



**Bid 643**  
**New HVAC Modernization Project for Rio Mesa High School**

**BID CLARIFICATION ADDENDUM #2**

Dated: January 11, 2021

*All interested parties seeking to submit responses to the Oxnard Union High School District's Bid #643 shall execute the certification at the end of this addendum and shall attach the addendum to the documents submitted to the District.*

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**The Oxnard Union High School District hereby amends Bid 643 New HVAC Modernization Project for Rio Mesa High School as follows:**

**1) Below scope of work has been added to the project:**

Demo & haul existing carpet, any type of padding & wall base. Prep substrate, furnish & install new VCT flooring tile and wall base. Protect existing walls, doors and door thresholds from damage.

Bldg. M: Room 33 (875 sq. ft.)

Bldg. N: Room 7A (160 sq. ft.), 7B (280 sq. ft.)

Install per manufacturers' instructions.

Flooring Tile: Armstrong, "Sterling", #51904, 12"x12" tile

Wall Base: Armstrong, "Jet Black", 4" Vinyl Wall Base

**2) Floor Plan Reconstruction Note #3 shall be revised as follows:**

General contractor shall patch and repair all affected existing finishes, refer to finish schedule. In all rooms where work occurs, all walls, doors, and frames are to be primed and painted, refer to existing specifications.

**3) Please refer to Attachment A for Architect's addendum #2**

**BIDDER'S CERTIFICATION**

**I acknowledge receipt of the foregoing Addendum # 2 and accept all conditions contained herein.**

**Dated:** \_\_\_\_\_ **BIDDER:** \_\_\_\_\_  
(company/entity)

**By:** \_\_\_\_\_ **Printed Name:** \_\_\_\_\_  
(authorized representative signature)

**Title:** \_\_\_\_\_

*Bid Clarification Addendum #2*  
Attachment A  
Architect's Addendum #2  
Rio Mesa HS



January 11, 2021

The following changes and/or clarifications shall be made to the drawings and specifications and all other conditions shall remain the same. All changes and/or clarifications provided shall be included in the scope of contracted work. Pursuant to PR13-01 all work that requires approval by the DSA shall not begin until said approvals are obtained.

### **SPECIFICATIONS**

1. No Change

### **DRAWINGS**

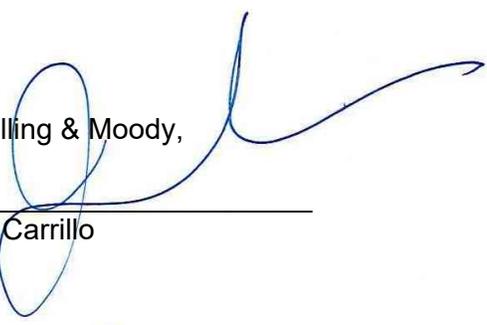
1. **Sheet SQ-201**
  - a. **Revise** sheet SQ-201 per clouded changes shown on Addendum No. 2 Sheet SQ-201.
2. **Sheet S-303**
  - a. **Revise** sheet S-303 per clouded changes shown on Addendum No. 2 Sheet S-303.

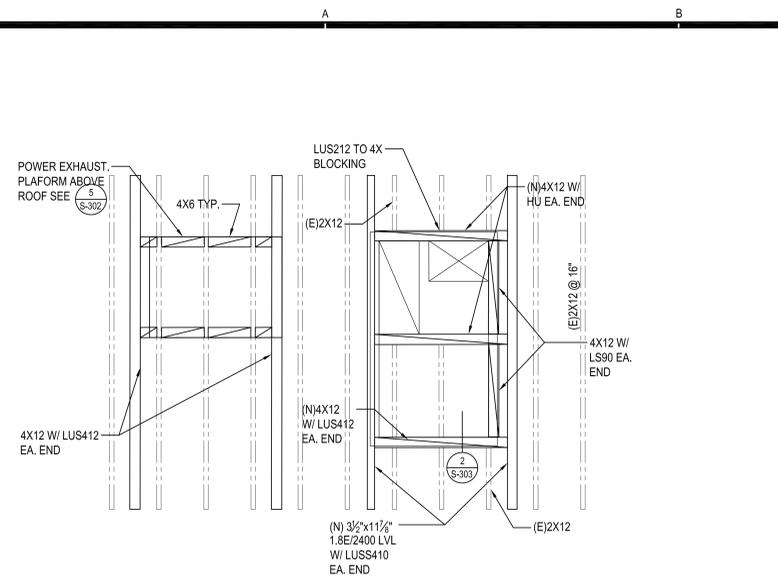
### **BID RFI's**

1. The following responses to submitted RFI's shall apply to all bidders:
  - a. Viola RFI#03: See attachment #1 from Viola
    - i. Response: See responses written on attachment #1. All drawings shall become a part of the contract.

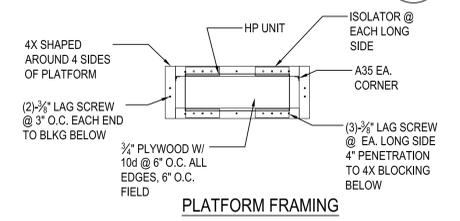
Flewelling & Moody,

Irvine Carrillo

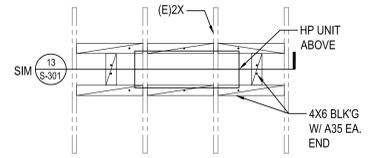




**RTU PENETRATION AND ANCHORAGE PLAN**  
SCALE: 1/2" = 1'-0"

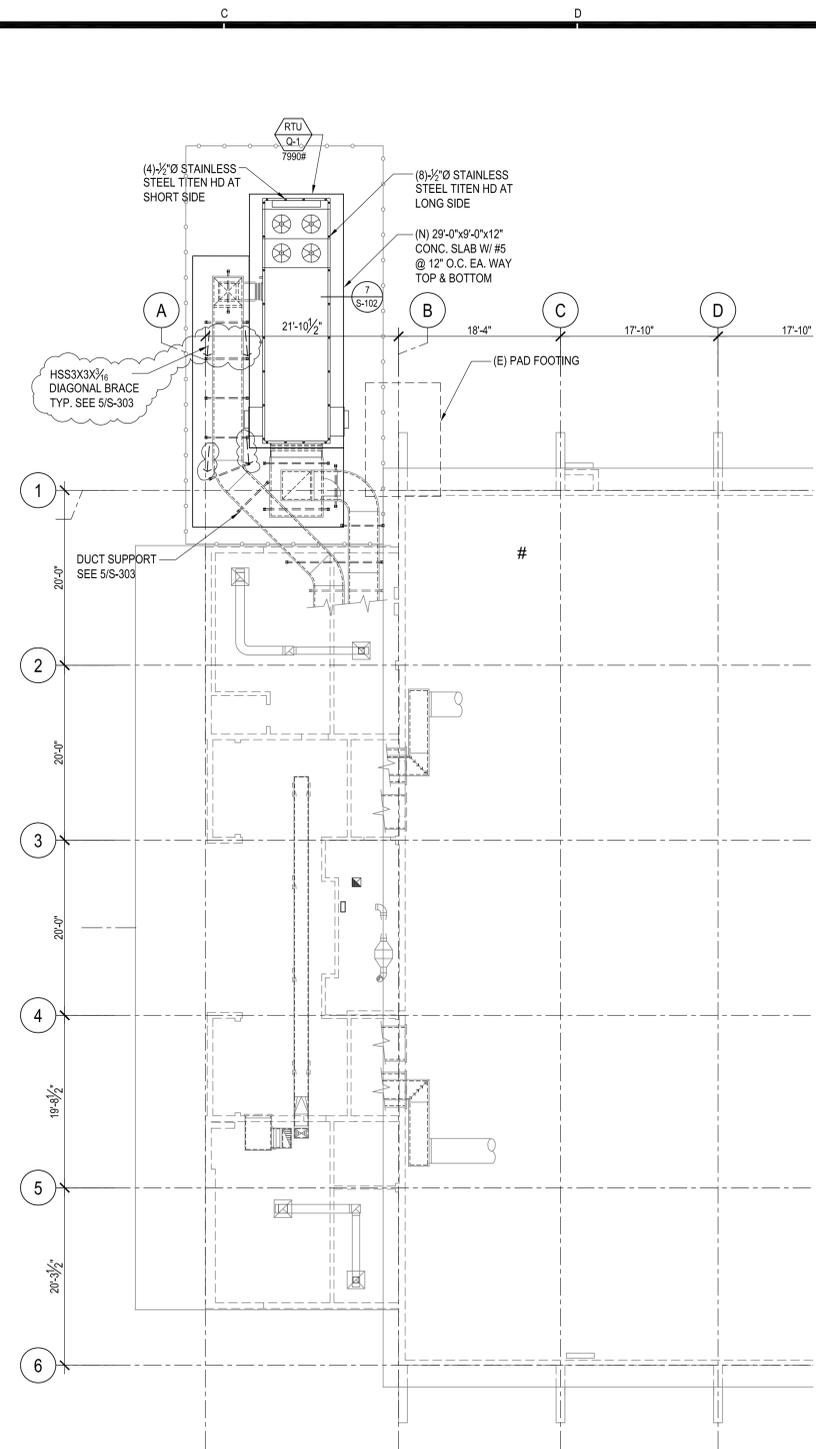


**PLATFORM FRAMING**

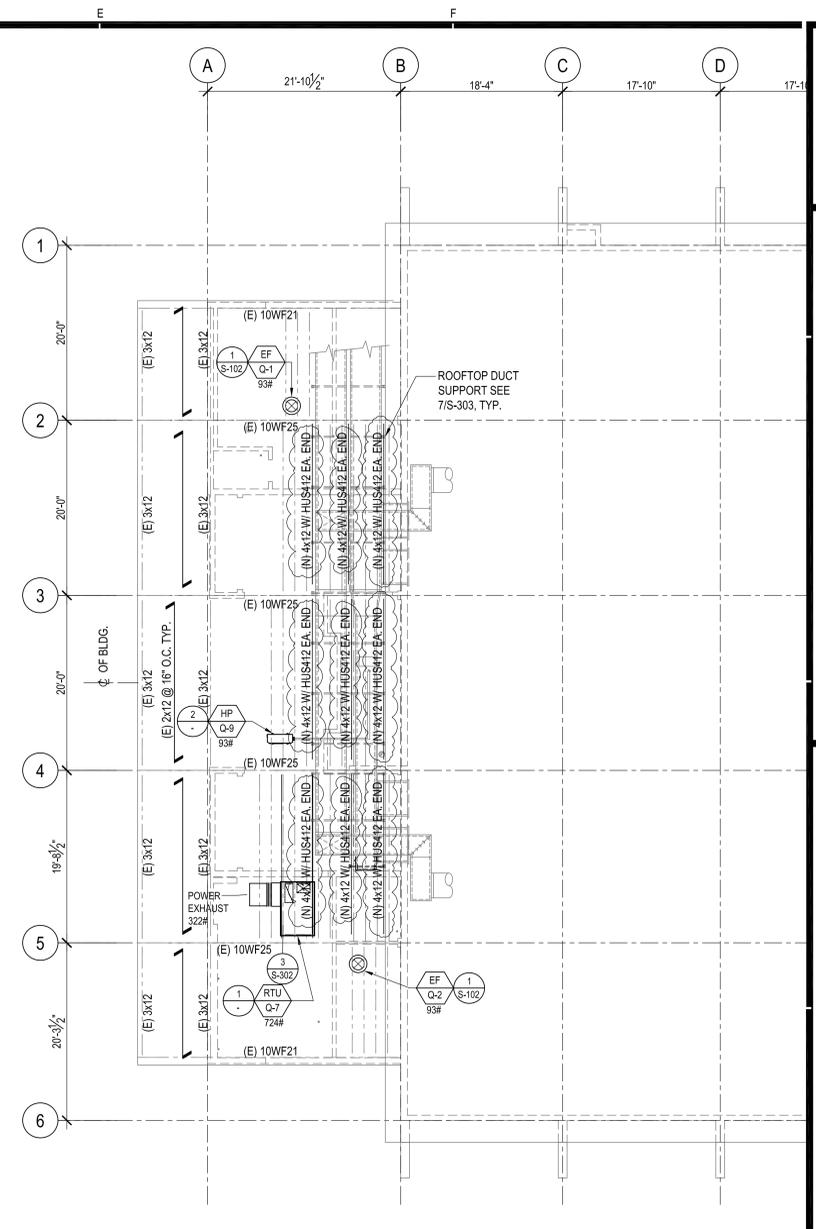


**ROOF FRAMING**

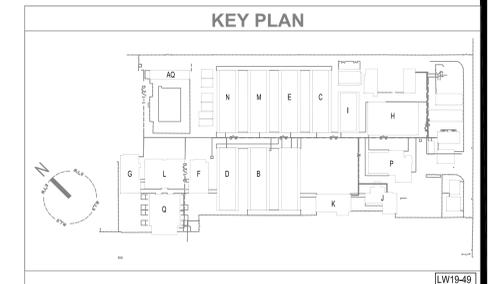
**HP PLATFORM CONNECTION TO ROOF PLAN**  
SCALE: 1/2" = 1'-0"



**GYMNASIUM BLDG. Q PARTIAL FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"



**GYMNASIUM BLDG. Q PARTIAL ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"



AGENCY  
PTN\_72546-80\_APP1\_03-120038



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**ANTELOPE VALLEY OFFICE:**  
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**LW LIN & WU ENGINEERING**  
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111 East Broadway Ave, Suite 100, Hayward, CA 94541  
510.885.8888

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**NOTE FOR STRUCTURAL DRAWINGS**  
IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBCONTRACTORS TO DISCOVER DIMENSIONS SHOWN IN THESE STRUCTURAL DRAWINGS WITH COMPARABLE DIMENSIONS SHOWN ON ARCHITECTURAL AND MECHANICAL/ELECTRICAL DRAWINGS. CLARIFICATION OF ANY CONFLICTS SHALL BE REQUESTED PRIOR TO CONSTRUCTION. CRITICAL DIMENSIONS TO BE CROSS-CHECKED SHALL INCLUDE BASIC HORIZONTAL AND VERTICAL BUILDING DIMENSIONS, LOCATION OF OPENINGS IN FLOORS, ROOFS AND WALLS.

