STATE PROJECT NUMBER 166/005-01-2014CM

D.P. CULP EXPANSION & RENOVATION

EAST TENNESSEE STATE UNIVERSITY
JOHNSON CITY, TENNESSEE

PREPARED FOR:

TENNESSEE BOARD of REGENTS
Office of Facilities Development
1 Bridgestone Park
Nashville, Tennessee 37214

PREPARED BY:

MOODY·NOLAN
1625 Broadway
Fourth Floor
Nashville, TN 37203
(615) 386-9690

BLS
207 East Main Street
Suite 3c
Johnson City, Tennessee 37604
(423) 928-1175

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CODE SUMMARY

BEARING WALLS: 2 HR (1 HR FOR INTERIOR WALL ROOF SUPPORT)
NON-BEARING INTERIOR WALLS: 0 HR
VERTICAL CIRCULATION: 2 HR
STRUCTURE: 2 HR (1 HR FOR ROOF SUPPORT)
FLOORS: 2 HR
ROOF: 1 HR
COMMON PATH OF TRAVEL (IBC, SECTION 1014.3) = 100 FT. MAXIMUM, DUE TO AUTOMATIC SPRINKLER SYSTEM
EXIT PATH OF TRAVEL DISTANCE (IBC, 1016.1) = 300 FT. DUE TO AUTOMATIC SPINKLER SYSTEM
DEAD END CORRIDOR (IBC, SECTION 1017.3) = 50 FT. MAXIMUM DUE TO AUTOMATIC SPRINKLER SYSTEM

SITE ADDRESS:
412 JL SEEHORN JR RD
JOHNSON CITY, TENNESSEE 37614

BUILDING CODES:
2012 INTERNATIONAL BUILDING CODE
2012 INTERNATIONAL FUEL GAS CODE
2012 INTERNATIONAL MECHANICAL CODE
2012 INTERNATIONAL PLUMBING CODE
2012 INTERNATIONAL PROPERTY MAINTENANCE CODE
2012 INTERNATIONAL FIRE CODE
2012 INTERNATIONAL ENERGY CONSERVATION CODE
2012 INTERNATIONAL EXISTING BUILDING CODE
2012 NFPA 101 LIFE SAFETY CODE
2012 INTERNATIONAL RESIDENTIAL CODE
2011 NATIONAL ELECTRIC CODE
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
ICC A117.1-2009 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES

BUILDING DATA:
CONSTRUCTION TYPE: IBUSE GROUP: BUSINESS (B) & ASSEMBLY (A-3)
ALLOWABLE HEIGHT: UNLIMITED
ACTUAL HEIGHT: 58'-0"
ALLOWABLE AREA SF: UNLIMITED
ALLOWABLE AREA INCREASE FOR SPRINKLERS: N/A
ALLOWABLE AREA INCREASE FOR OPEN PERIMETER: N/A
ACTUAL FLOOR AREAS:
TOTAL: 162,454 SF RENOVATION AND NEW (R&N)/ 228,863 SF OVERALL (OA)
LOWER LEVEL: 62,786 SF R&N/ 68,164 SF OA
MIDDLE LEVEL: 46,220 SF R&N/ 68,835 SF OA
UPPER LEVEL: 53,448 SF R&N/ 91,864 SF OA

50% CONSTRUCTION DOCUMENTS 10/17/2017
2. USE LIGHTWEIGHT BLOCK PARTITIONS ON ALL FRAMED FLOORS.

1. FOR LOCATION OF MISCELLANEOUS ITEMS (SUCH AS OPENINGS, INSERTS, ETC.) AFFECTING

4. ALL CONCRETE WEDGE TYPE ANCHORS SHOWN SHALL BE HILTI KWIK BOLTS OR EQUAL.

2. FOOTINGS WERE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF.  ALL

4. THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE 24" MINIMUM BELOW FINISHED GRADE

7. ELEVATIONS SHOWN THUS, "TOF = ", ARE APPROXIMATE TOPS OF FOOTING/PILE CAP

3. SNOW LOADS ARE AS FOLLOWS:

UNLESS NOTED OTHERWISE.

STRUCTURAL WORK, SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.  ALL OPENINGS

ENGINEER'S REPORT.

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ENGINEER'S REPORT.
3. For concrete elements, perform additional inspections in accordance with Section 1705.3. - -

1. Observe drilling operations and maintain complete and accurate records for each element. X -

b. Grouting of bonded prestressing tendons in the seismic-force-resisting system. X ACI 318: 18.18.4

a. Application of prestressing forces. X ACI 318: 18.20

6. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform

8. Inspection for maintenance of specified curing temperature and techniques. 50% ACI 318: 5.11-5.13 1910. 9

7. Inspection of concrete and shotcrete placement for proper application techniques. X ACI 318: 5.9, 5.10 1910.6, 1910.7, 1910.8

3. Perform classification and testing of compacted fill materials. X

5. Prior to placement of compacted fill, observe subgrade and verify that site has been properly prepared. X

3. Document acceptance or rejection of steel elements. X X

Cold formed steel roof deck welds. 50% 50%

1. Floor and roof deck welds. 50% AWS D1.3

3) Shear reinforcement. X AWS D1.4, ACI 318: 3.5.2

2) Inspect the fabrication of the placement and grouting components. X

4) Other reinforcing steel. 50% AWS D1.4, ACI 318: 3.5.2

7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge. - -

3. Observe driving operations and maintain complete and accurate records for each element. X -

b. Welding of structural steel and boundary elements of special structural walls of concrete and shear reinforcement.

1) Floor and roof deck welds. 50% AWS D1.3

2) Inspect the fabrication of the placement and grouting components. X

3) Shear reinforcement. X AWS D1.4, ACI 318: 3.5.2

4) Other reinforcing steel. 50% AWS D1.4, ACI 318: 3.5.2

5. Prior to placement of compacted fill, observe subgrade and verify that site has been properly prepared. X

3. Document acceptance or rejection of steel elements. X X

Cold formed steel roof deck welds. 50% 50%

1. Floor and roof deck welds. 50% AWS D1.3

3) Shear reinforcement. X AWS D1.4, ACI 318: 3.5.2

2) Inspect the fabrication of the placement and grouting components. X

4) Other reinforcing steel. 50% AWS D1.4, ACI 318: 3.5.2

8. Document acceptance or rejection of welded joint or member. X X

7. Repair activities. X X

6. Backing removed and weld tabs removed (if required). X X

f. Undercut. X X
d. Weld profiles. X X
b. Weld/base-metal fusion. X X
a. Interpass and final cleaning. 10% 10%
e. Preheat applied. 10% 10%

b. Travel speed. 10% 10%
a. Wind speed within limits. 10% 10%

2. Environmental Conditions:

8. Check welding equipment. 25%

6. Configuartion and finish of access holes. 10% 10%

5. Fit-up of Groove Welds (including Joint Geometry):

3. Environmental Conditions:

2. Environmental Conditions:

1. Manufacturer's certifications available for fastener materials. X X
SIZE & SPACING
FOR REINFORCING WALL DOWELS NOT REINFORCING
TEMPLATE DETAIL.

GRATE OVER SUMP PIT (SEE MECHANICAL)

TYPICAL BEAM TO NEW CONCRETE WALL DETAIL

A 67 3/4" 12" 4' - 6" 12 6 2

A 40 3/4" 12" 2' - 0" 6 3 2

A 31 3/4" 12" 1' - 2" 4 2 2

EQ (2)#5 CONT.

EQ (3) #5 EACH WAY

REINFORCING SIZE AND SPACING
Z BARS TO MATCH GRADE BEAM

NOTE: USE THIS DETAIL FOR ALL CONTINUOUS FOUNDATIONS
1. CLASS B LAP SPLICE + CLEAR COVER.
2. #4@12" EACH WAY

SCHEDULES (SEE PLANS AND BY FABRICATOR/

COLUMNS

STUDS (SEE SCHEDULE)

BENT PL

PL1"x16"x1'-4" WITH (8)

1" FLANGE

EACH SIDE OF WEB

STIFFENER PLATES

COLUMN SCHEDULE)

BASE PLATE (SEE MILL COLUMN END

PL3/4" w/(4) 3/4" DIA.

NOTE:
6" TO 16"
0" TO 6"

SBC Project no. 166/005-01-2014A
JOHNSON CITY, TENNESSEE

لانك, 1408: 4th Floor

JOHNSON CITY, TENNESSEE

NOTE:
6" TO 16" 0" TO 6"

TYPICAL DETAILING & TRANSFER TO FRAMED SLABS

TYPICAL CLOSURE PLATE DETAILS AT FRAMED SLABS

TYPICAL COLUMN TRANSFER - (PARALLEL)

TYPICAL COLUMN TRANSFER - (PERPENDICULAR)

4" TO 10" 1/2" 1-1/4" 1/4"

1/4" DIA. x 4" HEADED BOLTS

NOTE:
NOTE:
NOTE:
NOTE:

SECTION "A"

SECTION "B"

SECTION "C"

SECTION "D"

SECTION "E"

SECTION "F"

SECTION "G"

SECTION "H"

SECTION "I"

SECTION "J"

SECTION "K"

SECTION "L"

SECTION "M"

SECTION "N"

SECTION "O"

SECTION "P"

SECTION "Q"

SECTION "R"

SECTION "S"

SECTION "T"

SECTION "U"

SECTION "V"

SECTION "W"

SECTION "X"

SECTION "Y"

SECTION "Z"
TYPICAL COMPOSITE SLAB OPENING DETAIL

TYPICAL DECK SUPPORT AT HSS OR BOX COLUMN

TYPICAL DECK SUPPORT AT WET COLUMN

TYPICAL EDGE OF ROOF DECK - EDD IS 7" MIN. TO 14" MAX.

TYPICAL EDGE OF ROOF DECK - EDD LESS THAN 7"

TYPICAL METAL DECK SUPPORT

TYPICAL STRUT DETAIL AT JOIST POINT LOAD NOT AT PANEL POINT

TYPICAL DETAIL AT MECHANICAL ROOF TOP UNITS (UNIT PARALLEL TO JOIST)

TYPICAL DETAIL AT JOIST PARALLEL TO NEW CONCRETE WALLS OR EXISTING CONCRETE WALLS
EXISTING 12x78 5" SLAB

EXISTING 4" TOPPING ON 20" DOUBLE TEES

EXISTING 12x28 5" SLAB

EXISTING 8" SLAB

NEW 4" SLAB ON GRADE REINF. w/ WWF 6x6 - W1.4xW1.4

3 1/4" LIGHTWEIGHT CONCRETE SLAB ON 3" (20 GA.) COMPOSITE DECK (6 1/4" TOTAL) USE 3/4" DIA.x5" HEADED WELDED STUDS WHERE INDICATED

REINFORCE w/ WWF 6x6 - W1.4xW1.4 AND #5x5'-0" TOP BARS @ 12" c/c CENTERED OVER BEAMS AND GIRDERS

W16x26 (12)

25k 25k

[99'-11 3/4"

EXISTING 12x22 W14x48

EQ  EQ

HSS6x4x1/4 (BELOW)

LOWER LEVEL 2 100' - 6"

DEMO WALL ABOVE

EXISTING 12" CONCRETE WALL

L6x4x5/16xCONT. w/ 1/2" DIA. APPROVED EXPANSION ANCHOR (EMBED 4 3/4") SPA @ 18" c/c #4x2'-8" SPA. @ 24" c/c EPOXY DOWEL 6" MIN. w/APPROVED EPOXY PROVIDE TEMPORARY SHORING UNTIL NEW SLAB HAS REACHED DESIGN STRENGTH

LOWER LEVEL 2 100' - 6"

DEMO WALL ABOVE

EXISTING 12" CONCRETE WALL

L6x4x5/16xCONT. w/ 1/2" DIA. APPROVED EXPANSION ANCHOR (EMBED 4 3/4") SPA @ 18" c/c #4x2'-8" SPA. @ 24" c/c EPOXY DOWEL 6" MIN. w/APPROVED EPOXY

1' - 6" 6" 98' - 4 1/2" 1 1/2" GROUT

NEW W14x48

EXISTING 8" CONCRETE SLAB

EXISTING 12x22 CONCRETE BEAM

NEW CONCRETE SLAB (SEE PLAN)

LOWER LEVEL 1 96' - 0"
OVERALL THIRD FLOOR FRAMING PLAN

SHEET REFERENCE NOTES

- SEE SHEET SERIES S000'S FOR GENERAL NOTES, SPECIAL INSPECTIONS, AND TYPICAL DETAILS
- SEE SHEET SERIES S200'S FOR ENLARGED PLANS
- SEE SHEET SERIES S300'S FOR SCHEDULES AND DIAGRAMS
- SEE SHEET SERIES S400'S FOR FRAMING ELEVATIONS
- SEE SHEET SERIES S500'S FOR FOUNDATION SECTIONS AND DETAILS
- SEE SHEET SERIES S600'S FOR FRAMING SECTIONS AND DETAILS

GENERAL PLAN NOTES

- STEP - DENOTES FOOTING STEP (SEE SHEET S003 FOR "TYPICAL DETAIL AT FOOTING STEP")
- TYPE 2-MP INDICATES MICROPILE TYPE (SEE SHEET S003 FOR MICROPILE DETAILS)
- 100k INDICATES SERVICE FOUNDATION LOAD
- TOF INDICATES TOP OF FOOTING/GRADE BEAM
- T/CAP 860.50' INDICATES TOP OF MICROPILE CAP
- T/PILE 857.50' INDICATES TOP OF MICROPILE
- GB-1 INDICATES GRADE BEAM SEE SHEET S200 FOR GRADE BEAM DETAILS
- [ ] - INDICATES TOP OF STEEL ELEVATION
- 10k - INDICATES FACTORED BEAM END SHEAR REACTIONS
- 50k-ft - INDICATES FACTORED BEAM END MOMENT REACTIONS
- - INDICATES BEAM END WITH MOMENT OR AXIAL REACTION CONNECTION
- (20) - INDICATES THE NUMBER OF 3/4" x 5" HEADED WELDED STUDS REQUIRED FOR EACH BEAM. STUDS SHALL BE EQUALLY SPACED (TYP. UNLESS NOTED OTHERWISE)
- c=1" - DENOTES BEAM CAMBER IN INCHES
- - INDICATES JOIST BOTTOM CHORD EXTENSION
- BF-1 - INDICATES BRACED FRAME (SEE SHEET S902)
- A40 - INDICATES FACTORED BEAM END AXIAL REACTIONS (THE LETTER "T" ADDED TO THIS DESIGNATION INDICATES TENSION AND THE LETTER "C" INDICATES COMPRESSION. IF EITHER LETTER IS ADDED THIS INDICATES TENSION OR COMPRESSION)

* GENERAL PLAN NOTES

- DRAWN BY: Date:
- CHECKED BY: Project Coordinator:
- PROJECT NO.
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GENERAL PLAN NOTES

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EAST TENNESSEE STATE UNIVERSITY
JOHNSON CITY, TENNESSEE

50% CONSTRUCTION DOCUMENTS
1 1/2" TYPE "B" (20ga) METAL ROOF DECK  
FASTENER PATTERN = 36/5 w/#12 SCREWS  
@SUPPORT & #10 SCREWS @ SIDE LAP (MIN. (8)#10 SCREWS PER SPAN)

Mu=100k-ft  
Vu=26k  
Mu=100k-ft  
Vu=15k  
Mu=100k-ft  
Vu=15k  
Mu=100k-ft

HSS6x6x1/2  
BELOW (TYP. 4 LOCATIONS)

ROOF DECK BRNG  
143' - 3 3/8"  
STAIR ROOF TOJ/TOS
CURTAIN WALL CAP TOS  
146' - 4 3/4"

PL 1/4"x6" (TYP.)  
9k TENSION

BEESON, LUSK & STREET, INC.

SBC Project no. 166/005-01-2014A
### COLUMN SCHEDULE

<table>
<thead>
<tr>
<th>BP</th>
<th>SPN</th>
<th>Base Eff</th>
<th>Base Level</th>
<th>Top Level</th>
<th>Column Schedule</th>
<th>Anchor</th>
<th>Design</th>
<th>Coll.</th>
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<td>1</td>
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### BASE PLATE DETAILS

- BP1

### PLATE TYPE "E"

- PL.

### POST-INSTALLED PLATE DETAILS

- PL.

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**Notes:**
- Dimensions are in inches.
- Anchor, design, and collection details are provided for each column.

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**Drawn By:**
[Signature]

**Date:**
10/17/2017

**Sheet No.:**
[Sheet Number]

**Project No.:**
161106

**50% CONSTRUCTION**

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**Location:**
227 French Landing Dr., Suite 500
Nashville, TN 37228

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**Nashville, TN 37203**

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**Website:**
www.moodynolan.com

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**Contact:**
P.O. Box 1909
Johnson City, TN
Phone: (615) 386-9690

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**Beeeson, Lusk & Street, Inc.**

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**A Subsidiary of Ross Bryan Associates Inc.**

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**RENOVATION JOHNSON CITY, TENNESSEE**

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**DOCUMENTS**

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**This drawing is the property of Nashville, TN 37203**

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Section 1: 3/8" STIFF PL

Section 2: HSS6x4x1/4

Section 3: EXISTING DOUBLE BOLT connection between joist seat.

