PROJECT SUMMARY

The project is a partial renovation and addition to the existing historic Building #60 on the VA Memorial Campus (ETSU), to provide an additional 11,280 square feet for Interprofessional Education and Research spaces for East Tennessee State University.

The project scope includes the renovation of the existing historic Building #60 on the VA Memorial Campus (ETSU). The renovation will provide additional 11,280 square feet for Interprofessional Education and Research spaces for East Tennessee State University.

The existing building was built around 1902 for use as a commissary and constructed of heavy timber beams and decking, heavy timber posts, and brick exterior walls. The central core of the building is cast-in-place concrete walls and floor slabs along with the stairs and elevator shaft, constructed as part of a renovation project for building 60.

The VA campus is a National Historic Landmark, so the design will be submitted for review by the State Historic Preservation Office. As such, every effort will be made to preserve historic materials, features, size, and proportions in order to maintain the integrity of the project and its environment.

The structural deterioration of a cast-in-place concrete platform on the rear of the building, which was originally used as a loading dock for an adjacent rail line, is slated for demolition and replacement in a similar basement area to provide for a proposed 90-seat lecture hall.

The existing interior stair is proposed to be reused as an open central stair, with the addition of two new rated egress stairs to be added inside both ends of the building. The existing elevator shaft will be utilized and expanded in order to meet the needs of the new users.

The building will be serviced by a new centralized HVAC system including campus plant steam and a dedicated 125-ton chiller. Air handling and temperature control will utilize a combination of central air handling and a variable refrigerant flow system.

The project is intended to be a partial renovation of an existing historic building, in compliance with the requirements of the 2006 International Building Code (IBC), excluding Chapters 11 and 27.

The project is a partial renovation of an existing historic building, in compliance with the requirements of the 2006 International Building Code (IBC), excluding Chapters 11 and 27.

MEANS OF EGRESS:

- Exit access travel distance: 250 ft
- Dead end corridor: 20 ft
- Egress width of stairs: 0.2 in/person
- Egress width of other egress components: 0.15 in/person
- Minimum width of stairs: 44 in
- Minimum width of corridors: 44 in
- Areas of refuge: stair landings

BUILDING OCCUPANCY & CONSTRUCTION TYPE

- Building occupancy: educational
- Construction type: type IIIb
-的故事: 3 stories / 55' height / 9,500 sq ft
- 高层: 3 stories / 55' / 9,500 sq ft
- 建筑面积: 9,500 sq ft
- 增设高度: 55 ft

ADOPTED CODES, STATE OF TENNESSEE

- 2006 IBC, EXCLUDING CHAPTERS 11 AND 27
- 2006 IPC
- 2006 NFPA 101
- 2007 ASHRAE STANDARD 90.1
- 2008 NEC
- TDEC DIVISION OF WATER POLLUTION CONTROL, WATER QUALITY CONTROL ACT OF 1977
- TENNESSEE PUBLIC BUILDING ACCESSIBILITY ACT, 2010
- ADA STANDARDS FOR ACCESSIBLE DESIGN

PROJECT INVOLVES CHANGE OF OCCUPANCY FROM STORAGE TO EDUCATIONAL OCCUPANCY.

GENERAL BUILDING DATA

- ACTUAL GRADE PLANE: 1729.34 ft
- ACTUAL BUILDING HEIGHT: 51'2" above grade / 40'-6" below grade
- Location on property and fire resistance: considerations Aa = {At + [At * If] + [At * Is]}

BUILDING OCCUPANCY & CONSTRUCTION TYPE

- Primary structural frame: 0
- Bearing walls: exterior 2
- Non-bearing walls: exterior 3
- Non-bearing walls: interior 2
- Floor construction: 0
- Roof construction: 0

LOCATION ON PROPERTY AND FIRE RESISTANCE

- USE OF CONSTRUCTION: GROUP A-3 / B
- LOCATION GROUP A-3 / B
- LOCATION GROUP A-3 / B
- LOCATION GROUP A-3 / B

GENERAL BUILDING DATA

- AREA OF BUILDING: 11,280 sq ft
- Floor area: 35625 sq ft
- Basement: 11,280 sq ft
- First floor: 8,292 sq ft
- Second floor: 8,292 sq ft
- Third floor: 8,292 sq ft
- Seventh floor: 8,292 sq ft
- Fourth floor: 35625 sq ft
- Fifth floor: 35625 sq ft
- Sixth floor: 35625 sq ft

MEANS OF EGRESS REQUIREMENTS

- Minimum width of stairs: 44 in
- Minimum width of corridors: 44 in

G100
The following are calculated assemblies utilizing the procedures outlined in 2012 IBC Chapter 7 Referenced Sections:

2012 IBC 703.3 – Alternative methods for determining fire resistance – based on criteria of ASTM E119 or UL263 using procedures outlined, including (3) calculations in accordance with 722, and (4) Engineering analysis based on a comparison of building element, component, or assemblies designs having fire resistance ratings as determined ...[per] ASTM E119 or UL 263.

Standards utilized by reference in calculating fire resistance of heavy timber wood components:
Chapter 16 of the ANSI/AF&PA National Design Specification for Wood Construction (recognized as referenced in 2012 IBC 722.1) (Ref. as Ch16 NDS below)

Heavy Timber Beam Ratings
Method Used: 703.3(4) engineering analysis utilizing Chapter 16 of ANSI/AF&PA Design Specification for Wood Construction (DSC)

- 9x14 beam: 1.5 hour rated
- 8x11 beam: 1 hour rated
- 10x11 beam: 1.5 hour rated

Heavy Timber Column Ratings
Method used: 703.3(3) using 2006 IBC 721.6 (note: max rating per 721.6.1.1 is one hour)

- 9x9 column: 45 min. rated

Material
- Structure: 9x9 Southern Pine Col. 45 minutes Calculated per Ch16 NDS – see struct.
- Membrane:
- Finish: per finish schedule
- Underlymt: ¾" plywood Not counted per IBC 721.6.2.4

Total Calculated: 85 minutes

Assembly FC-2 (one hour fire rated)

Method used: 703.3(3) using 2006 IBC 721.6 (note: max rating per 721.6.1.1 is one hour)

- Material
- Finish: per finish schedule
- Underlymt: ¾" t&g plywood Not counted per IBC 721.6.2.4

Total Calculated: 85 minutes

Assembly FC-3 (one hour fire rated)

Method used: 703.3(3) using 2006 IBC 721.6 (note: max rating per 721.6.1.1 is one hour)

- Material
- Finish: per finish schedule
- Underlymt: ¾" t&g plywood Not counted per IBC 721.6.2.4

Total Calculated: 85 minutes

Assembly FC-11 (two hour fire rated)

Method used: 703.3(3) using 2006 IBC 721.6.2.2.1

- Material
- Finish: per finish schedule
- Underlymt: ¾" t&g plywood Not counted per IBC 721.6.2.4

Total Calculated: 5.7 hours

Assembly FC-22 (two hour fire rated)

Method used: 703.3(2) using 2006 IBC Table 720.1(3) Item Number 2-1.1

- Material
- Finish: per finish schedule

Actual Structure is 7-1/2 inch concrete floor

Solid Brick Fire Rating Equivalency per IBC 721.1.1 (1):
- Minimum 2.7" thick = 1 hour
- Minimum 3.8" thick = 2 hour

2XB.___ Calculated Equivalency of Solid Brick Masonry Construction

Solid Brick Fire Rating Equivalency per IBC 721.1.1 (1):
- Minimum 2.7" thick = 1 hour
- Minimum 3.8" thick = 2 hour

Assembly W-7-M-65

6" hollow clay tile with 1/2" plaster both sides

CALCULATED FIRE RESIST.

13-024

etsu building 60
IPER center
johnson city, tn

CALCULATED FIRE RESIST.
AS.16 Disconnect mechanical and turn over to owner for reuse.

AS.17 Remove existing loading dock area and associated lift components.

AS.27 Carefully shore or remove, clean, restore finish, and reinstall existing stone steps and rails in historic configuration.

AS.33 Protect existing tree per detail on AS103.

REMOVE EXISTING GRAVEL LOT AND PREP FOR TURF GRASS AND LANDSCAPING.

VERIFY APPARENT EDGE IN FIELD AND GO 3 FEET BEYOND DIRT/GRAVEL FOR TURF PREPARATION.

PROPERTY LINE

EXISTING CONC. WALK TO REMAIN PREPARE FOR NEW PARKING SPACES - SEE CIVIL WORK POINT

EXISTING LIGHT POLE

NEW LIGHT POLE - SEE ELECTRICAL POWER/UTILITY POLE - SEE CIVIL

EXISTING BUILDING ELEMENTS TO BE DEMOLISHED

EXISTING ELEMENTS AND PAVING

NEW CONCRETE PAVING

NEW ASPHALT PAVING

SITE LEGEND

WORK AREA BOUNDARY

EXISTING COBBLESTONE PAVERS

SEED

SOD

LANDSCAPE STONE

DEMOLISH FLOOR/CEILING ASSEMBLY - SEE DEMOLITION FLOOR PLANS

drawn by project manager

design coordinator

issue date

checked by

etsu building 60 IPER center

johnson city, tn

The design detail and invention of this drawing, being property of red chair architects, shall not be copied or disclosed without written consent.
1. Install and Maintain Temporary Erosion Control Measures During Construction. Refer to Site Plan and Drawings for Specific Areas of Concern. mound controls should be installed to prevent erosion of mud/silt into public areas.


3. Remove Areas of Existing Paving Where Disturbed by Construction or Removed, Resloped, Reset and Sanded. To restore finish, and reinstall existing stone steps and rails in historic configuration.


5. All Concrete Walks to Be 5'-0" Wide Minimum, 1/2" Landscape River Stone W/ 4" STL. Edging.  The contractor shall protect existing granite setts to remain - V.

6. STAKE OUT BUILDING AND PARKING AREAS PRIOR TO GRADING AND EXCAVATION. CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND/or RELOCATING ANY EXISTING ELEMENTS AND PAVING BETWEEN FIELD CONDITIONS AND DRAWINGS AND DO NOT PROCEED WITH WORK UNTIL DIRECTION IS RECEIVED.  WORK DONE WITHOUT DIRECTION WILL BE AT THE CONTRACTOR'S RISK.

7. All fills intended to support building, parking, drives, structures, utilities, etc. sloped areas exceeding 3:1 shall have sod.

8. All existing fire hydrants to remain - A.68.

9. The Contractor shall protect existing Evergreen trees at new Evergreen trees at location.

10. site elevation - see civil.

11. All Borrow Materials Shall Be Free of All Sticks and Debris.

12. ALL DISTURBED SITE AREAS SHALL HAVE SEED DURING FINISH GRADING.  REMOVE ROCKS, STUMPS, PAVING TO REMAIN.  PAVING DAMAGED DURING CONSTRUCTION SHALL BE PATCHED AND REPAIRED WITHOUT ADDITIONAL COST TO OWNER.

13. All forms of erosion control shall be used on all slopes exceeding 3:1.  All ditches shall be lined with 10" clay embankment.

14. Borrow materials shall be free of all sticks and debris.

15. Any existing fire hydrants to be retained - AS105.

16. Contracting shall verify location signage to be retained - AS103.

17. Contractor To Locate Location Signage Without Unreasonably Interfering With Progress or Property Boundaries.

18. Access Routes To Site Shall Be Based With Crushed Stone.


20. Reference Existing Permanent Erosion Control Measures to Prevent Erosion of Mud/Silt into Public Areas. Refer to Site Plan and Drawings for Specific Areas of Concern.

21. All contractors shall verify if existing field conditions do not match the site plan and drawings.

22. All existing permanent erosion control measures shall be maintained throughout the construction process. Refer to Site Plan and Drawings for Specific Areas of Concern.

23. Remove areas of existing paving where disturbed by construction or removed, resloped, reset and sanded. To restore finish, and reinstallation of stone steps and rails in historic configuration.

24. Stake out building and parking areas. Form fine grading for positive slope away from buildings.

25. All concrete walks to be 5'-0" wide minimum, 1/2" landscape river stone w/ 4" STL. edging. The contractor shall protect existing granite setts to remain - V.

26. Clean out existing area way and replace bar grating and associated supports.

27. Carefully shore or remove, clean, work area boundary sticks and debris.

28. All concrete walks to be 5'-0" wide minimum, 1/2" landscape river stone w/ 4" STL. edging.

29. Seed all disturbed areas unless noted.

30. Seed all disturbed areas unless noted.

31. Sod per specs.

32. 1/2" landscape river stone w/ 4" STL. edging.

33. New concrete slab and drain - see civil.

34. New 6" STL. pipe bollard poured w/ base.

35. New fire department connection and drain - see civil.

36. Protect existing granite setts to remain - V.

37. New EVERGREEN TREES AT NEW EVERGREEN TREES AT LOCATION.

38. New ADA DIRECTIONAL SIGNAGE.

39. New SHRUBS AND TREES, NEW CONCRETE PAVING.
The design detail and invention of this drawing, being property of Red Chair Architects, shall not be copied or disclosed without written consent.
FINISH, AND REINSTALL EXISTING STONE STEPS AND DEMO FLOOR/CEILING ASSEMBLY.

EXISTING RAILINGS.

EXISTING TO REMAIN

EXISTING WOOD DECK/SUBFLOOR TO SHORE AS REQUIRED

NEW STUD WALL

EXISTING CONCRETE DECK/SUBFLOOR TO REMAIN

NEW CMU WALL

REMOVE INFILL, DOOR, WINDOW, AND/OR MASONRY

EXISTING WOOD DECK/SUBFLOOR TO REMAIN AS SUBFLOOR

NEW SHAFT (SEE STAIR, MECH, ETC.)

NEW WOOD DECK WITH PLYWOOD SUBFLOOR

220 w jackson ave knoxville, tn

NON-RATED SMOKE BARRIER (PER NFPA 101)

EXISTING BRICK CONSTRUCTION TO REMAIN

2 HOUR RATED FIRE BARRIER

NEWLY RESET GRANITE SETTS OVER SAND BED OVER VAPOR BARRIER (REUSE EXISTING PAVERS)

REMOVE EXISTING HVAC EQUIP AND TURN OVER TO OWNER

REMOVE EXISTING PLATFORM ASSEMBLY AND

NEW BRICK / BRICK VENEER WALL

REMOVE EXISTING BAR GRATING (TO BE REPLACED)

REMOVE EXISTING TILE FLOOR & MORTAR BED. INFILL

SUBFLOOR TO LEVEL WITH NEW PLYWOOD

REMOVE EXISTING TILE TO REMAIN

HALF HEIGHT OF WALL - PREPARE FOR PAINT

PAINT

HANDLE AND DISPOSE OF ALL DEBRIS, MATERIALS AND TRASH IN ACCORDANCE WITH THE PROJECT MANUAL AND STANDARDS, AND REGULATION

ALL AREAS IN THE EXISTING BUILDING OR SITE THAT ARE DISTURBED BY DEMOLITION SHALL BE REPAIRED, PATCHED AND MATCHED TO ADJACENT FINISHED CONSTRUCTION, WHETHER OR NOT SPECIFICALLY NOTED.

CONTRACTOR MAY UNCOVER EXISTING CONSTRUCTION THAT IS IN NEED OF REPAIR, REMOVAL OR REPLACEMENT. SUCH CONDITIONS WHEN SERVICES MAY BE TEMPORARILY DISRUPTED.

HAZARDOUS MATERIALS IN ACCORDANCE WITH HAZARDOUS MATERIAL STANDARDS.

REMOVE ALL PEELING AND LOOSE PAINT ON EXISTING SURFACES TO BE EXPOSED AT

DO NOT ALTER OR REMOVE STRUCTURAL

7 DO NOT ALTER OR REMOVE STRUCTURAL

5 ALL AREAS IN THE EXISTING BUILDING OR SITE THAT ARE DISTURBED BY DEMOLITION SHALL BE REPAIRED, PATCHED AND MATCHED TO ADJACENT FINISHED CONSTRUCTION, WHETHER OR NOT SPECIFICALLY NOTED.

DO NOT ALTER OR REMOVE STRUCTURAL

2 HANDLE AND DISPOSE OF ALL DEBRIS, MATERIALS AND TRASH IN ACCORDANCE WITH THE PROJECT MANUAL AND STANDARDS, AND REGULATION

1 CAREFULLY REMOVE ALL COMPONENTS WHERE STRUCTURAL CHARACTER OF SUCH COMPONENTS LOAD-BEARING COMPONENTS AND AT MASONRY. CONTRACTOR SHALL TAKE CARE TO PROTECT AND SAFETY, INCLUDING PROPER SHORING AND COORDINATION OF WORK AROUND HAZARDOUS

INFORM OWNER AND OBTAIN PERMISSION TO DISRUPTIVE TO ADJACENT OCCUPIED AREAS.

