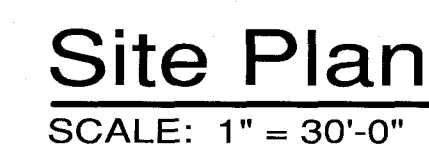


# #1 Leggett Road Carthage, MO

Owner:  
**Leggett & Platt, Inc.**  
#1 Leggett Road Carthage, MO 64836  
Owner's Representative:  
Shawn Manley, Director of Facilities Management  
TELE: 417-434-4931

|                         |   |
|-------------------------|---|
| Code Used:              | 2012 INTERNATIONAL BUILDING CODE<br>2012 INTERNATIONAL PLUMBING CODE<br>2012 INTERNATIONAL MECHANICAL CODE<br>2011 NATIONAL ELECTRICAL CODE<br>2012 INTERNATIONAL FIRE CODE<br>2012 INTERNATIONAL FUEL GAS CODE |
| Use Group:              | B - BUSINESS  |
| Construction Type:      | V-B - COMBUSTIBLE   |
| Building Area:          |   |
| Allowable:              | "B" BUSINESS - 23,000 S.F. PER STORY (TABLE 503)  |
| Actual:                 |   |
|                         | MAIN LEVEL : SOUTH BUILDING 8,443± S.F.   |
|                         | NORTH BUILDING 15, 830± S.F.  |
|                         | TOTAL 24,273± S.F.  |
| Occupancy:              | 244 OCCUPANTS - BUSINESS (24,273/100 = 243.7)   |
| Egress Requirements:    |   |
| # of Exits:             | 10 TOTAL EXITS FROM BUILDING  |
| Parking Requirements:   | ALL PARKING IS EXISTING AT THE COMPLEX  |
| Fire Protection System: |   |
|                         | CONTRACTOR TO PROVIDE ENGINEERED DRAWINGS   |



|     |                             |
|-----|-----------------------------|
| E1  | Power Plan - North End      |
| E2  | Power Plan - South End      |
| E3  | Lighting Plan - North End   |
| E4  | Lighting Plan - South End   |
| E5  | Bid Alternates - Electrical |
| E6  | Electrical Schedules        |
| FP1 | Fire Protection Plan        |

**Hunter & Millard**  
ARCHITECTS, INC.

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Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884

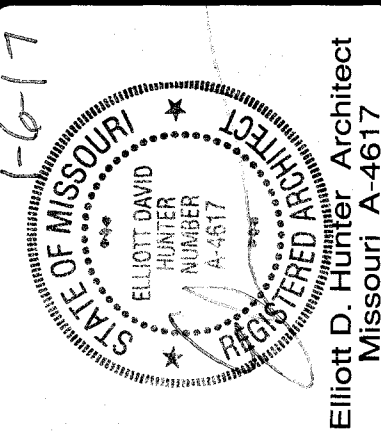
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casey@hunterandmillard.com

*website:*  
hunterandmillard.com

*check us out on Facebook:*  
Hunter & Millard Architects, Inc.

**Hunter & Millard**  
ARCHITECTS, INC.



Conference Center Renovations  
*Leggett & Platt*  
INCORPORATED  
#1 Leggett Road Carthage, MO

## Base Bid #1 - Renovation

Drawn By  
CJT  
Checked By

---

Date  
**January 06, 2017**

Scale  
**1" = 30'-0"**

Job Number  
**1627**

---

**Title Sht & Arch.  
Site Plan**

**T1**

**Base Bid 1 Renovation**

Demolition Plan Symbols

- EXISTING WALL REMAINS IN PLACE
- WALL TO BE REMOVED
- EXISTING PLUMBING FIXTURES TO BE REMOVED

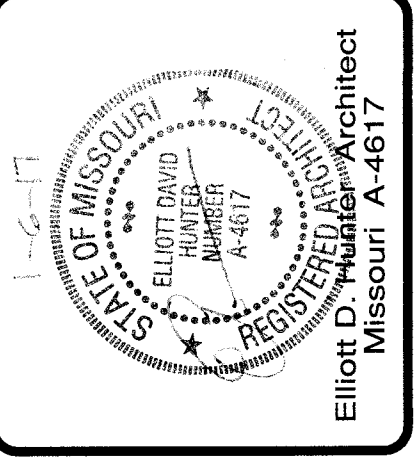
Demolition Notes:

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.
- BY CAREFUL STUDY OF DRAWINGS AND EXISTING CONDITIONS VERIFY THE EXTENT AND LOCATION OF DEMOLITION REQUIRED.
- SHUT OFF, CAP, AND OTHERWISE PROTECT EXISTING PUBLIC AND PRIVATE UTILITY LINES IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER OR THE PUBLIC AGENCY OR UTILITY HAVING JURISDICTION
- DEMOLISHED MATERIALS NOTED AS 'SALVAGE', 'REUSE', 'RELOCATE', OR 'REINSTALL' SHALL REMAIN PROPERTY OF LEGGETT & PLATT INC.. ALL OTHER DEMOLISHED MATERIALS SHALL BE CONSIDERED THE PROPERTY OF THE GENERAL CONTRACTOR UNLESS OTHERWISE STATED BY THE OWNER'S REPRESENTATIVE
- REMOVE WALL, EQUIPMENT, FIXTURES, APPLIANCE DOORS, ETC... AS INDICATED ON PLANS, COORDINATE REMOVAL WITH PLUMBING, MECHANICAL AND ELECTRICAL CONTRACTORS
- PATCH AND REPAIR ALL EXISTING FLOORS, CEILINGS, AND WALL DISTURBED BY DEMOLITION.
- REMOVE ALL CEILING SYSTEMS (GRID & TILE)
- MILLWORK TO BE REMOVED; VERIFY (WITH OWNER'S REP) IF OWNER WANTED TO KEEP ANY OF THE MILLWORK SHOWN AS REMOVED.

| Revisions         | By    |
|-------------------|-------|
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| Last Modification |       |
| DATE              | INTLS |

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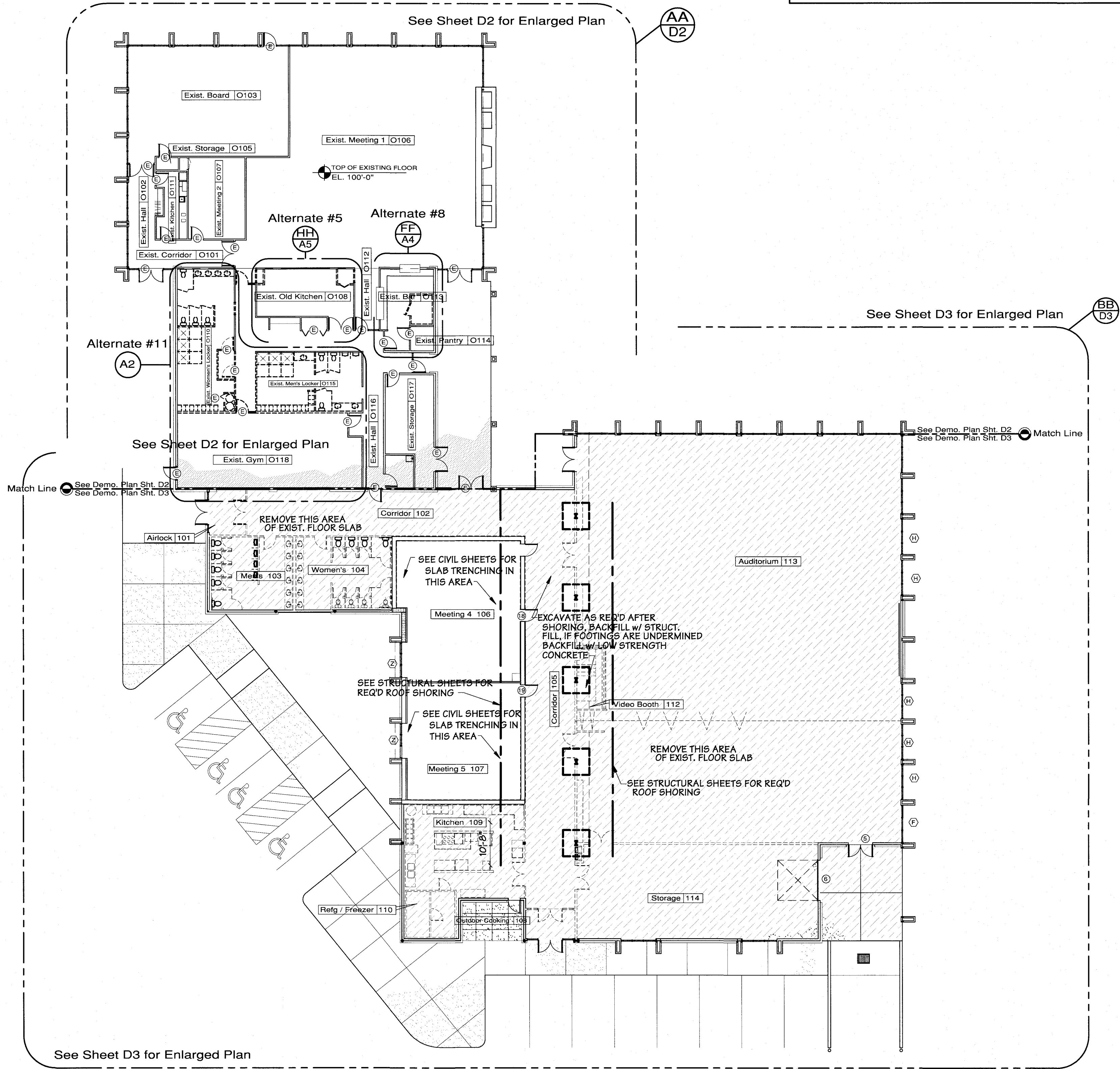
Hunter & Millard  
ARCHITECTS, INC.  
Missouri Certificate of Authority: A-2008008317



Conference Center Renovations  
Leggett & Platt  
INCORPORATED  
#1 Leggett Road Carthage, MO

|                                       |
|---------------------------------------|
| Drawn By<br>JWA                       |
| Checked By                            |
| Date<br>January 06, 2017              |
| Scale<br>1/16" = 1'-0"                |
| Job Number<br>1627                    |
| Existing/Demo Plan<br>Entire Building |
| D1                                    |
| Base Bid 1 Renovation                 |

