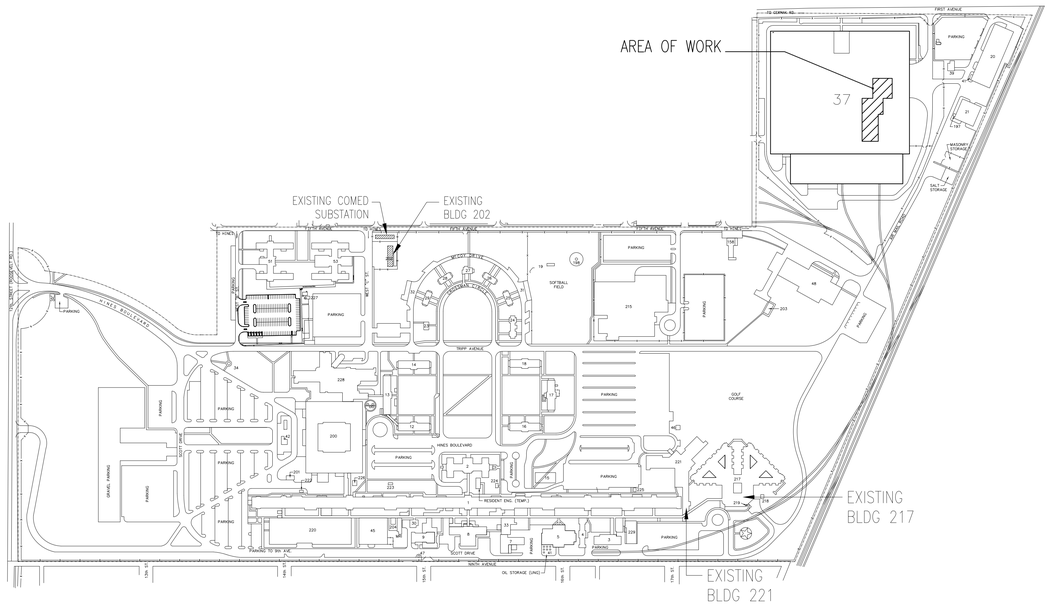
PROJECT No. 796-11-0006
INSTALL FIRE WALL AND CONFERENCE ROOM

DEPARTMENT OF VETERANS AFFAIRS
EDWARD HINES JR. VA HOSPITAL
HINES, ILLINOIS



NORTH

1 / G1 LOCATION PLAN
SCALE: 1" = 300'

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100% CONSTRUCTION DOCUMENTS

Revisions		Date
7		
6		
5		
4		
3	100% SUBMITTAL	12/07/11
2	95% SUBMITTAL	08/24/11
1	50% SUBMITTAL	05/16/11

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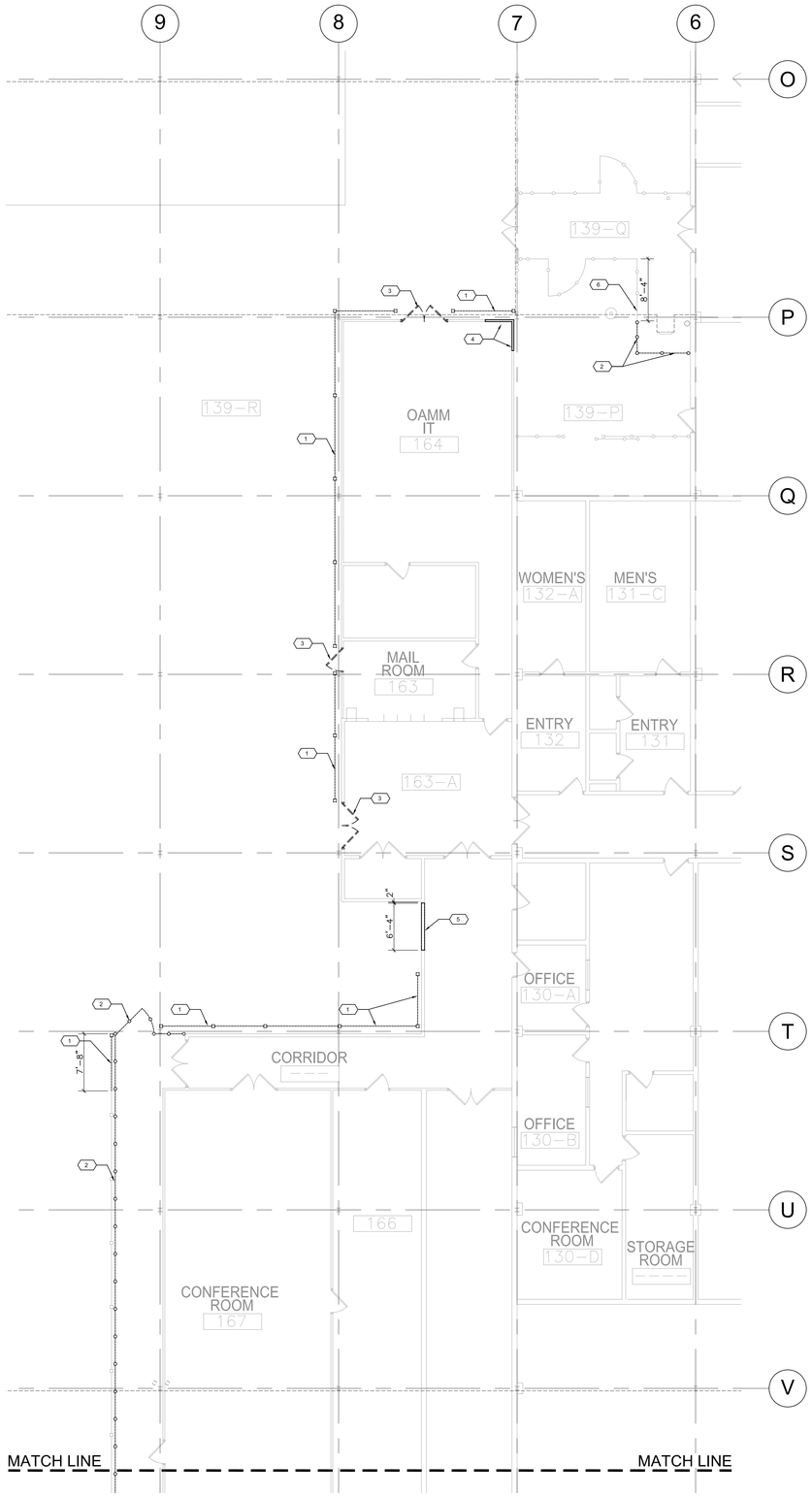
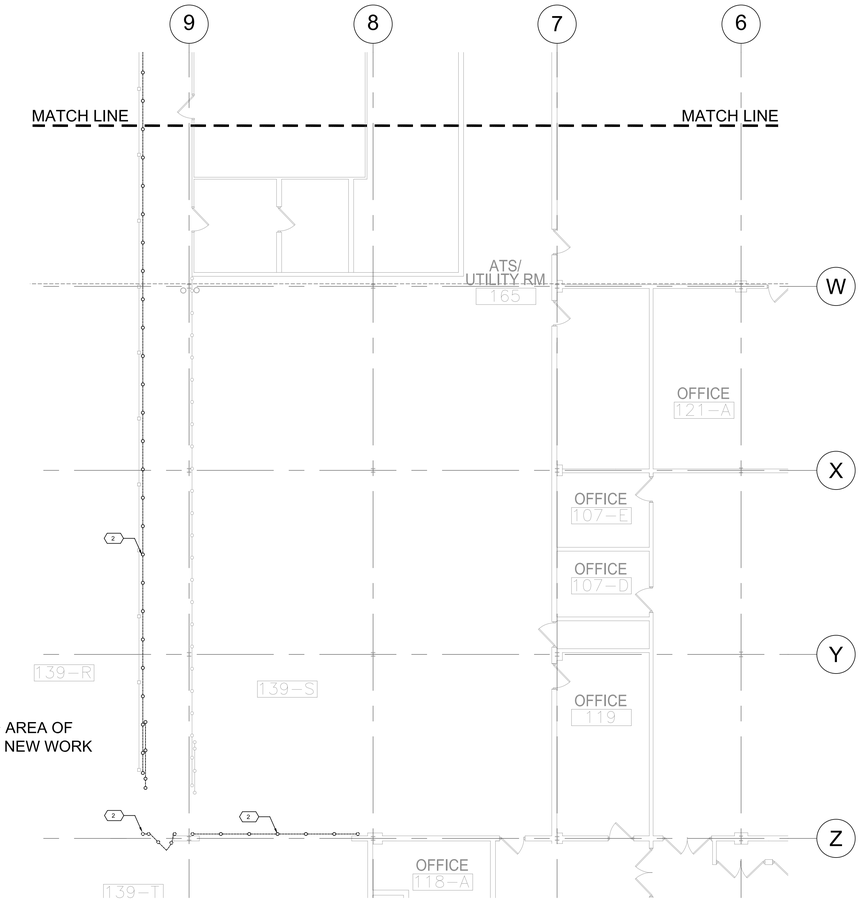
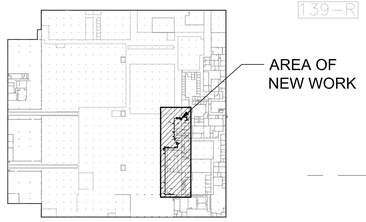
Drawing Title: TITLE SHEET AND LOCATION PLAN
Solicitation No:
Project Title: INSTALL FIRE WALL AND CONFERENCE ROOM
Date: APRIL 20, 2011
Project No. 796-11-0006
Building No. 37
Checked
Drawn
Location: VA SERVICE AND DISTRIBUTION CENTER HINES, ILLINOIS 60141
DRAWING NO. G1
Dwg. 1 Of –

Office of Facilities
Department of Veterans Affairs

VA FORM







3 KEY PLAN
SCALE: NTS

2 DEMOLITION PLAN (NORTH)
SCALE: 1/8" = 1'-0"

1 DEMOLITION PLAN (SOUTH)
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1.) DEMOLITION SHALL BE PERFORMED IN ACCORDANCE WITH ANSI 10.6 "SAFETY REQUIREMENTS FOR DEMOLITION" AND WITH OSHA REGULATIONS. DEMOLITION SHALL CONFORM TO ALL BUILDING CODE REGULATIONS PERTAINING TO WRECKING, INCLUDING PAYMENT FOR ANY SPECIAL PERMITS. PERFORM WRECKING AND REMOVAL OPERATIONS IN SUCH A MANNER AS TO ENSURE THE LEAST POSSIBILITY OF DAMAGE TO ADJOINING AREAS, BE LIABLE FOR, AND REPAIR ANY DAMAGE TO STRUCTURES, MATERIALS OR EQUIPMENT CAUSED BY WRECKING OPERATIONS.

2.) DEMOLITION SHALL BE PERFORMED IN ACCORDANCE WITH PROPER SEQUENCE AND OWNERS SCHEDULE; AND SHALL BE EXECUTED IN AN ORDERLY AND CAREFUL MANNER WITH DUE CONSIDERATION FOR THE PROTECTION OF EXISTING CONSTRUCTION TO REMAIN. CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH OTHER ADJACENT OCCUPIED OR USED AREAS. ENSURE SAFE PASSAGE OF PERSONS AROUND AREA OF DEMOLITION. CONDUCT OPERATIONS TO PREVENT INJURY TO ADJACENT STRUCTURES, OTHER AREAS, AND PERSONS. PROMPTLY REPAIR ANY DAMAGE CAUSED TO ADJACENT AREAS BY DEMOLITION OPERATIONS AT NO COST TO OWNER.

3.) MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED AREAS, EXCEPT WHEN AUTHORIZED IN WRITING BY THE OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO THE OWNER AND TO GOVERNING AUTHORITIES. DISCONNECTING AND CAPPING OF INDICATED UTILITIES BEFORE STARTING DEMOLITION OPERATIONS IS PART OF THIS WORK.

4.) ALL REMOVED DOORS, WINDOWS, CHAIN LINK FENCE, AND METAL GUARDS ARE THE PROPERTY OF THE OWNER. SHOULD OWNER ELECT TO DISPOSE OF SUCH EQUIPMENT AND FIXTURES, THE CONTRACTOR SHALL DISPOSE OF THESE ITEMS LEGALLY AND IN A TIMELY MANNER. ALL OTHER SALVAGE AND PRODUCTS OF DEMOLITION AND REMOVAL SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES IN A TIMELY AND LEGAL MANNER.

5.) USE TEMPORARY ENCLOSURES, INCLUDING TEMPORARY PARTITIONS AND VISQUEEN BARRIERS AND OTHER SUITABLE METHODS AS DIRECTED BY OWNER TO LIMIT DUST AND DIRT RISING AND SCATTERING IN AIR TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION, AND COORDINATE WITH OWNER SPECIFICS ON NATURE OF SEPARATION OF SPACES. WORK SHALL BE EXECUTED IN AN ORDERLY AND CAREFUL MANNER WITH DUE CONSIDERATION FOR THE PUBLIC.

6.) LOCATE DEMOLITION EQUIPMENT THROUGHOUT STRUCTURE AND REMOVE MATERIALS AS TO NOT IMPOSE EXCESSIVE LOADS TO SUPPORTING WALLS, FLOORS, AND FRAMING.

7.) PATCH AREAS WHERE MEP EQUIPMENT HAS BEEN REMOVED. PATCH AND FILL AND FINISH ALL REMAINING OPENINGS AND EXPOSED SURFACES TO MATCH ADJACENT CONSTRUCTION.

9. VERIFY ALL DIMENSIONS AND INTERNAL PARTITION LAYOUT REQUIREMENTS CAN BE MET BEFORE STARTING DEMOLITION WORK.

11. SALVAGE & MAINTAIN ALL FURNITURE FOR FUTURE USE BY OWNER. SEE FURNITURE PLANS REGARDING RELOCATION.

LEGEND

- EXISTING MTL GUARD TO REMAIN
- EXISTING WALL DOOR AND/OR WINDOW TO REMAIN
- EXISTING CHAIN LINK FENCE TO REMAIN
- EXISTING MTL GUARD TO BE REMOVED
- EXISTING WALL DOOR AND/OR WINDOW TO BE REMOVED
- EXISTING CHAIN LINK FENCE TO BE REMOVED
- EXISTING CONSTRUCTION TO BE REMOVED

KEYED NOTES

1. REMOVE, SALVAGE, AND PREP EXISTING METAL GUARD FOR RELOCATION. PATCH FLOOR AS REQUIRED.
2. REMOVE & SALVAGE EXISTING CHAIN LINK FENCE. PATCH FLOOR AS REQUIRED.
3. REMOVE, SALVAGE, AND PREP EXISTING DOOR(S) AND PREPARE OPENING AS INDICATED ON FLOOR PLANS
4. REMOVE EXISTING WALL PANEL. PROVIDE TEMPORARY SUPPORT FOR REMAINING WALL PANEL AND CEILING.
5. REMOVE EXISTING PARTITION TO CREATE NEW DOORWAY OPENING
6. CUT, PATCH, & TERMINATE EXISTING CHAIN LINK FENCE AS INDICATED

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Drawing Title: DEMOLITION PLAN
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Building No. 37
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Location: VA SERVICE AND DISTRIBUTION CENTER HINES, ILLINOIS 60141
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DRAWING NO. D 1
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Office of Facilities
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SYMBOLS/MATERIAL LEGEND

SECTION/DETAIL SYMBOL
- SECTION OR DETAIL IDENTIFICATION (A)
- DWG. SHEET WHERE SECT./DTL. IS DRAWN (A4)

PARTITION SYMBOL
- ALPHA-NUMERIC PARTITION TYPE IDENTIFICATION; REFER LEGEND ON SHEET A1 FOR CONST. + TEST # (1A)

DETAIL SYMBOL
- DETAIL IDENTIFICATION (2)
- DWG. SHEET NO. WHERE DETAIL IS DRAWN (A1)

ELEVATION SYMBOL
- DETAIL IDENTIFICATION (1)
- DWG. SHEET NO. WHERE ELEVATION IS DRAWN (A3)
- EXTERIOR
- DETAIL IDENTIFICATION (1)
- DWG. SHEET NO. WHERE ELEVATION IS DRAWN (A3)
- INTERIOR

BUILDING SECTION SYMBOL
- DETAIL IDENTIFICATION (2)
- DWG. SHEET NO. WHERE SECTION IS DRAWN (A4)

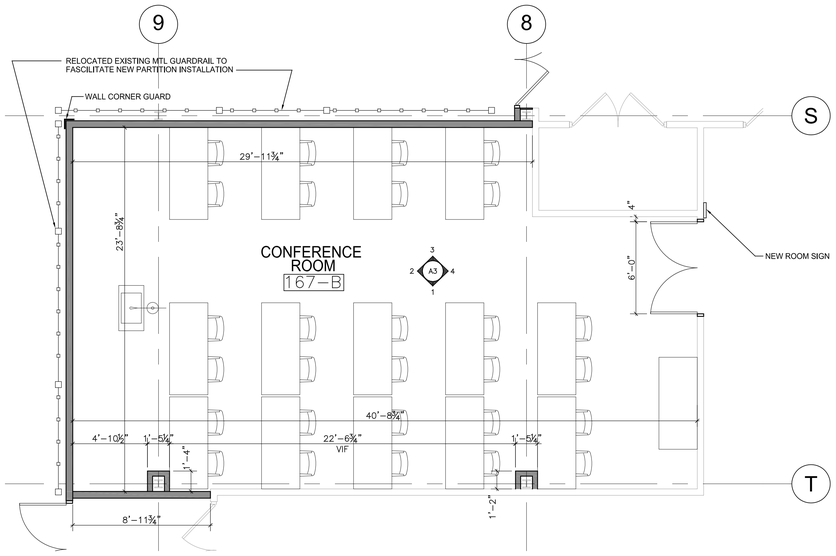
DOOR / LITE SYMBOLS
- HINGED DOOR SYMBOL
- DOOR IDENTIFICATION NO. (SEE SHEET A3) (1XXX)