Section 4: W12x53

Section 5: HSS6x6x1/2

Section 6: HSS12x8x5/16x1'-3 1/2"

Section 7: HSS8x8x1/4

Section 8: HSS6x6x1/2

Section 9: L6x6x5/8x0'-6"

Section 10: L4x3 1/2x1/4x CONT w/ EXP.ANCHORS (4" MIN. EMBED) GA = 7" PL 5/8x8x0'-10" w/ (2) 5/8" DIA. APPROVED SCREW ANCHOR SPACE w/ 1/2" DIA. CONCRETE THRU BOLT VERTICAL SLOT FOR 1/2" DIA. THREADED RODS (2) 3/4" DIA. A36 THREADED ROD PL 1/2" w/ (2) 13/16"x1" (GR. 36)

Section 11: 1/4 TYP.

Section 12: SECTION 13/S602 (TYP.

Section 13: PROVIDE DECK SUPPORT ANGLE

Section 14: 1 1/2" TYPE 'B' METAL ROOF DECK

Section 15: 1' - 0"

Section 16: DRAWN BY: DATE:

Section 17: PROJECT NO.

Section 18: 50% CONSTRUCTION

Section 19: Architect: Date:

Section 20: RDC

Section 21: FRAMING SECTIONS

Section 22: SBC Project no. 166/005-01-2014A

Section 23: KAB

Section 24: JOHNSON CITY, TENNESSEE

Section 25: PLAN VIEW

Section 26: GIRT CONNECTION AT VESTIBULE COLUMN

Section 27: Typical Girt Connection

Section 28: Girt Moment Connection

Section 29: Detail at Girt Corner

Section 30: METAL ROOF DECK

Section 31: PENTHOUSE FLOOR

Section 32: SPANDREL PRECAST NEW 3/8" STIFF PL

Section 33: HSS6x4x1/4

Section 34: AT VESTIBLE SEE ROOF FRAMING

Section 35: TEE

Section 36: SECTION

Section 37: SECTION

Section 38: SECTION

Section 39: SECTION

Section 40: SECTION

Section 41: SECTION

Section 42: SECTION

Section 43: SECTION

Section 44: SECTION

Section 45: SECTION

Section 46: SECTION

Section 47: SECTION

Section 48: SECTION

Section 49: SECTION

Section 50: SECTION
To provide temporary shoring prior to final removing waterproofing, test of slab for achieved design strength.

LEVEL 4

LEVEL 3

LEVEL 2

LEVEL 1

LEVEL 0

LEVEL SUB BASE

LEVEL 82'-0"

LEVEL 96'-0"

LEVEL 100'-6"

Sho 12, 24, 37 1/2" x 56"

Sho 12, 24, 32" x 69 3/8"

Provide temporary shoring prior to final removing waterproofing, test of slab for achieved design strength.

New 4" slab on grade

New framed slab (see plan)

Provide temporary shoring prior to final removing waterproofing, test of slab for achieved design strength.

New beam (see plan)

Provide temporary shoring prior to final removing waterproofing, test of slab for achieved design strength.

New beam (see plan)

Provide temporary shoring prior to final removing waterproofing, test of slab for achieved design strength.

Provide temporary shoring prior to final removing waterproofing, test of slab for achieved design strength.

Provide temporary shoring prior to final removing waterproofing, test of slab for achieved design strength.

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Provide temporary shoring prior to final removing waterproofing, test of slab for achieved design strength.

Provide temporary shoring prior to final removing waterproofing, test of slab for achieved design strength.
1. Refer to specifications for additional demolition information.
2. Remove all miscellaneous wires, conduit, and equipment from the exterior face of the building that is to remain including brackets and fasteners. Patch all holes with materials and construction that match existing.
3. Clean all concrete foundation wall surfaces and remove all miscellaneous dirt and debris. Infill all openings as result of removal of M.E.P. items with concrete. Finished face of concrete is to be flush with existing finished face of concrete.
4. Contractor is to temporarily protect the exposed existing frame of the building from the elements until new building envelope is constructed.
5. Contractor is responsible for construction of temporary dust control barriers for protection of student center.
6. Contractor is responsible in coordination with utility companies of jurisdiction for shut-offs or temporary shut down of utilities.
7. Refer to structural drawings for additional opening creation and existing opening infill information.
8. Coordinate with owner to determine existing items to be salvaged prior to commencement of demolition activities. Refer to both the drawings and specifications for items to be salvaged.
9. Protect roofs and walls to remain throughout construction.

General Notes - Demolition Plans
- Area not in scope for demolition.
1. REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION INFORMATION.
2. REMOVE ALL MISCELLANEOUS WIRES, CONDUIT AND EQUIPMENT FROM THE BUILDING.
3. CLEAN ALL CONCRETE FOUNDATION WALL SURFACES AND REMOVE ALL MISCELLANEOUS DIRT AND DEBRIS. INFILL ALL OPENINGS AS RESULT OF REMOVAL.
4. CONTRACTOR IS TO TEMPORARILY PROTECT THE EXPOSED EXISTING FRAME WALLS AND FLOOR PLAN TO MATCH EXISTING. FASTENERS. PATCH ALL HOLES WITH MATERIALS AND CONSTRUCTION THAT MATCH EXISTING.
5. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DUST CONTROL BARRIERS FOR PROTECTION OF STUDENT CENTER.
6. CONTRACTOR IS RESPONSIBLE IN COORDINATION WITH UTILITY COMPANIES OF CONTROL BARRIERS FOR PROTECTION OF STUDENT CENTER.
7. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL OPENING CREATION AND JURISDICTION FOR SHUT-OFFS OR TEMPORARY SHUT DOWN OF UTILITIES.
8. COORDINATE WITH OWNER TO DETERMINE EXISTING ITEMS TO BE SALVAGED PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES. REFER TO BOTH THE DRAWINGS AND SPECIFICATIONS FOR ITEMS TO BE SALVAGED.
9. PROTECT ROOFS AND WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
10. REFER TO CIVIL DRAWINGS FOR REMOVAL OF EXISTING UNDERGROUND TANK.
11. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL OPENING CREATION AND JURISDICTION FOR SHUT-OFFS OR TEMPORARY SHUT DOWN OF UTILITIES.
12. REMOVE EXISTING SIDEWALK AND STEPS.
13. REMOVE ALL EXISTING SINKS - PROTECT ALL FINISHES AND ADJACENT FIXTURES - CONSTRUCTION.
14. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.
15. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.
16. REMOVE EXISTING UN EXCAVATED AS REQUIRED FOR STORE-FRONT OPENING.
17. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.
18. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.
19. REMOVE EXISTING DOOR(S) AND FRAME COMPLETELY - EXISTING LINTEL IS TO OPENING.
20. REMOVE EXISTING EXTERIOR WALL AS REQUIRED FOR NEW ADDITION.
21. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR INSTALLATION OF NEW ELEVATOR SHAFT WALL - SEE PLAN FOR FILL-IN CONSTRUCTION.
22. REMOVE EXISTING COLUMN WRAP - PROTECT AND MAINTAIN PIPING WITHIN.
23. REMOVE EXISTING STATIONARY FLOOR-MOUNTED SEATS - PREPARE FLOOR FOR NEW CONSTRUCTION.
24. REMOVE EXISTING PLUMBING FIXTURES - SEE PLUMBING DRAWINGS.
25. REMOVE EXISTING INTERIOR RAMP AND RAILINGS - SEE STRUCTURAL DRAWINGS
26. REMOVE EXISTING PLUMBING FIXTURES - SEE PLUMBING DRAWINGS.
27. REMOVE EXISTING STAIRS IN ENTIRETY, INCLUDING NOT LIMITED TO HANDRAILS, LANDINGS, TREADS AND STRINGERS - PREPARE ALL SURFACES TO BE PATCHED UP TO MIDDLE LEVEL.
28. REMOVE EXISTING ELEVATOR AND SHAFT WALL - SEE PLAN FOR FILL-IN CONSTRUCTION.
29. CONTRACTOR IS RESPONSIBLE IN COORDINATION WITH UTILITY COMPANIES OF CONTROL BARRIERS FOR PROTECTION OF STUDENT CENTER.
30. CLEAN ALL CONCRETE FOUNDATION WALL SURFACES AND REMOVE ALL MISCELLANEOUS DIRT AND DEBRIS. INFILL ALL OPENINGS AS RESULT OF REMOVAL.
31. CONTRACTOR IS TO TEMPORARILY PROTECT THE EXPOSED EXISTING FRAME WALLS AND FLOOR PLAN TO MATCH EXISTING. FASTENERS. PATCH ALL HOLES WITH MATERIALS AND CONSTRUCTION THAT MATCH EXISTING.
32. REFER TO CIVIL DRAWINGS FOR REMOVAL OF EXISTING EXTERIOR RAMP.
33. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DUST CONTROL BARRIERS FOR PROTECTION OF STUDENT CENTER.
34. CONTRACTOR IS RESPONSIBLE IN COORDINATION WITH UTILITY COMPANIES OF CONTROL BARRIERS FOR PROTECTION OF STUDENT CENTER.
35. REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION INFORMATION.
36. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.
37. REMOVE EXISTING INTERIOR RAMP AND RAILINGS - SEE STRUCTURAL DRAWINGS
38. REFER TO CIVIL DRAWINGS FOR REMOVAL OF EXISTING EXTERIOR RAMP.
39. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DUST CONTROL BARRIERS FOR PROTECTION OF STUDENT CENTER.
40. CONTRACTOR IS RESPONSIBLE IN COORDINATION WITH UTILITY COMPANIES OF CONTROL BARRIERS FOR PROTECTION OF STUDENT CENTER.
41. REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION INFORMATION.
42. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.
43. REMOVE EXISTING INTERIOR RAMP AND RAILINGS - SEE STRUCTURAL DRAWINGS
44. REFER TO CIVIL DRAWINGS FOR REMOVAL OF EXISTING EXTERIOR RAMP.
45. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DUST CONTROL BARRIERS FOR PROTECTION OF STUDENT CENTER.
46. CONTRACTOR IS RESPONSIBLE IN COORDINATION WITH UTILITY COMPANIES OF CONTROL BARRIERS FOR PROTECTION OF STUDENT CENTER.
1. REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION INFORMATION.

2. REMOVE ALL MISCELLANEOUS WIRES, CONDUIT AND EQUIPMENT FROM THE BUILDING.

3. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL OPENING CREATION AND IN-FILL INFORMATION.

4. CONTRACTOR IS TO TEMPORARILY PROTECT THE EXPOSED EXISTING FRAME WITH EXISTING FINISHED FACE OF CONCRETE.

5. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DUST CONTAINMENT.

6. REMOVE ALL EXISTING SINKS - PROTECT ALL FINISHES AND ADJACENT FIXTURES - PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES. REFER TO BOTH THE DRAWINGS AND SPECIFICATIONS FOR ITEMS TO BE SALVAGED.

7. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL OPENING CREATION AND IN-FILL INFORMATION.

8. COORDINATE WITH OWNER TO DETERMINE EXISTING ITEMS TO BE SALVAGED - SEE CODED NOTES - DEMOLITION PLANS.

9. PROTECT ROOFS AND WALLS TO REMAIN THROUGHOUT CONSTRUCTION.

10. REMOVE EXISTING DOOR(S) AND FRAME COMPLETELY - EXISTING LINTEL IS TO REMAIN.

11. REMOVE EXISTING SIDEWALK AND STEPS.

12. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

13. REMOVE EXISTING SLAB TO ALLOW FOR NEW CONSTRUCTION.

14. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

15. REMOVE EXISTING PATIO AREA AND STEPS COMPLETELY FOR NEW CONSTRUCTION.

16. REMOVE EXISTING STATIONARY FLOOR-MOUNTED SEATS - PREPARE FLOOR FOR CONSTRUCTION.

17. REMOVE EXISTING STAIRS IN ENTIRETY, INCLUDING NOT LIMITED TO HANDRAILS,

18. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.

19. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

20. REMOVE EXISTING EXTERIOR WALL AS REQUIRED FOR NEW ADDITION.

21. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR INSTALLATION OF NEW DOOR(S) AND FRAME.

22. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.

23. REMOVE EXISTING COLUMN WRAP - PROTECT AND MAINTAIN PIPING WITHIN.

24. REMOVE EXISTING RAMP CORRIDOR.

25. REMOVE EXISTING EXTERIOR RAMP AS REQUIRED FOR NEW ADDITION.

26. REMOVE EXISTING UNDERGROUND TANK - SEE CIVIL DRAWINGS FOR REMOVAL.

27. REMOVE EXISTING DOOR(S) AND FRAME COMPLETELY - EXISTING LINTEL IS TO REMAIN.

28. REMOVE EXISTING UNUSED DOOR OPENINGS - SEE STRUCTURAL DRAWINGS.

29. REMOVE EXISTING INTERIOR RAMP AND RAILINGS - SEE STRUCTURAL DRAWINGS.

30. REMOVE EXISTING STAIRCASES.

31. REMOVE EXISTING EXTERIOR WALL AS REQUIRED FOR NEW ADDITION.

32. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

33. REMOVE EXISTING SLAB TO ALLOW FOR NEW CONSTRUCTION.

34. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

35. REMOVE EXISTING PATIO AREA AND STEPS COMPLETELY FOR NEW CONSTRUCTION.

36. REMOVE EXISTING STATIONARY FLOOR-MOUNTED SEATS - PREPARE FLOOR FOR CONSTRUCTION.

37. REMOVE EXISTING STAIRS IN ENTIRETY, INCLUDING NOT LIMITED TO HANDRAILS,

38. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.

39. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

40. REMOVE EXISTING SLAB TO ALLOW FOR NEW CONSTRUCTION.

41. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

42. REMOVE EXISTING PATIO AREA AND STEPS COMPLETELY FOR NEW CONSTRUCTION.

43. REMOVE EXISTING STATIONARY FLOOR-MOUNTED SEATS - PREPARE FLOOR FOR CONSTRUCTION.

44. REMOVE EXISTING STAIRS IN ENTIRETY, INCLUDING NOT LIMITED TO HANDRAILS,

45. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.

46. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

47. REMOVE EXISTING SLAB TO ALLOW FOR NEW CONSTRUCTION.

48. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

49. REMOVE EXISTING PATIO AREA AND STEPS COMPLETELY FOR NEW CONSTRUCTION.

50. REMOVE EXISTING STATIONARY FLOOR-MOUNTED SEATS - PREPARE FLOOR FOR CONSTRUCTION.

51. REMOVE EXISTING STAIRS IN ENTIRETY, INCLUDING NOT LIMITED TO HANDRAILS,

52. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.

53. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

54. REMOVE EXISTING SLAB TO ALLOW FOR NEW CONSTRUCTION.

55. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

56. REMOVE EXISTING PATIO AREA AND STEPS COMPLETELY FOR NEW CONSTRUCTION.

57. REMOVE EXISTING STATIONARY FLOOR-MOUNTED SEATS - PREPARE FLOOR FOR CONSTRUCTION.

58. REMOVE EXISTING STAIRS IN ENTIRETY, INCLUDING NOT LIMITED TO HANDRAILS,

59. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.

60. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

61. REMOVE EXISTING SLAB TO ALLOW FOR NEW CONSTRUCTION.

62. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

63. REMOVE EXISTING PATIO AREA AND STEPS COMPLETELY FOR NEW CONSTRUCTION.

64. REMOVE EXISTING STATIONARY FLOOR-MOUNTED SEATS - PREPARE FLOOR FOR CONSTRUCTION.

65. REMOVE EXISTING STAIRS IN ENTIRETY, INCLUDING NOT LIMITED TO HANDRAILS,

66. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.

67. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

68. REMOVE EXISTING SLAB TO ALLOW FOR NEW CONSTRUCTION.

69. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

70. REMOVE EXISTING PATIO AREA AND STEPS COMPLETELY FOR NEW CONSTRUCTION.

71. REMOVE EXISTING STATIONARY FLOOR-MOUNTED SEATS - PREPARE FLOOR FOR CONSTRUCTION.

72. REMOVE EXISTING STAIRS IN ENTIRETY, INCLUDING NOT LIMITED TO HANDRAILS,

73. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.

74. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

75. REMOVE EXISTING SLAB TO ALLOW FOR NEW CONSTRUCTION.

76. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

77. REMOVE EXISTING PATIO AREA AND STEPS COMPLETELY FOR NEW CONSTRUCTION.

78. REMOVE EXISTING STATIONARY FLOOR-MOUNTED SEATS - PREPARE FLOOR FOR CONSTRUCTION.

79. REMOVE EXISTING STAIRS IN ENTIRETY, INCLUDING NOT LIMITED TO HANDRAILS,

80. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.

81. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

82. REMOVE EXISTING SLAB TO ALLOW FOR NEW CONSTRUCTION.

83. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

84. REMOVE EXISTING PATIO AREA AND STEPS COMPLETELY FOR NEW CONSTRUCTION.

85. REMOVE EXISTING STATIONARY FLOOR-MOUNTED SEATS - PREPARE FLOOR FOR CONSTRUCTION.

86. REMOVE EXISTING STAIRS IN ENTIRETY, INCLUDING NOT LIMITED TO HANDRAILS,

87. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR OPENING.
1. REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION INFORMATION.
2. REMOVE ALL MISCELLANEOUS WIRES, CONDUIT AND EQUIPMENT FROM THE EXTERIOR FACE OF THE BUILDING THAT IS TO REMAIN INCLUDING BRACKETS AND FASTENERS. PATCH ALL HOLES WITH MATERIALS AND CONSTRUCTION THAT MATCH EXISTING.
3. CLEAN ALL CONCRETE FOUNDATION WALL SURFACES AND REMOVE ALL MISCELLANEOUS DIRT AND DEBRIS. INFILL ALL OPENINGS AS RESULT OF REMOVAL OF M.E.P. ITEMS WITH CONCRETE. FINISHED FACE OF CONCRETE IS TO BE FLUSH WITH EXISTING FINISHED FACE OF CONCRETE.
4. CONTRACTOR IS TO TEMPORARILY PROTECT THE EXPOSED EXISTING FRAME OF THE BUILDING FROM THE ELEMENTS UNTIL NEW BUILDING ENVELOPE IS CONSTRUCTED.
5. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DUST CONTROL BARRIERS FOR PROTECTION OF STUDENT CENTER.
6. CONTRACTOR IS RESPONSIBLE IN COORDINATION WITH UTILITY COMPANIES OF JURISDICTION FOR SHUT-OFFS OR TEMPORARY SHUT DOWN OF UTILITIES.
7. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL OPENING CREATION AND EXISTING OPENING IN-FILL INFORMATION.
8. COORDINATE WITH OWNER TO DETERMINE EXISTING ITEMS TO BE SALVAGED PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES. REFER TO BOTH THE DRAWINGS AND SPECIFICATIONS FOR ITEMS TO BE SALVAGED.
9. PROTECT ROOFS AND WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
1. REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION INFORMATION.

2. REMOVE ALL MISCELLANEOUS WIRES, CONDUIT AND EQUIPMENT FROM THE EXISTING PLUMBING SYSTEM - SEE PLUMBING DRAWINGS.

3. CLEAN ALL CONCRETE FOUNDATION WALL SURFACES AND REMOVE ALL FASTENERS. PATCH ALL HOLES WITH MATERIALS AND CONSTRUCTION THAT MATCH EXISTING.

4. CONTRACTOR IS TO TEMPORARILY PROTECT THE EXPOSED EXISTING FRAME WITH EXISTING FINISHED FACE OF CONCRETE. CONCRETE IS TO BE FLUSH WITH EXISTING EXTERIOR FACE OF THE BUILDING THAT IS TO REMAIN INCLUDING BRACKETS AND FASTENERS. PATCH ALL HOLES WITH MATERIALS AND CONSTRUCTION THAT MATCH EXISTING.

5. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DUST CONTROL BARRIERS FOR PROTECTION OF STUDENT CENTER.

6. CONTRACTOR IS RESPONSIBLE IN COORDINATION WITH UTILITY COMPANIES OF REMOVAL OF EXISTING UNDERGROUND TANK.

7. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL OPENING CREATION AND CONTROL BARRIERS FOR PROTECTION OF STUDENT CENTER.

8. COORDINATE WITH OWNER TO DETERMINE EXISTING ITEMS TO BE SALVAGED PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES. REFER TO BOTH THE CIVIL DRAWINGS AND MECHANICAL DRAWINGS.

9. PROTECT ROOFS AND WALLS TO REMAIN THROUGHOUT CONSTRUCTION.

10. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL DELETION OF EXISTING PLUMBING FIXTURES.

11. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

12. REMOVE EXISTING SIDEWALK AND STEPS.

13. REMOVE EXISTING EXTERIOR WALL AS REQUIRED FOR NEW ADDITION.

14. REMOVE AND DISPOSE OF EXISTING RIP-RAP.

15. REMOVE EXISTING PLUMBING FIXTURES - SEE PLUMBING DRAWINGS.

16. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

17. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

18. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR STORE-FRONT OPENING.

19. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR INSTALLATION OF NEW ELEVATOR CONDUIT TO CONNECTIONS AS NEEDED TO RELOCATE EQUIPMENT TEMPORARILY.

20. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ADDITION.

21. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR CONDUIT TO CONNECTIONS AS NEEDED TO RELOCATE EQUIPMENT TEMPORARILY.

22. REMOVE PATIO AREA AND STEPS COMPLETELY FOR NEW CONSTRUCTION.

23. REMOVE EXISTING EXTERIOR WALL AS REQUIRED FOR NEW ADDITION.

24. REMOVE DOOR(S) AND FRAME COMPLETELY - EXISTING LINTEL IS TO OPENING.

25. REMOVE TOILET ACCESSORIES - REMOVE FLOOR, WALL AND CEILING FINISHES.

26. REMOVE EXISTING PLUMBING FIXTURES - SEE PLUMBING DRAWINGS.

27. REMOVE FLOOR, WALL AND CEILING FINISHES - PREPARE FLOORS FOR NEW INCLUDEING STEPS, RAILING, ETC.

28. REMOVE EXISTING DOOR(S) AND FRAME COMPLETELY - EXISTING LINTEL IS TO OPENING.

29. REMOVE EXISTING DOOR(S) AND FRAME.

30. SEE CIVIL DRAWINGS FOR REMOVAL OF EXISTING UNDERGROUND TANK.

31. SEE CIVIL DRAWINGS FOR REMOVAL OF EXISTING EXTERIOR RAMP.

32. REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR NEW ELEVATOR CONDUIT TO CONNECTIONS AS NEEDED TO RELOCATE EQUIPMENT TEMPORARILY.

33. REMOVE EXISTING INTERIOR RAMP AND RAILINGS - SEE STRUCTURAL DRAWINGS FOR EXTENT.

34. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

35. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

36. REMOVE EXISTING PLUMBING FIXTURES - SEE PLUMBING DRAWINGS.

37. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

38. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

39. REMOVE EXISTING PLUMBING FIXTURES - SEE PLUMBING DRAWINGS.

40. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

41. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

42. REMOVE EXISTING PLUMBING FIXTURES - SEE PLUMBING DRAWINGS.

43. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

44. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

45. REMOVE EXISTING PLUMBING FIXTURES - SEE PLUMBING DRAWINGS.

46. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

47. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

48. REMOVE EXISTING PLUMBING FIXTURES - SEE PLUMBING DRAWINGS.

49. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

50. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

51. REMOVE EXISTING PLUMBING FIXTURES - SEE PLUMBING DRAWINGS.

52. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

53. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

54. REMOVE EXISTING PLUMBING FIXTURES - SEE PLUMBING DRAWINGS.

55. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.

56. REMOVE EXISTING STOREFRONT DOORS & PREP TO RECEIVE GLAZING.

57. REMOVE EXISTING PLUMBING FIXTURES - SEE PLUMBING DRAWINGS.

58. REMOVE EXISTING STOREFRONT WINDOW SYSTEM.
GENERAL NOTES - WALLS

1. ALL DIMENSIONS TO FACE OF WALL U.N.O.
2. USE 5/8" WATER RESISTANT GYP. BD. ON ALL WET WALLS, UNO.
3. USE CEMENT BOARD FOR ALL WALLS TO RECEIVE CERAMIC TILE, UNO.
4. FIRE SAFE ALL JOINTS AND PENETRATIONS AT FIRE RATED PARTITIONS.
5. UL NUMBERS LISTED APPLY ONLY TO THE TESTED MANUFACTURERS. EQUAL MANUFACTURERS' EQUIVALENT ASSEMBLY INFORMATION MUST BE APPROVED BY ARCHITECT.
6. INSULATION MUST EXTEND FULL HEIGHT OF PARTITION. WHERE SOUND ATTENUATION BATTS ARE INDICATED IN PARTITIONS, INSTALL ACOUSTIC SEALANT AT BOTH SIDES, ALONG THE TOP AND BOTTOM, AND AT INTERSECTING PARTITIONS.
7. WHERE 3 5/8", 4" OR 6" STUD WALLS ARE INDICATED, SEE SPECIFICATIONS FOR HEIGHT LIMITS.
8. REFER TO FINISH SCHEDULE FOR FINISHES.
9. PROVIDE ACOUSTIC SEALANT AT TOP & BOTTOM OF PARTITION AS REQUIRED BY STC RATING.

CODED NOTE LEGEND

- BRACE EACH STUD @ 4'-0" O.C. TO BACK-UP WALL FOR ENTIRE HEIGHT OF PARTITION.
- BRACE EACH STUD @ 8'-0" O.C. TO BACK-UP WALL FOR ENTIRE HEIGHT OF PARTITION.
- SMOKE TIGHT SEAL SHALL BE PROVIDED AT TOP, BOTTOM AND ENDS OF WALL AND AT ALL PENETRATIONS.
- FULL HEIGHT PARTITION. TERMINATE GYP. BD. AND STUDS AT DECK/STRUCTURE ABOVE.
- STOP GYP. BD. AND STUDS 6" AFC. BRACE PARTITION TO DECK/STRUCTURE.
- FULL HEIGHT SHAFT WALL. TERMINATE GYP. BD. AND STUDS AT DECK/STRUCTURE ABOVE.
- FULL HEIGHT PARTITION. TERMINATE GYP. BD., PLYWOOD AND STUDS AT DECK/STRUCTURE ABOVE.
- FULL HEIGHT PARTITION. TERMINATE CMU AT DECK/STRUCTURE ABOVE.
- STOP CMU FULL COURSE ABOVE FINISH CEILING. BRACE WALL TO STRUCTURE PER STRUCTURAL DRAWINGS.
- FULL HEIGHT PARTITION. TERMINATE CMU AT DECK ABOVE.
- STOP FURRING AND GYP. BD. @ 6" ABOVE FINISHED CEILING.
- STOP WALL FULL COURSE ABOVE FINISH CEILING. BRACE WALL TO STRUCT. PER STRUCTURAL DRAWINGS.
- SMOKE TIGHT SEAL SHALL BE PROVIDED AT TOP, BOTTOM AND ENDS OF WALL AND AT ALL PENETRATIONS.

12. # REVISIONS DATE

SBC Project no. 166/005-01-2014CM
D.P. CULP EXPANSION & RENOVATION
EAST TENNESSEE STATE UNIVERSITY
JOHNSON CITY, TENNESSEE

PLAN
1/8" = 1'-0"

OVERALL BASEMENT PLAN

KEY PLAN
REFER TO FINISH SCHEDULE FOR FINISHES.

INSULATION MUST EXTEND FULL HEIGHT OF PARTITION. WHERE UL NUMBERS LISTED APPLY ONLY TO THE TESTED

USE 5/8" WATER RESISTANT GYP. BD. ON ALL WET WALLS, UNO.

PROVIDE ACOUSTIC SEALANT AT TOP & BOTTOM OF PARTITION AS

WHERE 3 5/8", 4" OR 6" STUD WALLS ARE INDICATED, SEE

GENERAL NOTES -

1. DD
2. P
3. A721
4. A722
5. A401
6. A112
7. STAIR 1
8. STAIR 2
9. MAIN CORRIDOR
10. MAIN CORRIDOR

ACOUSTIC SEALANT AT BOTH SIDES, ALONG THE TOP AND BOTTOM,

AND AT INTERSECTING PARTITIONS.

BRACE EACH STUD @ 4'-0" O.C. TO BACK-UP WALL FOR ENTIRE

HEIGHT OF PARTITION. TERMINATE GYP. BD. AND STUDS AT

DECK/STRUCTURE ABOVE.

BRACE EACH STUD @ 8'-0" O.C. TO BACK-UP WALL FOR ENTIRE

HEIGHT OF PARTITION. TERMINATE GYP. BD. AND STUDS AT

DECK/STRUCTURE ABOVE.

STOP GYP. BD. AND STUDS 6" AFC. BRACE PARTITION TO

STRUCT. PER STRUCTURAL DRAWINGS.

STOP FURRING AND GYP. BD. @ 6" ABOVE FINISHED CEILING.

SMOKE TIGHT SEAL SHALL BE PROVIDED AT TOP, BOTTOM AND

ENDS OF WALL AND AT ALL PENETRATIONS.

SMOKE TIGHT SEAL SHALL BE PROVIDED AT TOP, BOTTOM AND

FULL HEIGHT PARTITION. TERMINATE GYP BD. AND STUDS AT

FULL HEIGHT PARTITION. TERMINATE CMU AT DECK / STRUCTURE ABOVE.

SMOKE TIGHT SEAL SHALL BE PROVIDED AT TOP, BOTTOM AND

SMOKE TIGHT SEAL SHALL BE PROVIDED AT TOP, BOTTOM AND

DECK/STRUCTURE ABOVE.

DECK/STRUCTURE ABOVE.

DECK/STRUCTURE ABOVE.

DECK/STRUCTURE ABOVE.
Provide acoustic sealant at top & bottom of partition.

Use 5/8" water resistant gyp. bd. on all wet walls, uno.

All dimensions to face of wall u.n.o.

Insulation must extend full height of partition. Where 3 5/8", 4" or 6" stud walls are indicated, see refer to finish schedule for finishes.

General notes -

1. When replacement work is to be done, such as wall studs, wood, etc., the old work must be removed and the new work must be of an equal standard as before.
2. New wood work, such as door frames, etc., must be installed.
3. All wall surfaces must be in a good state of repair and ready for finish work.
4. All wall surfaces must be painted and all doors and windows must be painted when finished.
5. All wall surfaces must be clean and free from all marks and blemishes.
6. All wall surfaces must be prepared for finish work.
7. All wall surfaces must be in a suitable condition for finish work.
8. All wall surfaces must be free from all marks and blemishes.

Information must be approved by architect.

Beeson, Lusk & Street, Inc.

D.P. Culp Expansion & Renovation

Johnson City, Tennessee

www.moodynolan.com

Phone: (615) 386-9690

---
USE CEMENT BOARD FOR ALL WALLS TO RECEIVE CERAMIC TILE.

REFER TO FINISH SCHEDULE FOR FINISHES.

ALL DIMENSIONS TO FACE OF WALL U.N.O.

INSULATION MUST EXTEND FULL HEIGHT OF PARTITION. WHERE 3 5/8", 4" OR 6" STUD WALLS ARE INDICATED, SEE GENERAL NOTES - WALLS

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PLAN OVERALL ROOF
ACOUSTIC CEILING TYPE 1:

ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED

ACOUSTIC CEILING TYPE 2:

FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT

ACOUSTIC CEILING TYPE 3:

ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT

ACOUSTIC CEILING TYPE 4:

FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT

RCP GENERAL NOTES

INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS.

GENERAL DESIGN INTENT.

1. ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.

2. WALLS TO WHICH BULKHEADS ARE PARALLEL, UNLESS NOTED OTHERWISE OR DIMENSIONED.

3. CEILING WHITE (UNLESS NOTED OTHERWISE).

4. WITH A SATIN FINISH.

5. CENTER SIGN ON DOOR OPENING.

6. -

-

-
ACOUSTIC CEILING TYPE 1:
- EXTERIOR COMPOUND CLG. - 13'-2"
- 15'-0"
- 12x72 COMPOUND CLG. - WOODWORKS AREAS WITH M.E.P. WORK MUST REPLACE AND MATCH EXISTING

WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS,
- 10'-2"
- 10'-8"
- ALIGN FEATURES EXISTING EXPOSED STRUCTURE

14'-0"
- 11'-0"
- ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

10'-6"
- RECESSED CAN LIGHT
- CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.

ACOUSTIC CEILING TYPE 3:
- PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO
- LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES &
- COORDINATE LOCATION OF FIXTURES WITH MECHANICAL,
- 17"
- 15'
- 11'
- 18
- 10'
- 23
- ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED
- XX'-XX"
- ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT
- PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
- 8'-0"
- 11'-0"
- 15'-0"
- 20
- GYPSUM BOARD CEILING OR SOFFIT
- 16'-8"
- 10'-6"
- G1
- 9.
- G1
- 10.
- K
- CENTER SIGN ON DOOR OPENING.
- 11.
- -
- 12.
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ACOUSTIC CEILING TYPE 1:
10'-0"
ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS.

ACOUSTIC CEILING TYPE 4:
10'-0"
ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

ACOUSTIC CEILING TYPE 2:
24" PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
10'-0"
FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH GYPSUM BOARD CEILING OR SOFFIT

LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & OR XX'-XX"
15"
10'-0"
21"
ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT 12x72 COMPOUND CLG. - WOODWORKS

RECESSED CAN LIGHT 6"
CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.

