



State of Utah

GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

Department of Administrative Services

KIMBERLY K. HOOD
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON
Director

ADDENDUM NO. 7

Date: March 24, 2011

To: Contractors

From: Brian Bales

Reference: Northern Utah Interagency Fire Dispatch Center
DNR – Draper, Utah
Project No.10013500

Subject: **Addendum No.7**

Pages	Addendum	1 Page
	<u>Architects Addendum</u>	<u>29 Pages</u>
	Total	30 Pages

Note: *This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.*

7.1 SCHEDULE CHANGES – There are no changes to the project schedule.

7.2 GENERAL – Scott P. Evans Architect – Please see attached sheets.

March 24th, 2011

PROJECT:

Northern Utah Interagency Fire Dispatch Center

OWNER:

State of Utah - DFCM
4110 State Office Building
Salt Lake City, Utah 84190

DFCM Project Number: 10013500

ADDENDUM NO. # 07

The data included herein is issued by the Architect as a clarification and addition to drawings, specifications, and contract documents relative to the above project. Except as effected by data herein, all other parts of the Contract Documents shall remain in full force and effect as issued by the Owner in the **January 17, 2011 Construction Bid Documents**. (This Date Applies to all Project Bid Documents). It shall be the sole responsibility of the bidder to appropriately disseminate this data to all concerned prior to the assigned bid date and time. **Receipt of the addendum shall be recorded by the bidder in the appropriate space on the proposal form included in the Contract Documents.**

I. GENERAL ITEMS

Item #1 – Prior Approvals

The following manufacturers, trade names and products are allowed to bid on a name-brand-only basis with the provision that they completely satisfy all and every requirement of the drawings, specifications and all addenda and shall conform to the design, quality and standards specified, established and required for the complete and satisfactory installation and performance of the building and all its respective parts.

Product	Manufacturer	Status
Insulating Glass	Guardian SunGuard (Sunguard SNX 62/27)	Approved

II. ARCHITECTURAL

A. ARCHITECTURAL SPECIFICATION ITEMS

Item #1 - Specification Section 000110 - TABLE OF CONTENTS

Replace the existing Table of Contents with the revised version attached to this addendum. All specification changes in this, and previous addendums are incorporated in this updated Table of Contents. The Contractor is responsible for coordinating all addenda changes, including changes to the Table of Contents.

Item #2 - Specification Section 088000 - GLAZING

Modify specification section as follows:

1. 2.9.A.7, 2.9.B.7 & 2.9.C.7 should read: Visible Light Transmittance: 64 percent of minimum.
2. 2.9.A.10, 2.9.B.10 & 2.9.C.10 should read: Solar Heat Gain Coefficient: 0.28 maximum.

Item #3 - Specification Section 031150 - INSULATING CONCRETE FORMS (Revised version in Addendum #6)

Add the following paragraph to section 031150; 1.4 :

- I. The system was designed around the BASF "Neopor" EPS materials where 5.5 inches of EPS gives an R value of 27. R-27 total wall assembly is the minimum value acceptable for the project, and a total wall thickness of 13.5".

B. ARCHITECTURAL DRAWING ITEMS

None

C. ARCHITECTURAL GENERAL ITEMS

None

III. CIVIL

A. CIVIL SPECIFICATION ITEMS

None

B. CIVIL DRAWING ITEMS

Item #1 - CE-107 - Sheet replacement

Replace sheet CE-107 that was included in Addendum #06 with the revised sheet CE-107 attached to this final addendum.

UTILITY PLAN



**SCOTT P. EVANS
ARCHITECT &
ASSOCIATES P.C.**
108 West Center Street
Bountiful, Utah 84010
Telephone - 801.298.1368
Telefax - 801.298.2192
info@spe-architect.com
www.spe-architect.com

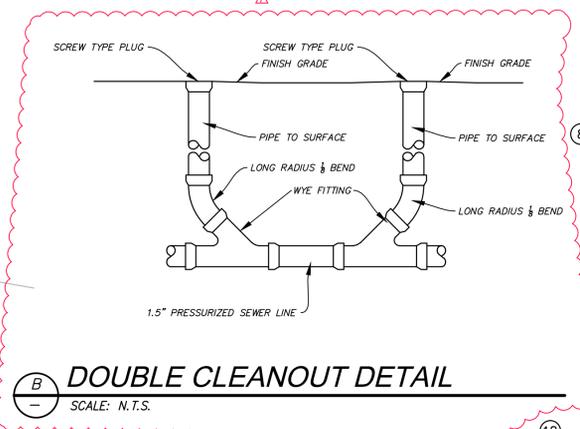
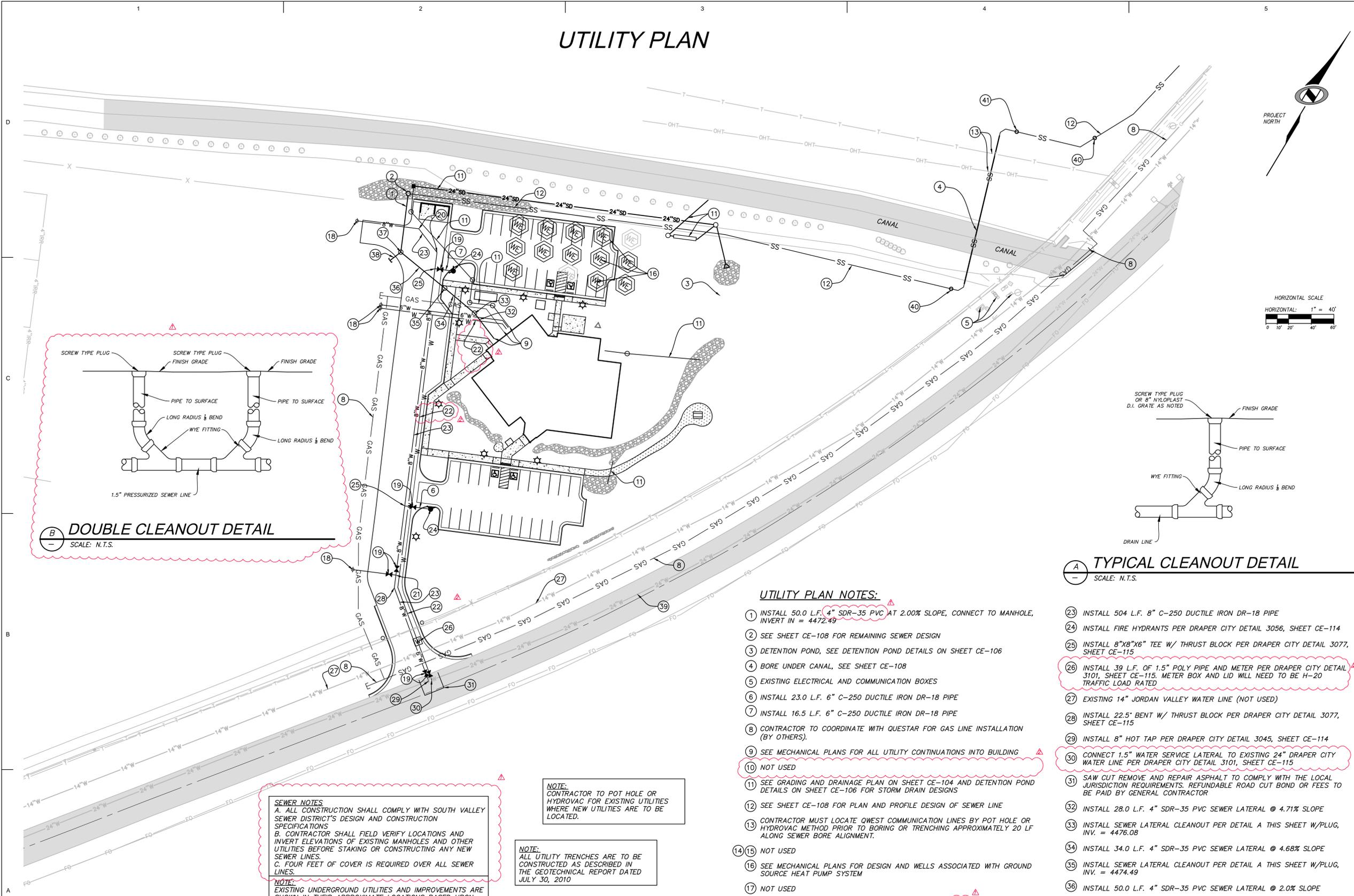
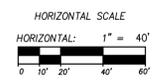
PROFESSIONAL STAMP:

PROJECT NAME:

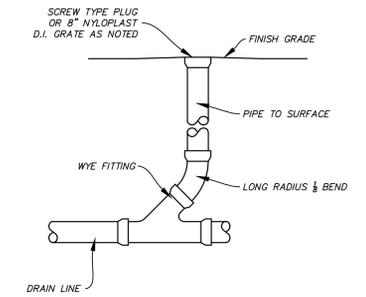
**NORTHERN UTAH INTERAGENCY
FIRE DISPATCH CENTER**

14224 PONY EXPRESS ROAD
DRAPER CITY, UTAH 84020

PROJECT NORTH



DOUBLE CLEANOUT DETAIL
SCALE: N.T.S.



TYPICAL CLEANOUT DETAIL
SCALE: N.T.S.

UTILITY PLAN NOTES:

- 1 INSTALL 50.0 L.F. 4" SDR-35 PVC AT 2.00% SLOPE, CONNECT TO MANHOLE, INVERT IN = 4472.49
- 2 SEE SHEET CE-108 FOR REMAINING SEWER DESIGN
- 3 DETENTION POND, SEE DETENTION POND DETAILS ON SHEET CE-106
- 4 BORE UNDER CANAL, SEE SHEET CE-108
- 5 EXISTING ELECTRICAL AND COMMUNICATION BOXES
- 6 INSTALL 23.0 L.F. 6" C-250 DUCTILE IRON DR-18 PIPE
- 7 INSTALL 16.5 L.F. 6" C-250 DUCTILE IRON DR-18 PIPE
- 8 CONTRACTOR TO COORDINATE WITH QUESTAR FOR GAS LINE INSTALLATION (BY OTHERS).
- 9 SEE MECHANICAL PLANS FOR ALL UTILITY CONTINUATIONS INTO BUILDING
- 10 NOT USED
- 11 SEE GRADING AND DRAINAGE PLAN ON SHEET CE-104 AND DETENTION POND DETAILS ON SHEET CE-106 FOR STORM DRAIN DESIGNS
- 12 SEE SHEET CE-108 FOR PLAN AND PROFILE DESIGN OF SEWER LINE
- 13 CONTRACTOR MUST LOCATE QWEST COMMUNICATION LINES BY POT HOLE OR HYDROVAC METHOD PRIOR TO BORING OR TRENCHING APPROXIMATELY 20 LF ALONG SEWER BORE ALIGNMENT.
- 14 NOT USED
- 15 NOT USED
- 16 SEE MECHANICAL PLANS FOR DESIGN AND WELLS ASSOCIATED WITH GROUND SOURCE HEAT PUMP SYSTEM
- 17 NOT USED
- 18 INSTALL WATER BLOWOFFS PER DRAPER CITY DETAIL 3060 SHEET CE-114
- 19 INSTALL GATE VALVE PER DRAPER CITY DETAIL 3040 SHEET CE-114 (TYP.)
- 20 INSTALL 45" BEND AT WATER LINE WITH THRUST BLOCK PER DRAPER CITY DETAIL 3077 SHEET CE-115
- 21 INSTALL 8" TEE AT WATER LINE WITH THRUST BLOCK PER DRAPER CITY DETAIL 3077 SHEET CE-115
- 22 INSTALL 403 LF 2" POLY PIPE AND 1.5"x2" REDUCER OUTSIDE METER BOX
- 23 INSTALL 504 L.F. 8" C-250 DUCTILE IRON DR-18 PIPE
- 24 INSTALL FIRE HYDRANTS PER DRAPER CITY DETAIL 3056, SHEET CE-114
- 25 INSTALL 8"x8"x6" TEE W/ THRUST BLOCK PER DRAPER CITY DETAIL 3077, SHEET CE-115
- 26 INSTALL 39 L.F. OF 1.5" POLY PIPE AND METER PER DRAPER CITY DETAIL 3101, SHEET CE-115. METER BOX AND LID WILL NEED TO BE H-20 TRAFFIC LOAD RATED
- 27 EXISTING 14" JORDAN VALLEY WATER LINE (NOT USED)
- 28 INSTALL 22.5' BENT W/ THRUST BLOCK PER DRAPER CITY DETAIL 3077, SHEET CE-115
- 29 INSTALL 8" HOT TAP PER DRAPER CITY DETAIL 3045, SHEET CE-114
- 30 CONNECT 1.5" WATER SERVICE LATERAL TO EXISTING 24" DRAPER CITY WATER LINE PER DRAPER CITY DETAIL 3101, SHEET CE-115
- 31 SAW CUT REMOVE AND REPAIR ASPHALT TO COMPLY WITH THE LOCAL JURISDICTION REQUIREMENTS. REFUNDABLE ROAD CUT BOND OR FEES TO BE PAID BY GENERAL CONTRACTOR
- 32 INSTALL 28.0 L.F. 4" SDR-35 PVC SEWER LATERAL @ 4.71% SLOPE
- 33 INSTALL SEWER LATERAL CLEANOUT PER DETAIL A THIS SHEET W/PLUG, INV. = 4476.08
- 34 INSTALL 34.0 L.F. 4" SDR-35 PVC SEWER LATERAL @ 4.68% SLOPE
- 35 INSTALL SEWER LATERAL CLEANOUT PER DETAIL A THIS SHEET W/PLUG, INV. = 4474.49
- 36 INSTALL 50.0 L.F. 4" SDR-35 PVC SEWER LATERAL @ 2.0% SLOPE
- 37 INSTALL SEWER LATERAL CLEANOUT PER DETAIL A THIS SHEET W/PLUG, INV. = 4473.49
- 38 INSTALL 12.0 L.F. 4" SDR-35 PVC SEWER LATERAL @ 2.00% SLOPE, PLUG AND STUB FOR FUTURE CONNECTION
- 39 EXISTING 24" DRAPER CITY WATER LINE (USED FOR THIS PROJECT)
- 40 INSTALL A CLEANOUT GOING BOTH DIRECTIONS AT THIS LOCATION PER DETAIL B, THIS SHEET WITH SCREW TYPE PLUG.
- 41 INSTALL AIR RELEASE VALVE PER DETAIL A SHEET CE-116

SEWER NOTES
A. ALL CONSTRUCTION SHALL COMPLY WITH SOUTH VALLEY SEWER DISTRICT'S DESIGN AND CONSTRUCTION SPECIFICATIONS
B. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND INVERT ELEVATIONS OF EXISTING MANHOLES AND OTHER UTILITIES BEFORE STAKING OR CONSTRUCTING ANY NEW SEWER LINES.
C. FOUR FEET OF COVER IS REQUIRED OVER ALL SEWER LINES.

