REQUEST FOR PROPOSAL

FOR

X-Ray Equipment
Project: BI-CTC-442; NVCC Founders Hall
FOR

Naugatuck Valley Community College
(NVCC)

May 12, 2016

I. PROJECT / TEAM OVERVIEW

The client for this project Is Naugatuck Valley Community College or as noted with this document NVCC.

A. Project Description

NVCC currently is renovating Founders Hall at Chase Parkway, Waterbury, CT, and is planning to incorporate a Radiologic Technology Lab with in the building.

B. Client Description

NVCC is a two year community college in Waterbury CT. As the campus grows, NVCC wants to give its student's the best learning environment with the latest technology.

C. STV|DPM Role

DPM|STV is a Hartford, CT based consulting firm that specializes in coordinating corporate construction and relocation projects. STV|DPM is an owner's representative working directly for NVCC and does not accept commissions, referral fees or other incentives. STV|DPM will be acting as NVCC's representative throughout the process and, along with internal NVCC personnel, will be involved with the selection and management of the development team and all trades involved with the project. All correspondence should be directed through STV|DPM. The vendor must sign exhibit 1 that is attached and return with the bid.

II. SCOPE OF WORK

NVCC is in search of a firm to provide, deliver and install the equipment items listed below for their Radiologic Technology Lab. Access to this facility is restricted, all visits must be scheduled 48 hours in advance with the Construction Administrator. Please contact Seumas Quinn of AZ Construction at 860-625-3276. It shall be the bidder's responsibility to familiarize themselves with the facility as there are preliminary construction drawings attached (exhibit 2) for "information only". Final sketches will be provided to the apparent low bidder prior to construction.

The selected vendor will be required to provide and install the above ceiling strut assembly which supports the X-ray equipment including all engineering associated. The State will be adding supplemental steel beams/framing to the space and the new strut assembly must be self-supporting from this new steel framing.

DEL OTC 12D DIGITAL IMAGING SUITE with SINGLE Fuji DEVO DR

CAT. NO.	ITEM / DESCRIPTION
DM-OTC12-M	**Del Medical OTC12 Manual Ceiling Mount with Touch Screen Control Panel** - Minimum source to ceiling distance 32.6" (830 mm) - Vertical telescope travel range (Manual only): 70.8" (1800mm) - Longitudinal travel range: 136.4" (3460mm) - Optional rail extensions: 222.2" (5645mm) - Longitudinal detent positions, configurable during installation - Transverse travel range, with standard 9.8' (3m) rail: 84.6" min. (2150mm) - Optional 13.1' (4m) rail: 137.8" max. (3500mm) - Transverse detent positions, configurable during installation - Tube rotation range, horizontal axis; -120°, +120° - Detent positions; -90°, 0°, +90° - Tube rotation range, vertical axis; -154°, +182° - Detent positions; -90°, 0°, +90°, +180° - Vertical telescope travel range: 70.9" (1800mm) - Front display digital readouts: SID, horizontal tube rotation angle and generator control - 1 pair 80' (24 meters) HV cables included with cable concealment and management system - Standard 14' rail included - Ceiling Struts
TUBE-VR614-90	**Varian RAD 14 X-Ray Tube - 90° cable arms, 0.6x1.2mm FS, 300kHU, 3" Anode, 150KVP, 12°**
COL-RALCO-M	**Ralco Certified Manual Collimator** - External adjustment of mirror angulation - High luminosity power LED for light field projection. LED cluster life: 50,000 hours - Timer that limits cluster ON time to 30 seconds - Radiation shielding: 150 kVp - 4 mA - Minimum inherent filtration 2mm aluminum equivalent. (1mm on request) - Continuous film coverage from min. 00 x 00cm to max. 48 x 48cm at 100cm FFD (SID)
DM-CM50DR	**Del Medical CM Series DR 50kW, 63000mA, High Frequency Three Phase Generator** - 150 kVp - Digital Interface for integration with Digital Radiography systems - Anatomical Programming with 768 programmable technique selections - Operator Console with Pedestal and Hand Switch - One, two, or three point technique selection - Two-Bucky Capability - Power Cabinet with Auxiliary Power Supply - Tube Protection Circuitry - Dual Speed Starter (High Speed) - Integrated service software assists in calibration and service - Self-diagnostic circuitry with error code recording for fast trouble shooting - 208VAC Three Phase Power

CAT. NO.	ITEM / DESCRIPTION
DM-EV800	**Del Medical EV800 Elevating Table with Four-Way Float Top** - 800 lb. (363 kg) patient load capacity (a lower weight limit table is acceptable) - 86.5" (220cm) x 36.0" (81cm) fiber resin table-top - Height adjustment: 21.75" (55.25cm) to 33.77" (85.8cm) - Table top movement: +/- 21.25" (54cm) longitudinal, +/- 4.5" (11.4cm) transverse - Bucky travel: +/- 8.5" (22cm) longitudinal - Quiet, heavy-duty motor with efficient elevating action - Recessed foot treadle lock controls for longitudinal and transverse, plus table top up/down movement - Tableside hand control provides an additional source for all table movements - Integral collision safety sensors - Rotating Flat Panel Detector

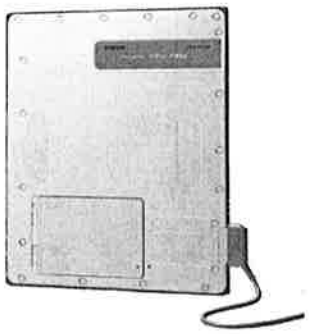
DM-TBL-36 top)	**36" Width Table Top** (replaces standard 32"

Del Medical

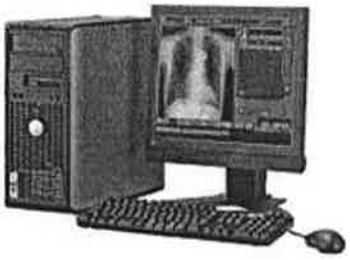
DM-TBL-REMOTE	**Table Top Hand Control** - Controls all table functions
DM-VS300	**Del Medical VS300 Wall Stand with Slender Column Design with Rotating Flat Panel Detector Capabilities** - Slender Column Design - Electric "Fail Safe" locks - Ergonomic release handle - Lateral patient handgrips included - Height: 84", Depth: 13.4", Width: 24.6" - Weight: 200 lbs - 0.4mm front panel aluminum equivalency - ETL listed
DM-VS300-OVHGRP	**Overhead Patient Handgrips for VS300 Wall Stand**
DM-AEC-INT-2ION	**AEC Kit with Interface Board** - Included two (2) Ion Chambers
DM-CM-DR-DW	**CMDR Series Digital Interface for DELWORKS DR**
GR-103-10-34-02	**103 Line, 10:1, 34-44" Grid - Table**
GR-103-10-40-02	**103 Line, 10:1, 40-72" Grid – Wall**
DM-TBL-GC-TRAY	**Grid Cabinet, 17x17" with Deluxe Manual Cassette Tray - Table**
DM-WALL-GC-TRAY	**Grid Cabinet, 17x17" with Deluxe Manual Cassette Tray - Wall**
DM-E14C-CAP-WBS	**E14C Weight Bearing Detector Encasement**
DM-TBL-LAT-HLDR	**Table Top Lateral Cassette Holder**

