALE	AS SHOWN
PROJECT	C16 - 006
SHEET NUMBER	E5.01 00
OF SHEETS	

DRAFT: Lee Keener DRAWING FILENAME: 16247E502 DATE: 3 September 2017 TIME: 12:46 pm  
 PATHNAME: G:\16\247\ELLSheets  
 This project record document, drawings and specifications, have been prepared on the basis of data compiled and furnished by others. Roy E Colbert, Architect will not be responsible for errors or omissions resulting from that data being incorporated into this document. These drawings and specifications, and the incorporated ideas and designs, constitute an instrument of professional service and are the sole property of Roy E Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E Colbert, Architect.



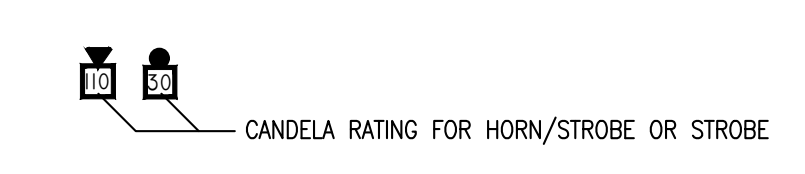
**FIRE ALARM SYSTEM - EXISTING CONDITION BUILDING C**  
 SCALE: 1/4"=1'-0"



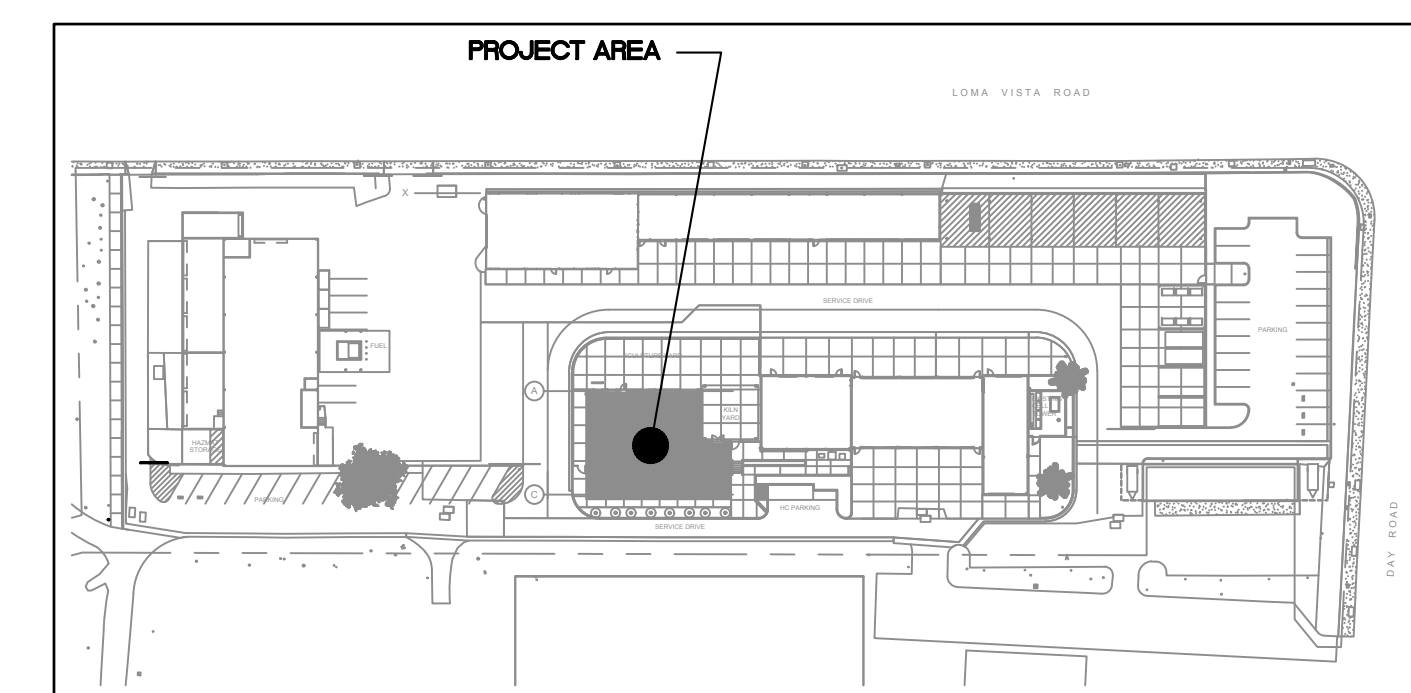
- SHEET NOTES:**
1. VERIFY LOCATION OF ALL DEVICES ON PROJECT MANAGER.
  2. 3/4" CONDUIT MINIMUM UNLESS OTHERWISE NOTED.
  3. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL COMMUNICATION CABLING PER CABLE MANUFACTURERS RECOMMENDATIONS.
  4. MAXIMUM 180 DEGREE OF BEND BETWEEN PULL POINTS.
  5. RUN COMMUNICATION CABLING IN CABLE TRAY TO MAXIMUM EXTENT POSSIBLE. WHERE CABLING IS NOT IN CABLE TRAY, CABLE SHALL BE IN CONDUIT.
  6. UNIQUELY LABEL BOTH ENDS OF ALL CABLING.

**WIRE LEGEND**

D	Twisted Unshielded Pair (16/2 FPLP) SLIC
N	Pair 14awg Stranded (THHN) NAC.
C	Twisted Unshielded (18/4 COMM. CBL)
P	Pair 14awg Stranded (THHN) 24VDC Power



**COMPLETE BUILDING FIRE ALARM SYSTEM**



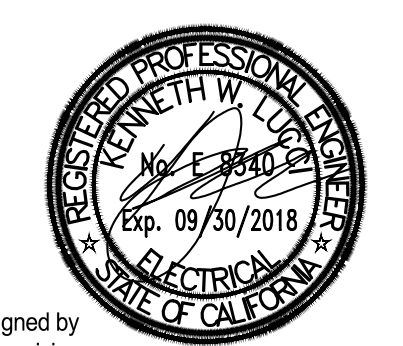
**KEY MAP**

THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS.

REVISIONS	DATE	BY

**ROY E COLBERT**  
 ARCHITECTURE  
 PLANNING  
 DESIGN  
 353 SAN JON ROAD  
 VENTURA, CA 93001  
 805 / 650 . 9590 PH  
 805 / 650 . 9589 FX  
 rcolb@sboglobal.net  
 CALIFORNIA C12050  
 N.C.A.R.B.

**LUCCI & ASSOCIATES INC.**  
 CONSULTING ELECTRICAL ENGINEERS  
 3851 CORTE MALPASO, #511  
 CAMARILLO, CA 93012-8094  
 (805) 389-6520 FAX (805) 389-6519  
 Web Site <http://www.luccieand.com>  
LUCCI & ASSOCIATES, INC. reserves their copyright and other property rights in these plans. These plans and drawings are not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining prior written permission and consent.



This project has been designed by me, or under my direct supervision.

**VENTURA COUNTY COMMUNITY COLLEGE DISTRICT**  
 VENTURA COLLEGE  
 4667 Telegraph Road  
 Ventura, CA 93003

**M&O: MAINTENANCE & OPERATIONS ADMIN RENOVATION**

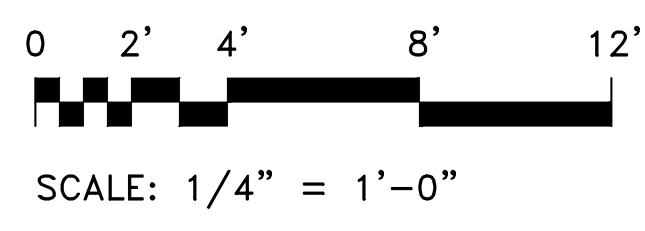
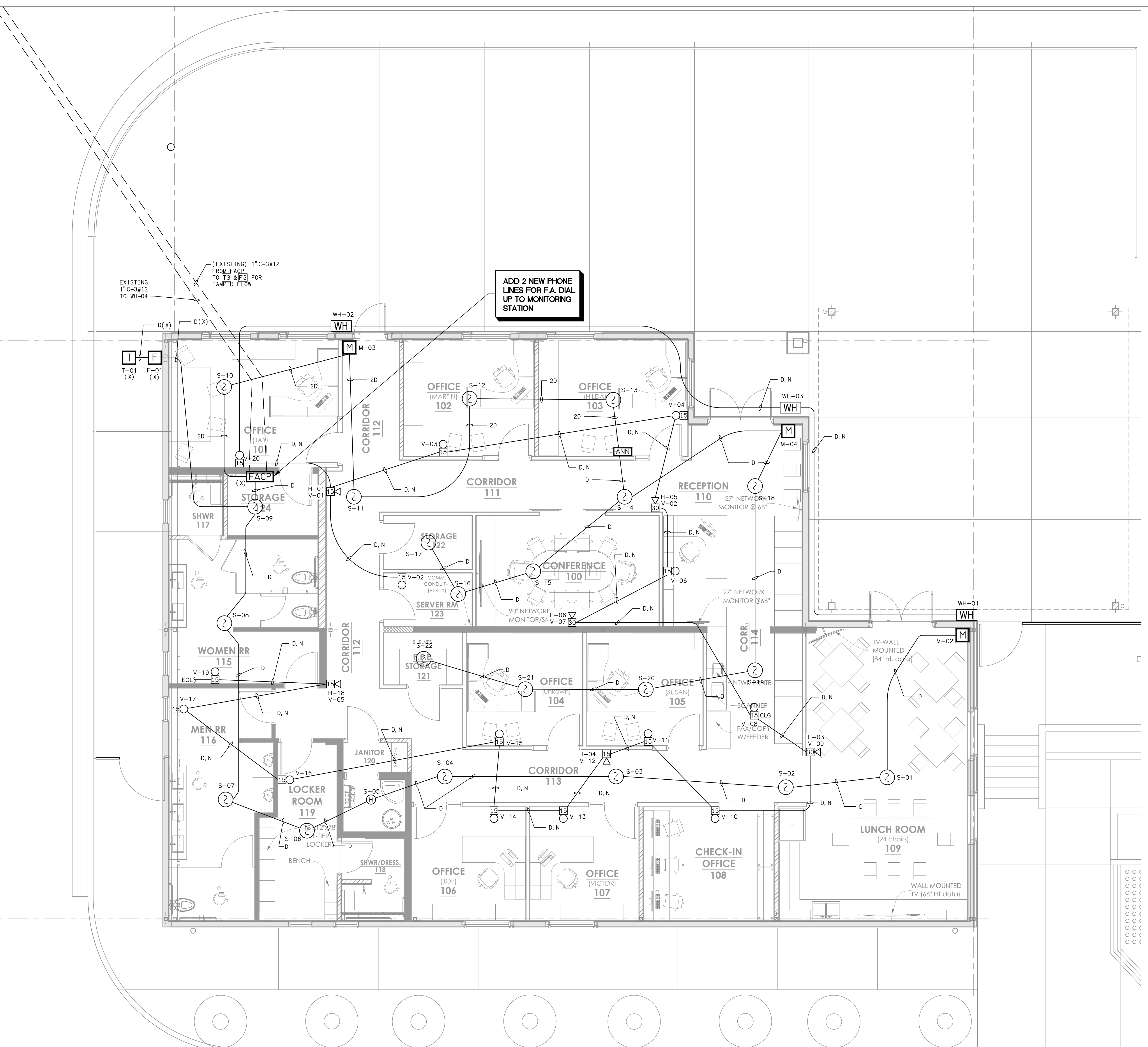
**PROJECT DIRECTORY**

SOILS ENGINEER / SEPTIC SYSTEM: XXXX  
 CIVIL ENGINEER: XXXX  
 STRUCTURAL ENGINEER: XXXX  
 ELECTRICAL ENGINEER: LUCCI & ASSOCIATES  
 KEN LUCCI  
 805/389.6520  
 MECHANICAL ENGINEER: XXXX  
 LANDSCAPE ARCHITECT: XXXX  
 WATER SYSTEM / FIRE PROTECTION SYSTEM: XXXX

**FIRE ALARM SYSTEM - BUILDING C EXISTING CONDITION**

SHEET NAME	
DATE	09-03-2017
SCALE	AS SHOWN
PROJECT	C16 - 006
<b>E5.02</b>	<b>00</b>
SHEET NUMBER	OF SHEETS

DRAFT: Lee Keener DRAWING FILENAME: 16247E506 DATE: 3 September 2017 TIME: 12:46 pm  
 PATHNAME: G:\16247E\506  
 This project record document, drawings and specifications, have been prepared on the basis of data compiled and furnished by others. Roy E Colbert, Architect will not be responsible for errors or omissions resulting from that data being incorporated into this document. These drawings and specifications, and the incorporated ideas and designs, constitute an instrument of professional service and are the sole property of Roy E Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E Colbert, Architect.  
 Professional service and are the sole property of Roy E Colbert, Architect. These documents in whole, or in part, shall not be used for any other project without the written authorization of Roy E Colbert, Architect.



**FIRE ALARM SYSTEM - BUILDING C NEW WORK**  
 SCALE: 1/4"=1'-0"

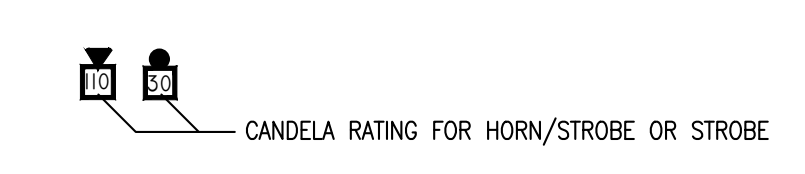


**SHEET NOTES:**

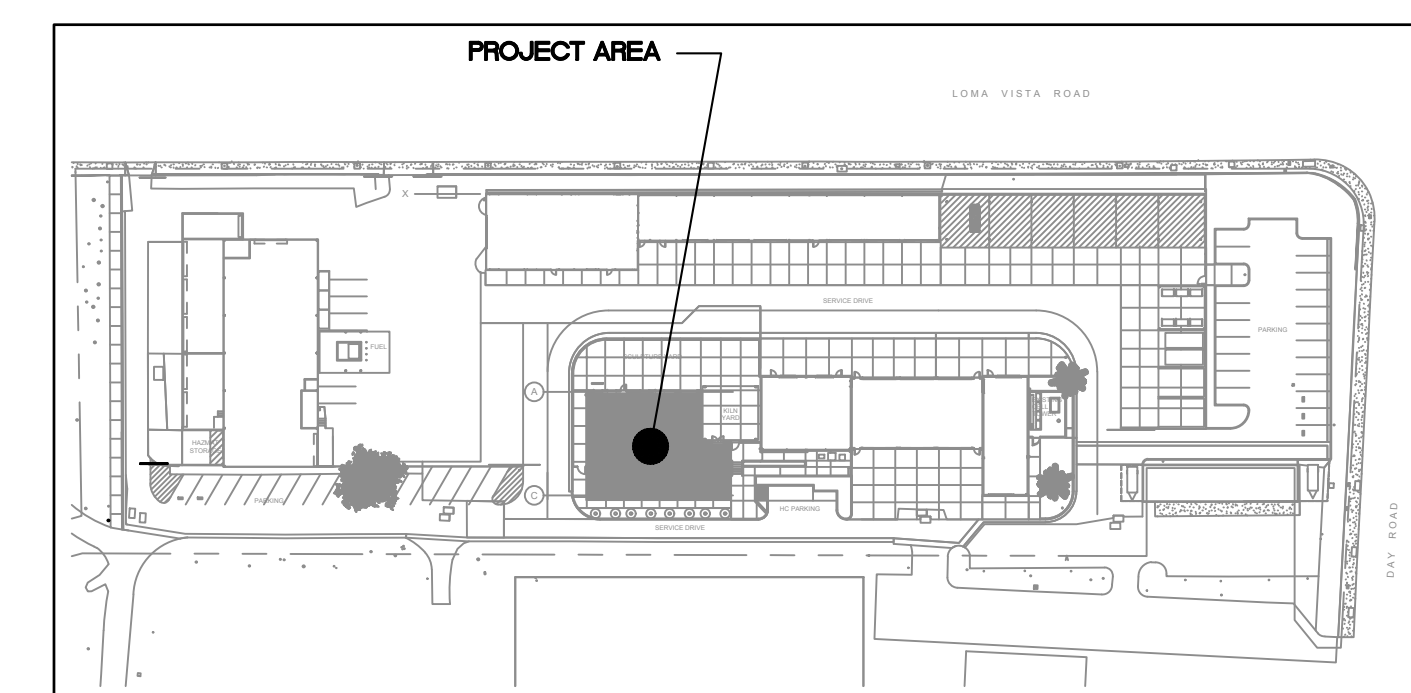
1. VERIFY LOCATION OF ALL DEVICES ON PROJECT MANAGER.
2. 3/4" CONDUIT MINIMUM UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL COMMUNICATION CABLING PER CABLE MANUFACTURERS RECOMMENDATIONS.
4. MAXIMUM 180 DEGREE OF BEND BETWEEN PULL POINTS.
5. RUN COMMUNICATION CABLING IN CABLE TRAY TO MAXIMUM EXTENT POSSIBLE. WHERE CABLING IS NOT IN CABLE TRAY, CABLE SHALL BE IN CONDUIT.
6. UNIQUELY LABEL BOTH ENDS OF ALL CABLING.

**WIRE LEGEND**

D	Twisted Unshielded Pair (16/2 PPLP) SLIC.	CLASS B
N	Pair 14awg Stranded (THHN) NAC.	CLASS B
C	Twisted Unshielded (18/4 COMM. CBL)	CLASS B
P	Pair 14awg Stranded (THHN) 24VDC Power	CLASS B



**COMPLETE BUILDING  
 FIRE ALARM SYSTEM**



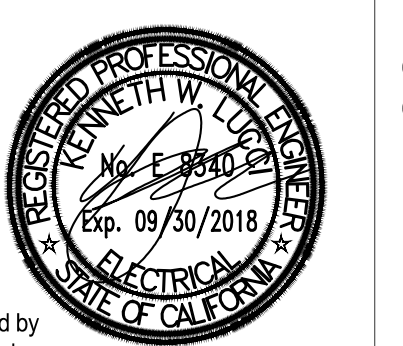
**KEY MAP**

THIS PLAN IS BASED UPON DATA COMPILED AND FURNISHED BY OTHERS.

REVISIONS	DATE	BY

**ROY E COLBERT**  
 ARCHITECTURE  
 PLANNING  
 DESIGN  
 353 SAN JON ROAD  
 VENTURA, CA 93001  
 805 / 650 . 9590 PH  
 805 / 650 . 9589 FX  
 rcolb@sbcbglobal.net  
 CALIFORNIA C12050  
 N.C.A.R.B.

**LUCCI & ASSOCIATES INC.**  
 CONSULTING ELECTRICAL ENGINEERS  
 3851 CORTE MALPASO, #511  
 CAMARILLO, CA 93012-8094  
 (805) 389-6520 FAX (805) 389-6519  
 Web Site <http://www.luccidand.com>  
 Lucci & Associates, Inc. reserves their  
 copyright and other property rights in  
 these plans. These plans and drawings are not to  
 be reproduced, stored in a retrieval system or  
 transmitted in any form or by any means  
 electronic, mechanical, photocopying, recording,  
 or by any information storage and retrieval  
 system, without the prior written permission  
 of Lucci & Associates, Inc. nor are they to be  
 assigned to any third party without obtaining the  
 prior written permission of Lucci & Associates, Inc.



This project has been designed by me, or under my direct supervision.

**VENTURA COUNTY  
 COMMUNITY  
 COLLEGE DISTRICT**

**VENTURA COLLEGE**  
 4667 Telegraph Road  
 Ventura, CA 93003

**M&O:  
 MAINTENANCE &  
 OPERATIONS ADMIN  
 RENOVATION**

**PROJECT DIRECTORY**

SOILS ENGINEER / SEPTIC SYSTEM:  
 XXXX  
 CIVIL ENGINEER:  
 XXXX  
 STRUCTURAL ENGINEER:  
 XXXX  
 ELECTRICAL ENGINEER:  
 LUCCI & ASSOCIATES  
 KEN LUCCI  
 805/389.6520  
 MECHANICAL ENGINEER:  
 XXXX  
 LANDSCAPE ARCHITECT:  
 XXXX  
 WATER SYSTEM / FIRE PROTECTION SYSTEM:  
 XXXX

