LOS RIOS COMMUNITY COLLEGE DISTRICT

1919 Spanos Court, Sacramento, CA 95825 Phone (916) 568-3071 FAX (916) 568-3145 Purchasing Department

Sacramento City College American River College Cosumnes River College Folsom Lake College

ADDENDUM NO.

ISSUE DATE: AUGUST 15, 2019

ARC BOILER REPLACEMENT PHASE 2 LRCCD BID NO. 19027

Issued By:

LOS RIOS COMMUNITY COLLEGE DISTRICT 1919 Spanos Court, Sacramento, CA 95825 Phone (916) 568-3071 Fax (916) 568-3145

This addendum forms a part to the Contract Documents. The addendum items supersede and supplement all portions of the bidding documents with which it conflicts. All workmanship, materials, appliances and equipment which may be included in the following addendum items shall be of the same relative quality as described for similar work set forth in the general or main specifications of which these addendum items shall be considered a part.

This Addendum has been acknowledged in the space provided on the Bid Form and is considered part of the bid documents.

This Addendum consists of 6 pages.

- RFI #1: Can a "B" General Building Contractor and a "C-4" Boiler, Hot Water Heating and Steam Fitting Contractor be acceptable?
- RESPONSE #1: Refer to revised "Notice to Contractors" "page 1 of 39" attached
- Remove & replace Project Manual Pages: "Page 1 of 39", "Notice to Contractors", and "Page 13 of 39", "Contractor Qualifications" attached
- Remove & Replace sheets M0.1, M1.1 & M2.2 attached

END OF SECTION.

NOTICE TO CONTRACTORS

ARC Boiler Replacement Phase 2 Bid # 19027

Notice is hereby given that the Board of Trustees of the Los Rios Community College District (District) will receive sealed bids for a lump sum contract according to the specifications prepared for Los Rios Community College District and described in general as: Boiler Replacement Phase 2 ARC – Bid # 19027.

The work shall consist of, but not limited to remove existing boilers B-2 and B-3. Remove existing boiler pumps B-2, B-3, C-2 and C-3. Remove all associated piping and controls. Install District provided new boiler (B-3), provide and install infrastructure for future boiler B-2. Provide and install new pumps HWP-3, HWP-4 and HWP-5, new air separator, new 12 inch hot water piping loop and associated piping for the new pumps, gas and drain piping as required and all associated work shown in the contract documents.

Additional Project Requirements - Coordinate all work to insure that Boiler #1 shall be fully operational not later than October 18th, 2019.

APN# 28500900260000.

The Contractor shall include in the bid all labor, tools, transportation, equipment, services, incidentals, taxes and materials for a complete and working project in conformance with the Contract Documents.

The estimated construction cost of this project is \$400,000. The time allowed for completion is 90 calendar days from the Notice to Proceed.

Work to be performed under the Contract Documents requires a California State License Board "A" General Engineering Contractor, or "C-4" Boiler, Hot Water Heating and Steam Fitting Contractor license. Effective July 1, 2014, all contractors and subcontractors who intend to bid on or perform work on public works projects must register and pay a fee to the Department of Industrial Relations pursuant to Labor Code section 1725.5 and provide evidence of registration for contract award. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

A pre-bid project conference is scheduled for **Wednesday**, **August 14**, **2019**, **8:30 AM**. Attendance at the pre-bid conference is strongly recommended, as it may be the only opportunity for bidders to review the bidding documents with the Consultants and District. All interested parties should report to the **Campus Police** to obtain a temporary parking pass and directions to the job walk location, **American River College**, **4700 College Oak Drive**, **Sacramento**, **CA 95841**.

Bids must be received at the Los Rios Community College District Facilities Management Office during the business hours of 8:00 AM through 4:30 PM, Monday through Friday, holidays excepted.

US Mail
TO: LRCCD Board of Trustees
Attn: Purchasing Dept.
3753 Bradview Drive

Hand Delivered TO: LRCCD Board of Trustees Attn: Purchasing Dept. 3753 Bradview Drive

REV: 8/15/19

CONTRACTOR QUALIFICATIONS

This form must be completed, signed by bidder, and submitted to Los Rios Community College District along with bidder's bid. Failure to complete, sign and submit with bidder's bid may result in bidder's bid being rejected as not responsive.