CAT. NO.	ITEM / DESCRIPTION
800044259	**FDR D-EVO P35s FPD Wireless Detector**

- Same size as 14x17x0.5" CR or film cassette, 7lbs.
- Magnetic tethered operation included
- GoS: Gadolinium Oxysulfide scintillator
- Image preview in less than 2 seconds, less than 10 second cycle time
- Up to 3.8 second exposure times for breathing techniques
- 150 Micron Pixel Pitch (2,304 x 2,880 pixel matrix)
- Wireless meets HIPPA requirements for secure patient data transmission



800044393 **FDX Console**



Technologist Workstation for Acquisition and Review:

- Desktop CPU (Windows & Pro, 32bit, Core i5, 3.2GHz,
- 4G RAM, 500GB HDD), keyboard and mouse
- 19" color touchscreen monitor and barcode scanner
- DICOM Store for connectivity to PACS
- FDX Console markers and menus
- Dynamic visualization for advanced image processing
- FNC (Flexible Noise Control) to suppress noise without loss of sharpness
- MFP (Multi Frequency Processing) providing overall density uniformity
- Technologist editing tools; automatic and manual shutters (black boarders) and movable annotation markers.
- Auto trimming simplifies off center imaging of small anatomy by recognizing the collimated area and applying it to the full screen for optimized display at PACS.
- QC adjustments including exam reprocessing, sensitivity, latitude, density and contrast
- Free Text Annotation with commenting text annotation marker capability
- Image Magnification for enhanced full screen, magnification and zoom image display tools
- Basic security features include user restriction and are customizable by technologist
- Statistical Analysis reporting of the patient image database, including reason for image rejection coding
  for reject or other performance analyses.

CAT. NO.	ITEM / DESCRIPTION
800044255	**FDR D-EVO Base Room**

- MP (activates the FPD during exposures
- One (1) SE cable and cable clamp
- FDR D-EVO application software and setup guide
- CAT 5 cables, 5 port switch
- Cable box

800044254 **FDR D-EVO Generator Interface**

- Interface box
- Interface cable
- Hand exposure switch
- 2x2 and 4x2 exposure button covers

X-FDR-DEVO-BATT **FDR D-EVO Wireless Detector Battery** (2) Two

TRAINING2 **2 Days On-Site End User Applications**

DM-DROP **Drop Warranty First Year INCLUDED**
- First Year Ownership Included / Subject to a $3,000.00 per Occurrence Deductible

New Equip. DR SYSTEM PRICE: _____
Installation Cost: _____
No substitutes accepted

800042146 Fuji FCR Prima T with FDX Console

FCR PRIMA-T Reader Unit:

- Small Footprint: 3.2 sq. ft., 21"W x 22"D x 15.5"H. 86 lbs.
- Single Cassette Insertion
- Throughput speeds of up to 66 Plates per hour
- 6-outlet surge protection power-strip

Workstation Cart (Optional):

- Heavy duty space-saving workstation and countertop workspace, custom designed to fit over the reader making the system a compact all-in-one set up.
- Stitching accessories are available.

FDX Technologist PC Workstation for Image Acquisition and Review:

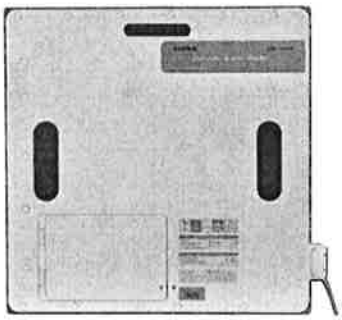
- Desktop CPU (Windows 7 Professional, 32-bit, 3.1GHz, Core i5, 4G RAM, 500GB HDD), keyboard, 19" color touchscreen LCD monitor
- Image previews as the IP is scanned for quick positioning checks before the next exam
- DICOM Work list Management for interface to DICOM compliant RIS/HIS
- DICOM CR Store for connectivity to PACS
- DICOM Print – enables printing from the Flash IIP workstation to a DICOM printer
- QC adjustments – includes exam reprocessing, sensitivity, latitude, density and contrast
- FNC (Flexible Noise Control) – advanced image processing for intelligent suppression of noise without loss of diagnostic information or sharpness
- MFP (Multi-Frequency Processing) – sophisticated image processing providing overall density uniformity for all anatomical regions
- Technologist editing – includes automatic and manual shutters (black borders) and movable annotation markers
- Basic security features – customizable technologist log in/log out and user restrictions
- Statistical Analysis reporting – text file download of patient image database, including reason for image rejection coding, for reject or other performance analyses
- DICOM CD exporting software – enables users to burn CD's with an embedded Dicom Viewer
- Free Text Annotation – commenting text annotation marker capability
- Image Magnification – enhanced full screen, magnification and zoom image display tools
- Cassette package – practice-specific cassette bundle
- Applications training
- 2 ea – 14" x 17" Cassette Type CC
- 2 ea – 14" x 17" ST VI Imaging Plate

NEW CR SYSTEM PRICE: _____
Installation Cost:_____
No substitutes accepted

OPTIONAL:

CAT. NO.	ITEM / DESCRIPTION	
DM-DROP	**DR Detector Drop Warranty 3 Additional Years**	$_____
800044258	**New FDR D-EVO P43s** (Dual detector package at time of sale)	$_____
	for Dual Detector System: add 17x17 Detector for wall stand	

- Same size as 17x17x0.5" CR or film cassette, 83lbs.
- Magnetic tethered operation included
- GoS: Gadolinium Oxysulfide scintillator
- a-Si: Amorphous Silicon readout layer
- Image preview in less than 2 seconds, less than 10 second cycle time
- Up to 3.8 second exposure times for breathing techniques
- 150 Micron Pixel Pitch (2,304 x 2,880 pixel matrix)
- Wireless meets HIPPA requirements for secure patient data transmission



Required:

CAT. NO.	ITEM / DESCRIPTION		
	Additional CR Cassettes:		
XCASS-10X12-CC	10 x 12" CR Cassette Type CC	$_____each x 2=	$_____
R230102ST6-SPKG	10 x 12" ST VI CR Imaging Plate	$_____each x 2=	$_____

PARTS WARRANTY

DR PANEL and Workstation: _____.

CR READER: _____

CR WORKSTATION: _____

ALL OTHER SYSTEM PARTS WARRANTY: _____.

LABOR WARRANTY: _____.

List EXCLUSIONS TO WARRANTY:

_____

_____

_____

_____

_____

III. GENERAL PROVISIONS

A. Bid Due Date

All proposals shall be due by June 1, 2016 at 2:00pm:

NVCC
Att: Lisa Anderson
750 Chase Parkway
Waterbury, CT 06708

B. Faxes

Faxes will not be accepted.

C. Vendor Selection

It is expected that the vendor selection will be made no later than 6/17/16

D. Number of Copies required

Please provide **(4)** **sealed** hard copies including detailed colored brochures for the product line specified.

E. Bid Rejection

STV|DPM or NVCC may reject any bids in all formalities, whichever in STV|DPM's or NVCC opinion appears most advantageous to NVCC.

F. Bid Modification

Modification of quotes will not be considered.

G. Insurance

Upon award, the successful bidder will be required to provide a current certificate of insurance naming required certificate holder and additional insured. NVCC reserves the right to require the vendor to carry specific limits that will be provided at a later date.

H. Questions

Questions should be directed via e-mail to Roxanne Perugino (Roxanne.perugino@stvinc.com) no later than 96 hours prior to the proposal due date. All questions will be answered via email to all bidders.

I. Confidentiality
All information contained herein is confidential and shall be treated as such. The selected vendor may be required to sign a client confidentiality and non-disclosure statement before starting work on the project.