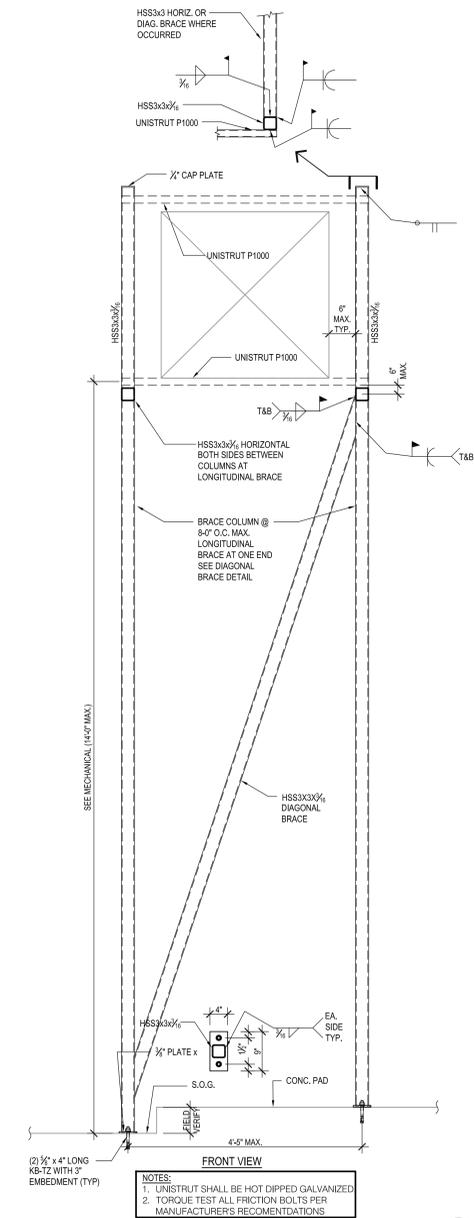
Drawn by	J.Y.	
Checked by	W.L.	
Revisions		
No.	Date	Description

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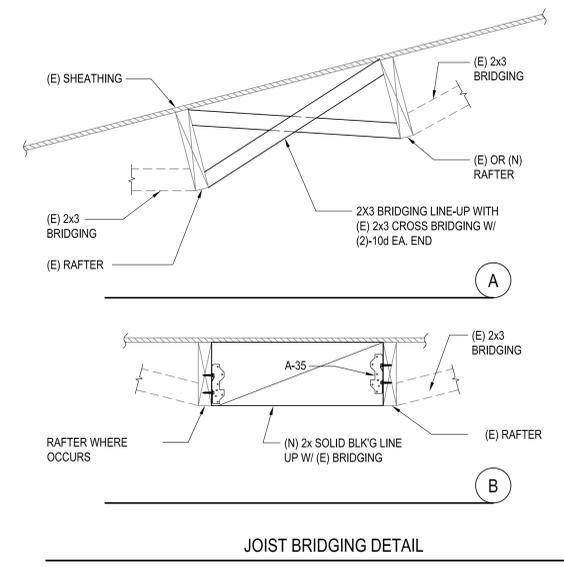
**OXNARD UNION HIGH SCHOOL DISTRICT**  
**RIO MESA HIGH SCHOOL ALTERATIONS PROJECT**  
545 CENTRAL AVE  
OXNARD, CA 93036

**GYMNASIUM BLDG. 'Q' PARTIAL FOUNDATION & ROOF FRAMING PLANS**

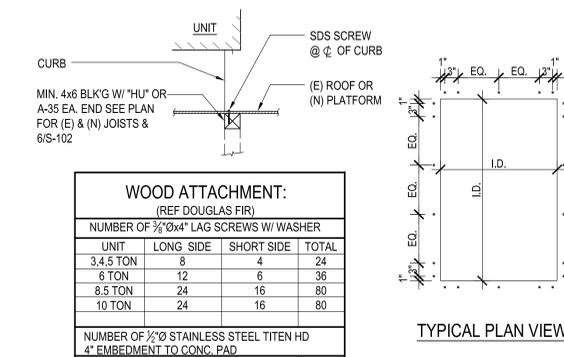
Job No.  
**2841.100**  
Date  
07-13-2020  
**SQ-201**



**HORIZONTAL DUCT SUPPORT**  
SCALE: 1/4" = 1'-0"



**JOIST BRIDGING DETAIL**



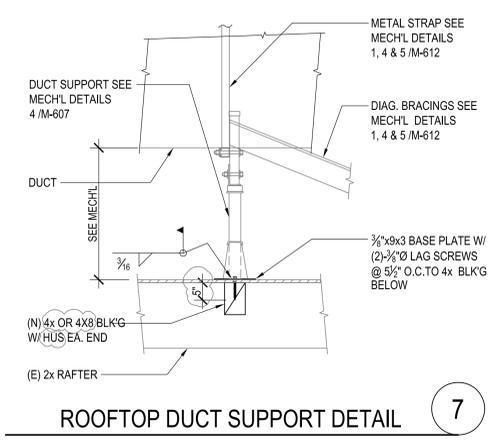
**WOOD ATTACHMENT:**  
(REF DOUGLAS FIR)

NUMBER OF 3/4" Ø x 4" LAG SCREWS W/ WASHER			
UNIT	LONG SIDE	SHORT SIDE	TOTAL
3.4, 5 TON	8	4	24
6 TON	12	6	36
8.5 TON	24	16	80
10 TON	24	16	80

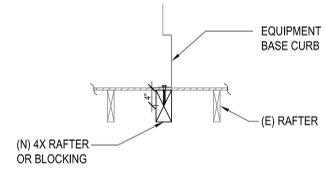
  

NUMBER OF 1/2" Ø STAINLESS STEEL TITEN HD 4" EMBEDMENT TO CONC. PAD			
UNIT	LONG SIDE	SHORT SIDE	TOTAL
50 TON	8	4	24

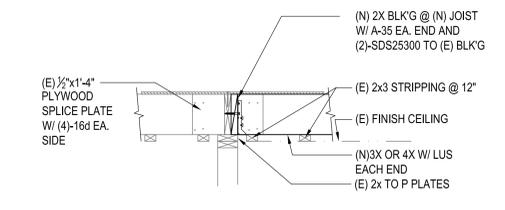
**TYPICAL UNIT ANCHORAGE SCHEDULE**



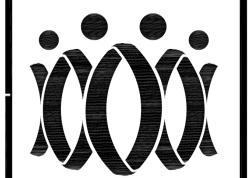
**ROOFTOP DUCT SUPPORT DETAIL**



**MAU ANCHORAGE DETAIL**



**RAFTER TO WALL DETAIL @ BUILDING "J"**



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Drawn by: J.Y.  
Checked by: W.L.

No.	Date	Description

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**OXNARD UNION HIGH SCHOOL DISTRICT**

**RIO MESA HIGH SCHOOL ALTERATIONS PROJECT**

545 CENTRAL AVE  
OXNARD, CA 93036

**DETAILS**

Job No.: 2841.100  
Date: 07-13-2020

**S-303**



ATTACHMENT #1

RFI BID CLARIFICATION REQUEST

RFI # 003

REQUESTED BY: Nick Shipp

DATE: 1/6/2021

PROJECT NAME: Bid 643 New HVAC Modernization for Rio Mesa High

Spec #:

SUBMITTED TO: Oxnard Union High School District

PGS: 6

ATTENTION: Arvind Balaji & Karl Aldridge

EMAIL: abalaji@bernards.com, kaldridge@bernards.com

FAX:

YOUR RESPONSE TO THE FOLLOWING BID CLARIFICATION REQUEST IS REQUIRED BY ASAP

- (1)On plumbing plan sheets PB-201D, PC-201D, PH-201D, PJ-201D, PK-201D, and PP-201D the notes say to remove all existing natural gas piping but do not show any existing natural gas piping. Please show all natural gas piping that needs to be removed in order to quantify a cost for the demo inside of these buildings.
(2)Plumbing plan sheets PB-201, PC-201, PD-201, PE-201, PH-201, PI-201, PM-201, PN-201, and PAQ-201 shows the new natural gas service entrance on the opposite side of the building then where plan sheet P-101 shows the new natural gas service entering the building. Please clarify the correct location of the natural gas service entrance at these buildings.
(3)Plan sheet PK-202 shows the new natural gas piping being ran on the roof. There is no detail showing how to support and attach this new piping to the structure. Please provide a detail for the roof top pipe supports.

Check here if additional pages attached [checked box]

PROPOSED SOLUTION

None currently.

Check here if additional pages attached [empty box]

The following information is provided in response to your bid clarification request above. This is not a change order or an approval for extra work

- 1. Sheets are updated
2. Sheets are updated
3. Attached detail 9 is to be added

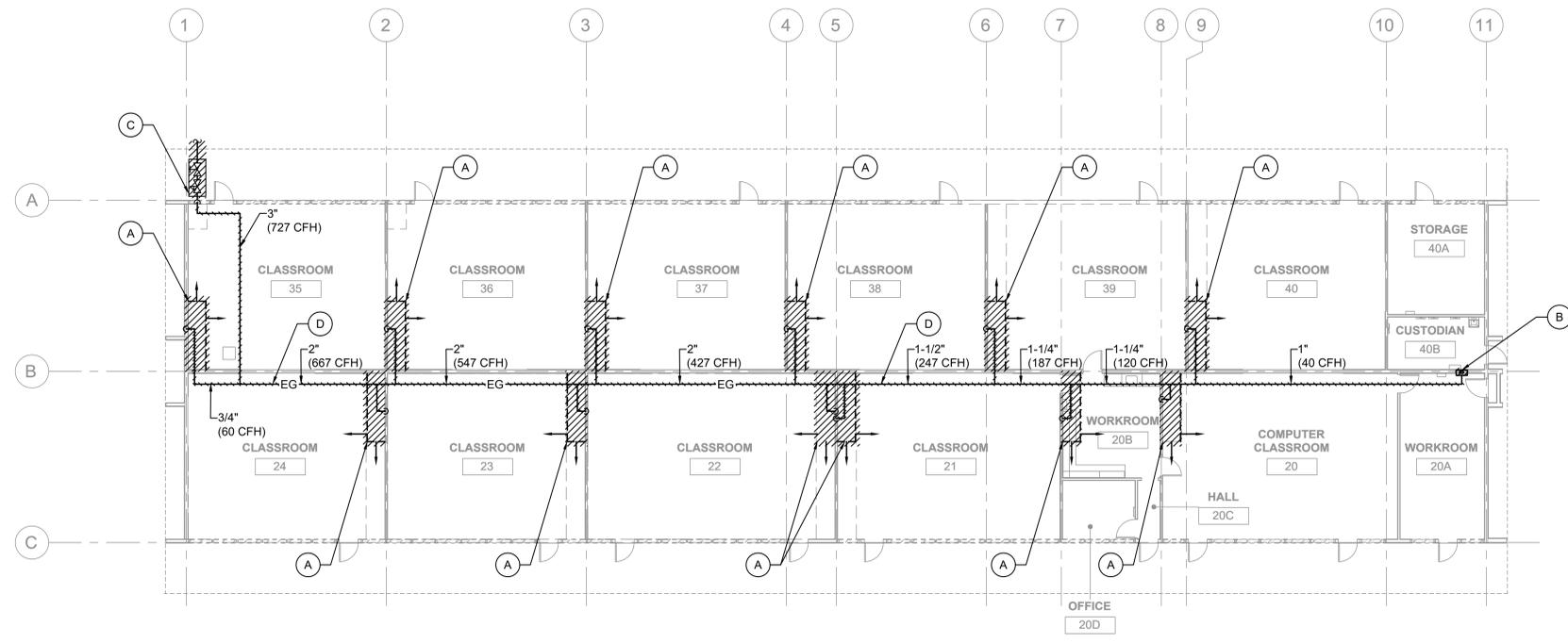
Jorge Avila - Budlong & Associates - 01/08/2020

ALL DRAWINGS SHALL BECOME A PART OF THE CONTRACT.

By: \_\_\_\_\_

Check here if additional pages attached [empty box]

**Name:** \_\_\_\_\_ **Title:** \_\_\_\_\_ **Date:** \_\_\_\_\_



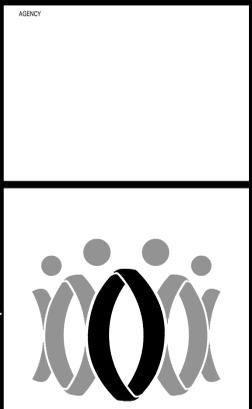
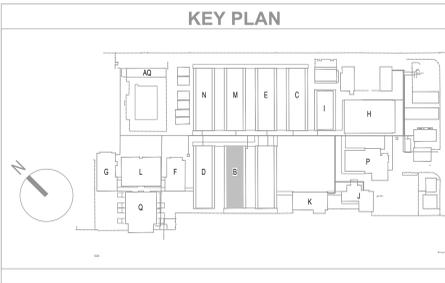
1 CLASSROOM BUILDING 'B' DEMOLITION PLUMBING PLAN  
3/32" = 1'-0"

**DEMOLITION GENERAL NOTES**

- CONTRACTOR TO COORDINATE WITH MECHANICAL PRIOR TO COMMENCING THE DEMO WORK AND DEMO ALL PLUMBING & ELECTRICAL ACCESSORIES RELATED TO MECHANICAL EQUIPMENT.
- EXISTING CONDITIONS SHOWN ARE BASED ON FIELD INVESTIGATIONS & SITE SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS SHOWN PRIOR TO INSTALLATION OF ANY WORK INCLUDING BUT NOT LIMITED TO THE EXACT LOCATIONS OF ALL EXISTING UNITS INCLUDING GAS FIRED FURNACES AND GAS WATER HEATERS. CONTRACTOR SHALL INFORM THE ENGINEER OF RECORD IF ANY MAJOR DISCREPANCIES OCCUR BETWEEN FIELD CONDITIONS PRIOR TO COMMENCING OF ANY WORK. ENGINEER WILL NOT BE RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT A NOTICE.

**DEMOLITION KEY NOTES**

- REMOVE (E) FURNACE AND ALL RELATED GAS PIPING AND PAINT WALL AND CEILING TO MATCH EXISTING.
- REMOVE (E) WALL HEATER INCLUDING ALL RELATED GAS PIPING. PATCH/SEAL AND PAINT WALL TO MATCH EXISTING.
- REMOVE EXISTING GAS PRESSURE REGULATOR AND SHUT-OFF VALVE LOCATED IN EXISTING GAS VAULT. EXISTING GAS VAULT SHALL REMAIN.
- REMOVE EXISTING GAS LINE. VERIFY EXACT LOCATION IN THE FIELD.