10'-6"
ALIGN FEATURES
23"
17"
AREAS WITH M.E.P. WORK MUST REPLACE AND MATCH EXISTING
10'-6"
EXTERIOR COMPOUND CLG. - WOODWORKS

10'-0"
CENTER SIGN ON DOOR OPENING.
11.
12.

DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5.

WALLS TO WHICH BULKHEADS ARE PARALLEL, UNLESS NOTED OTHERWISE OR DIMENSIONED.
6.

CEILING WHITE (UNLESS NOTED OTHERWISE).
7.

WITH A SATIN FINISH.
8.

10.

CENTER SIGN ON DOOR OPENING.
11.

RCP GENERAL NOTES
1. INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. GENERAL DESIGN INTENT.
3. FLOOR (UNLESS NOTED OTHERWISE).
4. DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. WALLS TO WHICH BULKHEADS ARE PARALLEL, UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. CEILING WHITE (UNLESS NOTED OTHERWISE).
7. WITH A SATIN FINISH.
8. CENTER SIGN ON DOOR OPENING.
ACOUSTIC CEILING TYPE 1:
PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
EXTERIOR COMPOUND CLG. - 10'-6"
EXISTING EXPOSED STRUCTURE
FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT
RECESSED CAN LIGHT
WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS,
ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT
9'-6" 13'-11" 10'-6" 10'-6"
CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
15 GYPSUM BOARD CEILING OR SOFFIT
XX'-XX"
13'-11" 18 ALIGN FEATURES
12x72 COMPOUND CLG. - WOODWORKS
PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO
OR AREAS WITH M.E.P. WORK MUST REPLACE AND MATCH EXISTING
10'-0" 25
10'-0" 24 CEILING.
10'-0" 24
ACOUSTIC CEILING TYPE 3:
8'-0" 8'-0" 11'-0"
ACOUSTIC CEILING TYPE 4:
ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.
21 G1 GENERAL DESIGN INTENT.
A503
A506 A601 A505
A606 A504
3. FLOOR (UNLESS NOTED OTHERWISE).
4. FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED
5. NO WORK
6. CEILING WHITE (UNLESS NOTED OTHERWISE).
7. CEILING.
88db 75cd 88db 88db 88db 88db
9. 229 SF 348
10. 30cd SS
11. 113 SF 353G E1
12. 110cd 88db 75cd 30cd
13. 201 SF 349
14. 88db 88db 88db 88db
15. 45 SF 4
16. 34 SF 450
17. 172 SF 1138 349
18. 88db 88db 88db 88db
19. 110cd 88db 88db 88db
GENERAL NOTES - MOUNTING HEIGHTS

1. Handicapped accessible fixtures are indicated by an "H.C.".

2. Standard fixtures are indicated by "STD.".

3. General contractor shall coordinate toilet fixture locations with plumbing contractor with respect to flush valve height and horizontal location vs. grab bar locations.

4. Top of seat height is based on ADAAG and cannot be changed.

5. All mounting heights are above finish floor (critical for ADA compliance).

6. All dimensions are to the face of finished wall (critical for ADA compliance).

6. Where toilet is indicated to be "wall hung or floor mtd" refer to Beeson, Lusk & Street, use or reproduction of it, or expressed consent of Beeson, authors.

7. Revisions date: 15/4/14

8. Checked by:

9. Drawn by:

10. Project Coordinator:

11. Beeson, Lusk & Street, Inc.

12. 207 East Main Street

13. Suite 3c

14. Nashville, TN 37203

15. www.moodynolan.com

16. Phone: (615) 386-9690

17. Fax: (615) 386-0528

18. 4th Floor

19. Johnson City, TN.

20. Phone: 432-928-1175

21. 37605-1909
1. REFER TO SPECIFICATION MANUAL SECTIONS 06-20-00 (FINISHED CARPENTRY) AND 06-40-00 (ARCHITECTURAL WOODWORK) FOR A COMPLETE ENUMERATION OF PERFORMANCE AND FABRICATION GUIDELINES.

2. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING IN-WALL BLOCKING ADEQUATE FOR THE SUPPORT OF ALL CABINETRY NOTED HEREIN. IN ADDITION, THE CONTRACTOR SHALL PROVIDE ADEQUATE IN-WALL BLOCKING FOR ANY/ALL FINISH CARPENTRY OR ANCILLARY COMPONENTS (INCLUDING BUT NOT LIMITED TO WALL PANELS, MILLWORK, CUSTOM CASEWORK, GRAPHIC PANELS, BANNERS, ETC.) DESIGNATED AND DETAILED HEREIN AS RIGIDLY ATTACHED TO WALL ASSEMBLIES OR OTHER STRUCTURAL COMPONENTS. SEE SPECIFICATION SECTION 06 10 50 FOR BLOCKING REQUIREMENTS. NOTE: SPECIFIC TYPES OF BLOCKING ARE SHOWN IN DETAIL DRAWINGS FOR CLARITY – THIS IS NOT TO BE TAKEN AS A FULL ACCOUNTING. GENERAL/TYPICAL BLOCKING MAY OR MAY NOT BE SHOWN.

3. FOR PLASTIC LAMINATE CABINETS: ALL EXPOSED EXTERIOR SURFACES ARE TO BE CLAD IN PLASTIC LAMINATE (COLOR AS NOTED). ALL EXPOSED INTERIOR SURFACES ARE TO BE CLAD IN WHITE MELAMINE. HIDDEN OR CONCEALED FACES ARE TO BE CLAD IN A PLASTIC LAMINATE BACKER. DOORS AND ADJUSTABLE SHELVES ARE TO FULLY CLAD IN THE SAME PLASTIC LAMINATE AS THE CASE (UNLESS NOTED OTHERWISE).

4. PROVIDE LOCKS FOR CABINET DOORS (UPPER AND LOWER) AS NOTED ON SPECIFIC ELEVATIONS.

5. ALL COUNTERTOPS ARE TO INCLUDE A CONTINUOUS MATCHING 4" BACKSPLASH (UNLESS SHOWN AND NOTED OTHERWISE). ALL BACKSPLASHES ASSUMED TO INCLUDE SIDESPLASHES AT ADJOINING WALLS AND/OR OTHER VERTICAL INTERRUPTIONS.

6. PLASTIC LAMINATE COUNTERTOPS ARE TO HAVE A 1 ½" NOSING WITH A MATCHING DOELKIN WOODTAPE VINYL EDGE BAND (MANUFACTURER'S BEST MATCH). EDGE BAND MATCHES TO BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION. UNDERSIDES OF COUNTER ARE TO BE CLAD WITH BACKER SHEET.

7. ALL THRU-COUNTER WIRE MANAGEMENT SLOTS ARE TO BE 12" LONG X 1" WIDE WITH DOUG MOCKET BRUSH STRIP INSERT (BR1-90). ALL FABRICATED WORKSURFACES WITH OPEN KNEE SPACE ARE TO RECEIVE A MINIMUM OF (1) INSERT EVERY 48". EXACT AND FINAL LOCATIONS ARE TO BE FIELD-COORDINATED WITH OWNER.

8. FOR "WET" AREAS: COUNTERTOP/BACKSPLASH SUBSTRATE TO BE MARINE GRADE MDF.

9. ALL SHELVES ARE ADJUSTABLE (UNLESS NOTED OTHERWISE) SUPPORTED ON NICKEL (SPOON-TYPE) SHELF PINS. RECEIVING HOLES TO BE SPACED 2" O.C.

10. NOTE THAT EQUIPMENT/APPLIANCES SHOWN WITH DOTTED IN LINES IS FOR REFERENCE ONLY. EXACT LOCATIONS TO BE VERIFIED IN FIELD WITH OWNER.

11. FOR CABINETS AT INSIDE CORNERS: PROVIDE "CORNER CABINET" EXTENSION SO THAT END CABINET OF ONE RUN EXTENDS ALONG AND BEHIND OTHER RUN TO FILL IN CORNER DEAD SPACE – MODIFY AUGMENT SHELF SUPPORTS AS REQUIRED.

12. FINISH/MATERIAL ABBREVIATIONS ARE DELINEATED IN THE OVERALL PROJECT FINISH LEGEND.
1. Refer to specification manual sections 06-20-00 (finished carpentry) and 06-40-00 (architectural woodwork) for a complete enumeration of performance and fabrication guidelines.

2. General contractor is responsible for providing in-wall blocking adequate for the support of all cabinetry noted herein. In addition, the contractor shall provide adequate in-wall blocking for any/all finish carpentry or ancillary components (including but not limited to wall panels, millwork, custom casework, graphic panels, banners, etc.) designated and detailed herein as rigidly attached to section for blocking requirements. Note: Specific types of blocking are shown in detail drawings for clarity – this is not to be taken as a full accounting. General/typical blocking may or may not be shown.

3. For plastic laminate cabinets: all exposed exterior surfaces are to be clad in plastic laminate (color as noted). All exposed interiors are to be clad in white melamine. Hidden or concealed the case (unless noted otherwise).

4. Provide locks for cabinet doors (upper and lower) as noted on backsplash (unless shown and noted otherwise). All backsplashes assumed to include sidesplashes at adjoining walls and/or other vertical interruptions.

6. Plastic laminate countertops are to have a 1 ½" nosing with a matching Dolkin woodtape vinyl edge band (manufacturer's best match). Edge band matches to be submitted for approval prior to fabrication. Undersides of counter are to be clad with backer sheet.

7. All thru-counter wire management slots are to be 12" long x 1" wide with Doug Mocket brush strip insert (BR1-90).

8. For "wet" areas: countertop/backsplash substrate to be marine grade MDF.

9. All shelves are adjustable (unless noted otherwise) supported on.

10. Note that equipment/appliances shown with dotted in lines is for reference only. Exact locations to be verified in field with owner.
1. General contractor is responsible for providing in-wall blocking adequate for the support of all cabinetry noted herein. In addition, the contractor shall provide adequate in-wall blocking for any/all finish carpentry or ancillary components (including but not limited to wall panels, millwork, custom casework, graphic panels, banners, etc.) designated and detailed herein as rigidly attached to section 2406-10-50 for blocking requirements. Note: Specific types of blocking are shown.

2. For plastic laminate cabinets: all exposed exterior surfaces are to be clad in plastic laminate (color as noted). All exposed interiors are to be clad in white melamine. Hidden or concealed faces are to be clad in a plastic laminate backer. Doors and adjustable shelves are to fully clad in the same plastic laminate as shown.

3. Provide locks for cabinet doors (upper and lower) as noted on A832.

4. Provide locks for cabinet doors (upper and lower) as noted on A832.

5. All countertops are to include a continuous matching 4" backsplash (unless shown and noted otherwise). All backsplashes assumed to include sidesplashes at adjoining walls and/or other vertical interruptions.

6. Plastic laminate countertops are to have a 1 ½" nosing with a matching Dolekin Woodtape vinyl edge band (manufacturer's best match). Edge band matches to be submitted for approval prior to fabrication. Undersides of counter are to be clad with backer sheet.

7. All thru-counter wire management slots are to be 12" long x 1" wide with Doug Mockett brush strip insert (BR1-90). All fabricated worksurfaces with open knee space are to receive a minimum of (1) insert every 48". Exact and final locations are to be field-coordinated with owner.

8. For "wet" areas: countertop/backsplash substrate to be marine nickel (spoon-type) shelf pins. Receiving holes to be spaced 2" O.C.

9. For cabinets at inside corners: provide "corner cabinet" extension so that end cabinet of one run extends along and behind other run to fill in corner dead space – modify augment shelf supports as required.

10. Note that equipment/appliances shown with dotted in lines is for reference only. Exact locations to be verified in field with owner.

11. For cabinets at inside corners: provide "corner cabinet" extension so that end cabinet of one run extends along and behind other run to fill in corner dead space – modify augment shelf supports as required.

12. Finish/material abbreviations are delineated in the overall project finish legend.
1. Finish Legend

2. Follow all relevant sections of the project manual.

3. Base

   - VC-1 Ceramic Base CB-2 Servery Base
   - Ceramic Base CB-3 Daltile Quarry Cove Base
   - Arid Gray 5"x6" Kitchen Base

4. Walls

   - PT-1 SHERWIN WILLIAMS EGGSCHEL 7005 PURE WHITE
   - PT-2 SHERWIN WILLIAMS EGGSCHEL 9176 DRESS BLUE
   - PT-3 SHERWIN WILLIAMS EGGSCHEL 6129 RESTRAINED GOLD
   - PT-4 SHERWIN WILLIAMS EGGSCHEL 6130 MANNERED GOLD

5. Ceilings

   - Acoustical Ceiling Tile A2 ARMSTRONG OPTIMA TEGULAR WHITE 2'X2'
   - Acoustical Ceiling Tile A4 ARMSTRONG OPTIMA VECTOR WHITE 4'X4'
   - Gypsum Gyp. Axiom Ceiling Trim

6. Open

   - Floor: VC-1

7. Base

   - RB-1 Passport Stairs 18"x36" Gaming Carpet CR-2
   - Carpet CR-3 Bentley Impasto Varnish 18"x36" Carpet CR-4
   - Carpet CR-5 Mohawk Select Step Stone Earl Grey 18"x36" Carpet CR-6
   - Carpet CR-7 Interface Silver Linings Nickel Line 25cm X 1m
   - Carpet CR-8 Interface AE 312 Aerials Iron Accent 50cm X 50cm
   - Carpet CR-9

8. Carpets

   - Room: Director

9. Base

   - Ceramic Tile CT-1 Landmark Milestone South Grey 18"x36"
   - Ceramic Tile CT-2 Landmark Milestone East Beige 18"x36"
   - Ceramic Tile CT-3 Landmark Milestone North Beige 18"x36"
   - Quarry Tile Arid Gray 6"x6" Quarry Tile
   - Ceramic Tile CT-7 Daltile Keystones DK14 Moonlight 1x1 Mosaic Restroom Floors
   - Ceramic Tile CT-8 Restroom Floors
   - Ceramic Tile CT-9 Restroom Floors
   - Ceramic Tile CT-10 Crossville Color By Numbers White 4"x8"
   - Ceramic Tile CT-11 Crossville Color By Numbers Grey 4"x8"
   - Ceramic Tile CT-12 Crossville Color By Numbers Blue 4"x8"

10. Other

    - 1/8" = 1'-0"

11. Miscellaneous

    - Plastic Laminate PL-2 TBD TBD TBD Casework (Horizontal Surfaces)
    - Solid Surface SS-2 CORIAN TBD TBD Casework Counters
    - Specialty Wall Finish SW-2 Wall Panel Systems Inc Shadow Line System with Plastic Laminate Panels TBD Wall Panels
    - Specialty Wall Finish SW-3 Fashion Architectural Designs Stacked Wood, Satine Collection FAD 1105 Prince Edward Walnut Textured Wood Panels
    - Specialty Wall Finish SW-4 Surface Quest Architectural Fusion TBD Film Wrapped On Wall
    - Stone ST-1 Match Exterior Stone Within Finish Schedule Cells: Slash Marks Indicate Differences In Color Within A Specific Material.
    - Specialty Wall Finish SW-5 Specialty Wall Finish TBD

12. Drywall

    - All Drywall Soffits To Be Painted Flat Ceiling White Unless Noted Otherwise On Ceiling Plans.

13. Paint

    - Paint PT-1 SHERWIN WILLIAMS EGGSCHEL 7005 PURE WHITE
    - Paint PT-2 SHERWIN WILLIAMS EGGSCHEL 9176 DRESS BLUE
    - Paint PT-3 SHERWIN WILLIAMS EGGSCHEL 6129 RESTRAINED GOLD
    - Paint PT-4 SHERWIN WILLIAMS EGGSCHEL 6130 MANNERED GOLD

14. Finishes

    - Paint Designated For Exposed Overhead Structure Is To Include White
    - Exposed Metal Components Associated With The Stair System (Unless Noted Otherwise), And All Exposed Metal Components Of The Handrail And Guardrail System
    - Luxury Vinyl Tile LVT-1 MOHAWK SELECT STEP STONE EARL GREY 18"x36" 20MIL WEAR LAYER

15. Tile

    - Ceramic Wall Tile To Extend Full Width And Full Height For Any Specialty Wall Finish SW-2 Wall Panel Systems Inc Shadow Line System With Plastic Laminate Panels TBD Wall Panels
    - Ceramic Wall Tile SW-3 Fashion Architectural Designs Stacked Wood, Satine Collection FAD 1105 Prince Edward Walnut Textured Wood Panels
    - Specialty Wall Finish SW-4 Surface Quest Architectural Fusion TBD Film Wrapped On Wall
    - Stone ST-1 Match Exterior Stone Within Finish Schedule Cells: Slash Marks Indicate Differences In Color Within A Specific Material.