J. Governing Law
The contract shall be governed by the laws of Connecticut.

K. Contract & Billing
The contract will be entered into directly between NVCC and the selected vendor. STV|DPM must approve completion of each phase and all vendors used by the bidder including subcontractors, engineers, and consultants.

L. Billing will be directly to NVCC. The original invoice should be **delivered** for auditing and approval to Roxanne Perugino at STV|DPM.

Failure to mail original invoices to STV|DPM will result in a delay in payment.

M. STV|DPM Relationship
NVCC has appointed STV|DPM as the project manager for this project. The selected vendor will need to indemnify and cooperate with STV|DPM for the duration of this project. The attached exhibit acknowledging this relationship must be signed and returned with your proposal.

N. Substitutions
Substitutions **WILL NOT** be allowed.

O. Pricing
Proposal pricing and fees will be in effect for 90 days from proposal submission date.

IV. BID SUBMISSION CRITERIA

A. Overview

1. Indicate how you intend to coordinate this project including names, positions, and brief background of your proposed design and project management team.
2. Include information on your firm including number of years in business and design capabilities.
3. Include at least three references for similar projects completed within the past two years.
4. List the Subcontractors you plan to use.
5. Discuss the future availability / non-obsolescence of the product being proposed, should NVCC decide to add additional product at a later date.
6. List any other value added services.
7. List any litigation your firm or any of its principals may have been involved with in the past five years, and list that litigation's status and /or result.
8. Include your firm's annual dollar volume of furniture sales for the past two years.

B. Cost Proposal

1. Provide a cost proposal based upon State of CT Prevailing Wage Rates.
2. List what design is included in the equipment purchase and any additional fees. Also list your hourly rates for design services.
3. The selected firm will be responsible for coordinating the design, order placement, delivery, installation, debris removal, cleaning, testing of equipment and punch list process.
4. List any deposits required and any other terms.
5. Indicate current lead times for all products.

EXHIBIT 1

Naugatuck Community College, (the Owner) has appointed STV|DPM to observe the work and to have such other responsibilities as the Owner and STV|DPM agree in writing. _____ (Contractor Name) will:

a) Cooperate with STV|DPM in every way.

b) Provide full access to all parts of the Project and the Work to STV|DPM at all times during normal working hours.

c) Provide advance notice and invite STV|DPM to all project meetings and subcontractor meetings concerning the project.

_____(CONTRACTOR NAME) will indemnify, defend and save STV|DPM harmless from any claims, losses, costs or expenses, including attorney's fees and court costs, arising from any occurrence or matter including, but not limited to, the exercise of any agency on behalf of NVCC, undertakings and approvals authorized on behalf of NVCC, personal injury, death and property damage, related to the conduct of the work including third party claims..

Until the Contractor has been given written notice to the contrary, STV|DPM shall act as the Owner's representative in connection with the project. STV|DPM shall attend regularly scheduled project meetings as well as all special project meetings of which it has been given adequate notice. Any action by STV|DPM shall be binding upon the Owner. The Owner may, by written notice pursuant to the provisions of this Agreement, designate another representative to act on its behalf.

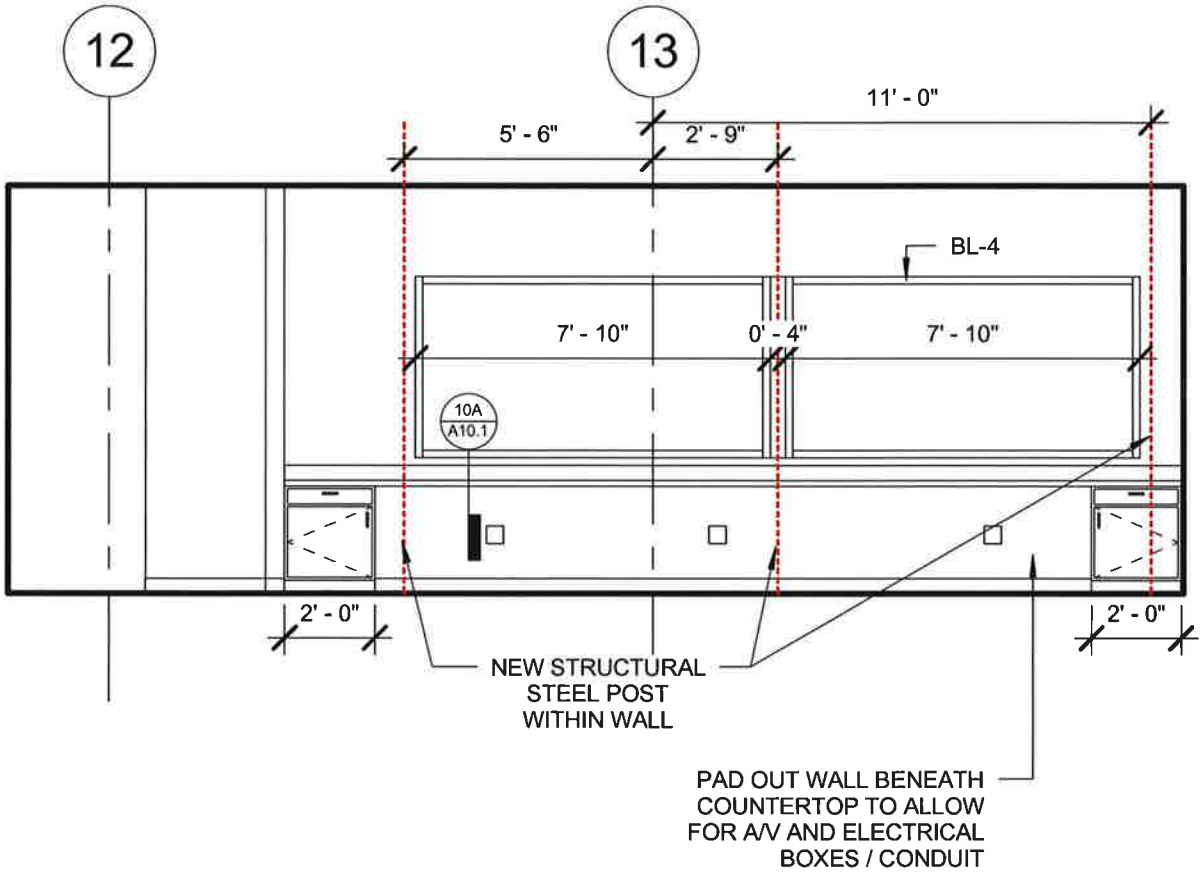
Accepted by:

_____ _____

Name Date

_____

Company



1 DIAGNOSTIC CONTROL - WEST
1/4" = 1'-0"

RCG
RCG ARCHITECTS
509 S. EXETER ST. #300
BALTIMORE, MD 21202
PHONE: 410.685.7033
FAX: 410.783.0036

moser pilon nelson architects
30 JORDAN LANE
METHERSFIELD, CT 06109
860: 563 6184

PROJECT TITLE
Naugatuck Valley Community College
Founders Hall Renovations for
Allied Health and Nursing