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Job No. 19-247  
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GLENDALE OFFICE: 100 W. MAIN ST., GLENDALE, CA 91201



Drawn by \_\_\_\_\_  
Checked by \_\_\_\_\_

Revisions

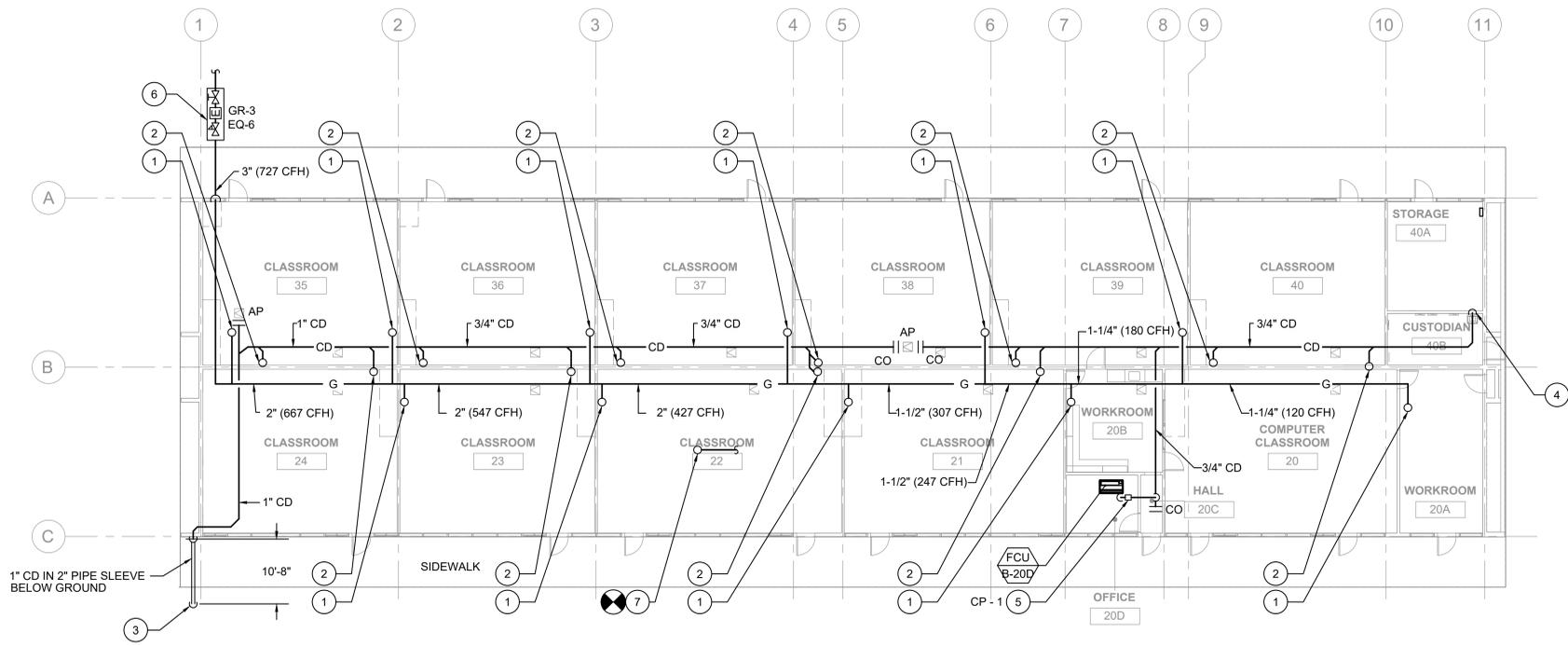
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RIO MESA HIGH SCHOOL ALTERATION PROJECT  
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CLASSROOM BUILDING 'B'  
DEMOLITION PLUMBING PLAN

Job No: 2847.0200  
Date: 10/23/2020  
**PB-201D**



1 CLASSROOM BUILDING 'B' RECONSTRUCTION PLUMBING PLAN  
3/32" = 1'-0"

**GENERAL NOTES**

- a. THERE SHALL BE NO SERVICE INTERRUPTION.
- b. PRIOR TO COMMENCING WORK CONTRACTOR SHALL VERIFY EXACT DEPTH AND LOCATION OF EXISTING GAS PIPING LINES AT THE FIELD.
- c. ALL PIPING ON THIS PLAN SHALL BE CONCEALED INSIDE THE WALL, FLOOR OR CEILING UNLESS NOTED OTHERWISE.
- d. REPAIR PAVING AFTER INSTALLATION AND INSPECTION OF UTILITIES INSTALLED. PAINT FLOOR TO MATCH PREVIOUS CONDITIONS.
- e. ALL NEW PIPE PENETRATION AT THE ROOF SHALL BE PROPERLY SEALED BY THE INSTALLING ROOF CONTRACTOR. SEE ARCHITECTURAL DRAWINGS.

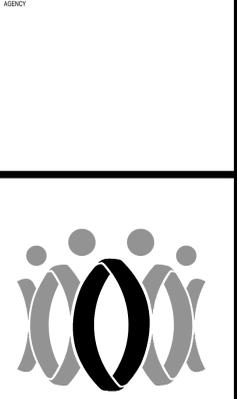
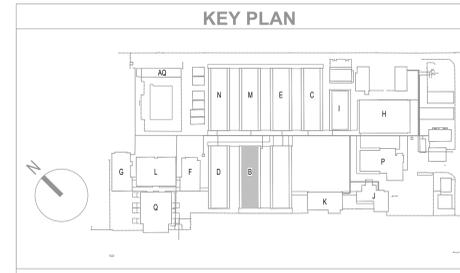
**CONSTRUCTION KEY NOTES**

- 1 PROVIDE GAS TO THE MECHANICAL UNIT LOCATED ON THE ROOF.
- 2 PROVIDE CONDENSATE DRAIN TO THE MECHANICAL UNIT LOCATED ON ROOF.
- 3 1" CD IN 2" PIPE SLEEVE TO DRY PIT PERDETAIL #8 P003. REPAIR SIDEWALK TO MATCH EXISTING CONDITIONS. VERIFY EXACT LOCATION IN FIELD.
- 4 PROVIDE 3/4" PUMPED CONDENSATE DRAIN TO THE LAVATORY TAIL PIECE. (SEE DET.#3.1/P-002)
- 5 CONDENSATE PUMP CONNECTED TO FAN COIL UNIT.
- 6 PROVIDE NEW GAS PRESSURE REGULATOR, EARTHQUAKE VALVE AND SHUT-OFF VALVE.
- 7 3/4" CW SUPPLY TO HOSE BIBB LOCATED ON ROOF. CONNECT WITH EXISTING WATER HEADER. CONTRACTOR TO VERIFY EXACT LOCATION ON FIELD.

**LOW PRESSURE GAS SIZING CHART**

250' TDL @ 8" W.C.

PIPE	MAX. CFH
1/2"	30
3/4"	63
1"	119
1-1/4"	244
1-1/2"	366
2"	704
3"	1980
4"	4050



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Drawn by: \_\_\_\_\_  
Checked by: \_\_\_\_\_

Revisions

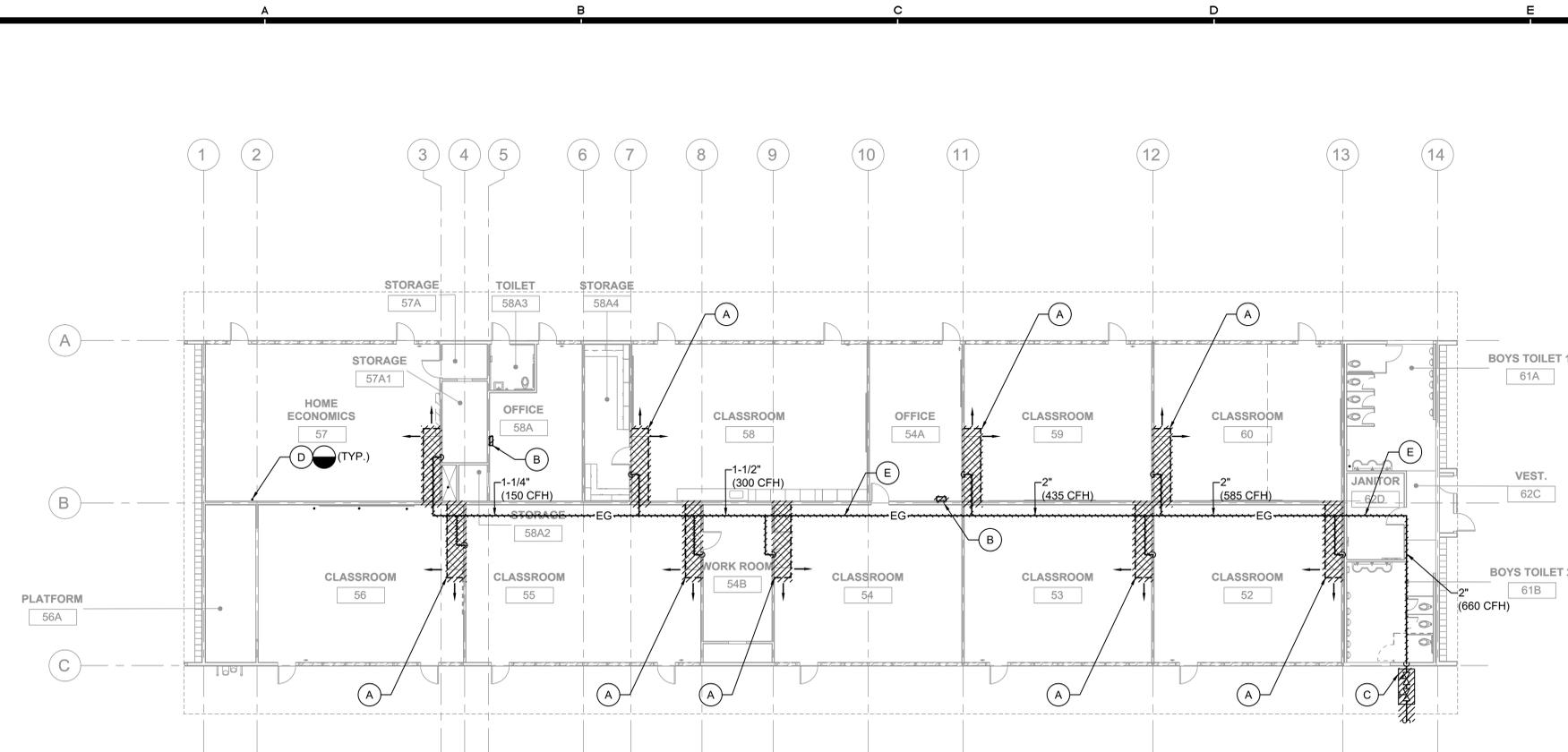
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RIO MESA HIGH SCHOOL ALTERATION PROJECT  
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OXNARD, CA 93036

CLASSROOM BUILDING 'B' RECONSTRUCTION PLUMBING PLAN

Job No: 2847.0200  
Date: 10/23/2020  
**PB-201**



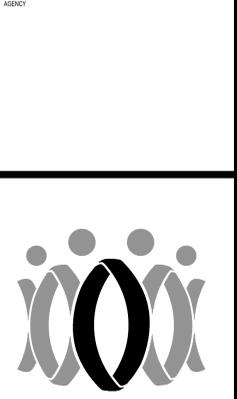
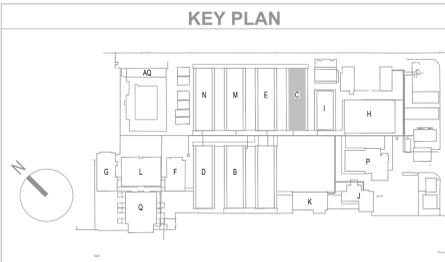
1 CLASSROOM BUILDING 'C' DEMOLITION PLUMBING PLAN  
3/32" = 1'-0"

**DEMOLITION GENERAL NOTES**

- a. CONTRACTOR TO COORDINATE WITH MECHANICAL PRIOR TO COMMENCING THE DEMO WORK AND DEMO ALL PLUMBING & ELECTRICAL ACCESSORIES RELATED TO MECHANICAL EQUIPMENT.
- b. EXISTING CONDITIONS SHOWN ARE BASED ON FIELD INVESTIGATIONS & SITE SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS SHOWN PRIOR TO INSTALLATION OF ANY WORK INCLUDING BUT NOT LIMITED TO THE EXACT LOCATIONS OF ALL EXISTING UNITS INCLUDING GAS FIRED FURNACES AND GAS WATER HEATERS. CONTRACTOR SHALL INFORM THE ENGINEER OF RECORD IF ANY MAJOR DISCREPANCIES OCCUR BETWEEN FIELD CONDITIONS PRIOR TO COMMENCING OF ANY WORK. ENGINEER WILL NOT BE RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT A NOTICE.

**DEMOLITION KEY NOTES**

- (A) REMOVE (E) FURNACE AND ALL RELATED GAS PIPING. PATCH/SEAL AND PAINT WALL AND CEILING TO MATCH EXISTING.
- (B) REMOVE (E) WALL HEATER INCLUDING ALL RELATED PIPING. PATCH/SEAL AND PAINT WALL TO MATCH EXISTING.
- (C) REMOVE EXISTING GAS PRESSURE REGULATOR AND SHUT-OFF VALVE LOCATED IN EXISTING GAS VAULT. EXISTING GAS VAULT SHALL REMAIN.
- (D) DEMO EXISTING VTR AND REROUTE VENT LINE TO THE NEW LOCATION. SEE RECONSTRUCTION PLAN FOR NEW VTR LOCATION.
- (E) REMOVE EXISTING GAS LINE. VERIFY EXACT LOCATION IN THE FIELD.