ROOM IDENTIFICATION SYMBOL
- ROOM NAME (ROOM)
- ROOM NUMBER

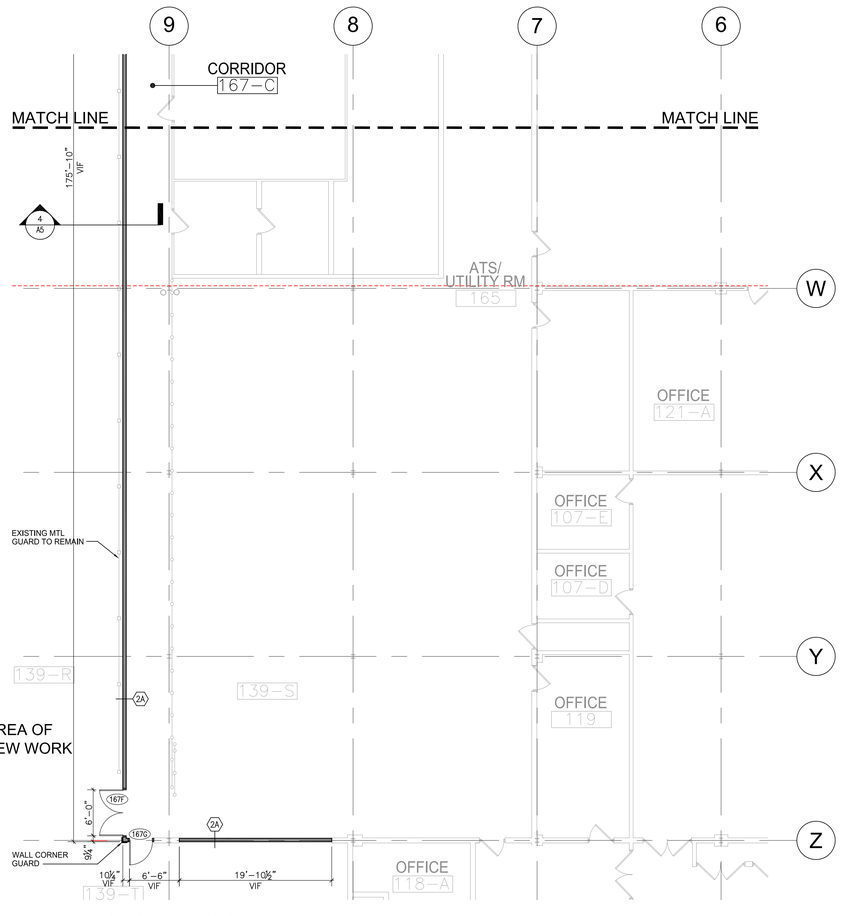
ELEVATION SYMBOL
- 1ST FLOOR EL 100'-0" (ARCH + STRUCT)

CEILING HEIGHT SYMBOL
- CEILING HEIGHT (9'-0")

CONCRETE (CAST IN PLACE OR PRECAST)
BRICK
CONCRETE MASONRY UNIT
EARTH
BATT INSULATION
GASKET / COMPRESSIBLE FILLER
SEALANT AND BACKER ROD
CONTINUOUS WOOD BLOCKING
INTERMITTENT BLOCKING / SHIMS
GRAVEL / GRANULAR FILL
PLASTER / CEMENT PLASTER
DRYWALL (GYPSUM BOARD)
MEMBRANE
ACOUSTICAL TILE
GLASS
CARPET
ALUMINUM
WOOD, FINISHED
WOOD, ROUGH
STRUCTURAL STEEL LARGE SCALE
MISC METAL LARGE SCALE
STRUCTURAL STEEL SMALL SCALE
GLAZED MASONRY UNIT / NOTED
RIGID INSULATION
RIGID INSULATION; TAPERED
STEEL / STAINLESS STEEL
LIMESTONE OR CAST STONE / NOTED
MORTAR / SETTING BED
PLYWOOD



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



2 FLOOR PLAN (NORTH)
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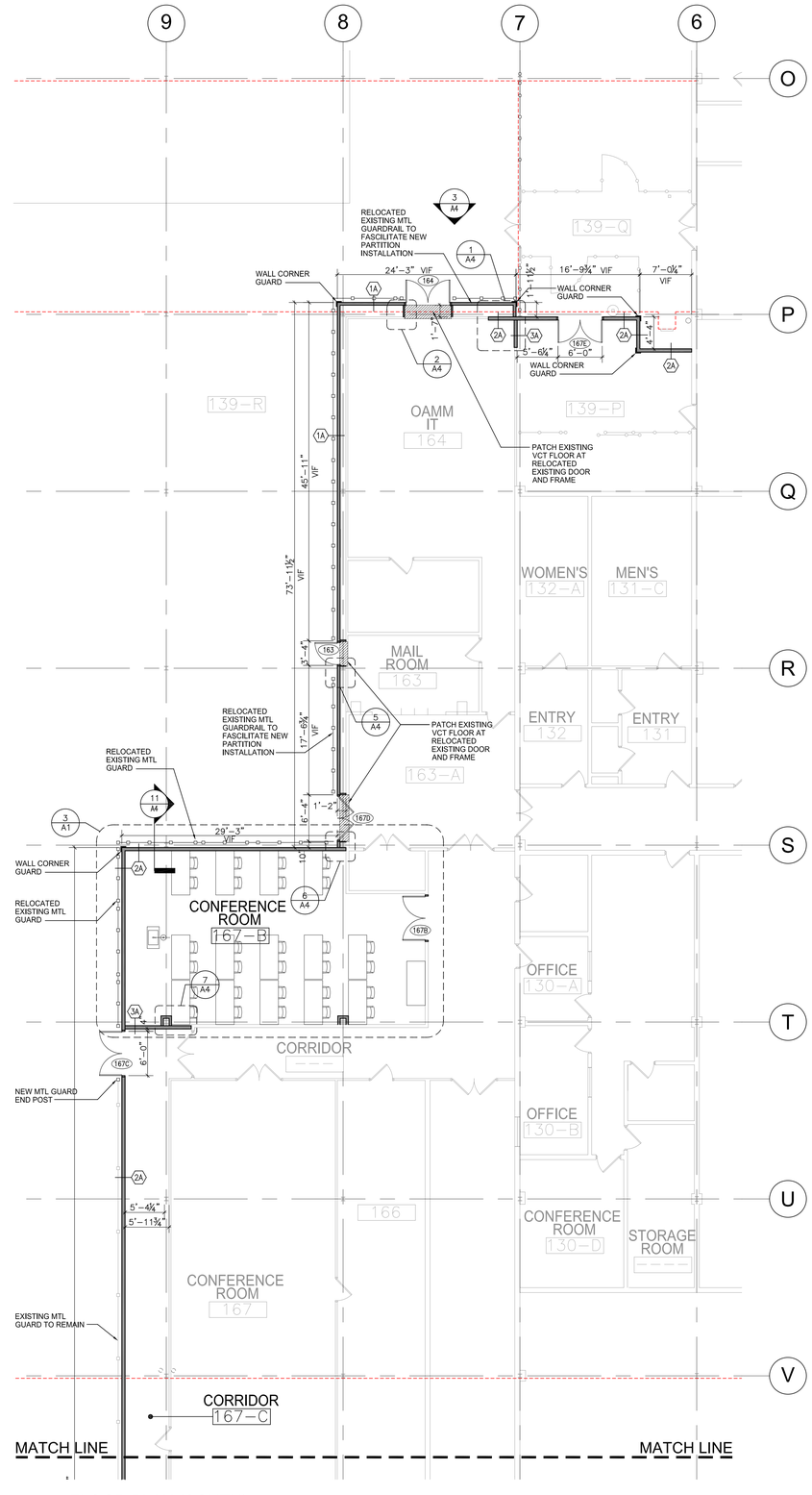

1 FLOOR PLAN (SOUTH)
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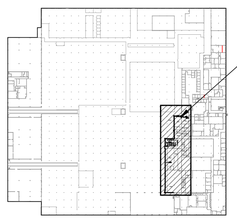

4 KEY PLAN
SCALE: NTS

GENERAL NOTES

1. DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED FOR THE WORK.

2. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE DETAILED. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT BEFORE BEGINNING WORK.

3. NOTES AND REFERENCES APPEAR ON VARIOUS SHEETS FOR DIFFERENT SYSTEMS AND CONSTRUCTION MATERIALS. ALL SHEETS ARE TO BE REVIEWED AND NOTES ON ANY SHEETS ARE APPLICABLE TO RELATED DRAWINGS AND DETAILS

4. IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THE GENERAL NOTES, DRAWINGS, AND/OR TECHNICAL SPECIFICATIONS THE CONTRACTOR SHALL NOTIFY THE ARCHITECT TO RESOLVE THE DISCREPANCY.

5. ANY DETAILS, SYSTEMS, MATERIALS, ETC. WHICH ARE PROPOSED TO BE CHANGED MUST BE REVIEWED AND FOUND ACCEPTABLE BY THE ARCHITECT.

6. ALL JOINTS OF ANY ELEMENT OF CONSTRUCTION WHICH ARE REQUIRED TO HAVE A FIRE RESISTANCE RATING SHALL BE INSTALLED PER THE MANUFACTURER'S PUBLISHED TESTED ASSEMBLY, SHALL BE TIGHT, AND SHALL PREVENT THE PASSAGE OF SMOKE AND FLAME.

7. ALL EXTERIOR JOINTS AROUND WINDOWS, BETWEEN WALLS AND ROOF, AND AT THE PENETRATION OF THE EXTERIOR WALL WITH MECHANICAL, ELECTRICAL, AND/OR PLUMBING ELEMENTS SHALL BE SEALED OR WEATHERSTRIPPED TO PREVENT AIR LEAKAGE.

8. PROVIDE CONTROL JOINTS IN THE GYPSUM BOARD CONSTRUCTION SUCH THAT FURRING RUNS DO NOT EXCEED 25'-0" IN EITHER DIRECTION WITHOUT PERIMETER RELIEF.

9. PROVIDE 7'-6" MINIMUM HEADROOM CLEARANCE TO ALL STRUCTURAL FRAMING, METAL WORK, PIPING, LIGHTING, DUCTWORK, ETC. IN ALL STAIRWAYS AND EXIT PASSAGES AT ALL CONDITIONS.

10. CONTRACTOR SHALL COORDINATE PLACEMENT OF ALL CEILING ELEMENTS WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION WORK AND THE CEILING INSTALLER. WHERE DISCREPANCIES EXIST BETWEEN DRAWINGS AND INSTALLATION REVIEW WITH ARCHITECT.

11. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO PREVENT MOLECULAR BREAKDOWN.

12. PROVIDE ACCESS PANELS AS REQUIRED BY APPLICABLE CODES AND AS REQUIRED. ALL ACCESS PANELS SHALL BE CONCEALED AND LOCATIONS SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO INSTALLATION. SHOP DRAWINGS SHALL BE SUBMITTED LOCATING ALL ACCESS PANELS.

13. CONTRACTOR TO COORDINATE ALL EQUIPMENT HOUSEKEEPING PADS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION CONTRACTORS, AND SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO INSTALLATION.

14. DIMENSIONS SHALL GOVERN. DO NOT SCALE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES, OMISSIONS AND/OR CONFLICTS.

15. ALL DIMENSIONS SHALL BE VERIFIED ON SITE BEFORE PROCEEDING WITH THE WORK.

16. UNLESS NOTED OTHERWISE ALL STAIRS, ELEVATOR SHAFTS, AND MECHANICAL SHAFTS ARE DIMENSIONED TO THEIR CLEAR INSIDE OPENING.

17. PARTITIONS ARE DIMENSIONED TO THE FINISHED FACE OF THE WALL U.N.O.

18. SEE ROOM FINISH SCHEDULES FOR APPLIED FINISHES (TILE, WALL COVERING, PAINT, ETC.)

19. THE FLAME SPREAD RATING FOR ALL MATERIALS SHALL CONFORM TO ALL APPLICABLE CODES.

20. UNLESS NOTED OTHERWISE ALL PARTITIONS SHALL EXTEND TO THE UNDERSIDE OF THE STRUCTURAL DECK AND FRAMING SYSTEM ABOVE.

21. PROVIDE FOR VERTICAL MOVEMENT AT HEAD OF ALL GYPSUM BOARD CONSTRUCTION. IN GYP. BOARD CONSTRUCTION CONNECT THE HEAD RUNNER CHANNEL TO UNDERSIDE OF STRUCTURE. CUT STUDS TO ALLOW FOR VERTICAL MOVEMENT AND DO NOT FASTEN TO RUNNER CHANNEL, FASTEN GYP. BOARD TO STUDS ONLY.

22. PROVIDE LATERAL STEEL BRACING TO STRUCTURE ABOVE FINISHED CEILINGS FOR PARTITIONS EXCEEDING UNSUPPORTED HEIGHTS INDICATED ON DRAWINGS.

23. ALL FIRESTOPPING ASSEMBLIES TO MATCH UL RATINGS OF ADJACENT COLUMNS, BEAMS, FLOORS, AND WALLS.

CONSTRUCTION LEGEND
- EXISTING MTL GUARD TO REMAIN
- EXISTING WALL DOOR AND/OR WINDOW TO REMAIN
- EXISTING CHAIN LINK FENCE TO REMAIN
- RELOCATED EXISTING MTL GUARD
- RELOCATED EXISTING DOOR AND FRAME
- NEW WALL DOOR AND/OR WINDOW

WALL TYPES
- (1A) 4½" 1 HR GYP. SHAFT WALL (U469)
- (2A) 5¼" 1 HR GYP. WALL (U465)
- (3A) 5¼" GYP. WALL (NOT RATED)

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Drawing Title: FIRST FLOOR PLAN
Solicitation No:
Project Title: INSTALL FIRE WALL AND CONFERENCE ROOM
Date: AUGUST 24, 2011
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Building No. 37
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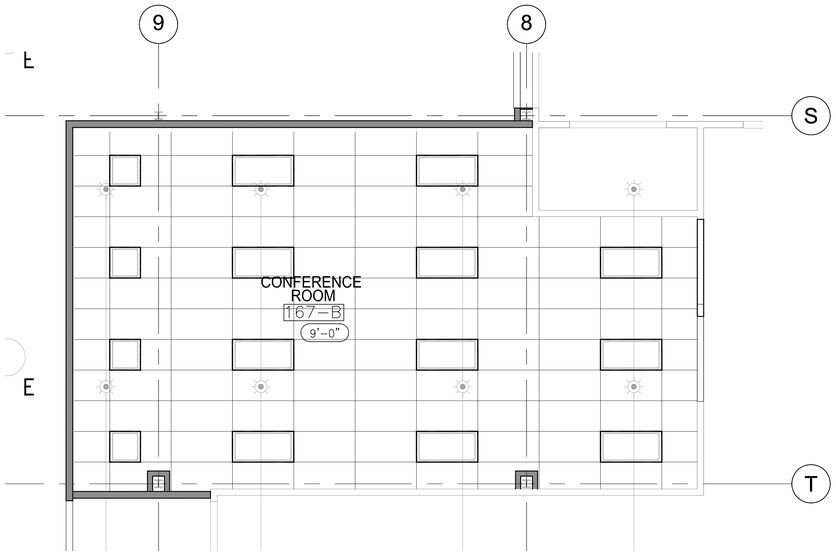

3 CONFERENCE ROOM ENLARGED PLAN
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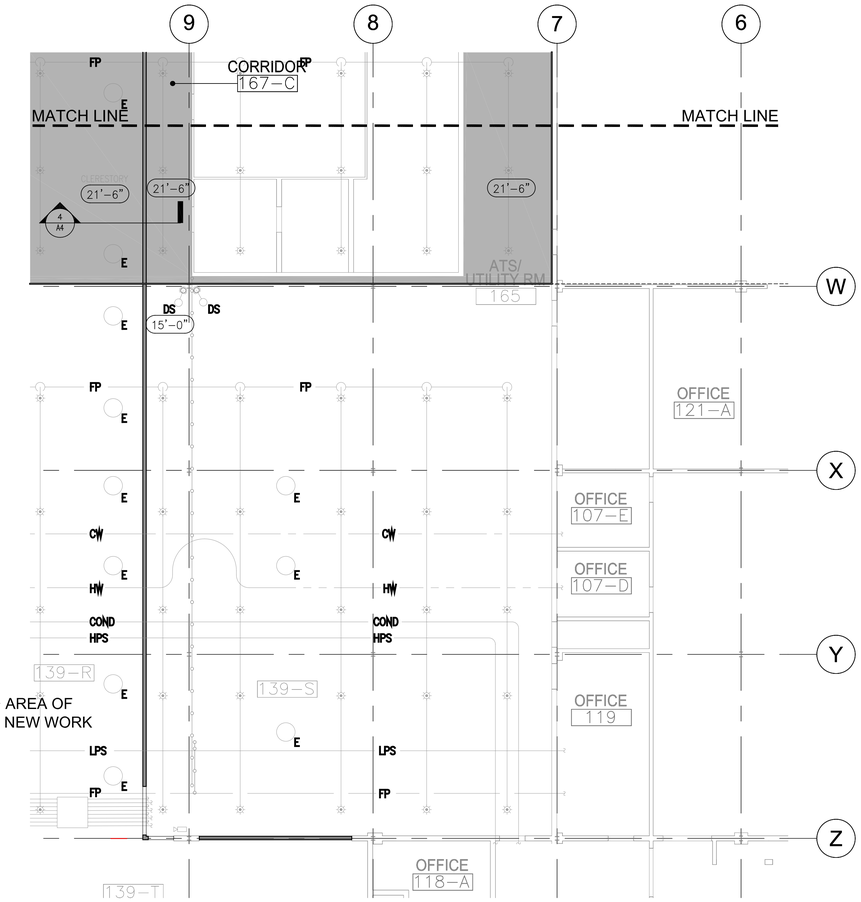

