## RRCC Construction Technology Center Roof Replacement

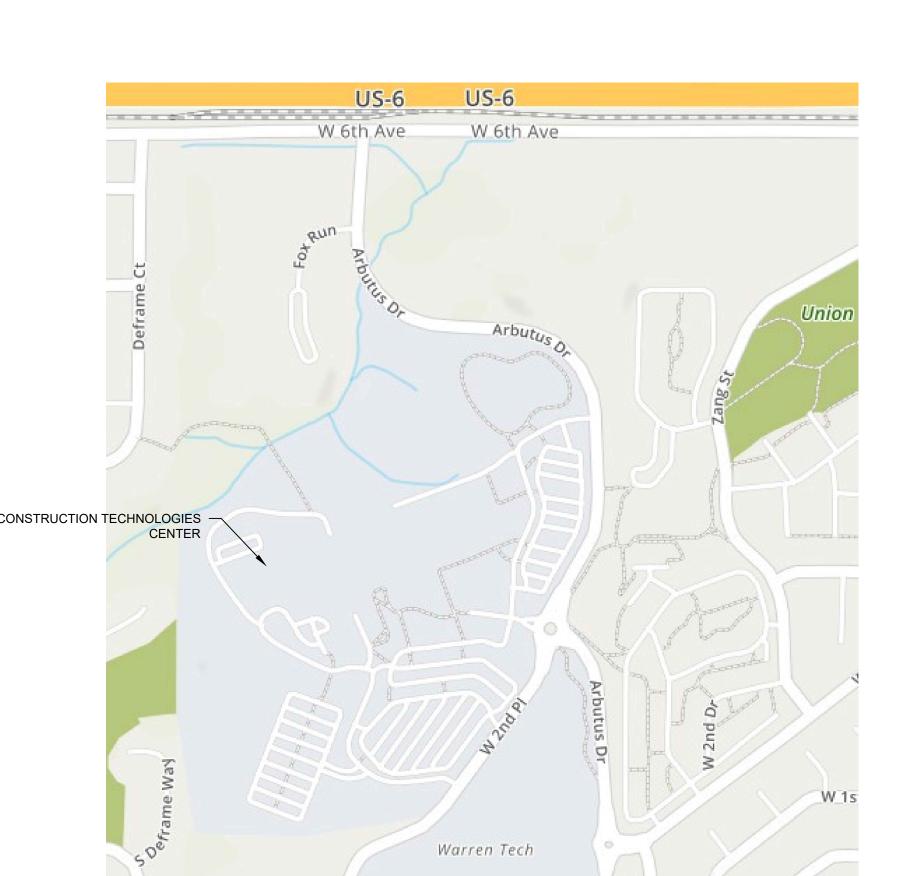
RRCC Construction Technology Center (CTC) 13300 W. 6th Avenue Lakewood, Colorado

Red Rocks Community College

13300 W. 6th Avenue Lakewood, Colorado 80228

Consultant: Wiss, Janney, Elstner Associates, Inc.

3609 South Wadsworth Blvd. Suite 400 Lakewood, Colorado 303.914.4300 tel | 303.914.3000 fax



Project Location

## **General Scope of Work:**

The scope of work for the removal of the existing roofing and installation of a new watertight roof system shall include, but is not limited to the following:

## CONSTRUCTION TECHNOLOGY CENTER ROOF REPLACEMENT

- WNER WILL REMOVE ABANDONED ROOF TOP EQUIPMENT AS INDICATED ON DEMOLITION PLAN.
- REMOVE EXISTING MODIFIED BITUMEN ROOFING AND INSULATION DOWN TO THE EXISTING BUR MEMBRANE INSPECT AND REPLACE ANY WET, DETERIORATED LT. WT. ("SIPLAST ZONOPATCH" FOR AREAS LESS 3 SQ. FT,
- POLYISO FILL FOR AREAS LARGER THAN 3 SQ. FT.

