

APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval. This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the [DSA Forms](#) or [DSA Publications](#) webpages.

1. SUBMITTAL TYPE: (Is this a resubmittal? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Deferred Submittal <input type="checkbox"/>	Addendum Number: <u>2</u>	Revision Number:	CCD Number: _____ Category A <input type="checkbox"/> or B <input type="checkbox"/>
2. PROJECT INFORMATION:			
School District/Owner: <u>Bakersfield City School District</u>		DSA File Number: <u>15 6</u>	
Project Name/School: <u>Dr. Martin Luther King Jr. Elementary School</u>		DSA Application Number <u>03 122605</u>	
3. APPLICANT INFORMATION:			
Date Submitted: <u>01/16/25</u>		Attached Pages? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Number of pages? <u>75</u>	
Firm Name: <u>Integrated Designs by SOMAM, Inc.</u>		Contact Name: <u>Sean Parker</u>	
Work Email: <u>sparker@somam.com</u>		Work Phone: <u>(559) 436-0881</u>	
Firm Address: <u>6011 N. Fresno Street, Suite 130</u>		City: <u>Fresno</u>	State: <u>CA</u> Zip Code: <u>93710</u>
4. REASON FOR SUBMITTAL: (Check applicable boxes)			
<input checked="" type="checkbox"/> For revision or addendum prior to construction.		<input type="checkbox"/> For a project currently under construction.	
<input type="checkbox"/> For a project that has a form DSA 301-N: <i>Notification of Requirement for Certification</i> , DSA 301-P: <i>Posted Notification of Requirement for Certification</i> or a 90-Day Letter issued.			
<input type="checkbox"/> To obtain DSA approval of an existing uncertified building or buildings.			
<input type="checkbox"/> For Category B CCD this is: <input type="checkbox"/> a voluntary submittal, <input type="checkbox"/> a DSA required submittal (attach DSA notice requiring submission).			
5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:			
Name of the Design Professional In General Responsible Charge: <u>Curtis E. Flynn</u>			
Professional License Number: <u>C28966</u>		Discipline: <u>Architect</u>	
Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.			
Signature: _____ <i>DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE</i>			
6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:			
For addenda, revisions, or CCDs: CHECK THIS BOX <input checked="" type="checkbox"/> to confirm that <i>all</i> post-approval documents have been stamped and signed by the Responsible Design Professional listed on form DSA 1: <i>Application for Approval of Plans and Specifications</i> for this project. (For <i>Deferred Submittals</i> , refer to IR A-18: <i>Use of Construction Documents Prepared by Other Professionals</i> , and IR A-19: <i>Design Professional's Signature and Seal (Stamp) on Construction Documents</i> , when applicable, for signature and seal requirements.)			
Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed): <u>Final Coordination Items, Please see Project Manual</u>			
List of DSA-approved drawings affected by this post-approval document: <u>C1.0, C1.1, L1.01, L1.02, A0.01, A1.02, A1.03, A2.10, A4.10, A5.10, A6.10, A7.02, A7.03, S2.01, S3.01, S4.01, S6.01, S7.02, S7.03, M0.01, M0.11, M2.11, M3.11, E-1.0, E-4.0, E-5.0</u>			

DSA USE ONLY		Returned	DSA STAMP
SSS <u>KK</u> Date <u>01/27/2025</u> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required Comments: _____		Date:	<div style="border: 2px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: auto;"> <p style="margin: 0;">APPROVED</p> <p style="margin: 0;">DIV. OF THE STATE ARCHITECT</p> <p style="margin: 0;">APP: 03-122605 INC: 0</p> <p style="margin: 0;">REVIEWED FOR</p> <p style="margin: 0;">SS <input checked="" type="checkbox"/> FLS <input checked="" type="checkbox"/> ACS <input checked="" type="checkbox"/></p> <p style="margin: 0;">DATE: <u>01/27/2025</u></p> </div>
FLS <u>EJ</u> Date <u>12.30.24</u> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required Comments: _____		By:	
ACS <u>SC</u> Date <u>01/27/2025</u> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required Comments: _____			

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 03-122605 INC: 0
REVIEWED FOR
SS FLS ACS
DATE: 01/27/2025

ADDENDUM NO. 2
PROJECT MANUAL
MLK ELEMENTARY SCHOOL
WELLNESS CENTER
BAKERSFIELD CITY SCHOOL DISTRICT

Project No.: 5527
DSA File No. 15-6
DSA App No. 03-122605
December 19, 2024



This Addendum and Addendum drawings form a part of the Contract Documents. It modifies the original Project Manual and Drawings. Bidders are required to acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to acknowledge receipt of each addendum may subject bidder to disqualification.

Project No. 5527

GENERAL

- 2-01 **BID FORM:** Replace Bid Form and Proposal document 004113 in its entirety. See Exhibit 2-01.
- 2-02 The contractor shall install owner furnished HVAC equipment per Exhibit 2-02.
- 2-03 District will provide Pelican Thermostat. Contractor to install. See Exhibit 2-03.
- 2-04 District will cut and cap existing irrigation lines as necessary for construction of new building.

PROJECT MANUAL

- 2-05 **PROJECT MANUAL, SPECIFICATION SECTION 000010 – TABLE OF CONTENTS:** Replace specification section 000010 in its entirety. See Exhibit 2-05
- 2-06 **PROJECT MANUAL, SPECIFICATION SECTION 102800 – TOILET ACCESSORIES:** Replace Part 2, section 1, sentence I to the following:
 - I. Specimen Pass-Through Cabinet PTC:
- 2-07 **PROJECT MANUAL, SPECIFICATION SECTION 271000 – STRUCTURED CABLING SYSTEM:** Add specification section 271000 in its entirety. See Exhibit 2-07.

DRAWINGS

CIVIL

- 2-08 **DRAWING, SHEET C1.1 – SEWER AND WATER PLAN:** Note the following changes (See C1.1 addendum 2 drawing):
 - 1. Fire water line location has changed. See water note 6.
 - 2. Storm drain lines were added at front columns. See storm drain note 2.
 - 3. Add detail A/C1.1 post indicator valve assembly.
 - 4. Add water construction notes 9, 10 and 11.

ARCHITECTURAL

- 2-09 **DRAWING, SHEET A0.01 – SCHEDULES:** Note the following changes (See A0.01 Addendum 2 drawing):
 - 1. Add plywood over GYP board in room 122. On the North, South and West walls.
 - 2. Add plywood to the abbreviations.
- 2-10 **DRAWING, SHEET A1.02 – ENLARGED SITE PLAN:** Note the following changes (See A1.02 Addendum 2 drawing)

Project No. 5527

1. Locations for the fire water line has been modified.
2. Storm drain lines have been added on the West side of the building.
3. Keynote 27 has been added.
4. Planter symbol has been added to the legend.
5. Turf areas west of the new building have been replaced with planters. See keynote 27.

2-11 DRAWING, SHEET A2.10 – FLOOR PLAN: Note the following changes (See addendum 2 drawing):

1. Dimensions for pilasters and columns have been changed.
2. Electrical and low voltage panels in room 122 have been changed. See keynotes 30, 31, 32, 33 and 34 and Interior Elevations 3/A5.11
3. Delete cabinets from room 116.
4. Add cabinets to room 105. See keynote 1.
5. Add keynote 28 to room 103.
6. Add walk off carpet tiles to room 101. See keynote 10.
7. Add security keypad next to door 101B. See keynote 35.
8. Cabinets in room 112 have moved.
9. TVs have been deleted from room 121.
10. Window in room 117 has changed.
11. TVs have been added to rooms 101 and 105.

2-12 DRAWINGS, SHEET A3.10 – EXTERIOR ELEVATIONS: Note the following changes (See A3.10 addendum 2 drawing):

1. Window in elevation 4/A3.10 has changed.

2-13 DRAWING, SHEET 3.11 – SECTIONS: Note the following changes (See A3.11 Addendum 2 drawing)

1. Windows in section 4 have changed.

2-14 DRAWING, SHEET A4.10 – ROOF PLAN: Note the following changes (See A4.10 addendum 2 drawings):

1. Revise key note 12.
2. Add exhaust fan vent. See keynote 3.
3. Add roof walk mats. See keynote 9
4. Add hose bibb. See keynote 13.
5. Add roof vent penetrations. See keynote 16.
6. Add condensate pipe. See keynote 15.
7. Add details 1 and 2/A4.10.

2-15 DRAWING, SHEET A5.10 – INTERIOR ELEVATIONS: Note the following changes (See A5.10 addendum 2 drawings):

1. Elevation “B” lobby 101:

Project No. 5527

- i. Add TV. See keynote 34.
2. Elevation “C” lobby 101:
 - i. Add TV. See keynote 34.
3. Elevation “C” unisex toilet 104:
 - i. Add pass through cabinet. See keynote 33.
4. Exam rooms 106, 108, 112 and 107, 109, 110:
 - i. Remove base cabinets. Provide countertop with drawers.
5. Medical assistant office 105:
 - i. Add elevation “B” for added cabinets.
 - ii. Modify elevation “A” to add TV.
6. Delete elevations office room 116.

2-16 DRAWING, SHEET A5.11 – INTERIOR ELEVATIONS: Note the following changes (see A5.11 addendum 2 drawing):

1. Delete TVs from training room 121.
2. Electrical server room 122.
 - i. Add elevations B and C
 - ii. Modify elevation A.
3. Elevation “B” therapy room 124
 - i. Add TV. See keynote 7.

2-17 DRAWING, SHEET A6.10 – REFLECTED CEILING PLAN: Note the following changes (See A6.10 addendum 2 drawing):

1. Add ceiling access door to room 111.

2-18 DRAWING, SHEET 7.02 – EXTERIOR DETAILS: Note the following changes (See A7.02 addendum 2 drawing):

1. Replace roof drain details 2/A7.02 and 3/A7.02.
2. Add pipe penetration detail 6/A7.02

2-19 DRAWING, SHEET A7.03 – EXTERIOR DETAILS: Note the following changes (See A7.03 addendum 2 drawing):

1. Details 9, 10, 11 and 12 have new dimensions and show correct locations of the steel columns.

STRUCTURAL

2-20 DRAWING, SHEET S2.01 – FOUNDATION PLAN: Note the following changes (See S2.01 addendum 2 drawing):

1. Dimensions for columns and pilasters have been changed.

2-21 DRAWING, SHEET S3.01 – CEILING FRAMING PLAN: Note the following changes (See S3.01 addendum 2 drawing):

Project No. 5527

1. Add attic access door framing in janitor's room.

2-22 DRAWING, SHEET S4.01 – ROOF FRAMING PLAN: Note the following changes (See S4.01 addendum 2 drawing):

1. Dimensions for columns and pilaster have been changed.
2. Location of mechanical units has changed.

2-23 DRAWING, SHEET S6.01 – FOUNDATION DETAILS: Note the following changes (See S6.01 addendum 2 drawings):

1. Details 6, 7 and 8 the column pocket depth has been changed to 6".
2. Detail 5 concrete ledge has been added for the block veneer.

2-24 DRAWING, SHEET S7.02 – FRAMING DETAILS: Note the following changes (See S7.02 addendum 2 drawing):

1. Detail 2/S7.02 has been added.
2. Detail 1/S7.02 has been modified

2-25 DRAWING, SHEET S7.03 – FRAMING DETAILS: Note the following changes (See detail S7.03 addendum 2 drawings):

1. Detail 2, 3 and 5/S7.03 have been modified.
2. Detail 4/S7.03 has been deleted.

2-26 DRAWING, SHEET S7.04 – FRAMING DETAILS: Note the following changes (See S7.04 on addendum 2 drawings):

1. Delete detail 2/S7.04
2. Add details 5 and 6/S7.04
3. Modify detail 1/S7.04

MECHANICAL

2-27 DRAWING, SHEET M0.01 – GENERAL NOTES-LEGEND: Note the following changes (See M0.01 addendum 2 drawing):

1. Add OFCI "Owner Furnished Contractor Installed" to schedules

2-28 DRAWING, SHEET M0.11 – DETAILS: Note the following changes (See M0.11 addendum 2 drawing):

1. Add detail 8 and 14/M0.11 in their entirety.

2-29 DRAWING, SHEET M2.11 – HVAC PLAN: Note the following changes (See M2.11 Addendum 2 drawing):

1. Change location of wireless repeater in room 122. See keynote 7.

Project No. 5527

2. Exhaust fans have been modified. See keynote 2.
3. Keynotes 1, 2, 4, 5, 6 and 7 have been modified.
4. Legend have been added.

2-30 DRAWING, SHEET M3.11 – PLUMBING PLAN: Note the following changes (See M3.11 addendum 2 drawing):

1. Condensate lines have been modified. See keynote 17.
2. Keynotes 2 and 17 have been modified.
3. Legend has been added.

ELECTRICAL

2-31 DRAWING, SHEET E-1.0 – GENERAL NOTES, SYMBOLS AND DETAILS: Note the following changes (See E1.0 addendum 2 drawing):

1. Data outlet symbol added.

2-32 DRAWING, SHEET E-3.0 – ENLARGED ELCTRICAL SITE PLAN: Note the following changes (See E3.0 addendum 2 drawing):

1. Light fixture schedule has been updated.
2. TVs added to panel schedule “LWC1”.

2-33 DRAWING, SHEET E-4.0 – ELECTRICAL FLOOR PLAN: Note the following changes (See E4.0 addendum 2 drawing):

1. Add electrical notes.
2. Add panels to electrical room and enlarged electrical room plan.
3. Update power and data outlets.
4. Add WAP and PA speakers.
5. Add exterior PA speakers.

2-34 DRAWING, SHEET E-5.0 – LIGHTING AND FIRE ALARM PLANS: Note the following changes (See E5.0 addendum 2 drawing):

1. Update light switch in room 114 and 111.

END ADDENDUM NO. 2

BID FORM AND PROPOSAL

To: Governing Board of the Bakersfield City School District ("District" or "Owner")

From: _____
(Proper Name of Bidder)

The undersigned declares that Bidder has read and understands the Contract Documents, including, without limitation, the Notice to Bidders and the Instructions to Bidders, and agrees and proposes to furnish all necessary labor, materials, and equipment to perform and furnish all work in accordance with the terms and conditions of the Contract Documents, including, without limitation, the Drawings and Specifications of for the following projects known as:

Martin Luther King Jr. Elementary School - Wellness Center / 22243.00-09-WEL / DSA # 03-122605, Parent Center / 22243.00-09-PRC / DSA # 03-122604, T-Kindergarten / 23189.00-09-TK / DSA # 03-123900

("Project" or "Contract") and will accept in full payment for that Work the following grand total lump sum amount, all taxes included:

_____ dollars	\$ _____
WELLNESS CENTER TOTAL	
_____ dollars	\$ _____
PARENT CENTER TOTAL	
_____ dollars	\$ _____
TRANSITIONAL KINDERGARTEN TOTAL	
_____ dollars	\$ _____
BASE BID GRAND TOTAL	

Additive/Deductive Alternates: None

1. The undersigned has reviewed the Work outlined in the Contract Documents and fully understands the scope of Work required in this Proposal, understands the construction and project management function(s) is described in the Contract Documents, and that each Bidder who is awarded a contract shall be in fact a prime contractor, not a subcontractor, to the District, and agrees that its Proposal, if

accepted by the District, will be the basis for the Bidder to enter into a contract with the District in accordance with the intent of the Contract Documents.

2. The undersigned has notified the District in writing of any discrepancies or omissions or of any doubt, questions, or ambiguities about the meaning of any of the Contract Documents, and has contacted the Construction Manager before bid date to verify the issuance of any clarifying Addenda.
3. The undersigned agrees to commence work under this Contract on the date established in the Contract Documents and to complete all work within the time specified in the Contract Documents.
4. The liquidated damages clause of the General Conditions and Agreement is hereby acknowledged.
5. It is understood that the District reserves the right to reject this bid and that the bid shall remain open to acceptance and is irrevocable for a period of ninety (90) days.
6. The following documents are attached hereto:
 - Bid Bond on the District's form or other security
 - Designated Subcontractors List
 - Non-Collusion Declaration
 - Iran Contracting Act Certification

7. Receipt and acceptance of the following Addenda is hereby acknowledged:

No. _____, Dated _____	No. _____, Dated _____
No. _____, Dated _____	No. _____, Dated _____
No. _____, Dated _____	No. _____, Dated _____

8. Bidder acknowledges that the license required for performance of the Work is a B license.
9. Bidder hereby certifies that Bidder is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the Work.
10. Bidder specifically acknowledges and understands that if it is awarded the Contract, that it shall perform the Work of the Project while complying with all requirements of the Department of Industrial Relations.
11. Bidder hereby certifies that its bid includes sufficient funds to permit Bidder to comply with all local, state or federal labor laws or regulations during the Project, including payment of prevailing wage, and that Bidder will comply with the provisions of Labor Code section 2810(d) if awarded the Contract

12. Bidder specifically acknowledges and understands that if it is awarded the Contract, that it shall perform the Work of the Project while complying with the Davis Bacon Act, applicable reporting requirements, and any and all other applicable requirements for federal funding. If a conflict exists, the more stringent requirement shall control.
13. Bidder represents that it is competent, knowledgeable, and has special skills with respect to the nature, extent, and inherent conditions of the Work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the Work that may create, during the Work, unusual or peculiar unsafe conditions hazardous to persons and property.
14. Bidder expressly acknowledges that it is aware of such peculiar risks and that it has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the Work with respect to such hazards.
15. Bidder expressly acknowledges that it is familiar with and capable of complying with applicable federal, State, and local requirements relating to COVID-19 or other public health emergency/epidemic/pandemic including, if required, preparing, posting, and implementing a Social Distancing Protocol.
16. Bidder expressly acknowledges that it is aware that if a false claim is knowingly submitted (as the terms "claim" and "knowingly" are defined in the California False Claims Act, Gov. Code, § 12650 et seq.), the District will be entitled to civil remedies set forth in the California False Claim Act. It may also be considered fraud and the Contractor may be subject to criminal prosecution.
17. The undersigned Bidder certifies that it is, at the time of bidding, and shall be throughout the period of the Contract, licensed by the State of California to do the type of work required under the terms of the Contract Documents and registered as a public works contractor with the Department of Industrial Relations. Bidder further certifies that it is regularly engaged in the general class and type of work called for in the Contract Documents.

Furthermore, Bidder hereby certifies to the District that all representations, certifications, and statements made by Bidder, as set forth in this bid form, are true and correct and are made under penalty of perjury.

Dated this _____ day of _____ 20 ____

Name of Bidder: _____

Type of Organization: _____

Signature: _____

Print Name: _____

Title: _____

Address of Bidder: _____

Taxpayer Identification No. of Bidder: _____

Telephone Number: _____

Fax Number: _____

E-mail: _____ Web Page: _____

Contractor's License No(s): No.: _____ Class: _____ Expiration Date: _____

No.: _____ Class: _____ Expiration Date: _____

No.: _____ Class: _____ Expiration Date: _____

Public Works Contractor Registration No.: _____

END OF DOCUMENT

MLK – Wellness Center – Owner Furnished Contractor Installed HVAC Equipment

District is providing all HVAC Units and Exhaust Fans noted on DSA Drawing Sheet M0.01. See associated District Equipment Purchase Orders attached.

Snap shot below from District’s HVAC Equipment bid with Model Numbers being provided. Contractor to include labor for all items noted below as “Field Installed.”

Contractor to include all costs to coordinate pick up, loading, trucking of HVAC equipment from District warehouse located at 1201 Citation Way, Bakersfield, CA, 93308. Include delivery to jobsite for installation, 1100 Citadel St., Bakersfield, CA, 93307.

HP-7	72	50GCQJ05J2M6-0A3A0	4 Ton Heat Pump Rooftop Packaged Unit 460-3-60 <ul style="list-style-type: none"> • Two-Stage Cooling single circuit (SEER) • 460-3-60 • 4 Tons • Condensate overflow switch • Direct drive, EcoBlue, medium static fan • AI/Cu cond. coil - AI/Cu evap coil w/Hail Guards • Electro-Mechanical Ctl • Hinged access panels • Ion Generator • Factory Start-Up with 1st Year Labor Warranty
HP-7	72		Time Guard II <i>(Field Installed)</i>
HP-7	72		Fan/Filter Status Switch <i>(Field Installed)</i>
HP-7	72		Phase Monitor Control <i>(Field Installed)</i>
HP-7	72		5.5 kW Electric Heat Strip <i>(Field Installed)</i>
HP-7	72		Hinged Access Door <i>(Field Installed)</i>
HP-7	72		Down Discharge Dry Bulb Economizer <i>(Field Installed)</i>
HP-7	72		14" Tall Pitched Welded Roof Curb <i>(Field Installed) (Contractor to Verify Prior to Order)</i>
		Subtotal:	
HP-8	1	38MARBQ12AA3	1 Ton Heat Pump Condenser 208/230-1-60 <ul style="list-style-type: none"> • Factory Start-Up with 1st Year Labor Warranty
HP-8	1	40MBCQ12--3	1 Ton 4-Way Cassette Indoor Unit 208/230-1-60 <ul style="list-style-type: none"> • Factory Start-Up with 1st Year Labor Warranty
HP-8	1		Cassette Grille <i>(Field Installed)</i>
HP-8	1		24V Interface Kit <i>(Field Installed)</i>



Bakersfield City School District
 1300 Baker Street
 Bakersfield, CA 93305-4326
 Phone: (661) 631-4600 Fax: (661) 861-9907

PURCHASE ORDER
 No: **P24002918**
 Date: 08/24/2023

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SIGLER WHOLESALE DISTRIBUTORS
 7021 SCHIRRA CT.
 BAKERSFIELD, CA 93313

Phone: (661) 636-0792 Fax: (860) 622-6719

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Bakersfield City School District
 Dr. Martin Luther King, Jr. Elementary School
 1100 Citadel Street
 Bakersfield, CA 93307

For: Maintenance, Operations and Facilities
 MLK JR 22243.00-09-WELLNESS

Vendor # 295960

Terms: NET 30 DAYS

Due Date: 09/20/2023

Buyer: Melissa Hernandez

Req # R24003766

FOB: N/A

Ship Via: OUR PICK-UP

ITEM	QUANTITY	UNIT	ISSUE	DESCRIPTION	UNIT COST	EXTENSION
1	3	EA		MLK JR 22243.00-09-WELLNESS BID #23-06-01 Carrier HP-7 (4) Ton Unit, Model: 50GCQM05 Electric		
2	1	EA		Carrier HP-8 {1} Ton Unit, Model: 40MBCO12 Electric IDU-1 Indoor Unit		
3	1	EA		Carrier HP-8 {1} Ton Unit, Model: 38MARQ12 Electric ODU-1 Outdoor Unit PRICING PER HVAC EQUIPMENT REPLACEMENT BID #23-06-01 BOARD APPROVAL DATE: AUGUST 8, 2023		

Special Instructions to Vendor:

- Purchase order number must appear on all invoices, shipping papers and correspondence.
- Submit itemized invoice to the Accounts Payable Office,
 1300 Baker Street, Bakersfield, CA 93305
- Packing slip must accompany each delivery, showing PO number, serial number, and description.
- No changes without authorization from the Purchasing Department.
- If freight charges apply, prepay and add to invoice. No C.O.D. charges permitted.
- Receiving hours: 8:00 a.m. - 4:00 p.m., Monday - Friday.
- This PO is a covered transaction for purposes of 49 CFR Part 29. As such, the vendor/contractor certifies that to the best of its knowledge and belief that it and its principals are not presently debarred, suspended, proposed for disbarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.
- MATERIAL SAFETY DATA SHEETS MUST BE SUPPLIED WHERE APPLICABLE**

SUB TOTAL	
SALES TAX	
SHIPPING	
TOTAL	

AUTHORIZED SIGNATURE

David J. West

VENDOR



Bakersfield City School District
 1300 Baker Street
 Bakersfield, CA 93305-4326
 Phone: (661) 631-4600 Fax: (661) 861-9907

PURCHASE ORDER
 No: **P24002902**
 Date: 08/24/2023

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NORMAN S. WRIGHT DUCKWORTH
 MECHANICAL
 EQUIPMENT CO., LLC
 7595 N. DEL MAR AVENUE
 FRESNO, CA 93711
 Phone: (559) 449-8701 Fax: (559) 449-8734

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Bakersfield City School District
 Dr. Martin Luther King, Jr. Elementary School
 1100 Citadel Street
 Bakersfield, CA 93307
 For: Maintenance, Operations and Facilities
 MLK JR 22243.00-09-WELLNESS

Vendor # 317913

Terms: NET 30 DAYS

Due Date: 09/20/2023

Buyer: Melissa Hernandez

Req # R24003872

FOB: FRESNO

Ship Via: UPS

ITEM	QUANTITY	UNIT	ISSUE	DESCRIPTION	UNIT COST	EXTENSION
1	1	EA		MLK JR 22243.00-09-WELLNESS - BID #23-06-01		
2	3	EA		Greenheck EF-6, Model: SP-A70-QD Greenheck EF-7, Model: SP-A110-QD PRICING PER EXHAUST FAN REPLACEMENT BID #23-06-01 BOARD APPROVAL DATE: AUGUST 8, 2023		

Special Instructions to Vendor:

- Purchase order number must appear on all invoices, shipping papers and correspondence.
- Submit itemized invoice to the Accounts Payable Office,
1300 Baker Street, Bakersfield, CA 93305
- Packing slip must accompany each delivery, showing PO number, serial number, and description.
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- MATERIAL SAFETY DATA SHEETS MUST BE SUPPLIED WHERE APPLICABLE**

SUB TOTAL	
SALES TAX	
SHIPPING	
TOTAL	

AUTHORIZED SIGNATURE

David J. West

VENDOR

TS250 Internet-Enabled Thermostat with Integrated CO² Sensor

The Pelican Internet-Enabled Thermostat with an integrated CO² sensor provides commercial customers with virtual climate and air quality management. The TS250 delivers accurate temperature management, air quality (CO²) management, leading edge energy efficiency, built-in safeties and alarming, and fine tuned comfort. Coupled with the Pelican Web App, the TS250 tracks space temperature, CO² levels, and HVAC operational data in real-time and historically. All information is displayed in real-time online and is viewable on any Internet-connected device.



+ MESH WIRELESS NETWORK

The TS250 communicates wirelessly with a GW400 to reach the Internet. Each TS250 has built-in state-of-the-art wireless mesh network communication and repeating.

+ FAULT ALARMING

Built-in system and space analytics with automated email or text message alerts when a fault is detected.

+ WEB APP

Virtual and central management of TS250 available on all smart phones, tablets, and PCs. Directly manage thermostat temperature and CO² levels through a web browser. Designed for intuitive control over multiple thermostats.

+ HISTORICAL TREND DATA

Online viewable historical data of space temperature, setpoints, HVAC demand, CO² level, and fan demand.

+ INSTALLATION

Industry standard HVAC terminals utilize existing thermostat wire. Included with TS250 is Pelican's innovative limited wiring relay pack (WM500) used in applications where there are only three (3) wires to the HVAC unit.

+ SCHEDULING

Through the Pelican Web App you can schedule the TS250 thermostat for daily, 5-2, or 7-day schedules. Thermostats can also be scheduled as groups, for simple multi-thermostat management.

Designed and assembled in the USA
5-Year Limited Warranty



Specifications

POWER	
Hardwire	24VAC, 60Hz; 50 mA
Voltage Range	23 - 30VAC
Relay Current	1.0A running

COMPATIBILITY	
24VAC gas, electric, or oil heating systems. Conventional and Heat Pump	

WIRING	
Conventional	R, RC, W, W2, Y, Y2, G, C
Heat Pump	R, RC, O/B, AUX, Y, Y2, G, C

SYSTEM PROTECTION	
Four-Minute Compressor Short-Cycle Protection	
Temporary Schedule Override	
Auxiliary/Emergency Heat Efficiency Algorithm	
Keypad Lockout	
Trend Data Analytics and Fault Monitoring	

THERMOSTAT RANGE	
Operating Range	-20°F to 122°F
Differential Temperature	±0.5°F
Operating Humidity (%RH)	5 to 90% RH; non-condensing
Integrated Room CO ² Sensor	0 - 2000 PPM; +/- 50ppm accuracy
Storage Temperature	-20°F to 160°F

SIZE	
Inch	H 3.5 x W 5.97 x D 1.5
mm	H 89 x W 150 x D 38
Horizontal Mounting	

Pelican Wireless Systems | 2655 Collier Canyon Road, Livermore CA 94551
 (888) 512-0490 | sales@pelicanwireless.com

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PROJECT MANUAL CONTRACTUAL-LEGAL REQUIREMENTS SPECIFICATIONS

MLK WELLNESS CENTER BAKERSFIELD CITY SCHOOL DISTRICT BAKERSFIELD, CALIFORNIA



CURTIS E. FLYNN
Project Architect

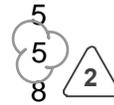
Integrated Designs by SOMAM, Inc.
6011 N. Fresno Street, Suite 130
Fresno, California 93710

Project No. 5527 Set No. _____

5527 BAKERSFIELD CITY SCHOOL DISTRICT
MLK WELLNESS CENTER
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SECTION 102800 - TOILET ACCESSORIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

1. Private use bathroom accessories.
2. Custodial accessories.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated. Include the following:
 1. Construction details and dimensions.
 2. Anchoring and mounting requirements, including requirements for cutouts in other work and substrate preparation.
 3. Material and finish descriptions.
 4. Features that will be included for Project.
 5. Manufacturer's warranty.
- B. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required.
 1. Identify locations using room designations indicated.
 2. Identify products using designations indicated.

1.4 INFORMATIONAL SUBMITTALS

- A. Warranty: Sample of special warranty.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For toilet and bath accessories to include in maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Source Limitations: For products listed together in the same Part 2 articles, obtain products from single source from single manufacturer.

1.7 COORDINATION

- A. Coordinate accessory locations (including wall recess opening) with other work to prevent interference with clearances required for access by people with disabilities, and for proper installation, adjustment, operation, cleaning, and servicing of accessories.

- B. Deliver inserts and anchoring devices set into concrete or masonry as required to prevent delaying the Work.

1.8 WARRANTY

- A. Special Mirror Warranty: Manufacturer's standard form in which manufacturer agrees to replace mirrors that develop visible silver spoilage defects and that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: 15 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 TOILET ROOM ACCESSORIES

- A. Basis-of-Design Products: Subject to compliance with requirements, provide Bobrick or comparable products by one of the following:

- 1. A & J Washroom Accessories, Inc.
- 2. American Specialties, Inc.
- 3. Bradley Corporation.
- 4. GAMCO Specialty Accessories; a division of Bobrick Washroom Equipment, Inc.
- 5. Tubular Specialties Manufacturing, Inc.

- B. Toilet Tissue (Roll) Dispenser TP-1

- 1. Basis-of-Design Product: B-3888
- 2. Description: Roll-in-reserve dispenser with hinged front secured with tumbler lockset.
- 3. Mounting: Recessed.
- 4. Operation: Non-control, delivery with theft-resistant spindle.
- 5. Capacity: Designed for 5-inch-diameter tissue rolls.
- 6. Material and Finish: Stainless steel, No. 4 finish (satin).

- C. Paper Towel (Folded) Dispenser PT-1:

- 1. Basis-of-Design Product: B-4262.
- 2. Mounting: Surface.
- 3. Minimum Capacity: 400 C-fold or 525 multifold towels.
- 4. Material and Finish: Stainless steel, No. 4 finish (satin). 
- 5. Lockset: Tumbler type.
- 6. Refill Indicators: Pierced slots at sides or front.

- D. Liquid-Soap Dispenser SD-1

- 1. Basis-of-Design Product: B-2111.
- 2. Description: Designed for dispensing soap in liquid or lotion form.
- 3. Mounting: Vertically oriented, surface mounted.
- 4. Capacity: 40 oz.
- 5. Materials: body of stainless steel, No. 4 finish (satin). Valve of black molded push button and spout, soap head-holding mushroom valve. Stainless steel spring and duckbill.

6. Lockset: Tumbler type.
7. Refill Indicator: Window type.

E. Grab Bar GB-1:

1. Basis-of-Design Product: B-6806.99.
2. Mounting: Flanges with concealed fasteners.
3. Material: Stainless steel, 0.05 inch thick.
 - a. Finish: Smooth, No. 4 finish (satin) on ends and slip-resistant texture in grip area.
4. Outside Diameter: 1-1/2 inches.
5. Configuration and Length: Straight, 36 inches minimum.

F. Grab Bar GB-2:

1. Basis-of-Design Product: B-6806.99.
2. Mounting: Flanges with concealed fasteners.
3. Material: Stainless steel, 0.05 inch thick.
 - a. Finish: Smooth, No. 4 finish (satin) on ends and slip-resistant texture in grip area.
4. Outside Diameter: 1-1/2 inches.
5. Configuration and Length: Straight, 42 inches minimum.

G. Seat-Cover Dispenser SC-1:

1. Basis-of-Design Product: B-301.
2. Mounting: Recessed.
3. Minimum Capacity: 500 seat covers.
4. Exposed Material and Finish: Stainless steel, No. 4 finish (satin).
5. Lockset: Tumbler type.

H. Mirror Unit MIR-1

1. Basis-of-Design Product: B-2908.
2. Frame: Stainless-steel angle, 0.05 inch.
 - a. Corners: Welded and ground smooth.
3. Hangers: Produce rigid, tamper- and theft-resistant installation, using method indicated below.
 - a. One-piece, galvanized-steel, wall-hanger device with spring-action locking mechanism to hold mirror unit in position with no exposed screws or bolts.
4. Size: 18" X 36"

I. Specimen Pass-Through Cabinet PTC:

1. Basis-of-Design Product: B-505.

2

2. Description: With self-closing doors on both sides, lock that prevents doors from both being opened at same time, and removable stainless-steel tray.
3. Nominal Wall Opening: 12 by 11-1/4 inches, width by height.
4. Material and Finish: Stainless steel, No. 4 finish (satin).

2

2.2 CUSTODIAL ACCESSORIES

- A. Basis-of-Design Products: Subject to compliance with requirements, provide Bobrick or comparable products by one of the following:
 1. A & J Washroom Accessories, Inc.
 2. American Specialties, Inc.
 3. Bobrick Washroom Equipment, Inc.
 4. Bradley Corporation.
 5. GAMCO Specialty Accessories; a division of Bobrick Washroom Equipment, Inc.
 6. Tubular Specialties Manufacturing, Inc.
- B. Mop and Broom Holder MBH-1:
 1. Basis-of-Design Product: B-223 x 36.
 2. Description: Unit with shelf, hooks, holders, and rod suspended beneath shelf.
 3. Length: 36 inches .
 4. Hooks: Four.
 5. Mop/Broom Holders: Three, spring-loaded, rubber hat, cam type.
 6. Material and Finish: Stainless steel, No. 4 finish (satin).
 - a. Shelf: Not less than nominal 0.05-inch-thick stainless steel.
- C. Paper Towel (Folded) Dispenser PT-2:
 1. Basis-of-Design Product: B-262.
 2. Mounting: Surface mounted.
 3. Minimum Capacity: 400 C-fold or 525 multifold towels.
 4. Material and Finish: Stainless steel, No. 4 finish (satin).
 5. Lockset: Tumbler type.
 6. Refill Indicators: Pierced slots at sides or front.

2.3 FABRICATION

- A. General: Fabricate units with tight seams and joints, and exposed edges rolled. Hang doors and access panels with full-length, continuous hinges. Equip units for concealed anchorage and with corrosion-resistant backing plates.
- B. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of six keys to Owner's representative.

PART 3 - EXECUTION

3.1 GENERAL

- A. Refer to Drawing Plans, Details, Notes and Interior Elevations for locations and mounting heights of all accessories. Verify all accessories can be mounted to comply with applicable disabled access requirements per 2019 CBC Chapter 11B, Division 6 and notify Architect of any conflicts prior to installing blocking/backing, cutting-in of openings and ordering of any related materials. Provide alternative units of equal or better quality and capacity to suite the specific accessory location. Paper towel dispensers, hair dryers, napkin dispensers and similar accessories located in accessible path of travel within toilet rooms shall not protrude more than 4" from the face of the wall along the accessible route to fixtures.
- B. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the Work. Do not proceed until unsatisfactory conditions are corrected

3.2 INSTALLATION

- A. Install accessories according to manufacturers' written instructions, using fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated.
 - 1. All accessories mounted on toilet partitions shall use tamper-resistant torx through bolts.
- B. Secure mirrors to walls in concealed, tamper-resistant manner with special hangers, toggle bolts, or screws. Set units level, plumb, and square at locations indicated, according to manufacturer's written instructions for substrate indicated.
- C. Install grab bars to withstand a downward load of at least 250 lbf, when tested according to method in ASTM F 446.
 - 1. Where mounting grab bars to toilet partitions provide stainless steel backing plate and thru-anchors (Bobrick 2583 or equal).

3.3 ADJUSTING AND CLEANING

- A. Adjust accessories for unencumbered, smooth operation. Replace damaged or defective items.
- B. Remove temporary labels and protective coatings.
- C. Clean and polish exposed surfaces according to manufacturer's written recommendations.

END OF SECTION 102800

Part 1 General

1.1 Work Included

A. General

1. Provide all labor, materials, tools and equipment required for the complete installation of work called for on the Construction Drawings and described in the Scope Documentation.
2. This document describes the requirements for the contractors, products and installation relating to furnishing and installing Telecommunications Cabling systems.
3. The Horizontal Cabling System as described in this document consists of cabling, infrastructure, J-hook pathways and termination devices for Data systems.
4. Contractor will provide a bid including all labor, materials, tools and equipment required for the complete installation of work called for on the Construction Drawings and described in this Document. It is the responsibility of the Contractor to provide all material necessary to provide a complete and operable system. If the contractor feels that the system described is incomplete, they must address this in writing to the Owner/Owner's Representative before providing a bid.
5. All questions concerning non-specified product and services will be addressed to the Owner's Representative before Contractor provides a bid. Owner expects that by accepting the Contractor's bid proposal that the Contractor has provided a competent bid for a complete solution.
6. Product specifications, general design considerations, and installation guidelines are provided in this document. Quantities of telecommunications outlets, typical installation details, cable routing and outlet types will be provided as an attachment to this document.

1.2 References

A. Regulatory References

1. Contractors will comply with all requirements as specified in Section 27 0000 '1.3. – Regulatory References'.

1.3 Safety and Indemnity

A. Requirements

1. Contractors will submit the necessary documentation to demonstrate their compliance with Section 27 0000 '2.1 – Safety and Indemnity'.

1.4 Contractor Qualifications

A. Requirements

1. Contractors will submit the necessary documentation to demonstrate their compliance with Section 270000 '2.2 – Contractor Qualifications'.

1.5 Quality Assurance

A. Requirements

1. Contractors shall comply with all requirements as specified in Section 27 0000 '2.3 – Quality Assurance'.
- 1.6 Equivalent Products
- A. Approved Products
 1. All Products described, and Part Numbers given in this Specification are those of Hubbell unless otherwise noted.
 - B. Pre-Approved Equals:
 1. None
 - C. Other Than Approved Products
 1. Contractors wishing to approve a system other than those specified in this document shall do so in accordance with Section 27 000 '3.1 Products'.
- 1.7 Submittal Documentation
- A. Requirements
 1. The successful contractor shall provide their submittal package in accordance with the Section '01 20 00 – Submittal Schedule' and Section 27 0000 '3.2 – Submittal Documentation'.
- 1.8 Acceptance
- A. Requirements
 1. The contractor shall comply with all requirements as listed in Section 27 0000 '3.3 – Acceptance'.
- 1.9 Warranty
- A. Requirements
 1. The contractor shall comply with all requirements as listed in Section 27 0000 '3.4 – Warranty'.
- 1.10 Technology Clause
- A. General Requirements
 1. As technology advances, it is understood that improved or enhanced products may supersede existing products in both price and performance and yet be essentially similar. This request for bids seeks to address the rapid advances in technology by allowing functionally similar or identical products that may be introduced in the future, during the term of this bid, to be included under the general umbrella of compatible product lines and are thus specifically included in this bid document.
 2. Discontinued or end of life products shall be replaced with an equal product to the original specified product at no additional costs to the owner.

Part 2 Products

2.1 Work Area Subsystem

A. General

1. The Work Area shall consist of the connectivity equipment used to connect the horizontal cabling subsystem and the equipment in the work area. The connectivity equipment shall include the following options:

- Patch Cords
- Modular Inserts, Jacks and Plugs
- Faceplates

2. Category 6A Wireless Access Points Outlet Patch Cords

- All category 6A channel patch cords shall be constructed with a snagless boot, made of molded PVC, colored matched to the color of the patch cord cable.
- All category 6A channel patch cords shall be constructed with category 6A patch cable, 24 AWG, 7/32 tinned copper stranded patch cable, insulated with polyethylene and paired, jacketed with PVC, ETL Verified for ISO 11801, (UL) NEC type CM or CMR, 75° C, Article 800 CSA Type CMG.
- All category 6A channel patch cords shall be 100% factory tested to pass return loss (RL) and near-end cross talk (NEXT).
- All category 6A channel patch cords shall be manufactured using a T568-B plug-wiring format.
 - All patch cords will be delivered to the site and must be signed for by the Owner/Owner's Representative. It will be the responsibility of other to install all Work Area Data Patch Cords.
- Length:
 - Wi-Fi patch cords will be 3 feet long.
- Color:
 - Wi-Fi White
- Quantity
 - Wi-Fi Contractor will provide one (1) patch cable for each Wi-Fi data outlet.
- Hubbell Premise Part #, or approved equal:
 - Wi-Fi HCL6AW03

B. Modular Inserts and Jacks

1. Category 6 Data/Voice Jack & Camera Termination Plugs

- Jack will meet the Category 6 Standard.
- Jacks shall be 8 positions un-keyed

- Each jack shall be an individually constructed unit and shall snap mount in an industry standard keystone opening (.760" x 580")
- Jacks shall utilize a 2-layer printed circuit board to control NEXT
- Jack termination shall follow the industry standard 110 IDC.
- Jacks shall have a designation indicating Category 6 on the nose which can be plainly seen from the front of the faceplate. Bottom of jack shall have date code and an abbreviated catalog number.
- Jacks shall utilize a paired punch down sequence. Cable pair twists shall be maintained up to the IDC, terminating all conductors adjacent to its pair mate to better maintain pair characteristics designed by the cable manufacturer.
- Jacks shall terminate 22-26 AWG stranded or solid conductors.
- Jacks shall be compatible with single conductor 110 impact termination tools.
- Jacks shall be compatible with TIA/EIA 606 color code labeling
- Jacks shall have universal wiring designation.
- Jacks shall have an attached color-coded wiring instruction label housed between the IDC termination towers.
- Jacks shall be manufactured in the USA
- Jacks will be terminated according to the T568B wiring scheme
- Color:
 - Data/Voice WHITE
 - Camera Factory
- Quantity: Contractor will provide one jack for every outlet cable shown on the drawings.
- Hubbell Premise Part #, or approved equal.
 - Data/Voice HXJ6W
 - Camera SP6

2. Category 6A Wireless Access Point Jack

- Jack will meet the Category 6A Standard.
- Jacks shall be 8 positions un-keyed
- Each jack shall be an individually constructed unit and shall snap mount in an industry standard keystone opening (.760" x 580")
- Jacks shall utilize a 2-layer printed circuit board to control NEXT
- Jack termination shall follow the industry standard 110 IDC.
- Jacks shall have a designation indicating Category 6A on the nose which can be plainly seen from the front of the faceplate. Bottom of jack shall have date code and an abbreviated catalog number.
- Jacks shall utilize a paired punch down sequence. Cable pair twists shall be maintained up to the IDC, terminating all conductors adjacent to its pair mate to better maintain pair characteristics designed by the cable manufacturer.
- Jacks shall terminate 22-26 AWG stranded or solid conductors.
- Jacks shall be compatible with single conductor 110 impact termination tools.
- Jacks shall be compatible with TIA/EIA 606 color code labeling
- Jacks shall have universal wiring designation.
- Jacks shall have an attached color-coded wiring instruction label housed between the IDC termination towers.
- Jacks shall be manufactured in the USA
- Jacks will be terminated according to the T568B wiring scheme
- Color:

- Wi-Fi Purple
- Quantity: Contractor will provide one jack for every outlet cable shown on the drawings.
- Hubbell Premise Part #, or approved equal.
- Wi-Fi HJU6AP24

C. Wall Mount and Modular Furniture Faceplates

1. Wall Plates

- Faceplates shall be UL Listed and CSA Certified
- Faceplates shall be 2.75" W x 4.5" H (69.8 mm x 114.3 mm)
- Faceplates shall provide for TIA/EIA 606 compliant station labeling
- Faceplates shall have plastic covers over the mounting screws that can be replaced with a clear plastic window over a printable paper insert
- Color: WHITE or STAINLESS STEEL.
 - Contractor will field verify and match finish to the existing electrical outlet face plate cover.
 - Quantity: Contractor will provide one single gang faceplate for each outlet shown on the drawings.
 - Hubbell Premise Part #, or approved equal.
 - WHITE
 - 1 Port IFP11W
 - 2 Port IFP12W
 - 3 Port IFP13W
 - 4 Port IFP14W
 - 6 Port IFP16W
 - STAINLESS STEEL
 - 1 Port SSFL11
 - 2 Port SSFL12
 - 3 Port SSFL13
 - 4 Port SSFL14
 - 6 Port SSFL16

2. Blank Insert

- Color: Blank Insert to be WHITE –
- Quantity: Contractor will provide one insert for every unused port in a faceplate.
- Hubbell Wiring, Part #: SFBW10, or approved equal.

