UINTAH RIVER HIGH SCHOOL REMODEL

7253 EAST 1000 SOUTH
P.O. BOX 235
FORT DUCHESNE, UTAH 84026



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General		ROBERTS
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AE101	FLOOR PLAN	ANCHITECTORE
AE111	ROOF PLAN	and the second of the second o
AE116	ROOF FRAMING PLAN	crsa
AE121	REFLECTED CEILING PLAN	700 NORTH 200 WEST
AE311	WALL SECTIONS	SALT LAKE CITY,UTAH 84103 (801) 355-5915
AE501	DETAILS	(801) 355-9885 FAX WWW.CRSARCHITECTS.COM
Plumbing		
PD101	PLUMBING DEMOLITION PLAN	STRUCTURAL ENGINEER JM WILLIAMS
PL101	PLUMBING FLOOR PLAN	363 SOUTH 500 EAST, SUITE 210 SALT LAKE CITY, UT 84102 (801) 575-6455 (801) 575-6456
PL201	PLUMBING SCHEDULES & DETAILS	
Mechanic	al	MECHANICAL ENGINEER DLJ MECHANICAL ENGINEERS 545 WEST 500 SOUTH, #140
MD101	MECHANICAL DEMOLITION PLAN	BOUNTIFUL, UTAH 84010 (801) 294-9299 (801) 294-9399
MH101	MECHANICAL FLOOR PLAN	ELECTRICAL ENGINEER
MH101A	MECHANICAL FLOOR PLAN	SPECTRUM ENGINEERS 175 SOUTH MAIN
MH201	MECHANICAL DETAILS	SALT LAKE CITY, UT 84111 (801) 328-5151 (801) 401-9471
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		SED ARCHI

UINTAH RIVER HIGH SCHOOL REMODEL 7253 EAST 1000 SOUTH / PO BOX 235 FORT DUCHESNE, UTAH 84026

UTE INDIAN TRIBE

P.O. BOX 190 FORT DUCHESNE, UTAH 84026

RECORD DRAWINGS

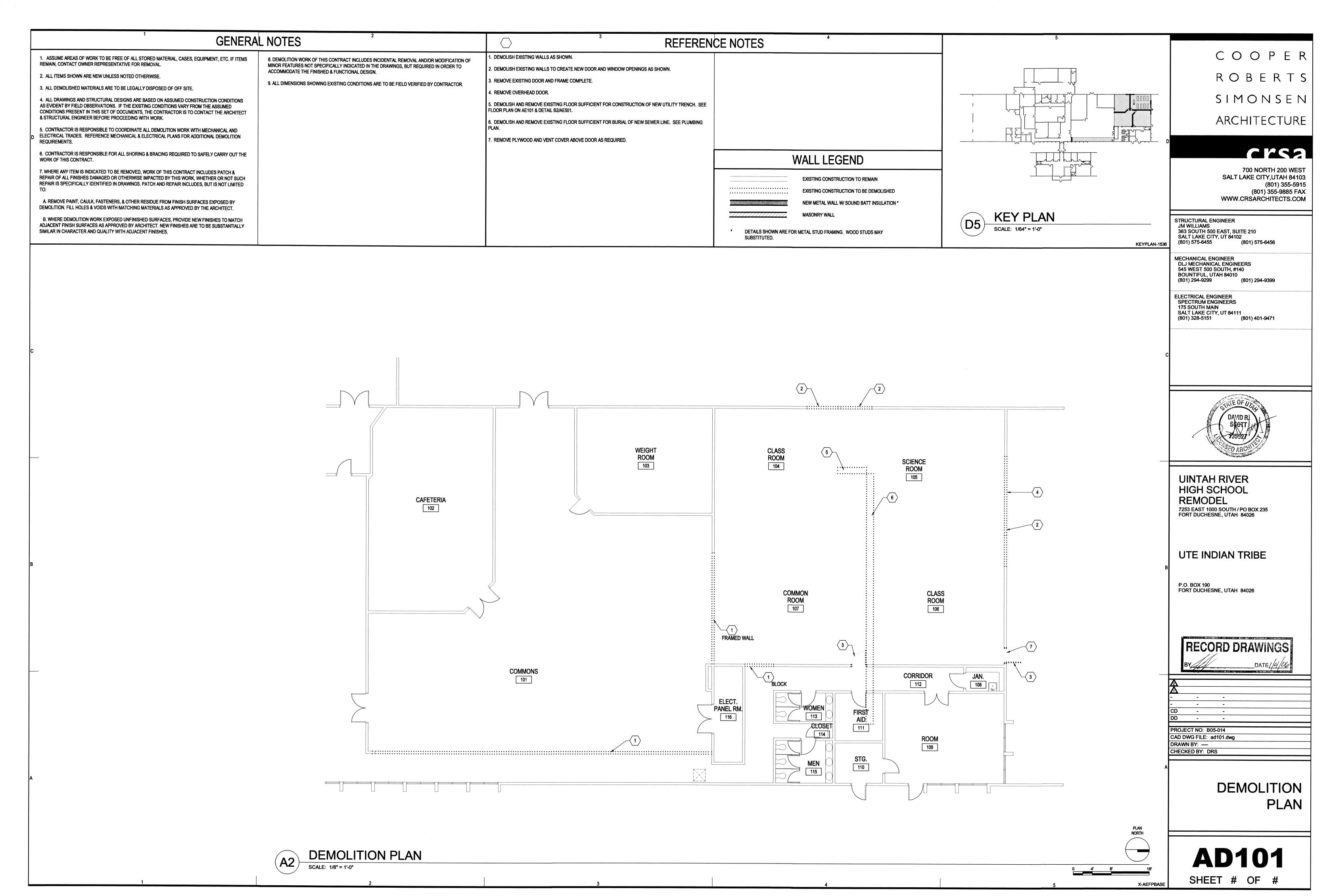
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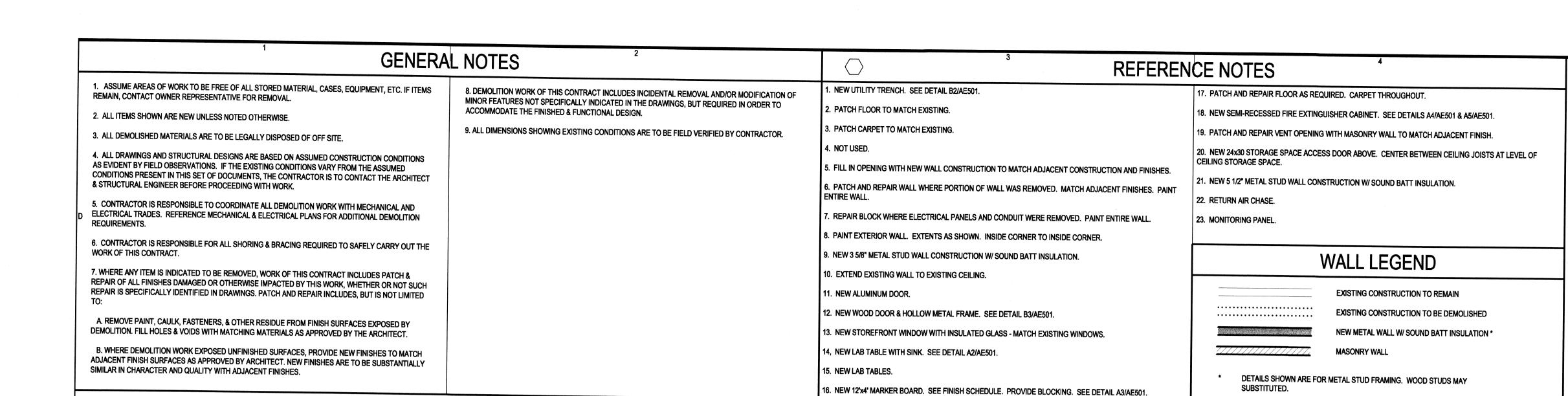
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	N BY:	giornang	
DRAW			

GENERAL INFORMATION

G1001

SHEET # OF #





COOPER
ROBERTS
SIMONSEN
ARCHITECTURE

crsa

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KEYPLAN-1536

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ELECTRICAL ENGINEER SPECTRUM ENGINEERS 175 SOUTH MAIN SALT LAKE CITY, UT 84111