- URNISH AND INSTALL 1 LAYER NEW POLYISO INSULATION (R-15), ADHERED WITH FOAM ADHESIVE
- FURNISH AND INSTALL NEW 1/8" GYPSUM COVER BOARD, ADHERED WITH FOAM ADHESIVE FURNISH AND INSTALL NEW 60 MIL EPDM, ADHERED
- FURNISH AND INSTALL NEW PERIMETER EDGE FLASHING
- FURNISH AND INSTALL NEW PIPE FLASHINGS, COUNTER FLASHINGS, CURB CAPS WHERE INDICATED, AND SCUPPER
- 13. FURNISH AND INSTALL NEW GAS & CONDUIT SUPPORTS 14. FURNISH AND INSTALL NEW MANUFACTURED ROOF HATCH GUARD.
- 15. FURNISH AND INSTALL NEW EDGE RAILING AT DUST COLLECTOR.

Index to Drawings:

R501

R502

R503

R504

Building Type: 2A

Risk Category: II

DEMOLITION PLAN

**ROOF DETAILS** 

**ROOF DETAILS** 

**ROOF DETAILS** 

SAFETY RAIL DETAILS

COVER SHEET & GENERAL NOTES

ROOF PLAN - WALKWAY LAYO

ADD ALTERNATE NO. 2 - CONTRACTOR TO REMOVE ABANDONED ROOF TOP EQUIPMENT AS INDICATED ON DEMOLITION

**General Notes:** 

DRAWINGS ARE PROVIDED FOR INFORMATION ONLY

DOCUMENTS FROM ACTUAL ON-SITE CONDITIONS.

CONTRACTOR HAS FOUND THESE PRODUCTS TO BE UNACCEPTABLE OR HAS HAD DIFFICULTY USING THESE MATERIALS. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE CONSULTANT WISS, JANNEY, ELSTNER ASSOCIATES, INC. (WJE) OR THE OWNER SHALL NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD. DO NOT SCALE DRAWINGS. DIMENSIONS SHOWN ON THE

TEMPORARY RELOCATION OF MECHANICAL/ELECTRICAL EQUIPMENT AND PLUMBING LINES DURING THE REPAIR WORK

THE JOB SITE AND SHALL COMPLY WITH THE REQUIREMENTS OF THE OSHA HAZARD COMMUNICATION STANDARD

THERE SHALL BE COMPLETE COOPERATION BETWEEN THE OWNER AND SUB-CONTRACTORS TO ENSURE SATISFACTORY PROGRESS AND

THE CONTRACTOR SHALL VERIFY EXISTING PLUMBING AND ELECTRICAL LINES AND EQUIPMENT THAT WILL BE ACCESSED AS PART OF WORK

PERFORMED. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT, LABOR, MATERIALS, AND COMPONENTS REQUIRED FOR THE

THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, LICENSES AND GOVERNMENT FEES AS REQUIRED. THE CONTRACTOR SHALL COMPLY WITH CODES, ORDINANCES, RULES, REGULATIONS, ORDERS AND OTHER LEGAL REQUIREMENTS OF PUBLIC AUTHORITY, WHICH

CONTRACTOR SHALL PROMPTLY SUBMIT VERBAL AND WRITTEN NOTICE TO THE CONSULTANT OF OBSERVED VARIANCE OF THE CONTRACT

CONTRACTOR SHALL SUPPLY THE OWNER WITH MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH MATERIAL THAT WILL BE BROUGHT ONTO

THE CONTRACTOR MUST SUBMIT DEMOLITION AND CONSTRUCTION SCHEDULES TO THE OWNER AND CONSULTANT FOR APPROVAL PRIOR

CONTRACTOR SHALL VERIFY ALL QUANTITIES. QUANTITIES SHOWN ARE FOR ESTIMATING PURPOSES ONLY

RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND SAFETY PROGRAMS IN CONNECTION WITH THE PROJECT. SINCE THESE ARE THE RESPONSIBILITY OF OTHERS, WJE SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S SCHEDULES OR FAILURE TO CARRY OUT THE PROJECT IN ACCORDANCE WITH CONTRACT DOCUMENTS. WJE SHALL NOT HAVE CONTROL OVER OR CHARGE OF ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR THEIR AGENTS OR EMPLOYEES. OR OF ANY OTHER NON-WJE PERSONS PERFORMING PORTIONS OF THE PROJECT