16. Wall Protection

    - Wall Protection WP-1 CS ACROVYN 4000 SERIES 949 WHITE, SUEDE FINISH PARTIAL HEIGHT - TBD Use With Coordinating Trim/Corner Guards

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**FIRE SPRINKLER SYSTEM NOTES:**

- Waterflow Detector Alarm Check Valve Victaulic Series 751 (or approved equal)
- Such approval on the shop drawings
- All detail design drawings and calculations shall be sealed by a sprinkler system engineer or R.M.E. licensed in the State of Tennessee.

- The spaces are classified as "Light Hazard" (except where noted below)
- Throughout system, design calculations shall include sprinklers to provide a design density of 0.10 GPM/SQ FT for these occupancies. Janitor closets, Series 705W (or approved cement-mortar lining and seal coat according to AWWA C104.
- Include Glad, rubber according to NFPA 1963 and matching local fire department sizes and threads, and bottom outlet with pipe threads.
- Section A-A

### Preliminary Sprinkler Calculation Sheet

<table>
<thead>
<tr>
<th>Flow Test Data</th>
<th>GPM Demand of BDLD</th>
<th>Available Pressure</th>
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</thead>
<tbody>
<tr>
<td>Fire Test Pressure</td>
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<tr>
<td>Residual Pressure</td>
<td>Max</td>
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<tr>
<td>Time taken</td>
<td></td>
<td>9:00</td>
</tr>
</tbody>
</table>

#### GPM Demand of BLDLD
- Design Demand: HPPA (1.1) + multiplied by chance (0.1) = Demand
- Design Flow (GPM): 1044 q. ft.
- Remote area GPD divided by Density x Area = Demand
- Single GPM demand (F) regarding GPM for the first 295 sq. ft.
- Hour GPM demand (C) Light, 290 cubic, 150 extra hard
- Local GPM (Remains Area x Standard + Inches)

#### Available Pressure
- At test elevation from water line 81 ft. Grid
- GPM
- When Sprinkler Head covers: 0.1 GPM
- Area GPD = GPM
- Square footage opening 
  - Density = GPM sprinkler head (G)
- Factor of Sprinkler head (F) = 0.15
- Elevated difference from last floor to be of near. A38
- Elevated difference from last floor to be of near. A38
- Backflow Preventer pressure drop
- Safety Factor of 0.5
- Final Pressure drop

#### Estimated Friction Drop Thru Pipe Line
- Length of pipe from floor to test sprinkler head estimated (RI)
- MN. Pipe (1, 1/8, 1/2, 0.0003)
- Length of pipe from floor to test sprinkler head estimated (RI)
- MN. Pipe (1, 1/8, 1/2, 0.0003)
- Elevated difference from last floor to be of near. A38
- Factor of Sprinkler head (F) = 0.15
- Final Pressure drop

#### Estimated Required Flow Data for Building
- Requested GPM
- Requested psi
VENTING INFORMATION
This gas-fired oven is suitable for venting through a Wood Stone exhaust hood or one constructed in accordance with all relevant local and national codes. Alternatively, the oven may be vented using a direct connection to a power ventilated, grease duct rated, building heating appliance chimney.

NOTE: Models Listed for use with wood as a fuel source should be vented in accordance with NFPA96.
A SYSTEM NO. C-AJ-1044  
FORMERLY SYSTEM NO. 319  
SEPTEMBER 03, 2004  

F RATINGS - 2, 3, AND 4 HR (SEE ITEMS 2A AND 4)  

RATING - 1/2 HR  
September 07, 2004  

L RATING AT 400 F - LESS THAN 1 CFM/SQ FT  

W RATING - CLASS I (SEE ITEM 4)  

1. WALL ASSEMBLY - THE 1, 2 OR 3 HR FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE  
PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION  

1. FLOOR OR WALL ASSEMBLY - MIN 2-1/2 IN. (64 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT  
CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES  
IN TABLE UNDER ITEM 4, MIN THICKNESS OF SOLID CONCRETE FLOOR OR WALL ASSEMBLY IS 4-1/2 IN. FLOOR  
WHEN FLOOR IS CONSTRUCTED OF HOLLOW CORE PRECAST CONCRETE UNITS, PACKING MATERIAL (ITEM 3) AND  
WHEN FLOOR IS CONSTRUCTED OF HOLLOW-CORE PRECAST CONCRETE UNITS IS 7 IN. SEE CONCRETE BLOCKS (CAZT) AND PRECAST CONCRETE UNITS (CFTV) CATEGORIES IN THE FIRE RESISTANCE  

2. THROUGH PENETRANTS - ONE NONMETALLIC PIPE OR CONDUIT TO BE CENTERED WITHIN OPENING WITH A NOM 1/4  
WHICH IT IS INSTALLED.  

2. THROUGH PENETRANT - ONE METALLIC PIPE OR TUBING CENTERED WITHIN THE FIRESTOP SYSTEM. PIPE OR  

A. POLYVINYL CHLORIDE (PVC) PIPE - NOM 4 IN. (102 MM) DIAM (OR SMALLER) SCHEDULE 40 SOLID CORE OR  

B. RIGID NONMETALLIC CONDUIT++ - NOM 4 IN. (102 MM) DIAM (OR SMALLER) SCHEDULE 40 PVC CONDUIT I  

C. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE - NOM 4 IN. (102 MM) DIAM (OR SMALLER) SDR13.5 CPVC   PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEMS.  

D. ACRYLONITRILE BUTADIENE STYRENE (ABS) PIPE - NOM. 4 INCH (102 MM) DIAM. (OR SMALLER) SCHEDULE 40  
SOLID CORE OR CELLULAR CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED  

E. COPPER - TUBING NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBE.  

F. POLYVINYLIDENE FLUORIDE (PVDF) PIPE - NOM 2 IN. (51 MM) DIAM (OR SMALLER) SDR 11, OR NOM 4 IN.   (102 MM) DIAM (OR SMALLER) SDR 32.5 PVDF PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED  

3. PACKING MATERIAL - POLYETHYLENE BACKER ROD OR NOM 1 IN. THICKNESS OF TIGHTLY-PACKED MINERAL  
WOOL BATT OR GLASS FIBER INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING  

ANCHOR STRAPS OR ACHOR BOLTS, SYMMETRICALLY LOCATED, FOR NOM. 2 INCH (51 MM) DIAM. (AND SMALLER),  
NOM. 3 INCH (76 MM) DIAM. AND NOM. 4 INCH (102 MM) DIAM PIPES, RESPECTIVELY.  

*BEARING THE UL CLASSIFICATION MARKING
VENTING INFORMATION

This gas-fired oven is suitable for venting through a Wood Stone exhaust hood or one constructed in accordance with all relevant local and national codes. Alternatively, the oven may be vented using a direct connection to a power ventilated, grease duct rated, building heating appliance chimney.

NOTE: Models listed for use with wood as a fuel source should be vented in accordance with NFPA 96.

CLEARANCES Consult installation guide for clearance specifics.

Left/Left Configuration Shown. Other Configurations similar

Unit Shipping Weight: 11,500 lbs (5,216 kg)

SEE ENLARGED UPPER LEVEL KITCHEN FLOOR PLANS ON SHEETS P231 AND P232 FOR SANITARY, GREASE WASTE, DOMESTIC WATER AND NATURAL GAS THIS AREA
DOMESTIC WATER LINES ARE TO REMAIN

CONNECT NEW 2"CW, 1"HW AND 1/2"HWR TO EXIST.

Sheet No.: Date: Sheet Content:
This drawing is the property of Beeson, Lusk & Street, use or reproduction of it, or any part of it, without the expressed consent of Beeson, Lusk & Street, is prohibited.

This gas-fired oven is suitable for venting through a Wood Stone exhaust hood or one constructed in accordance with all relevant local and national codes. Alternatively, the oven may be vented using a direct connection to a power ventilated, grease duct rated, building heating appliance chimney.

NOTE: Models Listed for use with wood as a fuel source should be

Unit Shipping Weight: 11,500 lbs (5,216 kg)

CLEARANCES Consult installation guide for clearance specifics.

Left/Left Configuration Shown. Other Configurations similar

# REVISIONS DATE

Checker

Author

XXXXXX

Date:

Drawn By:

Project No.:

Project Coordinator:

Checked By:

---

NEW 1/2"H&CW UP IN WALL

NEW 1/2"H&CW DOWN IN WALL & BELOW SLAB - CONNECT W/ 1/2" H&CW TO EXIST. 3/4"H&CW CONNECT TO EXIST. 1 1/4"HW & 1"CW

DEMO ALL EXISTING HOT AND COLD WATER Pipe FROM THIS POINT DOWNSTREAM - CAP FOR FUTURE

DEMO ALL EXISTING COLD WATER Pipe FROM THIS POINT DOWNSTREAM - CAP FOR FUTURE

CONNECT NEW 3/4"H&CW & 2" PIPE UP IN WALL TO CEILING SPACE ABOVE EXIST. 1/2"H&CW

EXIST. 1/2"H&CW SPACE ABOVE TO SINK IS TO REMAIN

DEMO ALL EXISTING HOT AND COLD WATER Pipe FROM THIS POINT DOWNSTREAM - CAP FOR FUTURE

EXISTING DOMESTIC WATER Pipe IS TO REMAIN - DOMESTIC WATER Pipe FEEDING EQUIPMENT SHALL REMAIN

DEMO EXISTING 2"NG FROM THIS POINT NATURAL GAS DOWNSTREAM - CAP FOR FUTURE USE

New 4" NATURAL GAS MAIN IS TO REMAIN EXIST. 2 1/2" NATURAL GAS TO REMAIN AIR HANDLER

Provide NEW 5" HEADER AT METER - NEW TOTAL CONNECTED LOAD OF 6000 MBH, LONGEST RUN OF 350 FEET

---

JOHNSTON COUNTY, TENNESSEE

D.P. CULP EXPANSION & RENOVATION: STRUCTURAL STEEL

RELEASE PACKAGE 1: SITE UTILITIES AND EAST TENNESSEE STATE UNIVERSITY

ENLARGED UPPER LEVEL KITCHEN WATER & NATURAL GAS PLAN

---

CONSTRUCTION DOCUMENTS

Sheet No.: P232

Date: 9/18/2017
**HEATING AND COOLING UNIT SCHEDULE - EXISTING**

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>TYPE</th>
<th>CFM</th>
<th>BHP</th>
<th>UNIT PRICE</th>
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<td>491-615</td>
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<td>BHP</td>
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<tr>
<td>PROVIDE EACH UNIT WITH SAFETY DISCONNECT, AND LOW AMBIENT CONTROLS AND ANTI-SHORT CYCLE TIMER.</td>
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**EXHAUST FAN SCHEDULE - EXISTING**

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<tr>
<td>DOE</td>
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<td>1600</td>
<td>390</td>
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<tr>
<td>BHP</td>
<td>EF</td>
<td>854,000</td>
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<td><strong>NOTES:</strong></td>
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<tr>
<td>PROVIDE MANUFACTURER'S ROOF CURB</td>
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**ELECTRIC SPLIT SYSTEM HEAT PUMP SCHEDULE - EXISTING**

<table>
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<tr>
<th>LOCATION</th>
<th>SYMBOL</th>
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<th>SYMBOL</th>
<th>CFM</th>
<th>LOCATION</th>
<th>SYMBOL</th>
<th>CFM</th>
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</thead>
<tbody>
<tr>
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<td>10,990</td>
<td>BELT</td>
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**GENERAL NOTES:**

- ALL EXPOSED DUCTWORK SHALL BE FACTORY PRIMED SHEETMETAL AND PAINTED (COLOR TO BE SELECTED BY ARCHITECT).
- INSTALL ALL DUCTWORK IN ACCORDANCE WITH LOCAL CODES AND REQUIREMENTS.
- PROVIDE IN-PLACE INSULATION OF DUCTWORK.  PROVIDE INSULATION OF COOLING COILS.
- PROVIDE IN-PLACE INSULATION OF DUCTWORK.  PROVIDE INSULATION OF COOLING COILS.
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- PROVIDE IN-PLACE INSULATION OF DUCTWORK.  PROVIDE INSULATION OF COOLING COILS.
## ROOFTOP AIR HANDLER UNIT WITH CHILLED WATER COOLING/HOT WATER PRE-HEATING COILS

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Supplier</th>
<th>EAT. DEG. F</th>
<th>AIR FLOW RATE</th>
<th>E.A.T./L.A.T. HTG CAP.</th>
<th>HTG PRESSURE</th>
<th>COOLING VOLTAGE MCA</th>
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</thead>
<tbody>
<tr>
<td>JCI</td>
<td></td>
<td></td>
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</tbody>
</table>

### ACCESSORIES AND FEATURES:
- Contractor shall provide transformers for controls of units, see also Electrical Drawings.
- Manufacturer & Supply Fan: WATER (P.D.)
- Manufacturer & Supply Fan: STATIC (P.D.)

### AIR COOLED CHILLER SCHEDULE

<table>
<thead>
<tr>
<th>COMPRESSOR</th>
<th>COMPRESSOR</th>
<th>CHILLED WATER</th>
<th>CHILLED WATER</th>
</tr>
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<tbody>
<tr>
<td>YORK</td>
<td>SCROLL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TYPE</td>
<td></td>
<td>LEAVING °F</td>
<td>TON (NO.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>236.6</td>
<td>1.0</td>
</tr>
</tbody>
</table>

#### ACCESSORIES AND FEATURES:
- Alternative Manufacturers: TRANE, CARRIER.
- Chiller shall use R-134A refrigerant.
- Provide 5 Year Compressor Warranty.
- Provide Seismic Vibration Isolators.
- Provide Factory Roof Curb.
- Provide Preheat Coil and Heat Recovery Coil in RTU 3-3

### VAN BOX WITH HOT WATER REHEAT COIL SCHEDULE

<table>
<thead>
<tr>
<th>COIL</th>
<th>COIL</th>
<th>LEAVING °F</th>
<th>B.T.U.</th>
<th>GPM</th>
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<tbody>
<tr>
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### Noise Criteria

<table>
<thead>
<tr>
<th>HOT WATER</th>
<th>HOT WATER</th>
</tr>
</thead>
</table>

---

**E.A.T. DEG. F**

**AIR WEIGHT**

**PRESSURE**

**FLOW RATE**

**MODEL NO.**

**SYMBOL** (CFM.)

**DB/WB**

**SEN.**

**EVAP. FAN**

**TOTAL IN. WG.**

**MOCP**

**FT. WG.**

**FT. WG. (AT THE COIL)**

**COOLING VOLTAGE MCA**

**H.P.**

**RTU**

**JCI**

**SCROLL**

**100**

**1**

**ACCESSORIES AND FEATURES:**
- CONTRACTOR SHALL PROVIDE TRANSFORMERS FOR CONTROLS OF UNITS, SEE ALSO ELECTRICAL DRAWINGS.
UL SYSTEM NO. FC-1011
T RATING: 1HR
TOP VIEW

1. FLOOR-CEILING ASSEMBLY - THE FIRE-RATED WOOD JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN DESIGNS NO. L512, L513 OR L514 IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL ENTER WITHIN THE FIRESTOP SYSTEM. DIA. OF OPENINGS HOLE-SAWED THROUGH FLOORING SYSTEM AND THROUGH GYPSUM WALLBOARD CEILING TO BE NOM. 1/4 IN. LARGER THAN THE OUTSIDE DIA. OF THROUGH PENETRANT.

(a) STEEL PIPE - NOM. 6 IN. DIA. (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
(b) IRON PIPE - NOM. 6 IN. DIA. (OR SMALLER) SCHEDULE 20 (OR HEAVIER) IRON PIPE.
(c) COPPER PIPE - NOM. 4 IN. DIA. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
(d) COPPER TUBING - REGULAR (OR HEAVIER) COPPER TUBING.
(e) COPPER TUBING - A/D FIRE PROTECTION SYSTEMS INC.

2. FILL, VOID OR CAVITY MATERIAL* - PROVIDE MINNESOTA MINING AND MANUFACTURING - CP 25 WB+ - CAULK APPLIED WITHIN THE ANNULUS, FLUSH WITH THE TOP SURFACE OF THE FLOOR OR SUBFLOOR (SECONDARY FIRESTOP SYSTEM) AND GYPSUM WALLBOARD CEILING (PRIMARY FIRESTOP SYSTEM). A NOM 1/4 IN. DIAM BEAD AS AN ALTERNATE TO ITEMS 3 AND 4 FOR NOM 1-1/2, 2, 3 OR 4 IN. DIAM NONMETALLIC PIPES, A FIRESTOP SEALING LAP TAPE. TRANSVERSE JOINTS SECURED WITH METAL FASTENERS OR WITH BUTT TAPE SUPPLIED WITH THE PRODUCT.

3. FIRESTOP SYSTEM - THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS ENTERED WITHIN THE FIRESTOP SYSTEM. DIA. OF OPENINGS HOLE-SAWED THROUGH FLOORING SYSTEM AND THROUGH GYPSUM WALLBOARD CEILING TO BE NOM. 1/4 IN. LARGER THAN THE OUTSIDE DIA. OF THROUGH PENETRANT.