PROJECT NO BI-CTC-442

SKETCH TITLE DIAGNOSTIC CONTROL WINDOW

DATE 05/03/2016

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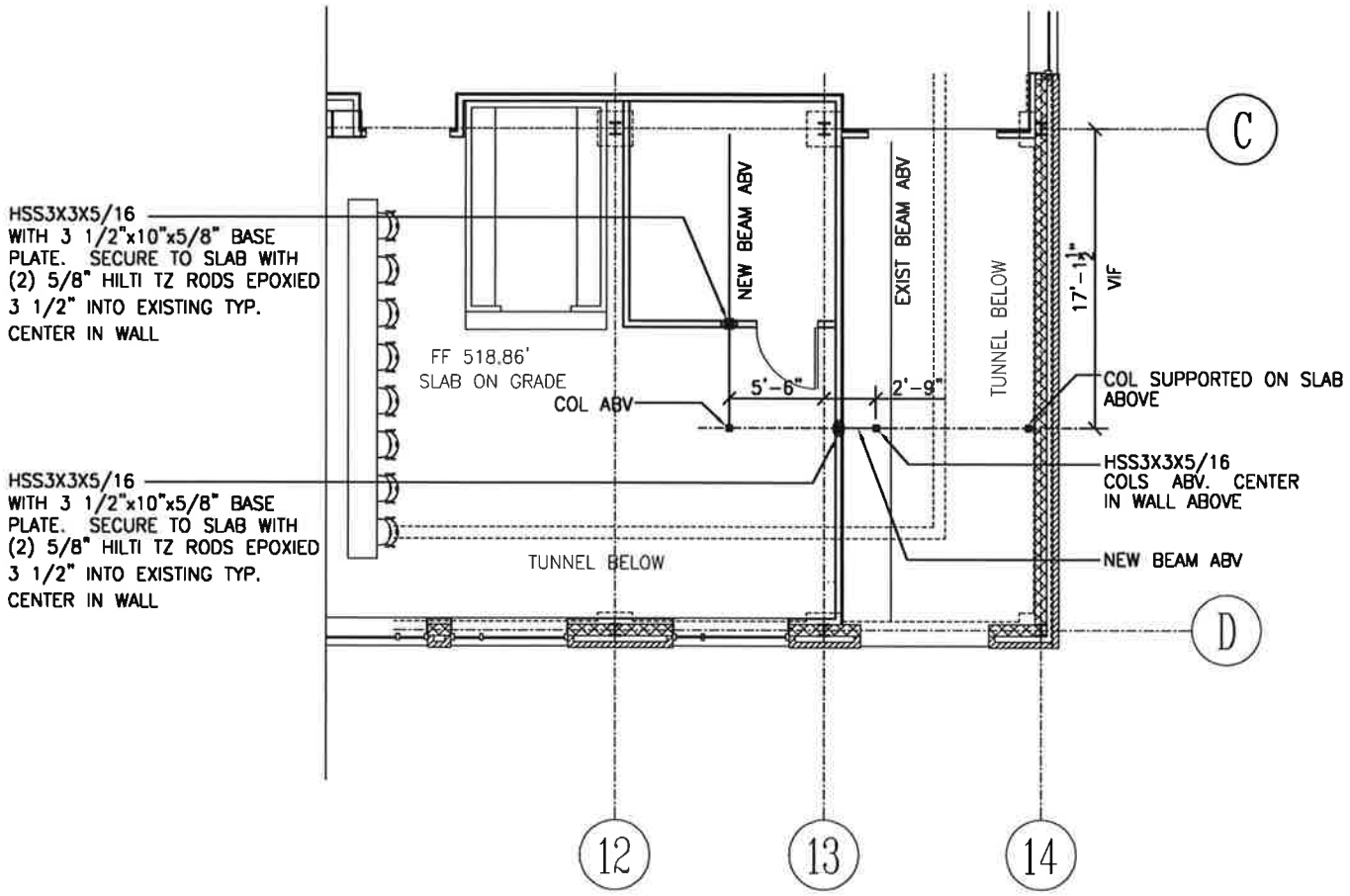
SCALE: AS NOTED

SKETCH NO.
SKA-1



MAIN LEVEL PLAN

SCALE: NTS

NOTE: ALL DIMENSIONS AND ELEVATIONS ARE TO BE FIELD VERIFIED PRIOR TO FABRICATION.

MACCHI ENGINEERS, LLC

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30 JORDAN LANE
WETHERSFIELD, CT. 06109
860 563 6164

PROJECT TITLE
Naugatuck Valley Community College
Founders Hall Renovations for
Allied Health and Nursing

PROJECT NO BI-CTC-442

SKETCH TITLE
X-RAY ROOM SUPPORT EQUIPMENT

SUPPORT FRAMING

DATE 5/3/2016

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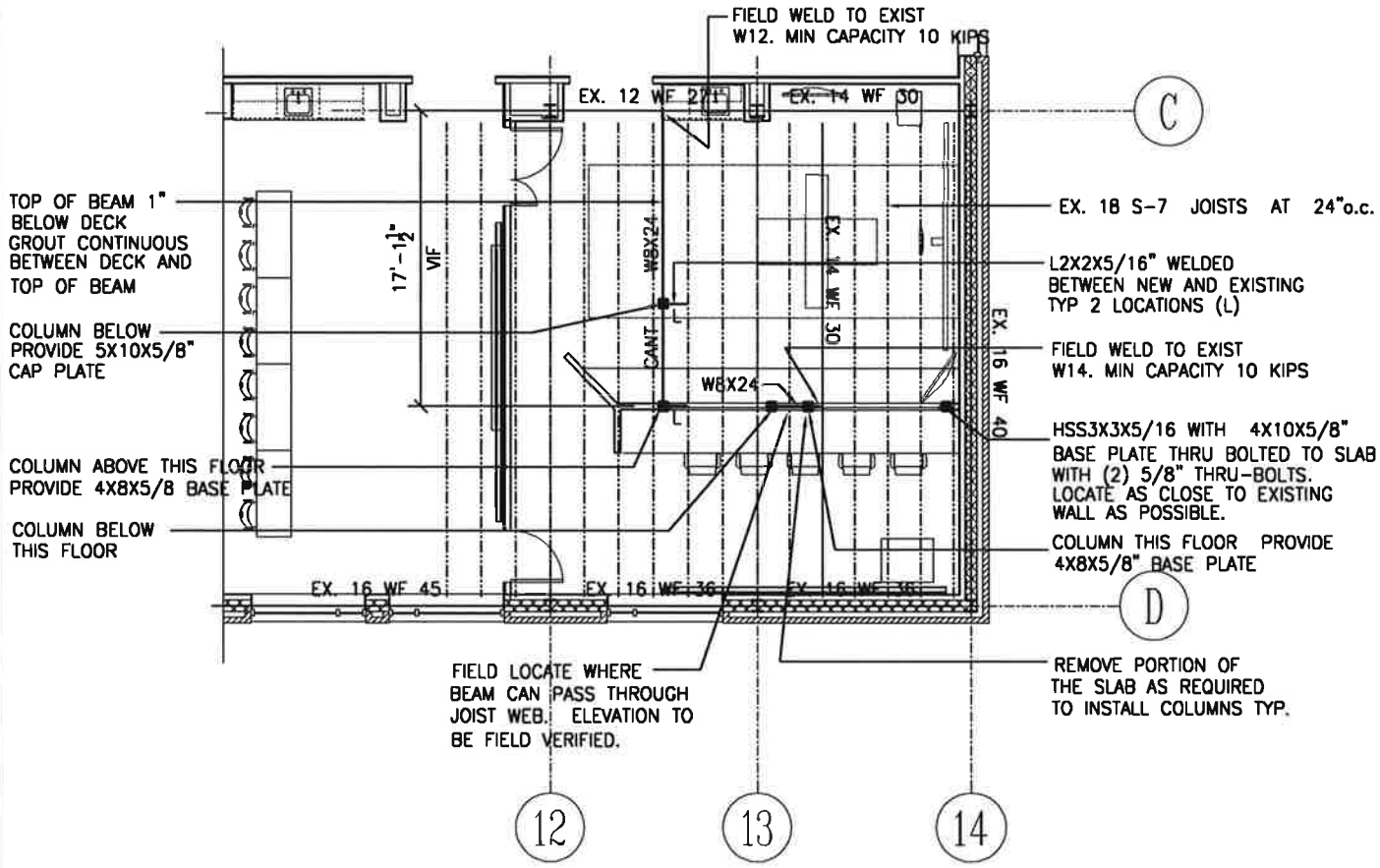
SCALE: AS NOTED

SKETCH NO.
SK-3



SECOND FLOOR LEVEL PLAN

SCALE: NTS

NOTE: ALL DIMENSIONS AND ELEVATIONS ARE TO BE FIELD VERIFIED PRIOR TO FABRICATION.