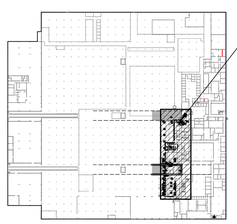

4 KEY PLAN
SCALE: NTS

2 RELECTED CEILING PLAN (NORTH)
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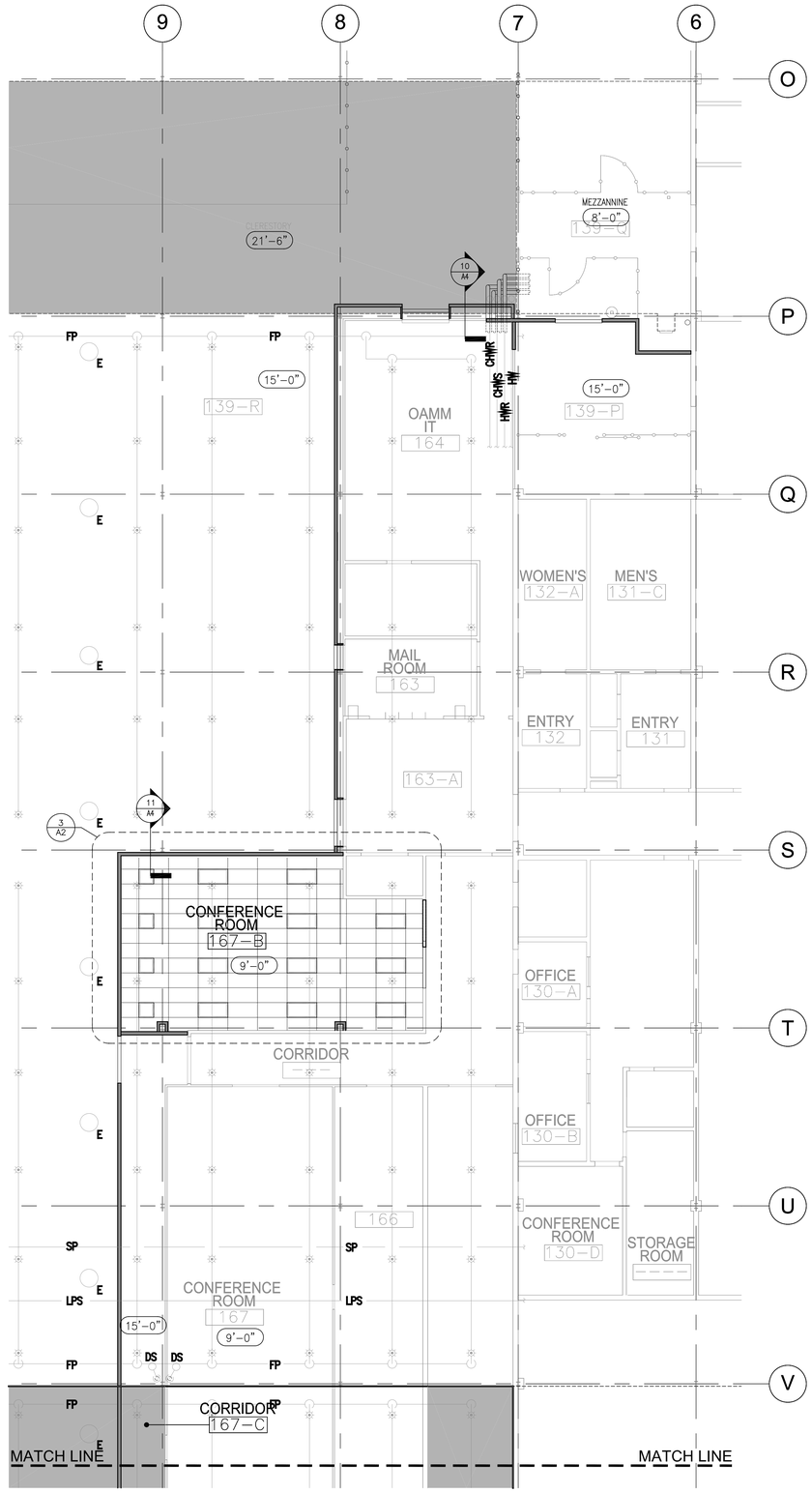

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LEGEND

- 24x48 FLUORESCENT FIXTURE
- 24X24 FLUORESCENT FIXTURE
- SURFACE MOUNTED DOWN LIGHT
- WALL MOUNTED FIXTURE
- EXHAUST FAN/LIGHT
- ACOUSTIC CEILING
- CLERESTORY AREA
- EXISTING LIGHT FIXTURE
- EXISTING SPRINKLER HEAD
- EXISTING CCTV CAMERA

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Drawing Title: REFLECTED CEILING PLAN
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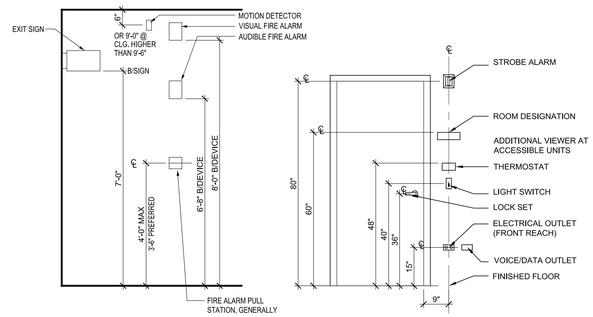
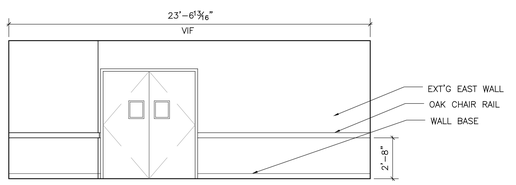
Department of Veterans Affairs

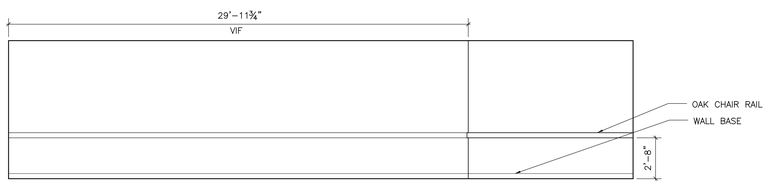
VA FORM



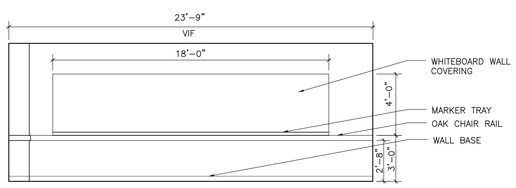
5 TYPICAL MOUNTING HEIGHTS
SCALE: NTS



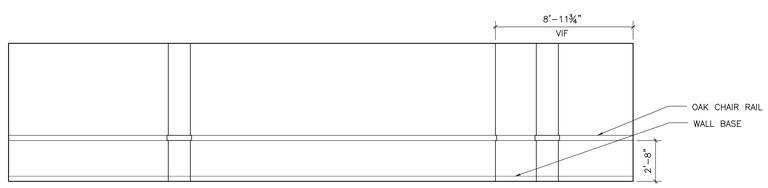
4 CONFERENCE RM- EAST WALL
SCALE: 1/4" = 1'-0"



3 CONFERENCE RM- NORTH WALL
SCALE: 1/4" = 1'-0"



2 CONFERENCE RM- WEST WALL
SCALE: 1/4" = 1'-0"



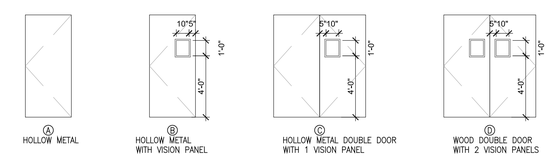
1 CONFERENCE RM- SOUTH WALL
SCALE: 1/4" = 1'-0"

NOTE: PROVIDE MTL. BLOCKING IN WALL FOR CHAIR RAIL AND WHITEBOARD INSTALLATION AS REQ'D.

DOOR & FRAME SCHEDULE

DOOR NO.	ROOM NAME	DOOR MATERIAL	DOOR TYPE	DOOR FIN.	DOOR SIZE	DOOR THK.	FRAME MATERIAL	FRAME FIN.	DETAILS JAMB	DETAILS HEAD	LABEL	HDWR.	REMARKS
163	MAIL ROOM	HM	B	PTD	3'-0"x6'-8"	1 3/4"	HM	PTD			C	EXST'G	SELF-CLOSER/ RELOCATED HARDWARE/ NOTE 1
164	OAMM IT	HM	D	PTD	2 @ 3'-0"x6'-8"	1 3/4"	HM	PTD			C	EXST'G	SELF-CLOSER/ RELOCATED HARDWARE/ NOTE 1
167B	CONFERENCE ROOM	WD	D	STAINED	2 @ 3'-0"x6'-8"	1 3/4"	HM	PTD			C	HW4-D	SELF-CLOSER
167C	CORRIDOR	HM	C	PTD	2 @ 3'-0"x6'-8"	1 3/4"	HM	PTD			C	HW5-B	SELF-CLOSER
167D	CORRIDOR (EXST'G REUSED)	HM	C	PTD	2 @ 3'-0"x7'-0"	1 3/4"	HM	PTD			C	EXST'G	SELF-CLOSER/ RELOCATED HARDWARE/ NOTE 1
167E	CAGE	HM	C	PTD	2 @ 3'-0"x6'-8"	1 3/4"	HM	PTD			C	HW5-B	SELF-CLOSER
167F	CORRIDOR	HM	C	PTD	2 @ 3'-0"x8'-0"	1 3/4"	HM	PTD			C	HW5-B	SELF-CLOSER
167G	CORRIDOR	HM	B	PTD	3'-0"x6'-8"	1 3/4"	HM	PTD			C	HW-6	SELF-CLOSER

NOTE 1: RELOCATE EXISTING DOOR HARDWARE AND CARD READER ACCESS SYSTEMS TO NEW DOOR AND FRAME.



A HOLLOW METAL
B HOLLOW METAL WITH VISION PANEL
C HOLLOW METAL DOUBLE DOOR WITH 1 VISION PANEL
D WOOD DOUBLE DOOR WITH 2 VISION PANELS

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3	100% SUBMITTAL	12/07/11
2	95% SUBMITTAL	08/24/11
1	50% SUBMITTAL	05/16/11
Revisions		Date

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Drawing Title: SCHEDULES & INTERIOR ELEVATIONS
Solicitation No:
Project Title: INSTALL FIRE WALL AND CONFERENCE ROOM
Building No. 37
Checked
Drawn
Location: VA SERVICE AND DISTRIBUTION CENTER HINES, ILLINOIS 60141
Date: AUGUST 24, 2011
Project No. 796-11-0006
DRAWING NO. A 3
Dwg. Of -

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Department of Veterans Affairs

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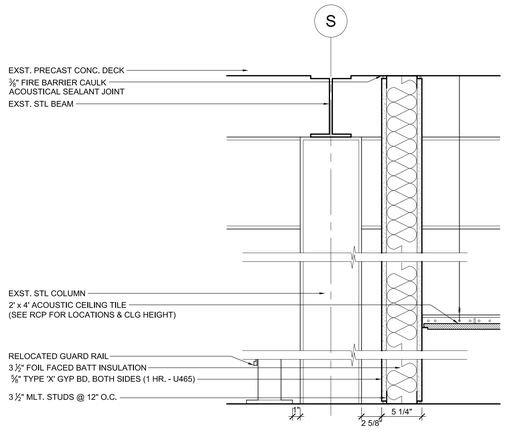

11 SECTION
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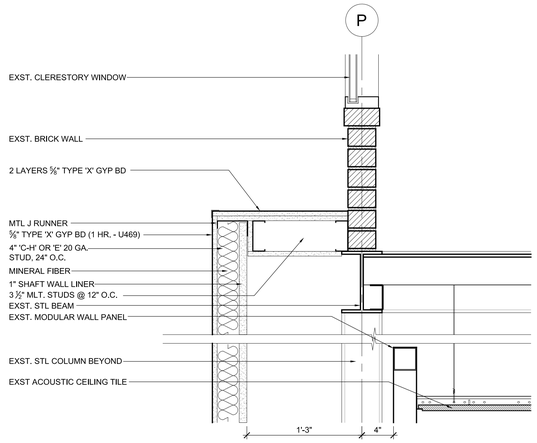
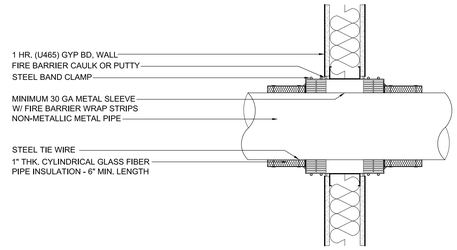
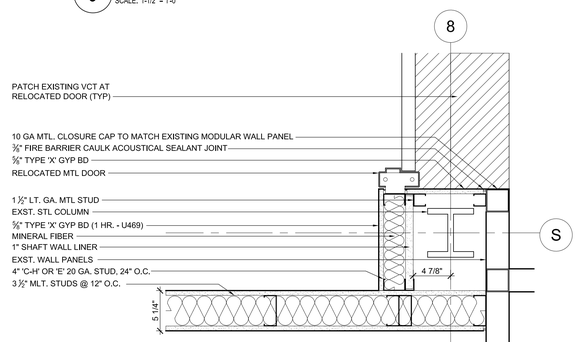


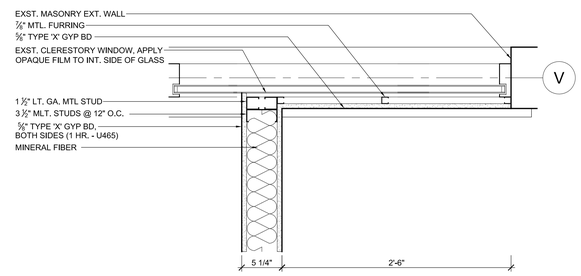
10 SECTION DETAIL
SCALE: 1-1/2" = 1'-0"



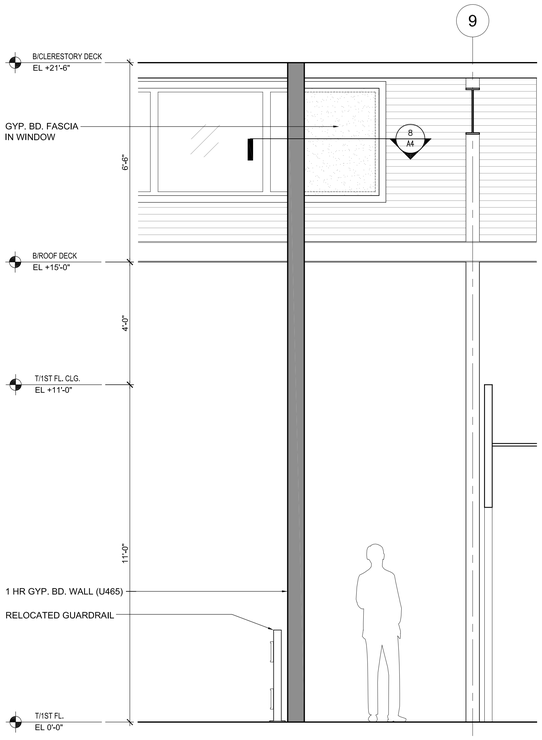
9 TYP. DETAIL- PIPE THROUGH GYP. BD. WALL
SCALE: 1-1/2" = 1'-0"



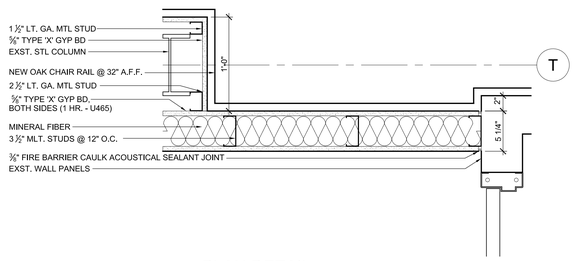
6 PLAN DETAIL
SCALE: 1-1/2" = 1'-0"



8 PLAN DETAIL
SCALE: 1-1/2" = 1'-0"

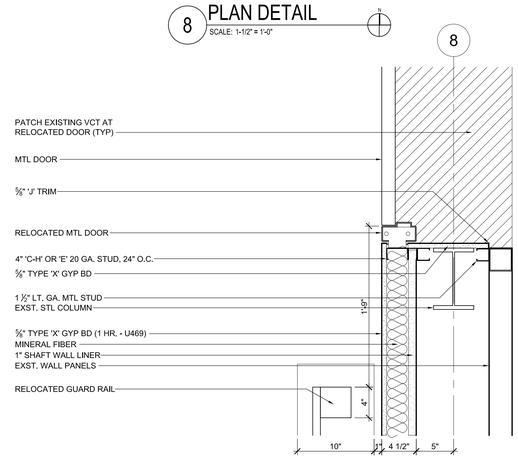


4 SECTION
SCALE: 1/2" =1'-0"

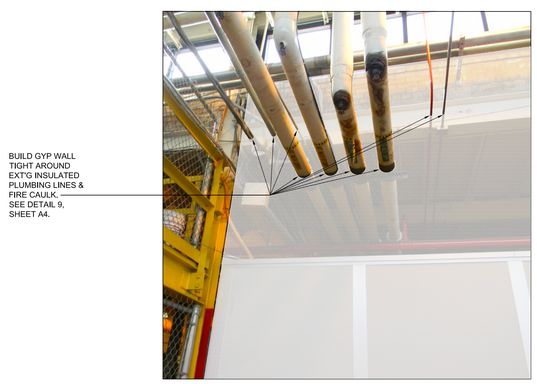


7 PLAN DETAIL
SCALE: 1-1/2" = 1'-0"

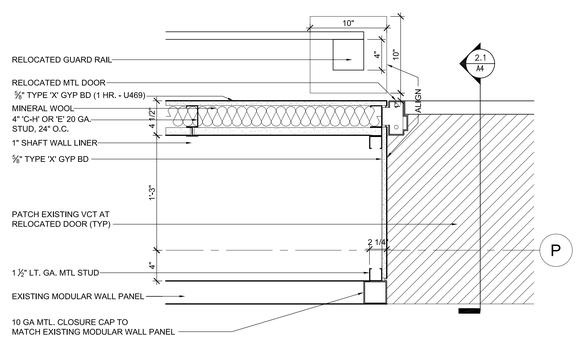
2.1 SECTION DETAIL
SCALE: 1-1/2" = 1'-0"



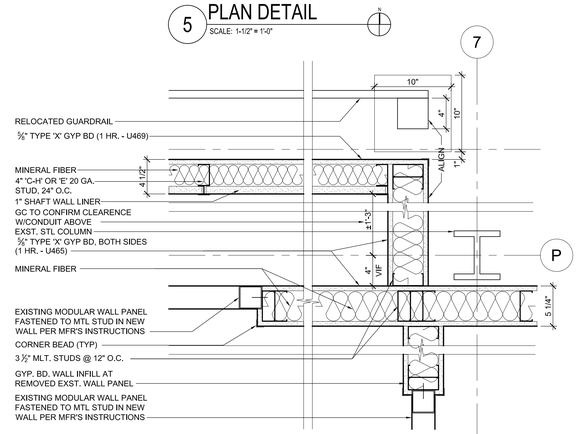
5 PLAN DETAIL
SCALE: 1-1/2" = 1'-0"



3 ELEVATION DETAIL
SCALE: NTS



2 FLOOR PLAN DETAIL
SCALE: 1-1/2" = 1'-0"



1 FLOOR PLAN DETAIL
SCALE: 1-1/2" = 1'-0"

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3	100% SUBMITTAL	12/07/11
2	95% SUBMITTAL	08/24/11
1	50% SUBMITTAL	05/16/11
Revisions		Date

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Drawing Title: PLAN & SECTION DETAILS

Solicitation No:

Project Title: INSTALL FIRE WALL AND CONFERENCE ROOM

Date: AUGUST 24, 2011

Project No. 796-11-0006

Building No. 37

Checked

Drawn

Location: VA SERVICE AND DISTRIBUTION CENTER HINES, ILLINOIS 60141

DRAWING NO.