(801) 328-5151

DAVID R. SCOTT 135527

UINTAH RIVER HIGH SCHOOL

REMODEL 7253 EAST 1000 SOUTH / PO BOX 235 FORT DUCHESNE, UTAH 84026

UTE INDIAN TRIBE

P.O. BOX 190 FORT DUCHESNE, UTAH 84026

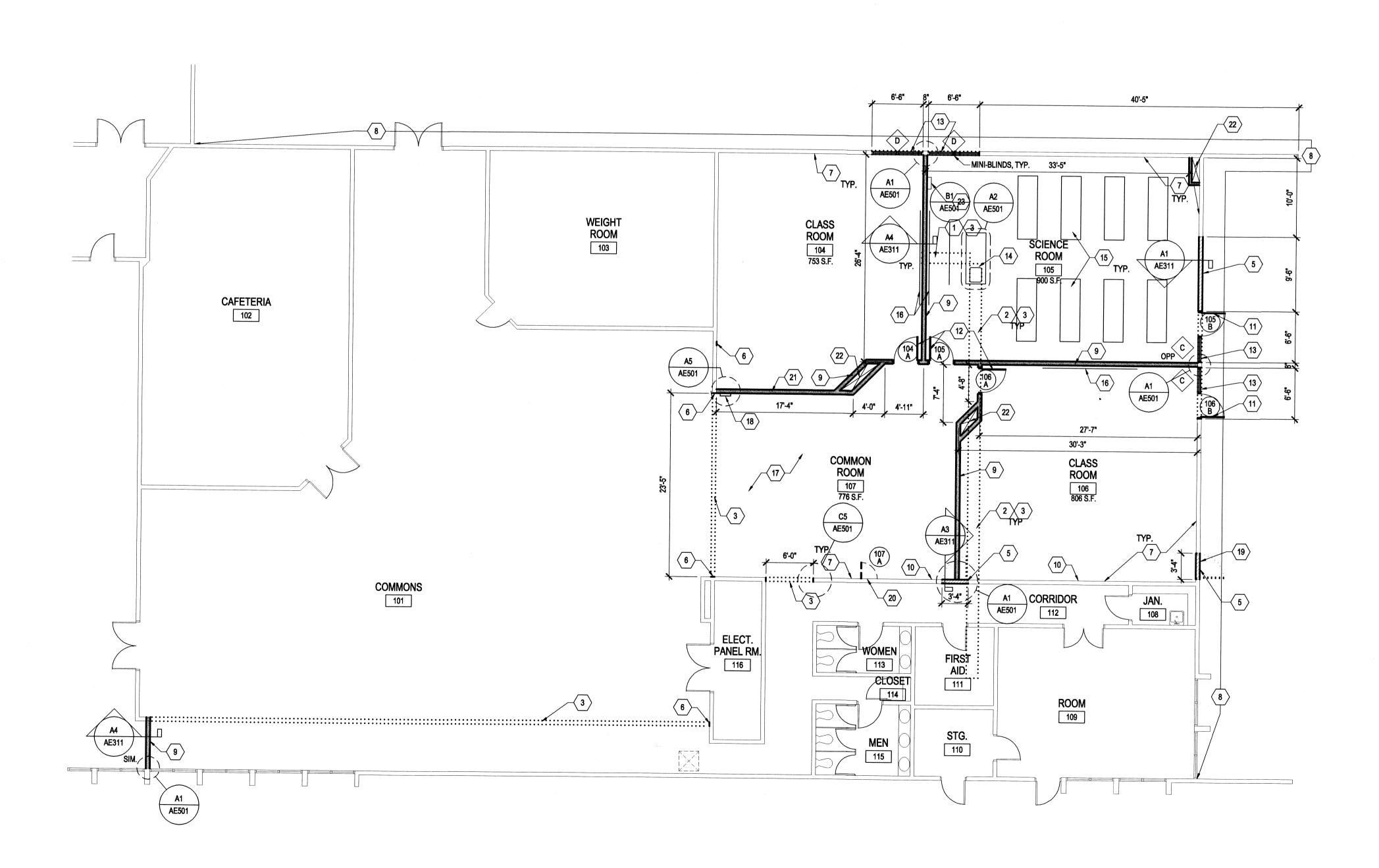
RECORD DRAWINGS

PROJECT NO: B05-014
CAD DWG FILE: ae101.dwg
DRAWN BY: JTA

CHECKED BY: DRS

FLOOR PLAN

AE101SHEET # OF #



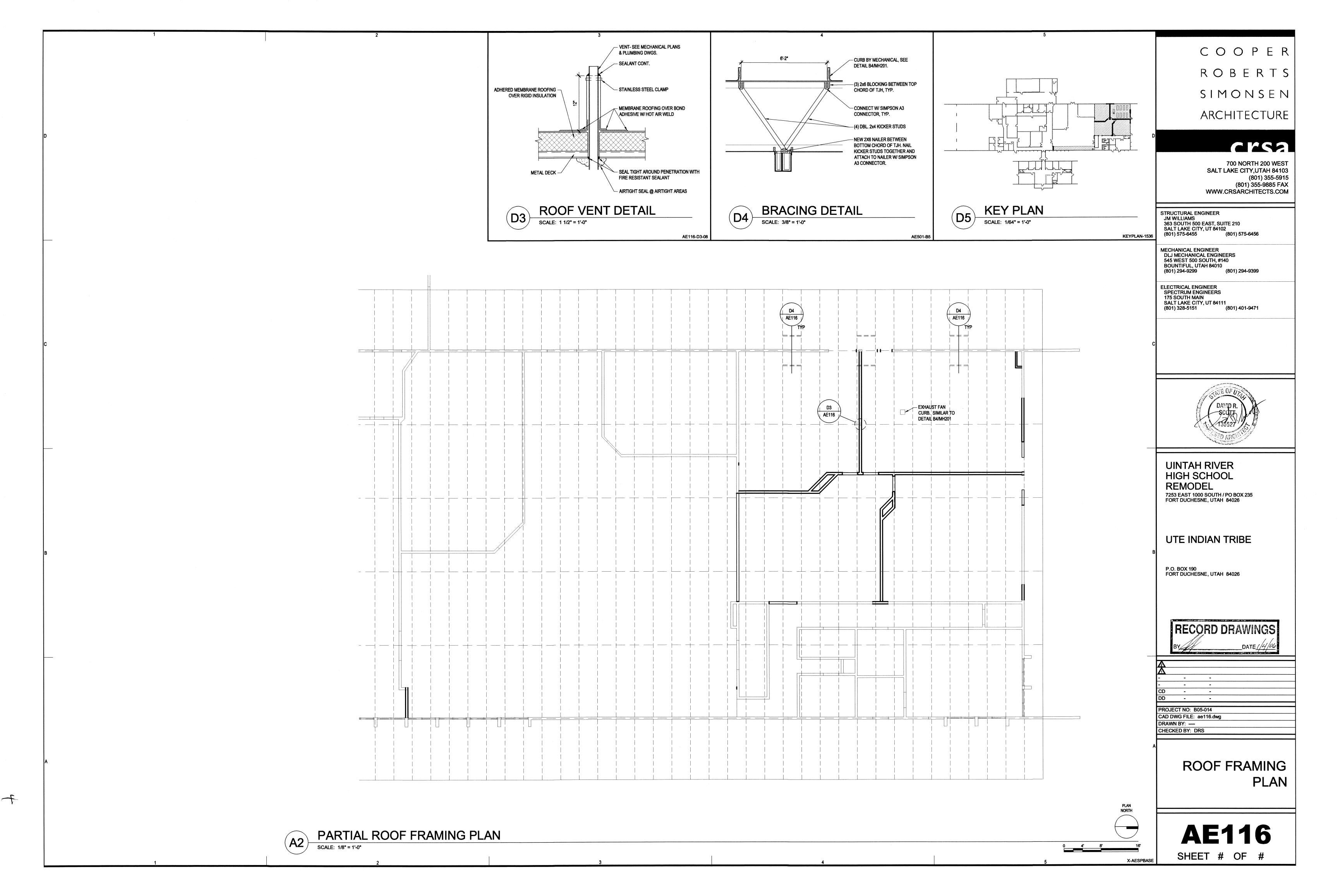


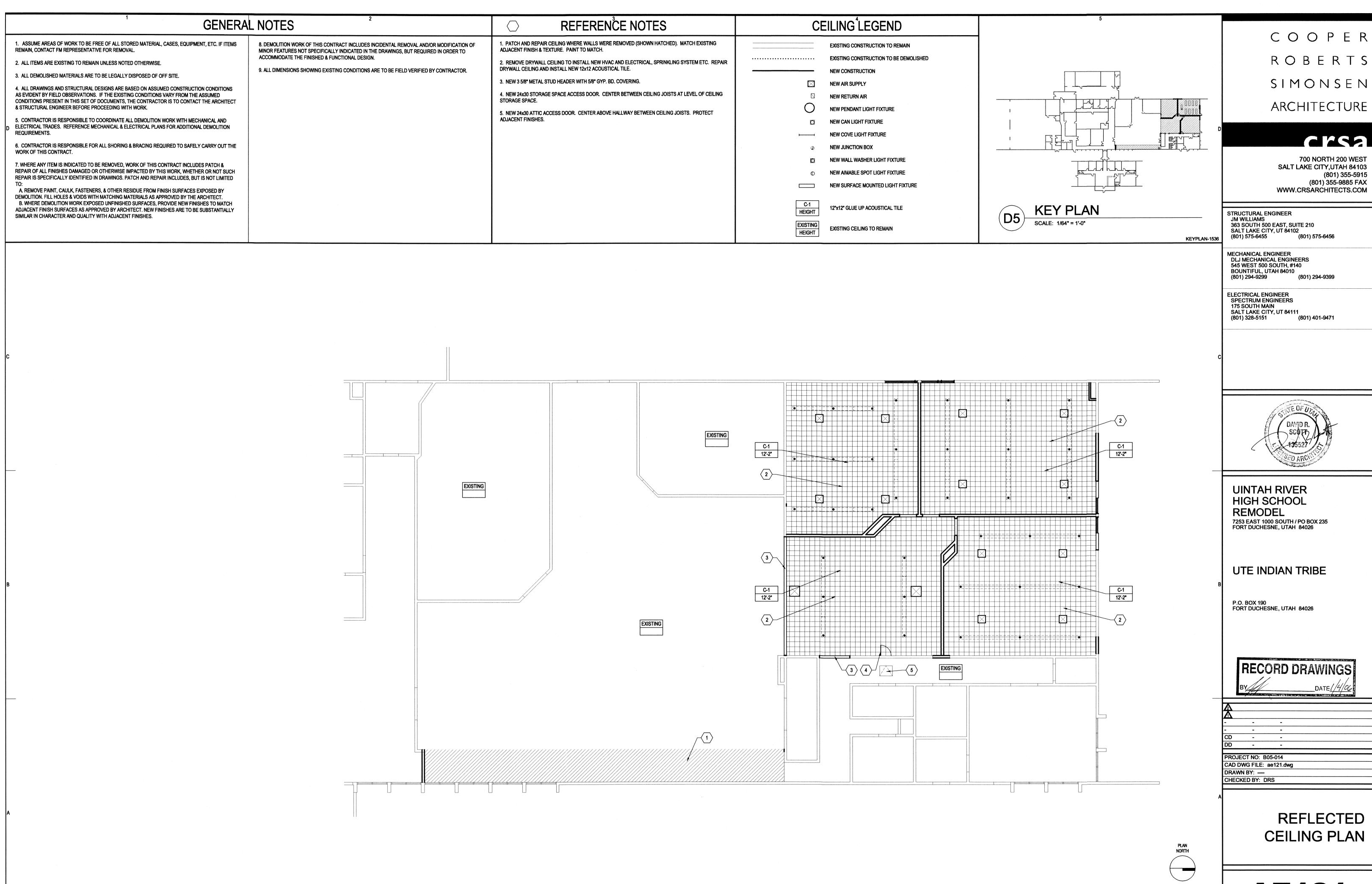
PARTIAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

Ν

0 4' 8' 16'