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MEP CONSULTING ENGINEERS  
Job No. 19-247



Drawn by \_\_\_\_\_  
Checked by \_\_\_\_\_

Revisions

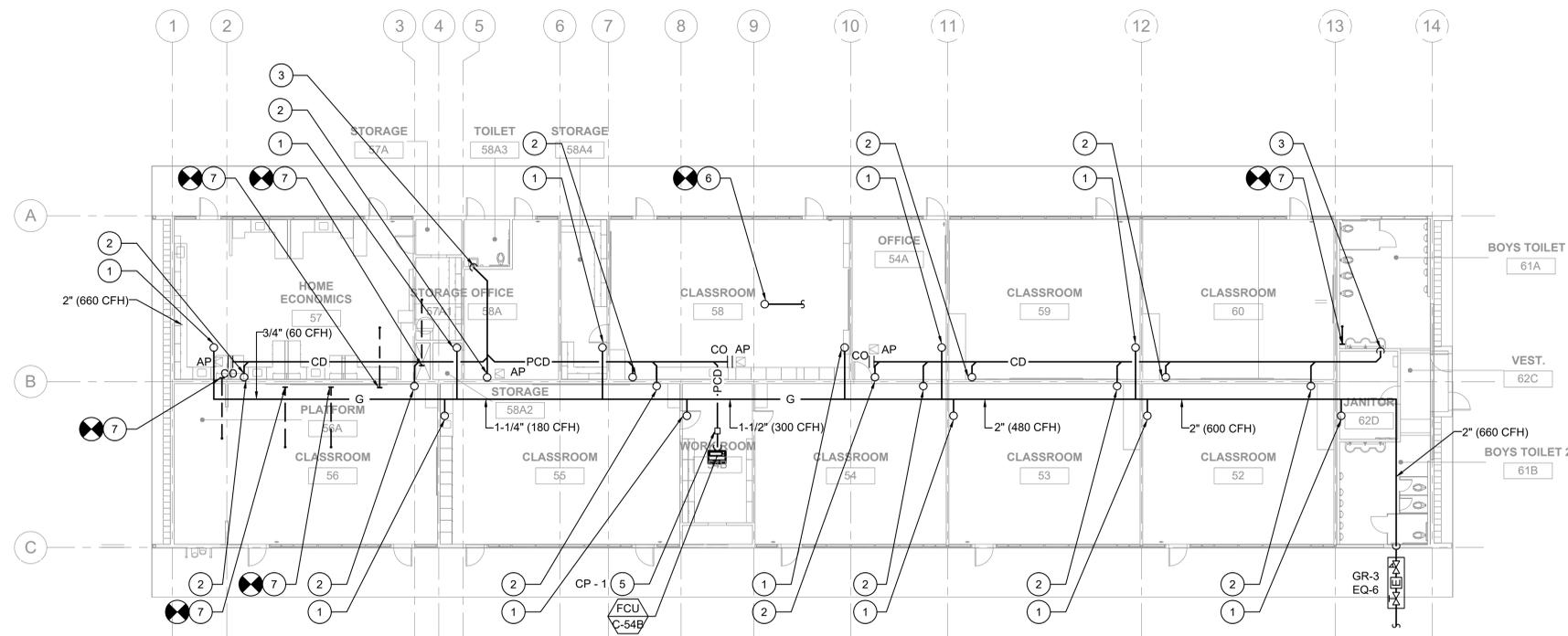
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CLASSROOM BUILDING 'C'  
DEMOLITION PLUMBING PLAN

Job No:  
2847.0200  
Date:  
10/23/2020  
**PC-201D**



1 CLASSROOM BUILDING 'C' RECONSTRUCTION PLUMBING PLAN  
3/32" = 1'-0"

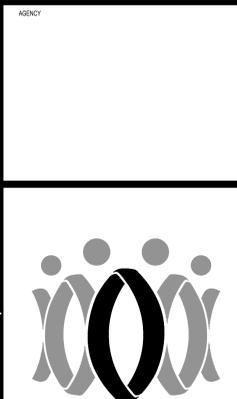
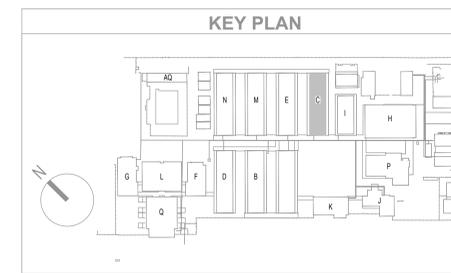
GENERAL NOTES

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- c. ALL PIPING ON THIS PLAN SHALL BE CONCEALED INSIDE THE WALL, FLOOR OR CEILING UNLESS NOTED OTHERWISE.
- d. REPAIR PAVING AFTER INSTALLATION AND INSPECTION OF UTILITIES INSTALLED. PAINT FLOOR TO MATCH PREVIOUS CONDITIONS.
- e. ALL NEW PIPE PENETRATION AT THE ROOF SHALL BE PROPERLY SEALED BY THE INSTALLING ROOF CONTRACTOR. SEE ARCHITECTURAL DRAWINGS.

CONSTRUCTION KEY NOTES

- 1 PROVIDE GAS TO THE MECHANICAL UNIT LOCATED ON THE ROOF. (SEE DET.#4.1/P-002)
- 2 PROVIDE CONDENSATE DRAIN TO THE MECHANICAL UNIT LOCATED ON ROOF.
- 3 PROVIDE 3/4" PUMPED CONDENSATE DRAIN TO THE LAVATORY TAIL PIECE. (SEE DET.#3.1/P-002)
- 4 PROVIDE NEW GAS PRESSURE REGULATOR, EARTHQUAKE VALVE AND SHUT-OFF VALVE.
- 5 CONDENSATE PUMP CONNECTED TO FAN COIL UNIT.
- 6 3/4" CW SUPPLY TO HOSE BIBB LOCATED ON ROOF. CONNECT WITH EXISTING WATER HEADER. CONTRACTOR TO VERIFY EXACT LOCATION ON FIELD.
- 7 NEW VENT THROUGH ROOF LOCATION. VERIFY EXACT LOCATION IN THE FIELD.

LOW PRESSURE GAS SIZING CHART 250' TDL @ 8" W.C.	
PIPE	MAX. CFH
1/2"	30
3/4"	63
1"	119
1-1/4"	244
1-1/2"	366
2"	704
3"	1980
4"	4050



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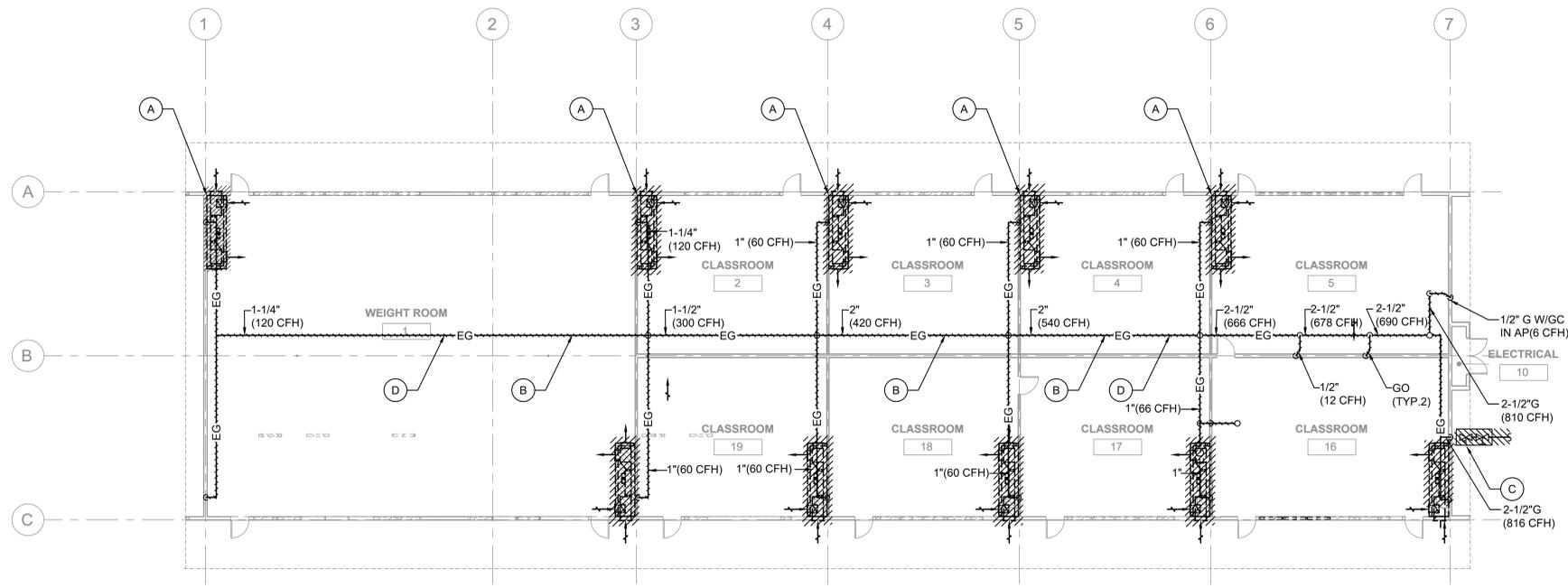
Revisions	No.	Date	Description

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RIO MESA HIGH SCHOOL ALTERATION PROJECT  
545 CENTRAL AVE  
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CLASSROOM BUILDING 'C'  
RECONSTRUCTION  
PLUMBING PLAN

Job No: 2847 0200  
Date: 10/23/2020  
**PC-201**



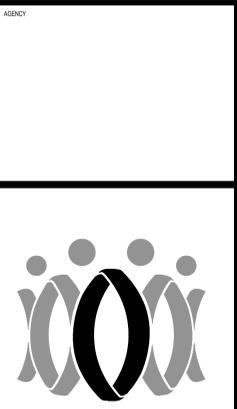
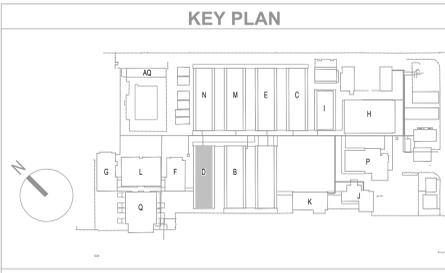
1 CLASSROOM BUILDING 'D' DEMOLITION PLUMBING PLAN  
 3/32" = 1'-0"

**DEMOLITION GENERAL NOTES**

- CONTRACTOR TO COORDINATE WITH MECHANICAL PRIOR TO COMMENCING THE DEMO WORK AND DEMO ALL PLUMBING & ELECTRICAL ACCESSORIES RELATED TO MECHANICAL EQUIPMENT.
- EXISTING CONDITIONS SHOWN ARE BASED ON FIELD INVESTIGATIONS & SITE SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS SHOWN PRIOR TO INSTALLATION OF ANY WORK INCLUDING BUT NOT LIMITED TO THE EXACT LOCATIONS OF ALL EXISTING UNITS INCLUDING GAS FIRED FURNACES AND GAS WATER HEATERS. CONTRACTOR SHALL INFORM THE ENGINEER OF RECORD IF ANY MAJOR DISCREPANCIES OCCUR BETWEEN FIELD CONDITIONS PRIOR TO COMMENCING OF ANY WORK. ENGINEER WILL NOT BE RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT A NOTICE.

**DEMOLITION KEY NOTES**

- REMOVE (E) FURNACE AND ALL RELATED PIPING. PATCH/SEAL AND PAINT WALL AND CEILING TO MATCH EXISTING.
- EXISTING GAS LINE FROM EXISTING MECHANICAL UNITS (TYPICAL). VERIFY EXACT LOCATIONS IN FIELD. NOTE ALL EXISTING MECHANICAL UNITS AT THIS BUILDING WITH GAS SHALL BE REPLACED WITH ROOFTOP GAS UNITS. SEE MECHANICAL PLANS FOR NEW LOCATIONS. EXISTING GAS LINES SHALL BE REMOVED.
- REMOVE EXISTING GAS PRESSURE REGULATOR AND SHUT-OFF VALVE LOCATED IN EXISTING GAS VAULT. EXISTING GAS VAULT SHALL REMAIN.
- REMOVE EXISTING GAS LINE. VERIFY EXACT LOCATION IN THE FIELD.



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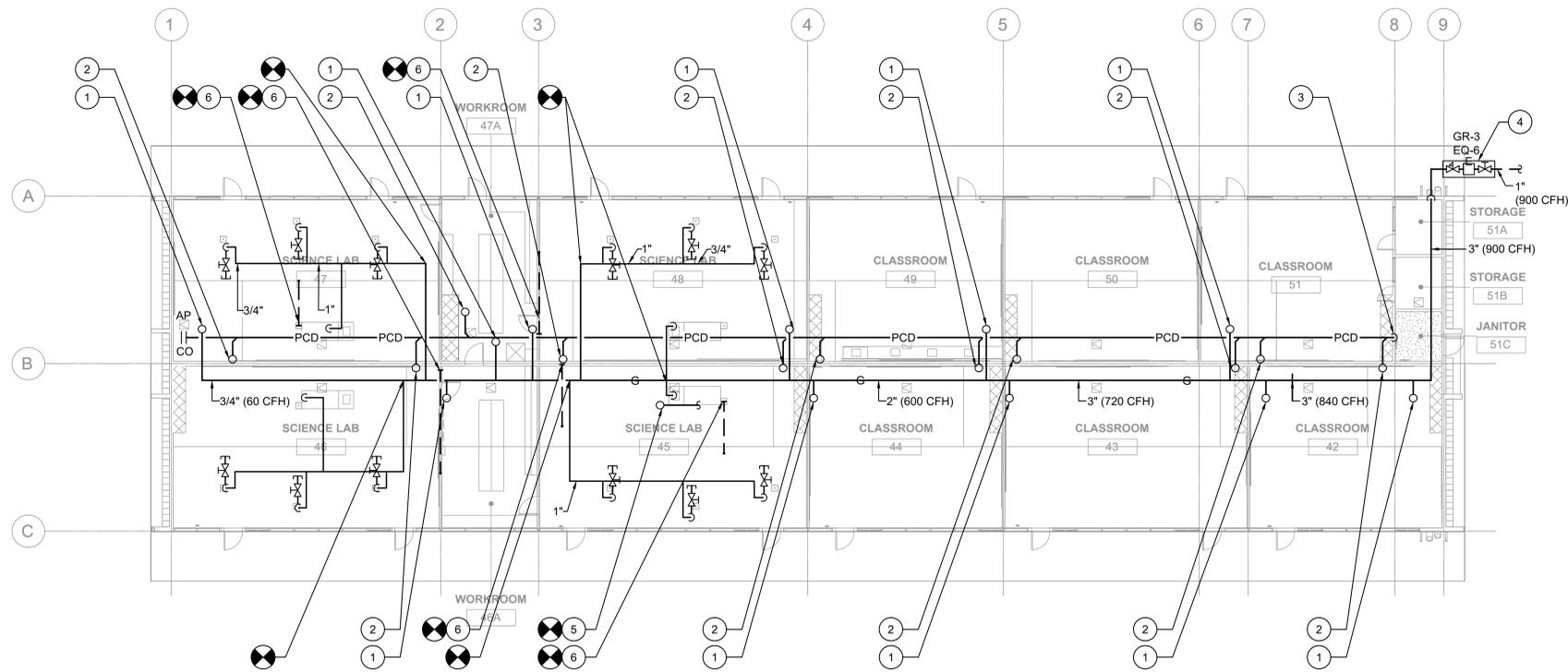
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OXNARD UNION HIGH SCHOOL DISTRICT  
 RIO MESA HIGH SCHOOL ALTERATION PROJECT  
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 OXNARD, CA 93036