THE PRODUCTS SPECIFIED ARE BELIEVED TO HAVE PROPERTIES ADEQUATE FOR SUCCESSFUL COMPLETION OF THE WORK. IF THE

- 11. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL JOB SAFETY DURING THE REPAIR WORK.
- LINREASONARI Y ENCLIMBER SITE WITH MATERIALS OR FOLLIPMENT. THE MATERIALS AND FOLLIPMENT SHALL BE CONFINED TO THE AREAS INDICATED IN THE CONTRACT DOCUMENTS OR BY THE DIRECTION OF THE OWNER OR CONSULTANT. DO NOT LOAD STRUCTURE WITH WEIGHT THAT WILL ENDANGER STRUCTURE. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION AND SAFEKEEPING OF PRODUCTS STORED ON PREMISES. CONTRACTOR SHALL MOVE ANY STORED MATERIAL OR PRODUCTS WHICH INTERFERE WITH OPERATIONS OF THE OWNER. CONTRACTOR SHALL STORE MATERIAL ONLY IN AREAS PROVIDED BY THE OWNER.
- 13. WATER AND ELECTRICITY MAY BE TAKEN FROM BUILDING FOR CONSTRUCTION PURPOSES ONLY AT AREAS IDENTIFIED ACCEPTABLE BY THE OWNER. TOILET FACILITIES IN BUILDING SHALL NOT BE USED BY THE CONTRACTOR.
- GOOD CONDITION UNTIL THE COMPLETION OF THE WORK REQUIRING SUCH PROTECTION AND THEN REMOVE THE SAME. ALL CANOPIES AND BARRICADES SHALL COMPLY WITH FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.
- 15. THE CONTRACTOR SHALL MAINTAIN PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIAL AND RUBBISH.
- 16. THE CONTRACTOR IS TO RETURN DAMAGED AREAS TO ORIGINAL OR BETTER CONDITION.
- 17. THE CONTRACTOR SHALL PROTECT GROUNDS AND LANDSCAPING WHEN PERFORMING WORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO GROUNDS AND LANDSCAPING AND BE REQUIRED TO REPAIR OR REPLACE AS NECESSARY.
- 18. CONTRACTOR SHALL COMPLY WITH ALL SECURITY PROCEDURES.
- 19. COSTS CAUSED BY ILL-TIMED WORK, DEFECTIVE WORK OR WORK NOT CONFORMING TO THE CONTRACT DOCUMENTS, ARE THE
- 20. DO NOT STOCKPILE CONSTRUCTION MATERIAL IN A MANNER THAT WILL OVERLOAD OR EXCEED THE CAPACITY OF THE STRUCTURAL
- 21. ENFORCE STRICT DISCIPLINE AND GOOD ORDER AMONG EMPLOYEES. DO NOT EMPLOY UNFIT PERSONS OR PERSONS NOT SKILLED IN THE
- 22. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS, EVEN THOUGH NOT SPECIFICALLY
- 23. ALL CONSTRUCTION SHALL BE SUBJECT TO REVIEW BY THE CONSULTANT BEFORE IT IS CONCEALED FROM VIEW. COORDINATE EXPECTED REVIEW ITEMS WITH THE CONSULTANT PRIOR TO THE START OF CONSTRUCTION AND PROVIDE REASONABLE NOTIFICATION TO THE CONSULTANT TO ALLOW FOR SUCH REVIEW AS THE WORK PROCEEDS
- 24. REMOVE AND DISPOSE OF IN A PROPER MANNER (OFF-SITE) ALL EXISTING MATERIAL REMOVED FROM THE BUILDING DURING THE COURSE OF THE WORK ON A DAILY BASIS. REMOVAL AND DISPOSAL SHALL BE SATISFACTORY TO THE CONSULTANT AND OWNER. CONSTRUCTION

DEBRIS SHALL BE REMOVED IN A MANNER THAT AVOIDS OVERLOADING ADJACENT STRUCTURAL MEMBERS.

