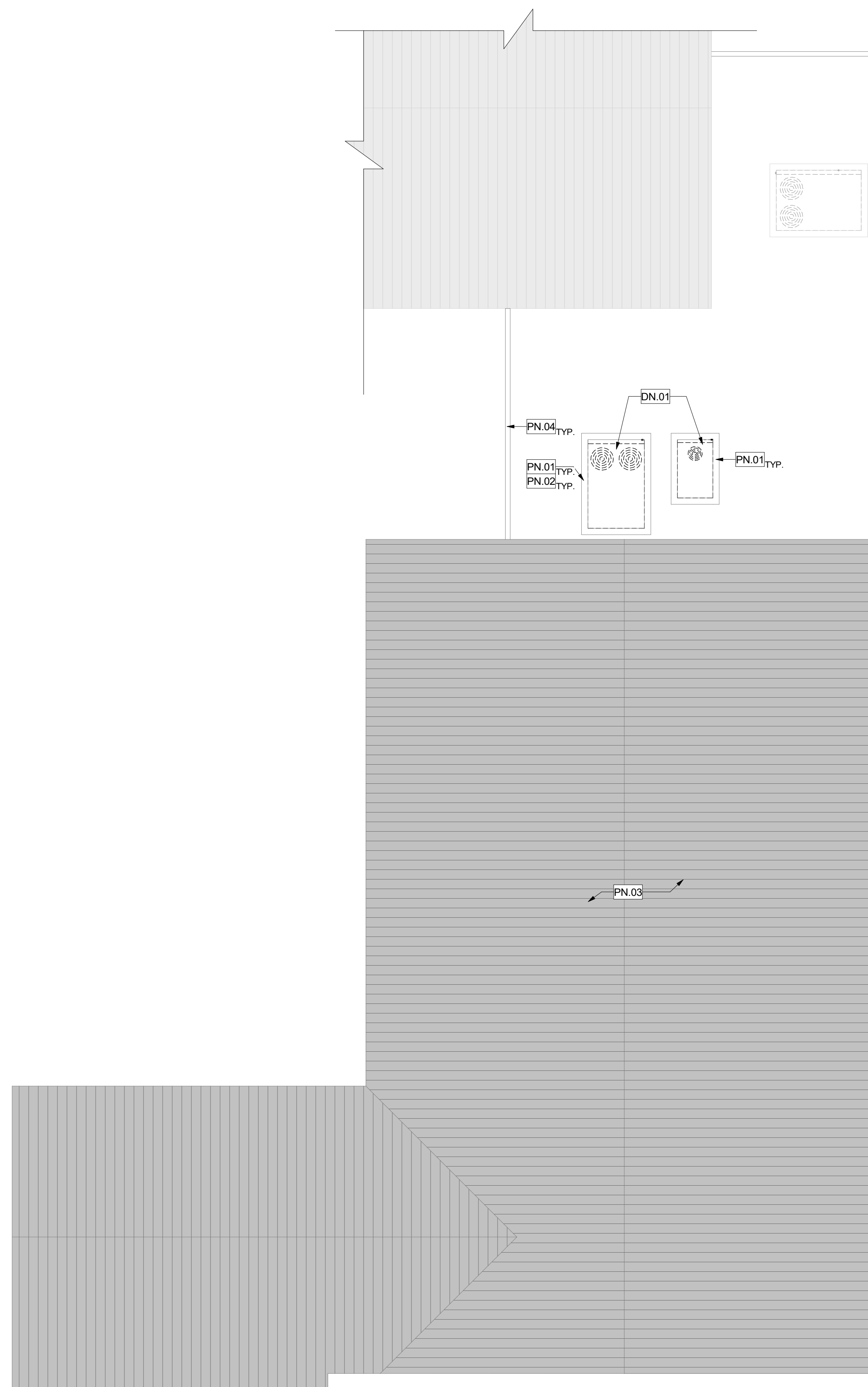


RENOVATION PLAN - BUILDING 100

2
1/8" = 1'-0"



DEMOLITION PLAN - BUILDING 100

1
1/8" = 1'-0"

GENERAL NOTES

- PATCH, REPAIR, OR REPLACE EXISTING MATERIALS DAMAGED BY WORK. PAINT ANY PATCHED AND REPAIRED SURFACES TO MATCH EXISTING COLOR AND FINISH.
- EXECUTION OF WORK SHALL BE DONE WITH APPLICABLE MATERIALS SO THAT SURFACES REPLACED WILL UPON COMPLETION MATCH SURROUNDING SURFACES OF SAME MATERIAL.
- FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2022 CFG, CHAPTER 33.
- REFER TO MECHANICAL DRAWINGS FOR MECHANICAL SCOPE OF WORK.
- REMOVE EXISTING CEILING DIFFUSER. PREPARE AREA OF REMOVAL TO RECEIVE NEW CEILING DIFFUSER. REFER TO MECHANICAL DRAWING FOR CEILING DIFFUSER.
- EXTERIOR DUCT PAINT:**

PRIMER:
PLAIN STEEL: TNEMEC SERIES 94-97 TNEME-ZINC, TWO-COMPONENT CATALYZED EPOXY COATING AT 2.5-3.5 MILS DFT.
GALVANIZED STEEL: TNEMEC SERIES 169 EPOXOLINE, TWO-COMPONENT CATALYZED EPOXY COATING AT 2-3 MILS DFT.

FINISH COATING:
 TNEMEC SERIES 1095 ENDURA-SHIELD, PIGMENTED, ALIPHATIC, POLYURETHANE COATING, SEMI-GLOSS SHEEN AT 3MILS DFT MINIMUM.

FINISH COLORS:
 AS INDICATED ON THE DRAWINGS

OR APPROVED EQUAL

PROTECTION KEYNOTES / PN.#

| PN# | DESCRIPTION |
|-------|---|
| PN.01 | (E) CURBS TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION |
| PN.02 | (E) INTERIOR DUCTWORK TO REMAIN. PROTECT IN PLACE |
| PN.03 | (E) TILE ROOFING TO REMAIN |
| PN.04 | (E) WALL. PROTECT IN PLACE |

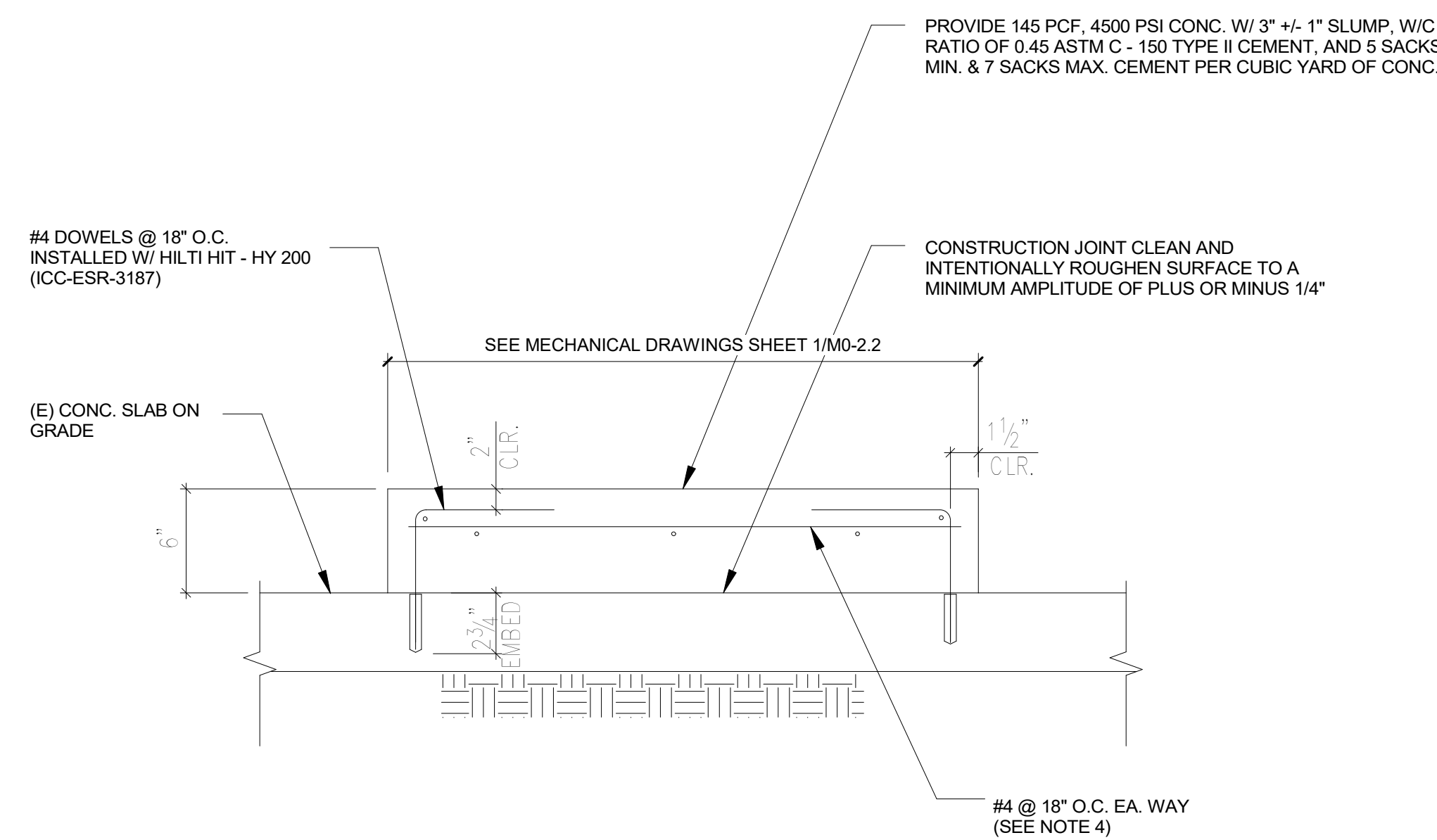
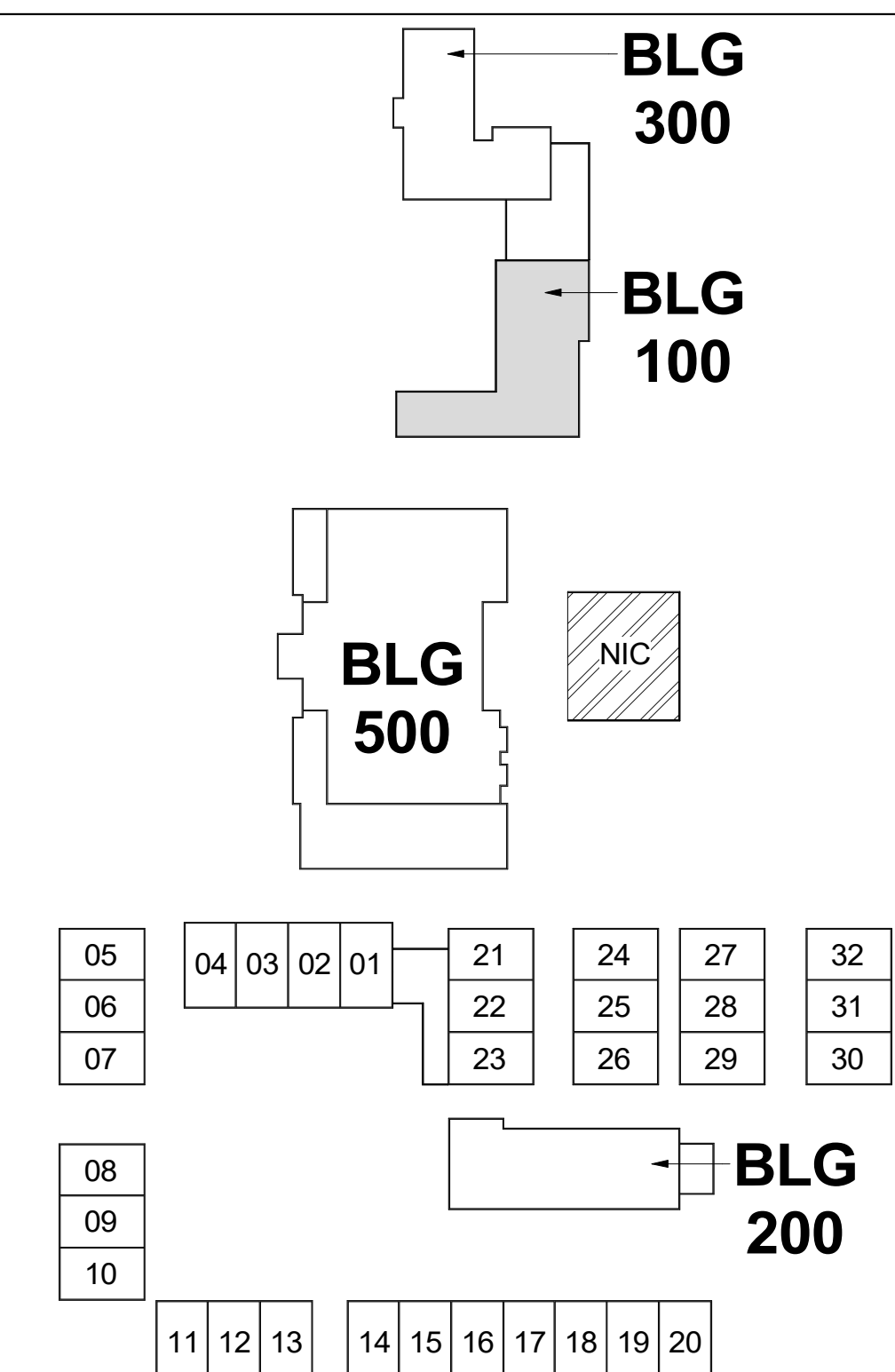
DEMOLITION KEYNOTES / DN.#

| DN# | DESCRIPTION |
|-------|--|
| DN.01 | REMOVE EXISTING GRADE MOUNTED AIR CONDITIONING UNIT. |

RENOVATION KEYNOTES / SN.#

| SN# | DESCRIPTION |
|-------|---|
| SN.01 | NEW AIR CONDITIONING UNIT PER MECHANICAL DRAWINGS. |
| SN.02 | PAINT EXTERIOR DUCTWORK IN WHITE. SEE GENERAL NOTES 6 |

KEY PLAN



- NOTES:
- SEE MECHANICAL FOR SIZE, HEIGHT AND LOCATION OF CURBS AND PADS.
 - PROVIDE INSERTS AS REQ'D BY ARCH & MECH. DRAWINGS.
 - PULL TEST ALL ADHESIVE INSTALLED ANCHORS TO 4100# MINIMUM.
 - WHERE CONC. PAD EXTENSION OCCURS, REBAR SHALL BE DOWNLOADED INTO (E) CONC. PAD W/ HILTI HIT - HY 200 (ICC ESR - 3187) W/ 2 3/4" EMBED.

CONCRETE PADS AT (E) SLAB

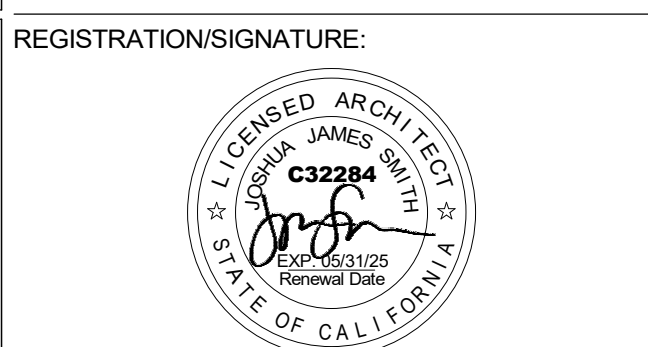
3



DISCOVERY
ELEMENTARY
SCHOOL
VICTOR
ELEMENTARY
SCHOOL DISTRICT
13247 AMETHYST RD,
VICTORVILLE, CA 92392

ISSUED FOR:
DSA REVIEW SUBMITTAL 03/29/2023

REVISIONS:

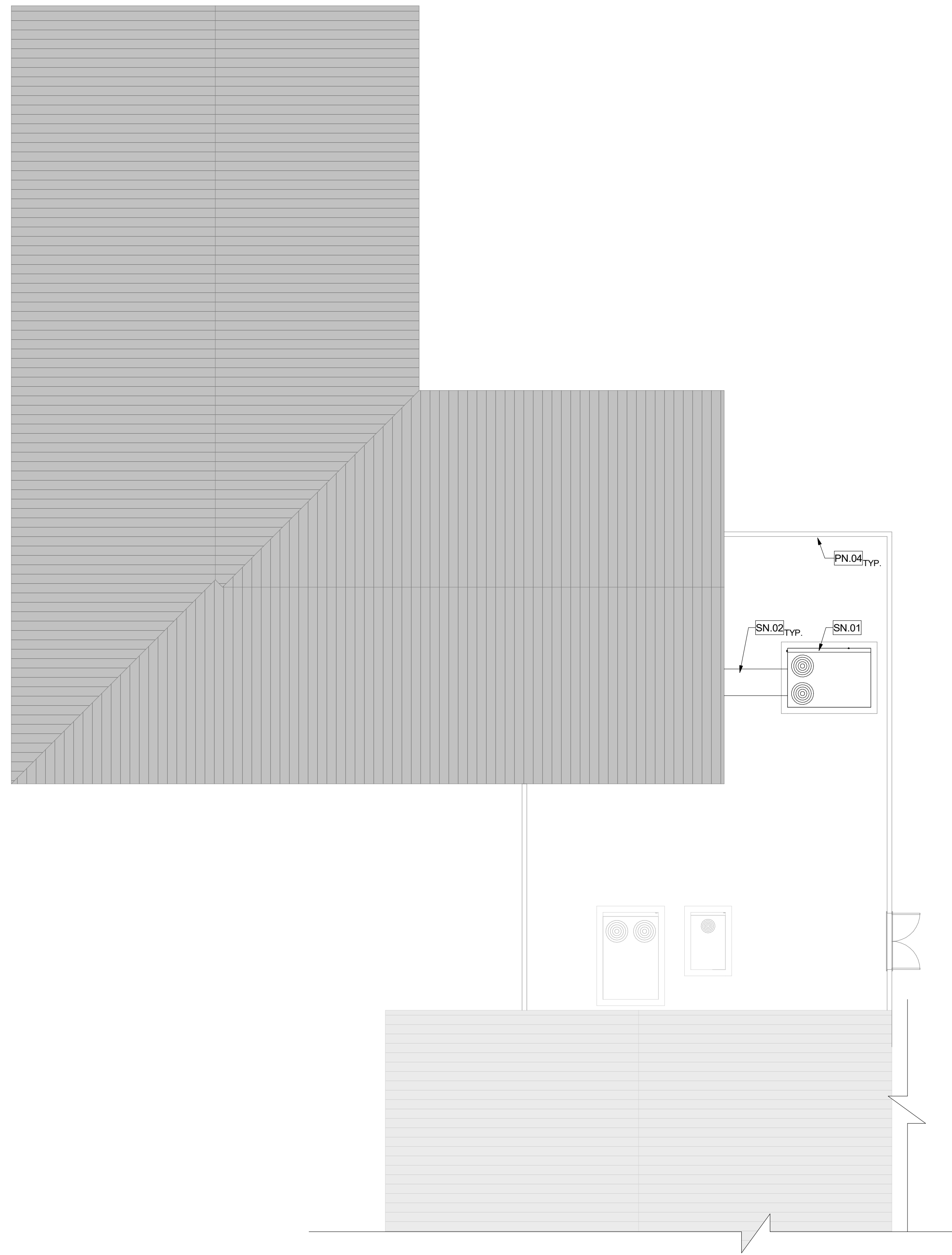


SHEET TITLE:
BUILDING 100

SHEET NUMBER:
A5-1.1

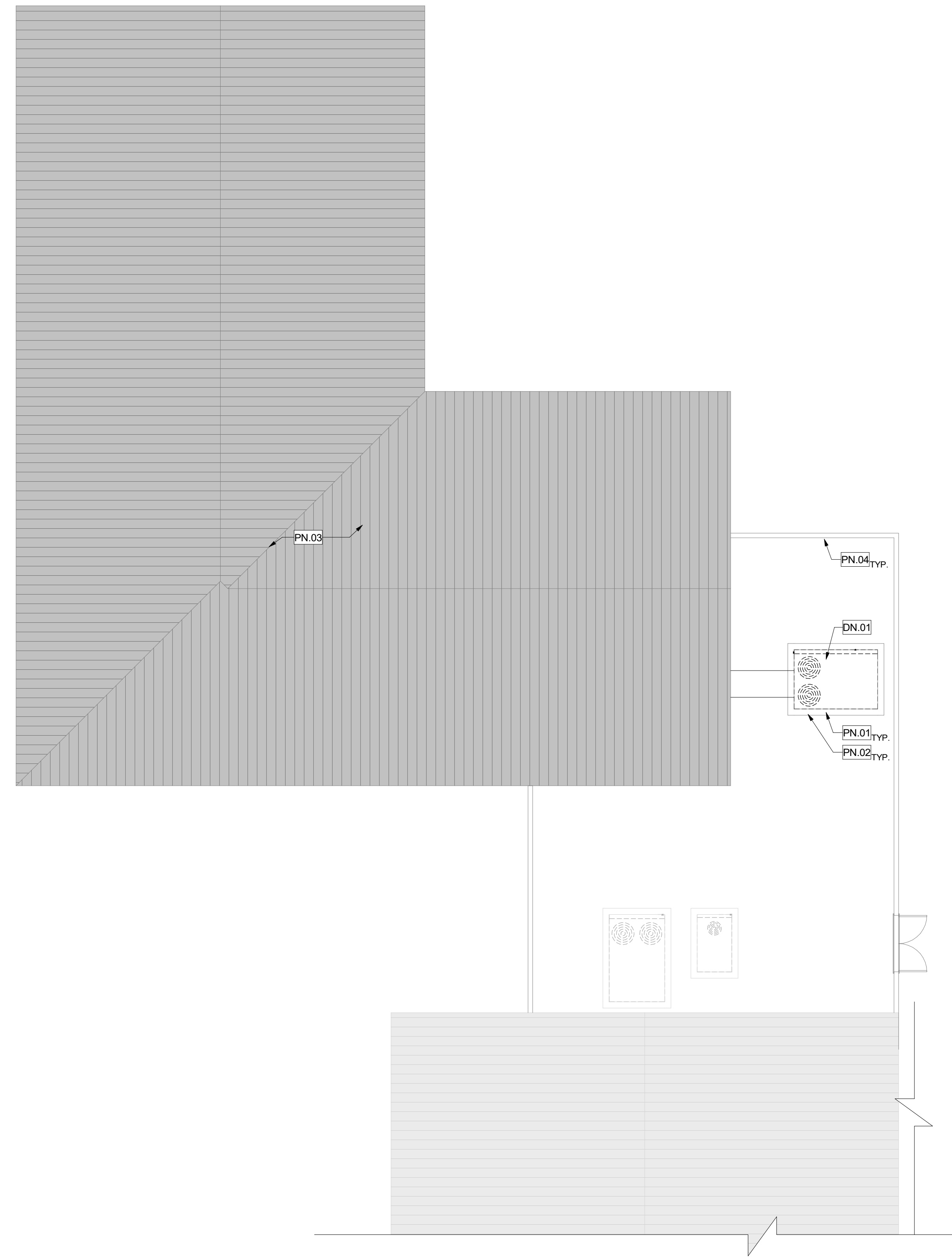
WD PROJ. # 22825 | DRAWN BY: KD | CHECKED: MC/CW | DATE: 03/29/23

© WESTGROUP DESIGNS, INC.



RENOVATION PLAN - BUILDING 300

2
1/8" = 1'-0"



DEMOLITION PLAN - BUILDING 300

1
1/8" = 1'-0"

GENERAL NOTES

1. PATCH, REPAIR, OR REPLACE EXISTING MATERIALS DAMAGED BY WORK. PAINT ANY PATCHED AND REPAIRED SURFACES TO MATCH EXISTING COLOR AND FINISH.
2. EXECUTION OF WORK SHALL BE DONE WITH APPLICABLE MATERIALS SO THAT SURFACES REPLACED WILL UPON COMPLETION MATCH SURROUNDING SURFACES OF SAME MATERIAL.
3. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2022 CFG, CHAPTER 33.
4. REFER TO MECHANICAL DRAWINGS FOR MECHANICAL SCOPE OF WORK.
5. REMOVE EXISTING CEILING DIFFUSER. PREPARE AREA OF REMOVAL TO RECEIVE NEW CEILING DIFFUSER. REFER TO MECHANICAL DRAWING FOR CEILING DIFFUSER.
6. **EXTERIOR DUCT PAINT:**

PRIMER:
PLAIN STEEL: TNE MEC SERIES 94-97 TNE ME-ZINC, TWO-COMPONENT CATALYZED EPOXY COATING AT 2.5-3.5 MILS DFT.
GALVANIZED STEEL: TNE MEC SERIES 168 EPOXOLINE, TWO-COMPONENT CATALYZED EPOXY COATING AT 2-3 MILS DFT.

FINISH COATING:
 TNE MEC SERIES 1095 ENDURA-SHIELD, PIGMENTED, ALIPHATIC, POLYURETHANE COATING, SEMI-GLOSS SHEEN AT 3MILS DFT MINIMUM.

FINISH COLORS:
 AS INDICATED ON THE DRAWINGS

OR APPROVED EQUAL

PROTECTION KEYNOTES

| PN# | DESCRIPTION |
|-------|---|
| PN.01 | (E) CURBS TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION |
| PN.02 | (E) INTERIOR DUCTWORK TO REMAIN. PROTECT IN PLACE |
| PN.03 | (E) TILE ROOFING TO REMAIN |
| PN.04 | (E) WALL TO REMAIN. PROTECT IN PLACE |

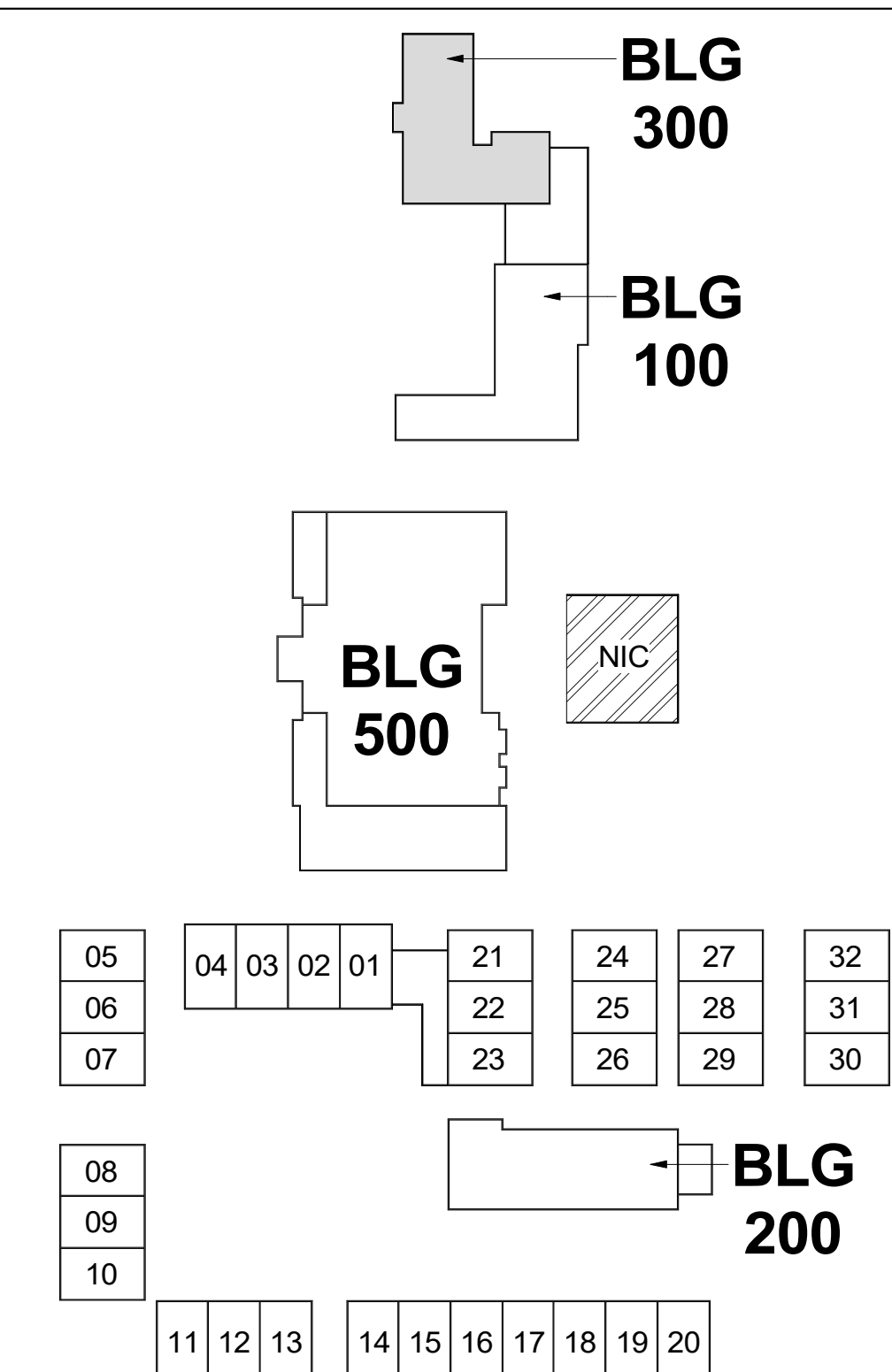
DEMOLITION KEYNOTES

| DN# | DESCRIPTION |
|-------|--|
| DN.01 | REMOVE EXISTING GRADE MOUNTED AIR CONDITIONING UNIT. |

RENOVATION KEYNOTES

| SN# | DESCRIPTION |
|-------|--|
| SN.01 | NEW GRADE MOUNTED AIR CONDITIONING UNIT PER MECHANICAL DRAWINGS. |
| SN.02 | PAINT EXTERIOR DUCTWORK IN WHITE. SEE GENERAL NOTES 6 |

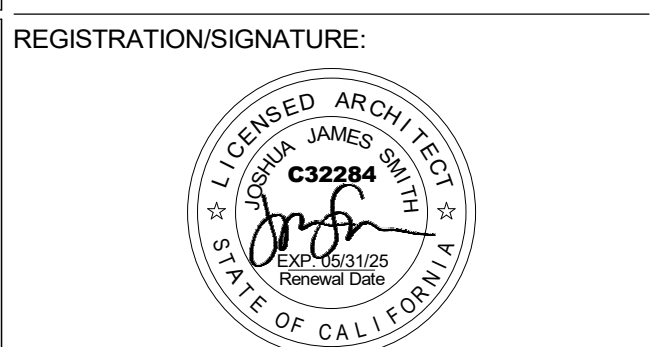
KEY PLAN



DISCOVERY
 ELEMENTARY
 SCHOOL
 VICTOR
 ELEMENTARY
 SCHOOL DISTRICT
 13247 AMETHYST RD,
 VICTORVILLE, CA 92392

ISSUED FOR:
 DSA REVIEW SUBMITTAL 03/29/2023

REVISIONS:

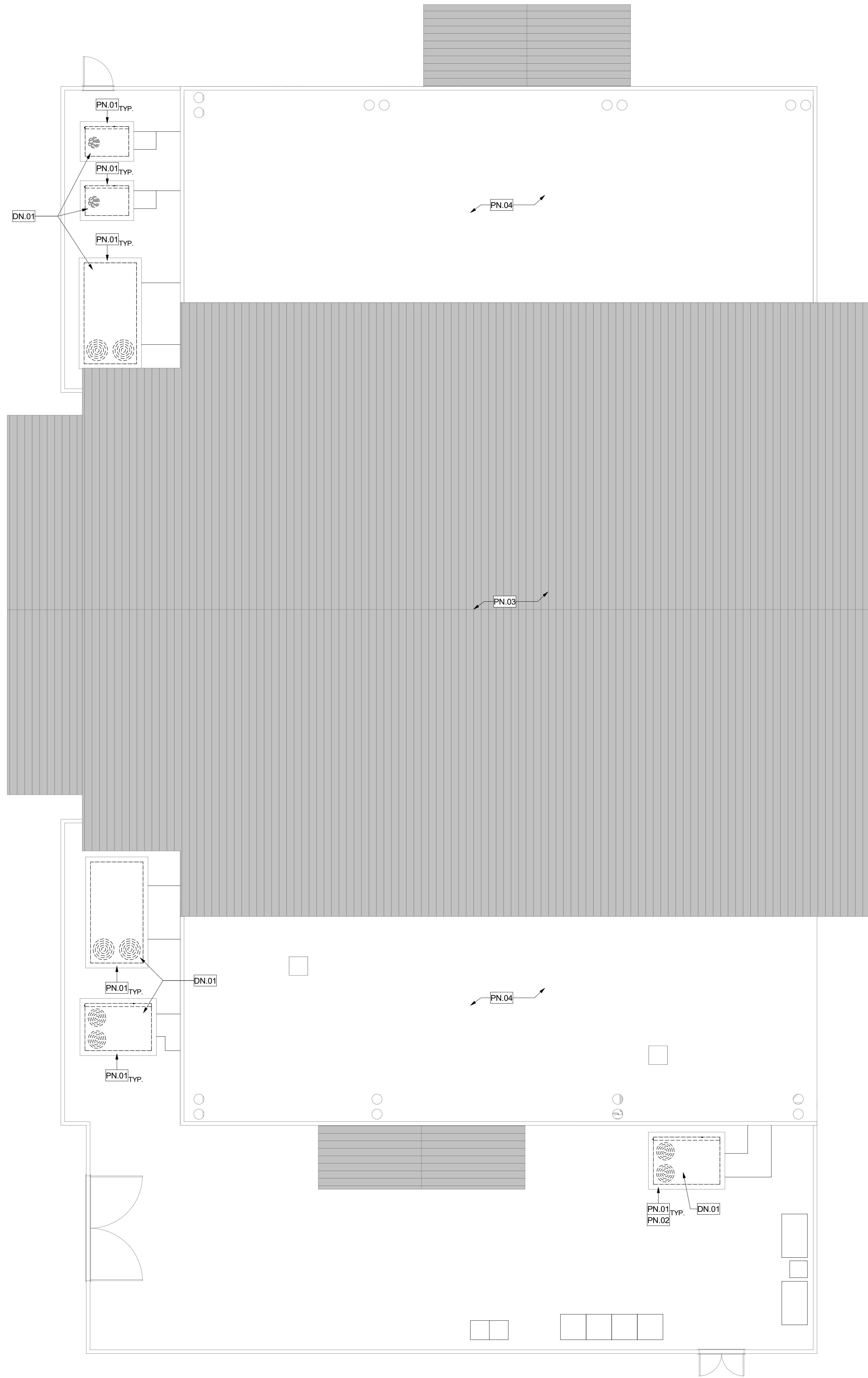


SHEET TITLE:
BUILDING 300

SHEET NUMBER:
A5-1.3

| | | | |
|-----------|----------|---------|----------|
| WD PROJ # | DRAWN BY | CHECKED | DATE |
| 22825 | KD | MC/CW | 03/29/23 |

© WESTGROUP DESIGNS, INC.



