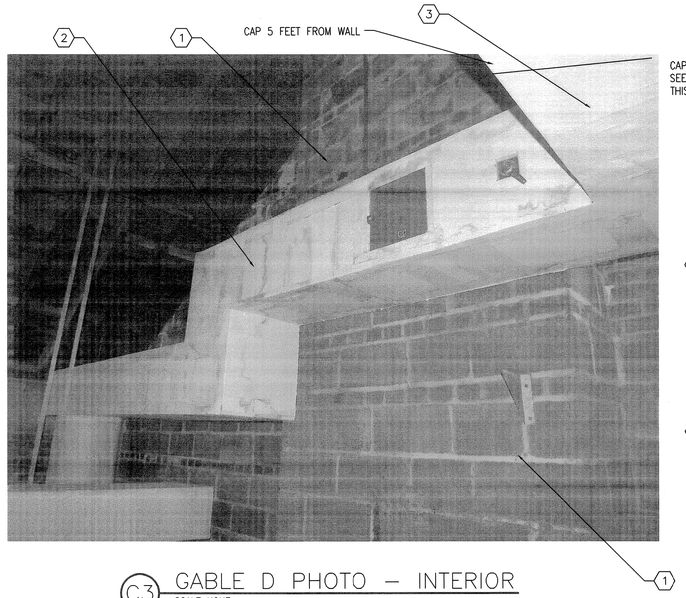
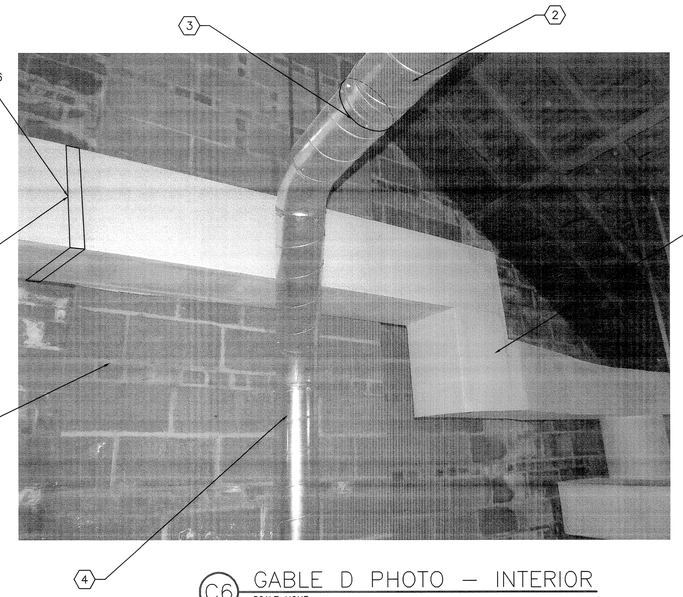
C1 GABLE D PHOTO – INTERIOR
SCALE: NONE



C3 GABLE D PHOTO – INTERIOR
SCALE: NONE



C6 GABLE D PHOTO – INTERIOR
SCALE: NONE

GENERAL SHEET NOTES

A. ALL AIR SYSTEMS SHALL BE TESTED FOR AIRFLOW PRIOR TO AND AFTER CONSTRUCTION OF THE GABLE WALLS. THE CONTRACTOR SHALL PROVIDE A REPORT TO THE COR THAT INCLUDES CFM QUANTITY PRIOR TO AND AFTER CONSTRUCTION.

B. THE CONTRACTOR SHALL HAVE THE PERMISSION OF THE COR IN WRITING PRIOR TO THE SHUTDOWN OF ANY SYSTEM.

C. ANY ADDITIONAL DUCTWORK FOUND BY THE MECHANICAL CONTRACTOR, PREVENTING CONSTRUCTION OF GABLE WALL SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. OBTAIN PERMISSION IN WRITING FROM THE COR TO REROUTE SUCH DUCTWORK TEMPORARILY PRIOR TO BEGINNING WORK.

D. ANY EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

E. THE ISOLATION ROOM SUPPLY AND EXHAUST SYSTEMS SHALL BE DE-ENERGIZED PRIOR TO CONSTRUCTION. OBTAIN PERMISSION FROM THE VAMC CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COR) PRIOR TO DE-ENERGIZING ANY SYSTEM, IN WRITING.

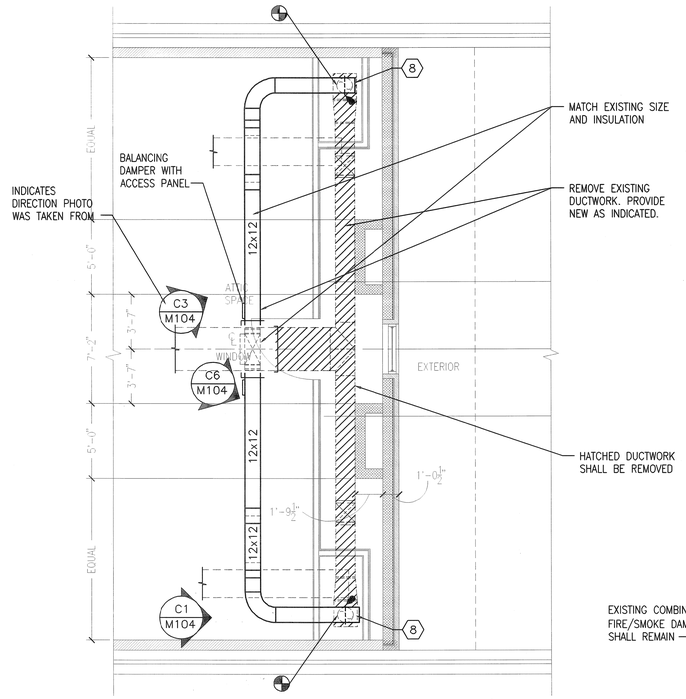
F. THE FOLLOWING APPLIES TO ALL EXISTING ITEMS, WHETHER SPECIFICALLY SHOWN ON THESE DOCUMENTS OR NOT:

DETACH AND SHORE-UP IN-PLACE ALL MECHANICAL, ELECTRICAL, PLUMBING AND OTHER EXISTING ITEMS ATTACHED IN ANY WAY TO EXISTING MASONRY GABLE WALLS. REMOVE AND REUSE BRACKETS, HANGERS AND OTHER EXISTING DEVICES REQUIRED FOR REATTACHMENT OF SUCH ITEMS. DO NOT DISABLE, DISCONNECT OR OTHERWISE DISCONTINUE OR DISRUPT THE USE OF EXISTING MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND OTHER EXISTING ITEMS. UNLESS OTHERWISE NOTED, SUCH ITEMS SHALL REMAIN IN PLACE AND IN FULL OPERATION THROUGHOUT CONSTRUCTION. WHEN SUCH ITEMS ARE LOCATED OUTBOARD OF THE TEMPORARY PARTITION OR ARE OTHERWISE EXPOSED TO WEATHER, EACH SHALL BE COVERED AND PROTECTED FROM DAMAGE AND REMAIN FULLY OPERATION WITHOUT ANY DAMAGE. ALL JOINTS IN ELECTRICAL CONDUIT SHALL BE COVERED WITH WATER-TIGHT WRAP. ALL PENETRATIONS IN CONCRETE FLOORS SHALL BE SEALED WATER-TIGHT. PROVIDE WEATHERPROOF SHEET COVERING FOR EXPOSED AND INSULATED DUCTWORK AND FOR INSULATED PIPING FOR THE TOTAL DURATION OF TIME THAT WORK IS PROCEEDING AT ADJACENT GABLE. REMOVE TEMPORARY PROTECTIVE COVERING AFTER MASONRY WORK IS COMPLETED AND APPROVED AT WORK LOCATION. REMOVE SHORING AND REATTACH MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION EQUIPMENT AND OTHER EXISTING ITEMS TO NEW MASONRY USING EXISTING BRACKETS, HANGERS AND OTHER EXISTING DEVICES. PROVIDE WALL FASTENERS, ANCHOR BOLTS AND CLIPS SHALL BE EQUAL OR GREATER STRENGTH THAN EXISTING TO REATTACH SUCH ITEMS. FINALLY, REMOVE TEMPORARY PARTITION WHEN DIRECTED TO DO SO BY THE COR.