- 25. CONTRACTOR SHALL COORDINATE USE OF PREMISES UNDER THE DIRECTION OF THE OWNER. TEMPORARY DISRUPTIONS TO THE USE OF THE BUILDING BY EMPLOYEES AND PUBLIC, INCLUDING NOISE, DUST AND DISRUPTION OF UTILITIES, SHALL BE COORDINATED A MINIUMUM OF 48 HOURS IN ADVANCE AND APPROVED BY THE OWNER. CONTRACTOR WORK NOT COORDINATED IN ADVANCE WHICH CAUSES DISRUPTIONS TO THE USE OF THE BUILDING BY EMPLOYEES AND PUBLIC MAY BE STOPPED BY THE OWNER AND SHALL NOT BE COMMENCED AGAIN UNTIL PROPER COORDINATION IS ACHIEVED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS RESULTING FROM WORK STOPPAGES OR DELAYS CAUSED BY CONTRACTORS LACK OF COORDINATION WITH THE OWNER.
- 26. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE WATER TIGHTNESS OF THE AREAS OF THE STRUCTURE BEING WORKED ON DURING THE COURSE OF THE WORK. PROVIDE TEMPORARY PROTECTION OF THE EXISTING CONSTRUCTION FROM THE WEATHER UNTIL REMOVED PORTIONS ARE COMPLETELY REPLACE WITH NEW CONSTRUCTION. THE COST OF DAMAGE AND REPAIRS SHALL BE MADE AT NO
- 27. THESE DRAWINGS AND SPECIFICATIONS APPLY TO THE PROJECT IDENTIFIED IN THE TITLEBLOCK ONLY AND SHALL NOT BE USED FOR ANY OTHER PURPOSE WITHOUT THE EXPRESSED WRITTEN CONSENT OF WJE.
- 28. IN THE EVENT OF CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT AND BETTER QUALITY SHALL GOVERN UNLESS WRITTEN NOTIFICATION IS PROVIDED BY THE CONSULTANT.
- 29. COVER OR PLUG ROOF DRAINS DURING DAILY CONSTRUCTION TO PREVENT DEBRIS FROM FALLING INTO DRAINS. REMOVE STOPS OR BLOCKAGE PRIOR TO RAIN AND AT THE END OF THE DAY TO PERMIT FREE FLOW OF DRAINS. AT END OF PROJECT, CONTRACTOR SHALL FLUSH DRAINS WITH WATER TO ENSURE FREE FLOW OF THE DRAINS.

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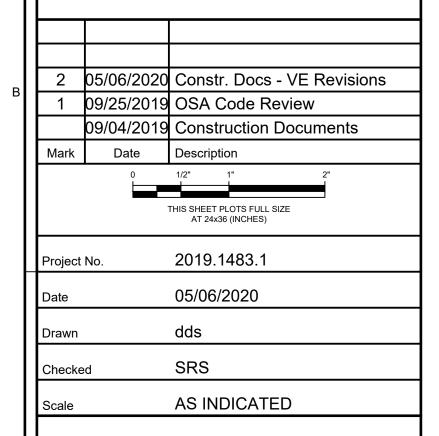
Atlanta | Austin | Boston | Chicago | Cleveland | Dallas | Denver | Detroit Honolulu | Houston | Los Angeles | Minneapolis | New Haven | New York hiladelphia | Princeton | San Francisco | Seattle | South Florida | Washington, D.