CLASSROOM BUILDING 'D'  
 DEMOLITION PLUMBING PLAN

Job No: 2847.0200  
 Date: 10/23/2020  
**PD-201D**



1 CLASSROOM BUILDING 'E' RECONSTRUCTION PLUMBING PLAN  
3/32" = 1'-0"

GENERAL NOTES

- a. THERE SHALL BE NO SERVICE INTERRUPTION.
- b. PRIOR TO COMMENCING WORK CONTRACTOR SHALL VERIFY EXACT DEPTH AND LOCATION OF EXISTING GAS PIPING LINES AT THE FIELD.
- c. ALL PIPING ON THIS PLAN SHALL BE CONCEALED INSIDE THE WALL, FLOOR OR CEILING UNLESS NOTED OTHERWISE.
- d. REPAIR PAVING AFTER INSTALLATION AND INSPECTION OF UTILITIES INSTALLED. PAINT FLOOR TO MATCH PREVIOUS CONDITIONS.
- e. ALL NEW PIPE PENETRATION AT THE ROOF SHALL BE PROPERLY SEALED BY THE INSTALLING ROOF CONTRACTOR. SEE ARCHITECTURAL DRAWINGS.

CONSTRUCTION KEY NOTES

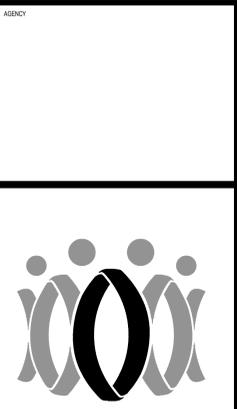
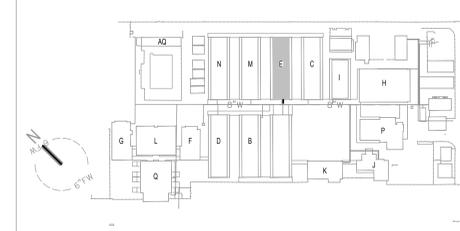
- 1 PROVIDE GAS TO THE MECHANICAL UNIT LOCATED ON THE ROOF. (SEE DET.#4.1/P-002)
- 2 PROVIDE CONDENSATE DRAIN TO THE MECHANICAL UNIT LOCATED ON ROOF.
- 3 PROVIDE 3/4" PUMPED CONDENSATE DRAIN TO THE JANITOR SINK.
- 4 PROVIDE NEW GAS PRESSURE REGULATOR, EARTHQUAKE VALVE AND SHUT-OFF VALVE.
- 5 3/4" CW SUPPLY TO HOSE BIBB LOCATED ON ROOF. CONNECT WITH EXISTING WATER HEADER. CONTRACTOR TO VERIFY EXACT LOCATION ON FIELD.
- 6 NEW VENT THROUGH ROOF LOCATION. VERIFY EXACT LOCATION IN THE FIELD.

LOW PRESSURE GAS SIZING CHART

250' TD.L @ 8" W.C.

PIPE	MAX. CFH
1/2"	30
3/4"	63
1"	119
1-1/4"	244
1-1/2"	366
2"	704
3"	1980
4"	4050

KEY PLAN



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Revisions

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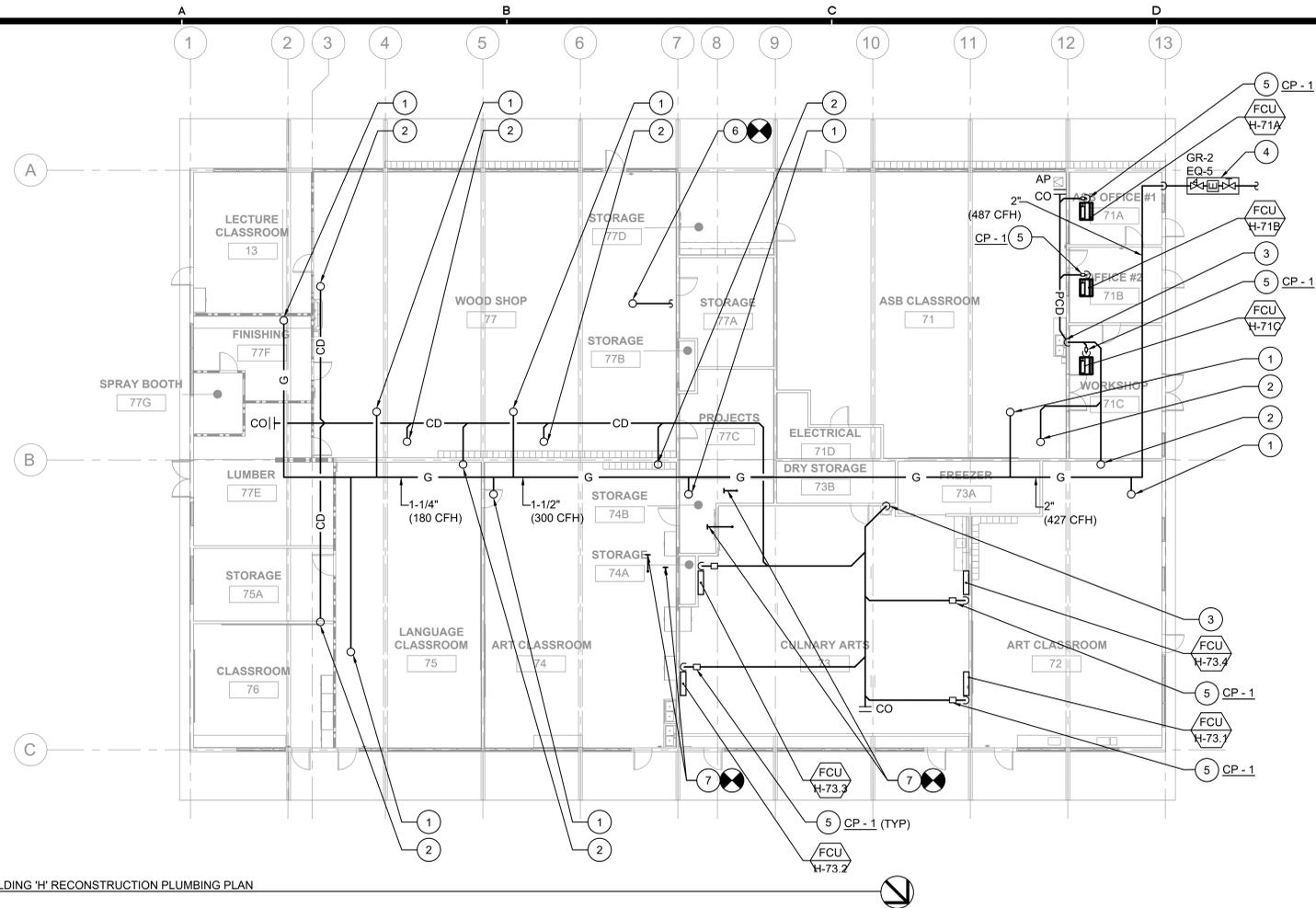
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CLASSROOM BUILDING 'E'  
RECONSTRUCTION  
PLUMBING PLAN

Job No: 2847.0200  
Date: 10/23/2020  
**PE-201**





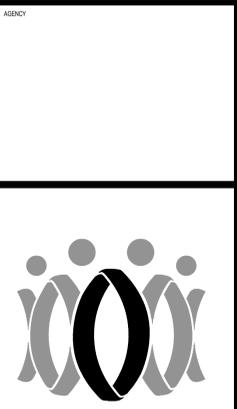
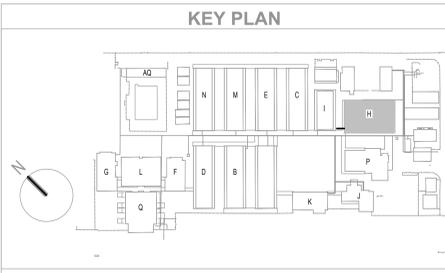
1 CLASSROOM BUILDING 'H' RECONSTRUCTION PLUMBING PLAN  
3/32" = 1'-0"

- GENERAL NOTES**
- THERE SHALL BE NO SERVICE INTERRUPTION.
  - PRIOR TO COMMENCING WORK CONTRACTOR SHALL VERIFY EXACT DEPTH AND LOCATION OF EXISTING GAS PIPING LINES AT THE FIELD.
  - ALL PIPING ON THIS PLAN SHALL BE CONCEALED INSIDE THE WALL, FLOOR OR CEILING UNLESS NOTED OTHERWISE.
  - REPAIR PAVING AFTER INSTALLATION AND INSPECTION OF UTILITIES INSTALLED. PAINT FLOOR TO MATCH PREVIOUS CONDITIONS.
  - ALL NEW PIPE PENETRATION AT THE ROOF SHALL BE PROPERLY SEALED BY THE INSTALLING ROOF CONTRACTOR. SEE ARCHITECTURAL DRAWINGS.

- CONSTRUCTION KEY NOTES**
- PROVIDE GAS TO THE MECHANICAL UNIT LOCATED ON THE ROOF. (SEE DET.#4: 1/P-002)
  - PROVIDE CONDENSATE DRAIN TO THE MECHANICAL UNIT LOCATED ON ROOF.
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  - PROVIDE NEW GAS PRESSURE REGULATOR, EARTHQUAKE VALVE AND SHUT-OFF VALVE.
  - CONDENSATE PUMP CONNECTED TO FAN COIL UNIT.
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  - NEW VENT THROUGH ROOF LOCATION. VERIFY EXACT LOCATION IN THE FIELD.

LOW PRESSURE GAS SIZING CHART  
250' TDL @ 8" W.C.

PIPE	MAX. CFH
1/2"	30
3/4"	63
1"	119
1-1/4"	244
1-1/2"	366
2"	704
3"	1980
4"	4050



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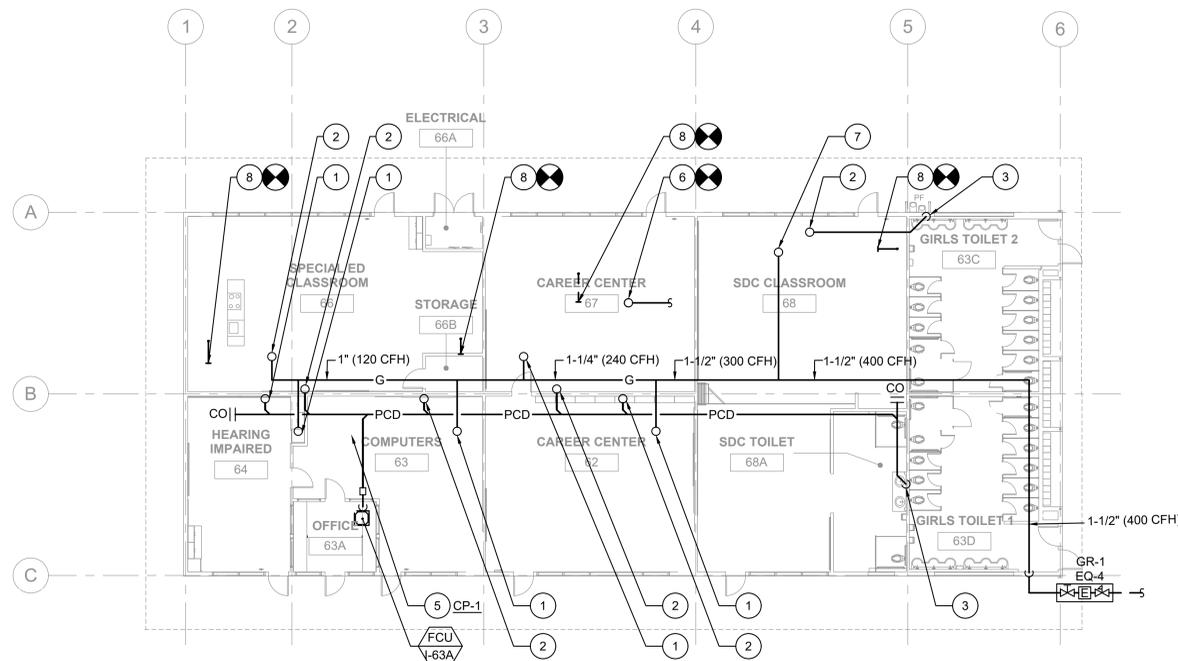
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545 CENTRAL AVE  
OXNARD, CA 93036

CLASSROOM BUILDING 'H' RECONSTRUCTION PLUMBING PLAN

Job No: 2847.0200  
Date: 10/23/2020  
**PH-201**



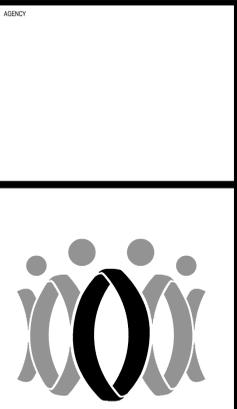
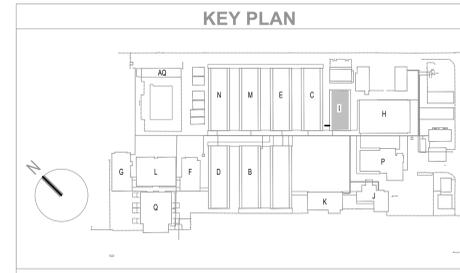
1 CLASSROOM BUILDING 'I' RECONSTRUCTION PLUMBING PLAN  
3/32" = 1'-0"

- GENERAL NOTES**
- THERE SHALL BE NO SERVICE INTERRUPTION.
  - PRIOR TO COMMENCING WORK CONTRACTOR SHALL VERIFY EXACT DEPTH AND LOCATION OF EXISTING GAS PIPING LINES AT THE FIELD.
  - ALL PIPING ON THIS PLAN SHALL BE CONCEALED INSIDE THE WALL, FLOOR OR CEILING UNLESS NOTED OTHERWISE.
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  - ALL NEW PIPE PENETRATION AT THE ROOF SHALL BE PROPERLY SEALED BY THE INSTALLING ROOF CONTRACTOR. SEE ARCHITECTURAL DRAWINGS.