Base Bid #1 - Renovation



Existing/Demolition Floor Plan

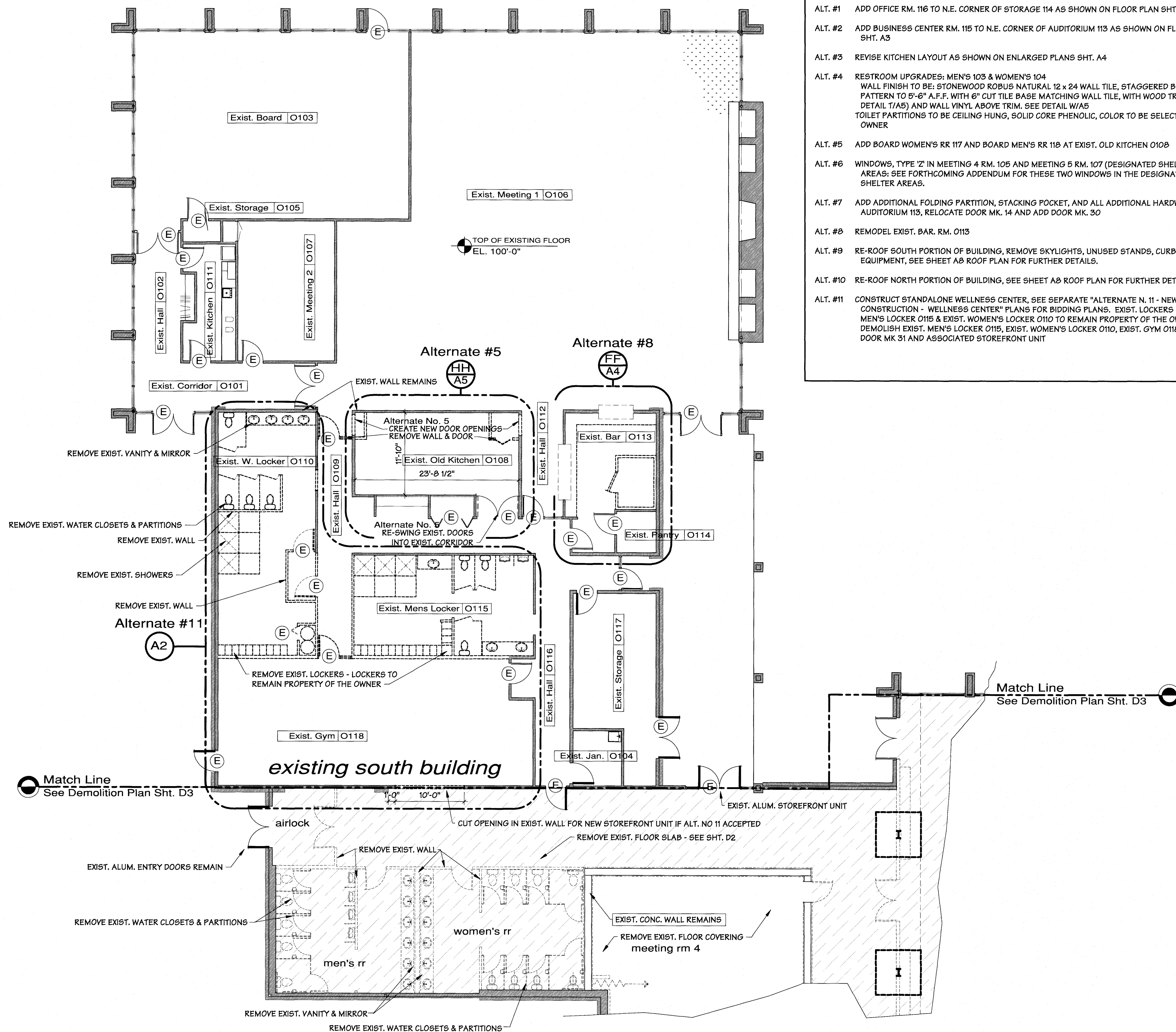
SCALE: 1/16" = 1'-0"



Alternates

- ALT. #1 ADD OFFICE RM. 116 TO N.E. CORNER OF STORAGE 114 AS SHOWN ON FLOOR PLAN SHT. A3
- ALT. #2 ADD BUSINESS CENTER RM. 115 TO N.E. CORNER OF AUDITORIUM 113 AS SHOWN ON FLOOR PLAN SHT. A3
- ALT. #3 REVISE KITCHEN LAYOUT AS SHOWN ON ENLARGED PLANS SHT. A4
- ALT. #4 RESTROOM UPGRADES: MEN'S 103 & WOMEN'S 104  
WALL FINISH TO BE: STONEWOOD ROBUS NATURAL 12 x 24 WALL TILE, STAGGERED BRICKWORK PATTERN TO 5'-6" A.F.F. WITH 6" CUT TILE BASE MATCHING WALL TILE, WITH WOOD TRIM (SEE DETAIL T/A5) AND WALL VINYL ABOVE TRIM. SEE DETAIL W/A5  
TOILET PARTITIONS TO BE CEILING HUNG, SOLID CORE PHENOLIC, COLOR TO BE SELECTED BY OWNER
- ALT. #5 ADD BOARD WOMEN'S RR 117 AND BOARD MEN'S RR 118 AT EXIST. OLD KITCHEN 0108
- ALT. #6 WINDOWS, TYPE 'Z' IN MEETING 4 RM. 106 AND MEETING 5 RM. 107 (DESIGNATED SHELTER AREAS; SEE FORTHCOMING ADDENDUM FOR THESE TWO WINDOWS IN THE DESIGNATED SHELTER AREAS.
- ALT. #7 ADD ADDITIONAL FOLDING PARTITION, STACKING POCKET, AND ALL ADDITIONAL HARDWARE IN AUDITORIUM 113, RELOCATE DOOR MK. 14 AND ADD DOOR MK. 30
- ALT. #8 REMODEL EXIST. BAR. RM. 0113
- ALT. #9 RE-ROOF SOUTH PORTION OF BUILDING, REMOVE SKYLIGHTS, UNUSED STANDS, CURBS, & EQUIPMENT, SEE SHEET A8 ROOF PLAN FOR FURTHER DETAILS.
- ALT. #10 RE-ROOF NORTH PORTION OF BUILDING, SEE SHEET A8 ROOF PLAN FOR FURTHER DETAILS.
- ALT. #11 CONSTRUCT STANDALONE WELLNESS CENTER, SEE SEPARATE "ALTERNATE N. 11 - NEW CONSTRUCTION - WELLNESS CENTER" PLANS FOR BIDDING PLANS. EXIST. LOCKERS IN EXIST. MEN'S LOCKER 0115 & EXIST. WOMEN'S LOCKER 0110 TO REMAIN PROPERTY OF THE OWNER, DEMOLISH EXIST. MEN'S LOCKER 0115, EXIST. WOMEN'S LOCKER 0110, EXIST. GYM 0118 ADD DOOR MK 31 AND ASSOCIATED STOREFRONT UNIT





### Alternates

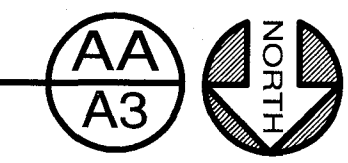
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This sheet depicts demolition plan required *IF Alternates No. 5, 8, & 11 are Accepted*

### Exist/Demo Plan - South End

See Demo Notes Sht. D1

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



Base Bid #1 - Renovation

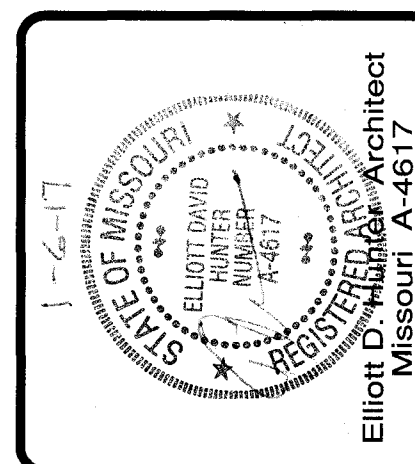
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| DATE              | INT'L |

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Missouri Certificate of Authority: A-2008008317



Conference Center Renovations

**Leggett & Platt**  
INCORPORATED

#1 Leggett Road Carthage, MO

Drawn By  
CJT  
Checked By

Date  
January 06, 2017

Scale  
1/8" = 1'-0"

Job Number  
1627

Exist/Demo Plan  
South End

**D2**

Base Bid 1 Renovation



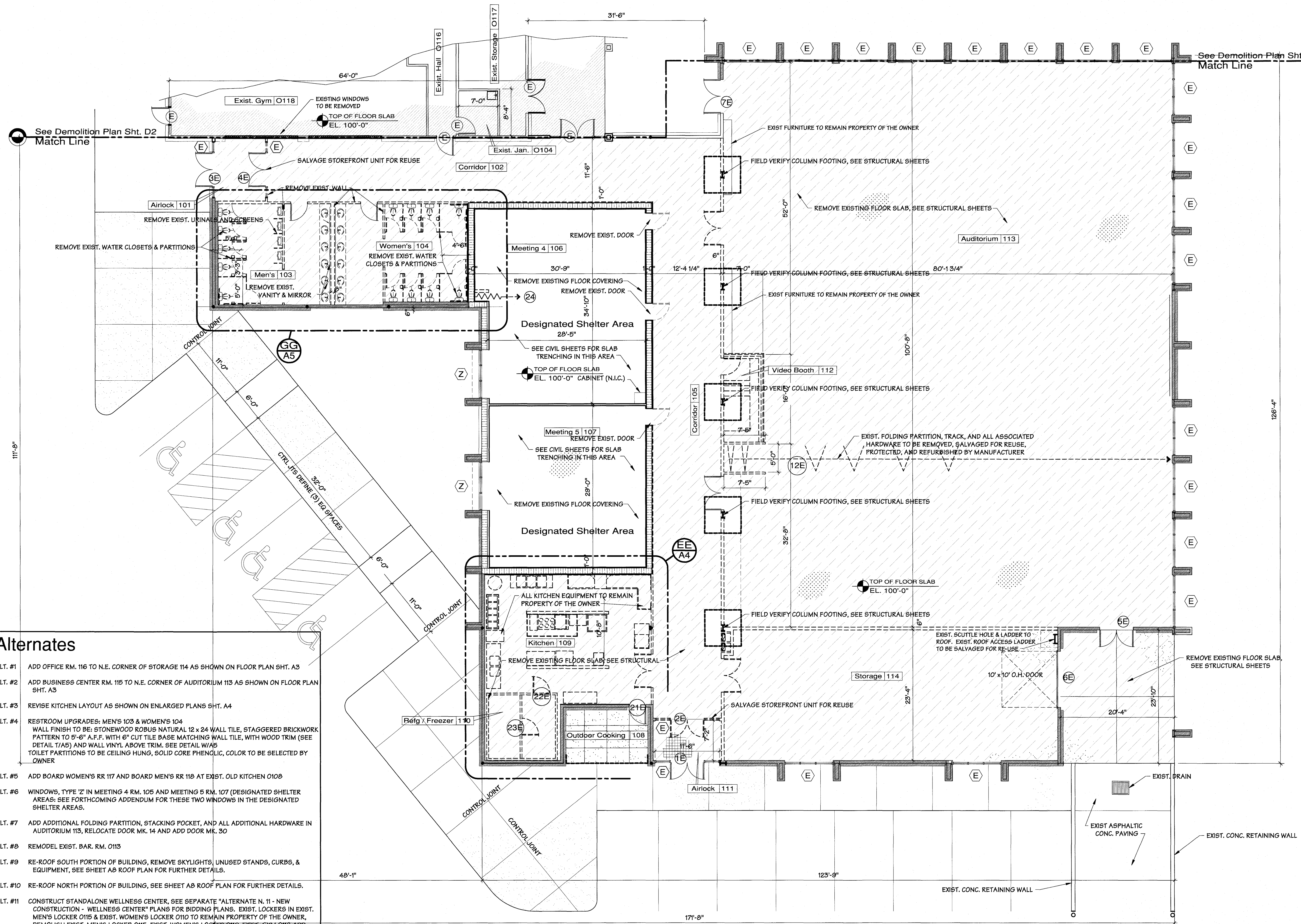
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Missouri Certificate of Authority: A-2008008317