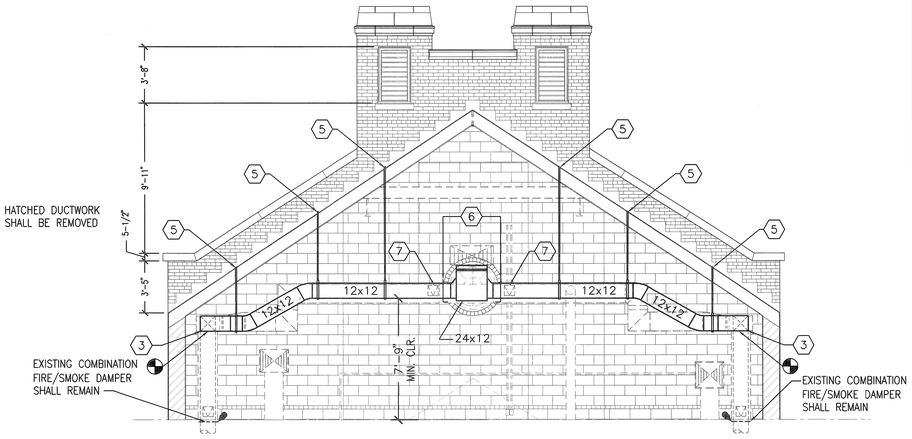
G. REFER TO G1002 FOR PHASING.

SHEET KEYNOTES (F)

1. EXISTING GABLE WALL.
2. EXISTING DUCTWORK TO BE REMOVED. DURING CONSTRUCTION, CAP ENDS AND INSULATE PRIOR TO GABLE WALL CONSTRUCTION TO PREVENT CONSTRUCTION DEBRIS OR OTHER CONTAINMENTS FROM ENTERING THE DUCTWORK. AFTER NEW GABLE WALL CONSTRUCTION,
3. APPROXIMATE POINT OF DISCONNECTION OF DUCTWORK TO ALLOW NEW GABLE WALL CONSTRUCTION.
4. PROVIDE NEW STAINLESS STEEL DUCTWORK, 18 GAUGE DUCTWORK, WITH WELDED SEAMS. DUCTWORK SHALL BE EQUAL IN DIAMETER AND HEIGHT AS THE EXISTING DUCTWORK. REMOVE TEMPORARY SUPPORTS AND SUPPORT FROM NEW WALL WITH 3" WIDE STAINLESS STEEL STRAPS. ANCHOR TO WALL WITH 3/8" X 3" LONG EXPANSION BOLTS FOR MASONRY CONSTRUCTION.
5. PROVIDE ANGLES AND SUPPORT DUCTWORK WITH ALL THREAD RODS AND ANGLE SUPPORTS.
6. PROVIDE NEW BALANCING DAMPERS.
7. PROVIDE ACCESS PANEL.
8. EXISTING DUCTWORK WITH COMBINATION FIRE/SMOKE DAMPER AND ACCESS PANEL TO REMAIN. SEE C1 FOR NEW DUCTWORK CONNECTION POINT.



F3 GABLES D & E MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

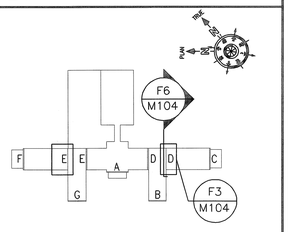


F6 GABLES D & E MECHANICAL INTERIOR SECTION
SCALE: 1/4" = 1'-0"

SHEET LEGEND

XX / XXXX
DETAIL NUMBER OF PHOTO/ELEVATION
SHEET ON WHICH DETAIL APPEARS
INDICATES DIRECTION OF VIEW

KEYPLAN



REVISION NO.	REVISION DESCRIPTION	
Revisions		By Date

Department of Veterans Affairs
Lebanon
VA Medical Center
1700 South Lincoln Avenue
Lebanon, PA 17042

SEAL

Architect/Engineer Address
Harrell, Saltrick & Hopper
Design & Management Solutions for the Built Environment
8016 TOWER POINT DRIVE
CHARLOTTE, NC 28227
P 704.814.1320
F 704.321.0833
WWW.HSHPC.COM
COPYRIGHT © 2013 HARRELL SALTRICK & HOPPER, PC
HSH PROJECT # 11064

Recommended Approvals:	
1. MEDICAL DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COTR

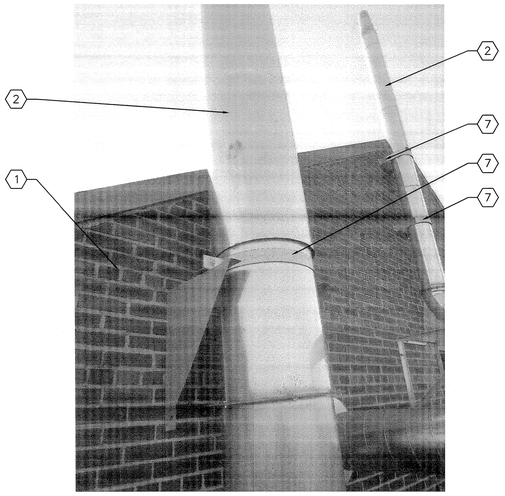
Drawing Title: GABLES D AND E MECHANICAL SECTION, PHOTOS AND NOTES
BID DOCUMENTS

Project Title: FACADE CORRECTIONS BUILDING 1

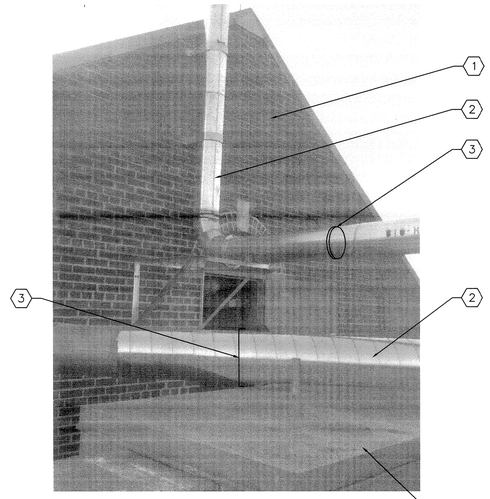
Date: FEBRUARY 28, 2013
Project Number: 595-11-117

Drawn	Building Number	AutoCAD File Name	DRAWING No.
DWS			M104
Checked	Reviewed	Const. Contract No.	DWG OF