3. Wall Phone Plates

- Faceplate shall be a two-piece design, including a steel base and a stainless-steel cover plate.
- Faceplates steel base shall incorporate six screw terminals, one 6 position jack and an insulating plastic sleeve.

- Faceplate shall be equipped with screw studs to be used as the mounts for wall hung telephones.
- Color: Faceplate to be STAINLESS STEEL
- Quantity: Contractor will provide one faceplate for each Intercom Handset outlet shown on the drawings.
- Allen Tel, Part #: AT630A-6, or approved equal. Tragic

4. Blank Wall Plates

- Faceplate shall be constructed from stainless steel.
- Faceplates shall be UL Listed and CSA Certified
- Faceplates shall be 2.75" W x 4.5" H (69.8 mm x 114.3 mm) for single gang.
- Color: Faceplate to be STAINLESS STEEL
- Quantity: Contractor will provide one faceplate for each unused data/voice/video/intercom outlet shown on the drawings.
- Hubbell Wiring Part #: S13, or approved equal.

5. Surface Mount Raceway Insert –

- Inserts for Hubble PB2, PB3, and PS3 Device Mounting Brackets
- Insert shall allow for two category 6 jacks to be mounted flush.
- Insert shall match the color of the Raceway installed.
- Color: Faceplate to be IVORY
- Quantity: Contractor will provide one 2port insert for each outlet in the Surface Mount Raceway shown on the drawings.
- Hubbell Part #: KP2162 or approved equal.

2.2 Horizontal Distribution Cabling

1. The horizontal distribution cabling system is the portion of the telecommunications cabling system that extends from the Work Area (WA) telecommunications outlet/connector to the horizontal cross-connect in the Telecommunications Room (TR).

- Cabling Support System
- Copper Station Cabling
- Copper Cross-Connect Cabling

B. Cabling Support System

1. J-Hooks

- Cable supports shall provide a bearing surface of sufficient width to comply with required bend radii of high-performance cables; cULus Listed.
- Cable supports shall have flared edges to prevent damage while installing cables.
- Cable support system shall provide fasteners that allow them to be mounted to wall, concrete, joist, tee-bar wire, treaded rod, beams and raised floor supports.
- Fasteners shall have the ability to either be factory or jobsite assembled; rated for indoor use in non-corrosive environments; cULus Listed.
- Fastener to with one non-continuous cable support, factory or jobsite assembled.
- Color: NA
- Quantity: Contractor will provide quantities of j-hooks and hanger accessories in the amount necessary to support all horizontal cabling every 4-5 feet.
- Part #:

- ERICO CAT425
- Cooper B-Line BCH12, BCH21, BCH32, BCH64 and accessories.

C. Copper Station Cable

1. Category 6 Data/Voice, Camera, and Intercom Unshielded Twisted Pair (UTP) Cable

- Cable will meet or exceed the proposed requirements of ANSI/TIA/EIA 568-B.2, 568-B.2 Addendum #1 and ISO/IEC 11801 Category 6 Cable Standard for: NEXT and ELFEXT (Pair-To-Pair and Power Sum), Insertion Loss (Attenuation), Return Loss, and Delay Skew.
- Cable shall be proven to support Gigabit Ethernet / 1000BASE-T / IEEE 802.3ab, ATM up to 155 Mbps, IEEE 802.3af Power Over Ethernet for VoIP, 100 Mbps Fast Ethernet / 100BASE-T / IEEE 802.3, ANSI.X3.263 FDDI TP-PMD, Ethernet / 10BASE-T / IEEE 802.3, 4 & 16 Mbps Token Ring / IEEE 802.5, T1/E1, xDSL, ISDN, 550 MHz Broadband Video and standards under development such as ATM at 622 Mbps, 1.2 and 2.4 Gbps.
- The cable shall consist of four unshielded twisted pairs of thermoplastic insulated bare copper enclosed in a thermoplastic jacket.
- All cable shall conform to the requirements for communications circuits defined by the National Electrical Code (Article 800) and the Canadian Building Code. Cable listed to NEC Article 800-51(a) will be used for “Plenum” installations. Cable listed to NEC Article 800-51(b) shall be installed in vertical runs penetrating more than one floor.
- Cable shall have been certified with the UL 1666 Vertical Tray Flame Test.
- Cable shall be available in a Plenum, Riser and Indoor/Outdoor rated jackets.
- Contractor will use the indoor/outdoor rated cable for all locations where the cable pathway goes underground and/or run in exterior conduit.
- The listed Category 6 cables in this specification are manufactured by Mohawk/CDT. All other manufactures eligible for Hubbell’s Certified Premise Solution also have been pre-approved.
- Color:
 - Data/Voice BLUE
 - Camera WHITE
 - Intercom YELLOW
- Quantity: See Drawing for quantity and installation details.
- Part#:
 - For Riser Application:
 - Data/Voice Hubbell C6RREB
 - Camera Hubbell C6RREW
 - Intercom Hubbell C6RREY
 - For Plenum Application:
 - Data/Voice Hubbell C6RPEB
 - Camera Hubbell C6RPEW
 - Intercom Hubbell C6RPEY
 - For Indoor/Outdoor Application:

- Data/Voice, Mohawk PN# M58722 (all cable jackets will be BLACK)

2. Category 6A Wireless Access Point Unshielded Twisted Pair (UTP) Cable

- Cable will meet or exceed the proposed requirements of ANSI/TIA/EIA 568-B.2, 568-B.2 Addendum #1 and ISO/IEC 11801 Category 6 Cable Standard for: NEXT and ELFEXT (Pair-To-Pair and Power Sum), Insertion Loss (Attenuation), Return Loss, and Delay Skew.
- Cable shall be proven to support Gigabit Ethernet / 1000BASE-T / IEEE 802.3ab, ATM up to 155 Mbps, IEEE 802.3af Power Over Ethernet for VoIP, 100 Mbps Fast Ethernet / 100BASE-T / IEEE 802.3, ANSI.X3.263 FDDI TP-PMD, Ethernet / 10BASE-T / IEEE 802.3, 4 & 16 Mbps Token Ring / IEEE 802.5, T1/E1, xDSL, ISDN, 550 MHz Broadband Video and standards under development such as ATM at 622 Mbps, 1.2 and 2.4 Gbps.
- The cable shall consist of four unshielded twisted pairs of thermoplastic insulated bare copper enclosed in a thermoplastic jacket.
- All cable shall conform to the requirements for communications circuits defined by the National Electrical Code (Article 800) and the Canadian Building Code. Cable listed to NEC Article 800-51(a) will be used for “Plenum” installations. Cable listed to NEC Article 800-51(b) shall be installed in vertical runs penetrating more than one floor.
- Cable shall have been certified with the UL 1666 Vertical Tray Flame Test.
- Cable shall be available in a Plenum, Riser and Indoor/Outdoor rated jackets.
- Contractor will use the indoor/outdoor rated cable for all locations where the cable pathway goes underground and/or run in exterior conduit.
- The listed Category 6 cables in this specification are manufactured by Mohawk/CDT. All other manufactures eligible for Hubbell’s Certified Premise Solution also have been pre-approved.
- Color:
 - Wi-Fi BLUE
- Quantity: See Drawing for quantity and installation details.
- Part#:
 - For Riser Application:
 - Wi-Fi Hubbell C6ASRB
 - For Plenum Application:
 - Wi-Fi Hubbell C6ASPB
 - For Indoor/Outdoor Application:
 - Wi-Fi, Mohawk PN# M58722 (all cable jackets will be BLACK)

D. Horizontal Copper Cross-Connect Cabling

1. Voice Cross-Connect Cabling

- Cable shall meet and/or exceed the UL Listed Type CMR and the ANSI/ICEA S-80-576 standard.
- Core Construction

- Conductors: Solid-copper conductors, 24 AWG.
 - Insulation: Flame retardant semi-rigid PVC.
 - Core Assembly: Cable core will be made up of 100 pair units consisting of four (4) 25 pair sub-units. Each group individually identifiable by color coded unit binders.
- Jacket: Gray, flame retardant PVC jacket.
 - Color: Voice cable jacket will be GRAY
 - Quantity: See Drawing for quantity and installation details. The number of 25-pair cable between the MDF and the IDF shall be derived by multiplying the number of pairs required for the cross-connect by 1.25 to the nearest 25-pair increment.
 - Part#: Equal to Mohawk Cable:
 - 12 pair = PN# 09-094-02 – Superior Essex
 - 25 pair = PN# M58141
 - 50 pair = PN# M58522
 - 100 pair = PN# M585201

2.3 Backbone Cabling

A. General

1. The backbone cabling system is the portion of the telecommunications cabling system that extends from the Intermediate Distribution Frame (IDF) to the Main Distribution Frame (MDF).
 - Fiber Optic Backbone Cabling
 - Copper Backbone Cabling

B. Fiber Optic Backbone Cabling –

1. Data System Backbone Cabling

- Cable shall be UL/cUL OFNR/OFN FTA rated and be Flame Resistant in accordance with the UL 1666.
- Cable shall an indoor/outdoor rated jacket.
- Cable shall be constructed utilizing a loose tube design.
- Cable will be fully water blocked combining overall water blocking tape and a moisture blocking gel for each individual tube.
- Cable will maintain the following:
 - Crush Resistance (EIA-455-41) = 2000 N/cm
 - Impact Resistance (EIA-455-25) = 2000 Impacts w/1.6 N-m
 - Min Bend Radius:
 - Long Term - No Load = 15x Cable diameter
 - Short Term – Load = 20x Cable diameter
 - Operating Temp. = -40°C to +70°C
 - Storage Temp. = -40°C to +80°C
- Cable shall be constructed of 50/125μ Laser Optimized rated glass capable of:
 - 1 Gigabit Ethernet Link at 1000m/600m (@850nm/1300nm)

- 10 Gigabit Ethernet Link at 300m/300m (@850nm/1300nm)
- The Fiber Optic Cable in this specification is manufactured by Mohawk/CDT. All other manufactures eligible for Hubbell's Certified Premise Solution that meet and/or exceed the below specifications have also been pre-approved.
- Color: Fiber Optic cable jacket will be BLACK
- Quantity: See Drawing for quantity and installation details.
- Hubbell Premise Part #:
- 12 Strand Multi Mode Fiber HFCD14012R4BK

C. Copper System Backbone Cabling

1. Voice & Intercom System Backbone Cabling

- Cable shall meet or exceed those specified in RUS Bulletin 1753F-208 (REA PE-89)
- Core Construction
 - Conductors: Solid, annealed copper, 24 AWG unless otherwise noted on design documents.
 - Insulation: Dual insulation consisting of an inner layer of foamed polyolefin skin, colored coded in accordance with industry standards
 - Core Assembly: Cables of 25 pairs and less formed by assembling pairs together in a single group. Cables of more than 25 pairs formed by twisted pairs arranged in groups with each group having a color coded unit binder.
 - Filling Compound: The entire core assembly completely filled with ETPR compound, filling the interstices between the pairs and under the core tape.
 - Core Wrap: Non-hygroscopic dielectric tape applied longitudinally with an overlap.
 - Sheath Construction
 - Aluminum Shield: Corrosion protected plastic coated, corrugated 0.008" aluminum tape.
- Jacket: Black, linear low-density polyethylene.
- Color: Voice cable jacket will be BLACK
- Quantity: See Drawing for quantity and installation details. The number of 25-pair cable between the MDF and the IDF shall be derived by multiplying the number of pairs serving the individual telephone handsets by 1.25 to the nearest 25-pair increment.
- Part#: Equal to General Cable:
 - 12 pair = PN#09-094-02 – Superior Essex
 - 25 pair = PN# 7525758
 - 50 pair = PN# 7525793
 - 75 pair = PN# 7525801
 - 100 pair = PN# 7525819
 - 200 pair = PN# 7525835

2.4 Telecommunication Room

A. General Requirements

1. The Telecommunication Room (TR) includes those products that terminate horizontal and backbone cabling subsystems and connect them to the network equipment.
 - Patch Cords
 - Horizontal Cabling Termination Equipment
 - Backbone Cabling Termination Equipment
 - Cabinets, Racks, and Enclosures
 - Cable Support System

B. Patch Cords

1. Category 6 Data/Voice & Camera TR Patch Cords

- TR Copper Patch Cords shall comply with those specified in 2.1 Work Area Subsystem, A. Patch Cords, 1. Category 6 Data Outlet Patch Cords
- All patch cords will be delivered to the site and must be signed for by the Owner/Owner's Representative. It will be the responsibility of other to install all TR Data and Voice Patch Cords.
- Color:
 - Data/Voice BLUE
 - Camera RED
- Quantity: Contractor will provide one patch cord for every data and voice outlet cable shown on the drawings. Contractor will provide the quantity of different length patch cords as follows:
- Part#:
 - Data/Voice Patch Cords
 - 3-Foot HCL6B03
 - Camera Patch Cords
 - 3-Foot HCL6R03

2. Category 6A Wireless Access Points TR Patch Cords

- TR Copper Patch Cords shall comply with those specified in 2.1 Work Area Subsystem, A. Patch Cords, 1. Category 6A Data Outlet Patch Cords
- All patch cords will be delivered to the site and must be signed for by the Owner/Owner's Representative. It will be the responsibility of other to install all TR Data and Voice Patch Cords.
- Color:
 - Wi-Fi PURPLE
- Quantity: Contractor will provide one patch cord for every data and voice outlet cable shown on the drawings. Contractor will provide the quantity of different length patch cords as follows:
- Part#:
 - Wi-Fi Patch Cords

3. Fiber Patch Cords

- Patch Cords shall be a Duplex LC to LC 50/125µm “Laser Optimize” Graded-Index Multimode Fiber Patch Cord.
- All patch cords shall be factory polished and 100% optically tested for superior performance.
- Cables shall have a Mated Pair MM Insertion Loss of less than 0.60 dB (0.25 dB Typical).
- Cable Retention: > 25 pounds
- All optical, mechanical and environmental performance shall meet and/or exceed the TIA/EIA-568-B.3 specifications.
- Fiber patch cords will be 1-meter long.
- Color: NA
- Quantity: Contractor will provide two fiber patch cords for every New fiber optic backbone cable run shown on the drawings.
- Part#: DFRCLCLCF1MM

C. Horizontal Cable Termination Equipment

1. Modular Unloaded Patch Panels (Only 48-Port Patch Panels is Acceptable)

- Panels shall be made of black anodized aluminum in 24-, 48-, and 96- port configurations.
- Panels shall have modular jacks employing a tri-plane staggered contact array with a flat “hairpin” contact design made of Beryllium copper with a minimum 50-micro-inch gold plating on contact surfaces over 50-100 micro-inch of nickel compliant with FCC part 68.
- Panels shall be equipped with 110-style termination made of fire retardant UL 94V0 rated thermoplastic and tin lead solder plated IDC.
- Panels shall have optional rear cable support bar for strain relief. Cable support bar shall attach to the rear of the patch panel itself without the use of additional fasteners or screws.
- Panels shall have self-adhesive, clear label holders and white designation labels provided with the panel for each row of 24 ports.
- Panels shall provide wiring identification & color code and maintain an in-line, paired punch down sequence that does not require the splitting of conductors from individual cable pairs.
- Panels shall terminate 22-26 AWG solid conductors, maximum insulated conductor outside diameter 0.050”.
- Panels shall be ANSI/TIA/EIA-568-B.1, B.2 and ISO/IEC 11801 category 6 compliant.
- Panels shall be UL LISTED 1863 and CSA certified.
- Panels shall be made by an ISO 9002 Certified Manufacturer.
- Panels installed in a 4-connector channel with a category 6 modular jack, and category 6 patch cords, all from the same manufacturer, and a qualified category 6 cables shall meet or exceed the requirements of Draft 5 of the TIA UTP Systems Task Group PN3727, Category 6 Draft Addendum to the ANSI/TIA/EIA-568-B.2 standard.
- Color: Patch Panel shall be BLACK
- Quantity: See Drawing for quantity and installation details. The number of patch panels to be supplied shall be derived by multiplying the number of data/voice

cables being terminated at the individual TR by 1.25 and providing additional panels in the nearest 24 port increment.

- Part#:
 - 24 port Category Patch Panel, HWS14608C
 - 48 port Category Patch Panel, HWS14609C
 - *Provide one Cable Management Bar, PN# PCBLMGT, for each 24 ports.

D. Horizontal Voice & Intercom Cross-Connect 66 Wiring Blocks

1. Wall Mount

- Blocks shall be available in a 25 pair unit.
- Blocks shall be wall mounted.
- Wiring blocks shall be available as kits that include the wiring blocks, the proper number of connecting clips, wire management and label strips.
- Blocks shall be constructed of a UL94 V0 rated polycarbonate blend.
- Blocks shall be mounted to a rugged 16 ga steel distribution frame. Frame shall support the 66 blocks and allow for a through for cables to be routed through the rear of the blocks directly to the termination point.
- Blocks shall be UL VERIFIED for TIA/EIA-568-B compliance.
- Color: NA
- Quantity: See Drawing for quantity and installation details.
- Part#: 6 pair block, PN# HPW66B16
- Part#: 25 pair block, PN# HPW66B425
- Accessories to be provided with each installed 66 Block:
 - Mounting Bracket PN# HPW89D

E. Backbone Cable Termination Equipment

1. Fiber Optic Cassette

- ETL Tested per TIA/EIA-568-C.3
- MM Mated Pair Insertion Loss: <0.5dB (0.35dB typical)
- Return Loss: <-35dB
- Operating temperature: 0-70°C
- Materials:
 - Connector ferrule: Zirconia ceramic
 - Connector body/nut: Nickel plated brass/zinc or polymer
- Strain relief boot: Flame retardant (UL-Rated 94-V0) polymer
- Color: Aqua
- Quantity: See Drawing for quantity and installation details.
- Part#: OCLC50G4CVI

F. Copper Termination Panels

1. Voice 110 Wiring Blocks
2. Wall Mount

- Blocks shall be available in a 300-pair unit.
- Blocks shall be wall mounted.
- Wiring blocks shall be available as kits that include the wiring blocks, the proper number of 5 pair connecting clips, wire management and label strips.
- Blocks shall be constructed of a UL94 V0 rated polycarbonate blend.
- Blocks shall be mounted to a rugged 16 ga steel distribution frame. Frame shall support the 110 blocks and allow for a through for cables to be routed through the rear of the blocks directly to the termination point.
- Blocks shall be UL VERIFIED for TIA/EIA-568-B compliance.
- Color: NA
- Quantity: See Drawing for quantity and installation details. The number of 110 blocks to be supplied shall be derived by multiplying the number of voice/intercom cables being terminated at the individual TR by 1.25 and providing additional panels in the nearest 300 pair block increment.
- Part#: 300 pair block, PN# 110WMK

3. OSP Protection Panels

- 110 connector input and output
- wall or frame mountable
- designed with an internal splice chamber and cover over incoming and outgoing connections and protection modules
- stackable to allow for future service expansion
- equipped with an internal fuse link
- external ground connectors accept 6-14 AWG ground wire
- accommodates industry standard 5 pin protection modules
- designed to exceed the requirements set forth in Underwriters Laboratory's UL497
- Color: NA
- Quantity: One protection panel will be installed per IDF home run to the MDF. Protection panels are not required at the IDF side of the cable run.

4. Part#: Circa Enterprise inc. –
 25 pair block, PN# 1880ECA1-25
 50 pair block, PN# 1880ECA1-50
 100 pair block, PN# 1880ECA1-100

G. Fiber Termination Panels

1. MDF Rack Mount Fiber Panel

- Panels shall be constructed of cold rolled 16 ga. steel with a black powder paint finish and provide for fully enclosed fiber patching and termination.
- Panels shall have a removable smoked Plexiglas front cover with optional lock kit. The panel shall have a removable top, front and rear covers. The panel adapter tray shall be removable from the front of the panel by sliding the tray forward. Panels shall come with rack mounting brackets that allow it to be mounted with the front cover flush with the front of the rack, or with the front of the panel extended 5.0" in front of the rack.
- Panels shall be 2 rack spaces, accepting 9 adapter panels.
- Adapter panels shall be available with SC multimode adapters. Adapter shall have a zirconia alignment sleeve.
- Panel shall have a splice tray mounting stud incorporated into the base for mounting of mechanical or fusion splice trays. Adapter tray shall have cable

management anchor points and come with cable anchors allowing for the maintenance of the incoming cable with the proper minimum bend radius.

- Panels shall have four cable entrance ports on the top and 2 on the bottom, which are covered by knock outs. Panels shall have two jumper ports in the bottom at the front of the panel with plastic dust covers for routing of jumpers.
- Color: Fiber Panel will be BLACK
- Quantity: See Drawing for quantity and installation details.
- Hubbell Premise Part #, or approved equal:
 - 4U Rack Mount Panel FCR4U15SPL
 - Insert Panels
 - Blanks FSPB

2. IDF Rack Mount Fiber Panel

- Panels shall be constructed of cold rolled 16-gauge steel with a black powder paint finish.
- The panel shall have a hinged swing-out fiber drawer. Panels shall come with rack mounting brackets that allow it to be mounted on a 19” or 23” rack. Panel shall occupy no more than one rack space.
- Panel shall be constructed to accept up to 3 adaptor panels.
- Panels shall have cable entrance points in the rear, which are covered by knock-outs
- Color: Fiber Panel will be BLACK
- Quantity: See Drawing for quantity and installation details.
- Hubbell Premise Part #, or approved equal:
 - Rack Mount Panel
 - 1U Rack Mount Panel FCR1U3SPL
 - Insert Panels
 - Blanks FSPB

3. IDF Wall Mount Fiber Panel

- Panels shall be constructed of cold rolled 16-gauge steel with a black powder paint finish.
- Panel shall be constructed to accept up to 1 adaptor panels.
- Color: Fiber Panel will be BLACK
- Quantity: See Drawing for quantity and installation details.
- Corning Cabling System Part #, or approved equal:
 - Wall Mount Panel
 - Single Panel Housing SPH-01P

H. Cabinets, Racks, and Enclosures

1. Contractor will provide the following ‘MDF/IDF’ Cabinets, Racks, Enclosures and components based on the number of cables to that will be terminated:

1. Floor Mount Cabinets

- Width: 750.0mm 29.52" (19" EIA)
- Height: 1991.0mm 78.38" (42 RMU)
- Depth: 39"
- Color: Floor Mount Cabinet will be or BLACK
- Quantity: See Drawing for quantity and installation details.
- Part#:
Floor Mount Cabinet
AR3150 NetShelter SX 42U
- Contractor to provide 3 for MDF

2. Floor Mount 2-post Racks

- Overall dimensions of 86.0"H x 29.1" W x 18.6" D
- Provides 45U x 19" W of mounting space
- Channel or Trough Depth 3"
- Rack shall provide High-density cable management fins provide an integrated vertical pathway for premise cabling and facilitate adherence to bend radius requirements
- Features EIA-310-D, Universal spacing, threaded #12-24 mounting holes
- Frame components are aluminum, while cable rings are an engineered polymer
- Finished with black, powder coat paint
- Supports 1,000 lb. [110 lb. maximum. per cable fin]
- Color: BLACK
- Quantity: See Drawing for quantity and installation details.
- Part #'s:
 - 2-Post Rack HPW84RR19
 - Vertical Management VM820

3. Wall-Mounted Cabinets

- Wall-mounted cabinets shall be manufactured from steel sheet.
- Each cabinet will have a rear panel that attaches to the wall, a hinged cabinet body that swings open from the rear panel providing easy access to the rear of equipment and a locking front door.
- The rear panel will provide cable access with pre-punched knockouts, up to 3", for conduit along the top and bottom edges of the panel. There will also be cutouts in the back of the rear panel so that cables can enter the panel through the wall. The rear panel will provide attachment points for accessory equipment mounting brackets and cable tie points within the panel (cabinet).
- The cabinet body will include a single pair of vertical 19" EIA equipment mounting rails. The mounting rails will be EIA-310-D compliant with the Universal hole pattern. Mounting holes will have #12-24 threads.
- Mounting rails will be adjustable in depth so that they can be positioned at any point within the cabinet body. The design of all cabinets will allow an additional pair of mounting rails (for a total of two pairs of mounting rails per cabinet) to be added to the cabinet.
- The wall-mount cabinet shall provide a hinge design that attaches the cabinet body and the rear panel and allow the rear panel to be removed during installation. The hinge design will allow the cabinet body to open at least

90°. The hasp used to secure the rear panel and the cabinet body together will assist in drawing the components together during the locking action.

- The cabinet body will include vents that are designed to accept fan kits.
- The front door will be hinged and locking. The front door and rear panel will be keyed alike. The front door will have rounded edges and corners. The cabinet body will allow the front door to be attached so that it will swing open from the right or left. The cabinet manufacture shall provide an option for a solid or a tinted plexi-glass window front door. The plexi-glass in doors shall be bronze acrylic (not clear) with a UL flammability classification of 94HB or better.
- Finish shall be epoxy-polyester hybrid powder coat (paint).
- The cabinet shall have the option of being delivered fully assembled. All cabinets will include installation hardware (hex lag screws) for wood studs and 50 each #12-24 equipment mounting screws.
- Load bearing capacity for cabinets that wall-mount will be a minimum of 200 pounds per cabinet.
- Cabinets that are wall-mount only will be certified and UL Listed to standard UL 60950 under category NWIN.
- Color: Wall Mount Cabinet will be White
- Quantity: See Drawing for size, quantity and installation details.
- Part#:
 - Hubbell RE4X
 - Great Lakes GL24WE-B-0
 - Great Lakes GL48WCMCM-B-SH-AF-CM
 - 11900-724 Chatsworth Cube-it
 - Accessories to be provided with each installed cabinet:
 - Sound Dampening Kit REKS
 - Fan Kit REKF
 - Fan Filter Kit REKFF

I. Telco Backboards

1. Backboards shall be 4' x 8' x .75" void free plywood (ACX Plywood with the "A" side turned out).
2. Sheets shall be but to size for the application intended.
3. The plywood shall be painted with two coats of white fire-retardant paint.
 - Flame Stop III paint additive ASTM E-84, NFPA 255, UL 723
 - Add one pint of Flame Stop III and one pint of water to one gallon of latex-based paint.

Part 3 Execution

3.1 Installation

A. Work Area Outlets Installation

1. No more than 12" of cable shall be stored in an outlet box, modular furniture raceway, or insulated walls.
2. Bend radius of the cable in the termination area shall not be less than 4 times the outside diameter of the cable.

3. The cable jacket shall be maintained to within 12.7mm (½ inch) of the termination point.
4. All UTP cables shall have no more than 12.7mm (½ inch) of pair untwist at the termination point.
5. Data jacks, unless otherwise noted in drawings, shall be located in the top position(s) of each faceplate. Data jacks in horizontally oriented faceplates shall occupy the left-most position(s).
6. Voice jacks, unless otherwise noted in drawings, shall occupy the next position(s) below the data on the faceplate. Voice jacks in horizontally oriented faceplates shall occupy the position left of the data jack.
7. Video jacks, unless otherwise noted in drawings, shall occupy the bottom position(s) on the faceplate. Video jacks in horizontally oriented faceplates shall occupy the position left of the data/voice jack.
8. All faceplates installed shall be level.
9. All outlets will be labeled according to the approved labeling scheme.
10. Each faceplate shall be machine labeled. The labeling shall be placed on the faceplate so that the individual jack can be clearly identified by its associated label.
11. Cables shall be identified by a self-adhesive label in accordance with the Identification and Labeling section of this specification and ANSI/TIA/EIA-606. The cable label shall be applied to the cable no further than 6" behind termination module, behind the faceplate on a section of cable that can be accessed by removing the cover plate.

B. Horizontal Distribution Cable Installation

1. Cable shall be installed in accordance with manufacturer's recommendations and best industry practices.
2. Tie Wraps will not be allowed for supporting, bundling and/or dressing of any station cables on this project.
3. Contractor will provide a three foot "service loop" for all station cables. The service loop will be coiled and secured using Velcro in the accessible ceiling at the conduit stub to the work area outlet box.
4. A pull cord (nylon; 1/8" minimum) shall be co-installed with all cable installed in all "common" conduit runs. "Common" Conduit Runs are those that house more than one cable or set of cables that do not specifically feed a Work Station Outlet. Examples of "Common" Conduit Runs are: floor/ceiling penetrations, stub-throughs, distribution conduits, all conduits between J-boxes, etc.
5. Cable raceways shall not be filled greater than the TIA/EIA-569-A maximum fill for the particular raceway type or 40%.
6. Cables shall be installed in continuous lengths from origin to destination (no splices) except for transition points, or consolidation points.
7. The cable's minimum bend radius and maximum pulling tension shall not be exceeded.
8. Pulling tension on 4-pair UTP cables shall not exceed 25-lb for a four-pair UTP cable.
9. The Cable Support System shall be installed in such away that will allow for future cables to be added and to provide sufficient protection of all cable.
10. For all installs where station cables are not installed in a continuous conduit run the following guidelines will apply. The Contractor will be responsible to reinstall all cables and pathways that do not meet with the following at no additional cost to the Owner:
11. J-hooks shall be installed to support all station cables every 4ft to 5ft.
12. All pathways shall be run at right angles. No diagonal pathways will be allowed unless otherwise noted on the drawings.
13. Horizontal cables shall be bundled in groups of no more than 25 cables per Cooper B-Line's BCH21 J-hook, no more than 40 cables per Cooper B-Line's BCH32 J-hook, and no more than 64 cables per Cooper B-Line's BCH64 J-hook.
14. At no point shall cable(s) rest on acoustic ceiling grids, acoustic panels, or lighting fixtures.

15. All cables will be installed so that there is a minimum of 3” of clearance above all ceiling grid and tiles.
16. All cables will be installed so that there is a minimum of 12” of clearance above all florescent lighting.
17. All cables will be installed so that there is a minimum of 6” of clearance from all fire alarm and electrical system conduits.
18. Cables shall not be attached to the ceiling grid or lighting fixture wires. The contractor will provide their own carriers wires to support their horizontal cabling.
19. All cables shall be installed above fire-sprinkler systems and plumbing system fixtures and devises. Cables shall not be attached to or supported by these fixtures and/or their ancillary equipment or hardware.
20. The cable system and support hardware shall be installed so that it does not obscure any valves, fire alarm conduit, boxes, or other control devices.
21. Contractor is responsible for sealing around all cables that penetrate fire rated barriers.
22. Any cable damaged or exceeding recommended installation parameters during installation shall be replaced by the contractor prior to final acceptance at no cost to the Owner.

C. Horizontal Cross-Connect Installation

1. Cables shall be dressed and terminated in accordance with the recommendations made in the TIA/EIA-568-A standard, manufacturer's recommendations and best industry practices.
2. The cable jacket shall be maintained to within 12.7mm (½ inch) of the termination point.
3. All UTP cables shall have no more than 12.7mm (½ inch) of pair untwist at the termination point.
4. Bend radius of the cable in the termination area shall not exceed 4 times the outside diameter of the cable.
5. All cables shall be neatly bundled and dressed continuously from the entrance point of the Telecommunications Room to their respective panels or blocks. Each panel or block shall be fed by an individual bundle separated and dressed back to the point of cable entrance into the rack or frame. Contractor will use Velcro strip to bundle cables together. The use of Tie –Wraps is not permitted.
6. Each cable shall be clearly labeled on the cable jacket behind the patch panel at a location that can be viewed without removing the bundle support ties. Cables labeled within the bundle, where the label is obscured from view shall not be acceptable.

D. Backbone Cable Installation

1. Backbone cables shall be installed separately from horizontal distribution cables.
2. Where possible the backbone and horizontal cables shall be installed in separate conduits.
3. Where backbone cables and distribution cables are installed in a cable tray or wireway, backbone cables shall be installed first and bundled separately from the horizontal distribution cables.
4. Pulling tension on Backbone cables shall not exceed the manufacture’s limitations.
5. The minimum bend radius for all Backbone cables is 16 times the cable diameter or the manufactures specification, whichever is greater.
6. All OSP cables may not penetrate more than 50ft into the buildings before be terminated or splices to cable with a fire resistant jacket, unless the jacket is indoor/outdoor rated.
7. A pull cord (nylon; 1/8" minimum) shall be co-installed with all cable installed in any conduit.
8. A pull cord (nylon; 1/8" minimum) shall be installed with all empty OSP and Entrance Facility conduit.
9. All backbone cables shall be securely fastened to the sidewall of the TR on each floor.

10. Backbone cables spanning more than three floors shall be securely attached at the top of the cable run with a wire mesh grip and on alternating floors or as required by local codes.
11. Vertical runs of cable shall be supported to messenger strand, cable ladder, or other method to provide proper support for the weight of the cable.
12. Large bundles of cables and/or heavy cables shall be attached using metal clamps and/or metal banding to support the cables.

E. Backbone Cross-Connect Installation

1. Cables shall be dressed and terminated in accordance with the recommendations made in the TIA/EIA-568-A document, manufacturer's recommendations and best industry practices.
2. Bend radius of the cable in the termination area shall not exceed 16 times the outside diameter of the cable.
3. All cables shall be neatly bundled and dressed continuously from the entrance point of the Telecommunications Room to their respective panels or blocks.
4. Contractor will provide a minimum of a 3 foot "service loop" for each backbone cable before terminating to allow future rearrangement. Cables will be coiled and secured above the ceiling where possible or to the Telco Backboard where entrance point is from the floor.
5. Wall mounted termination block fields shall be installed with the lowest edge of the mounting frame 18" from the finished floor.
6. Contractor shall provide a machine label 1ft. to 2ft. from the entrance point of the TR and 6in. to 12in. from the termination point on each backbone cable. Cable shall be easily identified and fully legible without removing the bundle support ties.

F. Cabinets, Racks, Enclosures and Ladder Rack Installation

1. Wall Mount Racks/Cabinets shall be securely attached to the Telco Backboard using minimum 3/8" hardware or as required by local codes.
2. Floor Mount Racks/Cabinets shall be securely attached to the concrete floor using minimum 3/8" drop-in anchor hardware or as required by local codes.
3. All Floor Mount Racks/Cabinets will be either; secured on one side to the wall or attached to the closest wall with ladder rack.
4. All Racks/Cabinets shall be braced to meet Zone 4 seismic requirements.
5. Contractor will maintain a minimum of 36 inches of clearance from the front of the all rack/cabinets and all other obstructions.
6. Floor Mount Racks/Cabinets shall be installed to allow for a minimum of 36" from rear and all other obstructions.
7. All racks shall be grounded to the telecommunications ground bus bar.
8. Rack mount screws not used for installing patch panels and other hardware shall be bagged and left with the rack upon completion of the installation.
9. The plywood bottom edge shall be mounted vertically no less than 12" above the finished floor.
10. Contractor will provide all cutouts for the Electrical Contractors expansion rings and electric receptacles as shown on the drawings.
11. Ladder Rack must be securely attached to walls, backboards, and racks/cabinets to comply with all Zone 4 seismic requirements.
12. Ladder rack shall be installed so that there is a minimum of 8" of unobstructed clearance above rack.
13. Ladder Rack shall be installed so that there is a minimum of 12" of clearance from all: florescent lighting, electrical conduits/circuits, and fire alarm conduits/devices.

3.2 Identification and Labeling

A. General Requirements

1. The contractor shall develop and submit for approval a labeling system for the cable installation. The Owner will negotiate an appropriate labeling scheme with the successful contractor.
2. The approved system will comply with the TIA/EIA -606-A Class 2 designations and include at a minimum, identifiers for all major components of the system: telecommunication rooms, grounding bus bars, racks, cables, panels and outlets. The labeling system shall designate the cables origin and destination and a unique identifier for the cable within the system. Racks and patch panels shall be labeled to identify the location within the cable system infrastructure.
3. All label printing will be machine generated or hand-held printers using indelible ink ribbons or cartridges. Self-laminating labels will be used on cable jackets, appropriately sized to the OD of the cable, and placed within view at the termination point on each end. Outlet, patch panel and wiring block labels shall be installed on, or in, the space provided on the device.
4. All labeling information shall be recorded on the as-built drawings and all test documents shall reflect the appropriate labeling scheme.

3.3 Testing and Acceptance

A. General

1. All cables and termination hardware shall be 100% tested for defects in installation and to verify cabling system performance under installed conditions according to the requirements of ANSI/TIA/EIA-568-A Addendum 5, TSB-67 and TSB-95. All pairs of each installed cable shall be verified prior to system acceptance. Any defect in the cabling system installation including but not limited to cable, connectors, feed through couplers, patch panels, and connector blocks shall be repaired or replaced in order to ensure 100% useable conductors in all cables installed.
2. All cables shall be tested in accordance with this document, the ANSI/TIA/EIA standards, the Manufacturer's Warranty guidelines and best industry practice. If any of these are in conflict, the Contractor shall bring any discrepancies to the attention of the project team for clarification and resolution.
3. Contractor will notify the Owner/Owner's Representative 72 hours before commencement of testing.
4. Upon receipt of the test documentation, the Customer reserves the right to have the contractor perform a 10% witnessed "spot testing" of the cabling system to validate test results provided in the test document, at no additional cost. If a significant amount of cables are marginal and/or fail during the "spot test" Contractor will retest the entire cable plant at no additional cost.

B. Copper Cable Testing

1. Twisted Pair Cable
 - All twisted-pair copper cable links (including backbone cables) shall be tested for continuity, pair reversals, shorts, opens and performance as indicated below.
 - Continuity - Each pair of each installed cable shall be tested using a test unit that shows opens, shorts, polarity and pair-reversals, crossed pairs and split pairs. Shielded/screened cables shall be tested with a device that verifies shield continuity in addition to the above stated tests. The test shall be recorded as pass/fail as

indicated by the test unit in accordance with the manufacturers' recommended procedures, and referenced to the appropriate cable identification number and circuit or pair number. Any faults in the wiring shall be corrected and the cable re-tested prior to final acceptance.

- Length - Each installed cable link shall be tested for installed length using a TDR type device. The cables shall be tested from patch panel to patch panel, block to block, patch panel to outlet or block to outlet as appropriate. The cable length shall conform to the maximum distances set forth in the ANSI/TIA/EIA-568-A Standard. Cable lengths shall be recorded, referencing the cable identification number and circuit or pair number. For multi-pair cables, the shortest pair length shall be recorded as the length for the cable.

2. Category 6 Performance

- Follow the Standards requirements established in:
 - ANSI/TIA/EIA-568-A -TSB-67
 - Wire Map
 - Length
 - Attenuation
 - NEXT (Near end crosstalk)
 - · ANSI/TIA/EIA-568-A -TSB-95
 - Return Loss
 - ELFEXT Loss
 - Propagation Delay
 - Delay skew
 - · ANSI/TIA/EIA-568-A, Amendment 5.
 - PSNEXT (Power sum near-end crosstalk loss)
 - PSELFEXT (Power sum equal level far-end crosstalk loss)
- A Level III or better test unit is required to verify category 6 performances and must be updated to include the requirements of TSB-95 and Amendment 5. Testers will be equal to Fluke Network's DXT CableAnalyzer™ Series.
- All testers shall have been recalibrated with 6 months of use on this project. Contractor will be asked to provide proof of recalibration.
- Test results shall be automatically evaluated by the equipment, using the most up-to-date criteria from the TIA/EIA Standard, and the result shown as pass/fail. The approved Level Three tester shall provide a printed document for each test that is also available in a downloadable file using an application from the test equipment manufacturer. The printed test results shall include a print out of all tests performed, and the individual test results for each cable.

C. Fiber Optic Cable Testing

1. 50/125μ Backbone Fiber

- Each fiber strand shall be tested for attenuation with an Optical Power Meter and light source and with an Optical Time Domain Reflectometer (OTDR) for actual length and splice/connector loss. Cable length shall be verified using sheath markings. The guidelines and procedures established for Tier 1 testing in TIA/TSB-140 shall apply.
- All fiber optic cables shall be tested from the site's MDF to each fiber terminals located in the IDF. The results of OTDR testing to define the length of each riser cable shall be documented. The Contractor shall conduct a power meter (loss) test

of each fiber optic station and riser cable at both wavelengths, 850/1300nm for MM and 1310/1550nm for SM, A to B, B to A, and OSPL (OSPL is defined as $L_a + L_b$). No individual station or riser fiber link segment (including connectors) shall measure more than 2.0 dB loss. Tests shall be conducted using ANSI/EIA/TIA/EIA-526-14A, Method B. Test results evaluation for the panel to panel (backbone) shall be based on the values set forth in ANSI/TIA/EIA-568-B.1. The Contractor shall provide an electronic printout for each strand tested with the Power Meter and the OTDR.

- Where concatenated links are installed to complete a circuit between devices, the Contractor shall test each link from end to end to ensure the performance of the system. After the link performance test has been successfully completed, each link shall be concatenated and tested. The test method shall be the same used for the test described above. The evaluation criteria shall be established between the Owner and the Contractor prior to the start of the test.
- All installed cables must meet or exceed the defined standards for performance. The Contractor shall take all steps necessary to repair or replace any optic not meeting the standard.
- Fiber optic riser and station cable test results shall be provided in electronic format to the Owner.

