

ADDENDUM #1
TO
CACHE COUNTY SCHOOL DISTRICT
SOUTH CACHE MIDDLE SCHOOL
VOCATIONAL BUILDING REMODEL
PROJECT #119312

May 5, 2020

<p>Architectural Design West Architects 255 South 300 West Logan, Utah 84321 (435) 752-7031</p>	<p>Darrell Anderson Construction Construction Manager / General Contractor 76 West 2400 North Logan, UT 84323 (435) 752-7605</p>
<p>Architectural Design West Landscape Architects 255 South 300 West Logan, Utah 84321 (435) 752-7031</p>	<p>Structural Solutions Structural Engineer 545 West 465 North Providence, UT 84321 (435) 787-2789</p>
<p>Beazer Engineering Electrical Engineer 525 East 3700 South Millville, UT 84326 (435) 770-8999</p>	<p>Nielson Engineering Mechanical / Plumbing Engineer 156 North 12th Avenue Pocatello, ID 83201 (208) 232-2577</p>

This Addendum forms a part of the Contract Documents and modifies the original Bidding Drawings and Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

Except as may be otherwise described, labor and materials for the Work hereinafter specified shall conform to all requirements of the Original Specifications.

Total Pages in Addendum: 9

Specifications

AD1-SP1 Specifications -
 Add Specification Section 10520 - Fire Protection Specialties.

AD1-SP1 Specification Section – 10431 Signs
 Clarification for Locations – Provide (1) Room Identification Sign at each door on Door Schedule – Sheet A-571. Signage type to match existing school signage. Text to be provided by architect.

Architectural

- AD1-A1 Sheet G-101 –
General Item - Sound wall locations are shown on G-101 Code Review Plan.
- AD1-A2 Sheet D-101
Keynote 9 – Remove door for relocation – See Plan.
Clarification - This existing door and hardware to be installed in new hollow metal frame – new frame size and hardware prep. to match door.
- AD1-A3 Sheet A-401
Interior Elevation B1 – Add note to hatched panels – F-3 Felt Tackboards.
- AD1-A4 Sheet A-571 Door Schedule – A5 General Notes
Delete General Note 4 – There are no Sun Shades.

Civil – Landscape

- AD1- CL1 None

Structural

- AD1- ST1 None

Mechanical - Plumbing

- AD1-MP1 None

Electrical

- AD1-E1 Sheet E-201 – See attached revisions.
- AD1-E2 Sheet E-401 – See attached revisions.

Prior Approvals

Door Closers – Stanley QDC 100 Series
Exit Devices – Precision 2000 Series
Locks and Latches – Best 9K Series Cylindrical Lever sets

CSI Wall Panels - SoundCore Slab – Zintra Acoustic Panels
Audex Cube

End of Addendum 1

SOUTH CACHE MIDDLE SCHOOL VOCATIONAL REMODEL
CACHE COUNTY SCHOOL DISTRICT

SECTION 10520 - FIRE-PROTECTION SPECIALTIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Portable fire extinguishers.
 - 2. Fire-protection cabinets for the following:
 - a. Portable fire extinguishers.

1.3 SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for fire-protection cabinets.
 - 1. Fire Extinguishers: Include rating and classification.
 - 2. Fire-Protection Cabinets: Include roughing-in dimensions, details showing mounting methods, relationships of box and trim to surrounding construction, door hardware, cabinet type, trim style, and panel style.

1.4 QUALITY ASSURANCE

- A. Source Limitations: Obtain fire extinguishers and fire-protection cabinets through one source from a single manufacturer.
- B. NFPA Compliance: Fabricate and label fire extinguishers to comply with NFPA 10, "Portable Fire Extinguishers."
- C. Fire Extinguishers: Listed and labeled for type, rating, and classification by an independent testing agency acceptable to authorities having jurisdiction.
 - 1. Provide fire extinguishers approved, listed, and labeled by FMG.

1.5 COORDINATION

- A. Coordinate size of fire-protection cabinets to ensure that type and capacity of fire extinguishers indicated are accommodated.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the manufacturers specified.