(a) STEEL PIPE - NOM. 6 IN. DIA. (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
(b) IRON PIPE - NOM. 6 IN. DIA. (OR SMALLER) SCHEDULE 20 (OR HEAVIER) IRON PIPE.
(c) COPPER PIPE - NOM. 4 IN. DIA. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
(d) COPPER TUBING - A/D FIRE PROTECTION SYSTEMS INC.

4. TOP VIEW

5. FIRESTOP SEALING LAP TAPE - A/D FIREBARRIER SILICONE - A/D FIRE PROTECTION SYSTEMS INC.

6. WRAP STRIP LAYERS - 0.016 IN. THICK (30 GAUGE) GALV SHEET STEEL AVAILABLE FROM WRAP STRIP MANUFACTURER. AS AN ALTERNATE TO ITEMS 3 AND 4 FOR NOM 1-1/2, 2, 3 OR 4 IN. DIAM NONMETALLIC PIPES, A FIRESTOP SEALING LAP TAPE. TRANSVERSE JOINTS SECURED WITH METAL FASTENERS OR WITH BUTT TAPE SUPPLIED WITH THE PRODUCT.

7. OTHER MATERIALS - AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN, MAX. DIA. OF OPENING IS 6 IN.

8. MATERIALS AND IN THE MANNER SPECIFIED IN DESIGNS NO. L512, L513 OR L514 IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL ENTER WITHIN THE FIRESTOP SYSTEM. DIA. OF OPENINGS HOLE-SAWED THROUGH FLOORING SYSTEM AND THROUGH GYPSUM WALLBOARD CEILING TO BE NOM. 1/4 IN. LARGER THAN THE OUTSIDE DIA. OF THROUGH PENETRANT.

(a) STEEL PIPE - NOM. 6 IN. DIA. (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
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(c) COPPER PIPE - NOM. 4 IN. DIA. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
(d) COPPER TUBING - A/D FIRE PROTECTION SYSTEMS INC.
1. FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. THICK LIGHTWEIGHT OR NORMAL WEIGHT PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS. AN ANNULAR SPACE OF MIN 0 IN. (POINT CONTACT) PIPE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

L RATING AT 400° F--LESS THAN 1 CFM/sq ft OF MANUFACTURERS.

A. PACKING MATERIAL - POLYETHYLENE BACKER ROD OR NOM 1 IN. THICKNESS OF FIRESTOP CONFIGURATION B.

BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF WALL ASSEMBLY.

STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP ELASTOMERIC MATERIAL FACED ON ONE SIDE WITH GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION WRAP STRIP IS TO PROTRUDE 1/4 IN. ABOVE THE TOP SURFACE OF THE FLOOR. IN WALLS, EACH WRAP STRIP IS TO PROTRUDE 1/4 IN. FROM THE WALL SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL. THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES OR CONDUIT MAY BE USED:

C. NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 40 SOLID-CORE ACRYLONITRILEBUTADIENE- STYRENE (ABS) PIPE.

D. NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 40 FIRE RETARDANT POLYPROPYLENE (FRPP) PIPE.

G. NOM 6 IN. DIAM (OR SMALLER) SCHEDULE 40 CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE.

A. FILL, VOID OR CAVITY MATERIAL* - PROVIDE A/D FIRE PROTECTION SYSTEM A/D FIREBARRIER SILICONE

B. PACKING MATERIAL - MIN 3-1/2 IN. THICKNESS OF MIN 4 PCF MINERAL WOOL BATT

C. NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 40 SOLID-CORE ACRYLONITRILEBUTADIENE- STYRENE (ABS) PIPE.

D. NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 40 FIRE RETARDANT POLYPROPYLENE (FRPP) PIPE.

G. NOM 6 IN. DIAM (OR SMALLER) SCHEDULE 40 CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE.

ALL VENTS TO BE CATHODED AND/ OR PENETRATING FLOORS OR WALLS.
HAND DAMPER
A.D.
MAXIMUM 15 DEGREES

COIL.
OR SIDE, BOTH SIDES OF ACCESS DOORS, BOTTOM
FLOW A.D. A.D.
AIR
MAIN TRUNK DUCT
FULL SIZE OF REHEAT COIL
MIN 18”
UP TO 18” WIDE AND 6” FOR BRANCH DUCTS
12” FOR BRANCH DUCTS WIDER THAN 18”.

VAV/REHEAT COIL AT TRUNK DETAIL
NOT TO SCALE

AUTOMATIC CONTROL VALVE (3-WAY FOR HOT WATER)
1. INSTALL PIPING COUNTER FLOW TO AIR FLOW.
2. CHILLED WATER SUPPLY OR HOT WATER SUPPLY
BALL VALVE-UP TO 2 1/2”
BUTTERFLY VALVE - 3” AND UP.
3. CHILLED WATER RETURN OR HOT WATER RETURN
CIRCUIT SETTER BALANCING VALVE
WITH POSITIVE SHUT-OFF UP TO 2 1/2”
4. THERMOMETERS TO BE INSTALLED IN ELBOWS
ON PIPE 3” AND SMALLER.
5. GAUGE RANGE TO BE TWO TIMES NORMAL OPERATING PRESSURE
6. THERMOMETER RANGE TO BE TWO TIMES NORMAL OPERATING TEMPERATURE

PIPING ARRANGEMENT-
CHILLED/HOT WATER COIL-AHU MTD.
NOT TO SCALE

DRAIN VALVE (3/4”)
VENT VALVE
TH
GA

NOTE-2
NOTE-3
CHWR
HWR
OR
CHWS
HWS
OR

NOTES
AIR
FLOW
TH
GA
NOTE-2
NOTE-3
1. INSTALL PIPING COUNTER FLOW TO AIR FLOW.
2. HOT WATER SUPPLY
3. HOT WATER RETURN

3-WAY CONTROL VALVE
HOT WATER REHEAT COIL - DUCT MTD.
(3-WAY AUTOMATIC CONTROL VALVE - N.O. TO COIL)
PIPING ArrANGEMENT -
NOT TO SCALE

AND/OR PRESSURE PROBE.
TEST PLUGS FOR TEMPERATURE
LOCATION FOR INSTALLING
DRAIN VALVE(3/4”)
VENT
VALVE

1

P.V.
N.O.
N.C. C.
386
398
379
1

THERMOMETERS TO BE INSTALLED IN ELBOWS
ON PIPE 3” AND SMALLER.
5. GAUGE RANGE TO BE TWO TIMES NORMAL OPERATING PRESSURE
6. THERMOMETER RANGE TO BE TWO TIMES NORMAL OPERATING TEMPERATURE
FIRE AND FIRE/SMOKE DAMPER

DUCT MAY ATTACH TO SLEEVE OR DAMPER (C) (D) (F) (B) (A) (E)

NOTE:

MINIMUM 1-1/2" X 1-1/2" X 0.054 (16 GA.) RETAINING ANGLES MUST LAP STRUCTURAL OPENING (G) (B) (A) (E)

1" MINIMUM AND COVER CORNERS OF OPENINGS. (B) CLEARANCE: 1/8" PER LINEAR FOOT (TYPICAL)

BOTH DIMENSIONS (SEE NOTE 1 BELOW)

CONSTRUCTION. SOLDER ALL CORNERS WATER

C) STEEL SLEEVE: GAGE AS REQUIRED BY MANUFACTURER’S INSTRUCTIONS. (D) APPROVED FIRE DAMPER (CURTAIN OR BLADE TYPE)

TIGHT AND HEM ALL RAW EDGES.

E) SECURE RETAINING ANGLES TO SLEEVE ONLY ON 8" CENTERS WITH:

1. 1/2" LONG WELDS OR

2. 1/4" BOLTS AND NUTS, OR

3. NO. 10 STEEL SCREWS, OR

4. MINIMUM 3/16" STEEL RIVETS

(G) CONNECT DUCT TO SLEEVE AS REQUIRED BY THE MANUFACTURER.

(H) INSTALL ACCESS DOOR OR PANEL FOR SERVICE IN THE LISTING OF THE ASSEMBLY. THE SLEEVE MAY REST ON THE BOTTOM OF THE OPENING, AND NEED NOT BE CENTERED. (FRACTIONAL DIMENSIONS SHALL BE TAKEN AS THE NEXT LARGEST WHOLE FOOT).

30-3/8 INCHES WIDE (1/8 INCH X 3 FEET) BY 24-1/2 INCHES HIGH (1/8 INCH X 2 FEET.)

THE SLEEVE IS RETAINED IN THE WALL OPENING BY THE USE OF STEEL RETAINING ANGLES (A). THESE MUST OVERLAP THE EDGE OF THE FRAMING BY A MINIMUM OF ONE (1) INCH OVER AND BEYOND ALL MATERIAL IN THE OPENING. THIS MEANS THAT THE MINIMUM WIDTH OF THE RETAINING ANGLE WOULD BE 1-5/8 INCHES (GOOD PRACTICE CALLS FOR AN ADDITIONAL SAFETY FACTOR BY MAKING THE ANGLE IN THIS CASE 1-1/2 INCHES WIDE.)

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APPLIED SEALANT TO JOINT ALL AROUND
### GENERAL ELECTRICAL NOTES:

1. **The Contractor shall visit the job site and carefully examine those portions of the site affected by this work so as to become familiar with existing components, accessories, and mounting hardware to insure that specified equipment functions to meet system requirements.**

   **System No. W-L-1001 A**

   - **F Ratings** - 2, 3, and 4 Hr (See Items 2A and 4)
   - **T Rating** - 0 Hr (See Item 3)
   - **L Rating At Ambient** - less than 1 CFM/sq ft

2. **Av the theatrical lighting/sound system contractor**

3. **Ground bar to service entrance panel/disconnect and bond to grounding system.**

4. **Drawings to install the specified equipment such as hangers, supports, etc. Electrical contractor shall provide all material, labor, and equipment.**

### COMMUNICATIONS NOTES

- **FPN Fuse per nameplate requirements**
- **21. The contractor shall provide firestopping of all rated penetrations per details. Electrical boxes installed on opposite sides of a fire rated wall shall have a two foot minimum horizontal separation.**

- **22. One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in. (0 mm) (point contact) to max 2 in. (51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly.**

- **23. The contractor shall guaranty all work to be free of defects in workmanship and materials for one year after substantial completion.**

### ELECTRICAL NOTES

- **5. Furnish and install a complete addressable fire detection and evacuation system as described herein and as shown on the plans; to be wired, tested and approved.**

- **4. Control panel remote reporting - the system shall have an internally mounted digital alarm communicating transmitter (DACT), capable of being monitored by a fire alarm company.**

- **7. System shall be fully tested by a NICET certified technician in the presence of the owner's representative and be warranted for one year.**

- **11. All required documentation regarding the design of fire detection, alarm, and communications systems and the procedures for maintenance, shall be provided to the owner.**

- **14. Provide a dedicated neutral, color coded, for each ungrounded conductor. Sharing of neutrals is prohibited.**

- **15. Do not install more than three circuits (six current carrying conductors) in a conduit.**

- **16. Neutrals shall be color coded green.**

- **19. The neutral line shall be a separate conductor.**

- **20. A green, copper ground wire shall be installed in all conduit systems and shall be bonded to all enclosures, boxes, and equipment.**

- **23. The contractor shall guaranty all work to be free of defects in workmanship and materials for one year after substantial completion.**
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<tr>
<th>MODEL NUMBER</th>
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<td>LGUZ - CUP SERIES</td>
<td>TYPES AA AND A2. UNV PENDANT +3,000 LUMENS AND +102 LUMENS/WATT. 5 YEAR WARRANTY. PAINTED FINISH AND CORD COLORS BY ARCHITECT. FIXTURE TO MATCH TYPES A AND A2.</td>
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IN PROGRESS
REFERENCE NOTES

1. EXISTING PANELBOARD TO REMAIN.

2. EXISTING PANELBOARD TO BE REMOVED. PROVIDE NEW PANELBOARD AS SHOWN ON POWER PLANS.

3. EXISTING "TTB" LOCATION TO REMAIN.

4. EXISTING "DATA RACK" LOCATION TO REMAIN.

5. EXISTING "TTB" AND/OR "DATA RACK" LOCATION TO BE REMOVED.

SBC Project no. 166/005-01-2014CM

ED111

10/17/2017

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D.P. CULP EXPANSION & RENOVATION

EAST TENNESSEE STATE UNIVERSITY

JOHNSON CITY, TENNESSEE

LOWER LEVEL ELECTRICAL DEMO PLAN - AREA "A"

50% CONSTRUCTION

DOCUMENTS

1/8" = 1'-0"
REFERENCE NOTES

1. EXISTING PANELBOARD TO REMAIN.
2. EXISTING PANELBOARD TO BE REMOVED. PROVIDE NEW PANELBOARD AS SHOWN ON POWER PLANS.
3. EXISTING "TTB" LOCATION TO REMAIN.
4. EXISTING "DATA RACK" LOCATION TO REMAIN.
5. EXISTING "TTB" AND/OR "DATA RACK" LOCATION TO BE REMOVED.
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3. EXISTING "TTB" LOCATION TO REMAIN.
4. EXISTING "DATA RACK" LOCATION TO REMAIN.
5. EXISTING "TTB" AND/OR "DATA RACK" LOCATION TO BE REMOVED.

SBC Project no. 166/005-01-2014CM

D.P. CULP EXPANSION & RENOVATION
EAST TENNESSEE STATE UNIVERSITY
JOHNSON CITY, TENNESSEE

MIDDLE LEVEL ELECTRICAL DEMO PLAN - AREA "A"
REFERENCE NOTES

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2. EXISTING PANELBOARD TO BE REMOVED. PROVIDE NEW PANELBOARD AS SHOWN ON POWER PLANS.
3. EXISTING "TTB" LOCATION TO REMAIN.
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4. EXISTING "DATA RACK" LOCATION TO REMAIN.
5. EXISTING "TTB" AND/OR "DATA RACK" LOCATION TO BE REMOVED.
UPPER LEVEL LIGHTING PLAN - AREA 'B'

1/8" = 1'-0"
D.P. CULP EXPANSION & RENOVATION
EAST TENNESSEE STATE UNIVERSITY
JOHNSON CITY, TENNESSEE
LOWER LEVEL FOODSERVICE POWER PLAN - AREA B
50% CONSTRUCTION

1" = 1'-0"
VENTING INFORMATION

This gas-fired oven is suitable for venting through a Wood Stone exhaust hood or one constructed in accordance with all relevant local and national codes. Alternatively, the oven may be vented using a direct connection to a power ventilated, grease duct rated, building heating appliance chimney.

NOTE: Models Listed for use with wood as a fuel source should be vented in accordance with NFPA96.

CLEARANCES Consult installation guide for clearance specifics.

Unit Shipping Weight: 11,500 lbs (5,216 kg)
UPPER LEVEL FOODSERVICE POWER PLAN - AREA C
a direct connection to a power ventilated, grease duct rated, building heating appliance chimney.

NOTE: Models Listed for use with wood as a fuel source should be vented in accordance with NFPA96.

CLEARANCES Consult installation guide for clearance specifics.
UPPER LEVEL HVAC POWER PLAN - AREA 'B'

# REVISIONS DATE
This drawing is the property of Beeson, Lusk & Street, Architects, Inc., and the copying, use or reproduction of it, or any part of it, without the expressed consent of Beeson, Lusk & Street, is prohibited.
ALL EXISTING MILLWORK & EQUIPMENT TO BE REMOVED UNLESS TAGGED OR OTHERWISE NOTED.
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<td>Existing to Remain</td>
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</table>
ELECTRICAL REQUIREMENTS
- Quad Receptacle at Point of Sale (POS) Station.
- 208V/120V, 400A, 3 Phase, 4-Wire Electrical System with Breakers, Sub Panel and Access Door
- Dedicated Circuits for Espresso Machine, Water Heater and 2 POS Stations
- GFI Outlet at Blender
- Track Lighting
- Signage Circuitry

BACKROOM REQUIREMENTS
- 3 Compartment Sink
- Water Heater
- Mop Sink
- Refrigerated Storage
- Dry Storage Units Dishwasher
- Ice Maker

SITE CONDITIONS
- 12' minimum Ceiling Height
- Minimal columns in space

PLUMBING REQUIREMENTS
- 1" CW Line @ 50 psi minimum
- 4" Direct Waste Line
- Additional Water Filtration System as needed in backroom
- Up to four 12" X 12" floor sinks to be determined by plan

BACKROOM UTILITIES
- Up to 150 Amps, 3 Phase, 4-Wire Electric
- 1" CW Line, 1" HW Line
- 4" Direct Waste Line
- Up to two 12" X 12" floor sinks to be determined by plan
<table>
<thead>
<tr>
<th>Sheet No.</th>
<th>Sheet Set</th>
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<td>Facility Equipment Schedule</td>
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**EAST TENNESSEE STATE UNIVERSITY**

**D.P. CULP EXPANSION & RENOVATION**

John M. Johnson, AIA

Director, Project Management

(615) 386-0528

1625 Broadway

Nashville, TN 37203

Johnson City, TN.