ALL SALVAGEABLE ELECTRICAL, MECHANICAL, PLUMBING FIXTURES, DOOR ASSEMBLIES, PLUMBING, MECHANICAL, AND ELECTRICAL

WHEN SERVICES MAY BE TEMPORARILY DISRUPTED.

THIS PROJECT CONTAINS HISTORIC ELEMENTS.

CHECK AREAS OF EXSITING PLASTER TO REMAIN FOR INTEGRITY AND REPLACE WHERE LOOSE.

REMOVE ALL BIRD/ANIMAL DROPPINGS IN

REMOVE ALL EXISTING PIPING ASSOCIATED WITH FORMER HVAC SYSTEM.

REMOVE HAZARDOUS MATERIALS IN ACCORDANCE WITH HAZARDOUS MATERIAL STANDARDS.

REMOVE ALL EXISTING LIGHTING, WIRING, CABLING, COMMUNICATION DEVICES EXCEPT AS DIRECTED BY OWNER OR ELECTRICAL DOCUMENTS.

ABATE ALL AREAS OF PEELING PAINT. REFER TO

REMOVE ALL EXISTING LIGHTING, WIRING, CABLING, COMMUNICATION DEVICES EXCEPT AS DIRECTED BY OWNER OR ELECTRICAL DOCUMENTS.

ABATE ALL AREAS OF PEELING PAINT. REFER TO
DEMO KEYED NOTES
WITHIN EXISTING OPENING - VERIFY STRUCTURE AND DEMOLISH FLOOR/CEILING ASSEMBLY

EXISTING WOOD DECK/SUBFLOOR TO REMAIN AS SUBFLOOR

EXISTING METAL CANOPY STRUCTURE (COLUMNS, DECK, ETC.)

NEW STUD WALL

NEW SHAFT (SEE STAIR, MECH, ETC.) REMAIN

NEW CMU WALL

NEWLY RESET GRANITE SETTS OVER SAND

2 HOUR RATED FIRE BARRIER

NON-RATED SMOKE BARRIER (PER NFPA 101)

EXISTING BRICK CONSTRUCTION TO REMAIN

NON-RATED SMOKE PARTITION (PER IBC 508.2)

BED OVER VAPOR BARRIER (REUSE EXISTING PAVERS)

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1. CONTRACTOR SHALL NOT SCALE THIS OR ANY REPAIR LOOSE TILES OTHER DRAWING IN THE CONTRACT DOCUMENTS.

2. REPLACE DAMAGED OR DETERIORATED SLATE EXISTING SLATE ROOF TO CASE OF DIMENSIONAL DISCREPANCIES BETWEEN SHINGLES CONTACT ARCHITECT FOR CLARIFICATION.

WARRANTY REQUIREMENTS

3. DIMENSIONS CONCERNING THE SCOPE OF WORK PATCH AND REPAIR AS NEEDED.

EXISTING MEMBRANE ROOF TO REMAIN (PATCH AND REPAIR) ARE IN QUESTION OR IF ANY DISCREPANCIES ARE REMOVED HAZ. MAT. COATING PER SPECS. (TO BE WORK.

4. ITEMS NOT INCLUDED IN CONTRACTOR'S CONTRACT ARE MARKED "N.I.C." AND SHALL BE PERFORMED BY OWNER'S OWN FORCES OR OTHERS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

5. DIMENSIONS ARE TO FACE OF STUDS, FACE OF EXISTING FINISH SURFACE UNLESS NOTED OTHERWISE.

7 EXISTING LOW SLOPE ROOF INFORMATION - 7-24-2010, 20 YEAR WARRANTY, # RO043219 POSSIBLE. VERIFY OWNER'S STOCK AND PROVIDE DURATION OF THE PROJECT RESPONSIBLE FOR COORDINATION BETWEEN TRADES. CORRECTIONS REQUIRED DUE TO THE THEMSELVES WITH OTHER TRADES ADDRESSED BY CONTRACT DOCUMENTS, SHALL NOT RESULT IN ADDITIONAL COST TO THE OWNER.

5 ALL AREAS IN THE EXISTING BUILDING OR SITE THAT ARE DISTURBED BY DEMOLITION SHALL BE REPAIRED, PATCHED AND MATCHED TO ADJACENT COMPONENTS PER CODE OUTSIDE BUILDING CONSTRUCTION WHERE SERVICES WILL BE UNUSED.

6 DURING THE COURSE OF THE WORK, THE CONTRACTOR IS RESPONSIBLE FOR JOBSITE SAFETY, INCLUDING PROPER SHORING AND MATERIALS.

7 DO NOT ALTER OR REMOVE STRUCTURAL COMPONENTS PER STRUCTURAL ENGINEER.

8 CONTRACTOR SHALL TAKE CARE TO PROTECT AND PRESERVE ELEMENTS INTENDED FOR REUSE OR SALVAGE.

9 PROTECT EXISTING ROOF FROM DAMAGE AND HANDLE AND DISPOSE OF ALL DEBRIS, MATERIALS AND TRASH IN ACCORDANCE WITH THE PROJECT MANUAL AND PER APPLICABLE CODES, STANDARDS, AND REGULATIONSHANDLE AND DISPOSE OF ALL DEBRIS, MATERIALS AND TRASH IN ACCORDANCE WITH THE PROJECT MANUAL AND PER APPLICABLE CODES, STANDARDS, AND REGULATIONS FROM WEATHER AND MAINTAIN SECURITY TO PROTECT FROM DAMAGE.

10 REMOVE ALL EXISTING PIPING ASSOCIATED WITH FORMER HVAC SYSTEM.

12 ALL SALVAGEABLE ELECTRICAL, MECHANICAL, AND ELECTRICAL, FIRE ALARM AND COMMUNICATION DEVICES EXCEPT AS DIRECTED OTHERWISE.

14 REMOVE ALL EXISTING PIPING ASSOCIATED WITH DOMESTIC PLUMBING SYSTEMS, SEWER AND RADIATORS AND PIPING ASSOCIATED WITH FORMER HVAC SYSTEM.

17 REMOVE ALL BIRD/ANIMAL DROPPINGS IN ACCORDANCE WITH HAZARDOUS MATERIAL SPECIFICATIONS AND APPLICABLE LAWS, CODES & STANDARDS.

18 REMOVE HAZARDOUS MATERIALS IN ACCORDANCE WITH ENVIRONMENTAL SPECIFICATIONS AND WITH ENVIRONMENTAL SPECIFICATIONS AND APPLICABLE LAWS, CODES & STANDARDS.

11 All areas in the existing building or site that are disturbed by demolition shall be repaired, patched and matched to adjacent components per code outside building construction where services will be unused.

13 REMOVE HAZARDOUS MATERIALS IN ACCORDANCE WITH ENVIRONMENTAL SPECIFICATIONS AND WITH ENVIRONMENTAL SPECIFICATIONS AND APPLICABLE LAWS, CODES & STANDARDS.

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D.43 REMOVE EXISTING PLATFORM ASSEMBLY AND BEAMS, COLUMNS, SHORING. EXISTING PERIMETER WALLS SHALL REMAIN.

D.46 REMOVE EXISTING FLOOR STRUCTURE TO CREATE NEW SHAFT (SEE STAIR, MECH, ETC.)

V

NEW STUD WALL

D.48 STABILIZE PEELING PAINT ON COLUMNS, BEAMS, EXISTING CONCRETE DECK/SUBFLOOR TO DECK AND WALLS PER HAZ. MAT. REPORT/SPECS

NEW CMU WALL

1 HOUR RATED FIRE BARRIER

2 HOUR RATED FIRE BARRIER

NON-RATED SMOKE BARRIER (PER NFPA 101)

NEWLY RESET GRANITE SETTS OVER SAND BED OVER VAPOR BARRIER (REUSE EXISTING PAVERS)

NEW CONCRETE ASSEMBLY

13-024

A renovation project for ETSU Building 60
IPER Center

Johnston City, TN

GENERAL NOTES - DEMOLITION

1. CAREFULLY REMOVE ALL COMPONENTS WHERE SHOWN TO BE REMOVED. DETERMINE STRUCTURAL CHARACTER OF SUCH COMPONENTS PRIOR TO REMOVAL. SHORE ADEQUATELY AT LOAD-BEARING COMPONENTS AND AT MASONRY.

2. CAP PLUMBING, MECHANICAL, AND ELECTRICAL COMPONENTS PER CODE OUTSIDE BUILDING.

3. HANDLE AND DISPOSE OF ALL DEBRIS, MATERIALS AND TRASH IN ACCORDANCE WITH THE PROJECT MANUAL AND PER APPLICABLE CODES, STANDARDS, AND REGULATIONS.

4. ALL AREAS IN THE EXISTING BUILDING OR SITE THAT ARE DISTURBED BY DEMOLITION SHALL BE REPAIRED, PATCHED AND MATCHED TO ADJACENT FINISHED CONSTRUCTION, WHETHER OR NOT SPECIFICALLY NOTED.

5. DURING THE COURSE OF THE WORK, THE CONSTRUCTION THAT IS IN NEED OF REPAIR, REMOVAL OR REPLACEMENT. SUCH CONDITIONS PRIOR TO WORK IN THESE AREAS.

6. CONTRACTOR IS RESPONSIBLE FOR JOBSITE SAFETY, INCLUDING PROPER SHORING AND MATERIALS.

7. RADIATORS AND PIPING ASSOCIATED WITH FORMER HVAC SYSTEM.

8. REMOVE ALL PEELING AND LOOSE PAINT ON EXISTING SURFACES TO BE EXPOSED AT COMPLETION. SEE HAZARDOUS MATERIAL REPORT AND SPECS FOR ADDITIONAL INFORMATION.

9. REMOVE ALL PEELING AND LOOSE PAINT ON EXISTING SURFACES TO BE EXPOSED AT COMPLETION. SEE HAZARDOUS MATERIAL REPORT AND SPECS FOR ADDITIONAL INFORMATION.

10. COORDINATE WORK TO PREVENT INTERRUPTION EITHER IN THE BUILDING OR AT NEARBY BUILDINGS. NOTIFY OWNER IN ADVANCE FOR PERMISSION DISRUPTIVE TO ADJACENT OCCUPIED AREAS.

11. INFORM OWNER AND OBTAIN PERMISSION TO DISRUPTED.

12. REMOVE ALL EXISTING PIPING ASSOCIATED WITH DOMESTIC PLUMBING SYSTEMS, SEWER AND SPRINKLER WORK.

13. CHECK AREAS OF EXSITING PLASTER TO REMAIN.

14. THIS PROJECT CONTAINS HISTORIC ELEMENTS. CONTRACTOR SHALL TAKE CARE TO PROTECT AND PRESERVE ELEMENTS INTENDED FOR REUSE OR SALVAGE.

15. REMOVE ALL BIRD/ANIMAL DROPPINGS IN ACCORDANCE WITH HAZARDOUS MATERIAL STANDARDS.

16. REMOVE HAZARDOUS MATERIALS IN ACCORDANCE WITH LAWS, CODES & STANDARDS. REFER TO PROJECT MANUAL FOR MORE INFO.

17. ABATE ALL AREAS OF PEELING PAINT. REFER TO KEYED NOTES FOR LOCATIONS.
DEMO KEYED NOTES

WALL LEGEND
- DEMOLISH WALL - ASSEMBLY
- DEMOLISH WALL
- MINI CMU WALL
- MINI RD WD W/R
- NON-RATED WOOD BURRN (INTERIOR)
- 2 Hour RATED FIRE BARRIER
- NON-RATED BURRN (PER IC ORD)

HORIZONTAL ASSEMBLY LEGEND
- DEMOLISH FLOOR/CEILING ASSEMBLY
- DEMOLISH WALL / ASSEMBLY
- FULL HEIGHT OF WALL, COLUMNS, BEAMS, DECK - EXISTING STRUCTURE WILL REMAIN EXPOSED
- EXISTING TO REMAIN
- NEW STUD WALL
- NEW CMU WALL
- NEW WOOD DECK WITH PLYWOOD SUBFLOOR
- NEWLY RESET GRANITE SETTS OVER SAND
- NEW CONCRETE ASSEMBLY
- NON-RATED SMOKE BARRIER (PER NFPA 101)
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- NON-RATED SMOKE PARTITION (PER IBC 508.2)
- BED OVER VAPOR BARRIER (REUSE EXISTING PAVERS)
- 60 CMU WALL

GENERAL NOTES - DEMOLITION
- CAREFULLY REMOVE ALL COMPONENTS WHERE SHOWN TO BE REMOVED. DETERMINE STRUCTURAL CHARACTER OF SUCH COMPONENTS LOAD-BEARING COMPONENTS AND AT MASONRY. UNUSED.
- HANDLE AND DISPOSE OF ALL DEBRIS, MATERIALS AND TRASH IN ACCORDANCE WITH THE PROJECT MANUAL AND PER APPLICABLE CODES, STANDARDS, AND REGULATIONS
- MAINTAIN ONGOING PROTECTION OF PROJECT FROM WEATHER AND MAINTAIN SECURITY TO PROTECT FROM DAMAGE.
- ALL AREAS IN THE EXISTING BUILDING OR SITE REPAIRED, PATCHED AND MATCHED TO ADJACENT FINISHED CONSTRUCTION, WHETHER OR NOT SPECIFICALLY NOTED.
- DURING THE COURSE OF THE WORK, THE CONTRACTOR MAY UNCOVER EXISTING CONSTRUCTION THAT IS IN NEED OF REPAIR, REMOVAL OR REPLACEMENT. SUCH CONDITIONS PRIOR TO WORK IN THESE AREAS.
- DO NOT ALTER OR REMOVE STRUCTURAL MEMBERS EXCEPT AS DIRECTED BY THE STRUCTURAL ENGINEER.
- CONTRACTOR IS RESPONSIBLE FOR JOBSITE COORDINATION OF WORK AROUND HAZARDOUS MATERIALS.
- REMOVE ALL PEELING AND LOOSE PAINT ON EXISTING SURFACES TO BE EXPOSED AT COMPLETION. SEE HAZARDOUS MATERIAL REPORT AND SPECS FOR ADDITIONAL INFORMATION.
- COORDINATE WORK TO PREVENT INTERRUPTION OF SERVICES IN USE AT OTHER OCCUPIED AREAS, EITHER IN THE BUILDING OR AT NEARBY BUILDINGS. NOTIFY OWNER IN ADVANCE FOR PERMISSION WHEN SERVICES MAY BE TEMPORARILY DISRUPTED.
- INFORM OWNER AND OBTAIN PERMISSION TO PROCEED WHERE WORK MAY BE NOISY OR DISRUPTIVE TO ADJACENT OCCUPIED AREAS.
- HARDWARE, CASEWORK AND OTHER ITEMS OF USABLE VALUE TO BE REMOVED SHALL BE RETAINED BY THE OWNER UNLESS SPECIFICALLY DIRECTED OTHERWISE.
- REMOVE ALL HVAC EQUIPMENT, FANS, DUCTS, RADIATORS AND PIPING ASSOCIATED WITH FORMER HVAC SYSTEM.
- REMOVE ALL EXISTING PIPING ASSOCIATED WITH SPRINKLER WORK.
- CHECK AREAS OF EXISTING PLASTER TO REMAIN FOR INTEGRITY AND REPLACE WHERE LOOSE.
- THIS PROJECT CONTAINS HISTORIC ELEMENTS. CONTRACTOR SHALL TAKE CARE TO PROTECT AND PRESERVE ELEMENTS INTENDED FOR REUSE OR SALVAGE.
- REMOVE ALL BIRD/ANIMAL DROPPINGS IN EXISTING CONSTRUCTION.
- REMOVE HAZARDOUS MATERIALS IN ACCORDANCE WITH ENVIRONMENTAL SPECIFICATIONS AND APPLICABLE LAWS, CODES & STANDARDS. REFER TO PROJECT MANUAL FOR MORE INFO.
- REMOVE ALL EXISTING LIGHTING, WIRING, CABLING, CONDUIT AND ELECTRICAL, FIRE ALARM AND COMMUNICATION DEVICES EXCEPT AS DIRECTED BY OWNER OR ELECTRICAL DOCUMENTS.