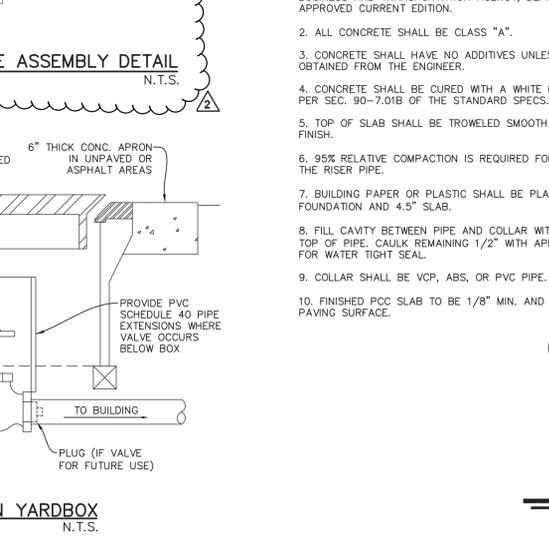
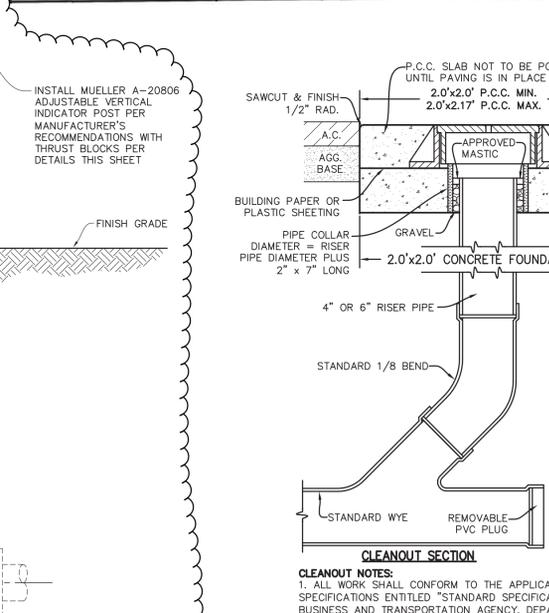
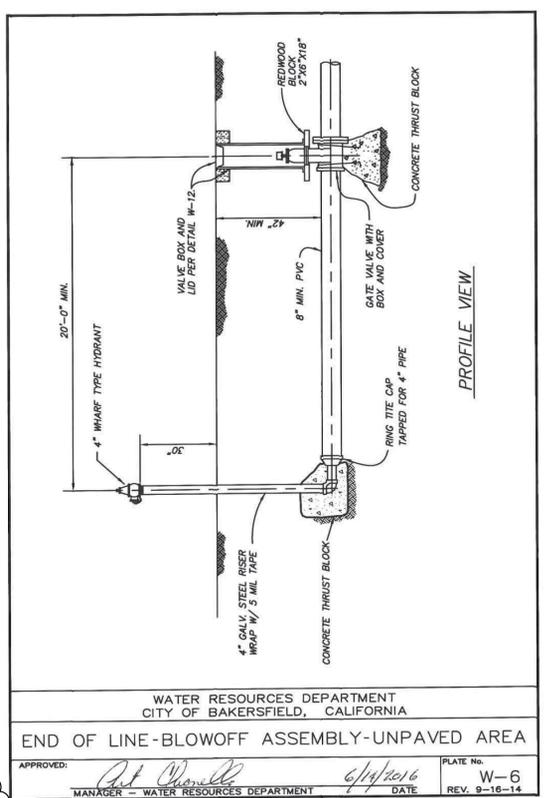
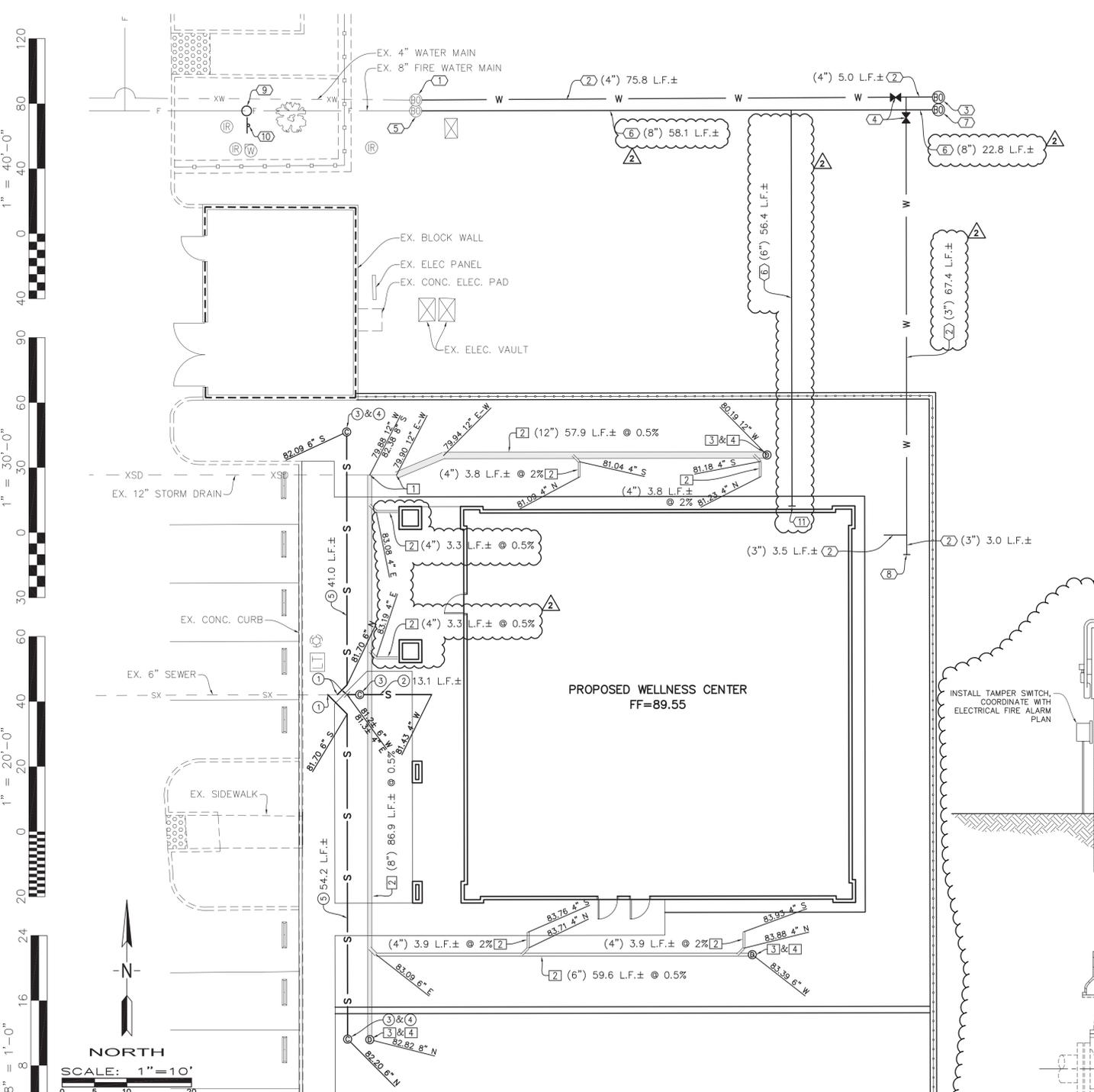
3.4 System Closeout and As-built Documentation

A. General Requirements

1. Upon completion of the installation, the telecommunications contractor shall provide three (3) full documentation sets to the Owner's Representative/Engineer for approval. One (1) to be a hardcopy and two (2) to be electronic copies. Documentation shall include the items detailed in the sub-sections below.
2. Documentation shall be submitted within ten (10) working days of the completion of each testing phase. This is inclusive of all test results and draft as-built drawings. Draft drawings may include annotations done by hand. Machine generated (final) copies of all drawings shall be submitted within 30 calendar days of the completion of each testing phase. At the request of the Owner's Representative/Engineer, the telecommunications contractor shall provide copies of the original test results.
3. The Owner's Representative/Engineer will request that a 10% random field re-test be conducted on the cable system, at no additional cost, to verify documented findings. Tests shall be a repeat of those defined above. If findings contradict the documentation submitted by the telecommunications contractor, additional testing can be requested to the extent determined necessary by the Engineer, including a 100% re-test. This re-test shall be at no additional cost to the Owner.
4. Test Results documentation shall be provided in two media, as listed above, one (1) hardcopy and one (1) on disk within three weeks after the completion of the project. The documentation shall be clearly marked on the outside front cover with the words "Project Test Documentation", the project name, and the date of completion (month and year). The results shall include a record of test frequencies, cable type, conductor pair and cable (or outlet) I.D., measurement direction, reference setup, and crew member name(s). The test equipment name, manufacturer, model number, serial number, software version and last calibration date will also be provided at the end of the document. Unless the manufacturer specifies a more frequent calibration cycle, an bi-annual calibration cycle is anticipated on all test equipment used for this installation. The test document shall detail the test method used and the specific settings of the equipment during the test as well as the software version being used in the field test equipment.
5. Printouts generated for each cable by the wire test instrument shall be submitted as part of the documentation package.

6. When repairs and re-tests are performed, the problem found and corrective action taken shall be noted, and both the failed and passed test data shall be documented.
7. The As-Built drawings are to include cable routes, outlet locations and the approved labeling identifiers. Their sequential number as defined elsewhere in this document shall identify outlet locations. Numbering, icons, and drawing conventions used shall be consistent throughout all documentation provided. The Owner will provide floor plans in paper and electronic (DWG, AutoCAD 2008) formats on which as-built construction information can be added. These documents will be modified accordingly by the telecommunications contractor to denote as-built information as defined above and returned to the Owner.
8. Contractor will provide one laminated 11"x17" drawing at each IDF that includes the building layout for that IDF, along with the outlet locations and all of the approved labeling.

END OF SECTION



WATER CONSTRUCTION NOTES

- TIE INTO EXISTING DOMESTIC WATER LINE, SALVAGE AND RELOCATE BLOWOFF ASSEMBLY. CONTRACTOR SHALL VERIFY EXACT LOCATION OF WATER LINE IN FIELD AND NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES.
- INSTALL PVC DOMESTIC WATER LINE, SIZE AND DISTANCE SHOWN IN PLAN VIEW.
- STUB FOR FUTURE EXTENSION AND RE-INSTALL END OF LINE BLOWOFF ASSEMBLY PER C.O.B. STD. PLATE W-6.
- INSTALL WATER VALVE PER DETAIL (C1).
- TIE INTO EXISTING FIRE WATER MAIN, SALVAGE AND RELOCATE BLOWOFF ASSEMBLY. CONTRACTOR SHALL VERIFY EXACT LOCATION AND SIZE IN FIELD PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- INSTALL C900 PVC FIRE WATER LINE, SIZE AND DISTANCE SHOWN IN PLAN VIEW. INSTALL THRUST BLOCK PER DETAIL (C1).
- STUB FOR FUTURE EXTENSION AND RE-INSTALL END OF LINE BLOWOFF ASSEMBLY PER C.O.B. STD. PLATE W-6.
- STUB AND PLUG FOR FUTURE CONNECTIONS.
- INSTALL POST INDICATOR VALVE PER DETAIL (A).
- INSTALL SIGN AT POST INDICATOR VALVE WITH "WELLNESS CENTER POST INDICATOR VALVE."
- SEE FIRE SPRINKLER PLANS FOR CONTINUATION AND FIRE RISER SPOIGOT DETAIL.

SEWER CONSTRUCTION NOTES

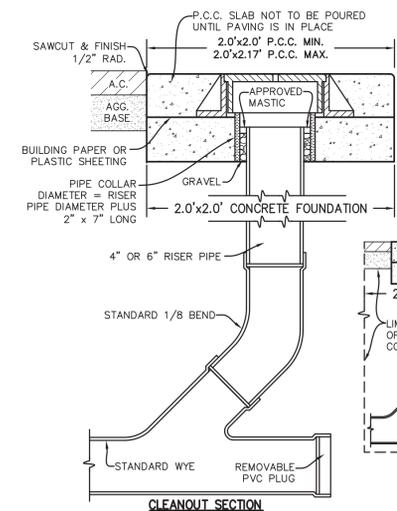
- TIE INTO EXISTING 6" SEWER STUB, REMOVE APPROXIMATELY 5 L.F. OF SEWER LINE AND INSTALL WYE. CONTRACTOR SHALL VERIFY EXACT LOCATION AND DEPTH OF EXISTING SEWER IN FIELD AND NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES.
- INSTALL 4" PVC SEWER AT MINIMUM 1.0% SLOPE, DISTANCES SHOWN IN PLAN VIEW.
- CONSTRUCT SEWER CLEANOUT PER DETAIL (B).
- STUB AND PLUG FOR FUTURE EXTENSION.
- INSTALL 6" PVC SEWER AT MINIMUM 1% SLOPE, DISTANCE SHOWN IN PLAN VIEW.

STORM DRAIN CONSTRUCTION NOTES

- TIE INTO EXISTING STORM DRAIN. CONTRACTOR SHALL VERIFY EXACT LOCATION OF WATER LINE IN FIELD AND NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES.
 - INSTALL PVC OR HDPE STORM DRAIN, SIZE, DISTANCE, AND SLOPE IN PLAN VIEW.
 - CONSTRUCT STORM DRAIN CLEANOUT PER DETAIL (B). LID SHALL BE MARKED "DRAIN".
 - STUB AND PLUG FOR FUTURE CONNECTIONS.
- NOTE: 1. ADD 300' TO ALL DESIGN ELEVATIONS.
 2. LATERAL CONNECTIONS TO MAINS THAT DO NOT OCCUR IN JUNCTION BOXES SHALL BE MADE WITH 45° ELLS OR WYES FOR CLEANOUT PURPOSES.
 3. STUB SEWER, WATER, AND STORM DRAIN TO 5' FROM THE BUILDING. BUILDING PLUMBER TO MAKE FINAL CONNECTION TO BUILDING PLUMBING. VERIFY BUILDING POINTS OF CONNECTION WITH BUILDING PLANS.

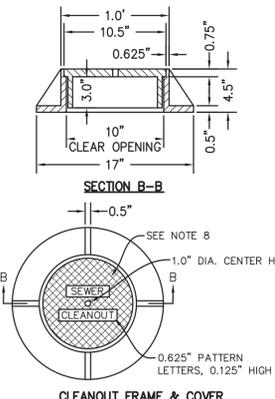
NOTE TO CONTRACTOR

ALL MANHOLES AND CLEANOUTS WITHIN PROJECT LIMITS, INCLUDING EXISTING MANHOLES, SHALL BE ADJUSTED TO FINISH GRADE IN ACCORDANCE WITH CITY OF BAKERSFIELD STANDARDS. EXISTING MANHOLES MAY REQUIRE REMOVAL OF EXISTING CONE, AND REMOVAL OR "CHANGE OUT" OF BARREL RINGS.



CLEANOUT SECTION

- CLEANOUT NOTES:**
- ALL WORK SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE SPECIFICATIONS ENTITLED "STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, BUSINESS AND TRANSPORTATION AGENCY, DEPARTMENT OF TRANSPORTATION", APPROVED CURRENT EDITION.
 - ALL CONCRETE SHALL BE CLASS "A".
 - CONCRETE SHALL HAVE NO ADDITIVES UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE ENGINEER.
 - CONCRETE SHALL BE CURED WITH A WHITE PIGMENTED CURING COMPOUND PER SEC. 90-7.01B OF THE STANDARD SPECS.
 - TOP OF SLAB SHALL BE TROWELED SMOOTH AND GIVEN A LIGHT BROOM FINISH.
 - 95% RELATIVE COMPACTION IS REQUIRED FOR ALL BACKFILL WITHIN 24" OF THE RISER PIPE.
 - BUILDING PAPER OR PLASTIC SHALL BE PLACED BETWEEN THE 6" CONCRETE FOUNDATION AND 4.5" SLAB.
 - FILL CAVITY BETWEEN PIPE AND COLLAR WITH GRAVEL TO WITHIN 1/2" OF TOP OF PIPE. CAULK REMAINING 1/2" WITH APPROVED MASTIC TO TOP OF PIPE FOR WATER TIGHT SEAL.
 - COLLAR SHALL BE VCP, ABS, OR PVC PIPE.
 - FINISHED PCC SLAB TO BE 1/8" MIN. AND 1/4" MAX. BELOW FINISHED PAVING SURFACE.



CLEANOUT FRAME & COVER

- CLEANOUT COVER NOTES:**
- ALL FRAMES AND COVERS SHALL BE TESTED FOR ACCURACY OF FIT AND SHALL BE MARKED IN SETS PRIOR TO DELIVERY.
 - THE SEATS OF FRAMES AND BEARING FACES OF THE COVERS SHALL BE MACHINED FOR A SMOOTH NON-ROCKING FIT BETWEEN THE TWO CASTINGS.
 - CASTINGS SHALL BE THOROUGHLY CLEANED AND DIPPED TWICE IN A QUICK-DRYING, JET-BLACK ASPHALTIC COMPOUND TO PROVIDE A PROTECTIVE COATING.
 - ALL FRAMES AND COVERS SHALL BE GRAY CAST IRON, FREE FROM WARPS, CRACKS, HOLES, SWELLS AND COLD-SHOT, AND SHALL HAVE A WORKMANLIKE FINISH. HIGHWAY LOADING SHOULD BE HS 20-44.
 - CASTING SHALL CONFORM TO THE PROVISIONS OF THE SPECIFICATIONS FOR GRAY-IRON CASTINGS, SERIAL DESIGNATION ASTM: A-48 (LATEST REVISION), CLASS No. 30B.
 - THE NAME OF THE MANUFACTURING COMPANY SHALL BE ON THE UNDERSIDE OF THE COVER.
 - ASSEMBLY SHALL BE DESIGNED FOR HIGHWAY LOADING OF HS 20-44.
 - 2.0"x1.0" DIAMOND MAT 0.125" DEEP.

SEWER CLEANOUT DETAIL



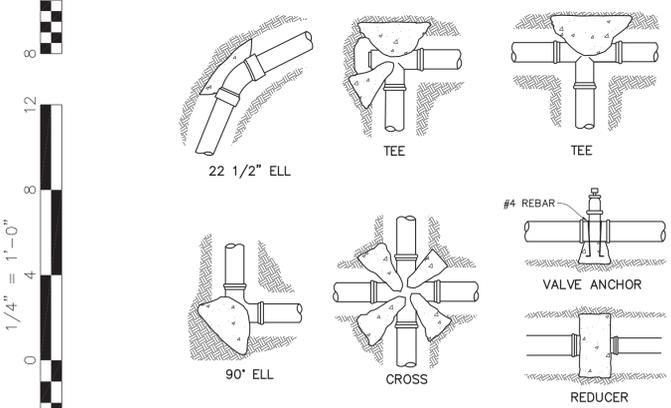
THRUST BLOCK SCHEDULE
BEARING AREA IN SQUARE FEET

PIPE SIZE	TEE OR PLUG	90° ELL	45° ELL	22 1/2° ELL	CROSS	VALVE
4"	2	2	2	1	-	-
6"	3	4	2	2	1.5 EA.	3.0
8"	5	7	4	2	3.0 EA.	5.5
10"	8	11	6	3	4.5 EA.	9.0
12"	11	16	8	4	6.5 EA.	13.0
16"	16	23	13	7	8.0 EA.	16.0

- NOTES:**
- ALL VALVES, FITTINGS AND DIRECTIONAL CHANGES ARE TO BE HELD IN PLACE BY CONCRETE THRUSTS.
 - BEARING AREAS INDICATED ARE BASED ON ALLOWABLE SOIL PRESSURE OF 1500 PSF.
 - CONCRETE IS NOT TO BEAR AGAINST PIPE. THRUST BLOCK TO ONLY BE IN CONTACT WITH FITTING.
 - THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
 - JOINT SHALL BE KEPT CLEAR OF CONCRETE.
 - CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.

TYPICAL THRUST BLOCK DETAILS

N.T.S.



TYPICAL THRUST BLOCK DETAILS

N.T.S.

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 03-122605 INC: 0
REVIEWED FOR
SS FLS ACS
DATE: 01/27/2025



BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD, CA 93305

WELLNESS CENTER

Project Name:
WELLNESS CENTER
1100 CITADEL STREET
BAKERSFIELD, CA 93307



integrated designs
by SOMAM, Inc.
ARCHITECTURE ENGINEERING INTERIOR DESIGN
6011 N. FRESNO STREET, SUITE 130
FRESNO CALIFORNIA 93710
P:(559) 436-0881 F:(559) 436-0887
E: design@somam.com
integrateddesigns.com

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SEWER, WATER & STORM DRAIN PLAN

Job No.: **5527**
Sheet No.: **C1.1**
Release: ADDENDUM 2 10/21/24

PORTER & ASSOCIATES, INC.
ENGINEERING & SURVEYING
4733 Centennial Plaza Way, Suite A
Bakersfield, California 93312
661.327.0362

MATERIAL AND FINISH SCHEDULE

Room No.	ROOM NAME	FLOOR	MATERIAL AND FINISH SCHEDULE															REMARKS			
			BASE			WAINSCOT			WALLS						CEILING						
			MAT	FIN	HT	MAT	FIN	HT	NORTH	EAST	SOUTH	WEST	MAT	FIN	HT						
101	LOBBY	VCT	FF	RTB	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
102	UNSEX TOILET	CT	FF	CTB	FF	6"	-	-	-	CT	FF	CT	FF	CT	FF	CT	FF	GB	P	9'-0"	
103	NURSES OFFICE	SV	FF	SV	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
104	UNSEX TOILET	CT	FF	CTB	FF	6"	-	-	-	CT	FF	CT	FF	CT	FF	CT	FF	GB	P	9'-0"	
105	MEDICAL ASSISTANT OFFICE	SV	FF	SV	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	Z	
106	EXAM ROOM	SV	FF	SV	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
107	EXAM ROOM	SV	FF	SV	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
108	EXAM ROOM	SV	FF	SV	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
109	EXAM ROOM	SV	FF	SV	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
110	OPTICAL ROOM	SV	FF	SV	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
111	JANTOR CLOSET	SV	FF	SV	FF	4"	FRP	FF	4'-0"	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
112	OPTICAL ROOM	SV	FF	SV	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
113	LAUNDRY ROOM	SV	FF	SV	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
114	UNSEX TOILET	CT	FF	CTB	FF	6"	-	-	-	CT	FF	CT	FF	CT	FF	CT	FF	GB	P	9'-0"	
115	BREAK ROOM	VCT	FF	RTB	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
116	OFFICE	OPT	FF	RTB	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
117	OFFICE	OPT	FF	RTB	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
118	HALLWAY	VCT	FF	RTB	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
119	HALLWAY	VCT	FF	RTB	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
120	HALLWAY	VCT	FF	RTB	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
121	TRAINING ROOM	OPT	FF	RTB	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
122	ELECT./SERVER ROOM	VCT	FF	RTB	FF	4"	-	-	-	PW/GB	P	GB	P	PW/GB	P	PW/GB	P	SAT	FF	9'-0"	PW/GB: 1/2" PLY WD of GYP BD 2
123	STORAGE ROOM	VCT	FF	RTB	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	
124	THERAPY ROOM	OPT	FF	RTB	FF	4"	-	-	-	GB	P	GB	P	GB	P	GB	P	SAT	FF	9'-0"	

DOOR SCHEDULE

DOOR NO.	TYPE	DOOR OPENING SIZE	DOOR				FRAME		GLASS	LOUVER	UL	HARDWARE	DETAILS				REMARKS
			THK	MAT	CORE	FIN.	MAT	FIN.	SIZE	SIZE	RAT'G	NO.	HEAD	JAMB	JAMB	SILL	
101A	A	3'-0" X 7'-0"	1-3/4"	MTL	INSUL	P	HM	P	FULL	-	-	5	1/A7.01	2/A7.01	2/A7.01	3/A7.01	
101B	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	6X30	-	-	6	2/A8.02	3/A8.02	3/A8.02	-	
102	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	3	2/A8.02	3/A8.02	3/A8.02	-	
103	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	2	2/A8.02	3/A8.02	3/A8.02	-	
104	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	3	2/A8.02	3/A8.02	3/A8.02	-	
105	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	1	2/A8.02	3/A8.02	3/A8.02	-	
106	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	1	2/A8.02	3/A8.02	3/A8.02	-	
107	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	1	2/A8.02	3/A8.02	3/A8.02	-	
108	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	1	2/A8.02	3/A8.02	3/A8.02	-	
109	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	1	2/A8.02	3/A8.02	3/A8.02	-	
110	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	1	2/A8.02	3/A8.02	3/A8.02	-	
111	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	4	2/A8.02	3/A8.02	3/A8.02	-	
112	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	1	2/A8.02	3/A8.02	3/A8.02	-	
113	B	3'-0" X 7'-0"	1-3/4"	MTL	INSUL	P	HM	P	-	-	-	4	1/A7.01	2/A7.01	2/A7.01	3/A7.01	
114	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	3	2/A8.02	3/A8.02	3/A8.02	-	
115	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	6X30	-	-	2	2/A8.02	3/A8.02	3/A8.02	-	
116	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	6X30	-	-	2	2/A8.02	3/A8.02	3/A8.02	-	
120	B	3'-0" X 7'-0"	1-3/4"	MTL	INSUL	P	HM	P	6X30	-	-	5	1/A7.01	2/A7.01	2/A7.01	3/A7.01	
121A	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	6X30	-	-	2	2/A8.02	3/A8.02	3/A8.02	-	
121B	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	6X30	-	-	2	2/A8.02	3/A8.02	3/A8.02	-	
122	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	4	2/A8.02	3/A8.02	3/A8.02	-	
123	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	-	-	-	4	2/A8.02	3/A8.02	3/A8.02	-	
124	B	3'-0" X 7'-0"	1-3/4"	WD	SC	FF	HM	P	6X30	-	-	2	2/A8.02	3/A8.02	3/A8.02	-	
125	B	3'-0" X 7'-0"	1-3/4"	MTL	INSUL	P	HM	P	-	-	-	4	1/A7.01	2/A7.01	2/A7.01	3/A7.01	

APPROVED
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APP: 03-122605 INC: 0
REVIEWED FOR
SS FLS ACS
DATE: 01/27/2025

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD, CA 93305

Project Name:
WELLNESS CENTER

Project Address:
WELLNESS CENTER
1100 CITADEL STREET
BAKERSFIELD, CA 93307


by SOMAM, Inc.
ARCHITECTURE ENGINEERING INTERIOR DESIGN
6011 N. FRESNO STREET, SUITE 130
FRESNO CALIFORNIA 93710
P:(559) 436-0881 F:(559) 436-0887
E: design@somam.com
integrateddesigns.com

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SCHEDULES

Job No.: **5527**
Sheet No.: **A0.01**

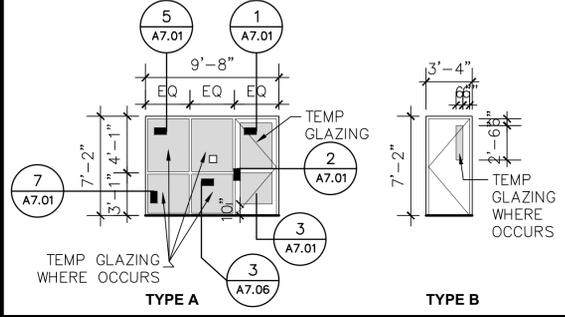
M&F NOTES

- ALL FLOOR PLAN ROOM NAMES AND NUMBERS ARE FOR CONSTRUCTION INFORMATION ONLY. THE CONTRACTOR SHALL COORDINATE ACTUAL ROOM NAMES & NUMBERS WITH THE OWNER AND ARCHITECT PRIOR TO ORDERING ANY ROOM SIGNAGE.
- SEE SPECIFICATIONS FOR ADDITIONAL FINISH MATERIAL INFORMATION.
- REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
- FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT AS PER CBC 11B-302.1
- ALL GLAZING TO COMPLY WITH CBC 2406.3
- GYP BOARD TEXTURE TO BE LIGHT SPAY PER SPECIFICATIONS

M&F ABBREVIATIONS

- SAT = SUSPENDED ACCOUSTICAL TILE CEILING
CPT = CARPET
CT = CERAMIC TILE
CTB = CERAMIC TILE W/INTEGRAL COVE
FF = FACTORY FINISH
FRP = FIBERGLASS REINFORCED PANELS
GB = GYPSUM BOARD
P = PAINT SYSTEM - SEE SPECIFICATIONS
RTB = RUBBER TOPSET BASE
PW = PLYWOOD
* SEE SPECIFICATIONS

DOOR TYPES



DOOR ABBREVIATIONS

- FF FACTORY FINISH
HM HOLLOW METAL
INSUL INSULATED
L LAMINATED
P PAINT (SEE SPECS)
SC SOLID CORE
WD WOOD
MTL METAL
TEMP TEMPERED

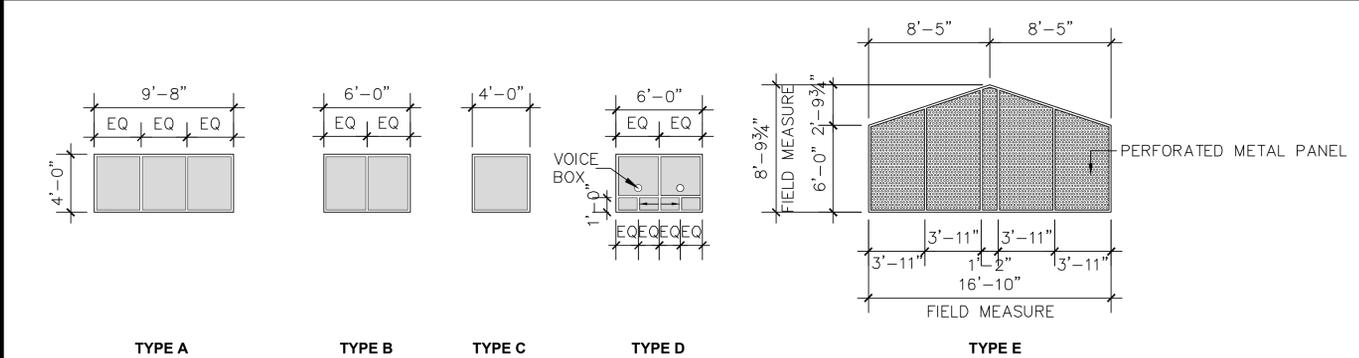
ACCESSIBILITY NOTE

- A. THE MAXIMUM EFFORT TO OPERATE EXTERIOR DOORS SHALL NOT EXCEED 5 POUNDS. CBC 11B-404.2.9 AT ACCESSIBLE ENTRANCES
B. CBC 1010.1.11 - NEW BUILDINGS ON A K-12 PUBLIC SCHOOL CAMPUS SHALL BE PROVIDED WITH LOCKS WHICH ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANT LOAD OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL CONFORM TO THE SPECIFICATION AND REQUIREMENTS OF SECTION 1010.1.3 EXCEPTIONS INCLUDE DOORS WHICH ARE NORMALLY LOCKED FROM THE OUTSIDE, RELOCATABLE MOVED WITHIN THE SAME CAMPUS, AND RECONSTRUCTION PROJECTS.

WINDOW SCHEDULE

TYPE	FRAME SIZE WIDTH X HEIGHT	FRAME		GLASS TYPE	FIRE RAT'G	DETAILS				REMARKS
		MAT	FIN			HEAD	JAMB	SILL	MULLION	
A	9'-8" X 4'-0"	HM	P	1" INSUL	-	5/A7.01	7/A7.01	7/A7.01	6/A7.01	
B	6'-0" X 4'-0"	HM	P	1" INSUL	-	5/A7.01	7/A7.01	7/A7.01	6/A7.01	
C	4'-0" X 4'-0"	HM	P	1" INSUL	-	5/A7.01	7/A7.01	7/A7.01	6/A7.01	
D	6'-0" X 4'-0"	HM	P	1/4"	-	10/A8.02	11/A8.02	11/A8.02	6/A7.01	W/ HORIZONTAL SLIDER
E	16'-10" X 8'-9 11/16"	HM	P	PERF	-	9/A7.02	10/A7.02	12/A7.02	11/A7.02	

WINDOW TYPES



ABBREVIATIONS

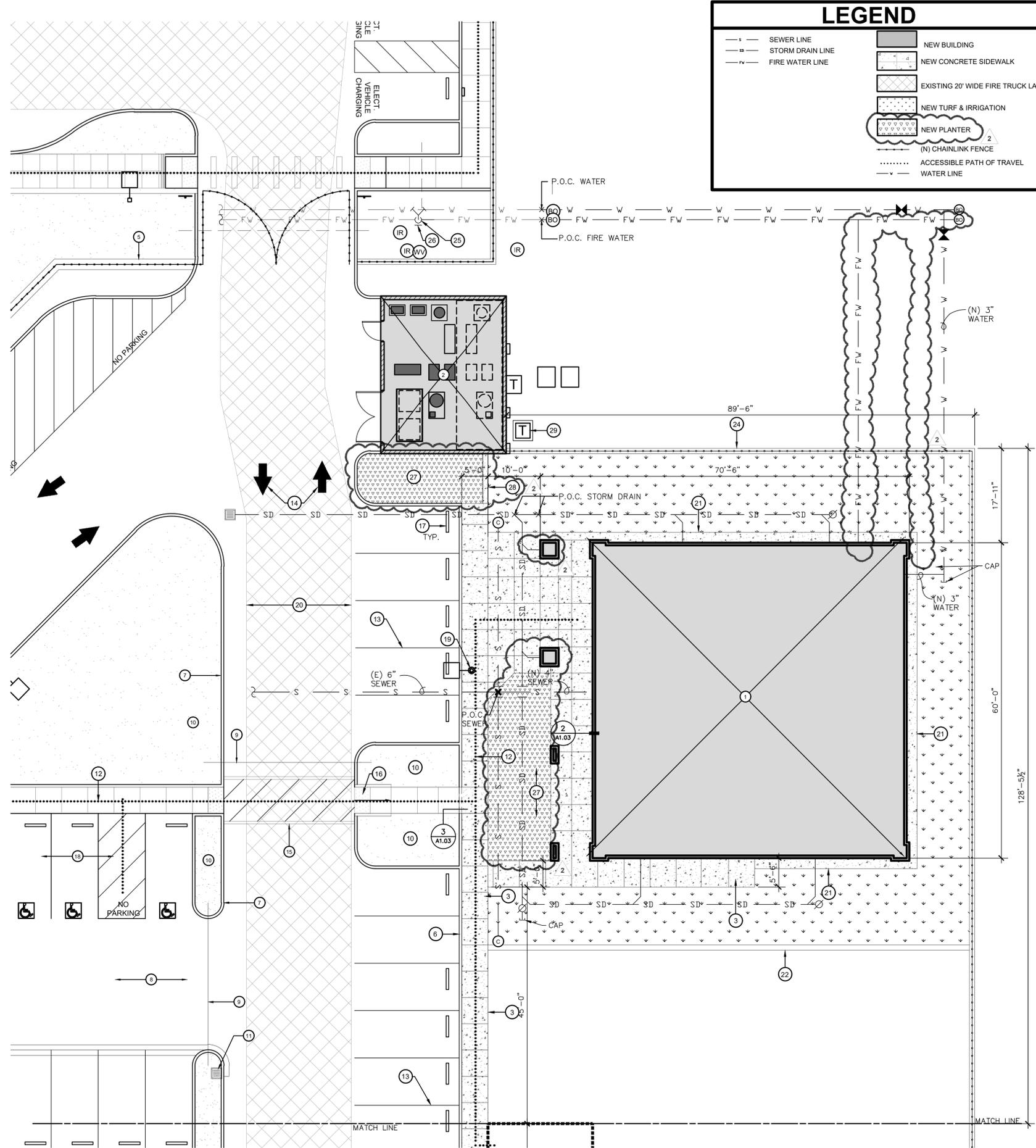
- HM HOLLOW METAL
P PAINT (SEE SPECS)
EQ EQUAL
PERF PERFORATED METAL PANEL - STAINLESS STEEL
INSUL INSULATED





ENLARGED SITE PLAN
WELLNESS CENTER

SCALE: 1" = 10'



LEGEND			
— s —	SEWER LINE		NEW BUILDING
— SD —	STORM DRAIN LINE		NEW CONCRETE SIDEWALK
— FW —	FIRE WATER LINE		EXISTING 20' WIDE FIRE TRUCK LANE
			NEW TURF & IRRIGATION
			NEW PLANTER
			(N) CHAINLINK FENCE
			ACCESSIBLE PATH OF TRAVEL
			WATER LINE

- ### KEY NOTES
- NEW BUILDING
 - EXISTING UTILITY YARD
 - NEW CONCRETE SIDEWALK, -SEE DETAIL 1/A1.03
 - NEW LANDSCAPE & IRRIGATION
 - (E) DECORATIVE STEEL FENCE
 - (E) CONCRETE CURB
 - (E) CONCRETE CURB PAINTED RED W/ "FIRE LANE" PAINTED IN WHITE PAINT AT 30'-0" O.C. ON TOP AND SIDE
 - (E) AC PAVING
 - IRRIGATION SLEEVE
 - (E) LANDSCAPING & IRRIGATION
 - (E) DRAIN INLET
 - DOTTED LINE INDICATES ACCESSIBLE PATH OF TRAVEL
 - (E) 4" WIDE PAINTED PARKING STALL STRIPING.
 - (E) PAINTED DIRECTIONAL ARROW
 - (E) PAINTED WHITE CROSSWALK STRIPING 12" WIDE SPACED 24" APART, 8' LONG.
 - (E) TRUNCATED DOMES
 - (E) WHEEL STOP
 - (E) ACCESSIBLE PARKING, -PER DSA#03-118394
 - (E) PARKING LOT LIGHT POLE AND BASE
 - (E) FIRE TRUCK ACCESS LANE 20'-0" WIDE
 - (N) CONCRETE MOWSTRIP, -SEE DETAIL 4/A1.03
 - (N) LANDSCAPE CURB
 - (N) CONCRETE CONTROL JOINT, -SEE 2/A1.03
 - (N) 8FT. HIGH CHAINLINK FENCING. SEE DETAIL 10/A1.03
 - (N) POST INDICATOR VALVE (PIV). REFER TO DETAIL 7/A1.03.
 - (N) PIV SIGN, -SEE C1.1.
 - (N) PLANTER, -SEE LANDSCAPE PLANS.
 - (N) CONCRETE MOWSTRIP, -SEE 4/L1.03.
 - (N) TRANSFORMER, -SEE ELECTRICAL.

- ### GENERAL NOTES
- GENERAL CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS PRIOR TO BID. IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED IN WRITING. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF LAYOUTS AND ESTABLISHED LOCATIONS OF BURIED UTILITY LINES. ANY UTILITIES REQUIRING RELOCATION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF LAYOUTS AND ESTABLISHED LOCATIONS OF BURIED UTILITY LINES. ANY UTILITIES REQUIRING RELOCATION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF LAYOUTS AND ESTABLISHED LOCATIONS OF BURIED UTILITY LINES. ANY UTILITIES REQUIRING RELOCATION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
 - GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY COMPACTION RETEST DUE TO INITIAL FAILURE.
 - PROJECT INSPECTOR SHALL BE EMPLOYED BY THE OWNER, APPROVED BY THE RESPONSIBLE ARCHITECT AND DSA.
 - A COPY OF TITLE-24, ALL PARTS APPLICABLE, TO BE KEPT AT THE JOB SITE AT ALL TIMES.
 - ADDENDA SHALL BE SIGNED BY THE ARCHITECT (RESPONSIBLE IN CHARGE) AND APPROVED BY DSA.
 - C.C.D.s SHALL BE SIGNED BY THE ARCHITECT (RESPONSIBLE IN CHARGE), OWNER AND APPROVED BY DSA.
 - TESTING LAB SHALL BE EMPLOYED BY THE OWNER, APPROVED BY THE RESPONSIBLE ARCHITECT AND DSA.
 - ALL WORK SURFACES DISTURBED OR DAMAGED BY THE CONSTRUCTION ACTIVITIES SHALL BE REPAIRED IN KIND, TEXTURED AND FINISHED TO MATCH ADJACENT SURFACES.
 - NEW CONCRETE WALKS SHALL HAVE SLOPES NOT TO EXCEED 1 IN 20 IN THE DIRECTION OF PATH OF TRAVEL. PROVIDE CONTROL JOINTS ("C.J.") AT 5'-0" o.c. MAX. AND EXPANSION JOINTS NOT TO EXCEED 30'-0" MAX. PROVIDE MEDIUM BROOM FINISH ON ALL WALKS.
 - ALL BUILDING AND ROOM NAMES INDICATED ON THESE CONSTRUCTION DOCUMENTS ARE "NOT" THE ACTUAL BUILDING ROOM SIGNAGE DESIGNATION. THE GENERAL CONTRACTOR SHALL FURNISH, INSTALL AND COORDINATE ALL REQUIRED SIGNAGE WITH THE OWNER/ARCHITECT PRIOR TO STARTING CONSTRUCTION.
 - GENERAL CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE RELOCATABLE BUILDING DELIVERY DATES TO THE SCHOOL SITE WITH THE MFGR.
 - THE GENERAL CONTRACTOR SHALL CONSTRUCT ALL NEW RELOCATABLE BUILDING FOUNDATIONS AS PER THE RELOCATABLE BUILDING MANUFACTURER'S DRAWINGS AND SPECIFICATIONS.
 - THE GENERAL CONTRACTOR SHALL PROVIDE ALL HOOD-UPS TO THE RELOCATABLE BUILDINGS AFTER INSTALLATION HAS BEEN COMPLETED BY THE MANUFACTURER.
 - 5'-0" DEEP x 5'-0" WIDE MINIMUM LANDINGS AT DOORWAYS SHALL BE AS DETAILED AND SHALL HAVE SLOPES (IN ANY DIRECTION) OF NOT GREATER THAN 1/4 IN 12 SLOPE. SLOPES SHALL BE AWAY FROM DOORWAYS.
 - GENERAL SITE CONTRACTOR SHALL FIELD VERIFY THAT EXISTING PATH OF TRAVEL (P.O.T.) IS A MINIMUM OF 4'-0" WIDE AND IS SLIP RESISTANT. IF IT IS NOT, THEN THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF RECORD AND A REMEDY OR ALTERNATE P.O.T. WILL BE PROVIDED.
 - THE MAXIMUM DROP BETWEEN EXISTING FINISHED GRADES AND THE TOP OF THE P.O.T. SHOULD NOT EXCEED 4". IF IT DOES, PROVIDE THE NECESSARY WARNING CURB PER CBC SEC. 11B-303.5.
 - DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION:
- IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A C.C.D. OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.
- *PER DSA IR 16-1, SEC. 5.4
- S. CONTRACTOR SHALL ADJUST ALL DOOR CLOSERS TO A MAXIMUM OPENING FORCE OF 5 LBF

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WELLNESS CENTER

Project Address:
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BAKERSFIELD, CA 93307



integrated designs
by SOMAM, Inc.
**ARCHITECTURE
ENGINEERING
INTERIOR DESIGN**

6011 N. FRESNO STREET, SUITE 130
FRESNO CALIFORNIA 93710
P:(559) 436-0881 F:(559) 436-0887
E: design@somam.com
integrateddesigns.com

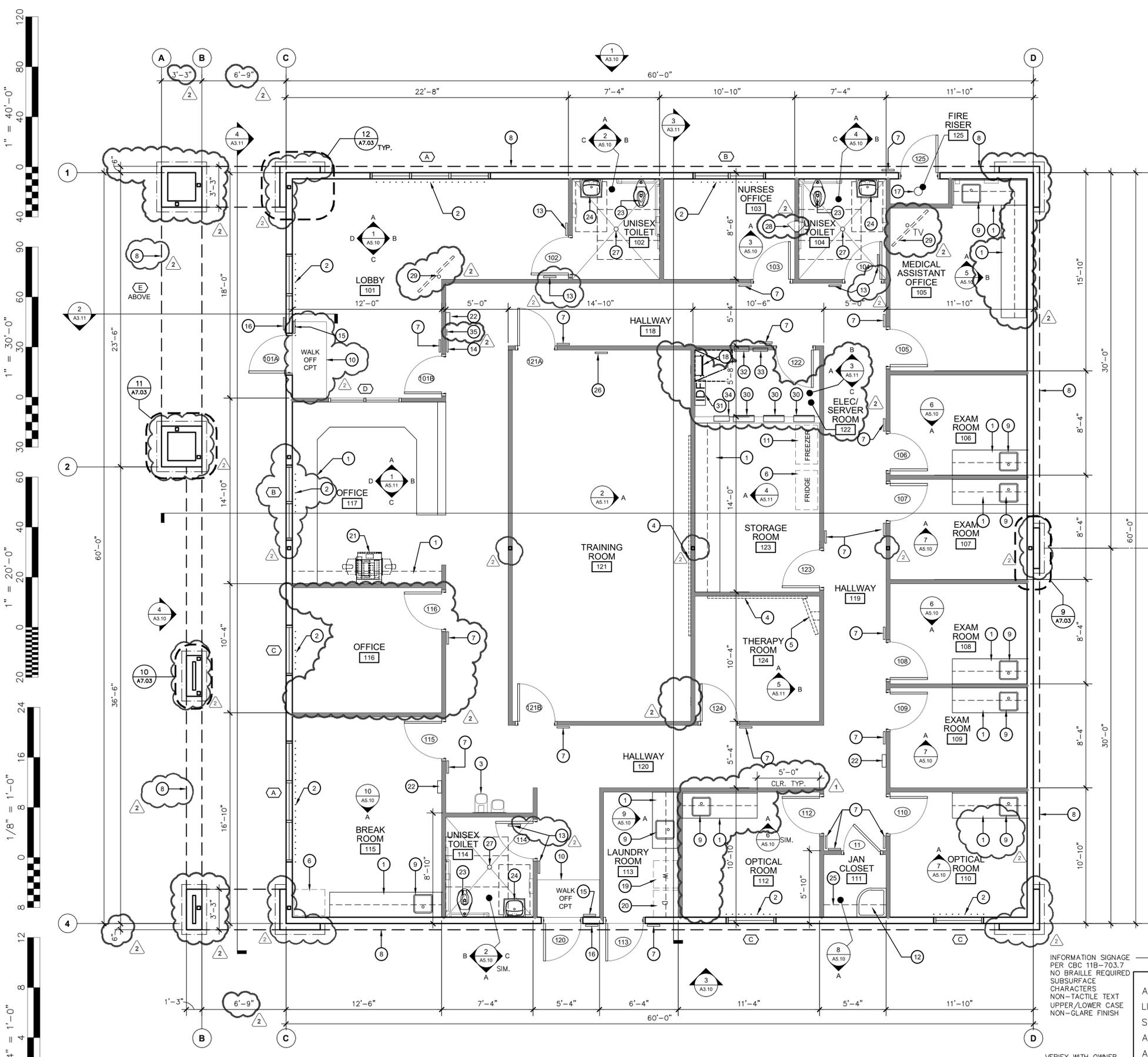
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Sheet Title:
ENLARGED SITE PLAN

Job No.: **5527**

Sheet No.: **A1.02**



OCCUPANCY LOAD TABLE				
Room No.	ROOM NAME	Area S.F.	Occupant Load Table	Occupant Load
101	LOBBY	291	15	19
102	UNISEX TOILET	N/A	N/A	N/A
103	NURSES OFFICE	84	100	1
104	UNISEX TOILET	N/A	N/A	N/A
105	MEDICAL ASSISTANT OFFICE	157	100	2
106	EXAM ROOM	88	100	1
107	EXAM ROOM	88	100	1
108	EXAM ROOM	88	100	1
109	EXAM ROOM	88	100	1
110	OPTICAL ROOM	110	100	1
111	JANITOR CLOSET	N/A	N/A	N/A
112	OPTICAL ROOM	110	100	1
113	LAUNDRY ROOM	60	300	1
114	UNISEX TOILET	N/A	N/A	SV
115	BREAK ROOM	192	15	13
116	OFFICE	120	100	1
117	OFFICE	174	100	2
118	HALLWAY	N/A	N/A	N/A
119	HALLWAY	N/A	N/A	N/A
120	HALLWAY	N/A	N/A	N/A
121	TRAINING ROOM	425	15	28
122	ELEC/SERVER ROOM	N/A	N/A	N/A
123	STORAGE ROOM	137	300	1
124	THERAPY ROOM	100	100	1
TOTAL OCCUPANT LOAD:			75	

ALS SYSTEM

ASSISTIVE LISTENING SYSTEM (ALS):

- PROVIDE A SET OF PORTABLE ALS WITH A TRANSMITTER AND A MINIMUM OF TWO HEARING-AID COMPATIBLE RECEIVERS.
PER CBC 2019, 11B-219, 960S F. / 20 (OCCUPANT LOAD) = 48
48 x 4% = 1.92 ALS DEVICES REQUIRED (OR 2 MIN.).
- THE SYSTEM SHALL BE STORED IN THE SCHOOL ADMINISTRATION OFFICE UNTIL REQUESTED FOR USE.
- SPECIFY THE ALS TYPE AND THAT THE SYSTEM SHALL BE CAPABLE OF INTERFACING WITH THE VOICE AMPLIFICATION SYSTEMS AND ANY MEDIA PROGRAM AUDIO SYSTEM INSTALLED, AND SHALL COMPLY WITH CBC SECTIONS 11B-219 AND 11B-706.
- SYSTEM SHALL INCLUDE: ANCHOR AUDIOASSISTIVE LISTENING PACKAGE #AL-9000; 16 CHANNEL TRANSMITTER, DC POWER SUPPLY, 4 BELT PACK RECEPTACLES WITH EAR BUDS, AND 2 NECK LOOPS, WIRELESS MICROPHONE & BATTERY CHARGER, OR EQUAL.