(615) 386-9690

John Johnson

Architect of Record

D.P. Culp Expansion & Renovation

B.L.S. Architects

300 N. Market St.

Nashville, TN 37203

Facilitator:

Sheet No. 18

Table 1: Equipment Schedule

<table>
<thead>
<tr>
<th>TRIMARK</th>
<th>Quantity</th>
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**Notes:**

- Final shop drawings to be provided to HFR for review.
- All equipment must be installed in accordance with local electrical and gas codes.
- Water connections must be provided as per the equipment's specific requirements.
- Electrical connections must be provided as per the equipment's specific requirements.
- Gas connections must be provided as per the equipment's specific requirements.

**Contact Information:**

Beeson Lusk & Street, Inc.

1625 Broadway

Nashville, TN 37203

Phone: (615) 386-9690

Johnson City, TN.

Phone: (615) 386-0528

Email: johnson@beesonlusk.com

**Architect:**

John M. Johnson, AIA

**Project Manager:**

[Signatures]

[Date]

[Project Title]

[Building Number]

[Room Number]

[Building Access Information]

[Building Contact Information]

[Building Access Information]

[Building Contact Information]
**Foodservice Equipment Schedule**

**MEIN BOWL - EQUIPMENT SCHEDULE**

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<thead>
<tr>
<th>ITEM</th>
<th>NO.</th>
<th>QTY</th>
<th>Requested By</th>
<th>Received By</th>
<th>Install By</th>
<th>Final Conn. By</th>
<th>ELECTRICAL</th>
<th>COLD WATER</th>
<th>HOT WATER</th>
<th>DIRECT DRAIN</th>
<th>INDIRECT DRAIN</th>
<th>GAS</th>
<th>GAS AFF</th>
<th>PLUMB.</th>
<th>ELECTRICAL AFF</th>
<th>COMMENTS</th>
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<td>M1</td>
<td>Prep/Refrigerated Self-Service Case</td>
<td>230 V</td>
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<td>11 A</td>
<td>Plug</td>
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<td>M2</td>
<td>Front Counter Millwork</td>
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<tr>
<td>M3</td>
<td>POS Terminal By Owner/Operator</td>
<td>120 V</td>
<td>1</td>
<td>10 A</td>
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<td>1200 W</td>
<td>Plug</td>
<td>5-15P</td>
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<td>5 A</td>
<td>60 W</td>
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<td>Plug</td>
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<td>120 V</td>
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<td>15 A</td>
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<td>1824 W</td>
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<td>M6</td>
<td>Ice Beverage Dispenser</td>
<td>By Vendor</td>
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<td>Dual Temperature NSF-7 Hot &amp; Refrigerated Cold Pans</td>
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**Electrical**

- Volts
- Phase
- Amps
- Watts
- HP
- Connection Type
- NEMA

**Plumbing**

- Cold Water Size
- Cold Water Aff
- Hot Water Size
- Hot Water Aff
- Direct Drain Size
- Direct Drain Aff
- Indirect Drain Size
- Indirect Drain Aff

**Gas**

- Size
- BTUH
- Aff

*Note: These are estimated values and may require verification by a professional.*
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<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Manufacturer</th>
<th>Model/Part</th>
<th>Quantity</th>
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<td>Esco</td>
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**NOTES:**

1. All equipment items shown in the schedule are list as #1200 lb. E-Z Lift Trolley.
2. The manufacturer's name is shown as Esco.
3. The model number is shown as E-1926.
4. The quantity is shown as 2.

**CONTRACT CODES:**

- E: Equipment
- GEC: General Contractor furnished
- F: Furniture
- C: Contractor furnished
- G: Owner furnished
- P: Purchased

**NOTES:**

1. All equipment items shown in the schedule are list as #1200 lb. E-Z Lift Trolley.
2. The manufacturer's name is shown as Esco.
3. The model number is shown as E-1926.
4. The quantity is shown as 2.
The document appears to be a table listing various equipment items with their specifications and remarks. Here is the table in a plain text format:

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<tr>
<th>ITEM NO.</th>
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<td>Custom 208 V 1 8 A</td>
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<td>2</td>
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| CS-9     | 1    | Beverage Counter Millwork | 0 V 0 0 A 0 W 0' - 0" 0" 0' - 0" 0" 0' - 0" 0" 0' - 0" 0" 0.0 Btu/h 0' - 0"
| CS-8     | 2    | Tea Dispenser       |                   |
| D-7      | 1    | Microwave Oven      | 208 V 1 30 A 6200 W NEMA |
| D-5      | 2    | Panini Grill        | 120 V 1 15 A 1800 W 5-15P 0' - 0" |
| CS-6     | 2    | Ice Beverage Dispenser | 120 V 1 10 A 1200 W 5-15P 4' - 0" |
| CS-5E    | 1    | Evaporator Coil     | Custom 208 V 1 8 A 3/4" 0' - 0" |
| CS-5A    | 3    | Walk-In Panels      |                   |
| CS-5     | 6    | Walk-In Freezer     | 120 V 1 15 A 0' - 0" |
| CS-4E    | 1    | Evaporator Coil     | Custom 208 V 1 8 A 3/4" 0' - 0" |
| CS-4A    | 1    | Walk-In Panels      |                   |
| CS-4     | 3    | Walk-In Freezer     | 120 V 1 15 A 0' - 0" |
| CS-3     | 2    | Gondola Display Shelf | Custom 0 V 0 0 A 0 W 0' - 0" 0" 0' - 0" 0" 0' - 0" 0" 0.0 Btu/h 0' - 0"
| CS-2     | 1    | Millwork Counter Millwork | 0 V 0 0 A 0 W 0' - 0" 0" 0' - 0" 0" 0' - 0" 0" 0.0 Btu/h 0' - 0"
| CS-1     | 1    | Millwork Counter Millwork | 0 V 0 0 A 0 W 0' - 0" 0" 0' - 0" 0" 0' - 0" 0" 0.0 Btu/h 0' - 0"
| D-6      | 1    | Back Counter Millwork | 0 V 0 0 A 0 W 0' - 0" 0" 0' - 0" 0" 0' - 0" 0" 0.0 Btu/h 0' - 0"
| D-4      | 1    | Refrigerated Self-Service Case | 208 V 1 13 A 2517 W NEMA |
| D-3      | 2    | Panini Grill        | 120 V 1 15 A 1800 W 5-15P 0' - 0" |
| CS-1     | 1    | Millwork Counter Millwork | 0 V 0 0 A 0 W 0' - 0" 0" 0' - 0" 0" 0' - 0" 0" 0.0 Btu/h 0' - 0"
| D-2      | 2    | Refrigerated Self-Service Case | 208 V 1 13 A 2517 W NEMA |
| D-1      | 1    | Front Counter Millwork | 0 V 0 0 A 0 W 0' - 0" 0" 0' - 0" 0" 0' - 0" 0" 0.0 Btu/h 0' - 0"
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**STARBUCKS - EQUIPMENT SCHEDULE**

**NEMA ELECTRICAL REMARKS**

**COLD WATER SIZE**

**HOT WATER AFF**

**DIRECT DRAIN AFF**

**INDIRECT DRAIN AFF**

**GAS AFF PLUMBING**

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<tr>
<td>229A</td>
<td>1</td>
<td>Evaporator Coil Custom</td>
<td>Refer to Shop Drawings</td>
<td></td>
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<tr>
<td>230</td>
<td>1</td>
<td>Three Compartment Sink</td>
<td></td>
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<tr>
<td>231</td>
<td>1</td>
<td>Flight Type Dishwasher</td>
<td>May be drained to either end of Unit.</td>
<td></td>
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<tr>
<td>232</td>
<td>1</td>
<td>Walk-In Freezer Custom</td>
<td>Elect. Supply from Ceiling. Refer to Shop Drawings</td>
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<td>232A</td>
<td>1</td>
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<td>Refer to Shop Drawings</td>
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<tr>
<td>234</td>
<td>1</td>
<td>Walk-In Freezer Custom</td>
<td>Elect. Supply from Ceiling. Refer to Shop Drawings</td>
<td></td>
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</tr>
</tbody>
</table>

**Electrical Requirements:**

- **Volts:**
  - 120 V
  - 208 V

- **Phase:**
  - 1

- **Amps:**
  - 6 A
  - 10 A
  - 15 A
  - 5-15P
  - 8 A
  - 161 A
  - 15 A
  - 14 A

- **Watts:**
  - 708 W
  - 11100 W
  - 2400 W

- **HP:**
  - 0.33

- **Conn. Type:**
  - NEMA
  - Direct Connection
  - Cord & Plug
  - Gas Connection

- **Electrical Aff. Comments:**
  - Remarks on electrical connections and requirements are included in the table entries.

**Plumbing Requirements:**

- **Volts:**
  - 240V

- **Phase:**
  - 3 or Phase 1

- **Amps:**
  - 35 A
  - 240amps

- **Watts:**
  - 11.1Kw

- **BTUH:**
  - Required; 3-Wire + Ground

- **Conn. Type:**
  - NEMA

- **Gas Size:**
  - 240V

- **Gas Aff. Plumbing Remarks:**
  - Remarks on gas connections and requirements are included in the table entries.

**Additional Notes:**

- All equipment is drawn by and dated 10/17/2017.

- Project Number: 166/005-01-2014A

- Beeson, Lusk & Street, Inc., and the copying, expression, or reproduction of this document is prohibited without their expressed consent.
3" INTERNAL STANDOFF
GREASE DRAIN
WITH REMOVABLE CUP
SEE HOOD TABLE
§
EXHAUST RISER
HANGING ANGLE
12" X 12" RECESSED LED LIGHT, 3K WARM OUTPUT.
FIELD WRAPPER 18.00" HIGH
(SEE HOOD OPTIONS TABLE)
EQUIPMENT BY OTHERS
48.0" MAX
80"
30" NOM.
54"

SECTION VIEW - MODEL
5424ND-2
HOOD - #1
(#9)

IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.

20" CAPTRATE SOLO FILTER WITH HOOK
C             US
www.captivair.com

U.L. Listed 12" x 12" Recessed LED Light

16' 0.00"Nom./16' 0.00"OD
17'-0.00" Overall Length

54"

12"

16" ∅

96" 48"

11"

14"

∅

PLAN VIEW - Hood #1 (#9)
16' 0.00" LONG 5424ND-2
NOTE: Additional hanging angles provided for hoods 12' and longer.

U.L. Listed 12" x 12" Recessed LED Light

16' 0.00"Nom./16' 0.00"OD
17'-0.00" Overall Length

54"

12"

16" ∅

96" 48"

11"

14"

∅

PLAN VIEW - Hood #2 (#8)
16' 0.00" LONG 5430ND-2
NOTE: Additional hanging angles provided for hoods 12' and longer.

U.L. Listed 12" x 12" Recessed LED Light
IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.

20" CAPTRATE SOLO FILTER WITH HOOK

3" INTERNAL STANDOFF GREASE DRAIN WITH REMOVABLE CUP

SEE HOOD OPTIONS TABLE

12" X 12" RECESSED LED LIGHT, 3K WARM OUTPUT.

BACKSPLASH 122.00" HIGH X 159.00" LONG

FIELD WRAPPER 18.00" HIGH

EQUIPMENT BY OTHERS

48.0" MAX

80"

24" NOM.

54"

60"

9' 2.00" Nom./9' 2.00" OD

10'-3.00" Overall Length

54" 55" 11" 14" 45" 45" 10" 12" ∅

9' 2.00" LONG 5424ND-2

U.L. Listed 12" x 12" Recessed LED Light

7' 6.00" Nom./7' 6.00" OD

8'-6.00" Overall Length

3" LAYER OF INSULATION FACTORY INSTALLED IN 1.00" END STANDOFF MEETS CLEARANCE REQUIREMENTS TO COMBUSTIBLE SURFACES.

SECTION VIEW - MODEL 5424ND-2 HOOD - #5 (97)

SECTION VIEW - MODEL 6024ND-2 HOOD - #6 (46)
8' 6.00" Nom./8' 6.00" OD

8' 7.00" Overall Length

60"

1" LAYER OF INSULATION FACTORY INSTALLED IN 1.00" END STANDOFF MEETS 0" REQUIREMENTS CLEARANCE TO COMBUSTIBLE SURFACES.

1"

PLAN VIEW - Hood #7 (#C266)

6' 7.00" Nom./6' 7.00" OD

7'-7.00" Overall Length

54"

12" Utility Cabinet

3"

PLAN VIEW - Hood #8 (#C260)

39 1/2" 39 1/2"

10" 12"

∅

SECTION VIEW - MODEL 6024ND-2 HOOD - #7 (C266)

IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.

20" CAPTRATE SOLO FILTER WITH HOOK 3" INTERNAL STANDOFF GREASE DRAIN WITH REMOVABLE CUP SEE HOOD TABLE EXHAUST RISER HANGING ANGLE 12" X 12" RECESSED LED LIGHT, 3K WARM OUTPUT.

BACKSPLASH 122.00" HIGH X 139.00" LONG

FIELD WRAPPER 18.00" HIGH (SEE HOOD OPTIONS TABLE)

EQUIPMENT BY OTHERS 48.0" MAX 80" 24" NOM.

SECTION VIEW - MODEL 5424ND-2 HOOD - #8 (C260)

IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.

20" CAPTRATE SOLO FILTER WITH HOOK 3" INTERNAL STANDOFF GREASE DRAIN WITH REMOVABLE CUP SEE HOOD TABLE EXHAUST RISER HANGING ANGLE 12" X 12" RECESSED LED LIGHT, 3K WARM OUTPUT.

BACKSPLASH 122.00" HIGH X 127.00" LONG

FIELD WRAPPER 18.00" HIGH (SEE HOOD OPTIONS TABLE)

EQUIPMENT BY OTHERS 48.0" MAX 80" 24" NOM.
**TAG FAN UNIT MODEL # CFM ESP. RPM H.P. B.H.P. ∅ VOLT FLA DISCHARGE**

<table>
<thead>
<tr>
<th>#</th>
<th>TAG OPTION (Qty. - Descr.)</th>
<th>WEIGHT (LBS.)</th>
<th>SONES</th>
<th>FEATURES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1 - Utility Set - Spring Vibration Isolators - BI12 Thru BI18 / Equivalent Sized</td>
<td>31 LBS</td>
<td>43 3/8</td>
<td>- High Heat Operation 300°F (149°C)</td>
</tr>
<tr>
<td>2</td>
<td>1 - BI18 - Inlet Connection Standard 20&quot; Flanged Grease Duct.</td>
<td>44 LBS</td>
<td>28</td>
<td>- Thermal Overload Protection (Single Phase)</td>
</tr>
<tr>
<td>3</td>
<td>1 - BI - Discharge Orientation Vertical Upper Left - CW Inlet Side.</td>
<td>34 LBS</td>
<td>21</td>
<td>- Internal Wiring</td>
</tr>
<tr>
<td>4</td>
<td>1 - Grease Box</td>
<td>59 LBS</td>
<td>18</td>
<td>- Direct Drive Construction (No Belts/Pulleys)</td>
</tr>
<tr>
<td>5</td>
<td>1 - Utility Set Grease Cup</td>
<td>34 LBS</td>
<td>24</td>
<td>- Gravity Damper</td>
</tr>
<tr>
<td>6</td>
<td>1 - BI24 - 24&quot; Discharge Extension.</td>
<td>59 LBS</td>
<td>24</td>
<td>- Motorized Damper Wall</td>
</tr>
<tr>
<td>7</td>
<td>1 - Utility Set - Spring Vibration Isolators - BI12 Thru BI18 / Equivalent Sized</td>
<td>31 LBS</td>
<td>24</td>
<td>- Wall Mount</td>
</tr>
<tr>
<td>8</td>
<td>1 - Utility Set Grease Cup</td>
<td>44 LBS</td>
<td>24</td>
<td>- Gravity Damper</td>
</tr>
<tr>
<td>9</td>
<td>1 - BI13 - Inlet Connection Standard 14&quot; Flanged Grease Duct.</td>
<td>34 LBS</td>
<td>24</td>
<td>- Motorized Damper Wall</td>
</tr>
<tr>
<td>10</td>
<td>1 - BI13 - 24&quot; Discharge Extension.</td>
<td>59 LBS</td>
<td>24</td>
<td>- Wall Mount</td>
</tr>
<tr>
<td>11</td>
<td>1 - Grease Box</td>
<td>34 LBS</td>
<td>24</td>
<td>- Gravity Damper</td>
</tr>
<tr>
<td>12</td>
<td>1 - Hinge Kit - Ships Loose for Curb Supplied by Others</td>
<td>34 LBS</td>
<td>24</td>
<td>- Motorized Damper Wall</td>
</tr>
<tr>
<td>13</td>
<td>1 - Hinge Kit - Ships Loose for Curb Supplied by Others</td>
<td>34 LBS</td>
<td>24</td>
<td>- Wall Mount</td>
</tr>
<tr>
<td>14</td>
<td>1 - Grease Box</td>
<td>34 LBS</td>
<td>24</td>
<td>- Gravity Damper</td>
</tr>
</tbody>
</table>

**NOTE:**
- Dimensional drawings are not to scale and are for reference only. Actual dimensions may vary.
- Specifications and features are subject to change without notice.