#1 Leyyell Huan Carriage, MO

7



|          |   |
|----------|---|
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# Base Bid #1 - Renovation



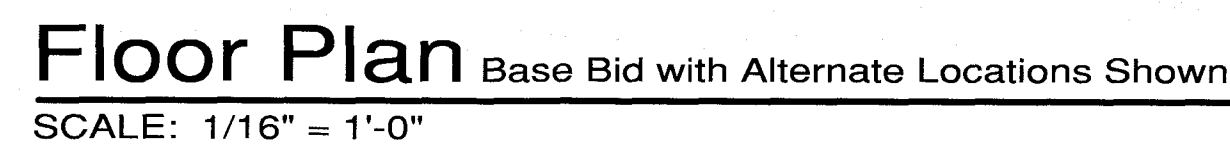
1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.
2. INTERIOR WALLS: WOOD STUD CONSTRUCTION.
3. SEE ROOM FINISH SCHEDULE/NOTES FOR FINISHES.
4. PROVIDE ADEQUATE BLOCKING IN WALLS FOR TOILET ACCESSORIES, PARTITIONS, SHELVING, MILLWORK ETC. VERIFY WITH OWNER'S REPRESENTATIVE OF ANY BLOCKING REQUIREMENTS OF ANY OWNER INSTALLED ITEMS.
5. FURNITURE AND WINDOW TREATMENTS SHALL BE (N.I.C.) NOT IN CONTRACT UNLESS OTHERWISE NOTED ON DRAWINGS.
6. WALL DIMENSIONS ARE NOMINAL:  
5": ACTUAL DIMENSION 4-7/8" INTERIOR WALLS, 3 1/2" MTL. STUDS @ 16" O.C.  
w/ 5/8" F.C. GYP. BD. EACH SIDE.
7. MILLWORK CONTRACTOR SHALL FIELD VERIFY FINAL DIMENSIONS.
8. PROVIDE AND INSTALL SOUND BATT INSULATION AT ALL INTERIOR WALLS.
9. SEE CIVIL, PLUMBING, MECHANICAL AND ELECTRICAL SHEETS FOR IN-SLAB REQUIREMENTS.

(N.I.C.) NOT IN CONTRACT. FURNISHED AND INSTALLED BY OTHERS.  
(TYP.) TYPICAL  
(RR) RESTROOM  
(DEMO) DEMOLITION, DEMOLISH OR REMOVE  
A.F.F. ABOVE FINISH FLOOR  
F.C. GPDW FIRE CODE GYPSUM DRYWALL  
F.E. FIRE EXTINGUISHER  
D.F. DRINKING FOUNTAIN  
C.J. CONTROL JOINT  
E.J. EXPANSION JOINT  
R.T.U. ROOF TOP UNIT  
D.S. DOWN SPOUT  
A.F.R. ABOVE FINISH ROOF  
T.S. TUBE STEEL (SEE STRUCTURAL SHEETS)  
F.D. FLOOR DRAIN (SEE PLUMBING PLANS)  
A.O.R. AREA OF REFUGE  
W.H. WATER HEATER (SEE PLUMBING PLANS)  
T.B.D. TO BE DETERMINED  
S.B. SOUND BATT INSULATION

Diagram illustrating various symbols used in fire insurance drawings:

- INTERIOR STUD WALL**: Represented by a wall with a vertical stud.
- DESIGNATED SHELTER WALL**: Represented by a wall with a horizontal line.
- CARPET**: Represented by a pattern of dots.
- VCT**: Represented by a grid pattern.
- F.E. FIRE EXTINGUISHER & CABINET**: Represented by a circle with a cross.
- F.E. FIRE EXTINGUISHER & BRACKET**: Represented by a circle with a cross and a bracket.
- ① DOOR ASSEMBLY MARK**: Represented by a circle with a cross and a dot.
- A WINDOW MARK**: Represented by a hexagon with a cross.
- ELEVATION MARK**: Represented by a circle with a triangle on top.
- SECTION/DETAIL LETTER/NUMBER**: Represented by a circle with 'A' and 'A9'.
- 1" = 1'-0" SECTION**: Scale bar indicating 1 inch equals 1 foot 0 inches.

|          |   |
|----------|---|
| ALT. #1  | ADD OFFICE RM. 116 TO N.E. CORNER OF STORAGE 114 AS SHOWN ON FLOOR PLAN SHT. A3   |
| ALT. #2  | ADD BUSINESS CENTER RM. 115 TO N.E. CORNER OF AUDITORIUM 113 AS SHOWN ON FLOOR PLAN SHT. A3   |
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Missouri Certificate of Authority: A-2008008317



***Leggett & Platt***  
INCORPORATED  
#1 Leggett Road Carthage, MO

Drawn By  
CJT

Checked By

Date  
January 06, 2017

Scale  
1/16" = 1'-0"

Job Number  
1627

Floor Plan  
Tire Building

**A1**

Bid 1 Renovation

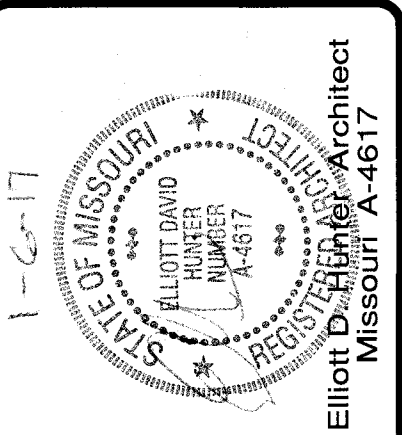




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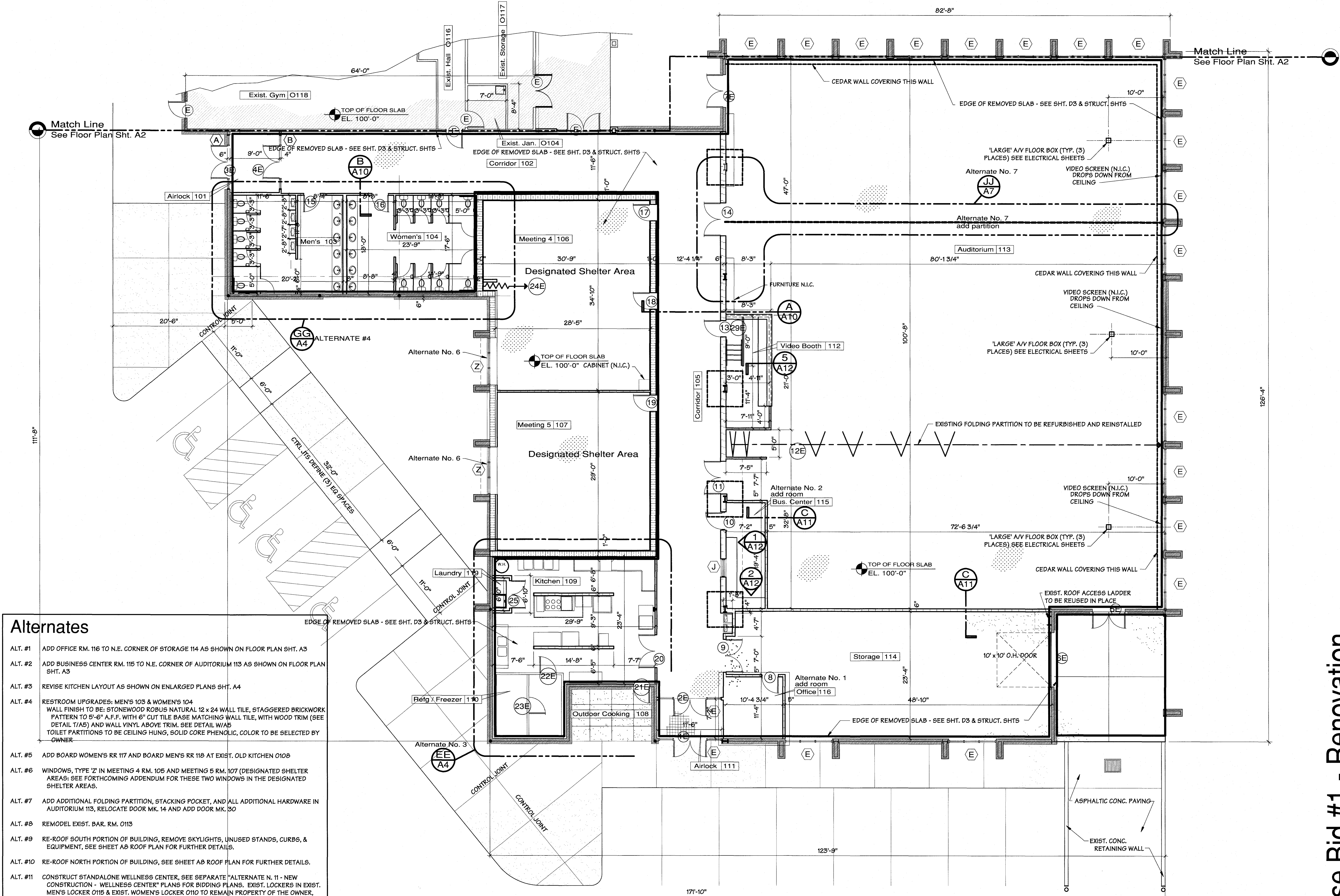
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Conference Center Renovations  
*Leggett & Platt*  
INCORPORATED  
#1 Leggett Road Carthage, MO

|                          |                         |
|--------------------------|-------------------------|
| Drawn By<br>CJT          | Checked By              |
| Date<br>January 06, 2016 | Scale<br>1/8" = 1'-0"   |
| Job Number<br>1627       | Floor Plan<br>North End |
| A3                       |                         |
| Base Bid 1 Renovation    |                         |



- Alternates

ALT. #1

ADD OFFICE RM. 116 TO N.E. CORNER OF STORAGE 114 AS SHOWN ON FLOOR PLAN SHT. A3

ALT. #2

ADD BUSINESS CENTER RM. 115 TO N.E. CORNER OF AUDITORIUM 113 AS SHOWN ON FLOOR PLAN SHT. A3

ALT. #3

REVISE KITCHEN LAYOUT AS SHOWN ON ENLARGED PLANS SHT. A4

ALT. #4

RESTROOM UPGRADES: MEN'S 103 & WOMEN'S 104  
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TOILET PARTITIONS TO BE CEILING HUNG, SOLID CORE PHENOLIC, COLOR TO BE SELECTED BY OWNER

ALT. #5

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ALT. #6

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ALT. #7

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ALT. #8

REMODEL EXIST. BAR RM. 0113

ALT. #9

RE-ROOF SOUTH PORTION OF BUILDING, REMOVE SKYLIGHTS, UNUSED STANDS, CURBS, & EQUIPMENT, SEE SHEET A8 ROOF PLAN FOR FURTHER DETAILS.

ALT. #10

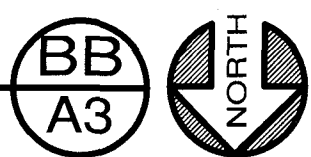
RE-ROOF NORTH PORTION OF BUILDING, SEE SHEET A8 ROOF PLAN FOR FURTHER DETAILS.