- ### KEY NOTES
- CABINETS. SEE INTERIOR ELEVATIONS
 - VERTICAL BLINDS
 - ACCESSIBLE HILO DRINKING FOUNTAIN - SEE DETAIL 8/A8.01
 - MARKER BOARDS - SEE DETAIL 9/A8.02
 - T.V BRACKET - SEE DETAIL 8/A8.02
 - REGRIGERATOR - F.B.O
 - TACTILE ROOM IDENTIFICATION SIGN - SEE DETAIL 5/A8.01
 - DASHED LINE INDICATES SOFFITT ABOVE
 - SINK ON COUNTERTOP WITH CABINETS - SEE INTERIOR ELEVATIONS
 - WALK-OFF CARPET TILES
 - FREEZER - F.B.O
 - JANITORS MOP SINK - SEE PLUMBING
 - RESTROOM SIGNAGE PER DETAIL 2/A8.01
 - TACTILE EXIT ROUTE SIGN - SEE DETAIL 4/A8.01
 - TACTILE EXIT SIGN - SEE DETAIL 4/A8.01
 - BUILDING ENTRANCE SIGN - SEE DETAIL 1/A8.01
 - FIRE SPRINKLER RISER
 - ROOF ACCESS LADDER - SEE DETAILS 10-14/A7.01
 - WASHER - F.B.O
 - DRYER - F.B.O
 - COPY MACHINE - F.B.O
 - FIRE EXTINGUISHER CABINET - SEE DETAIL 5/A8.02
 - WATER CLOSET - SEE PLUMBING
 - LAVATORY - SEE PLUMBING
 - JANITOR'S CLOSET SHELF & MOP HANGER - SEE DETAIL 14/A8.01
 - ALS AVAILABLE SIGN, PROVIDE PORTABLE ASSISTIVE LISTENING SYSTEM, PER CBC 11B-216.10, 11B-219 AND 11B-706. SEE DETAIL 1/A2.10
 - FLOOR DRAIN - SEE PLUMBING PLAN.
 - SPECIMAN PASS-THRU CABINET, -SEE 4/A5.10 & SPEC SECTION 102800.
 - HANGING TV BRACKET, -SEE DETAIL 2/A4.10.
 - ELECTRICAL PANEL, -SEE ELECTRICAL SHEETS.
 - IDF, -SEE ELECTRICAL SHEETS.
 - SONITROL SECURITY CABINET, -SEE ELECTRICAL SHEETS.
 - FATC, -SEE ELECTRICAL SHEETS.
 - MAG CONTROL BOX, -SEE ELECTRICAL SHEETS.
 - SECURITY KEY PAD.

- ### GENERAL NOTES
- DIMENSIONS ARE GIVEN TO FACE OF STUD UNLESS NOTED OTHERWISE.
 - DIMENSIONS FOR ACCESSIBILITY COMPLIANCE ARE GIVEN FROM CENTERLINE OR FACE OF FIXTURE/ACCESSORY TO FACE OF FINISH OR ADJACENT FIXTURE/ACCESSORY. SEE NOTE BELOW
 - SEE SHEET A8.01 FOR MOUNTING HEIGHT AND CLEARANCE REQUIREMENTS AT ALL TOILET ROOM ACCESSORIES AND ACCESSIBLE FIXTURES: WATER CLOSETS, LAVATORIES, DRINKING FOUNTAINS, ETC.
 - SEE MATERIAL & FINISH SCHEDULE ON FOR MATERIAL & FINISH SELECTIONS.
 - ALL INTERIOR WALLS TO RECEIVE ACOUSTIC BATT INSULATION. PROVIDE GYPSUM BD. FROM FINISH FLOOR TO WITHIN 1/2" OF ROOF DECK ABOVE W/ BLOCKING BETWEEN ROOF FRAMING MEMBERS
 - ALL GYPSUM BOARD TO BE 5/8" U.N.O.; 5/8" CEMENT BACKER @ C.T.
 - FRAME ALL WALLS FROM FLOOR SLAB BELOW TO WITHIN 1/4" OF THE UNDERSIDE OF THE ROOF DECK ABOVE U.N.O. W/ 5/8" GYP. BD. BOTH SIDES FROM FIN FLOOR BELOW TO 6" ABOVE HIGHEST ADJACENT CEILING
 - SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS
 - SEE STRUCTURAL DRAWINGS FOR TYPICAL FRAMING CONSTRUCTION DETAILS
 - ALL INSULATION AT EXTERIOR WALLS SHALL BE R-19 INSULATION. INSULATION IN ATTIC SPACE SHALL BE R-38 FOIL-FACT F.G. BATT INSULATION INSTALLED. INSULATION INSTALLED ON ROOF DECK SHALL BE R-30 RIGID INSULATION
 - PROVIDE ACOUSTIC BATT INSULATION AT ALL INTERIOR TOILET ROOM WALLS. PROVIDE ACOUSTIC SEALANT AT ALL END WALL JOINTS AND AT ALL PENETRATIONS.

WALL LEGEND

---	6" METAL STUDS
---	4" METAL STUDS
---	CMU VENEER

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Project Name:
WELLNESS CENTER
Project Address:
DR. MARTIN LUTHER KING JR. ELEMENTARY SCHOOL
1100 CITADEL STREET
BAKERSFIELD, CA 93307

integrated designs
by SOMAM, Inc.
ARCHITECTURE ENGINEERING INTERIOR DESIGN
6011 N. FRESNO STREET, SUITE 130
FRESNO CALIFORNIA 93710
P:(559) 436-0881 F:(559) 436-0887
E: design@somam.com
integrateddesigns.com

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FLOOR PLAN

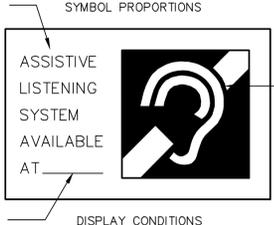
Job No.: **5527**
Sheet No.: **A2.10**
Release: ADDENDUM 2
11/22/24

FLOOR PLAN WELLNESS CENTER

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

INTERNATIONAL SYMBOL OF ACCESS FOR HEARING IMPAIRED
ADA200-05

SCALE: 3" = 1'-0"



INFORMATION SIGNAGE PER CBC 11B-703.7 NO BRAILLE REQUIRED SUBSURFACE CHARACTERS NON-TACTILE TEXT UPPER/LOWER CASE NON-GLARE FINISH

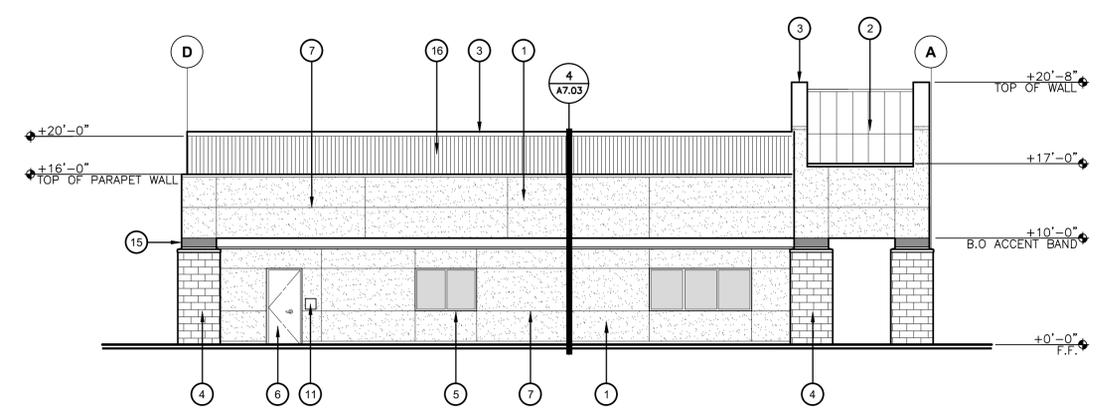
VERIFY WITH OWNER AND FILL IN CONTACT INFORMATION (AT RECEPTION DESK, ETC.)

SYMBOL PROPORTIONS

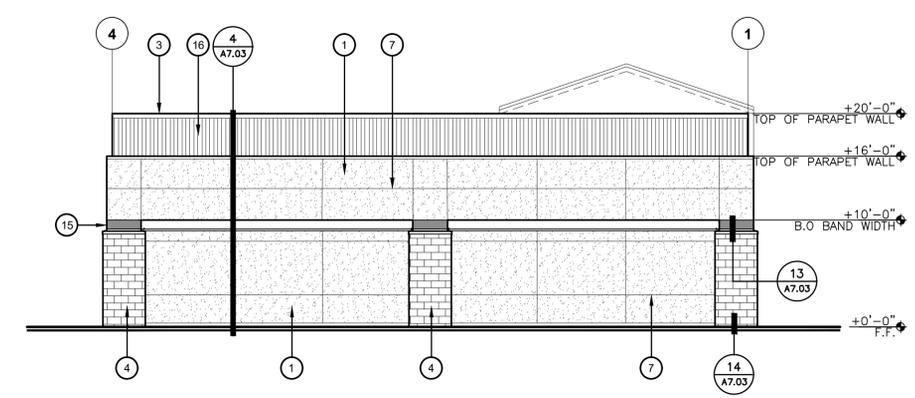
6" HIGH PICTOGRAM, 11B-703.6

NOTE: THIS SIGN IS ASSISTING THE DEAF NOT BLIND - BRAILLE NOT REQUIRED. SEE CBC 11B-219.2 FOR ASSISTIVE-LISTENING SYSTEM REQUIREMENTS

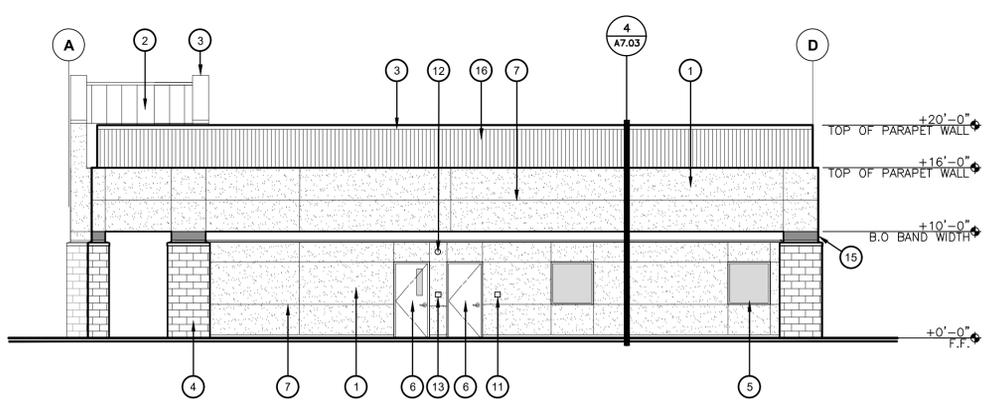
DISPLAY CONDITIONS



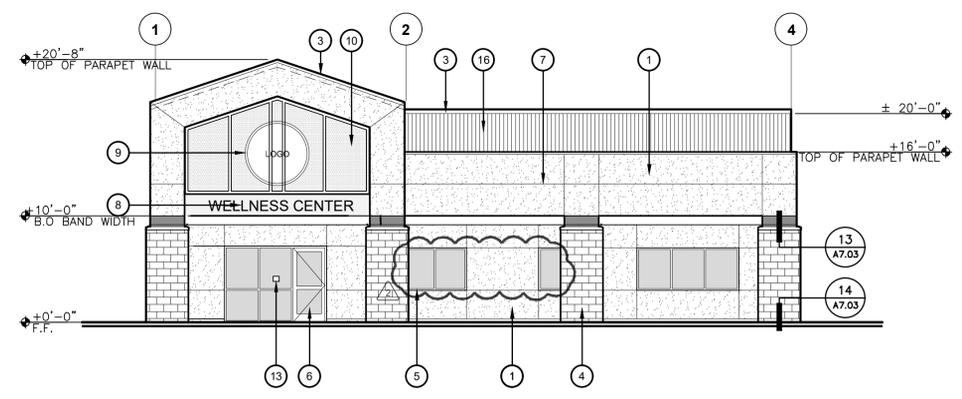
1 ELEVATION
A3.10 SCALE: 1/8" = 1'-0"



2 ELEVATION
A3.10 SCALE: 1/8" = 1'-0"



3 ELEVATION
A3.10 SCALE: 1/8" = 1'-0"



4 ELEVATION
A3.10 SCALE: 1/8" = 1'-0"

KEY NOTES

- EXTERIOR CEMENT PLASTER w/ WEATHER BARRIER, PRIME AND PAINT
- PRE-FINISHED STANDING SEAM METAL ROOF w/ UNDERLAYMENTS - SEE SHEET A7.05 FOR TYPICAL DETAILS
- 22 GA. SHEET METAL COPING, PROVIDE CLINCH-LOCK SEAM PER SMCNA DETAIL 1 FIGURE 3-2 AT SEAMS ALONG RAKED COPING, PRIME AND PAINT
- CMU SPLIT FACED VENEER - SEE DETAIL 13 & 14/A7.03
- H.M. WINDOW FRAME W/ 1" INSULATED GLAZING UNIT, PAINT FRAME - SEE WINDOW ELEVATIONS
- HOLLOW METAL DOOR AND FRAME - SEE DOOR SCHEDULE, PAINT
- CONTROL JOINT - TYPE #5 - SEE 8/A7.01
- 8" H. FLUSH MOUNTED CAST ALUMINUM DIMENSIONAL LETTERS (HELVETICA FONT)
- 60" DIAMETER POWDER COATED STEEL PLATE W/ LASER CUT LOGO SIGN - DESIGN GRAPHICS TO BE PROVIDED BY OWNER - SEE DETAIL 11/A7.02
- HOLLOW METAL FRAME WITH PERFORATED PANEL - SEE DETAILS 9 THRU 12/A7.02
- TACTILE ROOM IDENTIFICATION SIGN- SEE 5/A8.01
- WALL MOUNTED EXTERIOR LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- BUILDING ENTRANCE SIGN - SEE DETAIL 1/A8.01
- NOT USED
- 12" PAINTED CEMENT PLASTER ACCENT BAND
- METAL FASCIA PANEL - SEE DETAIL 1 & 2/A7.06

GENERAL NOTES

- ALL METAL LATH WIRE SHALL BE CUT BEHIND ALL EXPANSION/CONTROL JOINTS. THE CONTRACTOR SHALL PROVIDE STUDS AS REQUIRED @ ALL JOINTS
- ALL EXTERIOR GLASS SEE WINDOW ELEVATIONS AND SCHEDULE
- CEMENT PLASTER WILL BE PAINTED WITH 3 DIFFERENT COLORS (ELASTOMERIC P50.E)
 - 1) MAIN BODY
 - 2) SECONDARY BODY
 - 3) 12" ACCENT BAND
- HOLLOW METAL FRAMES & DOORS WILL BE PAINTED WITH A MIN. OF 2 COLORS
 - 1) EXTERIOR SURFACE : 1. COLOR
 - 2) INTERIOR SURFACE : 2. COLORS
 - A) JAMB
 - B) DOOR

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APP: 03-122605 INC: 0
REVIEWED FOR
SS FLS ACS
DATE: 01/27/2025

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD, CA 93305

Project Name:
WELLNESS CENTER

Project Address:
DR. MARTIN LUTHER KING JR. ELEMENTARY SCHOOL
1100 CITADEL STREET
BAKERSFIELD, CA 93307


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FRESNO CALIFORNIA 93710
P:(559) 436-0881 F:(559) 436-0887
E: design@somam.com
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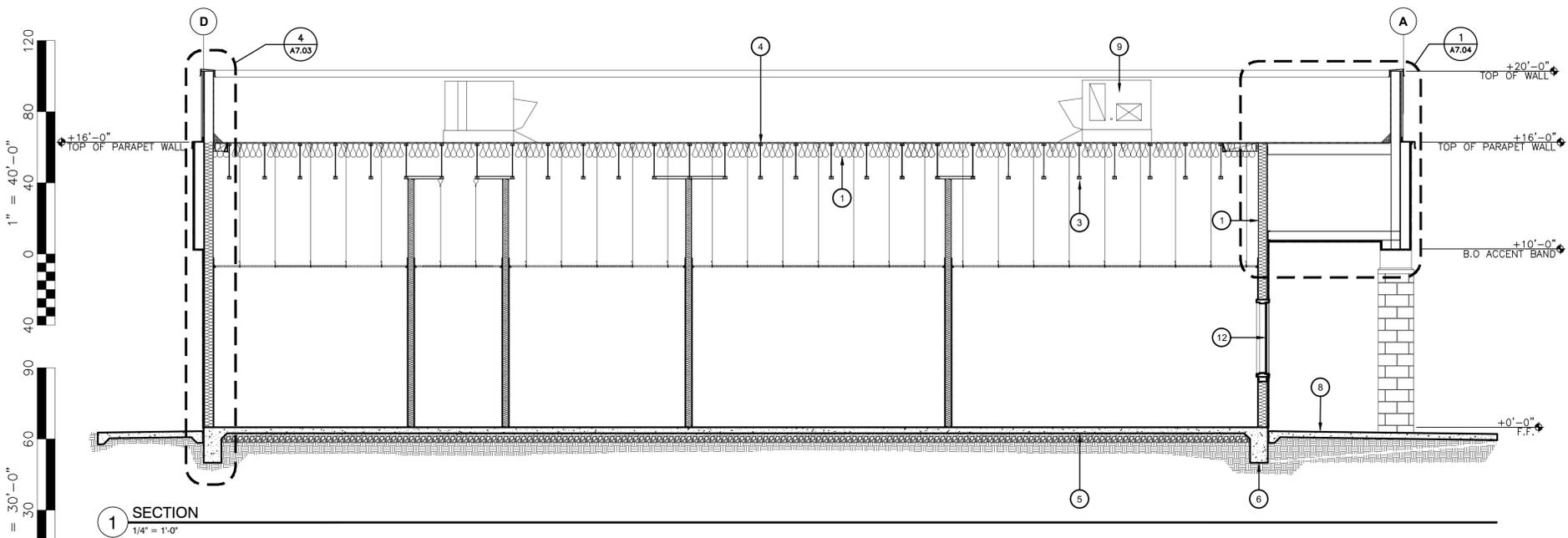
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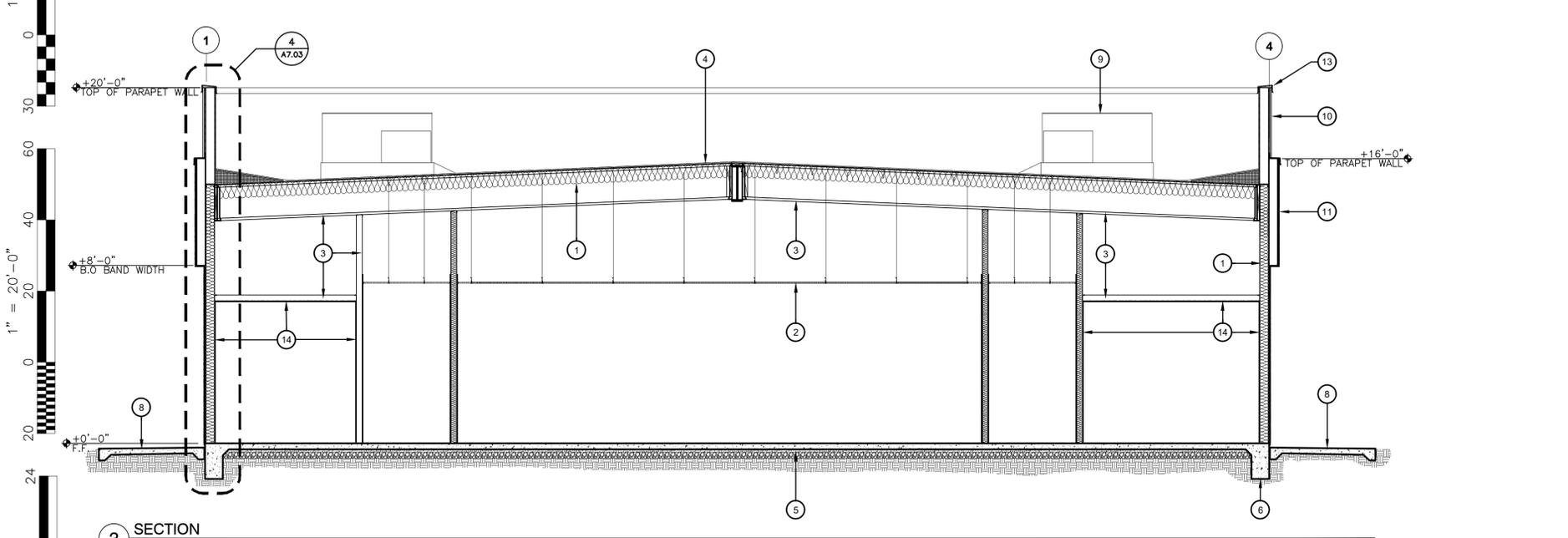

Sheet Title:
EXTERIOR ELEVATIONS

Job No.: **5527**

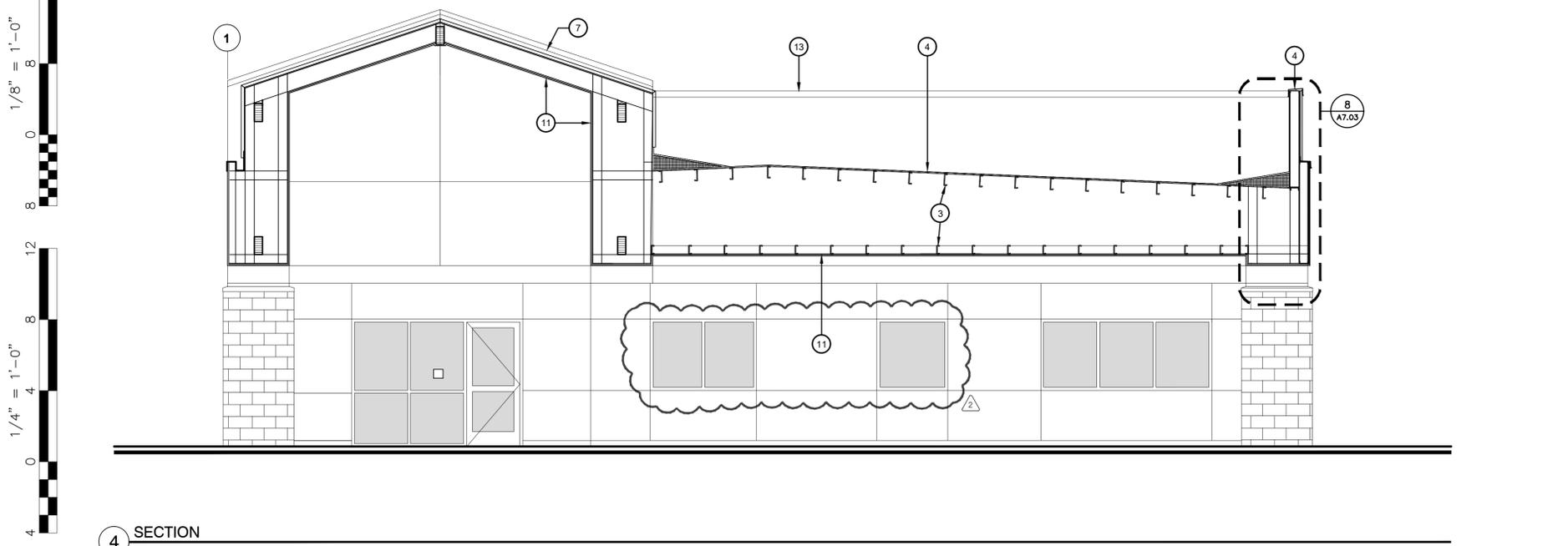
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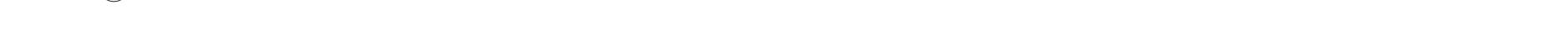
1 SECTION
1/4" = 1'-0"



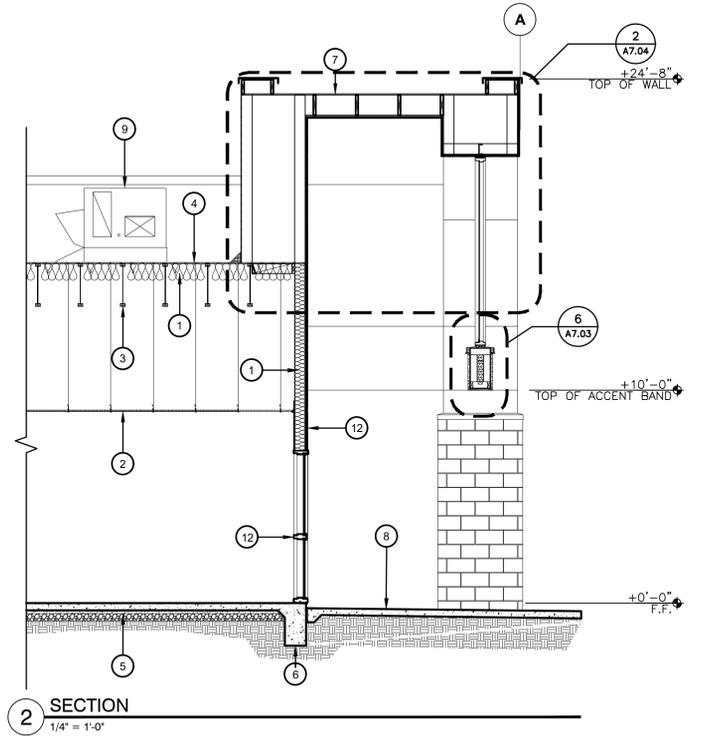
2 SECTION
1/4" = 1'-0"



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



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



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

KEY NOTES	
1.	BATT INSULATION
2.	SUSPENDED ACOUSTICAL TILE
3.	STRUCTURAL FRAMING - SEE STRUCTURAL
4.	SINGLE PLY ROOFING MEMBRANE of PLYWOOD
5.	CONCRETE SLAB - SEE STRUCTURAL
6.	CONCRETE FOOTING - SEE STRUCTURAL
7.	STANDING SEAM METAL ROOFING - SEE SHEET A7.05 FOR TYPICAL DETAILS
8.	CONCRETE SIDEWALK
9.	MECHANICAL UNIT
10.	METAL FASCIA PANEL
11.	CEMENT PLASTER SYSTEM
12.	DOOR / WINDOW FRAME
13.	SHEET METAL COPING
14.	GYPSUM BD.

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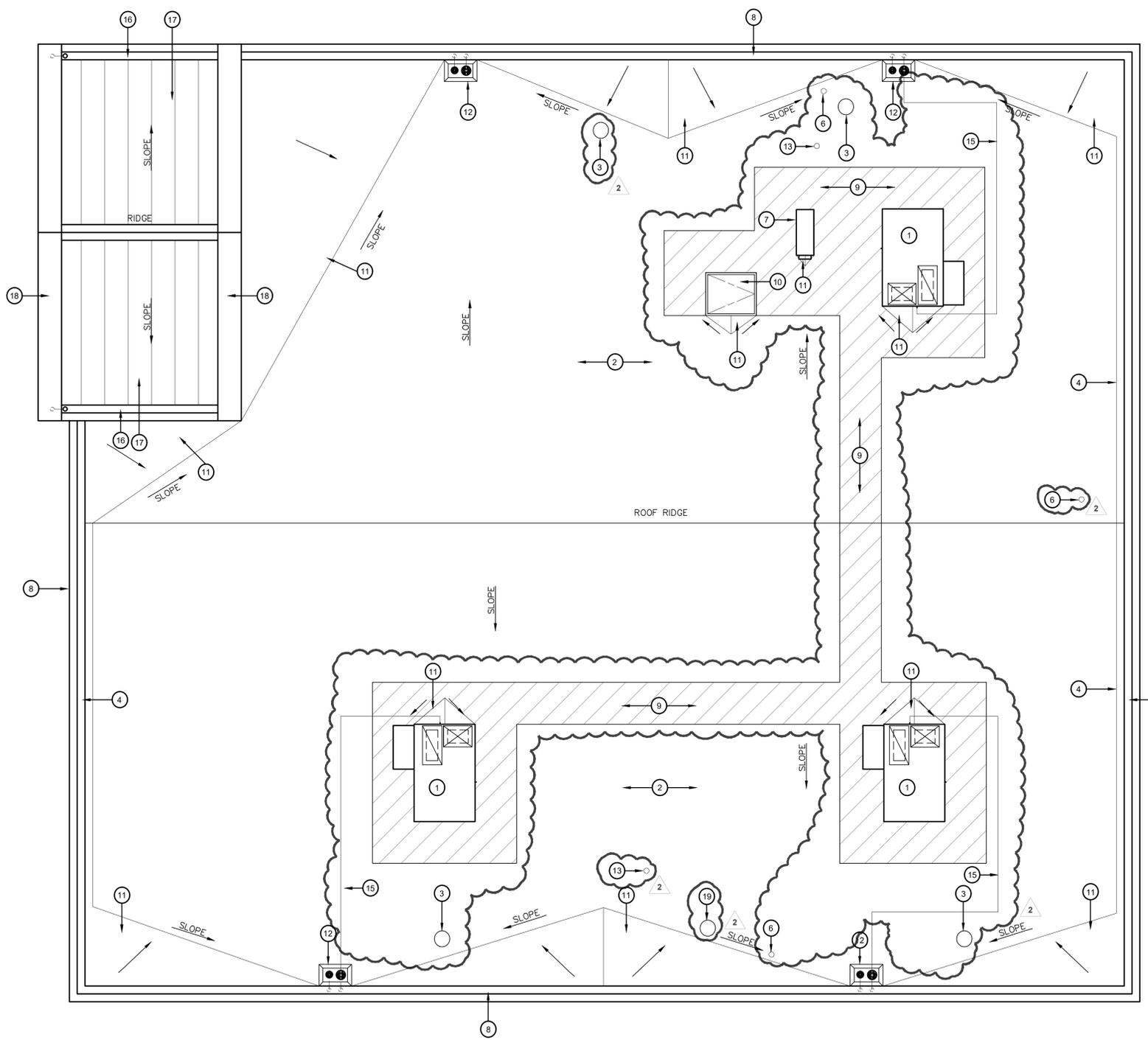
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Sheet Title:
SECTIONS

Job No.:
5527

Sheet No.:
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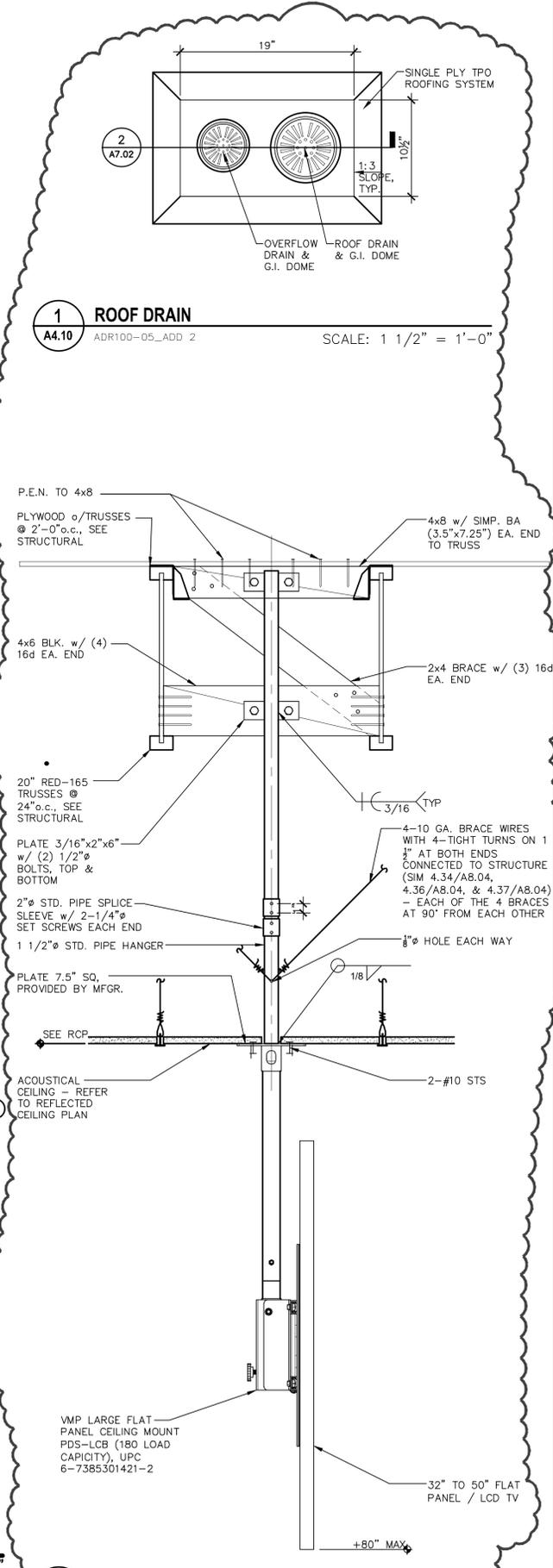


ROOF PLAN
WELLNESS CENTER

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

1 ROOF DRAIN
ADR100-05_ADD 2

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



2 TV MOUNTING
ADM200-02

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

KEY NOTES

1. HVAC UNITS, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION - SEE DETAIL 5/A7.02
2. CLASS "A" SINGLE-PLY ROOFING
3. EXHAUST DUCT w/ ROOF CAP, - SEE DETAIL 7/M0.11
4. GANT STRIP - SEE DETAIL 4/A7.02
5. OUTDOOR UNIT PLATFORM
6. ROOF VENT PENETRATION, - SEE 7/A7.02 & MECHANICAL DRAWINGS
7. OUTDOOR UNIT ON PLATFORM. SEE MECHANICAL DRAWINGS
8. 22GA METAL PARAPET CAP - SEE DETAIL 5/A7.03
9. ROOF WALK MATS TYP. - SEE SPEC SECTION 075423
10. ROOF HATCH - SEE DETAIL 10/A7.01
11. RIGID INSULATION ROOF CRICKET - SEE DETAIL 8/A7.02
12. ROOF DRAIN AND OVERFLOW COMBO. ROOF DRAIN DOWN INSIDE WALL CONNECT TO STORM DRAIN SYSTEM BELOW GRADE. OVERFLOW DRAIN DOWN WALL DAYLIGHT THROUGH WALL 12" ABOVE F.F. - SEE DETAIL 1/A4.10 & 2/A7.02
13. HOSE-BIBB ON ROOF, - SEE 6/A7.02 AND MECHANICAL DRAWINGS
14. 24GA METAL PARAPET CAP - SEE DETAIL 13/A7.02
15. CONDENSATE DRAIN PIPE ON ROOF, - SEE PLUMBING PLANS
16. BUILT IN SHEET METAL GUTTER. DOWNSPOUT DOWN THROUGH COLUMN CONNECT TO STORM DRAIN SYSTEM BELOW GRADE
17. STANDING SEAM METAL ROOF - SEE SHEET A7.05 FOR TYPICAL DETAILS
18. SHEET METAL COPING
19. DRYER VENT w/ ROOF CAP, SEE 7/M0.11

GENERAL NOTES

1. ALL ROOF PENETRATIONS SHALL BE WEATHER TIGHT
2. ALL SHEET METAL COPING SHALL BE PAINTED TO MATCH ADJACENT FINISH. ALL FLASHING SHALL HAVE A 15# UNDERLAYMENT.