Veterans Affairs

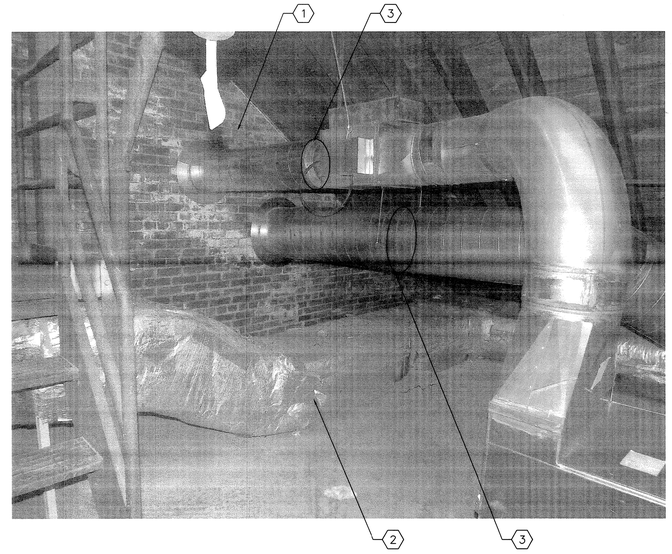


C1 GABLE F PHOTO – EXTERIOR
SCALE: NONE

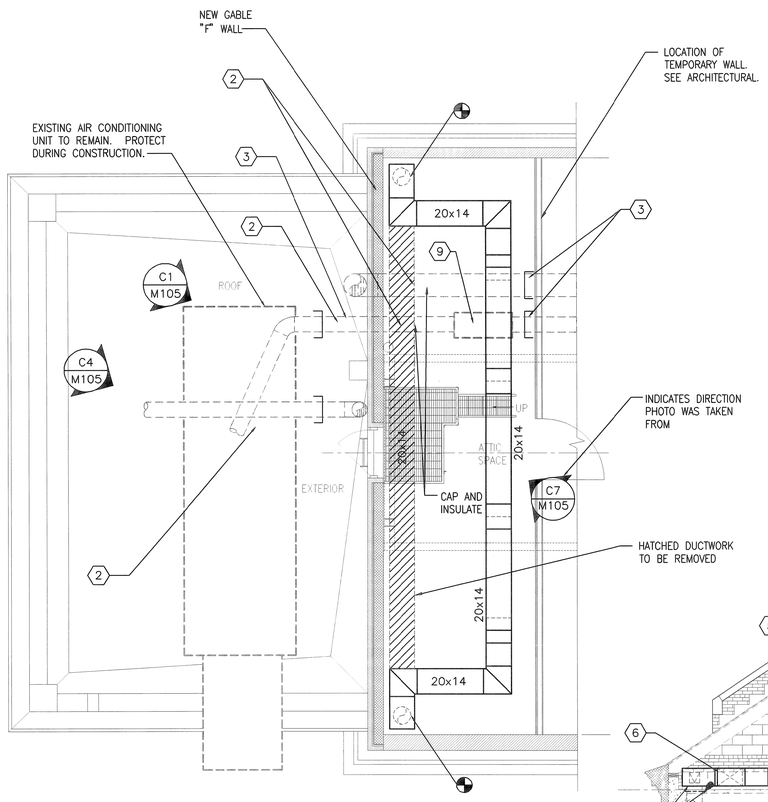


C4 GABLE F PHOTO – EXTERIOR
SCALE: NONE

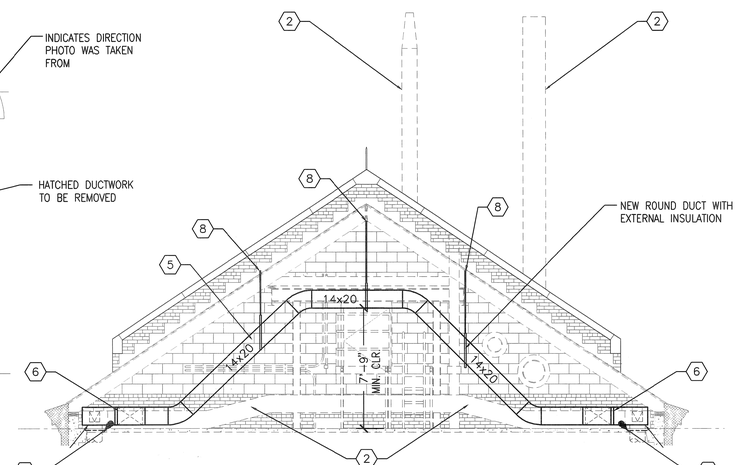
EXISTING AIR CONDITIONING UNIT TO REMAIN. PROTECT DURING CONSTRUCTION.



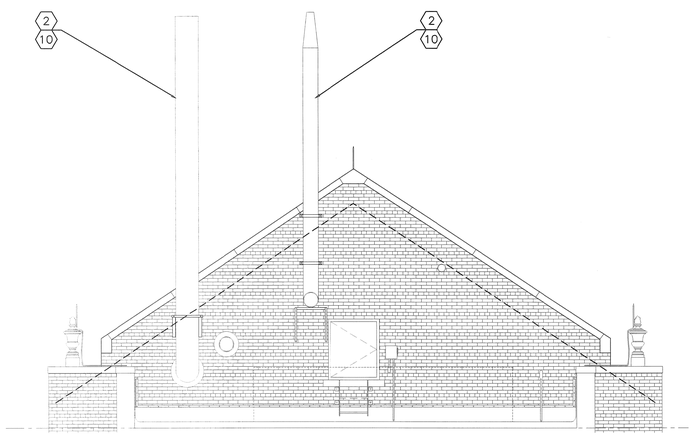
C7 GABLE F PHOTO – INTERIOR
SCALE: NONE



F1 GABLE F MECHANICAL PLAN
SCALE: 1/4" = 1'-0"



F3 GABLE F MECHANICAL INTERIOR SECTION
SCALE: 1/4" = 1'-0"



F6 GABLE F MECHANICAL EXTERIOR SECTION
SCALE: 1/4" = 1'-0"

SHEET KEYNOTES (#)

1. EXISTING GABLE WALL.
2. EXISTING DUCTWORK SHALL BE REMOVED DURING CONSTRUCTION, CAP ENDS AND INSULATE PRIOR TO GABLE WALL CONSTRUCTION TO PREVENT CONSTRUCTION DEBRIS OR OTHER CONTAMINANTS FROM ENTERING THE DUCTWORK. SEE KEYNOTE (5) BELOW. REMOVE TEMPORARY SUPPORTS REQUIRED AND REMOVE AFTER CONSTRUCTION.
3. APPROXIMATE POINT OF DISCONNECTION OF DUCTWORK TO ALLOW NEW GABLE WALL CONSTRUCTION.
4. CONNECT NEW INSULATED DUCTWORK TO ALLOW CONTINUOUS OPERATION OF DUCT SYSTEM.
5. NEW DUCTWORK SHALL HAVE SAME FREE AREA AS EXISTING DUCTWORK INDICATED TO BE REMOVED.
6. PROVIDE 22"ø FROM EXISTING RECTANGULAR DUCTWORK. ROUTE AS REQUIRED TO ALLOW FOR NEW GABLE WALL CONSTRUCTION.
7. EXISTING STRAP HANGER. PROVIDE STRAP HANGERS TO SECURE DUCTWORK STACKS AFTER INSTALLATION OF NEW DUCTWORK STACKS AFTER CONSTRUCTION OF NEW GABLE WALL. SEE ARCHITECTURAL FOR GABLE WALL CONSTRUCTION (TYPICAL FOR ALL WORK).
8. PROVIDE ANGLES AT EXISTING RAFTERS AND SUPPORT DUCTWORK WITH ALL THREAD RODS AND ANGLE SUPPORTS.
9. PROTECT EQUIPMENT DURING CONSTRUCTION.
10. NEW STACKS SHALL HAVE SAME FREE AREA AND HEIGHT AS EXISTING. NEW STACKS SHALL BE 18 GA STAINLESS STEEL AND CAPABLE OF WITHSTANDING A 90 MPH WIND LOAD. ENGINEERING RESPONSIBILITY: MECHANICAL CONTRACTOR SHALL ENGAGE A FABRICATOR WHO ASSUMES UNDIVIDED RESPONSIBILITY FOR ENGINEERING DUCTWORK BY EMPLOYING A QUALIFIED PROFESSIONAL ENGINEER TO PREPARE DESIGN CALCULATIONS, SHOP DRAWINGS, AND OTHER STRUCTURAL DATA, AND WHO IS A REGISTERED PROFESSIONAL IN THE STATE OF PENNSYLVANIA.

GENERAL SHEET NOTES

A. ALL AIR SYSTEMS SHALL BE TESTED FOR AIRFLOW PRIOR TO AND AFTER CONSTRUCTION OF GABLE WALLS. THE CONTRACTOR SHALL PROVIDE A REPORT TO COR THAT INCLUDES CFM QUANTITIES PRIOR TO AND AFTER CONSTRUCTION AND SHALL MATCH PRIOR AIRFLOW QUANTITIES.

B. THE CONTRACTOR SHALL HAVE THE PERMISSION OF THE COR IN WRITING PRIOR TO THE SHUTDOWN OF ANY SYSTEM.

C. ANY ADDITIONAL DUCTWORK FOUND BY THE MECHANICAL CONTRACTOR, PREVENTING CONSTRUCTION OF GABLE WALLS SHALL BE REMOVED AND STORED DURING CONSTRUCTION. END SHALL BE CAPPED AND INSULTED TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING DUCTWORK. OBTAIN PERMISSION IN WRITING FROM THE COR PRIOR TO WORK.PROTECT ALL PIPING AND EQUIPMENT DURING CONSTRUCTION.

D. ANY EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

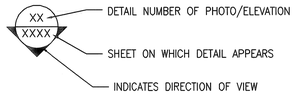
E. THE ISOLATION ROOM SUPPLY AND EXHAUST SYSTEMS SHALL BE DE-ENERGIZED PRIOR TO CONSTRUCTION. OBTAIN PERMISSION FROM THE VAMC CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COR) PRIOR TO DE-ENERGIZING ANY SYSTEM, IN WRITING.

F. THE FOLLOWING APPLIES TO ALL EXISTING ITEMS, WHETHER SPECIFICALLY SHOWN ON THESE DOCUMENTS OR NOT:

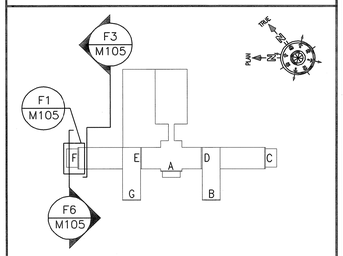
DETACH AND SHORE-UP IN-PLACE ALL MECHANICAL, ELECTRICAL, PLUMBING AND OTHER EXISTING ITEMS ATTACHED IN ANY WAY TO EXISTING MASONRY GABLE WALLS. REMOVE AND REUSE BRACKETS, HANGERS AND OTHER EXISTING DEVICES REQUIRED FOR REATTACHMENT OF SUCH ITEMS. DO NOT DISABLE, DISCONNECT OR OTHERWISE DISCONTINUE OR DISRUPT THE USE OF EXISTING MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND OTHER EXISTING ITEMS. UNLESS OTHERWISE NOTED, SUCH ITEMS SHALL REMAIN IN PLACE AND IN FULL OPERATION THROUGHOUT CONSTRUCTION. WHEN SUCH ITEMS ARE LOCATED OUTBOARD OF THE TEMPORARY PARTITION OR ARE OTHERWISE EXPOSED TO WEATHER, EACH SHALL BE COVERED AND PROTECTED FROM DAMAGE AND REMAIN FULLY OPERATION WITHOUT ANY DAMAGE. ALL JOINTS IN ELECTRICAL CONDUIT SHALL BE COVERED WITH WATER-TIGHT WRAP. ALL PENETRATIONS IN CONCRETE FLOORS SHALL BE SEALED WATER-TIGHT. PROVIDE WEATHERPROOF SHEET COVERING FOR EXPOSED AND INSULATED DUCTWORK AND FOR INSULATED PIPING FOR THE TOTAL DURATION OF TIME THAT WORK IS PROCEEDING AT ADJACENT GABLE. REMOVE TEMPORARY PROTECTIVE COVERING AFTER MASONRY WORK IS COMPLETED AND APPROVED AT WORK LOCATION. REMOVE SHORING AND REATTACH MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION EQUIPMENT AND OTHER EXISTING ITEMS TO NEW MASONRY USING EXISTING BRACKETS, HANGERS AND OTHER EXISTING DEVICES. PROVIDE WALL FASTENERS, ANCHOR BOLTS AND CLIPS SHALL BE EQUAL OR GREATER STRENGTH THAN EXISTING TO REATTACH SUCH ITEMS. FINALLY, REMOVE TEMPORARY PARTITION WHEN DIRECTED TO DO SO BY THE COR.