NOTE:
EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.

NOTE:
CONTRACTOR TO POT HOLE OR HYDROVAC FOR EXISTING UTILITIES WHERE NEW UTILITIES ARE TO BE LOCATED.

NOTE:
ALL UTILITY TRENCHES ARE TO BE CONSTRUCTED AS DESCRIBED IN THE GEOTECHNICAL REPORT DATED JULY 30, 2010

NOTE:
WATERLINE PIPES TO BE INSTALLED PER DRAPER CITY DETAILS AS SHOWN ON SHEETS CE-114 AND CE-115 AND DRAPER CITY SPECIFICATIONS.

Least Plotted:

NO.	DATE	DESCRIPTION
1	8/17	CLIENT REVIEW
1	10/05	DD CLIENT REVIEW
1	1/03/11	85% SUBMITTAL
3	1/27/11	CONSTRUCTION BIDD DOCUMENTS
4	2/21/11	FINAL CONSTRUCTION DOCUMENTS

OWNER PROJECT #: 09-12
SPE PROJECT #: 09-12
DRAWN BY: NOLTE - CMW
CHECKED BY: NOLTE - CMW
DESIGNED BY: NOLTE - CMW
COPYRIGHT: 2011 SCOTT P. EVANS - ARCHITECT

SHEET TITLE: **UTILITY PLAN**
SHEET NUMBER: **CE-107**

IV. LANDSCAPING

A. LANDSCAPING SPECIFICATION ITEMS

None

B. LANDSCAPING DRAWING ITEMS

None

V. STRUCTURAL

A. STRUCTURAL DRAWING ITEMS

None

VI. MECHANICAL

See attached from Mechanical Engineer



ADDENDUM

DATE: March 24, 2011

PROJECT NO: 10238

PROJECT: Northern Utah Interagency Fire Dispatch Center

DIVISION – 22 & 23

DRAWINGS

DRAWING – MP-101

1. Add a CO2 sensor to Serving Room 105. The sensor shall be mounted 48" AFF. Coordinate the exact location with the architect.

DRAWING – PE-501

1. In Detail 8, change the PRV discharge pressure to 50 PSI. The inlet pressure is 60 PSI.

SPECIFICATIONS

SECTION – 230100 Mechanical Requirements

1. In the "Scope of Work" section, change the section number for HVAC INSTRUMENTATION AND CONTROLS to 239000.
2. In the "Scope of Work" section, delete the reference to section 230950 VARIABLE FREQUENCY DRIVES.
3. In the "Scope of Work" section, change the section number for SEQUENCE OF OPERATIONS FOR THE HVAC CONTROLS to 239900.
4. Coordination Drawings will be required per spec. Mechanical CAD versions of drawings can be made available upon request.

SECTION – 230150 Balancing, Maintenance Manuals and Identification

1. In the "Related Work" paragraph, delete 2302300 and change 230900 to 239000.
2. Coordinate paragraph Control Diagrams with Control diagram requirements of 239000.

SECTION – 230400 Plumbing Systems

1. In the "Floor Drains" paragraph, delete the sentence, "Openings shall be core drilled."
2. In the "Connections to Kitchen Equipment" section, delete the sentence, "Floor shall be core drilled as specified in Section 15100."

SECTION – 230700 Heat Transfer Systems

1. Delete the second paragraph in the "Connections to Equipment Furnished by Owner and Other Contractors" section.
2. In the "Indoor Water to Air Heat Pumps" section, the reference to 230900 (page 8) shall be changed to 239000.
3. In the "Indoor Water to Air Heat Pumps" section, the last sentence in the paragraph starting with "Train Owner's maintenance..." (page 9) shall read as follows, "The contractor shall notify & coordinate with the owner prior to training so that the owner can arrange to have the training sessions recorded."
4. In the "Heat Pump Controls Coordination" section, the reference to 230900 shall be changed to 239900.

SECTION – 239000 Automatic Temperature Controls

1. All references to division 15 shall be changed to division 23.
2. All references to division 16 shall be changed to division 26.
3. All references to division 17 shall be changed to division 27.

PRIOR APPROVALS

The following manufacturers, trade names and products are allowed to bid on a name brand only basis with the provision that they completely satisfy all and every requirement of the drawings, specifications and all addenda shall conform to the design, quality and standards specified, established and required for the complete and satisfactory installation and performance of the building and all its respective parts.

<u>Item</u>	<u>Manufacturer</u>
Water Cooler	Acorn Aqua
Toilet Seat	Comfort Seats
Ceiling Mounted Exhaust Fan	Broan
Manual Volume Damper	NCA
HET and Spin In	Hercules
Flex Duct	Quietflex
Test and Balance Contractor	Indepent Test & Balance
Sensor Operated Faucet	Moen
Floor Drain	Mifab
Roof Drain	Mifab
Downspout	Mifab
Hydrant	Mifab
Plumbing Fixture Carrier	Mifab
Fire Damper	United
Louver	United
Strainer	Conbraco
VFD	Danfoss
Air Separator	Taco
Suction Diffuser	Taco
Check Valve	Titan
Flow Venturi	Flow Design
Circuit Setter	Flow Design
Water Heater	Rheem
Plumbing Fixtures	Zurn
Traps, Stops, Supplies	Zurn
Air Separator	Thrush
Expansion Tank	Thrush
Fire Protection Contractor	Certified Fire

VII. ELECTRICAL

See attached from Electrical Engineer



ENVISION
ENGINEERING

Direction. Then Velocity.

ADDENDUM

Addendum

To: Jason Evans	From: Jessica Blundell
Company: Scott P Evans	Date: March 22, 2011
Phone: 801.298.1368	Address: 108 West Center Street
Project: Northern Utah Interagency Dispatch Center	Bountiful, UT

Envision Engineering, PC, is transmitting the following for your use and review:

<u>Copies/Sets</u>	<u>Addendum Number & Description</u>
1	Addendum #7

Please issue these electrical Items. Should you have questions, please feel free to contact our office directly at the number below.

Thank you.

The following is a description of Electrical Addendum changes to the electrical construction documents for Northern Utah Interagency Dispatch Center:

PRIOR APPROVALS

The following items, trade names, products, and manufactures are approved for bidding. Approval does not relieve the bidder from satisfying the intent of the requirements of the drawings, specifications and addenda in every respect. Failure to conform to the design quality and standards specified, established and required may result in later disapproval. If equipment must be disapproved after bidding, Contractor shall supply specified equipment at no extra cost to the owner.

Items are listed generally and specific model number, etc., shall be as submitted. Items submitted but not approved either did not satisfy the requirements, showed insufficient data or arrived after the deadline established for submittals.

Lightning Protection System:

1. Add Thompson Lightning Protection as an acceptable manufacturer/installer.
2. Add Robbins Lightning as an acceptable manufacturer/installer.

Fire Alarm System:

1. Add Wasatch Controls as an approved installer for the Silent Knight system.

SPECIFICATIONS

Section 260160 – Panelboards

1. Revise paragraph 2.4 (A) - Provide copper bus bars, full-sized neutral bus, and ground bus.
2. Revise paragraph 2.5 (A) - Provide copper bus bars, full-sized neutral bus, and ground bus

Section 260420 – Service Entrance

1. Per section 2.2 (A) Cost for new power pole, primary electrical conductors to transformer and transformer to be paid by owner. New incoming primary 6" conduit by contractor.

Section 263213 – Engine Generators

2. Paragraph 1.8 (L) – Add, "Comply with Federal / EPA requirements for equipment supplied".
3. Paragraph 1.8 (M) – Delete this paragraph in its entirety.
4. Paragraph 1.11 (A)(1) – Change warranty period from one year to two years.
5. Paragraph 2.2 (D) – Delete this paragraph in its entirety.
6. Paragraph 2.3 (I) – Delete this paragraph in its entirety.
7. Paragraph 2.5 (B) – Delete this paragraph in its entirety.
8. Paragraph 2.8 (A) – Add, "Provide a level 1 sound attenuated enclosure (85 dbA @ 23')".
9. Paragraph 2.9 – Delete this paragraph in its entirety.
10. Paragraph 2.10 – Provide isolation as required by manufacturer to meet all IBC requirements.
11. Paragraph 2.12 (B) (8) – Delete this paragraph in its entirety.
12. Paragraph 3.2 (C) – Change this paragraph to read, "Provide isolation as required by manufacturer to meet all IBC requirements."

13. Paragraph 3.5 (B) (7) – Delete this paragraph in its entirety.
14. Paragraph 3.5 (K) – Delete this paragraph in its entirety.
15. Add paragraph 3.7 Fuel – Add Paragraph A as follows, “Provide fuel for testing as may be required. At completion of testing, provide a full tank of fuel.”

Section 263600 – Transfer Switches

1. Paragraph 1.2 (A) (2) – Delete this paragraph in its entirety.

Section 270730 – Access Control System

1. Paragraph 1.09 (B) – Delete this paragraph in its entirety.
2. Paragraph 1.09 (C) – Delete this paragraph in its entirety.

ELECTRICAL DRAWINGS

SHEET ES101: Site Electrical

1. Coordinate location of temporary power to site with RMP. All costs for temporary power are contractor’s responsibility. Refer to ES101 for clouded changes.

SHEET EL501 & EL502: Lighting Details

1. All QS Smart Panels to be provided under Division 26. Testing, Start-up and programming of lighting and blind controls shall be provided as part of contract by a factory-certified technician and per all Lutron requirements. Refer to EL501 and EL502 for clouded changes.
2. All changes associated with the shade control system have been made on drawings. No specification section changes necessary. Refer to EL501 and EL502 for clouded changes.
3. Add general note as follows. “For the emergency branch, provide over current protective devices in ratings and types as may be required to achieve selective coordination per all NEC requirements down to the .01 level. Please note that panel ‘E1’ shall be a Bussmann Quik-Spec fused panel; an equivalent fused panel from Littlefuse is also acceptable.”