2.2 MATERIALS

- A. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B.
- B. Tempered Break Glass: ASTM C 1048, Kind FT, Condition A, Type I, Quality q3, 1.5 mm thick

2.3 PORTABLE FIRE EXTINGUISHERS

- A. Available Manufacturers:
 - 1. Ansul Incorporated.
 - 2. JL Industries, Inc.
 - 3. Larsen's Manufacturing Company.
 - 4. Potter Roemer; Div. of Smith Industries, Inc.
- B. General: Provide fire extinguishers of type, size, and capacity for each fire-protection cabinet and mounting bracket indicated.
 - 1. Valves: Manufacturer's standard.
 - 2. Handles and Levers: Manufacturer's standard.
 - 3. Instruction Labels: Include pictorial marking system complying with NFPA 10, Appendix B and bar coding for documenting fire extinguisher location, inspections, maintenance, and recharging.

2.4 FIRE-PROTECTION CABINET

- A. Available Manufacturers: Provide equivalent to Larsen 2409-R7
 - 1. JL Industries, Inc.
 - 2. Larsen's Manufacturing Company.
 - 3. Potter Roemer; Div. of Smith Industries, Inc.
- B. Cabinet Type: Suitable for fire extinguisher.
- C. Cabinet Construction: Nonrated.
- D. Cabinet Material: Enameled-steel sheet.
 - 1. Shelf: Same metal and finish as cabinet.
- E. Semirecessed Cabinet: Cabinet box partially recessed in walls of shallow depth to suit style of trim indicated; with one-piece combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (backbend).
 - 1. Rolled-Edge Trim: 1-1/2-inch backbend depth.
- F. Cabinet Trim Material: Same material and finish as door.

- G. Door Material: Steel sheet.
- H. Door Style: Solid door with pull handle & type "A" black decal..
- I. Door Glazing: None.
- J. Door Hardware: Manufacturer's standard door-operating hardware of proper type for cabinet type, trim style, and door material and style indicated.
 - 1. Provide manufacturer's standard.
 - 2. Provide continuous hinge, of same material and finish as trim, permitting door to open 180 degrees.
- K. Accessories:
 - 1. Mounting Bracket: Manufacturer's standard steel, designed to secure fire extinguisher to fire-protection cabinet, of sizes required for types and capacities of fire extinguishers indicated, with plated or baked-enamel finish.
 - 2. Lettered Door Handle: One-piece, cast-iron door handle with the word "FIRE" embossed into face.
 - 3. Door Lock: Cylinder lock, keyed alike to other cabinets – battery operated tamper alarm.
 - 4. Identification: Lettering complying with authorities having jurisdiction for letter style, size, spacing, and location. Locate as indicated by Architect.
 - a. Identify fire extinguisher in fire-protection cabinet with the words "FIRE EXTINGUISHER."
 - 1) Location: Applied to cabinet door.
 - 2) Application Process: Decals.
 - 3) Lettering Color: Red.
 - 4) Orientation: Vertical.
- L. Finishes:
 - 1. Manufacturer's standard baked-enamel paint for the following:
 - a. Exterior of cabinet door, and trim (white).
 - b. Interior of cabinet and door.
 - 2. Steel: Baked enamel.
 - a. Color and Texture: As selected by Architect from manufacturer's full range.
 - 3. Provide sealant at perimeter of wall joint to cabinet.

2.5 FABRICATION

- A. Fire-Protection Cabinets: Provide manufacturer's standard box (tub), with trim, frame, door, and hardware to suit cabinet type, trim style, and door style indicated.
 - 1. Weld joints and grind smooth.
 - 2. Construct fire-rated cabinets with double walls fabricated from 0.0428-inch- (1.1-mm-) thick, cold-rolled steel sheet lined with minimum 5/8-inch- (16-mm-) thick, fire-barrier material.
 - a. Provide factory-drilled mounting holes.
- B. Cabinet Doors: Fabricate doors according to manufacturer's standards, from materials indicated and coordinated with cabinet types and trim styles selected.