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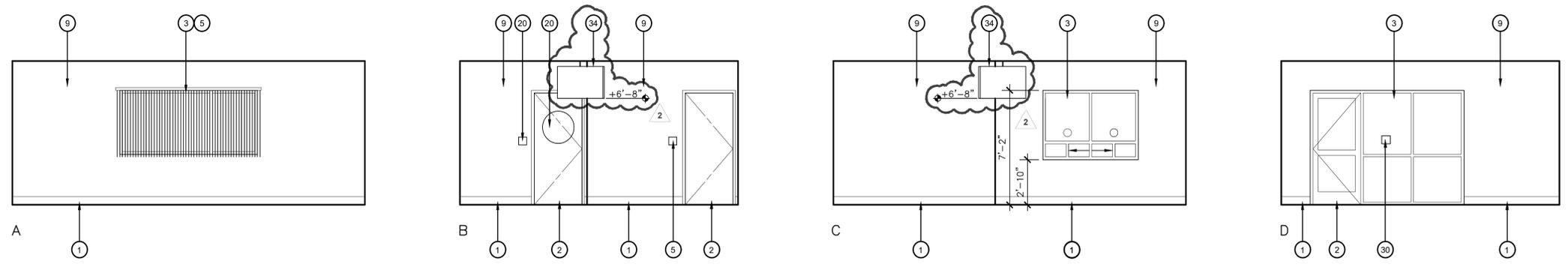
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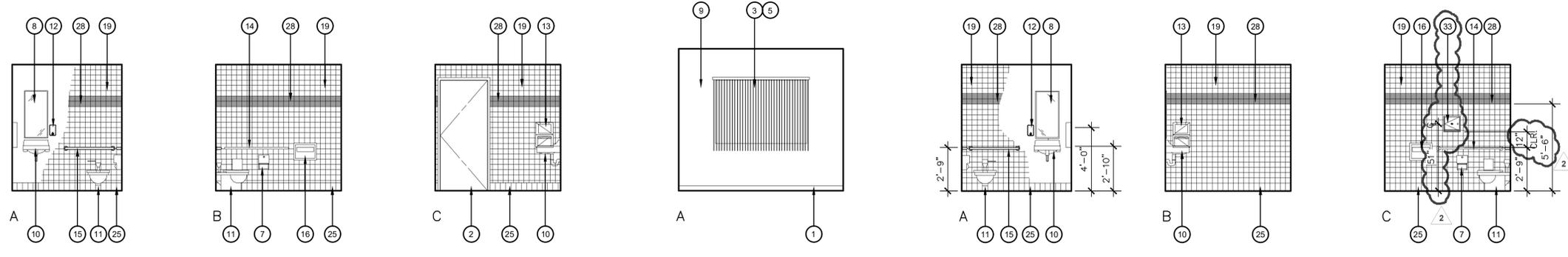
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ROOF PLAN

Job No.:
5527

Sheet No.:
A4.10



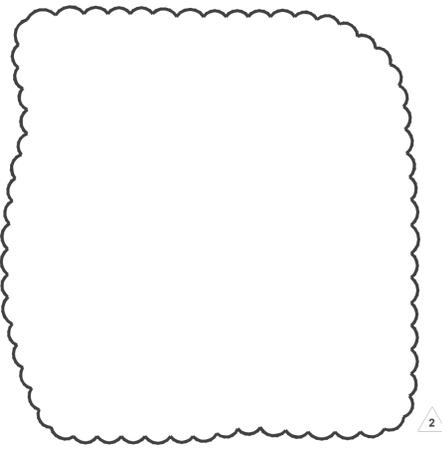
1 LOBBY 101
1/4" = 1'-0"



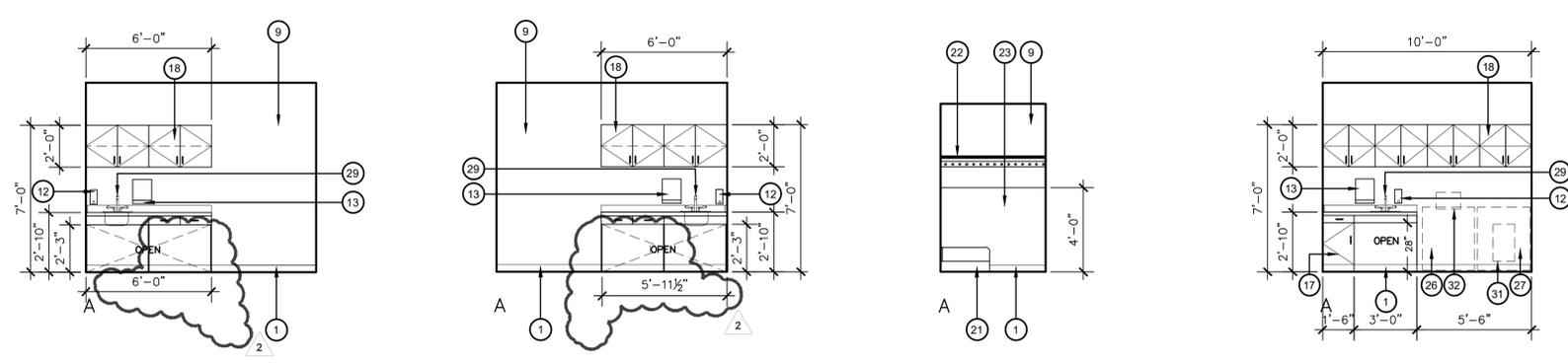
2 UNISEX TOILET 102 114 SIM.
1/4" = 1'-0"

3 NURSES OFFICE 103
1/4" = 1'-0"

4 UNISEX TOILET 104
1/4" = 1'-0"



10 BREAK ROOM 115
1/4" = 1'-0"

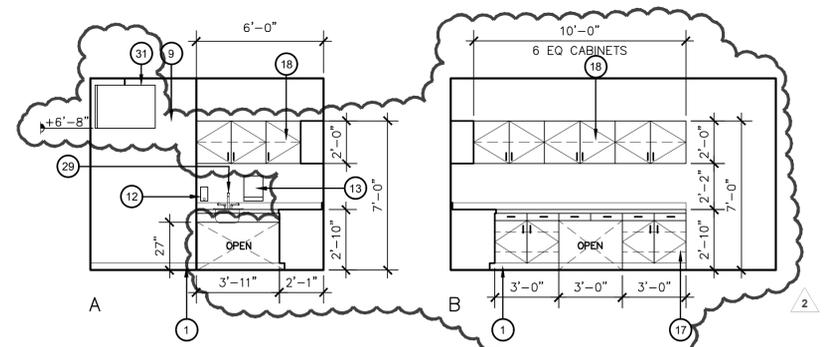


6 EXAM ROOM 106 108 112 SIM.
1/4" = 1'-0"

7 EXAM ROOM 107 109 110
1/4" = 1'-0"

8 JANITOR CLOSET 111
1/4" = 1'-0"

9 LAUNDRY ROOM 113
1/4" = 1'-0"

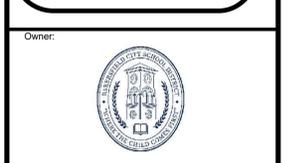


5 MEDICAL ASSISTANT OFFICE 105
1/4" = 1'-0"

- ### KEY NOTES
- 4" RUBBER TOPSET BASE
 - DOOR & FRAME, SEE DOOR SCHEDULE
 - WINDOW FRAME, SEE WINDOW SCHEDULE
 - 12 MM CORIAN COUNTERTOP WITH 4" BACKSPASH
 - VERTICAL LOUVRE BLINDS
 - ROOM IDENTIFICATION SIGN, SEE DETAIL 5/A8.01
 - TOILET TISSUE DISPENSER
 - MIRROR
 - GYPSUM BOARD TEXTURED, PRIME AND PAINT.
 - LAVATORY - SEE PLUMBING DRAWINGS
 - FLOOR MOUNTED WATER CLOSET
 - WALL MOUNTED SOAP DISPENSER - F.B.O. INSTALLED BY CONTRACTOR
 - PAPER TOWEL DISPENSER
 - 48" LONG GRAB BAR GB-1 - SEE DETAIL 12/A8.01
 - 36" LONG GRAB BAR GB-1 - SEE DETAIL 12/A8.01
 - TOILET SEAT COVER DISPENSER
 - BASE CABINETS - SEE DETAIL 12/A8.02
 - UPPER CABINETS - SEE DETAIL 12/A8.02
 - CERAMIC WALL TILE
 - ACCESSIBLE RESTROOM SIGN - SEE DETAIL 2/A8.01
 - MOP SINK - SEE PLUMBING DRAWINGS
 - JANITOR'S SHELF & MOP HANGER - SEE DETAIL 14/A8.01
 - FRP
 - REFRIGERATOR - F.B.O.
 - 6" HIGH CERAMIC TILE COVE BASE
 - WASHER - F.B.O.
 - DRYER - F.B.O.
 - CERAMIC WALL TILE ACCENT COLOR
 - SINK W/ FAUCET - SEE PLUMBING
 - TACTILE EXIT SIGN - SEE DETAIL 4/A8.01
 - DRYER VENT BOX, -SEE MECHANICAL PLANS. FIELD VERIFY LOCATION.
 - WASHING MACHINE OUTLET BOX, -SEE PLUMBING PLANS. FIELD VERIFY LOCATION.
 - SPECIMAN PASS-THRU CABINET, -SEE SPEC SECTION 102800.
 - HANGING TV, -SEE 2/A.10.

- ### GENERAL NOTES
- REFER TO ROOM FINISH SCHEDULE FOR FINISHES. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS & FINISHES
 - CONTRACTOR SHALL PROVIDE BACKING AS PER MANUFACTURER'S REQUIREMENTS FOR ALL WALL MOUNTED ACCESSORIES. SEE DETAIL 11/A8.01 FOR ACCESSORY MOUNTING HEIGHTS AND DETAIL 12/A8.02 FOR CASEWORK ANCHORING
 - COLORS FOR ALL ITEMS OF WORK SHALL BE SELECTED BY ARCHITECT
 - ALL CABINET DOOR PULLS SHALL BE MOUNTED VERTICALLY AND DRAWER PULLS SHALL BE MOUNTED HORIZONTALLY
 - CONTRACTOR SHALL COORDINATE W/ ELECTRICAL, PLUMBING, AND MECHANICAL DRAWINGS FOR LOCATIONS OF ALL OUTLETS, EXITS SIGNS, DATA BOXES, ACCESS DOORS, AND REQUIRED FINISHES
 - SEE DETAILS ON SHEET A8.01 FOR STANDARD MINIMUM ACCESSIBLE CLEARANCES/HEIGHTS AT TOILETS, LAVATORIES, TOILET ACCESSORIES, DRINKING FOUNTAINS, ETC.

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BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD, CA 93305

Project Name:
WELLNESS CENTER

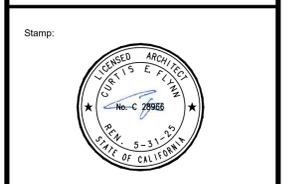
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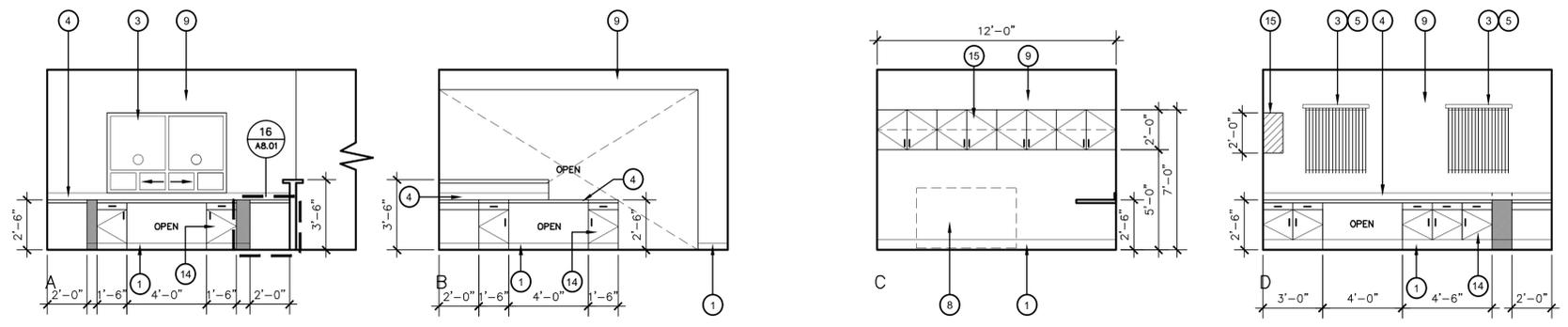
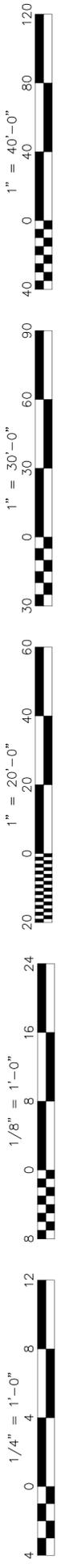
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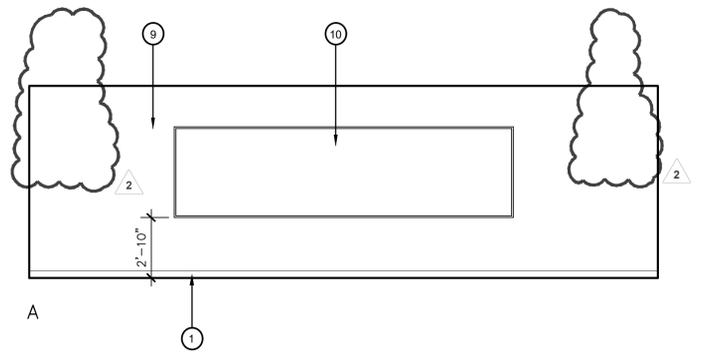
Sheet Title:
INTERIOR ELEVATIONS

Job No.:
5527

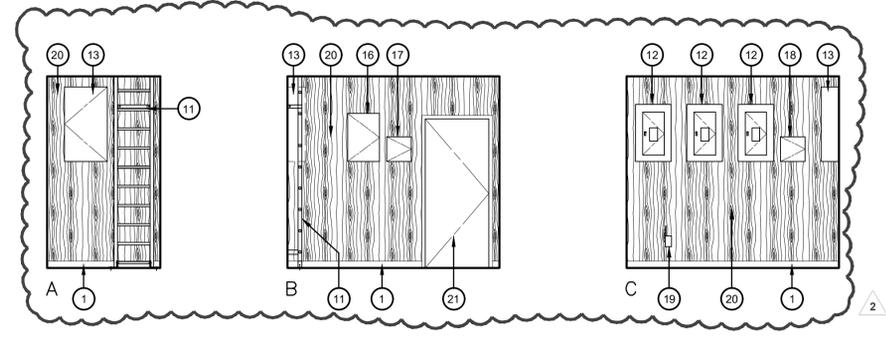
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A5.10



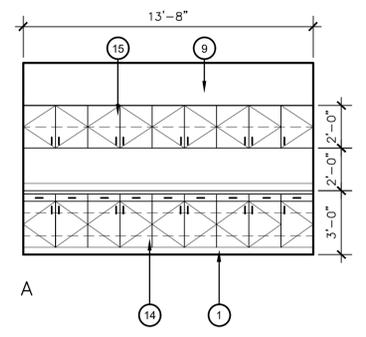
1 OFFICE 117
1/4" = 1'-0"



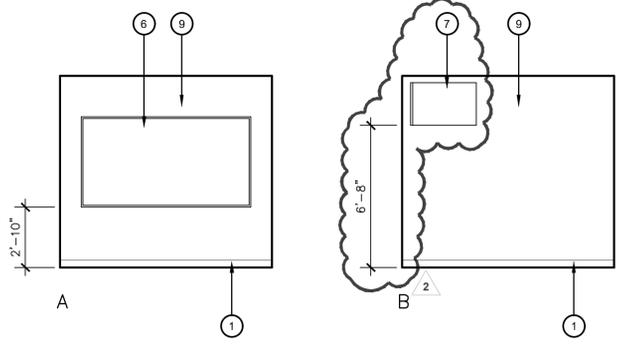
2 TRAINING ROOM 121
1/4" = 1'-0"



3 ELECT/SERVER ROOM 122
1/4" = 1'-0"



4 STORAGE ROOM 123
1/4" = 1'-0"



5 THERAPY ROOM 124
1/4" = 1'-0"

KEY NOTES

1. 4" RUBBER TOPSET BASE
2. NOT USED
3. WINDOW FRAME, SEE WINDOW ELEVATIONS & SCHEDULE
4. 12 MM CORIAN W/ 4" BACK SPLASH
5. VERTICAL LOUVRE BLINDS
6. 4'X8' MARKER BOARD - SEE DETAIL 9/A8.02
7. T.V BRACKETS - SEE DETAIL 2/A4.10
8. COPIER - F.B.O
9. GYPSUM BOARD TEXTURE, PRIME, AND PAINT.
10. 4' X 16' MARKERBOARD - SEE DETAIL 9/A8.02
11. ROOF ACCESS LADDER
12. ELECTRICAL PANEL, -SEE ELECTRICAL SHEETS.
13. IDF, -SEE ELECTRICAL SHEETS.
14. BASE CABINETS - SEE DETAIL 12/A8.02.
15. UPPER CABINETS - SEE DETAIL 12/A8.02.
16. SONITROL SECURITY CABINET, -SEE ELECTRICAL SHEETS.
17. FATC, -SEE ELECTRICAL SHEETS.
18. MAG CONTROL BOX, -SEE ELECTRICAL SHEETS.
19. HVAC WIRELESS GATEWAY, -SEE MECHANICAL SHEETS.
20. 1/2" PLY. WD. of GYP. BD.
21. DOOR & FRAME, -SEE SCHEDULE.

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**BAKERSFIELD
CITY SCHOOL
DISTRICT**
1300 BAKER STREET
BAKERSFIELD, CA 93305

Project Name:
WELLNESS CENTER

Project Address:
**DR. MARTIN LUTHER
KING JR. ELEMENTARY
SCHOOL**
1100 CITADEL STREET
BAKERSFIELD, CA 93307

GENERAL NOTES

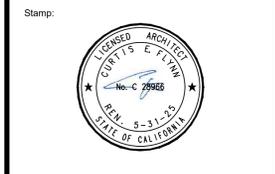
1. REFER TO ROOM FINISH SCHEDULE FOR FINISHES SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS & FINISHES
2. CONTRACTOR SHALL PROVIDE BACKING AS PER MANUFACTURES REQUIREMENTS FOR ALL WALL MOUNTED ACCESSORIES. SEE DETAIL 11/A8.01 FOR ACCESSORY MOUNTING HEIGHTS AND DETAIL 12/A8.02 FOR CASEWORK ANCHORING
3. COLORS FOR ALL ITEMS OF WORK SHALL BE SELECTED BY ARCHITECT
4. ALL CABINET DOOR PULLS SHALL BE MOUNTED VERTICALLY AND DRAWER PULLS SHALL BE MOUNTED HORIZONTALLY
5. CONTRACTOR SHALL COORDINATE w/ ELECTRICAL, PLUMBING, AND MECHANICAL DRAWINGS FOR LOCATIONS OF ALL OUTLETS, EXITS SIGNS, DATA BOXES, ACCESS DOORS, AND REQUIRED FINISHES
6. SEE DETAILS ON SHEET A8.01 FOR STANDARD MINIMUM ACCESSIBLE CLEARANCES/HEIGHTS AT TOILETS, LAVATORIES, TOILET ACCESSORIES, DRINKING FOUNTAINS, ETC.



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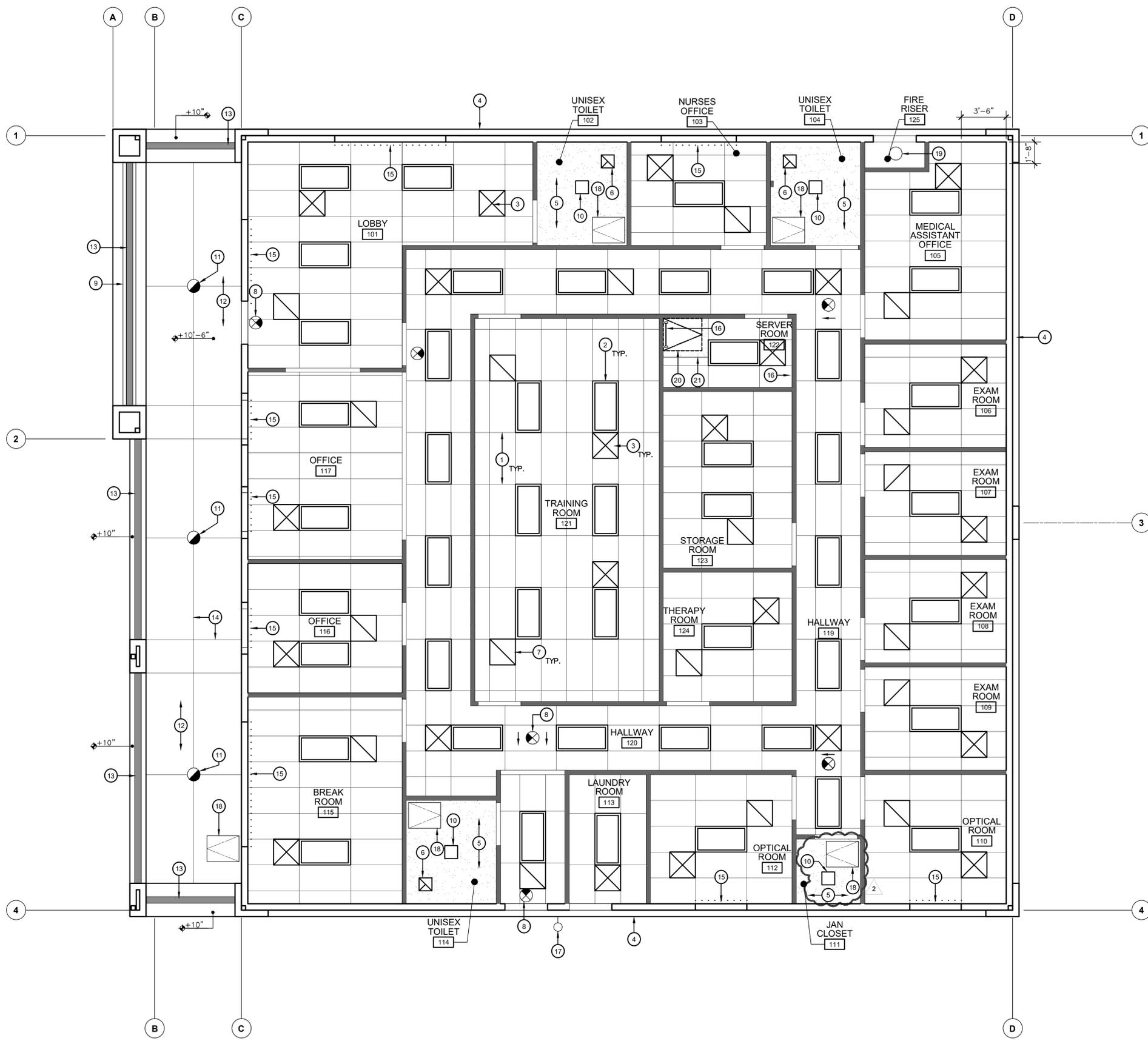
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**INTERIOR
ELEVATIONS**

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Sheet No.:
A5.11



REFLECTED CEILING PLAN
WELLNESS CENTER

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

KEY NOTES

1. SUSPENDED ACOUSTICAL PANEL CEILING SEE SHEETS A8.03 & A8.04
2. RECESSED LIGHT FIXTURE - SEE ELECTRICAL
3. MECHANICAL SUPPLY GRILLE - SEE MECHANICAL
4. ROOF OVERHANG
5. GYPSUM BOARD CEILING - SEE DETAIL 14/A7.05
6. EXHAUST FAN - SEE MECHANICAL
7. RETURN GRILLE - SEE MECHANICAL
8. ILLUMINATED EXIT SIGN - SEE ELECTRICAL
9. BOX BEAM
10. 1'x1' SURFACE MOUNTED LIGHT FIXTURE - SEE ELECTRICAL
11. CAN LIGHT FIXTURE
12. CEMENT PLASTER SOFFIT
13. 3" CONTINUOUS VENT SCREED
14. CONTROL JOINT
15. VERTICAL BLINDS
16. ROOF ACCESS LADDER
17. WALL MOUNTED LIGHT FIXTURE
18. ATTIC ACCESS DOOR - SEE DETAIL 1/A7.02
19. FIRE RISER
20. ROOF ACCESS DOOR, -SEE 10/A7.01
21. HANGING SOFFIT

GENERAL NOTES

1. ALL GYPSUM BOARD SOFFITS AND CEILINGS SHALL BE 5/8" THICK, UNLESS NOTED OTHERWISE.
2. SEE INTERIOR ELEVATIONS / SECTIONS FOR ADDITIONAL INFORMATION AT SPECIAL CEILING AREAS
3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PROPER WATER TIGHT FLASHING AROUND ALL ROOF PENETRATIONS, PER SMACNA STANDARDS

LEGEND

- SUSPENDED ACOUSTICAL TILE CEILING TO REMAIN
- SOFFIT
- 2x4 RECESSED LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS)
- RECESSED CAN LIGHT
- WALL MOUNTED LIGHT FIXTURE
- 1x1 SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS)
- EXIT SIGN
- MECHANICAL SUPPLY GRILLE (SEE MECHANICAL DRAWINGS)
- EXHAUST FAN (SEE MECHANICAL DRAWINGS)
- GYPSUM BOARD CEILING

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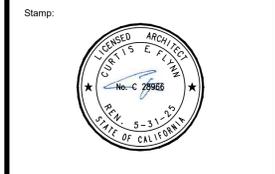
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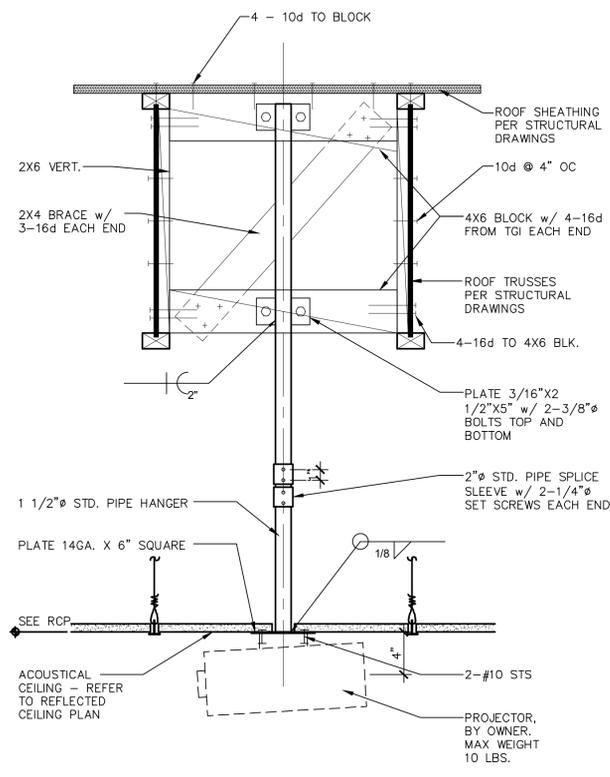


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REFLECTED CEILING PLAN

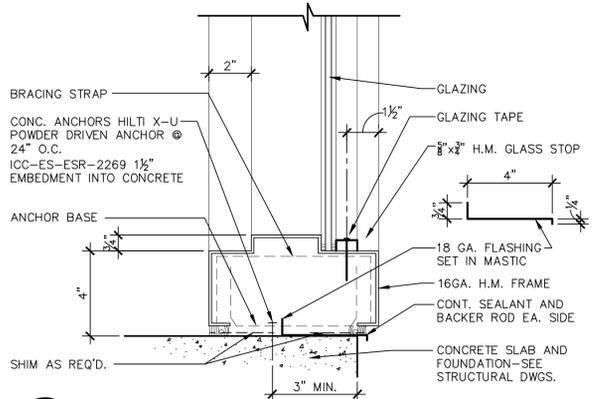
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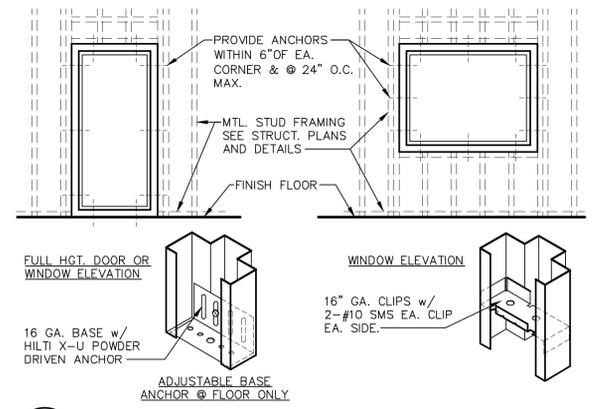
Release: ADDENDUM 2 / 2 11/22/24 12/20/24



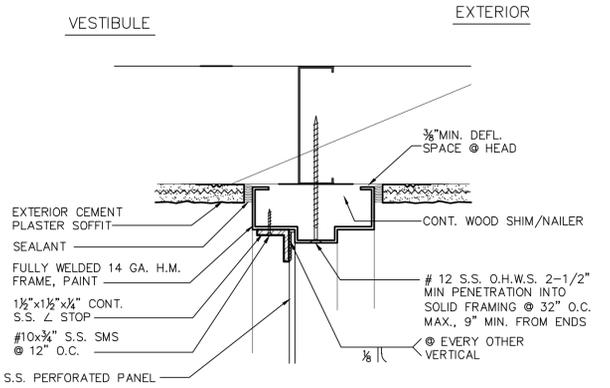
14 PROJECTOR MOUNTING
ADM200-02 SCALE: 1 1/2" = 1'-0"



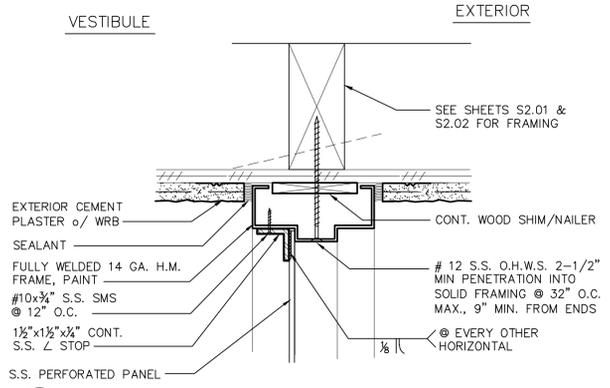
15 HOLLOW METAL WINDOW SILL @ EXTERIOR WALL
ADG101-01 SCALE: 3" = 1'-0"



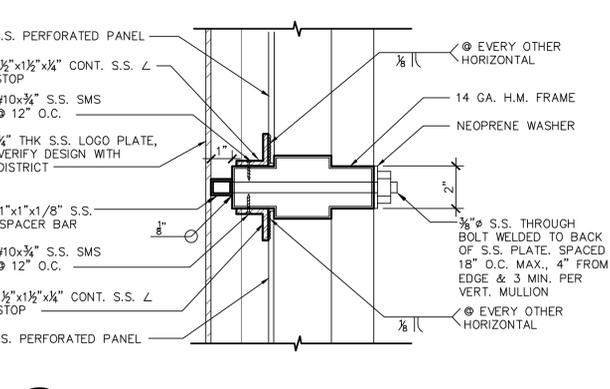
16 TYPICAL H.M. FRAME CONNECTION TO STEEL STUDS
ADG130-01 SCALE: N.T.S.



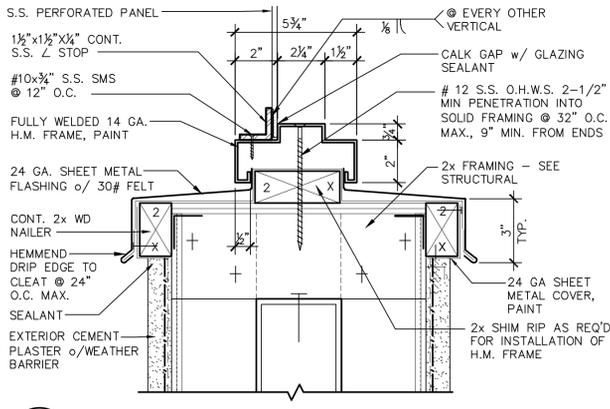
9 H.M. ARCHITECTURAL SCREEN HEAD
ADD141-09 SCALE: 3" = 1'-0"



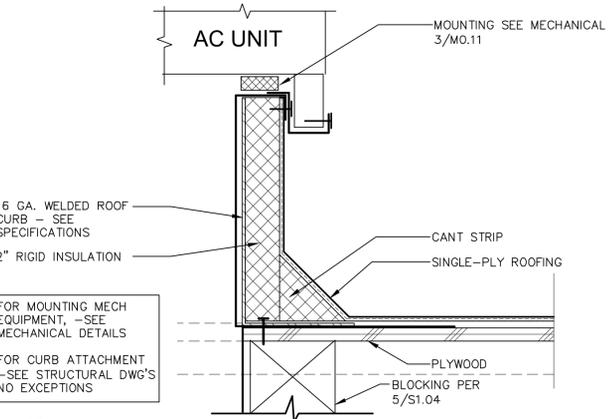
10 H.M. ARCHITECTURAL SCREEN JAMB
ADD141-08 SCALE: 3" = 1'-0"



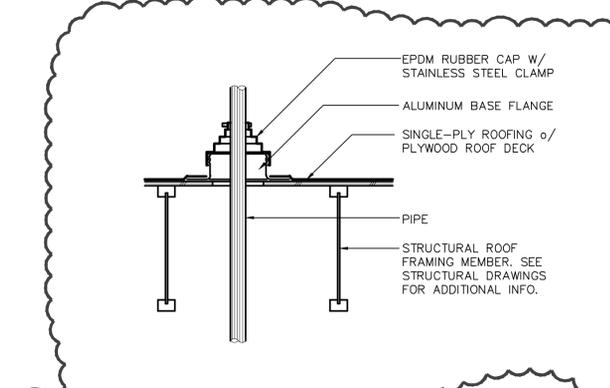
11 H.M. ARCHITECTURAL SCREEN MULLION
ADD141-10 SCALE: 3" = 1'-0"



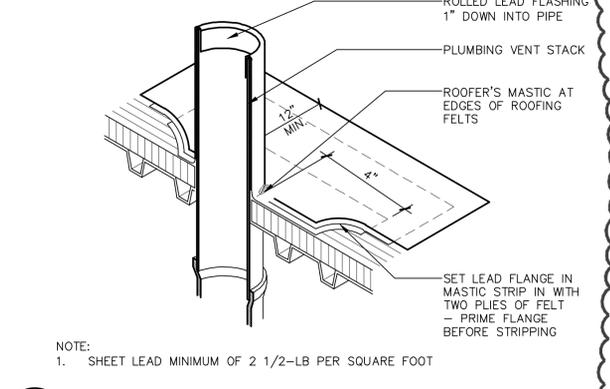
12 H.M. ARCHITECTURAL SCREEN SILL
ADD141-05 SCALE: 3" = 1'-0"



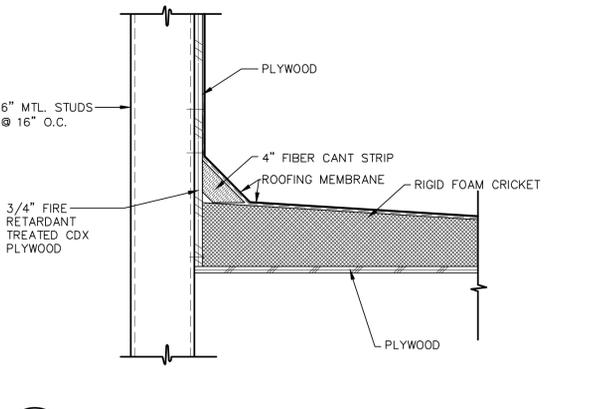
5 A/C CURB
ADR200-20 SCALE: 3" = 1'-0"



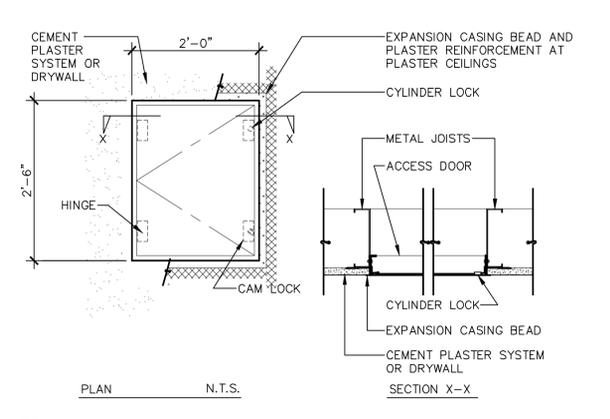
6 DET. AT PIPE PENETRATION
ADR100-02 SCALE: 1" = 1'-0"



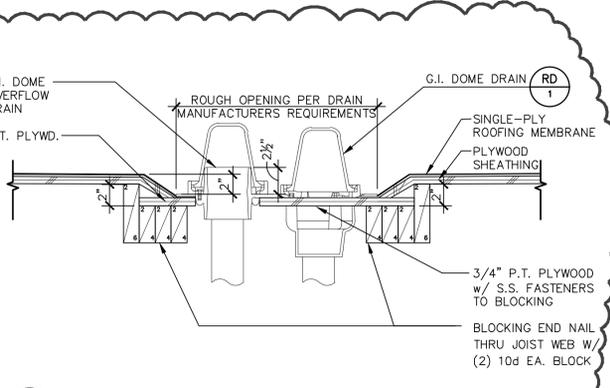
7 PLUMBING VENT FLASHING
ADR100-05 SCALE: 3" = 1'-0"



8 CANT AND CRICKET
ADR133-02 SCALE: 1 1/2" = 1'-0"



1 FLUSH METAL ACCESS DOOR AT CEILING
ADCO30-01 SCALE: 3/4" = 1'-0"



2 ROOF DRAIN
ADR100-04_ADD2 SCALE: 1 1/2" = 1'-0"



4 ROOF TO WALL FLASHING
ADR120-02 SCALE: 3" = 1'-0"

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Project Address:
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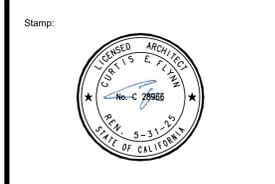
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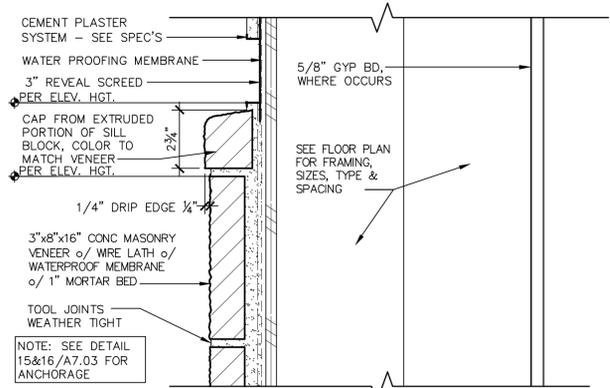
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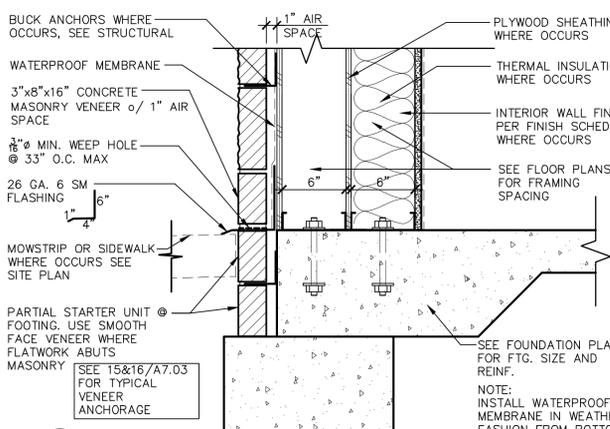
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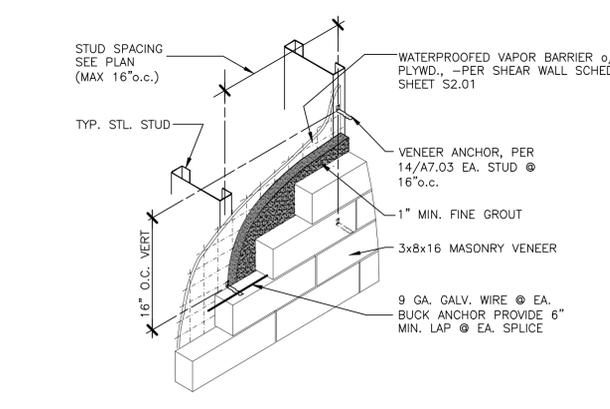
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A7.02



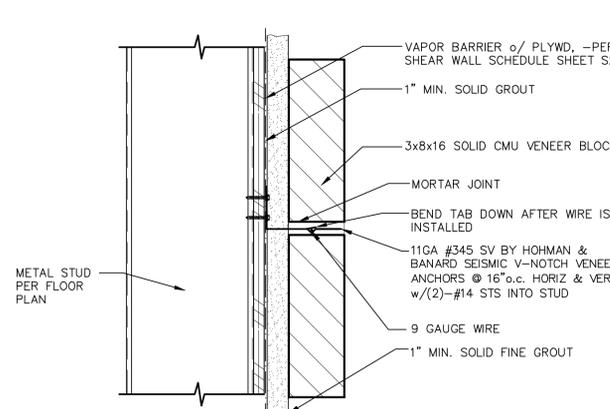
13 CMU VENEER
A7.03 ADW142-03 SCALE: 3" = 1'-0"



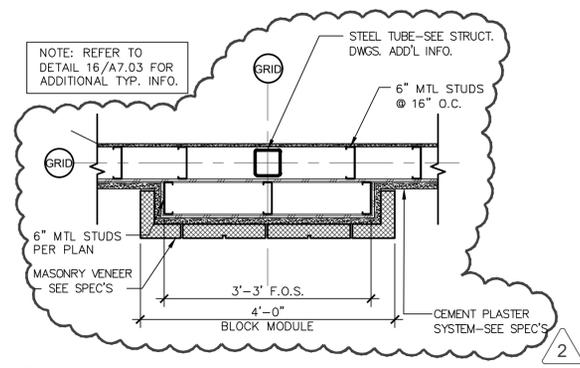
14 CMU VENEER @ BASE
A7.03 ADW142-02 SCALE: 1 1/2" = 1'-0"



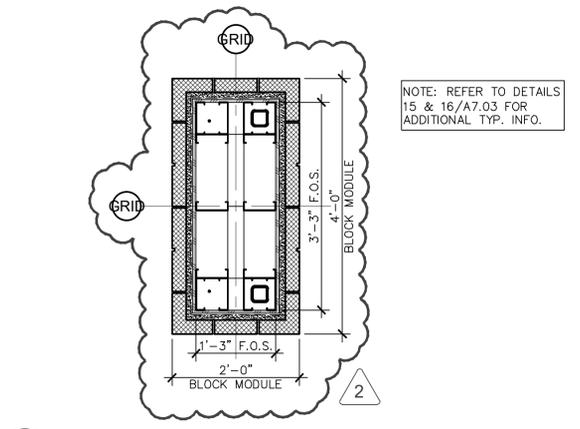
15 VENEER ANCHORAGE @ STEEL STUD
A7.03 ADW132-03



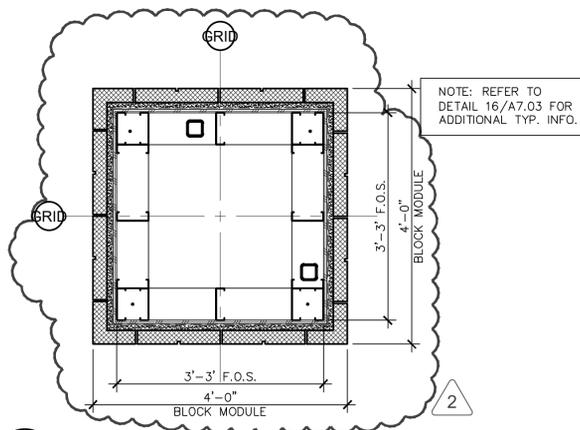
16 VENEER ANCHOR
A7.03 ADW132-02 SCALE: 3" = 1'-0"



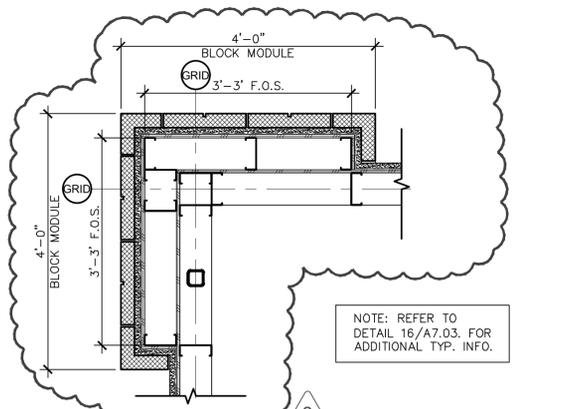
9 PILASTER COLUMN DETAIL
A7.03 ADW132-09 SCALE: 3/4" = 1'-0"



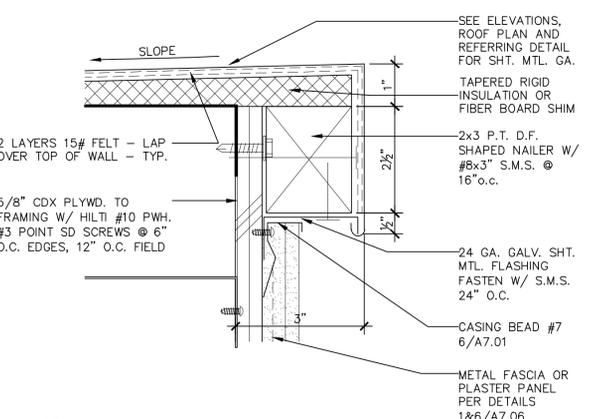
10 COLUMN DETAIL
A7.03 ADW132-05 SCALE: 3/4" = 1'-0"



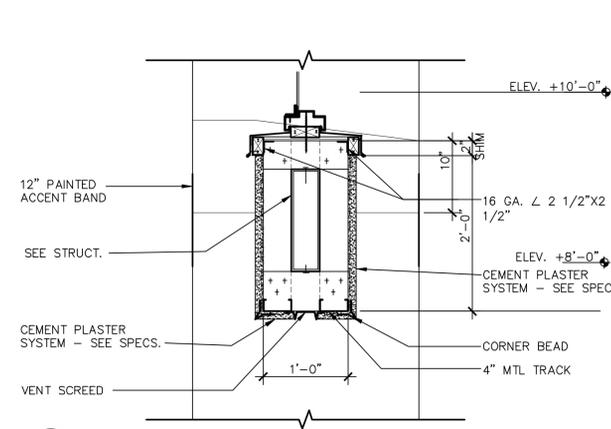
11 PILASTER COLUMN DETAIL
A7.03 ADW132-04 SCALE: 3/4" = 1'-0"



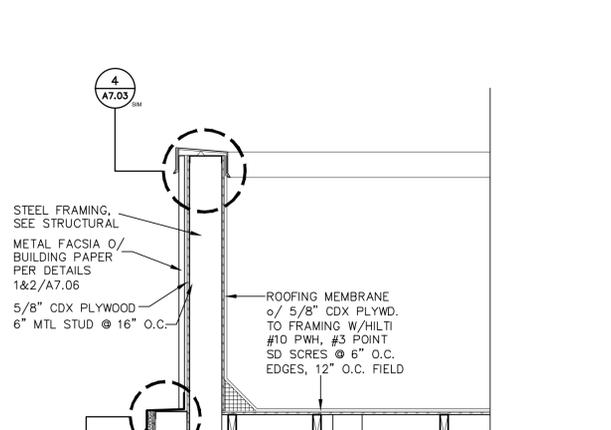
12 PILASTER COLUMN DETAIL
A7.03 ADW132-06 SCALE: 3/4" = 1'-0"



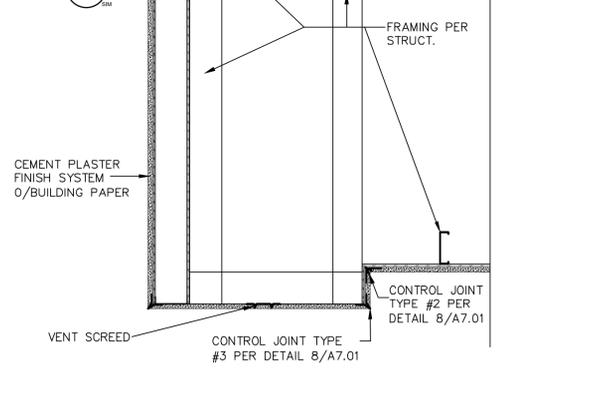
5 COPING CAP FLASHING
A7.03 ADW131-13 SCALE: N.T.S.