- CONSTRUCTION KEY NOTES**
- PROVIDE GAS TO THE MECHANICAL UNIT LOCATED ON THE ROOF. (SEE DET.#4/P-002)
  - PROVIDE CONDENSATE DRAIN TO THE MECHANICAL UNIT LOCATED ON ROOF.
  - PROVIDE PUMPED CONDENSATE DRAIN TO THE LAVATORY TAIL PIECE. (SEE DET.#3.1/P-002)
  - PROVIDE NEW GAS PRESSURE REGULATOR, EARTHQUAKE VALVE AND SHUT-OFF VALVE.
  - CONDENSATE PUMP CONNECTED TO FAN COIL UNIT.
  - CW SUPPLY TO HOSE BIBB LOCATED ON ROOF. CONNECT WITH EXISTING WATER HEADER. CONTRACTOR TO VERIFY EXACT LOCATION ON FIELD.
  - PROVIDE GAS TO THE EXISTING MECHANICAL UNIT LOCATED ON THE ROOF. (SEE DET.#4/P-002)
  - NEW VENT THROUGH ROOF LOCATION. VERIFY EXACT LOCATION IN THE FIELD.

**LOW PRESSURE GAS SIZING CHART**  
175' TDL @ 8" W.C.

PIPE	MAX. CFH
1/2"	37
3/4"	77
1"	144
1-1/4"	296
1-1/2"	443
2"	854
3"	2410
4"	4910



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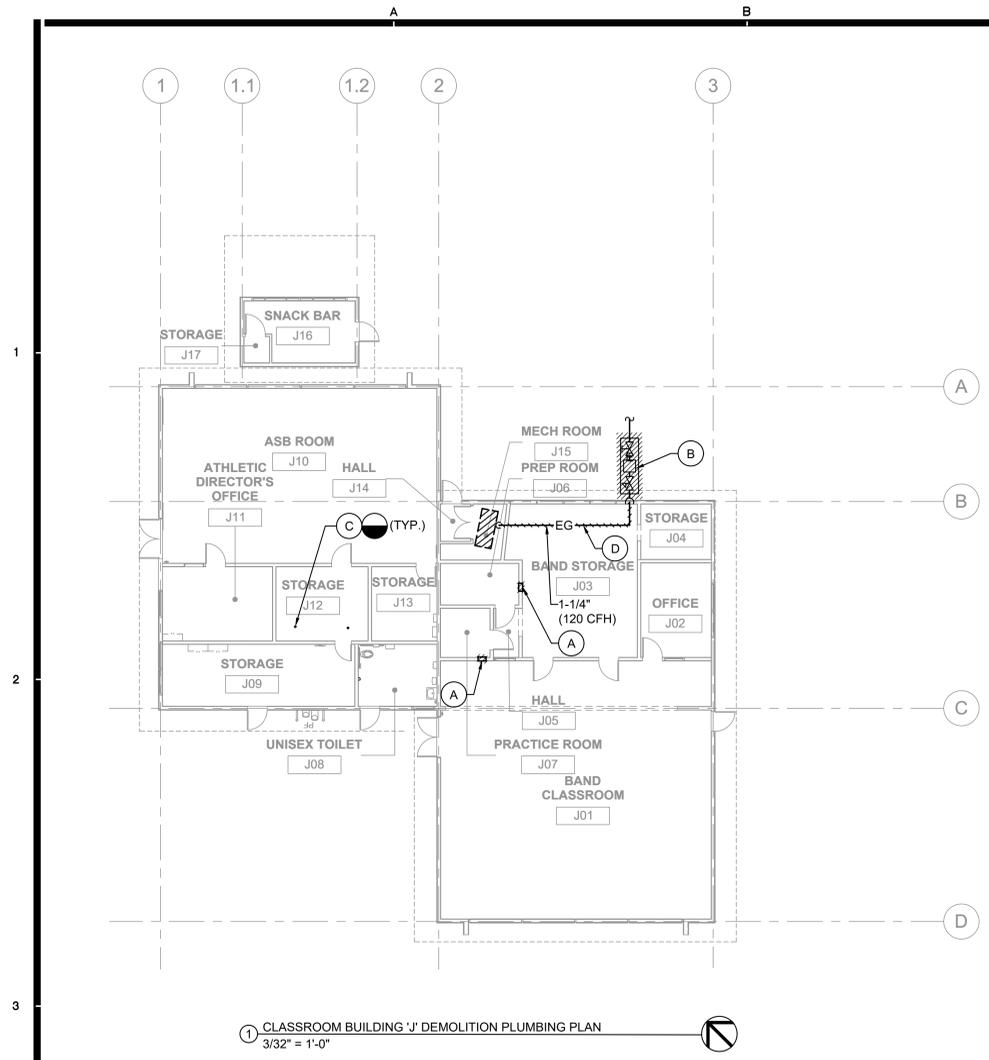
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CLASSROOM BUILDING 'I'  
RECONSTRUCTION  
PLUMBING PLAN

Job No: 2847.0200  
Date: 10/23/2020  
**PI-201**



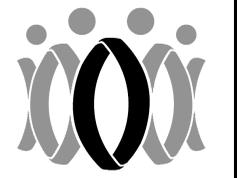
1 CLASSROOM BUILDING 'J' DEMOLITION PLUMBING PLAN  
3/32" = 1'-0"

DEMOLITION GENERAL NOTES

- a. CONTRACTOR TO COORDINATE WITH MECHANICAL PRIOR TO COMMENCING THE DEMO WORK AND DEMO ALL PLUMBING & ELECTRICAL ACCESSORIES RELATED TO MECHANICAL EQUIPMENT.
- b. EXISTING CONDITIONS SHOWN ARE BASED ON FIELD INVESTIGATIONS & SITE SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS SHOWN PRIOR TO INSTALLATION OF ANY WORK INCLUDING BUT NOT LIMITED TO THE EXACT LOCATIONS OF ALL EXISTING UNITS INCLUDING GAS FIRED FURNACES AND GAS WATER HEATERS. CONTRACTOR SHALL INFORM THE ENGINEER OF RECORD IF ANY MAJOR DISCREPANCIES OCCUR BETWEEN FIELD CONDITIONS PRIOR TO COMMENCING OF ANY WORK. ENGINEER WILL NOT BE RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT A NOTICE.

DEMOLITION KEY NOTES

- (A) REMOVE (E) ELECTRIC WALL HEATER INCLUDING ALL RELATED GAS PIPING. PATCH/SEAL AND PAINT WALL TO MATCH EXISTING.
- (B) REMOVE EXISTING GAS PRESSURE REGULATOR AND SHUT-OFF VALVE LOCATED IN EXISTING GAS VAULT. EXISTING GAS VAULT SHALL REMAIN.
- (C) DEMO EXISTING VTR AND REROUTE VENT LINE TO THE NEW LOCATION. SEE RECONSTRUCTION PLAN FOR NEW VTR LOCATION.
- (D) REMOVE EXISTING GAS LINE. VERIFY EXACT LOCATION IN THE FIELD.



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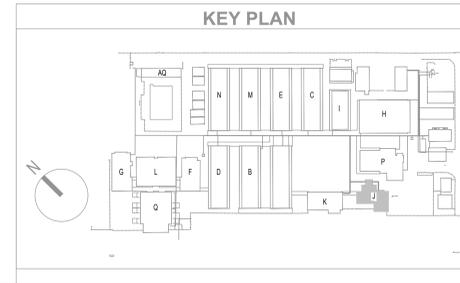
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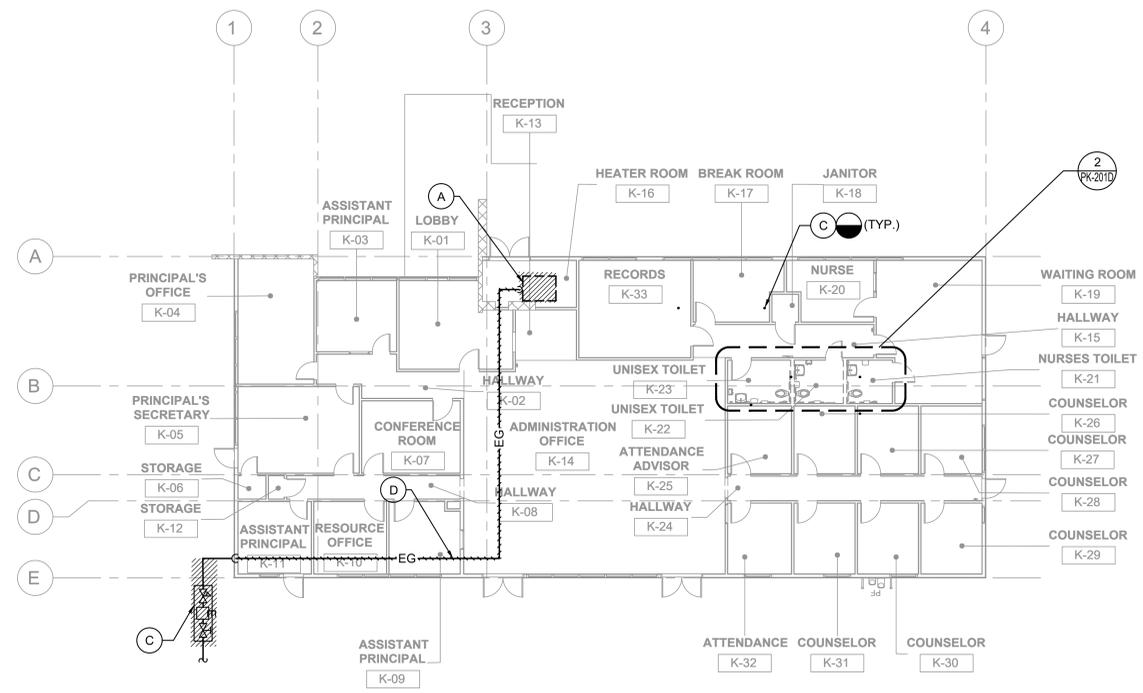
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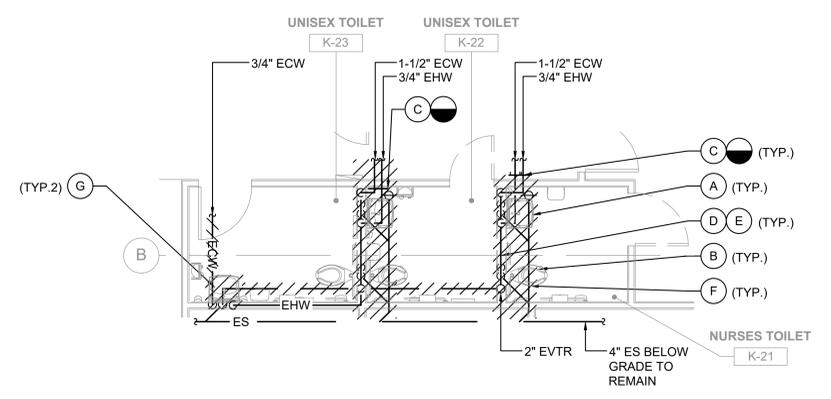
CLASSROOM BUILDING 'J'  
DEMOLITION  
PLUMBING PLAN

Job No: 2847.0200  
Date: 10/23/2020  
**PJ-201D**





1 CLASSROOM BUILDING 'K' DEMOLITION PLUMBING PLAN  
3/32" = 1'-0"



2 TOILETS K-21, K-22 AND K-23 - PLUMBING DEMOLITION PLAN  
1/4" = 1'-0"

**DEMOLITION GENERAL NOTES**

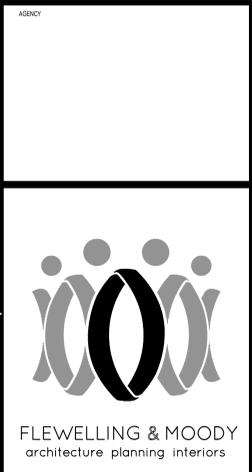
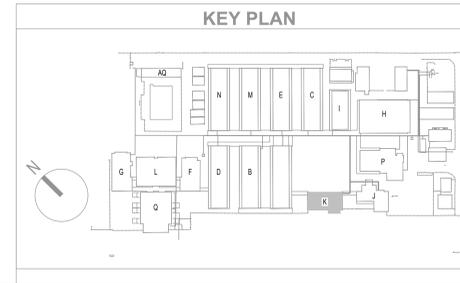
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**DEMOLITION KEY NOTES**

- REMOVE (E) FURNACE AND ALL RELATED GAS PIPING, PATCH/SEAL AND PAINT WALL AND CEILING TO MATCH EXISTING.
- REMOVE EXISTING GAS PRESSURE REGULATOR AND SHUT-OFF VALVE LOCATED IN EXISTING GAS VAULT. EXISTING GAS VAULT SHALL REMAIN.
- DEMO EXISTING VTR AND REROUTE VENT LINE TO THE NEW LOCATION. SEE RECONSTRUCTION PLAN FOR NEW VTR LOCATION.
- REMOVE EXISTING GAS LINE. VERIFY EXACT LOCATION IN THE FIELD.