MACCHI ENGINEERS, LLC

moser pilon nelson architects
30 JORDAN LANE
WETHERSFIELD, CT. 06109
860 563 6164

PROJECT TITLE
Naugatuck Valley Community College
Founders Hall Renovations for
Allied Health and Nursing

PROJECT NO BI-CTC-442

SKETCH TITLE
X-RAY ROOM SUPPORT EQUIPMENT

SUPPORT FRAMING

DATE 5/3/2016

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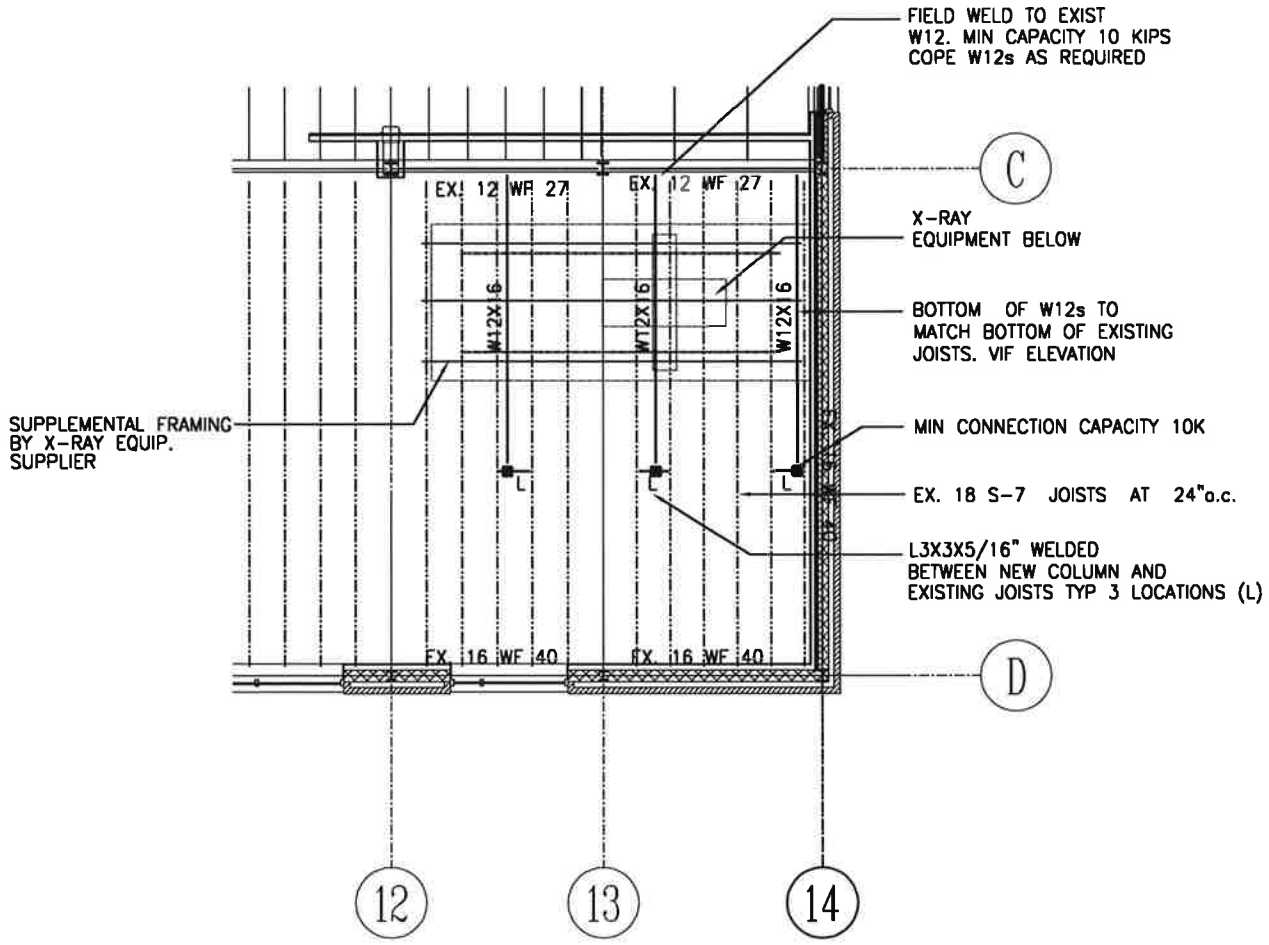
SCALE: AS NOTED

SKETCH NO.
SK-4



THIRD FLOOR LEVEL PLAN

SCALE: NTS

NOTE: ALL DIMENSIONS AND ELEVATIONS ARE TO BE FIELD VERIFIED PRIOR TO FABRICATION.

MACCHI ENGINEERS, LLC

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PROJECT TITLE
Naugatuck Valley Community College
Founders Hall Renovations for
Allied Health and Nursing

PROJECT NO BI-CTC-442

SKETCH TITLE
X-RAY ROOM SUPPORT EQUIPMENT

SUPPORT FRAMING

DATE 5/3/2016

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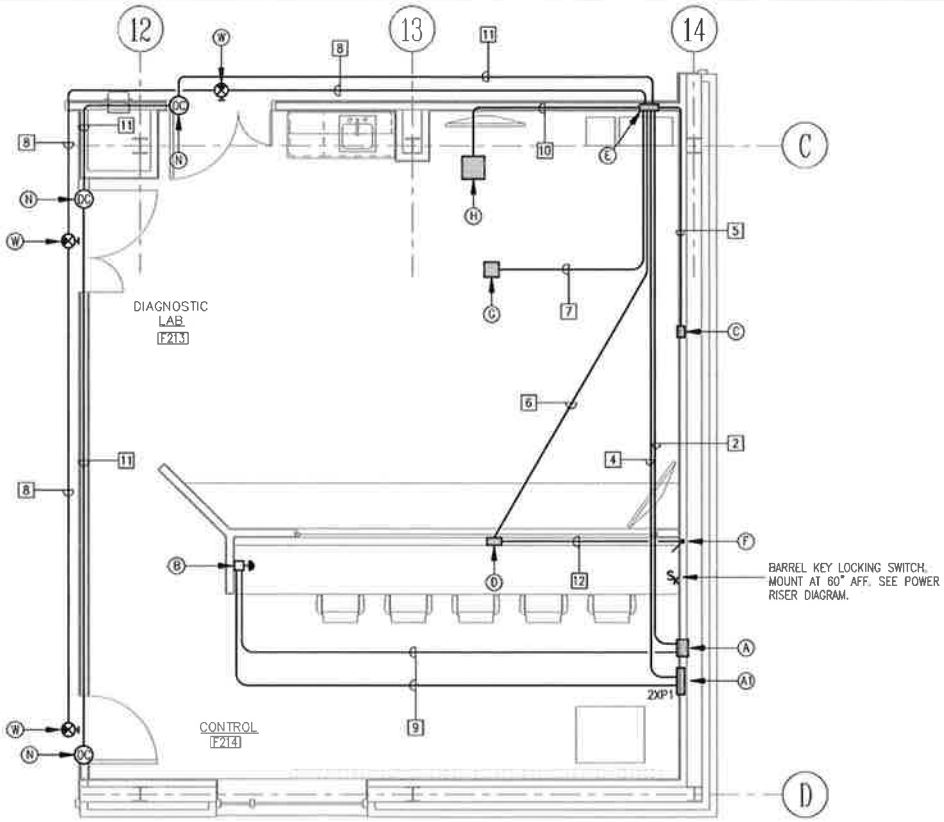
SCALE: AS NOTED