**EXHAUST RISER ON HOOD**
- Listred Grease Duct.
- Abnormal Flare-Up Test
- Damaged to any extent that could cause unsafe operation.
- Deteriorating effects to the fan which would cause unsafe operation.
- Normal Temperature Test
- Thermal Equilibrium, and without any abnormal flare-up test.
- Thermal overload protection (Single Phase)
- UL705 and UL762
- Weatherproof disconnect
- Direct Drive Construction (No Belts/Pulleys)
- High Heat Operation 300°F (149°C)

**REFERENCE:**
- High Temp Gasket is used to seal the fan to the vented curb roof.
- Used for pitched roofs.
- Pitch specification:
  - 7/12 pitch = 30° slope
- Vented curb roof.
- Tested dye.
- Secured to the structure.
- Specifying pitch for pitched roofs.
- 0° pitch for flat roofs.
- Vented construction.
- 0° pitch for flat roofs.

**REVISIONS:**
- Sheet 7

**PROJECT NUMBER:**
- Lusk & Street, Inc.
- 6303 Carmel Road, Suite 105, Charlotte, NC 28226
- Phone: (704) 844-9088
- Fax: (919) 227-5952
- Email: reg30@captiveaire.com

**JOHNSON CITY, TENNESSEE**
- Phone: (615) 386-9690
- Fax: (432) 928-1175
- Phone: (901) 442-0400
- Phone: (800) 838-3478
- Phone: (432) 928-8207

**EAST TENNESSEE STATE UNIVERSITY - CULP CENTER ETSU**
- 3033137
- DWG.#:
- 6/22/2017
- Scale:
- Sheet 7/20

**D.P. CULP EXPANSION & RENOVATION**
- Piedmont Area Office
- 315 E. 7th Avenue, Suite 3C
- Johnson City, TN 37604-1909
- VARIABLE SPEED CONTROL
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (149°C)
- WEATHERPROOF DISCONNECT

**EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.**

**NORMAL TEMPERATURE TEST**

**INTERNAL WIRING**
- ROOF MOUNTED FANS
- RESTAURANT MODEL

**FEATURES:**
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- DUCTWORK BETWEEN EXHAUST RISER ON HOOD AND FAN (BY OTHERS)

**GREASE DRAIN**
- GREASE CLASSIFICATION TESTING
- UL705 AND UL762

**ABNORMAL FLARE-UP TEST**
- EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

**VENTED CURB**
- PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

**EXAMPLE:** 7/12 PITCH = 30° SLOPE

**OPTIONS**
- GREASE BOX
- HINGE KIT - SHIPS LOOSE FOR CURB SUPPLIED BY OTHERS

**FAN #5 DU85HFA - EXHAUST FAN (#46)**

**OPTIONS**
- BI13 - 24" DISCHARGE EXTENSION.
- BI - DISCHARGE ORIENTATION VERTICAL UPPER LEFT - CW INLET SIDE.
- BI13 - INLET CONNECTION STANDARD 14" FLANGED GREASE DUCT.
- UTILITY SET GREASE CUP
- UTILITY SET - SPRING VIBRATION ISOLATORS - BI12 THRU BI18 / EQUIVALENT SIZED UTILITY SET - INDOOR/OUTDOOR USE.

**SUPPORT RAILS**
- 4" DRAIN
- 2" DRAIN
- 7/8" SHAFT DIA.
- 10"
- 4" 36" SUPPORT RAILS

**FANS #7 (#C266), #8 (#C260) - USBI13DD-RM EXHAUST FAN**

**OPTIONS**
- BI13 - 24" DISCHARGE EXTENSION.
- BI - DISCHARGE ORIENTATION VERTICAL UPPER LEFT - CW INLET SIDE.
- BI13 - INLET CONNECTION STANDARD 14" FLANGED GREASE DUCT.
- UTILITY SET GREASE CUP
- UTILITY SET - SPRING VIBRATION ISOLATORS - BI12 THRU BI18 / EQUIVALENT SIZED UTILITY SET - INDOOR/OUTDOOR USE.
Any field-related discrepancies that are discovered during the SDV will be brought to the attention of the general contractor and appropriate sales office. If CAS Service has to respond to a discrepancy, responsibility: Electrician.

It is expected that the service personnel will perform a System Design Verification (SDV) once all equipment has been tested and start-up per the Operation and Installation Manual. Typically, the SDV will be performed after all inspections are complete.

Any field-related discrepancies that are discovered during the SDV will be brought to the attention of the general contractor and appropriate sales office. These issues will be brought to the attention of the general contractor and appropriate sales office. If the discrepancies are not resolved to the satisfaction of the general contractor and appropriate sales office, there will be an additional trip charge.

During the SDV, CAS Service will address any discrepancy that is the fault of the manufacturer. Should a return trip be required, the general contractor and appropriate sales office will be notified. There will be no additional charges for manufacturer discrepancies.

System Design Verification (SDV)

If a field-related discrepancy is discovered during the SDV, the service technician will bring it to the attention of the general contractor and appropriate sales office. These issues will be brought to the attention of the general contractor and appropriate sales office. If the discrepancies are not resolved to the satisfaction of the general contractor and appropriate sales office, there will be an additional trip charge.

During the SDV, CAS Service will address any discrepancy that is the fault of the manufacturer. Should a return trip be required, the general contractor and appropriate sales office will be notified. There will be no additional charges for manufacturer discrepancies.
Fan, Exhaust on in Fire, Lights out in Fire, Relay On/Off with Supply Fan, Fan(s) On/Off Thermostatically Controlled.  Room temperature.

Responsibility: Electrician

CAT-5 CONNECTION

LOAD LEG 1

DISCONNECT

Neutral

LINE

1:C

CAP OFF

HP:

9.5

Control Panel FANS

TO

VFD QUICK CONNECTOR

Control Panel TO FANS

Neutral

Overload

Power Sup. 24VDC

Overload

PN:

SC-310110MA

Sheet No.:

Date: Sheet Content:
UNLESS SPECIFIED OTHERWISE, ALL FACTORY AC WIRING 1 6 AWG. ALL FACTORY DC WIRING 18 AWG.

120V J9
120V J7
120V J7

A B C D E F G H I

3GAS
1N1
4SF1
8H1
6ST
4KTS
2AR1

8 7
RD-1
2x

3GAS
ST
C1
ST
N1
B1

BK 14AWG

HOOD LIGHTS
SCHHEMATIC FOR CONTROL INPUT
SHUNT TRIP
CONNECT TO CONTROL INPUT
RD-1
W1

MAKE UP AIR INTERLOCK.

AR1 N1

EOL120A at end
ECPM03/DAISY CHAIN
JUMPER

14 AWG
SFC2 SFO2
SFC1 SFO1

14 AWG
L3
L2

NO
C

C
C

BK
GR GR
BK
BK
BK
BK
BK

YW
YW

ON/OFF WITH
BK
BK
BK
BK
BK
BK
GND

L3/N
W/T3

20 x 18 x 8.62 BOX
208 V

DRY CONTACTS (SHOWN DE-ENERGIZED)

LEGEND

COMPONENT LIST
for field installation.
Fan, Exhaust on in Fire, Lights out
3 Phase w/ control for 1 Exhaust
CIRCUIT BOARDS
DESCRIPTION OF OPERATION

DRAWING TITLE

NC
RA-x
ST-X
PS-1
OL-X

120 VAC

TYPE
WIRING
FACTORY
FIELD WIRING

FLA:

P167:
P150:
P108:
P107:
P131:
P101:
P102:

01
9.5
11

01
7.500
21.1

0.0

0.0

0.0

01

8
6 5
2

DESCRIPTION
24VDC Light Relay
Contactor

PN:

WIRING
FACTORY
FIELD WIRING

COM

24
23
22
21
20
19
18
17
16
15
14
13
12
11
10

VOLT:
HP:
FLA:

24 VDC
20 A
11.9 A
34.110.0184.0

BR- BROWN
BL- BLUE
ORANGE
BR- BROWN
OR/BL- OR/BL STRIPE
BK- BLACK
BL/RD- BL/RD STRIPE
WH- WHITE

GR- GREEN
RD- RED

Responsibility: Electrician
Responsibility: Electrician

C1 TO AR1 SHOULD HAVE EXTERNAL CONTACT SWITCH TO SFO2
SENSOR MOUNTED IN HOOD CAPTURE FROM HEAT SOURCES. SEE MANUAL REQUIRED BASED ON JOBSITE IN FIRE CONDITION.

GROUND WIRE TO VFD QUICK CONNECTOR

sensor shipped loose for field installation.

EAST TENNESSEE STATE UNIVERSITY
D.P. CULP EXPANSION & RENOVATION
PROJECT NO.:
MASTER DRAWING
DATE:

AUTHOR

NASHVILLE, TN, 37209
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4th Floor
Nashville, TN 37203

Beeson, Lusk & Street, is prohibited.

architects

ECP #9-1
INSTALL

sensor shipped loose for field installation.
<table>
<thead>
<tr>
<th>SHEET NUMBER</th>
<th>SHEET TITLE</th>
</tr>
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<tbody>
<tr>
<td>0</td>
<td>AV SYSTEM REFERENCE &amp; DETAILS</td>
</tr>
<tr>
<td>1</td>
<td>AV EQUIPMENT FLOOR PLANS</td>
</tr>
<tr>
<td>2</td>
<td>AV EQUIPMENT REFLECTED CEILING PLANS</td>
</tr>
<tr>
<td>3</td>
<td>AV SYSTEM SECTIONS &amp; ELEVATIONS</td>
</tr>
</tbody>
</table>
AV INFRASTRUCTURE SHEET SET

AV INFRASTRUCTURE SYMBOLS

AV SYSTEM BOX SCHEDULE

CONDUIT INSTALLATION NOTES

DEVICE

DESCRIPTION

A

4.5" X 4.5" 3.5" DEEP BOX WITH ONE GANG PLASTER RING

B

4.5" X 4.5" 3.5" DEEP BOX WITH TWO GANG PLASTER RING

C

4.5" X 8.6" 3.5" DEEP BOX WITH THREE GANG PLASTER RING

D

4.5" X 14" 3.5" DEEP BOX WITH SIX GANG PLASTER RING

E

12" X 12" 4" JUNCTION BOX

F

6" X 6" JUNCTION BOX

G

8" X 6" JUNCTION BOX

H

10" X 10" JUNCTION BOX

I

12" X 12" 4" JUNCTION BOX

J

ELECTRICAL JUNCTION BOX, SIZE AS NEEDED

AV SYSTEM BOX SCHEDULE

DEVICE

DESCRIPTION

A

4.5" X 4.5" 3.5" DEEP BOX WITH ONE GANG PLASTER RING

B

4.5" X 4.5" 3.5" DEEP BOX WITH TWO GANG PLASTER RING

C

4.5" X 8.6" 3.5" DEEP BOX WITH THREE GANG PLASTER RING

D

4.5" X 14" 3.5" DEEP BOX WITH SIX GANG PLASTER RING

E

12" X 12" 4" JUNCTION BOX

F

6" X 6" JUNCTION BOX

G

8" X 6" JUNCTION BOX

H

10" X 10" JUNCTION BOX

I

12" X 12" 4" JUNCTION BOX

J

ELECTRICAL JUNCTION BOX, SIZE AS NEEDED

CONDUIT INSTALLATION NOTES

1. ALL ROUTING SHOWN IN THIS DRAWING IS FOR AV CABLE RACEWAY AS NOTED. COORDINATE EXACT ROUTE BASED ON FIELD CONDITIONS.

2. ROUTING OF CONDUIT SHOWN FOR DESIGN INTENT ONLY. ALL CONDUIT SHALL BE (EMT) ELECTRICAL METAL TUBING OR (IMC) IRON METAL CONDUIT PROVIDED BY THE ELECTRICAL CONTRACTOR.

3. ALL CEILING SPEAKERS ARE SHOWN FOR ZONING AND CONDUIT SIZING ONLY. REFER TO "AV SYSTEM BOX SCHEDULE" FOR TYPES AND SIZE.

4. KEEP 90° BENDS TO A MINIMUM. THE CONDUIT SYSTEM SHALL NOT HAVE MORE THAN THREE 90° BENDS OR THEIR EQUIVALENT (270°) FROM BURIED OR UNEVENLY CUT CONDUIT.

5. ALL PULL BOXES AND OUTLET BOXES SHALL BE AT LEAST 3.5" DEEP.

6. INSTALL NYLON PULL STRINGS IN ALL CONDUITS. CAULK OR OTHERWISE SEAL ALL PENETRATIONS THROUGH ACOUSTICAL PARTITIONS AND BARRIERS WITH ACOUSTICAL SEALANT. SEE DIV. 7 SEALANT SECTION.

7. INSTALL NYLON PULL STRINGS IN ALL CONDUITS. CAULK OR OTHERWISE SEAL ALL PENETRATIONS THROUGH ACOUSTICAL PARTITIONS AND BARRIERS WITH ACOUSTICAL SEALANT. SEE DIV. 7 SEALANT SECTION.

8. THE STANDARD SIZE FOR ALL AV CONDUIT SHALL BE 0.75" UNLESS NOTED OTHERWISE. ALL EXPOSED CONDUIT SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO STRUCTURE ABOVE.

9. THE STANDARD SIZE FOR ALL AV CONDUIT SHALL BE 0.75" UNLESS NOTED OTHERWISE. ALL EXPOSED CONDUIT SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO STRUCTURE ABOVE.

10. INSTALL NYLON PULL STRINGS IN ALL CONDUITS. CAULK OR OTHERWISE SEAL ALL PENETRATIONS THROUGH ACOUSTICAL PARTITIONS AND BARRIERS WITH ACOUSTICAL SEALANT. SEE DIV. 7 SEALANT SECTION.

11. CEILING SPEAKERS ARE SHOWN FOR ZONING AND CONDUIT SIZING ONLY. REFER TO "AV SYSTEM BOX SCHEDULE" FOR TYPES AND SIZE.

12. ALL CEILING SPEAKERS ARE SHOWN FOR ZONING AND CONDUIT SIZING ONLY. REFER TO "AV SYSTEM BOX SCHEDULE" FOR TYPES AND SIZE.

13. PVC IS NOT ACCEPTABLE UNLESS NOTED OTHERWISE.
AV POWER AND DATA REQUIREMENTS (FOR REFERENCE ONLY)

**GENERAL NOTES:**

A. UNLESS OTHERWISE NOTED, ALL OUTLETS SHALL BE 20-AMPERE DEDICATED CIRCUITS.

B. ALL CIRCUITS SHOULD HAVE BOTH CONDUCTORS AND GROUND WIRE HOMERUN TO SERVICE PANEL. OUTLETS SHOULD NOT HAVE SHARED GROUND WIRES.

C. WALL-MOUNTED OUTLETS SHOULD BE MOUNTED AT STANDARD RECEPTACLE HEIGHT AS DEFINED FOR THIS PROJECT, UNLESS OTHERWISE NOTED.

D. WHERE POWER AND DATA IS REQUIRED IN THE CEILING, LOCATE PULL BOX WITHIN 36" OF FINISHED CEILING AT DESIGNATED LOCATION AND PROVIDE 72" FMC TO DEVICE BOX TO ALLOW FINAL SERVICE LOCATION TO BE COORDINATED WITH AV EQUIPMENT LOCATION.

E. AV POWER AND DATA REQUIREMENTS ARE SHOWN FOR COORDINATION ONLY. AV POWER AND DATA REQUIREMENT DRAWINGS WILL NOT BE ISSUED AS PART OF THE CONSTRUCTION SET. IN SUBSEQUENT PROJECT PHASES, POWER REQUIREMENTS SHOULD BE COORDINATED AND TRANSFERRED TO ELECTRICAL SHEETS.

F. POWER AND DATA SHOWN IS FOR AV SYSTEM ONLY AND IS IN ADDITION TO ANY OTHER REQUIREMENTS BY OTHERS.

G. MOUNT POWER AND DATA ADJACENT TO AV BOX UNLESS OTHERWISE NOTED.

**J-BOX FOR AV** - SEE EAV DRAWINGS FOR QUANTITY, TYPE, SIZE, MOUNTING HEIGHT, ETC.

**J-BOX FOR POWER** - SEE ELECTRICAL DRAWINGS FOR QUANTITY, TYPE, SIZE, MOUNTING HEIGHT, ETC.

**J-BOX FOR DATA** - SEE TELECOM DRAWINGS FOR QUANTITY, TYPE, SIZE, MOUNTING HEIGHT, ETC.

**TYPICAL AV, POWER, AND DATA BOX MOUNTING**