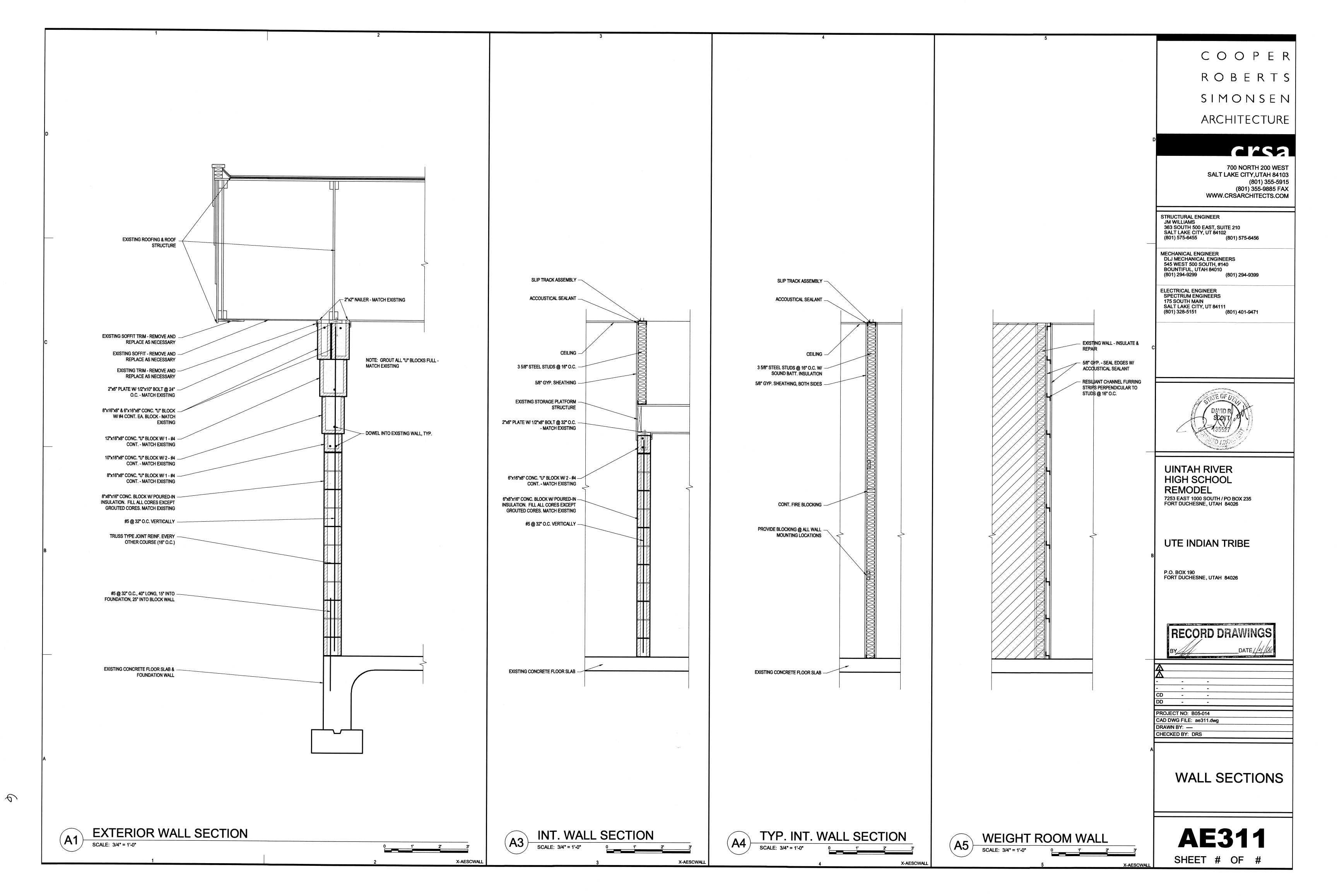
ROBERTS SIMONSEN

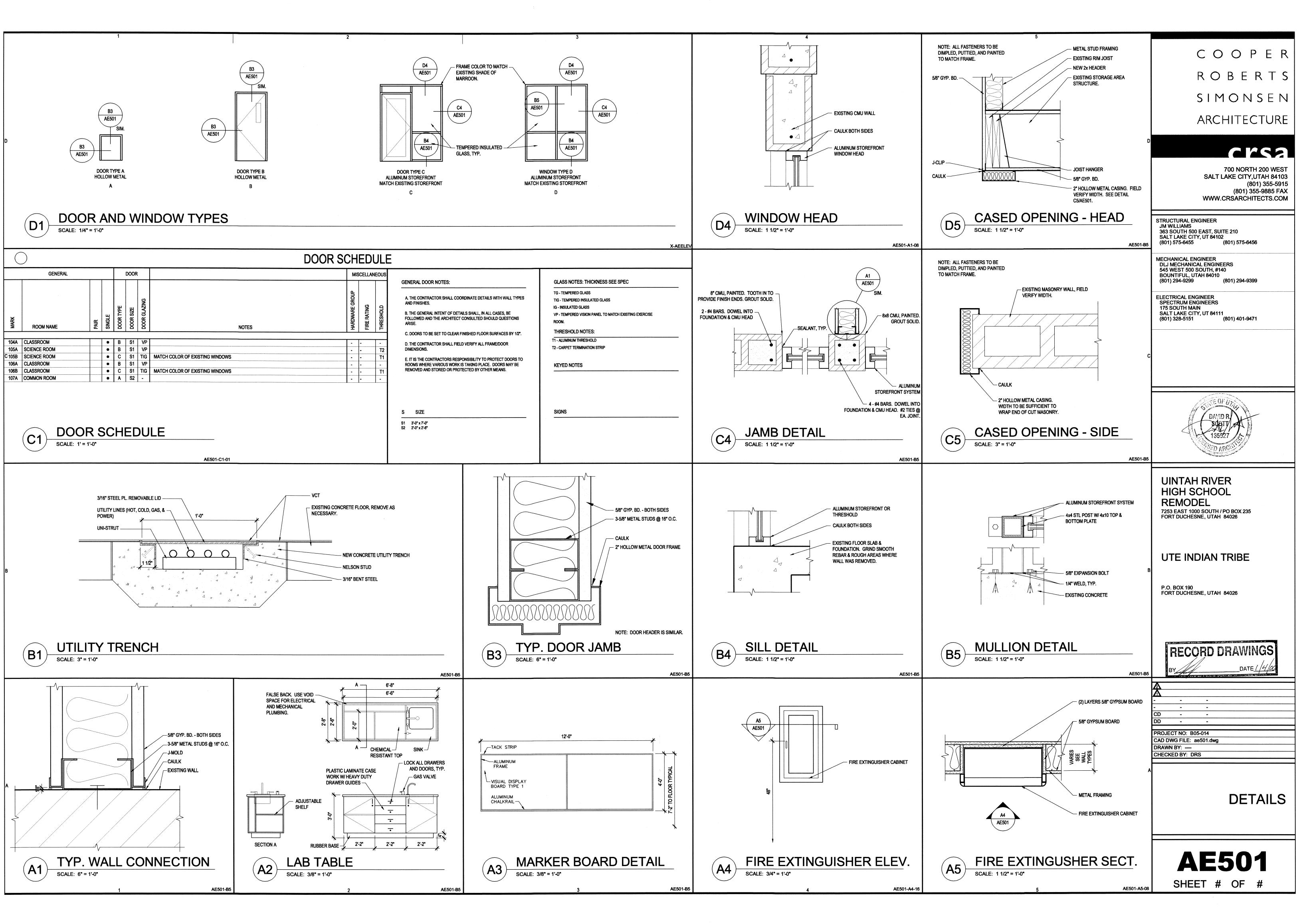


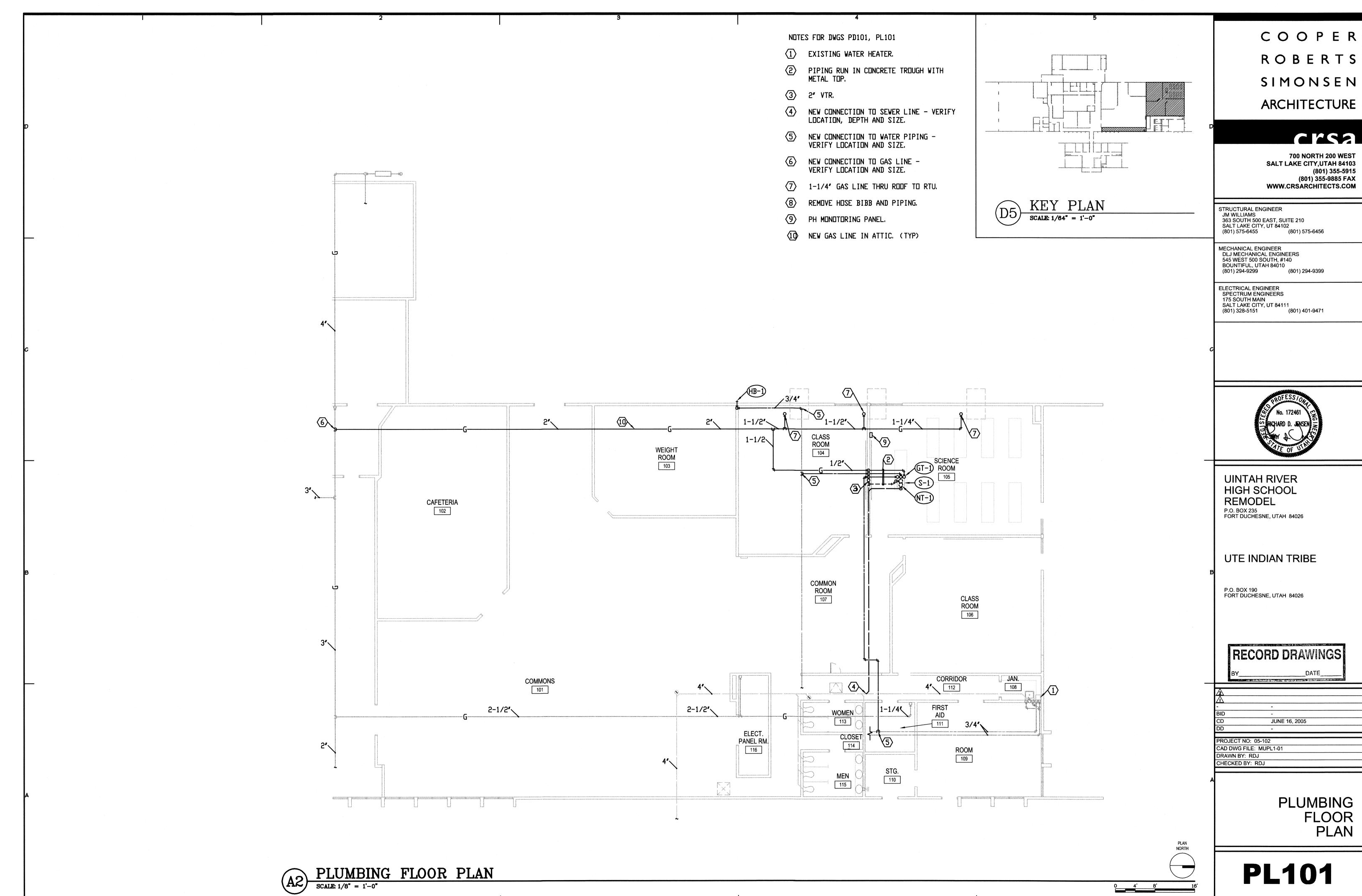
SHEET # OF #

SCALE: 1/8" = 1'-0"

PARTIAL REFLECTED CEILING PLAN

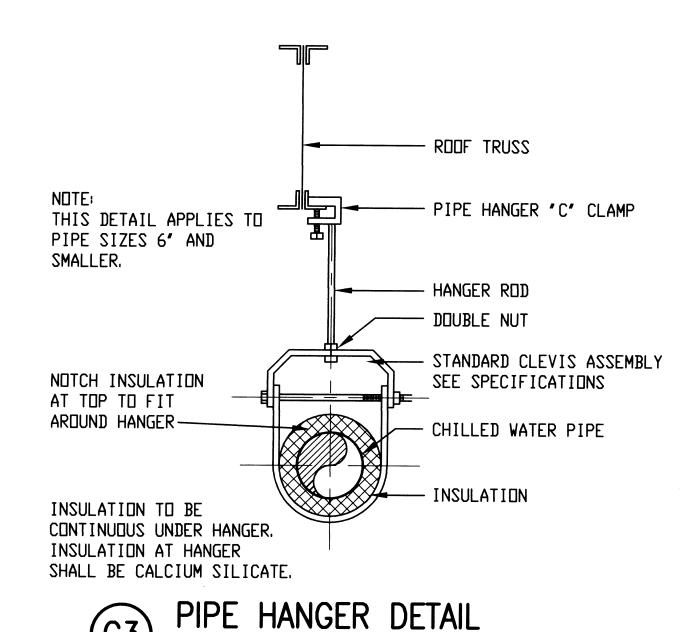


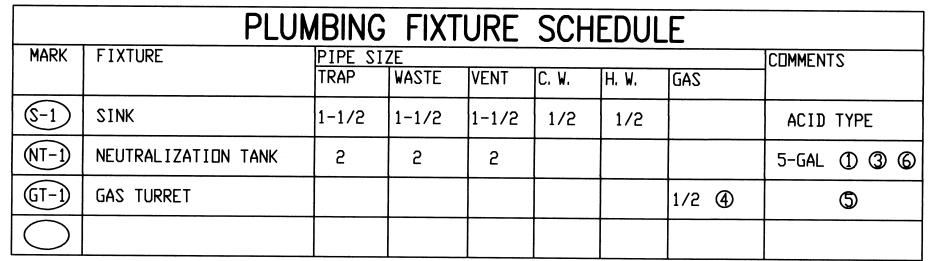




ROBERTS SIMONSEN

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① PH MONITORING.

COMBINATION DRAIN AND VENT.

ACID DWV PIPING ON INLET AND VENTS TO NEUTRALIZATION TANK.
PROVIDE SHUTOFF VALVE AND REGULATOR UNDER COUNTER.

5 2 DUTLETS AT 90°.
6 INCLUDES TANKS (2),

INCLUDES TANKS (2), PANEL, PROBE, ETC, SEE SPEC.

PLUMBING	G LEGEND
HOT WATER LINE	
COLD WATER LINE	
RECIRC LINE	
VENT LINE	
ABOVE GRADE WASTE LINE	
UNDER GRADE WASTE LINE	
GAS LINE	
DRAIN LINE	D
VENT THRU ROOF	VTR
WALL CLEAN OUT	WCO
CLEAN OUT	со
CLEAN OUT TO GRADE	СОТС
FLOOR CLEAN OUT	FCO
BALL VALVE	Ф
UNION	
GAS COCK VALVE	
PRESSURE REGULATOR	
DROP	— ю — ю
RISE	—-ю
ROOF DRAIN	RD
SECONDARY ROOF DRAIN	SRD
ROOF DRAIN (BELOW GRADE)	RD

COOPER
ROBERTS
SIMONSEN
ARCHITECTURE

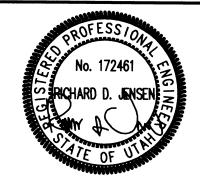
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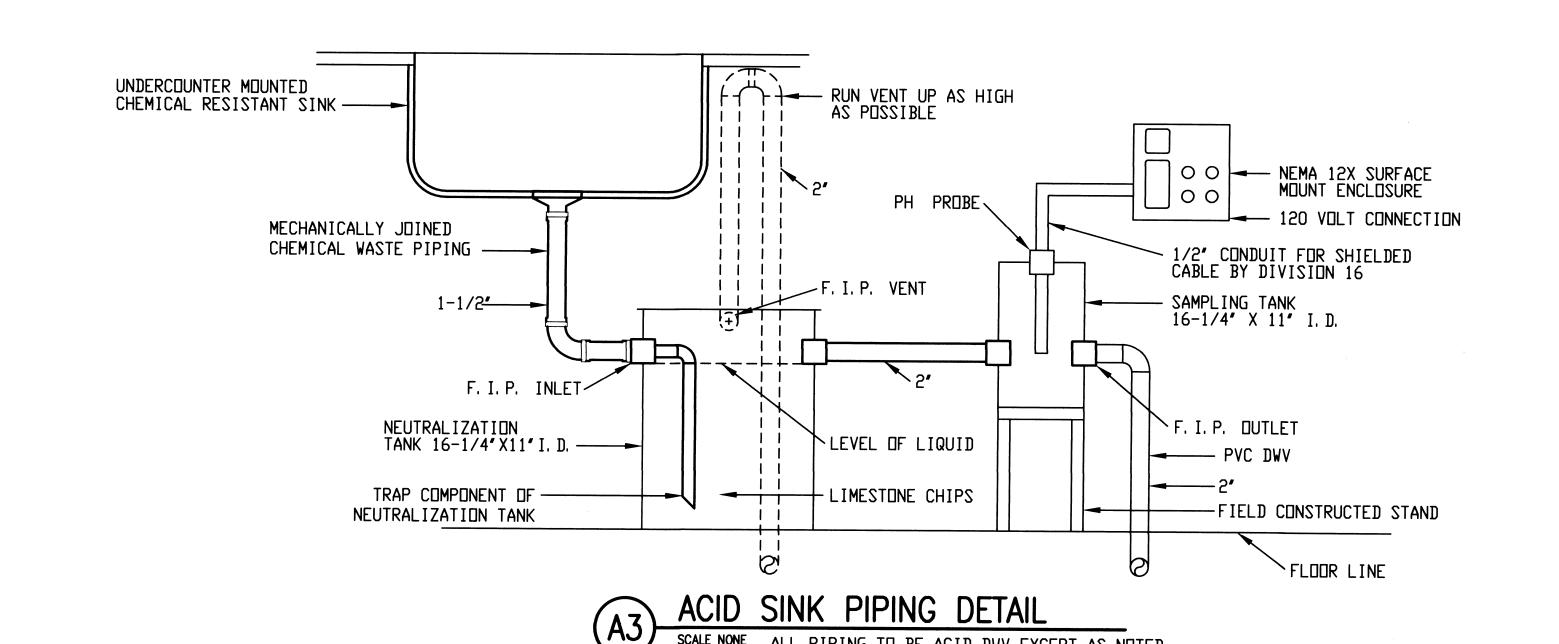
P.O. BOX 190 FORT DUCHESNE, UTAH 84026