**FIRE ALARM SYSTEM -  
 BUILDING C NEW WORK**

SHEET NAME  
 DATE 09-03-2017  
 SCALE AS SHOWN  
 PROJECT C16 - 006

**E5.05** 00  
 SHEET NUMBER OF SHEETS



## MECHANICAL NOTES

- SCOPE OF WORK: WORK INCLUDES THE FOLLOWING: FURNISH AND INSTALL ALL EQUIPMENT SHOWN ON THE ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS AND DESCRIBED IN THESE NOTES AND THE CONTRACT DOCUMENTS. WORK INCLUDES BUT IS NOT LIMITED TO: INSTALLATION OF NEW DUCTWORK TO EXISTING DUCTWORK, RELOCATION OF CONTROL SYSTEM ENCLOSURE AND THERMOSTATS AS DESCRIBED IN THE CONTRACT DOCUMENTS, CONTRACTOR SHALL FURNISH AND INSTALL, MAKE OPERABLE, AND TEST ALL SYSTEMS AND MECHANICAL EQUIPMENT SHOWN ON THE PLANS AND CONTRACT DOCUMENTS. IN CONNECTION THEREWITH, CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL NECESSARY DEVICES, HARDWARE, AND SYSTEMS REQUIRED TO MAKE SAID EQUIPMENT PROPERLY AND SAFELY OPERABLE, INCLUDING BUT NOT LIMITED TO, MOUNTING HARDWARE, INSULATION, FILTERS, VIBRATION CONTROL DEVICES, DUCT SYSTEMS, CONTROL SYSTEMS, AND PATCHING AND PAINTING.
- INTERPRETATION OF DRAWINGS OR CONTRACT DOCUMENTS: IF ANY BIDDER IS IN DOUBT AS TO THE TRUE MEANING OF ANY PART OF THE DRAWINGS, OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS; FINDS DISCREPANCIES, ERRORS OR OMISSIONS THEREIN; OR FINDS VARIANCES IN ANY OF THE CONTRACT DOCUMENTS WITH APPLICABLE RULES, REGULATIONS, ORDINANCES AND/OR LAWS, A WRITTEN REQUEST FOR AN INTERPRETATION OR CORRECTION THEREOF MAY BE SUBMITTED TO THE ENGINEER. IT IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE BIDDER TO SUBMIT SUCH REQUEST IN SUFFICIENT TIME FOR THE PREPARATION OF A RESPONSE THERETO AND DELIVERY OF SUCH RESPONSE TO ALL BIDDERS PRIOR TO THE SCHEDULED CLOSING FOR RECEIPT OF BID PROPOSALS. ANY REQUEST OF ANY BIDDER, PURSUANT TO THE FOREGOING SENTENCE THAT IS MADE LESS THAN SEVEN DAYS PRIOR TO THE SCHEDULED CLOSING DATE FOR THE RECEIPT OF BID PROPOSALS SHALL BE DEEMED UNTIMELY. ANY INTERPRETATION OR CORRECTION OF THE CONTRACT DOCUMENTS WILL BE MADE ONLY BY WRITTEN ADDENDUM DULY ISSUED BY THE OWNER OR THE ENGINEER. A COPY OF ANY SUCH ADDENDUM WILL BE MAILED OR OTHERWISE DELIVERED TO EACH BIDDER RECEIVING A SET OF THE CONTRACT DOCUMENTS. NO BIDDER IS AUTHORIZED TO RENDER AN ORAL INTERPRETATION OR CORRECTION OF ANY PORTION OF THE CONTRACT DOCUMENTS TO ANY BIDDER, AND NO BIDDER IS AUTHORIZED TO RELY ON ANY SUCH ORAL INTERPRETATION OR CORRECTION. FAILURE TO REQUEST INTERPRETATION OR CLARIFICATION OF THE DRAWINGS, OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS PURSUANT TO THE FOREGOING SHALL BE DEEMED TO BE A WAIVER OF ANY DISCREPANCY, DEFECT, OR CONFLICT THEREIN.
- DIMENSIONS. ALL DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS BEFORE PROCEEDING WITH WORK. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON WORKING DRAWINGS. ALL SIZES OF EQUIPMENT AND MATERIALS SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER.
- CODES AND STANDARDS: ALL WORK SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), 2016 CALIFORNIA BUILDING CODE, THE 2016 CALIFORNIA MECHANICAL CODE, THE 2016 CALIFORNIA PLUMBING CODE, THE NATIONAL ELECTRIC CODE, THE STATE OF CALIFORNIA, EQUIPMENT MANUFACTURER'S RECOMMENDED PROCEDURES, AND STANDARD CONSTRUCTION PRACTICES. NOTE: WHERE TWO OR MORE CODES CONFLICT, THE MOST RESTRICTIVE SHALL APPLY. NOTHING IN THESE PLANS AND SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO APPLICABLE CODES.
- SUBMITTALS REQUIRED: PRIOR TO ORDERING EQUIPMENT AND MATERIALS, CONTRACTOR SHALL FURNISH TO ENGINEER / DISTRICT SUBMITTALS AND SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIALS PROPOSED FOR USE IN THIS PROJECT. ORDERING OF EQUIPMENT AND MATERIALS SHALL ONLY PROCEED AFTER SATISFACTORY REVIEW OF ALL SUBMITTALS BY CONTRACTOR / ENGINEER / DISTRICT. COPIES OF ALL OWNER'S MANUALS, WARRANTIES AND OTHER WRITTEN INFORMATION REGARDING SYSTEMS SHALL BE PRESENTED TO DISTRICT PRIOR TO THE COMPLETION OF THE PROJECT.
- CONSTRUCTION OBSERVATION: IN ADDITION TO THE REQUIREMENT FOR OBTAINING INSPECTIONS BY THE LOCAL JURISDICTION, CONTRACTOR SHALL NOTIFY ENGINEER AT APPROPRIATE TIMES DURING THE CONSTRUCTION PROCESS SO THAT ENGINEER CAN VISIT SITE TO BECOME GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF CONTRACTOR'S WORK AND TO DETERMINE IF THE WORK IS PROCEEDING IN GENERAL ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- UNIT LOCATIONS: EQUIPMENT AND SYSTEM LOCATIONS SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL STRUCTURAL MEMBERS AND EXISTING CONDITIONS IN THE FIELD, AND LOCATE UNITS AND DUCTWORK TO AVOID INTERFERENCE. ANY SIGNIFICANT DEVIATIONS FROM THE PLANS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER. ALLOW CLEARANCE FOR DUCTWORK AND PIPING. ALL CLEARANCES REQUIRED BY UNIT MANUFACTURER SHALL BE MAINTAINED. ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH CODES AND THE RECOMMENDED INSTALLATION PROCEDURES PUBLISHED BY THE MANUFACTURER.
- DUCTWORK: CONTRACTOR SHALL INSTALL NEW DUCTWORK IN THE APPROXIMATE LOCATIONS SHOWN ON THE DRAWINGS. ALL DUCTWORK SHALL BE SECURELY ANCHORED TO THE BUILDING IN AN APPROVED MANNER THAT WILL RENDER IT ABSOLUTELY FREE FROM VIBRATION AND LATERAL MOVEMENT. CONTRACTOR SHALL PROVIDE WITHOUT COST TO THE OWNER ALL REQUIRED TRANSITIONS AND OFFSETS TO AVOID CONFLICTS WITH STRUCTURE AND OTHER TRADES.
- MATERIALS - DUCTWORK: ALL NEW DUCTWORK FOR HVAC SYSTEMS SHALL BE GALVANIZED STEEL CONFORMING TO ASTM SPEC A525 AND CONSTRUCTED PER 2006 SMACNA HVAC DUCT CONSTRUCTION STANDARDS. (EXCEPTION: ACOUSTIC FLEXIBLE FIBERGLASS DUCTWORK SHALL BE USED FOR THE FINAL CONNECTION TO HVAC SYSTEMS.)  
  
ALL CONCEALED ROUND DUCTWORK SHALL BE GALVANIZED SPIRAL TYPE WITH GAUGES AND CONNECTIONS PER 2006 SMACNA HVAC DUCT CONSTRUCTION STANDARDS.  
  
SEAL ALL DUCTWORK JOINTS WITH UL LISTED LEED COMPLIANT PREMIUM FLEXIBLE WATER BASED DUCT SEALANT.  
  
CURVED ELBOWS SHALL HAVE CENTRALIZE RADIUS NOT LESS THAN THE WIDTH OF THE DUCT. WHERE ABRUPT TURNS AND ELBOWS ARE USED, TURNING VANES SHALL BE PROVIDED. TAKEOFFS FROM MAIN DUCTS SHALL BE MADE WITH 45 DEGREE ANGLES WITH VOLUME DAMPERS WHERE SHOWN. ALL PANELS SHALL BE CROSS BROKEN TO ENSURE RIGIDITY.  
  
EXPOSED DUCT WORK SHALL BE SPIRAL TYPE. CONNECTIONS SHALL BE MADE WITH SPIRALMATE CONNECTIONS. INSTALLATION SHALL BE STRAIGHT TRUE AND LEVEL. SPIRAL DUCTING SHALL BE CLEAN AND FREE FROM DEFECT. JUST PRIOR TO PROJECT COMPLETION CLEAN EXPOSED DUCTING TO REMOVE DUST AND DEBRIS. AT AC-3 SUPPLY DUCTING PROVIDE 1" SPIRAL LINER.  
  
RECTANGULAR DUCTWORK SHALL BE MADE FROM GALVANIZED STEEL SHEETS. DUCT CONSTRUCTION, AND REINFORCING SHALL BE PER 2006 SMACNA HVAC DUCT CONSTRUCTION STANDARDS. CURVED ELBOWS SHALL HAVE CENTRALIZE RADIUS NOT LESS THAN THE WIDTH OF THE DUCT. WHERE ABRUPT TURNS AND ELBOWS ARE USED, TURNING VANES ARE REQUIRED. TAKE-OFFS FROM MAIN DUCTS SHALL BE MADE WITH 45 DEGREE ANGLES WITH VOLUME DAMPERS AS CLOSE TO THE TAKEOFF AS PRACTICAL. PANELS SHALL BE CROSS BROKEN TO ENSURE RIGIDITY.
- DUCT INSULATION: CONCEALED SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED WITH 2" THICK, THREE QUARTER POUND PER CUBIC FOOT FOIL SCRIMP VAPOR BARRIER FACED FIBERGLASS FLEXIBLE DUCT INSULATION; INSULATE ALL ROUND DUCTING WITH 1" OF GLASS FIBER INSULATION WITH VAPOR BARRIER MIN R-VALUE 4.2. INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. INSULATION SHALL HAVE A MINIMUM INSULATION OF R-6. EXPOSED SPIRAL DUCTS SHALL BE INTERNALLY LINED W/ 1" THICK, THREE QUARTER POUND PER CUBIC FOOT, RESIN COATING, MIN R-VALUE 4.2. ALL SUPPLY & RETURN PLENUMS SHALL BE LINED WITH 2" DUCT LINER. UNLESS OTHERWISE NOTED DIMENSIONS SHOWN ARE INTERNAL CLEARANCES. DIMENSIONS SHOWN ARE INTERNAL CLEAR.
- BALANCING: FOLLOWING INSTALLATION, CONTRACTOR SHALL START UP AND BALANCE ALL HVAC SYSTEMS TO CONFORM TO AIR VOLUMES INDICATED ON PLANS. COPIES OF BALANCING RECORDS SHALL BE FURNISHED TO BUILDING OWNER AND PROJECT ARCHITECT.
- VIBRATION ISOLATION: INSTALL FLEXIBLE CONNECTIONS BETWEEN MECHANICAL EQUIPMENT AND DUCTWORK. ISOLATE PIPING & DUCTWORK FROM STRUCTURE TO PREVENT EXCESSIVE VIBRATION. AFTER START-UP VERIFY THAT NO VIBRATION IS TRANSMITTED. CORRECT ANY DEFICIENCIES. ALL MECHANICAL EQUIPMENT SHALL HAVE VIBRATION ISOLATION; SEE MECHANICAL DETAILS & FOR SPECIFIC TYPE.
- DUCT SUPPORTS AND HANGERS: DUCT SUPPORTS SHALL BE PER THE 2016 CALIFORNIA MECHANICAL CODE. RECTANGULAR DUCTS WITH A MAXIMUM SIZE NOT EXCEEDING 30" AND ALL ROUND DUCTS SHALL BE SUPPORTED WITH ONE INCH WIDE 18 GAUGE HANGER STRAPS. SUPPORTS SHALL BE LOCATED ON TWO OPPOSITE SIDES OF THE DUCT. SHALL BE METAL SCREWED TO THE SIDES AND BOTTOM OF THE DUCT. SHALL BE SPACED AT NOT MORE THAN 7'-8" ON CENTERS AND SHALL BE LATERALLY BRACED. SECURE STRAPS TO STRUCTURAL FRAMING PER SMACNA STDS. FOR SEISMIC LEVEL "AA".
- VOLUME DAMPERS: LOCKING SHEET METAL VOLUME DAMPERS SHALL BE INSTALLED AT THE POINT OF TAKE-OFF FROM MAIN DUCTING AT ALL LOCATIONS SHOWN ON PLANS AND ELSEWHERE AS NECESSARY FOR PROPER BALANCING OF THE SYSTEM. BALANCING AT DIFFUSERS OR RETURN AIR GRILLES ONLY WILL NOT BE PERMITTED. PROVIDE POTTOROFF REMOTE DAMPER ACCESS W/ BOX & COVER PLATE AT CONCEALED LOCATIONS.
- EXHAUST FAN AND FLUE DISCHARGE: ALL EXHAUST FAN DUCTWORK AND FLUES SHALL BE RUN TO A

POINT AT LEAST 10 FEET FROM AIR INTAKES OR OTHER OPENINGS TO THE BUILDING.

- COORDINATION: MECHANICAL CONTRACTOR SHALL COORDINATE WORK WITH THE DISTRICT'S PROJECT MANAGER AND ALL RELATED TRADES.
  - CLEANUP: EVERY DAY, AND AFTER ALL WORK HAS BEEN COMPLETED, CONTRACTOR SHALL CLEAN ENTIRE JOB-SITE OF ALL DEBRIS ASSOCIATED WITH MECHANICAL SYSTEMS. EXPOSED PARTS WHICH ARE TO BE PAINTED SHALL BE THOROUGHLY CLEANED READY FOR PAINTING.
  - WIRING: ALL WIRING SHALL BE PERFORMED IN ACCORDANCE WITH NEC REQTS. ALL WIRING SHALL BE IN CONDUIT. ALL INTERIOR LOW VOLTAGE AND CONTROL WIRING SHALL BE IN WIREMOLD AND IN FAN ROOMS SHALL BE IN CONDUIT. EXPOSED CONDUIT SHALL BE INSTALLED IN A SQUARE, PLUMB, AND LEVEL MANNER WITH THOUGHT GIVEN TO THE FINAL APPEARANCES. PROVIDE TO ENGINEER SHOP DRAWING FOR CONTROL TRANSFORMER CONFIGURATIONS DETAILING CIRCUITS TO BE USED, LOAD CALCULATIONS, WIRE SIZES, AND LOCATIONS. WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT NATIONAL ELECTRICAL CODE AND ELECTRICAL SPECIFICATIONS. ALL TRANSFORMERS SHALL BE PROTECTED BY PROPERLY SIZED CIRCUIT BREAKER OR FUSE(S). ALL TRANSFORMERS SHALL HAVE RESETTABLE BREAKER ON THE LOAD SIDE. ALL LOW VOLTAGE CONTROL & COMMUNICATIONS WIRING SHALL BE DONE ACCORDING TO MANUFACTURERS INSTALLATION MANUAL. PROVIDE SUBMITTALS ON WIRE AND ENCLOSURES. PROVIDE PATCH CABLE FROM ROUTER TO NETWORK INTERFACE.
- THE COLLEGE OPERATES AN AUTOMATED LOGIC CONTROL SYSTEM ON CAMPUS. NO SUBSTITUTION ALLOWED. THE COMPLETE SYSTEM; CONTROLLERS, ROUTERS, TRANSFORMERS, RELAYS, CONTACTORS, CONDUIT (PROVIDED BY EMS CONTRACTOR) AND WIRING, ETC. SHALL REMAIN THE SAME. THE CONTROL BOXES ARE TO BE RELOCATED AS SHOWN ON THE PLANS. ALL WIRING SHALL BE IN CONDUIT. EXTEND ANY CONDUITS AS REQUIRED FOR CONTROLS NEW LOCATION. CONTACT AUTOMATED LOGIC WESTERN REGIONAL OFFICE FOR QUALIFIED DEALERS (714) 256-1188. COORDINATE WITH CAMPUS IT DEPARTMENT FOR ROUTER LOCATION AND IP ADDRESS.
- COORDINATION DURING CONSTRUCTION: THE CONTRACTOR SHALL COORDINATE ANY NECESSARY CHANGES IN WORK SCHEDULING WITH THE DISTRICT TO MINIMIZE THE DISRUPTION. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY HIS WORK TO BUILDING(S) AND EQUIPMENT AT NO ADDITIONAL COST TO THE DISTRICT.
  - CORRECTION OF WORK: THE CONTRACTOR SHALL PROMPTLY CORRECT ALL WORK THE DISTRICT FINDS DEFECTIVE OR FAILING TO CONFORM TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BEAR ALL COSTS REQUIRED BY THE CONTRACT DOCUMENTS. IF ANY OF THE WORK IS FOUND TO BE DEFECTIVE OR NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL CORRECT IT PROMPTLY AFTER RECEIPT OF A WRITTEN NOTICE FROM THE DISTRICT TO DO SO.
  - AS-BUILT DRAWINGS SHALL BE GIVEN TO THE DISTRICT PRIOR TO ACCEPTANCE OF THE PROJECT. AS-BUILTS SHALL BE ON PRINTED SHEETS AND ON MAGNETIC MEDIA.
  - AT COMPLETION OF WORK, COMMISSION ALL HVAC EQUIPMENT AND PROVIDE ITEM BY ITEM REPORT WITH SETPOINTS, OPERATIONAL DATA, HOURS OF OPERATION, HEATING, ECONOMIZER & COOLING OPERATION.
  - TEMPORARY VENTILATION. THE PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION THE BUILDING WITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8. BASED ON ASHRAE 52.2-1989, OR AN AVERAGE EFFICIENCY OF 30 PERCENT BASED ON 52.1-1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.
  - COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION AND DURING THE STORAGE ON THE CONSTRUCTION SITE UNTIL FINAL STATUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.
  - FILTERS. IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST A MERV OF 8 AS SPECIFIED IN CALGREEN, SECTION 5.504.5.3.

## AIR DISTRIBUTION SCHEDULE

CDT	CEILING DIFFUSER SURFACE MOUNT TITUS PAR AA, WHITE T BAR TYPE
RAT	RETURN AIR REGISTER TITUS PAR AA, WHITE T BAR TYPE
TG	TRANSFER GRILLE, TITUS, MODEL 300FL WHITE SURFACE MOUNT, SIZE ON PLANS.
TGS	TRANSFER GRILLE, TITUS PAR, PERFORATED FACE, WHITE PLASTER MOUNT.
SR	SUPPLY REGISTER. TITUS MODEL

## EQUIPMENT SCHEDULE

OU	OUTDOOR UNIT, MITSUBISHI MODEL PUY-A12NHA4-BS COOLING CAPACITY 12,000 BTUH, 208/230-1-60 MCA-13 AMPS MOCP - 15 AMPS. WEIGHT - 82 LBS. SEACOAST COATING.
IU	INDOOR UNIT, MITSUBISHI MODEL PKA-A12H4A, WALL MOUNTED. COOLING CAPACITY 12,000 BTUH, 208/230-1-60 MCA-1 AMPS MOCP - 15 AMPS. WEIGHT - 29 LBS.

## SYMBOL LEGEND

SYMBOL LEGEND		REVISIONS / DESCRIPTION	DATE	BY
SEE MECH./PLUMB. SCH. FOR DESCRIPTIONS				
	RETURN AIR REGISTER			
	CEILING DIFFUSER			
	EXHAUST FAN			
	VOLUME DAMPER			
	THERMOSTAT			
	RETURN AIR PLENUM (LINED)			
	SUPPLY AIR PLENUM (LINED)			
	FIRE & SMOKE DAMPER			
	EQUIPMENT TAG SEE MECH. SCHEDULE			
	ROUND DUCTWORK			
	RECTANGULAR DUCTWORK			

## ABBREVIATIONS

ABBREV	ABBREVIATIONS
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AHJ	AIR HANDLING UNIT
APPROX	APPROXIMATELY
BLW	BELOW
BFF	BELOW FINISHED FLOOR
BOF/BTM	BOTTOM
BLDG	BUILDING
CLG	CEILING
CD	CEILING DIFFUSER
CL	CENTERLINE
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CONC	CONCRETE
COND	CONDENSATE
CONT	CONTINUED
CFM	CUBIC FEET PER MINUTE
DIA	DIAMETER
DSA	DIVISION OF THE STATE ARCHITECT
DN	DOWN
DS	DOWN SPOUT
DWG	DRAWING
EA	EACH
ELEC	ELECTRIC
EL   ELEV	ELEVATION
EQ   EQUIP	EQUIPMENT
EXH	EXHAUST
ED	EXTENDING
ESP	EXTERNAL STATIC PRESSURE
FIN	FINISHED
FLR	FLOOR
FRM	FROM
FR BLW	FROM BELOW
GPM	GALLONS PER MINUTE
GALV	GALVANIZED
GSM	GALVANIZED STEEL METAL
G	GAS
GDW	GYPSUM DRYWALL
HP	HORSE POWER
HD	HOT DIPPED GALVANIZED
HWR	HOT WATER RETURN (HYDRONIC)
HWS	HOT WATER SUPPLY (HYDRONIC)
MAX	MAXIMUM
MTL	METAL
MIN	MINIMUM
(N)	NEW
OC	ON CENTER
POC	POINT OF CONNECTION
POD	POINT OF DISCONNECTION
PSI	POUNDS PER SQUARE INCH
RW	RAIN WATER
RAG	RETURN AIR GRILLE
RAR	RETURN AIR REGISTER
RD	ROOF DRAIN
RO	ROOF OVERFLOW
SHT	SHEET
SMS	SHEET METAL SCREW
SOV	SHUT-OFF VALVE
SR	SIDEWALL REGISTER
SD	SMOKE DETECTOR
SPEC	SPECIFICATIONS
STL	STEEL
(TYP)	TYPICAL
UNDR	UNDER
UGND	UNDERGROUND
VAV	VARIABLE AIR VOLUME BOX
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT TO ROOF
VD	VOLUME DAMPER (LOCKING)
WCO	WALL CLEAN-OUT
WC	WATER COLUMN

<p><b>ROY E COLBERT</b></p> <p>ARCHITECTURE PLANNING DESIGN</p> <p>1997 E. MAIN STREET VENTURA, CA 93001</p> <p>805 / 650 9590 PH 805 / 650 9589 FX</p> <p>roeb@sbcbglobal.net</p> <p>CALIFORNIA C12050 N.C.A.R.B.</p>	
<p> </p> <p>This project has been designed by me, or under my direct supervision.</p>	
<p>VENTURA COUNTY COMMUNITY COLLEGE DISTRICT</p> <p>VENTURA COLLEGE 4667 Telegraph Road Ventura, CA 93003</p>	
<p>DEPARTMENT OF MAINTENANCE &amp; OPERATIONS 71 Day Road Ventura, CA 93003</p>	
<p><b>PROJECT DIRECTORY</b></p> <p><b>ELECTRICAL ENGINEERING:</b> Lucci &amp; Associates 3251 Corie Malpaso #511 Carmelita, CA 93012 Ken Lucci (805) 389-6520 x230 Office</p> <p><b>MECHANICAL ENGINEER:</b> AE GROUP MECHANICAL ENGINEERS, INC. Hugh McFerman 838 East Front Street Ventura, CA 93001 (805) 653-1722</p> <p><b>FIRE PROTECTION ENGINEER:</b> Jack Collings, F.P.E. Collings &amp; Associates LLC 260 Mobile Court, Suite 241 Ventura, CA 93003 (805) 658-0003 jcollings@collingsandassociates.com</p>	
<p><b>AE Group</b> <b>Mechanical Engineers, Inc.</b> 838 East Front Street Ventura, California 93001 (805) 653-1722 FAX: (805) 653-7260 hugh@aegroupme.com</p>	
<p><b>MECHANICAL NOTES &amp; SCHEDULES</b></p>	
<p>SHEET NAME:</p> <p>DATE: <b>JULY 6, 2017</b></p> <p>DATE: </p> <p>IF THE ABOVE DIMENSION DOES NOT INDICATE OTHERWISE, DIMENSIONS ARE EXACTLY AS SHOWN. THE DRAWING WILL HAVE BEEN PLANNED OR REDUCED, AFFECTING ACTUAL MEASUREMENT OF ALL LABELED SCALES.</p> <p>SCALE:</p> <p><b>11 - 003</b></p> <p>PROJECT:</p> <p><b>M-1.0</b></p> <p>SHEET NUMBER: OF SHEETS</p>	

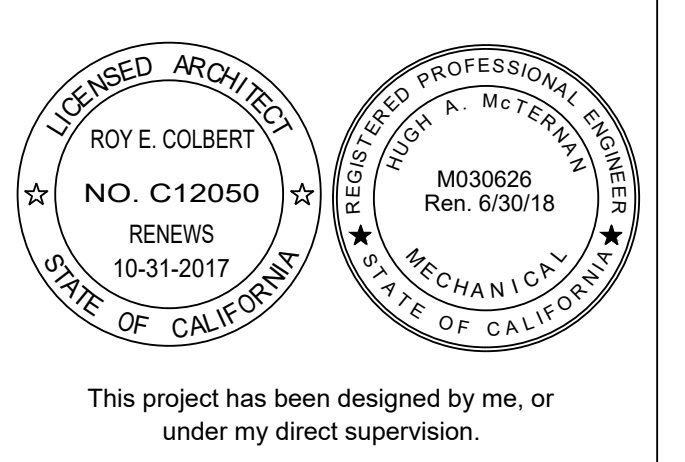
ISSUED FOR CONSTRUCTION

SYMBOL LEGEND	
	POINT OF DISCONNECTION
	(E) SUPPLY CDR TO BE REMOVED
	(E) RETURN RAF
	TO BE REMOVED
	TO REMAIN

REVISIONS / DESCRIPTION	DATE	BY

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
 ALL RIGHTS RESERVED  
 THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS RESULTING FROM THAT DATA BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS, AND THE INCORPORATED IDEAS AND DESIGN, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
 ARCHITECTURE  
 PLANNING  
 DESIGN  
 1997 E. MAIN STREET  
 VENTURA, CA 93001  
 805 / 650 9590 PH  
 805 / 650 9589 FX  
 rocolb@sbcbglobal.net  
 CALIFORNIA C12050  
 N.C.A.R.B.