ALT. #11

CONSTRUCT STANDALONE WELLNESS CENTER, SEE SEPARATE "ALTERNATE N. 11 - NEW CONSTRUCTION - WELLNESS CENTER" PLANS FOR BIDDING PLANS. EXIST. LOCKERS IN EXIST. MEN'S LOCKER 0115 & EXIST. WOMEN'S LOCKER 0110 TO REMAIN PROPERTY OF THE OWNER, DEMOLISH EXIST. MEN'S LOCKER 0116, EXIST. WOMEN'S LOCKER 0110, EXIST. GYM 0118 ADD DOOR MK 31 AND ASSOCIATED STOREFRONT UNIT

Floor Plan - North End with Alternates 1, 2, 3, & 4 shown  
SCALE: 1/8" = 1'-0"

See Full Floor Plan Sht. A1 for Notes/Legends  
See JJ/A7 for Alternate No. 7 details



Base Bid #1 - Renovation



BASE BID  
**Enlarged Plan** of Bar 0013 - Base Bid  
SCALE: 1/4" = 1'-0"



ALTERNATE NO. 8  
**Enlarged Plan of Bar O013 - Alt. No. 8**  
SCALE: 1/4" = 1'-0"

1 1/2" MTL. HAT CHANNELS @ 16" o.c. w/ FRP OVER 5/8" GPDW ON FACE EXIST. BLOCK WALL

EXIST. W.H.

Laundry 119

D 25

3'-11" W

6'-10"

6'-0"

3'-4"

3'-0"

24"

K4 Warmer

30"

K3

96"

Double Sink

STAINLESS STEEL CLOSURE TRIM @ COOLER

22 E

Exist. Walk-in 110

K2 EXIST. Walk-in Cooler/Freezer

23 E

12'-3"

13'-6"

25'-9"

REMOVE EXIST. GREASE TRAP - SEE PLUMB. PLANS FOR RELOCATION, PATCH AND REPAIR FLOOR AS REQ'd

K18 Fryer 34" 16"

K15

K17 HOOD 48" x 108"

45"

Kitchen 109

K10 Work Table w/ rack over

36"

30"

36"

K9 Cabinet

18"

K12 Convection Oven

40"

36"

K9 Cabinet

36"

54"

LINE OF CUT FLOOR SLAB

6'-5"

Shelving

Shelving

Shelving

21 E

57'-1/2"

25'-1/2"

D.W. 32"

30" OK7 Dishwashing Station w/ Disposer

Dish Line 96"

30"

Coffee

K8 Ice Machine

74"

30"

20

BASE BID  
**Enlarged Plan of Kitchen Rm. 109 - Base Bid**  
SCALE: 1/4" = 1'-0"



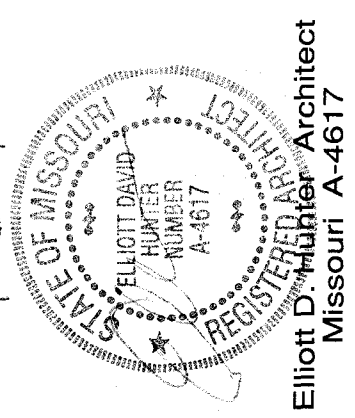
# Base Bid #1 - Renovation

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**Hunter & Millard**  
ARCHITECTS, INC.  
323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884  
asey@hunterandmillard.com  
*website:*  
hunterandmillard.com  
*check us out on Facebook:*  
Hunter & Millard Architects, Inc.

**Hunter & Millard**  
ARCHITECTS, INC.

Missouri Certificate of Authority: A-2008008317



Conference Center Renovations  
*Leggett & Platt*  
INCORPORATED  
#1 Leggett Road Carthage, MO

*Leggett & Platt*  
INCORPORATED

Drawn By  
**JWA**  
 Checked By  
  
 Date  
**January 06, 2017**  
 Scale  
**1/4" = 1'-0"**  
 Job Number  
**1627**  
 Kitchen &  
 Bar Floor Plans  
**A4**  
 Base Bid 1 Renovation



|                   |         |
|-------------------|---------|
| Revisions         | By      |
|                   |         |
|                   |         |
|                   |         |
|                   |         |
|                   |         |
| Last Modification |         |
| DATE              | INT'L'S |

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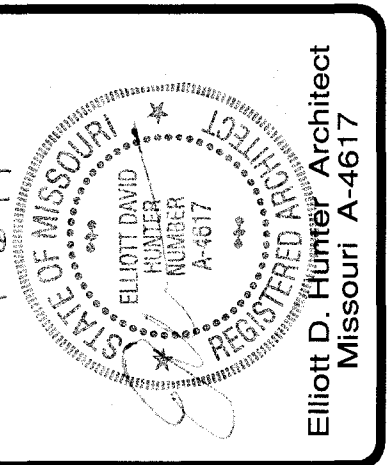
3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884

casey@hunterandmillard.com

*website:*  
hunterandmillard.com

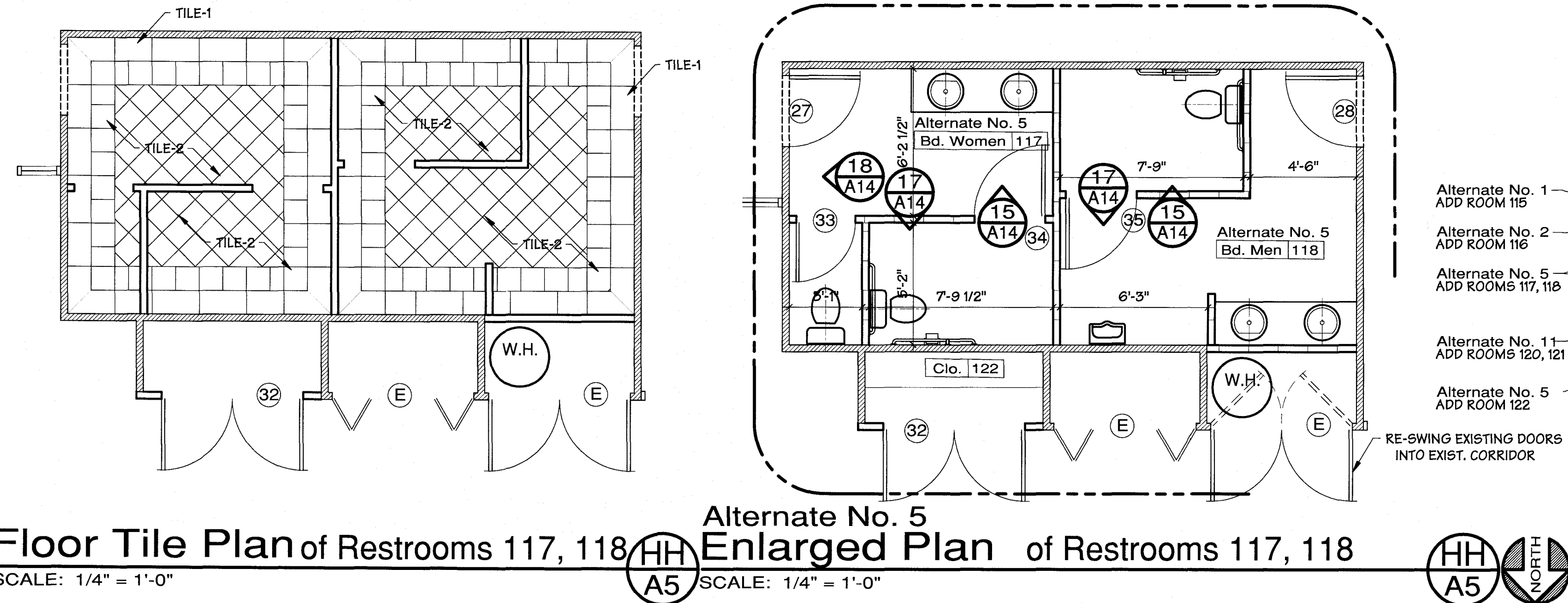
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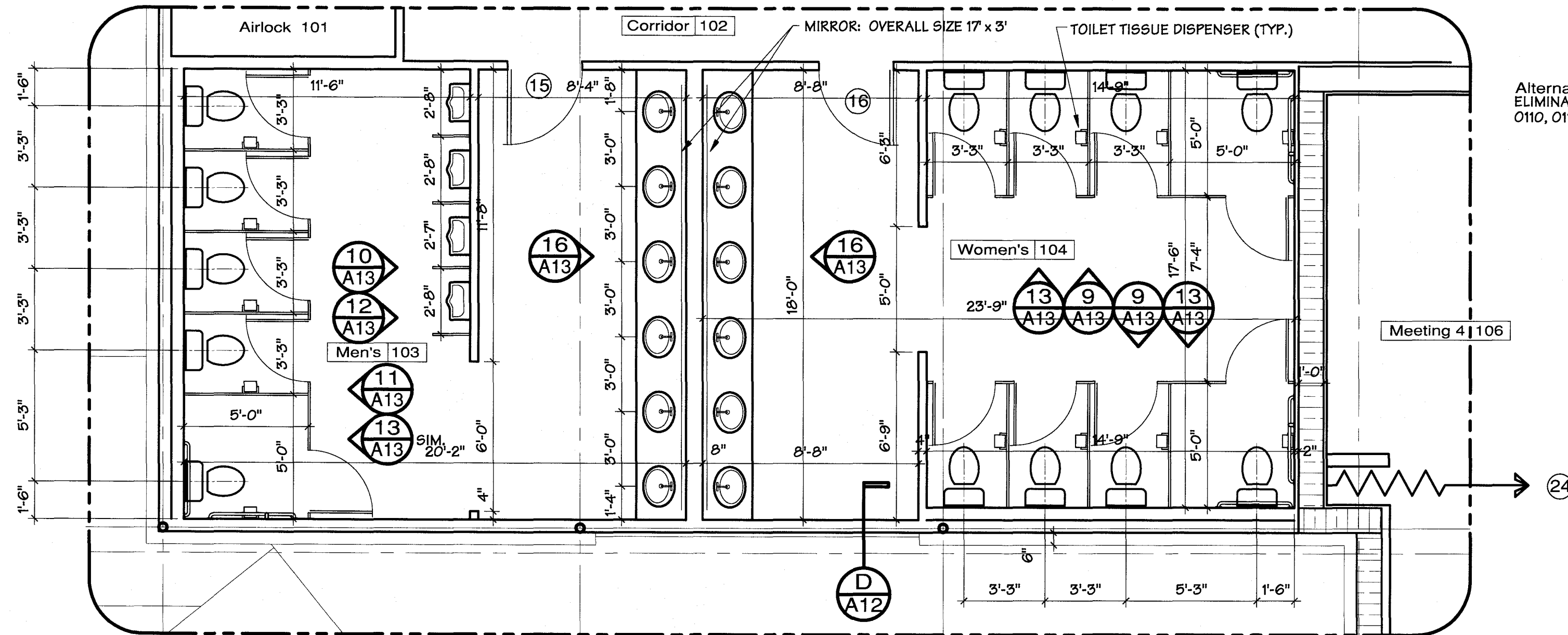
Conference Center Renovations  
*Leggett & Platt*  
INCORPORATED  
#1 Leggett Road Carthage, MO

|                                 |
|---------------------------------|
| Drawn By<br><b>CJT</b>          |
| Checked By                      |
| Date<br><b>January 06, 2017</b> |
| Scale<br><b>1/16" = 1'-0"</b>   |
| Job Number<br><b>1627</b>       |
| Room Finish<br><b>A5</b>        |
| Base Bid 1 Renovations          |