GENERAL NOTES

1. PATCH, REPAIR, OR REPLACE EXISTING MATERIALS DAMAGED BY WORK. PAINT ANY PATCHED AND REPAIRED SURFACES TO MATCH EXISTING COLOR AND FINISH.
2. EXECUTION OF WORK SHALL BE DONE WITH APPLICABLE MATERIALS SO THAT SURFACES REPLACED WILL UPON COMPLETION MATCH SURROUNDING SURFACES OF SAME MATERIAL.
3. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2022 CFG, CHAPTER 33.
4. REFER TO MECHANICAL DRAWINGS FOR MECHANICAL SCOPE OF WORK.
5. REMOVE EXISTING CEILING DIFFUSER. PREPARE AREA OF REMOVAL TO RECEIVE NEW CEILING DIFFUSER. REFER TO MECHANICAL DRAWING FOR CEILING DIFFUSER.
6. **EXTERIOR DUCT PAINT:**

PRIMER:
PLAIN STEEL: TNEMEC SERIES 94-97 TNEME-ZINC, TWO-COMPONENT CATALYZED EPOXY COATING AT 2.5-3.5 MILS DFT.
GALVANIZED STEEL: TNEMEC SERIES 168 EPOXOLINE, TWO-COMPONENT CATALYZED EPOXY COATING AT 2-3 MILS DFT.

FINISH COATING:
 TNEMEC SERIES 1095 ENDURA-SHIELD, PIGMENTED, ALIPHATIC, POLYURETHANE COATING, SEMI-GLOSS SHEEN AT 3MILS DFT MINIMUM.

FINISH COLORS:
 AS INDICATED ON THE DRAWINGS

OR APPROVED EQUAL

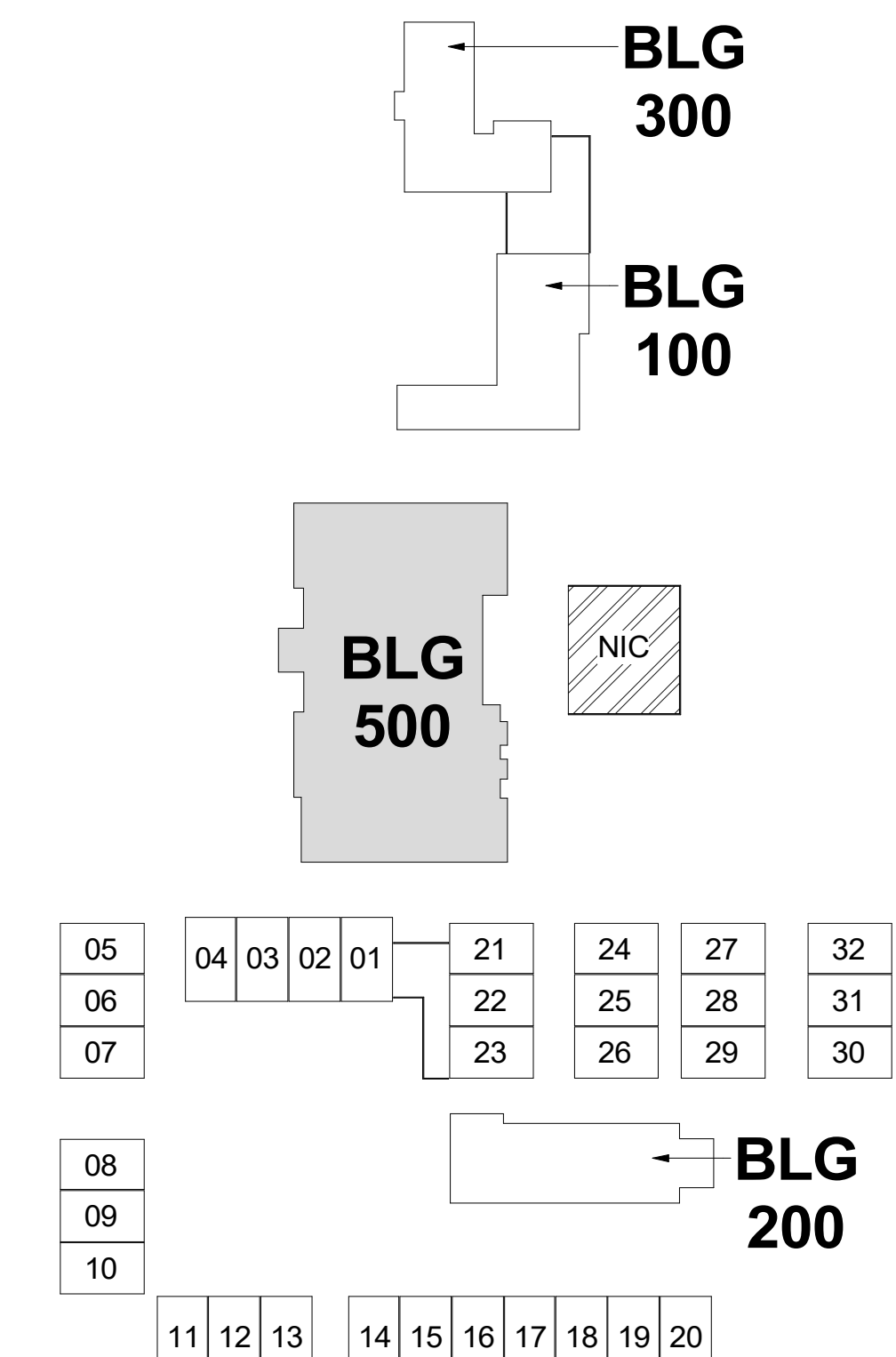
PROTECTION KEYNOTES

| PN# | DESCRIPTION |
|-------|---|
| PN.01 | (E) CURBS TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION |
| PN.02 | (E) INTERIOR DUCTWORK TO REMAIN. PROTECT IN PLACE |
| PN.03 | (E) TILE ROOFING TO REMAIN |
| PN.04 | (E) BUILT IN ROOFING |

DEMOLITION KEYNOTES

| SN# | DESCRIPTION |
|-------|--|
| DN.01 | REMOVE EXISTING GRADE MOUNTED AIR CONDITIONING UNIT. |

KEY PLAN

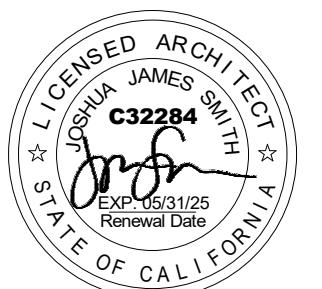


DISCOVERY
ELEMENTARY
SCHOOL
VICTOR
ELEMENTARY
SCHOOL DISTRICT
13247 AMETHYST RD,
VICTORVILLE, CA 92392

ISSUED FOR:
 DSA REVIEW SUBMITTAL 03/29/2023

REVISIONS:

REGISTRATION/SIGNATURE:



SHEET TITLE:

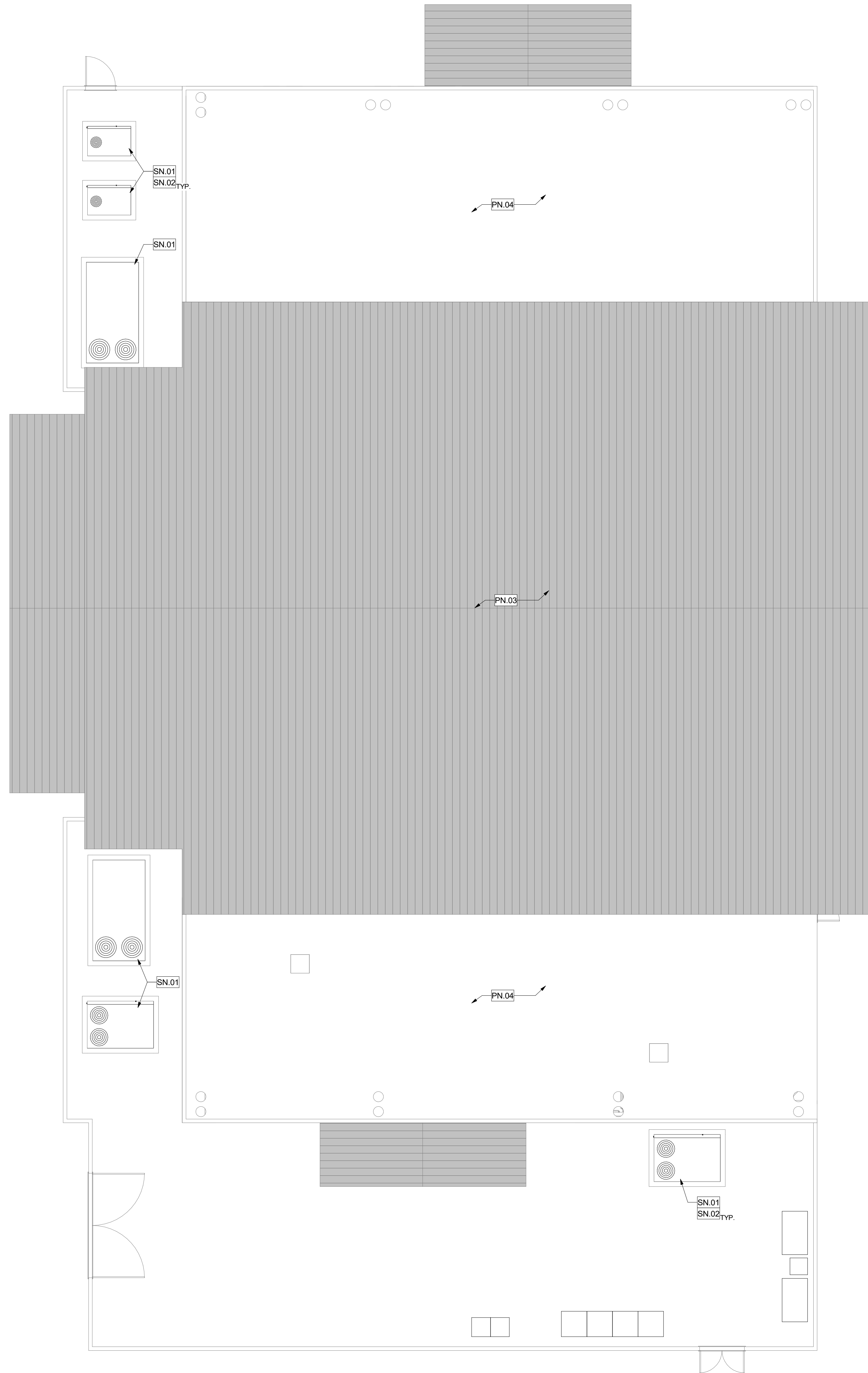
BUILDING 500

SHEET NUMBER:

A5-1.4

WD PROJ # 22825 | DRAWN BY: KD | CHECKED: MC/CW | DATE: 03/29/23

© WESTGROUP DESIGNS, INC.



GENERAL NOTES

1. PATCH, REPAIR, OR REPLACE EXISTING MATERIALS DAMAGED BY WORK. PAINT ANY PATCHED AND REPAIRED SURFACES TO MATCH EXISTING COLOR AND FINISH.
2. EXECUTION OF WORK SHALL BE DONE WITH APPLICABLE MATERIALS SO THAT SURFACES REPLACED WILL UPON COMPLETION MATCH SURROUNDING SURFACES OF SAME MATERIAL.
3. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2022 CFG, CHAPTER 33.
4. REFER TO MECHANICAL DRAWINGS FOR MECHANICAL SCOPE OF WORK.
5. REMOVE EXISTING CEILING DIFFUSER. PREPARE AREA OF REMOVAL TO RECEIVE NEW CEILING DIFFUSER. REFER TO MECHANICAL DRAWING FOR CEILING DIFFUSER.
6. **EXTERIOR DUCT PAINT:**

PRIMER:
PLAIN STEEL: TNE MEC SERIES 94-97 TNE ME-ZINC, TWO-COMPONENT CATALYZED EPOXY COATING AT 2.5-3.5 MILS DFT.
GALVANIZED STEEL: TNE MEC SERIES 169 EPOXYOLINE, TWO-COMPONENT CATALYZED EPOXY COATING AT 2-3 MILS DFT.

FINISH COATING:
 TNE MEC SERIES 1095 ENDURA-SHIELD, PIGMENTED, ALIPHATIC, POLYURETHANE COATING, SEMI-GLOSS SHEEN AT 3MILS DFT MINIMUM.

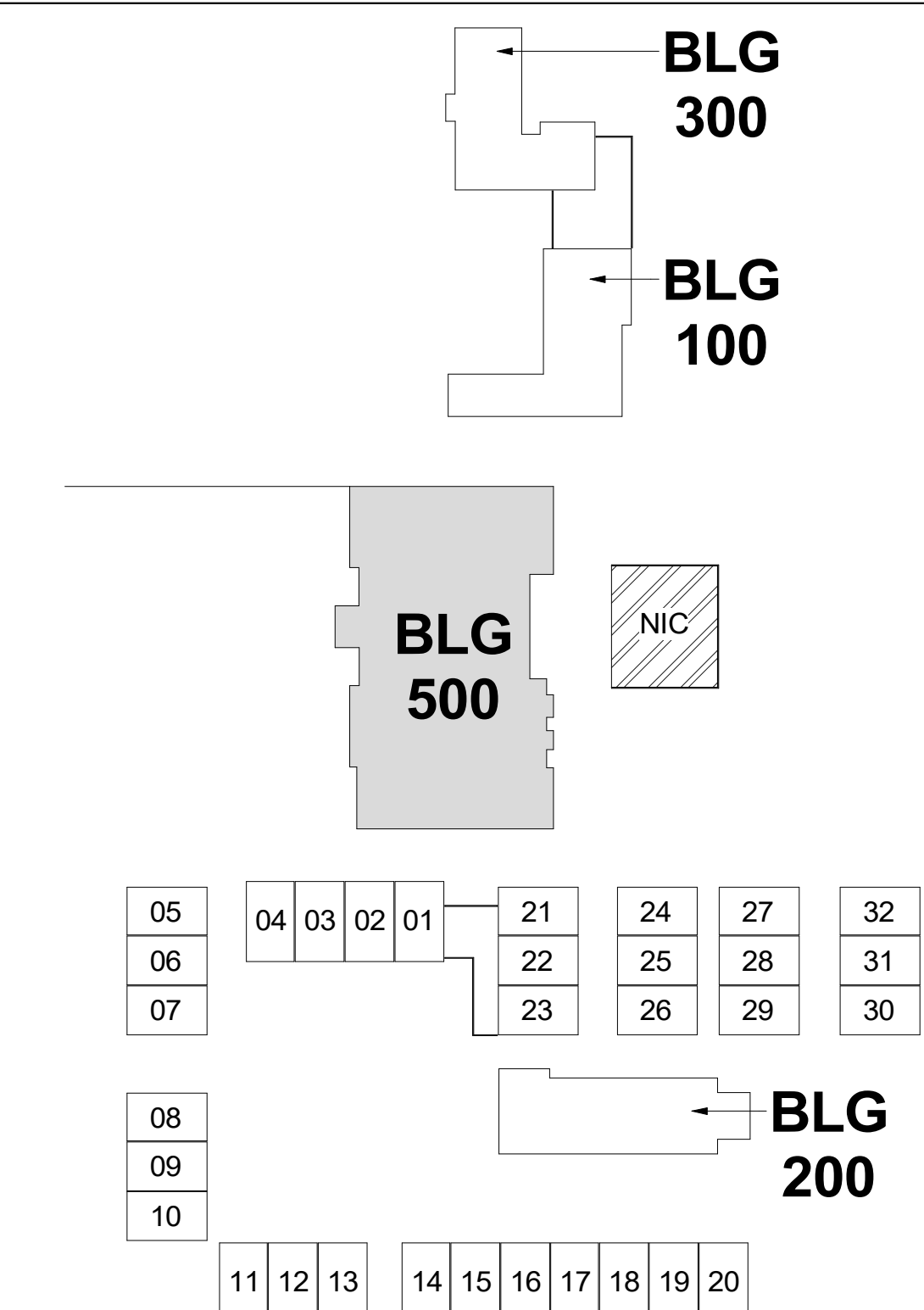
FINISH COLORS:
 AS INDICATED ON THE DRAWINGS

OR APPROVED EQUAL

RENOVATION KEYNOTES

| SN# | DESCRIPTION |
|-------|--|
| SN.01 | NEW GRADE MOUNTED AIR CONDITIONING UNIT PER MECHANICAL DRAWINGS. |
| SN.02 | PAINT EXTERIOR DUCTWORK IN WHITE |

KEY PLAN

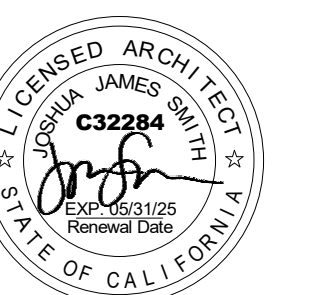


DISCOVERY
 ELEMENTARY
 SCHOOL
 VICTOR
 ELEMENTARY
 SCHOOL DISTRICT
 13247 AMETHYST RD,
 VICTORVILLE, CA 92392

ISSUED FOR:
 DSA REVIEW SUBMITTAL 03/29/2023

REVISIONS:

REGISTRATION/SIGNATURE:



SHEET TITLE:

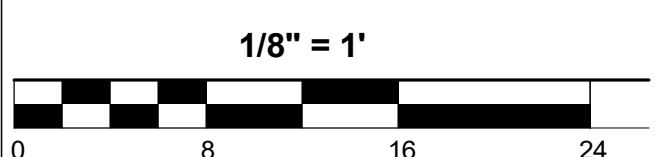
BUILDING 500

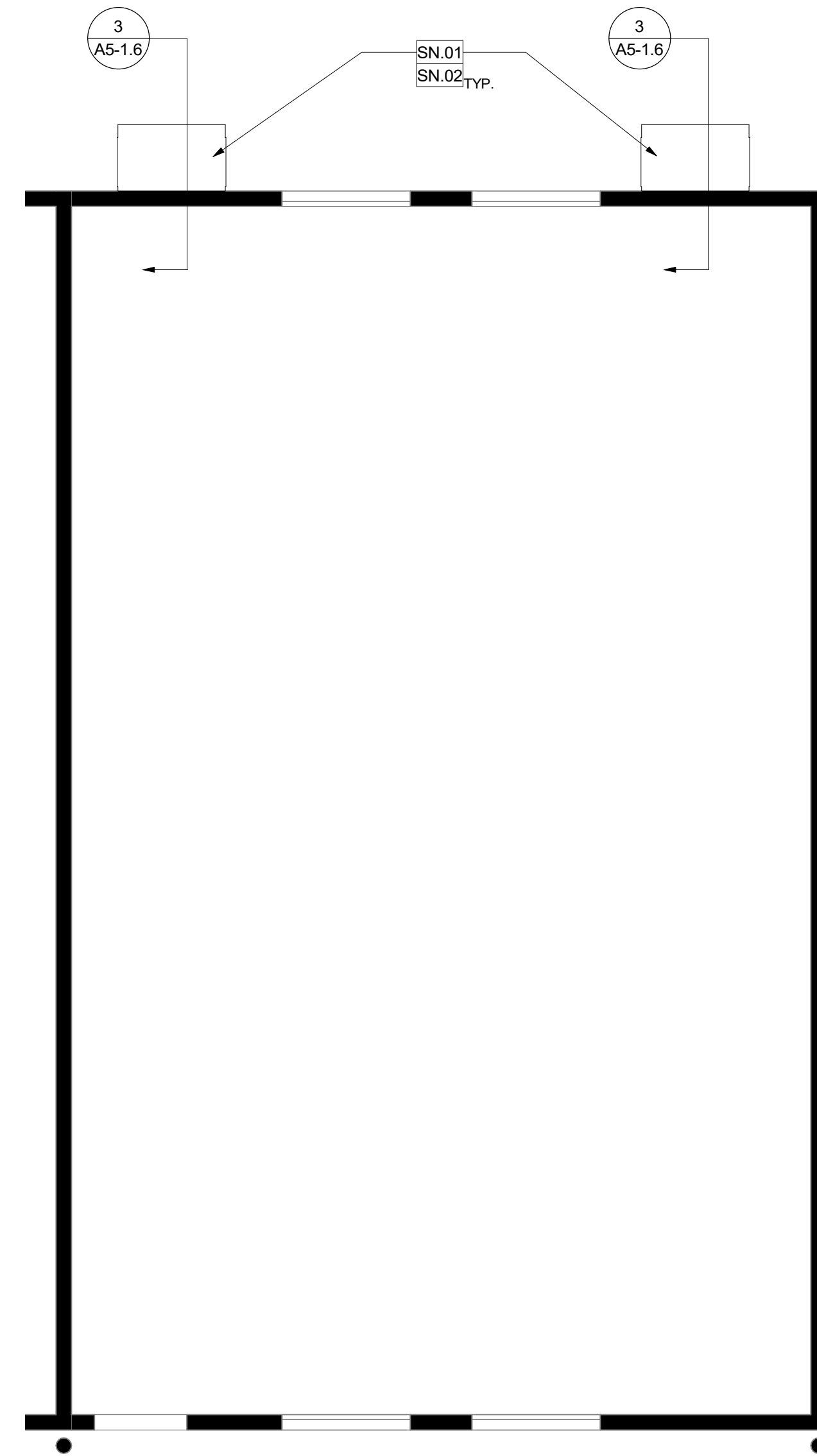
SHEET NUMBER:

A5-1.5

WD PROJ # 22825 | DRAWN BY: KD | CHECKED: MC/CW | DATE: 03/29/23

© WESTGROUP DESIGNS, INC.

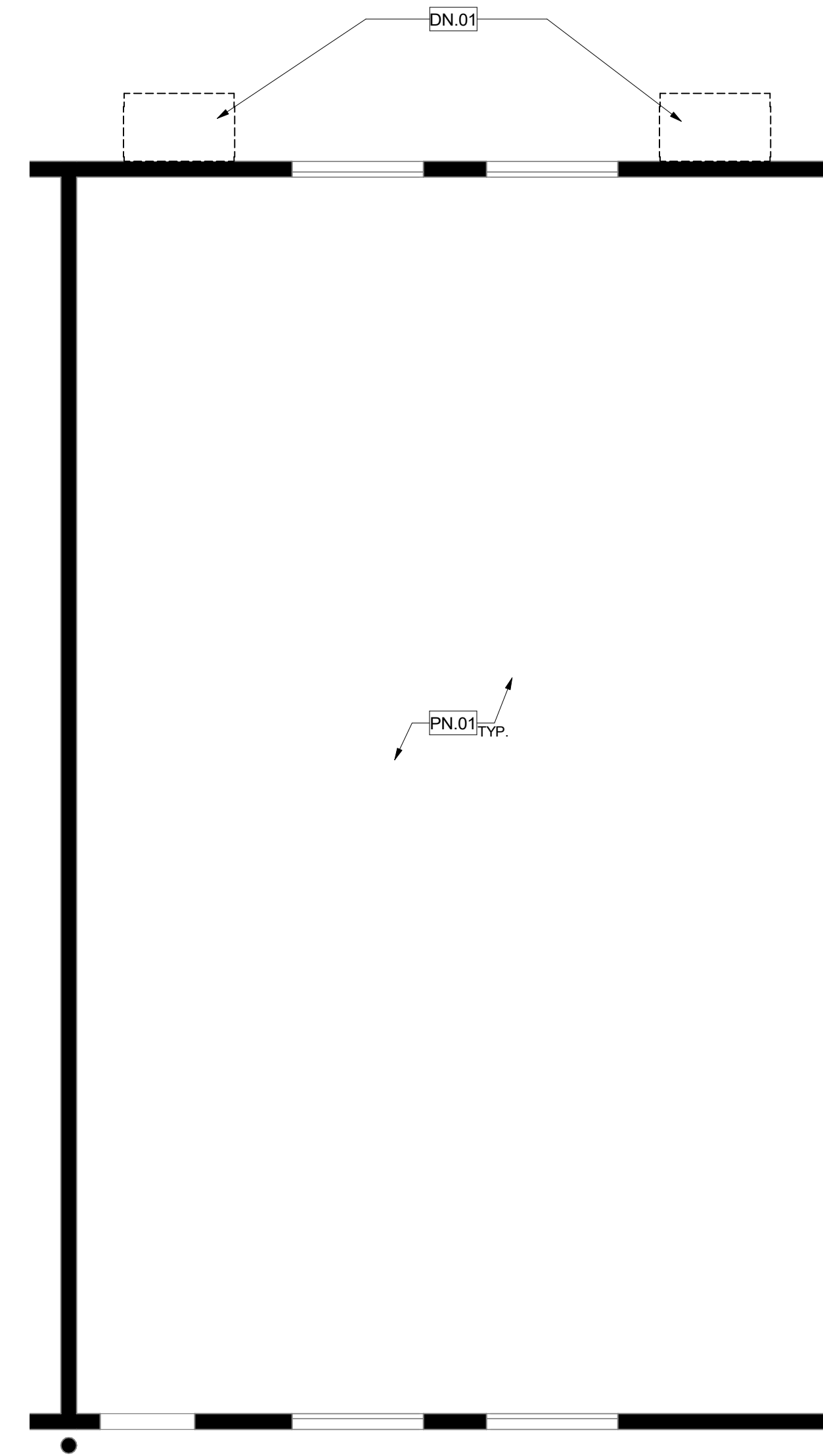




TYPICAL RELOCATABLES CLASSROOM - RENOVATION REFLECTED CEILING PLAN

2

1/4" = 1'-0"



TYPICAL RELOCATABLES CLASSROOM - DEMOLITION REFLECTED CEILING PLAN

1

1/4" = 1'-0"

GENERAL NOTES

- PATCH, REPAIR, OR REPLACE EXISTING MATERIALS DAMAGED BY WORK. PAINT ANY PATCHED AND REPAIRED SURFACES TO MATCH EXISTING COLOR AND FINISH.
- EXECUTION OF WORK SHALL BE DONE WITH APPLICABLE MATERIALS SO THAT SURFACES REPLACED WILL UPON COMPLETION MATCH SURROUNDING SURFACES OF SAME MATERIAL.
- FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2022 CFG, CHAPTER 33.
- REFER TO MECHANICAL DRAWINGS FOR MECHANICAL SCOPE OF WORK.
- REMOVE EXISTING CEILING DIFFUSER. PREPARE AREA OF REMOVAL TO RECEIVE NEW CEILING DIFFUSER. REFER TO MECHANICAL DRAWING FOR CEILING DIFFUSER.