**VENTURA COUNTY COMMUNITY COLLEGE DISTRICT**  
 VENTURA COLLEGE  
 4667 Telegraph Road  
 Ventura, CA 93003

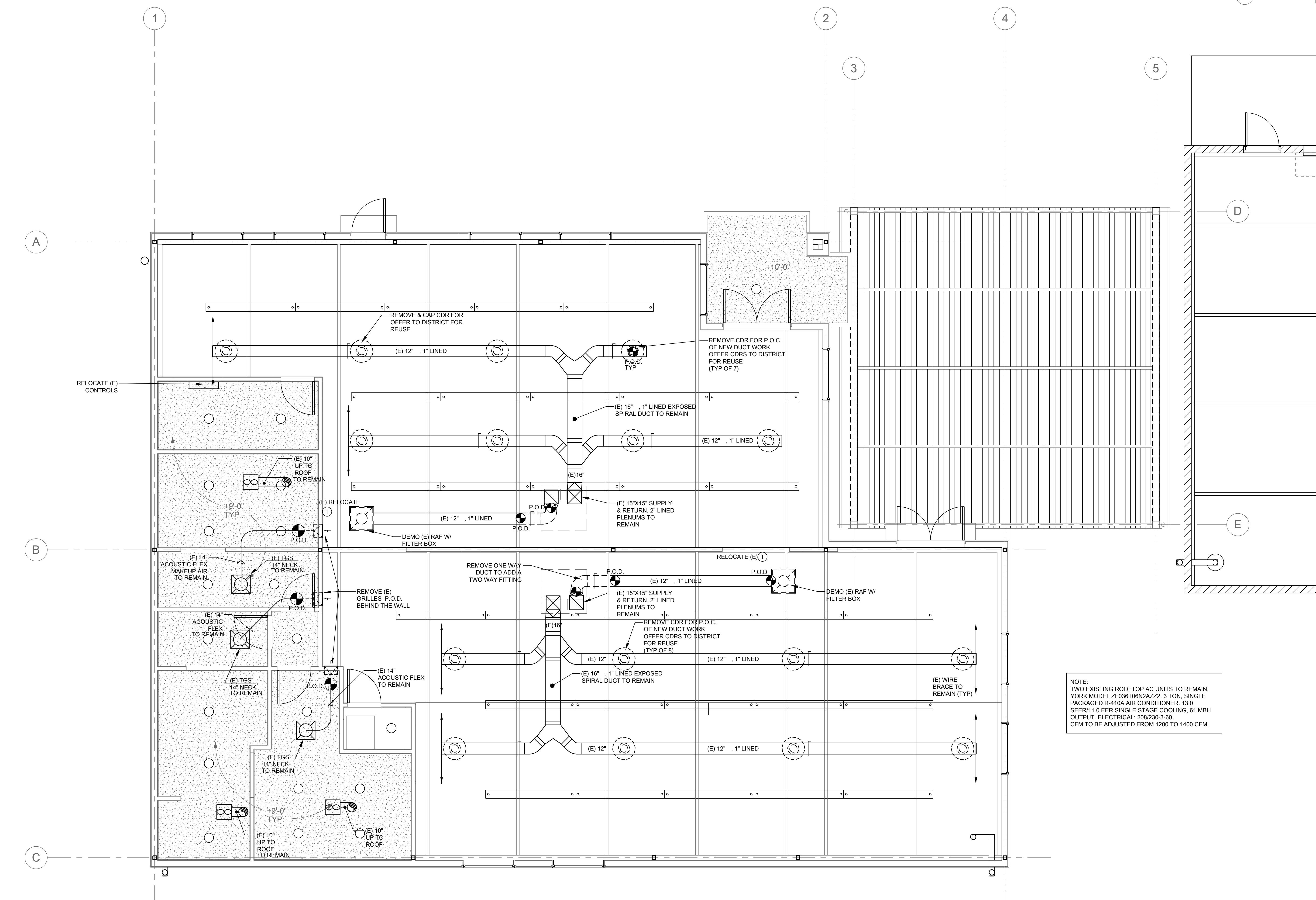
**DEPARTMENT OF MAINTENANCE & OPERATIONS**  
 71 Day Road  
 Ventura, CA 93003

**PROJECT DIRECTORY**  
**ELECTRICAL ENGINEER:**  
 Lucci & Associates  
 2251 Corte Malpaiso #511  
 Camarillo, CA 93012  
 Ken Lucci  
 (805) 389-6520 x230 Office  
**MECHANICAL ENGINEER:**  
 AE GROUP MECHANICAL ENGINEERS, INC.  
 Hugh McFerran  
 838 East Front Street  
 Ventura, CA 93001  
 (805) 653-1722  
**FIRE PROTECTION ENGINEER:**  
 Jack Collings, F.P.E.  
 Collings & Associates LLC  
 240 Noble Court, Suite 241  
 Ventura, CA, 93003  
 (805) 658-0003  
 jcollings@collingsandassociates.com

**AE Group Mechanical Engineers, Inc.**  
 838 East Front Street  
 Ventura, California 93001  
 (805) 653-1722 FAX: (805) 653-7260  
 hugh@aegrpme.com

**MECHANICAL DEMOLITION FLOOR PLAN**

SHEET NAME:	
DATE:	JULY 6, 2017
SCALE:	AS SHOWN
PROJECT:	M-2.0
SHEET NUMBER:	11 - 003



NOTE:  
 TWO EXISTING ROOFTOP AC UNITS TO REMAIN.  
 YORK MODEL ZF038T08N2AZ22. 3 TON, SINGLE  
 PACKAGED R-410A AIR CONDITIONER. 13.0  
 SEER/11.0 EER SINGLE STAGE COOLING. 61 MBH  
 OUTPUT. ELECTRICAL: 208/230-3-60.  
 CFM TO BE ADJUSTED FROM 1200 TO 1400 CFM.

**1 MECHANICAL DEMOLITION FLOOR PLAN - BUILDING C**  
 SCALE: 1/4"=1'

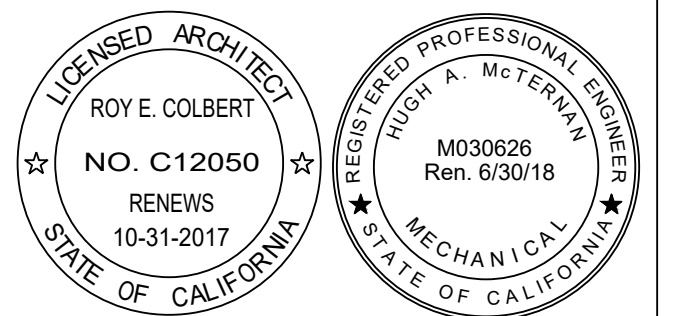
ISSUED FOR CONSTRUCTION

REVISIONS / DESCRIPTION	DATE	BY

SYMBOL LEGEND	
	P.O.C. POINT OF CONNECTION
	SUPPLY CDT
	RETURN RAT
	TRANSFER TGT
	TRANSFER TGS
	(E) SUPPLY & RETURN
	(N) SUPPLY & RETURN
	REFRIGERANT LINESET

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
 ALL RIGHTS RESERVED  
 THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS, HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS RESULTING FROM THAT DATA BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS, AND THE INCORPORATED REVISIONS AND DESIGN, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
 ARCHITECTURE  
 PLANNING  
 DESIGN  
 1997 E. MAIN STREET  
 VENTURA, CA 93001  
 805 / 850 / 9590 PH  
 805 / 850 / 9589 FX  
 roelb@sbcbglobal.net  
 CALIFORNIA C12050  
 N.C.A.R.B.



This project has been designed by me, or under my direct supervision.

**VENTURA COUNTY COMMUNITY COLLEGE DISTRICT**  
 VENTURA COLLEGE  
 4667 Telegraph Road  
 Ventura, CA 93003

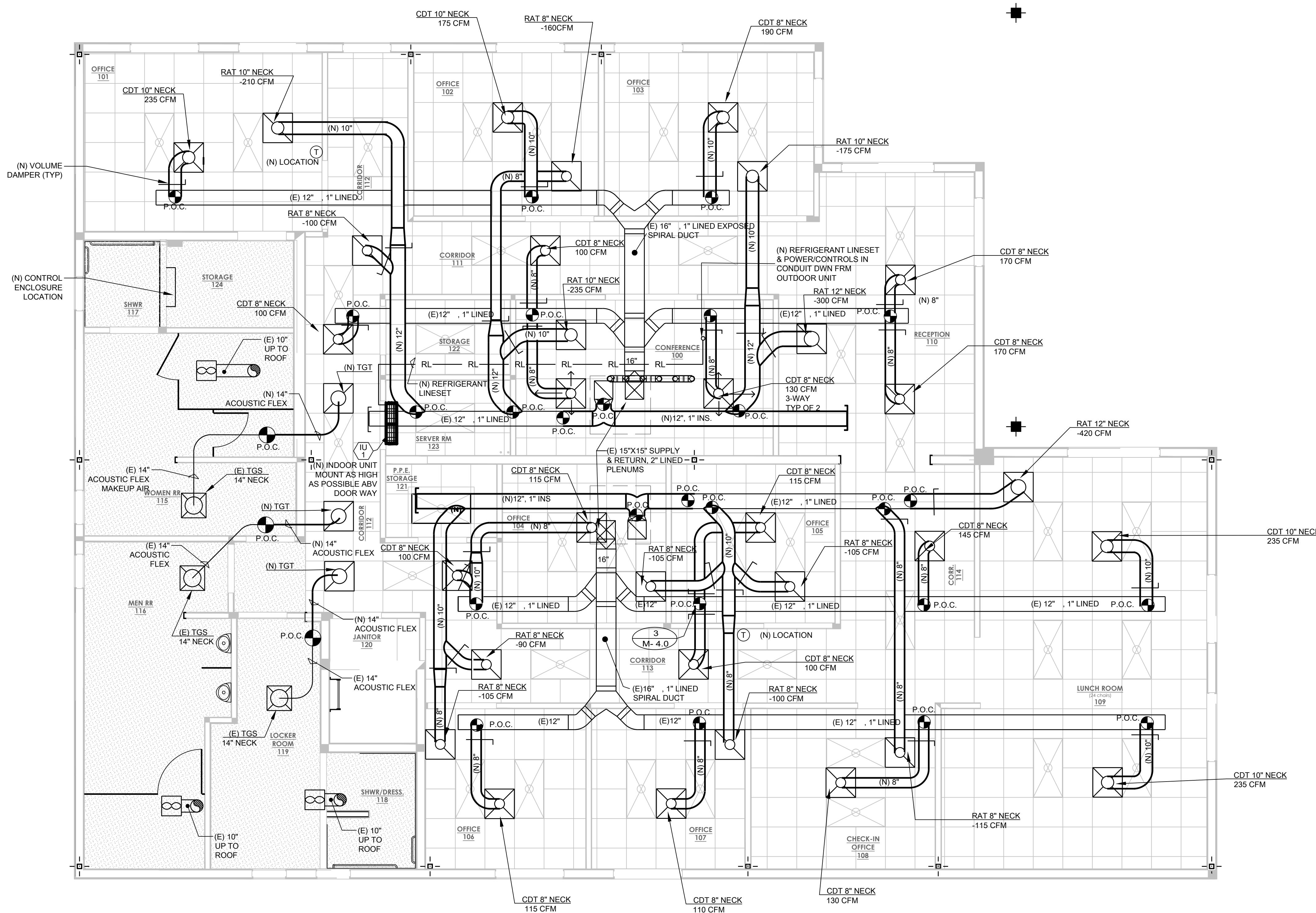
**DEPARTMENT OF MAINTENANCE & OPERATIONS**  
 71 Day Road  
 Ventura, CA 93003

**PROJECT DIRECTORY**  
**ELECTRICAL ENGINEER:**  
 Lucci & Associates  
 2251 Corte Malpaiso #511  
 Camarillo, CA 93012  
 Ken Lucci  
 (805) 389-6520 x230 Office  
**MECHANICAL ENGINEER:**  
 AE GROUP MECHANICAL ENGINEERS, INC.  
 Hugh McFerman  
 838 East Front Street  
 Ventura, CA 93001  
 (805) 653-1722  
**FIRE PROTECTION ENGINEER:**  
 Jack Collings, F.P.E.  
 Collings & Associates LLC  
 240 Maple Court, Suite 241  
 Ventura, CA, 93003  
 (805) 658-0003  
 jcollings@collingsandassociates.com

**AE Group Mechanical Engineers, Inc.**  
 838 East Front Street  
 Ventura, California 93001  
 (805) 653-1722 FAX: (805) 653-7260  
 hugh@aegrpme.com

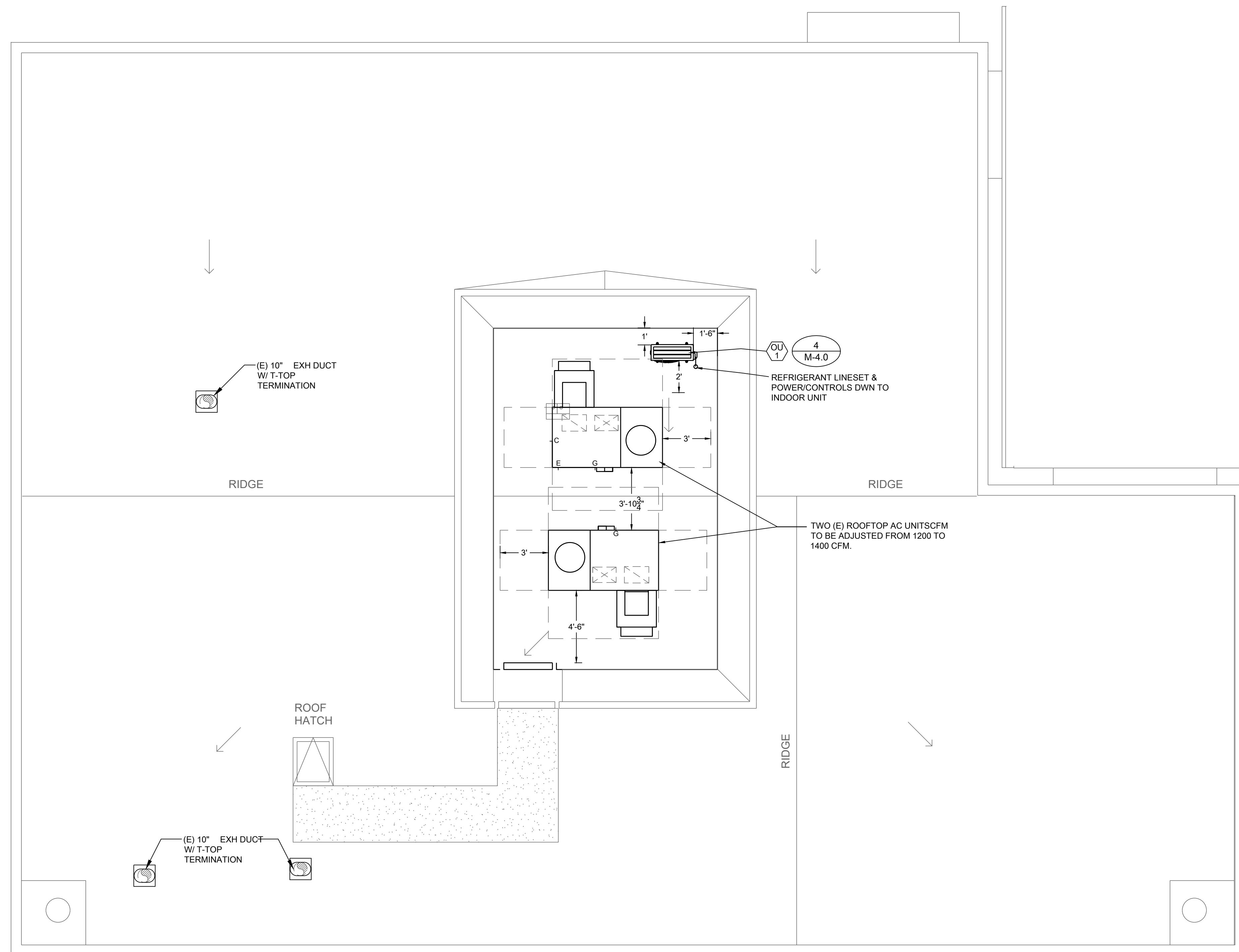
**MECHANICAL FLOOR PLAN - BUILDING C**

SHEET NAME	MECHANICAL FLOOR PLAN - BUILDING C
DATE	JULY 6, 2017
SCALE	AS SHOWN
PROJECT	M-3.0
SHEET NUMBER	OF SHEETS



**1 MECHANICAL FLOOR PLAN - BUILDING C**  
 SCALE: 1/4"=1'

ISSUED FOR CONSTRUCTION

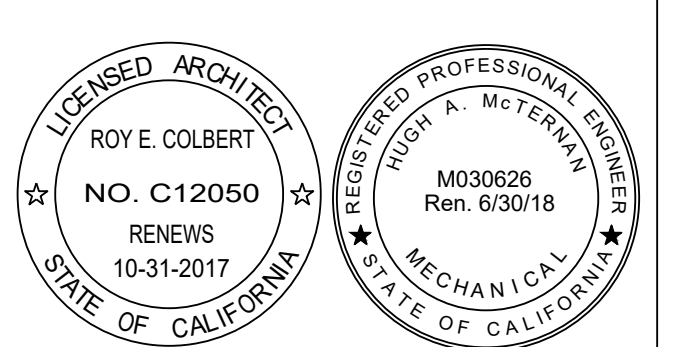


1 MECHANICAL ROOF PLAN - BUILDING C  
SCALE: 1/4"=1'

REVISIONS / DESCRIPTION	DATE	BY
△		
△		
△		
△		

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
ALL RIGHTS RESERVED  
THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS, HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS RESULTING FROM THAT DATA BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS, AND THE INCORPORATED IDEAS AND DESIGNS, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
ARCHITECTURE  
PLANNING  
DESIGN  
1997 E. MAIN STREET  
VENTURA, CA 93001  
805 / 650 . 9590 PH  
805 / 650 . 9589 FX  
rcolb@sbcbglobal.net  
CALIFORNIA C12050  
N.C.A.R.B.



This project has been designed by me, or under my direct supervision.

VENTURA COUNTY  
COMMUNITY COLLEGE  
DISTRICT  
VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

DEPARTMENT OF  
MAINTENANCE &  
OPERATIONS  
71 Day Road  
Ventura, CA 93003

**PROJECT DIRECTORY**  
**ELECTRICAL ENGINEERING:**  
Lucci & Associates  
2251 Corte Malpaso #511  
Camarillo, CA 93012  
Ken Lucci  
(805) 389-6520 x230 Office  
**MECHANICAL ENGINEER:**  
AE GROUP MECHANICAL ENGINEERS, INC  
Hugh McFerman  
838 East Front Street  
Ventura, CA 93001  
(805) 653-1722  
**FIRE PROTECTION ENGINEER:**  
Jack Collings, F.P.E.  
Collings & Associates LLC  
240 Maple Court, Suite 241  
Ventura, CA, 93003  
(805) 658-0003  
jcollings@collingsandassociates.com

**AE Group**  
**Mechanical Engineers, Inc.**  
838 East Front Street  
Ventura, California 93001  
(805) 653-1722 FAX: (805) 653-7260  
hugh@aegroupme.com

**MECHANICAL  
ROOF PLAN -  
BUILDING C**

SHEET NAME:  
DATE: JULY 6, 2017  
SCALE: AS SHOWN  
11 - 003  
PROJECT: M-3.1  
SHEET NUMBER: OF SHEETS

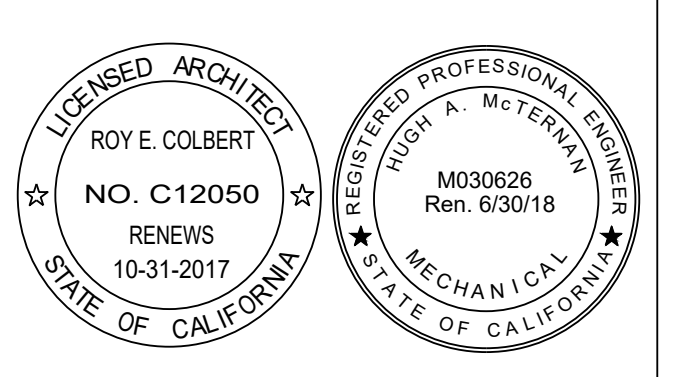
ISSUED FOR CONSTRUCTION



REVISIONS / DESCRIPTION	DATE	BY
△		
△		
△		

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
 ALL RIGHTS RESERVED  
 THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS RESULTING FROM THAT DATA BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS, AND THE INCORPORATED IDEAS AND DESIGNS, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
 ARCHITECTURE  
 PLANNING  
 DESIGN  
 1997 E. MAIN STREET  
 VENTURA, CA 93001  
 805 / 650 - 9590 PH  
 805 / 650 - 9589 FX  
 roelb@sbcglobal.net  
 CALIFORNIA C12050  
 N.C.A.R.B.



This project has been designed by me, or under my direct supervision.