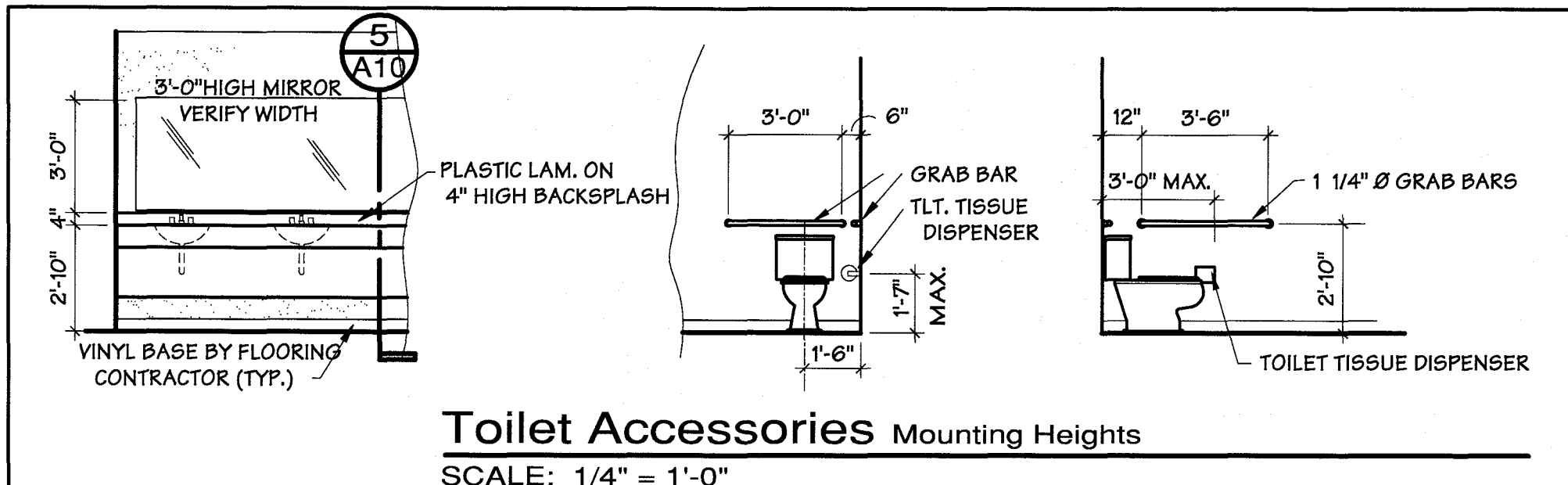
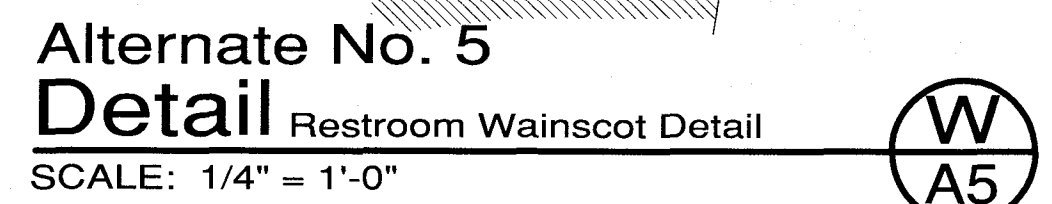
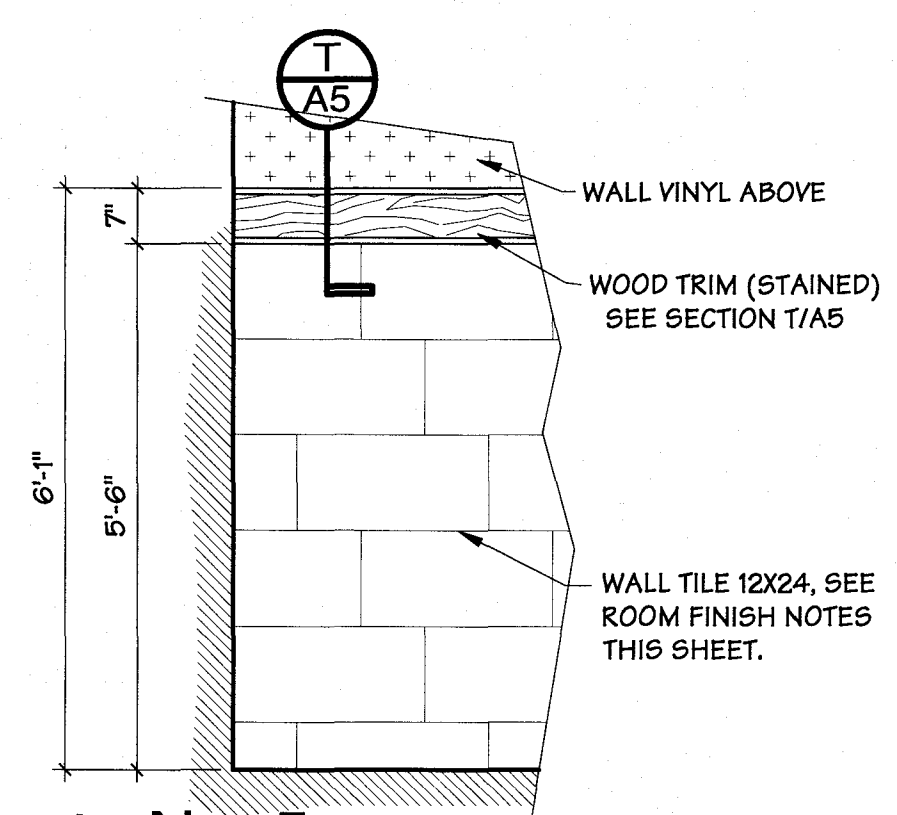
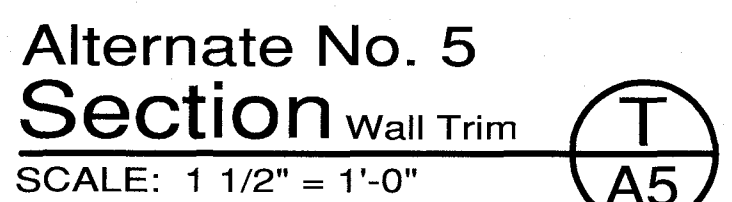
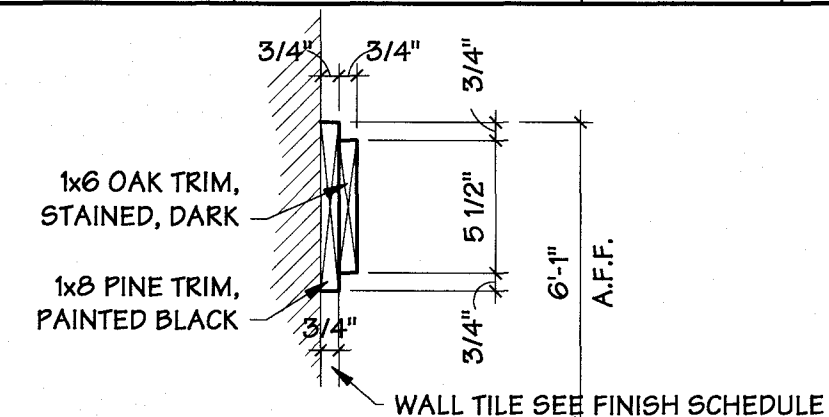


| Room Finish Schedule   |                           |                            |                     |  |                         |                |             |
|--|---------------------------|----------------------------|---------------------|--|-------------------------|----------------|-------------|
| North Building - NOTE: ALTERNATES # 5, 8, & 11 AFFECT ROOMS IN EXIST. SOUTH BUILDING |                           |                            |                     |  |                         |                |             |
| Mk.  | Room Name                 | Flooring                   | Base                | Walls  | Ceiling                 | Ceiling Height | Other Notes |
| 101  | AIRLOCK                   | CERAMIC TILE 1             | CERAMIC BASE        | WALL VINYL over 5/8" F.C. GPDW, EXIST STOREFRONT | PAINTED GYP BD.         | 10'-0"         |             |
| 102  | CORRIDOR                  | CARPET-1                   | 4" VINYL BASE       | WALL VINYL over 5/8" F.C. GPDW                   | GLACIER 2' X 2' TEGULAR | 10'-0"         |             |
| 103  | MEN'S RESTROOM            | TILE-1/TILE-2 (SIM. HH/A5) | CERAMIC BASE        | CERAMIC TILE                                     | VINYL FACE 2' X 2'      | 9'-0"          |             |
| 103*   | MEN'S RESTROOM            | TILE-1/TILE-2 (SIM. HH/A5) | TILE BASE           | WALL TILE-1 WITH WALL VINYL ABOVE (SEE W/A5)     | VINYL FACE 2' X 2'      | 9'-0"          |             |
| 104  | WOMEN'S RESTROOM          | TILE-1/TILE-2 (SIM. HH/A5) | CERAMIC BASE        | CERAMIC TILE                                     | VINYL FACE 2' X 2'      | 9'-0"          |             |
| 104*   | WOMEN'S RESTROOM          | TILE-1/TILE-2 (SIM. HH/A5) | TILE BASE           | WALL TILE-1 WITH WALL VINYL ABOVE (SEE W/A5)     | VINYL FACE 2' X 2'      | 9'-0"          |             |
| 105  | CORRIDOR                  | CARPET-1                   | 4" VINYL BASE       | WALL VINYL over 5/8" F.C. GPDW                   | GLACIER 2' X 2' TEGULAR | 10'-0"         |             |
| 106  | MEETING 4                 | CARPET-1                   | 4" VINYL BASE       | WALL VINYL over 5/8" F.C. GPDW                   | GLACIER 2' X 2' TEGULAR | 9'-0"          |             |
| 107  | MEETING 5                 | CARPET-1                   | 4" VINYL BASE       | WALL VINYL over 5/8" F.C. GPDW                   | GLACIER 2' X 2' TEGULAR | 9'-0"          |             |
| 108  | OUTDOOR COOKING           | EXISTING                   | EXISTING            | EXISTING   | EXISTING                | 9'-0"          |             |
| 109  | KITCHEN                   | CERAMIC TILE 2             | 4" VINYL BASE       | FRP over 5/8" F.C. GPDW                          | VINYL FACE 2' X 2'      | 9'-0"          |             |
| 110  | REFG/FREEZER              | PREFABRICATED UNIT         |                     |  |                         |                |             |
| 111  | AIRLOCK                   | CERAMIC TILE 1             | CERAMIC BASE        | WALL VINYL over 5/8" F.C. GPDW                   | PAINTED GYP. BD.        | 10'-0"         |             |
| 112  | VIDEO BOOTH               | CARPET-1                   | 4" VINYL BASE       | WALL VINYL over 5/8" F.C. GPDW                   | GLACIER 2' X 2' TEGULAR | 14'-0"         |             |
| 113  | AUDITORIUM                | CARPET-1                   | 4" VINYL BASE/CEDAR | WALL VINYL over 5/8" F.C. GPDW,/CEDAR            | GLACIER 2' X 2' TEGULAR | 14'-0"         |             |
| 114  | STORAGE                   | SEALED CONCRETE            | 4" VINYL BASE       | PAINTED 5/8" F.C. GPDW                           | EXPOSED STRUCTURE       | VARIES         |             |
| 115*   | BUSINESS CENTER           | CARPET-1                   | 4" VINYL BASE       | WALL VINYL over 5/8" F.C. GPDW                   | GLACIER 2' X 2' TEGULAR | 9'-0"          |             |
| 116*   | OFFICE                    | CARPET-1                   | 4" VINYL BASE       | WALL VINYL over 5/8" F.C. GPDW                   | GLACIER 2' X 2' TEGULAR | 9'-0"          |             |
| 117*   | BOARD RM. WOMENS RR       | TILE-1/TILE-2 (SEE HH/A5)  | TILE BASE           | WALL TILE-1 WITH WALL VINYL ABOVE (SEE W/A5)     | VINYL FACE 2' X 2'      | 9'-0"          |             |
| 118*   | BOARD RM. MENS RR         | TILE-1/TILE-2 (SEE HH/A5)  | TILE BASE           | WALL TILE-1 WITH WALL VINYL ABOVE (SEE W/A5)     | VINYL FACE 2' X 2'      | 9'-0"          |             |
| 119  | LAUNDRY                   | CERAMIC TILE 2             | 4" VINYL BASE       | FRP over 5/8" F.C. GPDW                          | VINYL FACE 2' X 2'      | 9'-0"          |             |
| 120*   | FUTURE INVESTOR RELATIONS | CARPET-1                   | 4" VINYL BASE       | WALL VINYL over 5/8" F.C. GPDW                   | GLACIER 2' X 2' TEGULAR | 9'-0"          |             |
| 121*   | FUTURE INVESTOR RELATIONS | CARPET-1                   | 4" VINYL BASE       | WALL VINYL over 5/8" F.C. GPDW                   | GLACIER 2' X 2' TEGULAR | 9'-0"          |             |
| 122*   | CLOSET                    | CARPET-1                   | 4" VINYL BASE       | WALL VINYL over 5/8" F.C. GPDW                   | GLACIER 2' X 2' TEGULAR | 9'-0"          |             |