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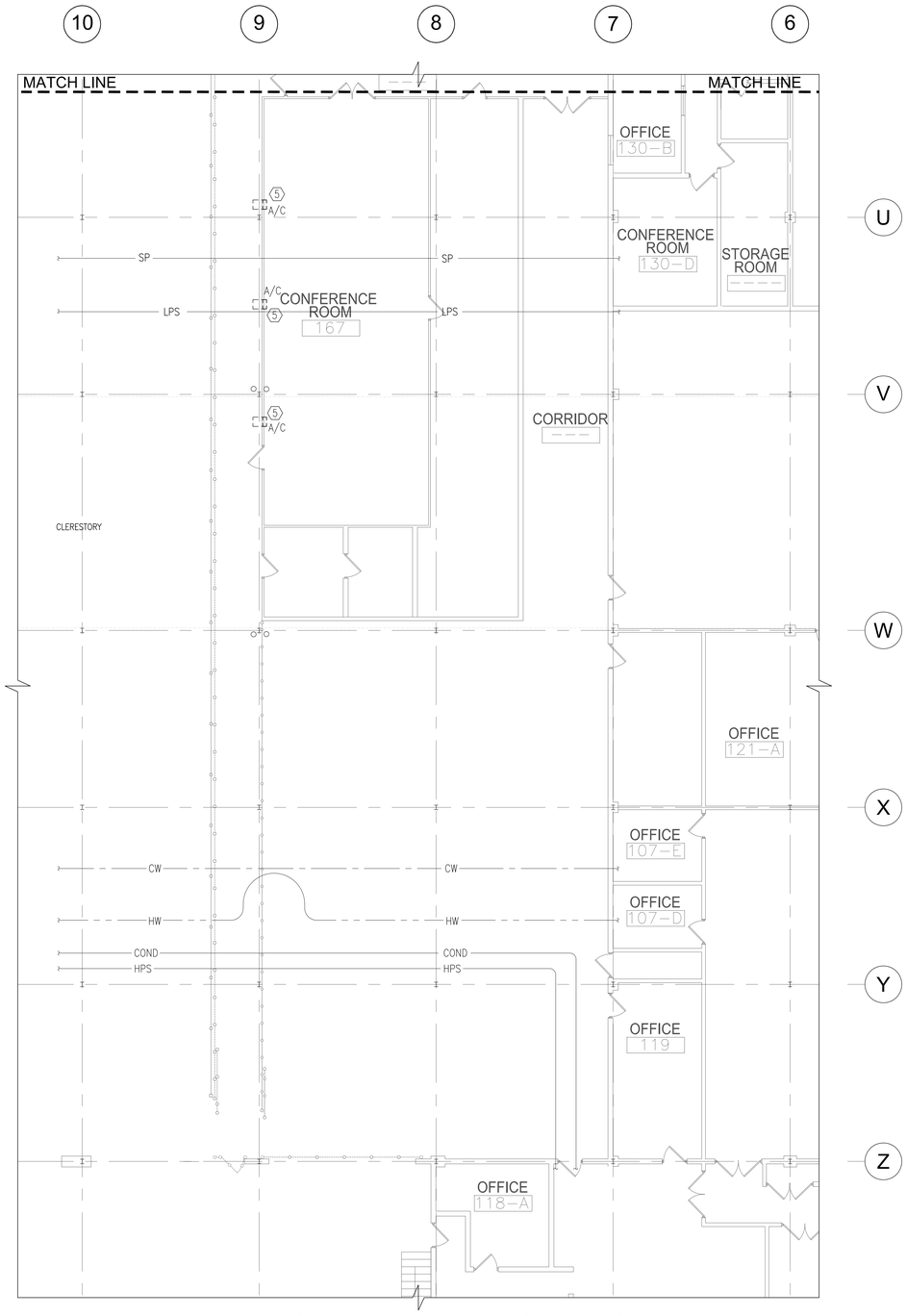
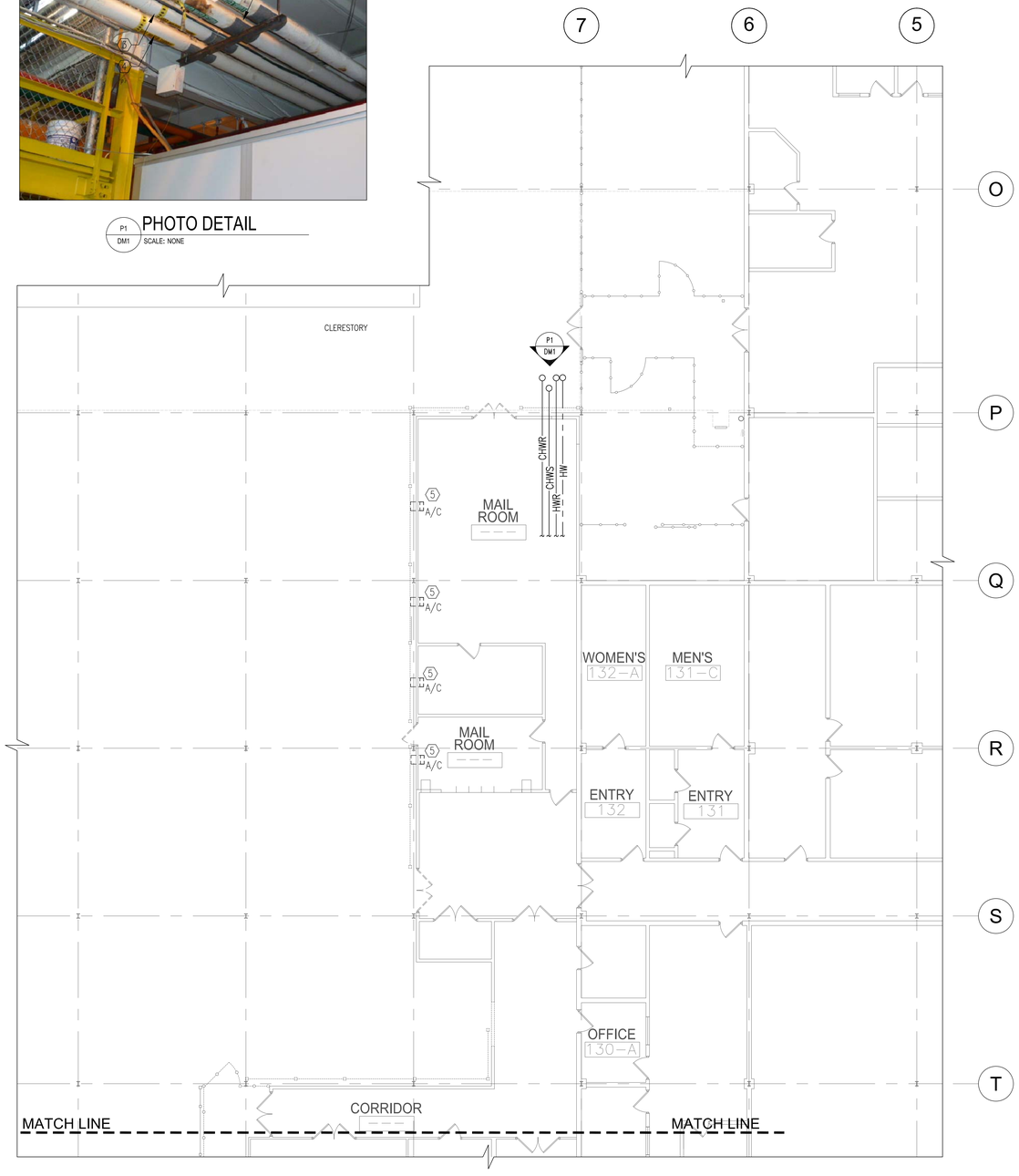


2 DE-2 PARTIAL FIRST FLOOR PIPING DEMOLITION PLAN (NORTH)
SCALE: 1/8"=1'-0"

P1 DM1 PHOTO DETAIL
SCALE: NONE



1 DE-1 PARTIAL FIRST FLOOR PIPING DEMOLITION PLAN (SOUTH)
SCALE: 1/8"=1'-0"

KEY NOTES:

1. EXISTING CHILLED WATER SUPPLY TO REMAIN.
2. EXISTING CHILLED WATER RETURN TO REMAIN.
3. EXISTING HOT WATER RETURN TO REMAIN.
4. EXISTING HOT WATER SUPPLY TO REMAIN.
5. EXISTING WINDOW A/C UNITS TO BE REMOVED CONTRACTOR SHALL REPAIR OPENING TO MATCH EXISTING.

Revisions		Date
7		
6		
5		
4		
3	100% SUBMITTAL	12/07/11
2	95% SUBMITTAL	08/24/11
1	50% SUBMITTAL	05/16/11

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Drawing Title: PARTIAL 1st FLR ELECTRICAL DEMOLITION PLAN

Solicitation No:

Project Title: INSTALL FIRE WALL AND CONFERENCE ROOM

Building No.: 37

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Location: VA SERVICE AND DISTRIBUTION CENTER HINES, ILLINOIS 60141

Date: AUGUST 24, 2011

Project No.: 796-11-0006

DRAWING NO. DM1

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FIRE PROTECTION GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH THE FIRE PROTECTION REQUIREMENTS AND CODES OF THE COOK COUNTY, ILLINOIS, THE ILLINOIS STATE FIRE MARSHALL AND NFPA NATIONAL FIRE CODES. THE SPECIFICATION OUTLINES THE MINIMUM REQUIREMENTS FOR A DESIGN/BUILD CONTRACT FOR FIRE PROTECTION. CONTRACTOR SHALL APPLY AND PAY FOR ALL PERMITS AND INSPECTIONS FOR MECHANICAL WORK.
2. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL CLEARANCES AND POINTS OF CONNECTION TO THE BASE BUILDING FIRE PROTECTION SYSTEM. ALL WORK SHALL BE DESIGNED AND INSTALLED ACCORDING TO FIELD CONDITIONS.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (INCLUDING DEVICE/EQUIPMENT PRODUCT DATA SUBMITTALS) AND HYDRAULIC CALCULATIONS TO THE MUNICIPALITY HAVING JURISDICTION, THE OWNER AND THE ARCHITECT/ENGINEER PRIOR TO COMMENCEMENT OF PROJECT AND PURCHASE OF MATERIALS. CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS AND MAINTENANCE MANUALS AS DIRECTED BY THE OWNER.
4. CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER TRADES.
5. CONTRACTOR SHALL GUARANTEE ALL LABOR AND MATERIALS FOR THE PERIOD OF ONE YEAR FROM THE DATE OF COMPLETION.
6. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM JOB SITE AND LEAVE ALL WORK AND EQUIPMENT IN CLEAN WORKING CONDITION.
7. CONTRACTOR SHALL PROVIDE AND INSTALL FIRE STOPPING SO AS TO COMPLETELY SEAL ALL PENETRATIONS OF FIRE RATED ASSEMBLIES, WALLS AND CEILINGS CAUSED BY THIS TRADE. THE SYSTEM SHALL BE INSTALLED ACCORDING TO AN UNDERWRITER'S LABORATORY APPROVED THROUGH-PENETRATION FIRE STOPPING PROTECTION SYSTEM, HAVE BEEN TESTED IN ACCORDANCE WITH ASTM #E-814 AND UL #1479, AND SHALL HAVE AN "F" RATING NOT LESS THAN THE REQUIRED RATING OF THE WALL PENETRATED. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR DUCT AND THE FIRE RATED ASSEMBLY SHALL BE FILLED WITH THE APPROVED MATERIAL SO AS TO MAINTAIN THE INTEGRITY OF THE FIRE RATING OF ALL ASSEMBLY PENETRATED. INSULATION SHALL NOT PASS THROUGH FIRE RATED ASSEMBLIES.
8. FIRE PROTECTION PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH SCREWED FITTINGS, HANGERS AND LOW POINT DRAINS. CONTRACTOR MAY USE GROOVED PIPING SYSTEM, UL APPROVED, VICTUAL OR APPROVED EQUAL.
9. CONTRACTOR SHALL PROVIDE AND INSTALL EACH OF THE FOLLOWING DEVICES AND PIECES OF EQUIPMENT:
   - A. FIRE PUMP AND JOCKEY PUMP WITH CONTROL PANELS
   - B. FIRE DEPARTMENT CONNECTION (SEE PLANS FOR LOCATION)
   - C. INSPECTOR'S TEST CONNECTION FOR EACH ZONE
   - D. SPARE SPRINKLER BOX
10. CONTRACTOR SHALL PROVIDE SPRINKLERS OF THE TYPE INSTALLED FOR THE USE AS SPARES TO THE BUILDING OWNER. THE NUMBER OF SPRINKLERS SHALL BE AS REQUIRED BY CODE. CONTRACTOR SHALL PROVIDE A SPRINKLER WRENCH FOR EACH TYPE OF SPRINKLER SUPPLIED. SPARE SPRINKLER CABINET SHALL BE INSTALLED IN THE PLUMBING/FIRE PROTECTION ROOM.
11. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR ALL LEAK DAMAGE DUE TO HIS SYSTEM.
12. CONTRACTOR SHALL PERFORM ALL TESTS ON SYSTEM AS REQUIRED BY LOCAL CODE AND INSURANCE CARRIER.
13. ALL PIPING SHALL BE SUSPENDED INDEPENDENTLY FROM BUILDING STRUCTURE. FOR EACH PIPE HANGER BELOW SLAB, CONTRACTOR SHALL PROVIDE MALLEABLE IRON INSERTS. VERTICAL PIPE RISERS SHALL BE SUPPORTED AT LEAST ONCE ON EACH STORY HEIGHT. RISER CLAMPS AT BASE OF RISER SHALL BE SECURELY CLAMPED TO BUILDING STRUCTURE. ALL SUPPORTS AND HANGERS SHALL BE SO CONSTRUCTED AS TO ALLOW FOR PROPER PITCH AND EXPANSION OF PIPES.
14. CONTRACTOR SHALL PAINT EXPOSED SPRINKLER PIPING TO MATCH CEILING AND WALL COLORS (COORDINATE WITH ARCHITECT FOR COLOR SELECTIONS)

NOTES:

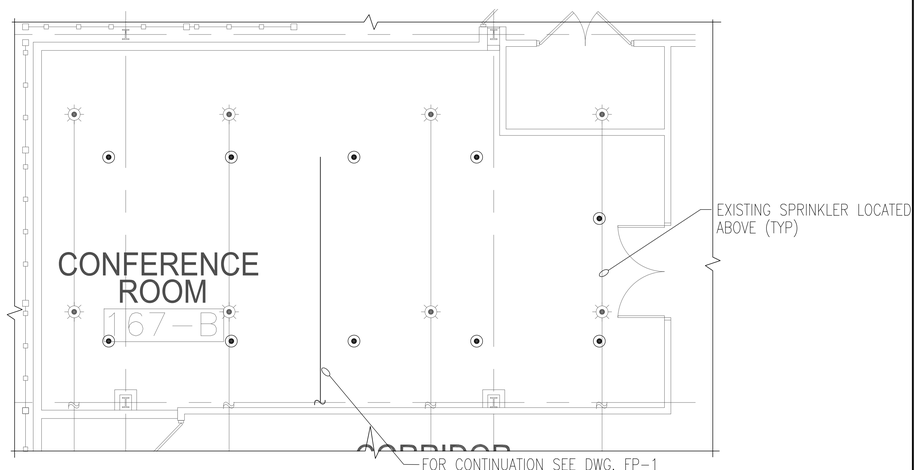
1. SPRINKLER CONTRACTOR TO PROVIDE:
   - A. HYDROSTATIC TEST OF OVERHEAD PIPING @200 P.S.I. FOR 2 HOURS. SPRINKLER CONTRACTOR TO NOTIFY CITY 24 HOURS IN ADVANCE.
   - B. COPY OF CCONTRACTORS MATERIAL AND TEST CERTIFICATE TO OWNER.
   - C. ONE INSIDE AND ONE OUTSIDE ALARM BELL. PROVIDE ALL ELECTRICAL WIRING AND WIRING TO ALARM PANELS,
   - D. WATER FLOW SWITCH. ELECTRICAL WIRING AND ALARM BY ELECTRICAL CONTRACTOR.
   - E. AUXILIARY DRAINS ON ALL TRAPPED PIPING.
   - F. 2" MAIN DRAIN-TO DISCHARGE OUTSIDE, OR TO A DRAIN CAPABLE OF ACCEPTING THE FLOW.
   - G. HYDRAULIC PLACARDS-TO BE MOUNTED ON RISER.
   - H. SPARE HEAD CABINET WITH SPRINKLERS OF EACH TYPE.
   - I. BALL DRIP ON FIRE DEPARTMENT CONNECTION.
   - G. INSPECTORS TEST CONNECTION (IF REQUIRED) TO DISCHARGE OUTSIDE, OR TO A DRAIN CAPABLE OF ACCEPTING THE FLOW.
   - K. IT IS THE INTENT OF THESE NOTES AND DRAWINGS TO COMPLY WITH ALL APPLICABLE AND PAMPHLETS OF N.F.P.A. AND CITY OF CHICAGO, ALL OF WHICH ARE AS FULLY A PART OF THIS DRAWING AS IF HEREIN SET OUT VERBATIM OR, IF NOT ATTACHED AS IF HERETO ATTACHED.