SHEET EP101: Power plan

1. Change MDP gear sizes and locations. Refer to EP101 for clouded changes.

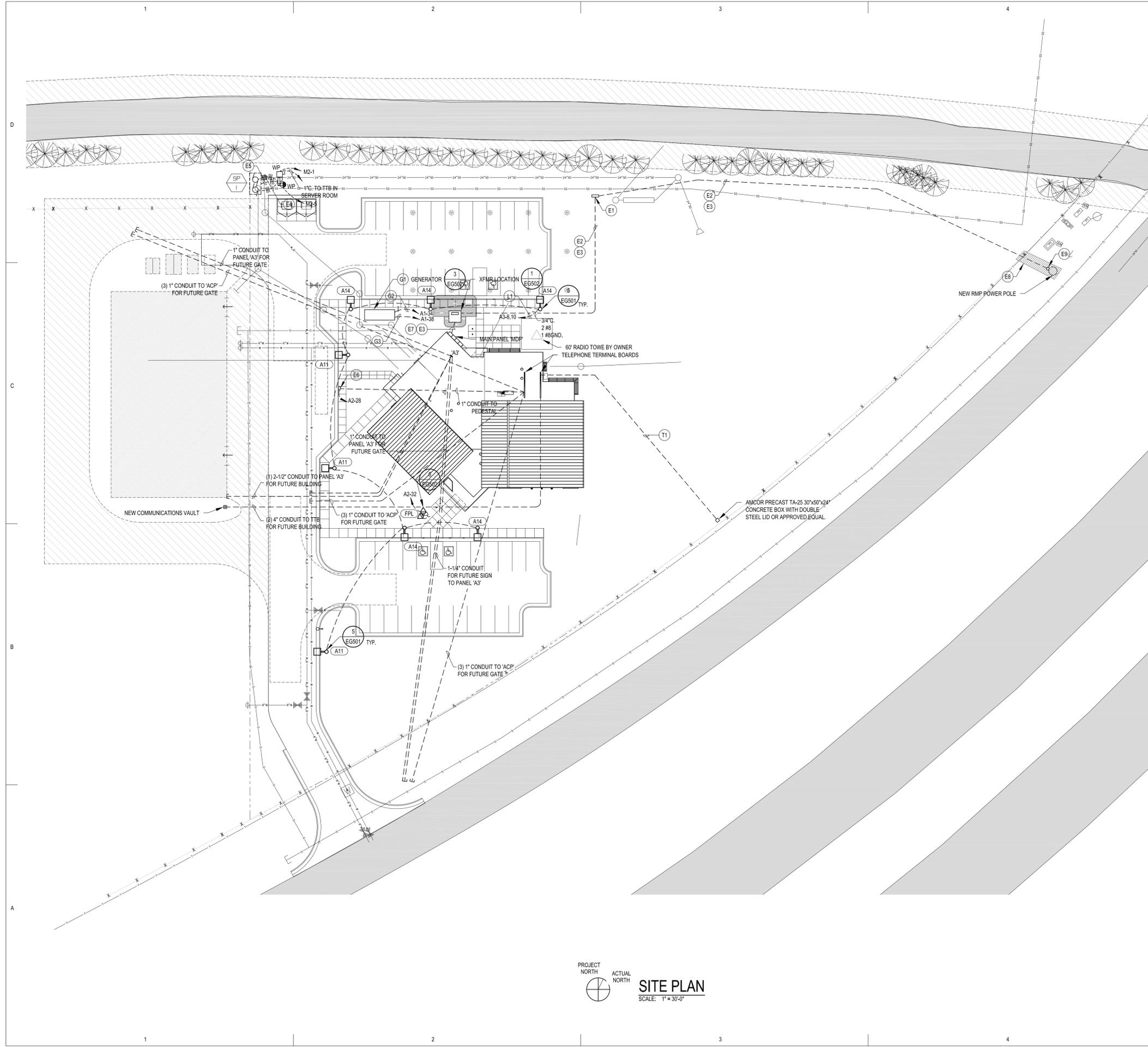
SHEET EP701: One-line diagram

1. Change breakers in external maintenance bypass to molded case switches. Refer to EP701 for clouded changes.
2. Change UPS-1 to 120/208v, 3-phase, 4-wire input and output. Refer to EP701 for clouded changes.
3. Change configuration of main distribution panel ‘MDP’. Refer to EP701 for clouded changes.
4. Change conduit size into RMP transformer to 6”. Refer to EP701 for clouded changes.
5. Change EMDP AIC rating. Refer to EP701 for clouded changes.
6. Remote annunciator and generator are included in project, shown dashed to indicate a separate enclosure or cabinet.

SHEET EY701: Auxiliary Risers

1. Change access control head end equipment. Refer to EY701 for clouded changes.
2. Change access control card reader type. Refer to EY701 for clouded changes.
3. Add approved integrators for access control and security systems. Refer to EY701 for clouded changes.
4. All changes associated with the S2 system have been made on drawings. No specification section changes necessary. Refer to EY701 for clouded changes.

End of Addendum



SITE KEYED NOTES:

- TELEPHONE/COMMUNICATION KEYED NOTES:**
- (T1) EXTEND (3) 4" CONDUIT(S) FROM TELEPHONE PULL BOX TO TELEPHONE TERMINAL BOARD. BURY CONDUITS A MINIMUM OF 30" BELOW GRADE. DIRECTED BY THE TELEPHONE SERVICE PROVIDER. INSTALL (2) ORANGE WARNING TAPES ABOVE CONDUITS; BURY (1) TAPE 12" ABOVE CONDUITS AND (1) TAPE 12" BELOW GRADE. INSTALL 3 INNERDUCT IN 1 OF THE 4" CONDUITS. COORDINATE CCTV SERVICE INTO BUILDING WITH COMCAST.
- ELECTRICAL SERVICE KEYED NOTES:**
- (E1) APPROXIMATE LOCATION OF GROUND SLEEVE PROVIDED BY ROCKY MOUNTAIN POWER.
 - (E2) PROVIDE 1-6" SCH 40 PVC CONDUITS WITH A 600-800 LB. TEST PULL ROPE BURIED 36" BELOW GRADE. CONFIRM ALL REQUIREMENTS WITH LOCAL POWER COMPANY PRIOR TO BID. COORDINATE ALL WORK IN THE FIELD WITH ROCKY MOUNTAIN POWER.
 - (E3) REFER TO ONE-LINE DIAGRAM FOR CONDUIT AND CONDUCTOR REQUIREMENTS AND OTHER INFORMATION.
 - (E4) PROVIDE 1" C WITH 3#12 AND 1 #12 GND.
 - (E5) PROVIDE 1" C FOR CONTROL WIRING.
 - (E6) PROVIDE 30" TALL RV PEDESTAL WITH 30A/1P PLUG AND TELEPHONE CONNECTION.
 - (E7) PROVIDE 3-4" SCH 40 PVC CONDUITS WITH A 600-800 LB. TEST PULL ROPE BURIED 36" BELOW GRADE. CONFIRM ALL REQUIREMENTS WITH LOCAL POWER COMPANY PRIOR TO BID. COORDINATE ALL WORK IN THE FIELD WITH LOCAL POWER COMPANY.
 - (E8) ALL TRENCHING IN THIS AREA IS TO BE PERFORMED USING HYDROVAC METHOD. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL DAMAGED UTILITIES.
 - (E9) CONDUIT STUB UP POWER POLE SHALL BE FIBERGLASS PER ALL RMP REQUIREMENTS.

- LIGHTING KEYED NOTES:**
- (L1) ROUTE THROUGH TIME CLOCK CONTROLLED LIGHTING CONTACTOR LIGHTING RELAY PANEL. REFER TO LIGHTING CONTACTOR, LIGHTING RELAY PANEL, RISER DIAGRAM AND SCHEDULE FOR ADDITIONAL INFORMATION.

- GENERATOR KEYED NOTES:**
- (G1) GENERATOR SET WITH SKID MOUNTED TANK. REFER TO ONE-LINE FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CONCRETE PAD SHALL BE PROVIDED BY THE CONTRACTOR.
 - (G2) EXTEND (1) 1" WITH (2)#10 T& (1) #10 GND THIN. CU FROM GENERATOR BLOCK HEATER TO PANEL CIRCUIT DESIGNATED.
 - (G3) EXTEND (1) 1" WITH (2)#10 T& (1) #10 GND THIN. CU FROM GENERATOR BATTERY CHARGER TO PANEL CIRCUIT DESIGNATED.

SITE GENERAL NOTES:

1. PROVIDE ALL REQUIRED TRENCHING, BACKFILLING, ETC. FOR ALL CONDUITS. PROVIDE REQUIRED BACKFILL MATERIALS AS DIRECTED BY EACH UTILITY. ALL TRENCHING WITHIN 5' OF KNOWN OR SUSPECTED UTILITIES SHALL BE PERFORMED USING HYDROVAC, POTHOLE OR EXPLORATORY SLOT METHODS. HAND DIGGING IS ALSO ACCEPTABLE. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL DAMAGED UTILITIES.
2. VERIFY ALL ROCKY MOUNTAIN POWER AND QWEST REQUIREMENTS WITH EACH UTILITY PRIOR TO BID.
3. COORDINATE INSTALLATION OF SERVICE UTILITY EQUIPMENT, WITH RESPECTIVE UTILITY REPRESENTATIVE.
4. VERIFY ALL TELEPHONE SERVICE PROVIDER REQUIREMENTS PRIOR TO BID. COORDINATE ALL LOCATIONS AND ROUTING WORK IN THE FIELD.
5. ROUTE CONDUITS A MINIMUM OF 2" BELOW THE BUILDING FLOOR SLAB.
6. COORDINATE LOCATION OF TEMPORARY POWER TO SITE WITH OWNER AND RMP TO DETERMINE THE MOST COST EFFECTIVE OPTION. ALL COSTS ARE CONTRACTORS RESPONSIBILITY.

ROCKY MOUNTAIN POWER REPRESENTATIVE:
 JOHNNY ARCHULETA
 801-576-6114

QWEST REPRESENTATIVE:
 MARILEE ROMERO
 801-974-8112

UTILITY COORDINATION REQUIREMENTS:

THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND VERIFY ALL REQUIREMENTS AND LOCATIONS TO EXTEND CONDUITS FOR UTILITY USE WITHIN 2 WEEKS OF THE CONTRACT AWARD. THE CONTRACTOR SHALL NOT ROUGH-IN ANY CONDUITS UNTIL THE UTILITY COORDINATION IS COMPLETE AND ALL LOCATIONS ARE KNOWN. THE CONTRACTOR SHALL PROVIDE TO THE ARCHITECT AND ENGINEER A WRITTEN, SIGNED STATEMENT, INCLUDING A SKETCH OF LOCATIONS, FROM THE UTILITY COMPANY NOTIFYING THEM THAT THEY HAVE COORDINATED AND VERIFIED ALL REQUIREMENTS. IF THE CONTRACTOR DOES NOT COORDINATE AND VERIFY THE REQUIREMENTS WITH THE UTILITIES OR PROVIDE A WRITTEN STATEMENT FROM THE UTILITY COMPANY TO THE ARCHITECT AND ENGINEER ALL CHANGES DUE TO LACK OF COORDINATION WILL BE DONE AT NO ADDITIONAL EXPENSE TO THE OWNER.



**SCOTT P. EVANS
 ARCHITECT &
 ASSOCIATES P.C.**
 108 West Center Street
 Bountiful, Utah 84010
 Telephone - 801-298-1368
 Telefax - 801-298-2192
 Info@spe-architect.com
 www.spe-architect.com

PROFESSIONAL STAMP:

PROJECT NAME:

**NORTHERN UTAH INTERAGENCY
 FIRE DISPATCH CENTER**

14224 PONY EXPRESS ROAD
 DRAPER, UTAH 84020

REVISIONS:

NO.	DATE	DESCRIPTION

ISSUED:

NO.	DATE	DESCRIPTION
01	09/20/2010	SCHEMATIC DESIGN SUBMITTAL
02	11/02/2010	DESIGN DEVELOPMENT SUBMITTAL
03	01/17/11	CONSTRUCTION BID DOCUMENTS
04	03/24/2011	ADDENDUM #1

OWNER PROJECT #: 10013500
 SPE PROJECT #: 10-17
 DRAWN BY: JB
 CHECKED BY: JO
 DESIGNED BY: JO

COPYRIGHT:
 © 2011 SCOTT P. EVANS - ARCHITECT

SHEET TITLE:

SITE PLAN

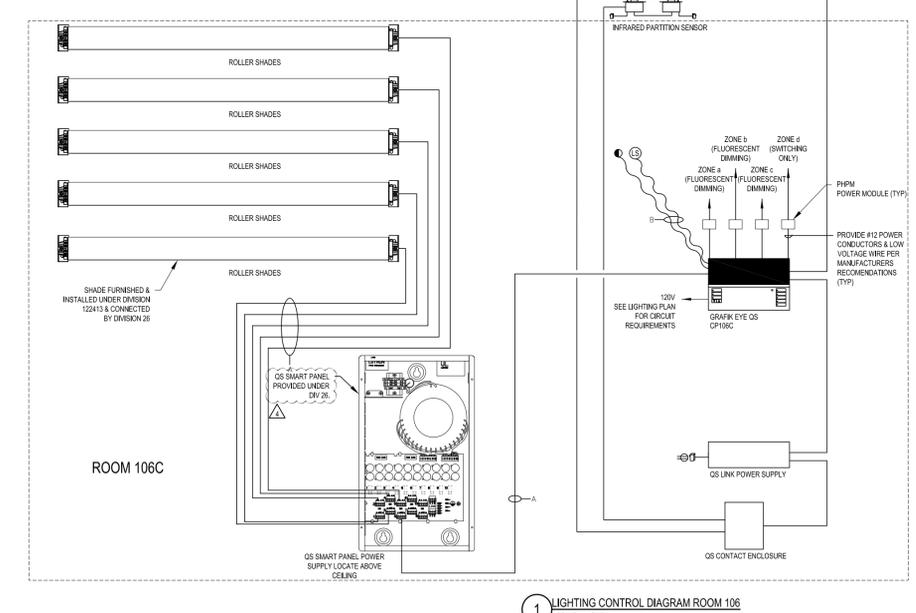
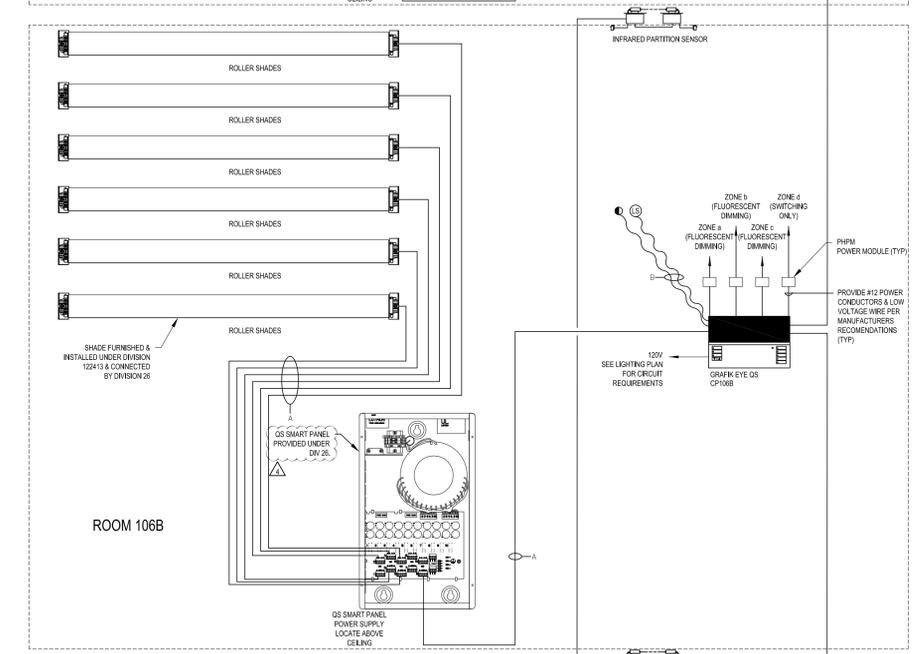
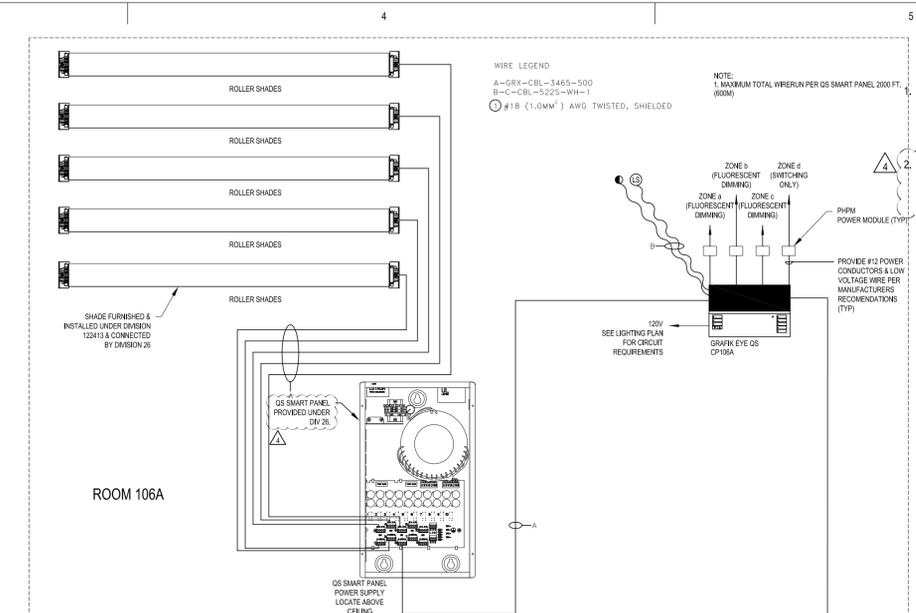
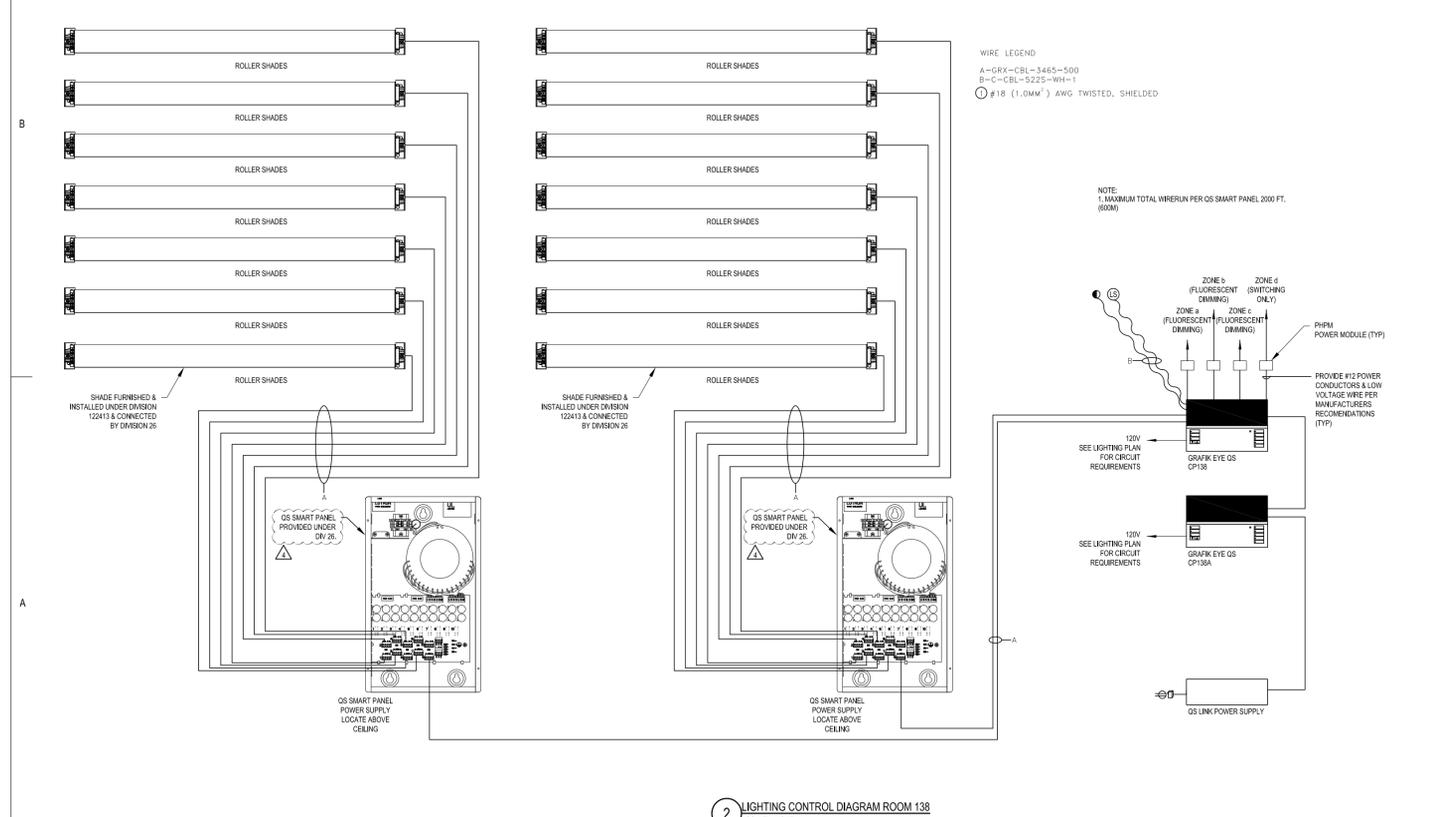
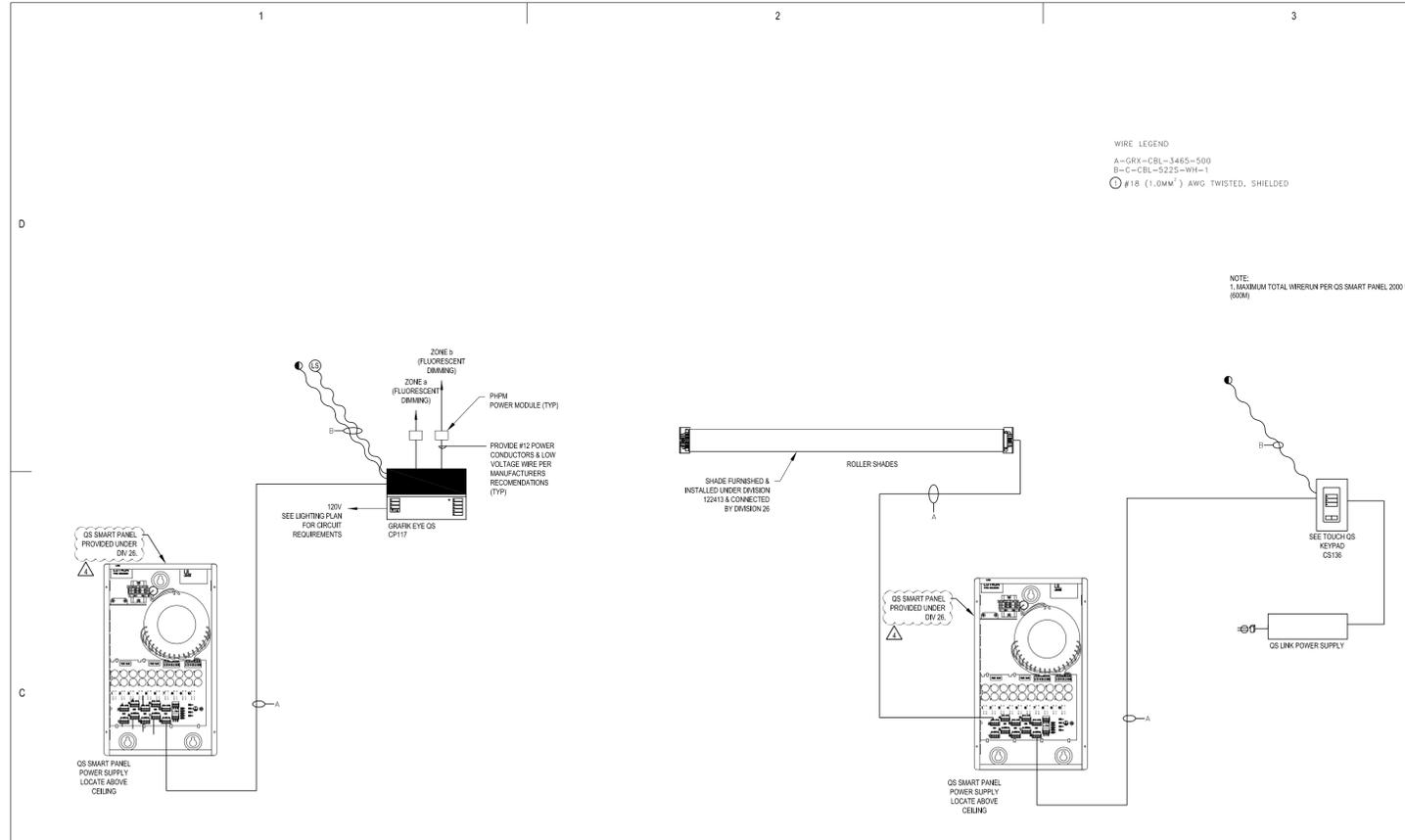
SHEET NUMBER:

ES101

PROJECT NORTH
 ACTUAL NORTH

SITE PLAN
 SCALE: 1" = 30'-0"

P:\N\2010\10-00-10 - 01P - Interagency Fire Dispatch Center\Map\ES101_2011.dwg - 3/23/2011 2:00:22 PM, Justin



GENERAL NOTES:

ALL LOW VOLTAGE WIRES SHALL BE COMPLETELY ROUTED IN CONDUIT, 1/2" MINIMUM. INCREASE SIZE OF CONDUIT AS REQUIRED TO COMPLY WITH NEC FILL REQUIREMENTS.

PROVIDE A FACTORY-CERTIFIED TECHNICIAN TO PERFORM TESTING, STARTUP AND PROGRAMMING OF LIGHTING AND BLIND CONTROLS PER ALL LUTRON REQUIREMENTS.