**VENTURA COUNTY COMMUNITY COLLEGE DISTRICT**  
 VENTURA COLLEGE  
 4667 Telegraph Road  
 Ventura, CA 93003

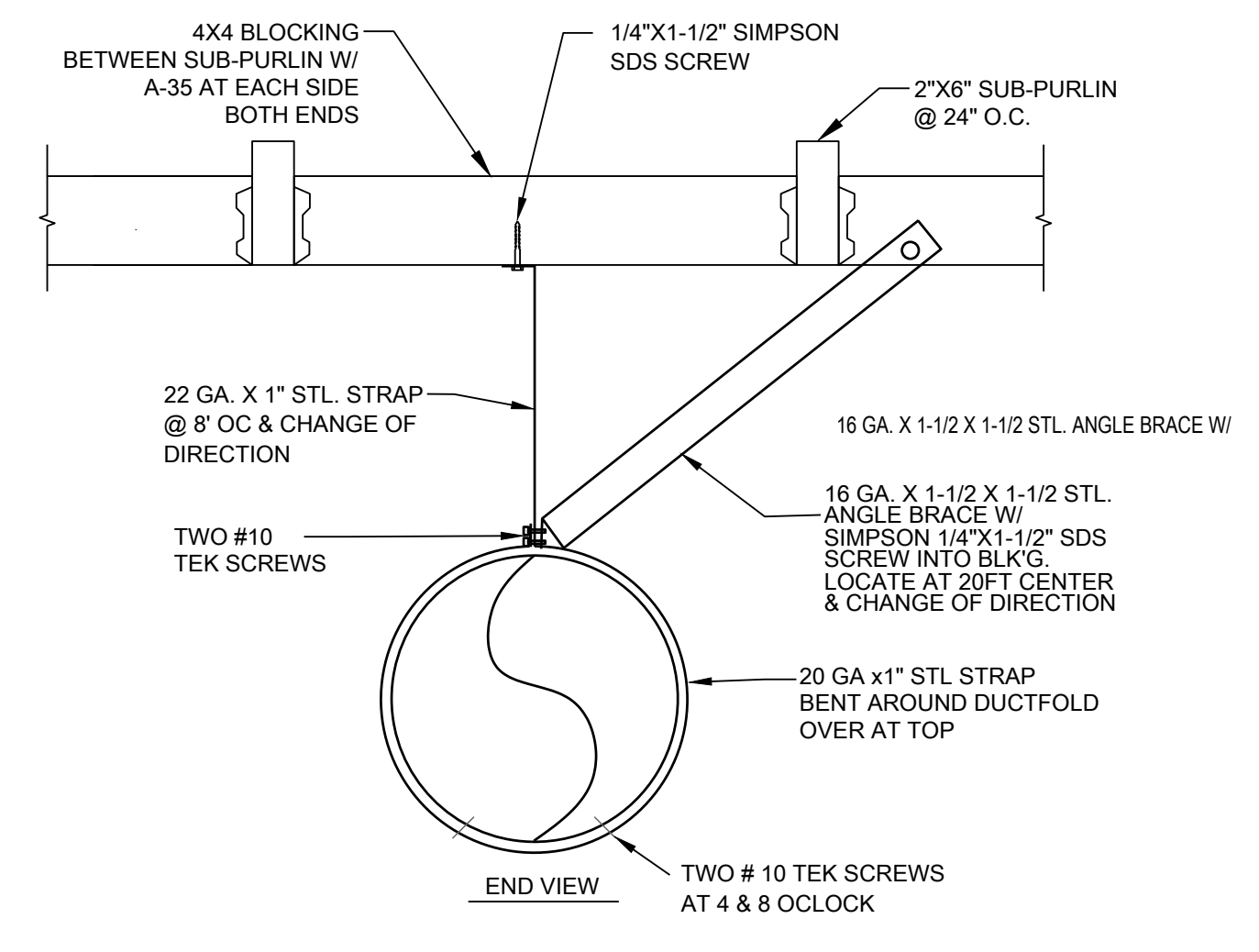
**DEPARTMENT OF MAINTENANCE & OPERATIONS**  
 71 Day Road  
 Ventura, CA 93003

**PROJECT DIRECTORY**  
**ELECTRICAL ENGINEERING:**  
 Lucchi & Associates  
 3251 Carle Malpaso #511  
 Camarillo, CA 93012  
 Ken Lucchi  
 (805) 389-6520 x230 Office  
**MECHANICAL ENGINEER:**  
 AE GROUP MECHANICAL ENGINEERS, INC.  
 Hugh McFerman  
 838 East Front Street  
 Ventura, CA 93001  
 (805) 653-1722  
**FIRE PROTECTION ENGINEER:**  
 Jack Collings, F.P.E.  
 Collings & Associates LLC  
 260 Nicole Court, Suite 241  
 Ventura, CA 93003  
 (805) 658-0003  
 jcollings@collingsandassociates.com

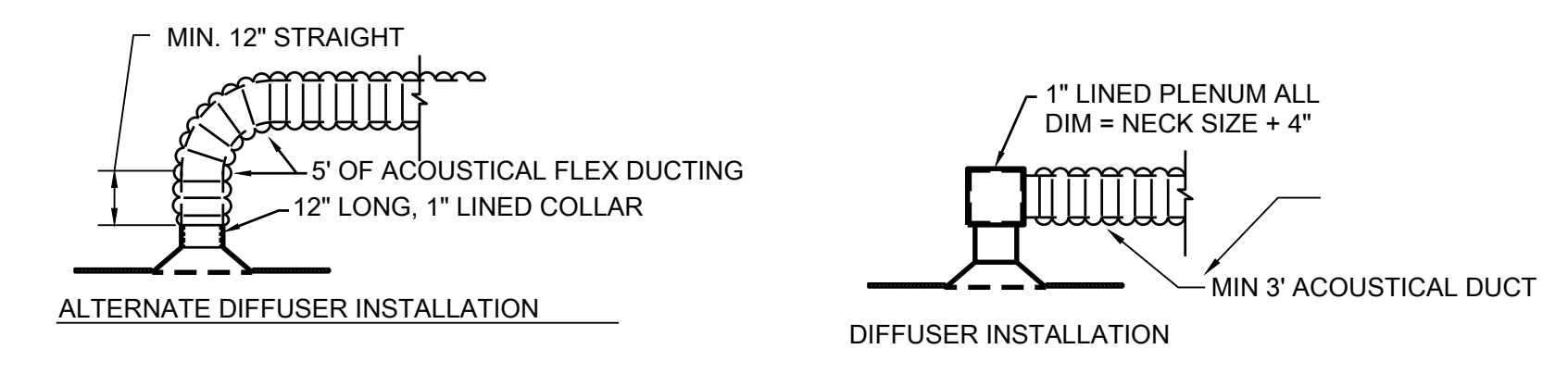
**AE Group Mechanical Engineers, Inc.**  
 838 East Front Street  
 Ventura, California 93001  
 (805) 653-1722 FAX: (805) 653-7260  
 hugh@aegrpme.com

**MECHANICAL DETAILS**

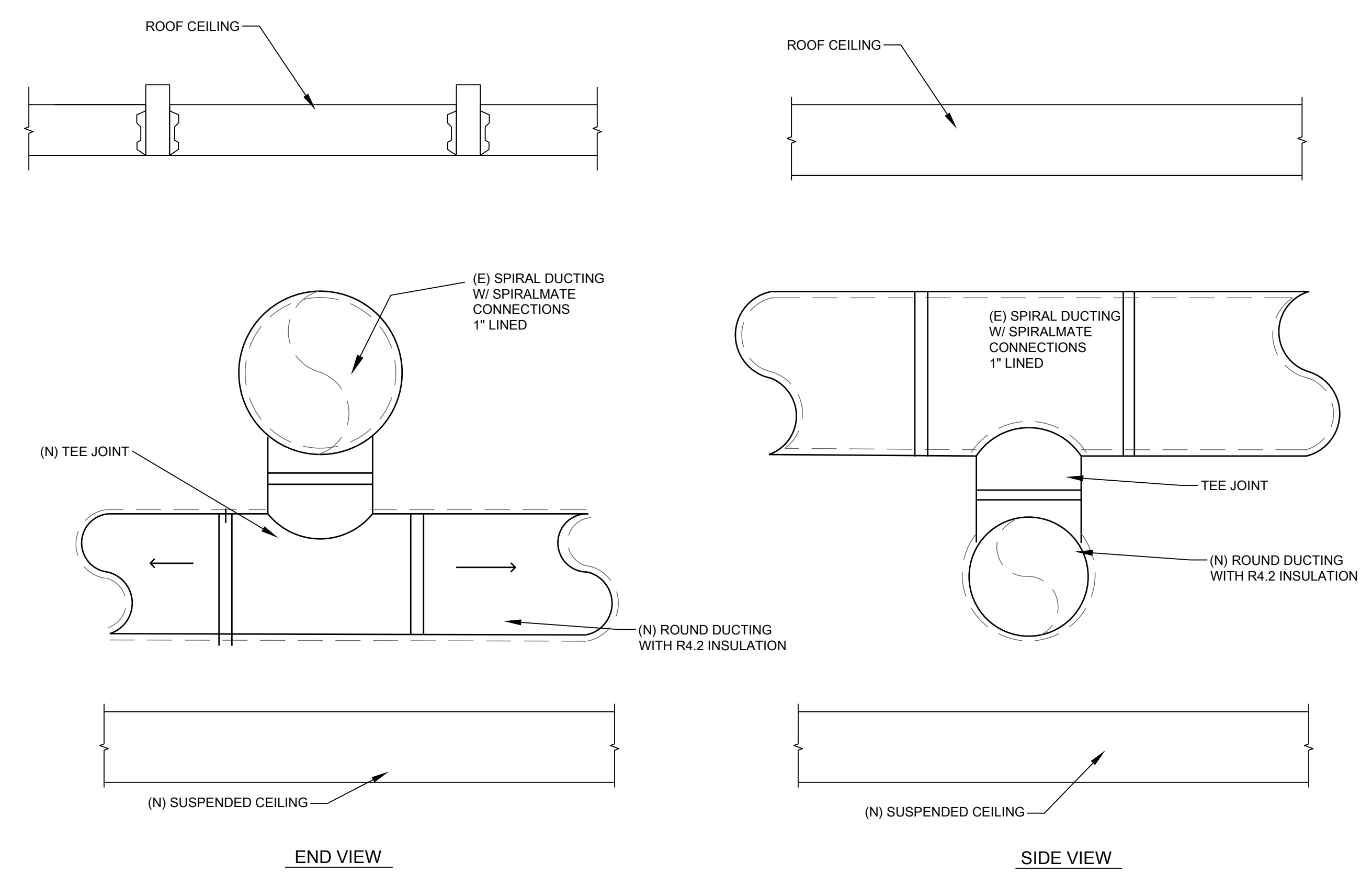
SHEET NAME:  
 DATE: JULY 6, 2017  
 SCALE: AS SHOWN  
 PROJECT: 11 - 003  
 SHEET NUMBER: **M-4.0** OF SHEETS



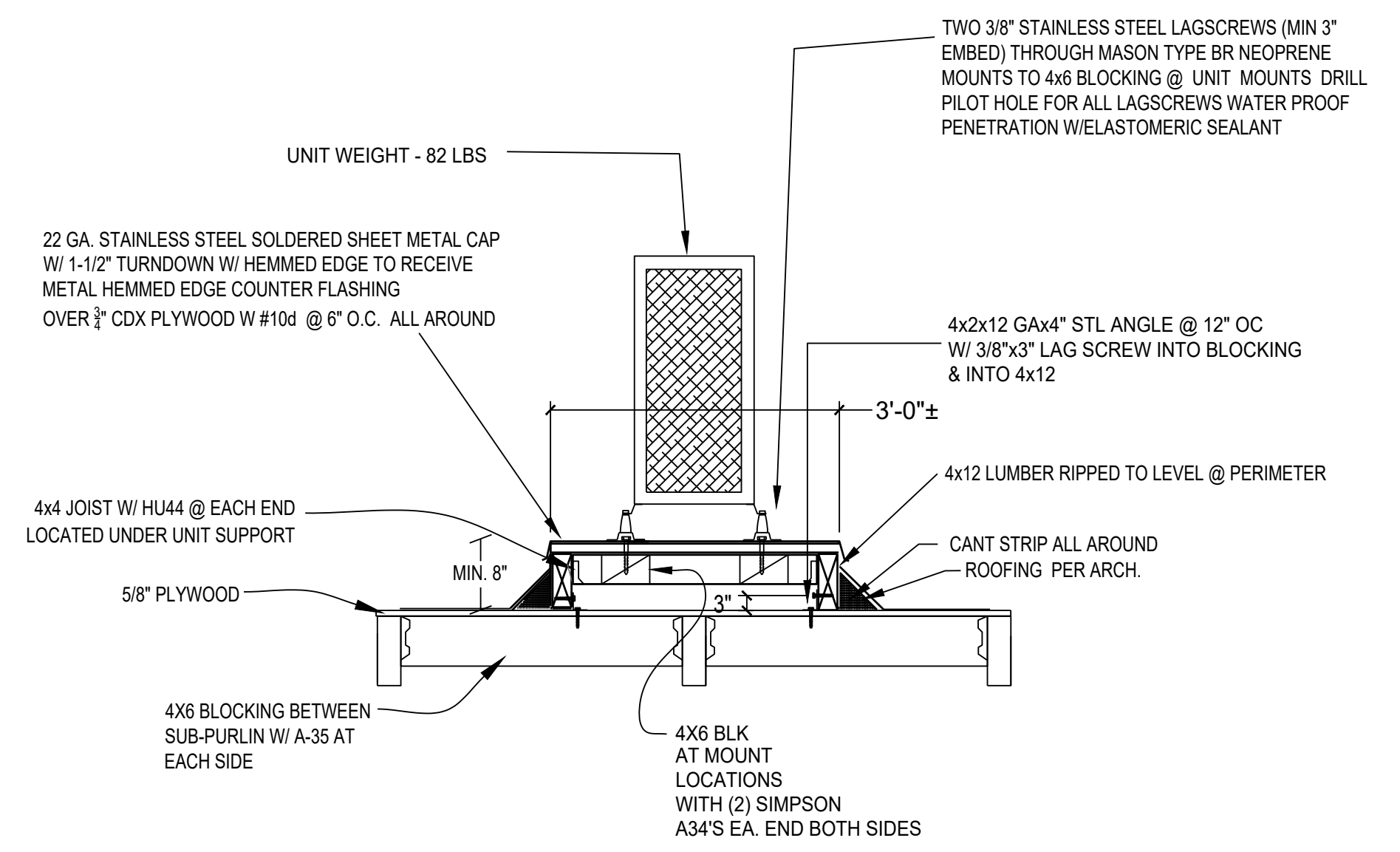
**1 TYPICAL DUCT SUPPORT**  
 SCALE: NTS  
 M-4.0



**2 DIFFUSER INSTALLATION DETAIL**  
 SCALE: NTS  
 M-4.0



**3 DUCT CONNECTION**  
 SCALE: NTS  
 M-4.0



**4 OUTDOOR UNIT (OU) SUPPORT DETAIL**  
 SCALE: NTS  
 M-4.0

ISSUED FOR CONSTRUCTION

**PLUMBING NOTES**

- SCOPE OF WORK: PLUMBING WORK INCLUDES THE FOLLOWING: FURNISH AND INSTALL ALL PIPING AND PLUMBING FIXTURES SHOWN ON THE PLUMBING AND ARCHITECTURAL DRAWINGS AND DESCRIBED IN THESE NOTES, UNLESS OTHERWISE DIRECTED BY DISTRICT. CONTRACTOR SHALL ARRANGE FOR AND PAY ALL FEES FOR CONNECTIONS TO UTILITIES FOR WATER, AND SEWER, IN CONNECTION WITH THIS WORK. CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL NECESSARY LABOR, DEVICES, HARDWARE AND SYSTEMS REQUIRED TO MAKE SAID SYSTEMS PROPERLY AND SAFELY OPERABLE, INCLUDING, BUT NOT LIMITED TO, TRENCHING AND BACKFILL, MOORING AND SUPPORT HARDWARE, FRAMING, INSULATION, VALVES, AND CLEANOUTS, SEWER, AND COLD WATER, ROUGH-IN AND HOOKUP FOR EQUIPMENT AS SHOWN IN THE PLANS.
- EXAMINATION OF SITE AND CONTRACT DOCUMENTS. EACH BIDDER SHALL, AT ITS SOLE COST AND EXPENSE, INSPECT THE SITE OF THE PROPOSED WORK TO BECOME FULLY ACQUAINTED WITH CONDITIONS RELATING TO THE WORK AND TO FULLY UNDERSTAND THE FACILITIES, DIFFICULTIES AND RESTRICTIONS ATTENDING THE EXECUTION OF THE WORK UNDER THE CONTRACT DOCUMENTS AND COST THEREOF. BIDDERS SHALL THOROUGHLY REVIEW AND BE FAMILIAR WITH THE CONTRACT DOCUMENTS, INCLUDING WITHOUT LIMITATION, THE SPECIFICATIONS AND THE DRAWINGS, THE FAILURE OR OMISSION OF ANY BIDDER TO RECEIVE OR EXAMINE ANY OF THE CONTRACT DOCUMENTS, FORMS, INSTRUMENTS, ADDENDA, OR OTHER DOCUMENTS OR TO INSPECT THE SITE SHALL NOT RELIEVE SUCH BIDDER FROM ANY OBLIGATIONS WITH RESPECT TO THE BID PROPOSAL, THE CONTRACT OR THE WORK REQUIRED UNDER THE CONTRACT DOCUMENTS. THE OWNER ASSUMES NO RESPONSIBILITY OR LIABILITY TO ANY BIDDER FOR, NOR SHALL THE OWNER BE BOUND BY, ANY UNDERSTANDINGS, REPRESENTATIONS OR AGREEMENTS OF THE DISTRICT'S AGENTS, EMPLOYEES OR OFFICERS CONCERNING THE CONTRACT DOCUMENTS OR THE WORK MADE PRIOR TO EXECUTION OF THE CONTRACT.
- INTERPRETATION OF DRAWINGS OR CONTRACT DOCUMENTS. IF ANY BIDDER IS IN DOUBT AS TO THE TRUE MEANING OF ANY PART OF THE DRAWINGS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS; FINDS DISCREPANCIES, ERRORS OR OMISSIONS; OR FINDS VARIANCES IN ANY OF THE CONTRACT DOCUMENTS WITH APPLICABLE RULES, REGULATIONS, ORDINANCES AND/OR LAWS, A WRITTEN REQUEST FOR AN INTERPRETATION OR CORRECTION THEREOF MAY BE SUBMITTED TO THE ENGINEER. IT IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE BIDDER TO SUBMIT SUCH REQUEST IN SUFFICIENT TIME FOR THE PREPARATION OF A RESPONSE THERETO AND DELIVERY OF SUCH RESPONSE TO ALL BIDDERS PRIOR TO THE SCHEDULED CLOSING FOR RECEIPT OF BID PROPOSALS. ANY REQUEST OF ANY BIDDER, PURSUANT TO THE FOREGOING SENTENCE THAT IS MADE LESS THAN SEVEN DAYS PRIOR TO THE SCHEDULED CLOSING DATE FOR THE RECEIPT OF BID PROPOSALS SHALL BE DEEMED UNTIMELY. ANY INTERPRETATION OR CORRECTION OF THE CONTRACT DOCUMENTS WILL BE MADE ONLY BY WRITTEN ADDENDUM DULY ISSUED BY THE DISTRICT OR THE ENGINEER. A COPY OF ANY SUCH ADDENDUM WILL BE MAILED OR OTHERWISE DELIVERED TO EACH BIDDER RECEIVING A SET OF THE CONTRACT DOCUMENTS. NO PERSON IS AUTHORIZED TO RENDER AN ORAL INTERPRETATION OR CORRECTION OF ANY PORTION OF THE CONTRACT DOCUMENTS TO ANY BIDDER, AND NO BIDDER IS AUTHORIZED TO RELY ON ANY SUCH ORAL INTERPRETATION OR CORRECTION. FAILURE TO REQUEST INTERPRETATION OR CLARIFICATION OF THE DRAWINGS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS PURSUANT TO THE FOREGOING SHALL BE DEEMED TO BE A WAIVER OF ANY DISCREPANCY, DEFECT, OR CONFLICT THEREIN.
- DIMENSIONS. ALL DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS BEFORE PROCEEDING WITH WORK. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON WORKING DRAWINGS. ALL SIZES OF EQUIPMENT AND MATERIALS SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER. ALL PLUMBING FIXTURES SHALL BE INSTALLED PER THE DIMENSIONS ON THE ARCHITECTURAL DRAWINGS.
- CODES AND STANDARDS: ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE 2016 CALIFORNIA PLUMBING CODE, THE 2016 CALIFORNIA MECHANICAL CODE, THE 2016 CALIFORNIA BUILDING CODE, 2016 GREEN BUILDING CODE, THE STATE OF CALIFORNIA, DSA AMENDMENTS, AND STANDARD CONSTRUCTION PRACTICES. ALL PLUMBING FIXTURES SHALL BE IN STRICT ACCORDANCE WITH THE FIXTURE SCHEDULE, AND SHALL BE NEW AND FREE FROM DEFECTS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES, AND SHALL OBTAIN APPROVED INSPECTIONS FOR ALL WORK AS REQUIRED BY OWNER, DSA, AND LOCAL JURISDICTION. CONTRACTOR SHALL MAINTAIN IN EFFECT ALL INSURANCE REQUIRED BY STATE LAWS, LOCAL JURISDICTION, AND GENERAL CONTRACTOR / DISTRICT. WHERE CONFLICT OR VARIATION EXISTS AMONGST CODES, SPECIFICATIONS, OR DRAWINGS, THE MOST STRINGENT SHALL GOVERN.
- SUBMITTALS REQUIRED: PRIOR TO ORDERING FIXTURES AND MATERIALS, CONTRACTOR SHALL FURNISH SUBMITTALS OF ALL FIXTURES AND MATERIALS PROPOSED FOR USE IN THIS PROJECT. ALL FIXTURES AND MATERIALS SHALL BE INSTITUTIONAL GRADE HEAVY DUTY QUALITY. ORDERING OF FIXTURES AND MATERIALS SHALL ONLY PROCEED AFTER SATISFACTORY REVIEW OF ALL SUBMITTALS BY ENGINEER / DISTRICT. COPIES OF ALL OWNER'S MANUALS, WARRANTIES, AND OTHER WRITTEN INFORMATION REGARDING SYSTEMS SHALL BE SUBMITTED TO OWNER.
- CONSTRUCTION OBSERVATION: IN ADDITION TO THE REQUIREMENT FOR OBTAINING INSPECTIONS BY THE LOCAL JURISDICTION, CONTRACTOR SHALL NOTIFY ENGINEER AT APPROPRIATE TIMES DURING THE CONSTRUCTION PROCESS SO THAT ENGINEER CAN VISIT SITE TO BECOME GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF CONTRACTOR'S WORK AND TO DETERMINE IF THE WORK IS PROCEEDING IN GENERAL ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- UNDERGROUND ALERT: BEFORE LAYING OUT PIPING AND PERFORMING TRENCHING, CONTRACTOR SHALL DETERMINE LOCATIONS OF EXISTING UNDERGROUND UTILITIES. CONTACT "DIG ALERT" / UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA" - 1-800-422-4133. CONTRACTOR SHALL ALSO CONTACT DISTRICT'S REPRESENTATIVE TO ASCERTAIN LOCATIONS OF UNDERGROUND PIPING AND OTHER CONDITIONS AFFECTING TRENCHING, AND SHALL PERFORM TESTING AND SUBSURFACE EXPLORATION AS NECESSARY TO LOCATE UTILITIES.
- TRENCHING: SEE CIVIL & SOILS ENGINEERING REQUIREMENTS FOR TRENCHING.
- WATER PIPING: TRANSITIONS FROM PVC TO COPPER SHALL BE MADE WITH MALE PVC TO FEMALE COPPER ADAPTERS. ALL ABOVE GROUND COLD AND HOT WATER PIPES IN BUILDINGS SHALL BE U.S. MANUFACTURED TYPE "L" HARD COPPER WITH (NON-LEAD) SOLDER SWEAT JOINTS. ALL UNDERGROUND WATER PIPING IN BUILDINGS SHALL BE TYPE "K" SOFT COPPER, WITH NO JOINTS ALLOWED UNDER SLABS. UNDERGROUND JOINTS SHALL BE BRAZED. ALL WATER SHUT-OFF VALVES SHALL BE BALL TYPE OF BRONZE CONSTRUCTION, WATTS LFB-6000-SS, NIBCO S-685-80-LF, OR EQUAL.
- CLEANOUTS: INSTALL CLEANOUTS ON ALL WASTE AND RAINWATER PIPING PER CPC. WALL CLEANOUTS SHALL BE CAST IRON CLEANOUT TEE WITH COUNTERSUNK BRONZE PLUG AND ROUND STAINLESS STEEL COVER WITH VANDAL-PROOF -SCREWS - J.R. SMITH 4532S-LY; ZURN Z-1446-BP-VP, OR EQUAL. FLOOR CLEANOUTS SHALL BE CAST IRON BODY WITH BRONZE PLUG AND SQUARE ADJUSTABLE NON-SKID NICKEL-BRONZE TOP WITH VANDAL PROOF TOP FOR FINISHED FLOOR, J.R. SMITH 4043S-PB, ZURN ZN-1400-TV.P, OR EQUAL. CLEANOUTS TO GRADE SHALL BE J.R. SMITH 4253S OR EQUAL WITH BRONZE PLUG AND NON-SKID COVER WITH LIFTING DEVICE SET FLUSH WITH SURFACE FOR PAVED AREAS. NON-TRAFFIC OR NON-SURFACED AREAS SHALL BE INSTALLED WITH CAST IRON CLEANOUT RISERS TERMINATING WITH BRONZE PLUG WITHIN CONCRETE YARD BOX WITH CAST IRON COVER AND THE WORDS "BUILDING SEWER CLEANOUT" MARKED ON COVER.
- PIPING SUPPORT: ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2016 CALIFORNIA PLUMBING CODE. HORIZONTAL WATER PIPES AND CONDENSATE DRAINS SHALL BE HUNG WITH TOLOCO FELT-LINED PIPE HANGERS, THREADED ROD, AND BEAM ATTACHMENT BRACKETS, LOCATED AT SIX FOOT MAXIMUM INTERVALS. VERTICAL WATER PIPES AND CONDENSATE DRAINS SHALL BE SUPPORTED AT THEIR BASES AND AT EACH STORY OR AT TEN FOOT MAXIMUM INTERVALS. TO PREVENT SWAYING, PROVIDE LATERAL BRACING AT SIX FOOT INTERVALS ANCHORED TO OVERHEAD FRAMING. HORIZONTAL NATURAL GAS PIPING SHALL BE SUSPENDED WITH THE SAME HARDWARE AS FOR WATER PIPING. EXCEPT WITHOUT FELT LINER, LOCATED EVERY TEN FEET FOR PIPES 3/4" AND SMALLER, AND TWELVE FEET MAXIMUM FOR PIPES 1" AND LARGER. VERTICAL NATURAL GAS PIPING SHALL BE SUPPORTED AT EACH STORY HEIGHT. TO PREVENT SWAYING, PROVIDE LATERAL BRACING AT TEN FOOT INTERVALS ANCHORED TO OVERHEAD FRAMING.
- ROUGH-IN: EXCEPT WHERE INDICATED IN THE FIXTURE SCHEDULE FOR ACCESSIBLE FIXTURES, PIPING ROUGH-IN SHALL BE IN PRECISE ACCORDANCE WITH THE STANDARD ROUGH-IN DIMENSIONS PUBLISHED BY THE MANUFACTURER. ALL FIXTURES SHALL BE LOCATED IN STRICT CONFORMANCE WITH THE ARCHITECTURAL PLANS. COORDINATE WITH MECHANICAL CONTRACTOR FOR INSTALLATION OF GAS AND CONDENSATE PIPING TO ANY HVAC UNITS. COORDINATE W/ FRAMING & CONCRETE CONTRACTORS FOR BACKING & BLOCKOUTS AS REQD.
- SEISMIC ANCHORING: ANCHOR ALL EQUIPMENT INCLUDING WATER HEATERS TO RESIST SEISMIC INDUCED MOTION WITH APPROVED ANCHORING DEVICES PER DSA, CPC & CBC REQUIREMENTS.
- CORRECTION OF WORK: THE CONTRACTOR SHALL PROMPTLY CORRECT ALL WORK COLLEGE FINDS DEFECTIVE OR FAILING TO CONFORM TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BEAR ALL COSTS REQUIRED BY THE CONTRACT DOCUMENTS. IF ANY OF THE WORK IS FOUND TO BE DEFECTIVE OR NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL CORRECT IT PROMPTLY AFTER RECEIPT OF A WRITTEN NOTICE FROM COLLEGE TO DO SO.
- AS-BUILT DRAWINGS SHALL BE GIVEN TO THE DISTRICT PRIOR TO ACCEPTANCE OF THE PROJECT.
- WARRANTY: THE CONTRACTOR SHALL WARRANT THAT ALL SYSTEMS, SUBSYSTEMS, AND COMPONENT PARTS ARE FULLY FREE FROM DEFECTIVE DESIGN, MATERIALS, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY COLLEGE.
- CLEANUP: CONTRACTOR SHALL THOROUGHLY CLEAN ENTIRE JOBSITE EVERY DAY OF ALL DEBRIS ASSOCIATED WITH PLUMBING INSTALLATION.
- COORDINATION: CONTRACTOR SHALL COORDINATE WITH COLLEGE'S PROJECT MANAGER AND ALL RELATED TRADES.
- CONDENSATE PIPE SHALL BE COPPER TYPE "L" WITH SOLDERED WROT COPPER FITTINGS. SLOPE MIN 1/8"/FT TO DRAIN, PROVIDE TEE W/ BRASS PLUG AT CHANGES OF DIRECTION.