Los Rios Community College District has determined that bidders must meet the following minimum qualifications to bid the work of improvement contemplated herein:

- 1. Has possessed a valid, active and in good standing with the State Contractor's License Board, "A" General Engineering Contractor, or "C-4" Boiler, Hot Water Heating and Steam Fitting Contractor license for a minimum of 5 years, which has been held by the bidding contractor for a minimum of the five consecutive years immediately preceding the bid opening.
- 2. Have completed to the owner's satisfaction, no less than 3 projects as a California licensed contractor performing construction work of the type required under this bid, 2 of which must have an original contract price of no less than \$340,000 within the past five years prior to the date of bid opening
- 3. Currently (as of the date of bid opening) or within the preceding three years, not have any adverse final disciplinary actions by the Contractor's State License Board, suspensions, disbarments, or similar proceedings (including stipulated agreements), restricting, limiting or prohibiting bidder from bidding or performing other contracts for any other public agency.
- 4. Currently (as of the date of bid opening), have registered and paid the fee to the Department of Industrial Relations pursuant to Labor Code section 1725.5.
- 5. If this contract is for goods or services of one million dollars or more (\$1,000,000), bidder is not identified on the list created pursuant to Public Contract Code section 2203, subdivision (b), as a person engaged in investment activities in Iran as described in Public Contract Code section 2202.5.

| I, being the | (insert title, must be an officer of bidder) | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| bidder herein, declare under penalty of perjury under the l | laws of the State of California, that bidder meets | | | | | | | |
| all of the minimum criteria set forth above. | | | | | | | | |
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| Signature | | | | | | | | |
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| Date | | | | | | | | |

COMPLIANCE NOTES

MECHANICAL AND PLUMBING EQUIPMENT SHALL CONFORM TO THE FOLLOWING AS STATED IN THE ENERGY EFFICIENCY STANDARDS, 2016.

- 1. BE CERTIFIED BY THE MANUFACTURER AS COMPLYING WITH THE EFFICIENCY REQUIREMENTS AS PRESCRIBED IN SECTIONS:
- 111. APPLIANCES REGULATED BY THE APPLIANCE EFFICIENCY STANDARDS:
- 112. HVAC EQUIPMENT EFFICIENCY AND PACKAGED CONTROLS: 113. SERVICE WATER HEATING EFFICIENCY AND CONTROLS:
- 114. POOL AND SPA HEATING EFFICIENCY AND CONTROLS: 115. RESTRICTIONS ON PILOT LIGHTS:
- 2. BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH SECTIONS.
- 121. REQUIREMENTS FOR VENTILATION:
- 122. REQUIRED CONTROLS FOR HVAC SYSTEMS:
- 123. REQUIREMENTS FOR PIPE INSULATION: 124. REQUIREMENTS FOR DUCT INSULATION:

| AIR SEPARATOR SCHEDULE | | | | | | | | | | |
|------------------------|--------------|-------|-------------------------|------|------|-------|-------------|--------|------------------|--|
| SYMBOL | MANUFACTURER | MODEL | SYSTEM | SIZE | GPM | DRAIN | AIR VENT | WEIGHT | REMARKS | |
| AS 1 | BELL&GOSSETT | R-12 | HEATING HOT WATER | 12" | 2100 | 2"NPT | 2"NPT | 1200 | FLOOR MOUNTED | |

| | PUMP SCHEDULE | | | | | | | | | | | | | |
|----------|---------------|----------------|------------------------|-------------------------------|------|----------------------|----|--------------|----------|----|------|--------------------|--------------------------|---|
| SYN | /BOL | MANUFACTURER | MODEL | PUMP TYPE | GPM | TOTAL HEAD FT H20 | HP | MOT VOLTS | OR PH | HZ | RPM | NPSH (FT. HEAD) | OPERATING WEIGHT LBS. | REMARKS |
| PHASE I | WP 1 | BELL & GOSSETT | SERIES 80C 6x6x7 | IN LINE VERTICAL | 590 | 35 | 7½ | 460 | 3ø | 60 | 1750 | 6.5 | 465 | PRIMARY BOILER HEATING WATER CIRCULATION. |
| | WP 2 | BELL & GOSSETT | SERIES 80C 6x6x7 | IN LINE VERTICAL | 590 | 35 | 7½ | 460 | 3ø | 60 | 1750 | 6.5 | 465 | PRIMARY BOILER HEATING WATER CIRCULATION. |
| | WP 3 | BELL & GOSSETT | SERIES 80C 6x6x7 | IN LINE VERTICAL | 590 | 35 | 7½ | 460 | 3ø | 60 | 1750 | 6.5 | 465 | PRIMARY BOILER HEATING WATER CIRCULATION. |
| | WP 4 | BELL & GOSSETT | SERIES 1510 | BASE MOUNTED HORIZONTAL | 1770 | 50 | 30 | 460 | 3ø | 60 | 1180 | 12.3 | 1350 | SECONDARY HEATING WATER. |
| PHASE II | WP 5 | BELL & GOSSETT | SERIES 1510 | BASE MOUNTED HORIZONTAL | 1770 | 50 | 30 | 460 | 3ø | 60 | 1180 | 12.3 | 1350 | SECONDARY HEATING WATER. |