PROVIDE #12 POWER CONDUCTORS & LOW VOLTAGE WIRE PER MANUFACTURERS RECOMMENDATIONS (TYP)

120V SEE LIGHTING PLAN FOR CIRCUIT REQUIREMENTS

GRAB/EYE QS CP17A

PHPM POWER MODULE (TYP)

ZONE b (FLUORESCENT DIMMING)

ZONE c (FLUORESCENT DIMMING)

ZONE d (SWITCHING ONLY)

ZONE e (FLUORESCENT DIMMING)

ZONE f (FLUORESCENT DIMMING)

OS SMART PANEL PROVIDED UNDER DIV 26

SHADE FURNISHED & INSTALLED UNDER DIVISION 122413 & CONNECTED BY DIVISION 26

OS SMART PANEL POWER SUPPLY LOCATE ABOVE CEILING

OS LINK POWER SUPPLY

SEE TOUCH QS K9790 CS190

OS SMART PANEL PROVIDED UNDER DIV 26

OS SMART PANEL POWER SUPPLY LOCATE ABOVE CEILING

ROOM 106A

WIRE LEGEND
A-CRY-CBL-3465-500
B-C-CBL-5225-WH-1
① #18 (1.0MM²) AWG TWISTED, SHIELDED

NOTE:
1. MAXIMUM TOTAL WIRERUN PER QS SMART PANEL 2000 FT. (600M)

OS SMART PANEL PROVIDED UNDER DIV 26

SHADE FURNISHED & INSTALLED UNDER DIVISION 122413 & CONNECTED BY DIVISION 26

OS SMART PANEL POWER SUPPLY LOCATE ABOVE CEILING

OS LINK POWER SUPPLY

SEE TOUCH QS K9790 CS190

OS SMART PANEL PROVIDED UNDER DIV 26

OS SMART PANEL POWER SUPPLY LOCATE ABOVE CEILING

ROOM 106B

WIRE LEGEND
A-CRY-CBL-3465-500
B-C-CBL-5225-WH-1
① #18 (1.0MM²) AWG TWISTED, SHIELDED

NOTE:
1. MAXIMUM TOTAL WIRERUN PER QS SMART PANEL 2000 FT. (600M)

OS SMART PANEL PROVIDED UNDER DIV 26

SHADE FURNISHED & INSTALLED UNDER DIVISION 122413 & CONNECTED BY DIVISION 26

OS SMART PANEL POWER SUPPLY LOCATE ABOVE CEILING

OS LINK POWER SUPPLY

SEE TOUCH QS K9790 CS190

OS SMART PANEL PROVIDED UNDER DIV 26

OS SMART PANEL POWER SUPPLY LOCATE ABOVE CEILING

ROOM 106C

1 LIGHTING CONTROL DIAGRAM ROOM 106C
SCALE: NONE

WIRE LEGEND
A-CRY-CBL-3465-500
B-C-CBL-5225-WH-1
① #18 (1.0MM²) AWG TWISTED, SHIELDED

NOTE:
1. MAXIMUM TOTAL WIRERUN PER QS SMART PANEL 2000 FT. (600M)

OS SMART PANEL PROVIDED UNDER DIV 26

SHADE FURNISHED & INSTALLED UNDER DIVISION 122413 & CONNECTED BY DIVISION 26

OS SMART PANEL POWER SUPPLY LOCATE ABOVE CEILING

OS LINK POWER SUPPLY

SEE TOUCH QS K9790 CS190

OS SMART PANEL PROVIDED UNDER DIV 26

OS SMART PANEL POWER SUPPLY LOCATE ABOVE CEILING



SCOTT P. EVANS ARCHITECT & ASSOCIATES P.C.
108 West Center Street
Bountiful, Utah 84010
Telephone - 801.298.1368
Telefax - 801.298.2192
info@spe-architect.com
www.spe-architect.com

PROFESSIONAL STAMP:

PROJECT NAME:

NORTHERN UTAH INTERAGENCY FIRE DISPATCH CENTER

14224 PONY EXPRESS ROAD
DRAPER, UTAH 84020

REVISIONS:

NO.	DATE	DESCRIPTION

ISSUED:

NO.	DATE	DESCRIPTION
01	09/20/2010	SCHEMATIC DESIGN SUBMITTAL
02	11/09/2010	DESIGN DEVELOPMENT SUBMITTAL
03	01/17/11	CONSTRUCTION BID DOCUMENTS
04	03/24/2011	ADDENDUM #7

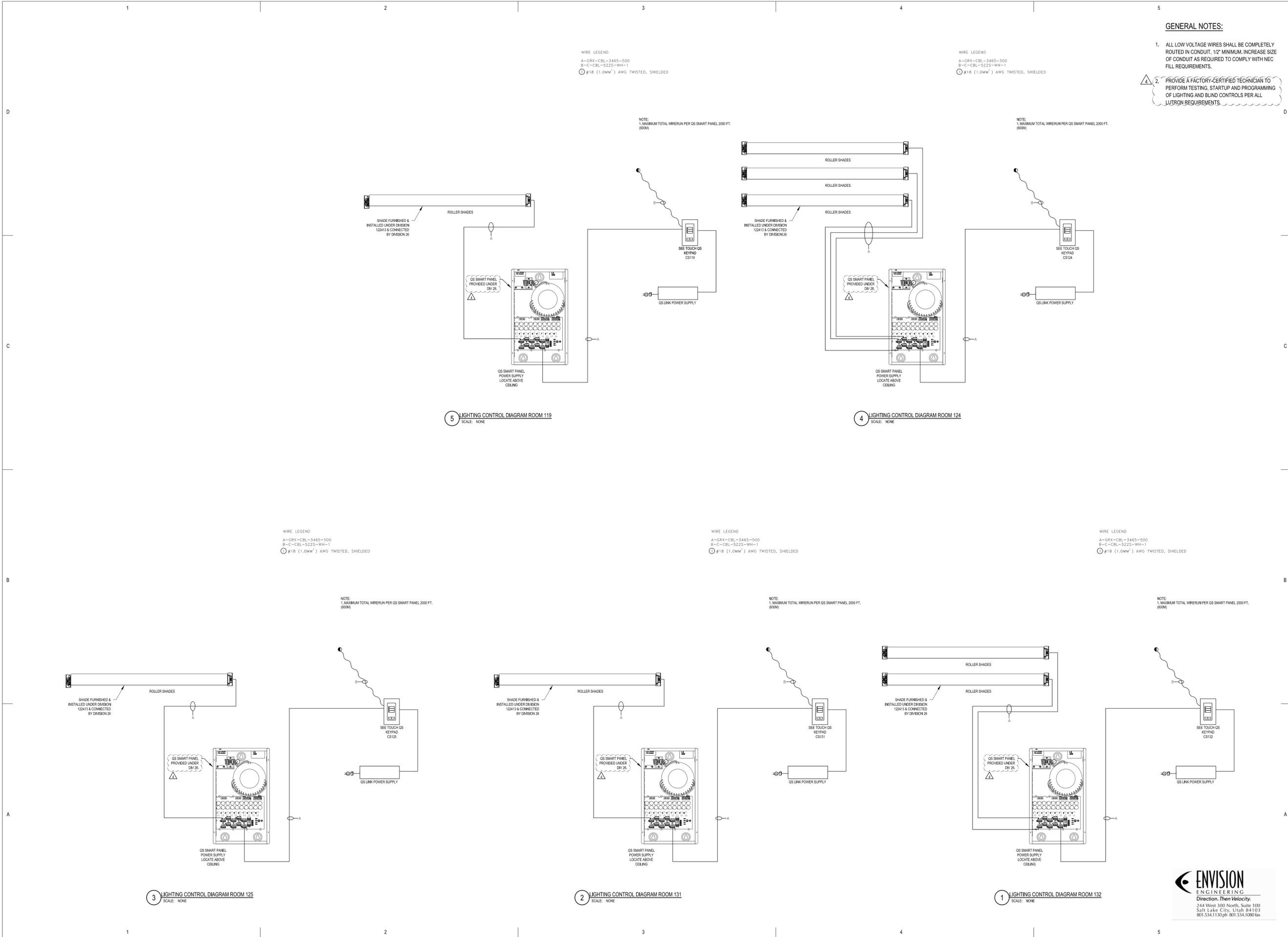
OWNER PROJECT #: 10013500
SPE PROJECT #: 10-17
DRAWN BY: JB
CHECKED BY: JO
DESIGNED BY: JO

COPYRIGHT:
© 2011 SCOTT P. EVANS - ARCHITECT

ENVISION ENGINEERING
244 West 300 North, Suite 100
Salt Lake City, Utah 84103
801.534.1130 ph | 801.534.1080 fax

LIGHTING DETAILS

SHEET NUMBER:
EL501



GENERAL NOTES:

- ALL LOW VOLTAGE WIRES SHALL BE COMPLETELY ROUTED IN CONDUIT, 1/2" MINIMUM. INCREASE SIZE OF CONDUIT AS REQUIRED TO COMPLY WITH NEC FILL REQUIREMENTS.
- PROVIDE A FACTORY-CERTIFIED TECHNICIAN TO PERFORM TESTING, STARTUP AND PROGRAMMING OF LIGHTING AND BLIND CONTROLS PER ALL LUTRON REQUIREMENTS.



SCOTT P. EVANS ARCHITECT & ASSOCIATES P.C.
 108 West Center Street
 Bountiful, Utah 84010
 Telephone - 801.286.1368
 Telefax - 801.286.2152
 info@spe-architect.com
 www.spe-architect.com

PROFESSIONAL STAMP:

PROJECT NAME:

**NORTHERN UTAH INTERAGENCY
 FIRE DISPATCH CENTER**

14224 PONY EXPRESS ROAD
 DRAPER, UTAH 84020

REVISIONS:

NO.	DATE	DESCRIPTION

ISSUED:

NO.	DATE	DESCRIPTION
01	09/20/2010	SCHEMATIC DESIGN SUBMITTAL
02	11/02/2010	DESIGN DEVELOPMENT SUBMITTAL
03	01/17/11	CONSTRUCTION BID DOCUMENTS
04	03/24/2011	ADDENDUM #7

OWNER PROJECT #: 10013500
 SPE PROJECT #: 10-17
 DRAWN BY: JB
 CHECKED BY: JO
 DESIGNED BY: JO
 COPYRIGHT:
 © 2011 SCOTT P. EVANS - ARCHITECT

LIGHTING DETAILS



SHEET NUMBER:
EL502



**SCOTT P. EVANS
ARCHITECT &
ASSOCIATES P.C.**

108 West Center Street
Bountiful, Utah 84010
Telephone - 801.298.1368
Telefax - 801.298.2192
Info@spe-architect.com
www.spe-architect.com

PROFESSIONAL STAMP:

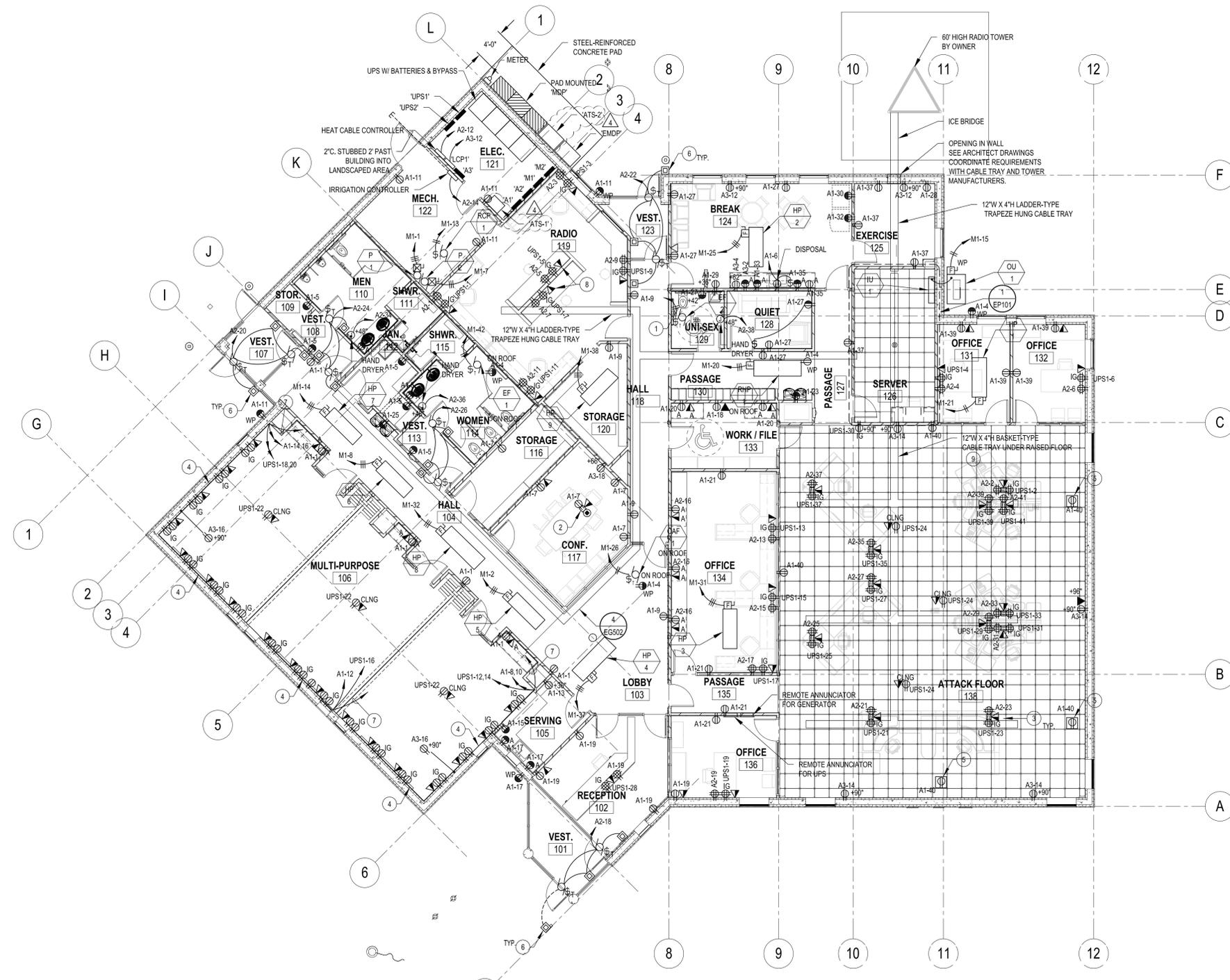
PROJECT NAME:

**NORTHERN UTAH INTERAGENCY
FIRE DISPATCH CENTER**

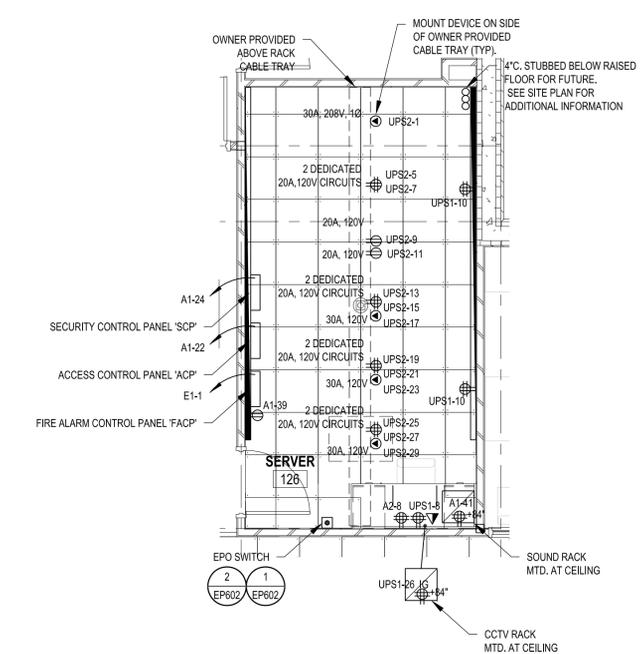
14224 PONY EXPRESS ROAD
DRAPER, UTAH 84020

KEYED NOTES:

- 1 CIRCUIT EXHAUST FAN WITH LIGHTS IN SPACE.
- 2 WIREMOLD MULTI CONNECT BOX #RFB4. LOCATE ADJACENT TO LEG OF TABLE COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH IN. PROVIDE INTERCONNECTING CONDUITS FOR POWER, TELEPHONE/DATA, AV UP LEG OF TABLE TO CABLE CUBBY. REFER TO SHEET E501.
- 3 PROVIDE WIREMOLD #AC8105 RAISED FLOOR BOX OR PRIOR APPROVED EQUIVALENT. CONTRACTOR IS RESPONSIBLE FOR CUTTING ACCESS HOLES IN RAISED FLOOR SYSTEM.
- 4 WIREMOLD MULTIPLE CHANNEL RACEWAY 5000 OR PRIOR APPROVED EQUIVALENT. PROVIDE ALL PIECES NECESSARY FOR A COMPLETE INSTALLATION.
- 5 PROVIDE WIREMOLD #AF1 RAISED FLOOR BOX OR PRIOR APPROVED EQUIVALENT. CONTRACTOR IS RESPONSIBLE FOR CUTTING ACCESS HOLES IN RAISED FLOOR SYSTEM.
- 6 ADA PUSH BUTTON DEVICE PROVIDED BY ANOTHER DIVISION INSTALLED AND CONNECTED BY DIVISION 26.
- 7 1-1/2" CONDUIT BACK TO CABLE TRAY.
- 8 ROUTE 1" CONDUIT UNDER FLOOR TO SERVE TELE/DATA LOCATION IN THE ISLAND UP TO CABLE TRAY VIA WALL.
- 9 SUPPORT CABLE TRAY OFF FLOOR WITH C-CHANNEL BOLTED TO FLOOR. BOLT CABLE TRAY TO C-CHANNEL.



PROJECT NORTH
ACTUAL NORTH
POWER PLAN
SCALE: 1/8" = 1'-0"



ENLARGED SERVER ROOM PLAN
SCALE: 1/4" = 1'-0"



POWER PLAN

SHEET NUMBER:
EP101

P:\N\2011\04-08-10 - EP101 - Interagency Fire Dispatch Center\Mech\EP101_2011-04-16.dwg, L:\work\11-23-2011 2:43:50 PM, jstev



**SCOTT P. EVANS
ARCHITECT &
ASSOCIATES P.C.**
108 West Center Street
Bountiful, Utah 84010
Telephone - 801.286.1368
Telefax - 801.286.2192
Info@spe-architect.com
www.spe-architect.com

PROFESSIONAL STAMP:

PROJECT NAME:

**NORTHERN UTAH INTERAGENCY
FIRE DISPATCH CENTER**

14224 PONY EXPRESS ROAD
DRAPER, UTAH 84020

REVISIONS:

NO.	DATE	DESCRIPTION
01	09/20/2010	SCHEMATIC DESIGN SUBMITTAL
02	11/02/2010	DESIGN DEVELOPMENT SUBMITTAL
03	01/17/11	CONSTRUCTION BID DOCUMENTS
04	03/24/2011	ADDENDUM #7

ISSUED:

NO.	DATE	DESCRIPTION

OWNER PROJECT #: 10013500
SPE PROJECT #: 10-17
DRAWN BY: JB
CHECKED BY: JO
DESIGNED BY: JO
COPYRIGHT:
© 2011 SCOTT P. EVANS - ARCHITECT
SHEET TITLE:

**ONE-LINE
DIAGRAM**

SHEET NUMBER:
EP701

TRANSFER SWITCH SCHEDULE

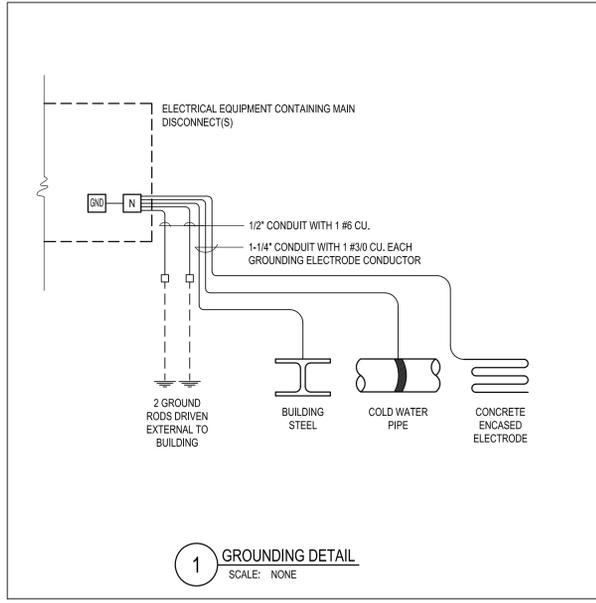
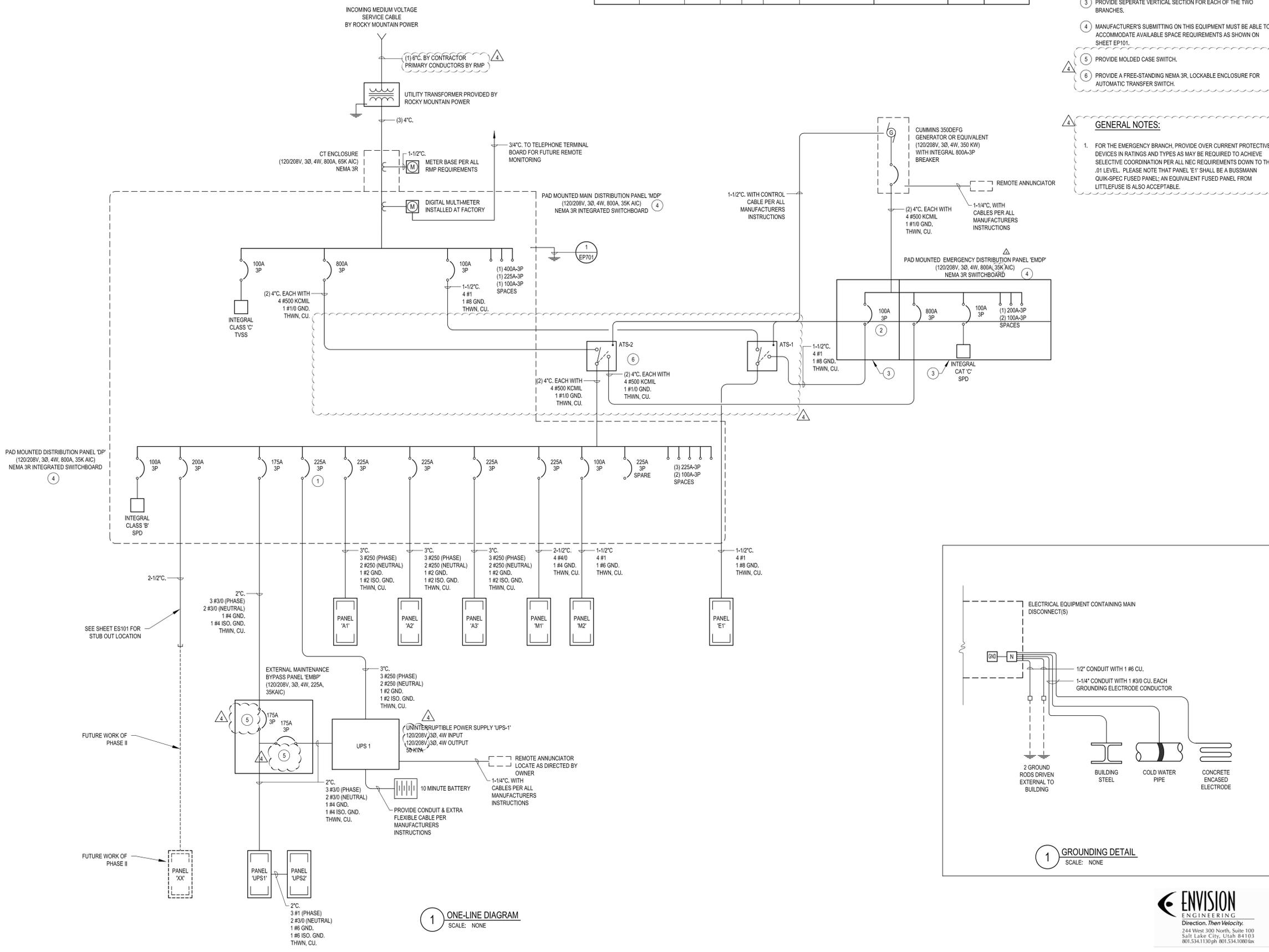
NAME	TYPE	VOLTAGE	POLES	WIRES	AMPERAGE	SHORT CIRCUIT CURRENT RATING WITH BREAKER	SHORT CIRCUIT CURRENT RATING WITH FUSE	NEMA RATING	TRANSFER DELAY
ATS-1	AUTOMATIC	120/208	3	4	300	35,000	N/A	1	10 SECONDS
ATS-2	AUTOMATIC	120/208	3	4	800	35,000	N/A	3R	20 SECONDS

KEYED NOTES:

- 1 PROVIDE BREAKER IN SIZE AS RECOMMENDED BY THE UPS MANUFACTURER.
- 2 PROVIDE BREAKER IN TYPE AND RATING AS MAY BE REQUIRED FOR SELECTIVE COORDINATION ON THE EMERGENCY BRANCH.
- 3 PROVIDE SEPERATE VERTICAL SECTION FOR EACH OF THE TWO BRANCHES.
- 4 MANUFACTURER'S SUBMITTING ON THIS EQUIPMENT MUST BE ABLE TO ACCOMMODATE AVAILABLE SPACE REQUIREMENTS AS SHOWN ON SHEET EP101.
- 5 PROVIDE MOLDED CASE SWITCH.
- 6 PROVIDE A FREE-STANDING NEMA 3R LOCKABLE ENCLOSURE FOR AUTOMATIC TRANSFER SWITCH.

GENERAL NOTES:

1. FOR THE EMERGENCY BRANCH, PROVIDE OVER CURRENT PROTECTIVE DEVICES IN RATINGS AND TYPES AS MAY BE REQUIRED TO ACHIEVE SELECTIVE COORDINATION PER ALL NEC REQUIREMENTS DOWN TO THE .01 LEVEL. PLEASE NOTE THAT PANEL 'E' SHALL BE A BUSSMANN QUIK-SPEC FUSED PANEL; AN EQUIVALENT FUSED PANEL FROM LITLIFUSE IS ALSO ACCEPTABLE.