**FIXTURE SCHEDULE**

SYMBOL	WASTE	VENT	CW	HW	DESCRIPTION
	2"	1-1/2"	1/2"	1/2"	SINK, ELKAY MODEL #EFRU3118DBG LUSTERTONE STAINLESS STEEL, DOUBLE BOWL UNDERMOUNT SINK W/ CHICAGO FAUCET MODEL #1100-HA8AE35-317AB . VERIFY COUNTERTOP DIMENSION FOR INSTALLMENT.
	2	1-1/2"	-	-	TRENCH DRAIN, ZURN MODEL ZS880 STAINLESS STEEL LINEAR SHOWER DRAIN. ANTI-PONDING V-SHAPED CHANNEL W/ 2" NO-HUB CENTER OUTLET. LINEAR SLOTTED HEEL-PROOF GRATE.
	-	-	3/4"	3/4"	SHOWER, SINGLE STATION, WALL MOUNTED, ADA COMPLIANT, ACORN APEX MODEL 410BADA SERIES TYPE 1, FLUSH-MOUNTED, WITH T/P TEMPERATURE - THERMOSTATIC/PRESSURE BALANCING MIXING VALVE, SUPPLY FLOW CONTROL 1.5 GPM.
	-	-	3/4"	3/4"	WATER HEATER, AMERICAN LOWBOY MODEL LDCE32-30L, 30 GALLON, 208 V, 4500 WATTS, WITH HOLDRITE MODEL 50-SWHP WALL HUNG PLATFORM. TEMPERING VALVE WATTS MODEL LFN170-M3. WEIGHT: 350LBS
	2	1-1/2	1/2"	-	LAVATORY, UNDER-MOUNT, WHITE KOHLER TAHOE K-2890-4U W/ CHICAGO FAUCET #802-V317ABCP MANUAL VALVE SET W/ E39VP, 0.35 GPM VANDAL PROOF NON-AERATING. INSTALL HEAVY PATTERN ANGLE STOP VALVES UNDER-SINK SUPPLY CONNECTIONS. SEE ARCHITECTURAL PLANS FOR ADA COMPLIANT REQUIREMENTS FOR HEIGHTS.

REVISIONS / DESCRIPTION	DATE	BY

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
 ALL RIGHTS RESERVED  
 THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS RESULTING FROM THAT DATA BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS, AND THE INCORPORATED IDEAS AND DESIGN, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**

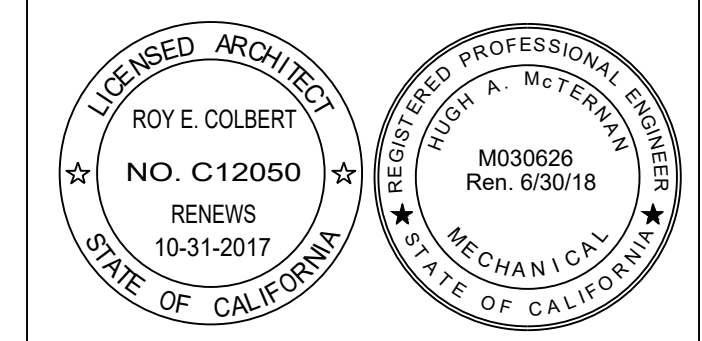
**ARCHITECTURE  
PLANNING  
DESIGN**

1997 E. MAIN STREET  
VENTURA, CA 93001

805 / 650 / 9590 PH  
805 / 650 / 9589 FX

roelb@sbcglobal.net

CALIFORNIA C12050  
N.C.A.R.B.



This project has been designed by me, or under my direct supervision.

**VENTURA COUNTY  
COMMUNITY COLLEGE  
DISTRICT**

VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

**DEPARTMENT OF  
MAINTENANCE &  
OPERATIONS**  
71 Day Road  
Ventura, CA 93003

**PROJECT DIRECTORY**

**ELECTRICAL ENGINEERING:**

Lucci & Associates  
3251 Corie Malpasso #511  
Carmelita, CA 93002  
Ken Lucci  
(805) 389-6520 x230 Office

**MECHANICAL ENGINEER:**

AE GROUP MECHANICAL ENGINEERS, INC.  
Hugh McFerran  
838 East Front Street  
Ventura, CA 93001  
(805) 653-1722

**FIRE PROTECTION ENGINEER:**

Jack Collings, F.P.E.  
Collings & Associates LLC  
260 Maple Court, Suite 241  
Ventura, CA 93003  
(805) 658-0003  
jcollings@collingsandassociates.com

**AE Group  
Mechanical Engineers, Inc.**  
838 East Front Street  
Ventura, California 93001  
(805) 653-1722 FAX: (805) 653-7260  
hugh@aegroupme.com

**PLUMBING  
NOTES &  
SCHEDULES**

SHEET NAME:

JULY 6, 2017

DATE:

← 1" ACTUAL →  
IF THE ABOVE DIMENSION DOES NOT INDICATE OTHERWISE, DIMENSIONS SHOWN IN THIS DRAWING WILL HAVE BEEN DIMENSIONED OR REDUCED, AFFECTING ACTUAL MEASUREMENT OF ALL LABELED SCALES.

AS SHOWN

SCALE:

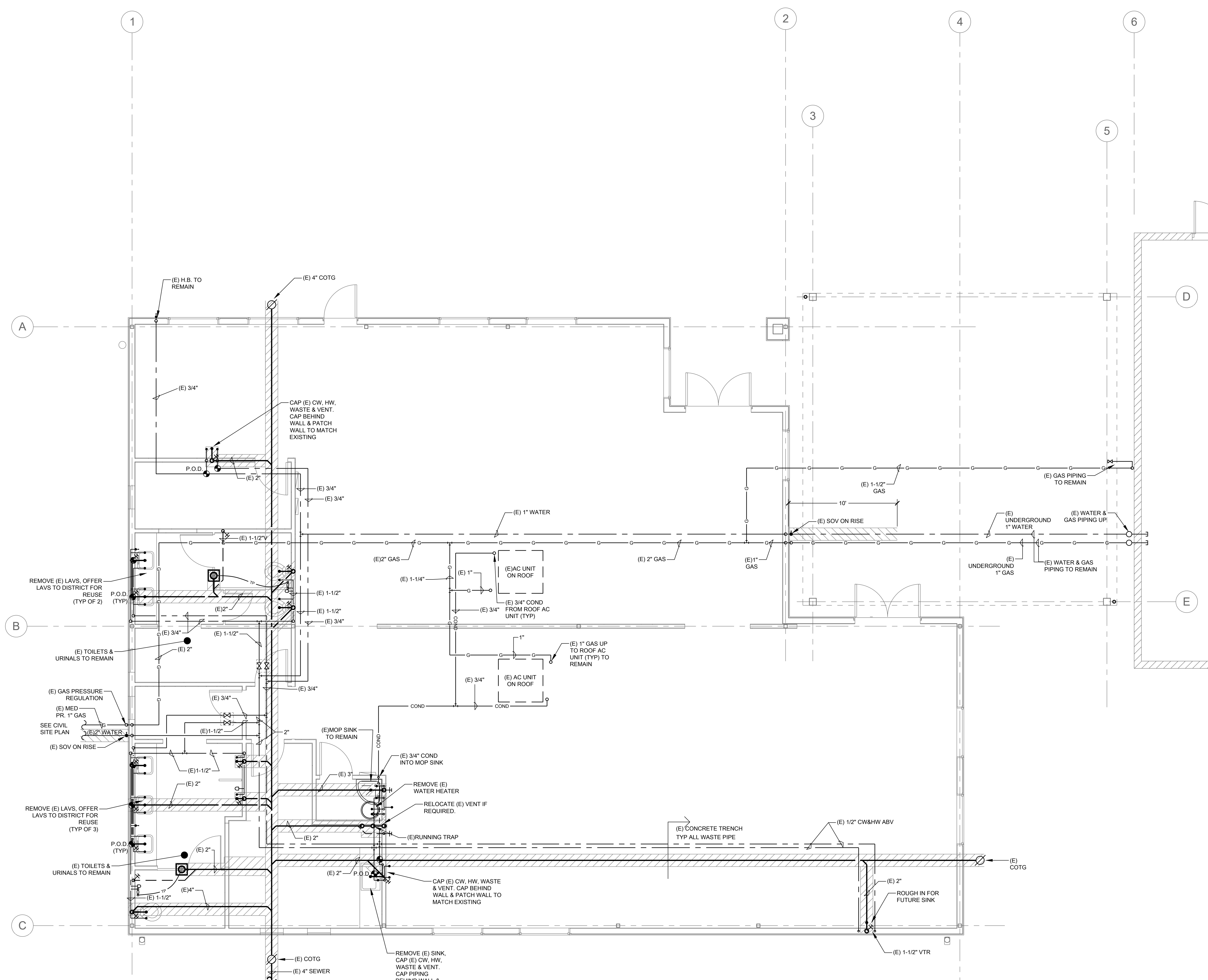
11 - 003

PROJECT:

**P-1.0**

SHEET NUMBER: OF SHEETS

ISSUED FOR CONSTRUCTION



LINE LEGEND	
	(E) COLD WATER
	(E) HOT WATER
	(E) WASTE
	(E) VENT
	(E) GAS
	(E) CONDENSATE

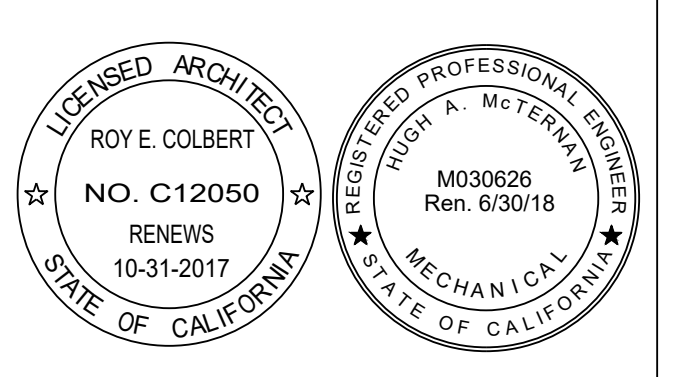
  

SYMBOL LEGEND	
	FLOOR CLEAN-OUT
	WALL CLEAN-OUT
	SHUT-OFF VALVE
	TEE
	P.O.D. POINT OF DISCONNECTION
	(E) CONCRETE TRENCH HATCH.

REVISIONS / DESCRIPTION	DATE	BY

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
 ALL RIGHTS RESERVED  
 THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS RESULTING FROM THAT DATA BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS, AND THE INCORPORATED DEETS AND DETAILS, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
 ARCHITECTURE  
 PLANNING  
 DESIGN  
 1997 E. MAIN STREET  
 VENTURA, CA 93001  
 805 / 650 9590 PH  
 805 / 650 9589 FX  
 roelb@sbcbglobal.net  
 CALIFORNIA C12050  
 N.C.A.R.B.



This project has been designed by me, or under my direct supervision.

**VENTURA COUNTY COMMUNITY COLLEGE DISTRICT**  
 VENTURA COLLEGE  
 4667 Telegraph Road  
 Ventura, CA 93003

**DEPARTMENT OF MAINTENANCE & OPERATIONS**  
 71 Day Road  
 Ventura, CA 93003

**PROJECT DIRECTORY**  
**ELECTRICAL ENGINEERING:**  
 Lucci & Associates  
 2251 Corte Malpais #511  
 Camarillo, CA 93012  
 Ken Lucci  
 (805) 389-6520 x230 Office  
**MECHANICAL ENGINEER:**  
 AE GROUP MECHANICAL ENGINEERS, INC.  
 Hugh McFerman  
 838 East Front Street  
 Ventura, CA 93001  
 (805) 653-1722  
**FIRE PROTECTION ENGINEER:**  
 Jack Collins, F.P.E.  
 Collins & Associates LLC  
 240 Noble Court, Suite 241  
 Ventura, CA, 93003  
 (805) 658-0003  
 jcollins@collinsandassociates.com

**AE Group Mechanical Engineers, Inc.**  
 838 East Front Street  
 Ventura, California 93001  
 (805) 653-1722 FAX: (805) 653-7260  
 hugh@aegrpme.com

**PLUMBING DEMO FLOOR PLAN - BUILDING C**

SHEET NAME:	
DATE:	JULY 6, 2017
SCALE:	AS SHOWN
SCALE:	11 - 003
PROJECT:	P-2.0
SHEET NUMBER:	OF SHEETS

**1 PLUMBING DEMO FLOOR PLAN - BUILDING C**  
 SCALE: 1/4"=1'

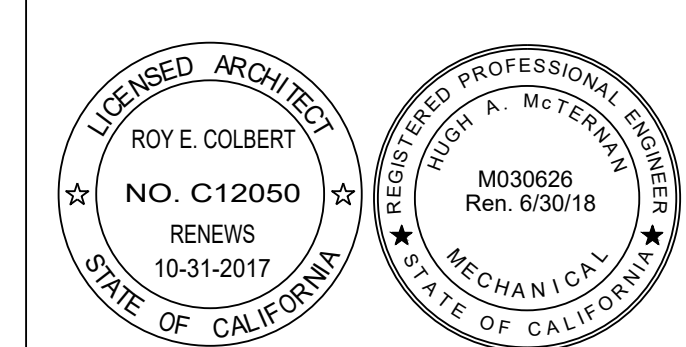
ISSUED FOR CONSTRUCTION

REVISIONS / DESCRIPTION	DATE	BY

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
 ALL RIGHTS RESERVED  
 THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS RESULTING FROM THAT DATA BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS, AND THE INCORPORATED DEETS AND DETAILS, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
 ARCHITECTURE  
 PLANNING  
 DESIGN

1997 E. MAIN STREET  
 VENTURA, CA 93001  
 805 / 850 . 9590 PH  
 805 / 650 . 9589 FX  
 rocolb@sbcbglobal.net  
 CALIFORNIA C12050  
 N.C.A.R.B.



This project has been designed by me, or under my direct supervision.

VENTURA COUNTY  
 COMMUNITY COLLEGE  
 DISTRICT

VENTURA COLLEGE  
 4667 Telegraph Road  
 Ventura, CA 93003

DEPARTMENT OF  
 MAINTENANCE &  
 OPERATIONS  
 71 Day Road  
 Ventura, CA 93003

**PROJECT DIRECTORY**  
**ELECTRICAL ENGINEERING:**  
 Lucchi & Associates  
 2251 Corte Malpais #511  
 Camarillo, CA 93013  
 Ken Lucchi  
 (805) 389-6520 x230 Office

**MECHANICAL ENGINEER:**  
 AE GROUP MECHANICAL ENGINEERS, INC.  
 Hugh McFerran  
 838 East Front Street  
 Ventura, CA 93001  
 (805) 653-1722

**FIRE PROTECTION ENGINEER:**  
 Jack Collings, F.P.E.  
 Collings & Associates LLC  
 240 Noble Court, Suite 241  
 Ventura, CA, 93003  
 (805) 658-0003  
 jcollings@collingsandassociates.com

**AE Group**  
**Mechanical Engineers, Inc.**  
 838 East Front Street  
 Ventura, California 93001  
 (805) 653-1722 FAX: (805) 653-7260  
 hugh@aegrpme.com

**PLUMBING  
 FLOOR PLAN -  
 BUILDING C**

SHEET NAME:	
DATE:	JULY 6, 2017
SCALE:	AS SHOWN
PROJECT:	11 - 003
SHEET NUMBER:	P-3.0

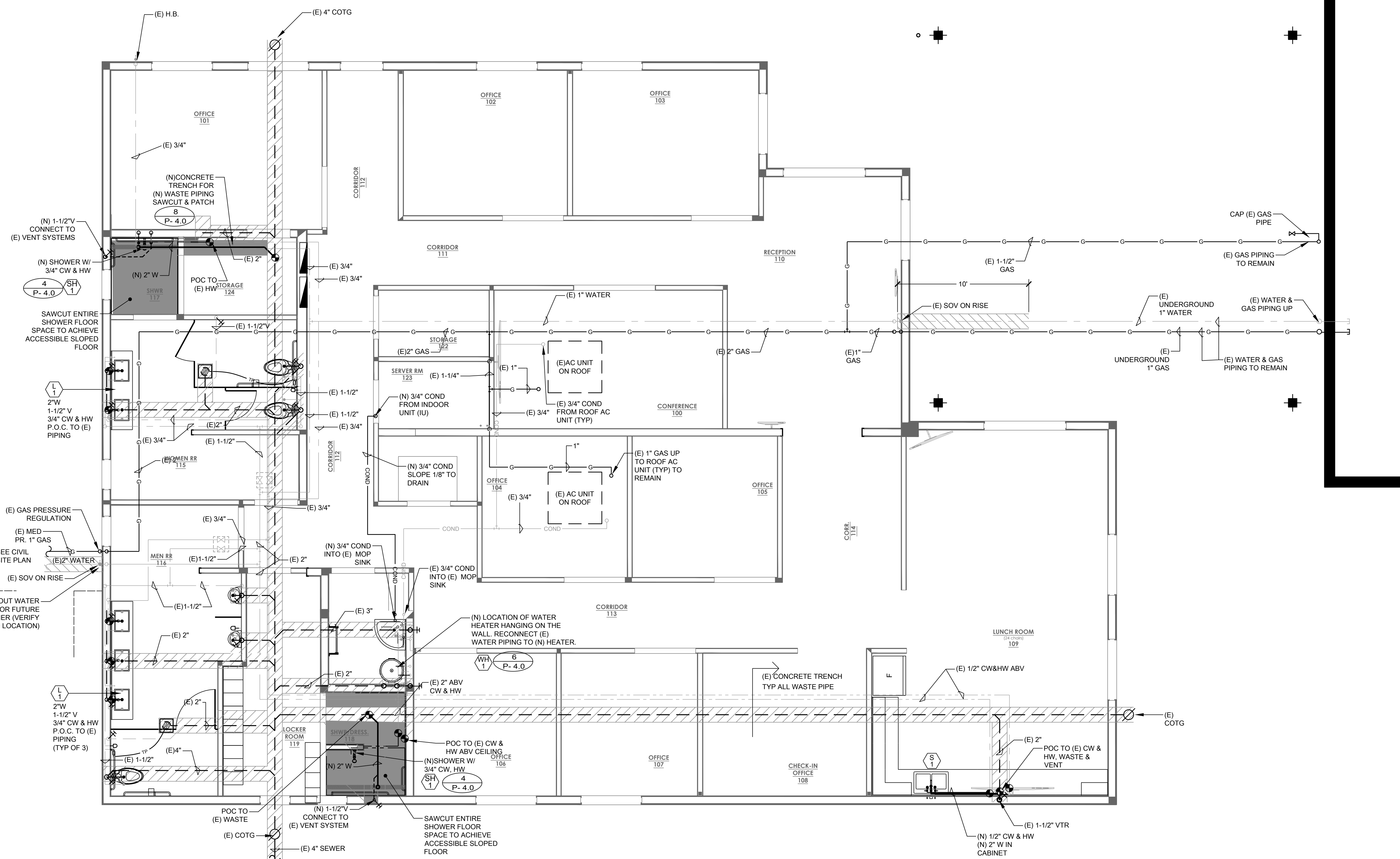
**LINE LEGEND**

---	(E) COLD WATER
---	(E) HOT WATER
---	(E) WASTE
---	(E) VENT
---	(E) GAS
---	(E) CONDENSATE
---	(N) CONDENSATE
---	(N) HOT WATER
---	(N) WASTE
---	(N) VENT

**SYMBOL LEGEND**

⊠	FLOOR CLEAN-OUT
⊠	WALL CLEAN-OUT
⊠	SHUT-OFF VALVE
⊠	TEE
⊠	P.O.C. POINT OF CONNECTION
⊠	EQUIPMENT TAG
⊠	SEE PLUMB. SCHEDULE
⊠	(E) CONCRETE TRENCH
⊠	(N) CONCRETE TRENCH

ISSUED FOR CONSTRUCTION

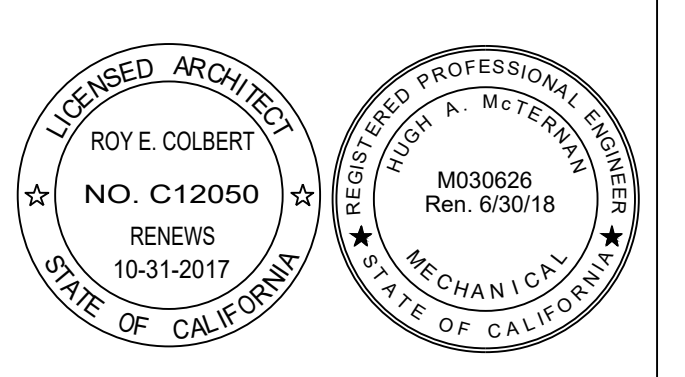


**1 PLUMBING FLOOR PLAN - BUILDING C**  
 SCALE: 1/4"=1'

REVISIONS / DESCRIPTION	DATE	BY
△		
△		
△		

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
 ALL RIGHTS RESERVED  
 THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS RESULTING FROM THAT DATA BEING INCORPORATED INTO THIS DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS, AND THE INCORPORATED IDEAS AND DESIGN, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
 ARCHITECTURE  
 PLANNING  
 DESIGN  
 1997 E. MAIN STREET  
 VENTURA, CA 93001  
 805 / 650 9590 PH  
 805 / 650 9589 FX  
 roelb@sbcglobal.net  
 CALIFORNIA C12050  
 N.C.A.R.B.