1. Fabricate door frames with tubular stiles and rails and hollow-metal design, minimum 1/2 inch (13 mm) thick.
2. Miter and weld perimeter door frames.

C. Cabinet Trim: Fabricate cabinet trim in one piece with corners mitered, welded, and ground smooth.

2.6 FINISHES, GENERAL

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

2.7 STEEL FINISHES

- A. Surface Preparation: Clean surfaces of dirt, oil, grease, mill scale, rust, and other contaminants that could impair paint bond using manufacturer's standard methods.

Baked-Enamel Finish: Immediately after cleaning and pretreating, apply manufacturer's standard two-coat, baked-enamel finish consisting of prime coat and thermosetting topcoat. Comply with paint manufacturer's written instructions for applying and baking to achieve a minimum dry film thickness of 2 mils (0.05 mm).

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine roughing-in for hose [valves] [racks] and cabinets to verify actual locations of piping connections before cabinet installation.
- B. Examine walls and partitions for suitable framing depth and blocking where [recessed] [semirecessed] [recessed and semirecessed] cabinets will be installed.
- C. Examine fire extinguishers for proper charging and tagging.
 1. Remove and replace damaged, defective, or undercharged units.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Prepare recesses for semirecessed fire-protection cabinets as required by type and size of cabinet and trim style.

3.3 INSTALLATION

- A. General: Install fire-protection specialties in locations and at mounting heights indicated or, acceptable to authorities having jurisdiction.

- B. Fire-Protection Cabinets: Fasten fire-protection cabinets to structure, square and plumb.
 - 1. Unless otherwise indicated, provide recessed fire-protection cabinets. If wall thickness is not adequate for recessed cabinets, provide semirecessed fire-protection cabinets.
 - 2. Provide inside latch and lock for break-glass panels.
 - 3. Fasten mounting brackets to inside surface of fire-protection cabinets, square and plumb.