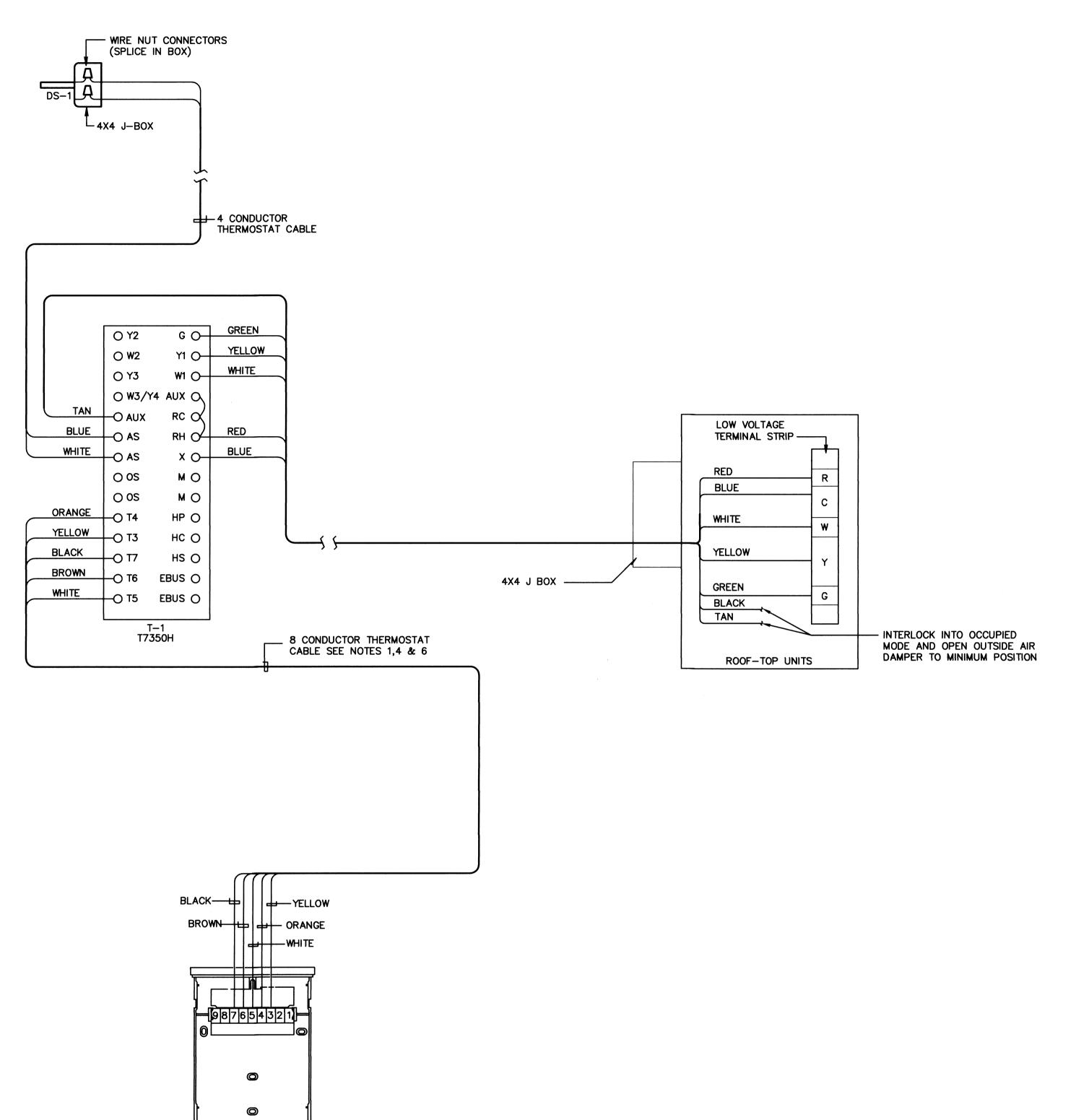
RECORD DRAWINGS

PROJECT NO: 05-102
CAD DWG FILE: MUPL2-01
DRAWN BY: RDJ
CHECKED BY: RDJ

MECHANICAL SCHEDULES & DETAILS

PL201





CONTROL EQUIPMENT DESCRIPTION T-1 THERMOSTAT T7350H1009 S-1 REMOTE TEMPERATURE SENSOR 20K OHM T7771A105 DS-1 DISCHARGE AIR SENSOR C7041B2013

1 ALL CATALOG NUMBERS SHOWN ARE HONEYWELL UNLESS NOTED OTHERWISE.

- 1. THERMOSTAT CABLE- 4, 8 OR 12 CONDUCTOR-18 AWG SOLID COPPER WIRE INSULATED WITH HIGH DENSITY POLYETHYLENE. CONDUCTORS PARALLEL. ENCLOSED IN BROWN PVC JACKET. (NO 22 AWG CABLE ALLOWED).
- 2. USE WIRE NUT CONNECTORS FOR SPLICING CONDUCTORS IN SPECIFIED LOCATIONS. AND TYTON TYPE CRIMP CONNECTORS FOR TERMINAL CONNECTIONS. NO TERMINAL CONNECTORS REQUIRED AT THERMOSTAT OR SENSOR.
- 3. DO NOT RUN ANY OTHER WIRING IN THIS CONDUIT EXCEPT THERMOSTAT CABLE.

STRUCTURAL ENGINEER JM WILLIAMS

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RECORD DRAWINGS

JUNE 16, 2005

CAD DWG FILE: MUMH2-02 DRAWN BY: RDJ CHECKED BY: RDJ

> **TEMPERATURE** CONTROL DIAGRAM

MH202

TYPICAL CONDUIT DIAGRAM - ROOF TOP UNITS

4 CONDUCTOR THERMOSTAT CABLE SEE NOTES 1 & 3

POWER BY DIV. 16

4 CONDUCTOR THERMOSTAT

- 8 CONDUCTOR THERMOSTAT CABLE SEE NOTES 1,2 & 3

NO SCALE

ROOF -TOP UNIT

DS-1

THERMOSTAT MOUNTED T IN ELECTRICAL ROOM

8 CONDUCTOR THERMOSTAT CABLE SEE NOTES 1,2 & 3

CONDUIT BY DIV. 15 WIRE BY DIV. 15

REMOTE SENSOR S
SEE PLANS FOR LOCATION.

CONDUIT AND WIRE BY DIV. 15

WIRING DIAGRAM ROOFTOP SYSTEM

SYSTEMS: RT-1, RT-2, RT-3

S-1

						ROC	FTOP A	IR CON	NINOITIC	IG UNIT	SCHEDU	JLE	34						
MARK	CFM	EXT S. P. IN W. G.	HEATING (1) INPUT MBH	DUTPUT MBH (5)	EAT DEG F	LAT DEG F	COOLING (2)) TOTAL MBH	SENS MBH	EAT DEG F	LAT DEG F	ELECTR1	CAL MOCP	VOLTS	PHASE	HERTZ	WEIGHT LBS.	MINIMUM	CARRIER MODEL NUMBER
RT 1	1600	0. 625	115 ⑥	92	47. 8	98. 9	4	37. 6	30. 1	79. 9	60	22. 5	30	208	3	60	780	450	48HJ005
RT 2	2000	0. 625	150	120	52. 2	105. 6	5	46	43. 8	77	57. 6	28. 9	35	208	3	60	800	450	48HJ006
RT 3	1600	0, 625	115 ⑥	92	47. 8	98. 9	4	36. 2	30, 2	81. 5	61. 3	22. 5	30	208	3	60	780	450	48HJ005
\bigcirc																			

SINGLE STAGE HEATING 3-5 TONS, TWO STAGE 6-15 TONS.
SINGLE STAGE COOLING 3-6 TONS, TWO SAGE 7.5-15 TONS.
MIN DA HOOD 3-5 TONS, ECONOMIZER WITH POWER RELIEF 6-15 TONS.

SMOKE DETECTOR 6-15 TONS.

SEA LEVEL.

STAINLESS STEEL HEAT EXCHANGER.

		EX	HAUST	FAN	SCHEDUL	E		
EXHAUST FAN ND.	MANUFACTURER & MODEL NO.	CFM	ST. PR. IN. W. G.	HP	VOLTS-PHASE CYCLE	RPM	WEIGHT LBS.	COMMENTS
EF 1	COOK 120 ACEB	600	0. 25	1/4	120/1/60	880	160	①

① CONTROL BY DIVISION 16.

		RE	GISTEF	R AND G	RILLE	SCHE	DULE		
MARK	TYPE	MFG.	MODEL	NECK SIZE	CFM RANGE	FRAME	MAT.	FINISH	COMMENT
D-1	CEILING DIFFUSER	TITUS	TDC	12" DIA. (15 X 15)	600	TYPE 1	STEEL	WHITE	1
D-5	CEILING DIFFUSER	TITUS	TDC	14" DIA. (15 X 15)	900	TYPE 1	STEEL	WHITE	①
E-1	EXHAUST GRILLE	TITUS	355R	14 X 14	600	TYPE 1	STEEL	WHITE	
R-1	SIDEWALL RETURN	TITUS	33RS	16 X 30	1600	TYPE 1	STEEL	WHITE	2
R-2	SIDEWALL RETURN	TITUS	33RS	16 X 34	2000	TYPE 1	STEEL	WHITE	@

SEE DRAWINGS FOR BLOW DIRECTION. MOUNT AT +8' AFF.

COOPERROBERTS SIMONSEN ARCHITECTURE

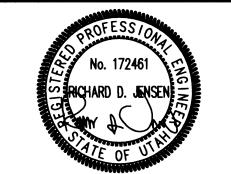
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UINTAH RIVER HIGH SCHOOL REMODEL P.O. BOX 235 FORT DUCHESNE, UTAH 84026

UTE INDIAN TRIBE

P.O. BOX 190 FORT DUCHESNE, UTAH 84026

RECORD DRAWINGS

JUNE 16, 2005

CAD DWG FILE: MUMH3-01 DRAWN BY: RDJ CHECKED BY: RDJ

MECHANICAL SCHEDULES

MH301

-	· · · · · · · · · · · · · · · · · · ·	SYMBOL LEGEND
	MBOL	DESCRIPTION E AND LINE SYMBOLS
REFI	ERENC	E AND LINE SIMBOLS
I	A5 -501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
E	A5 (-201)	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
1	100	ROOM OR SPACE NUMBER.
<	1	KEYNOTE INDICATOR.
	$ \uparrow $	REVISION INDICATOR.
C	<u>U−1</u> >	EQUIPMENT INDICATOR.
	✓ ₁	BREAK, ROUND.
		NEW LINE: MEDIUM LINE.
		HIDDEN FEATURES LINE: HIDDEN, THIN LINE.
WIRI	NG ME	THODS
		WIRING.
A-	-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN SECTION 16120.
A-		BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE. FOR BRANCH WIRING USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN SECTION 16120.
	FA — FO — FO — FO — FO — FC — FC — FC — FC	WIRING AND/OR RACEWAY: THIN LINE. FA FOR FIRE ALARM, FO FOR FIBER OPTICS, I FOR INTERCOM, P FOR POWER, RC FOR RIGID CONDUIT, S FOR SOUND, T FOR TELEPHONE, TV FOR TELEVISION AND OTHERS AS NOTED IN OTHER SCHEDULES. RACEWAYS AND WIRING SHALL BE SIZED AS SHOWN AND/OR SPECIFIED.
		LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
(1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
	0	JUNCTION BOX.
LIGH	HTING	(REFER TO FIXTURE SCHEDULE FOR SYMBOLS)
(V	N-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(V	W-3)	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	EM	EMERGENCY.
	NL	NIGHT LIGHT: DO NOT SWITCH.
STR	UCTUR	ED CABLING
	▼	OUTLET, BUILDING STANDARD COMBINATION TELEPHONE/DATA COMMUNICATION.
CLO	CK, IN	TERCOM, SOUND, TV
	S	PAGING SPEAKER.
FIRE	E ALAF	RM
I	FCP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
<u> </u>		ALARM, HORN/STROBE, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
<u> </u>	ING DE	
	<u></u>	RECEPTACLE, DUPLEX: NEMA 5-20R.
	₩	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
	*** *	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
	\$	11.1.08.16.1.0.1.6.2.2

ELE	CTRICAL SHEET INDEX
SHEET NO	SHEET TITLE
EE001	SYMBOL LEGEND/SHEET INDEX
EE002	SCHEDULES
ED101	DEMOLITION PLAN
EP101	POWER PLAN
EL101	LIGHTING PLAN
EY101	AUXILIARY PLAN

ABBREVIATIONS

EVIATIONS MAY NOT BE USED.

kVAR

	ABBRE
	NOTE: ALL ABBRE
114/4	SINGLE POLE SINGLE-PHASE
1WAY 2/C	ONE-WAY TWO-CONDUCTOR
2WAY 3/C	TWO-CONDUCTOR TWO-WAY THREE-CONDUCTOR THREE-PHASE THREE-WAY QUADRUPLE RECEPTAC
3PH 3WAY	THREE-PHASE THREE-WAY
	OUTLET
	FOUR-POLE DOUBLE THROW
	FOUR-POLE SINGLE THROW
	THROW FOUR-WIRE FOUR-WAY
ADA	ARMORED CABLE
ADJ	DISABILITIES ACT ADJACENT ABOVE FINISHED FLOO ABOVE FINISHED GRAD AMPERE INTERRUPTING
AFF AFG	ABOVE FINISHED FLOO ABOVE FINISHED GRAD
l .	CAPACITY
	ALUMINUM AMPERE
	ANNUNCIATOR
ANN AR ASC ATS	AS REQUIRED AMPS SHORT CIRCUIT AUTOMATIC TRANSFER
AV	SWITCH AUDIO VISUAL
AWG BB XFMR	AMERICAN WIKE GAGE
	TRANSFORMER
	COMMUNITY ANTENNA TELEVISION
CB CCBA	CIRCUIT BREAKER CUSTOM COLOR AS SELECTED BY ARCHITE
CCTV	CLOSED CIRCUIT
CFBA	TELEVISION CUSTOM FINISH AS SELECTED BY ARCHITE CONTRACTOR FURNISH
CF/CI	CONTRACTOR FURNISH
CF/OI	CONTRACTOR INSTALLICONTRACTOR FURNISH
CKT	OWNER INSTALLED CIRCUIT
CM CND CO COR	CONSTRUCTION MANAGE CONDUIT CONVENIENCE OUTLET CONTRACTING OFFICER
COR	CONVENIENCE OUTLET
CP	CONTRACTING OFFICER REPRESENTATIVE CONTROL PANEL CURRENT TRANSFORMI CABLE TELEVISION COPPER
CT CTV CU	CURRENT TRANSFORMI
I dBA	COPPER UNIT OF SOUND LEVEL DOUBLE POLE DOUBLE
	THROW
DS EA	DISCONNECT SWITCH EACH
EM EMT	EMERGENCY ELECTRICAL METALLIC
FNT	TUBING FLECTRICAL NONMETAL
EPO	TUBING EMERGENCY POWER O EQUIPMENT
EXIST	EXISTING
FA FCP	FIRE ALARM FIRE ALARM CONTROL
FLA	PANEL FULL LOAD AMPS
FMC FOB	FLEXIBLE METALCONDU FREIGHT ON BOARD
FVNR	FULL VOLTAGE NON-REVERSING
FVR G	FULL VOLTAGE REVER GROUND
GEN GFCI	GENERATOR GROUND FAULT CIRCU
GFP	INTERRUPTER GROUND FAULT
HD	PROTECTION HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HOA HP	HAND-OFF-AUTOMATI HORSE POWER
HPF HPS	HIGH POWER FACTOR HIGH PRESSURE SODIL
luv	HIGH VOLTAGE