Consultants

CONSTRUCTION **TECHNOLOGY CENTER** ROOF REPLACEMENT

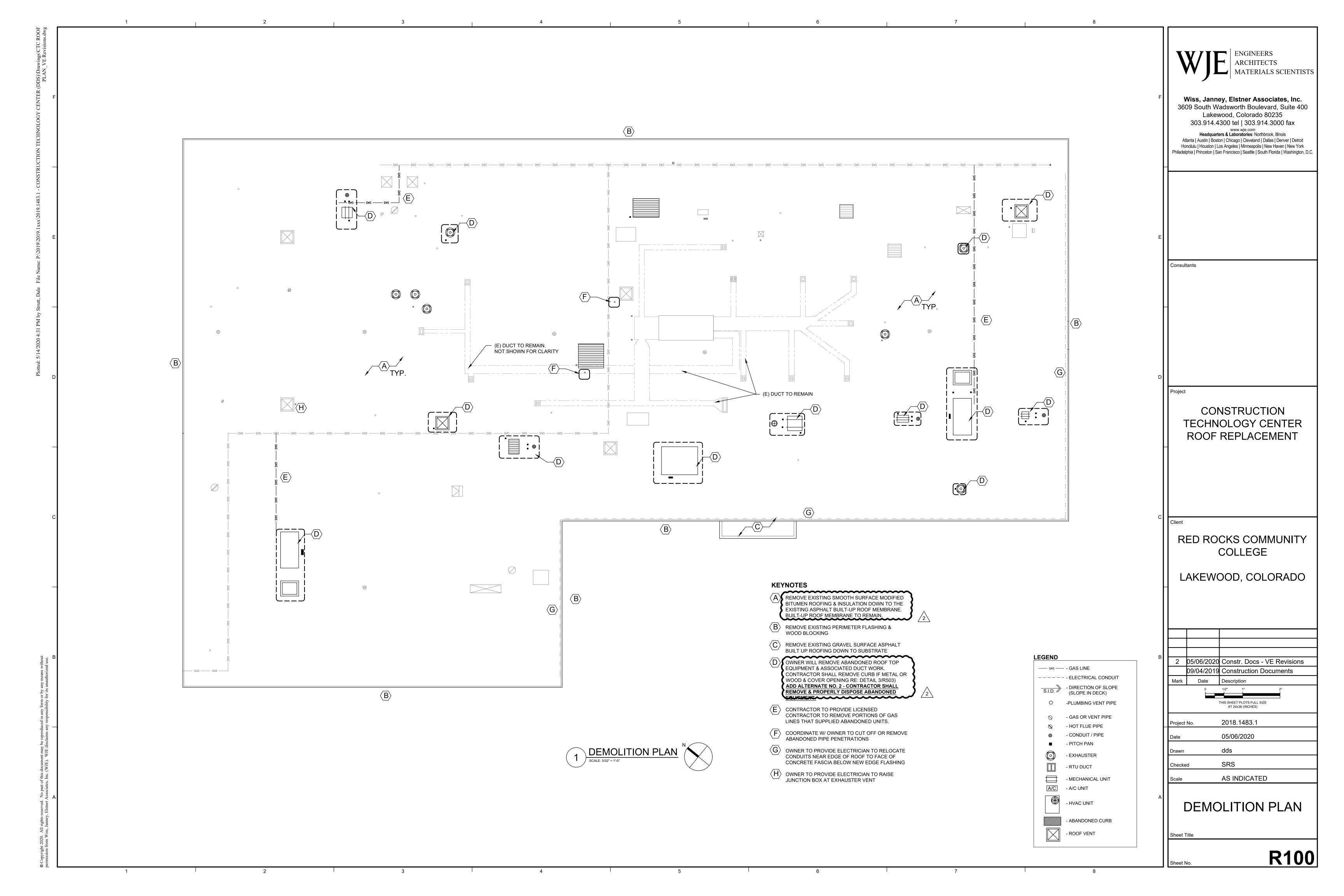
**RED ROCKS COMMUNITY** COLLEGE

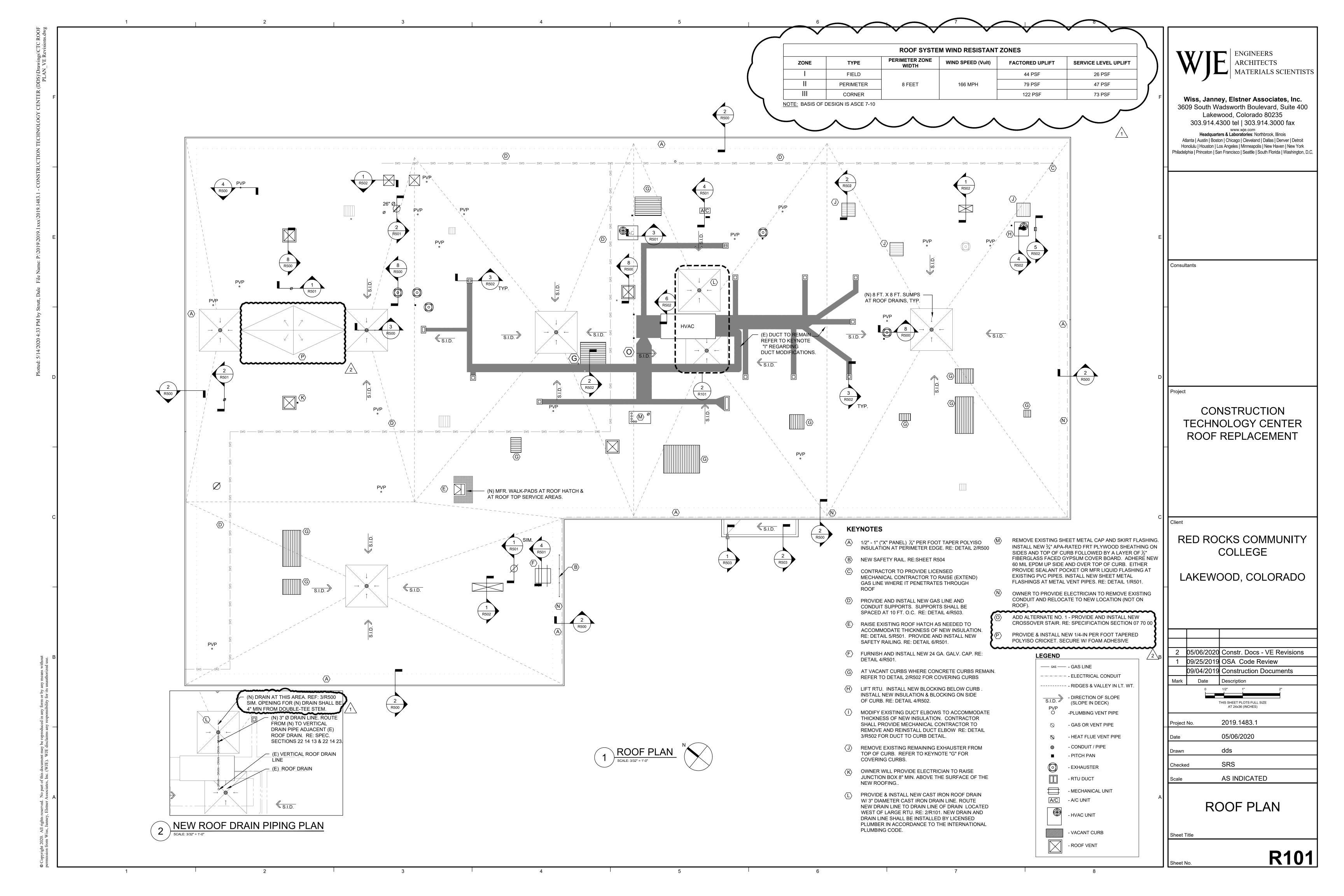
LAKEWOOD, COLORADO

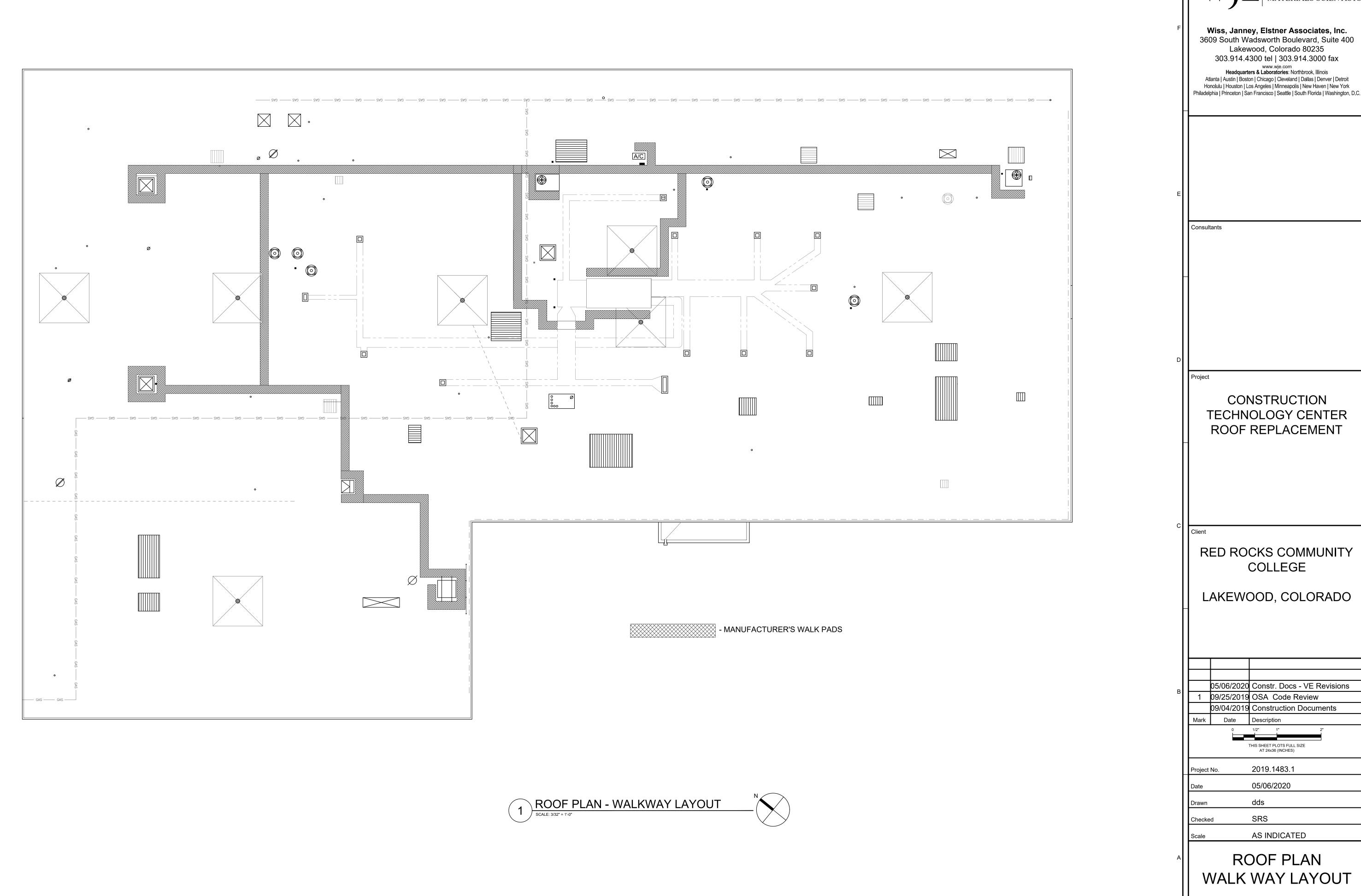


**COVER SHEET & GENERAL NOTES** 

**Abbreviations:** CONT CONTINUOUS EXISTING FRT FIRE RETARDANT TREATED FIELD VERIFY LIGHT WEIGHT INSULATING FILL MAX MAXIMUM MFR MANUFACTURER MINIMUM NTS NOT TO SCALE ON CENTER