A renovation project for etsu building 60
IPER center
johnson city, tn
13-024

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DEMO KEYED NOTES
WALL LEGEND
EXISTING WOOD DECK/SUBFLOOR TO REMAIN
NEW BRICK/BRICK VENEER WALL
EXISTING CONCRETE DECK/SUBFLOOR TO REMAIN
NEWLY RESET GRANITE SETTS OVER SAND
NON-RATED SMOKE BARRIER (PER NFPA 101)
2 HOUR RATED FIRE BARRIER
NON-RATED SMOKE PARTITION (PER IBC 508.2)
NEW CONCRETE ASSEMBLY
220 W Jackson Ave, Knoxville, TN
37902 | 865.633.9058   F | 865.633.9059
www.redchairarchitects.com

HORIZONTAL ASSEMBLY LEGEND
EXISTING WOOD DECK/SUBFLOOR TO REMAIN
NEW BRICK/BRICK VENEER WALL
EXISTING CONCRETE DECK/SUBFLOOR TO REMAIN
NEWLY RESET GRANITE SETTS OVER SAND
NON-RATED SMOKE BARRIER (PER NFPA 101)
2 HOUR RATED FIRE BARRIER
NON-RATED SMOKE PARTITION (PER IBC 508.2)
NEW CONCRETE ASSEMBLY

GENERAL NOTES - DEMOLITION
1 CAREFULLY REMOVE ALL COMPONENTS WHERE SHOWN TO BE REMOVED. DETERMINE STRUCTURAL CHARACTER OF SUCH COMPONENTS PRIOR TO REMOVAL. SHORE ADEQUATELY AT LOAD-BEARING COMPONENTS AND AT MASONRY.
2 CAP PLUMBING, MECHANICAL, AND ELECTRICAL COMPONENTS PER CODE OUTSIDE BUILDING CONSTRUCTION WHERE SERVICES WILL BE UNUSED.
3 HANDLE AND DISPOSE OF ALL DEBRIS, MATERIALS AND TRASH IN ACCORDANCE WITH THE PROJECT MANUAL AND PER APPLICABLE CODES, STANDARDS, AND REGULATIONS.
4 MAINTAIN ONGOING PROTECTION OF PROJECT FROM WEATHER AND MAINTAIN SECURITY TO PROTECT FROM DAMAGE.
5 ALL AREAS IN THE EXISTING BUILDING OR SITE THAT ARE DISTURBED BY DEMOLITION SHALL BE REPAIRED, PATCHED AND MATCHED TO ADJACENT FINISHED CONSTRUCTION, WHETHER OR NOT SPECIFICALLY NOTED.
6 REMOVE ALL PEELING AND LOOSE PAINT ON EXISTING SURFACES TO BE EXPOSED AT COMPLETION. SEE HAZARDOUS MATERIAL REPORT AND SPECS FOR ADDITIONAL INFORMATION.
7 DO NOT ALTER OR REMOVE STRUCTURAL MEMBERS EXCEPT AS DIRECTED BY THE STRUCTURAL ENGINEER.
8 CONTRACTOR IS RESPONSIBLE FOR JOBSITE SAFETY, INCLUDING PROPER SHORING AND COORDINATION OF WORK AROUND HAZARDOUS MATERIALS.
9 REMOVE ALL HVAC EQUIPMENT, FANS, DUCTS, RADIATORS AND PIPING ASSOCIATED WITH FORMER HVAC SYSTEM.
10 COORDINATE WORK TO PREVENT INTERRUPTION OF SERVICES IN USE AT OTHER OCCUPIED AREAS, EITHER IN THE BUILDING OR AT NEARBY BUILDINGS.
11 INFORM OWNER AND OBTAIN PERMISSION TO PROCEED WHERE WORK MAY BE NOISY OR DISRUPTIVE TO ADJACENT OCCUPIED AREAS.
12 ALL SALVAGEABLE ELECTRICAL, MECHANICAL, PLUMBING FIXTURES, DOOR ASSEMBLIES, HARDWARE, CASEWORK AND OTHER ITEMS OF USABLE VALUE TO BE REMOVED SHALL BE RETAINED BY THE OWNER UNLESS SPECIFICALLY DIRECTED OTHERWISE.
13 REMOVE ALL HVAC EQUIPMENT, FANS, DUCTS, RADIATORS AND PIPING ASSOCIATED WITH FORMER HVAC SYSTEM.
14 REMOVE ALL LIGHTING, WIRING, CABLING, CONDUIT AND ELECTRICAL, FIRE ALARM AND COMMUNICATION DEVICES EXCEPT AS DIRECTED BY OWNER OR ELECTRICAL DOCUMENTS.
15 CHECK AREAS OF EXISTING PLASTER TO REMAIN FOR INTEGRITY AND REPLACE WHERE LOOSE.
16 THIS PROJECT CONTAINS HISTORIC ELEMENTS. CONTRACTOR SHALL TAKE CARE TO PROTECT AND PRESERVE ELEMENTS INTENDED FOR REUSE OR REPLACEMENT. SUCH CONDITIONS SHALL BE CALLED TO THE ARCHITECT'S ATTENTION PRIOR TO WORK IN THESE AREAS.
17 REMOVE ALL BIRD/ANIMAL DROPPINGS IN ACCORDANCE WITH HAZARDOUS MATERIAL SPECIFICATIONS AND APPLICABLE LAWS, CODES & STANDARDS. REFER TO PROJECT MANUAL FOR MORE INFO.
18 REMOVE HAZARDOUS MATERIALS IN ACCORDANCE WITH ENVIRONMENTAL SPECIFICATIONS AND APPLICABLE LAWS, CODES & STANDARDS. ALSO REFER TO PROJECT MANUAL FOR MORE INFO.
19 REMOVE ALL EXISTING LIGHTING, WIRING, CABLING, CONDUIT AND ELECTRICAL, FIRE ALARM AND COMMUNICATION DEVICES EXCEPT AS DIRECTED BY OWNER OR ELECTRICAL DOCUMENTS.

This document contains information on the demolition of a building, including specific instructions for removing materials and ensuring safety. It also notes the presence of historic elements and provides guidance for handling hazardous materials.
### EXISTING DOOR SCHEDULE

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<thead>
<tr>
<th>Mark</th>
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<th>Height</th>
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<td>X-FLUSH DEMO X-WD-1 DEMO DEMO 6</td>
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</tr>
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</table>

### Door Schedule Notes

1. Existing doors and frames to be reused shall be repaired, refinished, and repainted. Replace broken glass with matching tempered material. Reduce as indicated in door schedule.
2. Where new hardware is specified, prepare existing door to receive new hardware as much of the existing hardware, cuts and openings as possible.
3. Door sizes and dimensions shall be verified for compatibility of proposed avenue. Modifications shall be included in the base price.
4. All doors are identified in closed position and see openings. Remove old lockset and patch opening. Install transom film on glass panels (where applicable)
5. Existing rough openings to be filled with new construction, seal and stained. See new floor plans.
6. Install new door and frame in existing masonry opening. See new floor plans and new door schedule.
7. Where existing doors are indicated to be removed and installed, locate at new opening number indicated. Otherwise, salvage and store as directed by Owner.
8. Patch, veneer, and replace existing wood casing.
10. Install new access control (G2000) or existing door.
11. Field measure and evaluate doors (X034, X035, X370, X199) for reuse at level 1 doors (112, 114, 116 and 120). Refurbish, refinish and adjust frames and doors for proper fit and operation. Adjust doors to match swing shown on plans. Extend step units to frames to position relocated doors in proper alignment.
12. Install new lintel at this opening. Refer to HJS details and Structural.

### GLAZING / PANEL LEGEND

- Insulated Glazing Unit (Low-E) 1
- Insulated Glazing Unit (Low-E) - Tempered 2
- Clear Safety Glass - Tempered 4
- Fire Protective Rated Glazing 9
- Insulated Glass Unit (Low-E) - Tempered
- Clear Float Glass
- Clear Safety Glass - Tempered
- Clear Safety Glass with One Way Mirror - Tempered
- Clear Float Glass with One Way Mirror
- 5/8" Insulated Glass Panel
- Fire Protective Rated Glass
- No Arch at Tops for New Openings with Bent Plates in Masonry Walls

---

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1. FIRE RATED WALLS SHALL BE INSTALLED TIGHT TO FLOOR / ROOF DECK OR TO FIRE RATED TYPICAL.
2. AT BASEMENT LEVEL, REPOINT ALL EXISTING LARGER AT BASEMENT MASONRY WALLS TO REMAIN UP 12 INCHES FROM WALLS UNLESS NOTED OTHERWISE.
3. HARDWARE MUST BE INSTALLED IN COMPLIANCE WITH SPECIFICATION.
4. AT EXISTING ASSEMBLIES TO REMAIN WITH FIRE SUCH AS EXISTING CONDUIT, PIPING, ETC.
5. DOORS SHALL BE LOCATED IN ACCORDANCE AT 4'-0" A.F.F. OF BASEMENT OF WALLS, OR DOOR / OPENING SHALL BE GIVEN RELATIVE TO THE DRAWING'S
6. DEVICES, FIXTURES, EQUIPMENT, ETC. SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.
7. FIELD VERIFY SIZE (APPROX. 18" X 4"
8. EXISTING DOOR FRAMING TO REMAIN. (REMOVE OLD SIGNS)
9. THE CONTRACTOR AND SUBCONTRACTORS SHALL BE COORDINATED THE THEIR WORK WITH OTHER TRADES AND SHALL JUST THE SHEETS ASSOCIATED WITH A
10. STRUCTURAL GRID IS INTENDED TO ALIGN WITH EXISTING STRUCTURAL SYSTEM. FIELD COORDINATION SHALL BE AT NO COST TO CORR.

FIRE RATED CONSTRUCTION
BELOW GRADE PER SPECS.

1. FIRE RATED WALLS SHALL BE INSTALLED TIGHT TO FLOOR / ROOF DECK OR TO FIRE RATED TYPICAL.
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V.I.F.
The design detail and invention of this drawing, being property of red chair architects, shall not be copied or disclosed without written consent.
NEWLY RESET EXISTING GRANITE SETTS OVER CONCRETE AND VAPOR BARRIER
NEW WOOD DECK WITH PLYWOOD SUBFLOOR PER STRUCT.
DEMOLISH FLOOR/CEILING ASSEMBLY
EXISTING WOOD DECK/SUBFLOOR TO REMAIN
EXISTING CONCRETE DECK/SUBFLOOR TO REMAIN
EXISTING TILE FLOOR ON WOOD DECK TO REMAIN AS SUBFLOOR
NEW CONCRETE SLAB

EXISTING BRICK CONSTRUCTION TO REMAIN
EXISTING WOOD DECK/SUBFLOOR TO REMAIN
RCP GENERAL NOTES

1. DO NOT PAINT SPRINKLER HEADS.
2. INSTALL EXPOSED STEEL SHEET METAL TROUSSEAU WITH A SERVICING CLEARANCE OF 12" TO OTHER OUTSIDE WALLS.
3. DESIGNER'S DECISION REQUIRED ON LIGHT FIXTURES SPECIFIC TO THIS PROJECT AS WELL AS OTHER CEILING ITEMS.
4. TRIM A.R.T. CLOUDS TO HAVE METAL TRIM 4" HIGH BY A.R.T. MFR. - COLOR TO MATCH GRID.
5. ALL EXISTING EXPOSED INTERIOR SURFACES (WALLS, BEAMS, DECK, AND COLUMNS) AND EXISTING SURFACES ABOVE NEW ACCESSIBLE CEILINGS SHALL BE PAINTED TO ENCAPSULATE THE EXISTING LEAD-BASED PAINT TO REMAIN.
6. ALL EXTERIOR WOOD SOFFIT, RAFTERS, BRACKETS, AND TRIM TO BE REPAINTED. ASSUME SUBSTRATE CONDITION TO BE MPI DSD 2 PER SPECS. ASSUME 25 PERCENT OF ALL EXTERIOR RAFTER ENDS SHALL NEED EPOXY RESTORATION AT THE END 1 INCH OF LENGTH PER WOOD REPAIR SPECS.

RCP KEYED NOTES

RCP.01 PAINTED EXPOSED CONCRETE STRUCTURE
RCP.02 PAINTED EXPOSED WOOD STRUCTURE
RCP.06 NEW PAINTED GYPSUM BOARD CEILING INSET UNDER STAIR LANDING
RCP.09 PAINTED EXPOSED STEEL PAN STAIR STRUCTURE
RCP.21 KEEP DUCT TIGHT TO STRUCTURE ABOVE AND TO WALL AT SIDE. CEILING HEIGHT AND FIXTURE CLEARANCES ARE TIGHT - CAREFULLY COORDINATE.
RCP.23 SF.3 BULKHEAD/WALL TYPE FROM CEILING HEIGHT TO STRUCTURE ABOVE.

RCP LEGEND

1. 2'-0" X 4'-0" CEILING GRID
2. 2'-0" X 2'-0" CEILING GRID
3. 2'-0" X 4'-0" LAY-IN DIRECT/INDIRECT FLUORESCENT LIGHT FIXTURE
4. 4" X 4'-0" SLOT RECESSED LIGHT
5. 4'-0" SURFACE MOUNTED STAIR LIGHT
6. TRACK MOUNT SPOT LIGHT
7. RECESS CAN LIGHT
8. FEATURE PENDANT
9. RECESSED CAN LIGHT
10. FEATURE PENDANT
11. MANUFACTURER'S SUPPLIED RECESSED CAN LIGHT
12. SUPPLY / RETURN GRILLES / EXHAUST FAN - SEE MECHANICAL
13. EXPOSED METAL DUCTWORK - SEE MECHANICAL
14. EXPOSED WOOD DECK
15. EXPOSED CONCRETE
16. GYP. 8' - 0"
17. ACT A 8' - 0"
18. ACT D 9' - 6"
19. ACP-1 8' - 1"
20. SI 8'-0"
21. 8'-0"
22. 7'-9"
23. 7'-2"
24. 24'-0"
25. A.T.
26. DUTY LIGHT
27. SUPPLY LIGHT
28. RETURN LIGHT
29. EXHAUST FAN
30. GYPSUM BOARD
31. CEILING-MOUNTED AV DEVICES - SEE AUDIO / VISUAL
32. IRS
33. PSSPEAKER
34. MICCAMERA
35. S

RCP NOTES

A.1 A.8

1. All exposed ceiling decks, beams, ducts, pipes, conduit, boxes, etc. to be painted unless noted otherwise.
2. DO NOT PAINT SPRINKLER HEADS.
3. Install gypsum board bulkhead where ceiling heights step.
4. All exterior wood soffit, rafters, brackets, and trim to be repainted. Assume substrate condition to be MPI DSD 2 per specs. Assume 25 percent of all exterior rafter ends shall need epoxy restoration at the end 1 inch of length per wood repair specs.
5. All existing exposed interior surfaces (walls, beams, deck, and columns) and existing surfaces above new accessible ceilings shall be painted to encapsulate the existing lead-based paint to remain.
6. All existing exposed interior surfaces (walls, beams, deck, and columns) and existing surfaces above new accessible ceilings shall be painted to encapsulate the existing lead-based paint to remain.
7. All exposed ceiling decks, beams, ducts, pipes, conduit, boxes, etc. to be painted unless noted otherwise.

PROJECT

A120

13-024

1/8" = 1'-0"

REF. CEILING PLAN - LEVEL 0

LEVEL 0 (Basement)

etsu building 60
IPER center
johnson city, tn

etsu project for

220 w jackson ave knoxville, tn
37902

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ALL EXPOSED CEILING DECKS, BEAMS, DUCTS, PIPES, CONDUIT, BOXES, ETC. TO BE PAINTED UNLESS NOTED OTHERWISE.

1. DO NOT PAINT SPRINKLER HEADS.

2. INSTALL GYPSUM BOARD BULKHEAD WHERE CEILING HEIGHTS STEP.

SEE MECHANICAL, ELECTRICAL, FIRE PROTECTION AND OTHER PLANS FOR MORE INFORMATION ON LIGHT FIXTURES AND OTHER CEILING ITEMS.

ALL EXTERIOR WOOD SOFFIT, RAFTERS, BRACKETS, AND TRIM TO BE REPAINTED.

ASSUME SUBSTRATE CONDITION TO BE MPI DSD 2 PER SPECS. ASSUME 25 PERCENT OF ALL EXTERIOR RAFTER ENDS SHALL NEED EPOXY RESTORATION AT THE END 1 INCH OF LENGTH PER WOOD REPAIR SPECS.