KILOVOLT AMPERE REACTIVE KILOWATT KILOWATT HOUR LIGHT EMITTING DIODE LIQUID TIGHT FLEXIBLE METAL CONDUIT LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT LOW PRESSURE SODIUM LOCKED ROTOR AMPS LOW VOLTAGE TELEVISION SYSTEM

LIGHTING MASTER ANTENNA MAXIMUM METAL CLAD MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MCP MOTOR CIRCUIT PROTECTION MAIN DISTRIBUTION PANEL MOTOR GENERATOR MANHOLE MINIMUM

MAIN LUGS ONLY MOCP MAXIMUM OVERCURRENT PROTECTION NOT APPLICABLE NORMALLY CLOSED NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NATIONAL FIRE CODE NEPA NATIONAL FIRE PROTECTION ASSOCIATION **TECT** NOT IN CONTRACT NIGHT LIGHT

NORMALLY OPEN NOT TO SCALE ON CENTER OVER CURRENT PROTECTION OWNER FURNISHED/ CONTRACTOR INSTALLED OWNER FURNISHED/ OWNER INSTALLED OBTAIN FROM PLANS OVERHEAD (COILING) R'S OH DR **OVERLOAD PUSHBUTTON** POWER FACTOR PHASE PANEL POTENTIAL TRANSFORMER QUANTITY

REFLECTED CEILING PLAN RIGID METAL CONDUIT RNC RIGID NONMETALLIC CONDUIT REVOLUTIONS PER MINUTE REMOVE AND RELOCATE SHORT CIRCUIT AMPS SCBA STANDARD COLOR AS SELECTED BY ARCHITECT SQUARE FOOT (FEET) STANDARD FINISH AS SELECTED BY ARCHITECT SINGLE POLE, DOUBLE SPECIFICATION SINGLE POLE, SINGLE

START/STOP

SINGLE THROW

SWITCHBOARD

SWITCHGEAR

TWIST LOCK

BOARD

TELEVISION

TYPICAL

SUPPLY

UNDERFLOOR

UNDERGROUND

VOLT AMPERE

CONTROLLER

WEATHERPROOF

TRANSFORMER

WITHOUT

TELEPHONE POLE TWISTED PAIR

TELEPHONE TERMINAL

TRANSIENT VOLTAGE

SURGE SUPPRESSER

UNINTERRUPTIBLE POWER

VARIABLE FREQUENCY

RSING S/S SWGR

HIGH VOLTAGE HERTZ ISOLATED GROUND INTERMEDIATE METAL INSULATED/ISOLATED INPUT/OUTPUT INFRARED KILOVOLT

KILOVOLT AMPERE

GENERAL ELECTRICAL NOTES

1. CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC. SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE

2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.

A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.

B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED. DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.

C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING. UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.

3. EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.

4. SUBMITTALS: PROVIDE SUBMITTALS IN THREE RING BINDERS WITH JOB NAME, SUBCONTRACTOR, AND VOLUME ON THE BINDING. PREPARE TABS FOR EACH SPECIFICATION SECTION REQUIRING SUBMITTALS. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH

5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS

"SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN

"DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND

THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS,

ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

COMPLETE AND READY FOR THE INTENDED USE."

APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH

APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES

AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND

DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING,

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT

ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO

DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL,

SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A

REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED

ELECTRONIC SYSTEMS: THE TERM "ELECTRONIC SYSTEMS" IS USED TO

DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS

NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF

SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS,

LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV

ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY

PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION,

"SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT

ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE,

PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING,

REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER

PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC

IS INTENDED.

CONDITIONS.

OPERATIONS."

TO PERFORM.

SIMILAR PHRASES.

COOPERROBERTS SIMONSEN ARCHITECTURE

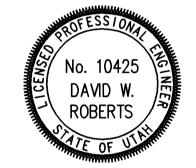
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P.O. BOX 235 FORT DUCHESNE, UTAH 84026

UTE INDIAN TRIBE

P.O. BOX 190 FORT DUCHESNE, UTAH 84026

RECORD DRAWINGS

6/16/05 -

ROJECT NO: 20050369 CAD DWG FILE: 69ee001.dwg

DRAWN BY: PSS CHECKED BY: DWR

SYMBOL LEGEND/ SHEET INDEX

EE001

SHEET # OF #

EQU	IPMENT SCHEDULE KEY
Ε	DIVISION 16
Q v	FURNISHED WITH THE EQUIPMENT
*	COORDINATE WITH THE DIVISION 15 TEMPERATURE CONTROL INSTALLER
**	AUTOMATIC CONTROL WIRING BY DIVISION 15

													EQ	UI	PMEI	NT S	CF	HEDL	JLE													·
MARK										WIRE AND CONDUIT SIZE			OVERCURRENT PROTECTION		DISCONN	ECT		STARTER DATA										NOTES	MARK			
			HP	kW	MCA	FLA V	OLT	PH	Hz		FURN BY			FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	LOCATION	SIZE	SPEED		SELECTOR SWITCH	PUSH BUTTON	PILOT LAMP	OPEN	NORMALLY CLOSED CONTACTS	FAILURE	SCHEMATIC REFERENCE	REMOTE CTRL		
RT-1	1	ROOF TOP UNIT			22.5	2	80	3	60	3 EA #8AWG, 1EA #10 AWG GND, 1"CONDUIT	E	40/3 C. B.	PANEL EXISTING	Ε	30/3 RK5-30	ADJ TO UNIT	Q															RT–1
RT-2	1	ROOF TOP UNIT			28.9	2	08	3	60	3 EA #6AWG, 1EA #10 AWG GND, 1"CONDUIT	Е	50/3 C. B.	PANEL EXISTING	E	60/3 RK5-35	ADJ TO UNIT	Q			-												RT-2
RT-3	1	ROOF TOP UNIT ROOF			22.5	2	80	3	60	3 EA #8AWG, 1EA #10 AWG GND, 1"CONDUIT	E	40/3 C. B.	PANEL EXISTING	Ε	30/3 RK5-30	ADJ TO UNIT	Q															RT-3
EF-1	1	EXHAUST FAN ROOF	1/4			1	20	1	60	2 EA #12AWG, 1EA #12 AWG GND, 3/4"CONDUIT	E	20/1 C. B.	PANEL EXISTING	E	THERMAL SWITCH	ADJ TO UNIT	E	WALL SWITCH	SCIENCE ROOM													EF-1
										•																						

LIGHTING FIXTURE SCHEDULE

NOTE TO BIDDERS: COMPLY WITH SECTIONS 16511, 16521, AND 16570 OF THE SPECIFICATIONS. REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, BALLASTS, AND LAMPS. THE CATALOG NUMBERS LISTED BELOW HAVE BEEN CAREFULLY PREPARED TO ASSIST BIDDERS IN SELECTING PRODUCTS TO ACHIEVE THE DESIGN CONCEPT, HOWEVER, PRIOR TO BIDDING, EACH MANUFACTURER SHALL COMPARE THE CATALOG NUMBERS SHOWN WITH THE DESCRIPTION AND REQUIREMENTS ON THE DRAWINGS, AND SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES. SPECIFICALLY INCLUDED IN THIS EVALUATION SHALL BE THE VERIFYING OF PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS. NO ALLOWANCE OR REDRESS WILL BE ALLOWED FOR DISCREPANCIES THAT WERE NOT REPORTED TO THE ARCHITECT/ENGINEER IN TIME FOR CORRECTION OR CLARIFICATION BEFORE THE BID. THE REPORTING OF ANY AMBIGUITY IS THE RESPONSIBILITY OF THE BIDDER. PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS AND EMPOWER THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER. SUBMITTAL PACKAGE SHALL INCLUDE LAMP MANUFACTURER AND CATALOG NUMBER ON EACH FIXTURE SHEET. ON ALL PENDANT MOUNTED FIXTURES, PROVIDE A SECOND SET OF PENDANTS, OF A DIFFERENT LENGTH, AS DIRECTED BY THE ARCHITECT/ENGINEER, PROVIDED AND INSTALLED AT NO ADDITIONAL CHARGE. ALL FIXTURES SHALL BE APPROVED BY UL OR ANOTHER ACCEPTABLE TESTING LAB FOR THE PURPOSE INTENDED AND WITH THE LAMP AND BALLAST PROPOSED. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES. UNIVERSAL VOLTAGE (120/277)

BALLASTS REQUIRED UNLESS NOTED OTHERWISE.
FIXTURE CHARACTERISTICS

EMERGENCY BATTERY PACK.

BODY / AIR / MOUNTING / DOOR

SYMBOL MARK

LENS/LOUVER/REFLECTOR/OTHER

LAMP

WATTS

VOLTS

MANUFACTURER CATALOG NUMBER

CT

EXTRUDED ALUMINUM FIXTURES: LENGTHS AND CONFIGURATIONS SHOWN ON THE DRAWINGS; LAMPS FOUR FOOT WHERE POSSIBLE;

PROGRAMMED START ELECTRONIC BALLASTS; T8 LAMPS; INTERNAL CONCEALED FASTENERS; CAST ELBOWS AND FITTINGS;

COLOR AS NOTED AND/OR APPROVED BY ARCHITECT; ORIENT FIXTURE ACCORDING TO ARCHITECTS/ENGINEER'S INSTRUCTIONS.

IF TRACK OR MONOPOINT FIXTURES INDICATED AS PART OF THE ASSEMBLY, SEE FIXTURE SCHEDULE FOR DETAILS. SWIVEL

STEM MOUNT UNLESS NOTED OTHERWISE. INSTALL LEVEL AND STRAIGHT WITH INVISIBLE SPLICES. PROVIDE ALL REQUIRED

HANGERS, SPLICERS, END CAPS, JOINTS, FEEDS, ETC., FOR A COMPLETE INSTALLATION. 2-F32T8 60W/4' 277/120V LEDALITE 252-6-T02-S-D-XX-X-UNIV P.S.-C CT-5 10 1/2" X 3 1/2" DIRECT/ AR9307-XX-OP/PB-F01-T8-UNI-VOLT-PROGRAM STAF INDIRECT SPECULAR LOUVERED E310-B-2-ET8-XXX-BR/PBL-SXX-BW-NO-XX' LINEAR DOWN, OPEN UP, MOSTLY 93DIP/2T8/S79/XXSST/XXFT/XXX NEORAY DOWN REFLECTOR; PENDANT EOV10-DI-SP-2/OCT-X-EBSPEC-12/27 MOUNTED AT HEIGHT DIRECTED GO13BW-232T8-XXXVERS-X-XX-40U/PBB2"-PTD-LI BY ARCHITECT. (60% DOWNLIGHT) GAMMALUX CD7-2-X-X-XX-UP

E PREFIX INDICATES THAT FIXTURE IS PROVIDED WITH AN EMERGENCY BATTERY PACK TO PROVIDE POWER TO ANY 2, 3, 4 OR 8 FOOT FLOURESCENT LAMP COMPATIBLE WITH ALL STANDARD AND ELECTRONIC BALLASTS; COMPLETELY SELF—CONTAINED TO PROVIDE 90 MINUTES OF EMERGENCY POWER TO FIXTURE BALLAST; MINIMUM LIGHT OUTPUT FOR TYPICAL 4' LAMP SHALL BE 1100 LUMENS OR HIGHER; UNIVERSAL TRANSFORMER FOR 120 OR 277 VOLTS; LOW VOLTAGE PROTECTION, COMBINATION TEST SWITCH AND AC "ON" INDICATOR; 10 YEAR PRO—RATA WARRANTY; INSTALL TEST SWITCH IN A MANNER THAT REQUIRES NO DISASSEMBLY FOR TESTING.