| | BOILER SCHEDULE | | | | | | | | | | | | | | | | | | | |
|----------|---|--------------|------------------------|---------------|--------------|-----|-----|-----|-----------------|------------|-------|--------|----|------|-------|--------|----|------|-------------|--|
| | SYMBOL | MANUFACTURER | MODEL | MBH INPUT | MBH | EWT | LWT | GPM | WPD FT. HEAD | THERMAL | | TRICAL | CO | NTOL | | TRICAL | | OWER | OPERATING | REMARKS |
| | | | | (NATURAL GAS) | OUTPUT | °F | *F | O | FT. HEAD | EFFICIENCY | VOLTS | PH | HZ | FLA | VOLTS | PH | HZ | FLA | WEIGHT LBS. | 1.2.17 |
| PHASE I | (E) B | BRYAN | HE-RV-700- W-FDX-LX | 7,000 MBH | 5,950 MBH | 160 | 180 | 590 | 6.0 | 85% | 115 | 1ø | 60 | 6.0 | 460 | 3ø | 60 | 8.6 | 14,250 | |
| FUTURE | $\left(\begin{array}{c} B\\ 2\end{array}\right)$ | BRYAN | HE-RV-700- W-FDX-LX | 7,000 MBH | 5,950 MBH | 160 | 180 | 590 | 6.0 | 85% | 115 | 1ø | 60 | 6.0 | 460 | 3ø | 60 | 8.6 | 14,250 | PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. |
| PHASE II | $\left(\begin{array}{c} B\\ 3 \end{array}\right)$ | BRYAN | HE-RV-700- W-FDX-LX | 7,000 MBH | 5,950 MBH | 160 | 180 | 590 | 6.0 | 85% | 115 | 1ø | 60 | 6.0 | 460 | 3ø | 60 | 8.6 | 14,250 | PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. |

CODES AND CALIFORNIA CODE FACTORY INSTALLED RWF55 P.I.D. MODULATION FOR MODBUS COMMUNICATION WITH RS485 CONNECTION.