SKETCH NO.
SK-5



PART PLAN - ROOMS F213 AND F214

SCALE: 1/4"=1'-0"

DATE 5/3/2016

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SCALE: AS NOTED

SKETCH NO. SKE-2

PROJECT TITLE Naugatuck Valley Community College
Founders Hall Renovations for
Allied Health and Nursing

PROJECT NO BI-CTC-442

SKETCH TITLE SECOND FLOOR POWER PLAN - NORTH
F213 AND F214 POWER REVISIONS

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TERMINAL SCHEDULE	
TAG	DESCRIPTION
A	250 AMP FRAME/100 AMP TRIP, 3-POLE ENCLOSED C/B WITH 120V SHUNT TRIP. PROVIDE WITH NEUTRAL AND GROUND ACCESSORIES. PROVIDE FLUSH NEMA 1 ENCLOSURE.
A1	SQUARE D QO LOAD CENTER, FLUSH MOUNT, COVER WITH DOOR AND LOCK, 120/208V, 1-PHASE, 3 WIRE, 125A MAIN LUGS, 10K A.I.C., 6 CIRCUIT, TIN PLATED COPPER BUS. PROVIDE WITH 1 – 20A,1P C/B AND 5 – 15A,1P C/B'S.
B	FLUSH MOUNT RED MUSHROOM HEAD EMERGENCY OFF STATION ASCO #173A19. MOUNT AT 60" AFF.
C	6" SQ. X 4" DEEP FLUSH JUNCTION BOX. PROVIDE COVER PLATE WITH 2" DIA. CHASE NIPPLE WITH PLASTIC BUSHING AND LOCKNUT. MOUNT BOX AT 30" AFF.
D	8" SQ. X 4" DEEP FLUSH JUNCTION BOX. PROVIDE COVER PLATE WITH 2 1/2" DIA. CHASE NIPPLE WITH PLASTIC BUSHING AND LOCKNUT. MOUNT BOX AT 12" AFF.
E	10" WIDE X 3 1/2" DEEP FLUSH WALL DUCT VERTICAL RUN FROM FLOOR TO ABOVE FINISHED CEILING FOR CONDUITS CONNECTIONS AND CABLE ACCESS. PROVIDE IN WIREMOLD #WD10W350-60 WITH FLUSH COVER #CP10-F30, END CAPS (2) #WD10W350-ECF, DIVIDERS (2) #WD350-P60, AND ACCESS COVER PLATE WITH 3" X 8" GROMMETED HOLE #WD10-ACPF. LOCATE ACCESS COVER PLATE AT 24" AFF.
F	1" CONDUIT STUB TO ABOVE FINISHED CEILING. TERMINATE WITH NYLON BUSHING.
G	8" SQ. X 4" DEEP FLUSH FLOOR JUNCTION BOX. PROVIDE WITH LIQUID TIGHT COVER PLATE.
H	12" SQ. X 4" DEEP FLUSH CEILING JUNCTION BOX. PROVIDE WITH BLANK COVER PLATE.
N	SQUARE D CLASS 9007, TYPE AO 1-POLE SINGLE THROW EXPOSURE INTERLOCK SWITCH IN HINGE SIDE OF DOOR FRAME. SWITCH SHALL HAVE NORMALLY OPEN CONTACTS RATED FOR 15A AT 120V. SWITCH SHOULD OPEN CONTACTS WHEN DOOR IS OPENED.
W	"X-RAY IN USE" SIGN. SIGNTEX #RPRO-NB-1-R-W-BA-TW-"X-RAY IN USE".

RACEWAY AND WIRING SCHEDULE				
TAG	FROM	TO	CONDUIT	WIRING/REMARKS
1	RCS	A	2 1/2" C.	4 X #300 kcmil XHHW-2 AND 1 X #4 XHHW-2 GND.
2	A	E	2" C.	4 X #1/0 XHHW-2 AND 1 X #6 XHHW-2 GND. TERMINATE CONDUCTORS AT ACCESS COVER PLATE AT ITEM "E" WITH ILSCO CLEAR SPLICE CONNECTORS #SPAR-1/0.
3	2PP1	A1	1 1/4" C.	3 X #2 XHHW-2 AND 1 X #6 XHHW-2 GND.
4	A1	E	1 1/2" C.	NOTE: PROVIDE A SINGLE 1 1/2" C. FROM ITEM "A1" TO ITEM "E". ROUTE CONDUCTORS FROM ITEM "E" TO LOCATIONS INDICATED BELOW.
				3 X #12 AWG. CONNECT TO 15A,1P C/B IN ITEM "A1" AND LEAVE 10' PIGTAILS AT ITEM "C". IDENTIFY C/B AND CONDUCTORS AS WALLSTAND POWER.
				3 X #12 AWG. CONNECT TO 15A,1P C/B IN ITEM "A1" AND LEAVE 10' PIGTAILS AT ITEM "E" ACCESS COVER PLATE. IDENTIFY C/B AND CONDUCTORS AS OTC POWER.
				3 X #12 AWG. CONNECT TO 20A,1P C/B IN ITEM "A1" AND LEAVE 10' PIGTAILS AT ITEM "G". IDENTIFY C/B AND CONDUCTORS AS TABLE POWER.
				3 X #12 AWG. CONNECT TO 15A,1P C/B IN ITEM "A1" AND LEAVE 10' PIGTAILS AT ITEM "E" ACCESS COVER PLATE. IDENTIFY C/B AND CONDUCTORS AS COLLIMATOR POWER.
5	C	E	2" C.	LEAVE PULL STRING.
6	D	E	2 1/2" C.	LEAVE PULL STRING.
7	G	E	2" C.	LEAVE PULL STRING.
8	W	E	3/4" C.	3 X #12 AWG. CONNECT "X-RAY IN USE" WARNING LIGHTS CIRCUIT PER EQUIPMENT SUPPLIER RECOMMENDATIONS AND LEAVE 10' PIGTAILS AT ITEM "E" ACCESS COVER PLATE. IDENTIFY CONDUCTORS AS "X-RAY WARNING SIGNS".
9	A1	B TO A	3/4" C.	3 X #12 AWG. CONNECT TO 15A,1P C/B IN ITEM "A1". RUN TO ITEM "B", AND THEN RUN FROM ITEM "B" TO ITEM "A" SHUNT TRIP COIL. IDENTIFY C/B AS SHUNT TRIP CIRCUIT.
10	H	E	3 – 2 1/2" C.	LEAVE PULL STRING IN EACH CONDUIT.
11	N	E	3/4" C.	2 X #14 AWG. WIRE DOOR SWITCHES IN SERIES AND LEAVE 10' PIGTAILS AT ITEM "E" ACCESS COVER PLATE. IDENTIFY CONDUCTORS AS DOOR INTERLOCK SWITCHES.
12	D	F	1" C.	LEAVE PULL STRING.
PROVIDE ONE #8 AWG GREEN EQUIPMENT GROUND WIRE BETWEEN ALL X-RAY EQUIPMENT. CONSULT WITH THE X-RAY EQUIPMENT REPRESENTATIVE REGARDING CENTRAL GROUND POINT LOCATION.				