G. REFER TO G1002 FOR PHASING.

SHEET LEGEND



KEYPLAN



REVISION NO.	REVISION DESCRIPTION	By Date

Revisions

Department of Veterans Affairs
Lebanon
VA Medical Center
1700 South Lincoln Avenue
Lebanon, PA 17042

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ANDREA G. THOMPSON No. 076108 — SEAL

Architect/Engineer Address
Harrell, Saltrick & Hopper
Design & Management Solutions for the Built Environment
8016 TOWER POINT DRIVE, CHARLOTTE, NC 28227
P 704.814.1320 F 704.321.0833
WWW.HSHPC.COM
COPYRIGHT © 2013 HARRELL SALTRICK & HOPPER, PC
HSH PROJECT # 11064

Recommended Approvals:	
1. MEDICAL DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COTR

Drawing Title: GABLE F MECHANICAL PLAN, SECTIONS, PHOTOS AND NOTES

BID DOCUMENTS

Project Title: FACADE CORRECTIONS BUILDING 1

Date: FEBRUARY 28, 2013
Project Number: 595-11-117

Drawn	Building Number	AutoCAD File Name	DRAWING No.
DWS			M105
Checked	Reviewed	Const. Contract No.	DWG OF

Veterans Affairs

GENERAL DEMOLITION NOTES

A. THE ELECTRICAL CONTRACTOR, PRIOR TO BID, SHALL INSPECT THE EXISTING CONDITIONS AT THE JOB SITE AND ACQUAINT HIMSELF WITH THE CONDITIONS THAT WILL AFFECT HIS WORK.

B. ELECTRICAL CONTRACTOR SHALL REMOVE ALL DEVICES, SYSTEMS, AND ASSOCIATED WIRING AND RACEWAY AND RACEWAY SHALL BE REMOVED BACK TO SOURCE OR NEXT ACTIVE DEVICE TO REMAIN, EVEN IF OUTSIDE LIMITS OF CONSTRUCTION. AT ELECTRIC PANELS, REMOVE CONDUCTORS COMPLETELY AND REMOVE CONDUIT BACK TO CEILING SPACE DIRECTLY ABOVE PANEL AND CAP. ABANDONED CIRCUIT BREAKER SHALL BE TURNED OFF AND LABELED AS SPARE. CONTRACTOR TO PREPARE NEWLY TYPED PANELBOARD LEGENDS UPON COMPLETION OF PROJECT. TURN OVER ALL REMOVED COPPER WIRE TO OWNER.

C. EXISTING GENERATORS, DAYTANKS, AUTOMATIC TRANSFER SWITCHES, SWITCHBOARDS, DRY TYPE TRANSFORMERS AND SALVAGED MATERIALS, EQUIPMENT AND CONTROL DEVICES SHALL BE DELIVERED TO THE OWNER AT HIS PROPERTY AND STORED WITHIN THE BUILDING WHERE DIRECTED. ANY REMOVED MATERIALS OR EQUIPMENT WHICH THE OWNER DOES NOT WISH TO KEEP SHALL BE DISPOSED OF BY THE CONTRACTOR, WITHOUT ADDITIONAL COST TO THE OWNER. ALL EQUIPMENT SHALL BE REMOVED IN SUCH A MANNER AS TO ENSURE ITS REUSE BY THE OWNER.

D. CONTRACTOR TO PATCH ALL VOIDS IN WALLS OR FLOORS LEFT OVER FROM THE DEMOLITION PHASE AS REQUIRED. COTR MUST APPROVE METHOD AND TYPE OF PATCHING WORK.

E. THE ELECTRICAL CONTRACTOR SHALL DETERMINE THE EXTENT TO WHICH EXISTING CONDUIT AND THE WIRING WILL HAVE TO BE RE-ROUTED, RELOCATED, OR RECOMMENDED, AND THE AMOUNT OF ADDITIONAL WORK WHICH MAY BE REQUIRED DUE TO THE PHYSICAL CONDITIONS OF THE CONDUIT AND WIRING SHALL BE PERFORMED UNDER THIS CONTRACT WITHOUT ADDITIONAL CHARGES TO THE OWNER.

F. INTERRUPTION OF EXISTING FACILITIES OR SERVICES SHALL BE KEPT TO A MINIMUM AND THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND LABOR REQUIRED WHENEVER TEMPORARY CONDITIONS ARE NECESSARY TO MAINTAIN CONTINUITY OF SERVICE. INTERRUPTION OF SERVICES, THE INSTALLATION OF TEMPORARY FACILITIES, AND THE WORK OF MAKING FINAL CONNECTIONS TO NEW WORK SHALL BE DONE ONLY AT SUCH TIMES AS PERMITTED AND AND SCHEDULED BY THE OWNER WITHOUT ADDITIONAL COST. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE SERVICE INTERRUPTIONS WITH THE OWNER AND GENERAL CONTRACTOR.

GENERAL NOTES:

A. THE CONTRACTOR BEARS A PRIME RESPONSIBILITY TO COMPLY WITH THE NATIONAL ELECTRICAL CODE EVEN WHEN THE PLANS OR SPECIFICATIONS DENOTE AN APPARENT VIOLATION. THIS SHOULD BE CAREFULLY AND CONTINUOUSLY, PARTICULARLY DURING ESTIMATING FOR PROPOSAL, AND ANY DISCREPANCIES OBSERVED SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.

B. THE ELECTRICAL CONTRACTOR SHALL MAINTAIN, ON THE SITE, AN ADEQUATE ADMINISTRATIVE SPACE WHERE ONE COMPLETE SET OF PLANS AND SPECIFICATIONS SHALL BE KEPT FOR THE WORK OF ALL TRADES ON THE PROJECT. THESE PLANS AND SPECIFICATIONS SHALL BE IN ADDITION TO THE SETS USED BY THE INSTALLING ELECTRICIAN IN CARRYING OUT THEIR DAY-TO-DAY WORK ON THE PROJECT. THE PROJECTED LOCATION OF EVERY OUTLET. RACEWAY, OR ITEM OF EQUIPMENT TO BE INSTALLED UNDER THIS CONTRACT SHALL BE CHECKED AGAINST THE PLANS AND SPECIFICATIONS OF ALL THE OTHER TRADES AS WELL AS BY DAILY CONFERENCE WITH WORKMEN AND SUPERVISORS OF ALL OTHER TRADES TO THE EXTENT THAT ANY CONFLICTS OR UNCERTAINTIES ABOUT LOCATIONS ARE RESOLVED BEFORE WORK IS INSTALLED, PARTICULARLY WITH REGARD TO THE INTERACTION OF LIGHTING FIXTURES, AIR HANDLING OPENINGS, ACCESS DOORS, SPRINKLER HEADS, ETC.. CEILING CONSTRUCTION INSTALLATION SHALL BE MADE IN ACCORD WITH REFLECTED CEILING PLANS AND/OR INSTRUCTIONS BY THE ENGINEER'S REPRESENTATIVES ON THE SITE. MOVING OF ITEMS FROM LOCATIONS SHOWN, REROUTING, OR CHANGES TO ACCOMPLISH ANY WORK AS SHOWN ON PLANS OR SPECIFICATIONS IN ORDER TO ACCOMPLISH THIS COORDINATION SHALL NOT BE CAUSE FOR CLAIM FOR ADDITIONAL COMPENSATION FOR THE WORK. PARTICULAR CARE SHALL BE TAKEN TO LOCATE BOXES SO THEY ARE NOT BACK-TO-BACK IN WALLS AND TO LOCATE OUTLETS OFF COLUMNS (UNLESS VITAL THEY BE THERE) OR OTHER PLACES WHERE THEY CONFLICT WITH STRUCTURAL STEEL OR REINFORCING BARS.

C. CONTRACTOR SHALL ALSO MAINTAIN AT THE SITE A COMPLETE SET OF ALL SHOP DRAWINGS, EQUIPMENT CUTS, MANUFACTURER'S WIRING DIAGRAMS AND INSTALLATION DATA. INSTALLING PERSONNEL SHALL STUDY THIS DATA BEFORE AND DURING INSTALLATION AND ROUGH-IN SO AS TO PREPARE FOR THE PROPER FIT AND FUNCTION UPON COMPLETION.