PROTECTION KEYNOTES

| PN# | DESCRIPTION |
|-------|---|
| PN.01 | (E) INTERIOR DUCTWORK TO REMAIN. PROTECT IN PLACE |

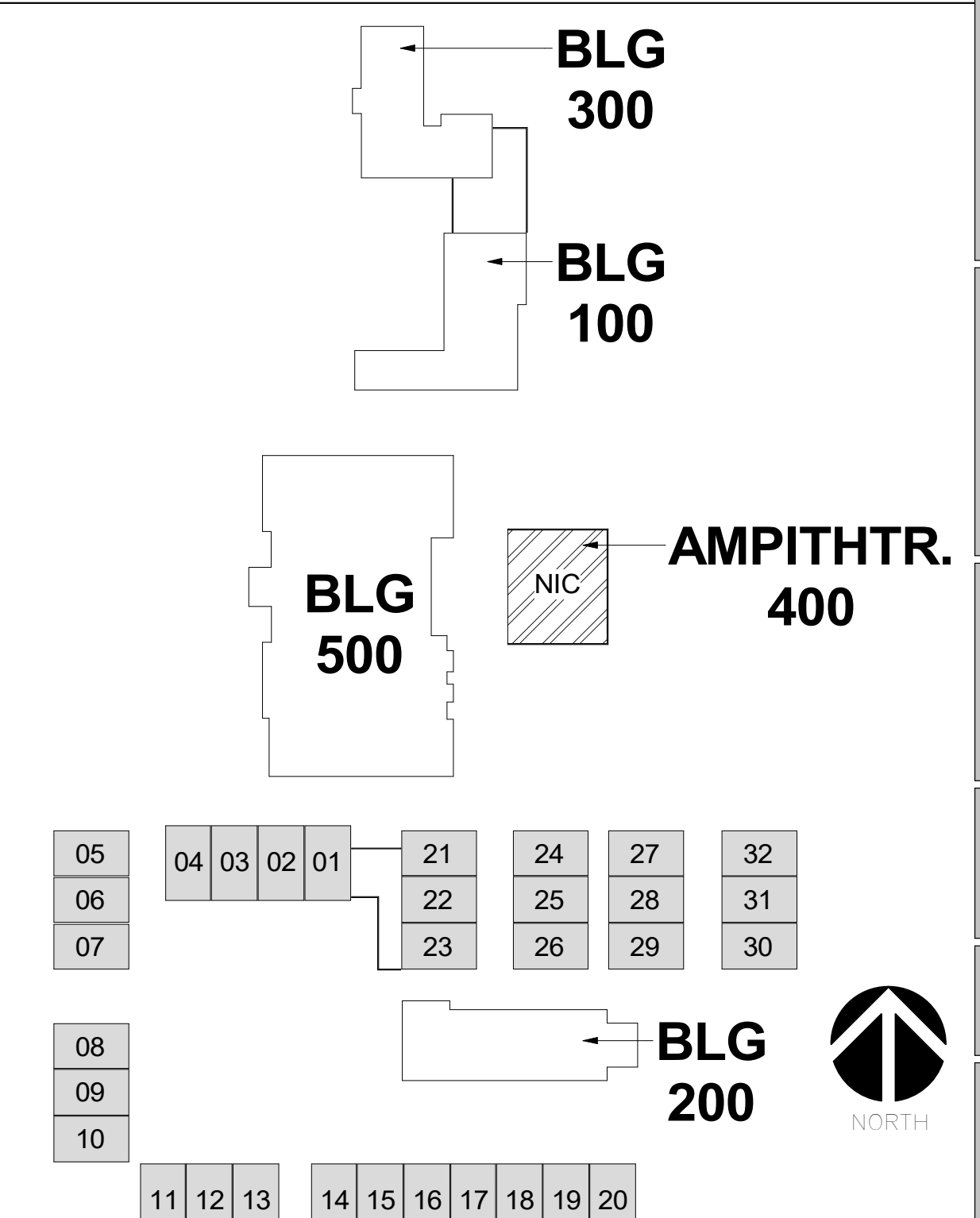
DEMOLITION KEYNOTES

| DN# | DESCRIPTION |
|-------|--|
| DN.01 | REMOVE EXISTING WALL MOUNTED GAS - ELECTRIC AIR CONDITIONING UNIT. |

RENOVATION KEYNOTES

| SN# | DESCRIPTION |
|-------|--|
| SN.01 | WALL MOUNTED GAS-ELECTRIC AIR CONDITIONING UNIT PER MECHANICAL DRAWINGS. |
| SN.02 | PROVIDE DRYWELL AT HARDSCAPE TO CAPTURE CONDENSATE RUN-OFF PER DETAIL 4/A5-1.6 |

KEY PLAN

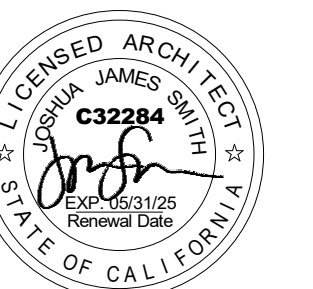


DISCOVERY
ELEMENTARY
SCHOOL
VICTOR
ELEMENTARY
SCHOOL DISTRICT
13247 AMETHYST RD,
VICTORVILLE, CA 92392

ISSUED FOR:
DSA REVIEW SUBMITTAL 03/29/2023

REVISIONS:

REGISTRATION/SIGNATURE:

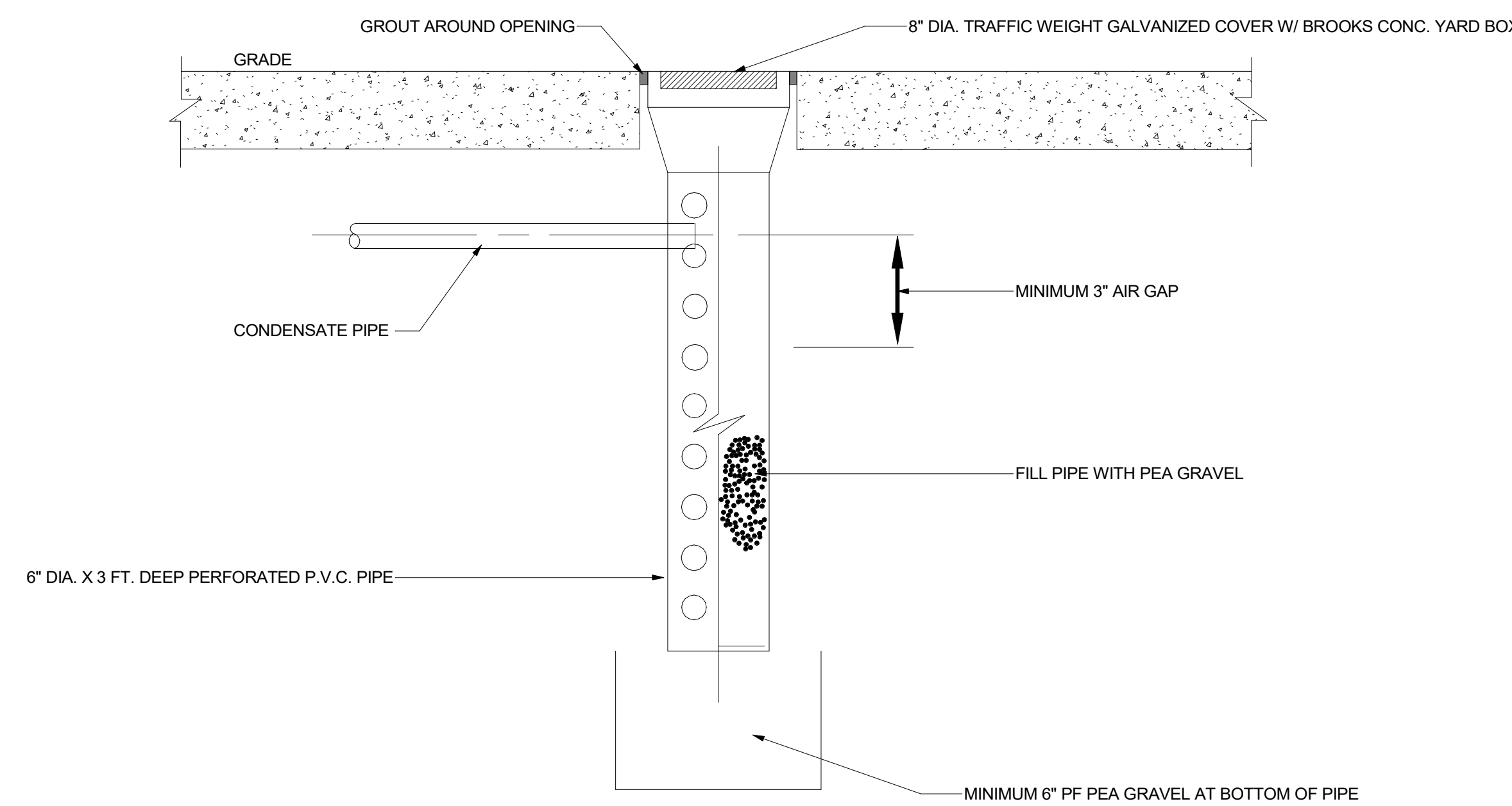


SHEET TITLE:
**TYPICAL
RELOCATABLE
CLASSROOM PLAN**

SHEET NUMBER:
A5-1.6

WD PROJ # 22825 | DRAWN BY KD | CHECKED MC/CW | DATE 03/29/23

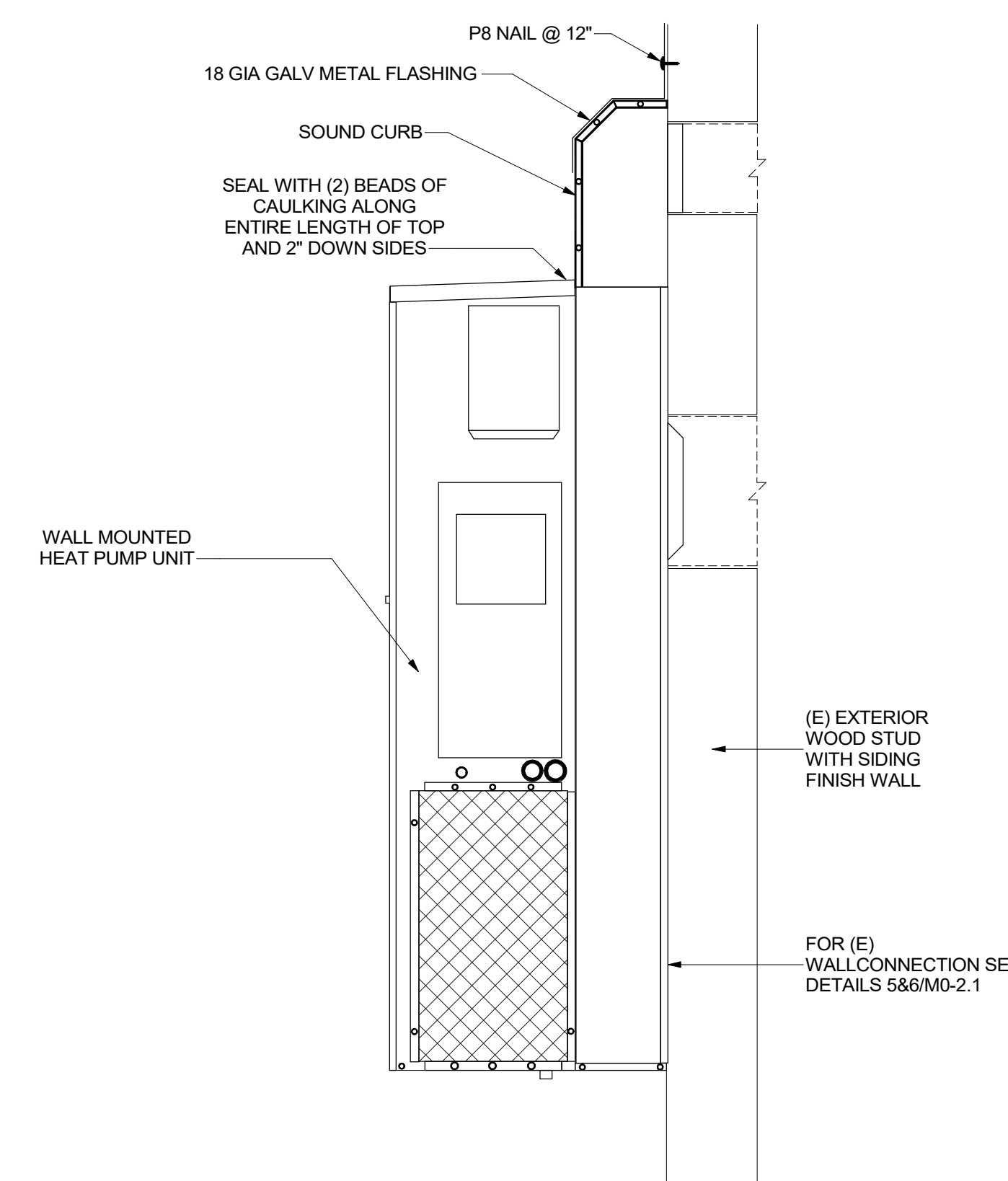
© WESTGROUP DESIGNS, INC.



DRYWELL DETAILS

4

6" = 1'-0"



BARD A/C UNIT INSTALLATION DETAIL

3

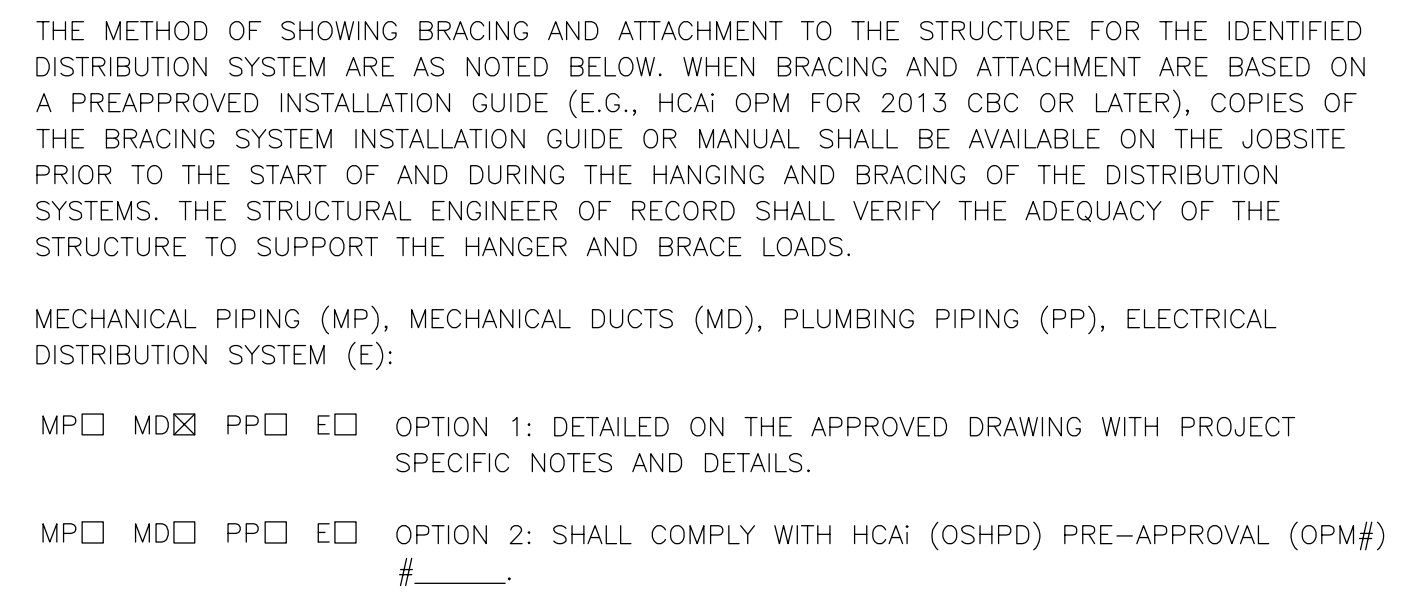
6" = 1'-0"

MECHANICAL ABBREVIATIONS AND SYMBOLS LIST

MECHANICAL ABBREVIATIONS table containing abbreviations (AAV, AC, ACD, etc.) and their corresponding full names (AUTOMATIC AIR VENT, AIR CONDITIONING, etc.).

APPLICABLE CODES table listing various codes such as 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), CALIFORNIA BUILDING CODE (CBC), etc.

APPLICABLE STANDARDS table listing standards like 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), etc.



MEP COMPONENT ANCHORAGE NOTE table with symbols (MP, MD, PP, ED) and details for mechanical component anchoring.

DUCTWORK SYMBOLS table listing symbols for RETURN AIR DUCT UP, SUPPLY AIR DUCT UP, EXHAUST AIR DUCT UP, etc.

GENERAL DEMOLITION NOTES table with numbered points detailing requirements for demolition work, including material removal and safety.

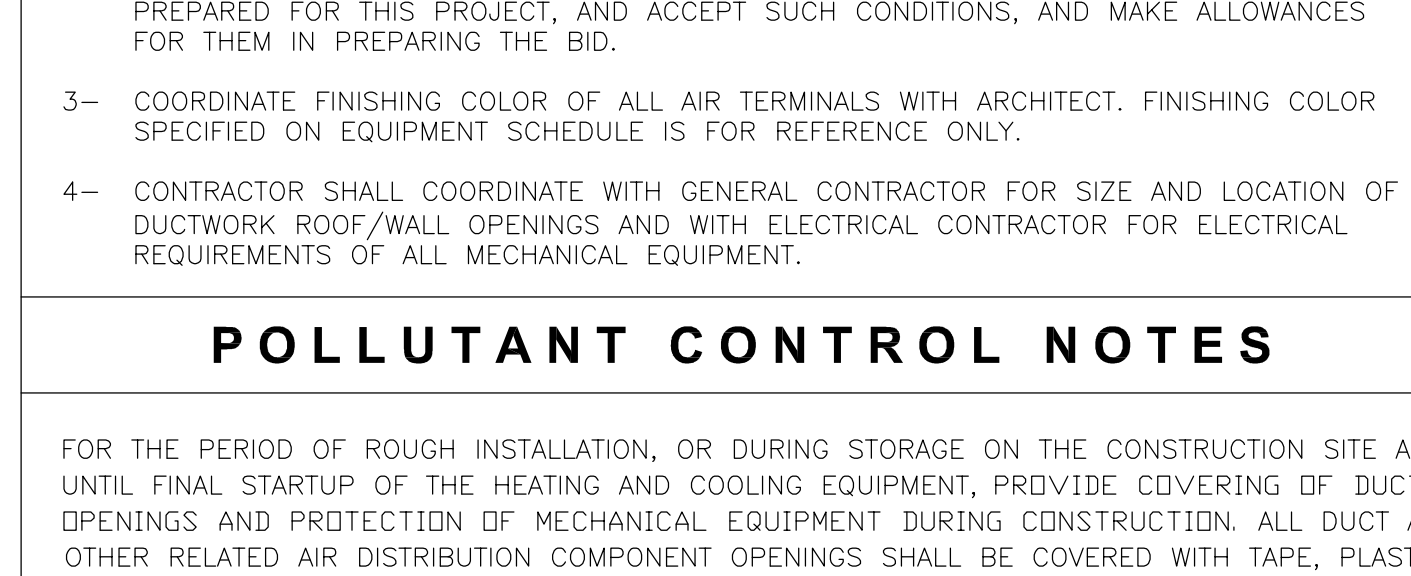
SELECTIVE DEMOLITION NOTES table with numbered points detailing requirements for selective demolition work.

GENERAL NOTES table with numbered points detailing general requirements and specifications for the project.

MECHANICAL ABBREVIATIONS table continuing the list from the first table, including abbreviations like MAV, AC, ACD, etc.

APPLICABLE CODES table continuing the list from the first table.

APPLICABLE STANDARDS table continuing the list from the first table.



MEP COMPONENT ANCHORAGE NOTE table continuing the list from the first table.

DUCTWORK SYMBOLS table continuing the list from the first table.

GENERAL DEMOLITION NOTES table continuing the list from the first table.

GENERAL NOTES table continuing the list from the first table.



19900 MacArthur Boulevard | Suite 1000 Irvine, CA 92612 949.250.0890 | FAX 949.250.0882 www.westgroupdesigns.com



1920 E Warner Ave., Suite 3-H Santa Ana, CA 92705 Telephone (714) 884-3834 Fax (714) 884-3834 PEI #600.030

DISCOVERY ELEMENTARY SCHOOL VICTOR ELEMENTARY SCHOOL DISTRICT 13247 AMETHYST RD. VICTORVILLE, CA 92392

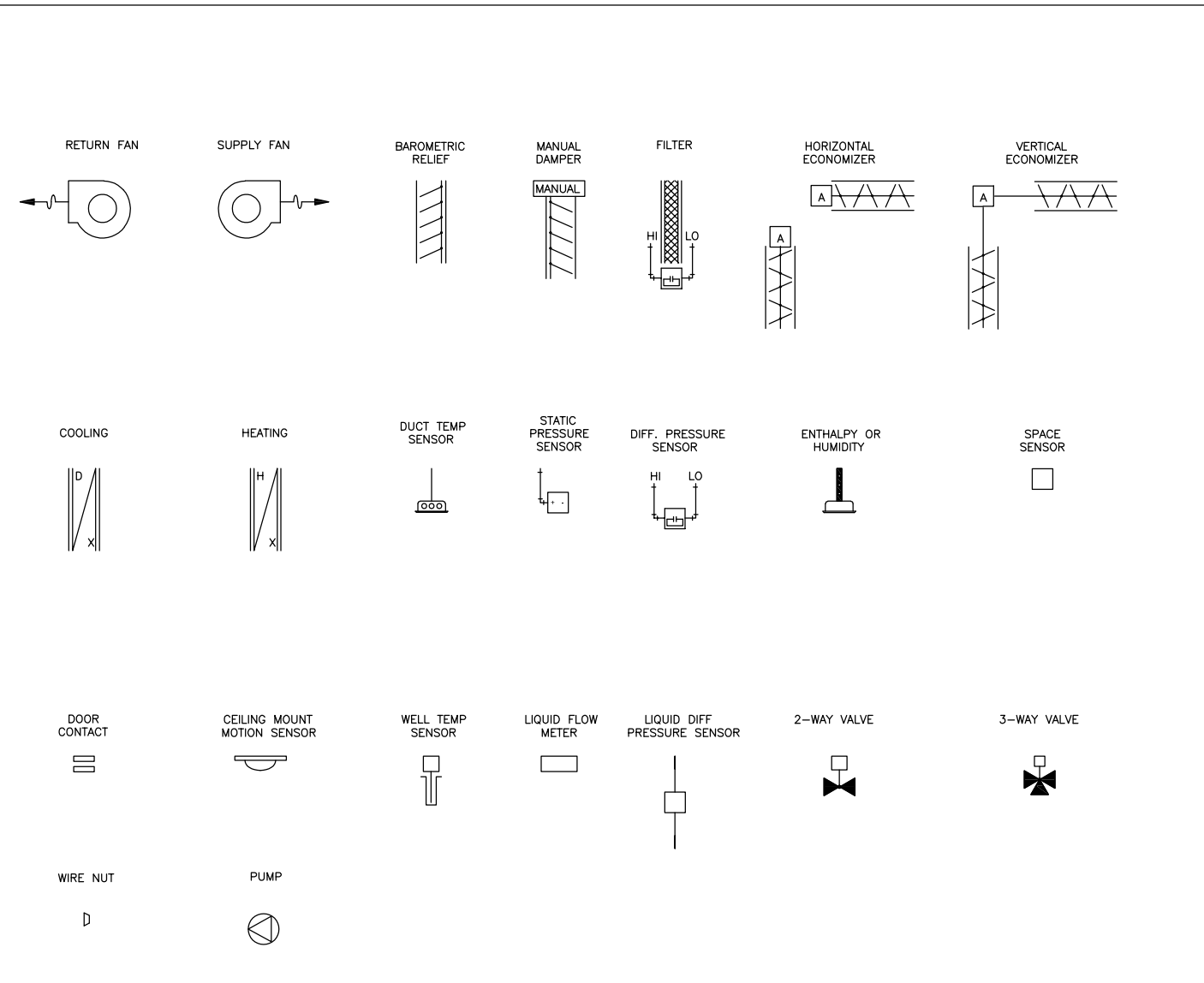
ISSUED FOR: table with columns for date, description, and initials.

REVISIONS: table with columns for revision number, description, and initials.

REGISTRATION/SIGNATURE: table with columns for name, title, and registration details.

SHEET TITLE: MECHANICAL ABBREVIATIONS AND SYMBOLS LIST SHEET NUMBER: MO-1.0

WD PROJ. # 22825 DRAWN BY: CHECKED DATE 07/18/23



| ABBREVIATION | DESCRIPTION |
|--------------|-----------------------------------|
| AC | AIR CONDITIONING |
| ACU | AIR CONDITIONING UNIT |
| AHU | AIR HANDLING UNIT |
| AI | ANALOG INPUT |
| AO | ANALOG OUTPUT |
| AUTO | AUTOMATIC |
| AUX | AUXILIARY |
| BAI | BACNET ANALOG INPUT |
| BAO | BACNET ANALOG OUTPUT |
| BBI | BACNET BINARY INPUT |
| BBO | BACNET BINARY OUTPUT |
| BI | BINARY INPUT |
| BO | BINARY OUTPUT |
| COM | COMMON |
| CHW | CHILLED WATER |
| CHWP | CHILLED WATER PUMP |
| CHWR | CHILLED WATER RETURN |
| CHWS | CHILLED WATER SUPPLY |
| COND | CONDENSER |
| CW | CONDENSER WATER |
| CWP | CONDENSER WATER PUMP |
| CWR | CONDENSER WATER RETURN |
| CWS | CONDENSER WATER SUPPLY |
| DA | DISCHARGE AIR |
| DI | DIGITAL INPUT |
| DO | DIGITAL OUTPUT |
| EA | EXHAUST AIR |
| EVAP | EVAPORATOR |
| F | FAHRENHEIT |
| FCU | FAN COIL UNIT |
| HDA | HAND/OFF/AUTO |
| HP | HEAT PUMP |
| HRIU | HEAT RECOVERY UNIT |
| HTEX | HEAT EXCHANGER |
| HW | HOT WATER |
| HWHP | HOT WATER PUMP |
| HWR | HOT WATER RETURN |
| HWS | HOT WATER SUPPLY |
| MAX | MAXIMUM |
| MIN | MINIMUM |
| MISC | MISCELLANEOUS |
| NC | NORMALLY CLOSED |
| NO | NORMALLY OPEN |
| OA | OUTDOOR AIR |
| RA | RETURN AIR |
| RF | RETURN FAN |
| RH | RELATIVE HUMIDITY |
| RTU | ROOFTOP UNIT |
| SA | SUPPLY AIR |
| SP | STATIC PRESSURE |
| TEMP | TEMPERATURE |
| UH | UNIT HEATER |
| VAV | VARIABLE AIR VOLUME |
| VAVV | VARIABLE AIR VOLUME |
| VAVTU | VARIABLE AIR VOLUME TERMINAL UNIT |
| VVT | VARIABLE VOLUME & TEMPERATURE |
| W/ | WITH |
| W/O | WITHOUT |
| WSHP | WATER SOURCE HEAT PUMP |

COMMUNICATION BUS SPECIFICATION
 1. 4 OR 6 AWG 2-CONDUCTOR-SHIELDED (PLENUM RATED AS REQUIRED) MUST BE DASH CHAINED FROM CONTROLLER TO CONTROLLER. IT SHOULD BE COLOR CODED (RED, BLACK, WHITE).
 2. THE COMMUNICATION CABLE OPERATES AT 10 TO 5 VDC. VERIFY WITH THE LOCAL CODE AUTHORITY AND SPECS REGARDING CONDUIT REQUIREMENTS.
 3. NO "T" TAP OR "STAR" TIE CONNECTIONS ARE PERMITTED.
 4. TERMINATE THE SHIELDS ON THE DESIGNATED TERMINAL AT EACH DEVICE.
 5. 30 CONTROLLERS MAXIMUM PER COMMUNICATION BUS SEGMENT, 60 CONTROLLERS MAXIMUM PER NETWORK ROUTER.
 6. A REPEATER IS REQUIRED EVERY 2000 FT. OR 30 DEVICES, MAXIMUM OF 4 REPEATERS PER BUS FOR A TOTAL OF 10,000 FT.
POWER TO VVT AND VAV DAMPER ACTUATORS/CONTROLLERS
 1. EACH ZONE REQUIRES A 24 VAC, 20 VA TRANSFORMER, MORE IN SOME CASES DEPENDING ON THE VALVE OR ELECTRIC HEATER REQUIREMENTS.
 2. EACH ZONE REQUIRES A 24 VAC, 20 VA TRANSFORMER, HOWEVER ZONES MAY BE GROUPED UP TO 100 VA AND STILL REMAIN IN UL CLASS 2 CONFORMANCE.
 3. BE CAREFUL OF VOLTAGE DROP, THE DAMPER WILL OPERATE IN A POWER RANGE OF 22 TO 26 VAC, THE DAMPER WILL NOT OPERATE AT VOLTAGES LESS THAN 22 VAC.
GENERAL NOTES
 1. THE 2 CONDUCTOR COMMUNICATION CABLE AND SENSOR CABLES MUST ALWAYS BE IN A SEPARATE JACKET FROM ONE ANOTHER. NEVER RUN THE 25 CABLES IN THE SAME CONDUIT AS, OR BUNDLE THEM WITH, AC POWER WIRING OF ANY VOLTAGE. DO NOT STRAP THESE CABLES ALONG ANY CONDUITS THAT CONTAIN AC POWER WIRING OF ANY VOLTAGE. DO NOT RUN THESE CABLES IN RINGS OR CONDUIT WITH FIRE, LIFE, SAFETY, SECURITY, NETWORK, TELEPHONE, POWER, OR OTHER WIRING, WHEN RUNNING COMMUNICATION AND SENSOR WIRING PARALLEL TO OTHER CABLES OR CONDUIT, MAINTAIN A 12 IN. SEPARATION.
 2. ETHERNET AND/OR INTERNET CONNECTION TO I-WU ARE SUPPLIED AND MAINTAINED BY BUILDING OWNER/OPERATOR.
INSTALLATION COORDINATION NOTES
 1. INSTALLER SHALL COORDINATE ALL POWER AND DATA CONNECTION REQUIREMENTS WITH THE GC ON-SITE.
 2. INSTALL ALL COMPONENTS IN ACCORDANCE WITH THE SPECIFICATION, APPLICABLE CODES AND MANUFACTURER'S LITERATURE.

PROJECT NAME: VESD DISCOVERY ELEMENTARY SCHOOL
 1.0 SEQUENCES OF OPERATION
 1.1 SEQUENCE OF OPERATION FOR VESD DISCOVERY ELEMENTARY SCHOOL
 1.1.1 GAS/ELECTRIC GRADE MOUNTED UNIT DETAIL
 INDOOR FAN
 DURING OCCUPIED PERIODS, THE FAN SHALL OPERATE CONTINUOUSLY. DURING UNOCCUPIED PERIODS, THE FAN SHALL OPERATE WHEN THE SPACE TEMPERATURE EXCEEDS THE UNOCCUPIED HEATING OR COOLING SETPOINTS. THE FAN OPERATES AT 1 OF 2 SPEEDS DEPENDING ON THE MODE OF OPERATION AND LOAD CONDITIONS. DURING VENT ONLY MODE AND LOW LOAD CONDITIONS, THE FAN OPERATES AT LOW SPEED. IF LOAD CONDITIONS INCREASE OR IF THERE IS A CALL FOR HEATING, THE FAN OPERATES AT HIGH SPEED.
 HEATING MODE
 WHEN SPACE TEMPERATURE IS BELOW THE OCCUPIED HEATING SETPOINT, UNIT SHALL OPERATE IN THE HEATING MODE, UNIT SHALL STAGE AVAILABLE HEAT STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.
 COOLING MODE
 WHEN SPACE TEMPERATURE IS ABOVE OCCUPIED COOLING SETPOINT, UNIT SHALL OPERATE IN THE COOLING MODE, UNIT SHALL ENABLE AVAILABLE COOLING STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.
 ECONOMIZER
 ECONOMIZER SHALL CLOSE WHEN FAN IS OFF OR DURING A LOSS OF POWER, DURING OCCUPIED HOURS WHEN FAN IS ENERGIZED, THE ECONOMIZER SHALL OPEN TO ADJUSTABLE MINIMUM POSITION, WHEN OUTSIDE AIR TEMPERATURE IS BELOW 79° AND OCCUPIED SPACE REQUIRES COOLING, ECONOMIZER SHALL OPEN. IF ECONOMIZER AIR IS NOT SUFFICIENT TO MEET THE DEMAND IN THE OCCUPIED SPACE, UNIT SHALL ENABLE AVAILABLE MECHANICAL COOLING STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.
 CO2 CONTROL
 UNIT SHALL MONITOR SPACE CO2 WHEN THE SUPPLY FAN IS ENERGIZED. WHEN CO2 IS ABOVE SETPOINT OF 1000 PPM, ECONOMIZER SHALL MODULATE OPEN TOWARD AN ADJUSTABLE MAXIMUM CO2 POSITION, AS THE CO2 LEVEL IN THE SPACE INCREASES ABOVE THE SETPOINT, THE MINIMUM POSITIONS OF THE DAMPERS WILL BE INCREASED PROPORTIONALLY, UNTIL THE MAXIMUM VENTILATION SETTING IS REACHED, AS THE SPACE CO2 LEVEL DECREASES BECAUSE OF THE INCREASE IN FRESH AIR, THE OUTDOOR-DAMPER WILL FOLLOW THE HIGHER DEMAND CONDITION FROM THE DCV MODE OR FROM THE FREE-COOLING MODE.