AUTOMATIC SPRINKLER SCHEDULE

SYMBOL	MANUFACTURE MODEL NO.	TYPE	TEMP.	FINISH SPRK.	FINISH CANOPY	REMARKS
	CENTRAL MODEL GB-QR	UPRIGHT	155° 200°	BRASS	–	UL/FM APPROVED QUICK-RESPONSE
	CENTRAL ROYAL FLUSH (GB4-FR)	CONCEALED	155° 200°	BRASS	CHROME OR WHITE COVER PLATE	UL/FM APPROVED QUICK-RESPONSE
	CENTRAL MODEL GB-QR	RECESSED	155° 200°	CHROME	CHROME GB RES. OR RECESSED ESCUTCHEON	UL APPROVED QUICK-RESPONSE
	CENTRAL MODEL GB-LO 17/32	EXTENDED COVERAGE HORIZONTAL SIDEWALL	135°	CHROME	CHROME MODLE 65 FLAT ESCUTCHEON	UL APPROVED QUICK-RESPONSE

FIRE PROTECTION SYMBOL LIST

- FP — NEW PIPING
- FP — EXISTING PIPING
- PIPE ELBOW DOWN
- PIPE ELBOW UP
- PIPE TEE DOWN
- CONNECTION TO EXISTING



1 ENLARGED CONFERENCE ROOM 167-B FIRE PROTECTION PLAN
SCALE: 1/4" = 1'-0"

N W E S

Revisions		Date
7		
6		
5		
4		
3	100% SUBMITTAL	12/07/11
2	95% SUBMITTAL	08/24/11
1	50% SUBMITTAL	05/16/11

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Drawing Title: FIRE PROTECTION SCHEDULES AND NOTES
Solicitation No:
Project Title: INSTALL FIRE WALL AND CONFERENCE ROOM
Date: AUGUST 24, 2011
Project No. 796-11-0006
Building No. 37
Checked
Drawn
Location: VA SERVICE AND DISTRIBUTION CENTER HINES, ILLINOIS 60141
DRAWING NO. FP01
Dwg. Of -

Office of Facilities
Department of Veterans Affairs

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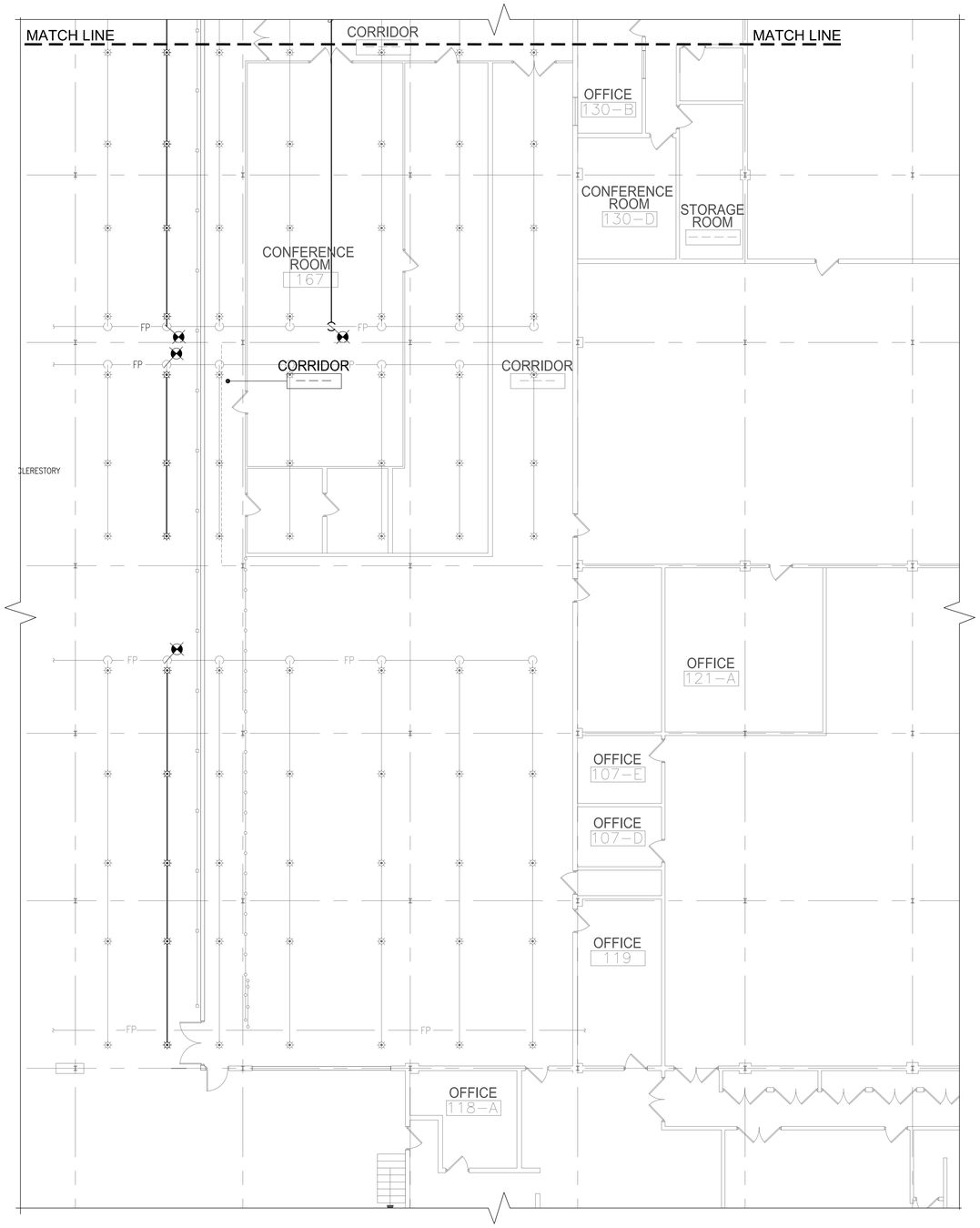
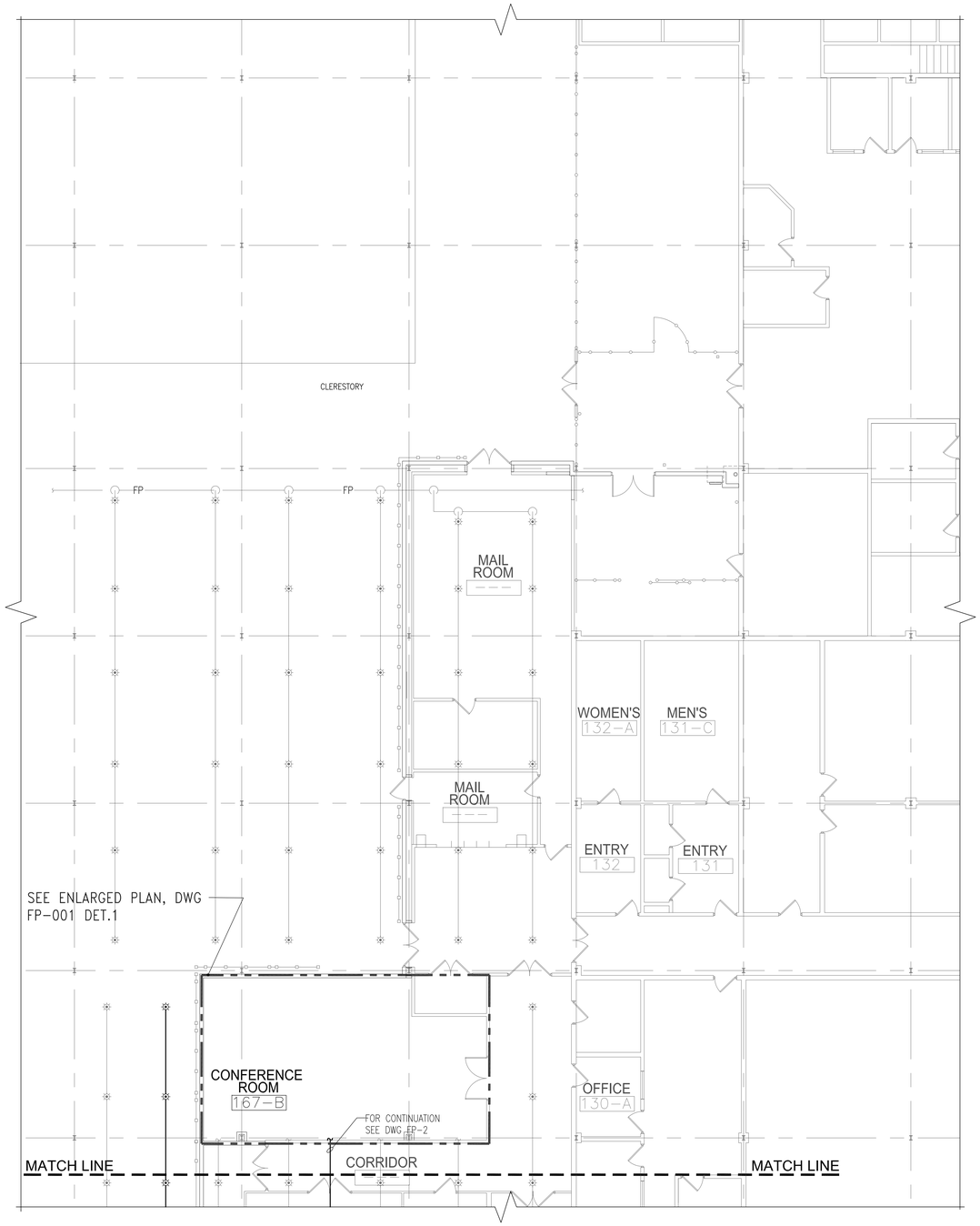


2 FP-1 FIRE PROTECTON FLOOR PLAN (NORTH)
SCALE: 1/8"=1'-0"



1 FP-1 FIRE PROTECTION FLOOR PLAN (SOUTH)
SCALE: 1/8"=1'-0"

Revisions		Date
7		
6		
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3	100% SUBMITTAL	12/07/11
2	95% SUBMITTAL	08/24/11
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Drawing Title: **FIRE PROTECTION FIRST FLOOR PLAN**
Solicitation No:
Project Title: INSTALL FIRE WALL AND CONFERENCE ROOM
Date: AUGUST 24, 2011
Project No. 796–11–0006
Building No. 37
Checked
Drawn
Location: VA SERVICE AND DISTRIBUTION CENTER HINES, ILLINOIS 60141
DRAWING NO. FP 1
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GENERAL NOTES:

A. DRAWINGS ARE DIAGRAMMATIC AND ARE A GRAPHIC REPRESENTATION OF REQUIREMENTS INTENDED TO CONVEY THE SCOPE OF WORK AND TO INDICATE THE GENERAL ARRANGEMENT OF DEVICES AND EQUIPMENT.

B. LOCATION OF ITEMS NOT FIXED BY DIMENSIONS ARE APPOXIMATE ONLY AND EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS SHALL BE DETERMINED AT THE SITE AND SHALL BE SUBJECT TO REVIEW.

C. CONTRACTOR SHALL PREPARE AND SUBMIT PLANS FOR SPECIFIC EQUIPMENT AS REQUIRED BY THE FOLLOWING SECTIONS OF THE CITY OF CHICAGO BUILDING CODE:

14–16–630 SERVICE SWITCHBOARDS (& B.M.B. VOL. 55 #6)
14–48–010 EXIT & EMERGENCY SYSTEMS (& B.M.B. VOL 51 #2)

D. CONTRACTOR SHALL PREPARE AND SUBMIT EXIT AND EMERGENCY LIGHTING DRAWINGS TO THE BUREAU OF FIRE PREVENTION IN ACCORDANCE WITH THE B.F.P. PROCEDURE FOR EXIT AND EMERGENCY LIGHTING PLAN REVIEW.

E. MINIMUM BRANCH CIRCUIT WIRE SHALL BE #12 AWG. WHERE THE FARTHEST OUTLET ON A CIRCUIT IS MORE THAN 75 FEET FROM PANELBOARD, INCREASE WIRE SIZE TO #10 AWG. MINIMUM CONDUIT HOMERUN SIZE SHALL BE 3/4".

F. DRAWING INDICATE LOCATIONS AND CIRCUIT NUMBERS OF DEVICES AND EQUIPMENT. CONTRACTOR SHALL PROVIDE BRANCH CIRCUIT WIRING AND HOMERUN FROM DEVICE/EQUIPMENT TO PANELBOARD INDICATED.

G. CONTRACTOR SHALL COORDINATE WORK WITH ALL UTILITY/SERVICE PROVIDERS INCLUDING COMED, AMERITECH, PRIME CABLE, AND THE BUREAU OF ELECTRICITY.

H. LOCATIONS OF LIGHTING FIXTURES ON PLAN DRAWINGS ARE APPROXIMATE. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS.

I. CONTRACTOR SHALL COORDINATE LIGHTING FIXTURE INSTALLATION WITH DUCTWORK AND OTHER MECHANICAL EQUIPMENT. WHERE FIXTURE PENDANTS INTERFERE WITH OTHER TRADES, CONTRACTOR SHALL PROVIDE ALL SUPPORTING DEVICES AND HARDWARE NECESSARY TO MOUNT THE FIXTURE AT THE SPECIFIED LOCATION AND MOUNTING HEIGHT.

J. WHERE CONTROL STATIONS ARE SHOWN FOR LIGHTING CONTACTORS, CONTRACTOR SHALL PROVIDE NECESSARY CONTROL WIRING FROM THE STATION TO THE CONTACTOR IN THE PANELBOARD INDICATED.

K. ALL WIRING SHALL BE CONCEALED IN WALLS, AND ABOVE SUSPENDED CEILINGS.

L. CONTRACTOR SHALL CHECK CAREFULLY ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS THAT ARE PART OF THIS PROJECT TO INSURE THAT NO FIXTURES, OUTLET, OR CONTROL AND POWER WIRING IS OMITTED. COORDINATE WITH EQUIPMENT SUPPLIERS AND OBTAIN REQUIRED INFORMATION FOR A COMPLETE INSTALLATION. ALL WIRING, CONTROL STATIONS, ETC. SHALL BE PROVIDED TO OBTAIN A FULLY OPERATIONAL SYSTEM.

M. ALL ISOLATED GROUND RECEPTACLES ARE TO BE CIRCULATED TO THE TECHNOLOGY PANEL (ETC.) INDICATED WITH AN ISOLATED GROUND CONDUCTOR.

GENERAL DEMOLITION NOTES:

A. DRAWINGS ARE DIAGRAMMATIC AND ARE A GRAPHIC REPRESENTATION OF REQUIREMENTS INTENDED TO CONVEY THE SCOPE OF WORK AND TO INDICATE THE GENERAL ARRANGEMENT OF DEVICES AND EQUIPMENT.

B. LOCATION OF ITEMS NOT FIXED BY DIMENSIONS ARE APPROXIMATE ONLY AND AND EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS SHALL BE DETERMINED AT THE SITE AND SHALL BE SUBJECT TO REVIEW.

C. THE EXISTING SYSTEM DEVICES SHALL REMAIN IN OPERATION DURING CONSTRUCTION.

D. THE DATA CABLES AND DEVICES SHALL BE REMOVED AFTER THE NEW SYSTEM IS INSTALLED, TESTED AND ACCEPTED.

E. ALL ABANDONED, EXPOSED RACEWAYS, CONDUCTORS AND DEVICES SHALL BE REMOVED. ALL CONCEALED RACEWAYS SHALL BE CAPPED AND JUNCTION BOXES SHALL BE COVERED.

SYMBOLS LIST

DISTRIBUTION/SINGLE LINE DIAGRAM

- TR–1 — TRANSFORMER
- A — CIRCUIT BREAKER *_____ A" INDICATES TRIP RATING/SETTING (AMPS)
- A, A — FUSIBLE SWITCH *_____ A" INDICATES DISCONNECT TRIP RATING AND FUSE SIZE, RESPECTIVELY (AMPS)
- GROUND
- BRANCH CIRCUIT PANELBOARD
- DISTRIBUTION PANELBOARD
- TR — TRANSFORMER
- M — ELECTRIC UTILITY METER
- NON–FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- LIGHTING CONTACTOR
- MOTOR STARTER
- COMBINATION STARTER/DISCONNECT SWITCH
- ELECTRICAL TERMINATION
- 10 — MOTOR – NUMBER INDICATES HORSEPOWER
- MOTOR/EQUIPMENT TAG (SEE MOTOR/EQUIPMENT WIRING SCHEDULE)

WIRING DEVICES

- $ — SINGLE POLE TOGGLE SWITCH
- $3W — THREE–WAY SWITCH
- $T — THERMAL OVERLOAD SWITCH
- $K — KEY–OPERATED SWITCH
- $ — HEAVY DUTY SWITCH
- CKT. — DUPLEX RECEPTACLE CKT. – CIRCUIT NUMBER
- QUAD OUTLET RECEPTACLE
- IG — ISOLATED GROUND QUAD OUTLET RECEPTACLE
- QUAD OUTLET RECEPTACLE – ABOVE COUNTER
- SPECIAL PURPOSE RECEPTACLE – 208VAC, 240 VAC
- CLOCK RECEPTACLE
- RECEPTACLE IN FLOOR PEDESTAL
- DUPLEX RECEPTACLE IN FLUSH FLOOR BOX

LIGHTING

- 13 F1 a — CIRCUIT NUMBER; FIXTURE TYPE; SWITCH DESIGNATION
- 2' x 4' FLUORESCENT FIXTURE
- 2' x 4' FLUORESCENT EMERGENCY FIXTURE
- 2' x 2' FLUORESCENT FIXTURE
- 2' x 2' FLUORESCENT EMERGENCY FIXTURE
- HID CEILING–MOUNTED FIXTURE
- INCANDESCENT OR FLUORESCENT CEILING–MOUNTED FIXTURE
- INCANDESCENT OR FLUORESCENT CEILING–MOUNTED EMERGENCY FIXTURE
- INCANDESCENT OR FLUORESCENT WALL–MOUNTED FIXTURE
- WALL–MOUNTED EMERGENCY FIXTURE
- EXIT – SINGLE–FACED, CEILING–MOUNTED
- EXIT – DOUBLE–FACED, CEILING–MOUNTED
- EXIT – SINGLE–FACED, WALL–MOUNTED
- EXIT – DOUBLE–FACED, WALL–MOUNTED
- EXIT ARROW – ONE WAY
- EXIT ARROW – TWO WAYS
- LIGHT SENSOR PASSIVE INFRARED OCCUPANCY SENSOR W/ CEILING MOINTED, 360° COVERAGE "THE WATT STOPPER CI–200 OR APPROVED EQUAL"

ALARMS & COMMUNICATIONS

- CR — CARD READER
- CO — CARBON MONOXIDE DETECTOR
- E — RESCUE ASSISTANCE CALL STATION
- EM — RESCUE ASSISTANCE MASTER STATION
- VOICE OUTLET
- DATA OUTLET
- W — WALL MOUNTED VOICE OUTLET
- CCTV — OUTLET BOX FOR FUTURE CAMERA
- CCTV M — OUTLET BOX FOR FUTURE CCTV MONITORS
- PB — PULLBOX
- HD — AUTOMATIC HANDCAPPED DOOR OPENING
- NURSE CALL STATION
- CCTV CAMERA
- TV — TELEVISION OUTLET

LEGENDS:

HALF TONE LINES:	DENOTES BACKGROUND
SOLID THIN LINES:	DENOTES DEVICES, EQUIPMENT, ETC. EXISTING TO REMAIN
HEAVY SOLID LINES:	DENOTES NEW OR RELOCATED DEVICES, EQUIPMENT, ETC.
HEAVY DASHED LINES:	DENOTES DEVICES, EQUIPMENT, ETC. EXISTING TO BE REMOVED

RACEWAYS & WIRING

- PHASE, NEUTRAL, GROUND
- CONDUIT – SURFACE MOUNTED OR CONCEALED
- CONDUIT UNDERFLOOR OR UNDERGROUND
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- FLEXIBLE CONDUIT
- JUNCTION BOX
- JUNCTION BOX – WALL MOUNTED
- JUNCTION BOX UNDER FLOOR
- PB — PULLBOX

PANELBOARD NAMING CONVENTION

LP–2A: ZONE, FLOOR, TYPE

TYPE

DP –	DISTRIBUTION PANEL
LP –	LIGHTING & RECEPTACLE BRANCH CIRCUIT PANELBOARD
PP –	POWER PANELBOARD
TP –	TECHNOLOGY PANELBOARD (ISOLATED GROUND)

- S – EXISTING SPEAKER
- E – EXISTING LIGHT FIXTURE
- CCTV E – EXISTING CCTV CAMERA
- E – EXISTING RECEPTACLE
- E – EXISTING BATTERY PACK UNIT
- EXISTING EXIT SIGN
- $ – EXISTING ELECTRICAL SWITCH
- A/C – EXISTING A/C UNIT
- KP – EXISTING KEYPAD
- OS – OCCUPANCY SENSOR
- T – THERMOSTAT