D. COMPLETE AND ADEQUATE HOUSING SHALL BE PROVIDED ON THE SITE FOR ORDERLY AND CAREFUL STORAGE OF ALL MATERIALS AND EQUIPMENT. NOTHING SHALL BE STORED WHERE EXPOSED TO WEATHER EXCEPT CONDUIT, WHICH MAY BE STORED IN RACKS SO IT IS AT LEAST 12 INCHES ABOVE GROUND AND NOT SUBJECT TO MUD BEING SPATTERED ON IT.

E. ATTENTION IS DIRECTED SPECIFICALLY TO SPECIFICATION SECTIONS REQUIRING CONTINUOUS QUALITY CONTROL TESTING.

F. IN GENERAL, MOUNTING HEIGHTS OF DEVICES ARE NOT NOTED ON THE CONSTRUCTION DOCUMENTS. SCHEDULES AND NOTES SPECIFY "STANDARD" MOUNTING HEIGHTS FOR THESE ITEMS (SEE SPECS). STUDY CAREFULLY ELEVATIONS OF ALL WALLS AND CABINET WORK AS SHOWN ON ARCHITECTURAL DRAWINGS AND FIT OUTLETS TO SPACE AND TO AVOID CONFLICTS. OUTLETS SHALL ALWAYS BE LOCATED ABOVE, AND NOT IN, BACKSPLASHES. COORDINATE OUTLET LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS. ANY CONFLICT THAT CANNOT BE RESOLVED ON THE JOB SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER PRIOR TO ROUGH-IN.

G. SEE SPECIFICATIONS FOR VOLTAGE DROP GUIDELINES.

H. ALL RACEWAYS SHALL BE METAL UNLESS SPECIFICALLY NOTED OR APPROVED OTHERWISE. REFER TO SPECIFICATIONS FOR ALL OTHERS.

I. NO MORE THAN ONE EXTENSION RING WILL BE ALLOWED PER JUNCTION BOX. EXISTING JUNCTION BOXES BEING REUSED SHALL COMPLY.

J. CONTRACTOR SHALL TEST ALL "LIFE SAFETY" EQUIPMENT AND SYSTEMS FOR PROPER FUNCTION AND OPERATION. UPON SUCCESSFUL COMPLETION OF TESTS, CONFIRMATION SHALL BE SENT TO THE ENGINEER OF RECORD, STATING THE TESTS PERFORMED, THE RESULTS, AND THE DATE TESTS WERE SUCCESSFULLY COMPLETE. "LIFE SAFETY" EQUIPMENT AND SYSTEMS CONSIST OF THOSE AS SPECIFIED IN NFPA 101 AND NFPA 99.

K. EXISTING PORTIONS OF THIS FACILITY ARE TO REMAIN IN OPERATION DURING THIS CONSTRUCTION. CONTRACTOR SHALL COOPERATE FULLY WITH THE ADMINISTRATION IN ORDER TO CAUSE AS LITTLE DISRUPTION AS POSSIBLE TO THE FUNCTIONING OF THE FACILITY, AND TO MAINTAIN THE COMFORT AND SAFETY OF ALL PERSONNEL AND STAFF.

L. PENETRATIONS OF REQUIRED SMOKE TIGHT PARTITIONS SHALL BE SEALED USING U.L. LISTED METHODS. COORDINATION WITH THE OWNER AND ENGINEER SHALL BE MAINTAINED TO INSURE THAT THIS SMOKE STOPPING IS ACCOMPLISHED.

M. WHERE PENETRATIONS ARE MADE THROUGH A REQUIRED FIRE-RESISTIVE WALL, FLOOR, OR PARTITION FOR THE PURPOSE OF RUNNING RACEWAY CARRYING ELECTRICAL, TELEPHONE, TELEVISION, OR LOCAL COMMUNICATION AND/OR SIGNALING CIRCUITS, THE OPENING AROUND THE RACEWAY SHALL BE FIRE STOPPED PER THE STATE BUILDING CODE. COORDINATION WITH THE OWNER AND ENGINEER SHALL BE MAINTAINED TO INSURE THAT THIS FIRE STOPPING IS ACCOMPLISHED. USE ONLY APPROVED ASSEMBLIES SUCH AS THE FOLLOWING:

CONDUIT PENETRATIONS OF 1 & 2 HOUR GYPBOARD WALLS – U.L.#WL1001
CONDUIT PENETRATIONS OF 1 & 2 HOUR CONCRETE OR BLOCK WALLS – U.L.#CAJ1001
CONDUIT PENETRATIONS OF 1 & 2 HOUR CONCRETE FLOORS – U.L.#CAJ1001

N. IN REQUIRED FIRE RATED WALLS AND PARTITIONS, OPENINGS FOR INSTALLATION OF BOXES THAT ARE GREATER THAN 16 SQUARE INCHES SHALL BE PROTECTED AS REQUIRED BY U.L. COORDINATE CLOSELY WITH THE OWNER AND ENGINEER TO INSURE THE INTEGRITY OF THE U.L. RATING IS MAINTAINED. BOXES OF 16 SQUARE INCHES OR LESS SHALL BE INSTALLED IN ACCORDANCE WITH U.L. "FIRE RESISTANCE RATINGS – ANSI/UL263 (BXUV) FOR WALL AND PARTITION ASSEMBLIES.

O. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED.

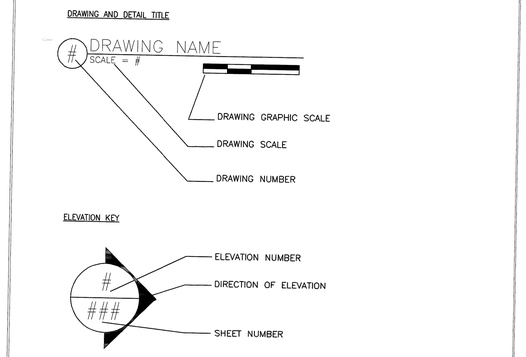
P. ATTENTION IS DIRECTED TO SPECIFICATION SECTION 26 05 33 FOR CONDUITS PASSING OVER BUILDING EXPANSION JOINTS.

Q. PROVIDE CADDY TYPE METALLIC BOX SUPPORTS, (RBS OR SGB STYLE) BETWEEN TWO METAL STUDS FOR SUPPORTING ELECTRICAL BOXES RIGIDLY ON BOTH SIDES, IN LIEU OF SECURING BOX ONLY ON ONE SIDE WITH RIGHT ANGLE TYPE SUPPORT. EQUIVALENTS WITH LIKE FEATURES ACCEPTABLE.

R. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL PENETRATIONS THROUGH RATED BARRIERS MUST BE FILLED WITH A UL LISTED FIRE STOPPING ASSEMBLY.

S. SEE DRAWING GI002 FOR PHASING INFORMATION.

GRAPHIC SYMBOL LEGEND



REVISION NO.	REVISION DESCRIPTION	
Revisions		By Date

Department of Veterans Affairs
Lebanon
VA Medical Center
1700 South Lincoln Avenue
Lebanon, PA 17042

SEAL

Architect/Engineer Address
Harrell, Saltrick & Hopper
Design & Management Solutions for the Built Environment
8016 TOWER POINT DRIVE
CHARLOTTE, NC 28227
P 704.814.1320
F 704.321.0833
WWW.HSHPC.COM
COPYRIGHT © 2013 HARRELL SALTRICK & HOPPER, PC
HSH PROJECT # 11064

Recommended Approvals:	
1. MEDICAL DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COTR