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SCALE: NONE

SKETCH NO. SKE-2A

PROJECT TITLE Naugatuck Valley Community College
Founders Hall Renovations for
Allied Health and Nursing

PROJECT NO BI-CTC-442

SKETCH TITLE ROUGHING SCHEDULES

F213 AND F214 POWER REVISIONS

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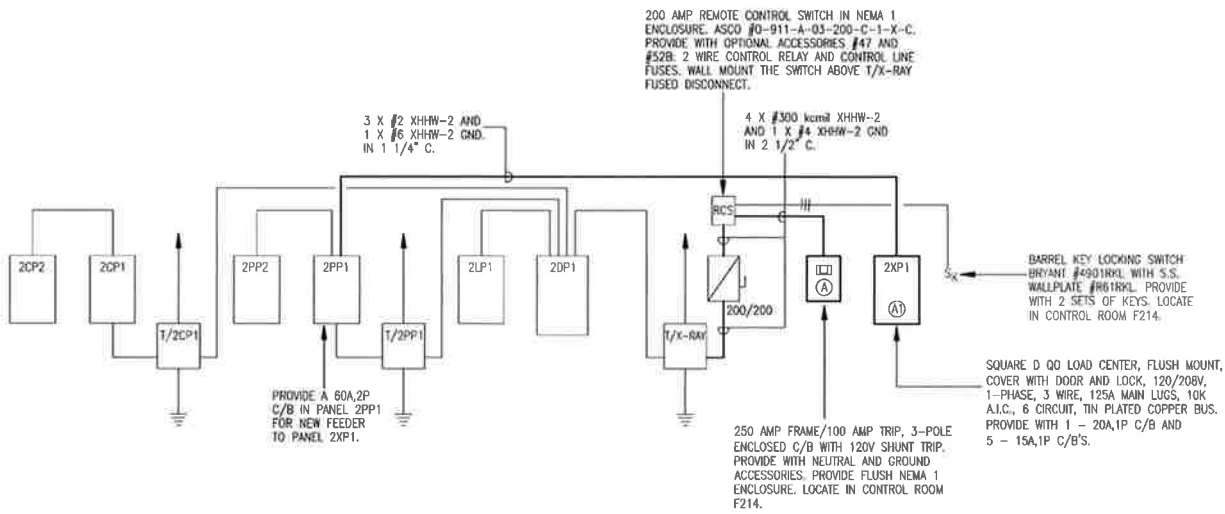

PART POWER RISER DIAGRAM

SCALE: NTS

DATE 5/3/2016

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SCALE: NONE

SKETCH NO. SKE-2B

PROJECT TITLE Naugatuck Valley Community College
Founders Hall Renovations for
Allied Health and Nursing

PROJECT NO BI-CTC-442

SKETCH TITLE PART POWER RISER DIAGRAM
F213 AND F214 POWER REVISIONS

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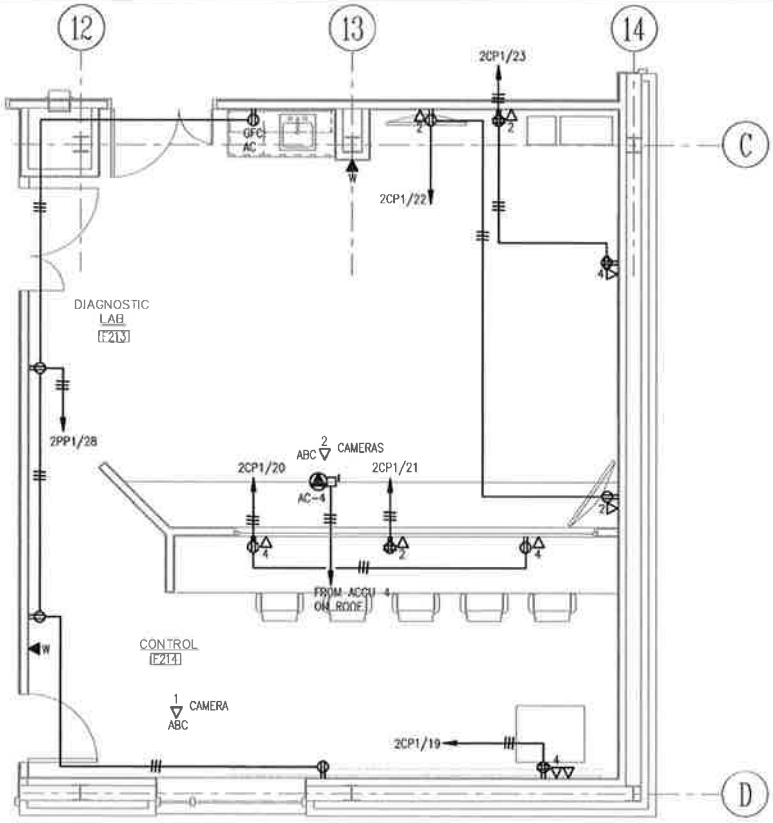

PART PLAN - ROOMS F213 AND F214

SCALE: 1/4"=1'-0"

PROJECT TITLE Naugatuck Valley Community College
Founders Hall Renovations for
Allied Health and Nursing