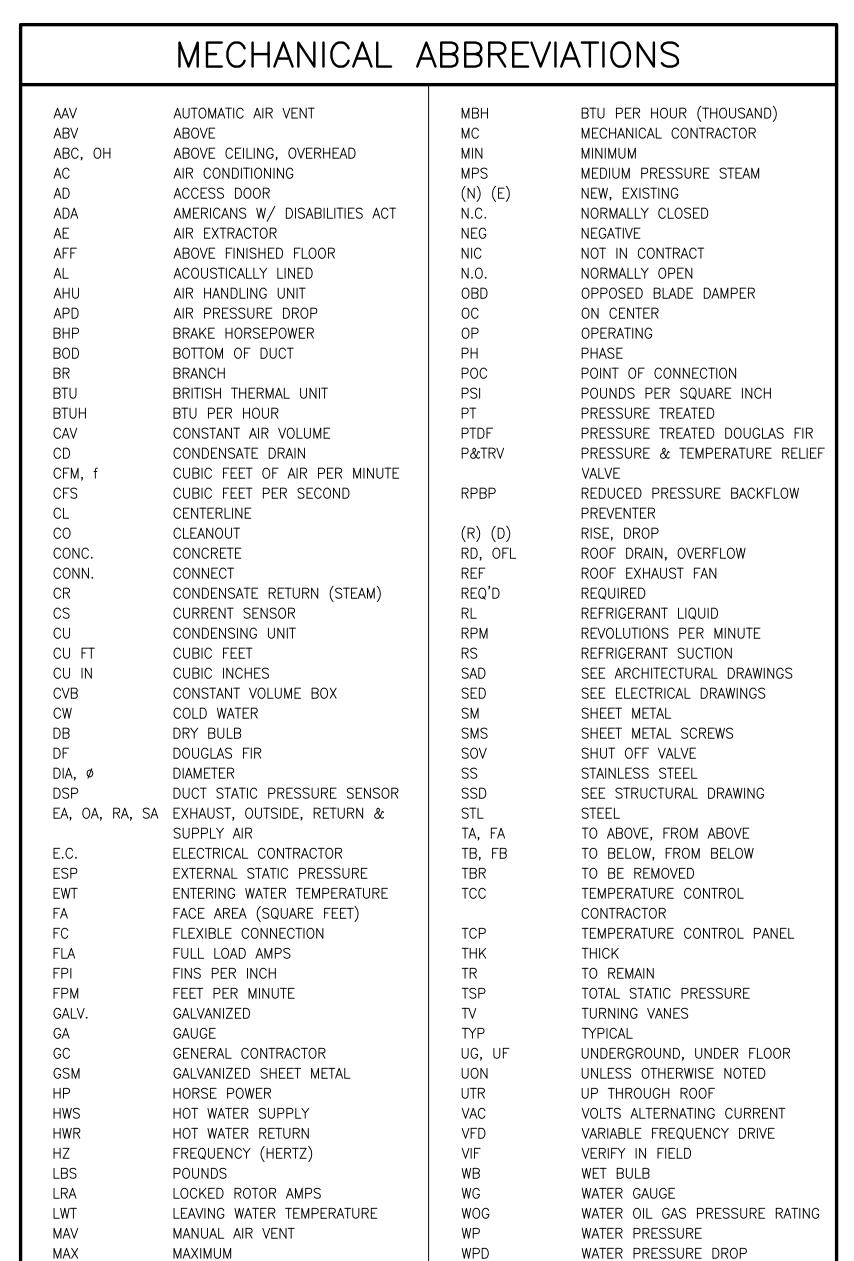
PROVIDE: 1. MANUFACTURED IN ACCORDANCE W/ ASME HEATING BOILER CODE, SECTION IV. 80 PSI WORKING PRESSURE. FULL MODULATION. SUB 9 PPM LOW NOX BURNER CONTROLS, UL/FM/CSD-1

MAX

MAXIMUM

| | VFD SCHEDULE | | | | | | | | | | | |
|--------|--------------|--------------------------|--------|----|-------|---------------|---------|-----|--------------------------|---|--|--|
| SYMBOL | SERVES | MANUFACTURER OR EQUAL | MODEL | HP | VOLTS | CTRICAL PH | - HZ | FLA | OPERATING WEIGHT LBS. | REMARKS | | |
| VFD 1 | HWP-4 | ABB | ACH550 | 30 | 460 | 3 | 60 | 38 | 45 | DRIVE WITH DISCONNECT AND E-BYPASS, CONTROLS: (BACNET/IP CARDS) GROUND FAULT PROTECTION | | |
| VFD 2 | HWP-5 | ABB | ACH550 | 30 | 460 | 3 | 60 | 38 | 45 | DRIVE WITH DISCONNECT AND E-BYPASS, CONTROLS: BACNET/IP CARDS GROUND FAULT PROTECTION | | |