ALL EXTERIOR WOOD SOFFIT, RAFTERS, BRACKETS, AND TRIM TO BE REPAINTED.

ASSUME SUBSTRATE CONDITION TO BE MPI DSD 2 PER SPECS. ASSUME 25 PERCENT OF ALL EXTERIOR RAFTER ENDS SHALL NEED EPOXY RESTORATION AT THE END 1 INCH OF LENGTH PER WOOD REPAIR SPECS.

RCP GENERAL NOTES

1. DO NOT PAINT SPRINKLER HEADS.

2. INSTALL GYPSUM BOARD BULKHEAD WHERE CEILING HEIGHTS STEP.

SEE MECHANICAL, ELECTRICAL, FIRE PROTECTION AND OTHER PLANS FOR MORE INFORMATION ON LIGHT FIXTURES AND OTHER CEILING ITEMS.

ALL EXTERIOR WOOD SOFFIT, RAFTERS, BRACKETS, AND TRIM TO BE REPAINTED.

ASSUME SUBSTRATE CONDITION TO BE MPI DSD 2 PER SPECS. ASSUME 25 PERCENT OF ALL EXTERIOR RAFTER ENDS SHALL NEED EPOXY RESTORATION AT THE END 1 INCH OF LENGTH PER WOOD REPAIR SPECS.
RCP KEYED NOTES

RCP.02 PAINTED EXPOSED WOOD STRUCTURE
RCP.06 NEW PAINTED GYPSUM BOARD CEILING INSET UNDER STAIR LANDING

RCP.09 PAINTED EXPOSED STEEL PAN STAIR STRUCTURE

RCP GENERAL NOTES

1. ALL EXPOSED CEILING DECKS, BEAMS, DUCTS, PIPES, CONDUIT, BOXES, ETC. TO BE PAINTED UNLESS NOTED OTHERWISE.
2. DO NOT PAINT SPRINKLER HEADS.
3. INSTALL GYPSUM BOARD BULKHEAD WHERE CEILING HEIGHTS STEP SEE MECHANICAL, ELECTRICAL, FIRE PROTECTION AND OTHER PLANS FOR MORE INFORMATION ON LIGHT FIXTURES AND OTHER CEILING ITEMS.
4. ALL A.C.T. CLOUDS TO HAVE METAL EDGE TRIM 4" HIGH BY A.C.T. MFR. - COLOR TO MATCH GRID.
5. ASSUME SUBSTRATE CONDITION TO BE MPI DSD 2 PER SPECS. ASSUME 25 PERCENT OF ALL EXTERIOR WOOD SOFFIT, RAFTERS, BRACKETS, AND TRIM TO BE REPAINTED.
6. EPOXY RESTORATION AT THE END 1 INCH OF LENGTH PER WOOD REPAIR SPECS.
7. THE DESIGN DETAIL AND INVENTION OF THIS DRAWING, BEING PROPERTY OF RED CHAIR ARCHITECTS, SHALL NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT.
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
This drawing is intended for the use of the project manager and design coordinator. It is to be used exclusively for the purposes of the renovation project for Johnson City, TN. Any other use not authorized in writing shall be prohibited.

The design detail and invention of this drawing, being property of Red Chair Architects, shall not be copied or disclosed without written consent.

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IPER center
220 W Jackson Ave
Knoxville, TN 37902
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This drawing is drawn by: [Drawn by]

Project manager: [Project manager]
Design coordinator: [Design coordinator]
Issue date: [Issue date]

Drawn by: [Drawn by]

13-024

Blg. Section at G.5 to South
1/8" = 1'-0"

Blg. Section at 1.5 to West
1/8" = 1'-0"

Blg. Section at 8.5 to East
1/8" = 1'-0"

A.13 NEW GUARDRAIL

REVISIONS

No: [No]
Issued by: [Issued by]
Date: [Date]

KEYED NOTES

A.13 NEW GUARDRAIL
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A.8

GALVANIZED SHEET METAL BOX TO MATCH PROFILE OF CHANNEL DRAIN BEHIND CONCRETE HAUNCH MIN. 4" THICKNESS VARYING HORIZONTAL WATERPROOFING ASSEMBLY CAST IN PLACE CONCRETE PAVING THICKNESS VARIES.

4" CONCRETE TOPPING SLAB PER STRUCTURAL ASSEMBLY.

STEEL MEMBER, SEE STRUCT. SPEC.

07 17 00 BENTONITE WATERPROOFING HORIZONTAL WATERPROOFING STOP.

CAST IN PLACE CONCRETE SLAB.

07 50 35 TOTAL ROOFING SYSTEM WARRANTY INSTRUCTIONS.

2" CONCRETE TOPPING SLAB PER STRUCTURAL ASSEMBLY.

STEEL ANGLE AT PORCH EDGES, TYP.

LEVEL 1 1/2" = 1'-0"

LEVEL 1 1/2" = 1'-0"

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The design detail and invention of this drawing, being property of Red Chair Architects, shall not be copied or disclosed without written consent.
Note: The purpose of this drawing is to show standard mounting heights/dimensions for various types of fixtures and accessories. Not all items may be applicable to this project. Refer to plans, details, and specifications for additional information. Mounting heights/dimensions per Americans with Disabilities Act (2010 edition).

When in doubt of a height - ask.

 refer to shop drawings for size of rough opening where required

When in doubt of a height - ask.

Refer to shop drawings for size of rough opening where required.

When in doubt of a height - ask.


When in doubt of a height - ask.

When in doubt of a height - ask.

When in doubt of a height - ask.
1. ENTIRE HORIZONTAL FRONT AND/OR REAR HOISTWAY WALL TO BE LEFT FULLY OPEN AT 03 30 00 CAST-IN-PLACE CONCRETE EACH LANDING - COORDINATE WITH ELEVATOR MANUFACTURER.

2. PIT LADDER BY ELEVATOR MANUFACTURER. CUSTOM. STL. RAILING.

3. COORDINATE LOCATION OF SUMP PIT WITH ELEVATOR MANUFACTURER. PROVIDE FLUSH MOUNTED COVER, OUTLET PER SPECS.

4. PROVIDE A PIT LIGHT FIXUTRE WITH SWITCH AND GUARDS WITH AN ILLUMINATION LEVEL EQ. TO OR GREATER THAN THE REQUIRED BY ASME A17.1/CSA B44 200. PROVIDE MININUM 4-FOOT DOUBLE TUBE FLOURESCENT FIXTURE, WITH SUITABLE GUARD AND MOUNTED TO REAR WALL OF PIT PER ELEVATOR INSTALLATION.

5. COORDINATE ATTACHMENT OF PENTHOUSE LADDER WITH BUILT-IN ELEVATOR CONTROL PANEL.

6. REMOVE EXISTING CONCRETE BEAM TO REMAIN UNDERSIDE OF EXISTING BEAM, V.I.F. ELEVATOR HOISTWAY BEAM.

7. INSTALL NEW WATERPROOFING AT NEW WALL & UNDER SLAB.

8. EXTEND PENTHOUSE ELEVATOR SHAFT TO EXTENTS OF NEW ELEVATOR SHAFT.

9. DEMO EXISTING FLOOR SLAB TO EXTENTS OF NEW ELEVATOR PIT SLAB.

10. DEMO EXISTING PENTHOUSE SLAB BEYOND UNDERSIDE OF EXISTING BEAM, V.I.F.

11. REMOVE EXISTING STEEL ELEVATOR PIT WALL.

12. INSTALL NEW PENTHOUSE MEZZanine.

13. INSTALL NEW Fixed Steel Ladder With Lockable Security Door - Attach Ladder Below And Above Landing Above.

14. EXTEND WATERPROOFING UNDER SLAB & AT NEW WALL.

15. INSTALL NEW ELEVATOR PIT WALL.

16. INSTALL NEW ELEVATOR PIT DEPTH -10' - 0" -14' - 0" -15' - 0".

17. INSTALL NEW ELEVATOR SHAFT WALL.

18. INSTALL NEW CUSTOM STL. RAILING.

19. INSTALL NEW Electric Traction Elevator Controller Built-In Wall, Coordinate Attachment Ladder With Location Of Elevator Controller Below And Above.

20. INSTALL NEW Fixed Steel Ladder With Lockable Security Door - Attach Ladder Below And Above Landing Above.

21. INSTALL NEW SUMP PIT, Coordinate Location With Elevator Manufacturer. Provide Flush Mounted Cover, Outlet Per SPECS.

22. INSTALL NEW ELEVATOR SHAFT Section.

23. INSTALL NEW Elevator Pit - Demo Section.

24. INSTALL NEW Elevator Shaft Section.

25. INSTALL NEW Elevator Pit - Penthouse.

26. INSTALL NEW Elevator Shaft Section.
# FLOOR FINISHES LEGEND

<table>
<thead>
<tr>
<th>Legend</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASE 1</td>
<td>PANEL DOOR, WINDOW FRAME, TRIM</td>
</tr>
<tr>
<td>TRIM 1</td>
<td>TRIM, PULLS, ETCHING</td>
</tr>
<tr>
<td>COAT 1</td>
<td>COATING, BACKGROUNDS, PLASTER, TOILET WALL</td>
</tr>
</tbody>
</table>

## BASE + TRIM LEGEND

<table>
<thead>
<tr>
<th>Legend</th>
<th>Description</th>
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<tbody>
<tr>
<td>WT1-PT#</td>
<td>STAINED HARDWOOD TRIM, RECTANGULAR</td>
</tr>
<tr>
<td>BO</td>
<td>NO BASE (SURFACE OF WALL EXTENDS TO FLOOR)</td>
</tr>
<tr>
<td>BB</td>
<td>BASEBOARD</td>
</tr>
<tr>
<td>TR</td>
<td>TRIM, STAIN/CLEAR COAT AS SPECIFIED (TYPICAL AT BRICK WALLS)</td>
</tr>
<tr>
<td>A</td>
<td>PADDING INTEGRAL TO CARPET BACKING</td>
</tr>
<tr>
<td>RB-1</td>
<td>RUBBER BASE</td>
</tr>
<tr>
<td>WT2-PT#</td>
<td>PAINTED HARDWOOD BASE, SPECIAL PROFILE</td>
</tr>
<tr>
<td>PT-0</td>
<td>UNPAINTED SUBSTRATE- CLEAN + REPAIR</td>
</tr>
<tr>
<td>GAUGE</td>
<td>1/8 INCH</td>
</tr>
<tr>
<td>MANUFACTURER</td>
<td>SHAW</td>
</tr>
<tr>
<td>WHITE</td>
<td>NEUTRAL</td>
</tr>
<tr>
<td>PATTERN</td>
<td>QUARTER TURN</td>
</tr>
<tr>
<td>SIZE</td>
<td>24”x24”</td>
</tr>
<tr>
<td>MANUFACTURER</td>
<td>ROPPE</td>
</tr>
<tr>
<td>CPT-3(-A)</td>
<td>CARPET (OFFICES ON LEVEL 1)</td>
</tr>
<tr>
<td>TW1</td>
<td>TILE WAINSCOTING UP WALL TO 3'-0&quot; AFF</td>
</tr>
<tr>
<td>MANUFACTURER</td>
<td>FIANDRE USA</td>
</tr>
<tr>
<td>GAUGE</td>
<td>1/8 INCH</td>
</tr>
<tr>
<td>COLOR</td>
<td>#100 BLACK</td>
</tr>
<tr>
<td>COLOR</td>
<td>GLEAM 27585</td>
</tr>
<tr>
<td>COLOR</td>
<td>BRONZAGE</td>
</tr>
<tr>
<td>RB-3</td>
<td>RUBBER BASE</td>
</tr>
<tr>
<td>CPT-4</td>
<td>WALK OFF MAT (AT ENTRANCES)</td>
</tr>
<tr>
<td>PATTERN</td>
<td>BRICK</td>
</tr>
<tr>
<td>S</td>
<td>GROUT</td>
</tr>
<tr>
<td>MANUFACTURER</td>
<td>PPG 1040-6 FREEDOM FOUND</td>
</tr>
<tr>
<td>SIZE</td>
<td>24”x24”</td>
</tr>
<tr>
<td>MANUFACTURER</td>
<td>PPG 1041-5 QUICKSILVER</td>
</tr>
<tr>
<td>LIGHT BLUE</td>
<td>ACCENT</td>
</tr>
<tr>
<td>SIZE</td>
<td>3”x6”</td>
</tr>
</tbody>
</table>
| SCHEDULE NOTES

1. SEE INTERIOR ELEVATIONS FOR MULTIPLE/COMPLEX FINISHES
2. PAINT SHEEN SHALL BE AS FOLLOWS:
   - HM FRAMES + STEEL: SEMI-GLOSS
   - ALL OTHER ITEMS: SATIN
3. WHERE STUD WALLS INFILL EXISTING BRICK MASONRY AND CONCRETE OPENINGS, INSTALL WOOD TRIM AT LIPPAGE NOT TO EXCEED 1/8”
4. PAINT ALL EXPOSED STEEL STRUCTURE = PT-4 HM FRAMES + STEEL: SEMI-GLOSS
5. PAINT ALL EXPOSED STEEL STRUCTURE = PT-4 HM FRAMES + STEEL: SEMI-GLOSS
6. AT OCCUPIED AREAS AND WHERE CEILINGS ARE ALL OR PARTIALLY OPEN TO STRUCTURE, ALL EXPOSED ITEMS ARE TO BE PAINTED, INCLUDING PIPING, CONDUIT, ETC.
7. PAINT PORTIONS OF EXPOSED STRUCTURE + INFRASTRUCTURE VISIBLE BETWEEN CLOUDS: PT-3
8. AT WALL AREAS TO RECEIVE DRY-ERASE WALLCOVERING, SKIM COAT SUBSTRATE FOR LEVEL 5 FINISH PER MANUFACTURER RECOMMENDATIONS.
9. ALL TILE GROUT SHALL BE EPOXY-MODIFIED TYPE ANSI A118.3 AT FLOOR AND BASE. CEMENTITIOUS GROUT (ANSI 118.7) MAY BE USED AT WALLS.
10. TRIM AT PANEL DOORS, WINDOWS, ETC. WT1-PT-1
11. PAINT STEEL PLATE AT OPENINGS AND STEEL COLUMN CAPITALS: PT-4
12. ALL EXTERIOR WINDOWS, DOORS + CASING PAINTED PT-1 SEMI-GLOSS AT INTERIOR. EXTERIOR TO MATCH MANUFACTURER.
13. WALL MOUNTED GLASS PANEL SYSTEMS PER SPECS
14. PAINT PORTIONS OF EXPOSED STRUCTURE + INFRASTRUCTURE VISIBLE BETWEEN CLOUDS: PT-3
15. ALL TILE GROUT SHALL BE EPOXY-MODIFIED TYPE ANSI A118.3 AT FLOOR AND BASE. CEMENTITIOUS GROUT (ANSI 118.7) MAY BE USED AT WALLS.
16. USE PT-2 AT LOW WALLS AND PT-1 AT ALL TRIM
17. SEE INTERIOR ELEVATIONS FOR LOW WALLS + TRIM AT FAN COIL UNITS.
18. PAINT EXPOSED BEAMS + COLUMNS PT-3, METAL COLUMN CAPS PT-4. SEE CLG PT# FOR DECK PAINT COLOR
19. PAINT ALL STEEL STAIR STRUCTURE PT-4
20. PAINT ALL EXPOSED STEEL STRUCTURE = PT-4 HM FRAMES + STEEL: SEMI-GLOSS
21. ALL OTHER CONSTRUCTION TO BE PAINTED SATIN UNLESS OTHERWISE NOTED
22. THE END OF THIS DRAWING IS INTENDED TO BE CONTINUED ON ANOTHER SHEET.

# COATINGS LEGEND

<table>
<thead>
<tr>
<th>Legend</th>
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<tbody>
<tr>
<td>STN</td>
<td>STAIN/CLEAR COAT AS SPECIFIED (TYPICAL AT BRICK WALLS)</td>
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<tr>
<td>PPS</td>
<td>PAINTED HARDWOOD BASE, SPECIAL PROFILE</td>
</tr>
<tr>
<td>P/S</td>
<td>UNPAINTED SUBSTRATE- CLEAN + REPAIR</td>
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# FLOOR FINISHES LEGEND

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<th>Description</th>
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<tbody>
<tr>
<td>COF</td>
<td>CONCRETE FLOOR TO REMAIN CONCRETE</td>
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<tr>
<td>CCR</td>
<td>CONCRETE SLAB OVER VAPOR BARRIER</td>
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<tr>
<td>CS-1</td>
<td>COBBLESTONES</td>
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</tbody>
</table>

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1. ELECTRICAL DEVICES, INCLUDING RECEPTACLES, SWITCHES
   THAT APPEAR TO BE AT OR ABOVE FLOOR LEVEL SHOULD BE
   BASED AT OR ABOVE FLOOR LEVEL.