3.4 ADJUSTING AND CLEANING

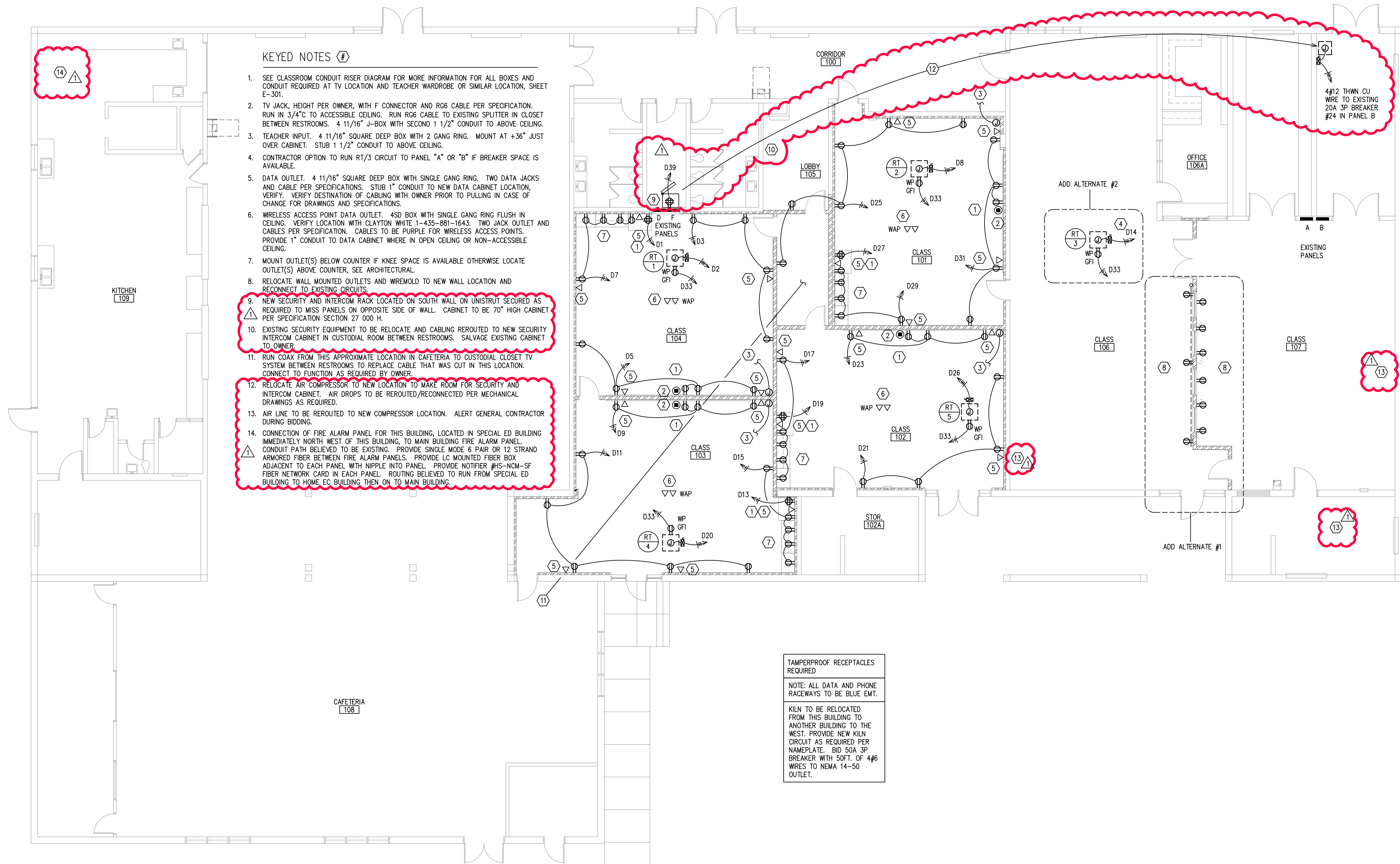
- A. Remove temporary protective coverings and strippable films, if any, as fire-protection specialties are installed, unless otherwise indicated in manufacturer's written installation instructions.
- B. Adjust fire-protection cabinet doors to operate easily without binding. Verify that integral locking devices operate properly.
- C. On completion of fire-protection cabinet installation, clean interior and exterior surfaces as recommended by manufacturer.
- D. Touch up marred finishes, or replace fire-protection cabinets that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by fire-protection cabinet manufacturer.
- E. Replace fire-protection cabinets that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 10520

PANEL D		TYPE		3 Ø 4 WIRE 120/208 VOLTS		LOCATION		MOUNTING																
NEW		EXISTING		REMARKS		CIRCUIT DESCRIPTION		CIRCUIT DESCRIPTION																
<input type="checkbox"/>	Bolt on breakers	<input type="checkbox"/>	Isolated ground bus	ALL EXISTING BREAKERS IN PANEL "D" BELIEVED TO BE ABANDONED. REPLACE BREAKERS TO MATCH LAYOUT SHOWN HERE, AIC TO MATCH EXISTING		CIRCUIT DESCRIPTION		CIRCUIT DESCRIPTION																
<input type="checkbox"/>	flush	<input type="checkbox"/>	surface																					
<input type="checkbox"/>	200 amp. main	<input type="checkbox"/>	lugs																					