| Existing South Building |                          |                |                   |                                   |                         |               |
|-------------------------|--------------------------|----------------|-------------------|-----------------------------------|-------------------------|---------------|
| 0101                    | EXIST. CORRIDOR          | EXIST. CARPET  | EXIST. VINYL BASE | EXIST. WALL VINYL REMAINS         | GLACIER 2' X 2' TEGULAR | EXIST. 10'-0" |
| 0102                    | EXIST. HALL              | EXIST. CARPET  | EXIST. VINYL BASE | EXIST. WALL VINYL REMAINS         | GLACIER 2' X 2' TEGULAR | EXIST. 10'-0" |
| 0103                    | EXIST. BOARD ROOM        | EXIST. CARPET  | EXIST. VINYL BASE | EXIST. WALL VINYL REMAINS         | GLACIER 2' X 2' TEGULAR | EXIST. 10'-0" |
| 0104                    | EXIST. JANITOR           | EXIST. TILE    | EXIST. VINYL BASE | EXIST. PAINTED WALL REMAINS       | GLACIER 2' X 2' TEGULAR | EXISTING      |
| 0105                    | EXIST. STORAGE           | EXIST. CARPET  | EXIST. VINYL BASE | EXIST. PAINTED WALL REMAINS       | EXIST. GLACIER 2' X 2'  | EXIST. 8'-0"  |
| 0106                    | EXIST. MEETING 1         | EXIST. CARPET  | EXIST. VINYL BASE | EXIST. WALL VINYL REMAINS         | GLACIER 2' X 2' TEGULAR | EXIST. 14'-0" |
| 0107                    | EXIST. MEETING 2         | EXIST. CARPET  | EXIST. VINYL BASE | EXIST. WALL VINYL REMAINS         | GLACIER 2' X 2' TEGULAR | EXIST. 9'-0"  |
| 0108*                   | EXIST. OLD KITCHEN       | EXIST. REMAINS | EXIST. VINYL BASE | EXIST. REMAINS                    | GLACIER 2' X 2' TEGULAR | EXISTING      |
| 0109                    | EXIST. HALL              | EXIST. REMAINS | EXIST. VINYL BASE | EXIST. REMAINS                    | GLACIER 2' X 2' TEGULAR | EXISTING      |
| 0110*                   | EXIST. WOMEN'S LOCKER    | EXIST. REMAINS | EXIST. REMAINS    | EXIST. REMAINS                    | GLACIER 2' X 2' TEGULAR | EXISTING      |
| 0111                    | EXIST. KITCHEN           | EXIST. TILE    | EXIST. VINYL BASE | EXIST. WALL VINYL & CEDAR REMAINS | GLACIER 2' X 2' TEGULAR | EXIST. 9'-0"  |
| 0112                    | EXIST. HALL              | EXIST. REMAINS | EXIST. REMAINS    | EXIST. REMAINS                    | GLACIER 2' X 2' TEGULAR | EXISTING      |
| 0113                    | EXIST. BAR               | EXIST. REMAINS | EXIST. REMAINS    | EXIST. REMAINS                    | GLACIER 2' X 2' TEGULAR | EXISTING      |
| 0114                    | EXIST. PANTRY            | EXIST. REMAINS | EXIST. REMAINS    | EXIST. REMAINS                    | GLACIER 2' X 2' TEGULAR | EXISTING      |
| 0115*                   | EXIST. MEN'S LOCKER ROOM | EXIST. REMAINS | EXIST. REMAINS    | EXIST. REMAINS                    | GLACIER 2' X 2' TEGULAR | EXISTING      |
| 0116                    | EXIST. HALL              | EXIST. REMAINS | EXIST. VINYL BASE | EXIST. WALL VINYL REMAINS         | GLACIER 2' X 2' TEGULAR | EXISTING      |
| 0117                    | EXIST. STORAGE           | EXIST. REMAINS | EXIST. VINYL BASE | EXIST. PAINTED WALL REMAINS       | GLACIER 2' X 2' TEGULAR | EXISTING      |
| 0118*                   | EXIST. GYM               | EXIST. REMAINS | EXIST. VINYL BASE | EXIST. WALL VINYL REMAINS         | GLACIER 2' X 2' TEGULAR | EXISTING      |



|  |
|--|
| <b>Room Finish Sch. Notes</b>  |
| <b>Floor Covering</b>  |
| CARPET-1: INTERFACE HN820, COLOR: 104234 SHALE, COLLECTION: HUMAN NATURE   |
| CERAMIC TILE 1: 4"x4" CERAMIC FLOOR TILE W/GRIT, TAN COLOR, VERIFY STYLE AND COLOR WITH OWNER  |
| CERAMIC TILE 2: 4"x4" CERAMIC FLOOR TILE TAN COLOR, VERIFY STYLE AND COLOR WITH OWNER  |
| SEALED CONCRETE:   |
| TILE-1 HF KALEIDIO - NERO 12X24  |
| TILE-2 CENERE 12X12 LIGHT, DIAMOND PATTERN   |
| <b>Wall Base</b>   |
| 4" VINYL BASE: 4" HIGH, VINYL COVE BASE, VERIFY COLOR W/ OWNER   |
| CERAMIC BASE: 4"x4" CERAMIC TILE WALL BASE TO MATCH FLOOR TILE   |
| TILE BASE: 6" CUT TILE BASE, TILE TO BE WALL TILE-1  |
| CEDAR: CEDAR BASE, MATCHING CEDAR WALL COVERING  |
| <b>Wall Finish</b>   |
| FRP OVER 5/8" F.C. GPDW  |
| CEDAR: T & G CEDAR FINISH, @ 45° ANGLE, MATCH REMOVED EXIST.   |
| WALL TILE-1: WALL FINISH TO BE: STONEWOOD ROBUS NATURAL 12 x 24 WALL TILE, STAGGERED BRICKWORK PATTERN TO 5'-6" A.F.F. WITH 6" CUT TILE BASE MATCHING WALL TILE, WITH WALL TRIM (SEE DETAIL T/A5) AND WALL VINYL ABOVE TRIM. SEE DETAIL W/A5 |
| VINYL: OWNER SUPPLIED WALL VINYL OVER 5/8" FC GPDW, ADHESIVE TO BE ROMAN PRO 880 ULTRA CLEAR WALL PAPER ADHESIVE (NO SUBSTITUTIONS ALLOWED FOR WALL VINYL ADHESIVE)  |
| CERAMIC TILE: 4"x4" CERAMIC WALL TILE TAN COLOR TO 4'-0" A.F.F. WITH 3" TILE BULLNOSE W/ WALL VINYL ABOVE BULLNOSE. VERIFY TILE STYLE AND COLOR WITH OWNER   |
| <b>Ceiling</b>   |
| GLACIER 2' X 2' REGULAR ACOUST. CEILING TILE   |
| VINYL FACE 2' X 2' SQUARE EDGE CEILING TILE  |



| Toilet Accessories      |  |
|-------------------------|--|
| TOILET TISSUE DISPENSER | SINGLE ROLL; STAINLESS STEEL; SATIN FINISH, EQUAL TO BOBRICK     |
| MIRRORS                 | 1/4" THICK; SEAMING EDGE or FRAME<br>24" x 36", ONE AT EACH SINK |
| PAPER TOWEL DISPENSERS  | BOBRICK B-262 OR EQUAL, STAINLESS STEEL, CAPACITY: 400 C-FOLD.   |
| SOAP DISPENSERS         | BOBRICK SURFACE MOUNTED SOAP DISPENSER B-40 OR EQUAL             |
| WASTE RECEPTACLES       | NOT IN CONTRACT  |
|                         |  |

**Toilet Partitions Notes**

Base Bid: REINSTALL EXISTING TOILET PARTITIONS.

Alternate No. 4:

1. OVERHEAD BRACED, PHENOLIC TOILET PARTITIONS.
2. COLOR SHALL BE SELECTED BY ARCHITECT.
3. VERIFY THAT H.C. ACCESSIBLE STALLS MEET CURRENT ADA REQUIREMENTS.