1.1.2 WALL MOUNTED GAS/ELECTRIC UNIT DETAIL
 INDOOR FAN
 DURING OCCUPIED PERIODS, FAN SHALL OPERATE CONTINUOUSLY. DURING UNOCCUPIED PERIODS, FAN SHALL OPERATE WHEN THE SPACE TEMPERATURE EXCEEDS THE UNOCCUPIED HEATING OR COOLING SETPOINTS. THE FAN OPERATES AT ONE SPEED ONLY AND PROVIDES ON/OFF OPERATION.
 HEATING MODE
 WHEN SPACE TEMPERATURE IS BELOW THE OCCUPIED HEATING SETPOINT, UNIT SHALL OPERATE IN THE HEATING MODE, UNIT SHALL STAGE AVAILABLE HEAT STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.
 COOLING MODE
 WHEN SPACE TEMPERATURE IS ABOVE OCCUPIED COOLING SETPOINT, UNIT SHALL OPERATE IN THE COOLING MODE, UNIT SHALL ENABLE AVAILABLE COOLING STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.
 CO2 CONTROL
 UNIT SHALL MONITOR SPACE CO2 WHEN THE SUPPLY FAN IS ENERGIZED. WHEN CO2 IS ABOVE SETPOINT OF 1000 PPM, AN ALARM WILL DISPLAY ON THE BACS.

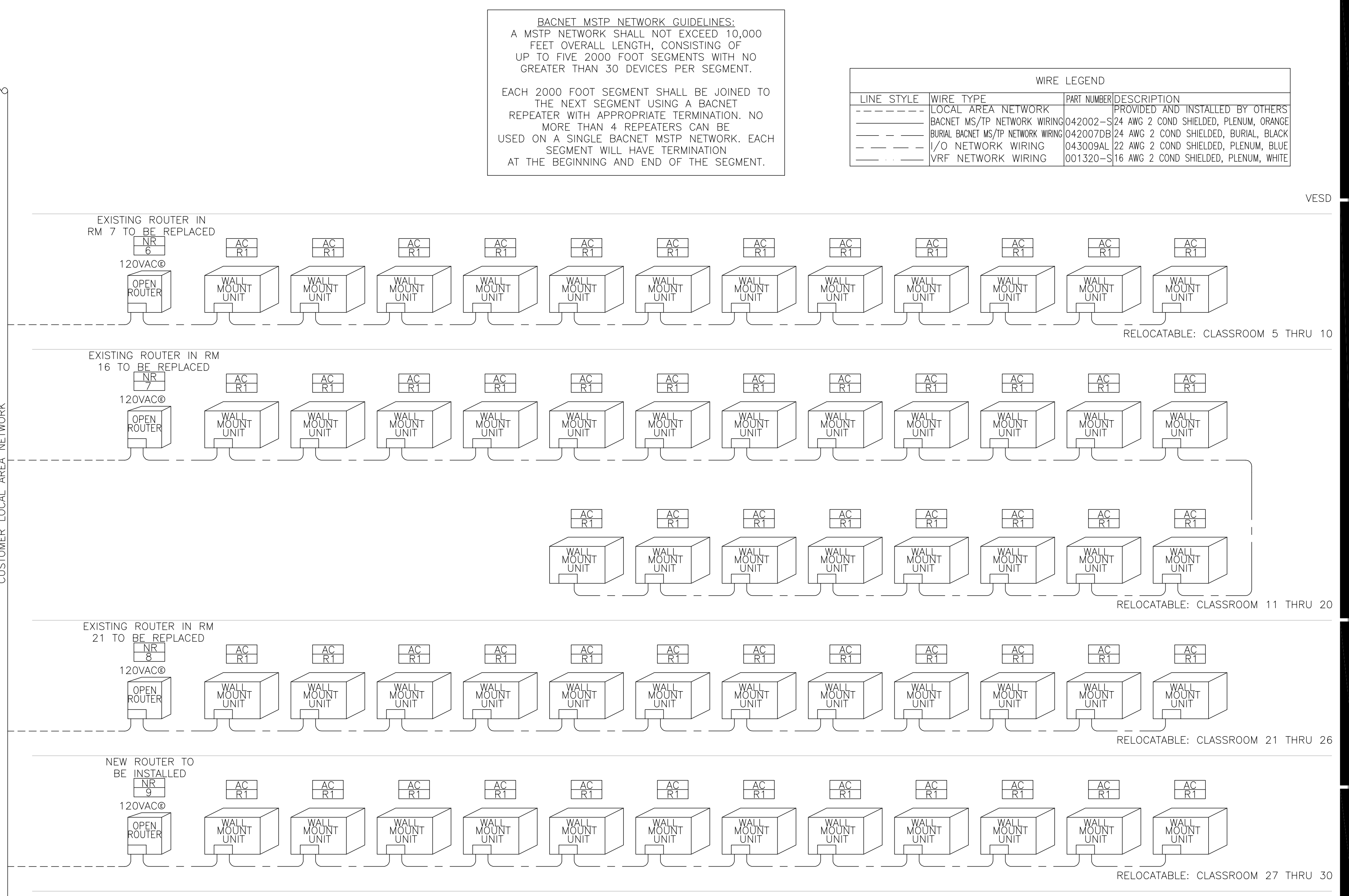
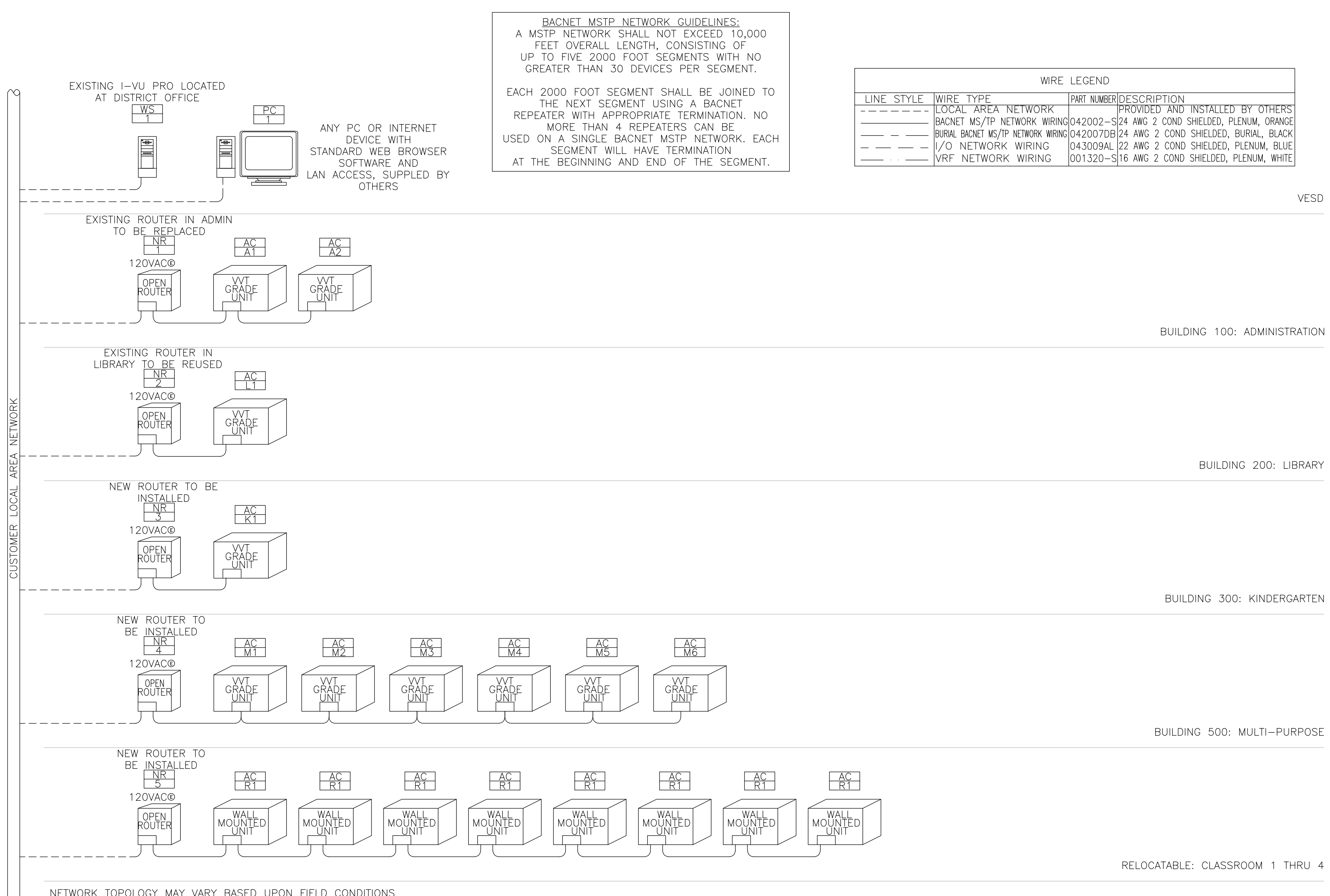
GENERAL INFORMATION/SYMBOLS LEGEND/COMMON ABBREVIATIONS

1
NOT TO SCALE

SEQUENCES OF OPERATION

2
NOT TO SCALE

3
NOT TO SCALE



DISCOVERY ELEMENTARY SCHOOL
 VICTOR ELEMENTARY SCHOOL DISTRICT
 13247 AMETHYST RD.
 VICTORVILLE, CA 92392

ISSUED FOR:
 REVISIONS:
 REGISTRATION/SIGNATURE:
 SHEET TITLE:
CONTROL DETAILS
 SHEET NUMBER:
M0-3.1

WD PROJ. # 22825 | DRAWN BY: | CHECKED: | DATE 07/18/23

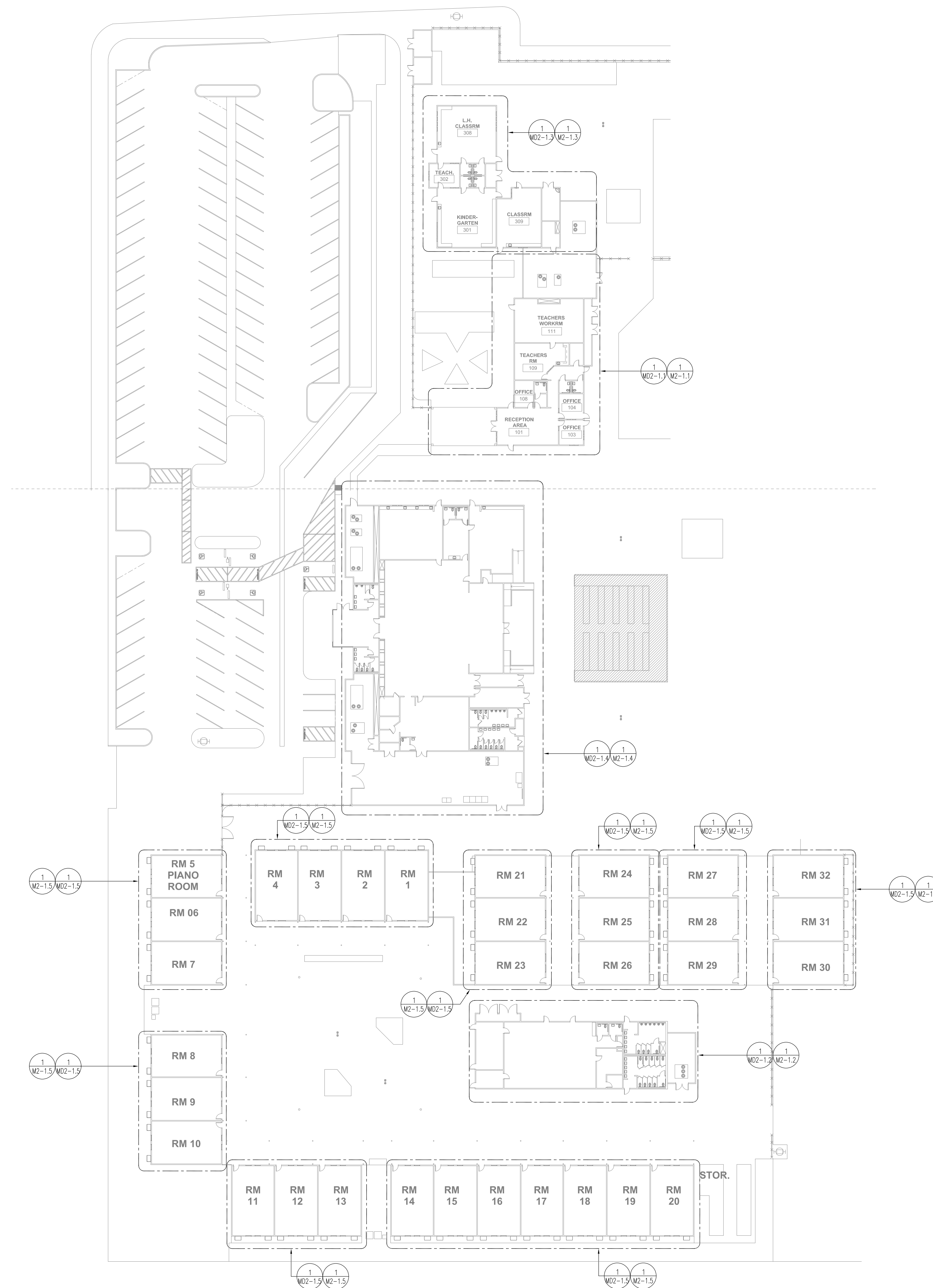
© WESTGROUP DESIGNS, INC.

BACS RISER DIAGRAM (1 OF 2)

8
NOT TO SCALE

BACS RISER DIAGRAM (2 OF 2)

9
NOT TO SCALE



19900 MacArthur Boulevard | Suite 1000
 Irvine | California | 92612
 949.250.0880 | FAX 949.250.0882
 www.westgroupdesigns.com



1920 E Warner Ave., Suite 3-H
 Santa Ana, CA 92705
 Telephone (714) 884-3834
 Fax (714) 884-3834
 PEI #600.030

DISCOVERY
 ELEMENTARY
 SCHOOL
 VICTOR
 ELEMENTARY
 SCHOOL DISTRICT
 13247 AMETHYST RD.
 VICTORVILLE, CA 92392

ISSUED FOR:

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

REVISIONS:

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

REGISTRATION/SIGNATURE:



SHEET TITLE:

**MECHANICAL
 SITE PLAN**

SHEET NUMBER:

M1-1.1

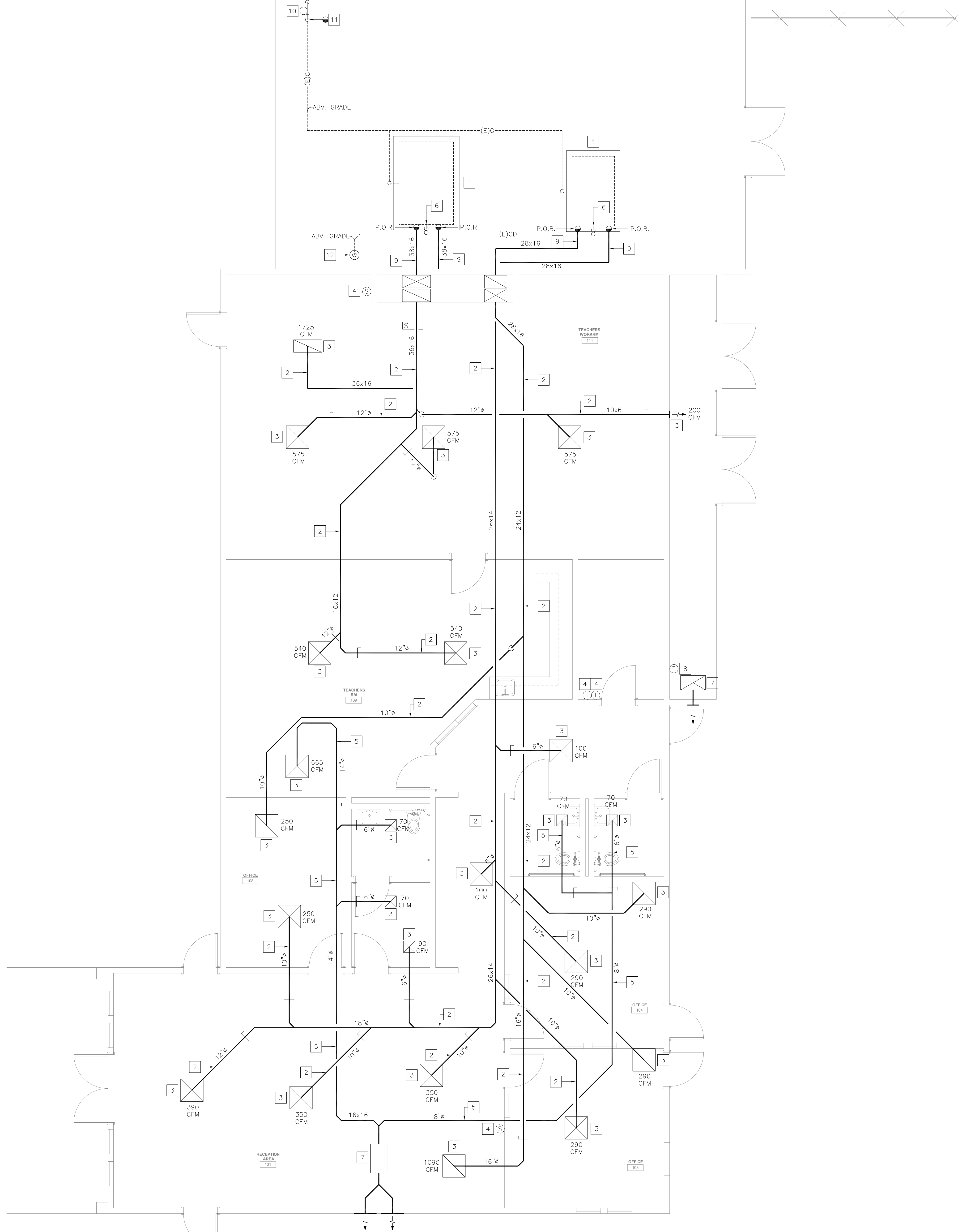
| | | | |
|------------|-----------|---------|----------|
| WD PROJ. # | DRAWN BY: | CHECKED | DATE |
| 22825 | | | 07/18/23 |



MECHANICAL SITE PLAN

1
 1" = 30'-0"

P:\600-Westgroup Designs\600-030_VESD_17_Sites_HVAC_Replacement\Drawings\Discovery ES\Drawings\Mechanical\M1-1.1.dwg Aug 30, 2023 - 10:22am iggy



MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 100 (ADMINISTRATION)

DEMOLITION NOTES

- 1.- REMOVE EXISTING GRADE MOUNTED AIR CONDITIONING UNIT. DISCONNECT ALL UTILITIES AND SIDE DISCHARGE DUCTWORK. MODIFY SIDE DISCHARGE DUCTWORK FOR RECONNECTION TO NEW A/C UNIT. EXISTING CONCRETE PAD TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION. PERFORM DUCTWORK CLEANING PROCESS FIRST, THEN INSTALL NEW AIR CONDITIONING UNIT. PREPARE AREA OF REMOVAL TO RECEIVE NEW GRADE MOUNTED AIR CONDITIONING UNIT. SEE RENOVATION DRAWINGS FOR ADDITIONAL INFORMATION.
- 2.- EXISTING DUCTWORK AND ASSOCIATED ACCESSORIES TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 3.- FIELD MEASURE THE EXISTING AIR QUANTITY PER REQUIREMENTS OF AIR BALANCE NOTE ON THIS SHEET. EXISTING CEILING/SIDEWALL GRILLE/DIFFUSER TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION. CLEAN ALL GRILLES/DIFFUSERS AND REMOVE ALL DIRT, STAINS AND DEBRIS.
- 4.- REMOVE EXISTING THERMOSTAT/SENSOR AND ASSOCIATED ACCESSORIES. FIELD VERIFY EXACT LOCATION PRIOR TO START OF WORK. PREPARE THE AREA OF REMOVAL TO RECEIVE NEW THERMOSTAT/SENSOR. SEE RENOVATION DRAWINGS FOR ADDITIONAL INFORMATION.
- 5.- EXISTING DUCTWORK TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 6.- P.O.R.- REMOVE EXISTING GRADE MOUNTED CONDENSATE DRAIN PIPING IN ITS ENTIRETY.
- 7.- EXISTING EXHAUST FAN TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 8.- EXISTING THERMOSTAT TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 9.- EXISTING EXTERIOR GRADE MOUNTED DUCTWORK TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 10.- EXISTING GAS PRESSURE REGULATOR AND ASSOCIATED PIPING LOCATED ABV. GRADE TO REMAIN UP TO P.O.R. PROTECT IN PLACE DURING CONSTRUCTION.
- 11.- P.O.R.- REMOVE EXISTING GAS PIPING DOWNSTREAM OF EXISTING GAS PRESSURE REGULATOR ABV. GRADE TO A/C UNIT AND MODIFY FOR RECONNECTION.
- 12.- EXISTING FLOOR RECEPTOR TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.

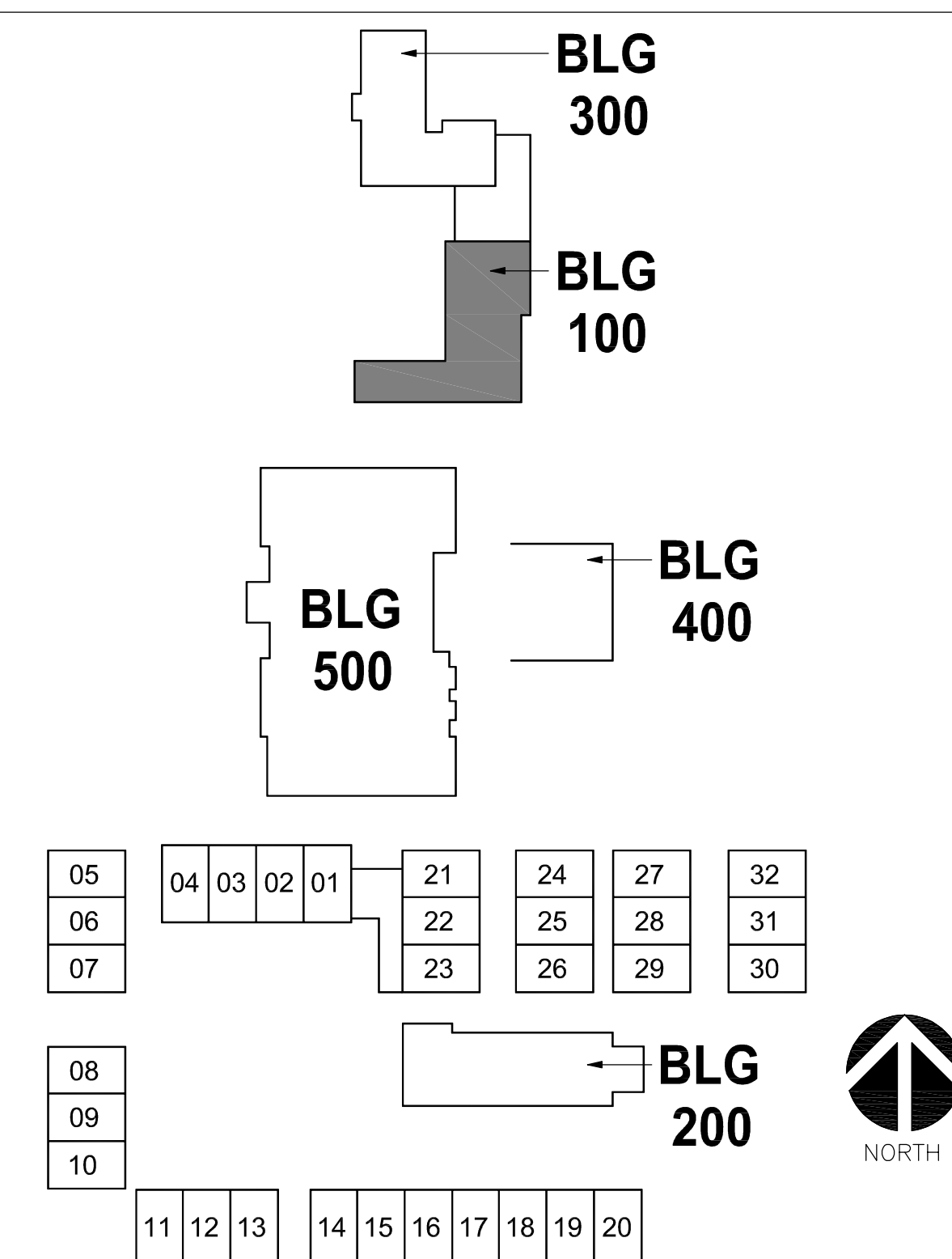
AIR BALANCE NOTE

1. EXISTING AIRFLOW RATES SHOWN ARE FOR REFERENCE ONLY. PERFORM PRE-DEMOLITION AIR BALANCE TO FIELD MEASURE THE EXISTING AIR QUANTITY FOR EACH SUPPLY AND RETURN AIR OUTLET AND INLET PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK. PREPARE A TABULATED REPORT AND ANNOTATE THE DEMOLITION FLOOR PLANS WITH THE FIELD MEASURED AIR QUANTITY VALUES. SUBMIT DRAWINGS AND REPORT TO ENGINEER/ARCHITECT FOR REVIEW PRIOR TO COMMENCEMENT OF DEMOLITION WORK.

GENERAL DEMOLITION NOTES

- G1. THIS DRAWING HAS BEEN GENERATED BASED ON EXISTING RECORD DRAWINGS AND IS SHOWN FOR REFERENCE ONLY. IT IS NOT NECESSARILY INDICATING THE EXACT LAYOUT, SIZE, LOCATION, AND DIMENSIONS OF THE EXISTING SYSTEM.
- G2. CONTRACTOR TO FIELD-VERIFY ALL EXISTING MECHANICAL COMPONENTS PRIOR TO BID AND NOTIFY AOR/MEOR OF ANY DISCREPANCIES. DISCREPANCIES NOT NOTED PRIOR TO BID SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED WORK NECESSARY TO ACCOMMODATE THE INSTALLATION OF ALL NEW MECHANICAL WORK SHOWN.

KEY PLAN



19900 MacArthur Boulevard | Suite 1000
Irvine | California | 92612
949.250.0890 | FAX 949.250.0882
www.westgroupdesigns.com



1920 E Warner Ave., Suite 3-H
Santa Ana, CA 92705
Telephone (714) 884-3834
Fax (714) 884-3834
PEI #600.030

DISCOVERY
ELEMENTARY
SCHOOL
VICTOR
ELEMENTARY
SCHOOL DISTRICT
13247 AMETHYST RD.
VICTORVILLE, CA 92392

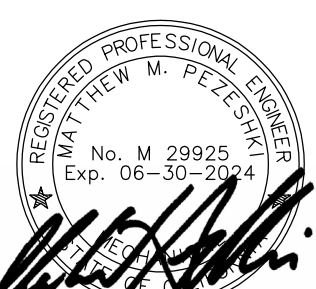
ISSUED FOR:

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

REVISIONS:

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

REGISTRATION/SIGNATURE:

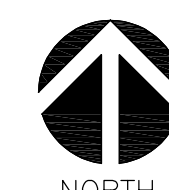


SHEET TITLE:
**MECHANICAL
DEMOLITION FLOOR
PLAN - BUILDING 100**

SHEET NUMBER:
MD2-1.1

WD PROJ. # 22825 | DRAWN BY: | CHECKED: | DATE 07/18/23

© WESTGROUP DESIGNS, INC.



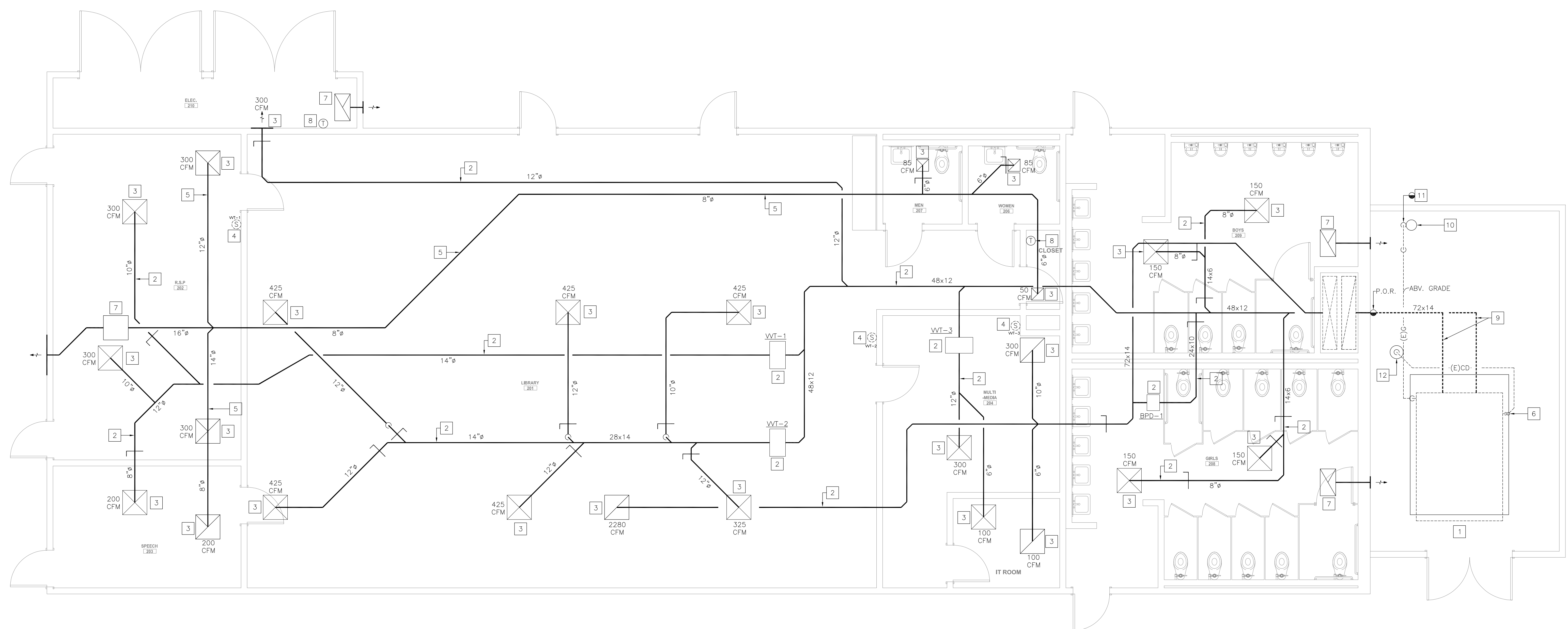


19900 MacArthur Boulevard | Suite 1000
Irvine | California | 92612
949.250.0880 | FAX 949.250.0882
www.westgroupdesigns.com



1920 E Warner Ave., Suite 3-H
Santa Ana, CA 92705
Telephone (714) 884-3834
Fax (714) 884-3834
PEI #600.030

DISCOVERY
ELEMENTARY
SCHOOL
VICTOR
ELEMENTARY
SCHOOL DISTRICT
13247 AMETHYST RD.
VICTORVILLE, CA 92392

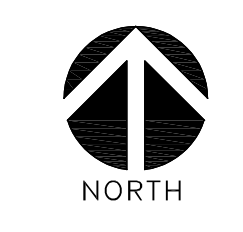


GENERAL DEMOLITION NOTES

- G1. THIS DRAWING HAS BEEN GENERATED BASED ON EXISTING RECORD DRAWINGS AND IS SHOWN FOR REFERENCE ONLY; IT IS NOT NECESSARILY INDICATING THE EXACT LAYOUT, SIZE, LOCATION, AND DIMENSIONS OF THE EXISTING SYSTEM.
- G2. CONTRACTOR TO FIELD-VERIFY ALL EXISTING MECHANICAL COMPONENTS PRIOR TO BID AND NOTIFY AOR/MCOR OF ANY DISCREPANCIES. DISCREPANCIES NOT NOTED PRIOR TO BID SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED WORK NECESSARY TO ACCOMMODATE THE INSTALLATION OF ALL NEW MECHANICAL WORK SHOWN.