This project has been designed by me, or under my direct supervision.

**VENTURA COUNTY COMMUNITY COLLEGE DISTRICT**  
 VENTURA COLLEGE  
 4667 Telegraph Road  
 Ventura, CA 93003

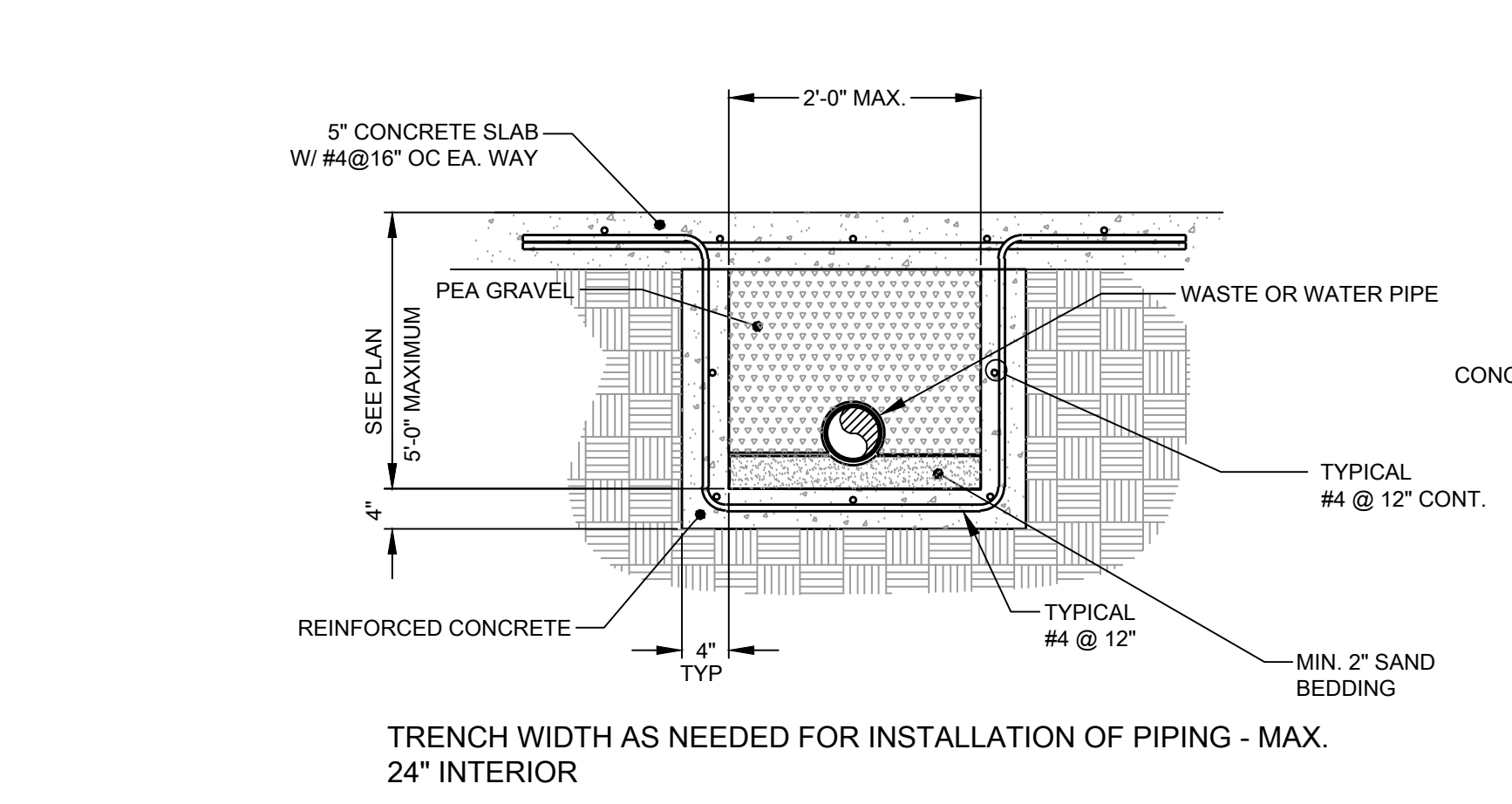
**DEPARTMENT OF MAINTENANCE & OPERATIONS**  
 71 Day Road  
 Ventura, CA 93003

**PROJECT DIRECTORY**  
**ELECTRICAL ENGINEERING:**  
 Lucci & Associates  
 3251 Carle Malpaso #511  
 Camarillo, CA 93012  
 Ken Lucci  
 (805) 389-6520 x230 Office  
**MECHANICAL ENGINEER:**  
 AE GROUP MECHANICAL ENGINEERS, INC.  
 Hugh McFerman  
 838 East Front Street  
 Ventura, CA 93001  
 (805) 653-1722  
**FIRE PROTECTION ENGINEER:**  
 Jack Collings, F.P.E.  
 Collings & Associates LLC  
 260 Mobile Court, Suite 241  
 Ventura, CA 93003  
 (805) 658-0003  
 jcollings@collingsandassociates.com

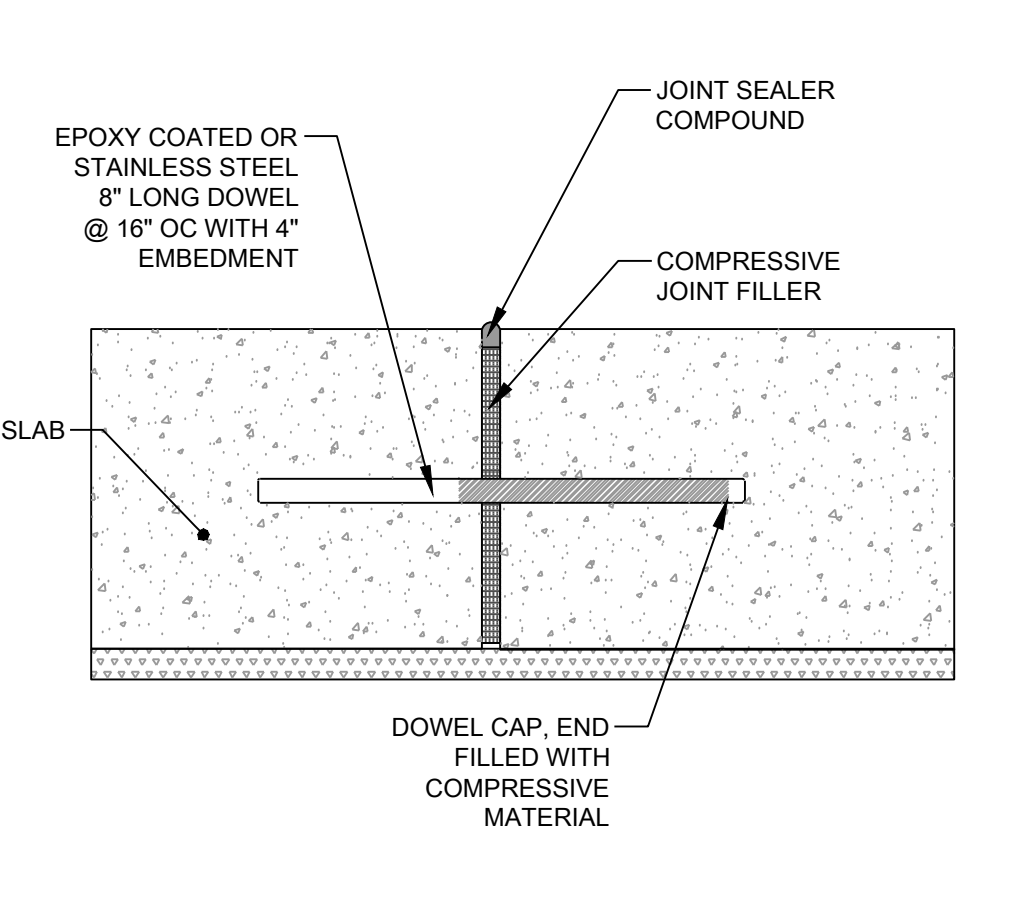
**AE Group Mechanical Engineers, Inc.**  
 838 East Front Street  
 Ventura, California 93001  
 (805) 653-1722 FAX: (805) 653-7260  
 hugh@aeagroupme.com

**PLUMBING DETAILS**

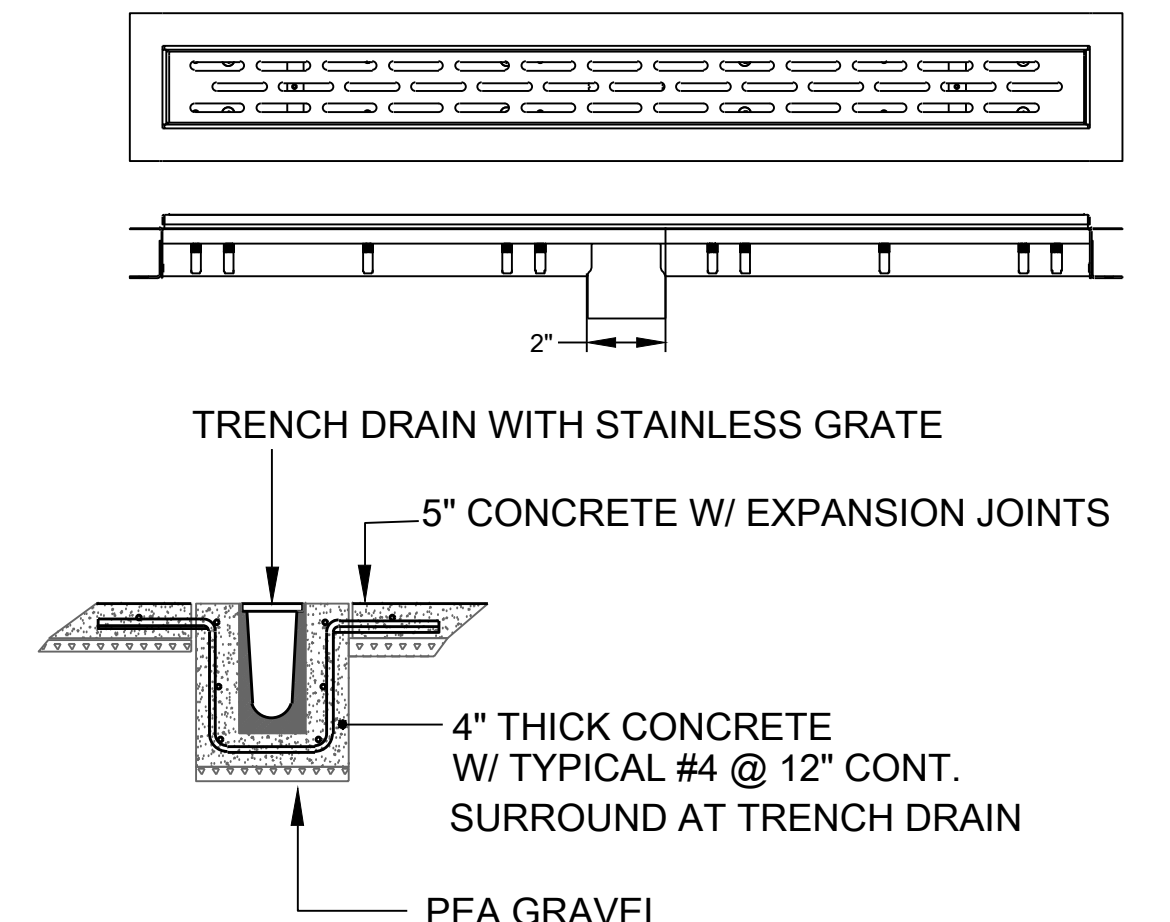
SHEET NAME:  
 DATE: **JULY 6, 2017**  
 SCALE: **AS SHOWN**  
 11 - 003  
 PROJECT: **P-4.0**  
 SHEET NUMBER: **P-4.0** OF SHEETS



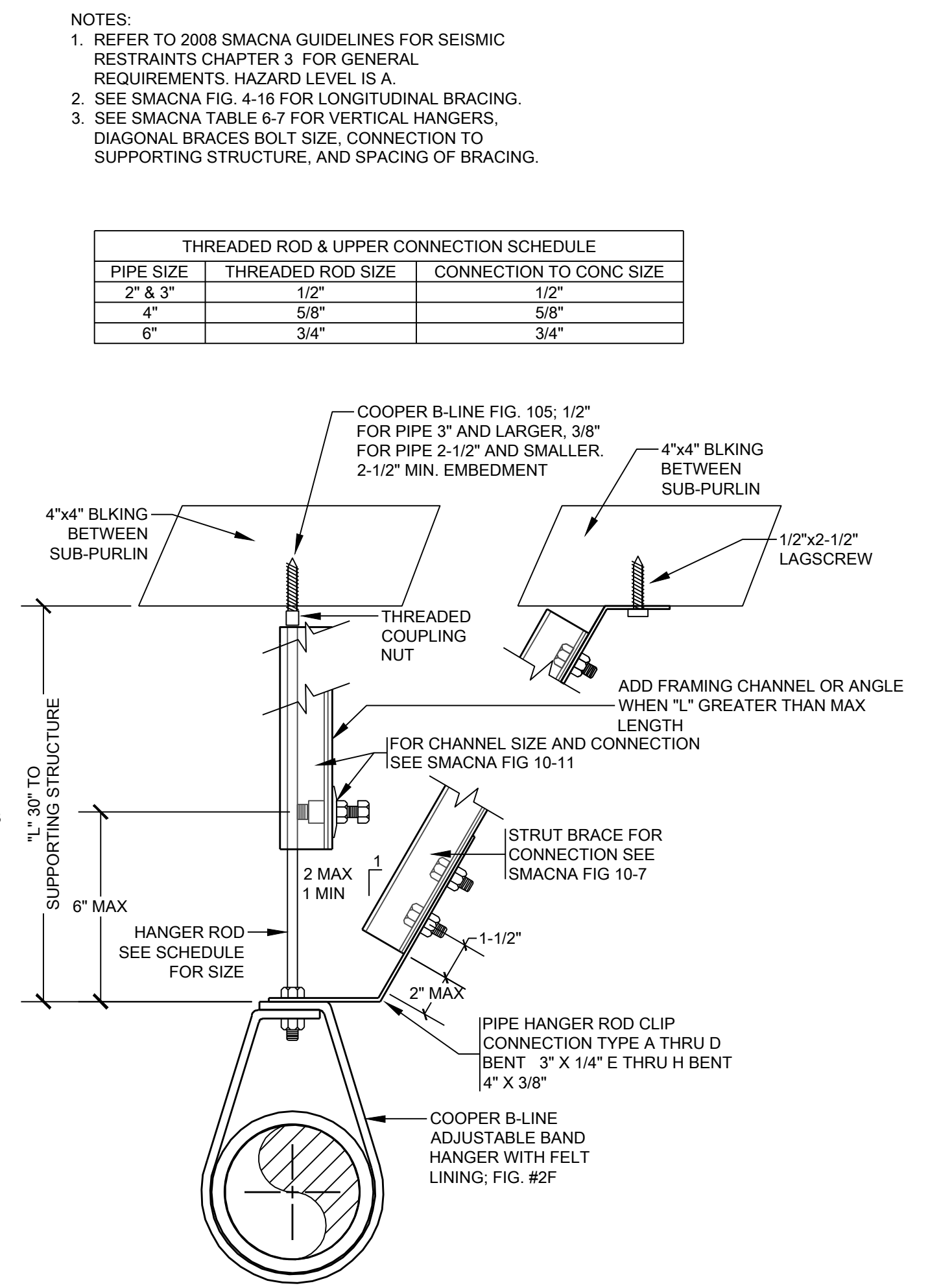
**1 PIPE TRENCH DETAIL (TYP)**  
 SCALE: NTS



**2 TYPICAL DOWEL DETAIL (TYP)**  
 SCALE: NTS



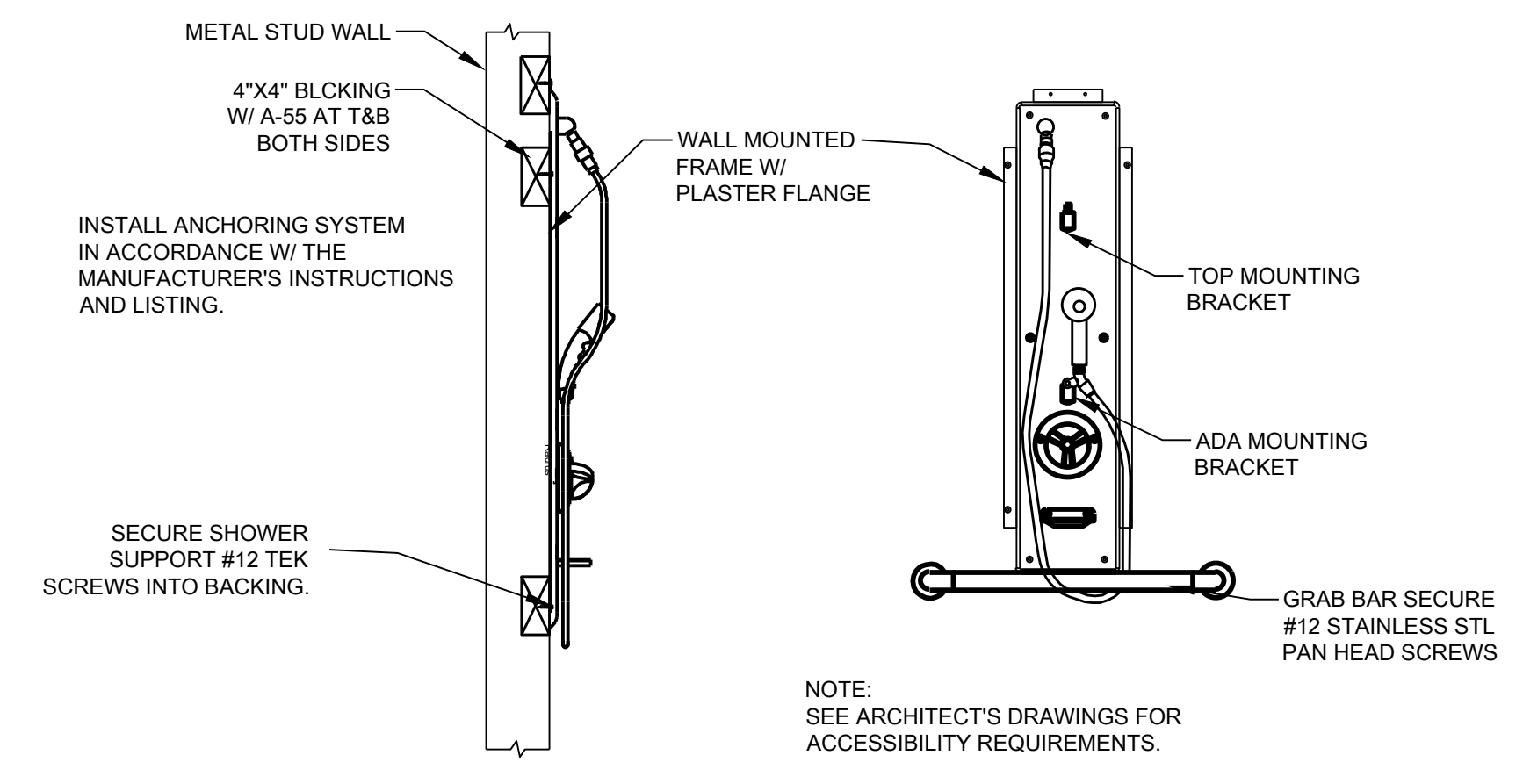
**3 TRENCH DRAIN DETAIL (TYP)**  
 SCALE: NTS



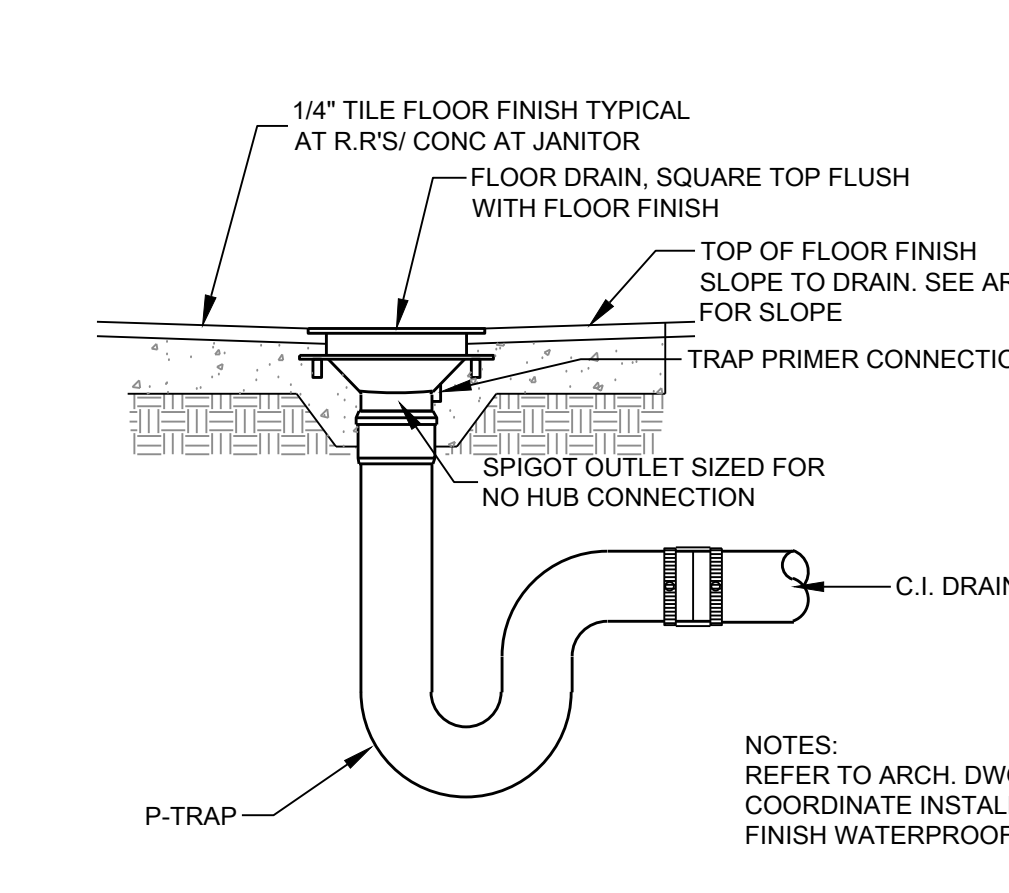
**7 PIPE SUPPORT DETAIL**  
 SCALE: NTS

NOTES:  
 1. REFER TO 2008 SMACNA GUIDELINES FOR SEISMIC RESTRAINTS CHAPTER 3 FOR GENERAL REQUIREMENTS. HAZARD LEVEL IS A.  
 2. SEE SMACNA FIG. 4-16 FOR LONGITUDINAL BRACING.  
 3. SEE SMACNA TABLE 6-7 FOR VERTICAL HANGERS, DIAGONAL BRACES BOLT SIZE, CONNECTION TO SUPPORTING STRUCTURE, AND SPACING OF BRACING.