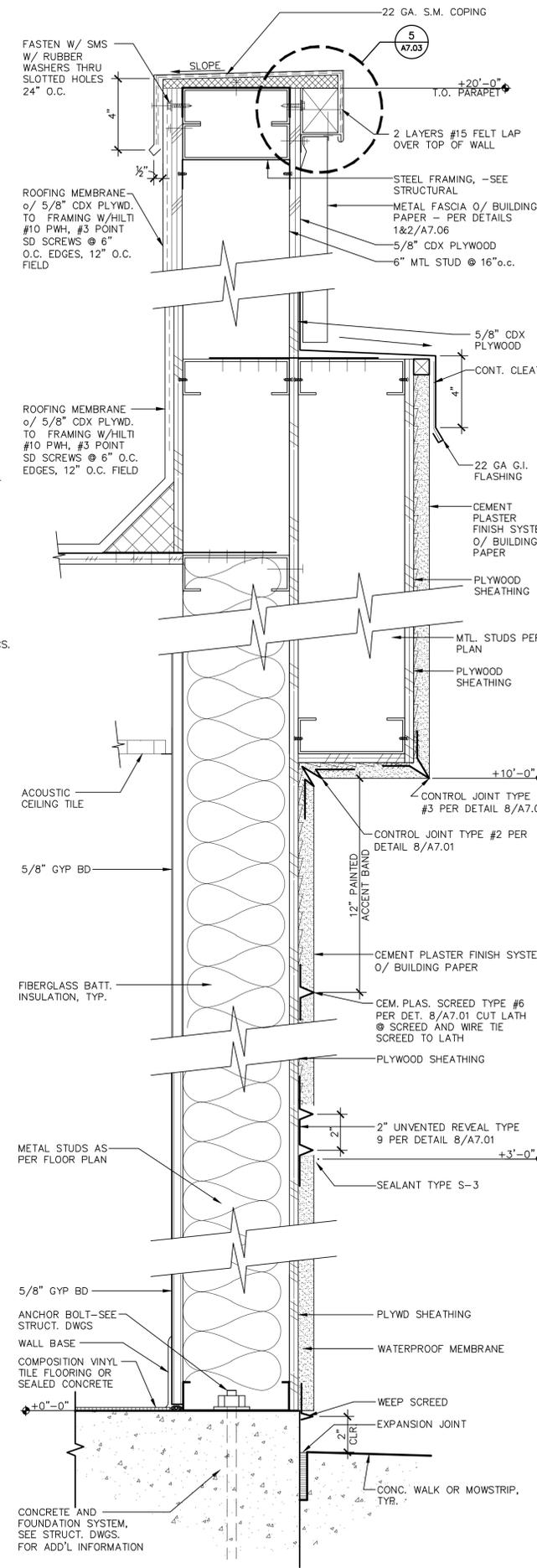
6 BOX BEAM DETAIL
A7.03 ADW131-14 SCALE: 1" = 1'-0"



8 PARAPET FRAMING
A7.03 ADR131-04 SCALE: 3/4" = 1'-0"



4 WALL SECTION
A7.03 ADW131-20 SCALE: 3" = 1'-0"



4 WALL SECTION
A7.03 ADW131-20 SCALE: 3" = 1'-0"

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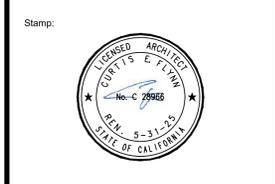
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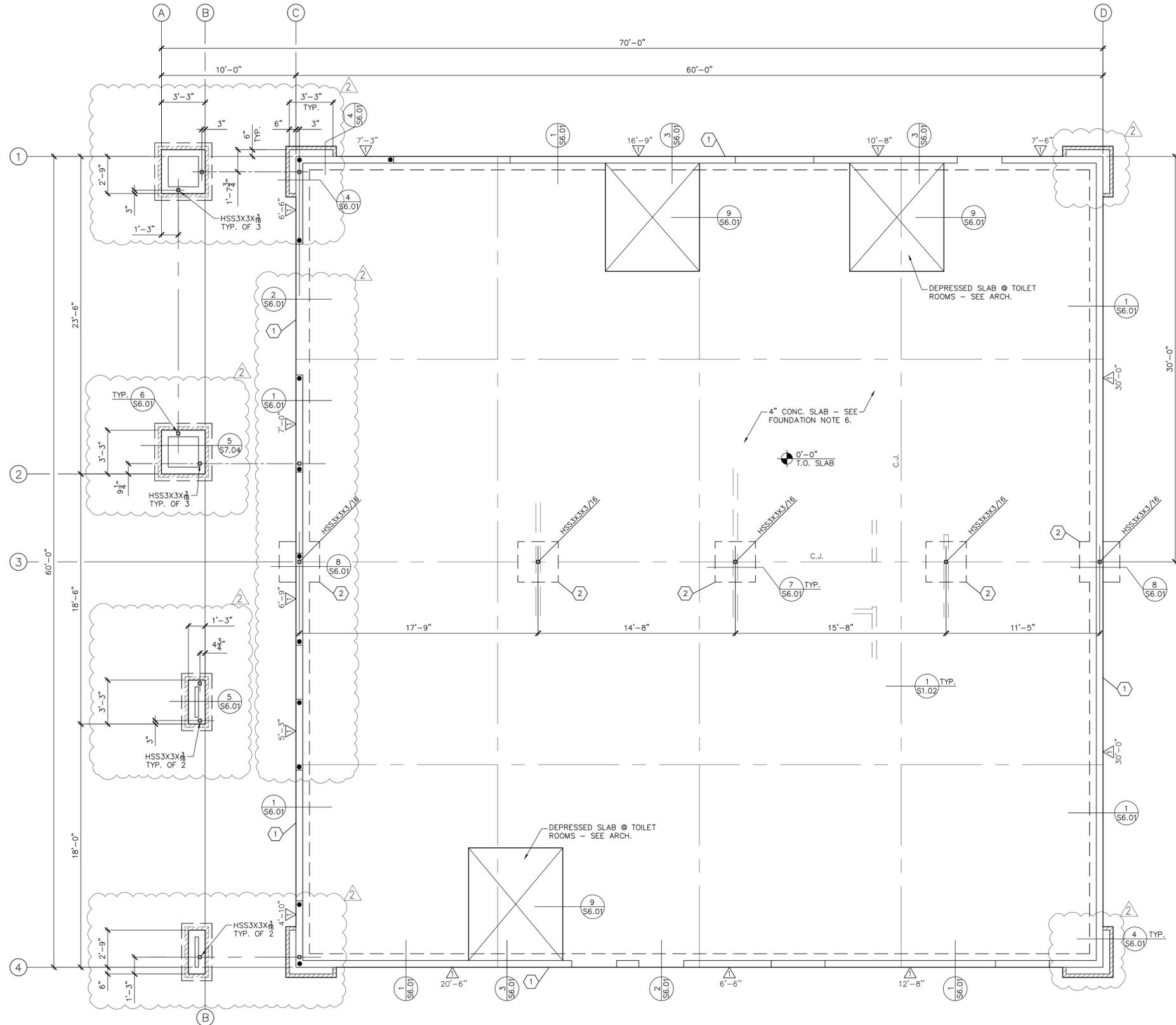
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FOUNDATION PLAN

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

FOUNDATION NOTES

- REFER TO GENERAL NOTES AND TYPICAL DETAILS ON SHEET S1.01 THRU S1.05.
- SEE DETAIL 5/S1.03 WHERE PIPES INTERSECT FOOTING.
- ALL EMBEDDED ITEMS MUST BE TIED IN PLACE AND SECURE PRIOR TO FOUNDATION INSPECTION.
- SEE 1/S1.02 FOR METHOD OF POURING CONCRETE SLABS ON GRADE.
- PLYWOOD WALL SHEATHING IS TO BE APPLIED OVER THE ENTIRE WALL.
- 4" (MIN.) THICK CONCRETE SLAB WITH #3 BARS AT 16"OC EACH WAY SET 1 1/2" DOWN FROM TOP OF SLAB. MAINTAIN MINIMUM SLAB THICKNESS AT SLOPED SLABS.
- DENOTES HOLDOWN TYPE "1" PER "HOLDOWN SCHEDULE", THIS SHEET.
- SEE 10/S1.05 FOR TYPICAL STEEL STUD TO COLUMN CONNECTION.
- ◁ DENOTES SHEAR WALL PER "SHEAR WALL SCHEDULE", THIS SHEET.

WALL SHEATHING SCHEDULE

TYPE	THICKNESS	GRADE	SCREW		ANCHOR SCREWS		REFERENCE	ASD CAPACITY (KIP) WIND / SEISMIC			
			WIDTH	SIZE	DIAM.	EMBED. DEPTH					
1	1/2"	CDX STRUCT 1 PLYWD.	STEEL STUD	#10	SMS	6	12	1/4"	1 1/2"	PER DETAIL SEE 2/S1.04	455 / 356

- NOTES:**
- PROVIDE FRAMING MEMBERS AT MINIMUM WIDTH INDICATED WHERE PLYWOOD SHEETS ARE SPLICED.
 - P.E.S. - PLYWOOD EDGE SCREW SPACING
 - INT - INTERIOR PLYWOOD SCREWS TO SUPPORTS, NOT OTHERWISE SPECIFIED. SEE 2/S1.04 FOR OTHER INFORMATION.
 - SMS - SHEET METAL SCREW (1" MIN. LENGTH)
 - SCREWS USED TO ATTACH SHEATHING SHALL BE IN ACCORDANCE WITH ASTM C1513.
 - 1 1/2" PLYWOOD IS ACCEPTABLE WITH DIMENSIONAL CONSIDERATION.

FOOTING SCHEDULE

MARK	PLAN DIM.	MIN. DEPTH	REINFORCEMENT
1	1'-0" WD.	1'-6"	2-#5 CONT. TOP & BOT.
2	3'-0" SQ.	1'-6"	3-#5 EA. WAY BOT.

HOLDOWN SCHEDULE

TYPE	SIMPSON HOLDOWN	MIN. POST	FASTENERS		ANCHOR BOLTS	DETAIL REFERENCE
			SCREWS TO POST ³			
1	S/HDU6	DBL. 600S162-68	12	#14	5/8"ø	8/S1.03

- NOTES:**
- INSTALL HOLDOWN IMMEDIATELY ADJACENT TO END OF WALL, AS SHOWN ON FOUNDATION PLAN, ATTACH TO POST.
 - INSTALL PER MANUFACTURERS REQUIREMENTS AND GUIDELINES.
 - PROVIDE PLYWOOD EDGE SCREWS TO POST AT HOLDOWN.
 - REFERS TO HOLDOWN TYPE 1.

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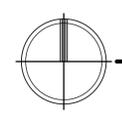
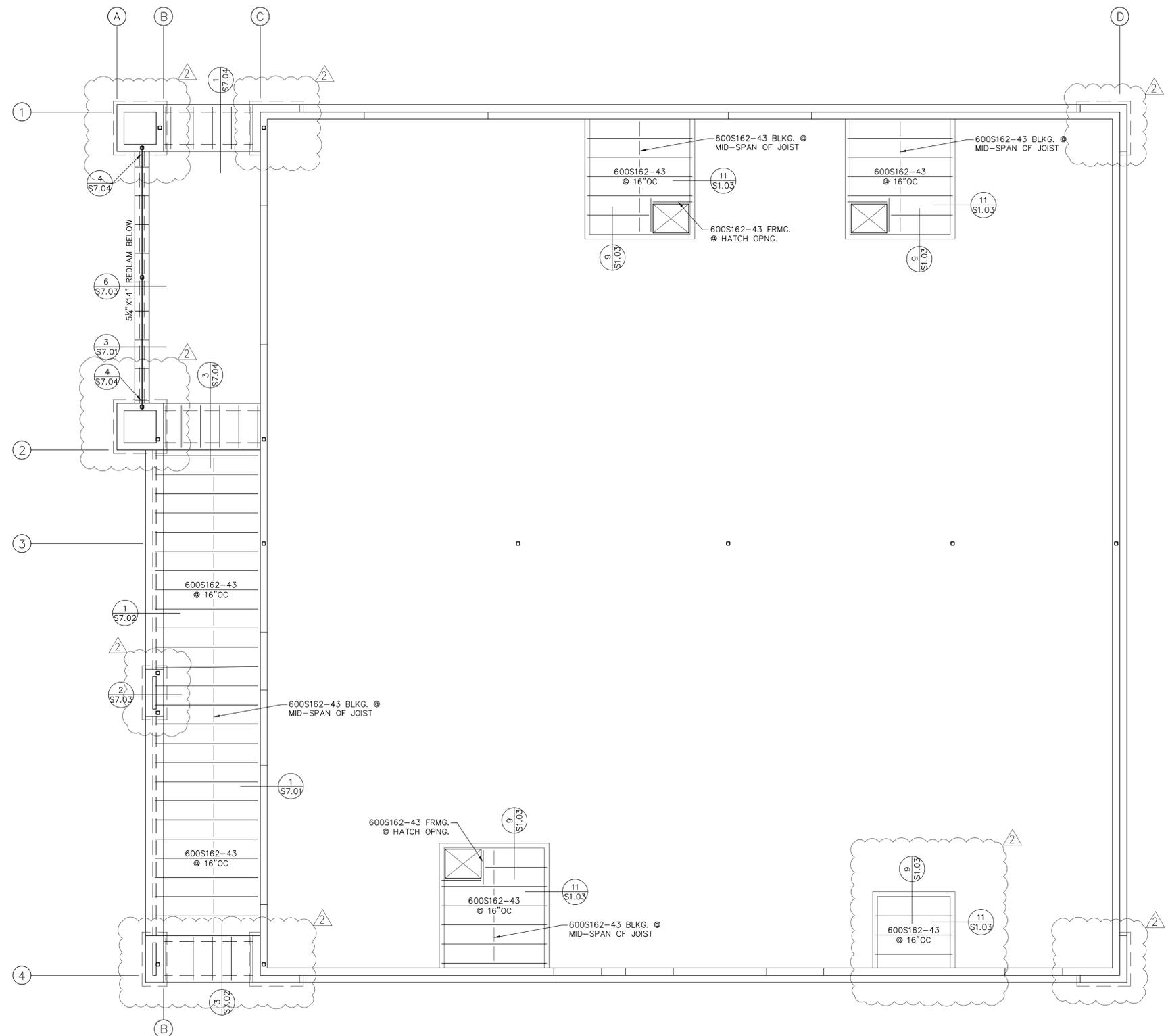
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FOUNDATION PLAN

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5527

Sheet No.:
S2.01



CEILING FRAMING PLAN

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

CEILING FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEETS S1.01 THRU S1.05.
2. CONTRACTOR SHALL VERIFY FIRE SPRINKLER LINE LAYOUT AND PROVIDE FOR ADDITIONAL FRAMING AS REQUIRED FOR PROPER SUPPORT.
3. CONTRACTOR SHALL VERIFY AND COORDINATE THE LOCATIONS OF ALL ROOF SUPPORTED MECHANICAL AND ELECTRICAL EQUIPMENT.

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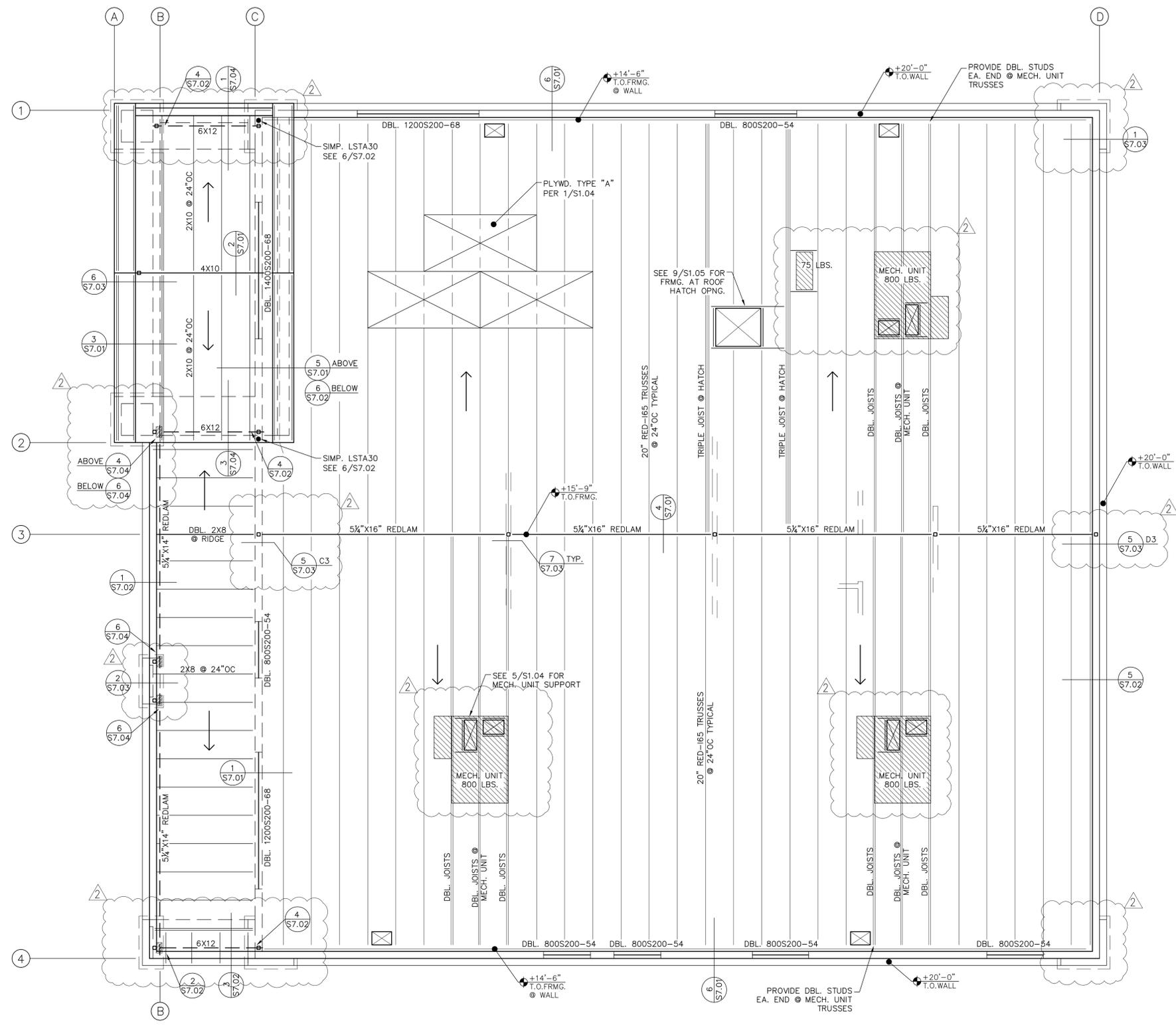
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ROOF FRAMING PLAN

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

ROOF FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEETS S1.01 THRU S1.05.
2. ALL ROOF FRAMING SPACES AS SHOWN ON PLANS SHALL BE AS MEASURED ON OF SLOPE.
3. ALL ROOF SHEATHING SHALL BE TYPE "A" PER DETAIL 1/S1.04, U.N.O.
4. SEE DETAIL 9/S1.05 FOR TYPICAL FRAMING AT ROOF OPENINGS.
5. CONTRACTOR SHALL VERIFY FIRE SPRINKLER LINE LAYOUT AND PROVIDE FOR ADDITIONAL FRAMING AS REQUIRED FOR PROPER SUPPORT.
6. CONTRACTOR SHALL VERIFY AND COORDINATE THE WEIGHTS & LOCATIONS OF ALL ROOF SUPPORTED MECHANICAL AND ELECTRICAL UNITS AND PROVIDE ADDITIONAL FRAMING AS REQUIRED FOR PROPER SUPPORT.
7. → REPRESENTS DIRECTION OF DOWNWARD SLOPE.
8. ALL POST TO BEAM CONNECTIONS SHALL HAVE SIMPSON PC OR EPC CONNECTORS, U.N.O..
9. USE SPLICE PER 6/S1.05 TYPICAL, U.N.O.
10. ALL WALLS SHALL BE 600S162-43 STUDS @ 16"OC, U.N.O.
11. PROVIDE COMPLETE TRUSS DRAWINGS AND CALCULATIONS. TRUSS DRAWINGS MUST BE APPROVED WITHIN 30 DAYS OF PERMIT ISSUANCE. NO INSPECTIONS WILL BE PERFORMED IF TRUSS DRAWINGS ARE NOT APPROVED AFTER 30 DAYS. TRUSS DRAWINGS MUST INCLUDE THE HANGERS FOR TRUSSES.
12. APPROVED TRUSS DRAWINGS MUST BE ON JOB SITE FOR INSPECTION PURPOSES.

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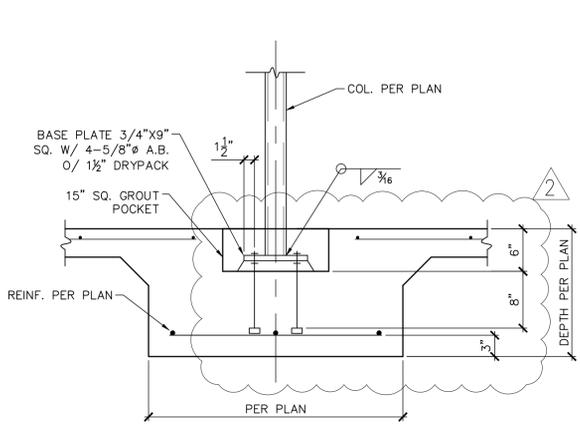
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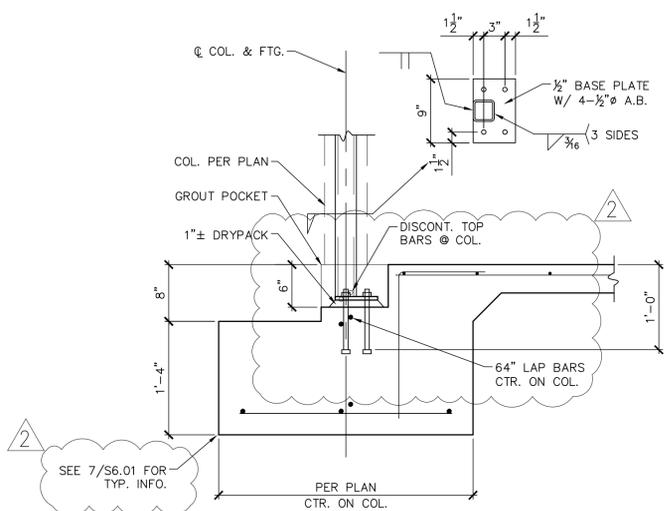
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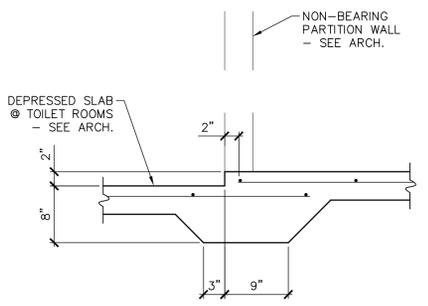
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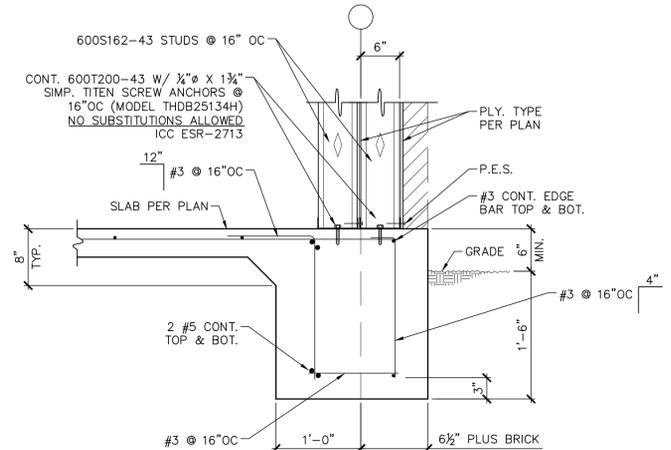
DETAIL 7
SCALE: 1"=1'-0"



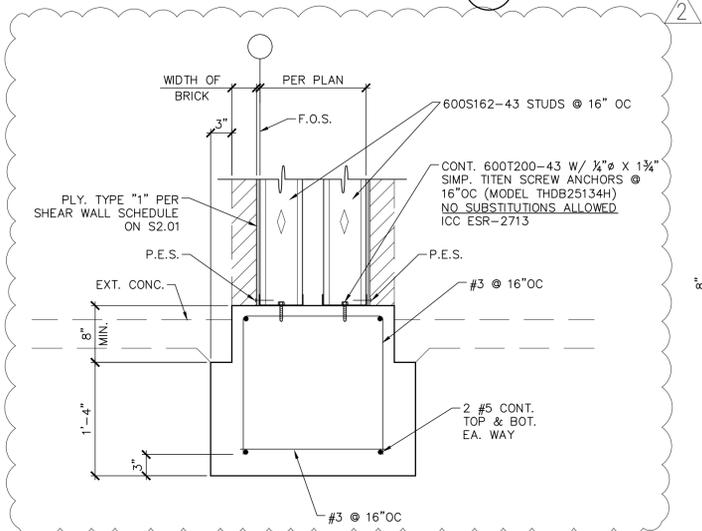
DETAIL 8
SCALE: 1"=1'-0"



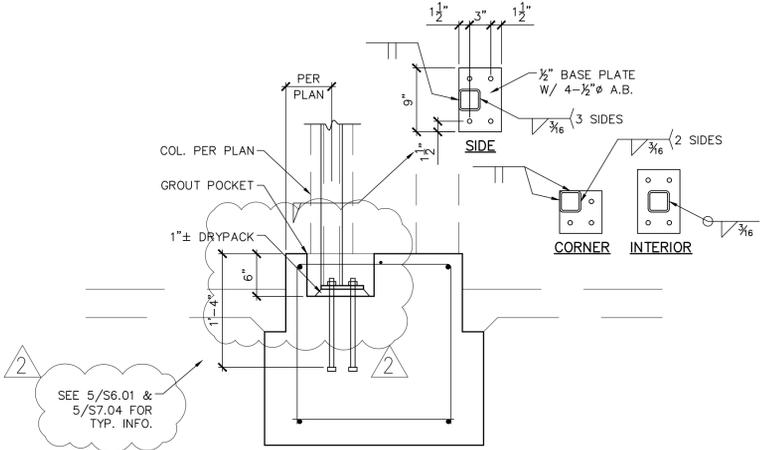
DETAIL 9
SCALE: 1"=1'-0"



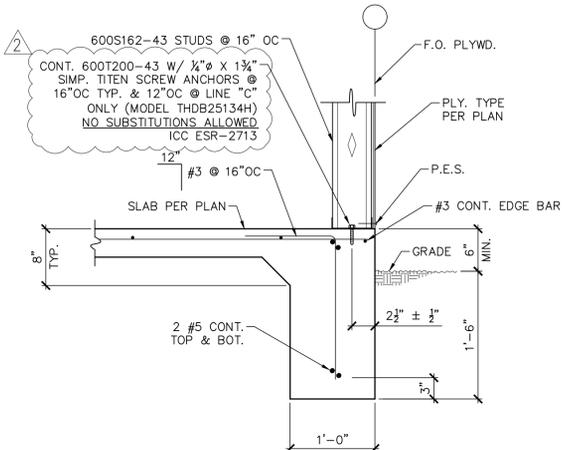
DETAIL 4
SCALE: 1"=1'-0"



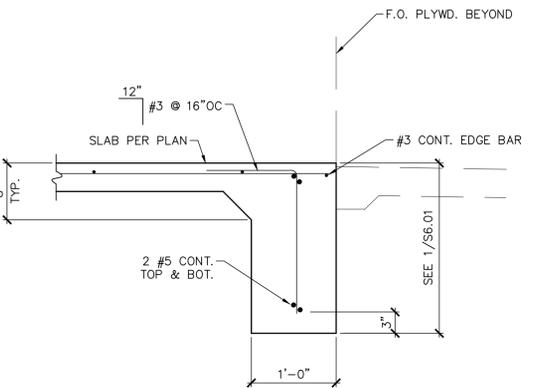
DETAIL 5
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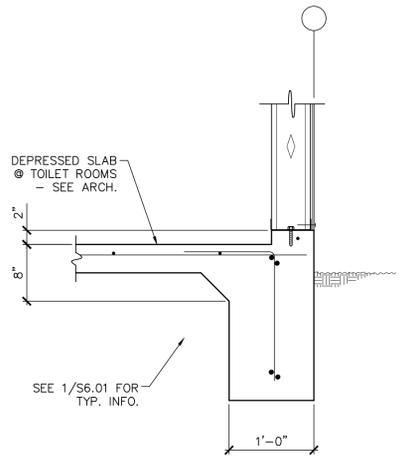
DETAIL 6
SCALE: 1"=1'-0"



DETAIL 1
SCALE: 1"=1'-0"



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



DETAIL 3
SCALE: 1"=1'-0"

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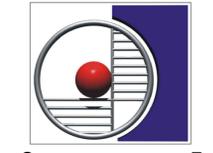
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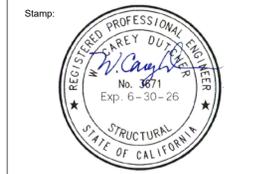


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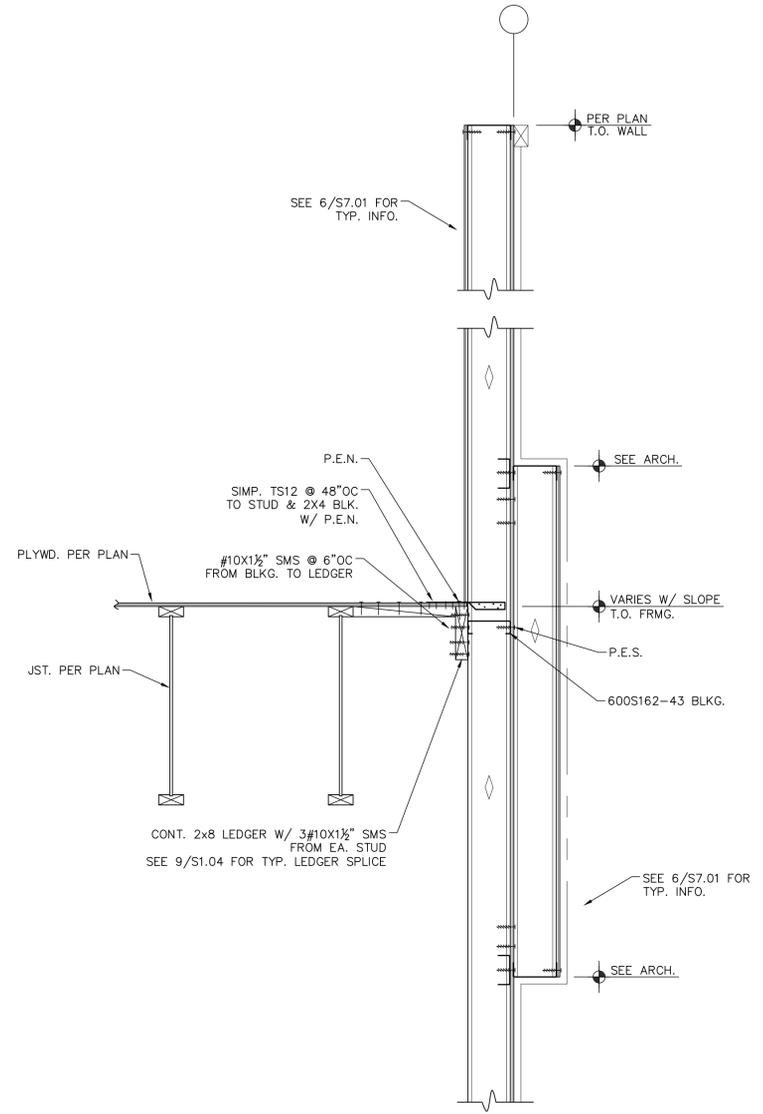
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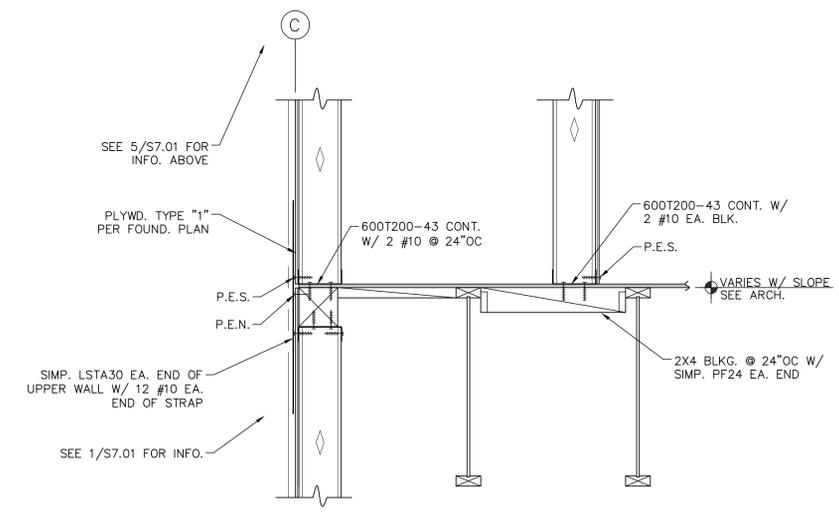
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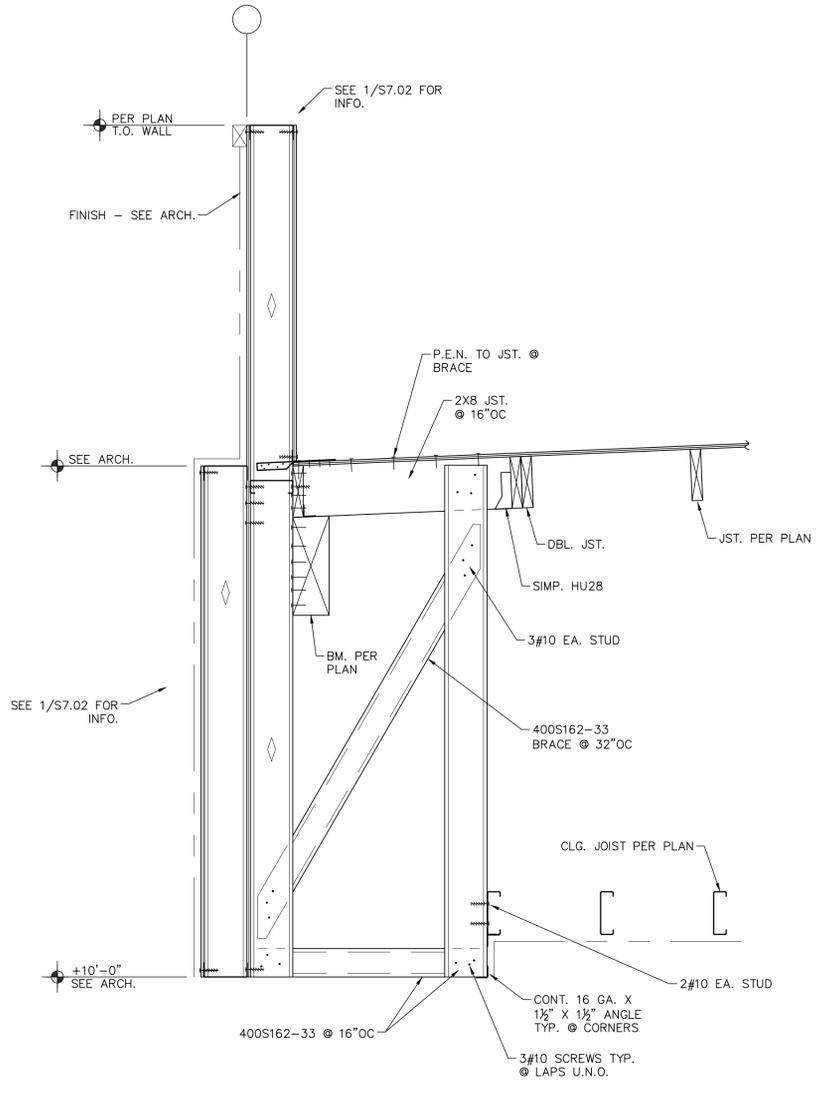
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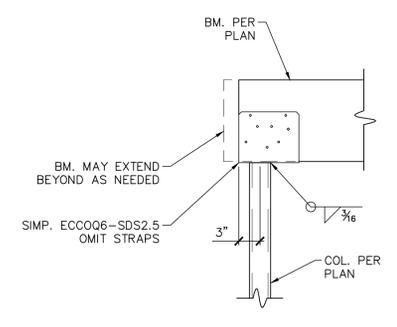
DETAIL 5
SCALE: 1"=1'-0" S7.02



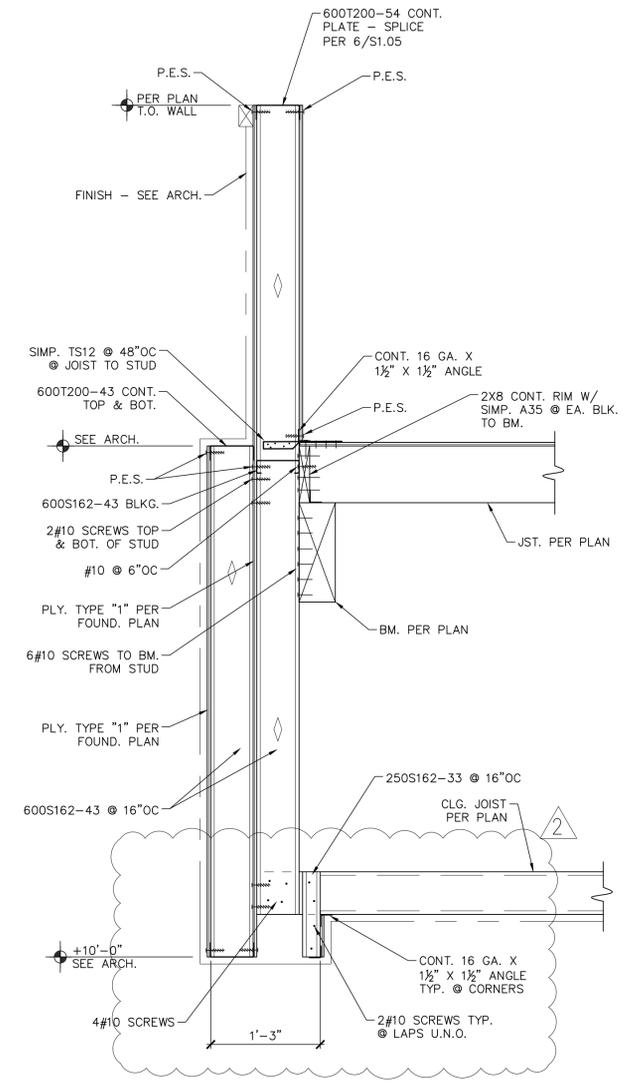
DETAIL 6
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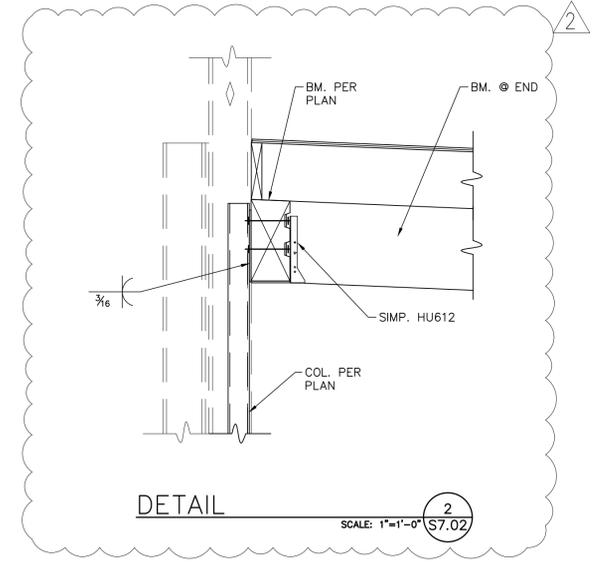
DETAIL 3
SCALE: 1"=1'-0" S7.02



DETAIL 4
SCALE: 1"=1'-0" S7.02



DETAIL 1
SCALE: 1"=1'-0" S7.02



DETAIL 2
SCALE: 1"=1'-0" S7.02

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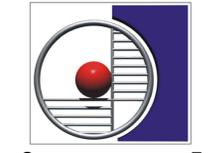
Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST.
BAKERSFIELD, CA 93305

Project Name & Address:
WELLNESS CENTER

DR. MARTIN LUTHER KING JR. ELEMENTARY

1100 CITADELL,
BAKERSFIELD, CA 93307



integrated designs
by SOMAM, Inc.