PROJECT NO BI-CTC-442

SKETCH TITLE SECOND FLOOR POWER PLAN - NORTH
F213 AND F214 POWER REVISIONS

DATE 5/3/2016

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SCALE: AS NOTED

SKETCH NO. SKE-2C

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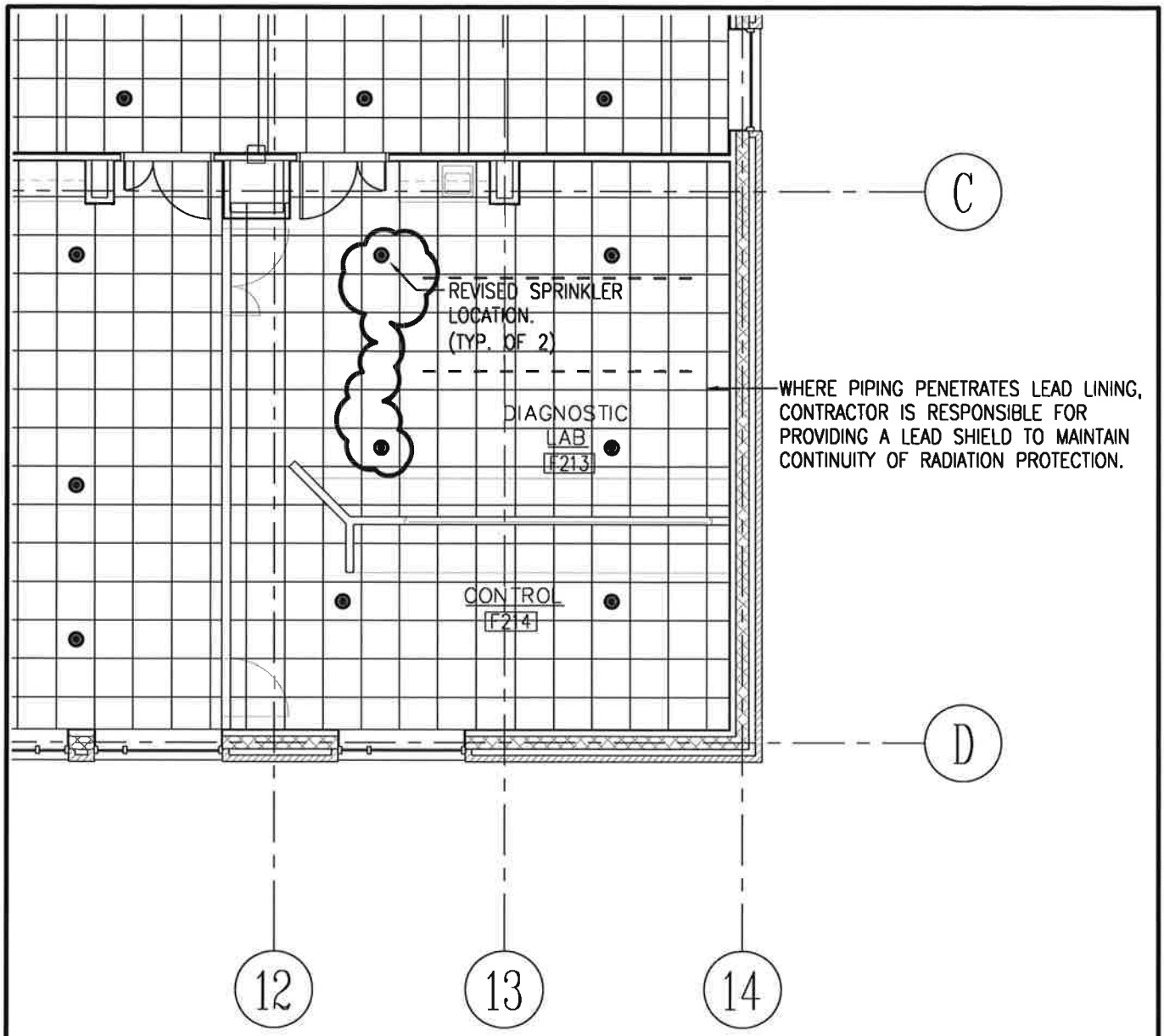
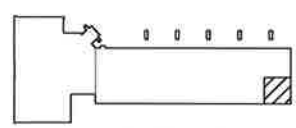


SECOND FLOOR FIRE PROTECTION PART PLAN - NORTH

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



KEY PLAN
N.T.S.

PROJECT
NORTH

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Farmington, CT 06032
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PROJECT TITLE
Naugatuck Valley Community College
Founders Hall Renovations for
Allied Health and Nursing

PROJECT NO BI-CTC-442

SKETCH TITLE
Diagnostic Lab F213-Revised Sprinkler Layout

SECOND FLOOR PLAN - NORTH

DATE 05/06/2016

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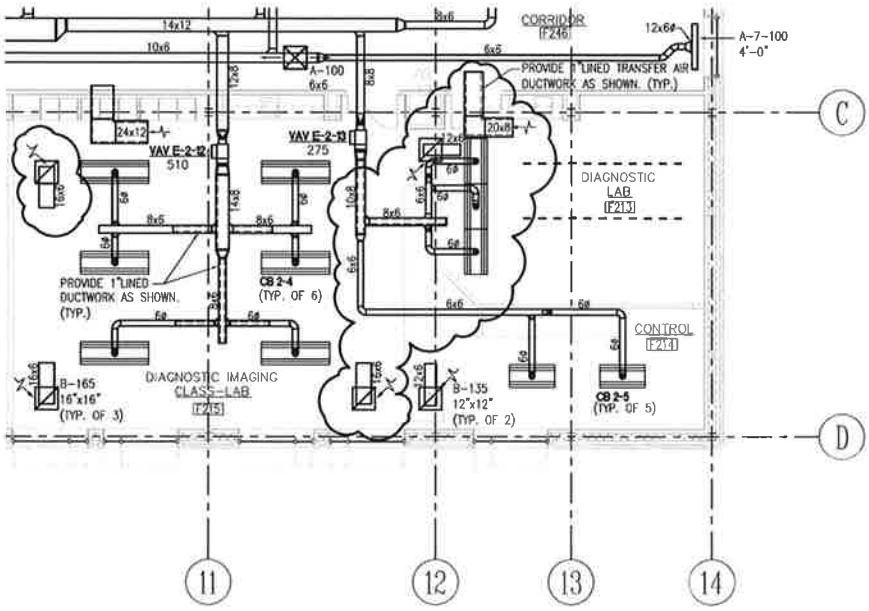
SCALE: 1/8"=1'-0"

SKETCH NO.
SKFP1.2B-1



SECOND FLOOR DUCTWORK PART PLAN - NORTH

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

DATE 05/06/2016

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

SKETCH NO. SKM1.2B-D-2

PROJECT TITLE Naugatuck Valley Community College
Founders Hall Renovations for
Allied Health and Nursing

PROJECT NO BH-CTC-442

SKETCH TITLE Diagnostic Lab F213 - Revised Ductwork

SECOND FLOOR PLAN - NORTH

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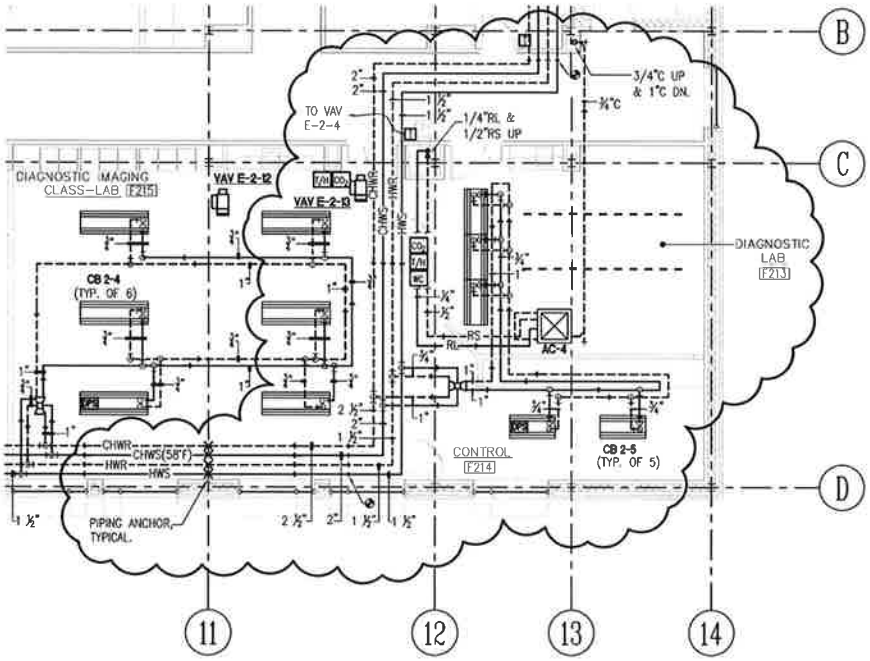
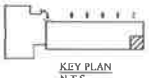


SECOND FLOOR PIPING PART PLAN - NORTH

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



KEY PLAN
N.T.S.

PROJECT NORTH

PROJECT TITLE Naugatuck Valley Community College
Founders Hall Renovations for
Allied Health and Nursing

PROJECT NO BI-CTC-442

SKETCH TITLE Diagnostic Lab F213 - Revised Piping Layout

SECOND FLOOR PLAN - NORTH

DATE 05/06/2016

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

SKETCH NO. SKM1.2B-P-1

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