AIR BALANCE NOTE

- 1. EXISTING AIRFLOW RATES SHOWN ARE FOR REFERENCE ONLY. PERFORM PRE-DEMOLITION AIR BALANCE TO FIELD MEASURE THE EXISTING AIR QUANTITY FOR EACH SUPPLY AND RETURN AIR OUTLET AND INLET PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK. PREPARE A TABULATED REPORT AND ANNOTATE THE DEMOLITION FLOOR PLANS WITH THE FIELD MEASURED AIR QUANTITY VALUES. SUBMIT DRAWINGS AND REPORT TO ENGINEER/ARCHITECT FOR REVIEW PRIOR TO COMMENCEMENT OF DEMOLITION WORK.

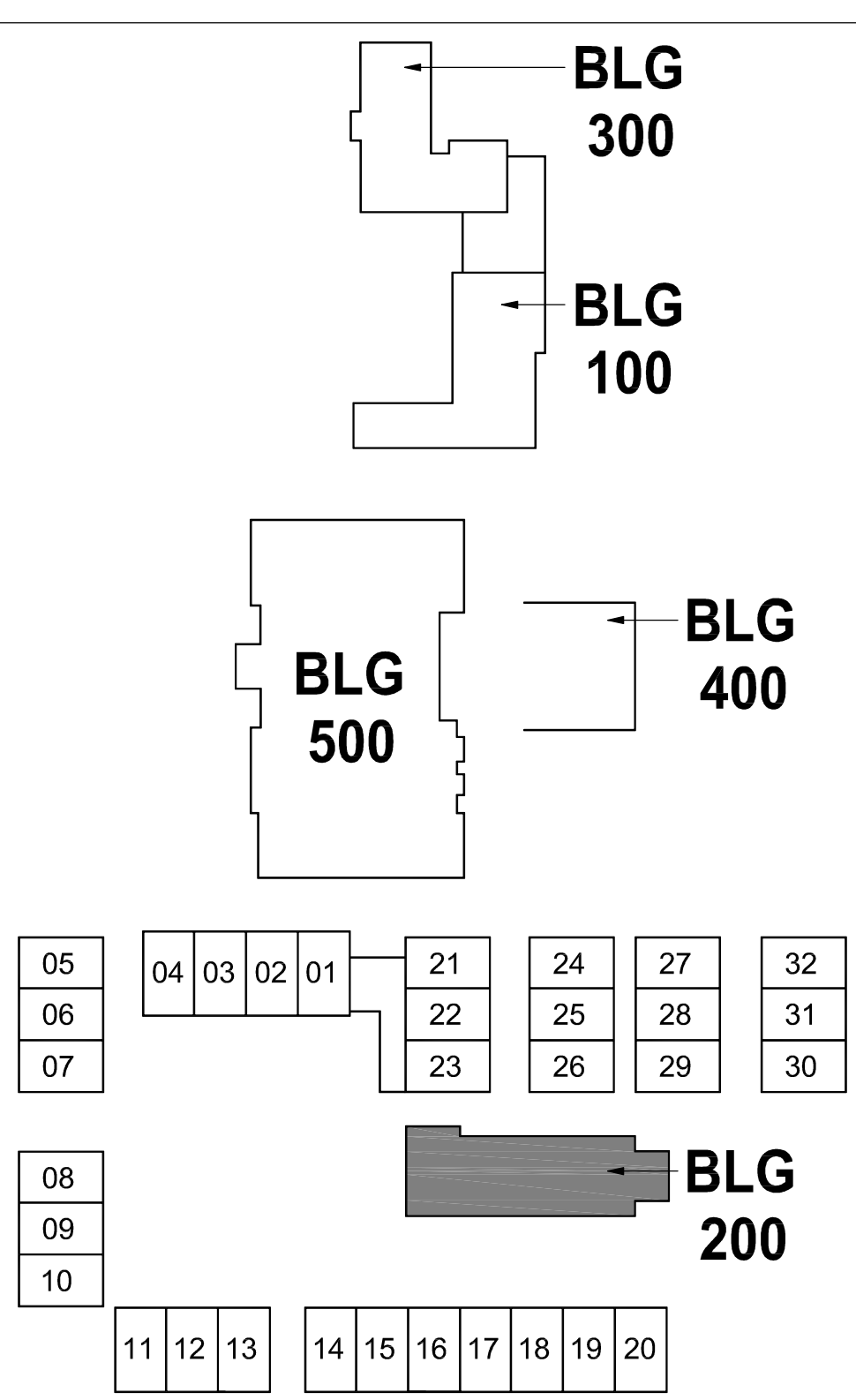


MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 200 (LIBRARY) 1

1
1/8" = 1'-0"

DEMOLITION NOTES KEY PLAN

- 1.- REMOVE EXISTING GRADE MOUNTED AIR CONDITIONING UNIT. DISCONNECT ALL UTILITIES AND SIDE DISCHARGE DUCTWORK. REMOVE EXISTING PLENUM CURB. EXISTING CONCRETE PAD TO REMAIN, PROTECT IN PLACE DURING CONSTRUCTION. PERFORM DUCTWORK CLEANING PROCESS FIRST, THEN INSTALL NEW AIR CONDITIONING UNIT. PREPARE AREA OF REMOVAL TO RECEIVE NEW GRADE MOUNTED AIR CONDITIONING UNIT. SEE RENOVATION DRAWINGS FOR ADDITIONAL INFORMATION.
- 2.- EXISTING DUCTWORK AND ASSOCIATED ACCESSORIES TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 3.- FIELD MEASURE THE EXISTING AIR QUANTITY PER REQUIREMENTS OF AIR BALANCE NOTE ON THIS SHEET. EXISTING CEILING/SIDEWALL GRILLE/DIFFUSER TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION. CLEAN ALL GRILLES/DIFFUSERS AND REMOVE ALL DIRT, STAINS AND DEBRIS.
- 4.- REMOVE EXISTING THERMOSTAT/SENSOR AND ASSOCIATED ACCESSORIES. FIELD VERIFY EXACT LOCATION PRIOR TO START OF WORK. PREPARE THE AREA OF REMOVAL TO RECEIVE NEW THERMOSTAT/SENSOR. SEE RENOVATION DRAWINGS FOR ADDITIONAL INFORMATION.
- 5.- EXISTING DUCTWORK TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 6.- P.O.R.- REMOVE EXISTING GRADE MOUNTED CONDENSATE DRAIN PIPING IN ITS ENTIRETY.
- 7.- EXISTING EXHAUST FAN TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 8.- EXISTING THERMOSTAT TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 9.- REMOVE EXISTING EXTERIOR GRADE MOUNTED DUCTWORK AND POWER EXHAUST AS INDICATED. MODIFY EXISTING DUCTWORK AT P.O.R. FOR RECONNECTION TO NEW DUCTWORK. SEE RENOVATION FLOOR PLAN FOR ADDITIONAL INFORMATION.
- 10.- EXISTING GAS PRESSURE REGULATOR LOCATED ABV. GRADE TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 11.- P.O.R.- REMOVE EXISTING GAS PIPING DOWNSTREAM OF EXISTING GAS PRESSURE REGULATOR ABV. GRADE TO A/C UNIT AND MODIFY FOR RECONNECTION. SEE RENOVATION DRAWINGS FOR ADDITIONAL INFORMATION.
- 12.- EXISTING FLOOR RECEPTOR TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.



ISSUED FOR:

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

REVISIONS:

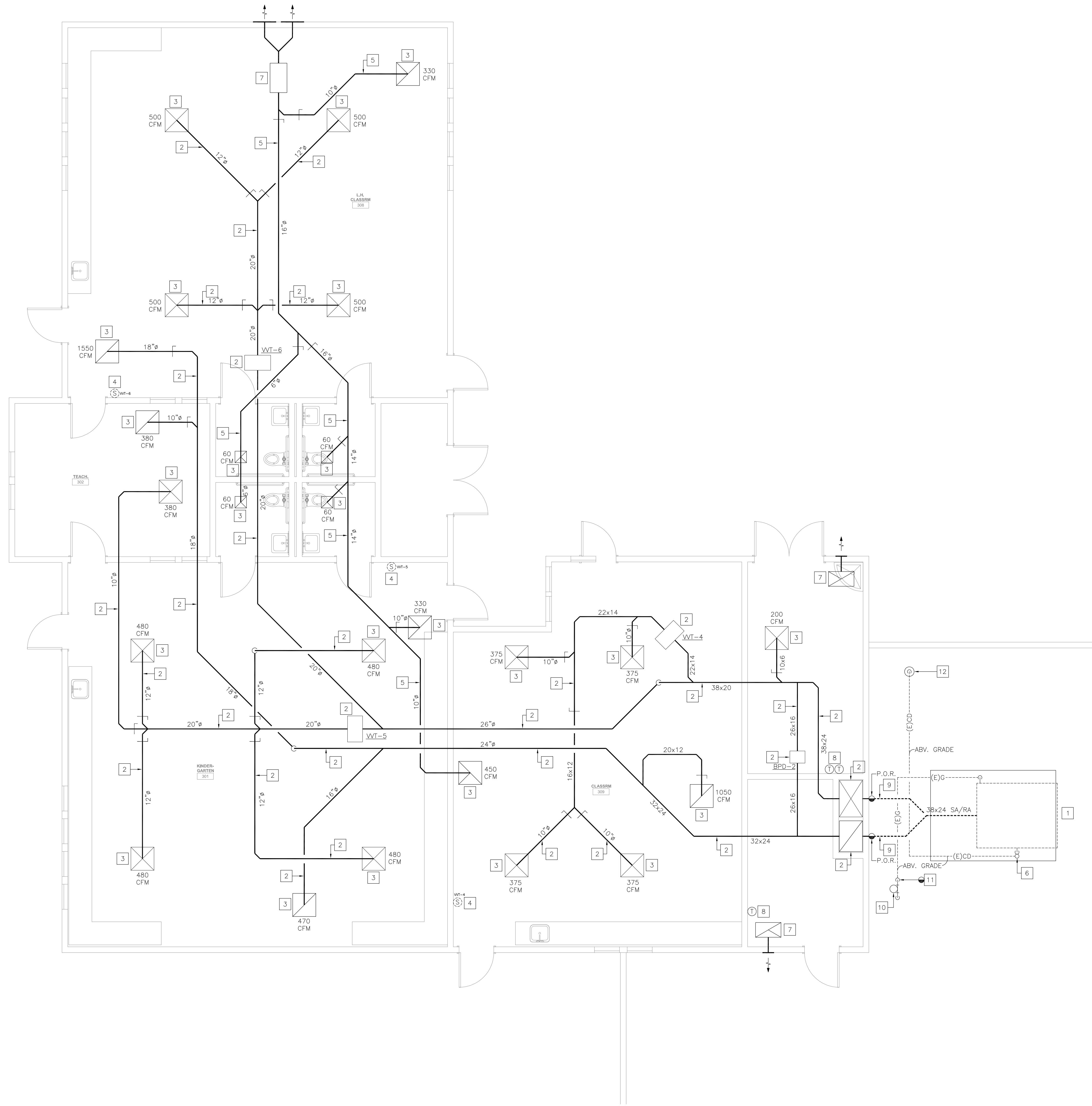
REGISTRATION/SIGNATURE:

SHEET TITLE:
**MECHANICAL
DEMOLITION FLOOR
PLAN - BUILDING 200**

SHEET NUMBER:
MD2-1.2

WD PROJ.# DRAWN BY: CHECKED DATE
22825 07/18/23

© WESTGROUP DESIGNS, INC.



DEMOLITION NOTES

- 1.- REMOVE EXISTING GRADE MOUNTED AIR CONDITIONING UNIT INCLUDING POWER EXHAUST, DISCONNECT ALL UTILITIES AND SIDE DISCHARGE DUCTWORK. REMOVE EXISTING PLENUM CURB, EXISTING CONCRETE PAD TO REMAIN, PROTECT IN PLACE DURING CONSTRUCTION. PERFORM DUCTWORK CLEANING PROCESS FIRST, THEN INSTALL NEW AIR CONDITIONING UNIT. PREPARE AREA OF REMOVAL TO RECEIVE NEW GRADE MOUNTED AIR CONDITIONING UNIT. SEE RENOVATION DRAWINGS FOR ADDITIONAL INFORMATION.
- 2.- EXISTING DUCTWORK AND ASSOCIATED ACCESSORIES TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 3.- FIELD MEASURE THE EXISTING AIR QUANTITY PER REQUIREMENTS OF AIR BALANCE NOTE ON THIS SHEET. EXISTING CEILING/SIDEWALL GRILLE/DIFFUSER TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION. CLEAN ALL GRILLES/DIFFUSERS AND REMOVE ALL DIRT, STAINS AND DEBRIS.
- 4.- REMOVE EXISTING THERMOSTAT/SENSOR AND ASSOCIATED ACCESSORIES. FIELD VERIFY EXACT LOCATION PRIOR TO START OF WORK. PREPARE THE AREA OF REMOVAL TO RECEIVE NEW THERMOSTAT/SENSOR. SEE RENOVATION DRAWINGS FOR ADDITIONAL INFORMATION.
- 5.- EXISTING DUCTWORK TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 6.- P.O.R.- REMOVE EXISTING GRADE MOUNTED CONDENSATE DRAIN PIPING IN ITS ENTIRETY.
- 7.- EXISTING EXHAUST FAN TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 8.- EXISTING THERMOSTAT TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 9.- REMOVE EXISTING EXTERIOR GRADE MOUNTED DUCTWORK AS INDICATED. MODIFY EXISTING DUCTWORK AT P.O.R. FOR RECONNECTION TO NEW DUCTWORK. SEE RENOVATION FLOOR PLAN FOR ADDITIONAL INFORMATION.
- 10.- EXISTING GAS PRESSURE REGULATOR LOCATED ABV. GRADE TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 11.- P.O.R.- REMOVE EXISTING GAS PIPING DOWNSTREAM OF EXISTING GAS PRESSURE REGULATOR ABV. GRADE TO A/C UNIT AND MODIFY FOR RECONNECTION.
- 12.- EXISTING FLOOR RECEPTOR TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.

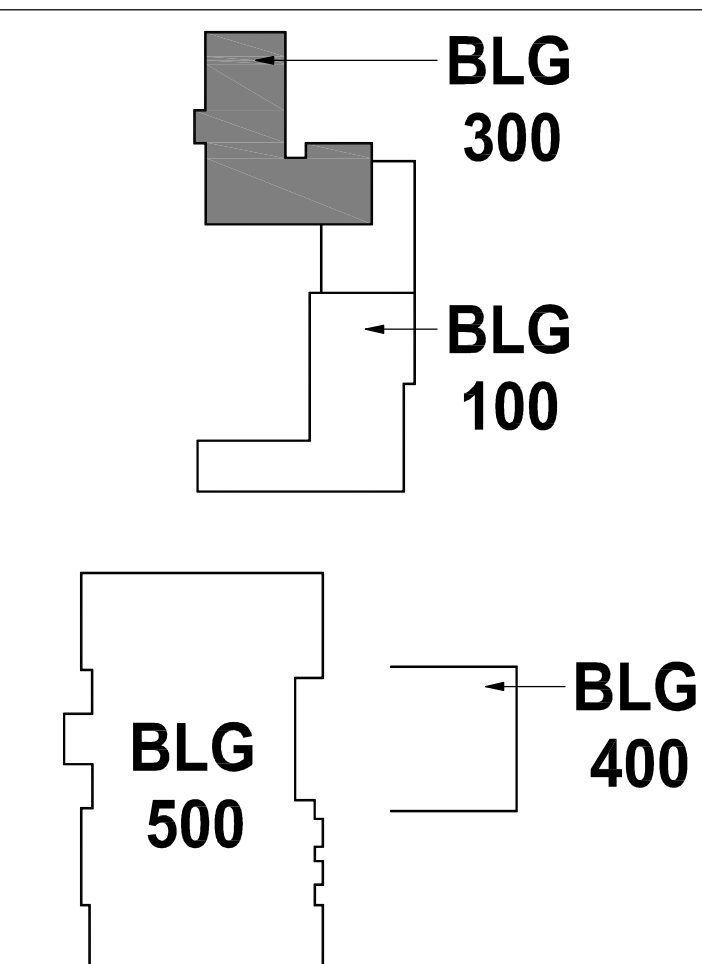
AIR BALANCE NOTE

1. EXISTING AIRFLOW RATES SHOWN ARE FOR REFERENCE ONLY. PERFORM PRE-DEMOLITION AIR BALANCE TO FIELD MEASURE THE EXISTING AIR QUANTITY FOR EACH SUPPLY AND RETURN AIR OUTLET AND INLET PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK. PREPARE A TABULATED REPORT AND ANNOTATE THE DEMOLITION FLOOR PLANS WITH THE FIELD MEASURED AIR QUANTITY VALUES. SUBMIT DRAWINGS AND REPORT TO ENGINEER/ARCHITECT FOR REVIEW PRIOR TO COMMENCEMENT OF DEMOLITION WORK.

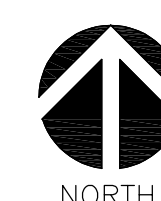
GENERAL DEMOLITION NOTES

- G1. THIS DRAWING HAS BEEN GENERATED BASED ON EXISTING RECORD DRAWINGS AND IS SHOWN FOR REFERENCE ONLY. IT IS NOT NECESSARILY INDICATING THE EXACT LAYOUT, SIZE, LOCATION, AND DIMENSIONS OF THE EXISTING SYSTEM.
- G2. CONTRACTOR TO FIELD-VERIFY ALL EXISTING MECHANICAL COMPONENTS PRIOR TO BID AND NOTIFY AOR/MEOR OF ANY DISCREPANCIES. DISCREPANCIES NOT NOTED PRIOR TO BID SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED WORK NECESSARY TO ACCOMMODATE THE INSTALLATION OF ALL NEW MECHANICAL WORK SHOWN.

KEY PLAN



| | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|
| 05 | 04 | 03 | 02 | 01 | 21 | 24 | 27 | 32 | | |
| 06 | | | | | 22 | 25 | 28 | 31 | | |
| 07 | | | | | 23 | 26 | 29 | 30 | | |
| 08 | | | | | | | | | | |
| 09 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |



MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 300 (KINDERGARTEN)

1
1/4" = 1'-0"



19900 MacArthur Boulevard | Suite 1000
Irvine | California | 92612
949.250.0880 | FAX 949.250.0882
www.westgroupdesigns.com



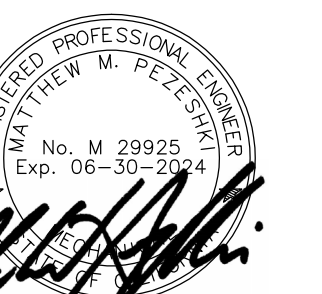
1920 E Warner Ave., Suite 3-H
Santa Ana, CA 92705
Telephone (714) 884-3834
Fax (714) 884-3834
PEI #600.030

DISCOVERY
ELEMENTARY
SCHOOL
VICTOR
ELEMENTARY
SCHOOL DISTRICT
13247 AMETHYST RD.
VICTORVILLE, CA 92392

ISSUED FOR:

REVISIONS:

REGISTRATION/SIGNATURE:

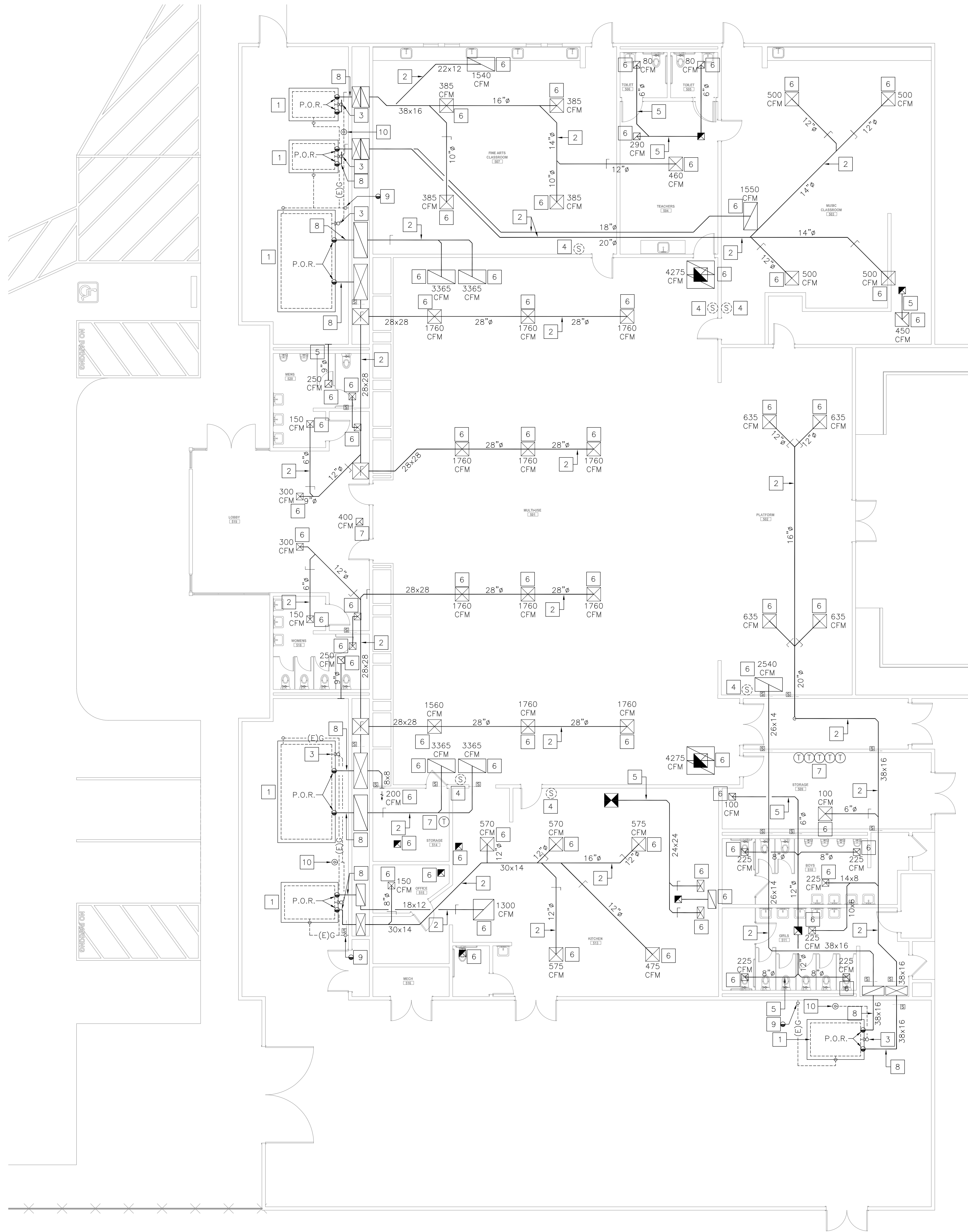


SHEET TITLE:
**MECHANICAL
DEMOLITION FLOOR
PLAN - BUILDING 300**

SHEET NUMBER:
MD2-1.3

WD PROJ. # 22825 | DRAWN BY: | CHECKED: | DATE 07/18/23

© WESTGROUP DESIGNS, INC.



DEMOLITION NOTES

- REMOVE EXISTING GRADE MOUNTED AIR CONDITIONING UNIT INCLUDING POWER EXHAUST (IF APPLICABLE). DISCONNECT ALL UTILITIES AND SIDE DISCHARGE DUCTWORK. MODIFY SIDE DISCHARGE DUCTWORK FOR RECONNECTION. EXISTING CONCRETE PAD TO REMAIN, PROTECT IN PLACE DURING CONSTRUCTION. PERFORM DUCTWORK CLEANING PROCESS FIRST, THEN INSTALL NEW AIR CONDITIONING UNIT. PREPARE AREA OF REMOVAL TO RECEIVE NEW GRADE MOUNTED AIR CONDITIONING UNIT. SEE RENOVATION DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING DUCTWORK AND ASSOCIATED ACCESSORIES TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- P.O.R. - REMOVE EXISTING GRADE MOUNTED CONDENSATE DRAIN PIPING IN ITS ENTIRETY.
- REMOVE EXISTING THERMOSTAT/SENSOR AND ASSOCIATED ACCESSORIES. FIELD VERIFY EXACT LOCATION PRIOR TO START OF WORK. PREPARE THE AREA OF REMOVAL TO RECEIVE NEW THERMOSTAT/SENSOR. SEE RENOVATION DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING DUCTWORK TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- FIELD MEASURE THE EXISTING AIR QUANTITY PER REQUIREMENTS OF AIR BALANCE NOTE ON THIS SHEET. EXISTING CEILING/SIDEWALL GRILLE/DIFFUSER TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION. CLEAN ALL GRILLES/DIFFUSERS AND REMOVE ALL DIRT, STAINS AND DEBRIS.
- EXISTING THERMOSTAT TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- EXISTING EXTERIOR GRADE MOUNTED DUCTWORK TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- P.O.R. - REMOVE EXISTING GAS PIPING DOWNSTREAM OF EXISTING GAS PRESSURE REGULATOR ABV. GRADE TO A/C UNIT AND MODIFY FOR RECONNECTION.
- EXISTING FLOOR RECEPTOR TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.

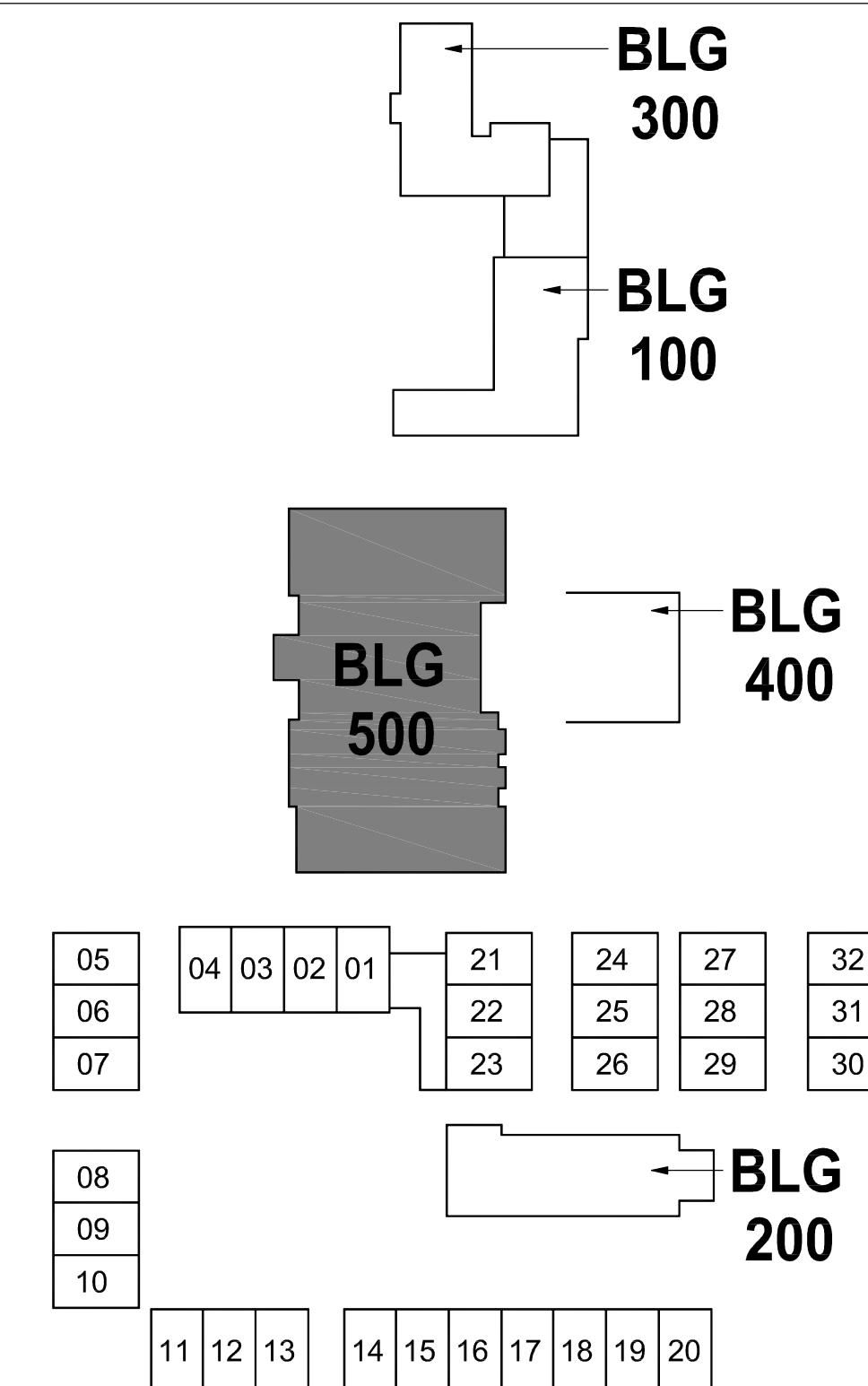
AIR BALANCE NOTE

- EXISTING AIRFLOW RATES SHOWN ARE FOR REFERENCE ONLY. PERFORM PRE-DEMOLITION AIR BALANCE TO FIELD MEASURE THE EXISTING AIR QUANTITY FOR EACH SUPPLY AND RETURN AIR OUTLET AND INLET PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK. PREPARE A TABULATED REPORT AND ANNOTATE THE DEMOLITION FLOOR PLANS WITH THE FIELD MEASURED AIR QUANTITY VALUES. SUBMIT DRAWINGS AND REPORT TO ENGINEER/ARCHITECT FOR REVIEW PRIOR TO COMMENCEMENT OF DEMOLITION WORK.

GENERAL DEMOLITION NOTES

- THIS DRAWING HAS BEEN GENERATED BASED ON EXISTING RECORD DRAWINGS AND IS SHOWN FOR REFERENCE ONLY. IT IS NOT NECESSARILY INDICATING THE EXACT LAYOUT, SIZE, LOCATION, AND DIMENSIONS OF THE EXISTING SYSTEM.
- CONTRACTOR TO FIELD-VERIFY ALL EXISTING MECHANICAL COMPONENTS PRIOR TO BID AND NOTIFY AOR/MEOR OF ANY DISCREPANCIES. DISCREPANCIES NOT NOTED PRIOR TO BID SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED WORK NECESSARY TO ACCOMMODATE THE INSTALLATION OF ALL NEW MECHANICAL WORK SHOWN.