Drawing Title: ELECTRICAL COVER SHEET

BID DOCUMENTS

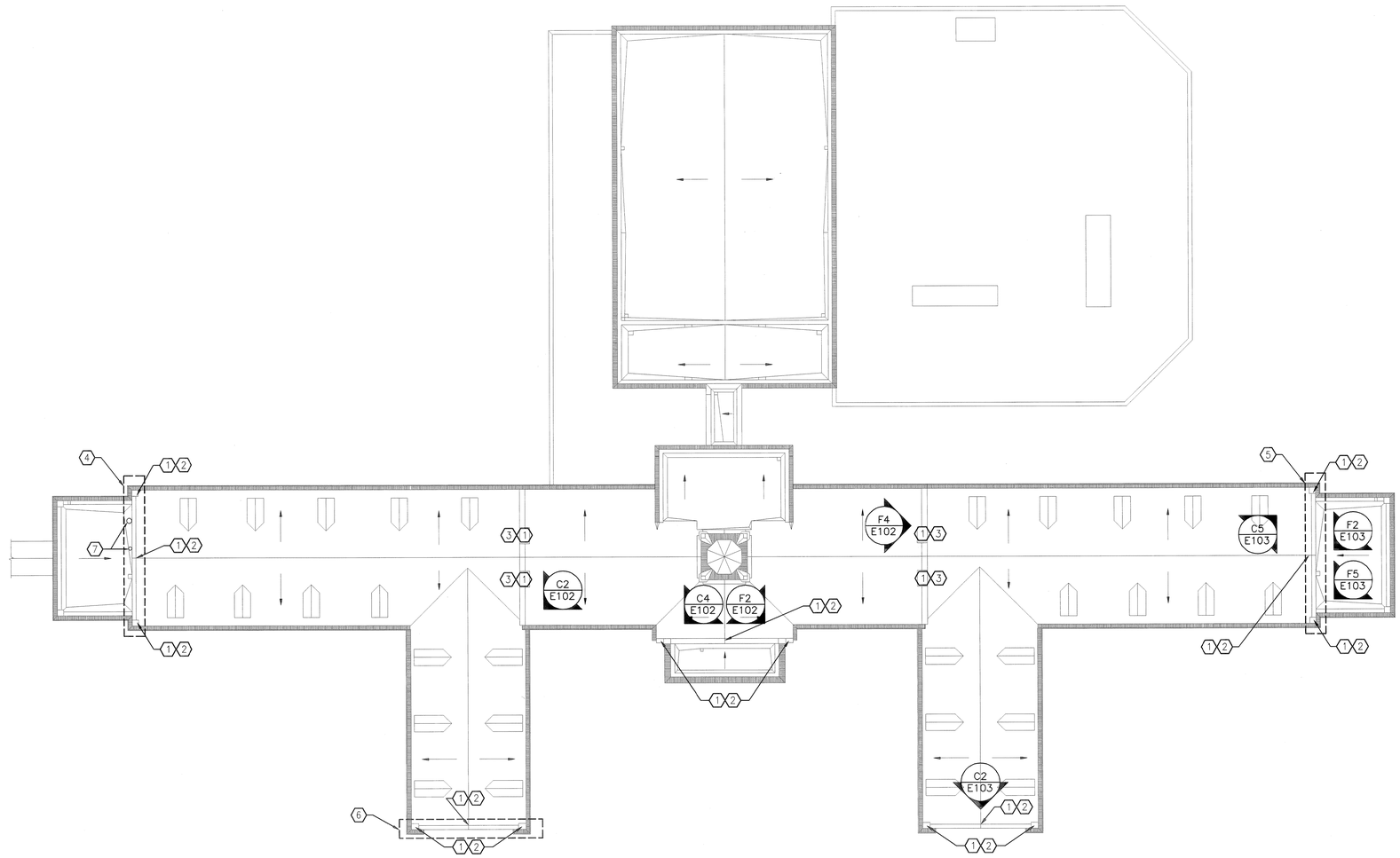
Project Title: FACADE CORRECTIONS BUILDING 1

Date: FEBRUARY 28, 2013
Project Number: 595-11-117

Drawn	Building Number	AutoCAD File Name
WAO		
Checked	Reviewed	Const. Contract No.
DCJ		

DRAWING No. E001
DWG OF

Veterans Affairs



E2 ROOF PLAN – ELECTRICAL
SCALE: 1/16" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

1. RELOCATE AIR TERMINAL DURING GABLE CONSTRUCTION. EXTEND ALL ASSOCIATED CONDUCTORS TO TEMPORARY LOCATION. IT IS INCUMBENT ON THE CONTRACTOR TO MAINTAIN THE EXISTING INTEGRITY OF THE FACILITY LIGHTNING PROTECTION SCHEME DURING GABLE CONSTRUCTION.

2. UPON CONSTRUCTION OF NEW COPING, CONTRACTOR TO INSTALL NEW AIR TERMINAL IN SIMILAR FASHION TO INSTALLATION OF EXISTING AIR TERMINAL. CONTRACTOR TO CONNECT NEW AIR TERMINAL TO EXISTING LIGHTNING PROTECTION CONDUCTORS. CONTRACTOR SHALL TEST NEW AIR TERMINAL CONNECTIONS TO ENSURE INSTALLATION OF A FULLY OPERATIONAL LIGHTNING PROTECTION SYSTEM.

3. UPON CONSTRUCTION OF NEW GABLE WALL, CONTRACTOR TO INSTALL NEW AIR TERMINAL IN SIMILAR FASHION TO INSTALLATION OF EXISTING AIR TERMINAL. CONTRACTOR TO CONNECT NEW AIR TERMINAL TO EXISTING LIGHTNING PROTECTION CONDUCTORS. CONTRACTOR SHALL TEST NEW AIR TERMINAL CONNECTIONS TO ENSURE INSTALLATION OF A FULLY OPERATIONAL LIGHTNING PROTECTION SYSTEM.

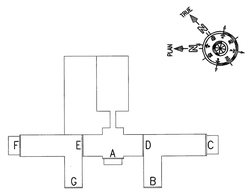
4. WORK AT GABLE "F" SHALL BE TYPICAL TO WORK AT GABLE "C".

5. WORK AT GABLE "C" SHALL BE A DEDUCTIVE ALTERNATE.

6. WORK AT GABLE "G" SHALL BE TYPICAL TO WORK AT GABLE "B".

7. PROVIDE NEW AIR TERMINAL AT TOP OF MECHANICAL STACK. PROVIDE NEW LIGHTNING PROTECTION CONDUCTORS TO NEAREST CONNECTION POINT IN EXISTING LIGHTNING PROTECTION SYSTEM AND CONNECT COMPLETE.

KEYPLAN



REVISION NO.	REVISION DESCRIPTION	
Revisions		By Date

Department of Veterans Affairs
Lebanon
VA Medical Center
1700 South Lincoln Avenue
Lebanon, PA 17042

COMMONWEALTH OF PENNSYLVANIA
JOHN G. ROSS
ENGINEER
03/28/2013
SEAL

Architect/Engineer Address
Harrell, Saltrick & Hopper
Design & Management Solutions for the Built Environment
8016 TOWER POINT DRIVE
CHARLOTTE, NC 28227
P 704.814.1320
F 704.321.0833
WWW.HSHPC.COM
COPYRIGHT © 2013 HARRELL SALTRICK & HOPPER, PC
HSH PROJECT # 11064

Recommended Approvals:	
1. MEDICAL DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COTR

Drawing Title
BUILDING 1
ROOF PLAN -
ELECTRICAL

BID
DOCUMENTS

Project Title
FACADE CORRECTIONS
BUILDING 1

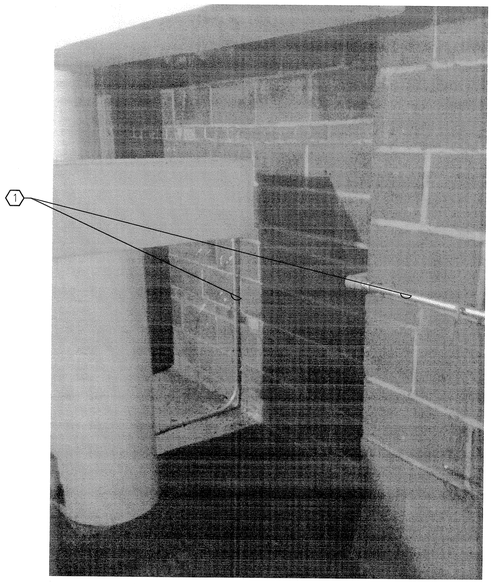
Date
FEBRUARY 28, 2013

Project Number
595-11-117

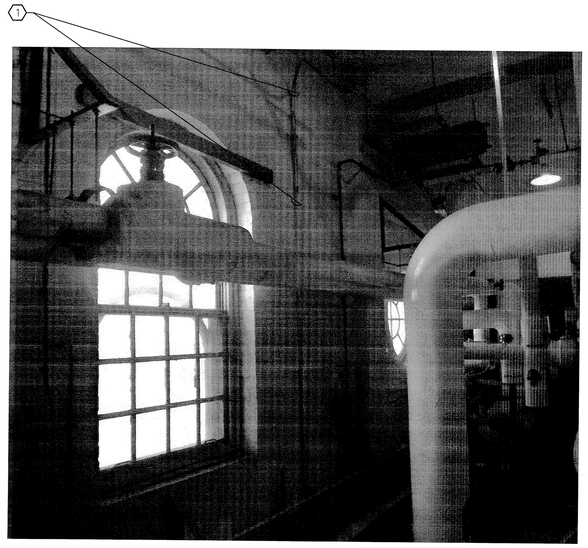
Drawn	Building Number	AutoCAD File Name
WAO		
Checked	Reviewed	Const. Contract No.
DCJ		