2. LIGHT FIXTURE HOUSINGS AND TRIM SHALL BE WHITE WHERE
   RB-1: RUBBER BASE
   CARPET:
   PER DRAWINGS (MATCH HISTORIC WOOD BASE PROFILE AND SIZE)
   OTHER LOCATIONS SHALL BE CLR. ANODIZED ALUMINUM
   GAUGE: 1/8 INCH

3. TW1: TILE WAINSCOTING UP WALL TO 3'-0" AFF
   STYLE: PINNACLE, NO TOE
   MANUFACTURER: FIANDRE USA
   GAUGE: 1/8 INCH
   BLACK
   STYLE: GLIMMER 59329
   SIZE: 12"x24" FIELD - 4"x24" BULLNOSE TRANSITION TO WALL BELOW
   COLOR: GLEAM 27585
   PATTERN: BRICK
   MANUFACTURER: SHAW
   GROUT: LATICRETE DUSTY GREY 60
   PT-6 PPG 1040-6 FREEDOM FOUND
   TYPE: ASTM F-1861 TS, GROUP 1
   STYLE: PINNACLE, NO TOE
   STYLE: BONJOUR II TILE 5T032
   NOTED OTHERWISE) WITH BULLNOSE TOP
   PT-7 PPG 1041-5 QUICKSILVER
   SIZE: 6 INCH HEIGHT
   MANUFACTURER: DALTILE
   LIGHT BLUE ACCENT
   COLOR: #100 BLACK
   STYLE: RITTENHOUSE SQUARE

4. WB1-PT#: PAINTED HARDWOOD BASE, RECTANGULAR
   SIZE: 3"x6"
   GOLD ACCENT
   GROUT: TEC STANDARD WHITE
   B: TCNA METHOD OVER ELEVATED CONCRETE SLAB (THIN SET)
   C: TCNA METHOD OVER WOOD DECK WITH CBU (THIN SET)
   STAINLESS STEEL TRANSITIONS AND STAIR NOSINGS AT ALL CERAMIC TILE
   TRANSITION TO CONCRETE FLOOR: SCHLUTER-SCHIENE-EB
   TRANSITION TO RESILIENT FLOOR: SCHULER- RENO-U-EB
   MANUFACTURER: FORMICA

5. TF-3: FLOOR TILE (TO MATCH LOW WALL IN BASEMENT
   MANUFACTURER: FIANDRE USA
   STYLE: SHEN
   FINISH: HONED
   (JOINT OFFSET@ 2" FROM WALL EDGE / 1" FROM RAIL POSTS
   AT INSIDE EDGE)
   3/16" GROUT: LATICRETE DUSTY GREY 60
   (A- ACOUSTIC BACKING/UNDERLAYMENT BY FLOORING
   3/16" (B- ACOUSTIC BACKING/UNDERLAYMENT BY FLOORING
   B- TCNA METHOD OVER ELEVATED CONCRETE SLAB (THIN SET)
   C: TCNA METHOD OVER WOOD DECK WITH CBU (THIN SET)
   STAINLESS STEEL TRANSITIONS AND STAIR NOSINGS AT ALL CERAMIC TILE
   TRANSITION TO CONCRETE FLOOR: SCHLUTER-SCHIENE-EB
   TRANSITION TO RESILIENT FLOOR: SCHULER- RENO-U-EB
   MANUFACTURER: FORMICA

6. SS-P: STAINLESS STEEL PANELS (SATIN)
   STYLE: SHEN
   FINISH: HONED
   (JOINT OFFSET@ 2" FROM WALL EDGE / 1" FROM RAIL POSTS
   AT INSIDE EDGE)
   3/16" GROUT: LATICRETE DUSTY GREY 60
   (A- ACOUSTIC BACKING/UNDERLAYMENT BY FLOORING
   3/16" (B- ACOUSTIC BACKING/UNDERLAYMENT BY FLOORING
   B- TCNA METHOD OVER ELEVATED CONCRETE SLAB (THIN SET)
   C: TCNA METHOD OVER WOOD DECK WITH CBU (THIN SET)
   STAINLESS STEEL TRANSITIONS AND STAIR NOSINGS AT ALL CERAMIC TILE
   TRANSITION TO CONCRETE FLOOR: SCHLUTER-SCHIENE-EB
   TRANSITION TO RESILIENT FLOOR: SCHULER- RENO-U-EB
   MANUFACTURER: FORMICA

7. WELDROD: W0635

GENERAL NOTES - FINISHES

- CONCRETE SHALL NOT BE POLISHED UNLESS SPECIFIED IN DETAIL.
- MATERIALS TO BE FIXED TO CONCRETE SHALL BE MACHINED TO A 45° ANGLE.
- CONCRETE FLOORING SHALL BE NON-SLIPpery MATERIAL.
- ALL WALLS TO BE PAINTED WITH ONE COAT OF WATER-BASED PRIMER.
- ALL EXPOSED STEEL STRUCTURE TO BE PAINTED.
- ALL EXPOSED WOOD COLUMNS TO BE STAINED.
- ALL EXPOSED BRICK WALLS TO BE WHITE.
- ALL EXPOSED CONCRETE WALLS TO BE SHOWN.
- ALL EXPOSED CONCRETE FLOORS TO BE SHOWN.
- ALL EXPOSED CONCRETE CEILINGS TO BE SHOWN.
- ALL EXPOSED CONCRETE WALKWAYS TO BE SHOWN.
- ALL EXPOSED CONCRETE PLANTERS TO BE SHOWN.
- ALL EXPOSED CONCRETE EDDIES TO BE SHOWN.
- ALL EXPOSED CONCRETE CEILINGS TO BE SHOWN.
- ALL EXPOSED CONCRETE WALKWAYS TO BE SHOWN.
- ALL EXPOSED CONCRETE PLANTERS TO BE SHOWN.
- ALL EXPOSED CONCRETE EDDIES TO BE SHOWN.
- ALL EXPOSED CONCRETE CEILINGS TO BE SHOWN.
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- ALL EXPOSED CONCRETE CEILINGS TO BE SHOWN.
- ALL EXPOSED CONCRETE WALKWAYS TO BE SHOWN.
- ALL EXPOSED CONCRETE PLANTERS TO BE SHOWN.
- ALL EXPOSED CONCRETE EDDIES TO BE SHOWN.
- ALL EXPOSED CONCRETE CEILINGS TO BE SHOWN.
**Key Notes:**

1. **I.44 Hospital Bed Headwall**
   - 85" long x 9" high x 6" deep at 50" A.F.F.
   - Furnished by owner installed by contractor.
   - Provide blocking.

---

**Lintel Sections:**

1. **H.F. SIM 311-321 - N. Elev.**
   - 1/4" = 1'-0"

2. **H.F. SIM 311-321 - S. Elev.**
   - 1/4" = 1'-0"
**BASE + TWIN LEGEND**

- **BASE**
  - E: EPOXY PAINT
  - RB-1: RUBBER BASE
  - TYP. @ INTERIOR-WALLS, EXISTING CONSTRUCTION TO REMAIN (VIF)
  - EWB: EXISTING WB2 (PATCH, REPAIR)
  - TV: TWIN WAINSCOTTING UP WALL TO 3'-0" AFF
  - TW: TWIN WAINSCOTTING UP WALL TO 4'-0" AFF
  - PT: PAINTED WILDWOOD BASE
  - E: EPOXY PAINT
  - RB-1: RUBBER BASE
  - PPD.: PREPRINTED DESIGN

- **STYLES**
  - PINNACLE, NO TOE
  - MANSARD TRANSITION
  - FLUSH

- **FINISH**
  - ALUMINUM-CLR ANODIZED

- **GRATE**
  - 1/4" = 1'-0"

**BASE PER**

**BASE FINISHES LEGEND**

- **BASE**
  - E: EPOXY PAINT
  - RB-1: RUBBER BASE
  - PT: PAINTED WIELDWOOD BASE

- **STYLES**
  - PINNACLE, NO TOE
  - MANSARD TRANSITION

- **FINISH**
  - ALUMINUM-CLR ANODIZED

**KEYED NOTES**

- **BASE PER**
  - 1/4" = 1'-0"

**DRAWING INFORMATION**

- **DRAWN BY**
  - 2 Addendum 3 10/17/2016
  - 1 Addendum 1 8/11/2016

- **CHECKED BY**
  - 2 Addendum 3 10/17/2016
  - 1 Addendum 1 8/11/2016

- **ISSUED BY**
  - 2 Addendum 3 10/17/2016
  - 1 Addendum 1 8/11/2016

- **DATE**
  - 2 Addendum 3 10/17/2016
  - 1 Addendum 1 8/11/2016

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**A603**

**INTERIOR ELEVATIONS - LOBBIES**

**etsu building 60**

**IPER CENTER**

**johson city, tn**

13-024
1. Existing masonry openings installed with glazed framing shall be field verified for fit prior to fabrication. Dimensions given are for general guidance; each opening should be expected to vary and shall be custom fit.

2. View panels and muntins shall be equally spaced in the sash with the number of panes as drawn.

3. Glazed panels shall be engineered by the window fabricator to meet 2006 IBC Chapter 24 load and safety requirements. Adjust pane thickness as required for pane size and application.

GENERAL NOTES - OPENINGS

1. Existing masonry openings installed with glazed framing shall be field verified for fit prior to fabrication. Dimensions given are for general guidance—each opening should be expected to vary and shall be custom fit.

2. View panels and muntins shall be equally spaced in the sash with the number of panes as drawn.

3. Glazed panels shall be engineered by the window fabricator to meet 2006 IBC Chapter 24 load and safety requirements. Adjust pane thickness as required for pane size and application.

Insulated Glazing Unit (Low E) 1
Insulated Glazing Unit (Low E) - Tempered 2
Clear Float Glass 3
Clear Safety Glass - Tempered 4
Clear Safety Glass with translucent glazing film - Tempered 5
Clear Float Glass with one way mirror film 6
Clear Safety Glass with one way mirror film 7
Fire Protective Rated Glazing 9

KEYED NOTES

1/2" = 1'-0"

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etsu
building 60
IPER center
1306 W Jackson Ave
Knoxville, TN 37902
865.633.9058
865.633.9059
www.redchairarchitects.com

Design: Architect
Check: Architect
Issue: Architect

Project: A803
Date: 6/24/2016

A803 Glazing elevations

Wood framed glazing
1 elevations
1/2" = 1'-0"

Steel framed glazing
2 elevations
1/2" = 1'-0"
### Door Schedule - Basement

<table>
<thead>
<tr>
<th>Mark</th>
<th>Panel</th>
<th>Quantity</th>
<th>Panel Height</th>
<th>Panel Width</th>
<th>Panel Thickness</th>
<th>Material</th>
<th>Glazing Type</th>
<th>Head Detail</th>
<th>Jamb Detail</th>
<th>Sill Detail</th>
<th>Fire Rating</th>
<th>Door Hardware</th>
<th>Notes - see below</th>
<th>Mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>302</td>
<td>B12</td>
<td>1</td>
<td>7'-0&quot;</td>
<td>3'-0&quot;</td>
<td>1 3/4&quot; WD</td>
<td>F</td>
<td>-- HM-1</td>
<td>13/A830</td>
<td>20/A830</td>
<td>--</td>
<td>016</td>
<td>B10B</td>
<td>B12</td>
<td>37902</td>
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<tr>
<td>342</td>
<td>B12</td>
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<td>3'-0&quot;</td>
<td>1 3/4&quot; WD</td>
<td>F</td>
<td>-- HM-1</td>
<td>13/A830</td>
<td>20/A830</td>
<td>--</td>
<td>016</td>
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<td>37902</td>
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<tr>
<td>343</td>
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<td>7'-0&quot;</td>
<td>3'-0&quot;</td>
<td>1 3/4&quot; WD</td>
<td>F</td>
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<td>13/A830</td>
<td>20/A830</td>
<td>--</td>
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<td>F</td>
<td>-- HM-1</td>
<td>13/A830</td>
<td>20/A830</td>
<td>--</td>
<td>016</td>
<td>B10B</td>
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<td>37902</td>
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<tr>
<td>360</td>
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<td>F</td>
<td>-- HM-1</td>
<td>13/A830</td>
<td>20/A830</td>
<td>--</td>
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<td>B12</td>
<td>37902</td>
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### Door Schedule - Level 2

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<th>Panel Height</th>
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<th>Material</th>
<th>Glazing Type</th>
<th>Head Detail</th>
<th>Jamb Detail</th>
<th>Sill Detail</th>
<th>Fire Rating</th>
<th>Door Hardware</th>
<th>Notes - see below</th>
<th>Mark</th>
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<td>302</td>
<td>B12</td>
<td>1</td>
<td>7'-0&quot;</td>
<td>3'-0&quot;</td>
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<td>F</td>
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<td>9/A830</td>
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<td>218</td>
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<tr>
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<td>3'-0&quot;</td>
<td>1 3/4&quot; WD</td>
<td>F</td>
<td>-- HM-1</td>
<td>13/A830</td>
<td>20/A830</td>
<td>--</td>
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<td>216</td>
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<td>1 3/4&quot; WD</td>
<td>F</td>
<td>-- HM-1</td>
<td>13/A830</td>
<td>20/A830</td>
<td>--</td>
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### Door Schedule - Level 1

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<th>Panel</th>
<th>Quantity</th>
<th>Panel Height</th>
<th>Panel Width</th>
<th>Panel Thickness</th>
<th>Material</th>
<th>Glazing Type</th>
<th>Head Detail</th>
<th>Jamb Detail</th>
<th>Sill Detail</th>
<th>Fire Rating</th>
<th>Door Hardware</th>
<th>Notes - see below</th>
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### Door Schedule - Level 3

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</tbody>
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### Glazing Panel Legend
- INSULATED GLASS (IGU)
- THERMAL BREAK GLASS (TBG)
- LAMINATED GLASS (LAM), TEMPERED
- CLEAR FLOAT GLASS
- CLEAR SAFETY GLASS (LAM, TBG)
- CLEAR SAFETY GLASS WITH FRAMELESS
- CLEAR FLOAT GLASS WITH ONE 50% MIRRORS
- CLEAR FLOAT GLASS WITH TWO 50% MIRRORS
- CLAD SAFETY GLASS WITH FRAMELESS
- FIRE PROTECTIVE RATED GLASS
- HINGE OPERATED DOOR
- FIRE SAFETY GLASS (LAM, TBG)
- FIRE SAFETY GLASS (LAM, TBG)
- FIRE SAFETY GLASS (LAM, TBG)

### Notes - Door Schedule
- All doors must comply with NFPA 80, Standard for Accessible Means of Egress in Buildings.
- All doors must be fire-rated as required by local codes.
- Doors with access control (Onity) shall be noted.
- Stainless steel traffic doors with acrylic vision panels shall be noted.

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1. All windows and doors shall be inset such that interior face of window frame masonry wall, unless otherwise noted.

2. One continuous piece in a given plane.

3. All required joints in TWF shall be made.

4. Fill with insulation per spec.

5. The interior and exterior of the opening shall be weatherproofed and soundproofed appropriately.

6. All exterior metal to be trimmed with existing coating.

7. Apply water repellent.

8. Clean existing masonry to remain.

9. Detail to conform with head, jamb & sill.

10. Head B at Brick Walls

11. Head B at Plaster Walls

12. Head A at Brick Walls

13. Edge of existing opening beyond.

14. Jamb B at Brick Walls

15. Jamb B at Plaster Walls

16. Sill B at Brick Walls

17. Sill B at Plaster Walls

18. Sill A at Brick Walls

19. Sill A at Plaster Walls

20. 1 1/2" = 1'-0"
FROM FACE OF EXISTING SLAB

2"
1/4"
1 1/2"
3/4"

3/4" PLYWOOD
EXISTING STAIR LANDING
1X SOLID WOOD FLOORING
3/4" CORK

EXPANSION JOINT

3X2 STEEL ANGLE,
EPOXY STUD INTO SLAB,
CLEAR COAT PER SPEC

3X2 STEEL ANGLE,
EPOXY STUD INTO SLAB,
CLEAR COAT PER SPEC

1/4" STEEL PLATE,
CLEAR COAT PER SPEC

1/4" SHIM SPACE.
BACKER ROD & SEALANT BOTH SIDES

PAINTED GYP. BOARD

PROVIDE "J" METAL BEAD, TYP.
GLAZING, SEE SPEC.