<input type="checkbox"/>	lug	<input type="checkbox"/>	breaker																					
No.	BRKR	A	P	CIRCUIT DESCRIPTION	L	O	M	Wire	CIRC. LOAD	PHASE	A	B	C	CIRC. LOAD	Wire	L	O	M	CIRCUIT DESCRIPTION	BRKR	A	P	No.	
1	20	1		CLASS 104	2			12	360					3000	8				1 RT/1				2	
3				CLASS 104	4				720			3720		3000	8									4
5				CLASS 104	5				900				3900	3000	8									6
7				CLASS 104	5				900	3900				3000	8				1 RT/2			35	3	8
9				CLASS 103	4				720			3720		3000	8									10
11				CLASS 103	5				900				3900	3000	8									12
13				CLASS 103	2				360	5860				5500	6				1 RT/3			50	3	14
15				CLASS 103	5				900			6400		5500	6									16
17				CLASS 102	5				900				6400	5500	6									18
19				CLASS 102	2				360	3360				3000	8				1 RT/4			35	3	20
21				CLASS 102	4				720			3720		3000	8									22
23				CLASS 102	4				720				3720	3000	8									24
25				CLASS 101	6				1080	4080				3000	8				1 RT/5			35	3	26
27				CLASS 101	2				360			3360		3000	8									28
29				CLASS 101	5				900				3900	3000	8									30
31				CLASS 101	5				900	900														32
33				ROOFTOP OUTLETS	5				900			900												34
35				CLASS 101, 102 LIGHTS	X				1000			1000												36
37				CLASS 101, 102 LIGHTS	X				1000			1000												38
39	V	V		INTERCOM CABINET	2				400			400												40
41																								42
					TOTALS					22560			22220		22420									
FEEDER					EXISTING 3/0 200A FEED										AIC									
					AMPS/PHASE					188		185		187	parallel runs									