DRAWING No.
E101
DWG OF

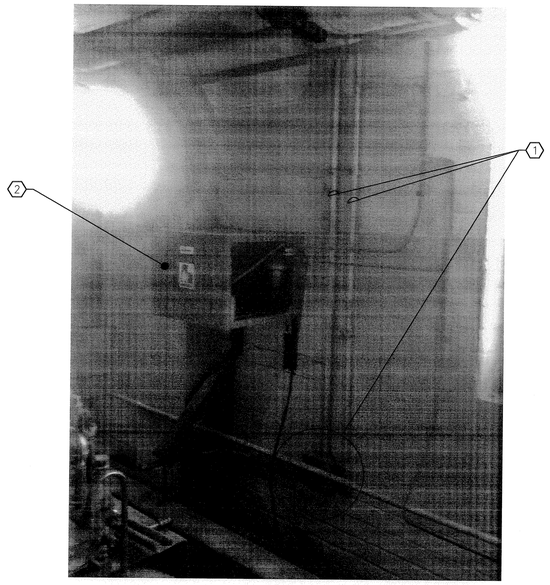
Veterans Affairs



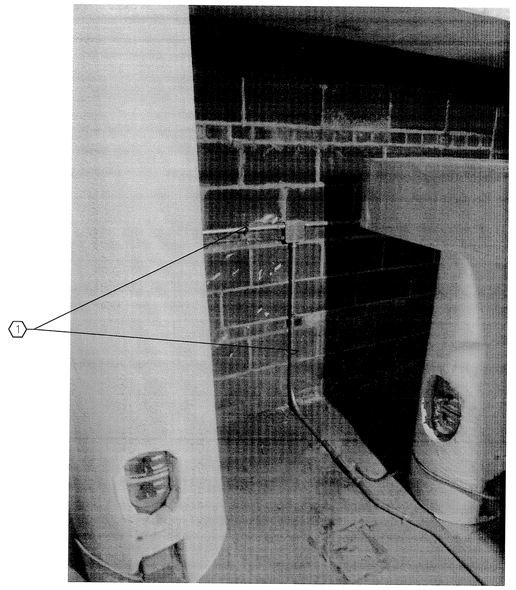
C2 ELEVATION PHOTO DETAIL
SCALE: NONE



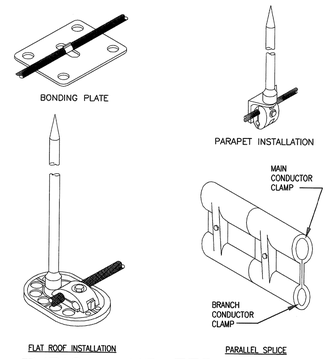
C4 ELEVATION PHOTO DETAIL
SCALE: NONE



F2 ELEVATION PHOTO DETAIL
SCALE: NONE



F4 ELEVATION PHOTO DETAIL
SCALE: NONE



F7 TYPICAL AIR TERMINAL GROUNDING DETAIL
SCALE: NONE

GENERAL SHEET NOTES

THE FOLLOWING APPLIES TO EXISTING ITEMS WHETHER SPECIFICALLY SHOWN IN THESE DOCUMENTS OR NOT:

A. DETACH AND SHORE-UP IN-PLACE ALL MECHANICAL, ELECTRICAL, PLUMBING AND OTHER EXISTING ITEMS ATTACHED IN ANY WAY TO EXISTING MASONRY GABLE WALLS. REMOVE AND REUSE BRACKETS, HANGERS AND OTHER EXISTING DEVICES REQUIRED FOR REATTACHMENT OF SUCH ITEMS. DO NOT DISABLE, DISCONNECT OR OTHERWISE DISCONTINUE OR DISRUPT THE USE OF EXISTING MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND OTHER EXISTING ITEMS. UNLESS OTHERWISE NOTED, SUCH ITEMS SHALL REMAIN IN PLACE AND IN FULL OPERATION. WHEN SUCH ITEMS ARE LOCATED OUTBOARD OF TEMPORARY PARTITION, AND BECAUSE SUCH ITEMS ARE OTHERWISE EXPOSED TO WEATHER, EACH SHALL BE COVERED AND PROTECTED FROM DAMAGE AND REMAIN FULLY OPERATION WITHOUT ANY DAMAGE. ALL JOINTS IN ELECTRICAL CONDUIT SHALL BE COVERED WITH WATER-TIGHT WRAP. ALL PENETRATIONS IN CONCRETE FLOORS SHALL BE SEALED WATER-TIGHT. PROVIDE WEATHER-PROOF SHEET COVERING FOR EXPOSED AND INSULATED DUCTWORK AND FOR INSULATED PIPING FOR THE TOTAL DURATION OF TIME THAT WORK IS PROCEEDING AT ADJACENT GABLE. REMOVE TEMPORARY PROTECTIVE COVERING AFTER MASONRY WORK IS COMPLETED AT WORK LOCATION. REMOVE SHORING AND REATTACH MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION EQUIPMENT AND OTHER EXISTING ITEMS TO NEW MASONRY USING EXISTING BRACKETS, HANGERS AND OTHER EXISTING DEVICES. PROVIDE WALL FASTENERS, ANCHOR BOLTS AND CLIPS TO BE OF EQUAL OR GREATER STRENGTH THAN EXISTING TO REATTACH SUCH ITEMS. FINALLY, REMOVE TEMPORARY PARTITION WHEN DIRECTED TO DO SO BY THE COTR.

B. ALL CONDUITS RECEPTACLES, ETC. THAT DURING GABLE CONSTRUCTION ARE EXPOSED TO OUTSIDE SHALL BE PROTECTED FROM WATER AND WIND DAMAGE. WRAP/SEAL ALL CONDUITS JOINTS, BOXES, RECEPTACLES THROUGHOUT DURATION OF GABLE DEMOLITION AND CONSTRUCTION.

SHEET KEYNOTES (#)

1. REMOVE RACEWAY SUPPORTS AND RESUPPORT ALL RACEWAY AND ASSOCIATED BOXES DURING WALL DEMOLITION AND NEW WALL CONSTRUCTION. TEMPORARY SUPPORT SHALL CONSIST OF SLOTTED METAL CHANNELS, FASTENERS, ETC. UPON COMPLETION OF WALL CONSTRUCTION, SUPPORT EXISTING RACEWAYS AND BOXES FROM NEW WALL. EXISTING CIRCUITS SHALL REMAIN ENERGIZED THROUGHOUT CONSTRUCTION. (TYPICAL FOR ALL ELECTRICAL EQUIPMENT ON WALLS TO BE RENOVATED).

2. DEMOLISH EXISTING RECEPTACLE SERVING AIR COMPRESSOR DRYER AND REMOVE ALL ASSOCIATED CONDUCTORS AND RACEWAY BACK TO BEYOND LIMIT OF WALL DEMOLITION. INSTALL NEW DUPLEX RECEPTACLE AT NEW LOCATION OF AIR COMPRESSOR DRYER AND EXTEND EXISTING CIRCUIT (WITH NEW CONDUCTORS AND RACEWAY TO MATCH EXISTING) TO NEW RECEPTACLE. COORDINATE WITH MECHANICAL CONTRACTOR FOR NEW LOCATION OF AIR COMPRESSOR DRYER.

REVISION NO.	REVISION DESCRIPTION	
Revisions		By Date

Department of Veterans Affairs
Lebanon
VA Medical Center
1700 South Lincoln Avenue
Lebanon, PA 17042

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
JOHN S. ROSS
02/28/2013
SEAL

Architect/Engineer Address
Harrell, Saltrick & Hopper
Design & Management Solutions for the Built Environment
8016 TOWER POINT DRIVE
CHARLOTTE, NC 28227
P 704.814.1320
F 704.321.0833
WWW.HSHPC.COM
COPYRIGHT © 2013 HARRELL SALTRICK & HOPPER, PC
HSH PROJECT # 11064

Recommended Approvals:	
1. MEDICAL DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COTR

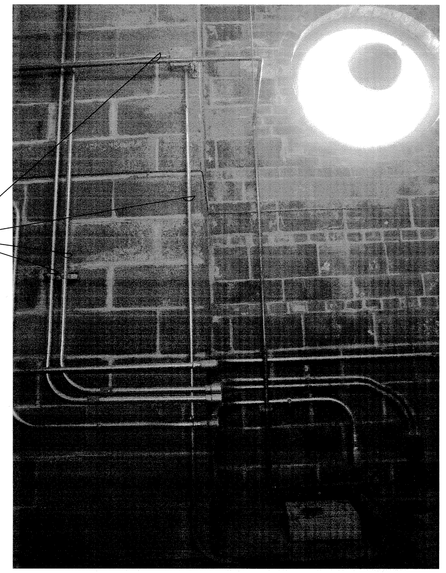
Drawing Title: ELECTRICAL GABLE DETAILS
BID DOCUMENTS