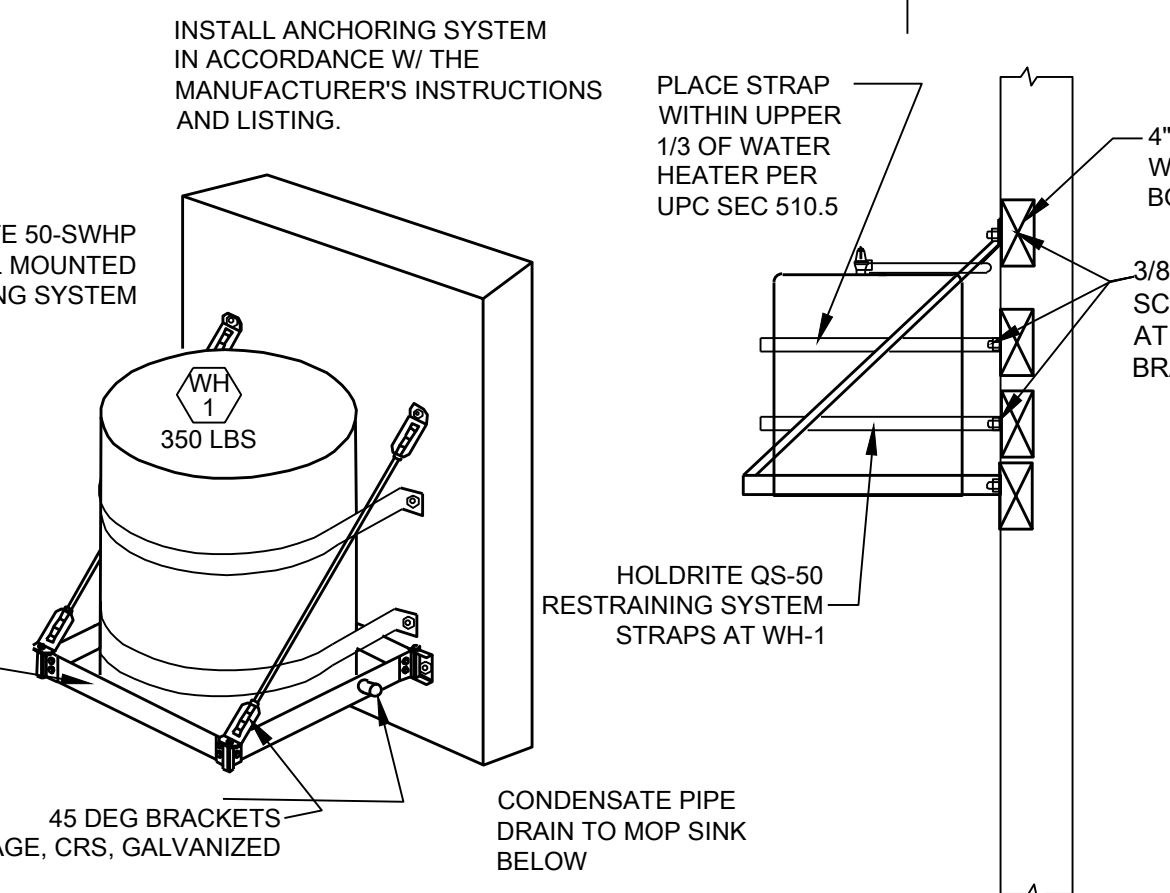
PIPE SIZE	THREADED ROD SIZE	CONNECTION TO CONC SIZE
2" & 3"	1/2"	1/2"
4"	5/8"	5/8"
6"	3/4"	3/4"



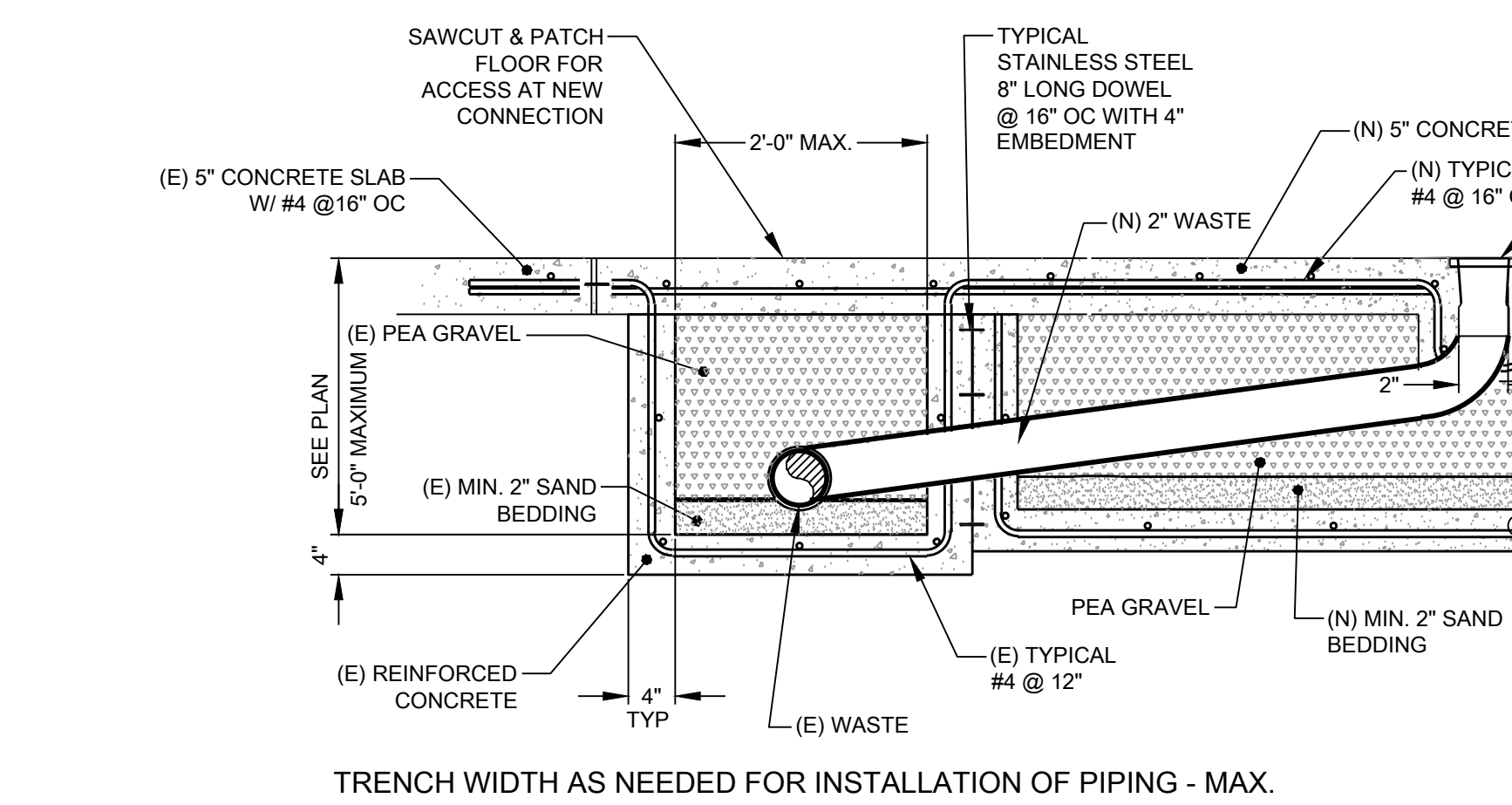
**4 ADA SHOWER DETAIL**  
 SCALE: NTS



**5 RESTROOM FLOOR DRAIN DETAIL**  
 SCALE: NTS

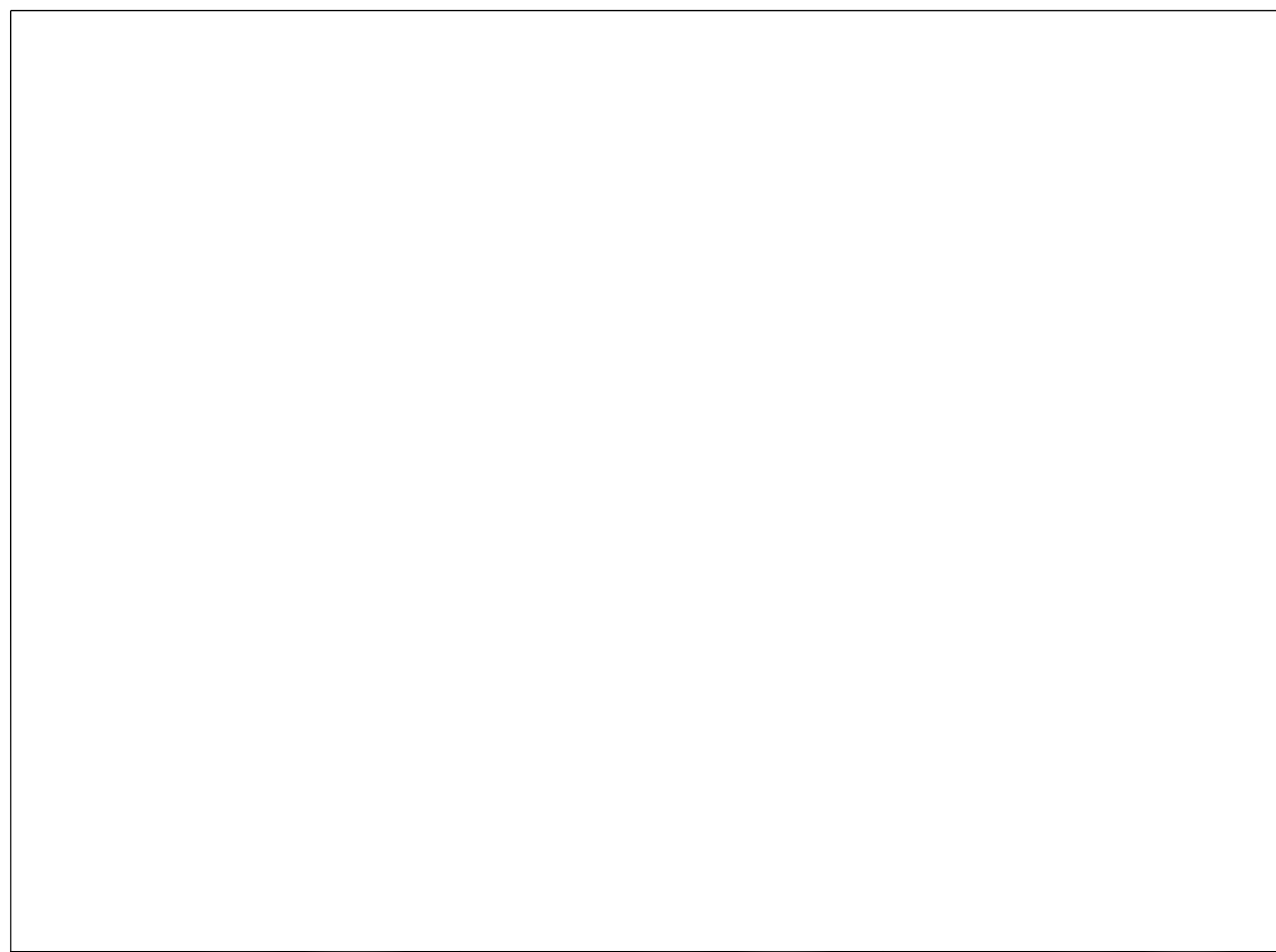


**6 WATER HEATER SUPPORT DETAIL**  
 SCALE: NTS

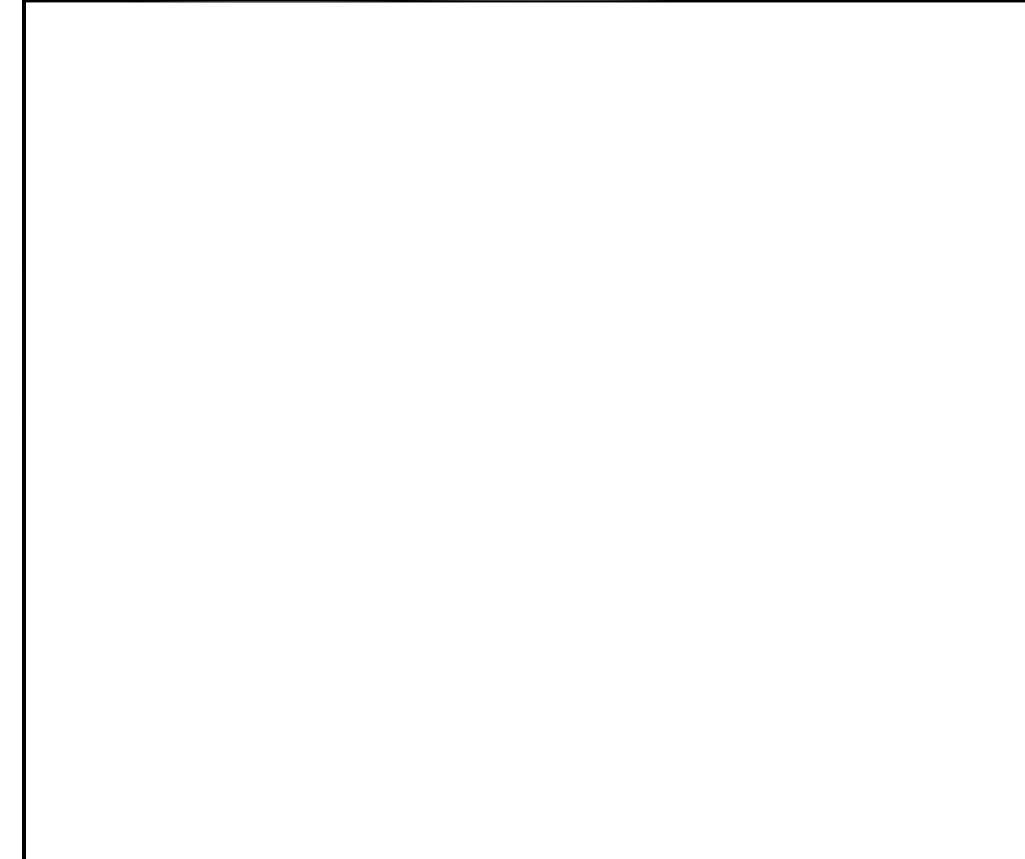


**8 NEW PIPE TRENCH CONNECTION DETAIL**  
 SCALE: NTS

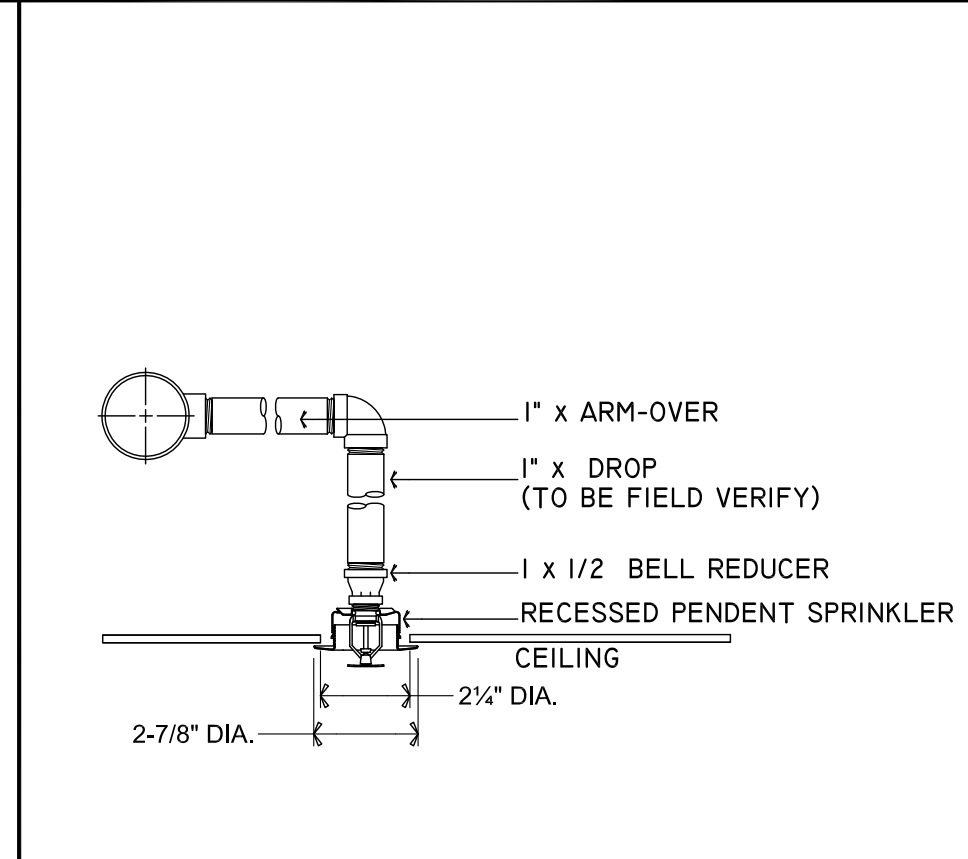
ISSUED FOR CONSTRUCTION



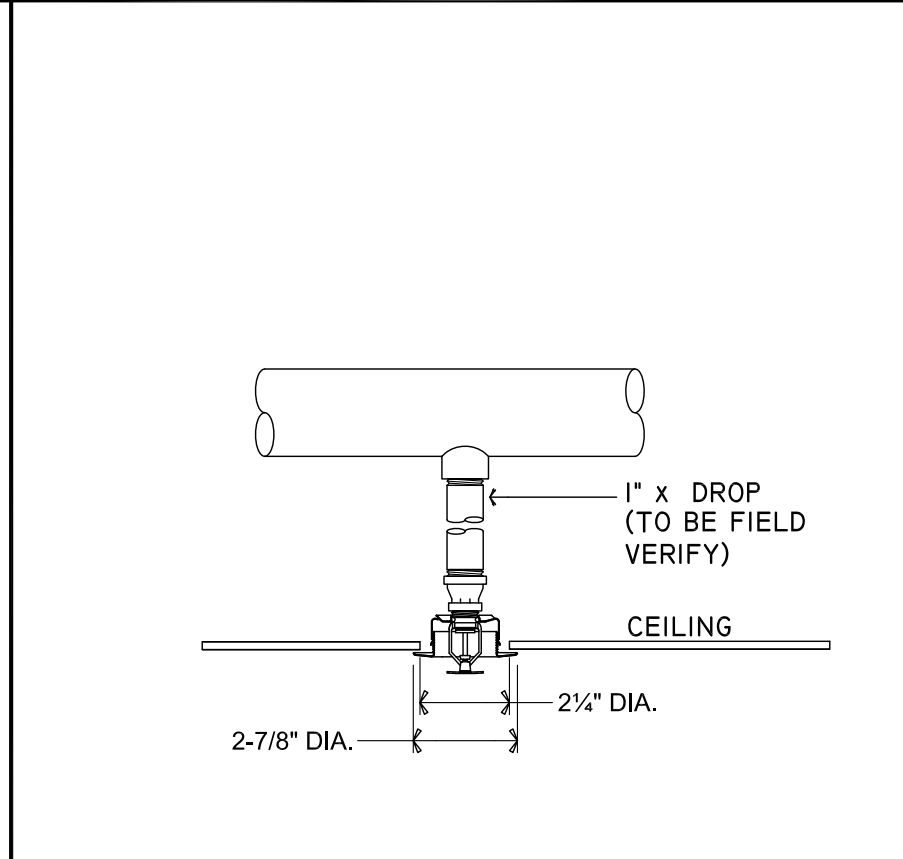
**FIRE SPRINKLER PIPING PLAN**  
SCALE: 1/8" = 1'-0"



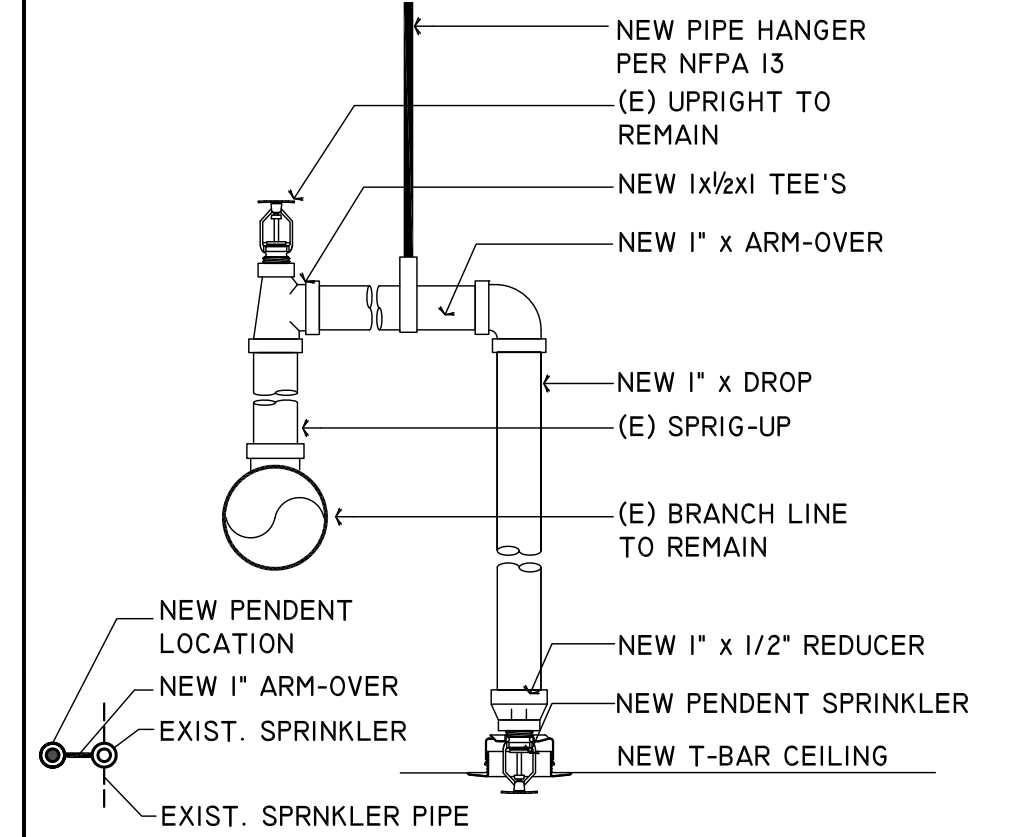
6 TYP. DROPS FROM EXIST.