1 ONE-LINE DIAGRAM
SCALE: NONE

1 GROUNDING DETAIL
SCALE: NONE

P:\N\2010\10-06-10 - EP7 - Interagency Fire Dispatch Center\EP701_2011-03-24\10-17-10-17-2011_12503500.dwg (10/17/2011 12:50:38 PM) (jpears)



SCOTT P. EVANS ARCHITECT & ASSOCIATES P.C.
 108 West Center Street
 Bountiful, Utah 84010
 Telephone - 801.298.1368
 Telefax - 801.298.2192
 info@spe-architect.com
 www.spe-architect.com

PROFESSIONAL STAMP:

PROJECT NAME:

NORTHERN UTAH INTERAGENCY FIRE DISPATCH CENTER
 14224 PONY EXPRESS ROAD
 DRAPER, UTAH 84020

REVISES:

NO.	DATE	DESCRIPTION
01	09/20/2010	SCHEMATIC DESIGN SUBMITTAL
02	11/02/2010	DESIGN DEVELOPMENT SUBMITTAL
03	01/17/11	CONSTRUCTION BID DOCUMENTS
04	03/24/2011	ADDENDUM #7

ISSUED:

NO.	DATE	DESCRIPTION
01	09/20/2010	SCHEMATIC DESIGN SUBMITTAL
02	11/02/2010	DESIGN DEVELOPMENT SUBMITTAL
03	01/17/11	CONSTRUCTION BID DOCUMENTS
04	03/24/2011	ADDENDUM #7

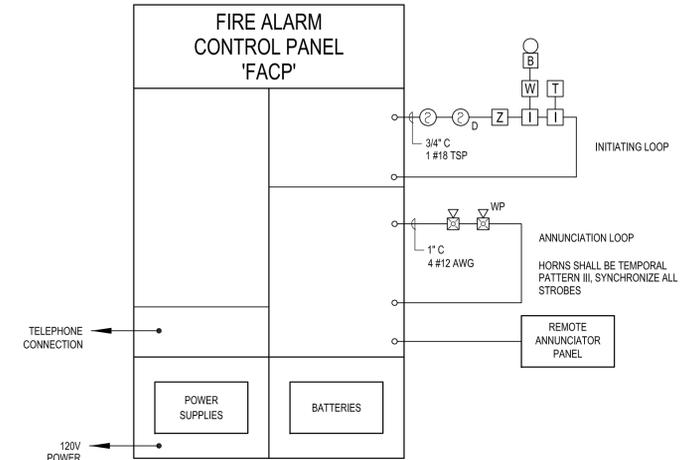
OWNER PROJECT #: 10013500
 SPE PROJECT #: 10-17
 DRAWN BY: JB
 CHECKED BY: JO
 DESIGNED BY: JO
 COPYRIGHT: © 2011 SCOTT P. EVANS - ARCHITECT
 SHEET TITLE:

AUXILIARY RISER

EY701

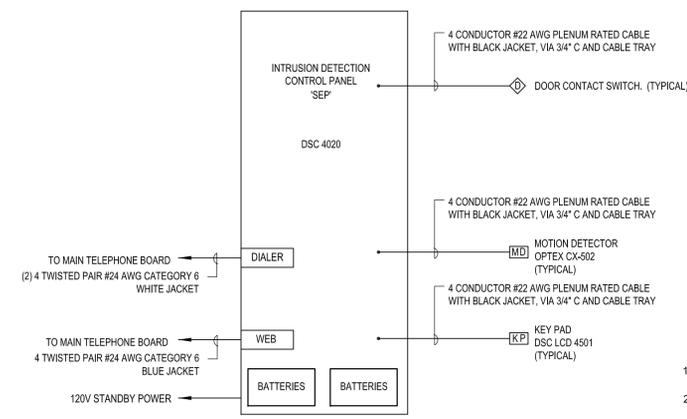
FIRE ALARM SYSTEM NOTES:

1. PROVIDE ADDRESSABLE FIRE ALARM SYSTEM.
2. CONFIRM ALL WIRING REQUIREMENTS WITH FIRE ALARM SYSTEM SUPPLIER AND PROVIDE IN ACCORDANCE THEREWITH.
3. THE SYSTEM SHALL BE PROGRAMMED SO THAT IF ANY INITIATION DEVICE IS ACTUATED, AN ALARM SIGNAL WHICH IS AUDIBLE THROUGHOUT THE BUILDING WILL BE ACTIVATED.
4. WIRING SHALL BE CONTINUOUS FROM ONE DEVICE TO ANOTHER. NO SPLICING IS ALLOWED.
5. ALL FIRE ALARM CABLING SHALL BE RUN IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4". CONTRACTOR SHALL SPRAY PAINT ALL JUNCTION BOXES ASSOCIATED WITH THE FIRE ALARM SYSTEM "FIRE ENGINE RED".
6. THE FIRE ALARM SYSTEM SUPPLIER SHALL PROVIDE A COMPUTER DRAFTED PLAN OF THE FIRE ALARM SYSTEM PER ALL REQUIREMENTS OF THE SPECIFICATIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. ALL NOTIFICATION DEVICE CIRCUIT VOLTAGE DROP CALCULATIONS SHALL BE DONE IN COMPLIANCE WITH NFPA 72 2007 SECTION 4.4.4.1. THE FIRE ALARM SYSTEM SUPPLIER TO DETERMINE THE AMOUNT NOTIFICATION DEVICE CIRCUITS THAT ARE REQUIRED BASED ON THE NUMBER OF NOTIFICATION DEVICES SHOWN ON THE DRAWINGS.
8. SUBMIT THE FIRE ALARM INSTALLATION DRAWINGS AND MANUFACTURERS CUTSHEETS TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL PRIOR TO THE ROUGH-IN OF THE SYSTEM.
9. VERIFY AND COMPLY WITH ALL LOCAL AND NATIONAL CODES.
10. FIRE ALARM SYSTEM SUPPLIER TO PROVIDE A COPY OF PROGRAMMING CODES AND OPERATION MANUALS IN A SLEEVED BINDER ATTACHED TO THE FIRE ALARM CONTROL PANEL.



1 FIRE ALARM SYSTEM RISER DIAGRAM
 SCALE: NONE

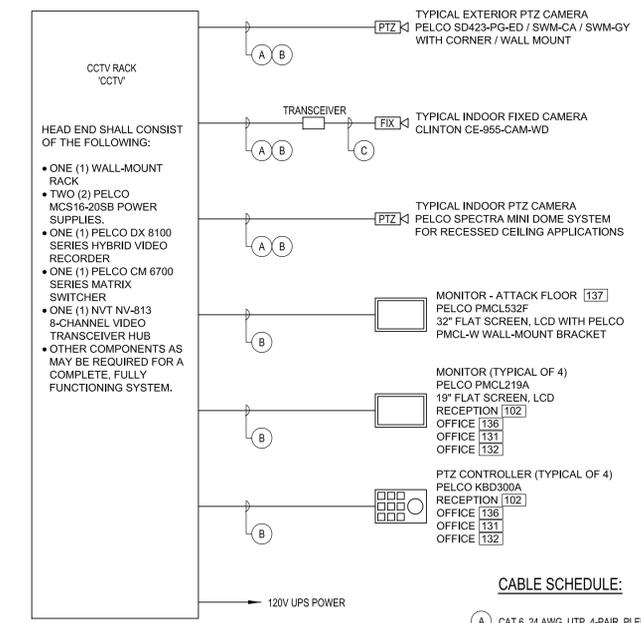
ZONE NO.	ZONE DESCRIPTION
1	DOOR CONTACT SWITCH - DOOR 101
2	DOOR CONTACT SWITCH - DOOR 103
3	DOOR CONTACT SWITCH - DOOR 104
4	DOOR CONTACT SWITCH - DOOR 107
5	MOTION DETECTOR - LOBBY 103, RECEPTION 102
6	MOTION DETECTOR - HALL 104
7	MOTION DETECTOR - MULTI-PURPOSE 106A
8	MOTION DETECTOR - MULTI-PURPOSE 106B
9	MOTION DETECTOR - MULTI-PURPOSE 106C
10	MOTION DETECTOR - ATTACK FLOOR 137
11	SPARE
12	SPARE
13	SPARE
14	SPARE
15	SPARE
16	SPARE



SECURITY SYSTEM GENERAL NOTES:

1. ALLOW SUFFICIENT LENGTH OF CABLE FOR TERMINATION AT EACH END.
2. PLENUM RATED CABLE.
3. LABEL ALL CABLES AT BOTH ENDS WITH ROOM NUMBER.
4. REFER TO SECURITY ZONE SCHEDULE.
5. COORDINATE ALL REQUIREMENTS WITH TOOELE SCHOOL DISTRICT PRIOR TO ROUGH-IN.
6. THE SECURITY SYSTEM SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE SECURITY SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE PLANS, SECTIONS, ELEVATIONS, FINAL DEVICE LOCATIONS, CONDUIT SIZE AND ROUTING AND ALL CONDUCTOR SIZES. TYPICAL RISERS WILL NOT BE ACCEPTED.
7. APPROVED INTEGRATORS FOR THE ACCESS CONTROL SYSTEM ARE KRATOS, WASATCH CONTROLS, SIMPLEX, AND NISCAYAH. OTHER INTEGRATORS WISHING TO BE APPROVED SHALL SUBMIT INFORMATION ON THEIR COMPANY AND PROPOSED PRODUCTS, 10 WORKING DAYS PRIOR TO BID.

3 SECURITY SYSTEM RISER DIAGRAM
 SCALE: NONE



SECURITY SYSTEM GENERAL NOTES:

1. ALLOW SUFFICIENT LENGTH OF CABLE FOR CONNECTIONS AT EACH END.
2. PLENUM RATED CABLE.
3. LABEL ALL CABLES AT BOTH ENDS WITH AREA SERVED.
4. CONTRACTOR TO PROVIDE ALL CABLING, WEATHERPROOF JUNCTION BOXES, AND CONDUIT RACEWAYS.
5. CONTRACTOR TO PROVIDE ALL TERMINATIONS AND TESTING OF CABLES, CONTRACTOR TO TERMINATE ALL CABLES TO PATCH PANELS AND POWER SUPPLIES AND INSTALL ALL RACK EQUIPMENT.
6. CCTV SUPPLIER/INSTALLER TO INSTALL ALL HOUSINGS / MOUNTS AND FINAL CONNECTION TO CAMERAS. CCTV SUPPLIER/INSTALLER TO PROVIDE ALL COMMISSIONING, PROGRAMMING AND CONNECTIONS WITHIN THE RACK.
7. COORDINATE ALL REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
8. THE CCTV SYSTEM SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE SECURITY SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE PLANS, SECTIONS, ELEVATIONS, FINAL DEVICE LOCATIONS, CONDUIT SIZE AND ROUTING AND ALL CONDUCTOR SIZES. TYPICAL RISERS WILL NOT BE ACCEPTED.
9. REFER TO GENERAL NOTES ON SHEET EY101 FOR ADDITIONAL INFORMATION.
10. APPROVED INTEGRATORS FOR THE ACCESS CONTROL SYSTEM ARE KRATOS, WASATCH CONTROLS, SIMPLEX, AND NISCAYAH. OTHER INTEGRATORS WISHING TO BE APPROVED SHALL SUBMIT INFORMATION ON THEIR COMPANY AND PROPOSED PRODUCTS, 10 WORKING DAYS PRIOR TO BID.

2 CCTV SYSTEM RISER DIAGRAM
 SCALE: NONE

CABLE SCHEDULE:

A	CAT 6, 24 AWG, UTP, 4-PAIR, PLENUM-RATED.
B	18 AWG, 2 CONDUCTOR, PLENUM-RATED.
C	RG-6 COAX CABLE, PLENUM-RATED.

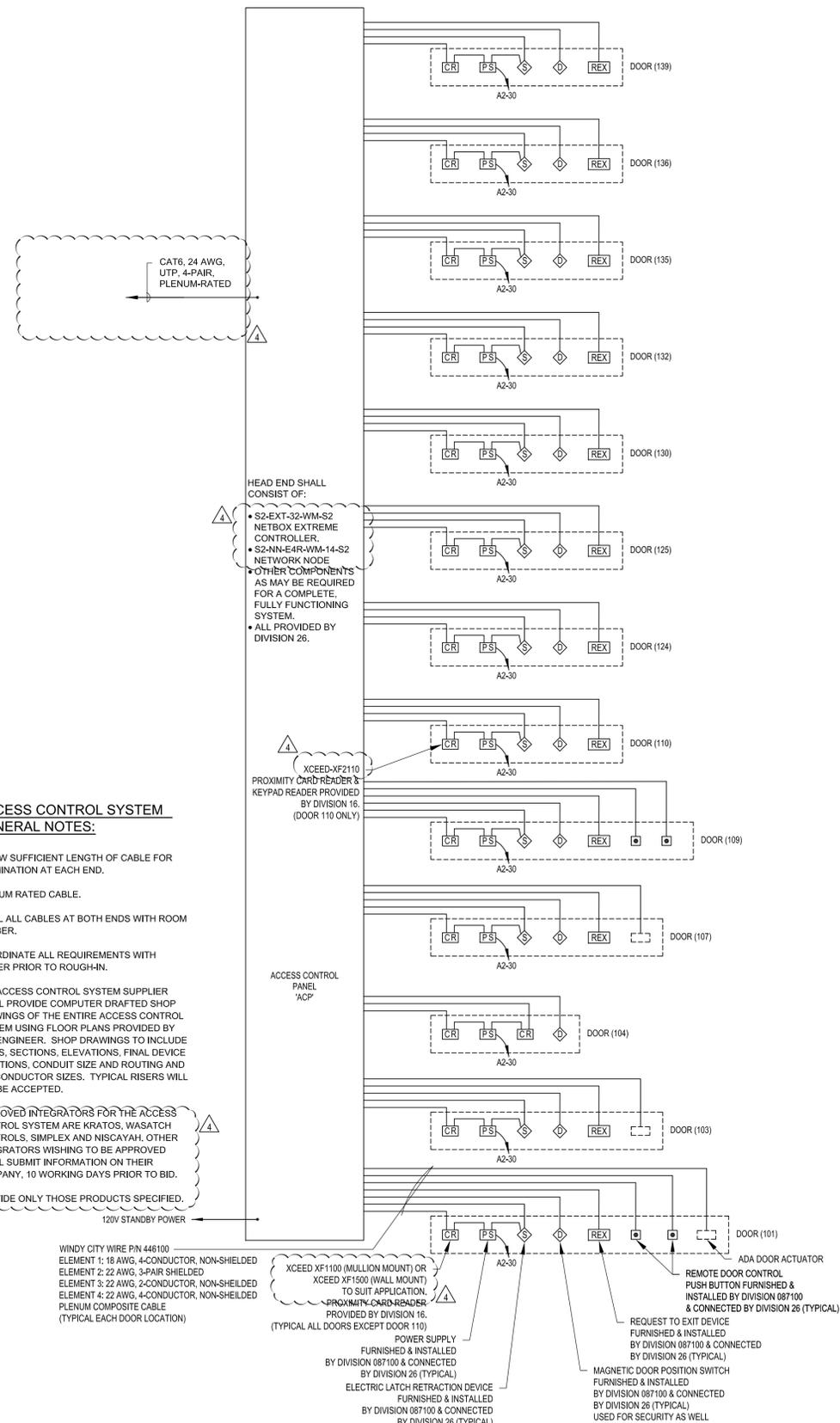


244 West 300 North, Suite 100
 Salt Lake City, Utah 84103
 801.534.1130 ph 801.534.1080 fax

ACCESS CONTROL SYSTEM GENERAL NOTES:

1. ALLOW SUFFICIENT LENGTH OF CABLE FOR TERMINATION AT EACH END.
2. PLENUM RATED CABLE.
3. LABEL ALL CABLES AT BOTH ENDS WITH ROOM NUMBER.
4. COORDINATE ALL REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
5. THE ACCESS CONTROL SYSTEM SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE ACCESS CONTROL SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE PLANS, SECTIONS, ELEVATIONS, FINAL DEVICE LOCATIONS, CONDUIT SIZE AND ROUTING AND ALL CONDUCTOR SIZES. TYPICAL RISERS WILL NOT BE ACCEPTED.
6. APPROVED INTEGRATORS FOR THE ACCESS CONTROL SYSTEM ARE KRATOS, WASATCH CONTROLS, SIMPLEX AND NISCAYAH. OTHER INTEGRATORS WISHING TO BE APPROVED SHALL SUBMIT INFORMATION ON THEIR COMPANY, 10 WORKING DAYS PRIOR TO BID.
7. PROVIDE ONLY THOSE PRODUCTS SPECIFIED.

4 ACCESS CONTROL SYSTEM RISER DIAGRAM
 SCALE: NONE



P:\N\2010\04-06-10 - 01B - Interagency Fire Dispatch Center\04-06-10 - Reg. Layout 1 - 3/22/2011 2:46:59 PM - penina

VIII. ARCHITECTURAL SUPPLEMENTARY SPECIFICATIONS

Project Manual Table of Contents

DIVISION 00 – BIDDING AND CONTRACT REQUIREMENTS

00 3132 GEOTECHNICAL DATA

DIVISION 01 - GENERAL REQUIREMENTS

01 1000 SUMMARY
01 2300 ALTERNATES
01 2500 SUBSTITUTION PROCEDURES
01 2600 CONTRACT MODIFICATION PROCEDURES
01 2900 PAYMENT PROCEDURES
01 3100 PROJECT MANAGEMENT AND COORDINATION
01 3200 CONSTRUCTION PROGRESS DOCUMENTATION
01 3300 SUBMITTAL PROCEDURES
01 3514 LEED CREDIT SUMMARY
01 3516 LEED SUBMITTAL FORMS
01 3516.01 LEED MATERIAL COST SUMMARY FORM
01 3516.02 LEED WOOD-CONTAINING PRODUCT LIST
01 3516.03 LEED METAL-CONTAINING PRODUCT LIST
01 3516.04 LEED MATERIAL CONTENT FORM
01 3516.05 LEED NEW PRODUCT SOURCE FORM
01 3516.07 LEED PROHIBITED CONTENT INSTALLER CERTIFICATION
01 4000 QUALITY REQUIREMENTS
01 4200 REFERENCES
01 5000 TEMPORARY FACILITIES & CONTROLS
01 5721 INDOOR AIR QUALITY CONTROLS
01 6000 PRODUCT REQUIREMENTS
01 6116 VOLITILE ORGANIC COMPUND (VOC) CONTENT RESTRICTIONS
01 6116.01 ACCESSORY MATERIAL VOC CONTENT CERTIFICATION FORM
01 7300 EXECUTION
01 7419 CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL
01 7700 CLOSEOUT PROCEDURES
01 7823 OPERATION AND MAINTENANCE DATA
01 7839 PROJECT RECORD DOCUMENTS
01 7900 DEMONSTRATION AND TRAINING
01 9113 GENERAL COMMISSIONING REQUIREMENTS
01 9115 BUILDING ENVELOPE COMMISSIONING
01 9118 BUILDING ENVELOPE TESTING PROTOCOLS

DIVISION 02 – EXISTING CONDITIONS

NOT APPLICABLE

DIVISION 03 - CONCRETE

03 1150 INSULATING CONCRETE FORMS (ICF)
03 3000 CAST-IN-PLACE CONCRETE

Project Manual Table of Contents

DIVISION 04 - MASONRY

NOT APPLICABLE

DIVISION 05 - METALS

05 1200	STRUCTURAL STEEL FRAMING
05 2100	STEEL JOIST FRAMING
05 3100	STEEL DECKING
05 4000	COLD-FORMED METAL FRAMING
05 5000	METAL FABRICATIONS

DIVISION 06 – WOOD, PLASTICS AND COMPOSITES

061053	MISCELLANIOUS ROUGH CARPENTRY
061600	SHEATHING
06 4023	INTERIOR ARCHITECTURAL WOODWORK

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

07 1326	SELF-ADHERING SHEET WATERPROOFING
07 2100	THERMAL INSULATION
07 2413	POLYMER-BASED EXTERIOR INSULATED AND FINISH SYSTEM (EIFS)
07 2500	WEATHER BARRIERS
07 4213	METAL WALL AND SOFFIT PANELS
07 5419	POLYVINYL-CHLORIDE (PVC) ROOFING
07 6200	SHEET METAL FLASHING AND TRIM
07 7200	ROOF ACCESSORIES
07 9200	JOINT SEALANTS

DIVISION 08 - OPENINGS

08 1113	HOLLOW METAL DOORS AND FRAMES
08 1416	FLUSH WOOD DOORS
08 3113	ACCESS DOORS AND FRAMES
08 3323	OVERHEAD COILING DOORS
08 4113	ALUMINUM FRAMED ENTRANCES AND STOREFRONTS
08 7100	DOOR HARDWARE
08 8000	GLAZING

DIVISION 09 - FINISHES

09 2216	NON-STRUCTURAL METAL FRAMING
09 2900	GYPSUM BOARD
09 3000	TILING
09 5113	ACOUSTICAL PANEL CEILING
09 6513	RESILIENT BASE AND ACCESSORIES
09 6813	TILE CARPETING
09 6900	ACCESS FLOORING
09 9113	EXTERIOR PAINTING
09 9123	INTERIOR PAINTING
09 9600	HIGH-PERFORMANCE COATINGS

Project Manual Table of Contents

DIVISION 10 - SPECIALTIES

10 1100	VISUAL DISPLAY SURFACES
10 1400	SIGNAGE
10 2113	TOILET COMPARTMENTS
10 2226	OPERABLE PARTITIONS
10 2800	TOILET, BATH AND LAUNDRY ACCESSORIES
10 4416	FIRE PROTECTION SPECIALTIES
10 5000	CUSTOM WOOD LOCKERS
10 5113	METAL LOCKERS
10 7500	FLAGPOLES

DIVISION 11 - EQUIPMENT

NOT APPLICABLE

DIVISION 12 - FURNISHINGS

12 2113	HORIZONTAL LOUVER BLINDS
12 2413	ROLLER WINDOW SHADES
12 4813	ENTRANCE FLOOR MATS AND FRAMES
12 9300	SITE FURNISHINGS

DIVISION 13 - SPECIAL CONSTRUCTION

NOT APPLICABLE

DIVISION 14 - CONVEYING EQUIPMENT

NOT APPLICABLE

DIVISIONS 15 – 20

NOT USED

DIVISION 21 – FIRE SUPPRESSION

21 1000	WATER-BASED FIRE-SUPPRESSION SYSTEMS
---------	--------------------------------------

DIVISION 22 – PLUMBING

SEE DIVISION 23 0300 & 23 0400

DIVISION 23 – HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

23 0100	MECHANICAL REQUIREMENTS
23 0150	BALANCING, MAINTENANCE MANUALS, AND IDENTIFICATION
23 0200	INSULATION
23 0250	SEISMIC AND VIBRATION CONTROL
23 0300	PIPING SYSTEMS, SPECIALTIES AND VALVES
23 0400	PLUMBING SYSTEMS
23 0700	HEAT TRANSFER SYSTEMS
23 0800	AIR DISTRIBUTION, HEATING AND AIR CONDITIONING
23 9000	AUTOMATIC TEMPERATURE CONTROLS
23 9900	SEQUENCE OF OPERATIONS FOR HVAC CONTROLS

Project Manual Table of Contents

DIVISIONS 24 – 25

NOT USED

DIVISION 26 – ELECTRICAL

260001	ELECTRICAL GENERAL PROVISIONS
260070	ELECTRICAL CONNECTIONS FOR EQUIPMENT
260072	ELECTRICAL SUPPORTS AND SEISMIC RESTRAINTS
260110	CONDUIT RACEWAYS
260111	RACEWAY SYSTEMS
260120	CONDUCTORS AND CABLES
260135	ELECTRICAL BOXES AND FITTINGS
260140	WIRING DEVICES
260155	MOTOR STARTERS
260160	PANELBOARDS
260170	DISCONNECT SWITCHES
260180	OVERCURRENT PROTECTIVE DEVICES
260182	SWITCHBOARDS
260289	TYPE 2 SURGE PROTECTIVE DEVICES
260420	SERVICE ENTRANCE
260435	OVERCURRENT PROTECTIVE DEVICE COORDINATION STUDY
260452	GROUNDING
260510	INTERIOR AND EXTERIOR BUILDING LIGHTING
260551	EXTERIOR AREA LIGHTING
260560	LIGHTING CONTROL EQUIPMENT
260670	LIGHTNING PROTECTION SYSTEM
263213	ENGINE GENERATORS
263353	STATIC UNINTERRUPTIBLE POWER SUPPLY
263600	TRANSFER SWITCHES

DIVISION 27 – COMMUNICATIONS

270730	ACCESS CONTROL SYSTEM
270740	TELEPHONE AND DATA SYSTEMS
270781	CLOSED-CIRCUIT TELEVISION EQUIPMENT
275115	AUDIO SYSTEMS
275117	VIDEO SYSTEMS

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

280720	INTRUSION DETECTION
280721	DIGITAL, ADDRESSABLE FIRE-ALARM SYSTEMS

DIVISIONS 29 – 30

NOT USED

Project Manual Table of Contents

DIVISION 31 EARTH WORK

31 0110	DUST CONTROL
31 0513	COMMON FILL
31 0515	CEMENT TREATED FILL
31 0519	GEOTEXTILES
31 1100	SITE CLEARING
31 2316	EXCAVATION
31 2323	BACKFILLING FOR STRUCTURES
31 2326	COMPACTION
31 2500	EROSION AND SEDIMENTATION CONTROL
31 3700	RIPRAP OR ROCK LINING

DIVISION 32 EXTERIOR IMPROVEMENTS

32 0510	BACKFILLING ROADWAYS
32 11 23	CRUSHED AGGREGATE BASE
32 1130	PAVEMENT SEAL COATS
32 1203	PAVING ASPHALT BINDER
32 1205	ASPHALT CONCRETE MIX
32 1213	PRIME COAT
32 1214	TACK COAT
32 1216	PLANT-MIX ASPHALT PAVING
32 1313	CONCRETE PAVING
32 1373	CONCRETE PAVING JOINT SEALANTS
32 1613	DRIVEWAY, SIDEWALK, CURB, GUTTER
32 1614	CURB RAMP
32 1723	PAVEMENT MARKINGS
32 8400	IRRIGATION SYSTEMS
32 9300	LANDSCAPE PLANTING

DIVISION 33 UTILITIES

33 0505	DUCTILE IRON PIPE
33 0506	POLYETHYLENE PIPE
33 0507	POLYVINYL CHLORIDE PIPE
33 0514	UTILITY GRADE ADJUSTMENT
33 0520	BACKFILLING TRENCHES
33 0525	PAVEMENT RESTORATION
33 0800	COMMISSIONING OF WATER UTILITIES
33 1100	WATER DISTRIBUTION AND TRANSMISSION
33 1216	WATER VALVES
33 1219	HYDRANTS
33 1233	WATER METERS
33 1300	DISINFECTION
33 2700	GEOHERMAL LOOP HEAT EXCHANGER (GLHE)
33 3100	SANITARY SEWERAGE SYSTEMS
33 3101	SANITARY SEWER PUMP SYSTEM
33 4100	STORM DRAINAGE SYSTEMS

Project Manual Table of Contents

DIVISIONS 34 – 49

NOT USED

END OF SECTION 00 0110

IX. ARCHITECTURAL SUPPLEMENTARY DRAWINGS

None