**RESTROOM DEMOLITION KEY NOTES**

- REMOVE WATER CLOSET WITH ALL RELATED ACCESSORIES. CUT 4" W. (4FU) DOWN, 2" V. (2FU) UP AND 1- 1/2" CW (5FU) PIPING INSIDE THE WALL.
- REMOVE LAVATORY WITH ALL RELATED ACCESSORIES. CUT 2" W. (1FU) DOWN, 1-1/2" V. UP, 3/4" CW (1FU) AND 3/4" HW (1FU) PIPING INSIDE THE WALL.
- CUT AND CAP 1-1/2" ECW AND 3/4" EHW PIPING INSIDE CEILING SPACE.
- 1-1/2" ECW HEADER AND SHUT-OFF VALVE INSIDE THE WALL TO BE REMOVED.
- 2" EV HEADER INSIDE THE WALL TO BE REMOVED.
- 4" ES BELOW GRADE TO BE REMOVED.
- REMOVE LAVATORY WITH ALL RELATED ACCESSORIES. CUT 2" W. (1FU) DOWN, 1-1/2" V. UP, 3/4" CW (1FU) PIPING INSIDE THE WALL.



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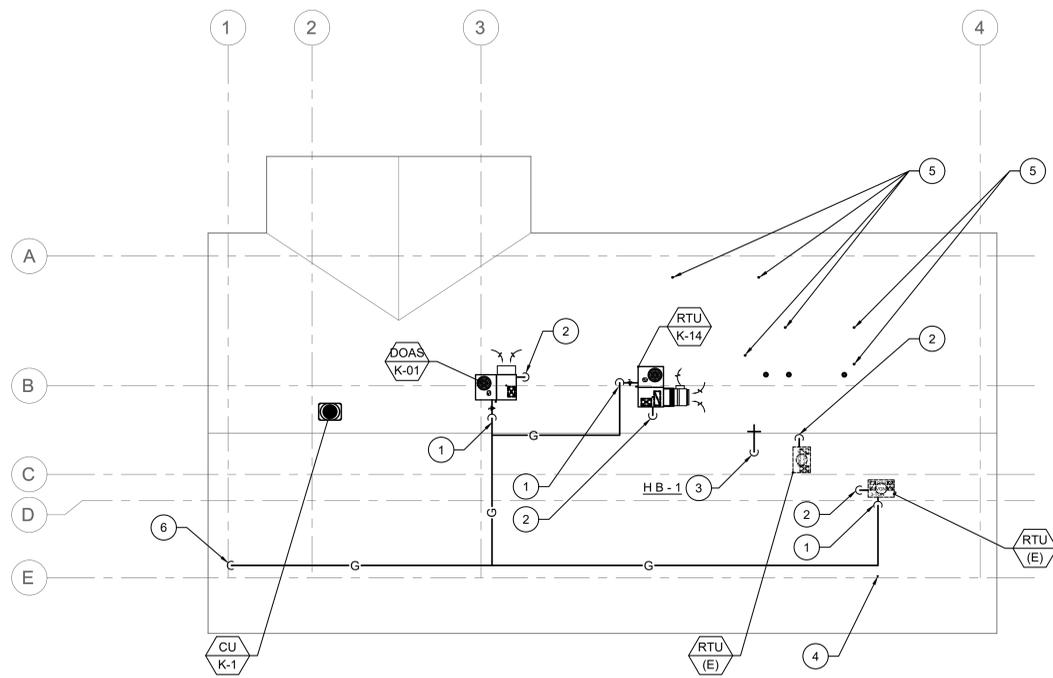
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OXNARD UNION HIGH SCHOOL DISTRICT  
RIO MESA HIGH SCHOOL ALTERATION PROJECT  
545 CENTRAL AVE  
OXNARD, CA 93036

ADMINISTRATION BUILDING 'K'  
DEMOLITION  
PLUMBING PLAN

Job No: 2847.0200  
Date: 10/23/2020  
**PK-201D**



1 CLASSROOM BUILDING 'K' PLUMBING ROOF PLAN  
3/32" = 1'-0"

GENERAL NOTES

- A. THERE SHALL BE NO SERVICE INTERRUPTION. PRIOR TO COMMENCING WORK CONTRACTOR SHALL VERIFY EXACT DEPTH AND LOCATION OF EXISTING GAS PIPING LINES AT THE FIELD.
- B. ALL PIPING ON THIS PLAN SHALL BE CONCEALED INSIDE THE WALL, FLOOR OR CEILING UNLESS NOTED OTHERWISE.
- C. COORDINATE EXACT GAS AND CONDENSATE DROPS WITH THE MECHANICAL UNIT SPECIFICATION CUT SHEETS.
- D. ALL NEW PIPE PENETRATION AT THE ROOF SHALL BE PROPERLY SEALED BY THE INSTALLING ROOF CONTRACTOR. SEE ARCHITECTURAL DRAWINGS.
- E. REFER TO P002 PLUMBING DETAILS FOR ROOFTOP UNIT CONNECTIONS.

CONSTRUCTION KEY NOTES

- 1 PROVIDE GAS TO THE MECHANICAL UNIT LOCATED ON THE ROOF.
- 2 PROVIDE CONDENSATE DRAIN TO THE MECHANICAL UNIT LOCATED ON ROOF.
- 3 INSTALL HOSE BIBB WITH ALL RELATED ACCESSORIES. RUN 3/4" CW UP TO HOSE BIBB. PROVIDE VACUUM BREAKER.
- 4 (E) ROOF VENT TO REMAIN. RE-ROUTE (E) PLUMBING VENTS MINIMUM 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKE IF ITS NEARBY.
- 5 NEW VTR LOCATION.
- 6 RUN GAS LINE DOWN.



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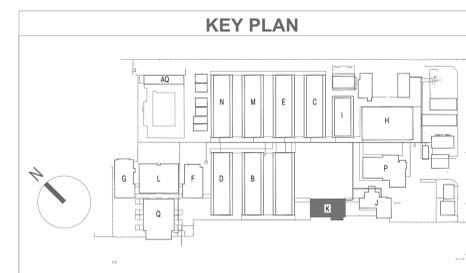
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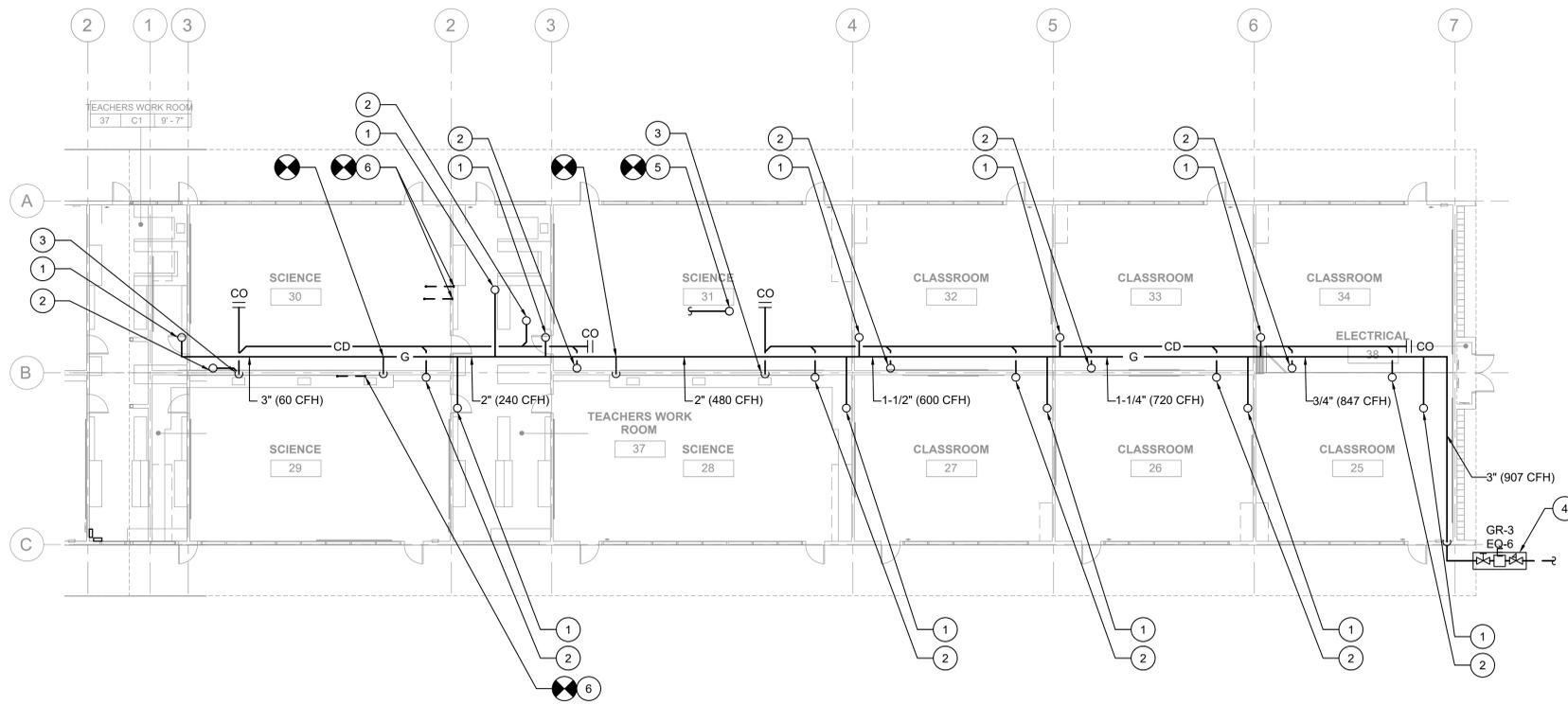
OXNARD UNION HIGH SCHOOL DISTRICT  
RIO MESA HIGH SCHOOL ALTERATION PROJECT  
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ADMINISTRATION BUILDING 'K'  
PLUMBING ROOF PLAN

Job No:  
2847.0200  
Date:  
10/23/2020

PK-202





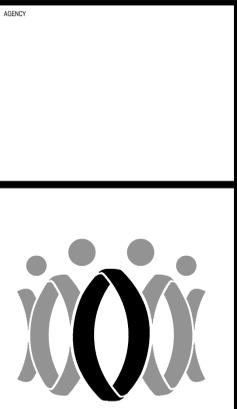
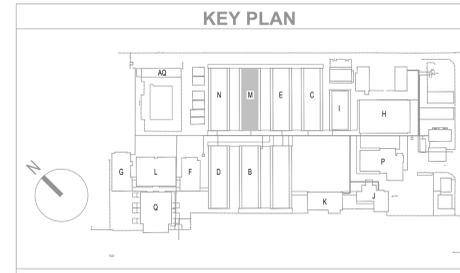
1 CLASSROOM BUILDING 'M' RECONSTRUCTION PLUMBING PLAN  
3/32" = 1'-0"

- GENERAL NOTES**
- THERE SHALL BE NO SERVICE INTERRUPTION.
  - PRIOR TO COMMENCING WORK CONTRACTOR SHALL VERIFY EXACT DEPTH AND LOCATION OF EXISTING GAS PIPING LINES AT THE FIELD.
  - ALL PIPING ON THIS PLAN SHALL BE CONCEALED INSIDE THE WALL, FLOOR OR CEILING UNLESS NOTED OTHERWISE.
  - REPAIR PAVING AFTER INSTALLATION AND INSPECTION OF UTILITIES INSTALLED. PAINT FLOOR TO MATCH PREVIOUS CONDITIONS.
  - ALL NEW PIPE PENETRATION AT THE ROOF SHALL BE PROPERLY SEALED BY THE INSTALLING ROOF CONTRACTOR. SEE ARCHITECTURAL DRAWINGS.

- CONSTRUCTION KEY NOTES**
- PROVIDE GAS TO THE MECHANICAL UNIT LOCATED ON THE ROOF.
  - PROVIDE CONDENSATE DRAIN TO THE MECHANICAL UNIT LOCATED ON ROOF.
  - PROVIDE 3/4" CD TO THE CLASSROOM SINK.
  - PROVIDE NEW GAS PRESSURE REGULATOR, EARTHQUAKE VALVE AND SHUT-OFF VALVE.
  - 3/4" CW SUPPLY TO HOSE BIBB LOCATED ON ROOF. CONNECT WITH EXISTING WATER HEADER. CONTRACTOR TO VERIFY EXACT LOCATION ON FIELD.
  - NEW VENT THROUGH ROOF LOCATION. VERIFY EXACT LOCATION IN THE FIELD.

LOW PRESSURE GAS SIZING CHART  
250' TDL @ 8" W.C.

PIPE	MAX. CFH
1/2"	30
3/4"	63
1"	119
1-1/4"	244
1-1/2"	366
2"	704
3"	1980
4"	4050



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**OXNARD UNION HIGH SCHOOL DISTRICT**

**RIO MESA HIGH SCHOOL ALTERATION PROJECT**

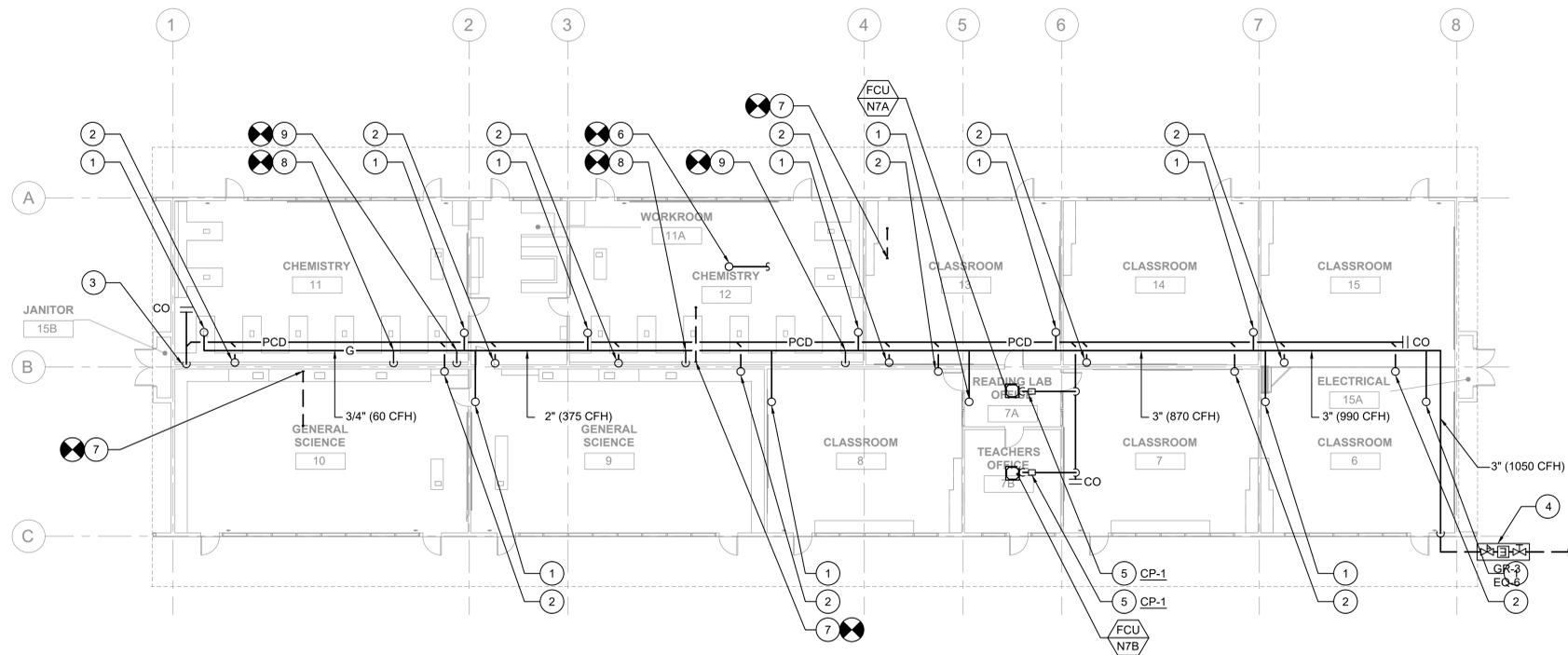
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**CLASSROOM BUILDING 'M' RECONSTRUCTION PLUMBING PLAN**