SYM	DESCRIPTION	LOAD	VOLTS	PHASE	FIRE ALARM SHUTDOWN	CONTROL CIRCUIT BY	* STARTER BY	SAFETY DISCONNECT BY	REMARKS
RT/1	ROOFTOP UNIT	25.8A	208	3	YES	MECH	MECH	ELECT	PROVIDE FUSED DISCONNECT
RT/2	ROOFTOP UNIT	25.8A	208	3	YES	MECH	MECH	ELECT	PROVIDE FUSED DISCONNECT
RT/3	ROOFTOP UNIT	46.3A	208	3	YES	MECH	MECH	ELECT	PROVIDE FUSED DISCONNECT
RT/4	ROOFTOP UNIT	25.8A	208	3	YES	MECH	MECH	ELECT	PROVIDE FUSED DISCONNECT
RT/5	ROOFTOP UNIT	25.8A	208	3	YES	MECH	MECH	ELECT	PROVIDE FUSED DISCONNECT

FINAL BREAKER OR FUSE SIZE PER MANUFACTURER.
* ELECTRICAL CONTRACTOR VERIFY SINGLE SPEED OR TWO SPEED STARTERS WITH MECHANICAL DRAWINGS.



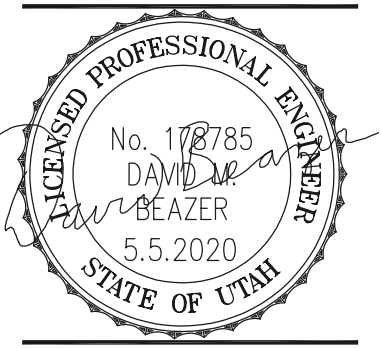
- KEYED NOTES**
- SEE CLASSROOM CONDUIT RISER DIAGRAM FOR MORE INFORMATION FOR ALL BOXES AND CONDUIT REQUIRED AT TV LOCATION AND TEACHER WARDROBE OR SIMILAR LOCATION, SHEET E-301.
 - TV JACK, HEIGHT PER OWNER. WITH F CONNECTOR AND RG6 CABLE PER SPECIFICATION. RUN IN 3/4" TO ACCESSIBLE CEILING. RUN RG6 CABLE TO EXISTING SPLITTER IN CLOSET BETWEEN RESTROOMS. 4 11/16" J-BOX WITH SECOND 1 1/2" CONDUIT TO ABOVE CEILING.
 - TEACHER INPUT. 4 11/16" SQUARE DEEP BOX WITH 2 GANG RING. MOUNT AT +36" JUST OVER CABINET. STUB 1 1/2" CONDUIT TO ABOVE CEILING.
 - CONTRACTOR OPTION TO RUN RT/3 CIRCUIT TO PANEL "A" OR "B" IF BREAKER SPACE IS AVAILABLE.
 - DATA OUTLET. 4 11/16" SQUARE DEEP BOX WITH SINGLE GANG RING. TWO DATA JACKS AND CABLE PER SPECIFICATIONS. STUB 1" CONDUIT TO NEW DATA CABINET LOCATION, VERIFY. VERIFY DESTINATION OF CABLING WITH OWNER PRIOR TO PULLING IN CASE OF CHANGE FOR DRAWINGS AND SPECIFICATIONS.
 - WIRELESS ACCESS POINT DATA OUTLET. 4SD BOX WITH SINGLE GANG RING FLUSH IN CEILING. VERIFY LOCATION WITH CLAYTON WHITE 1-435-881-1643. TWO JACK OUTLET AND CABLES PER SPECIFICATION. CABLES TO BE PURPLE FOR WIRELESS ACCESS POINTS. PROVIDE 1" CONDUIT TO DATA CABINET WHERE IN OPEN CEILING OR NON-ACCESSIBLE CEILING.
 - MOUNT OUTLET(S) BELOW COUNTER IF KNEE SPACE IS AVAILABLE OTHERWISE LOCATE OUTLET(S) ABOVE COUNTER, SEE ARCHITECTURAL.
 - RELOCATE WALL MOUNTED OUTLETS AND WIREMOLD TO NEW WALL LOCATION AND RECONNECT TO EXISTING CIRCUITS.
 - NEW SECURITY AND INTERCOM RACK LOCATED ON SOUTH WALL ON UNISTRUT SECURED AS REQUIRED TO MISS PANELS ON OPPOSITE SIDE OF WALL. CABINET TO BE 70" HIGH CABINET PER SPECIFICATION SECTION 27 000 H.
 - EXISTING SECURITY EQUIPMENT TO BE RELOCATE AND CABLING REROUTED TO NEW SECURITY INTERCOM CABINET IN CUSTODIAL ROOM BETWEEN RESTROOMS. SALVAGE EXISTING CABINET TO OWNER.
 - RUN COAX FROM THIS APPROXIMATE LOCATION IN CAFETERIA TO CUSTODIAL CLOSET TV SYSTEM BETWEEN RESTROOMS TO REPLACE CABLE THAT WAS CUT IN THIS LOCATION. CONNECT TO FUNCTION AS REQUIRED BY OWNER.
 - RELOCATE AIR COMPRESSOR TO NEW LOCATION TO MAKE ROOM FOR SECURITY AND INTERCOM CABINET. AIR DROPS TO BE REROUTED/RECONNECTED PER MECHANICAL DRAWINGS AS REQUIRED.
 - AIR LINE TO BE REROUTED TO NEW COMPRESSOR LOCATION. ALERT GENERAL CONTRACTOR DURING BIDDING.
 - CONNECTION OF FIRE ALARM PANEL FOR THIS BUILDING, LOCATED IN SPECIAL ED BUILDING IMMEDIATELY NORTH WEST OF THIS BUILDING TO MAIN BUILDING FIRE ALARM PANEL. CONDUIT PATH BELIEVED TO BE EXISTING. PROVIDE SINGLE MODE 6 PAIR OR 12 STRAND ARMORED FIBER BETWEEN FIRE ALARM PANELS. PROVIDE LC MOUNTED FIBER BOX ADJACENT TO EACH PANEL WITH NIPPLE INTO PANEL. PROVIDE NOTIFIER #1S-NM-SF FIBER NETWORK CARD IN EACH PANEL. ROUTING BELIEVED TO RUN FROM SPECIAL ED BUILDING TO HOME EC BUILDING THEN ON TO MAIN BUILDING.