POLYISO POLYISOCYANURATE REFER TO REF REFERENCE REQ'D REQUIRED RTU **ROOF TOP UNIT** SIM SIMILAR **TERMINATION** TYP TYPICAL UNO UNLESS NOTED OTHERWISE **Applicable Codes:** 2015 INTERNATIONAL BUILDING CODE 2015 INTERNATIONAL ENERGY CONSERVATION CODE 2015 INTERNATIONAL EXISTING BUILDING CODE 2015 INTERNATIONAL MECHANICAL CODE 2015 INTERNATIONAL PLUMBING CODE /ind Speed: 166 mph Vul







Wiss, Janney, Elstner Associates, Inc. 3609 South Wadsworth Boulevard, Suite 400 Lakewood, Colorado 80235

CONSTRUCTION TECHNOLOGY CENTER ROOF REPLACEMENT

RED ROCKS COMMUNITY COLLEGE

LAKEWOOD, COLORADO

	05/06/2020	Constr. Docs - VE Revisions
1	09/25/2019	OSA Code Review
	09/04/2019	Construction Documents
Mark	Date	Description
	0	1/2" 1" 2"
	-	THIS SHEET PLOTS FULL SIZE
AT 24x36 (INCHES)		
Project	No.	2019.1483.1
Date		05/06/2020
Drawn		dds
Checke	ed	SRS
Scale		AS INDICATED
	D.(	

ROOF PLAN WALK WAY LAYOUT

R102