ABBREVIATIONS

A –	AMPS
AFF –	ABOVE FINISHED FLOOR
A/C –	AIR CONDITIONING
ATS –	AUTOMATIC TRANSFER SWITCH
BLDG –	BUILDING
BPS –	BOLTED PRESSURE SWITCH
C –	CONDUIT
CKT –	CIRCUIT
COL –	COLUMN
CB –	CIRCUIT BREAKER
CLG –	CEILING
CP –	CONTROL PANEL
CR –	CONTACT RELAY
CU –	COPPER
CT –	CURRENT TRANSFORMER
DIA –	DIAMETER
DN –	DOWN
ELECT –	ELECTRIC, ELECTRICAL
EWC –	ELECTRIC WATER COOLER
EMER –	EMERGENCY
F/O –	FIBER OPTIC
FDR –	FEEDER
F –	FUSE
FLR –	FLOOR
FIXT –	FIXTURE
FVNR –	FULL VOLTAGE, NON REVERSING (MAGNETIC STARTER)
GFI –	GROUND FAULT INTERRUPTER
GFR –	GROUND FAULT RELAY
GRD –	GROUND
HID –	HIGH INTENSITY DISCHARGE
HP –	HORSEPOWER
IG –	ISOLATED GROUND
LTG –	LIGHTING
M –	MOTOR
MCB –	MAIN CIRCUIT BREAKER
MCC –	MOTOR CONTROL CENTER
MCP –	MAXIMUM CIRCUIT PROTECTION
MLO –	MAIN LUGS ONLY
MTD –	MOUNTED
MECH –	MECHANICAL
MOCP –	MAIN OVERCURRENT PROTECTION
N –	NEUTRAL
N/A –	NOT APPLICABLE
NC –	NORMALLY CLOSED
NIC –	NOT IN CONTRACT
NO –	NORMALLY OPEN
NTS –	NOT TO SCALE
O/H –	OVERHEAD
OL –	OVER LOAD
PB –	PUSHBUTTON
PNL –	PANEL
PRI –	PRIMARY
PT –	POTENTIAL TRANSFORMER
S –	SWITCH
SEC –	SECONDARY
SWBD –	SWITCHBOARD
SWGR –	SWITCHGEAR
TR –	TRANSFORMER
TTB –	TELEPHONE TERMINAL BOARD
TVSS –	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UPS –	UNINTERRUPTIBLE POWER SUPPLY
V –	VOLTS
VFD –	VARIABLE FREQUENCY DRIVE
WG –	WIRE GUARD
WP –	WEATHERPROOF
WW –	WIREWAY
W –	WATTS

FIRE ALARM SYMBOLS

A	EXISTING AUDIBLE ALARM DEVICE TO BE REMOVED
A	NEW AUDIBLE ALARM DEVICE
V	EXISTING VISUAL ALARM DEVICE TO BE REMOVED
V	NEW VISUAL ALARM DEVICE (PER FIRE PREVENTION)
AV	AUDIO/VISUAL DEVICE
D	EXISTING HEAT DETECTOR TO BE REMOVED
D	HEAT DETECTOR (135 DEG. FIXED TEMP./RATE OF RISE), DIFFERENT TEMPERATURE NOTED; FIXED TEMPERATURE NOTED.
DD	HVAC DUCT SMOKE DETECTOR (U.L. 268A).
SD	EXISTING SYSTEM SMOKE DETECTOR TO BE REMOVED
SD	SYSTEM SMOKE DETECTOR (U.L. 268).
S	EXISTING MANUAL PULL STATION TO BE REMOVED
S	MANUAL PULL STATION
CO	120V CO DETECTOR CONNECT TO NEAREST LIGHTING CIRCUIT FOR LOCAL ALARM
FAAP	EXISTING FIRE ALARM ANNUNCIATOR PANEL TO BE REMOVED
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAA	REMOTE ANNUNCIATOR PANEL
EOL	END OF LINE RESISTOR OF A CIRCUIT
FA	AUTO–DIALER
TB	TROUBLE BELL WITH TEST AND SILENCE SWITCH WITH LAMP (FATB–FIRE ALARM TROUBLE BELL, CTTB–CITY TIE TROUBLE BELL)
CBT	CITY FIRE ALARM BOX TIE AND DISCONNECT PANEL
DTU	DATA TRANSMISSION UNIT(ADDRESSABLE/MULTIPLEX) FOR CONNECTION TO DUMB DEVICES FOR REPORTING FUNTIONS OF ALARM OR STATUS
CBC	CHICAGO BUILDING CODE BOX
DC	DOOR CONTACT
ES	ELECTRIC DOOR STRIKE F & I 120V. TO 24V TRANSFORMER FOR DOOR STRIKE AND WIRE COMPLETE. PROVIDE KEY OPERATED OVERRIDE SWITCH FOR DOORS.

Revisions		Date
7		
6		
5		
4		
3	100% SUBMITTAL	12/07/11
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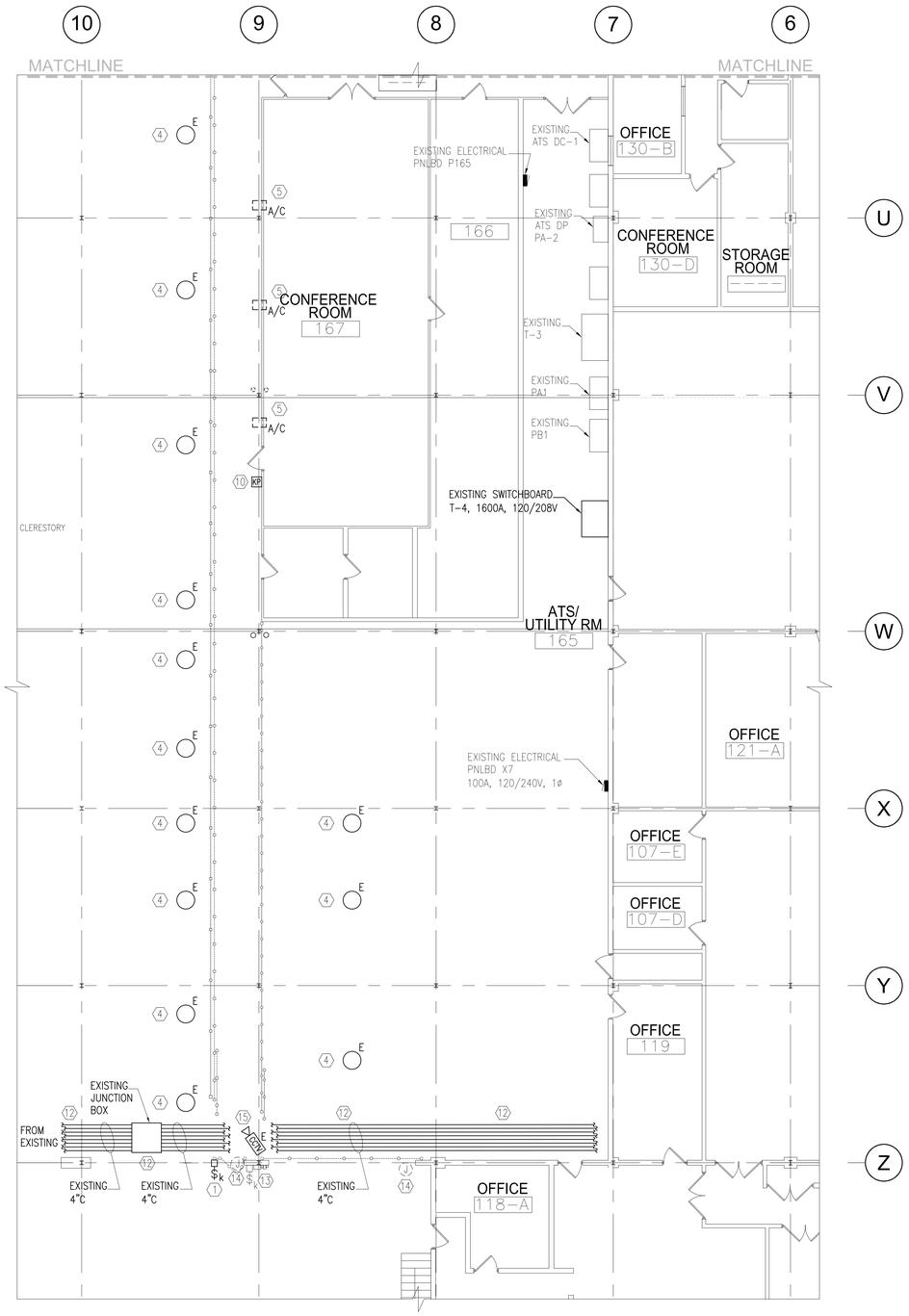
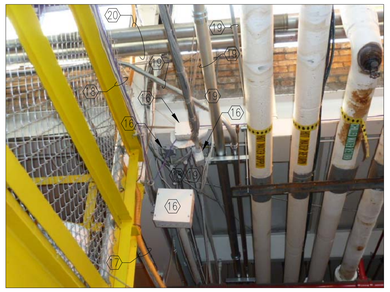
Drawing Title: GENERAL ELECTRICAL NOTES AND SYMOLS
Solicitation No:
Project Title: INSTALL FIRE WALL AND CONFERENCE ROOM
Date: APRIL 20, 2011
Project No. 796–11–0006
Building No. 37
Checked
Drawn
Location: VA SERVICE AND DISTRIBUTION CENTER HINES, ILLINOIS 60141
DRAWING NO. E001
Dwg. _ Of _

Office of Facilities
Department of Veterans Affairs



2 DE1 PARTIAL FIRST FLOOR ELECTRICAL DEMOLITION PLAN (SOUTH)
SCALE: 1/8"=1'-0"



P1 DE1 PHOTO DETAIL
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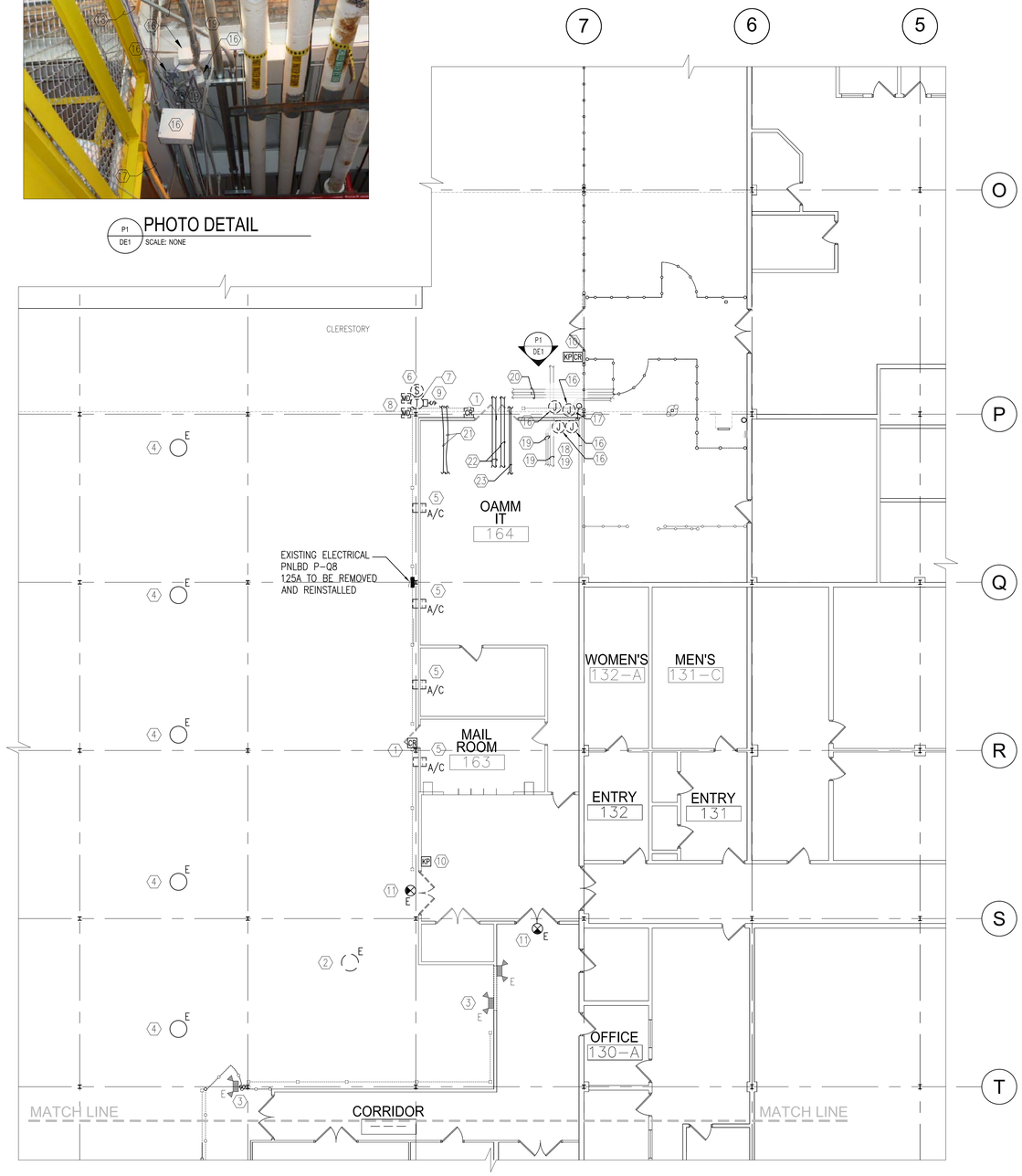

1 DE1 PARTIAL FIRST FLOOR ELECTRICAL DEMOLITION PLAN (NORTH)
SCALE: 1/8"=1'-0"

KEY NOTES:

1. EXISTING G.E. CARD READER TO BE REMOVED AND REINSTALLED.
2. EXISTING LIGHT FIXTURE TO BE REMOVED.
3. EXISTING EM BATTERY PACK AND SWITCH TO BE RELOCATED.
4. EXISTING LIGHT FIXTURE TO REMAIN.
5. EXISTING WINDOW A/C UNIT TO BE REMOVED.
6. EXISTING SPEAKER TO BE REMOVED AND REINSTALLED.
7. EXISTING THERMOSTAT TO BE REMOVED AND REINSTALLED.
8. EXISTING MOTION DETECTOR TO BE REMOVED AND REINSTALLED.
9. EXISTING MANUAL STARTER SWITCH TO BE REMOVED AND REINSTALLED.
10. EXISTING A.D.T. KEYPAD AND G.E. CARD READER TO REMAIN.
11. EXISTING EXIT SIGN TO REMAIN.
12. EXISTING CONDUITS AND JUNCTION BOX TO REMAIN.
13. EXISTING ELECTRICAL EQUIPMENT TO REMAIN.
14. EXISTING JUNCTION BOX TO BE REMOVED AND REINSTALLED.
15. EXISTING CCTV CAMERA TO REMAIN.
16. EXISTING JUNCTION BOX TO BE REMOVED AND REINSTALLED TO ALLOW ACCESS FROM THE SOUTH.
17. PROVIDE PROPER PENETRATION FOR EXISTING INNER DUCT.
18. COMBINE INTO ONE PIPE PENETRATION SLEEVE ALL EXISTING WIRINGS. VERIFY IN FIELD.
19. PROVIDE PENETRATION SLEEVE/S ALL EXISTING PIPES. VERIFY IN FIELD.
20. EXISTING PIPE TO REMAIN.
21. EXISTING CABLES TO REMAIN.
22. EXISTING TWO (2) 4"C TO REMAIN.
23. EXISTING 2 1/2"C TO REMAIN.

Revisions		Date
7		
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3	100% SUBMITTAL	12/07/11
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Drawing Title: PARTIAL 1st FLR ELECTRICAL DEMOLITION PLAN

Solicitation No:

Project Title: INSTALL FIRE WALL AND CONFERENCE ROOM

Date: APRIL 20, 2011

Project No. 796-11-0006

Building No. 37

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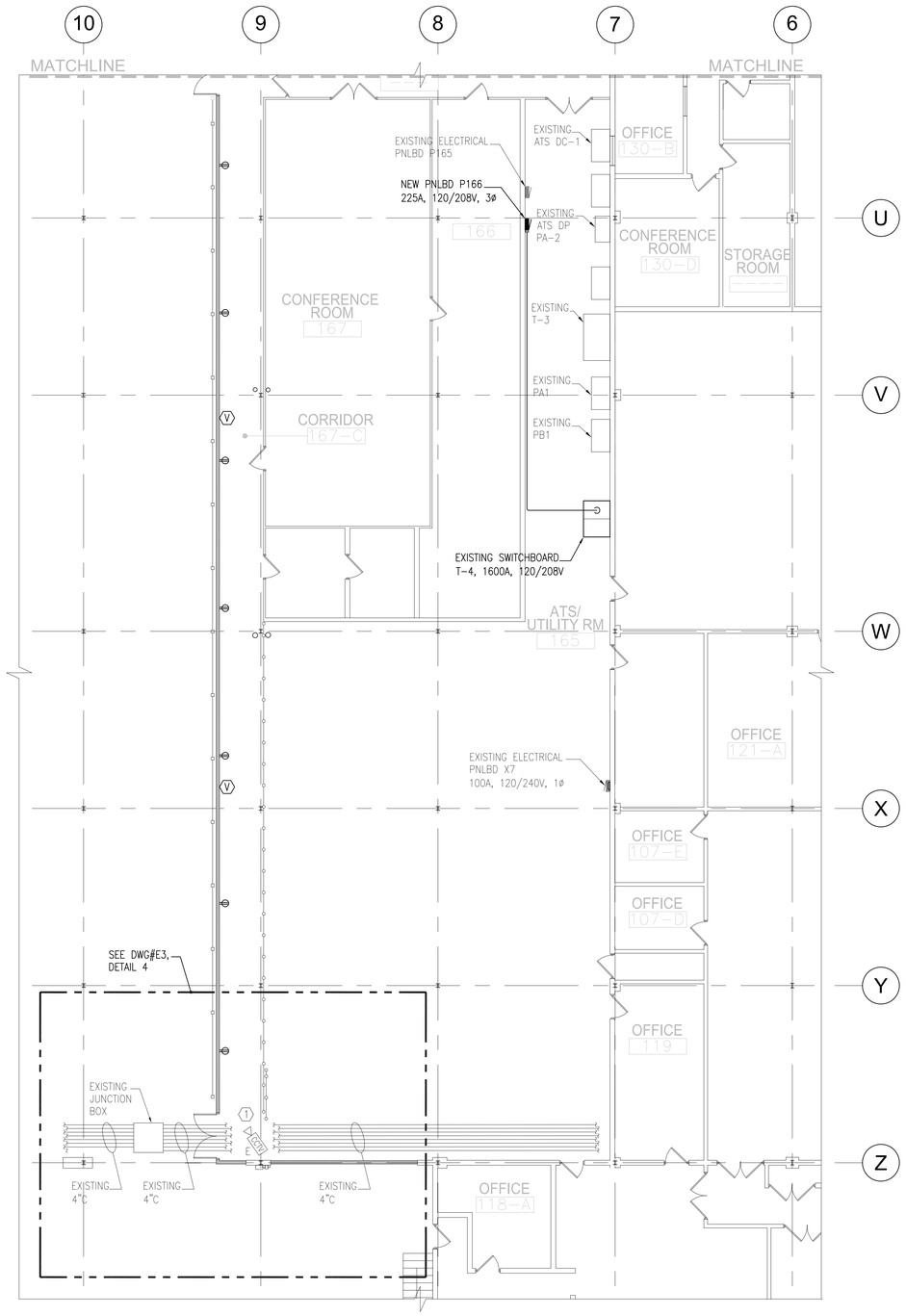
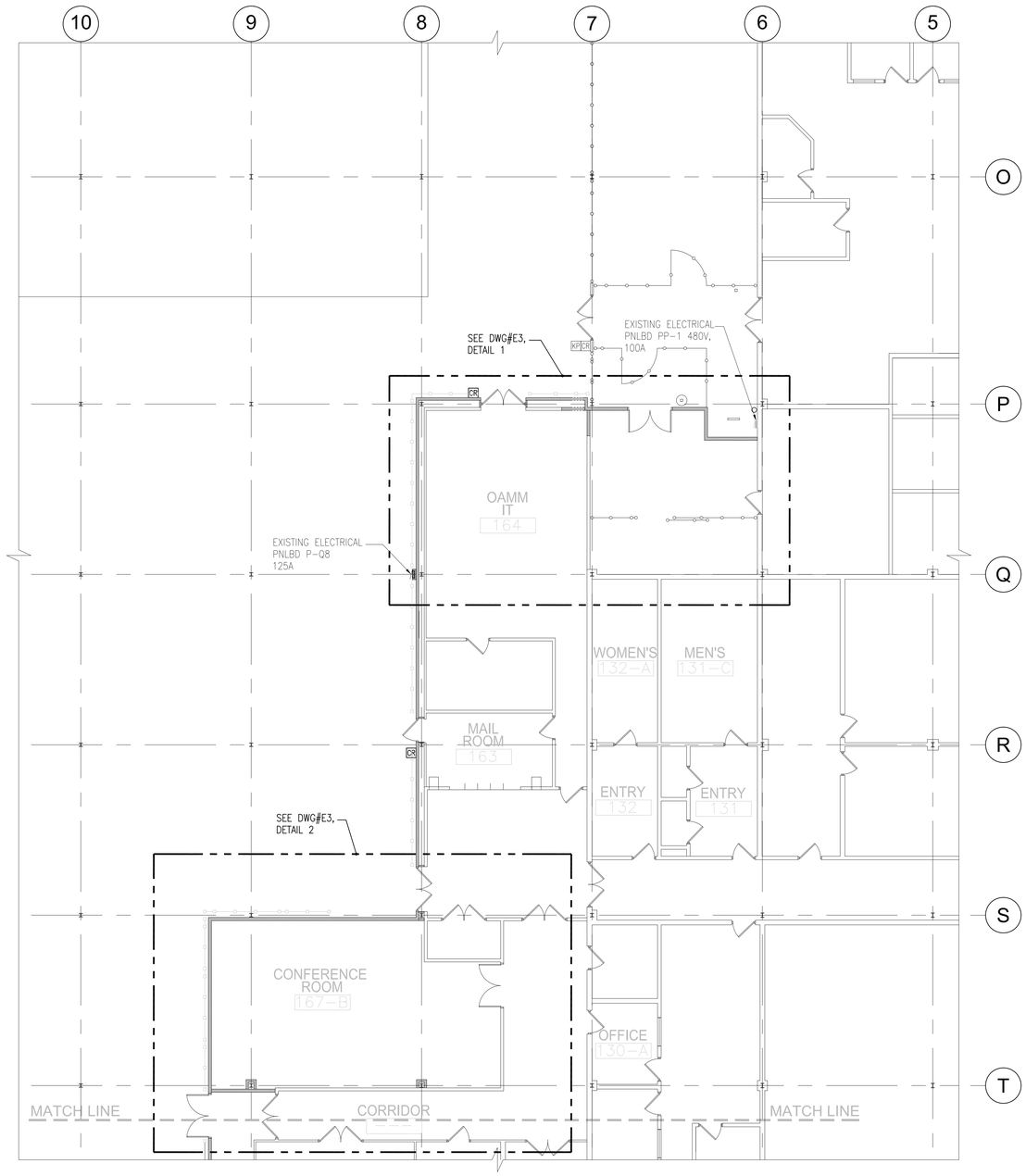


2 E-1 PARTIAL FIRST FLOOR POWER AND COMMUNICATION PLAN (SOUTH)
SCALE: 1/8"=1'-0"



1 E-1 POWER AND COMMUNICATION PLAN (NORTH)
SCALE: 1/8"=1'-0"

KEY NOTES:

1 EXISTING CCTV TO REMAIN.

Revisions		Date
7		
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Drawing Title: PARTIAL 1st FLR POWER AND COMMUNICATION PLAN

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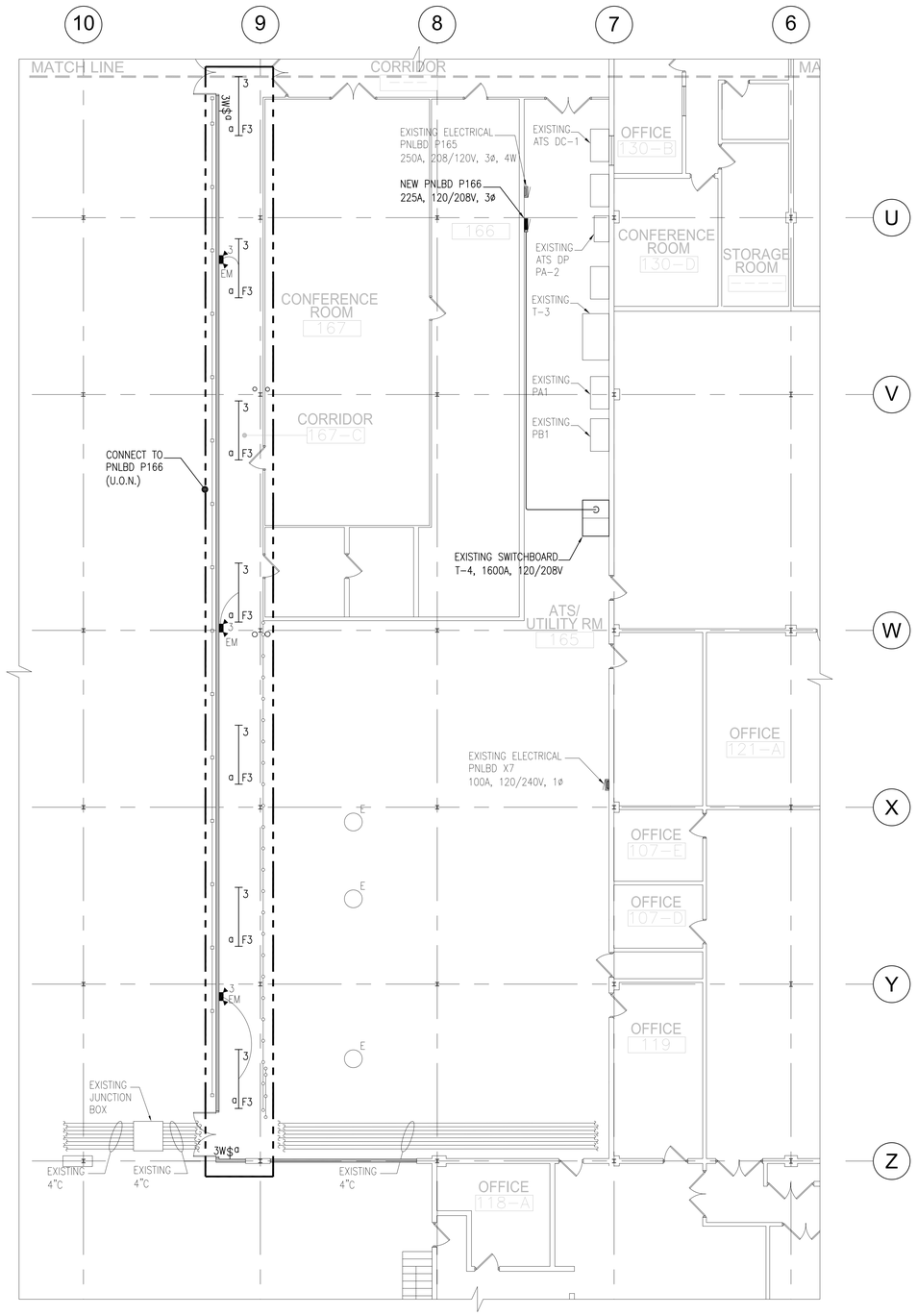
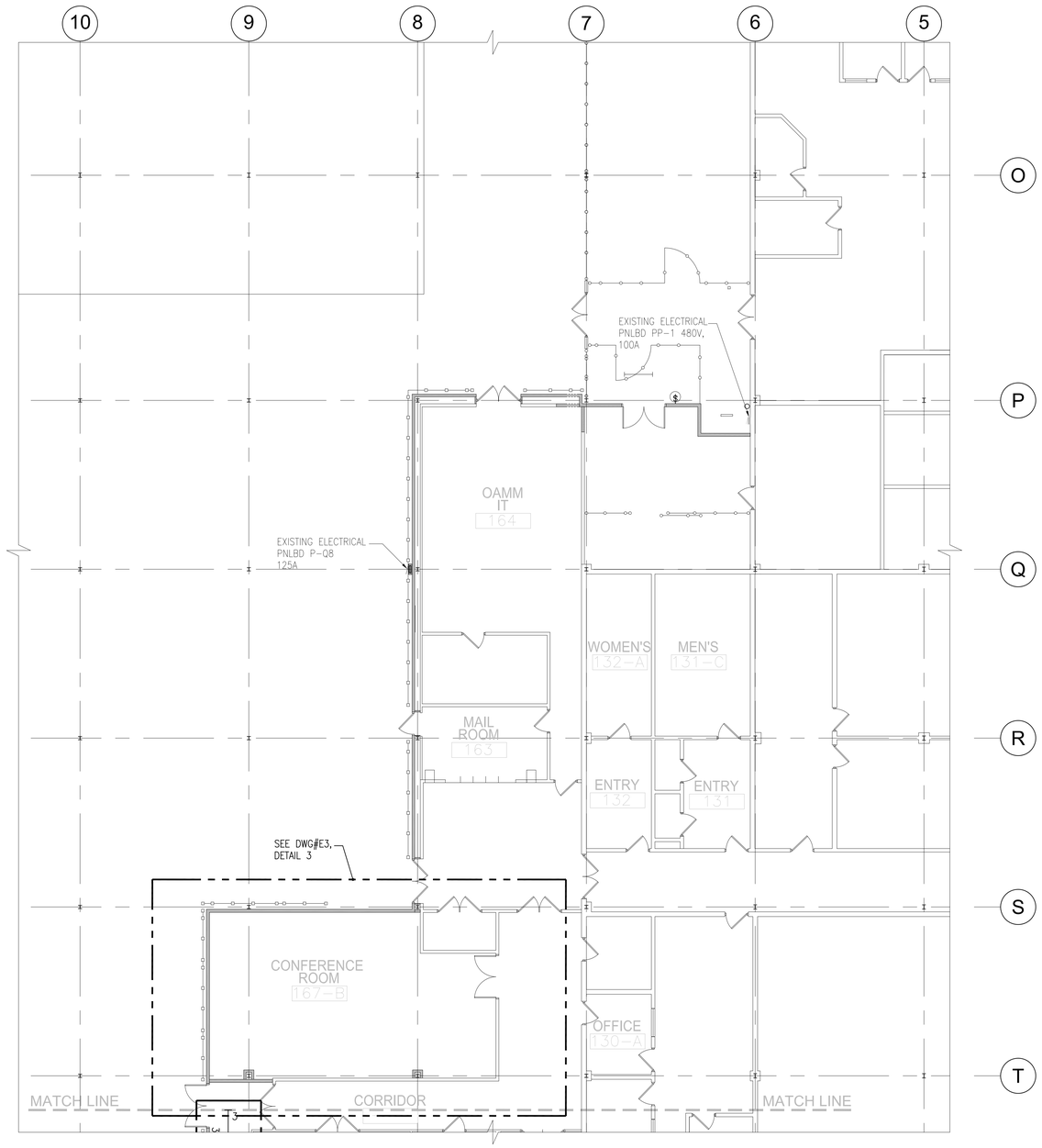


2 E-2 ELECTRICAL LIGHTING PLAN (SOUTH)

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



1 E-2 ELECTRICAL LIGHTING PLAN (NORTH)

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

NOTE:

1. CONNECT NEW LIGHTS TO THE EXISTING MASTER SWITCHING SYSTEM FOR THE AREA.

Revisions		Date
7		
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Drawing Title: **PARTIAL 1st FLR ELECTRICAL LIGHTING PLAN**

Solicitation No:

Project Title: INSTALL FIRE WALL AND CONFERENCE ROOM

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Location: VA SERVICE AND DISTRIBUTION CENTER HINES, ILLINOIS 60141

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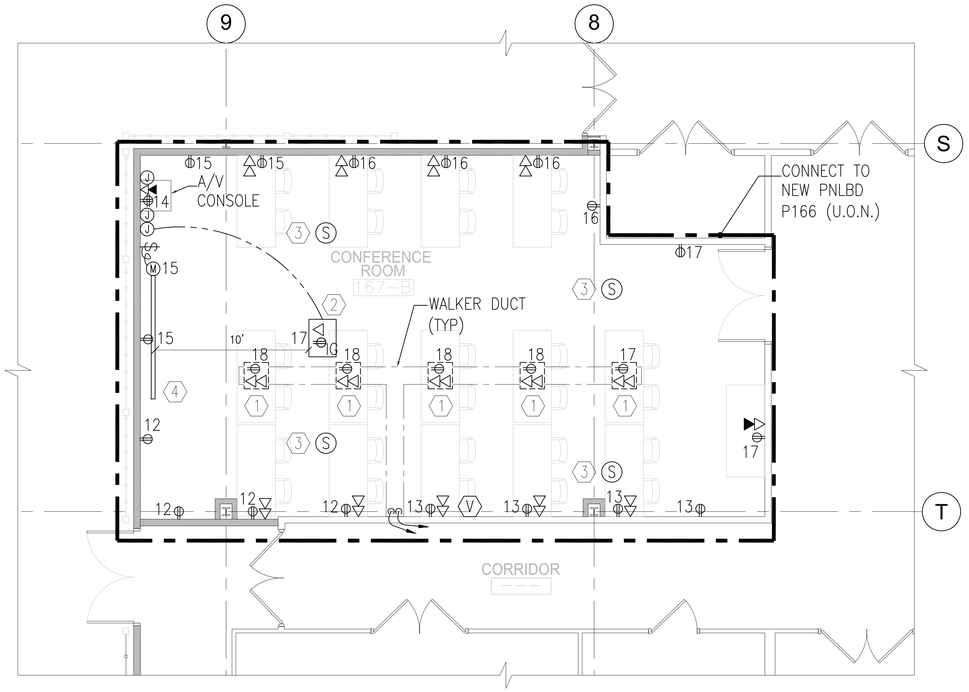
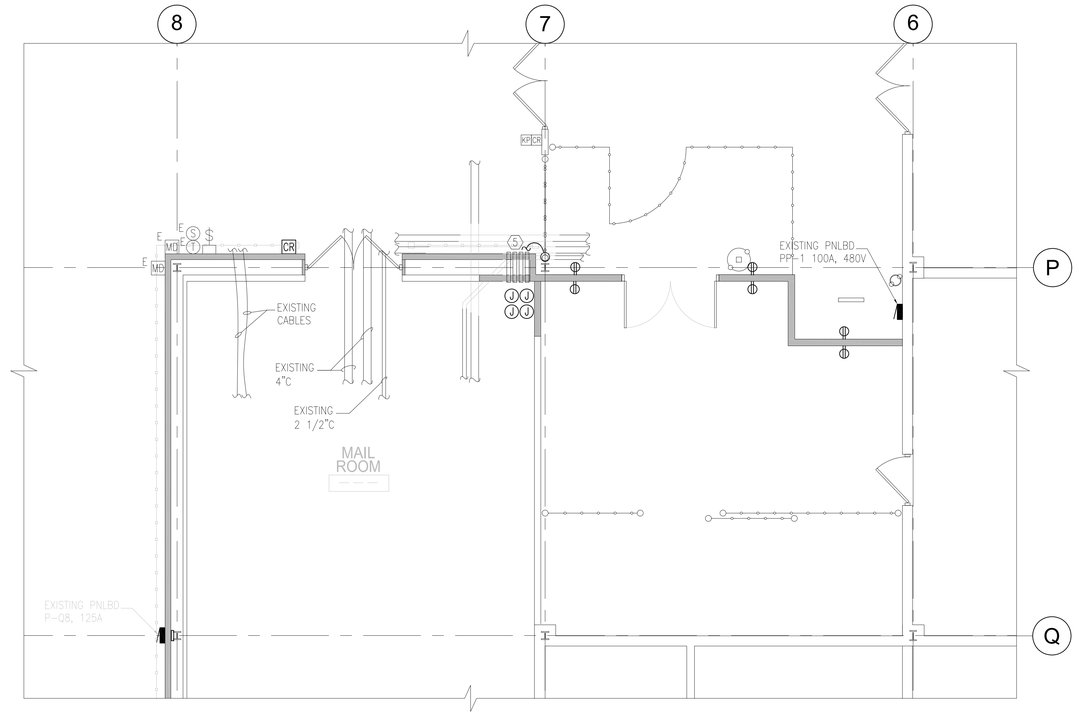
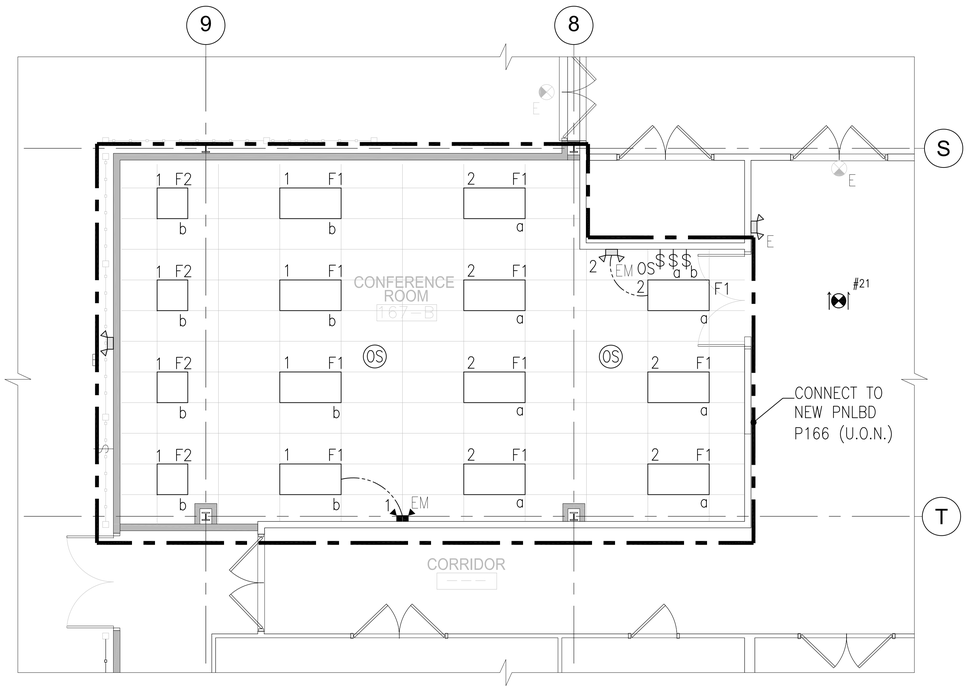