KEY PLAN



MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 500 (MULTI-PURPOSE)

1
1/8" = 1'-0"



19900 MacArthur Boulevard | Suite 1000
Irvine | California | 92612
949.250.0880 | FAX 949.250.0882
www.westgroupdesigns.com



1920 E Warner Ave., Suite 3-H
Santa Ana, CA 92705
Telephone (714) 884-3834
Fax (714) 884-3834
PEI #600.030

**DISCOVERY
ELEMENTARY
SCHOOL
VICTOR
ELEMENTARY
SCHOOL DISTRICT
13247 AMETHYST RD.
VICTORVILLE, CA 92392**

ISSUED FOR:

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

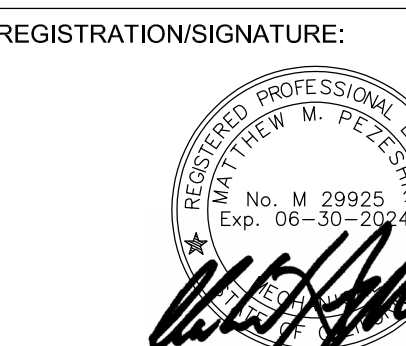
| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |

| |
|--|
| |
| |



**MECHANICAL
DEMOLITION FLOOR
PLAN - BUILDING 500**

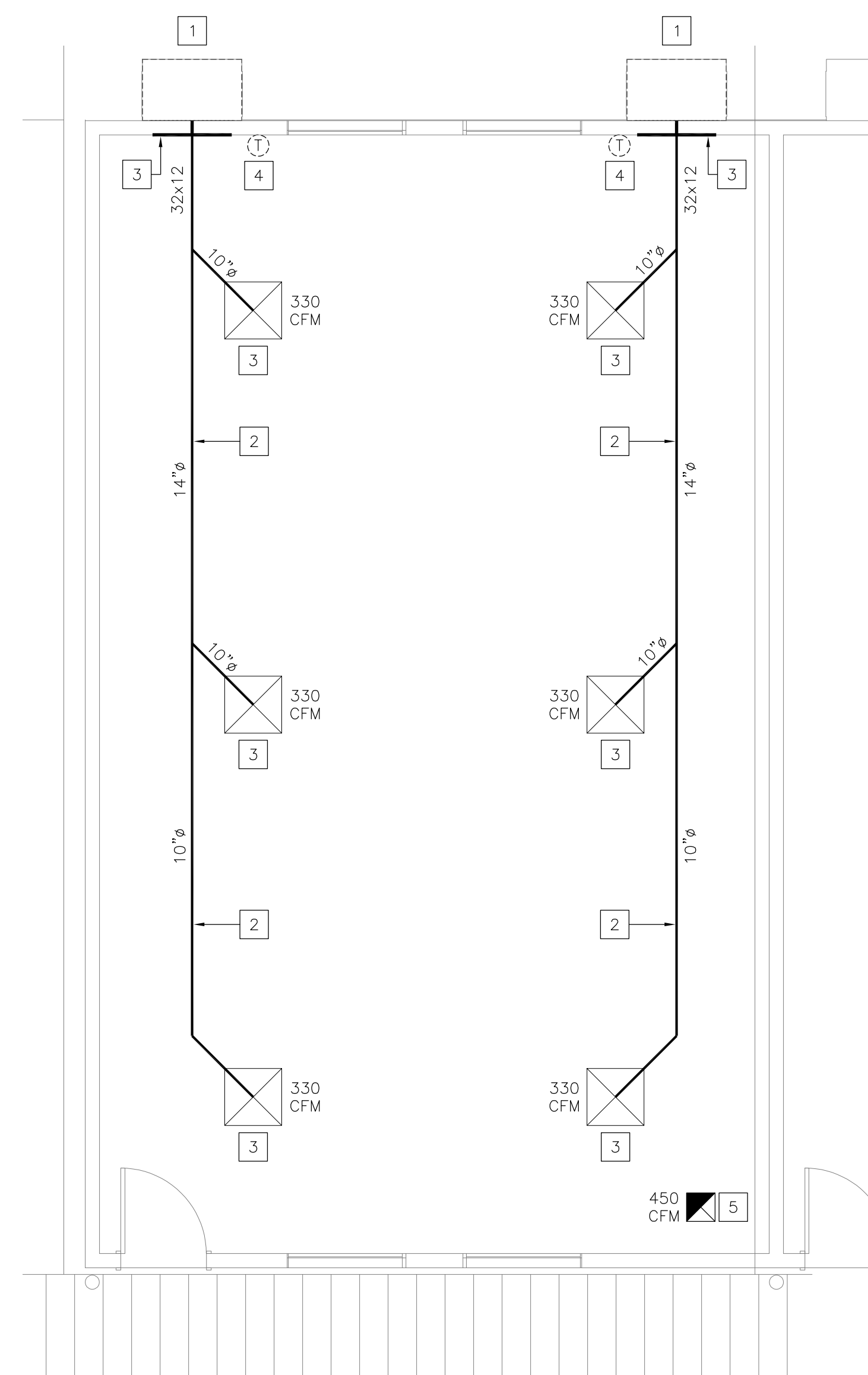
MD2-1.4

WD PROJ. # 22825 | DRAWN BY: | CHECKED: | DATE 07/18/23

© WESTGROUP DESIGNS, INC.

DEMOLITION NOTES

- REMOVE EXISTING WALL MOUNTED GAS-ELECTRIC AIR CONDITIONING UNIT. DISCONNECT ALL UTILITIES AND DUCTWORK. MODIFY EXISTING DUCTWORK FOR RECONNECTION. MODIFY GAS PIPING FOR RECONNECTION. REMOVE EXISTING CONDENSATE DRAIN PIPING IN ITS ENTIRETY. PERFORM DUCTWORK CLEANING PROCESS FIRST, THEN INSTALL NEW WALL MOUNTED GAS-ELECTRIC AIR CONDITIONING UNIT. PREPARE AREA OF REMOVAL TO RECEIVE NEW SOUND CURB AND WALL MOUNTED GAS-ELECTRIC AIR CONDITIONING UNIT. SEE RENOVATION DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING DUCTWORK AND ASSOCIATED ACCESSORIES TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- FIELD MEASURE THE EXISTING AIR QUANTITY PER REQUIREMENTS OF AIR BALANCE NOTE ON THIS SHEET. EXISTING CEILING/SIDEWALL GRILLE/DIFFUSER TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION. CLEAN ALL GRILLES/DIFFUSERS AND REMOVE ALL DIRT, STAINS AND DEBRIS.
- REMOVE EXISTING THERMOSTAT AND ASSOCIATED ACCESSORIES. FIELD VERIFY EXACT LOCATION PRIOR TO START OF WORK. PREPARE THE AREA OF REMOVAL TO RECEIVE NEW THERMOSTAT. SEE RENOVATION DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING EA DUCTWORK, CEILING DIFFUSER AND ASSOCIATED ROOFTOP EXHAUST FAN TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION. CLEAN ALL DIFFUSERS AND REMOVE ALL DIRT AND DEBRIS.



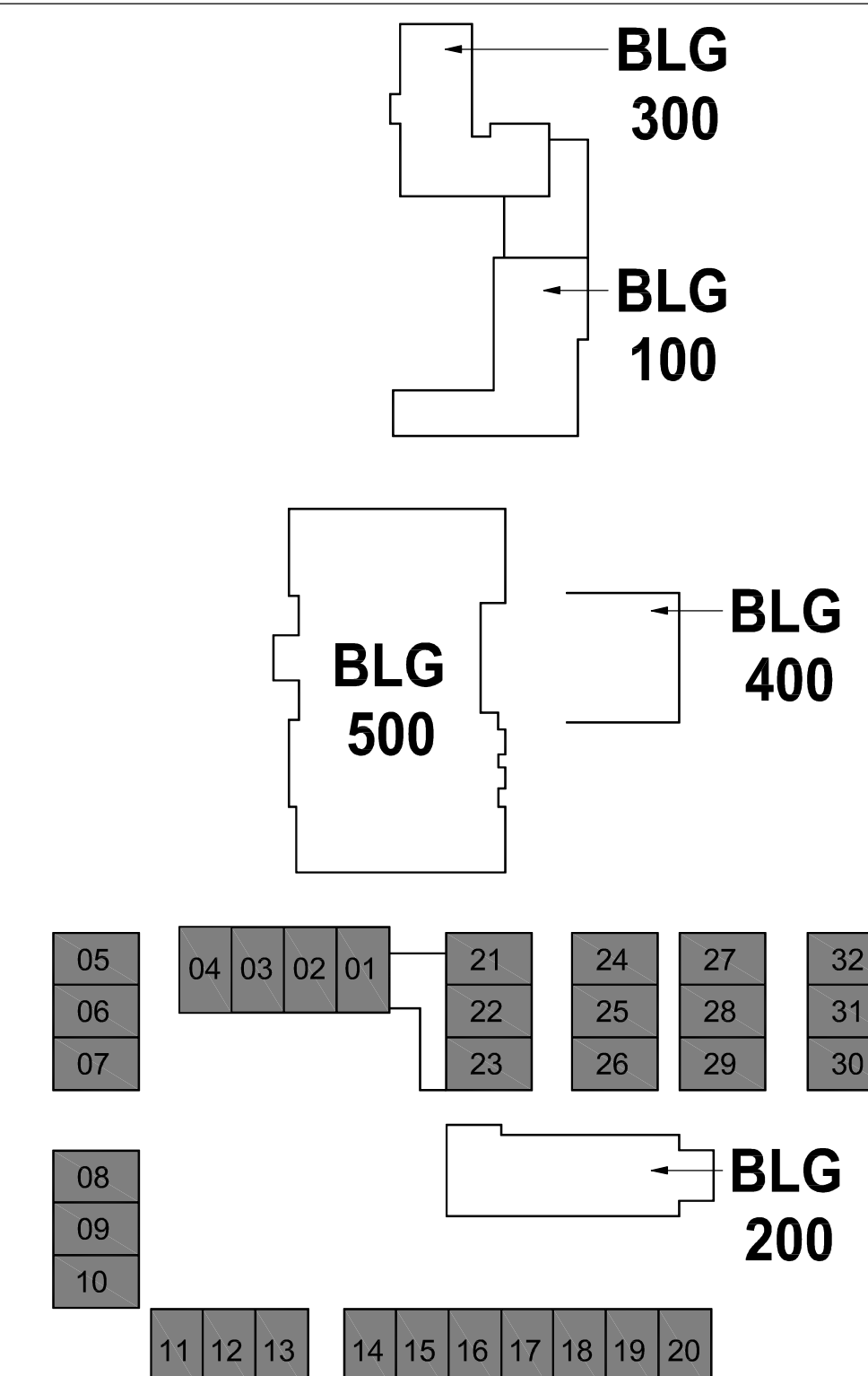
AIR BALANCE NOTE

- EXISTING AIRFLOW RATES SHOWN ARE FOR REFERENCE ONLY. PERFORM PRE-DEMOLITION AIR BALANCE TO FIELD MEASURE THE EXISTING AIR QUANTITY FOR EACH SUPPLY AND RETURN AIR OUTLET AND INLET PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK. PREPARE A TABULATED REPORT AND ANNOTATE THE DEMOLITION FLOOR PLANS WITH THE FIELD MEASURED AIR QUANTITY VALUES. SUBMIT DRAWINGS AND REPORT TO ENGINEER/ARCHITECT FOR REVIEW PRIOR TO COMMENCEMENT OF DEMOLITION WORK.

GENERAL DEMOLITION NOTES

- THIS DRAWING HAS BEEN GENERATED BASED ON EXISTING RECORD DRAWINGS AND IS SHOWN FOR REFERENCE ONLY. IT IS NOT NECESSARILY INDICATING THE EXACT LAYOUT, SIZE, LOCATION, AND DIMENSIONS OF THE EXISTING SYSTEM.
- CONTRACTOR TO FIELD-VERIFY ALL EXISTING MECHANICAL COMPONENTS PRIOR TO BID AND NOTIFY AOR/MEOR OF ANY DISCREPANCIES. DISCREPANCIES NOT NOTED PRIOR TO BID SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED WORK NECESSARY TO ACCOMMODATE THE INSTALLATION OF ALL NEW MECHANICAL WORK SHOWN.

KEY PLAN



19900 MacArthur Boulevard | Suite 1000
Irvine | California | 92612
949.250.0880 | FAX 949.250.0882
www.westgroupdesigns.com



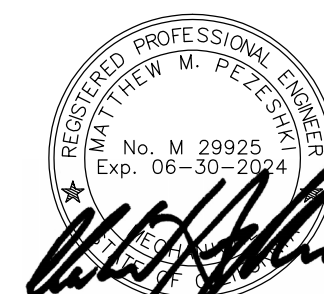
1920 E Warner Ave., Suite 3-H
Santa Ana, CA 92705
Telephone (714) 884-3834
Fax (714) 884-3834
PEI #600.030

**DISCOVERY
ELEMENTARY
SCHOOL
VICTOR
ELEMENTARY
SCHOOL DISTRICT**
13247 AMETHYST RD.
VICTORVILLE, CA 92392

ISSUED FOR:

REVISIONS:

REGISTRATION/SIGNATURE:



SHEET TITLE:
**MECHANICAL
DEMOLITION FLOOR
PLAN - RELOCATABLES**

SHEET NUMBER:

MD2-1.5

WD PROJ. # 22825 | DRAWN BY: | CHECKED: | DATE 07/18/23

© WESTGROUP DESIGNS, INC.

MECHANICAL DEMOLITION FLOOR PLAN - RELOCATABLE (DUAL UNIT)

1
1/4" = 1'-0"

PLAN NOTES

- 1.- GRADE MOUNTED PACKAGED AIR CONDITIONER UNIT ON EXISTING CONCRETE PAD. SEE SCHEDULE ON SHEET M0-1.1 AND DETAILS 1 & 4/M0-2.1 FOR ADDITIONAL INFORMATION.
- 2.- 3/4" GAS COMPLETE WITH A LISTED YELLOW FLEXIBLE CONNECTOR, SHUT-OFF COCK, UNION AND 6" DIRT LEG. SUPPORT PIPING ABV. GRADE WITH CHANNEL STRUT AND PIPE CLAMP (6'-0" O.C.). PAINT ALL EXPOSED PIPING WITH A RUST INHIBITOR. SEE DETAIL 1/M0-2.2 FOR ADDITIONAL INFORMATION.
- 3.- CLEAN ALL EXISTING AIR DISTRIBUTION SYSTEM INCLUDING DUCTWORK, GRILLES, DIFFUSERS AND ASSOCIATED ACCESSORIES IN THEIR ENTIRETY IN EACH SPACE PER REQUIREMENTS OF SPECIFICATION SECTION 23 01 30.
- 4.- PERFORM A TEST AND BALANCE OF EACH SPACE. BALANCE EACH DIFFUSER/GRILLE TO THE SAME CFM AS MEASURED PRIOR TO DEMOLITION WORK. SEE AIR BALANCE NOTE ON DEMOLITION FLOOR PLAN. SUBMIT TEST AND BALANCE REPORT INCLUDING COMPARISON WITH THE PRE-DEMOLITION VALUES.
- 5.- DIGITAL THERMOSTAT WITH CO2 SENSOR WITH DIGITAL DISPLAY, 2-HOUR OVERRIDE BUTTON AND CO2 ADJUSTMENT BUTTON. FOR MOUNTING HEIGHT SEE SHEET M0-1.0. COORDINATE LOCATION OF THERMOSTAT WITH ROOM FURNITURE AND ARCHITECT PRIOR TO INSTALLATION.
- 6.- PROVIDE TWO (2) MICROMETL NO. 0876-0400 (10"x10") BAROMETRIC RELIEF DAMPERS ON EXISTING RETURN AIR DUCTWORK.
- 7.- PROVIDE TWO (2) MICROMETL NO. 0876-0500 (12"x12") BAROMETRIC RELIEF DAMPERS ON EXISTING RETURN AIR DUCTWORK.
- 8.- P.O.C.- 1" GAS (SCH. 40 BLACK STEEL) TO EXISTING PIPING ABV. GRADE DOWNSTREAM OF EXISTING GAS PRESSURE REGULATOR. EXTEND SERVICE AS INDICATED. FIELD VERIFY EXACT LOCATION PRIOR TO START OF WORK. SUPPORT PIPING ABV. GRADE WITH CHANNEL STRUT AND PIPE CLAMP (6'-0" O.C.). PAINT ALL EXPOSED PIPING WITH A RUST INHIBITOR.
- 9.- 3/4" CD (COPPER TYPE 'M') COMPLETE WITH TRAP AND VENT. EXTEND CD ABV. GRADE TO P.O.C. AS INDICATED. SUPPORT PIPING ABV. GRADE WITH CHANNEL STRUT AND PIPE CLAMP (6'-0" O.C.). SEE DETAIL 2/M0-2.1 FOR ADDITIONAL INFORMATION.
- 10.- DISCHARGE 3/4" CD (COPPER TYPE 'M') INTO EXISTING FLOOR RECEPTOR WITH LEGAL AIR-GAP. FIELD VERIFY EXACT LOCATION PRIOR TO START OF WORK.



19900 MacArthur Boulevard | Suite 1000
Irvine | California | 92612
949.250.0880 | FAX 949.250.0882
www.westgroupdesigns.com



1920 E Warner Ave., Suite 3-H
Santa Ana, CA 92705
Telephone (714) 884-3834
Fax (714) 884-3834
PEI #600.030

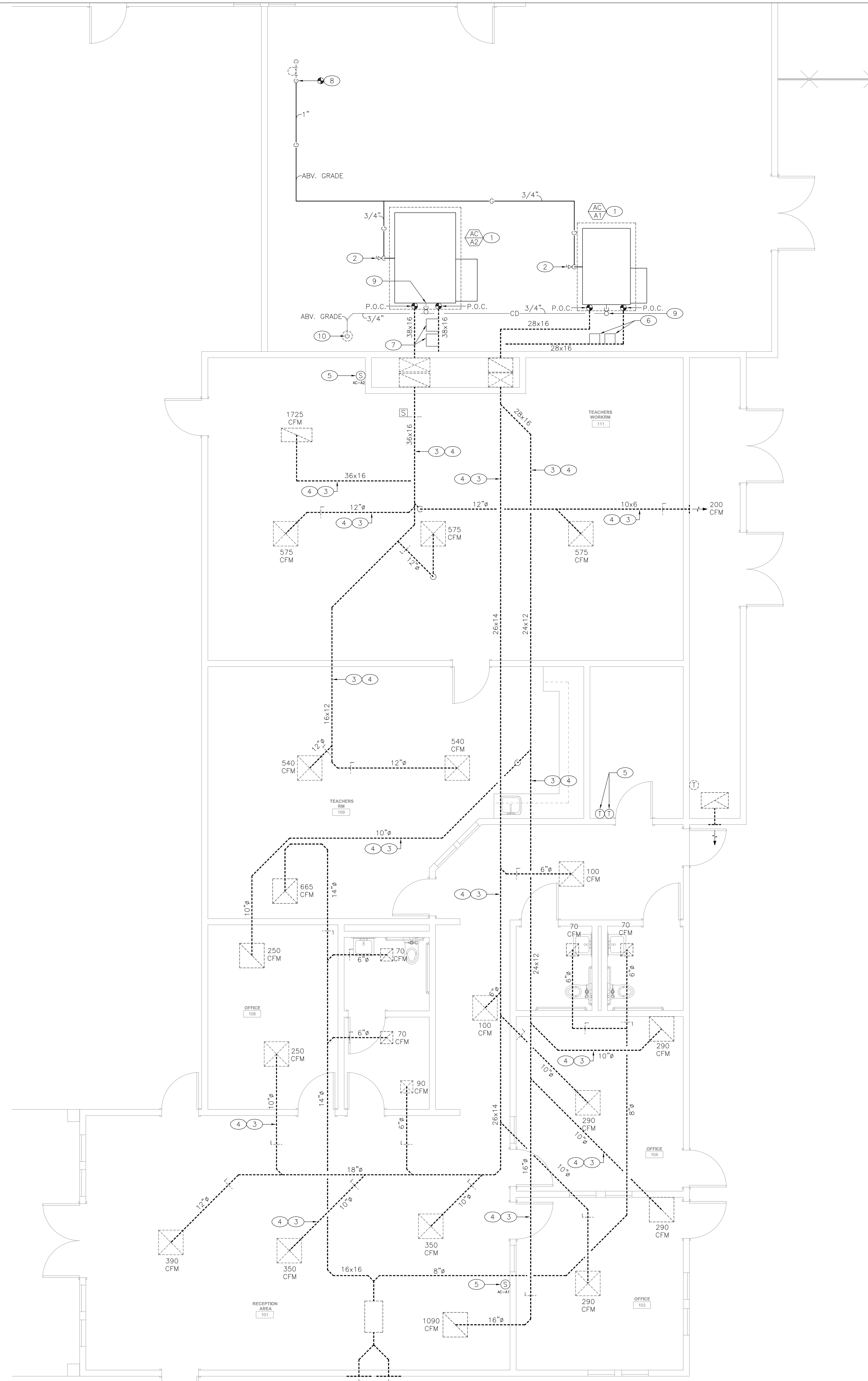
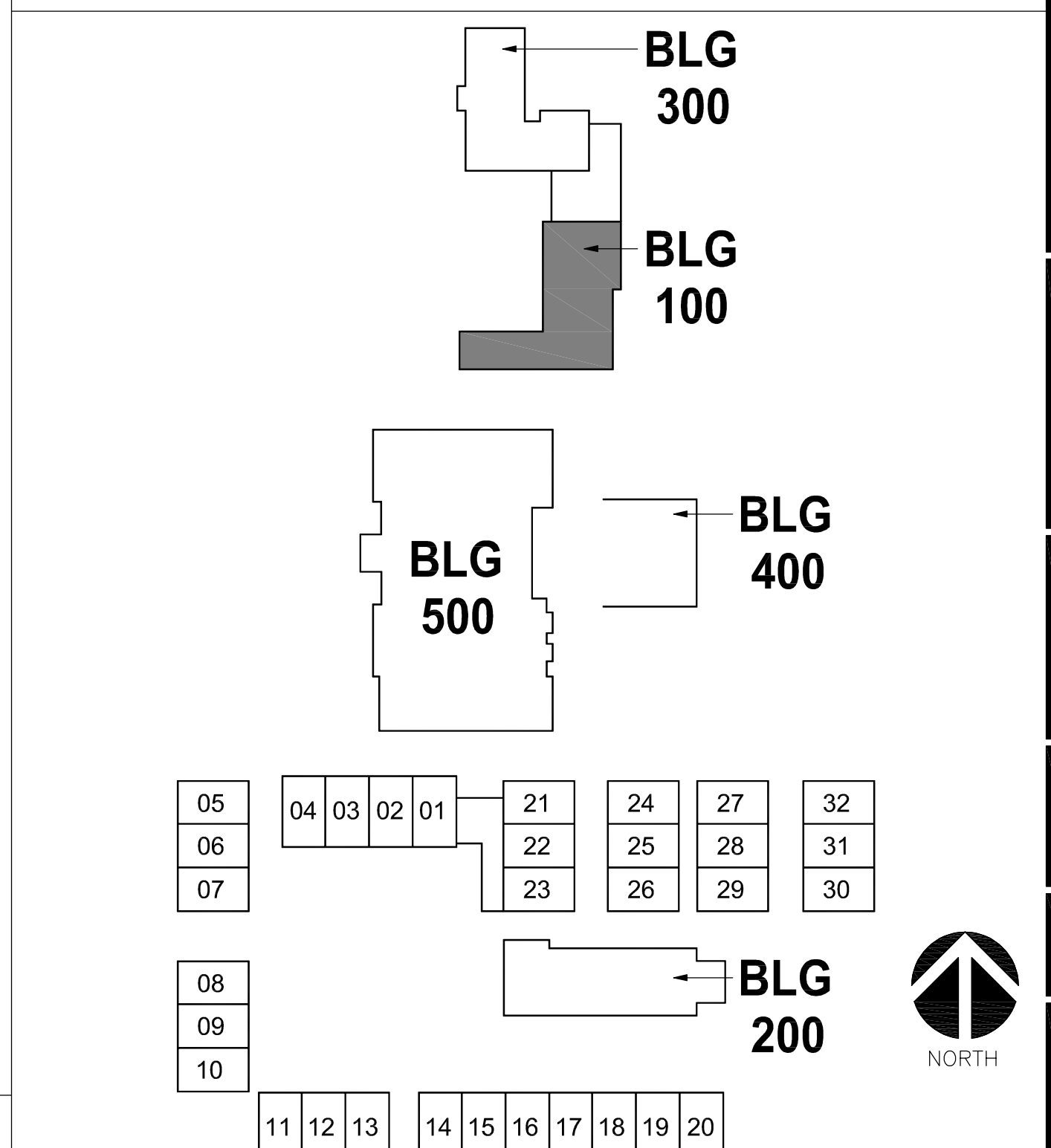
DISCOVERY
ELEMENTARY
SCHOOL
VICTOR
ELEMENTARY
SCHOOL DISTRICT
13247 AMETHYST RD.
VICTORVILLE, CA 92392

ISSUED FOR:

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

REVISIONS:

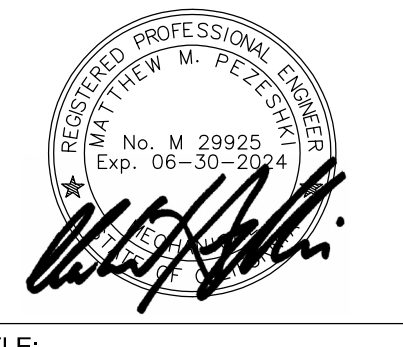
KEY PLAN



MECHANICAL RENOVATION FLOOR PLAN - BUILDING 100 (ADMINISTRATION)

1
1/4" = 1'-0"

REGISTRATION/SIGNATURE:

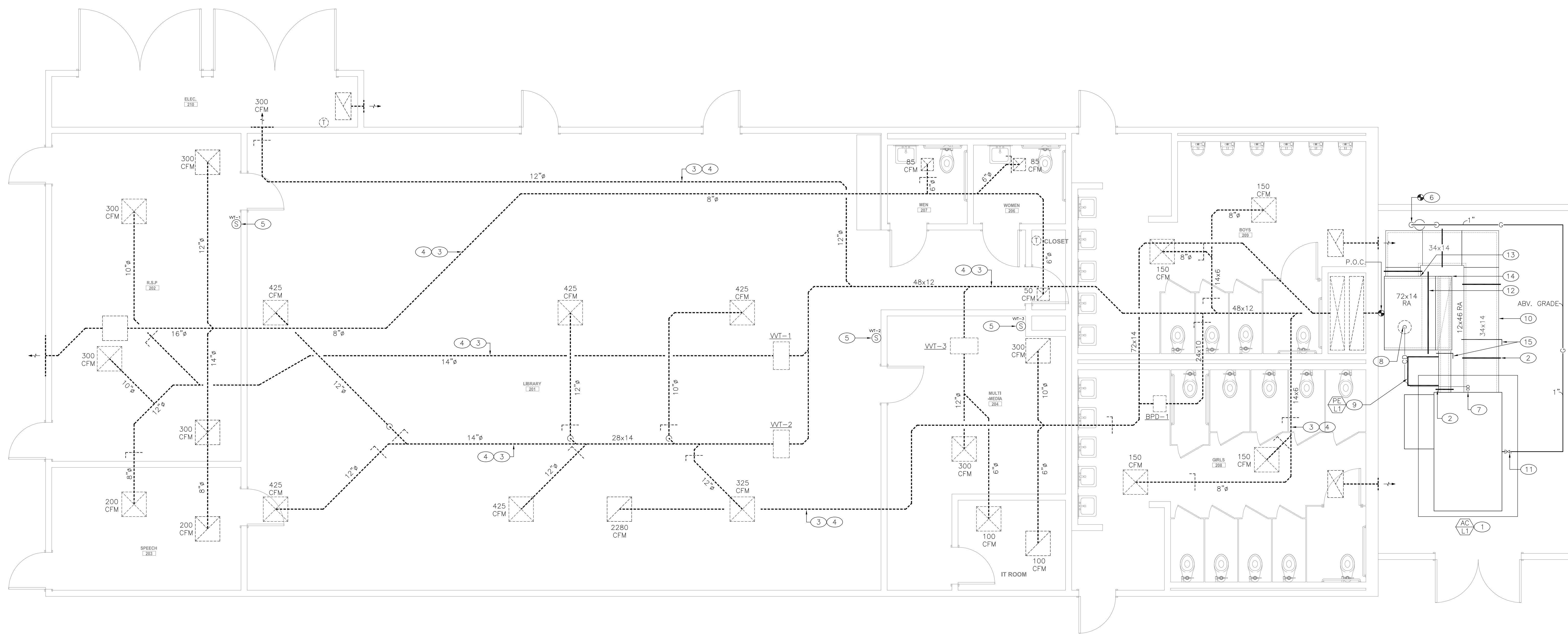


SHEET TITLE:
**MECHANICAL
RENOVATION FLOOR
PLAN - BUILDING 100**

SHEET NUMBER:
M2-1.1

WD PROJ. # 22825 | DRAWN BY: | CHECKED: | DATE 07/18/23

© WESTGROUP DESIGNS, INC.

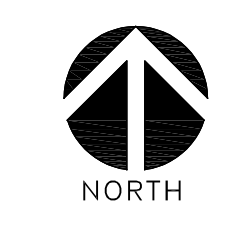


**DISCOVERY
ELEMENTARY
SCHOOL
VICTOR
ELEMENTARY
SCHOOL DISTRICT
13247 AMETHYST RD.
VICTORVILLE, CA 92392**

ISSUED FOR:

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

REVISIONS:



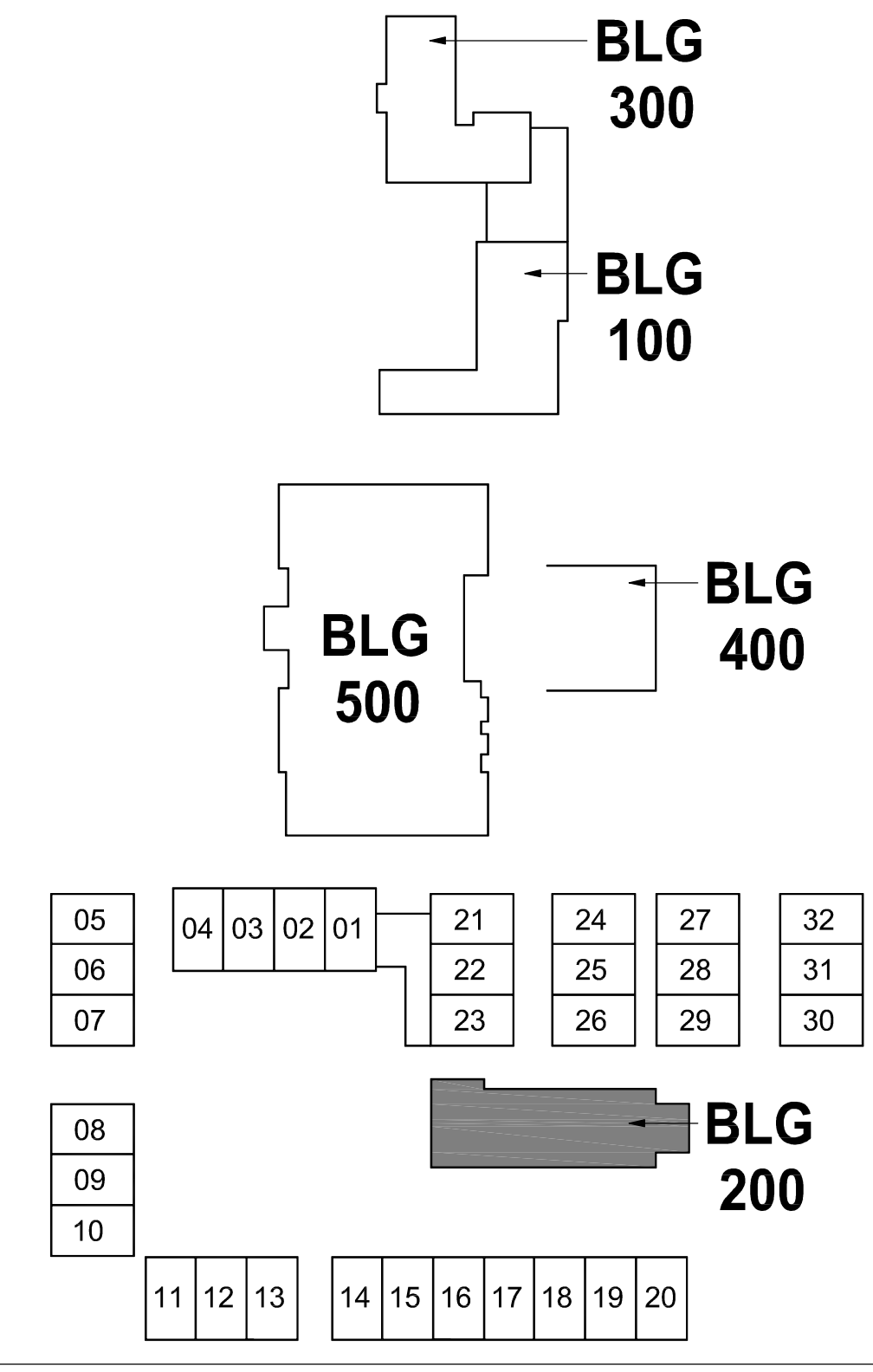
MECHANICAL RENOVATION FLOOR PLAN - BUILDING 200 (LIBRARY)

1
1/4" = 1'-0"


PLAN NOTES KEY PLAN

15.- MANUAL VOLUME DAMPER.