120/277V3W

IOTA I-80
BODINE B50
LITHONIA PS-1400
PRESCOLITE EFPS-5
EELP EB1400
CHLORIDE CFP841
LIGHTOLIER FBP50
SIDELITE S60F

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STRUCTURAL ENGINEER

JM WILLIAMS

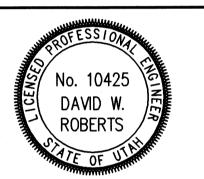
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UTE INDIAN TRIBE

P.O. BOX 190 FORT DUCHESNE, UTAH 84026

RECORD DRAWINGS

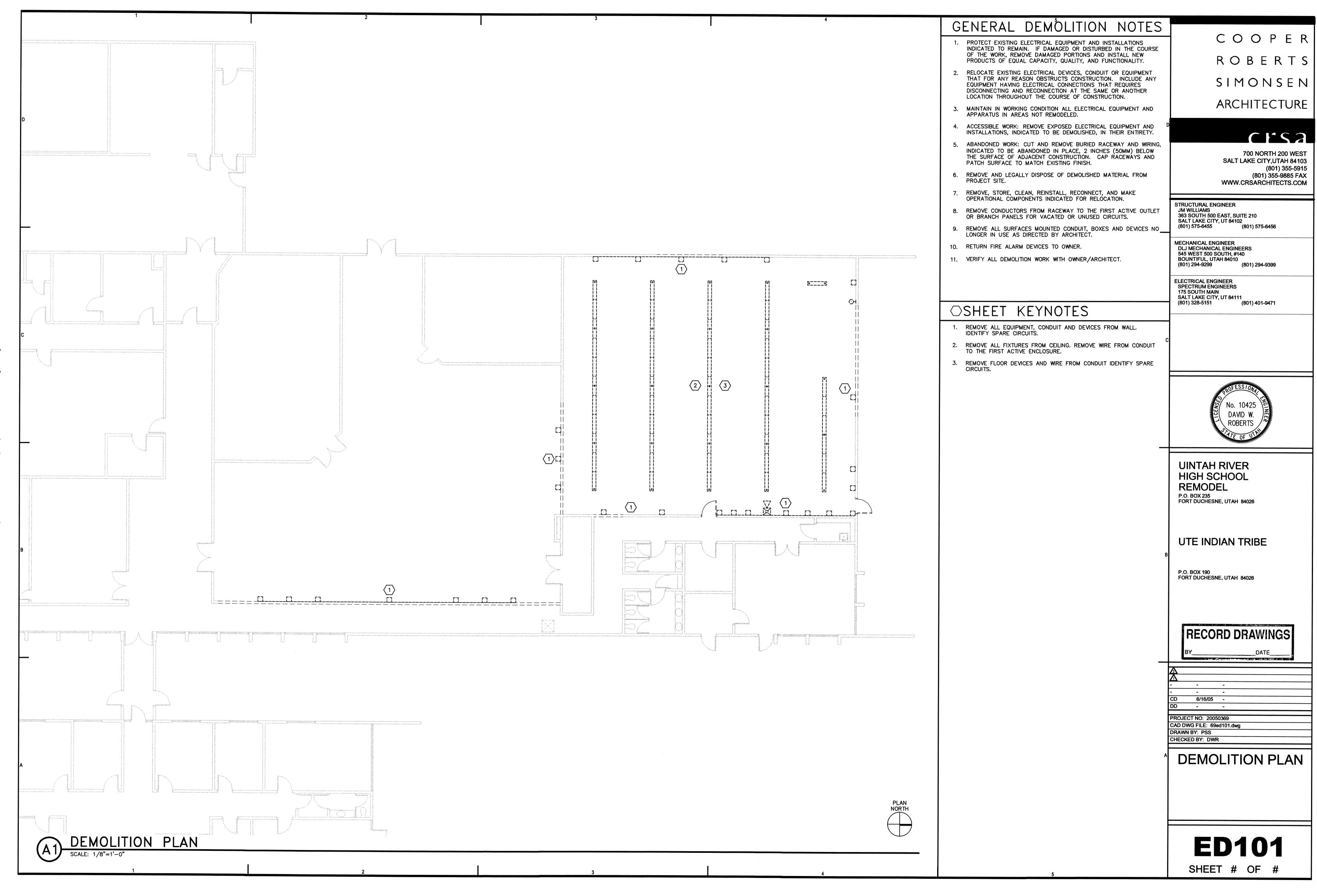
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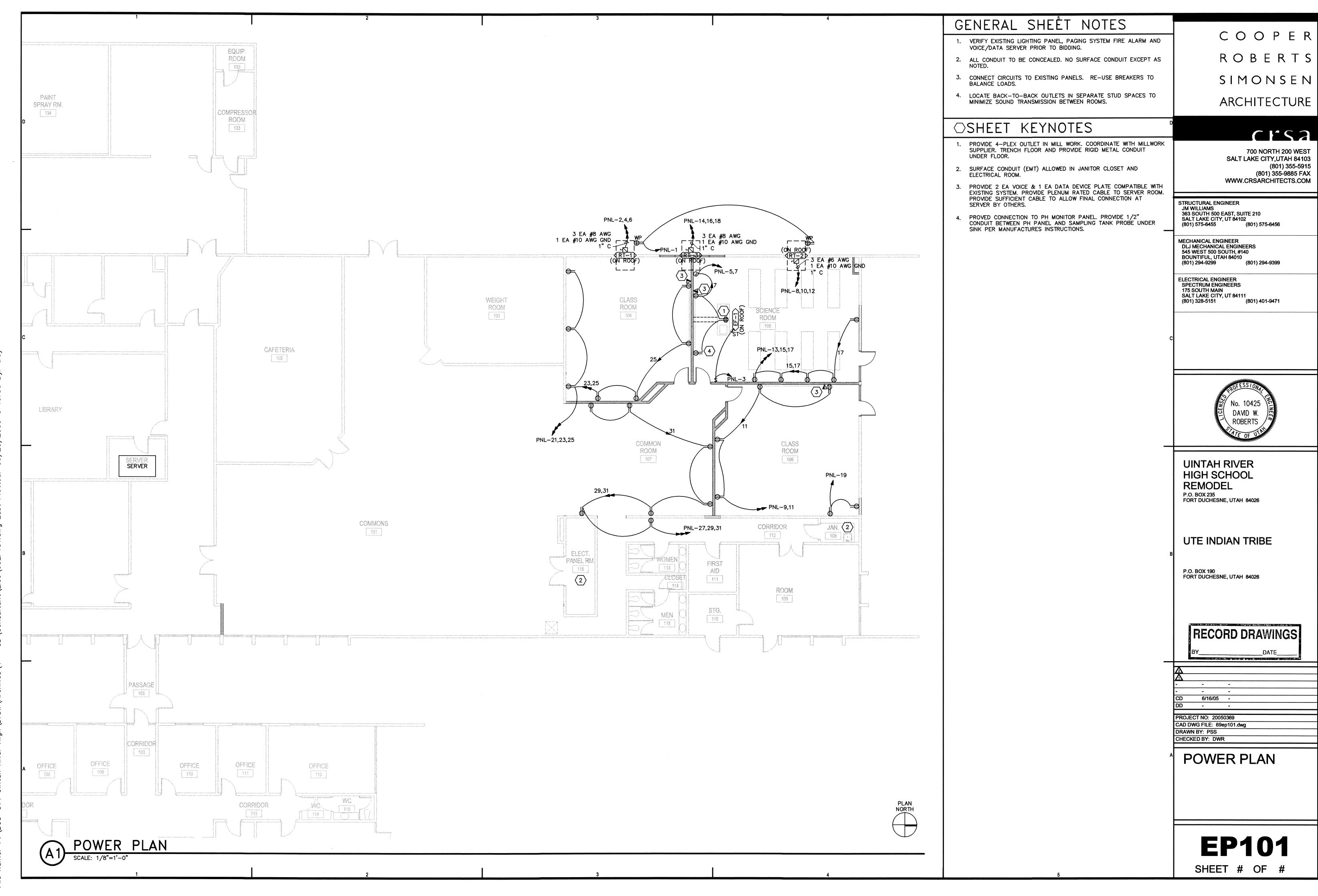
SCHEDULES