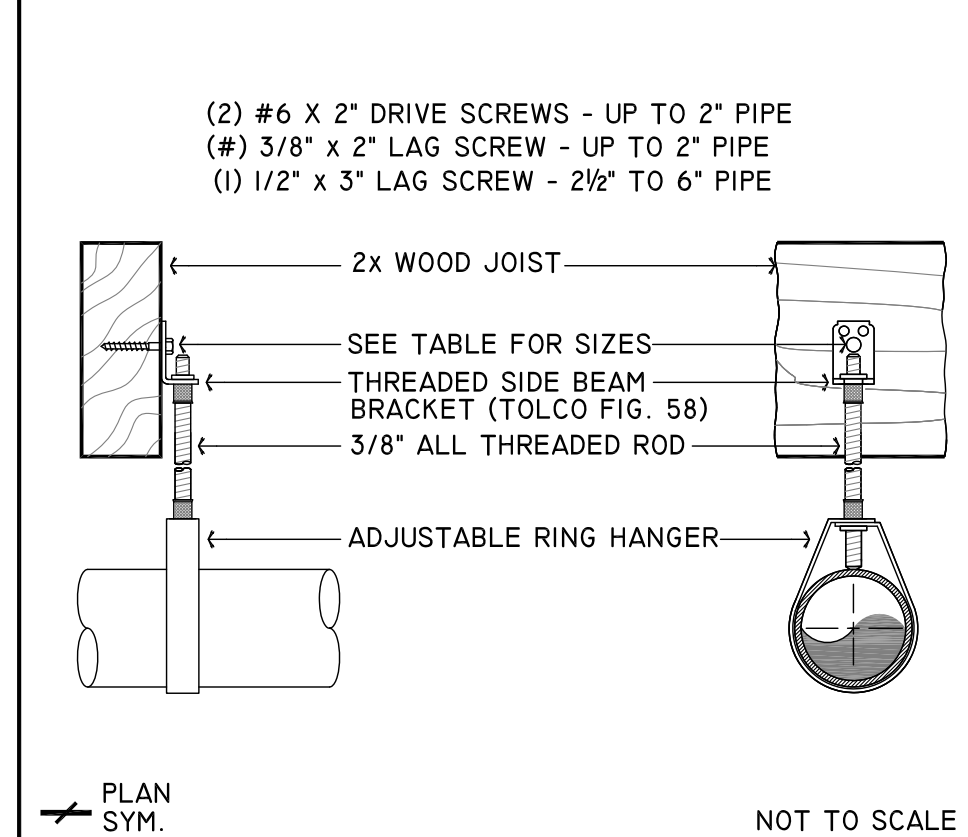
5 TYPICAL ARM-OVER



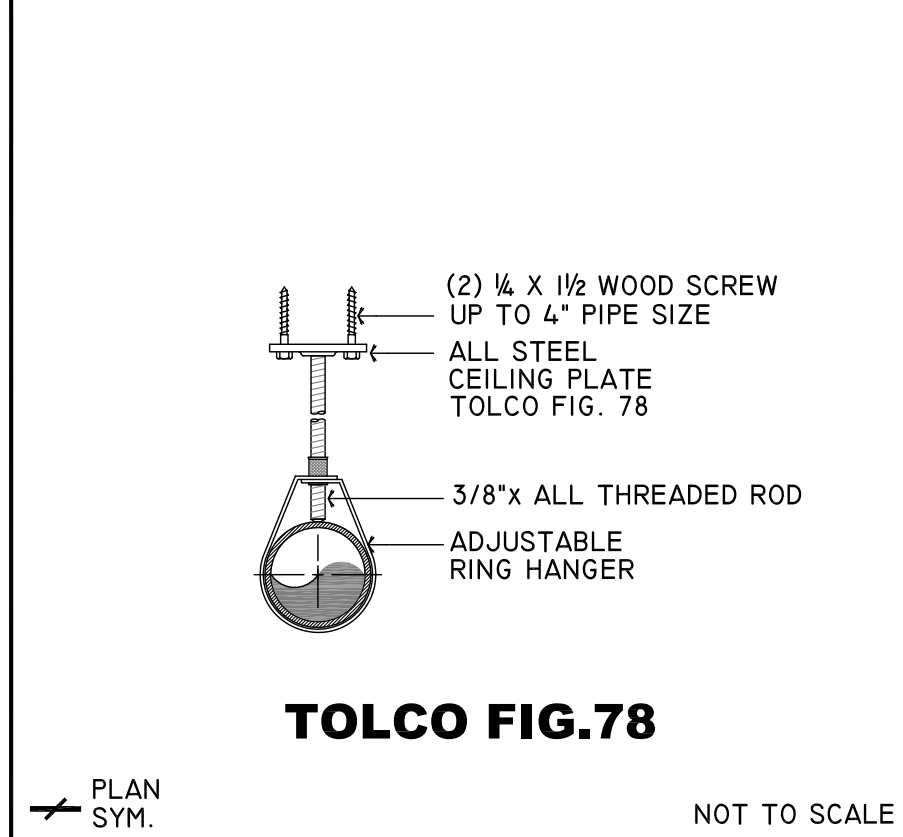
4 TYPICAL PENDENT



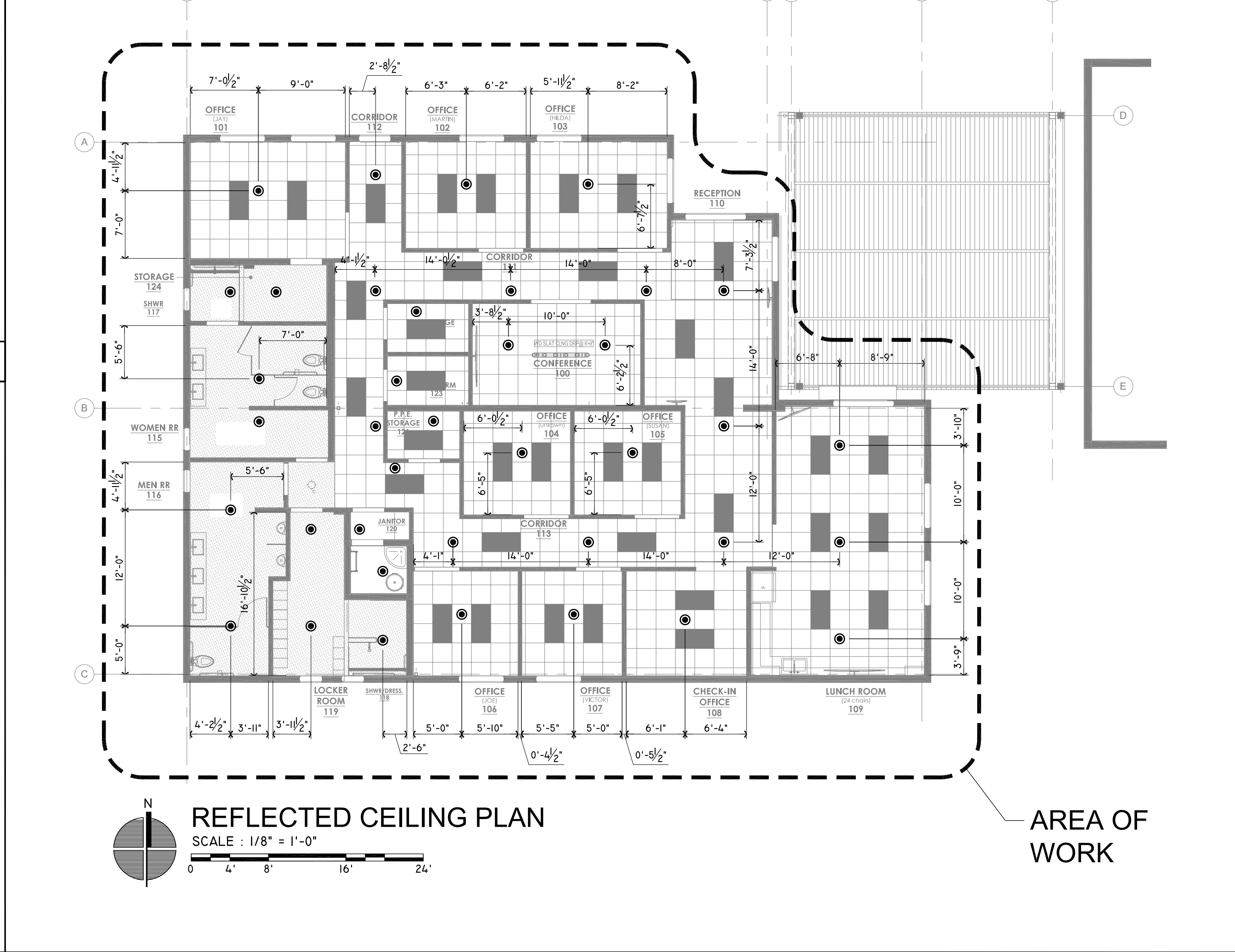
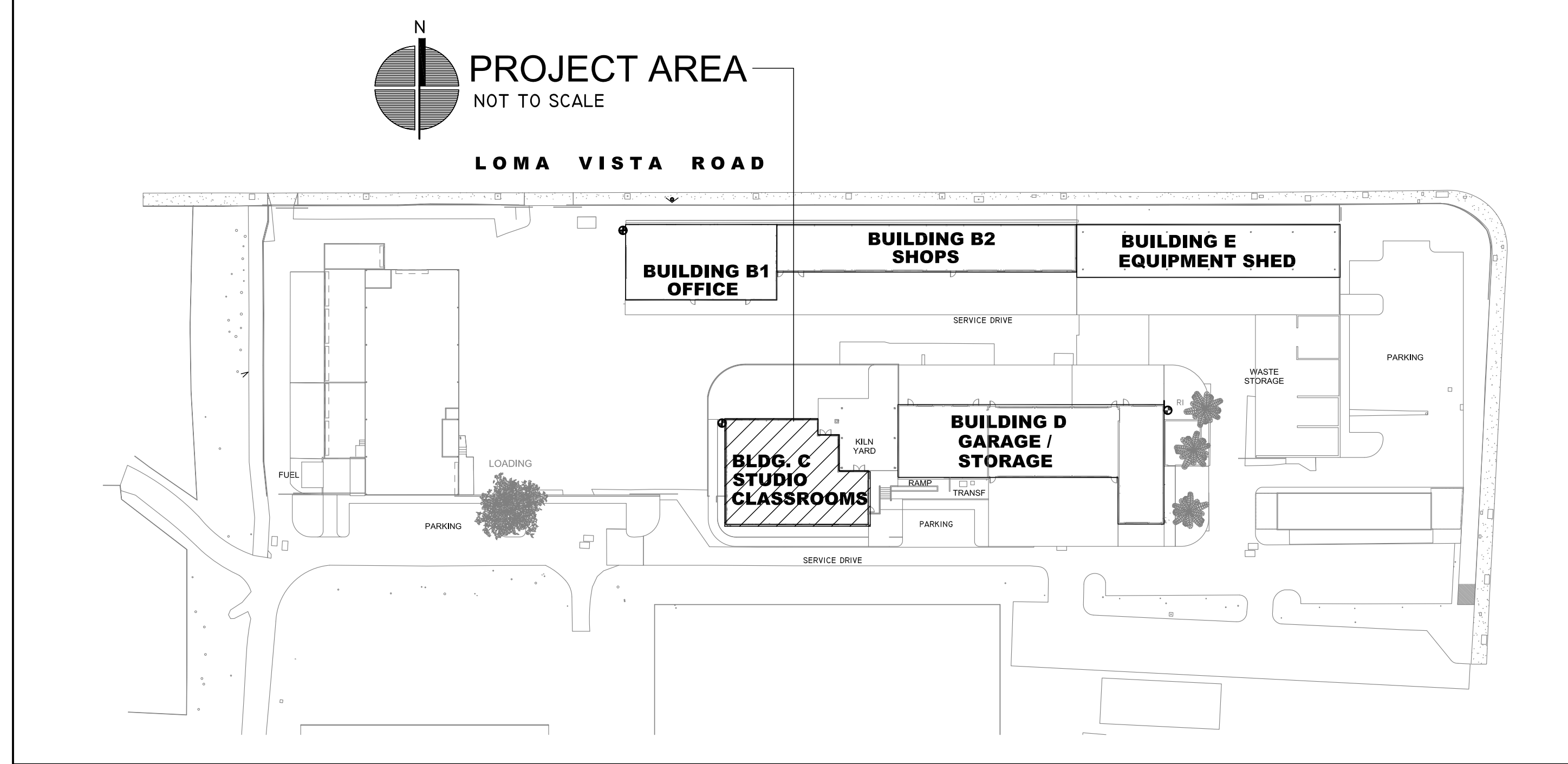
3 TYP. DROPS FROM EXIST.



2 SIDE BEAM BRACKET



1 STEEL CEILING PLATE



**REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"

**FIRE SPRINKLER NOTES:**

- THIS FIRE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED PER THE REQUIREMENT OF NFPA 13, 2016 EDITION.
- IT IS THE RESPONSIBILITY OF THE ON-SITE SUPERVISOR TO MAINTAIN THE INTEGRITY OF THE SPRINKLER SYSTEM.
- THE SPRINKLER CONTRACTOR WILL PROVIDE THE OWNER WITH THE NECESSARY INSTRUCTION MANUALS FOR THE UPKEEP OF THE SYSTEM.
- ONLY NEW SPRINKLERS SHALL BE EMPLOYED IN THE INSTALLATION OF THE SPRINKLER SYSTEM.
- THE SYSTEM SHALL ONLY EMPLOY THE USE OF U.L. LISTED MATERIALS AND DEVICES.
- A SET OF APPROVED PLANS SHALL BE MAINTAINED AT ALL TIMES ON THE JOB SITE.
- AN APPOINTMENT SHALL BE MADE A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE WITH THE APPROPRIATE FIRE PREVENTION OFFICE FOR ALL INSPECTIONS AND TEST.
- ANY PORTION OF THIS SPRINKLER SYSTEM WHICH IS EXPOSED TO FREEZING SHALL BE ADEQUATELY PROTECTED AGAINST THIS EXPOSURE.
- ALL LOW POINTS IN THE SYSTEM TO BE PROVIDED WITH AUXILIARY DRAIN.
- FERROUS PIPING - WELDED OR SEAMLESS STEEL, ANSI/ASTM A-135 WITH WELDING PERFORMED BY A CERTIFIED WELDER.
- PIPES 2 INCH OR SMALLER TO BE SCHEDULE 40 STEEL PIPE WITH THREADED FITTINGS.
- PIPES 2 1/2 TO 8 INCH TO BE SCHEDULE #10 STEEL PIPE WITH GRVD ENDS.
- ALL THREADED FITTINGS TO BE CLASS 125 C.I. AND ALL GROOVED FITTINGS AND COUPLING TO BE VICTALIC OR EQUAL.
- ALL PIPE DIMENSIONS ARE CENTER TO CENTER.
- SPRINKLER HEADS AND PIPING LOCATIONS MAY VARY FROM ROOM TO ROOM DUE TO FIELD CONDITIONS.
- ROUGH AND FINAL INSPECTION ARE REQUIRED ON ALL SYSTEMS.

**SCOPE OF WORK:**

- INSTALL NEW DROP PENDENT SPRINKLERS TO ACCOMMODATE NEW CEILING PLAN. NEW PENDENTS TO BE PIPED FROM EXISTING SPRIG-UP UPRIGHT OR MECH. TEE'S.
- NEW T.I. RENOVATION IS A LIGHT HAZARD OCCUPANCY. HYDRAULIC CALCULATIONS IS NOT REQUIRED, BASED ON THE OVERHEAD SYSTEM IS DESIGNED FOR ORDINARY HAZARD 2.
- EXISTING UPRIGHT SPRINKLERS ABOVE CEILING THAT PROTECT THE ATTIC TO REMAIN. NO MODIFICATION REQUIRED.
- SYSTEM DESIGN AND INSTALLATION WILL BE ACCORDANCE TO THE PROVISION OF THE NFPA 13, 2016 EDITION AND THE REQUIREMENT OF CITY OF VENTURA FIRE DEPARTMENT.

**HANGER NOTES**

- 3/8" A.T.R. ROD SHALL BE USED ON PIPES 1 TO 4 INCHES. 1/2" ATR FOR 5, 6 & 8 INCHES PIPE, AND 5/8" ATR FOR 10 & 12 INCHES PIPE.
- THE MAX. UNSUPPORTED LENGTH FROM THE END OF A LINE TO HANGER SHALL BE 36" FOR 1", 48" FOR 1 1/2", 60" FOR 2" PIPE AND ABOVE.
- THE MAXIMUM HANGER SPACING SHALL BE 12 FT. FOR 1" TO 1 1/2" PIPE, 15 FT. FOR 2" PIPE AND ABOVE EXCEPT THREADED LIGHT WALL. FOR THREADED LIGHT WALL MAXIMUM SPACING IS 12 FT. FOR PIPE UP TO 3 IN. (UNLESS NOTED OTHERWISE).
- ALL HANGERS SHALL BE IN ACCORDANCE WITH NFPA-13, 2016 EDITION, TABLE 9.2.2.1(A). ALL ARM-OVER MORE THAN 2'-0" SHALL HAVE HANGER. IF STATIC PRESSURE EXCEEDS 100 PSI, HANGER IS REQUIRED ON ARM-OVER MORE THAN 1'-0".

**LEGEND & SYMBOLS**

⊙	EXISTING SPRINKLER RISER	⊙	KEY VALVE
⊙	EXISTING PENDENT	⊙	OS&Y VALVE
⊙	NEW SPRINKLER PENDENT	⊙	YARD FDC
⊙	PIPE UP OR DOWN	⊙	STD WALL FDC
—	NEW BRANCH LINE/ARMOVER	—	FLUSH WALL FDC
—	EXISTING BRANCH LINE	—	GATE VALVE
—	EXISTING SPRINKLER PIPE	—	POST INDICATOR VALVE
—	HANGER LOCATION	—	CHECK VALVE
⊙	ALARM BELL		
⊙	BUTTERFLY VALVE		
⊙	FIRE HYDRANT		
⊙	HYDRAULIC NODE		

**SPRINKLER HEAD INFO.:**

SYM.	MANUFACT.	SIN #	NPT	K	TEMP	DESCRIPTION	QTY.	
⊙	RELIABLE	RA14/4	1/2	5.6	155°	OR RECESSED SPRINKLER PENDENT	38	
							TOTAL:	38

**NOTE TO CONTRACTOR:**

- ALL PIPE DIMENSIONS ARE CENTER TO CENTER.
- CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL POSSIBLY INTERFERING PIPING, STRUCTURAL STEEL AND MISCELLANEOUS ITEMS BEFORE INSTALLATION OF SPRINKLER SYSTEMS TO AVOID INTERFERENCE.
- PROVIDE EXTENDED ESCUTCHEON WHEN SURFACE MOUNTED FIXTURES PLACE ON THE CEILING CREATING AN OBSTRUCTION TO FIRE SPRINKLERS COVERAGE. SHALL COMPLY WITH NFPA 13 REQUIREMENTS.

**Collings & Associates**  
Fire Protection Engineering  
260 Maple Court, Suite 241, Ventura, CA 93003  
Phone: (805) 658-0003 Fax: (805) 658-0044  
www.collingsandassociates.com

**FP-1.0**

REVISIONS / DESCRIPTION	DATE	BY

**COPYRIGHT ROY E COLBERT ARCHITECT 2017**  
ALL RIGHTS RESERVED  
THIS PROJECT RECORD DOCUMENT, DRAWINGS, AND/OR SPECIFICATIONS, HAVE BEEN PREPARED ON THE BASIS OF DATA COMPILED AND FURNISHED BY OTHERS. ROY E. COLBERT ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS RESULTING FROM THAT DATA BEING INCORPORATED INTO THE DOCUMENT. THESE DRAWINGS AND SPECIFICATIONS, AND THE INCORPORATED IDEAS AND DESIGNS, CONSTITUTE AN INSTRUMENT OF PROFESSIONAL SERVICE AND ARE THE SOLE PROPERTY OF ROY E. COLBERT ARCHITECT. THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE DIRECT WRITTEN AUTHORIZATION OF ROY E. COLBERT ARCHITECT.

**ROY E COLBERT**  
ARCHITECTURE  
PLANNING  
DESIGN  
1997 E. MAIN STREET  
VENTURA, CA 93001  
805 / 850 . 9590 PH  
805 / 650 . 9589 FX  
rcollb@ebcglobal.net  
CALIFORNIA C12050  
N.C.A.R.B.

**VENTURA COUNTY COMMUNITY COLLEGE DISTRICT**  
VENTURA COLLEGE  
4667 Telegraph Road  
Ventura, CA 93003

**DEPARTMENT OF MAINTENANCE & OPERATIONS**  
71 Day Road  
Ventura, CA 93003

**PROJECT DIRECTORY**  
**ELECTRICAL ENGINEER:**  
Lucchi & Associates  
3251 Corte Malpaso #511  
Carmelita, CA 93012  
Ken Lucchi  
(805) 389-4520 x230 Office  
**HVAC MECHANICAL / PLMB ENGINEER:**  
A/E GROUP  
Hugh MacFarlan  
838 East Front Street  
Ventura, CA 93001  
Tim Mason  
Phone 805.653.1722  
**FIRE PROTECTION ENGINEER:**  
Jock Collings, F.P.E.  
Collings & Associates LLC  
260 Maple Court, Suite 241  
Ventura, CA 93003  
(805) 658-0003  
jcollings@collingsandassociates.com

**ADMINISTRATION BUILDING C**  
**FIRE SPRINKLER T.I. PLAN**  
SHEET NAME:  
23 JUNE 2017  
DATE:  
AS SHOWN  
SCALE:  
11 - 003  
PROJECT:  
**FP-1.0**  
SHEET NUMBER: 1 OF 1

ISSUED FOR CONSTRUCTION