Project Title: FACADE CORRECTIONS BUILDING 1

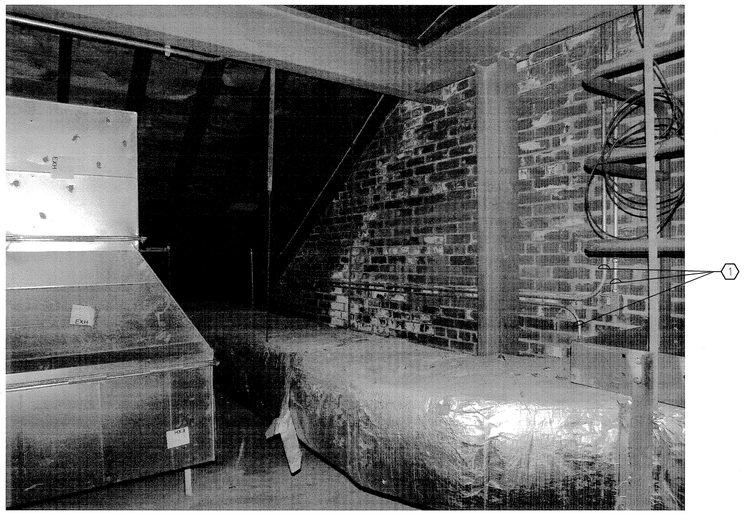
Date: FEBRUARY 28, 2013
Project Number: 595-11-117

Drawn	Building Number	AutoCAD File Name	DRAWING No.
WAO			E102
Checked	Reviewed	Const. Contract No.	DWG OF

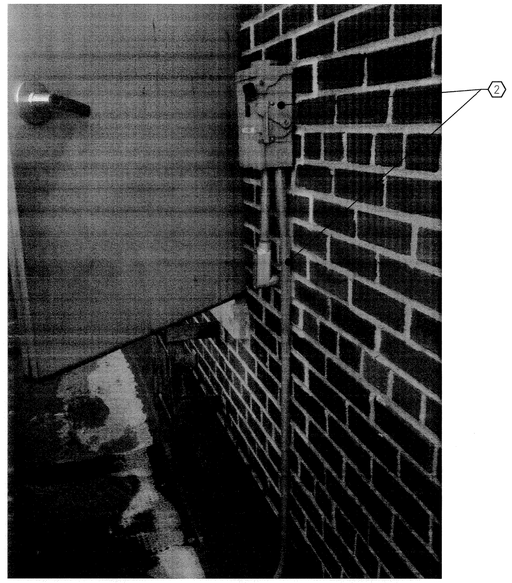
Veterans Affairs



C2 ELEVATION PHOTO DETAIL
SCALE: NONE



C5 ELEVATION PHOTO DETAIL
SCALE: NONE



F2 ELEVATION PHOTO DETAIL
SCALE: NONE

F5 ELEVATION PHOTO DETAIL
SCALE: NONE

GENERAL SHEET NOTES

THE FOLLOWING APPLIES TO EXISTING ITEMS WHETHER SPECIFICALLY SHOWN IN THESE DOCUMENTS OR NOT:

A. DETACH AND SHORE-UP IN-PLACE ALL MECHANICAL, ELECTRICAL, PLUMBING AND OTHER EXISTING ITEMS ATTACHED IN ANY WAY TO EXISTING MASONRY GABLE WALLS. REMOVE AND REUSE BRACKETS, HANGERS AND OTHER EXISTING DEVICES REQUIRED FOR REATTACHMENT OF SUCH ITEMS. DO NOT DISABLE, DISCONNECT OR OTHERWISE DISCONTINUE OR DISRUPT THE USE OF EXISTING MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND OTHER EXISTING ITEMS. UNLESS OTHERWISE NOTED, SUCH ITEMS SHALL REMAIN IN PLACE AND IN FULL OPERATION. WHEN SUCH ITEMS ARE LOCATED OUTBOARD OF TEMPORARY PARTITION, AND BECAUSE SUCH ITEMS ARE OTHERWISE EXPOSED TO WEATHER, EACH SHALL BE COVERED AND PROTECTED FROM DAMAGE AND REMAIN FULLY OPERATION WITHOUT ANY DAMAGE. ALL JOINTS IN ELECTRICAL CONDUIT SHALL BE COVERED WITH WATER-TIGHT WRAP. ALL PENETRATIONS IN CONCRETE FLOORS SHALL BE SEALED WATER-TIGHT. PROVIDE WEATHER-PROOF SHEET COVERING FOR EXPOSED AND INSULATED DUCTWORK AND FOR INSULATED PIPING FOR THE TOTAL DURATION OF TIME THAT WORK IS PROCEEDING AT ADJACENT GABLE. REMOVE TEMPORARY PROTECTIVE COVERING AFTER MASONRY WORK IS COMPLETED AT WORK LOCATION. REMOVE SHORING AND REATTACH MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION EQUIPMENT AND OTHER EXISTING ITEMS TO NEW MASONRY USING EXISTING BRACKETS, HANGERS AND OTHER EXISTING DEVICES. PROVIDE WALL FASTENERS, ANCHOR BOLTS AND CLIPS TO BE OF EQUAL OR GREATER STRENGTH THAN EXISTING TO REATTACH SUCH ITEMS. FINALLY, REMOVE TEMPORARY PARTITION WHEN DIRECTED TO DO SO BY THE COTR.

B. ALL CONDUITS RECEPTACLES, ETC. THAT DURING GABLE CONSTRUCTION ARE EXPOSED TO OUTSIDE SHALL BE PROTECTED FROM WATER AND WIND DAMAGE. WRAP/SEAL ALL CONDUITS JOINTS, BOXES, RECEPTACLES THROUGHOUT DURATION OF GABLE DEMOLITION AND CONSTRUCTION.

SHEET KEYNOTES (#)

1. REMOVE RACEWAY SUPPORTS AND RESUPPORT ALL RACEWAY AND ASSOCIATED BOXES DURING WALL DEMOLITION AND NEW WALL CONSTRUCTION. TEMPORARY SUPPORT SHALL CONSIST OF SLOTTED METAL CHANNELS, FASTENERS, ETC. UPON COMPLETION OF WALL CONSTRUCTION, SUPPORT EXISTING RACEWAYS AND BOXES FROM NEW WALL. EXISTING CIRCUITS SHALL REMAIN ENERGIZED THROUGHOUT CONSTRUCTION. (TYPICAL FOR ALL ELECTRICAL EQUIPMENT ON WALLS TO BE RENOVATED).

2. REMOVE AND STORE EXISTING DISCONNECT SWITCH AND REMOVE ALL ASSOCIATED CONDUCTORS AND RACEWAY BEYOND LIMIT OF WALL DEMOLITION. RACEWAY AND CONDUCTORS TO BE PROTECTED THROUGHOUT NEW WALL CONSTRUCTION. UPON COMPLETION OF WALL CONSTRUCTION, REINSTALL DISCONNECT SWITCH AND RECONNECT ALL ASSOCIATED CONDUCTORS AND RACEWAY. ANY NEW CONDUCTORS OR RACEWAY REQUIRED SHALL MATCH EXISTING.

3. RELOCATE AIR TERMINAL DURING GABLE CONSTRUCTION. EXTEND ALL ASSOCIATED CONDUCTORS TO TEMPORARY LOCATION. IT IS INCUMBENT ON THE CONTRACTOR TO MAINTAIN THE EXISTING INTEGRITY OF THE FACILITY LIGHTNING PROTECTION SCHEME DURING GABLE CONSTRUCTION.

4. UPON CONSTRUCTION OF NEW COPING, CONTRACTOR TO INSTALL NEW AIR TERMINAL IN SIMILAR FASHION TO INSTALLATION OF EXISTING AIR TERMINAL. CONTRACTOR TO CONNECT NEW AIR TERMINAL TO EXISTING LIGHTNING PROTECTION CONDUCTORS. CONTRACTOR SHALL TEST NEW AIR TERMINAL CONNECTIONS TO ENSURE INSTALLATION OF A FULLY OPERATIONAL LIGHTNING PROTECTION SYSTEM.

REVISION NO.	REVISION DESCRIPTION	
Revisions		By Date

Department of Veterans Affairs
Lebanon
VA Medical Center
1700 South Lincoln Avenue
Lebanon, PA 17042

SEAL: COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER JOHN G. ROSS 02/28/2013

Architect/Engineer Address
Harrell, Saltrick & Hopper
Design & Management Solutions for the Built Environment
8016 TOWER POINT DRIVE
CHARLOTTE, NC 28227
P 704.814.1320
F 704.321.0833
WWW.HSHPC.COM
COPYRIGHT © 2013 HARRELL SALTRICK & HOPPER, PC
HSH PROJECT # 11064

Recommended Approvals:	
1. MEDICAL DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COTR

Drawing Title: ELECTRICAL GABLE DETAILS

BID DOCUMENTS

Project Title: FACADE CORRECTIONS BUILDING 1

Date: FEBRUARY 28, 2013
Project Number: 595-11-117

Drawn	Building Number	AutoCAD File Name
WAO		
Checked	Reviewed	Const. Contract No.
RCJ		

DRAWING No. E103
DWG OF

Veterans Affairs