CHECKED BY: DWR

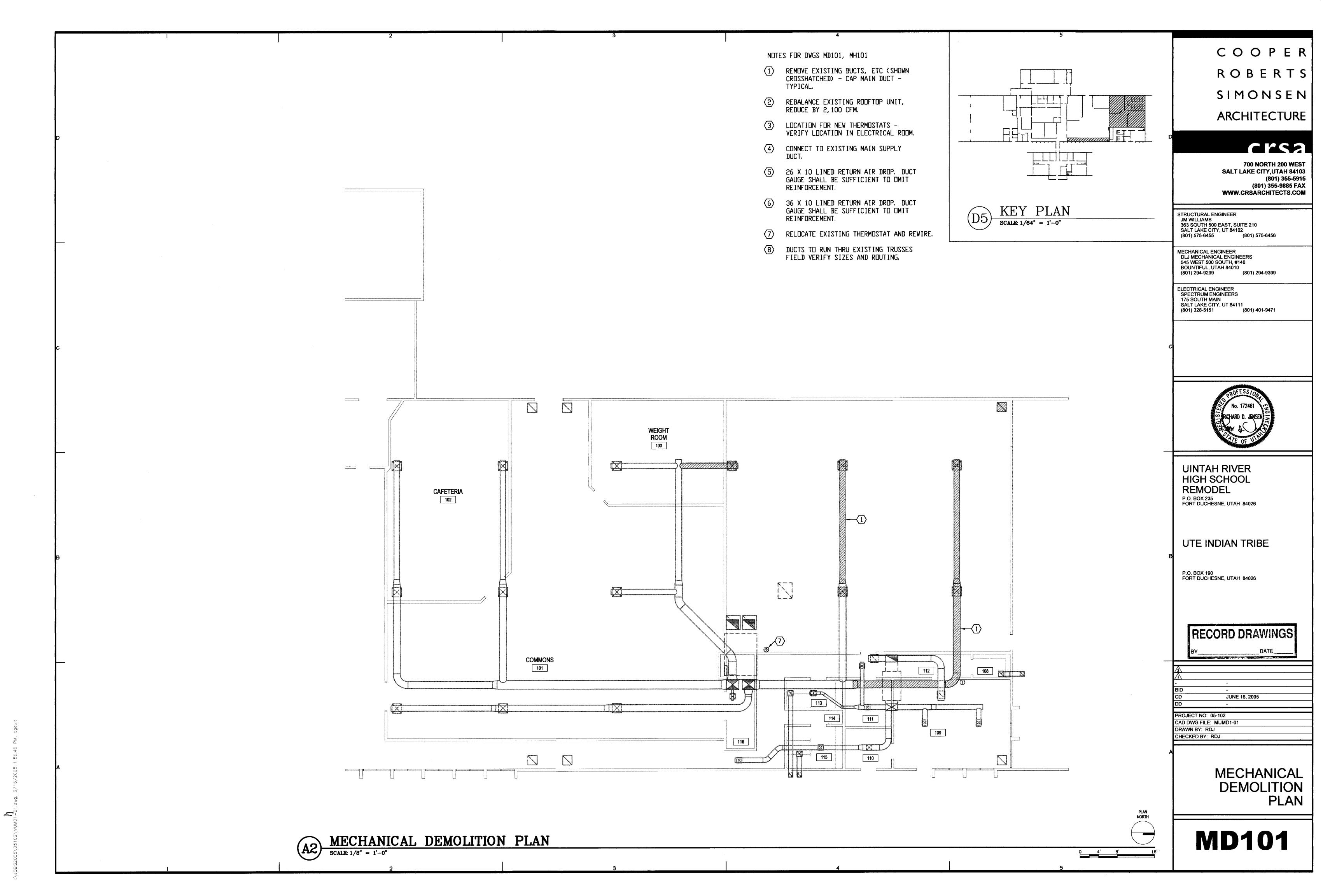
EE002

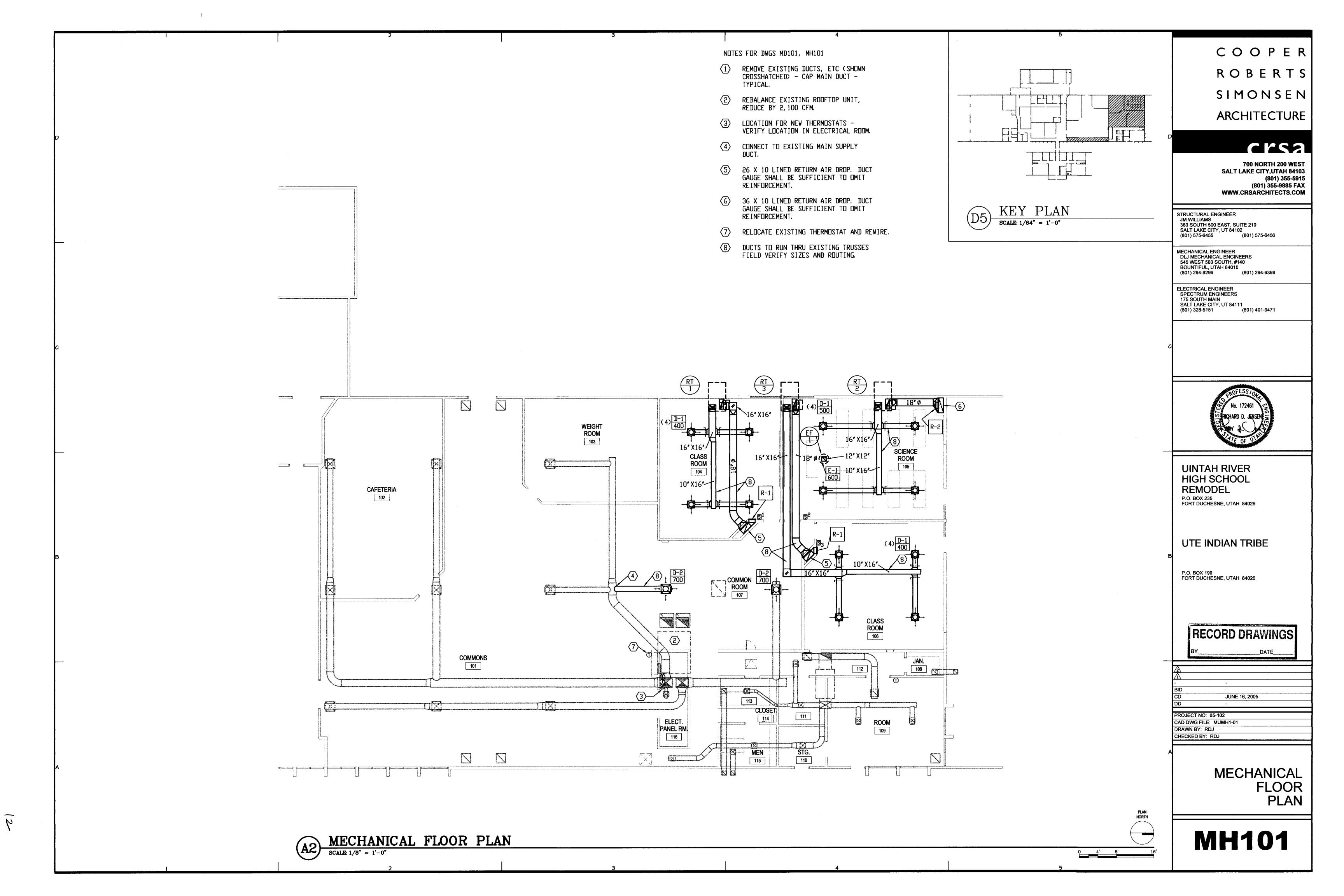
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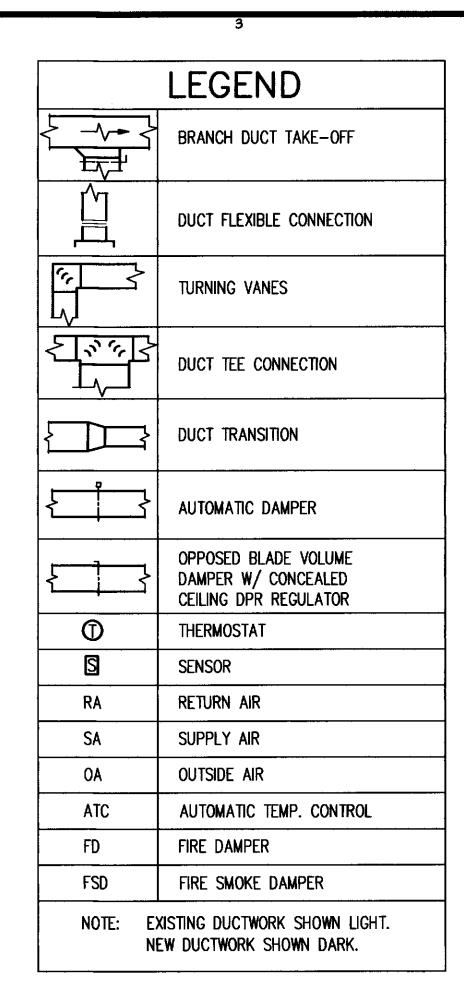


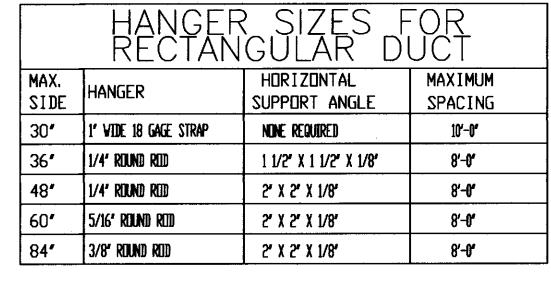


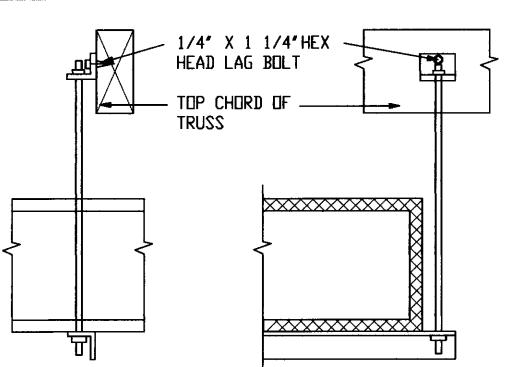
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NEOPRENE GASKET -----

#10 X 1/2" TEK SCREWS

WOOD NAILER (BY UNIT MANUFACTURER) —

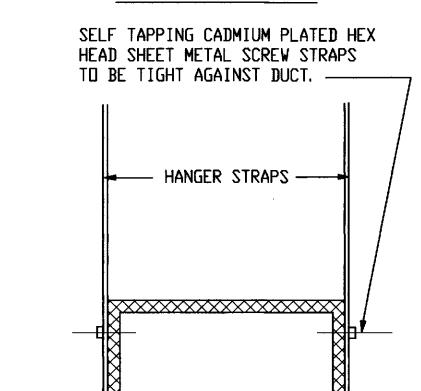
RIGID INSULATION (BY

MECHANICAL CONTRACTOR)

ROOF CURB ----

ATTACH TO UNIT (4 EACH)

DUCT STRAP HANGER DETAIL



AIR CONDITIONING UNIT

∠ATTACH T□ UNIT (4 EACH)

#10 X 1/2" OR #10 X 1"

- COUNTER FLASHING (BY MECHANICAL CONTRACTOR)

— CANT STRIP (AS REQUIRED)

/ UNIT HOLD-DOWNS (LOCATION BY UNIT MFG)

∕UNIT BASE RAIL

TEK SCREWS

BUTTED FIRMLY TOGETHER

DUCT LINER DETAIL

SCALE NONE

NO POP RIVETS ALLOWED

COOPER ROBERTS SIMONSEN ARCHITECTURE

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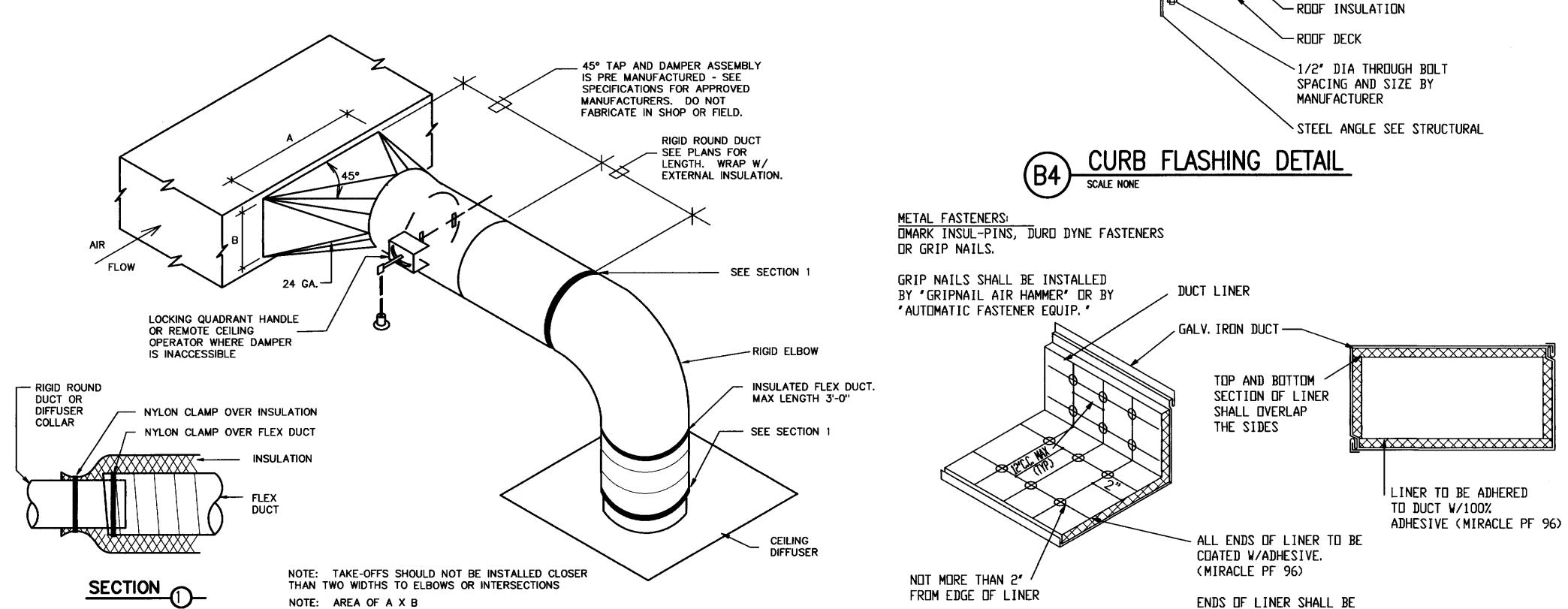
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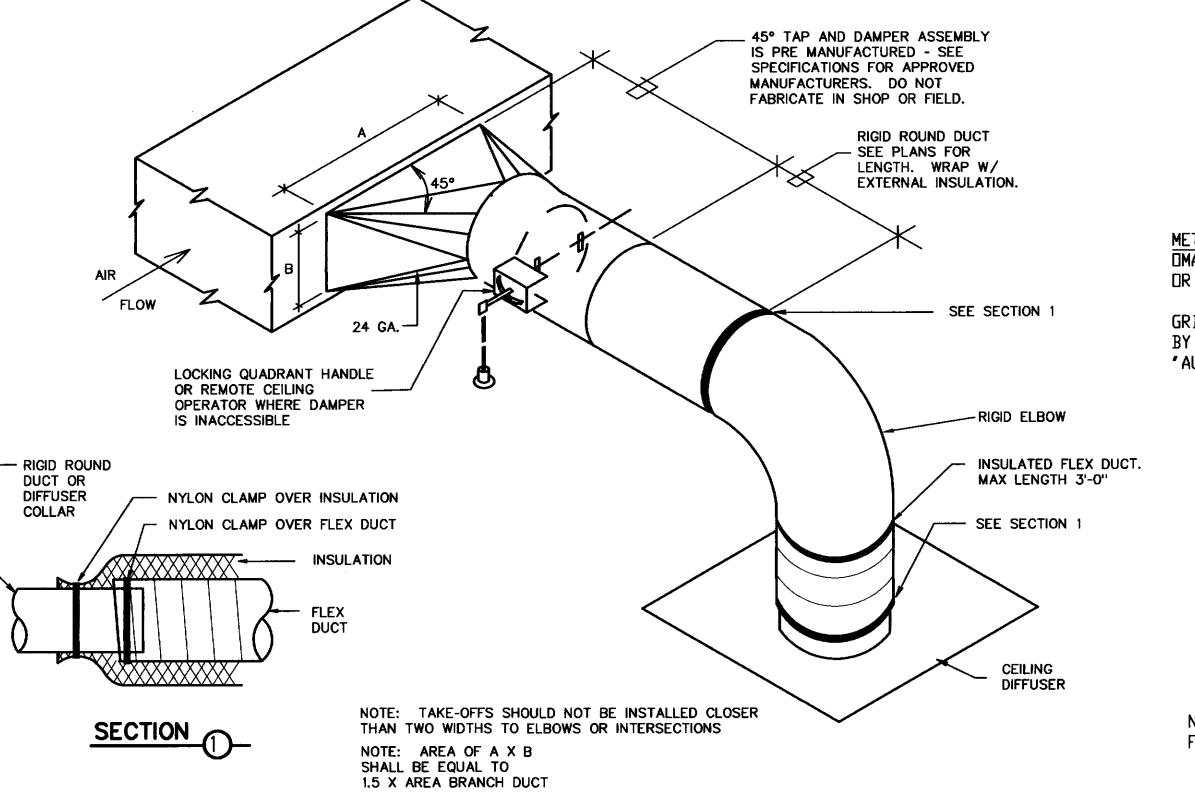
JUNE 16, 2005 ROJECT NO: 05-102