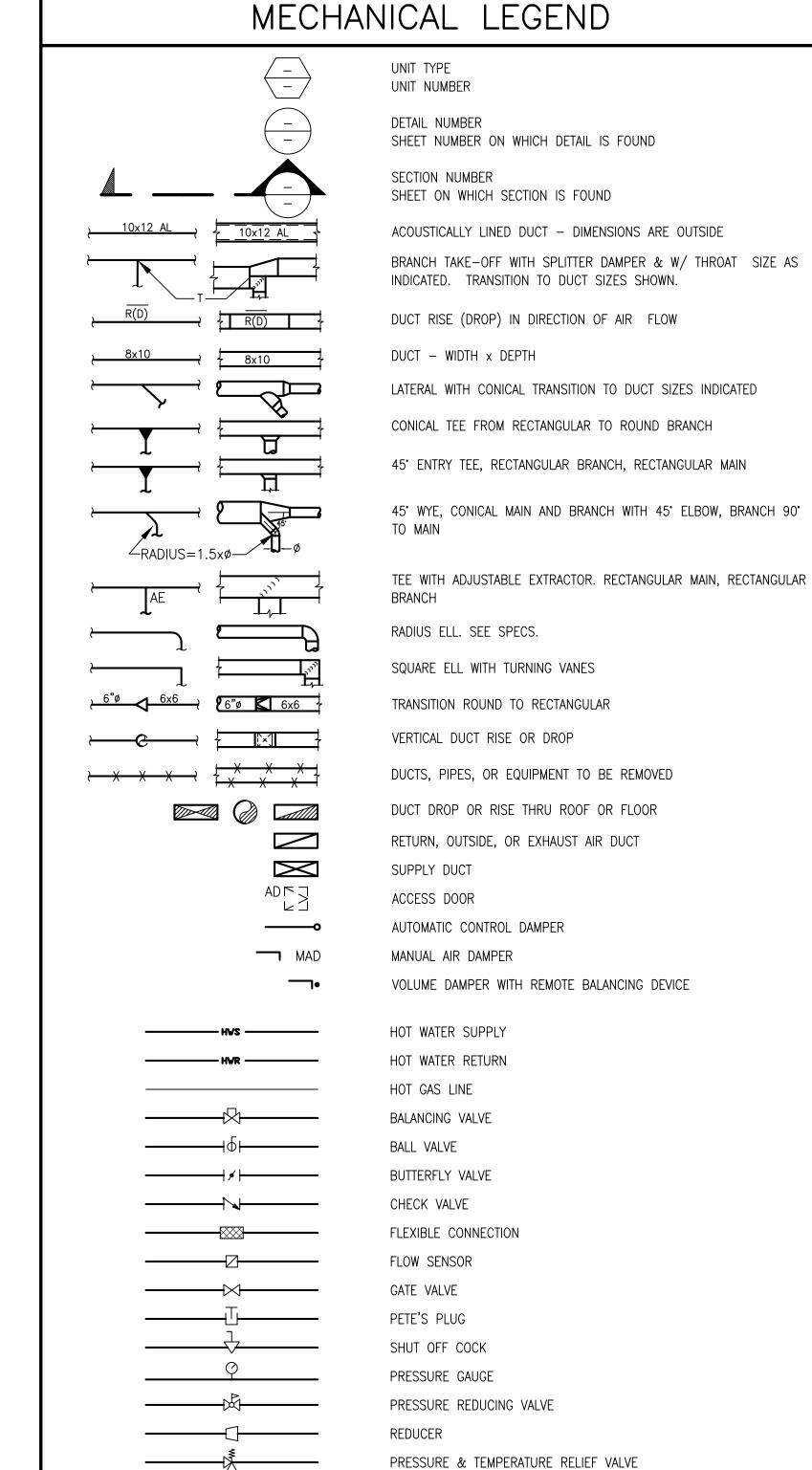
REPLACE (E) XL500 CONTROLLER WITH CPO-6A CONTROLLERS.



WATER PRESSURE DROP

WATERTIGHT, AIRTIGHT

WT, AT



SHUT OFF VALVE

SOLENOID VALVE

THERMOMETER

TWO WAY CONTROL VALVE

THREE WAY CONTROL VALVE

STRAINER & DRAIN VALVE WITH HOSE FITTING

SIGHT GLASS

STRAINER

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 02-117264 AC____ FLS ____ SS____ DATE _____ ECHANICAL NGINEERIN(ROUP, INC. (916) 325-106?

M N M

₩ø. M030446 Exp. 12/31/19

CONSULTANTS:

SHEET TITLE:

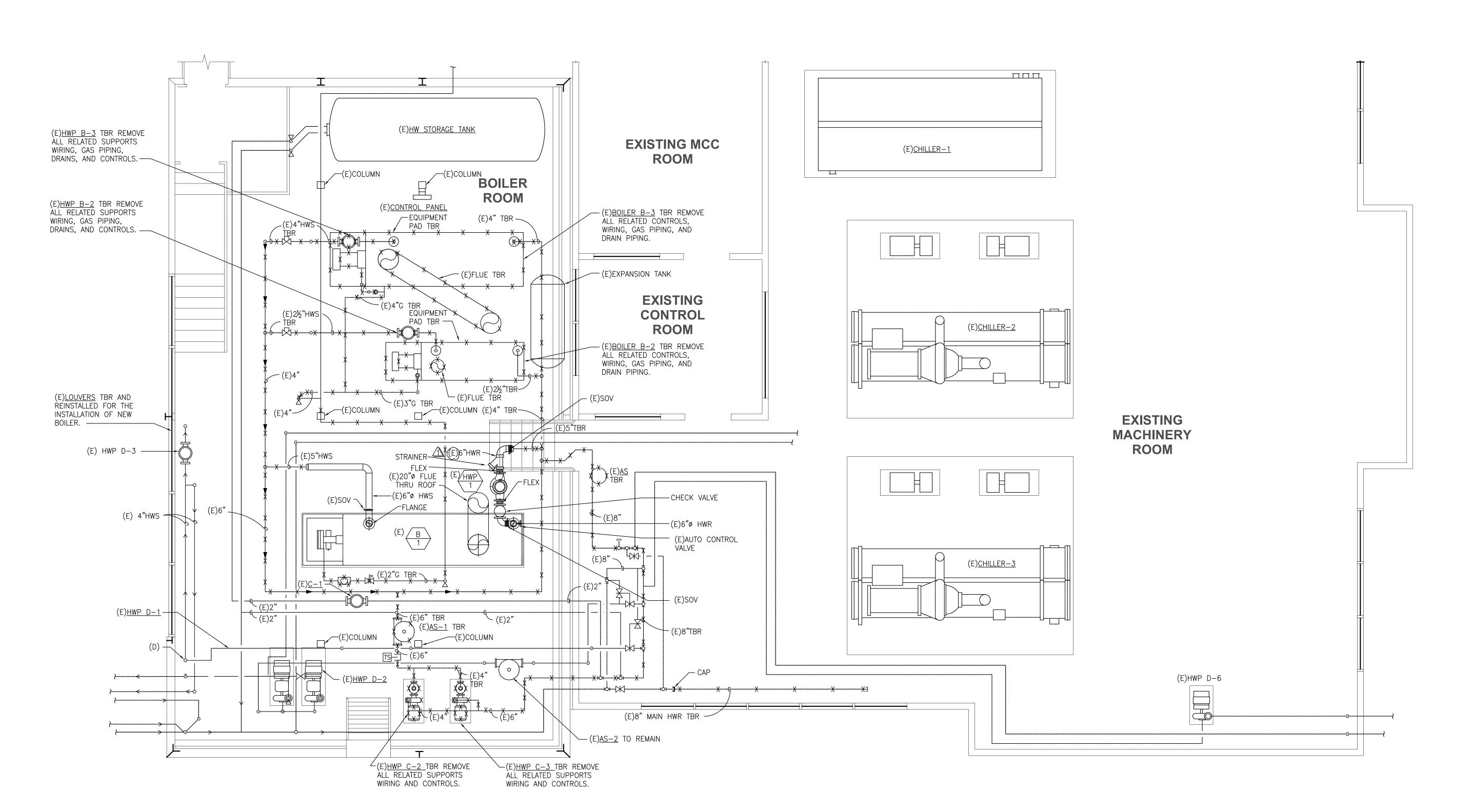
MECHANICAL LEGEND, **SCHEDULES** AND NOTES

| NO. | REVISIONS | DATE | BY | | | | | | |
|---------------|-------------|----------|----|--|--|--|--|--|--|
| 1 | ADDENDUM 01 | 08/07/19 | | | | | | | |
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| SHEET NUMBER: | | | | | | | | | |

Project Engineer: BP Job Number: 17178

Project Manager: BP Plot Date: Aug 07, 2019 - 4:37pm

Project Drafter: DC Login: zheriman







IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 02-117264 AC____ FLS ____ SS____



CONSULTANTS:

AMERICAN RIVER COLLEGE

BOILER REPLACEMENT - PHASE II

4700 COLLEGE OAK DRIVE
SACRAMENTO, CA
95841

SHEET TITLE:

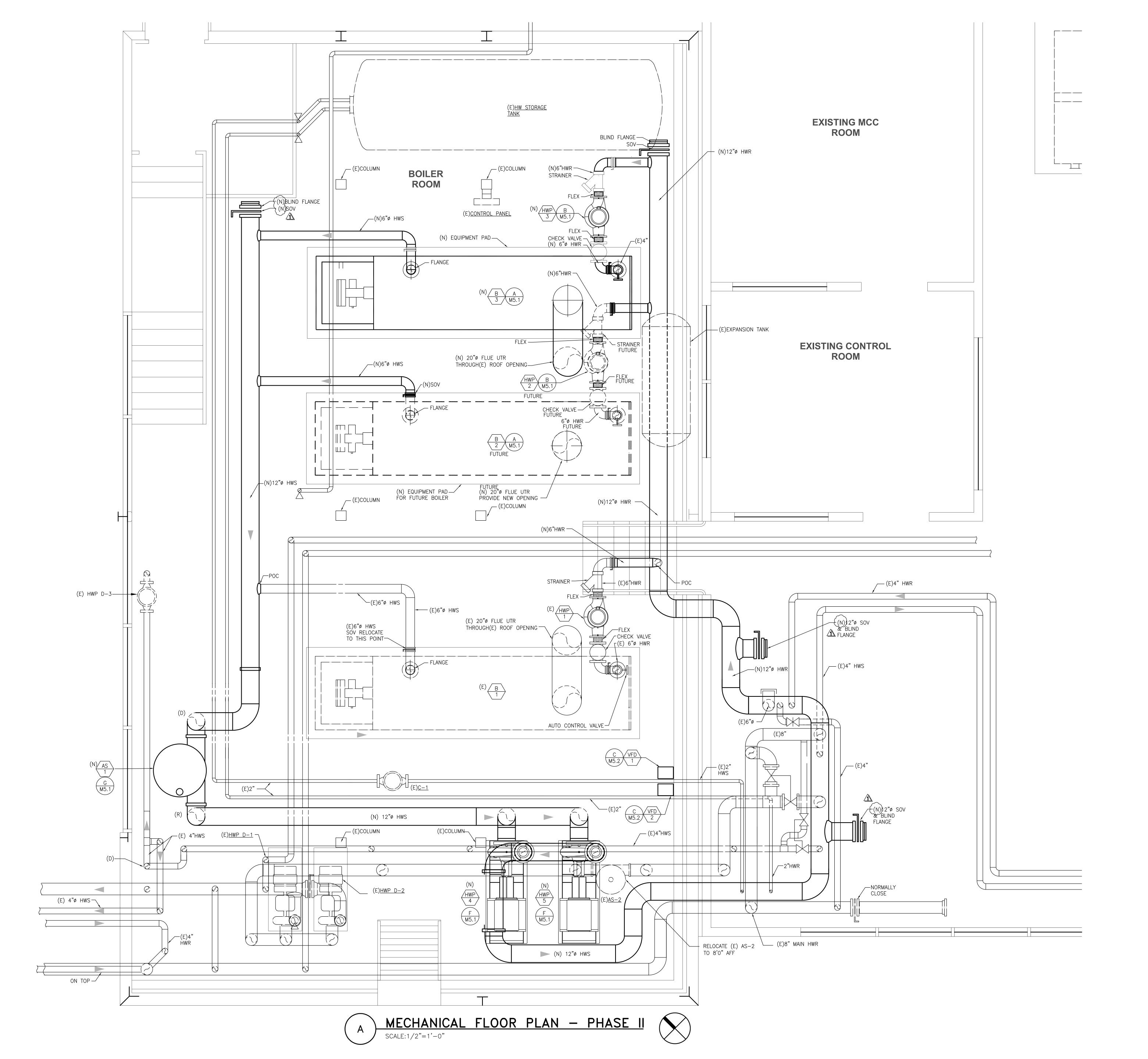
MECHANICAL DEMOLITION FLOOR PLAN

| NO. | REVISIONS | DATE | BY |
|----------|-------------|----------|----|
| <u> </u> | ADDENDUM 01 | 08/07/19 | |
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| SHEE | T NUMBER: | | |

Project Engineer: BP Job Number: 17178

Project Manager: BP Plot Date: Aug 07, 2019 - 4:37pm

Project Drafter: DC Login: zheriman



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 02-117264 AC____ FLS ____ SS____ CONSULTANTS: PHASE II MECHANICAL NEW BOILER ROOM PLAN 08/07/19 <u>∠1</u> ADDENDUM 01 SHEET NUMBER: M2.2Project Engineer: BP Job Number: 17178
Project Manager: BP Plot Date: Aug 07, 2019 - 4:37pm
Project Drafter: DC Login: zheriman