TAMPERPROOF RECEPTACLES REQUIRED

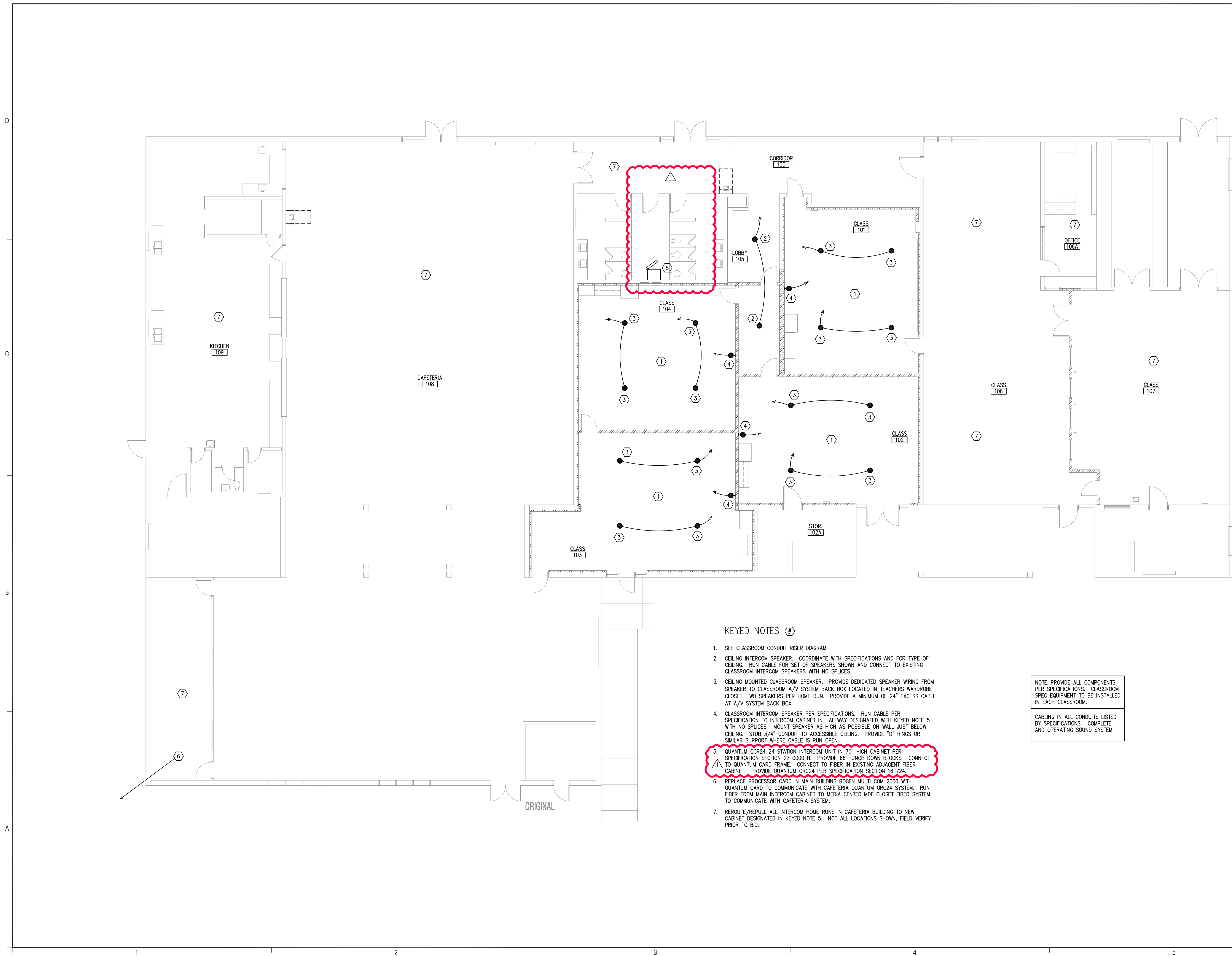
NOTE: ALL DATA AND PHONE RACEWAYS TO BE BLUE EMT.

KILN TO BE RELOCATED FROM THIS BUILDING TO ANOTHER BUILDING TO THE WEST. PROVIDE NEW KILN CIRCUIT AS REQUIRED PER NAMEPLATE. BID 50A 3P BREAKER WITH SOFT. OF 4#6 WIRES TO NEMA 14-50 OUTLET.