**ARCHITECTURE
ENGINEERING
INTERIOR DESIGN**

6011 N. FRESNO STREET, SUITE 130
FRESNO CALIFORNIA 93710
P:(559) 436-0881 F:(559) 436-0887
E: design@somam.com
integrateddesigns.com

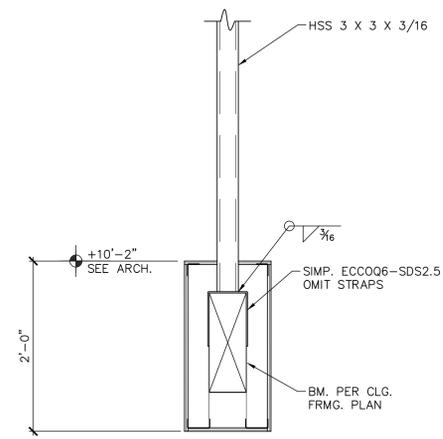
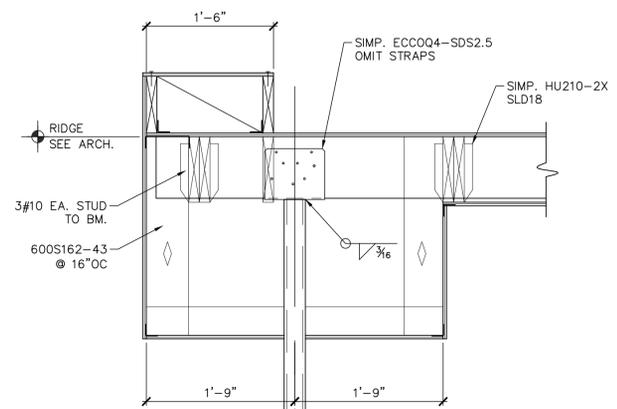
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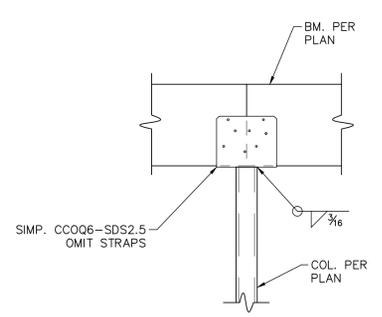
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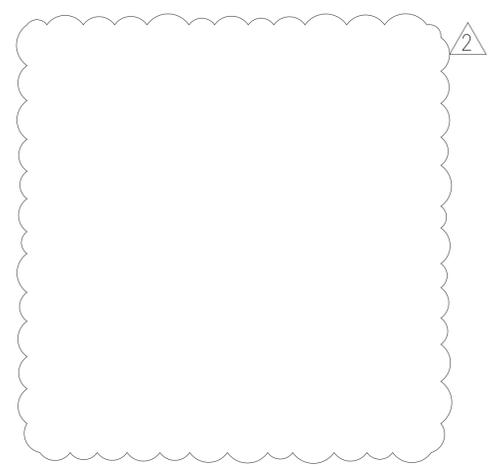
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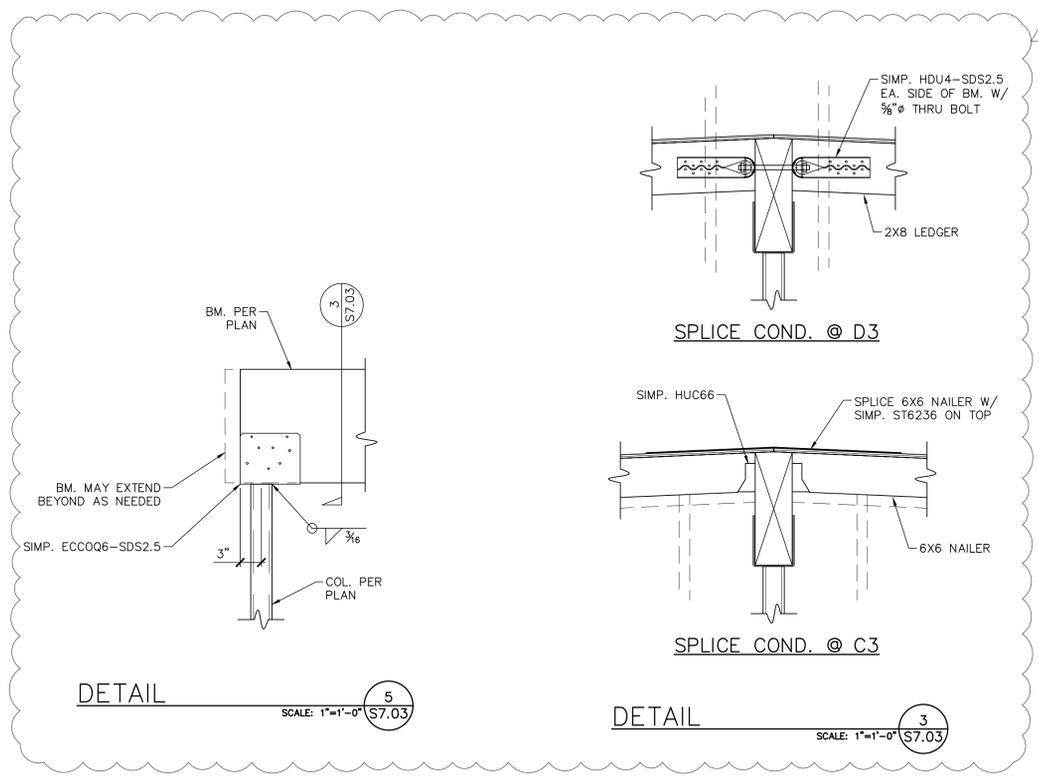
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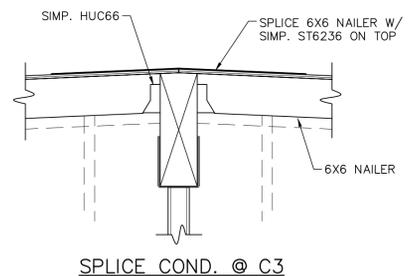
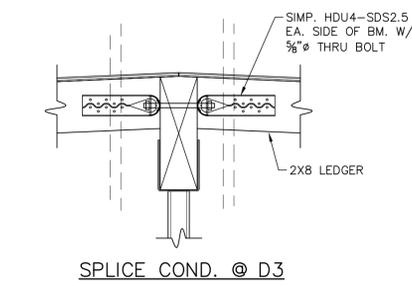
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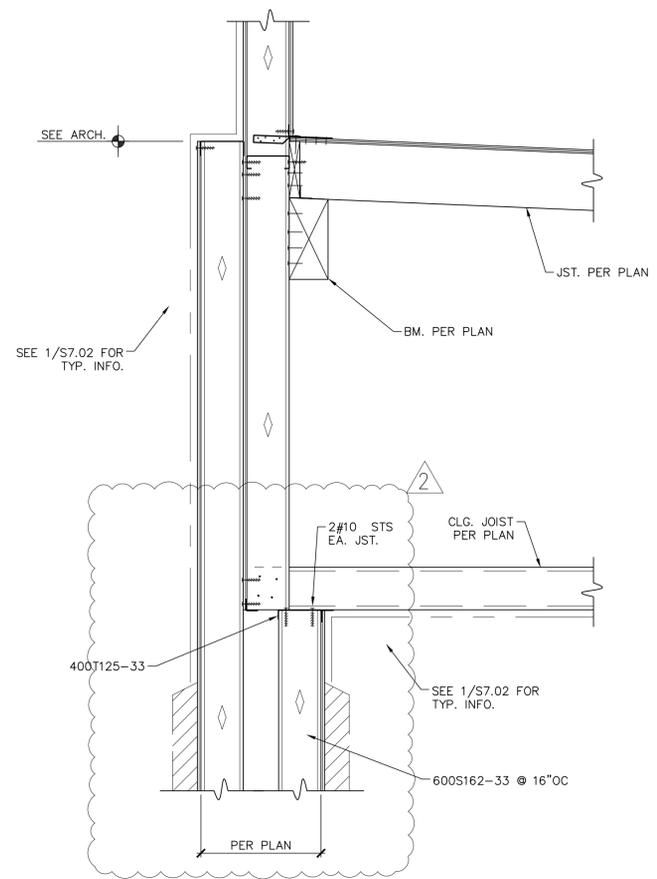
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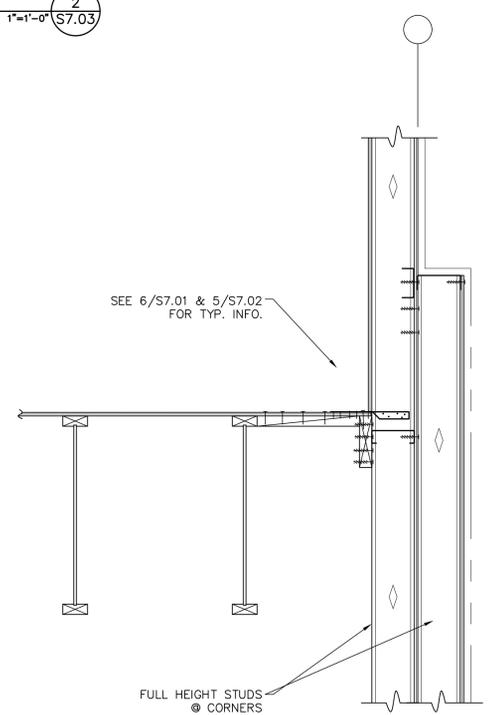
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DETAIL SCALE: 1"=1'-0" S7.03 2



DETAIL SCALE: 1"=1'-0" S7.03 1

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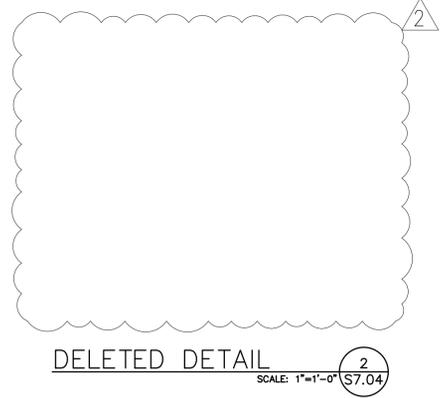
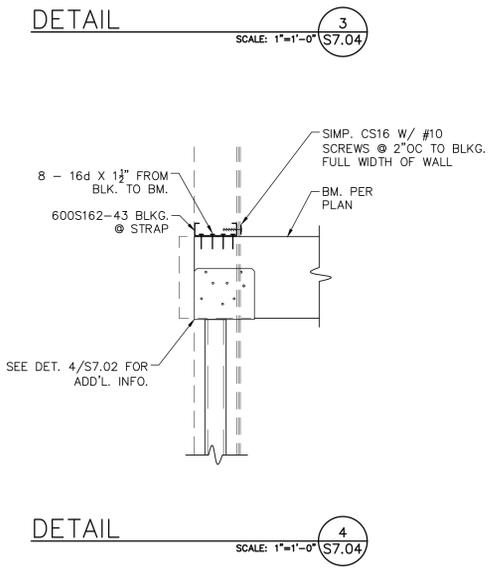
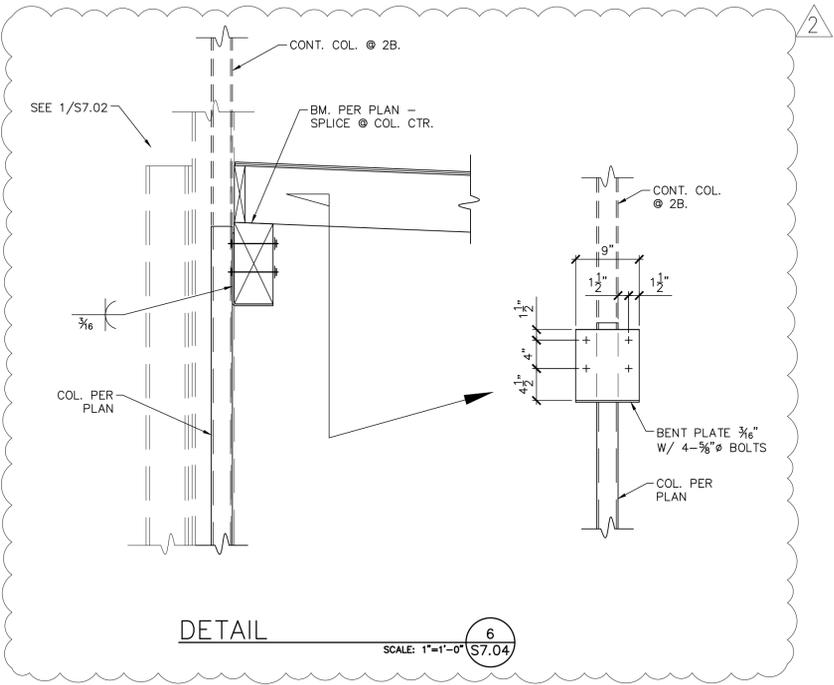
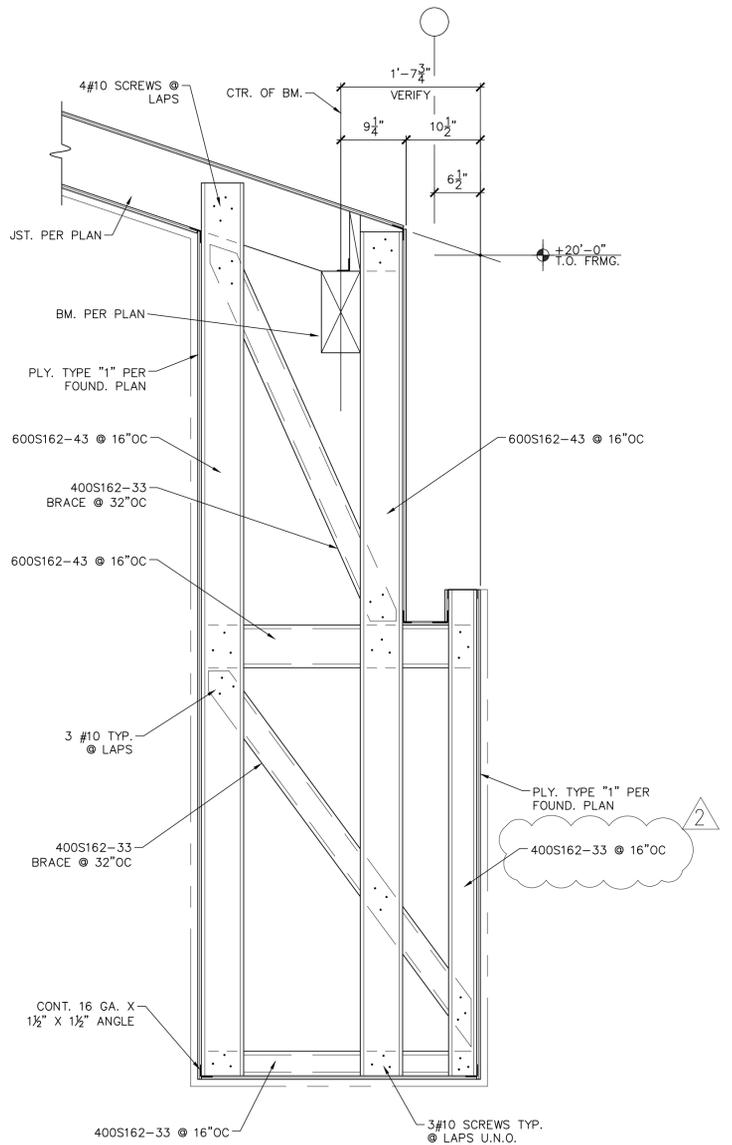
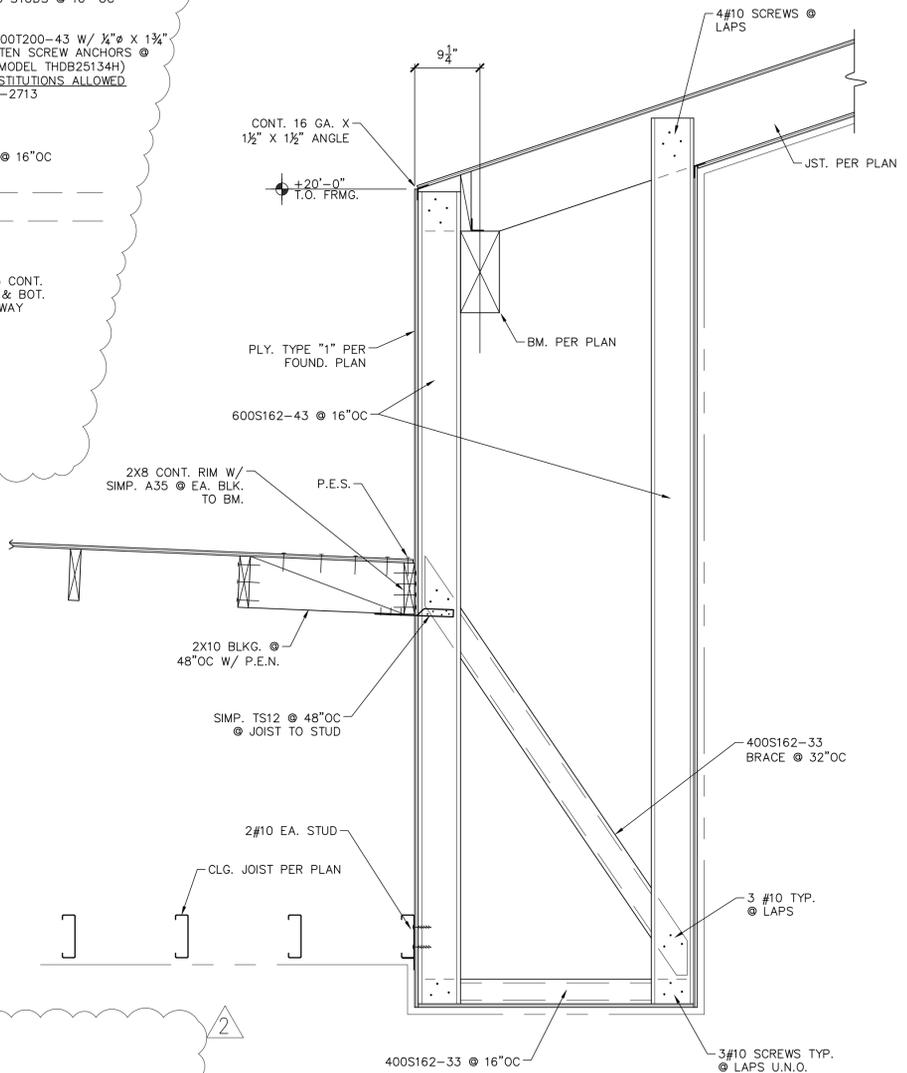
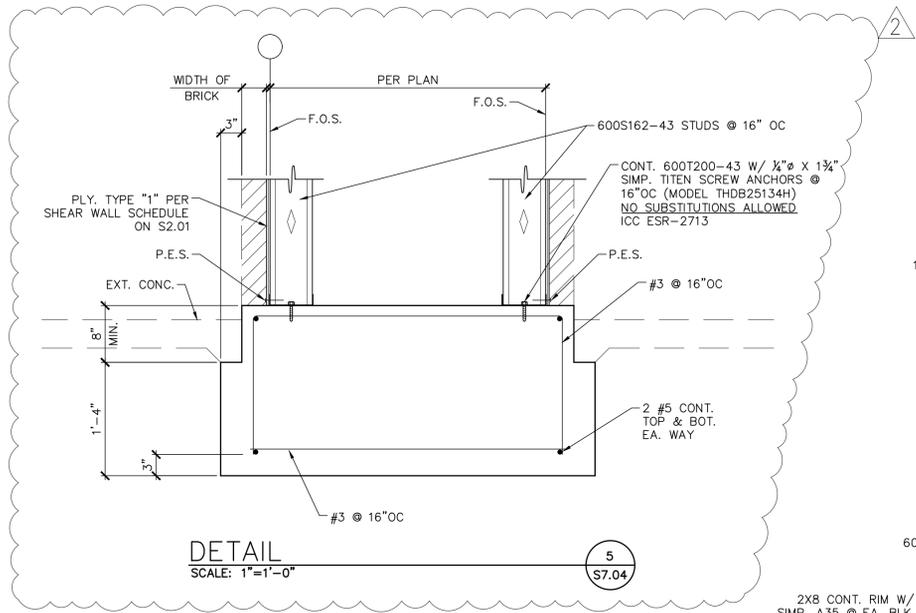
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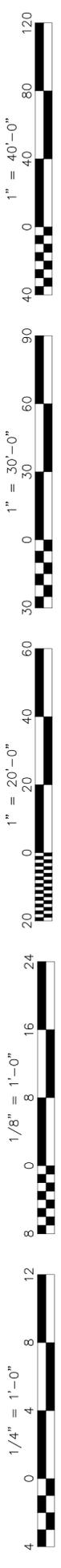
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PLUMBING FIXTURE & EQUIPMENT SCHEDULE						
MARK	FIXTURE	CONNECTIONS				DESCRIPTION
		CW	HW	W	V	
WC 1	WATER CLOSET ADA	1"	-	4"	2"	KOHLER K-96057-SS "HIGHCLIFF ULTRA" WITH ANTIMICROBIAL FINISH. ELONGATED BOWL. FLOOR MOUNT. 1.1 TO 1.6 GPF. SLOAN "ROYAL" 111-1.28 FLUSH VALVE WITH HANDLE POINTED TOWARDS WIDE SIDE OF STALL. BEMIS 1655SSCT EXTRA HEAVY DUTY OPEN FRONT SEAT.
L 1	LAVATORY ADA	1/2"	1/2"	2"	1-1/2"	KOHLER K-2005 "KINGSTON", 21"x18" WALL HUNG VITREOUS CHINA WITH 4" CENTERS. MCGUIRE 155A GRID DRAIN AND TAILPIECE. CHICAGO 420-T41E2805ABCP 0.5 GPM FAUCET WITH HOT WATER LIMIT SET TO 105F. INTEGRAL INLET CHECK VALVES. SINGLE LEVER WITH VANDAL PROOF NON-AERATING OUTLET. PROVIDE J.R. SMITH 723 CONCEALED ARMS AND STEEL SUPPORT PLATE PER XMO.11 FOR FIXTURE MOUNTING. REFER TO ARCHITECTURAL PLANS FOR ACCESSIBLE MOUNTING HEIGHT.
S 1	SINK ADA	1/2"	1/2"	2"	1-1/2"	JUST SLF-ADA-2119-A-GR SINGLE COMPARTMENT 18 GAUGE STAINLESS STEEL, 16"x16"x6-1/2" DEEP BOWL SIZE. THREE FAUCET HOLES ON 4" CENTERS. J-35-GS BASKET STRAINER. CHICAGO 786-GN8AE36ABCP 1.5 GPM, 8" SWIVEL GOOSENECK SPOUT WITH NON-AERATING LAMINAR OUTLET, 4" WRIST BLADE HANDLES.
S 2	SINK ADA	1/2"	1/2"	2"	1-1/2"	JUST SLF-ADA-2225-A-GR SINGLE COMPARTMENT 18 GAUGE STAINLESS STEEL, 16"x22"x6-1/2" DEEP BOWL SIZE. THREE FAUCET HOLES ON 4" CENTERS. PROVIDE J-35-GS-316 CLIP STRAINER. CHICAGO 786-GN8AE36ABCP 1.5 GPM, 8" SWIVEL GOOSENECK SPOUT WITH NON-AERATING LAMINAR OUTLET, 4" WRIST BLADE HANDLES.
S 3	LAUNDRY SINK	1/2"	1/2"	4"	2"	KOHLER K-19017-3 "GLEN FALLS", 25"x22"x13" DEEP CAST IRON WITH ENAMEL FINISH. PROVIDE K-8799 REMOVABLE BASKET STRAINER WITH OPEN/CLOSE STOPPER. CHICAGO 527-317ABCP POLISHED CHROME DOUBLE BEND FAUCET WITH 6" SWING SPOUT, 4" WRIST BLADE HANDLES.
ST 1	SINK TRIM	1/2"	-	-	-	CHICAGO 712-ABCP GLASS FILLER FAUCET WITH DECK FLANGE. SET ADJUSTABLE FLOW CONTROL TO 1.0 GPM. COATED METAL PUSH-BACK HANDLE WITH LOCKING CLIP.
MS 1	MOP SINK	1/2"	1/2"	3"	2"	KOHLER K-6710 "WHITBY", 28"x28" CORNER FLOOR MOUNT. ACID RESISTANT ENAMELED CAST IRON MOP SINK. PROVIDE K-8940 RIM GUARD AND K-9146 STRAINER DRAIN. CHICAGO 897-CCP WALL MOUNT POLISHED CHROME FAUCET WITH VACUUM BREAKER, PAIL HOOK, WALL BRACE AND INTEGRAL SUPPLY STOPS. FLORESTONE MR-370 60" HOSE WITH WALL BRACKET.
DF 1	DRINKING FOUNTAIN ADA	1/2"	-	2"	1-1/2"	HAWS 1119.14 WITH 1920, BP32 AND 6469 HI-LO WALL MOUNT DRINKING FOUNTAIN WITH BOTTLE FILLER, DRIP TRAY, BACK PANELS, 14 GAUGE STAINLESS STEEL. PUSH BUTTON OPERATION, VANDAL RESISTANT BUBBLER HEADS AND WASTE STRAINERS, INTEGRAL TRAPS. PROVIDE 6700.4 AND 6700.4L MOUNTING PLATES, 6800 MOUNTING SUPPORT. REFER TO ARCHITECTURAL PLANS FOR ACCESSIBLE MOUNTING HEIGHT.
WMB 1	WASHING MACHINE BOX	3/4"	3/4"	2"	1-1/2"	GUY GRAY MODEL T200, 20 GAUGE STEEL RECESSED SUPPLY AND DRAIN BOX WITH WHITE POWDER COAT FINISH. INSTALL VALVES FOR BOTTOM SUPPLY.
HB 1	HOSE BIBB	3/4"	-	-	-	J.R. SMITH 5573 RECESSED WALL FAUCET IN CONCEALED STAINLESS STEEL BOX WITH LOCKING DOOR, VACUUM BREAKER, REMOVABLE HANDWHEEL, AND TEE KEY.
HB 2	HOSE BIBB	3/4"	-	-	-	WOODFORD MODEL Y24-BR ROUGH BRASS STANDPIPE FAUCET, 3/4" ANTI-SIPHON VACUUM BREAKER, METAL HANDWHEEL, AND LOOSE TEE KEY.
WHA 1	WATER HAMMER ARRESTER	1/2"	-	-	-	SIOUX CHIEF HYDRA-RESTER 852-AS. SEAMLESS COPPER CHAMBER APPROVED FOR CONCEALED INSTALLATION. UP TO 11 FIXTURE UNITS. INSTALL IN UPWARD POSITION.
FD 1	FLOOR DRAIN	1/2"	-	2"	1-1/2"	J.R. SMITH 2005(B)-P050-BHP 5" SQUARE NICKEL BRONZE STRAINER HEAD, DUOCO CAST IRON BODY WITH FLASHING COLLAR. TRAP PRIMER CONNECTION, HEEL PROOF GRATE.
TP 1	TRAP PRIMER	1/2"	-	-	-	PRECISION PLUMBING PRODUCTS P1-500 VALVE. PROVIDE DU-U DISTRIBUTION UNIT WHEN MORE THAN ONE DRAIN IS SERVED. UP TO 4 DRAINS PER DISTRIBUTION UNIT. PLUG UNUSED OUTLETS AS REQUIRED. PROVIDE WALL ACCESS DOOR. REFER TO PLANS FOR NUMBER OF DRAINS SERVED.
RD 1	COMBINATION ROOF & OVERFLOW DRAIN	-	-	-	-	J.R. SMITH SERIES 148 COMBINATION ROOF AND OVERFLOW DRAIN. CAST IRON. FLASHING CLAMPS, GRAVEL STOPS, AND ENAMEL PAINT FOR OUTDOOR PROTECTION. PROVIDE 148-10 OVERFLOW DOME. SEE PLANS FOR OUTLET SIZE.
WH 1	WATER HEATER	3/4"	3/4"	-	-	STATE PCE-50-20LS, 48 GALLON RATED STORAGE CAPACITY, 61 GPH RECOVERY AT 80°F RISE, 3/4" ASME RATED FACTORY T&P RELIEF VALVE, 26-1/2" DIA x 36 HIGH. OPERATING WEIGHT: 800 LBS. ELEC ELEMENTS: 480V, 3 PH, 12 KW
TET 1	THERMAL EXPANSION TANK	3/4"	-	-	-	AMTROL ST-12C THERM-X-TROL, 6.4 GALLON WITH 0.5 ACCEPTANCE FACTOR. ASME RATED WITH INLINE CONNECTIONS, 150 PSIG WORKING PRESSURE, NSF 61 COMPLIANT BLADDER FOR POTABLE WATER USE. OPERATING WEIGHT: 70 LBS
CP 1	CIRCULATING PUMP	-	3/4"	-	-	GRUNDFOS UPS26-99SFC 3-SPEED STAINLESS STEEL INLINE PUMP WITH INTEGRAL CHECK VALVE, 3/4" FLANGE CONNECTIONS, 5 GPM AT 26 FEET HEAD, NSF 61 COMPLIANT. ELEC: 115V, 1 PH, 197 WATTS

PACKAGE AIR COND UNIT SCHED				
MARK	AC			
	1	2	3	
VOLTS/PHASE	460/3	460/3	460/3	
MCA / MOCP	23 / 25	23 / 25	23 / 25	
FLA / LRA	21 / 53	21 / 53	21 / 53	
FUSE SIZE	25	25	25	
BLOWER:				
CFM	1600	1600	1600	
DUCT SP (IN WC)	0.8	0.8	0.8	
MINIMUM OSA (CFM)	150	150	150	
HP / BHP	1 / 0.79	1 / 0.79	1 / 0.79	
DRIVE	DIRECT	DIRECT	DIRECT	
COOLING:	2 STAGES	2 STAGES	2 STAGES	
TOTAL (MBH)	44.5	44.5	44.5	
SENSIBLE (MBH)	35	35	35	
EADB / EAWB (°F)	80 / 67	80 / 67	80 / 67	
AMBIENT DB (°F)	105	105	105	
REFRIGERANT	R410A	R410A	R410A	
CONDENSATE CONN	3/4"	3/4"	3/4"	
SEER / EER AT AHRI	16.2 / 12.2	16.2 / 12.2	16.2 / 12.2	
HEATING:				
CAPACITY (MBH)	45.6	45.6	45.6	
EADB (°F)	70	70	70	
AMBIENT DB (°F)	47	47	47	
STRIP HEATER (KW)	5.5	5.5	5.5	
HSPF / COP	8.3 / 3.7	8.3 / 3.7	8.3 / 3.7	
FILTERS:				
RA: QUANTITY / SIZE	4 / 16x16x2	4 / 16x16x2	4 / 16x16x2	
TYPE	MERV 13	MERV 13	MERV 13	
PD, CLEAN (IN WC)	0.3	0.3	0.3	
OSA: QUANTITY / SIZE	1 / 20x24x1	1 / 20x24x1	1 / 20x24x1	
TYPE	WASHABLE	WASHABLE	WASHABLE	
MANUFACTURER CARRIER CARRIER CARRIER				
TYPE HEAT PUMP HEAT PUMP HEAT PUMP				
MODEL NUMBER	50GCOM05 - OFCI	50GCOM05 - OFCI	50GCOM05 - OFCI	
CONTROL	T'STAT (6)	T'STAT (6)	T'STAT (6)	
OP WEIGHT (LBS)	SEE PLANS	SEE PLANS	SEE PLANS	
ACCESSORIES	(1),(2),(3),(4),(5),(7)	(1),(2),(3),(4),(5),(7)	(1),(2),(3),(4),(5),(7)	
NOTES:				
(1) INSULATED ROOF CURB TO MATCH ROOF SLOPE. SEE DETAIL 3/MO.11 - OFCI				
(2) HEAVY DUTY CONDENSER COIL GUARD - FACTORY INSTALLED				
(3) HINGED ACCESS PANELS, FACTORY INSTALLED				
(4) CA COMPLIANT ECONOMIZER WITH FDD, FULLY MODULATING DAMPERS, AND BAROMETRIC RELIEF - OFCI				
(5) DISCONNECT BY DIV 26 ELECTRICAL				
(6) CONTROLLER INTERFACE FOR COMMUNICATION TO PELICAN WIRELESS THERMOSTAT				
(7) UL-617 AND LISTED MPII TYPE ION GENERATOR POWERED BY UNIT - FACTORY INSTALLED				

EXHAUST FAN SCHED				
MARK	EF			
	1	2	3	4
CFM	55	95	95	95
ESP (IN WC)	0.25	0.25	0.25	0.25
HP / BHP / WATTS	- / - / 15.6	- / - / 19.4	- / - / 19.4	- / - / 19.4
VOLTAGE/PHASE	115/1	115/1	115/1	115/1
RPM	790	950	950	950
TIP SPEED				
SONES	0.3	0.5	0.5	0.5
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT
MOUNTING	CEILING (6)	CEILING (6)	CEILING (6)	CEILING (6)
MANUFACTURER GREENHECK GREENHECK GREENHECK GREENHECK				
TYPE				
MODEL NUMBER	SP-A90 - OFCI	SP-A110 - OFCI	SP-A110 - OFCI	SP-A110 - OFCI
CONTROL	(1)	(1)	(1)	(1)
SERVICE	JANITOR	TOILET	TOILET	TOILET
OP WEIGHT (LBS)	12	17	17	17
ACCESSORIES	(2),(3),(4),(5)	(2),(3),(4),(5)	(2),(3),(4),(5)	(2),(3),(4),(5)
NOTES:				
(1) INTERLOCK WITH LIGHTS				
(2) SOLID STATE FAN SPEED CONTROLLER - OFCI				
(3) BACKDRAFT DAMPER - FACTORY INSTALLED				
(4) ROOF CAP WITH BIRDSCREEN - OFCI				
(5) DISCONNECT BY DIV 26 ELECTRICAL				
(6) FOR MOUNTING, SEE DETAIL 4/MO.11				

GRILLE SCHEDULE		
MARK	LOCATION	DESCRIPTION
A	CEILING SUPPLY	TITUS TDC STEEL FULL LOUVER FACE WITH SQUARE OR RECTANGULAR NECK, TYPE 3 BORDER FOR LAY-IN CEILING, STANDARD #26 WHITE FINISH.
B	CEILING SUPPLY	TITUS TDC STEEL FULL LOUVER FACE WITH SQUARE OR RECTANGULAR NECK, TYPE 1 BORDER FOR SURFACE MOUNT, STANDARD #26 WHITE FINISH.
C	CEILING RETURN	TITUS 50F ALUMINUM EGGRATE WITH 1/2x1/2x1/2 GRID, TYPE 3 BORDER FOR LAY-IN CEILING, STANDARD #26 WHITE FINISH.
NOTE: ALL INTERIOR COMPONENTS, EVERYTHING BEHIND THE FACE PLATE, SHALL BE PAINTED FLAT BLACK.		

INDOOR UNIT SCHEDULE	
MARK	IDU
	1
CFM (LOW / MED / HIGH)	280 / 340 / 400
ESP (IN WC)	
MINIMUM OSA (CFM)	0
HP / BHP / WATTS	
VOLTAGE/PHASE	(1)
MCA / MOCP	0.2 /
RPM	
DRIVE	DIRECT
MOUNTING	CEILING (4)
COOLING:	
TOTAL (MBH)	12
SENSIBLE (MBH)	
EADB / EAWB (°F)	80 / 67
AMBIENT DB (°F)	95
REFRIGERANT	R410A
LIQUID LINE SIZE	1/4"
SUCTION LINE SIZE	1/2"
CONDENSATE CONN	1"
SEER / EER AT AHRI	21.5 / 12.7
HEATING:	
CAPACITY (MBH)	12
EADB (°F)	70
AMBIENT DB (°F)	47
HSPF / COP	10.6 / 3.22
FILTERS:	
QUANTITY / SIZE	
TYPE	WASHABLE
MANUFACTURER CARRIER	
TYPE HEAT PUMP	
MODEL NUMBER	40MBCQ12 - OFCI
CONTROL	T'STAT (3)
SERVICE	SERVER ROOM
OP WEIGHT (LBS)	45
ACCESSORIES	(2)
NOTES:	
(1) INDOOR UNIT RECEIVE POWER FROM OUTDOOR UNIT	
(2) BUILT-IN CONDENSATE PUMP	
(3) CONTROLLER INTERFACE FOR COMMUNICATION TO PELICAN WIRELESS THERMOSTAT - OFCI	
(4) FOR MOUNTING, SEE DETAIL 5/MO.11	

OUTDOOR UNIT SCHED	
MARK	ODU
	1
MCA / MOCP	15 / 15
FUSE SIZE	15
VOLTAGE/PHASE	208-230/1
MOUNTING	ROOF (5)
COOLING:	
TOTAL (MBH)	12
AMBIENT DB (°F)	95
SEER / EER AT AHRI	21.5 / 12.7
HEATING:	
CAPACITY (MBH)	12
AMBIENT DB (°F)	47
HSPF / COP	10.6 / 3.22
REFRIGERANT	R410A
LIQUID LINE SIZE	1/4"
SUCTION LINE SIZE	1/2"
MANUFACTURER CARRIER	
TYPE HEAT PUMP	
MODEL NUMBER	38MARBQ12 - OFCI
SERVICE	IDU-1
OP WEIGHT (LBS)	75
ACCESSORIES	(1),(2),(3),(4)
NOTES:	
(1) INDOOR UNIT RECEIVE POWER FROM OUTDOOR UNIT	
(2) CRANKCASE HEATER - FACTORY INSTALLED	
(3) LOW AMBIENT COOLING OPERATION TO 40°F	
(4) DISCONNECT BY DIV 26 ELECTRICAL	
(5) FOR MOUNTING, SEE DETAIL 6/MO.11	

MECHANICAL LEGEND					
SYMBOL	DESCRIPTION	ABBR	SYMBOL	ABBR	DESCRIPTION
AC 1	EQUIPMENT DESIGNATION - UNIT ABBREVIATION - NUMBER	AC-1	---	S. W. D.	SOIL, WASTE OR DRAIN
---	---	---	---	V	VENT
A 10x10-3 120	GRILLE DESIGNATION - NECK SIZE & BLOW - CFM		---	CW	DOMESTIC COLD WATER
---	---	---	---	HW	DOMESTIC HOT WATER
---	SUPPLY AIR	SA	---	HWR	DOMESTIC HOT WATER RETURN
---	RETURN AIR	RA	---	GAS	GAS MAIN BY GAS UTILITY COMPANY
---	EXHAUST AIR	EXH	---	G	LOW PRESSURE NATURAL GAS
---	ACOUSTIC LINED DUCT	(L)	---	RWL	RAIN WATER LEADER
---	DUCT RISER		---	OL	OVERFLOW LEADER
---	DUCT DROP		---	CD	CONDENSATE DRAIN
---	SQUARE TO ROUND FITTING		---	D	DRAIN
---	FIRE/SMOKE DAMPER	FSD	---	IW	INDIRECT WASTE
SD	DUCT SMOKE DETECTOR	SD	---	FCO	FLOOR CLEANOUT
---	VOLUME CONTROL DAMPER	VCD	---	COTG	CLEANOUT TO GRADE
T	THERMOSTAT AT 48" MAXIMUM TO TOP OF BOX	T'STAT	---	WCO	WALL CLEANOUT
S	SWITCH		---	VTR	VENT THROUGH ROOF
RL	REFRIGERANT LIQUID	RL	---	GV OR SOV	GATE OR SHUT - OFF VALVE
RS	REFRIGERANT SUCTION	RS	---	BV	BALL VALVE
---	ABOVE FINISH FLOOR	AFF	---	CV	CHECK VALVE
---	CAP		---	STR	STRAINER
---	EXISTING	(E)	---	---	UNION
---	(E) TO BE REMOVED	DEMO	---	---	ELBOW UP
---	NEW	(N)	---	---	ELBOW DOWN
OSA	OUTSIDE AIR	OSA	---	RED	REDUCER
X	POINT OF CONNECTION	POC	---	HB	HOSE BIBB
---	TYPICAL	TYP	---	PP	PETES PLUG
---	---	---	---	PRV	PRESSURE RELIEF VALVE

GENERAL PLUMBING AND HVAC NOTES	
A.	THE PLANS AND SPECIFICATIONS DESCRIBE THE PLUMBING WORK AND HVAC WORK OF THIS PROJECT. ANY ITEMS MENTIONED IN ONE PART SHALL BE AS BINDING AS THOUGH MENTIONED IN BOTH. PROVIDE THE NECESSARY LABOR, MATERIALS, EQUIPMENT, TOOLS AND SERVICES FOR A COMPLETE FUNCTIONING SYSTEM.
B.	ALL LOCATIONS OF EXISTING UTILITIES, DUCTWORK, AND EQUIPMENT SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK, INCLUDING EXACT LOCATION, SIZE, SERVICE, AND ROUTING OF EXISTING UTILITIES AND DUCTWORK. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY EXISTING CONDITIONS WHICH MAY CONFLICT WITH INFORMATION PROVIDED IN CONSTRUCTION DOCUMENTS.
C.	PLUMBING AND HVAC LAYOUTS INDICATED ON PLANS ARE DIAGRAMMATIC ONLY. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. EXACT LOCATION OF EQUIPMENT, DUCTWORK, AND PIPES SHALL BE COORDINATED WITH OTHER TRADES.
D.	PROVIDE CLEANOUTS PER CPC SECTIONS 707, 719 AND 1101.13.
E.	PROVIDE PLUMBING VENT TERMINATION PER CPC SECTION 906. PLUMBING VENTS SHALL TERMINATE NOT LESS THAN TEN FEET FROM, OR NOT LESS THAN THREE FEET ABOVE, AIR INTAKE OR VENT SHAFT. COORDINATE EXACT LOCATION WITH OTHER TRADES.
F.	PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE PER CBC SECTIONS 714 AND 717. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE FIRE MARSHAL. SEE ARCHITECTURAL PLANS FOR LOCATION OF FIRE RATED ASSEMBLIES.
G.	THE SEISMIC RESTRAINT OF MECHANICAL EQUIPMENT, DUCTWORK, AND PIPES SHALL CONFORM TO CBC CHAPTER 16A.
H.	PROVIDE FRESH AIR INTAKE SEPARATION FROM EXHAUST TERMINATION AND PLUMBING VENT TERMINATION PER CMC SECTIONS 502, 510.9 AND 519.5, AND CPC SECTION 906. COORDINATE WITH OTHER TRADES.
I.	DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS. WHERE ACOUSTIC LINING IS SHOWN, MAINTAIN THE INSIDE CLEAR DIMENSIONS BY INCREASING THE SHEET METAL SIZE TO ACCOMMODATE LINING THICKNESS.
J.	SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF CEILING DIFFUSERS, REGISTERS, AND GRILLES.