- 1.- GRADE MOUNTED PACKAGED AIR CONDITIONER UNIT ON EXISTING CONCRETE PAD. SEE SCHEDULE ON SHEET M0-1.1 AND DETAILS 1 & 4/M0-2.1 FOR ADDITIONAL INFORMATION.
- 2.- GRADE MOUNTED DUCT SUPPORT, SET AT 6'-0" O.C. MAX. SEE DETAIL 3/M0-2.2 FOR ADDITIONAL INFORMATION.
- 3.- CLEAN ALL EXISTING AIR DISTRIBUTION SYSTEM INCLUDING DUCTWORK, GRILLES, DIFFUSERS AND ASSOCIATED ACCESSORIES IN THEIR ENTIRETY IN EACH SPACE PER REQUIREMENTS OF SPECIFICATION SECTION 23 01 30.
- 4.- PERFORM A TEST AND BALANCE OF EACH SPACE. BALANCE EACH DIFFUSER/GRILLE TO THE SAME CFM AS MEASURED PRIOR TO DEMOLITION WORK. SEE AIR BALANCE NOTE ON DEMOLITION FLOOR PLAN. SUBMIT TEST AND BALANCE REPORT INCLUDING COMPARISON WITH THE PRE-DEMOLITION VALUES.
- 5.- DIGITAL THERMOSTAT WITH CO2 SENSOR WITH DIGITAL DISPLAY, 2-HOUR OVERRIDE BUTTON AND CO2 ADJUSTMENT BUTTON. FOR MOUNTING HEIGHT SEE SHEET M0-1.0. COORDINATE LOCATION OF THERMOSTAT WITH ROOM FURNITURE AND ARCHITECT PRIOR TO INSTALLATION.
- 6.- P.O.C. - 1" GAS (SCH. 40 BLACK STEEL) TO EXISTING PIPING ABV. GRADE DOWNSTREAM OF EXISTING GAS PRESSURE REGULATOR. EXTEND SERVICE AS INDICATED. FIELD VERIFY EXACT LOCATION PRIOR TO START OF WORK. SUPPORT PIPING ABV. GRADE WITH CHANNEL STRUT AND PIPE CLAMP (6'-0" O.C.). PAINT ALL EXPOSED PIPING WITH A RUST INHIBITOR.
- 7.- 3/4" CD (COPPER TYPE 'M') COMPLETE WITH TRAP AND VENT. EXTEND CD ABV. GRADE TO P.O.C. AS INDICATED. SUPPORT PIPING ABV. GRADE WITH CHANNEL STRUT AND PIPE CLAMP (6'-0" O.C.). SEE DETAIL 2/M0-2.1 FOR ADDITIONAL INFORMATION.
- 8.- DISCHARGE 3/4" CD (COPPER TYPE 'M') INTO EXISTING FLOOR RECEPTOR WITH LEGAL AIR-GAP. FIELD VERIFY EXACT LOCATION PRIOR TO START OF WORK.
- 9.- LOCATE POWER EXHAUST MODULE ON RETURN AIR DUCTWORK PER MANUFACTURER'S RECOMMENDATION AND GUIDELINES.
- 10.- GRADE MOUNTED DUCTWORK. SEE DETAIL 9/M0-2.1 FOR ADDITIONAL INFORMATION.
- 11.- 1" GAS COMPLETE WITH A LISTED YELLOW FLEXIBLE CONNECTOR, SHUT-OFF COCK, UNION AND 6" DIRT LEG. SUPPORT PIPING ABV. GRADE WITH CHANNEL STRUT AND PIPE CLAMP (6'-0" O.C.). PAINT ALL EXPOSED PIPING WITH A RUST INHIBITOR. SEE DETAIL 1/M0-2.2 FOR ADDITIONAL INFORMATION.
- 12.- GRADE MOUNTED DUCT SUPPORT, SET AT 6'-0" O.C. MAX. SEE DETAIL 9/M0-2.1 FOR ADDITIONAL INFORMATION.
- 13.- CONNECT 34x14 SA DUCT TO 72x38x14H SA PLENUM.
- 14.- CONNECT 46x12 RA DUCT TO BOTTOM OF 72x72x14H RA PLENUM.



REGISTRATION/SIGNATURE:

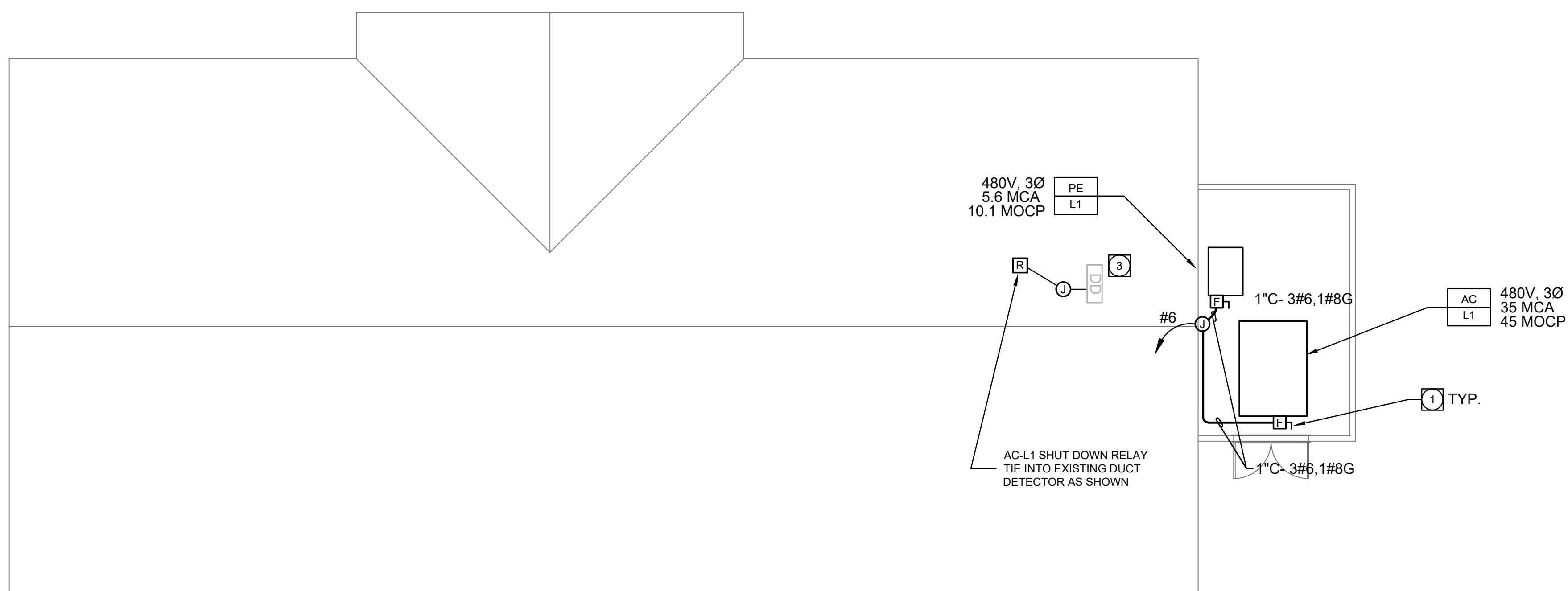


SHEET TITLE: **MECHANICAL RENOVATION FLOOR PLAN - BUILDING 200**

SHEET NUMBER: **M2-1.2**

| | | | |
|------------|-----------|---------|----------|
| WD PROJ. # | DRAWN BY: | CHECKED | DATE |
| 22825 | | | 07/18/23 |

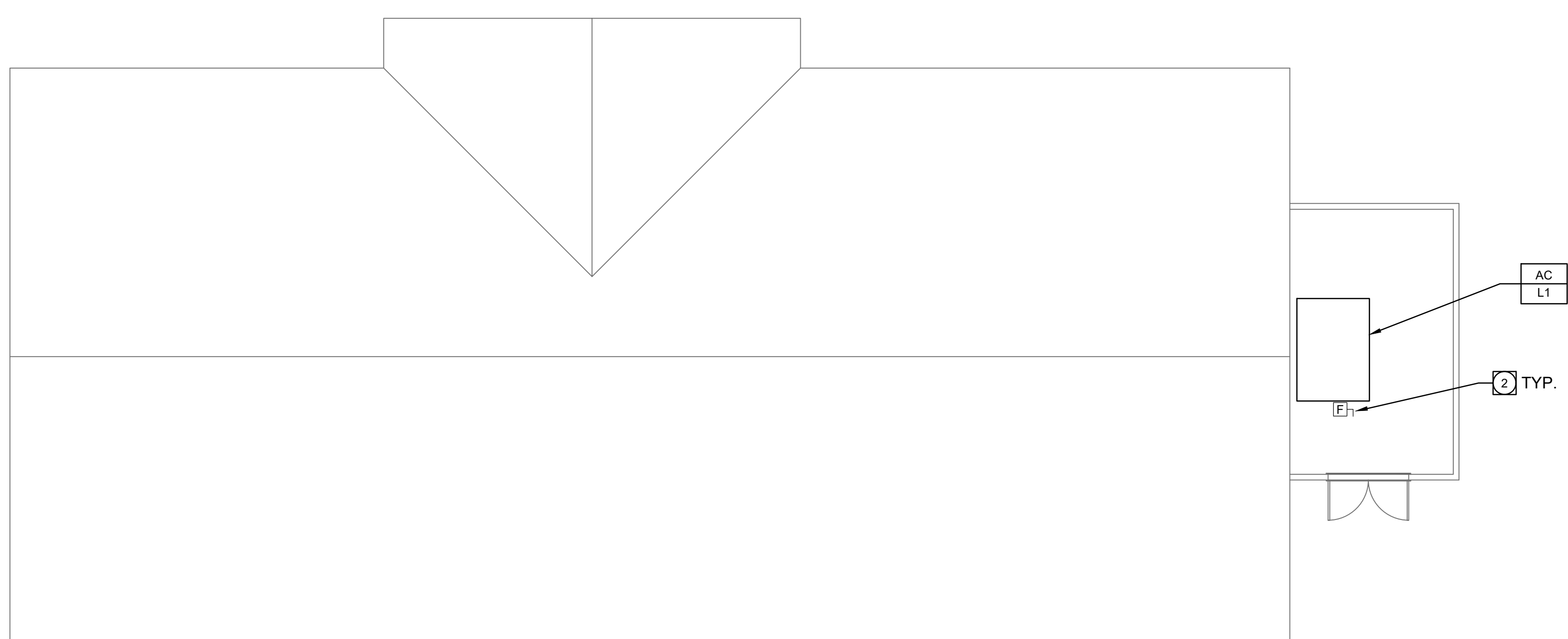
© WESTGROUP DESIGNS, INC.



ELECTRICAL IMPROVEMENT PLAN - BUILDING 200

1

1/8" = 1'-0"



ELECTRICAL DEMOLITION PLAN - BUILDING 200

2

1/8" = 1'-0"

PLAN NOTES:

- 1 PROVIDE WP FUSED DISCONNECT SWITCH, RECONNECT UNIT TO EXISTING CIRCUIT.
 - 2 DISCONNECT EXISTING UNIT, RECONNECT FUSED DISCONNECT AND PREPARE CIRCUITRY FOR REUSE.
 - 3 FIELD VERIFY LOCATION OF DUCT DETECTOR.
- FRM-1
CSFM LISTING # 7300-0028-0219



**WESTGROUP
DESIGNS**
ARCHITECTURE | PLANNING | INTERIOR DESIGN

19520 Jamboree Road | Suite 100
Irvine | California | 92612
949.250.0880 | FAX 949.250.0882
www.westgroupdesigns.com



2100 W Orangewood Ave Suite 105 | Orange, CA 92668

**DISCOVERY SCHOOL
OF THE ARTS**

**VICTOR
ELEMENTARY
SCHOOL DISTRICT**

13247 AMETHYST RD.
VICTORVILLE, CA 92395

ISSUED FOR:

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

REVISIONS:

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

REGISTRATION/SIGNATURE:

SHEET TITLE:

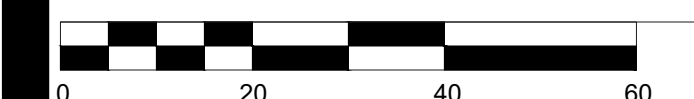
**ENLARGED PLAN -
BUILDING 200**

SHEET NUMBER:

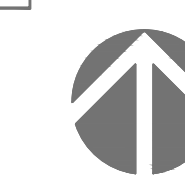
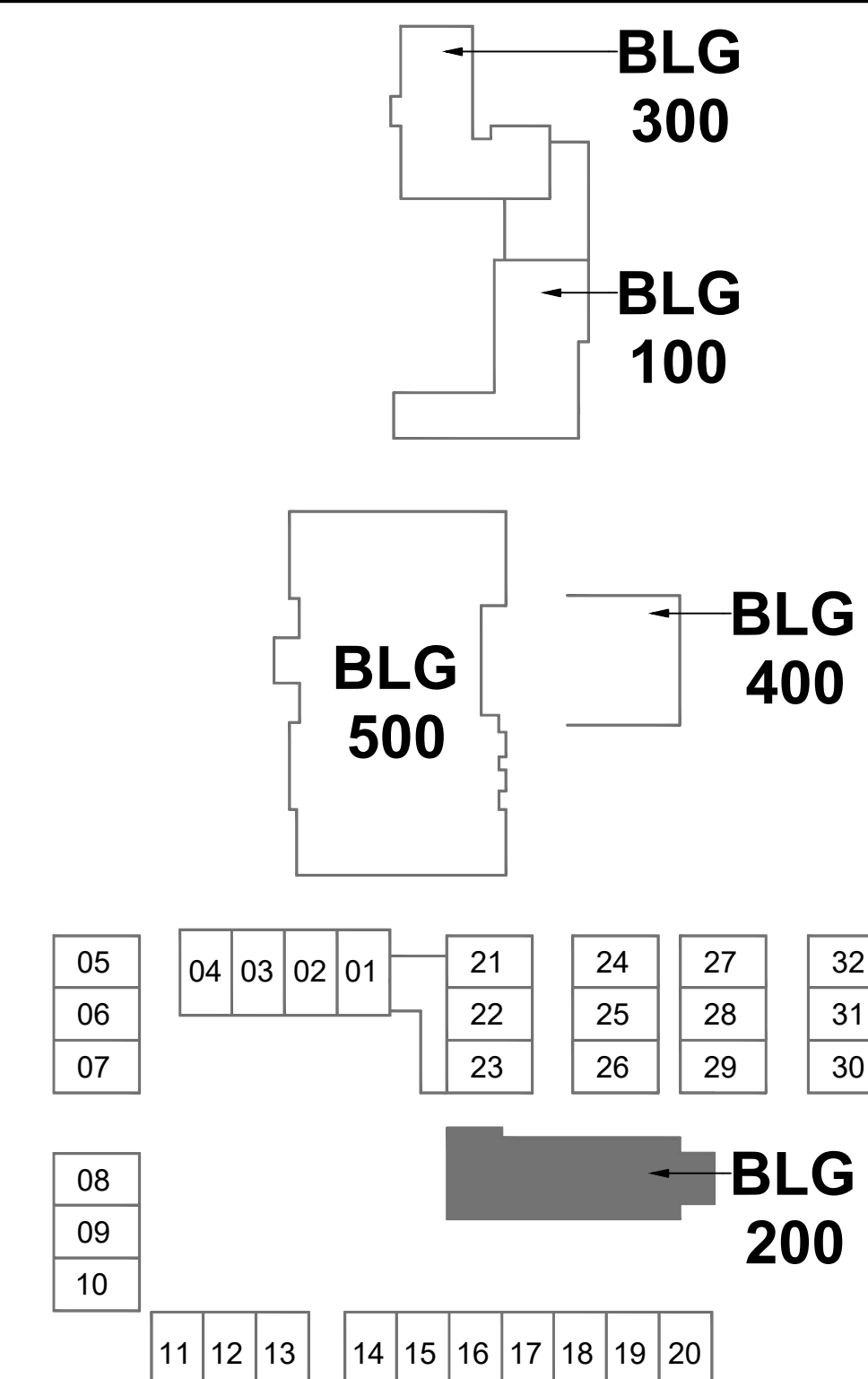
E5-1.2

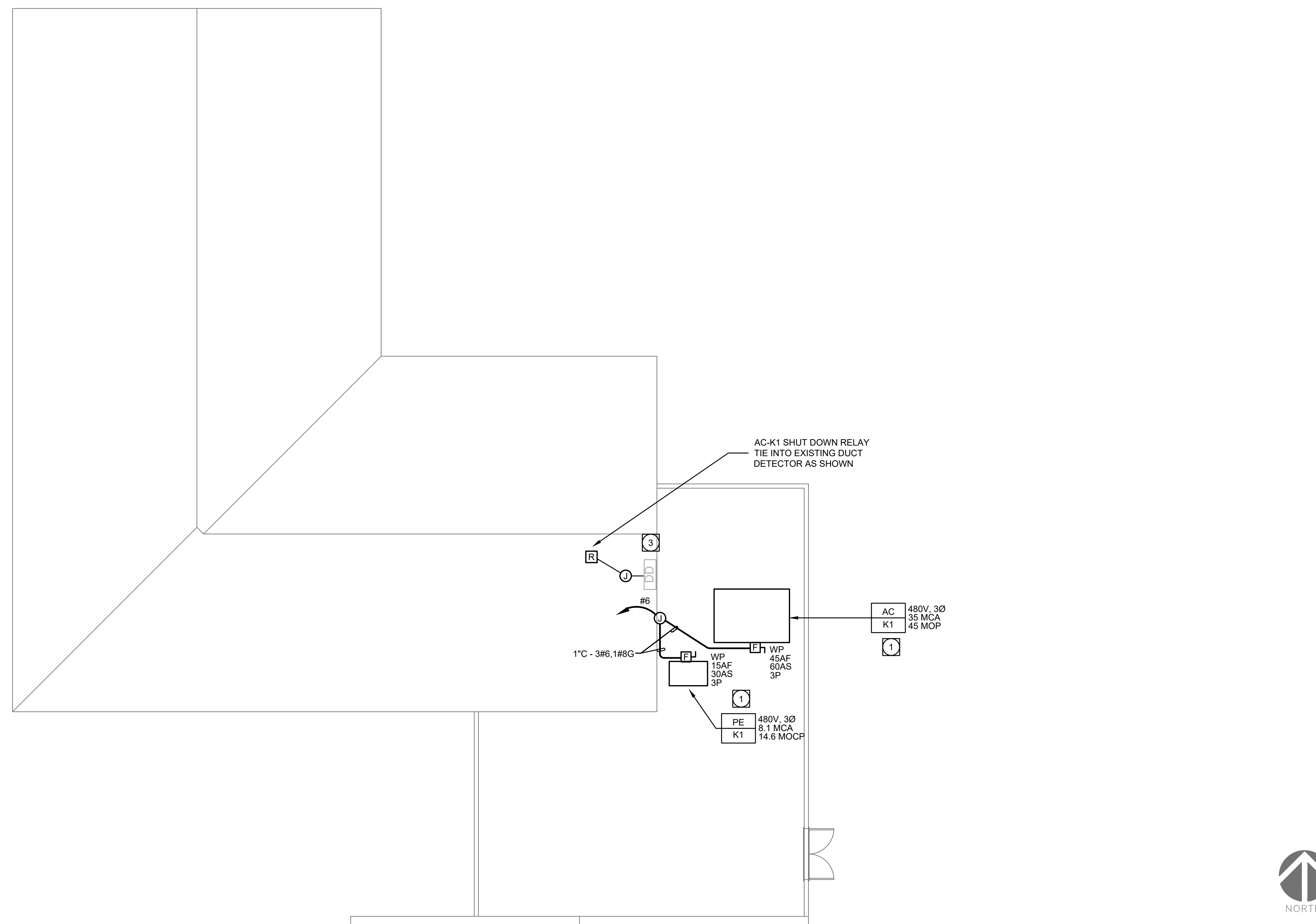
WD PROJ. # DRAWN BY: CHECKED DATE
DL, AM GM 03/14/23

© WESTGROUP DESIGNS, INC.



KEY PLAN





PLAN NOTES:

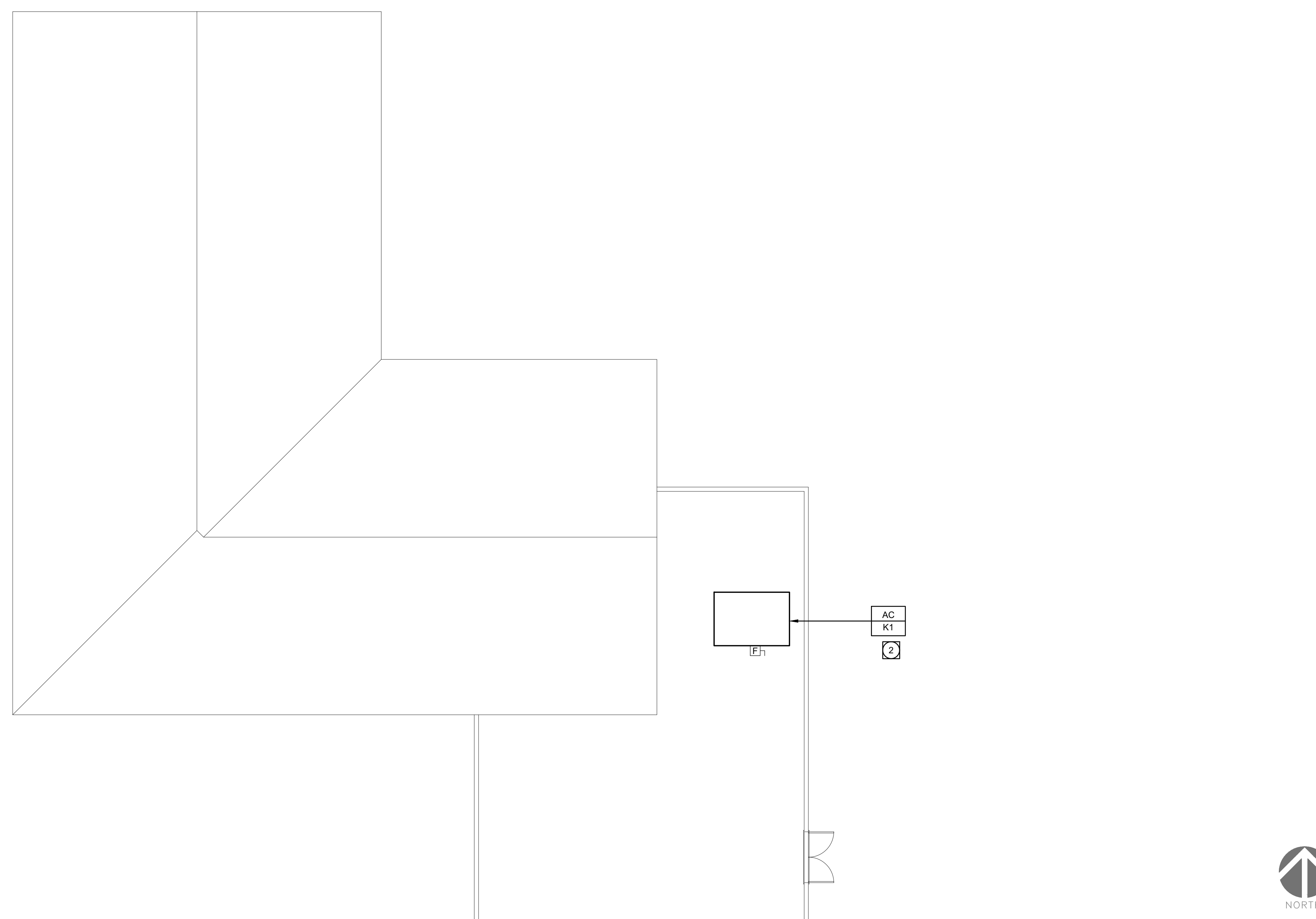
- 1 PROVIDE WP FUSED DISCONNECT SWITCH. RECONNECT UNIT TO EXISTING CIRCUIT.
- 2 DISCONNECT EXISTING UNIT. RECONNECT FUSED DISCONNECT AND PREPARE CIRCUITRY FOR REUSE.
- 3 FIELD VERIFY LOCATION OF DUCT DETECTOR.
- FRM-1
CSFM LISTING # 7300-0028.0219



ELECTRICAL IMPROVEMENT PLAN - BUILDING 300

1

1/8" = 1'-0"

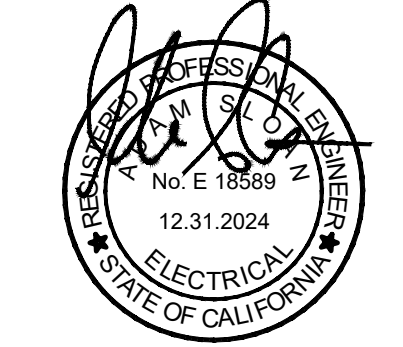
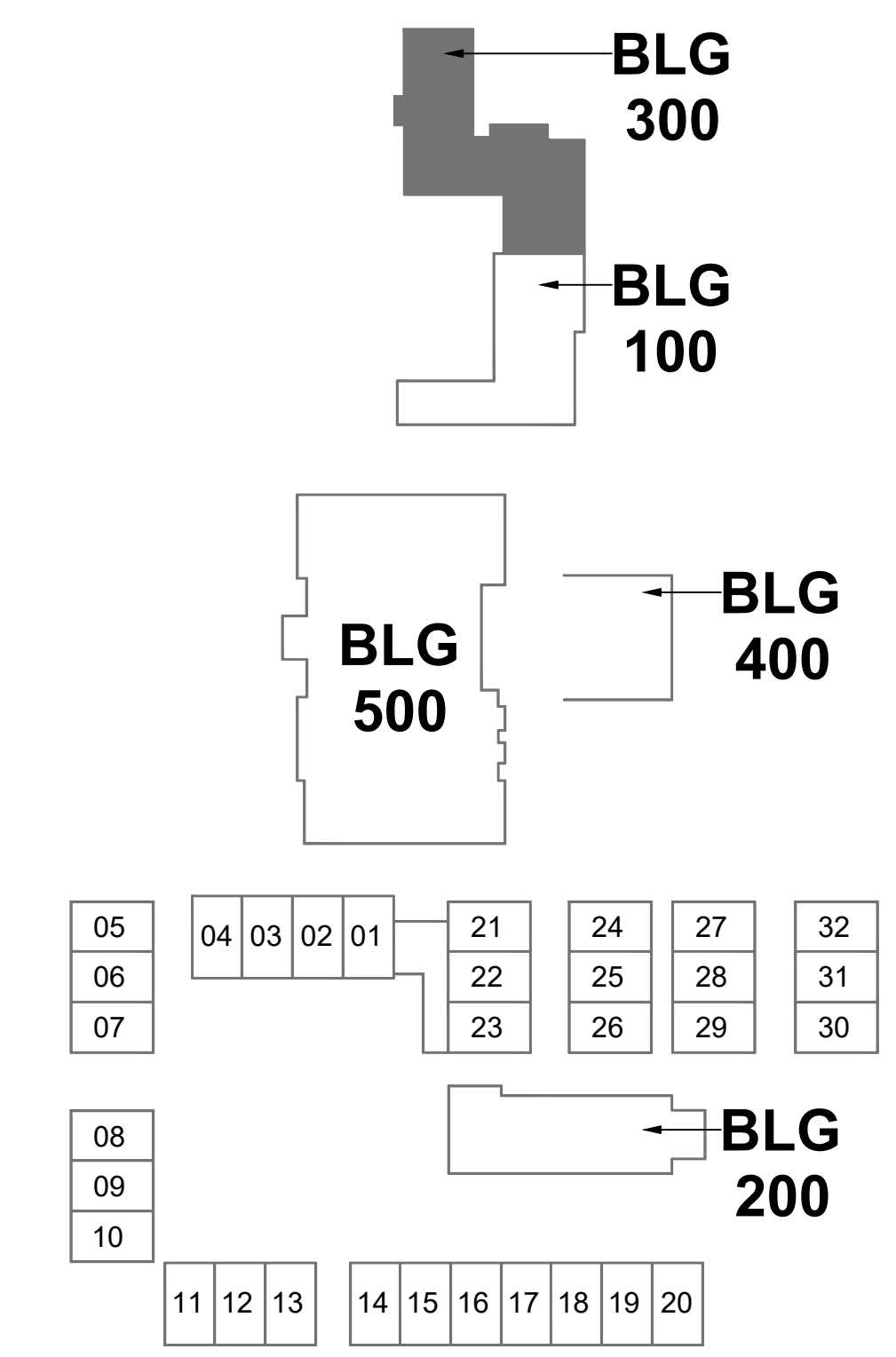


ELECTRICAL DEMOLITION PLAN - BUILDING 300

2

1/8" = 1'-0"

KEY PLAN



AG Design Inc.
Consulting Electrical Engineers
714.759.9900
www.AGDesignInc.com
200 W Orangewood Ave Suite 105 | Orange, CA 92668

DISCOVERY SCHOOL OF THE ARTS
VICTOR ELEMENTARY SCHOOL DISTRICT
13247 AMETHYST RD.
VICTORVILLE, CA 92395

ISSUED FOR:

Table with multiple empty rows for issuing information.

REVISIONS:

Table with multiple empty rows for revision details.