DESCRIPTION:	MOVE COMPRESSOR AND ADD FIRE ALARM FIBER CONNECTION
DATE:	5/5/2020
PROJECT #:	119312
DRAWN BY:	NB
CHECKED BY:	db
ISSUED:	04/13/2020



VOC. BUILDING POWER PLAN



KEYED NOTES (7)

1. SEE CLASSROOM CONDUIT RISER DIAGRAM.
2. CEILING INTERCOM SPEAKER. COORDINATE WITH SPECIFICATIONS AND FOR TYPE OF CEILING. RUN CABLE FOR SET OF SPEAKERS SHOWN AND CONNECT TO EXISTING CLASSROOM INTERCOM SPEAKERS WITH NO SPLICES.
3. CEILING MOUNTED CLASSROOM SPEAKER. PROVIDE DEDICATED SPEAKER WIRING FROM SPEAKER TO CLASSROOM A/V SYSTEM BACK BOX LOCATED IN TEACHERS WARDROBE CLOSET. TWO SPEAKERS PER HOME RUN. PROVIDE A MINIMUM OF 24" EXCESS CABLE AT A/V SYSTEM BACK BOX.
4. CLASSROOM INTERCOM SPEAKER PER SPECIFICATIONS. RUN CABLE PER SPECIFICATION TO INTERCOM CABINET IN HALLWAY DESIGNATED WITH KEYED NOTE 5 WITH NO SPLICES. MOUNT SPEAKER AS HIGH AS POSSIBLE ON WALL JUST BELOW CEILING. STUB 3/4" CONDUIT TO ACCESSIBLE CEILING. PROVIDE "D" RINGS OR SIMILAR SUPPORT WHERE CABLE IS RUN OPEN.
5. QUANTUM QCR24-24 STATION INTERCOM UNIT IN 70" HIGH CABINET PER SPECIFICATION SECTION 27 0000 H. PROVIDE 66 PUNCH DOWN BLOCKS. CONNECT TO QUANTUM CARD FRAME. CONNECT TO FIBER IN EXISTING ADJACENT FIBER CABINET. PROVIDE QUANTUM QRC24 PER SPECIFICATION SECTION 16 724.
6. REPLACE PROCESSOR CARD IN MAIN BUILDING BOSEN MULTI COM 2000 WITH QUANTUM CARD TO COMMUNICATE WITH CAFETERIA QUANTUM QRC24 SYSTEM. RUN FIBER FROM MAIN INTERCOM CABINET TO MEDIA CENTER MDF CLOSET FIBER SYSTEM TO COMMUNICATE WITH CAFETERIA SYSTEM.
7. REROUTE/REPULL ALL INTERCOM HOME RUNS IN CAFETERIA BUILDING TO NEW CABINET DESIGNATED IN KEYED NOTE 5. NOT ALL LOCATIONS SHOWN, FIELD VERIFY PRIOR TO BID.

NOTE: PROVIDE ALL COMPONENTS PER SPECIFICATIONS. CLASSROOM SPEC EQUIPMENT TO BE INSTALLED IN EACH CLASSROOM.

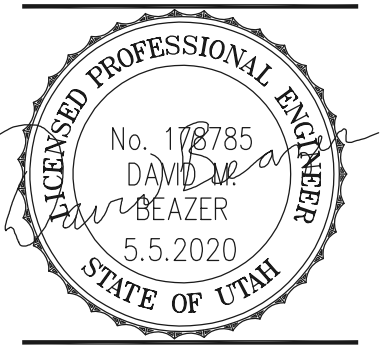
CABLING IN ALL CONDUITS LISTED BY SPECIFICATIONS. COMPLETE AND OPERATING SOUND SYSTEM



SOUTH CACHE MIDDLE SCHOOL VOCATIONAL BUILDING REMODEL
 10 SOUTH 480 WEST, HYRUM, UT 84319
 CACHE COUNTY SCHOOL DISTRICT
 84 EAST 2400 NORTH, NORTH LOGAN, UT 84341

DESCRIPTION:	MOVE COMPRESSOR AND ADD FIRE ALARM FIBER CONNECTION
DATE:	5/6/2020
MARK:	(Symbol)

PROJECT #: 119312
 DRAWN BY: NB
 CHECKED BY: db
 ISSUED: 04/13/2020



VOC. BUILDING
 LOW VOLTAGE
 PLAN

E-401