# Base Bid #1 - Renovation



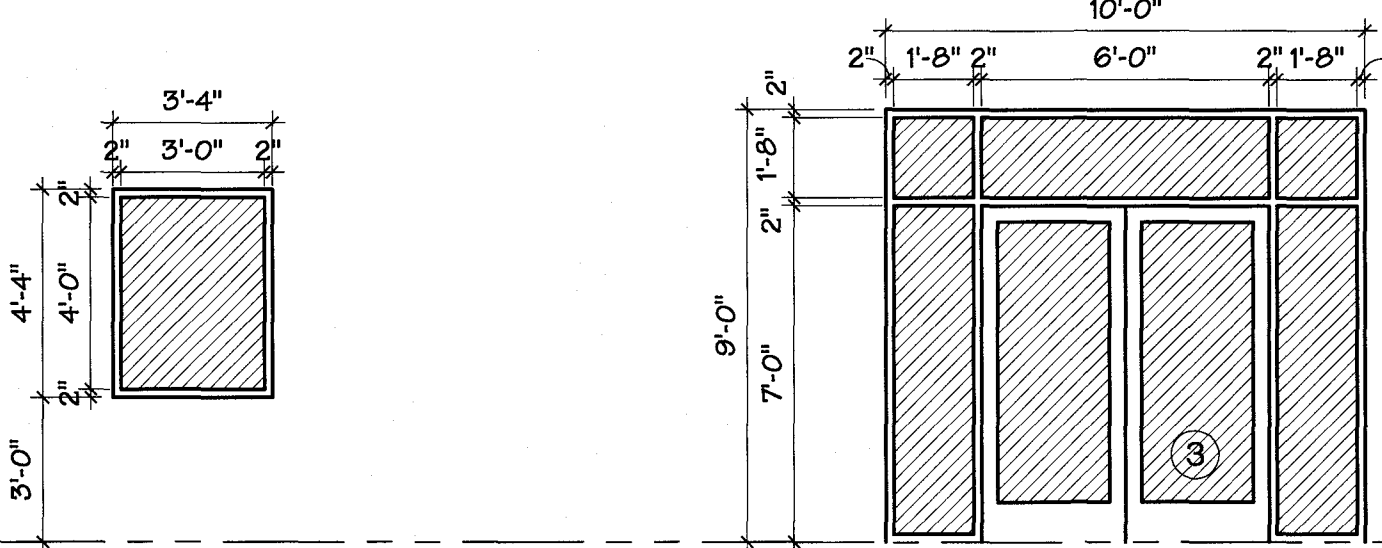
Doors, Frames, & Hardware Schedule Notes

|  |  |
|--|--|
| DOORS                                    |  |
| ALUM.-1                                  | ALUMINUM ENTRANCE DOOR(S): MEDIUM STILE, SERIES D300 EFCO ENTRANCE DOOR, OR APPROVED.                                      |
| H. MTL.-1                                | EXTERIOR DOOR: INSULATED HOLLOW METAL DOOR & FRAME.  |
| SC. WD.                                  | SOLID CORE WOOD DOOR; PLAIN SLICE RED OAK; PREMIUM GRADE.  |
| OH-1                                     | OVER HEAD DOOR,  |
| FEMA                                     | FEMA 361 SAFE ROOM DOOR ASSEMBLY - WITH PLASTIC LAMINATE VENEER TO MATCH STAINED WOOD DOORS                                |
| FRAMES                                   |  |
| HMF-1                                    | HOLLOW METAL DOOR FRAME; PAINT FRAME.  |
| ALUM.-1                                  | 2" X 4 1/2" EXTRUDED ALUMINUM TUBE FRAME   |
| GLASS                                    |  |
| VG-1                                     | VISION GLASS, TEMPERED CLEAR, THICKNESS VARIES   |
| HARDWARE                                 |  |
| A,H-1                                    | ALL HARDWARE FURNISHED AND INSTALLED BY DOOR SUPPLIER  |
| H-1                                      | HINGES; HAGER #1279; 4 1/2" x 4 1/2"; DULL CHROME FINISH   |
| H-2                                      | HINGES, BALL BEARING; HAGER #BB1279; 4 1/2" x 4 1/2"; DULL CHROME FINISH.  |
| H-3                                      | WEATHERSTRIPPING, THRESHOLD (ADA APPROVED), FLOOR SWEEP BY NATIONAL GUARD  |
| LOCK-1                                   | LOCK; SCHLAGE AL53PD, SATURN, 626 FINISH   |
| PASSAGE                                  | SCHLAGE AL10S, SATURN, 626 FINISH  |
| PRIVACY                                  | SCHLAGE AL40S, SATURN, 626 FINISH  |
| CYL.-1                                   | FURNISHED BY HARDWARE SUPPLIER, COORDINATE W/ ALUM.DOOR SUPPLIER   |
| P/P-1                                    | PUSH PLATE: ROCKWOOD #70; 4" x 16" w/ ROUNDED CORNERS  |
| PANIC-1                                  | (EXTERIOR DOOR): VON DUPRIN EXIT DEVICE 99 L 626, SEE SCHEDULE FOR DOOR WIDTHS.  |
| PANIC-2                                  | EXIT DEVICE (INTERIOR DOOR) VON DUPRIN EXIT DEVICE 99 SERIES; 992L-BE (LEVER ALWAYS ACTIVE). (KEYED LEVER AT DOOR 29 ONLY) |
| CLOSER-1                                 | (EXTERIOR): NORTON CLP8501 BFXAL BARRIER FREE OPERATION.   |
| CLOSER-2                                 | (INTERIOR): NORTON 8501 BFXAL BARRIER FREE OPERATION.  |
| CLOSER-3                                 | (INTERIOR): NORTON 8501 BFXAL BARRIER FREE OPERATION W/ HOLD OPEN  |
| STOP                                     | WALL STOP: QUALITY #302 ALUMINUM; FLOOR AS REQUIRED - #331 ALUMINUM.   |
| EXT.-1                                   | EXTERIOR HOLLOW METAL DOOR: THRESHOLD: NATIONAL GUARD 425E x OPENING WIDTH.  |
|  | WEATHER-STRIP NATIONAL GUARD 160 @ HEAD & JAMB DOOR SWEEP: NATIONAL GUARD 200 NA x DOOR WIDTH                              |
| EXT.-2                                   | INTERIOR SOLID CORE WOOD DOOR: THRESHOLD: NATIONAL GUARD 425E x OPENING WIDTH.   |
|  | WEATHER-STRIP NATIONAL GUARD 160 @ HEAD & JAMB DOOR SWEEP: NATIONAL GUARD 200 NA x DOOR WIDTH                              |
| ASTR-1                                   | METAL OVERLAPPING ASTRAGAL FURNISHED WITH 2 HR. RATED FIRE DOORS, MOUNT 7 FT PIECE OF GASKETING ON INSIDE OF ASTRAGAL      |
| CO-ORD-1                                 |  |
| KP-1                                     |  |
| ROCKWOOD 1672 X AB BRACKETS, PROVIDED    |  |
| KICKPLATE, K1050, 10" X 2" LDW, ROCKWOOD |  |

Doors, Frames, & Hardware Schedule

| Doors |      |  |                                    |   |                                  |         |           | Frames |   |                                |                                   | Hardware       |        |                                       |                           |                      |        |      |                      |
|-------|------|--|------------------------------------|---|----------------------------------|---------|-----------|--------|---|--------------------------------|-----------------------------------|----------------|--------|---------------------------------------|---------------------------|----------------------|--------|------|----------------------|
| Mk.   | Room | Width  | Ht.                                | Thick.  | Material                         | Glazing | Elevation | Mk.    | Material  | Wall Thick.                    | Jamb Detail                       | Rated Assembly | Dr.    | # of Butts                            | Butt Type                 | Lock                 | Closer | Stop | Other                |
| 1E    | 111  | EXIST.   | ALUM.                              | STOREFRONT DOORS REMAIN IN PLACE                              |                                  |         |           | 1E     | EXIST.  | ALUM.                          | STOREFRONT FRAME REMAINS IN PLACE |                | 1E     | EXIST.                                | ALUM.                     | ENTRY DOORS HARDWARE |        |      |                      |
| 2E    | 105  | EXIST.   | ALUM.                              | STOREFRONT DOOR ASSEMBLY REMOVED & REINSTALLED AFTER NEW SLAB |                                  |         |           | 2E     | RE-INSTALL  | ALUM.                          | STOREFRONT FRAME IN SAME LOCATION |                | 2E     | EXIST.                                | ALUM.                     | ENTRY DOORS HARDWARE |        |      |                      |
| 3E    | 101  | EXIST.   | ALUM.                              | STOREFRONT DOORS REMAIN IN PLACE                              |                                  |         |           | 3E     | EXIST.  | ALUM.                          | STOREFRONT FRAME REMAINS IN PLACE |                | 3E     | EXIST.                                | ALUM.                     | ENTRY DOORS HARDWARE |        |      |                      |
| 4E    | 102  | EXIST.   | ALUM.                              | STOREFRONT DOOR ASSEMBLY REMOVED & REINSTALLED AFTER NEW SLAB |                                  |         |           | 4E     | RE-INSTALL  | ALUM.                          | STOREFRONT FRAME IN SAME LOCATION |                | 4E     | EXIST.                                | ALUM.                     | ENTRY DOORS HARDWARE |        |      |                      |
| 5E    | 113  | EXIST.   | HOLLOW METAL DOORS REMAIN IN PLACE |   |                                  |         |           | 5E     | EXIST.  | H.M.                           | DOOR FRAME REMAINS IN PLACE       |                | 5E     | EXIST.                                | DOOR HARDWARE REMAINS     |                      |        |      |                      |
| 6E    | 114  | EXIST.   | OVERHEAD DOOR REMAINS IN PLACE     |   |                                  |         |           | 6E     | EXIST.  | OVERHEAD DOOR REMAINS IN PLACE |                                   | 6E             | EXIST. | OVERHEAD DOOR REMAINS IN PLACE        |                           |                      |        |      |                      |
| 7E    | 113  | EXIST.   | ALUM.                              | STOREFRONT DOORS REMAIN IN PLACE                              |                                  |         |           | 7E     | EXIST.  | ALUM.                          | STOREFRONT FRAME REMAINS IN PLACE |                | 7E     | EXIST.                                | ALUM.                     | ENTRY DOORS HARDWARE |        |      |                      |
| 8*    | 116  | 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | 1/4"    | M         | 8*     | HMF-1   | 4 7/8"                         | ----                              | ----           | 8*     | 1.5 PAIR                              | H-1                       | LOCK-1               | ---    | STOP | ALT. #1              |
| 9     | 114  | PR. 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | ----    | C         | 9      | HMF-1   | VERIFY                         | ----                              | ----           | 9      | 3 PAIR                                | H-2                       | LOCK-1               | YES    | STOP | FLUSH BOLTS          |
| 10*   | 115  | 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | 1/4"    | N         | 10*    | HMF-1   | VERIFY                         | ----                              | ----           | 10*    | 1.5 PAIR                              | H-2                       | LOCK-1               | YES    | STOP | ALT. #2              |
| 11    | 113  | PR. 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | 1/4"    | A         | 11     | HMF-1   | VERIFY                         | ----                              | ----           | 11     | 3 PAIR                                | H-2                       | PANIC                | YES    | STOP |                      |
| 12E   | 113  | EXISTING FOLDING PARTITION TO BE REMOVED, REFURBISHED, RE-INSTALLED                            |                                    |   |                                  |         |           | 12E    | EXISTING FOLDING PARTITION TO BE REMOVED, REFURBISHED, RE-INSTALLED |                                |                                   |                |        |                                       |                           |                      |        |      |                      |
| 13    | 112  | 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | ----    | B         | 13     | HMF-1   | VERIFY                         | ----                              | ----           | 13     | 1.5 PAIR                              | H-2                       | LOCK-1               | YES    | STOP |                      |
| 14    | 113  | PR. 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | 1/4"    | A         | 14     | HMF-1   | VERIFY                         | ----                              | ----           | 14     | 3 PAIR                                | H-2                       | PANIC                | YES    | STOP |                      |
| 15    | 103  | 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | ----    | B         | 15     | HMF-1   | 4 7/8"                         | ----                              | ----           | 15     | 1.5 PAIR                              | H-2                       | PUSH/PULL LATCH      | YES    | STOP |                      |
| 16    | 104  | 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | ----    | B         | 16     | HMF-1   | 4 7/8"                         | ----                              | ----           | 16     | 1.5 PAIR                              | H-2                       | PUSH/PULL LATCH      | YES    | STOP |                      |
| 17    | 106  | 3'-0"  | 7'-0"                              | 1.75"   | FEMA DOOR                        | ----    | 9IM. H    | 17     | FEMA FRAME  | SAFE WALL                      | ----                              | ----           | 17     | FEMA                                  |                           |                      |        | STOP |                      |
| 18    | 106  | 3'-0"  | 7'-0"                              | 1.75"   | FEMA DOOR                        | ----    | B         | 18     | FEMA FRAME  | SAFE WALL                      |                                   |                | 18     | FEMA                                  |                           |                      |        | STOP |                      |
| 19    | 107  | 3'-0"  | 7'-0"                              | 1.75"   | FEMA DOOR                        | ----    | B         | 19     | FEMA FRAME  | SAFE WALL                      | ----                              | ----           | 19     | FEMA                                  |                           |                      |        | STOP |                      |
| 20    | 109  | PR. 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | 1/4"    | A         | 20     | HMF-1   | 4 7/8"                         | ----                              | ----           | 20     | 3 PAIR                                | H-2                       | LOCK-1               | YES    | STOP | FLUSH BOLTS          |
| 21E   | 109  | EXIST.   | HOLLOW METAL DOORS REMAIN IN PLACE |   |                                  |         |           | 21E    | EXIST.  | H.M.                           | DOOR FRAME REMAINS IN PLACE       |                | 21E    | EXIST.                                | DOOR HARDWARE REMAINS     |                      |        |      |                      |
| 22E   | 110  | EXIST.   | WALK-IN DOOR PART OF UNIT          |   |                                  |         |           | 22E    | EXIST.  | WALK-IN DOOR PART OF UNIT      |                                   |                | 22E    | EXIST.                                | WALK-IN DOOR PART OF UNIT |                      |        |      |                      |
| 23E   | 110  | EXIST.   | WALK-IN DOOR PART OF UNIT          |   |                                  |         |           | 23E    | EXIST.  | WALK-IN DOOR PART OF UNIT      |                                   |                | 23E    | EXIST.                                | WALK-IN DOOR PART OF UNIT |                      |        |      |                      |
| 24E   | 106  | EXIST.   | ACCORDION                          |   |                                  |         |           | 24E    | EXIST.  | ACCORDION                      |                                   |                | 24E    | EXIST.                                | ACCORDION                 |                      |        |      |                      |
| 25    | 119  | PR. 3'-0"  | 7'-0"                              | 1.75"   |                                  | ----    | C         | 25     | HMF-1   | 4 7/8"                         | ----                              | ----           | 25     | 3 PAIR                                | H-1                       | PASSAGE              | ---    | STOP | FLUSH BOLTS          |
| 26*   | 113  | NEW FOLDING PARTITION, FIELD VERIFY MEASUREMENTS, MATCH EXISTING FOLDING PARTITION DOOR MK 12E |                                    |   |                                  |         |           |        |   |                                |                                   |                |        |                                       |                           |                      |        |      | ALT. #7              |
| 27*   | 117  | 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | ----    | B         | 27*    | HMF-1   | FIELD VERIFY                   | ----                              | ----           | 27*    | 1.5 PAIR                              | H-2                       | PUSH/PULL LATCH      | YES    | STOP | ALT. #5              |
| 28*   | 118  | 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | ----    | B         | 28*    | HMF-1   | FIELD VERIFY                   | ----                              | ----           | 28*    | 1.5 PAIR                              | H-2                       | PUSH/PULL LATCH      | YES    | STOP | ALT. #5              |
| 29    | 112  | 3'-0"  | 1'-8"                              | ----  | EXIST. ACCESS PANEL TO BE REUSED | ----    | ---       | 29     | EXIST ACCESS PANEL FRAME TO BE REUSED                               |                                |                                   |                | 29     | EXIST ACCESS PANEL FRAME TO BE REUSED |                           |                      |        |      |                      |
| 30*   | 113  | PR. 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | 1/4"    | A         | 30*    | HMF-1   | FIELD VERIFY                   | ----                              | ----           | 30*    | 3 PAIR                                | H-2                       | PANIC                | YES    | STOP | ALT. #7              |
| 31*   | 120  | PR. 3'-0"  | 7'-0"                              | 1.75"   | ALUM.-1                          | 1/4"    | D         | 31*    | ALUM.-1   | FIELD VERIFY                   | ----                              | ----           | 31*    | 3 PAIR                                | ALUM                      | ALUM P/P CYL         | YES    | ALUM | ALT. #11 FLUSH BOLTS |
| 32*   | 122  | PR. 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | ----    | C         | 32*    | HMF-1   | 4 7/8"                         | ----                              | ----           | 32*    | 3 PAIR                                | H-2                       | PASSAGE              | YES    | STOP | ALT. #5 FLUSH BOLTS  |
| 33*   | 117  | 2'-6"  | 7'-0"                              | 1.75"   | SC. WD.                          | ----    | R         | 33*    | HMF-1   | 4 7/8"                         | ----                              | ----           | 33*    | 1.5 PAIR                              | H-1                       | PRIVACY              | NO     | STOP | ALT. #5              |
| 34*   | 117  | 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | ----    | S         | 34*    | HMF-1   | 4 7/8"                         | ----                              | ----           | 34*    | 1.5 PAIR                              | H-1                       | PRIVACY              | NO     | STOP | ALT. #5              |
| 35*   | 118  | 3'-0"  | 7'-0"                              | 1.75"   | SC. WD.                          | ----    | S         | 35*    | HMF-1   | 4 7/8"                         | ----                              | ----           | 35*    | 1.5 PAIR                              | H-1                       | PRIVACY              | NO     | STOP | ALT. #5              |