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SS FLS ACS
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Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD, CA 93305

Project Name:
WELLNESS CENTER

Project Address:
WELLNESS CENTER
1100 CITADEL STREET
BAKERSFIELD, CA 93307

by SOMAM, Inc.
ARCHITECTURE ENGINEERING INTERIOR DESIGN

6011 N. FRESNO STREET, SUITE 130
FRESNO CALIFORNIA 93710
P: (559) 436-0881 F: (559) 436-0887
E: design@somam.com
integrateddesigns.com

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GENERAL NOTES - LEGEND

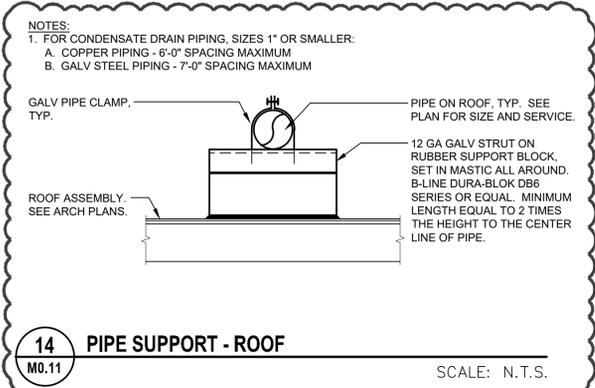
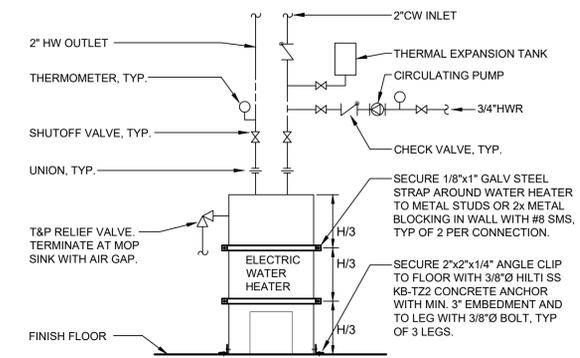
Job No.: **5527**

Sheet No.: **M0.01**

Release: ADDENDUM 2 11/22/24



13 ELECTRIC WATER HEATER
SCALE: N.T.S.



14 PIPE SUPPORT - ROOF
SCALE: N.T.S.

MEP COMPONENT ANCHORAGE NOTE
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- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
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- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

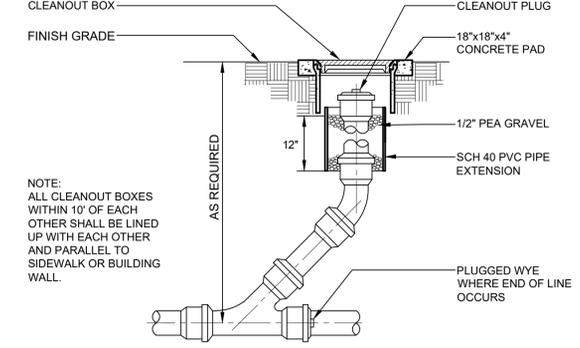
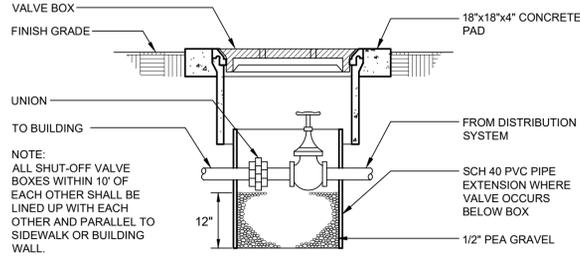
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE
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THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (e.g., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HAING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

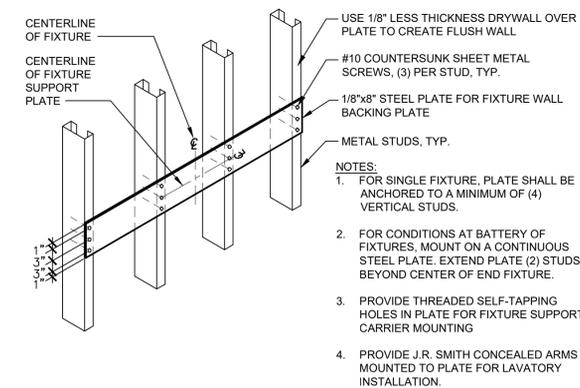
MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):
MP □ MD □ PP □ E □ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP □ MD □ PP □ E □ OPTION 2: SHALL COMPLY WITH THE APPLICABLE HCAI PRE-APPROVAL (OPM #) #OPM-0043-13 MASON WEST SEISMIC RESTRAINT GUIDELINES FOR SUSPENDED DISTRIBUTION SYSTEMS.

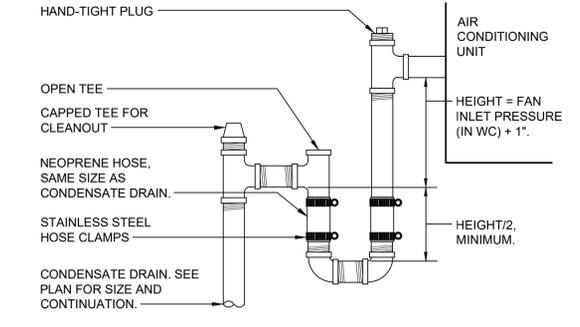
9 SHUT OFF VALVE IN BOX
SCALE: N.T.S.



10 CLEANOUT TO GRADE (COTG)
SCALE: N.T.S.

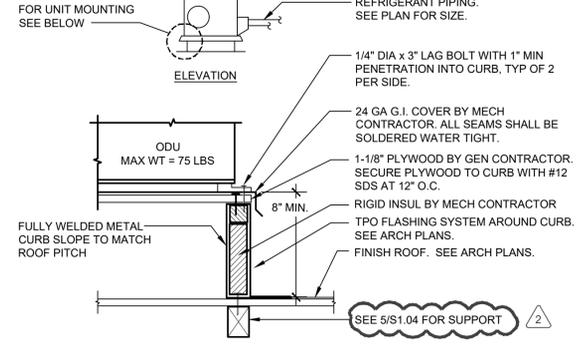
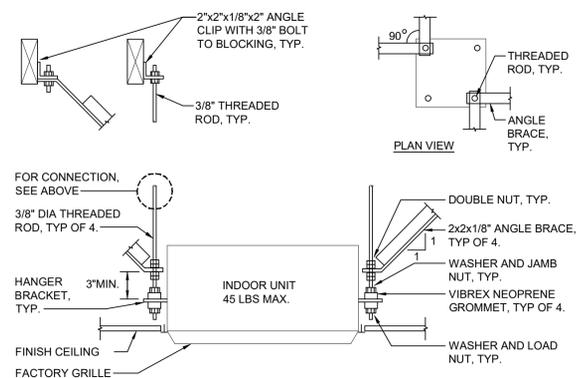


11 FIXTURE SUPPORT BACKING - METAL STUDS
SCALE: N.T.S.

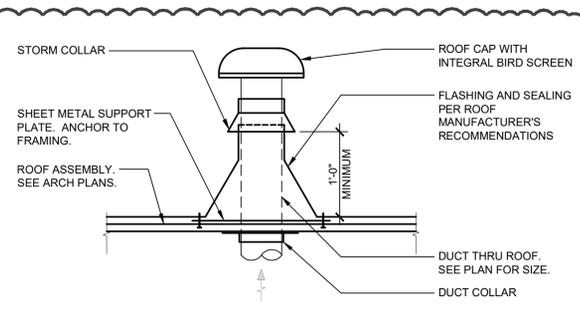


12 CONDENSATE DRAIN CONNECTION - DRAW THRU
SCALE: N.T.S.

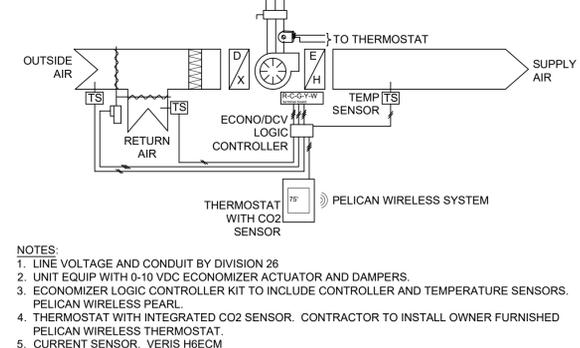
5 INDOOR UNIT - CEILING
SCALE: N.T.S.



6 OUTDOOR UNIT
SCALE: N.T.S.

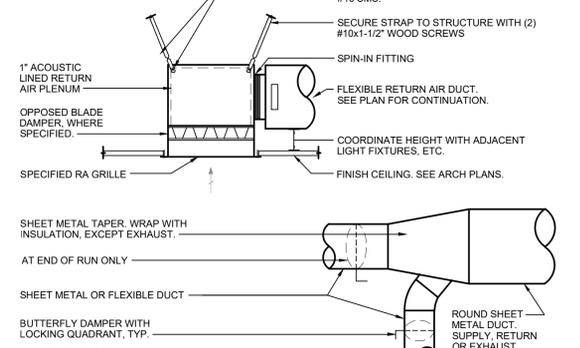
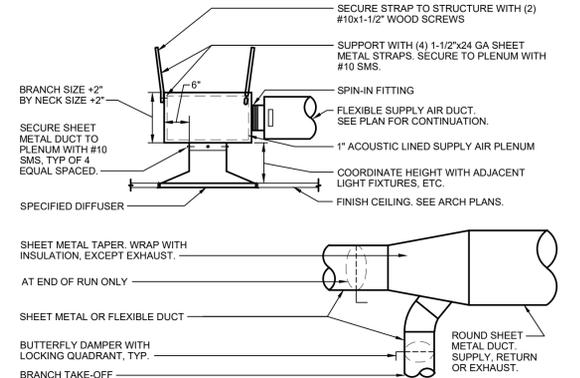


7 DUCT THRU ROOF - EXHAUST
SCALE: N.T.S.

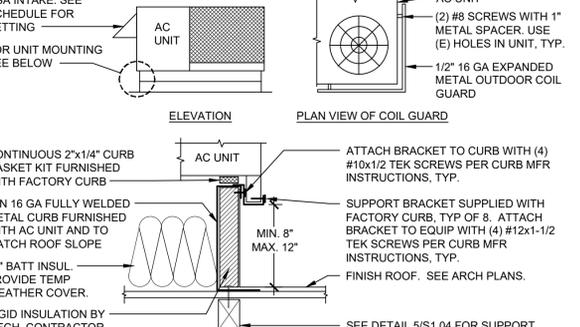


8 CONTROL SCHEMATIC - HEAT PUMP
SCALE: N.T.S.

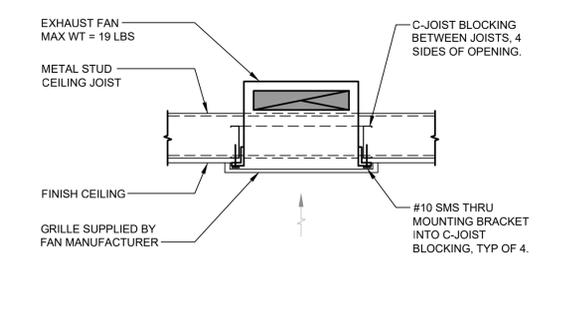
1 TYPICAL SUPPLY AIR DEVICE - BRANCH DUCT
SCALE: N.T.S.



2 TYPICAL RETURN/EXHAUST AIR DEVICE - BRANCH DUCT
SCALE: N.T.S.



3 AC UNIT MOUNTING
SCALE: N.T.S.



4 EXHAUST FAN - CEILING
SCALE: N.T.S.

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BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD, CA 93305

Project Name:
WELLNESS CENTER
Project Address:
DR. MARTIN LUTHER KING JR. ELEMENTARY SCHOOL
1100 CITADEL STREET
BAKERSFIELD, CA 93307

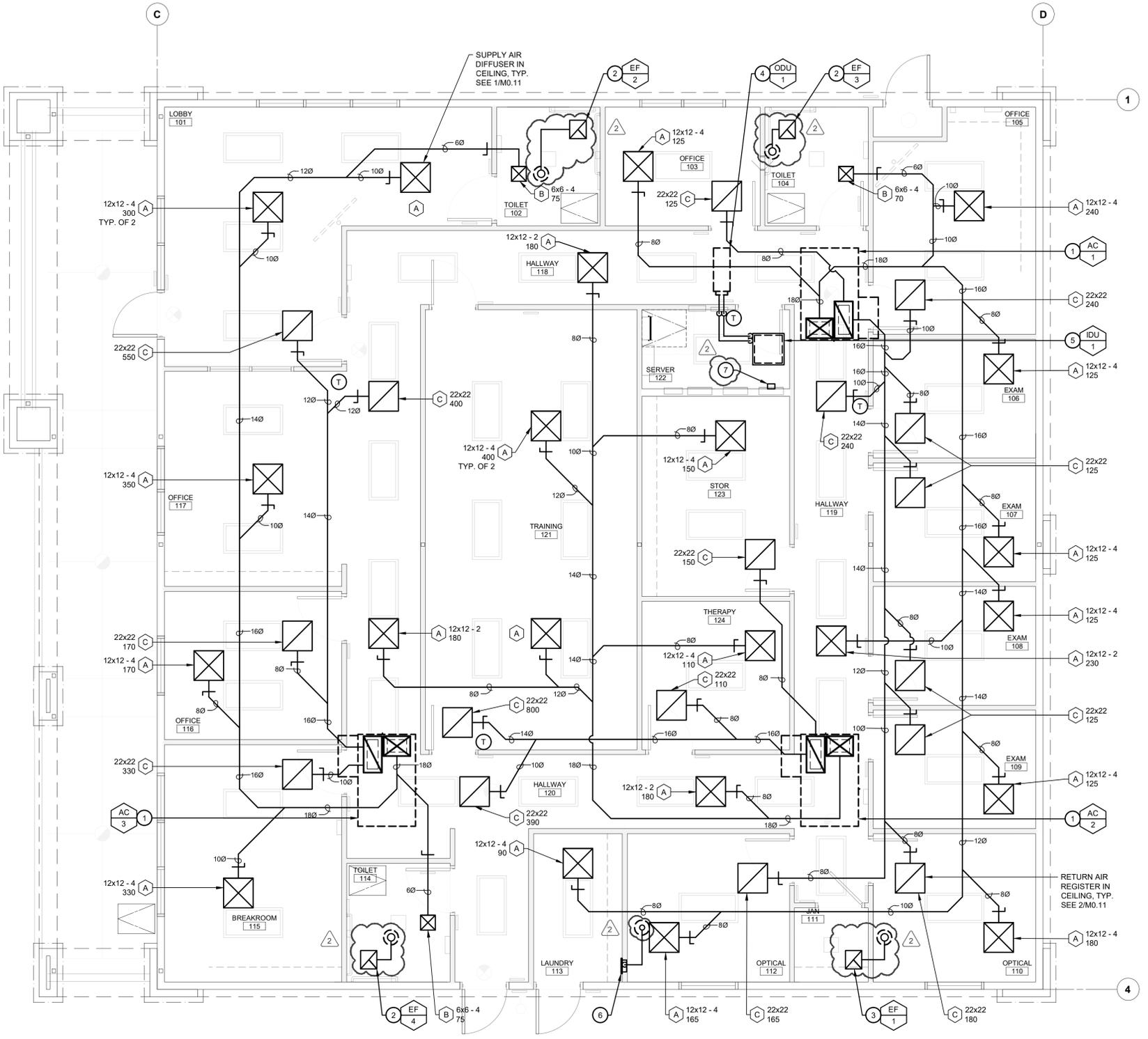
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Job No.: **5527**
Sheet No.: **M0.11**
Release: ADDENDUM 2
11/22/24



HVAC PLAN
WELLNESS CENTER

SCALE: 1/4" = 1'

KEY NOTES

1. AC UNIT ON ROOF WITH 18x14(L) SUPPLY AIR PLENUM AND 26x12(L) RETURN AIR PLENUM DROP THRU ROOF. SEE DETAILS 3 & 8/M0.11. TRANSITION AND OFFSET AS NEEDED TO AVOID STRUCTURAL MEMBERS. SEE STRUCTURAL ROOF FRAMING PLAN. UNIT IS OWNER FURNISHED, CONTRACTOR INSTALL (OFCI).
2. CEILING EXHAUST FAN WITH 6" ROUND EXHAUST DUCT THRU ROOF. PROVIDE FLASHING AND CAP ASSEMBLY. SEE 4/M0.11 (AND 7/M0.11). FAN IS OFCI.
3. CEILING EXHAUST FAN WITH 5" ROUND EXHAUST DUCT THRU ROOF. PROVIDE FLASHING AND CAP ASSEMBLY. SEE 4/M0.11 (AND 7/M0.11). FAN IS OFCI.
4. OUTDOOR UNIT ON ROOF. EXTEND REFRIGERANT PIPING TO INDOOR UNIT. SEE 6/M0.11. UNIT IS OFCI.
5. INDOOR UNIT RECESSED IN CEILING SUSPENDED FROM STRUCTURE. SEE 5/M0.11. UNIT IS OFCI.
6. DRYER VENT BOX RECESS IN WALL WITH 4" ALUMINUM DRYER VENT DUCT UP THRU ROOF. PROVIDE FLASHING AND CAP ASSEMBLY. IN LOW VATE TECH DB-350 AND DJK486, OR EQUAL, SIM 7/M0.11.
7. HVAC WIRELESS GATEWAY. COORDINATE EXACT LOCATION WITH OWNER. PROVIDE 120V WALL OUTLET AND ETHERNET CONNECTION.

LEGEND

SYMBOL	DESCRIPTION	ABBR
AC 1	EQUIPMENT DESIGNATION UNIT ABBREVIATION NUMBER	AC-1
A 10x10-3 120	GRILLE DESIGNATION NECK SIZE & BLOW CFM	
SA	SUPPLY AIR	SA
RA	RETURN AIR	RA
EXH	EXHAUST AIR	EXH
(L)	ACOUSTIC LINED DUCT	(L)
DR	DUCT RISER	
DD	DUCT DROP	
SQ	SQUARE TO ROUND FITTING	
FSD	FIRE/SMOKE DAMPER	FSD
SD	DUCT SMOKE DETECTOR	SD
VCD	VOLUME CONTROL DAMPER	VCD
S	SWITCH	
T	THERMOSTAT AT 48" MAXIMUM TO TOP OF BOX	T'STAT
RL	REFRIGERANT LIQUID	RL
RS	REFRIGERANT SUCTION	RS
AFF	ABOVE FINISH FLOOR	AFF
(E)	EXISTING	(E)
///	(E) TO BE REMOVED	DEMO
(N)	NEW	(N)
OSA	OUTSIDE AIR	OSA
X	POINT OF CONNECTION	POC
TYP	TYPICAL	TYP

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BAKERSFIELD CITY SCHOOL DISTRICT
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BAKERSFIELD, CA 93305

Project Name:
WELLNESS CENTER

Project Address:
WELLNESS CENTER
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BAKERSFIELD, CA 93307



integrated designs
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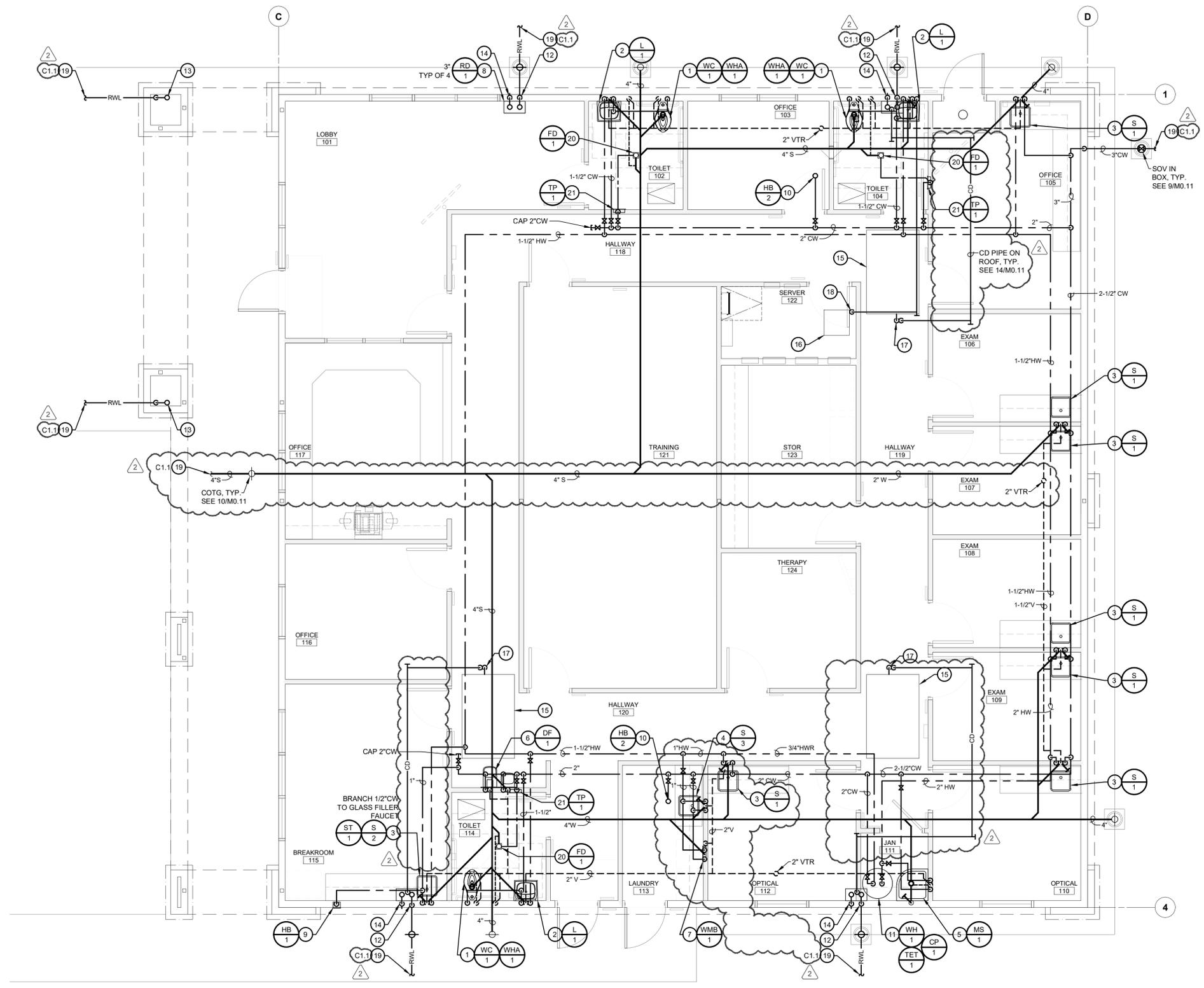
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HVAC PLAN

Job No.: **5527**

Sheet No.: **M2.11**



PLUMBING PLAN
WELLNESS CENTER

SCALE: 1/4" = 1'

KEY NOTES

1. 1-1/2" CW, 4" S, 2" V TO WATER CLOSET, TYP.
2. 3/4" CW & HW, 2" W, 1-1/2" V TO LAV, TYP. PROVIDE FIXTURE SUPPORT PLATE PER 11/MO.11
3. 3/4" CW & HW, 2" W WITH WCO, 1-1/2" V TO SINK, TYP.
4. 3/4" CW & HW, 4" W WITH WCO, 2" V TO LAUNDRY SINK, TYP.
5. 3/4" CW & HW, 3" W WITH WCO, 2" V TO MOP SINK, TYP.
6. 3/4" CW, 2" W, 1-1/2" V TO DRINKING FOUNTAIN, FOR EACH CONNECTION, EXTEND 3/4" CW TO BOTTLE FILLER.
7. 3/4" CW & HW, 2" W, 1-1/2" V TO WASHING MACHINE BOX WITH SOV FOR CONNECTION TO RESIDENTIAL TYPE WASHING MACHINE.
8. COMBO ROOF DRAIN AND OVERFLOW DRAIN. SEE ARCH ROOF PLAN FOR EXACT LOCATION.
9. 3/4" CW TO HOSE BIBB AT 12" ABOVE FINISH GRADE, TYP.
10. 3/4" CW UP TO HOSE BIBB ON ROOF WITH SOV, TYP. SEE ARCH PLANS FOR EXACT LOCATION. DO NOT PLACE IN WALKWAY.
11. ELECTRIC WATER HEATER WITH CIRCULATING PUMP AND EXPANSION TANK. SEE 13/MO.11
12. 3" RWL DOWN IN WALL TO BELOW GRADE. PROVIDE COTG AND CONNECT TO SITE STORM DRAIN SYSTEM, TYP.
13. CONNECT 3" RWL TO ROOF GUTTER, OFFSET AS NEEDED, DROP DOWN IN COLUMN SPACE TO BELOW GRADE. PROVIDE COTG AND CONNECT TO SITE STORM DRAIN SYSTEM, TYP.
14. 3" OL DOWN IN WALL, DISCHARGE THRU WALL AT +12" ABOVE FINISH GRADE WITH 1" EXTENSION PAST WALL, TYP. SEAL WALL PENETRATION WATER TIGHT. PAINT EXPOSED PIPE TO MATCH WALL. SEE ARCH PLANS FOR EXACT LOCATION.
15. AC UNIT ON ROOF, TYP. SEE MECH PLANS FOR EXACT LOCATION.
16. INDOOR UNIT RECESSED IN CEILING WITH INTEGRAL CONDENSATE PUMP. SEE MECH PLANS FOR EXACT LOCATION.
17. CONNECT 3/4" CD TO AC UNIT ON ROOF WITH TRAP PER 12/MO.11 AND DISCHARGE TO ROOF DRAIN WITH AIR GAP (SEE 14/MO.11)
18. CONNECT 1" DRAIN TO INDOOR UNIT, OFFSET ABOVE CEILING, AND DISCHARGE TO TAILPIECE OF LAV.
19. SEE CIVIL PLANS FOR CONTINUATION
20. 1/2" CW BELOW FLOOR FROM TRAP PRIMER, 2" W, 1-1/2" V TO FLOOR DRAIN, TYP.
21. 3/4" CW TO TRAP PRIMER WITH SOV IN WALL AT +24" BEHIND WALL ACCESS PANEL. EXTEND 1/2" CW BELOW FLOOR TO FLOOR DRAIN.

LEGEND

SYMBOL	DESCRIPTION	ABBR
	SOIL OR WASTE	S. W.
	VENT	V
	DOMESTIC COLD WATER	CW
	DOMESTIC HOT WATER	HW
	DOMESTIC HOT WATER RETURN	HWR
	CONDENSATE DRAIN	CD
	DRAIN	D
	FLOOR CLEANOUT OR CLEANOUT TO GRADE	FCO
	WALL CLEANOUT	WCO
	VENT THROUGH ROOF	VTR
	GATE OR SHUTOFF VALVE	GV
	UNION	SOV
	ELBOW UP	
	ELBOW DOWN	
	REDUCER	RED
	HOSE BIBB	HB
	ABOVE FINISH FLOOR	AFF
	CAP	
	EXISTING	(E)
	(E) TO BE REMOVED	DEMO
	NEW	(N)
	POINT OF CONNECTION	POC
	TYPICAL	TYP

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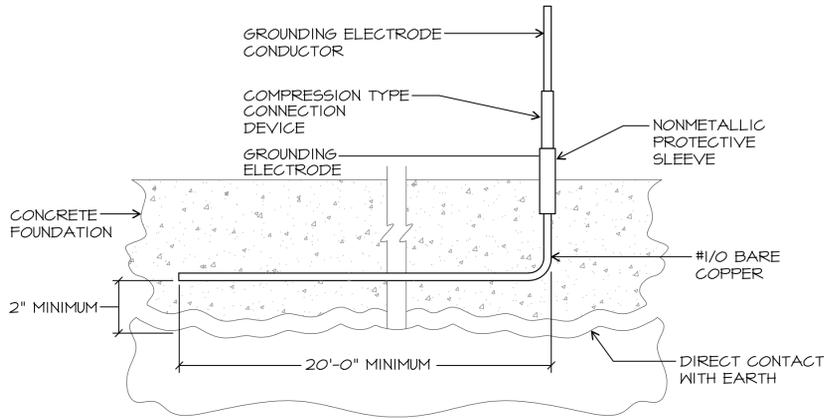
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PLUMBING PLAN
Job No.: **5527**
Sheet No.: **M3.11**
Release: ADDENDUM 2 11/22/24



THE GROUNDING SYSTEM SHALL CONSIST OF A "UFER" TYPE 20' LONG OF #1/0 BARE COPPER CONDUCTOR EMBEDDED ALONG THE BOTTOM OF A CONCRETE FOOTING OR GRADE BEAM THAT IS IN DIRECT CONTACT WITH THE EARTH.

UFER GROUND DETAIL
SCALE: NONE

APPLICABLE CODE: 2019 CBC

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PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING

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ELECTRICAL DISTRIBUTION SYSTEMS (E):

DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

GENERAL NOTES

1. VISIT JOB SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID.
2. THE ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2019 CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE LOCAL ORDINANCES. WHERE PLANS CALL FOR A HIGHER STANDARD THAN APPLICABLE CODES, THE PLANS SHALL GOVERN.
3. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS.
4. ALL ELECTRICAL EQUIPMENT, APPLIANCES AND LIGHTING FIXTURES SHALL BE LISTED BY A RECOGNIZED TEST LAB AND BEAR THAT LABEL OF APPROVAL.
5. CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL MATERIAL AND EQUIPMENT FOR THIS WORK UNLESS OTHERWISE NOTED.
6. FURNISH DISCONNECT SWITCHES AT REMOTE MOTORS.
7. ALL SPACES AS INDICATED ON PANELS OR SWITCHBOARDS SHALL BE COMPLETE WITH HARDWARE AND BUSSING FOR FUTURE BREAKER OR SWITCH.
8. CHECK ARCHITECTURAL PLANS FOR DOOR SWINGS BEFORE INSTALLING SWITCH OUTLETS.
9. GROUNDING AND BONDING SHALL BE PER CODE PLUS ANY ADDITIONAL PROVISIONS SPECIFIED OR SHOWN ON DRAWINGS.
10. ALL CONDUIT RUNS SHALL CONTAIN A CODE SIZED GREEN GROUND WIRE.
11. THESE PLANS ARE NOT COMPLETE UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION.
12. ALL CONDUCTORS SHALL BE IN CONDUIT.
13. ALL CONDUCTORS SHALL BE COPPER WITH TYPE THHN/THWN INSULATION.

ACCESSIBILITY NOTES

Installation of switches, outlets and controls to reflect the accessibility requirements of the 2019 CBC Chapters 11A and 11B for Accessibility.

1. CBC 11B-308.1.1 Electrical controls and switches intended to be used by the occupant of a room or area shall be located within the allowable reach ranges. Low reach shall be measured from the bottom of the outlet box and high reach is measured to the top of the outlet box.
2. CBC 11B-308.1.2 Electrical receptacle outlets on branch circuits of 30 amperes or less and communication system receptacles shall be located in the allowable reach range. Low reach shall be measured from the bottom of the outlet box and high reach is measured to the top of the outlet box.
3. CBC 11B-308.2.1 High forward reach that is unobstructed shall be 48 inches maximum and the low forward reach shall be 15 inches minimum above finish floor or ground.
4. CBC 11B-308.2 Forward Reach Obstructed - Electrical receptacle outlets shall be located no more than 44 inches measured from the top of the receptacle outlet box when the obstruction is over 20" and does not exceed 25". When the depth is less than 20" height can be increased to 48". (desk counters)
5. CBC 11B-308.3 Side Reach Obstructed - Electrical receptacle outlets shall be located no more than 46 inches measured from the top of the receptacle outlet box when the obstruction is over 10" and does not exceed 24". When the depth is less than 10" height can be increased to 48".
6. Overhang light fixtures or wall fixtures projecting more than 4" from the wall surface shall be a minimum of 80" above the walking surface.

SYMBOLS

---	CONDUIT EXISTING	
---	CONDUIT CONCEALED IN WALL OR CEILING	
---	CONDUIT CONCEALED UNDER FLOOR OR BELOW GRADE	
---	CONDUIT STUBBED OUT AND CAPPED	
---	CONDUIT TURNED UP	
---	CONDUIT TURNED DOWN	
---	HATCH MARKS INDICATE NO. OF #12 WIRES IN CODE SIZED CONDUIT (3) MAX IN 1/2" C., (5) MAX IN 3/4" C., (8) MAX IN 1" C., NO MARKS = 2#12	
---	HOME RUN LETTER INDICATES PANEL, NUMBER(S) INDICATES CIRCUIT(S)	
---	SAWCUT	
---	GROUND CONNECTION	
---	DISTRIBUTION SWITCHBOARD OR PANEL	
---	PANEL, BRANCH CIRCUIT TYPE, SURFACE AND FLUSH	
---	SIGNAL TERMINAL CABINET, SURFACE & FLUSH	
---	LINEAR SURFACE FIXTURE	
---	OUTLET DATA: BAR INDICATES WALL MOUNT, LETTER INDICATES SWITCH CONTROL, NO. INDICATES CIRCUIT.	
---	SURFACE FIXTURE ON FLUSH OUTLET.	
---	RECESSED FIXTURE WITH JUNCTION BOX FOR THRU WIRING	
---	EXIT LIGHT WITH ARROWS AS SHOWN ON PLANS, WALL AND CEILING MOUNT.	
---	LOW LEVEL EXIT SIGN, 4" AFF, 4" FROM DOOR JAMB	
---	LIGHT FIXTURE DESIGNATION, LETTER INDICATES TYPE, NO. INDICATES WATTAGE. SEE FIXTURE SCHEDULE.	
---	MECHANICAL EQUIPMENT DESIGNATION. SEE MECHANICAL DRAWINGS.	
---	SPECIAL RECEPTACLE - SEE PLAN	
---	METER	
---	FLUSH FLOOR RECEPTACLE	
---	RECEPTACLE, DUPLEX, 15A, 125V, NEMA 5-15R +18" UNO.	
---	DUPLEX RECEPTACLE MTD. ABOVE BACKSPASH	
---	DUPLEX RECEPTACLE W/LOWER HALF SWITCHED	
---	GFI	
---	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE	
---	DOUBLE DUPLEX RECEPTACLE	
---	CEILING RECEPTACLE	
---	RECEPTACLE, DUPLEX, 20A, 125V, NEMA 5-20R +18" UNO.	
---	JUNCTION BOX 4" SQUARE, 1-1/2" DEEP UNO.	
---	THERMOSTAT F.D.O. +18"	
---	MOTOR, NO. INDICATES HORSEPOWER	
---	CLOCK OUTLET +7-6" UNO.	
---	DISCONNECT SWITCH, NON-FUSED	
---	DISCONNECT SWITCH FUSED HORSEPOWER RATED OR SIZED AS NOTED	
---	COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH AND FUSES	
---	MAGNETIC MOTOR STARTER W/OVERLOADS IN EACH PHASE	
---	DIMMER W/INTEGRAL "ON-OFF" SW.	
---	PUSHBUTTON	
---	PHOTOCELL	
---	SMOKE DETECTOR	
---	TELEPHONE/COMPUTER/DATA OUTLET, TWO GANG BOX W/1 GANG COVERPLATE & GROMMETTED OPENING +18" UNO.	
---	TELEPHONE/COMPUTER/DATA OUTLET, TWO GANG BOX W/1 GANG COVERPLATE & GROMMETTED OPENING MTD. ABOVE BACKSPASH	
---	CABLE TV OUTLET +18" UNO.	
---	MOTION SENSOR	
---	EXISTING SWITCH	
---	S	SINGLE POLE SWITCH
---	S ²	DOUBLE POLE SWITCH
---	S ³	THREE WAY SWITCH
---	S ^P	SWITCH W/PLOT LT.
---	S ^M	MANUAL MOTOR STARTER
---	FACP	FIRE ALARM CONTROL PANEL
---	GFI	GROUND FAULT CIRCUIT INTERRUPTING
---	LST	LABOR SAVING TANDEM
---	MLO	MAIN LUGS ONLY
---	W/	WITH
---	C.O.	CONDUIT ONLY
---	W.P.	WEATHERPROOF
---	F.B.O.	FURNISHED BY OTHERS, INSTALL & CONNECT
---	U.N.O.	UNLESS NOTED OTHERWISE
---	N.E.C.	NATIONAL ELECTRICAL CODE
---	N.I.C.	NOT IN CONTRACT
---	(E)	EXISTING
---	(N)	NEW
---	(R)	REMOVE
---	(RL)	RELOCATE
---	S/M	SURFACE MOUNT
---	U/G	UNDERGROUND
---	CWP	COLD WATER PIPE
---	AFF	ABOVE FINISHED FLOOR
---	HACR	HEATING AND AIR CONDITIONING RATED CIRCUIT BREAKER
---	N.L.	NIGHT LIGHT

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 03-122605 INC: 0
REVIEWED FOR
SS FLS ACS
DATE: 01/27/2025



BAKERSFIELD CITY SCHOOL DISTRICT

1300 BAKER STREET
BAKERSFIELD, CA 93305

Project Name:

WELLNESS CENTER

Project Address:

DR. MARTIN LUTHER KING JR. ELEMENTARY SCHOOL

1100 CITADLE STREET
BAKERSFIELD, CA 93307



integrated
designs
by SOMAM, Inc.

**ARCHITECTURE
ENGINEERING
INTERIOR DESIGN**

6011 N. FRESNO STREET, SUITE 130
FRESNO CALIFORNIA 93710
P: (559) 436-0881 F: (559) 436-0887
E: design@somam.com
integrateddesigns.com

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**SINGLE LINE
DIAGRAM, NOTES,
AND SYMBOLS**

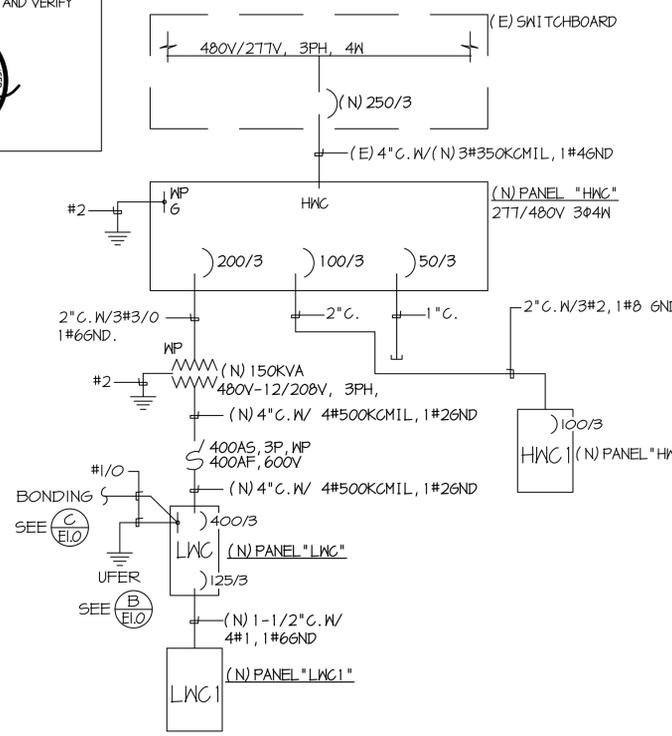
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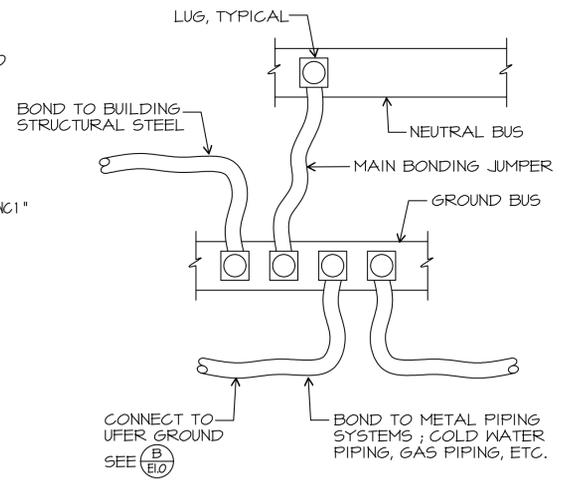
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Release: ADDENDUM 2 Date: 11/22/24

EXISTING ELECTRICAL SERVICES HAS BEEN INVESTIGATED AND FOUND TO HAVE ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION SHOWN ON THESE PLANS. SITE INSPECTOR IS TO WITNESS AND VERIFY GROUNDING TESTS.

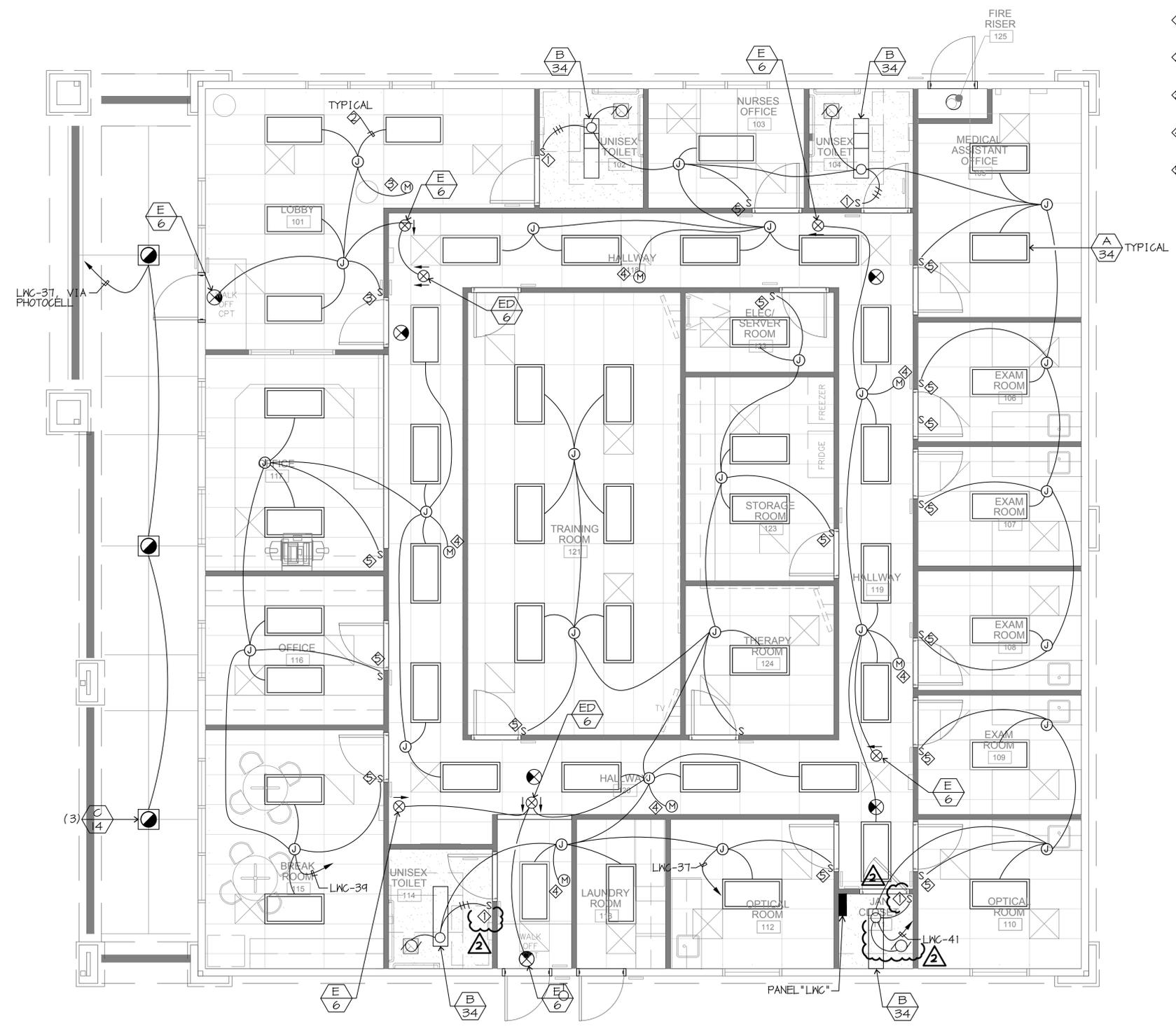
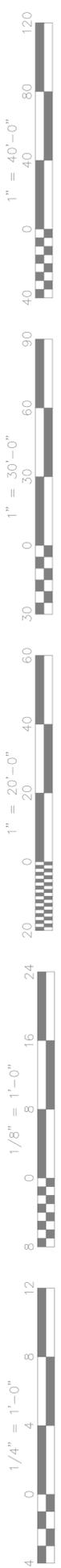


SINGLE LINE DIAGRAM
SCALE: NONE



BONDING DIAGRAM
SCALE: NONE

NOTE: NOT ALL SYMBOLS SHOWN ARE USED ON THIS PROJECT.



- LIGHTING NOTES**
- ◇ SENSOR SWITCH
#NSX-PDT-2P-FAN-WH
 - ◇ MC LUMINARY CABLE
2#12, 2#14, 1#16ND
 - ◇ LUTRON#DN RO-10V-WH
N/PIR
 - ◇ SENSOR SWITCH#
CMR4-PDT
 - ◇ LUTRON#MSZ101WH

LIGHTING FLOOR PLAN

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

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FRESNO CALIFORNIA 93710
P: (559) 436-0881 F: (559) 436-0887
E: design@somam.com
integrateddesigns.com

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LIGHTING FLOOR PLAN

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