2 E3 ENLARGED CONFERENCE RM#167-B POWER AND COMMUNICATION PLAN
SCALE: 1/4"=1'-0"



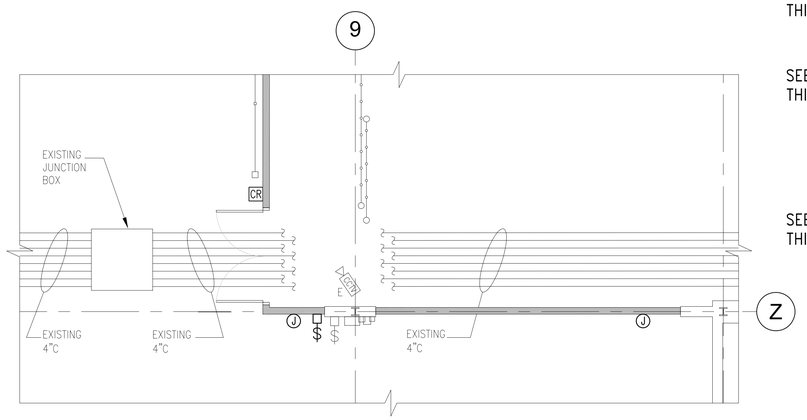
1 E3 ENLARGED ELECTRICAL PLAN
SCALE: 1/4"=1'-0"



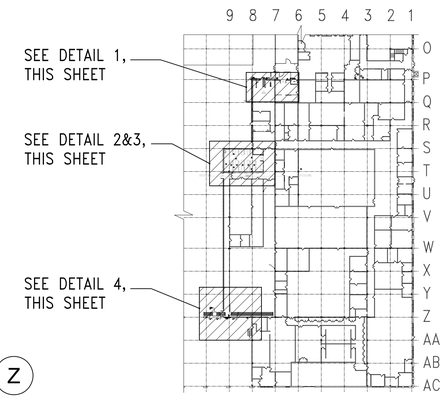
3 E3 ENLARGED CONFERENCE RM#167-B LIGHTING PLAN
SCALE: 1/4"=1'-0"

KEY NOTES:

1. FLOOR BOX: DATE AND POWER OUTLETS.
2. CEILING MOUNTED PROJECTOR.
3. AUDIO SPEAKER LOCATED IN CEILING.
4. MOTORIZED SCREEN WITH WALL SWITCH AND 120V POWER.
5. TYPICAL PENETRATION FOR EXISTING WIRES AND CABLES, VERIFY IN FIELD. PROVIDE PIPE SIZE AND QUANTITY, AS REQUIRED.



4 E3 ENLARGED ELECTRICAL PLAN
SCALE: 1/4"=1'-0"



5 E3 KEY PLAN
SCALE: 1/64"=1'-0"

Revisions		Date
7		
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Drawing Title: PARTIAL 1st FLR ENLARGED ELECTRICAL PLANS

Solicitation No:

Project Title: INSTALL FIRE WALL AND CONFERENCE ROOM

Building No. 37 | Checked | Drawn

Location: VA SERVICE AND DISTRIBUTION CENTER HINES, ILLINOIS 60141

Date: APRIL 20, 2011

Project No. 796-11-0006

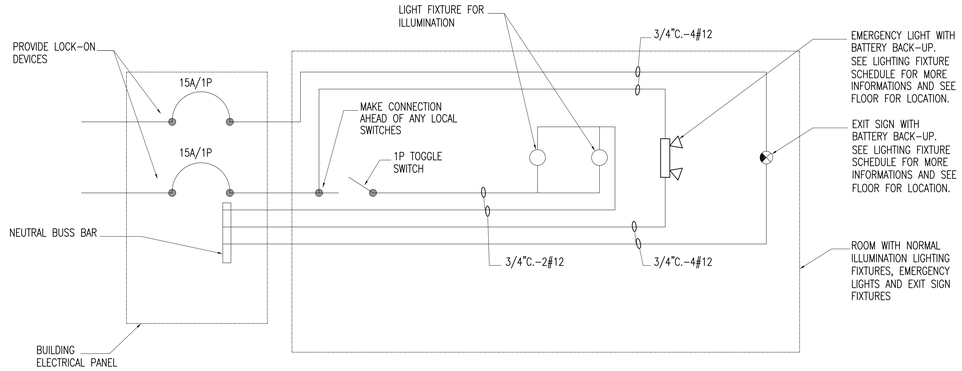
DRAWING NO. E3

Dwg. Of –

Office of Facilities

Department of Veterans Affairs

VA FORM



1 TYPICAL WIRING DIAGRAM FOR EMERGENCY AND EXIT SIGN LIGHT FIXTURES

SCALE: NTS

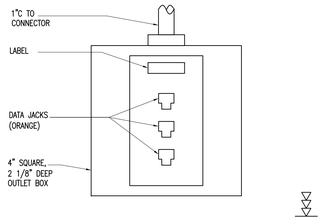
LIGHTING FIXTURE SCHEDULE

TAG	SYMBOL	DESCRIPTION	MANUFACTURER	LAMPS QTY.	LAMPS TYPE	TOTAL WATTS	VOLTAGE	MOUNTING	REMARKS
F1		2'x4' RECESSED INDIRECT LIGHT FIXTURE WITH CENTER BASKET	COOPER LIGHTING-NEORAY FENESTRA 244 SERIES	2	54T5H	108	120	RECESSED	ELECTRONIC BALLAST LENS COVER: CENTER BASKET
F2		2'x2' RECESSED FIXTURE	METALUX 2GR8 SERIES	2	UGT8	61	120	RECESSED	
F3		NEW 8' INDUSTRIAL FLUORESCENT	COOPER EIM-296-120-EB81 LIGHTOLIER TU SERIES- TU-4-S-296-UNV-SO DAY-BRITE 2F-2F-259-PP-120-EB	2	F32T8	112	120	SUSPENDED	WITH WIREGUARD
EM		EM BATTERY PACK	EMERGILITE CCJSM27 - 2H SURELITE XR-6-C LITHONIA ELT24C	2		12W	120	SURFACE	CITY OF CHICAGO APPROVED
EX		EXIT SIGN	EMERGILITE SURELITE LITHONIA	SEE EXIT SIGN LEGEND			120	SURFACE	CITY OF CHICAGO APPROVED W/ OPTIONAL BATTERY PACK

NOTES

1 - BATTERY OPERATED EMERGENCY LIGHT FIXTURES SHALL BE WIRED ON THE SAME BRANCH CIRCUIT SERVING THE NORMAL ILLUMINATION IN THE AREA AND CONNECT AHEAD OF ANY LOCAL SWITCHES. PROVIDE LOCK-ON DEVICE @ PANEL.
2 - MAINTENANCE AND TESTS SHALL BE AS BELOW PER SECTION 18.27.700.66(c)(7) OF CHICAGO CODE.
  a) MAINTENANCE BY COMPETENT TECHNICIANS.
  b) WATER LEVEL CHECK MONTHLY & UNIT TESTING ANNUALLY.
  c) MANUFACTURER WILL FURNISH OPERATION AND MAINTENANCE INSTRUCTIONS.
  d) LOG CARD SHALL BE MOUNTED ON EACH UNIT.
3 - NIGHT LIGHT 'NL' ON 24 HRS WITH LOCK ON DEVICES ON THE C/B.
4 - BATTERY UNIT SHALL BE FED FROM THE LIGHTING CIRCUIT THAT ILLUMINATES THE AREA OF THE BATTERY UNIT.

DATA CABLES AND JACKS SPECIFICATIONS		
1.	CABLES:	A. DATA: ANIXTER CAT. NO. CM-00424CAM-7UB (BELDEN 1872A) 24-4/LEVEL 7 SOL BC PE/PVC N/S MEDIATWIST GRAY JACKET CM
		B. DATA: ANIXTER CAT. NO. CM-00424CAM-7UB-04 (BELDEN 1872A) 24-4/LEVEL 7 SOL BC PE/PVC N/S MEDIATWIST GRAY JACKET CM
2.	JACKS:	DUAL DATA (ANIXTER CAT. NO. 219530) (ORTRONICS OR-60950051) 2-PORT 8W8P UTP L7T568 A/B MODJACK W/110 SERIES II CAT6P GIGAMO+FOG WHT
3.	BLANK MODULE	(ANIXTER CAT. NO. 148027) (ORTRONICS OR-40300164) IMO II BLANK MODULE FOR WHITE
4.	FACE PLATE	(ANIXTER CAT. NO. 148025) (ORTRONICS OR-40300158) ACCEPTS 3 PCB MODULE FOR WHITE



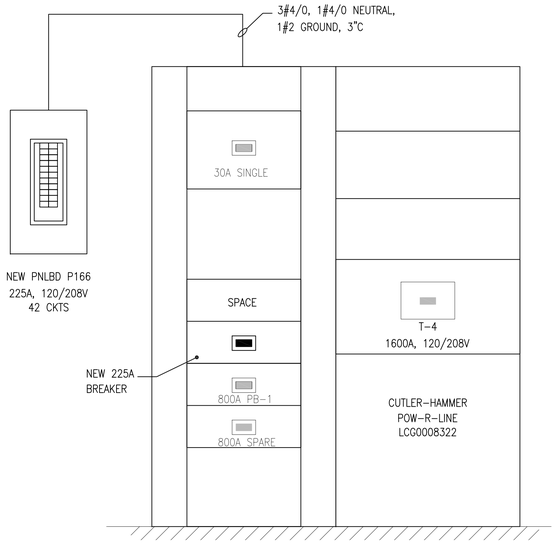
MULTIPLE DATA OUTLETS

6 DATA WORKSTATION OUTLET DETAIL

SCALE: NTS

NOTES:

1. SEE VOICE/DATA SYSTEM SCHEMATIC DIGRAMS FOR CABLING REQUIREMENTS.
2. CONDUIT SHALL NOT BE ROUTED FROM OUTLET BOX TO OUTLET BOX DAISY-CHAINED UNLESS NOTED OTHERWISE.
3. LOCATE OUTLETS ADJACENT TO AND ALIGNED WITH ISOLATED GROUND RECEPTACLES.
4. FOR COMPUTER CLASSROOMS, PROVIDE 1"C FROM EACH GROUP OF 4-5 WORKSTATIONS TO LCE.
5. COLOR CODE FOR CABLE AND JACKS REFER TO SPECIFICATIONS 15740 AND ACE/SCE DETAILS.



5 EXISTING SWITCHBOARD T-4 RISER DIAGRAM

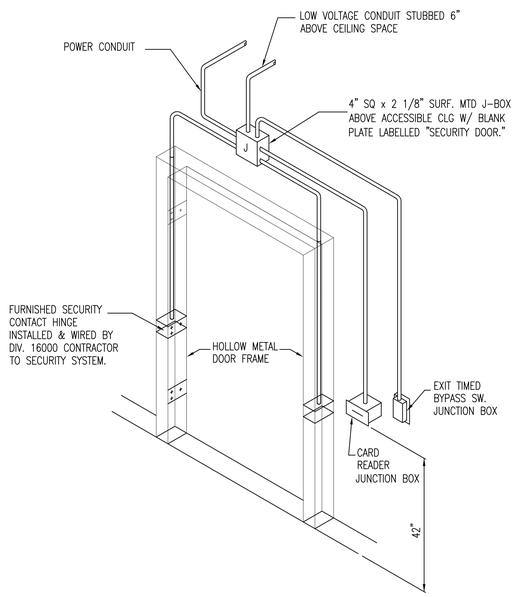
SCALE: NTS

NEW PANELBOARD SCHEDULE

PANEL DESIGNATION: P166 | FLOOR: LOWER LEVEL | PROJECT No.
VOLTAGE: 120/208V | PHASE: 3 | WIRE: 4
MAIN BREAKER: 225A | MAIN LUGS: | FAULT CURRENT RATING: 22,000
REMARKS: NEW

DESCRIPTION	BRKR. AMP./POLE	CcT No.	LEFT SIDE (VA) A	B	C	RIGHT SIDE (VA) A	B	C	CcT No.	BRKR. AMP./POLE	DESCRIPTION
CONFERENCE RM LTS.	20	1	668			742			2	20	CONFERENCE RM LTS.
PASSAGEWAY LTS.	20	3		820			300		4	20	SPARE
SPARE	20	5			300			300	6	20	SPARE
SPARE	20	7	300			300			8	20	SPARE
SPARE	20	9		300			300		10	20	SPARE
SPARE	20	11			300			720	12	20	CONFERENCE RM RECEPT.
CONFERENCE RM RECEPT.	20	13	720			360			14	20	CONFERENCE RM RECEPT.
CONFERENCE RM RECEPT.	20	15		800			720		16	20	CONFERENCE RM RECEPT.
CONFERENCE RM RECEPT.	20	17			540			720	18	20	CONFERENCE RM RECEPT.
SPARE	20	19	300			300			20	20	SPARE
SPARE	20	21		300			300		22	20	SPARE
SPARE	20	23			300			300	24	20	SPARE
SPACE		25							26		SPACE
SPACE		27							28		SPACE
SPACE		29							30		SPACE
SPACE		31							32		SPACE
SPACE		33							34		SPACE
SPACE		35							36		SPACE
SPACE		37							38		SPACE
SPACE		39							40		SPACE
SPACE		41							42		SPACE

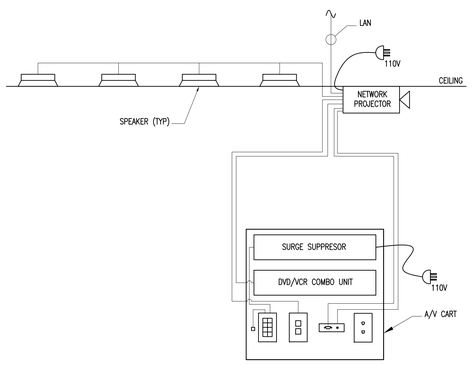
TOTAL PANEL LOAD(VA) PER PHASE (A) 3690 (B) 3840 (C) 3480
TOTAL PANEL LOAD (VA) 11010
CONNECTED LOAD (A) 30.6



2 TYPICAL SECURITY DOOR CONDUIT DETAIL

SCALE: NTS

MISCELLANEOUS SCHEDULE	
$OS	LEVITON CAT. NO. OSSMT, PASSIVE INFRARED (PIR), MULTI-TECHNOLOGY, DECORA STYLE WALL SWITCH OCCUPANCY SENSOR WITH AMBIENT LIGHT RECOGNITION.
OS	OVERHEAD CEILING MOUNTED OCCUPANCY SENSOR - LEVITON MODEL OSC 04-10W



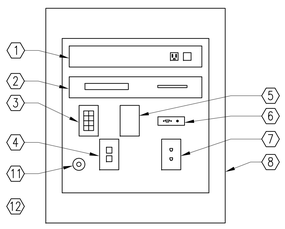
3 AUDIO/VIDEO CONSOLE RISER DIAGRAM

SCALE: NTS

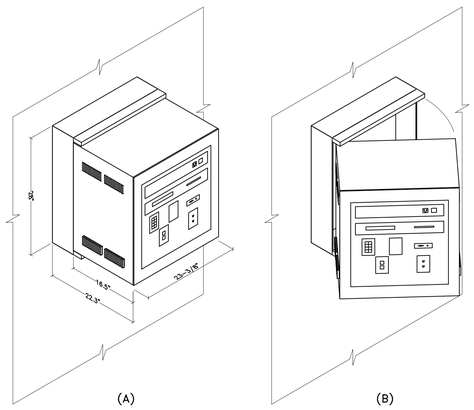
DOUBLE FACE SIGNS

SYMBOL	FACE DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP QTY	LAMP TYPE	LAMP WATTS	REMARKS
#21	EXIT	ALKCO	EAX-22-PL-2 W/ARROWS				AC ONLY WITH BATTERY PACKS
		SURE-LITES	EAC-3200-21	2	F5TT	5	
		TELEDYNE BIG-BEAM	ECXP2RW-AL-AR				

ITEM No.	DESCRIPTION
1	FURMAN 9 OUTLET, SURGE SUPPRESSOR
2	SAMSUNG, DVD/VCR COMBO UNIT
3	CALYPSO, CB-1000, PROGRAMMABLE IR 8 BUTTON PANEL
4	AUX NETWORK PROJECTOR CONTROL (ON/OFF)
5	BLANK ACCESS PLATE
6	VGA SIGNAL INLET AND MINI STEREO AUDIO RACK
7	VOICE AND DATA CONNECTIONS
8	WALL-MOUNTED RACK - MIDDLE ATLANTIC PRODUCTS DWR SERIES (DWR-12-22)
9	CEILING MOUNTED PROJECTOR, NEC LT280 WITH WIRELESS PORT
10	8" DIAMETER CEILING MOUNTED AUDIO SPEAKERS
11	VOLUME CONTROL
12	AMPLIFIER (TO BE ENCLOSED INSIDE THE CONSOLE)



FRONT VIEW



ISOMETRIC VIEWS

4 AUDIO/VIDEO CONSOLE

SCALE: NTS

Revisions		Date
7		
6		
5		
4		
3	100% SUBMITTAL	12/07/11
2	95% SUBMITTAL	08/24/11
1	50% SUBMITTAL	05/16/11

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Drawing Title: ELECTRICAL DETAILS, SCHEDULES AND DIAGRAMS
Solicitation No:
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