3/4" DRYWALL "T" ANGLE MOLDING
BY DRYWALL SUSPENSION MANUF.

3/4"

3"

GLAZING, SEE SPECS

COUNTER SUNK SCREW WITH MATCHING WOOD PLUG @ 16" O.C.

ELEVATOR DOOR STAINLESS STEEL
ELEVATOR JAMB

5/4" WOOD TRIM

GYP. BOARD OVER LIGHT GAGE FRAMING

CMU HOISTWAY WALL

STAINLESS STEEL JAMB
BY ELEVATOR MANUF.
EXISTING WALL
NEW CMU WALL, WRAP BACK TO HOISTWAY WALL
ELEVATOR DOOR

ELVATOR DOOR CMU HOISTWAY WALL

3" = 1'-0"

DISTANCE BETWEEN 2 PANELS AV IS 4"

1/2"

DPM HEAT TAP WALL

DPM ROUTED FOR AIR VENT

WALL TREATED W/ SEALANT

ELEV. JAMB - BASEMENT REAR

ELEV. JAMB - BASEMENT - TYP.

A832 - Head, jamb & sill details

A832
I.01 DRY ERASE WHITE BOARD - 4'X6'. BY FURNITURE VENDOR - PROVIDE BLOCKING

I.02 WALL MOUNT FLAT SCREEN TV. BY O.I.T. - PROVIDE BLOCKING

I.12 UNDERCOUNTER DISHWASHER. FURN. BY OWNER INSTALLED BY CONTRACTOR.

I.16 SEATING AND TABLES BY FURNITURE VENDOR

I.28 DOUBLE BED WITH MATTRESS. BY FURNITURE VENDOR

I.29 DRESSER. BY FURN. VENDOR

I.33 REFRIGERATOR/FREEZER W/ WATER & ICE MACHINE. BY FOOD SERVICE VENDOR. PROVIDE BLOCKING IN WALLS FOR MISC. WALL MOUNTED EQUIPMENT IN A ZONE 40" A.F.F. TO 70" A.F.F. FROM CORNER OF ROOM TO EXTEND PAST SINK 12 INCHES.

I.35 EXAM TABLE. BY HEALTHCARE SIMULATION EQUIPMENT PROVIDER

I.46 ENT EXAM BAR FURN. & INSTALLED BY OWNER. PROVIDE BLOCKING FOR 12" HIGH X 48" WIDE AREA CENTERED AT 54" A.F.F. OR 16" ABOVE HOSPITAL HEADWALL.

I.47 WALL-MOUNTED CHARTING STATION (EQUAL TO PETER PEPPER PRODUCTS MODEL # GTR36 W/ POWER - COLOR BY ARCHITECT) IN CONSTRUCTION CONTRACT. MOUNT COUNTER AT 42" AFF. PROVIDE BLOCKING, ELEC & COMM.

I.48 INSTALL BLOCKING IN WALLS FOR MISC. WALL MOUNTED EQUIPMENT IN A ZONE 40" A.F.F. TO 70" A.F.F. FROM CORNER OF ROOM TO EXTEND PAST SINK 12 INCHES.
FURNITURE VENDOR - PROVIDE BLOCKING
I.02 WALL MOUNT FLAT SCREEN TV. BY O.I.T. - PROVIDE BLOCKING

VENDOR I.38 PROCEDURE BED. BY HEALTHCARE SIMULATION EQUIPMENT PROVIDER

I.41 RECIRCULATING HOOD EQUIPMENT. FURN & INSTALLED BY OWNER.

I.44 HOSPITAL BED HEADWALL 85" LONG X 9" HIGH X 6" DEEP AT 50" A.F.F. FURN. BY OWNER INSTALLED BY CONTRACTOR. PROVIDE BLOCKING.

OWNER. PROVIDE BLOCKING FOR 12" HIGH X 48" WIDE AREA CENTERED AT 54" A.F.F. OR 16" ABOVE HOSPITAL HEADWALL.

I.50 PROVIDE BLOCKING IN ENTIRE WALL BETWEEN 36" A.F.F. AND 72" A.F.F. TO SUPPORT MISC. WALL MOUNTED EQUIPMENT.

a renovation project for
etsu
building 60
IPER center
johnson city, tn

220 w jackson ave  knoxville, tn
220 w jackson ave. knoxville, tn

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Addendum 1

03/11/16

project manager

design coordinator

issue date

checked by

etsu

building 60

IPER center

220 w jackson ave  knoxville, tn

37902

v | 865.633.9058   f | 865.633.9059

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The design detail and invention of this drawing, being property of red chair architects, shall not be copied or disclosed without written consent.
NOTICE OF REVISIONS

1. All reinforced masonry shall conform to provisions of ACI 318, "Building Code Requirements for Structural Concrete and Commentary on Building Code Requirements for Structural Concrete." Water proofing shall be in accordance with the manufacturer’s recommendations.

2. Section shall be built with a minimum of 1-1/2" thick and a 3,000 P.S.I. minimum concrete in accordance with ACI 301. Mortar and grout shall be a minimum of Type I cement and a minimum of 500 P.S.I. minimum compressive strength as per ACI 301.

3. For out-of-tolerance masonry, adjustments are to be made as per the existing condition. All openings in the masonry shall be finished to a smooth, tight, and solid finish as per the architect’s specifications.

4. Masonry shall be laid with a 1/4" mortar joint and the finished wall to be a minimum of 8" thick. Mortar and grout shall be installed in accordance with ACI 301.

5. All masonry shall be in accordance with the architect’s specifications and the standard methods of installation. Mortar and grout shall be a minimum of Type I cement and a minimum of 500 P.S.I. minimum compressive strength as per ACI 301.

6. Masonry shall be laid with a 1/4" mortar joint and the finished wall to be a minimum of 8" thick. Mortar and grout shall be installed in accordance with ACI 301.

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ANCHOR - 24"oc MAX.
- COORD. w/ CORES
3/4"DIA HEADED
WATERPROOF
P.C. CONC. PLANK
RIGID INSULATION
WEATHERING SLAB
SECTION AT PRECAST BEARING

STEEL BEAM - SEE PLAN
STEEL COLUMN - BACKER BAR
STEEL BEAM - CONN. TYP.
SHEAR
STANDARD
BACKER BAR

SECTION AT ELEVATOR PT AT EXIST. COLUMN

SECTION AT ELEVATOR PT AT EXIST. UNDERPINNING

SECTION AT ELEVATOR PT AT EXIST. COLUMN

SECTION AT COLUMN SHORING

PLAN OF DIAGONAL BRACING

FOOTING STEP

CONTROL Joint

1" = 1'-0" S204
REFERENCE NOTES

FA100
ALARM PLAN

GENERAL NOTES

1. PROVIDE A SMOKE DETECTOR IN ELEVATOR PIT.
2. PROVIDE HEAT DETECTORS IN ELEVATOR PIT WITHIN 2 FEET MAGNETIC DOOR HOLDERS TO RELEASE UPON ACTIVATION OF,

WALL LEGEND

- DEMOLISH WALL - ASSEMBLY
- EXISTING TO REMAIN
- NEW STUD WALL
- NEW CMU WALL
- NON-RATED SMOKE BARRIER (PER NFPA 101)
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- NON-RATED SMOKE PARTITION (PER IBC 508.2)
- NEW BRICK / BRICK VENEER WALL

1/8" = 1'-0"
MONITOR KNOX BOX TAMPER SWITCH AS SUPERVISORY CONDITION
FIRE ALARM REMOTE ANNUNCIATOR WITH VOICE EVAC REMOTE
MAGNETIC DOOR HOLDERS TO RELEASE UPON ACTIVATION OF FIRE
FIRST FLOOR FIRE ALARM PLAN
REFER TO SHEET E001 FOR FIRE ALARM LEGEND.

1. MICROPHONE. MOUNT RECESSED IN WALL, TOP AT 5'-6" AFF.

MAINTAIN WALL RATING BEHIND ENCLOSURE.

3. www.redchairarchitects.com

OF FIRE ALARM CONTROL PANEL, SET MONITOR MODULE IN ELECTRICAL ROOM 151.

NOTE #3

NOTE #1
MAGNETIC DOOR HOLDERS TO RELEASE UPON ACTIVATION OF FIRE ALARM

REFER TO SHEET E001 FOR FIRE ALARM LEGEND.

ADL KIT.

WALL LEGEND
- EXISTING WALL
- NEW STUD WALL
- NEW BRICK / BRICK VENEER WALL
- NEW CMU WALL
- NON-RATED SMOKE BARRIER (PER NFPA 101)
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- NON-RATED SMOKE PARTITION (PER IBC 508.2)

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johnson city, TN

SECOND FLOOR FIRE ALARM PLAN

GENERAL NOTES
1. FABRIC TO SHEET E001 FOR FIRE ALARM LEGEND

REFERENCE NOTES
1. MAGNETIC DOOR HOLDERS TO RELEASE UPON ACTIVATION OF FIRE ALARM SYSTEM

PROJECT NO.

DRAWN BY

CHECKED BY

ISSUED BY:

PROJECT MANAGER

ISSUE DATE

DESCRIPTION

PROGRESS

FA102

SECOND FLOOR FIRE ALARM PLAN
PROVIDE A SMOKE DETECTOR IN TOP OF SHAFT.

Lobby

THIS DETECTOR HIGH IN LOFTED AREA ABOVE.

PROVIDE ADDRESSABLE CONTROL MODULE TO SHUT DOWN
MAGNETIC DOOR HOLDERS TO RELEASE UPON ACTIVATION OF

PROVIDE HEAT DETECTORS IN TOP OF ELEVATOR SHAFT
THIRD FLOOR FIRE ALARM PLAN
MONITOR AND CONTROL MODULE FOR ELEVATOR SHUT-DOWN

A3

STORAGE

GENERAL NOTES

1.

V

REFERENCE NOTES

2.

220 w jackson ave knoxville, tn

POWER TO ELEVATOR.

3.

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WITHIN 2 FEET FROM EVERY SPRINKLER HEAD, VIF.

4.

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FIRE ALARM SYSTEM.

5.

6.

FSD

361A

HI-FI   SIM. A

361B

HI-FI   SIM. B

361C

HI-FI   SIM. C

361D

HI-FI   SIM. D

I.T. ROOM

MULTIPURPOSE

LAB

COMPONING

SIM.

VEST.

STAGING

SKILLS BAY

corridor

SERVER

RACK

FILE

ELEC.

MECH.

VEH. PARKING

DEBRIEF /
ORIENTATION

SIM. DIR.

OFFICE

RESTROOM

STO.

CORRIDOR

MECH.

VEST.

RACK

FILE

ELEC.

MECH.

VEH. PARKING

DEBRIEF /
ORIENTATION

SIM. DIR.

OFFICE

RESTROOM

STO.

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DEBRIEF /
ORIENTATION

SIM. DIR.

OFFICE

RESTROOM

STO.

CORRIDOR

MECH.

VEST.

RACK

FILE

ELEC.

MECH.

VEH. PARKING

DEBRIEF /
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OFFICE

RESTROOM

STO.
FIRE SPRINKLER SYSTEM NOTES:

1. FIRE SPRINKLER CONTRACTOR SHALL PROVIDE A FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATIONなかのコンピュータシステムに後向き位置

2. FLEXIBLE COUPLINGS SHALL BE INSTALLED WITHIN 12" ABOVE AND WITHIN 24" BELOW THE SPRINKLER HEAD.

3. ALL DETAIL DESIGN DRAWINGS AND CALCULATIONS SHALL BE SEALED BY A SPRINKLER SYSTEM ENGINEER OR R.M.E. LICENSED IN THE STATE OF TENNESSEE.

4. THE SPACES ARE CLASSIFIED AS "LIGHT HAZARD" (EXCEPT WHERE NOTED BELOW) THROUGHOUT THE SYSTEM. DESIGN CALCULATIONS SHALL INCLUDE SPRINKLERS TO PROVIDE A DESIGN DENSITY OF 0.10 GPM/SQ. FT. FOR THESE OCCUPANCIES. JANITOR CLOSETS, MECHANICAL ROOMS, PENTHOUSE, AND CHEMICAL STORAGE ROOMS SHALL BE CLASSIFIED AS "ORDINARY HAZARD", USING A DESIGN DENSITY OF 0.15 GPM/SQ. FT.

5. THE SPACES ARE CLASSIFIED AS "LIGHT HAZARD" (EXCEPT WHERE NOTED BELOW) THROUGHOUT THE SYSTEM. DESIGN CALCULATIONS SHALL INCLUDE SPRINKLERS TO PROVIDE A DESIGN DENSITY OF 0.10 GPM/SQ. FT. FOR THESE OCCUPANCIES. JANITOR CLOSETS, MECHANICAL ROOMS, PENTHOUSE, AND CHEMICAL STORAGE ROOMS SHALL BE CLASSIFIED AS "ORDINARY HAZARD", USING A DESIGN DENSITY OF 0.15 GPM/SQ. FT.

6. QUICK RESPONSE SIDEWALL SPRINKLERS SHALL BE INSTALLED AT EACH STAIRWAY PIPE CLAMP FOR RATING PER NFPA 13 STANDARDS.

7. ESTIMATED FLOW TEST AND MAINTENANCE.

8. WHERE C-TYPE CLAMPS ARE USED TO ATTACH HANGERS TO THE BUILDING STRUCTURE, NO-THREAD SWIVEL SWAY BRACE ATTACHMENT SHOULD BE USED.

9. SEISMIC BRACING SHALL BE DESIGNED TO PREVENT BOTH TRANSVERSE AND LONGITUDINAL DISPLACEMENT FORCES.

10. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR INSTALLATION AND MONITORING OF PRESSURE GAUGE.

11. CONTRACTOR SHALL SUPPLY FLEXIBLE PIPE COUPLINGS ON ALL PIPES 2" OR LARGER AT ALL FLEXIBLE JOINTS PER NFPA 13. FLEXIBLE COUPLINGS SHALL ALSO BE PROVIDED FOR ADDITIONAL SEISMIC BRACING AS NEEDED ACCORDING TO SEISMIC LOAD CALCULATION.

12. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR INSTALLATION AND MONITORING OF CHECK VALVE.

13. SPARE HEAD CABINET SHALL BE LOCATED AS CLOSE TO RISER AS POSSIBLE AND MUST BE CENTER OR QUARTERED IN CEILING TILE UNLESS NOTED OTHERWISE. ALL SPRINKLERS IN GRID CEILING TO BE ON RETURN BENDS OR UTILIZE FLEXIBLE SPRINKLER DROP.

14. THE PRESENT WATER SUPPLY SYSTEM SERVING THE FACILITY HAS BEEN DETERMINED AS BEING ADEQUATE FOR THE FIRE PROTECTION SYSTEM.

15. THE SPACES ARE CLASSIFIED AS "LIGHT HAZARD" (EXCEPT WHERE NOTED BELOW) THROUGHOUT THE SYSTEM. DESIGN CALCULATIONS SHALL INCLUDE SPRINKLERS TO PROVIDE A DESIGN DENSITY OF 0.10 GPM/SQ. FT. FOR THESE OCCUPANCIES. JANITOR CLOSETS, MECHANICAL ROOMS, PENTHOUSE, AND CHEMICAL STORAGE ROOMS SHALL BE CLASSIFIED AS "ORDINARY HAZARD", USING A DESIGN DENSITY OF 0.15 GPM/SQ. FT.

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18. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR INSTALLATION AND MONITORING OF CHECK VALVE.

19. SEISMIC BRACING SHALL BE DESIGNED TO PREVENT BOTH TRANSVERSE AND LONGITUDINAL DISPLACEMENT FORCES.

20. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR INSTALLATION AND MONITORING OF PRESSURE GAUGE.

21. CONTRACTOR SHALL SUPPLY FLEXIBLE PIPE COUPLINGS ON ALL PIPES 2" OR LARGER AT ALL FLEXIBLE JOINTS PER NFPA 13. FLEXIBLE COUPLINGS SHALL ALSO BE PROVIDED FOR ADDITIONAL SEISMIC BRACING AS NEEDED ACCORDING TO SEISMIC LOAD CALCULATION.

22. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR INSTALLATION AND MONITORING OF CHECK VALVE.

23. SEISMIC BRACING SHALL BE DESIGNED TO PREVENT BOTH TRANSVERSE AND LONGITUDINAL DISPLACEMENT FORCES.

24. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR INSTALLATION AND MONITORING OF PRESSURE GAUGE.

25. CONTRACTOR SHALL SUPPLY FLEXIBLE PIPE COUPLINGS ON ALL PIPES 2" OR LARGER AT ALL FLEXIBLE JOINTS PER NFPA 13. FLEXIBLE COUPLINGS SHALL ALSO BE PROVIDED FOR ADDITIONAL SEISMIC BRACING AS NEEDED ACCORDING TO SEISMIC LOAD CALCULATION.

26. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR INSTALLATION AND MONITORING OF CHECK VALVE.

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28. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR INSTALLATION AND MONITORING OF PRESSURE GAUGE.

29. CONTRACTOR SHALL SUPPLY FLEXIBLE PIPE COUPLINGS ON ALL PIPES 2" OR LARGER AT ALL FLEXIBLE JOINTS PER NFPA 13. FLEXIBLE COUPLINGS SHALL ALSO BE PROVIDED FOR ADDITIONAL SEISMIC BRACING AS NEEDED ACCORDING TO SEISMIC LOAD CALCULATION.

30. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR INSTALLATION AND MONITORING OF CHECK VALVE.

31. SEISMIC BRACING SHALL BE DESIGNED TO PREVENT BOTH TRANSVERSE AND LONGITUDINAL DISPLACEMENT FORCES.
SPRINKLERS SHALL BE CENTERED IN ACOUSTICAL TILES WHERE APPLICABLE.

SPRINKLER DESIGNER TO SUBMIT PRELIMINARY DESIGN OF PIPING/HEAD LAYOUT FOR ARCHITECTS APPROVAL.

1. Addendum 1 8/11/2016

GENERAL NOTES:

1. SPRINKLERS SHALL BE CENTERED IN ACOUSTICAL TILES WHERE APPLICABLE.

2. SPRINKLER DESIGNER TO SUBMIT PRELIMINARY DESIGN OF PIPING/HEAD LAYOUT FOR ARCHITECTS APPROVAL.

PROJECT DATE: 6/24/2016

DRAWN BY:

CHECKED BY:

ISSUED BY:

NORTH PROJECT

BASEMENT PLAN

WALL LEGEND

DEMOLISH WALL / ASSEMBLY
EXISTING TO REMOVE
NEW STUD WALL
NEW CMU WALL
NEW BRICK / BRICK VENEER WALL
1 HOUR RATED FIRE BARRIER (PER NFPA 101)
2 HOUR RATED FIRE BARRIER
NON-RATED SMOKE BARRIER (PER NFPA 101)
NON-RATED SMOKE PARTITION (PER IBC 508.2)

1/8" = 1'-0"
MINIMIZE EXPOSURE TO SPRINKLER LINE IN CEILING AREAS OPEN TO STRUCTURE & CAREFULLY COORDINATE WITH OTHER TRADES. LNIES TO BE HIGH & TIGHT TO STRUCTURE. ARCHITECT TO APPROVE ROUTE AESTHETICS

The design detail and invention of this drawing, being property of red chair architects, shall not be copied or disclosed without written consent.
General Notes:
1. Sprinklers shall be centered in acoustical tile where applicable.
2. Sprinkler designer to submit preliminary design of piping/head layout for architects approval.

Wall Legend:
- DEMOLISH WALL - EXISTING
- EXISTING TO REMAIN
- NEW STUD WALL
- NEW CMU WALL
- NEW BRICK/BRICK VENEER WALL
- NON-RATED SMOKE BARRIER (PER NFPA 101)
- NON-RATED SMOKE PARTITION (PER IBC 508.2)
- 1-HOUR RATED FIRE BARRIER
- 2-HOUR RATED FIRE BARRIER
- NON-RATED SMOKE PARTITION (PER NFPA 101)
SANITARY SEWER SECOND FLOOR PLAN

WALL LEGEND
- EXISTING CMU WALL
- NEW STUD WALL
- NEW CMU WALL
- HOLLOWCORE VENEER WALL
- CINDER BLOCK WALL
- CONCRETE CMU WALL
- EIGHT HOUR RATED FIRE BARRIER
- FOUR HOUR RATED FIRE BARRIER
- THREE HOUR RATED FIRE BARRIER
- TWO HOUR RATED FIRE BARRIER
- ONE HOUR RATED FIRE BARRIER
- HALF HOUR RATED FIRE BARRIER
- NON-RATED SMOKE PARTITION (PER IBC 508.2)
- NON-RATED SMOKE BARRIER (PER NFPA 101)

1 1/2" V 1 1/2"SS FROM ABOVE
1 1/2"V UP
1 1/2"SS DOWN
1 1/2"V FROM BELOW
3"V UP
3"SS DOWN
2"V UP
2"SS DOWN
2"V FROM ABOVE
2"V FROM BELOW
3"V FROM BELOW
1 1/2"V 2"V FROM ABOVE
1 1/4" CONDENSATE FROM EACH AIR HANDLER TO FD1

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MECHANICAL SITE PLAN

- 12" DIP
- 10" RCP
- 6" PVC

- anchoring with anchor plates & "link seal" at all manhole penetrations.
- scope of work includes demolition of existing steam and steam condensate piping and replacement with new underground conduit system. reference specifications 23 22 14.
- contractor to verify size of existing steam and steam condensate piping.
- grout around manhole ring.
- reach top of groove with manhole ring and cover elevation equal to neenah r-1740d brick courses to joints shall be tongue and o-ring gasket.
- Typical 16" C/C

- Mechanical Site Plan
- Revision no: 13-024
- Issue date: 6/24/2016
- Checked by: DRH
- Drawn by: project manager
- Design coordination: etsu building 60
- Project manager: IPER center
- 220 w jackson ave knoxville, tn 37902
- v | 865.633.9058   f | 865.633.9059
- www.redchairarchitects.com

The design, plans, and specifications are the property of Red Chair Architects, and may not be copied or disclosed without written consent.
A. RECTANGULAR DUCT:

- Heating Hot Water
- Operator, of Steel Construction.

Min. Primary (P.D.)

<table>
<thead>
<tr>
<th>CFM</th>
<th>IN. WG.</th>
<th>MBH (GPM)</th>
<th>FT. WG. DISCHARGE</th>
</tr>
</thead>
</table>

- Radiated type 2 operation for less than 10" wide.

B. ROUND DUCT:

- JCI

Responsible for installation of fire and/or smoke dampers in accordance with the specifications.

VAV

LAMINATE LINER INSTALL IN ACCORDANCE WITH SECTION III OF SMACNA’S "HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE".

W. CONDENSATE DRAIN PIPING SHALL BE FULL SIZE PER EQUIPMENT CONNECTION WITH PVC ROUTED TO INDIRECT SUPPORT. FLEXIBLE DUCTWORK SHALL BE SUPPORTED IN A MANNER THAT PREVENTS CONSTRICTION OR DIPS.

X. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATE THE APPROXIMATE ROUTING OF PIPING AND WHEN POSSIBLE.

Y. COMPLETE A MOUNTED THERMOSTAT IN THE DISCHARGE DUCT OF EACH AIR HANDLING UNIT.

Z. A BIMETAL THERMOMETER SHALL BE INSTALLED IN THE DISCHARGE DUCT OF EACH AIR HANDLING UNIT.

ALTERNATE MANUFACTURERS: CARRIER, LG

EQUIPMENT TO BE ARI CERTIFIED AND UL APPROVED.

FILTER RACK AND FILTER FURNISHED WITH UNIT.

B. WALL MOUNTED THERMOSTAT

M. EXPERIMENTAL CONSTRUCTION ALTHOUGH INTEGRAL VOLUME BALANCING DEVICES SHALL BE IN ACCORDANCE WITH IMC (2012) 603.18.

P. THE CONSTRUCTION IS RESPONSIBLE TO PROVIDE LENZI'S (Indirectly Vapo-Fume) with all associated construction details. Lenzi's shall furnish a complete mechanical engineering study which will be subtracted from the project's final construction documents. Lenzi's shall be responsible for selecting a type of pipe and/or fittings to be incorporated into the project's final construction documents.

Q. THE CONTRACTOR SHALL PROVIDE TRANSFORMER FOR CONTROLS OF UNITS, SEE ALSO ELECTRICAL DRAWINGS.

R. THE CONTRACTOR SHALL PROVIDE TRANSFORMER FOR CONTROLS OF UNITS, SEE ALSO ELECTRICAL DRAWINGS.

S. THE CONTRACTOR SHALL PROVIDE TRANSFORMER FOR CONTROLS OF UNITS, SEE ALSO ELECTRICAL DRAWINGS.

T. THE CONTRACTOR SHALL PROVIDE TRANSFORMER FOR CONTROLS OF UNITS, SEE ALSO ELECTRICAL DRAWINGS.

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BB. THE CONTRACTOR SHALL PROVIDE TRANSFORMER FOR CONTROLS OF UNITS, SEE ALSO ELECTRICAL DRAWINGS.

CC. THE CONTRACTOR SHALL PROVIDE TRANSFORMER FOR CONTROLS OF UNITS, SEE ALSO ELECTRICAL DRAWINGS.

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EE. THE CONTRACTOR SHALL PROVIDE TRANSFORMER FOR CONTROLS OF UNITS, SEE ALSO ELECTRICAL DRAWINGS.

FF. THE CONTRACTOR SHALL PROVIDE TRANSFORMER FOR CONTROLS OF UNITS, SEE ALSO ELECTRICAL DRAWINGS.

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NN. THE CONTRACTOR SHALL PROVIDE TRANSFORMER FOR CONTROLS OF UNITS, SEE ALSO ELECTRICAL DRAWINGS.

OO. THE CONTRACTOR SHALL PROVIDE TRANSFORMER FOR CONTROLS OF UNITS, SEE ALSO ELECTRICAL DRAWINGS.
### Central Station VAV Air Handling Unit with Chilled Water/Hot Water Schedule

<table>
<thead>
<tr>
<th>Central Station VAV Air Handling Unit with Chilled Water/Hot Water Schedule</th>
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<tbody>
<tr>
<td><strong>Model No.</strong></td>
</tr>
<tr>
<td>CL-01</td>
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<td>CL-02</td>
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<tr>
<td>CL-03</td>
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<td>CL-04</td>
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<td>CL-05</td>
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<tr>
<td>CL-06</td>
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### Condensate Receiver Pump Unit Schedule

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### Air Cooled Chiller Schedule

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### Shell & Tube Heat Exchanger Schedule

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<td>SH-06</td>
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### VAV Box with Hot Water Reheat Coil Schedule

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<tbody>
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### Blower Coil Unit Schedule

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<td>BC-03</td>
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<td>BC-04</td>
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<tr>
<td>BC-05</td>
</tr>
<tr>
<td>BC-06</td>
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</tbody>
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**Notes:**
- Provide marine light with exterior switch in each section containing access doors.
- Cooling coil face velocity shall not exceed 500 FPM.
- AHU-1 provide filter mixing box with MERV 8 filters. Hot water preheat coil, 15" coil access section, chilled water coil, 15" coil section, hot water reheat coil, 15" coil section.
- Provide sound attenuation package for compressors.
- Chiller shall use 410A refrigerant (air cooled scroll).
- Provide 5 year compressor warranty.
- Ratings in accordance with ARI Standard 550-590.
- Provide seismic vibration isolators.
- Provide modulating controllers sensing return water temperature.
- Provide 3" drilled flanges for pressure gauges.
- Provide carbon/ceramic mechanical seals.
- Provide suction diffuser with strainer.
1. WALL ASSEMBLY - The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

   A. Studs - Wall framing shall consist of steel channel studs to be min 3-1/2 in. wide and spaced max 24 in. OC.

   B. Retaining Angles - Min 16 gauge galv steel angles sized to lap duct a min of 2 in. (51 mm) and lap wall surfaces a min of 1 in. (25 mm). Angles attached to duct on both sides of wall with min 1/2 in. (13 mm) long, No. 10 (or larger) sheet metal screws spaced a max 1 in. (25 mm) from each end and spaced a max 6 in. (152 mm) OC.

   C. Steel Duct - Nom 10 in. diam (or smaller) No. 28 gauge (or heavier) galv steel vent duct.

   D. Gypsum Board* - Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max size of opening eccentrically within opening. Annular space between duct and periphery of opening to be min 0 in. (point contact) to max 2 in. (51 mm). Duct to be rigidly supported on both sides of wall assembly.

   E. HVAC Duct - Any UL classified concrete blocks*. Max diam of opening is in solid lightweight or normal weight concrete. Floor is 32 in. Max diam of opening in floor constructed of hollow-core. See concrete blocks (CAZT) and precast concrete units (CFTV) categories in the fire resistance directory for names of manufacturers.

2. THROUGH PENETRANT - One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

   A. Steel Pipe - Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

   B. Iron Pipe - Nom 30 in. diam (or smaller) cast or ductile iron pipe.

   C. Conduit - Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or smaller) type M (or heavier) copper tube.

   D. Copper Tubing - Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

3. MIN ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF THROUGH OPENING IS ZERO IN. (POINT CONTACT). PIPE CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

   A. Steel Pipe - Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

   B. Iron Pipe - Nom 30 in. diam (or smaller) cast or ductile iron pipe.

   C. Conduit - Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or smaller) type M (or heavier) copper tube.

   D. Copper Tubing - Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

   E. HVAC Duct - Any UL classified concrete blocks*. Max diam of opening is in solid lightweight or normal weight concrete. Floor is 32 in. Max diam of opening in floor constructed of hollow-core. See concrete blocks (CAZT) and precast concrete units (CFTV) categories in the fire resistance directory for names of manufacturers.

4. A minimum 1/4 in. diam bead of caulk shall be applied at the wallboard/penetrant interface at both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at both surfaces of the wall assembly.

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*BEARING THE UL CLASSIFICATION MARKING
The design detail and invention of this drawing, being property of red chair architects, shall not be copied or disclosed without written consent.
<table>
<thead>
<tr>
<th>PANEL</th>
<th>BUS RATING</th>
<th>VOLTAGE</th>
<th>PHASE 1</th>
<th>PHASE 2</th>
<th>PHASE 3</th>
<th>BUS CO.</th>
<th>ENCLOSED</th>
<th>MOUNTING</th>
<th>COMMENTS</th>
</tr>
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<tbody>
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</table>

**Notes:**
- BUS RATING: 200 AMP
- VOLTAGE: 480V
- PHASES: 3

**Panel Details:**
- No. of Panel: [Indicate number]
- Bus Connection: [Provide connection details]
- Enclosure: [Specify type and dimensions]
- Mounting Surface: [Describe surface and conditions]

**Additional Information:**
- Panel specifications and operational notes may vary depending on specific requirements and site conditions.
COORDINATE ANY LIGHTING RELOCATIONS

REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR FINAL LIGHTING.

NEW CMU WALL
NEW BRICK / BRICK VENEER WALL
2 HOUR RATED FIRE BARRIER
NON-RATED SMOKE PARTITION (PER IBC 508.2)

etsu building 60
IPER center
johnson city, tn
Refer to architects reflected ceiling plan for final lighting.

Penthouse lighting plan

General Notes:
1. Refer to architects reflected ceiling plan for final light disposition.
2. Complete lighting and lighting fixtures with proper type and location.

Walls Legend:
- Exterior Wall - Assembly
- Exposed Concrete & Steel
- New CMU Wall
- New CMU Wall

References Notes:
1. Refer to architects reflected ceiling plan for final light disposition.
2. Complete lighting and lighting fixtures with proper type and location.
ENLARGED 17' ROOM 450 60 AV E53 POWER PLAN

IN AUDITORIUM PROVIDE LARGE 6-GANG POWER, COMM & A/V FLOOR RECEPTACLE IN CEILING FOR PROJECTOR.

WORK TO MINIMIZE EXPOSED CONDUIT ON THE INTERIOR OF THE BUILDING.

CONNECT HAND-DRYER (RECESSED) 120V, 4.5A EACH. VERIFY 8"X8"X4" RECESSED WALL BOX WITH SCREW COVER.