Job No:  
2847.0200

Date:  
10/23/2020

**PM-201**



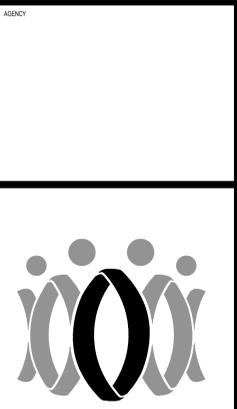
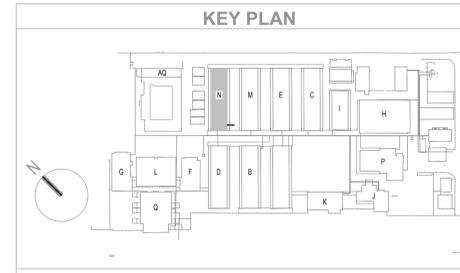
1 CLASSROOM BUILDING 'N' RECONSTRUCTION PLUMBING PLAN  
3/32" = 1'-0"

- GENERAL NOTES**
- THERE SHALL BE NO SERVICE INTERRUPTION.
  - PRIOR TO COMMENCING WORK CONTRACTOR SHALL VERIFY EXACT DEPTH AND LOCATION OF EXISTING GAS PIPING LINES AT THE FIELD.
  - ALL PIPING ON THIS PLAN SHALL BE CONCEALED INSIDE THE WALL, FLOOR OR CEILING UNLESS NOTED OTHERWISE.
  - REPAIR PAVING AFTER INSTALLATION AND INSPECTION OF UTILITIES INSTALLED. PAINT FLOOR TO MATCH PREVIOUS CONDITIONS.
  - ALL NEW PIPE PENETRATION AT THE ROOF SHALL BE PROPERLY SEALED BY THE INSTALLING ROOF CONTRACTOR. SEE ARCHITECTURAL DRAWINGS.

- CONSTRUCTION KEY NOTES**
- PROVIDE GAS TO THE MECHANICAL UNIT LOCATED ON THE ROOF.
  - PROVIDE CONDENSATE DRAIN TO THE MECHANICAL UNIT LOCATED ON ROOF.
  - PROVIDE 3/4" CD TO THE CLASSROOM SINK.
  - PROVIDE NEW GAS PRESSURE REGULATOR, EARTHQUAKE VALVE AND SHUT-OFF VALVE.
  - CONDENSATE PUMP CONNECTED TO FAN COIL UNIT.
  - 3/4" CW SUPPLY TO HOSE BIBB LOCATED ON ROOF. CONNECT WITH EXISTING WATER HEADER. CONTRACTOR TO VERIFY EXACT LOCATION ON FIELD.
  - NEW VENT THROUGH ROOF LOCATION. VERIFY EXACT LOCATION IN THE FIELD.
  - CONNECT EXISTING 3/4" GAS TO NEW GAS LINE.
  - CONNECT EXISTING 1-1/4" GAS TO NEW GAS LINE.

**LOW PRESSURE GAS SIZING CHART**  
250' TDL @ 8" W.C.

PIPE	MAX. CFH
1/2"	30
3/4"	63
1"	119
1-1/4"	244
1-1/2"	366
2"	704
3"	1980
4"	4050



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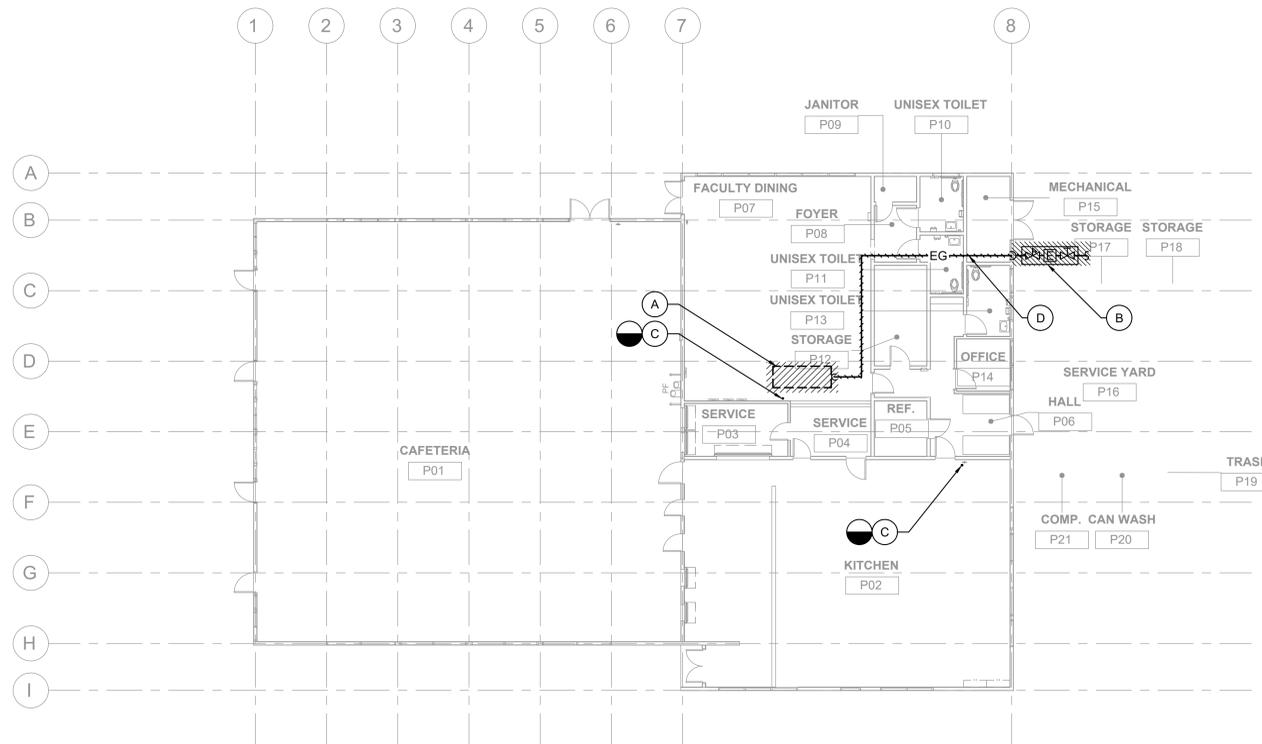
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CLASSROOM BUILDING 'N' RECONSTRUCTION PLUMBING PLAN

Job No. 2847.0200  
Date 10/23/2020  
**PN-201**



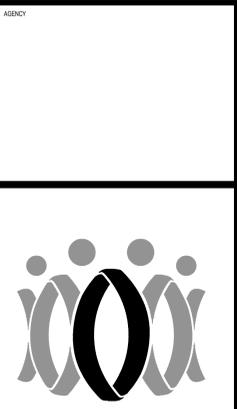
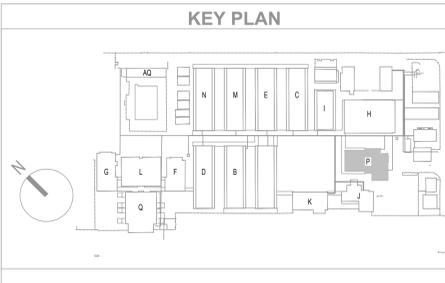
1 CLASSROOM BUILDING 'P' DEMOLITION PLUMBING PLAN  
3/32" = 1'-0"

**DEMOLITION GENERAL NOTES**

- CONTRACTOR TO COORDINATE WITH MECHANICAL PRIOR TO COMMENCING THE DEMO WORK AND DEMO ALL PLUMBING & ELECTRICAL ACCESSORIES RELATED TO MECHANICAL EQUIPMENT.
- EXISTING CONDITIONS SHOWN ARE BASED ON FIELD INVESTIGATIONS & SITE SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS SHOWN PRIOR TO INSTALLATION OF ANY WORK INCLUDING BUT NOT LIMITED TO THE EXACT LOCATIONS OF ALL EXISTING UNITS INCLUDING GAS FIRED FURNACES AND GAS WATER HEATERS. CONTRACTOR SHALL INFORM THE ENGINEER OF RECORD IF ANY MAJOR DISCREPANCIES OCCUR BETWEEN FIELD CONDITIONS PRIOR TO COMMENCING OF ANY WORK. ENGINEER WILL NOT BE RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT A NOTICE.

**DEMOLITION KEY NOTES**

- REMOVE (E) FURNACE AND ALL RELATED GAS PIPING. PATCH/SEAL AND PAINT WALL AND CEILING TO MATCH EXISTING.
- REMOVE EXISTING GAS PRESSURE REGULATOR AND SHUT-OFF VALVE LOCATED IN EXISTING GAS VAULT. EXISTING GAS VAULT SHALL REMAIN.
- DEMO EXISTING VTR AND REROUTE VENT LINE TO THE NEW LOCATION. SEE RECONSTRUCTION PLAN FOR NEW VTR LOCATION.
- REMOVE EXISTING GAS LINE. VERIFY EXACT LOCATION IN THE FIELD.



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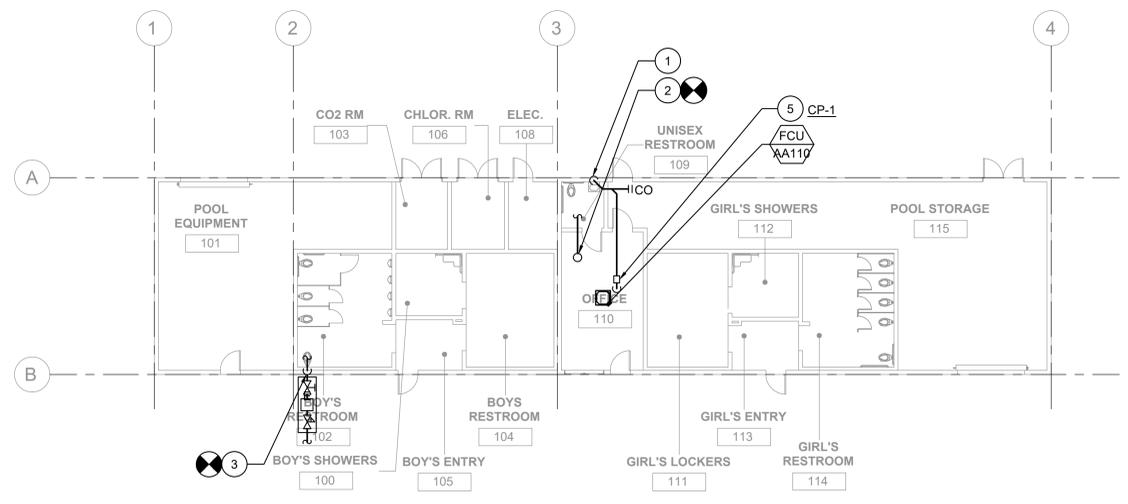
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CAFETERIA BUILDING 'P'  
DEMOLITION PLUMBING PLAN

Job No:  
2847.0200  
Date:  
10/23/2020  
**PP-201D**



1 AQUATIC CENTER BUILDING RECONSTRUCTION PLUMBING PLAN  
3/32" = 1'-0"

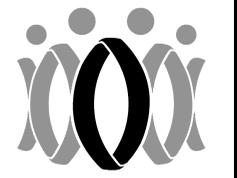


**GENERAL NOTES**

- a. THERE SHALL BE NO SERVICE INTERRUPTION.
- b. PRIOR TO COMMENCING WORK CONTRACTOR SHALL VERIFY EXACT DEPTH AND LOCATION OF EXISTING GAS PIPING LINES AT THE FIELD.
- c. ALL PIPING ON THIS PLAN SHALL BE CONCEALED INSIDE THE WALL, FLOOR OR CEILING UNLESS NOTED OTHERWISE.
- d. REPAIR PAVING AFTER INSTALLATION AND INSPECTION OF UTILITIES INSTALLED. PAINT FLOOR TO MATCH PREVIOUS CONDITIONS.
- e. ALL NEW PIPE PENETRATION AT THE ROOF SHALL BE PROPERLY SEALED BY THE INSTALLING ROOF CONTRACTOR. SEE ARCHITECTURAL DRAWINGS.

**CONSTRUCTION KEY NOTES**

- 1 PROVIDE 3/4" PCD TO THE LAVATORY TAILPIECE. (SEE DET.#3.1/P-002)
- 2 3/4" CW SUPPLY TO HOSE BIBB LOCATED ON ROOF. CONNECT WITH EXISTING WATER HEADER. CONTRACTOR TO VERIFY EXACT LOCATION ON FIELD.
- 3 PROVIDE NEW GAS REGULATOR, SHUT-OFF VALVE AND EARTHQUAKE VALVE AS PER THE NEW GAS LOAD.
- 4 CONDENSATE PUMP CONNECTED TO FAN COIL UNIT.



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545 CENTRAL AVE  
OXNARD, CA 93036

AQUATIC CENTER BUILDING RECONSTRUCTION PLUMBING PLAN

Job No: 2847.0200  
Date: 10/23/2020  
**PAQ-201**