CAD DWG FILE: MUMH2-01 RAWN BY: RDJ HECKED BY: RDJ

> **MECHANICAL DETAILS**

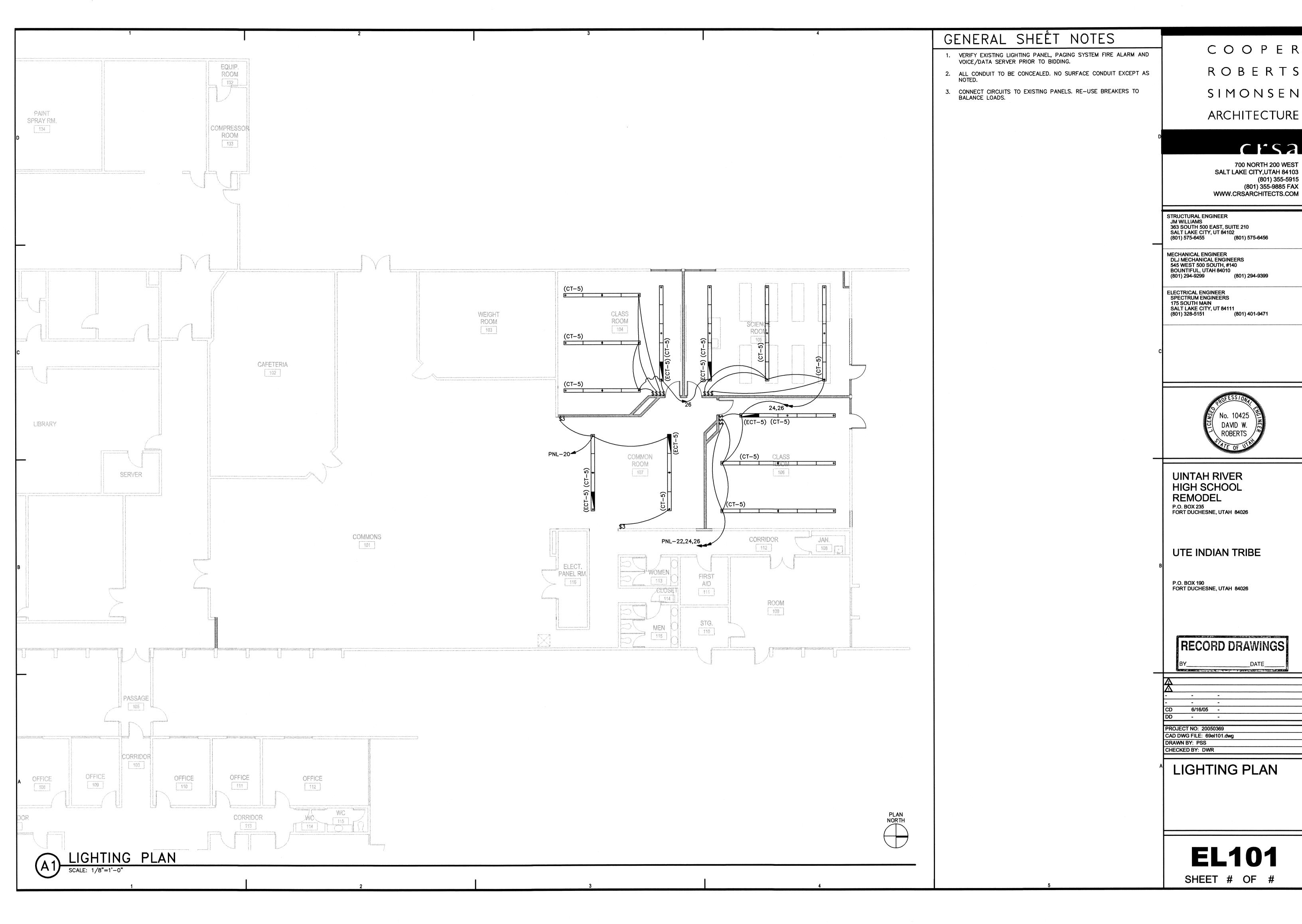
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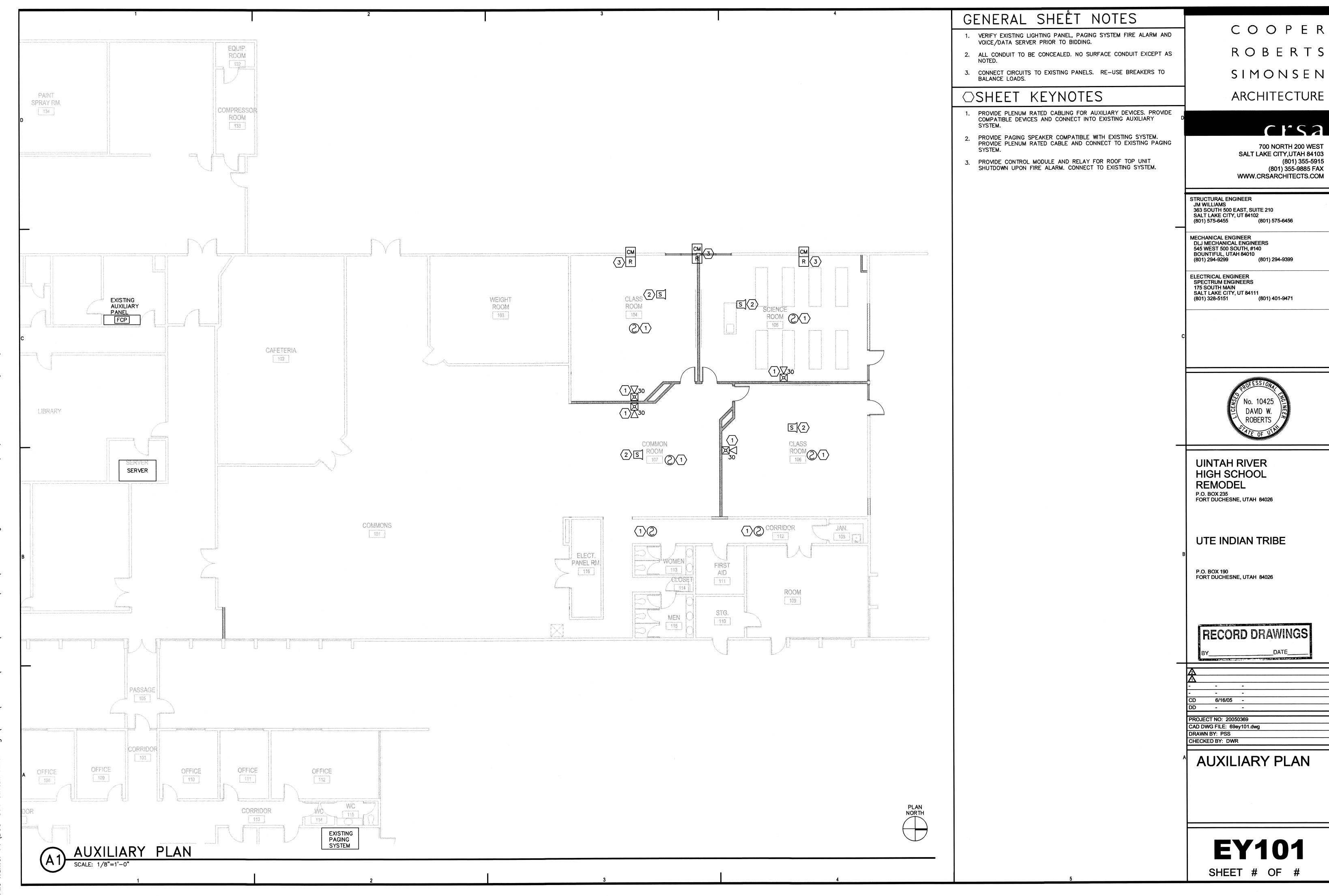


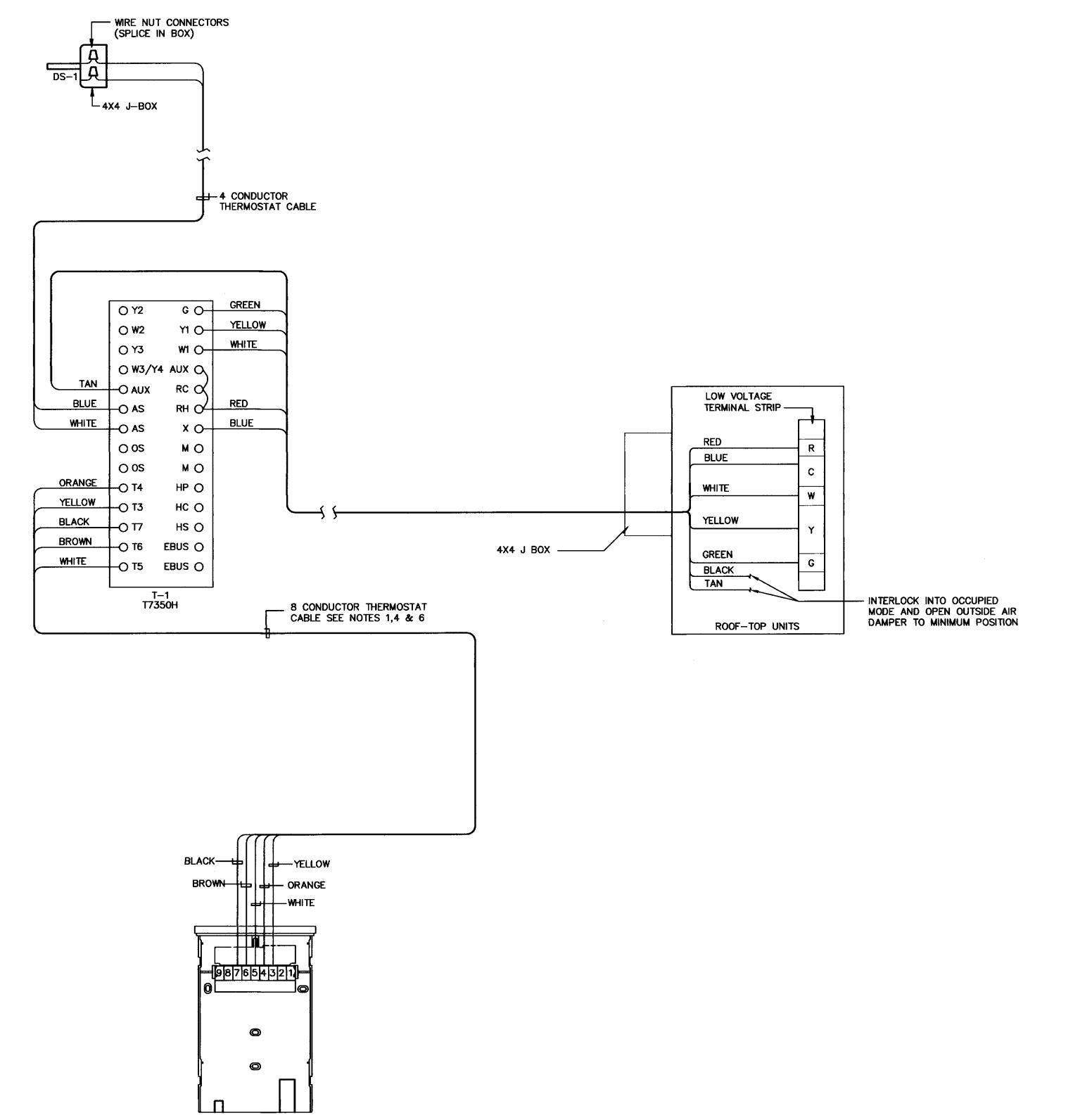


SQUARE TO ROUND TAKE-OFF DETAIL

SCALE NONE







WIRING DIAGRAM ROOFTOP SYSTEM

SYSTEMS: RT-1, RT-2, RT-3

4 CONDUCTOR THERMOSTAT CABLE SEE NOTES 1 & 3

ROOF -TOP UNIT

NO SCALE

THERMOSTAT MOUNTED T T

8 CONDUCTOR THERMOSTAT CABLE SEE NOTES 1,2 & 3

REMOTE SENSOR (S)
SEE PLANS FOR LOCATION.

CONDUIT BY DIV. 15 WIRE BY DIV. 15

CONDUIT AND WIRE BY DIV. 15

POWER BY DIV. 16

TYPICAL CONDUIT DIAGRAM - ROOF TOP UNITS

4 CONDUCTOR THERMOSTAT

- 8 CONDUCTOR THERMOSTAT CABLE SEE NOTES 1,2 & 3

S-1

CONTROL EQUIPMENT

MARK DESCRIPTION CAT. NO. (1)

T-1 THERMOSTAT T7350H1009

S-1 REMOTE TEMPERATURE SENSOR 20K OHM T7771A105

DS-1 DISCHARGE AIR SENSOR C7041B2013

1 ALL CATALOG NUMBERS SHOWN ARE HONEYWELL UNLESS NOTED OTHERWISE.

NOTES:

- 1. THERMOSTAT CABLE— 4, 8 OR 12 CONDUCTOR—
 18 AWG SOLID COPPER WIRE INSULATED WITH
 HIGH DENSITY POLYETHYLENE. CONDUCTORS
 PARALLEL. ENCLOSED IN BROWN PVC JACKET.
 (NO 22 AWG CABLE ALLOWED).
- 2. USE WIRE NUT CONNECTORS FOR SPLICING CONDUCTORS IN SPECIFIED LOCATIONS. AND TYTON TYPE CRIMP CONNECTORS FOR TERMINAL CONNECTIONS. NO TERMINAL CONNECTORS REQUIRED AT THERMOSTAT OR SENSOR.
- 3. DO NOT RUN ANY OTHER WIRING IN THIS CONDUIT EXCEPT THERMOSTAT CABLE.

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SIMONSEN
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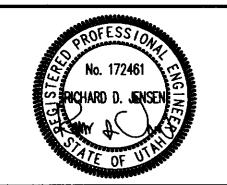
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CHECKED BY: RDJ

RECORD DRAWINGS

> TEMPERATURE CONTROL DIAGRAM

MH202