ENLARGED I.T. ROOM B52 & SIM AV B53 POWER PLAN

A0-22,24,26,28,30,32
1. As A B/C FLOOR PLANS, PROVIDE 2 100% DUPLICATE, 6 COPIES EACH OF PLAN, ELEVATIONS, Structural, Building, MECH., ELEC., ARCHITECTURAL.
2. PREPARE STAKEOUT PLAN FOR 2-D SIM AV.
3. SHOW SIM AV EQUIPMENT LOCATIONS.

BASEMENT POWER PLAN

1. PROVIDE LAVATORY IN EACH COMMONS.
2. PROVIDE 1 STAIR & 1 ELEVATOR.
3. PROVIDE 1 SET OF RESTROOMS NEAR STUDY.
4. PROVIDE 1 IN DRUM ROOM (FLOOR 2).
**EQUIPMENT SCHEDULE**

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<th>CTR.</th>
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<th>VOLTS</th>
<th>PHASE</th>
<th>AMPS</th>
<th>CONNECTION</th>
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**SELECTED POWER DISTRIBUTION**

- **FIRST FLOOR POWER PLAN**
- **ENLARGED POWER PLAN**
- **ENLARGED LT. ROOM 152 POWER PLAN**

**WALL LEGEND**

- **MINIMAL WALL / ASSEMBLY**
- **EXISTING TO REMAIN**
- **NEW EAVES**
- **NEW DETAIL**
- **NEW INCH / OAK VENETIAN WALL**
- **NEW VAPOR BARRIER (PER U A P 14)**
- **NEW VAPOR BARRIER**
- **NEW VAPOR BARRIER (PER U A P)**

**NOTES**

- **EXISTING TO REMAIN**
- **NEW DETAIL**
- **NEW VAPOR BARRIER (PER U A P 14)**
- **NEW VAPOR BARRIER**
- **NEW VAPOR BARRIER (PER U A P)**

**POWER PLAN**

- **FIRST FLOOR POWER PLAN**
- **ENLARGED POWER PLAN**
- **ENLARGED LT. ROOM 152 POWER PLAN**

This drawing and associated details are the property of Red Chair Architects and may not be copied or disclosed without written permission.
PROVIDE SERVICE RECEPTACLE AND SERVICE LIGHT WITH 34 GF +38"
FOR ELEVATOR MAIN POWER DISCONNECT PROVIDE HANDLE 26 J
THIRD FLOOR POWER PLAN

ENLARGED I.T. ROOM 352 & AV 352a POWER PLAN

1 HOUR RATED FIRE BARRIER

NEW CMU WALL

NEW STUD WALL

EXISTING TO REMAIN

WIRE MOLD V6000 SURFACE METAL
DIRECTLY BELOW IN WALL AT 18" AFF ON PURPOSE CLASSROOM AREAS; INSTALL
SKILLS BAY.

1/4" = 1'-0"

304 A3-9,11
325 A3-27

26 B3-2,4

20 B3-13,15,17

23 B3-2,4,6

19 C3-16,18,20

18 A3-20,22,24

12 A3-3

11 A3-15,17,19

13-024

STAIR A

B3-7,9,11

B3-22,24

STAIR B

B3-19,21

STAIR C

B3-14,16,18

ELEVATOR

ELEVATOR CONTROLS

ELEC. RACK

ELEC. RACK

HI-FI SIM.

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SECOND FLOOR MECHANICAL POWER PLAN

CONNECT THROUGH VFD OR STARTER AS REQUIRED FOR CONTROL.

REFERENCE NOTES

1. DRIVE OR STARTER FURNISHED BY MECHANICAL TRADE.

DEMOLISH WALL / ASSEMBLY
NEW STUD WALL
NEW CMU WALL
NEW BRICK / BRICK VENEER WALL
NON-RATED SMOKE BARRIER (PER NFPA 101)
1 HOUR RATED FIRE BARRIER
2 HOUR RATED FIRE BARRIER
NON-RATED SMOKE PARTITION (PER IBC 508.2)

E302
SECOND FLOOR MECHANICAL POWER

The design detail and invention of this drawing, being property of Red Chair Architects, shall not be copied or disclosed without written consent.
PROVIDE BUSHING ON OPEN END OF CONDUIT. MTD 18" AFF, UNO. STUB UP 12" ABOVE CEILING. EXTEND (2) CAT6 TO IDF AV CONDUIT WITH PULLSTRING FROM BOX TO LOCATION ABOVE ACCESSIBLE CEILING AS INDICATED ON DRAWINGS.

MOUNT BOX ABOVE CEILING AT LOCATION SHOWN OR ON ADJACENT WALL IN OPEN CEILING AREAS.

PROVIDE BUSHING ON OPEN END OF CONDUIT. MTD 42" AFF, UNO. STUB UP 12" ABOVE CEILING. EXTEND (2) CAT6 TO RACK UNLESS NOTED OTHERWISE. "3" INDICATES NUMBER OF CABLES WHERE MORE THAN TWO. "AV" INDICATES PROVIDE HDMI, VGA, 3.5mm AUDIO, CATV, AND (2) CAT6 PER CAMPUS STANDARDS. "3" INDICATES NUMBER OF CABLES WHERE MORE THAN TWO.

CUSTOM AV WALL BOX WITH HDMI, VGA, 3.5mm AUDIO, CATV, AND (2) CAT6 PER CAMPUS STANDARDS FROM FLOOR SIM A/V BETWEEN FLOORS, TYPICAL.

CCTV CAMERA, WALL OR CEILING MOUNT AS REQUIRED; PROVIDE CAT6 BACK TO RACK, TERMINATE ONE #4 GREEN TO EACH RACK.

WALL MOUNTED TV OUTLET WITH  ONE RG6 AND (2) CAT6 TO IT ROOM, 60" AFF UNO, 1 1/4" EMT CONDUIT, 4 11/16" 1 1/4", #2G GREEN INSULATED.

COMBINATION PHONE AND DATA OUTLET. PROVIDE 4" SQUARE BOX WITH SINGLE GANG DEVICE RING. STUB 1 3/8.

PROVIDE APPROPRIATE NYLON PULLSTRING/ROPE IN ALL EMPTY CONDUITS.
4#18 & CAT 5 IF CARD READER IS SHOWN

POWER WITHIN DOOR

HINGE, IF REQ'D

LATCH BOLT

SOLENOID OR ELECTRIC STRIKE

3/4" CONDUIT; MINIMUM

NOTES:

1. ALL ELECTRICALY HELD EGRESS DOORS MUST RELEASE FROM THE INTERIOR BY WAY OF THE HANDLE, PANIC BAR, OR FIRE ALARM INPUT.

2. PANIC HARDWARE SHALL BE FACTORY EQUIPPED WITH FAIL-SAFE EMERGENCY RELEASE CONTACT.

3. ALL DOORS AND FRAMES SHALL BE FACTORY PREPARED FOR ALL SECURITY LOCKS, STRIKES AND HARDWARE.


5. ALL CONDUIT AND WIRING SHALL BE CONCEALED IN WALL OR ABOVE CEILING LEVEL.

6. CONTRACTOR SHALL SUPPLY ALL REQUIRED ACCESSORY EQUIPMENT SUCH AS POWER TRANSFER HINGES, POWER SUPPLIES, RELAYS, ETC.

48"

6"

1/2"; 2#18

DOOR POSITION SWITCH

1/2"; 2#18

ELECTRIC DOOR STRIKE WITH INTEGRAL BOLT POSITION SWITCH

PROX/CARD READER WHERE SHOWN ON DRAWINGS (ON EXTERIOR OR EGRESS PATH OR SECURED SPACE)

1/2", WITH CAT5
1. PROVIDE 12 STRAND AND 6 STRAND, 62.5UM MULTI-MODE FIBER LOOP TO FACP FOR NETWORK. (LOOP IN AND OUT)

2. PROVIDE CAT 6 CABLE DROP TO ENERGY METERING EQUIPMENT.

3. PROVIDE CAT6 CABLE DROP TO BUILDING DDC (BMS) CONTROL SYSTEM FOR MECHANICAL, DATA & ALARM TO CAMPUS NETWORK.

4. WALL RACK FOR AUDITORIUM A/V EQUIPMENT.

5. PATH FOR COMMUNICATIONS SERVICE ENTRANCE, CORE EXTERIOR TO REMAIN.

6. PROVIDE CAT6 RATED J HOOKS ALONG ENTIRE LENGTH OF CHASE, 48" O.C. COORDINATE WITH OTHER TRADES.

7. SEE ES100 FOR CONDUITS.

8. SEE T104 FOR ENLARGED IT ROOM DETAILS.

9. ALL HORIZONTAL DATA CABLING ON TIS FLOOR SHALL EXTEND UP TO ROOM 152 AND TERMINATE.

10. RELOCATE EXISTING FIBER OPTIC SPLICE CABINET FOR FIRE ALARM SYSTEM TO NEW LOCATION.

11. PROVIDE CAT6 CABLE DROP TO BUILDING DDC (BMS) CONTROL SYSTEM FOR MECHANICAL, DATA & ALARM TO CAMPUS NETWORK.

12. ACCESS CONTROL (SEABOND), CCTV, AND A/V EQUIPMENT RACK ARE LOCATED HERE IN LIEU OF IT ROOM. THIS SERVES FLOORS 6 THROUGH 8 IN LIEU OF IT ROOM.

GENERAL NOTES:

1. ALL CABLES SHALL BE BENT TO A MINIMUM RADIUS OF CURVATURE.

2. ALL CABLES SHALL BE SUPPORTED PER DIVISION 27 OF THE SPECIFICATIONS.

3. ALL CABLE TRAYS SHALL BE SUPPORTED PER THE MFG.


5. ALL CABLES SHOULD BE SECURED TO WALLS AND CEILINGS AS REQUIRED.

6. ALL CABLES SHOULD BE SECURED TO WALLS AND CEILINGS AS REQUIRED.
REFERENCE NOTES

1. PROVIDE CAT6 CABLE DROP TO BUILDING DDC (BMS) CONTROL SYSTEM FOR MECHANICAL.
   SEE T104 FOR ENLARGED IT ROOM DETAILS.

3. FOR OUTDOOR WIRELESS ACCESS POINT, PROVIDE CAT6 DATA JACK ABOVE CEILING IN ADJACENT INTERIOR OFFICE WITH PLATE, INSTALL A PATCH CABLE BETWEEN WAP AND FACE 220 W JACK.

GENERAL NOTES

1. ALL CABLE TRAY SECTIONS SHALL BE BONDED TOGETHER WITH #8 GREEN BONDING JUMPER AT ALL JOINTS.

2. ALL CABLE TRAYS SHALL BE BONDED TO TMGB OR TGB IN IT/TR ROOM ON EACH FLOOR.

3. GROUNDING AND BONDING SHALL BE BY DIVISION 26 ELECTRICAL CONTRACTOR; ALL CABLING, TERMINATIONS AND TESTING BY DIVISION 27 COMMUNICATIONS CONTRACTOR.

4. BALANCE CABLES IN CABLE TRAY EVENLY, AT STARTING POINTS AND EVERY 40 FT INSTALL TRAPEZE TYPE HANGER TO PREVENT TWISTING.
1. PROVIDE CAT6 CABLE DROP TO BUILDING DDC (BMS) CONTROL

REFERENCE NOTES

2. PROJECTOR LOCATION A/V CABLES AND CAT6; CEILING MOUNTED.

3. DATA PORTS MARKED "AV" WILL HAVE (2) STANDARD DATA CABLES AND (2) SPECIAL PURPOSE DATA CABLES LANDED IN SEPERATE PATCH PANEL WITH YELLOW JACKS.

DEMOLISH WALL / ASSEMBLY EXISTING TO REMAIN

NEW CMU WALL

NEW BRICK / BRICK VENEER WALL

1 HOUR RATED FIRE BARRIER

2 HOUR RATED FIRE BARRIER

NON-RATED SMOKE BARRIER (PER NFPA 101)

NON-RATED SMOKE PARTITION (PER IBC 508.2)

13-024

1 Addendum 1 8/11/2016

The design detail and invention of this drawing, being property of Red Chair Architects, shall not be copied or disclosed without written consent.
1. PROVIDE CAT6 CABLE DROP TO BUILDING 60 DDC (BMS) CONTROL SYSTEM FOR MECHANICAL.

2. PROJECTOR LOCATION A/V CABLES AND CAT6; CEILING MOUNTED.

3. ACCESS CONTROL (SEABOND), CCTV, AND A/V EQUIPMENT RACK ARE LOCATED HERE IN LIEU OF IT ROOM. THIS SERVES FLOORS 2ND AND 3RD.

4. SEE T104 FOR ENLARGED IT ROOM DETAILS.

5. DATA PORTS MARKED "AV" WILL HAVE (2) STANDARD DATA CABLES AND (2) SPECIAL PURPOSE DATA CABLES LANDED IN SEPARATE PATCH PANEL WITH YELLOW JACKS.

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**WALL LEGEND**

- **DEMOLISH WALL / ASSEMBLY**
- **EXISTING TO REMAIN**
- **NEW STUD WALL**
- **NEW BRICK / BRICK VENEER WALL**
- **NON-RATED SMOKE BARRIER (PER NFPA 101)**
- **1 HOUR RATED FIRE BARRIER**
- **2 HOUR RATED FIRE BARRIER**
- **NON-RATED SMOKE PARTITION (PER IBC 508.2)**
- **INSTALL ROUGH-IN BOXES FOR POWER, WITH HORIZONTAL P-RINGS. INSTALL DEVICES AND PLATES IN FACE OF RACEWAY, TYPICAL ALL**
- **WIREMOLD G6000 SURFACE, METAL RACEWAY WITH DIVIDERS FOR POWER AND DATA/AV**
- **13-024**
- **1/8" = 1'-0"**
- **6/24/2016**
- **1 Addendum 1 8/11/2016**

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**GENERAL NOTES**

1. ALL CABLE TRAYS SHALL BE BONDED TOGETHER WITH #8 GREEN BONDING JUMPER AT ALL JOINTS.
2. ALL CABLE TRAYS SHALL BE BONDED TO TMGB OR TGB IN IT/TR ROOM ON EACH FLOOR.
3. ALL ROUGH-IN BOXES, FLOOR BOXES, CONDUITS, CABLE TRAYS, GROUNDING AND BONDING SHALL BE BY DIVISION 26 ELECTRICAL DIVISION 27 COMMUNICATIONS CONTRACTOR.
4. BALANCE CABLES IN CABLE TRAY EVENLY, AT STARTING POINTS AND EVERY 40 FT INSTALL TRAPEZE TYPE HANGER TO PREVENT TWISTING.
1. **ALL ROUGH-IN, CONDUIT, BOXES, FLOOR BOXES, AND CABLE TRAYS SHOWN ON THIS PLANS IS TO BE FURNISHED AND INSTALLED BY BUILDING MANAGEMENT CONTRACTOR.**

2. **ALL CABLE TRAYS SHALL BE BONDED TO TMGB OR TGB IN IT/TR ROOM ON EACH FLOOR.**

3. **GROUNDING AND BONDING SHALL BE BY DIVISION 26 TESTING BY DIVISION 27 COMMUNICATIONS CONTRACTOR.**

**REFERENCES**:  
- **TYPICAL DETAIL ON SHEET T002.**
GENERAL NOTES:
1. ALL ROUGH-IN, CONDUIT, BOXES, FLOOR BOXES, AND CABLE TRAYS SHOWN ON THIS PLAN IS TO BE FURNISHED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR.
2. FIELD VERIFY ALL EXACT A/V LOCATIONS VERSUS DRAKE SYSTEMS DRAWINGS PRIOR TO ROUGH-IN.
3. ALL CABLE TRAY SECTIONS SHALL BE BONDED TOGETHER WITH #8 GREEN BONDING JUMPER AT ALL JOINTS.
4. ALL ROUGH-IN BOXES, FLOOR BOXES, CONDUITS, CABLE TRAYS SHALL BE BONDED TO TMGB OR TGB IN IT/TR ROOM ON EACH FLOOR.
5. ALL CABLING, TERMINATIONS AND TESTING BY DIVISION 27 COMMUNICATIONS CONTRACTOR.

WALL LEGEND
- DEMOLISH WALL / ASSEMBLY
- NEW STUD WALL
- NEW CMU WALL
- NEW BRICK / BRICK VENEER WALL
- NON-RATED SMOKE BARRIER (PER NFPA 101)
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- NON-RATED SMOKE PARTITION (PER IBC 508.2)

REFERENCE NOTES:
1. THIS CABLE TRAY IS MOUNTED ABOVE THE DATA CABLE TRAY. SEE TYPICAL DETAIL ON SHEET T002.