REGISTRATION/SIGNATURE:

SHEET TITLE:

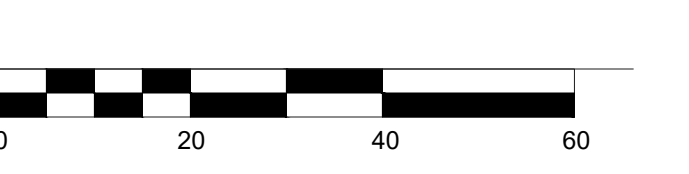
ENLARGED PLAN - BUILDING 300

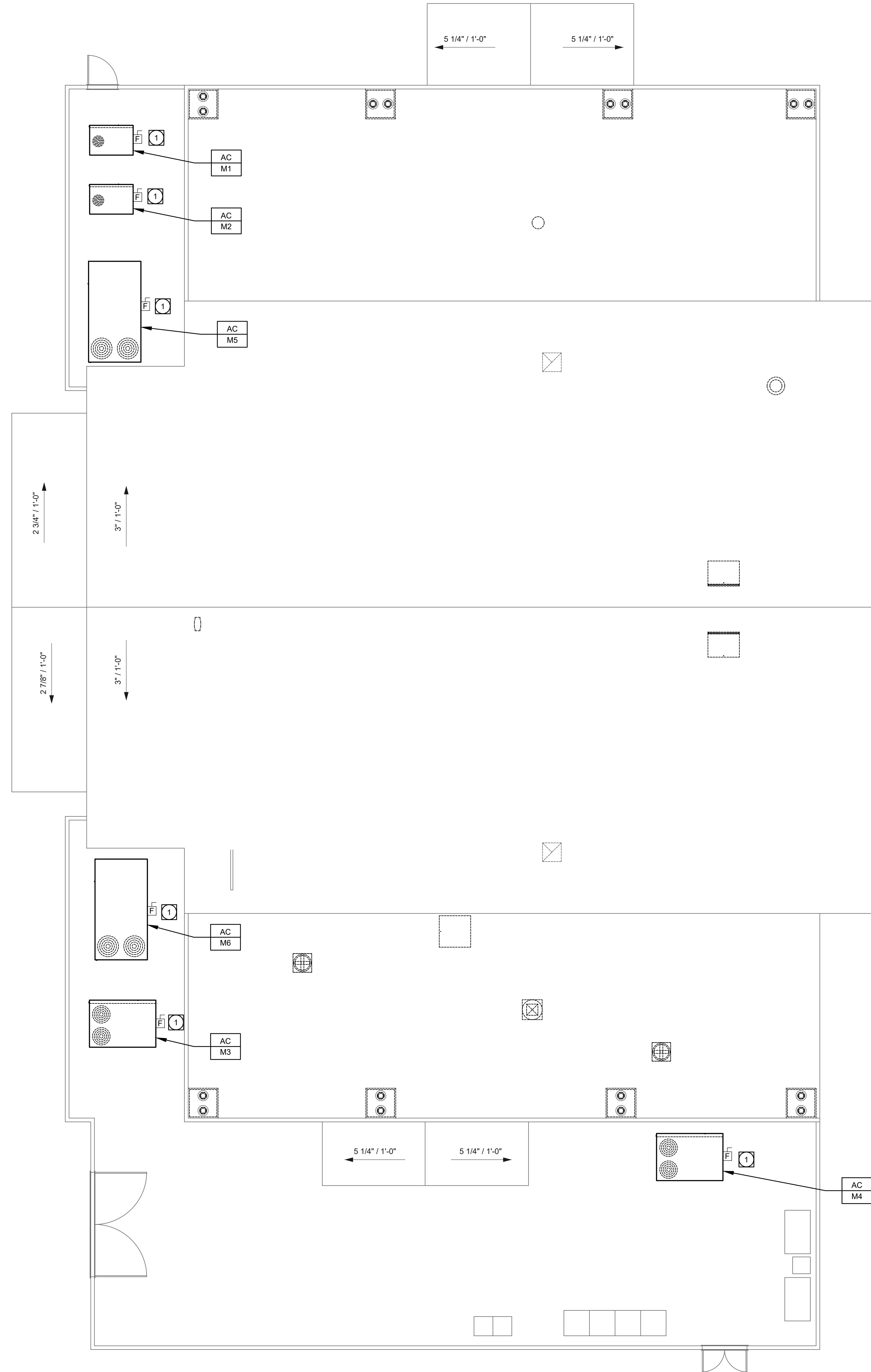
SHEET NUMBER:

E5-1.3

| | | | |
|------------|-----------|---------|----------|
| WD PROJ. # | DRAWN BY: | CHECKED | DATE |
| | DL, AM | GM | 03/14/23 |

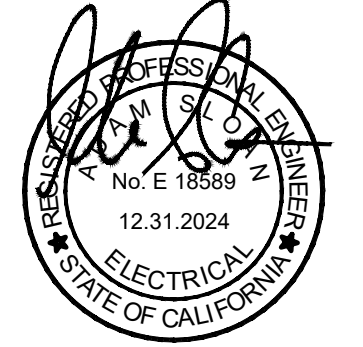
© WESTGROUP DESIGNS, INC.





- PLAN NOTES:**
- ① DISCONNECT EXISTING UNIT, RECONNECT FUSED DISCONNECT AND PREPARE CIRCUITRY FOR REUSE.

WD
**WESTGROUP
 DESIGNS**
 ARCHITECTURE | PLANNING | INTERIOR DESIGN
 19520 Jamboree Road | Suite 100
 Irvine | California | 92612
 949.250.0880 | FAX 949.250.0882
 www.westgroupdesigns.com



AG Design Inc.
 Consulting Electrical Engineers
 714.769.9900
 www.AGDesignInc.com
 2100 W Orangewood Ave Suite 105 | Orange, CA 92668

**DISCOVERY SCHOOL
 OF THE ARTS**

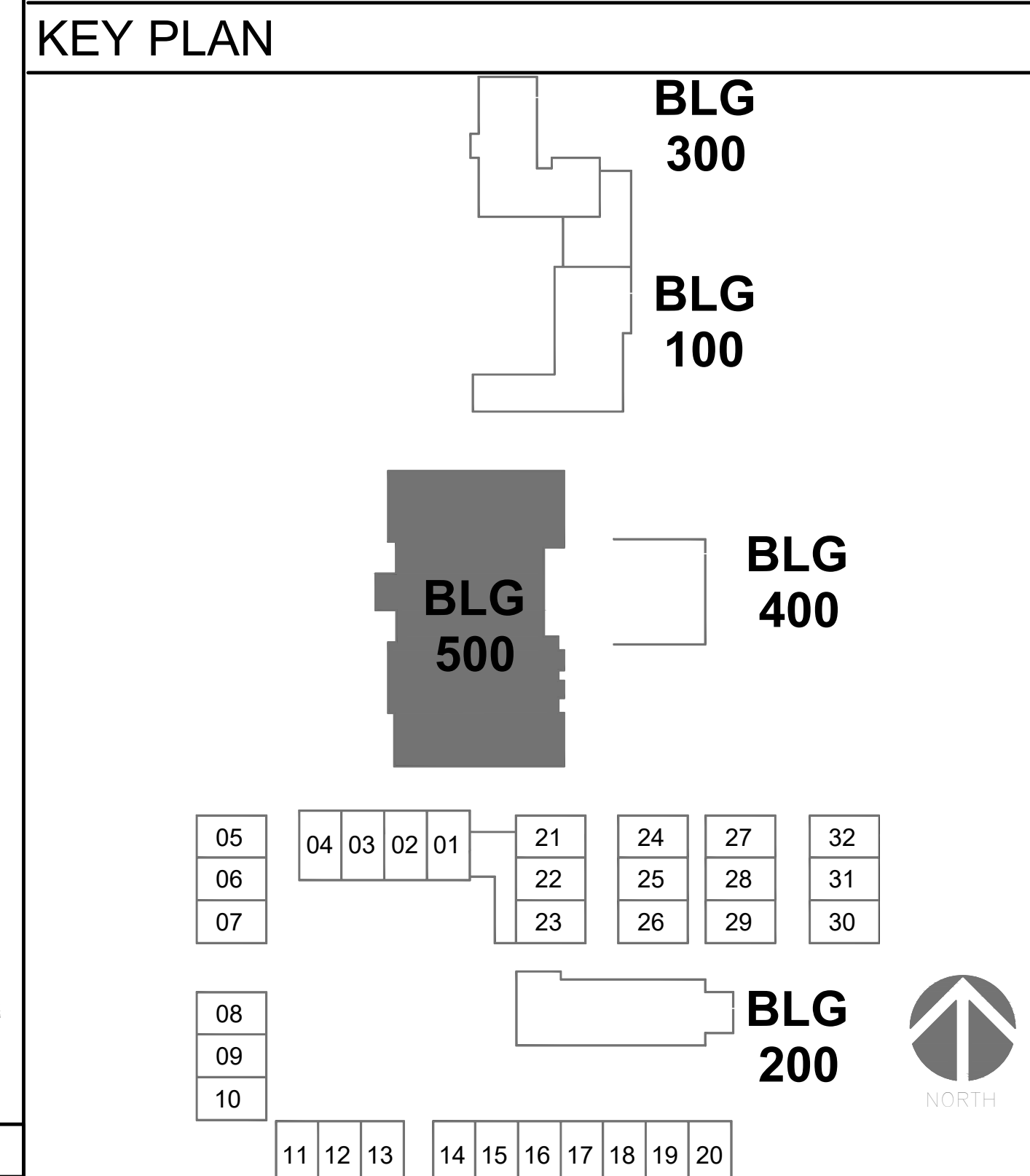
**VICTOR
 ELEMENTARY
 SCHOOL DISTRICT**
 13247 AMETHYST RD.
 VICTORVILLE, CA 92395

ISSUED FOR:

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

REVISIONS:

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



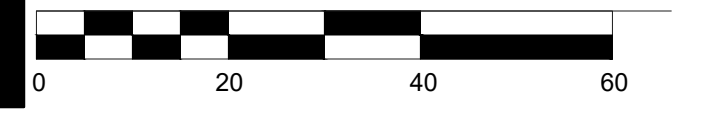
REGISTRATION/SIGNATURE:

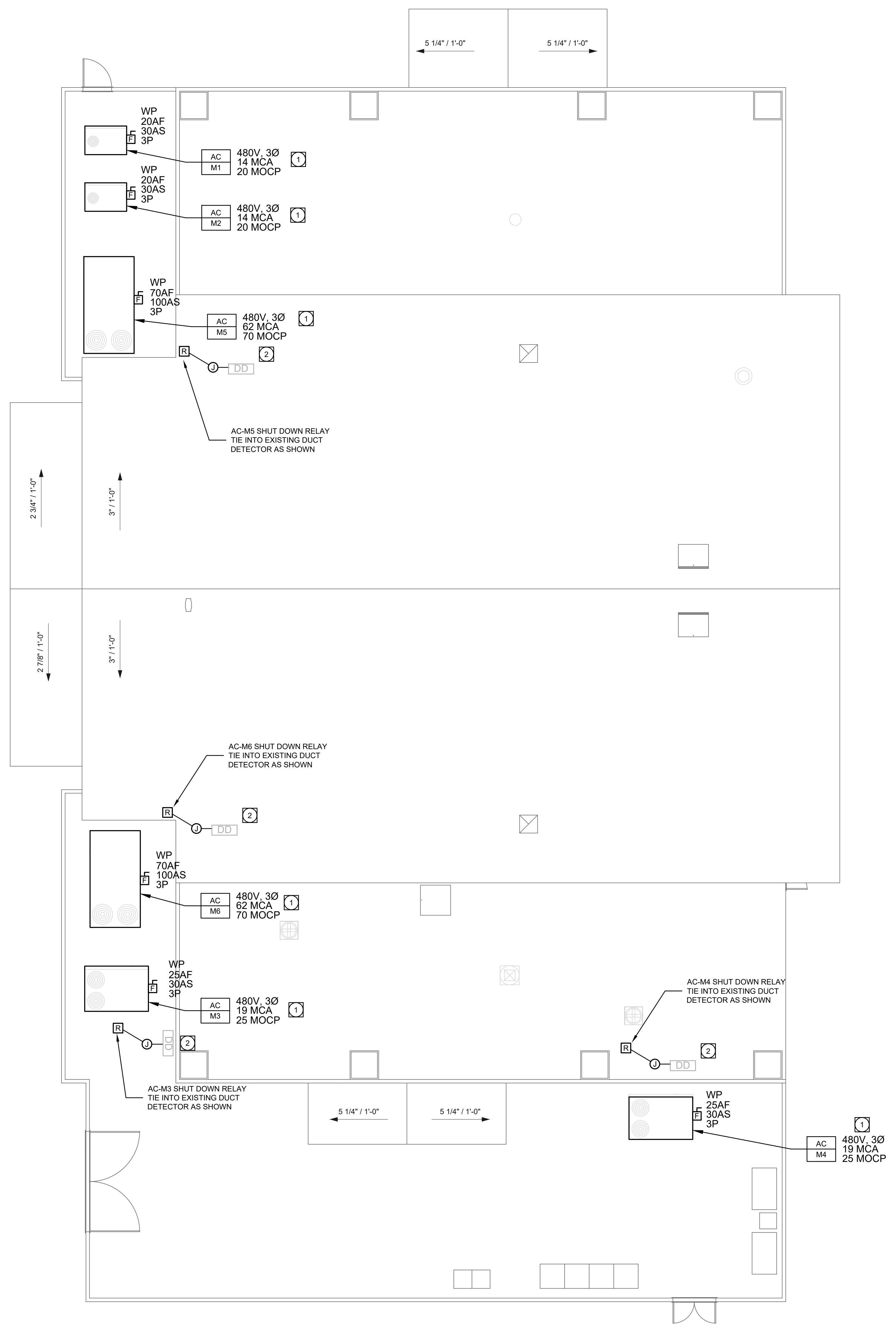
SHEET TITLE:
DEMOLITION PLAN - BUILDING 500

SHEET NUMBER:
E5-1.4

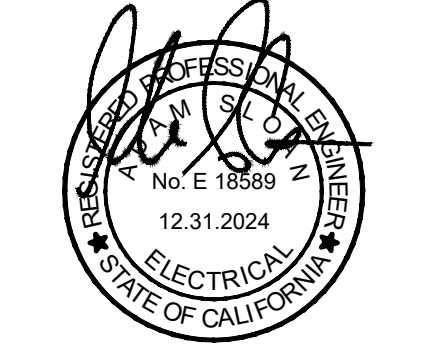
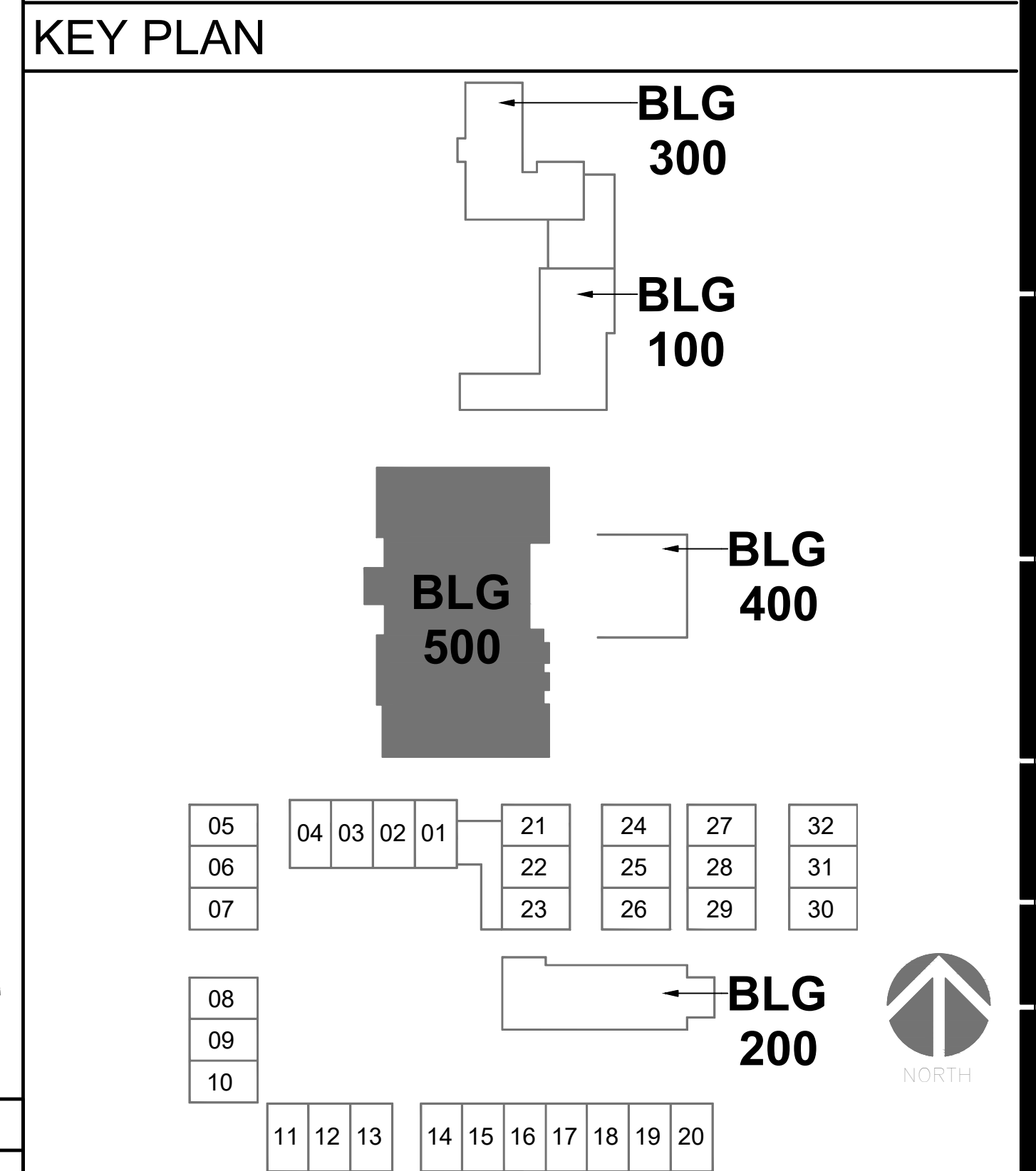
WD PROJ. # DRAWN BY: CHECKED DATE
 DL, AM GM 03/14/23

© WESTGROUP DESIGNS, INC.





- PLAN NOTES:**
- 1 PROVIDE WP FUSED DISCONNECT SWITCH, RECONNECT UNIT TO EXISTING CIRCUIT.
 - 2 FIELD VERIFY LOCATION OF DUCT DETECTOR.
 - R FRM-1 CSFM LISTING # 7300-0028-0219



DISCOVERY SCHOOL OF THE ARTS

VICTOR ELEMENTARY SCHOOL DISTRICT
 13247 AMETHYST RD.
 VICTORVILLE, CA 92395

ISSUED FOR:

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

REVISIONS:

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

REGISTRATION/SIGNATURE: _____

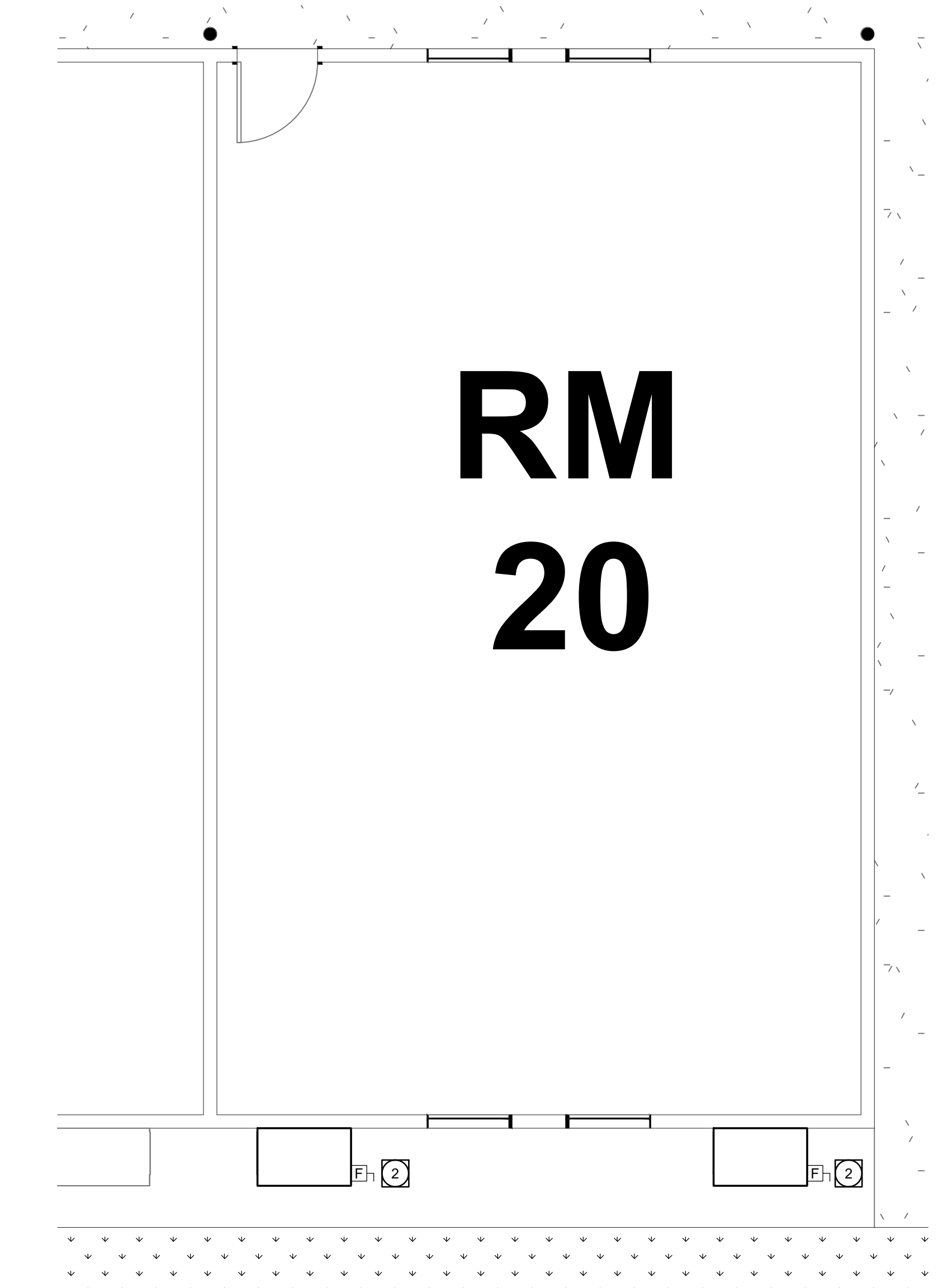
SHEET TITLE:
IMPROVEMENT PLAN - BUILDING 500

SHEET NUMBER:
E5-1.5

| | | | |
|------------|-----------|----------|----------|
| WD PROJ. # | DRAWN BY: | CHECKED: | DATE: |
| | DL, AM | GM | 03/14/23 |

© WESTGROUP DESIGNS, INC.



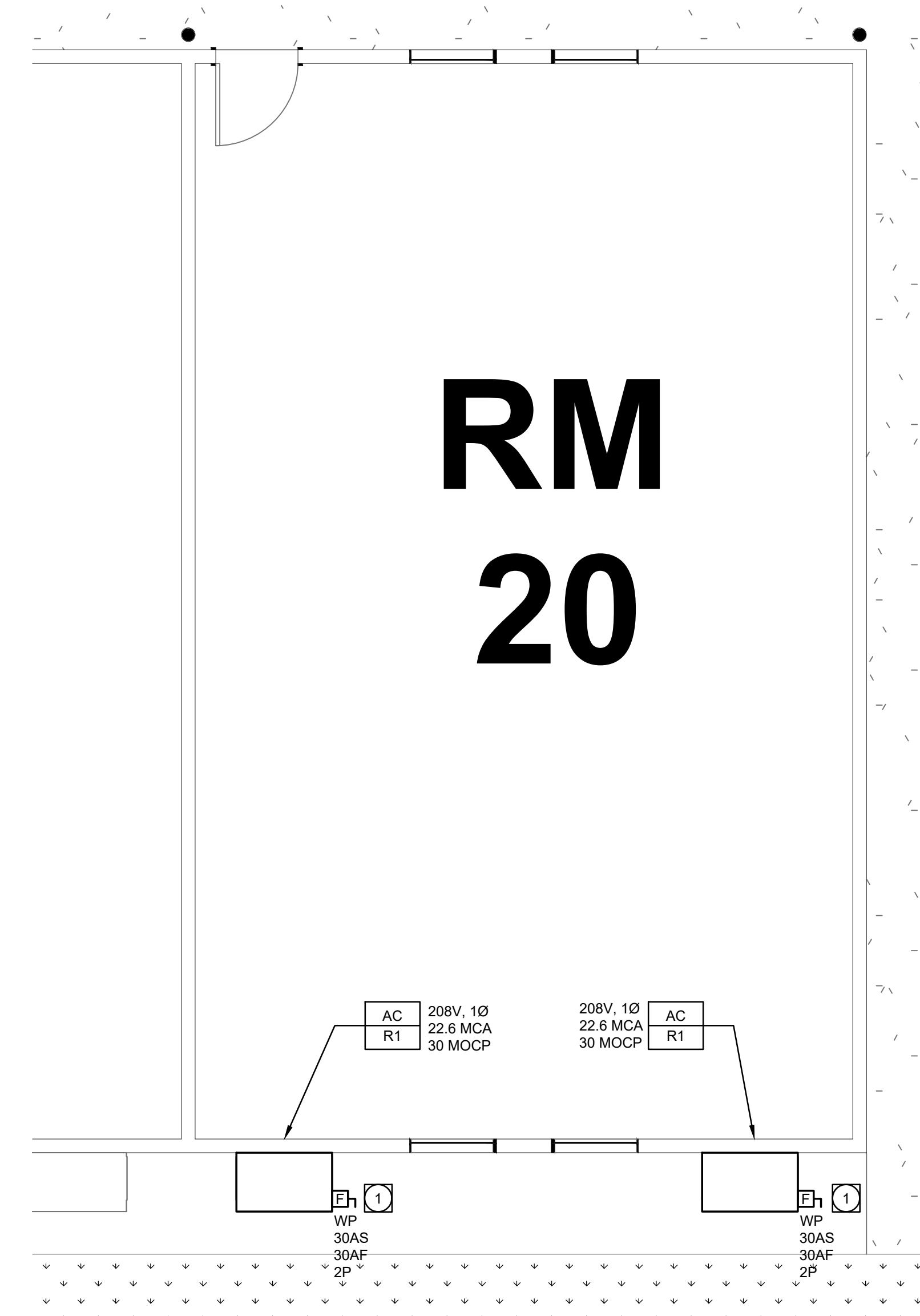


**RM
20**



ELECTRICAL DEMOLITION FLOOR PLAN - RELOCATABLE (DOUBLE UNIT)

4
1/4" = 1'-0"



**RM
20**

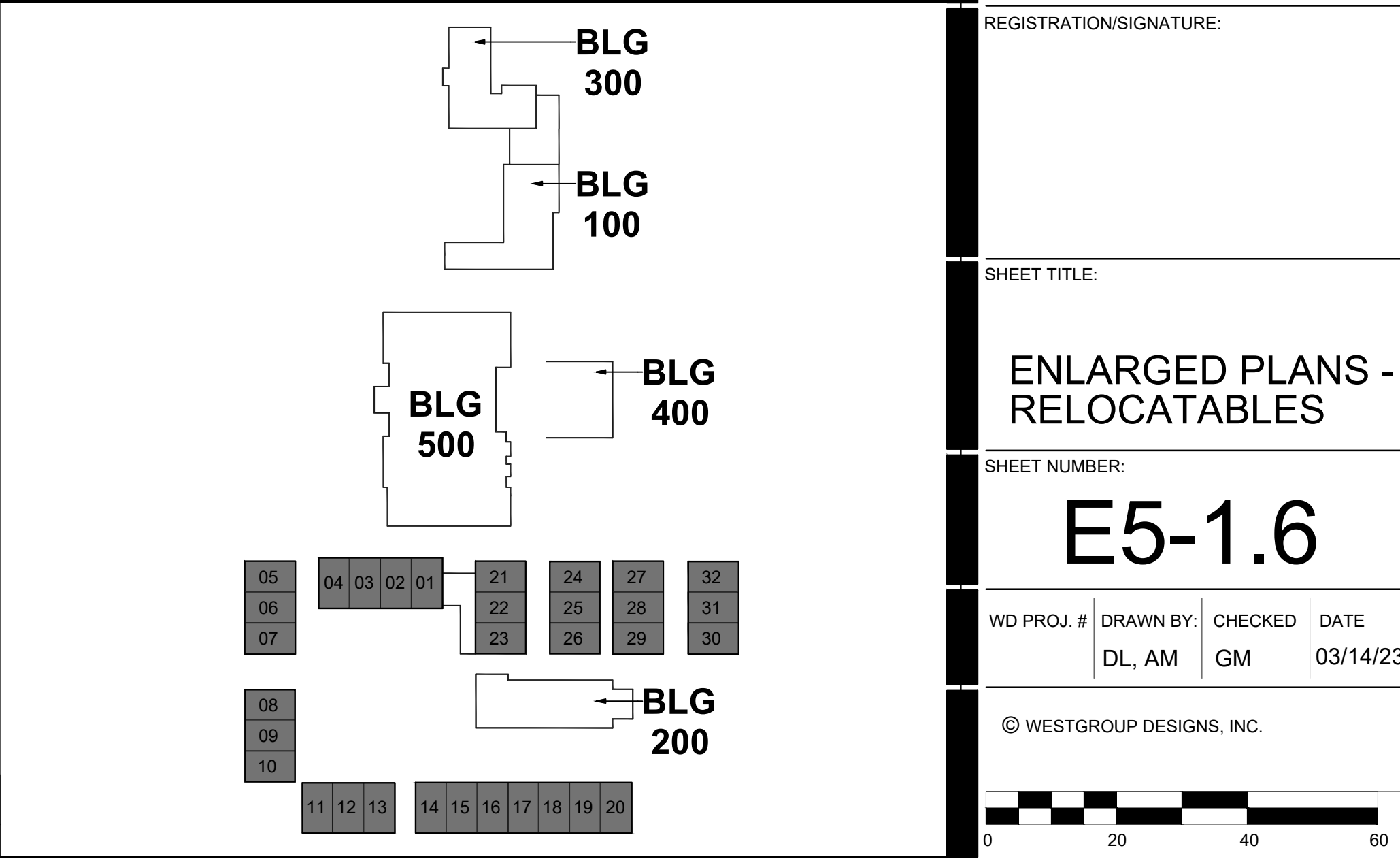


ELECTRICAL RENOVATION FLOOR PLAN - RELOCATABLE (DOUBLE UNIT)

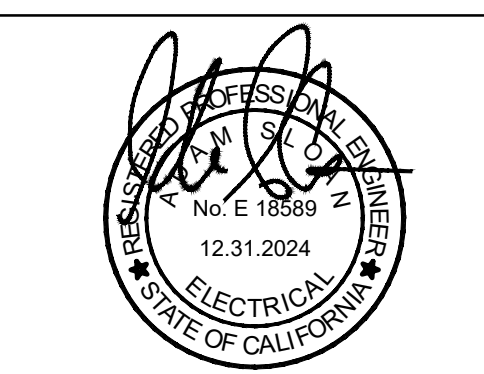
3
1/4" = 1'-0"

- PLAN NOTE:**
- 1 PROVIDE WP FUSED DISCONNECT SWITCH, RECONNECT UNIT TO EXISTING CIRCUIT.
 - 2 DISCONNECT EXISTING UNIT, RECONNECT FUSED DISCONNECT AND PREPARE CIRCUITRY FOR REUSE.

KEY PLAN



WD
WESTGROUP
DESIGNS
 ARCHITECTURE | PLANNING | INTERIOR DESIGN
 19520 Jamboree Road | Suite 100
 Irvine | California | 92612
 949.250.0880 | FAX 949.250.0882
 www.westgroupdesigns.com



AG Design Inc.
 Consulting Electrical Engineers
 714.769.9900
 www.AGDesignInc.com
 200 W. Orangewood Ave Suite 105 | Orange, CA 92668

**DISCOVERY SCHOOL
OF THE ARTS**

**VICTOR
ELEMENTARY
SCHOOL DISTRICT**
 13247 AMETHYST RD.
 VICTORVILLE, CA 92395

ISSUED FOR:

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

REVISIONS:

| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

REGISTRATION/SIGNATURE:

SHEET TITLE:

**ENLARGED PLANS -
RELOCATABLES**

SHEET NUMBER:

E5-1.6

| | | | |
|------------|-----------|---------|----------|
| WD PROJ. # | DRAWN BY: | CHECKED | DATE |
| | DL, AM | GM | 03/14/23 |

© WESTGROUP DESIGNS, INC.