Note: SEE FORTHCOMING APPENDUM FOR WINDOW TYPE Z



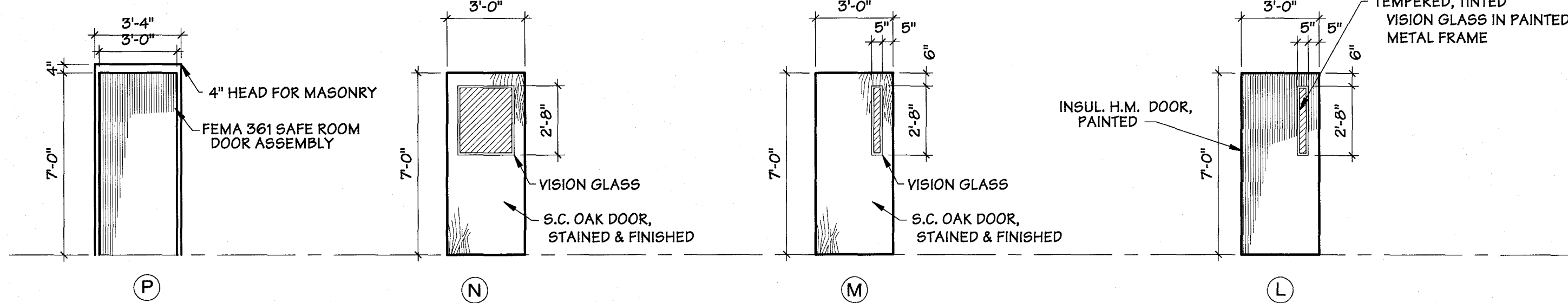
2 1/2" x 4 1/2" ALUMINUM STOREFRONT FRAMES  
1/4" INSULATED, CLEAR GLASS,  
2 1/2" x 4 1/2" ALUMINUM STOREFRONT FRAMES  
1" INSULATED, TINTED GLASS, TEMPERED WHERE REQ'D.

Note: \* - Part of Alternate

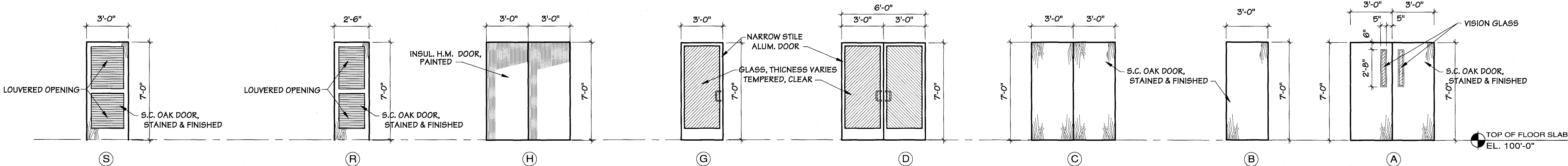
DOOR MK. (8) PART OF ALTERNATE #1  
DOOR MK. (10) PART OF ALTERNATE #2  
DOOR MK. (26) & (30) PART OF ALTERNATE #7 IF ACCEPTED DOOR MK. (14) TO BE RELOCATED PER JJ/A7  
DOOR MK. (27), (28), (32), (33), (34), & (35) PART OF ALTERNATE #5  
DOOR MK. (31) PART OF ALTERNATE #11

Window Types

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



Note: STAINED DOORS SHALL MATCH EXIST. STAIN COLOR



Door Type Elevations

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

| Revisions         | By    |
|-------------------|-------|
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**Hunter & Millard**  
ARCHITECTS, INC.  
3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 751-0884  
casey@hunterandmillard.com  
website:  
hunterandmillard.com  
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ARCHITECTS, INC.  
Missouri Certificate of Authority: A-2008008317

STATE OF MISSOURI  
Elliott D. Hunter Architect  
NUMBER A-4617  
RECEIVED  
JAN 17 2017

Conference Center Renovations  
**Leggett & Platt**  
INCORPORATED  
#1 Leggett Road Carhage, MO

Drawn By  
CJT  
Checked By  
   
Date  
January 06, 2017  
Scale  
1/4" = 1'-0"  
Job Number  
1627  
Door Schedule and Windows  
**A6**  
Base Bid 1 Renovations

Base Bid #1 - Renovation

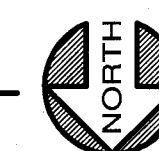
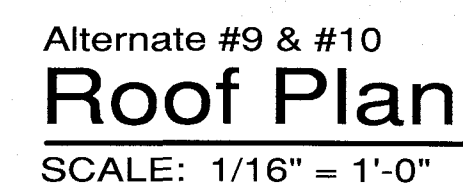




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| Drawing<br><b>CJT</b><br>Checked By  |
| Date<br><b>January 06, 2017</b>  |
| Scale<br><b>1/4" = 1'-0"</b>   |
| Job Number<br><b>1627</b>  |
| Alternate #7<br><div style="font-size: 48pt; font-weight: bold; text-align: center;">A7</div> Base Bid 1 Renovations |

|          |  |
|----------|--|
| ALT. #1  | ADD OFFICE RM. 116 TO N.E. CORNER OF STORAGE 114 AS SHOWN ON FLOOR PLAN SHT. A3  |
| ALT. #2  | ADD BUSINESS CENTER RM. 115 TO N.E. CORNER OF AUDITORIUM 113 AS SHOWN ON FLOOR PLAN SHT. A3  |
| ALT. #3  | REVISE KITCHEN LAYOUT AS SHOWN ON ENLARGED PLANS SHT. A4   |
| ALT. #4  | RESTROOM UPGRADES: MEN'S 103 & WOMEN'S 104<br>WALL FINISH TO BE: STONEWOOD ROBUS NATURAL 12 x 24 WALL TILE, STAGGERED<br>BRICKWORK PATTERN TO 5'-6" A.F.F. WITH 6" CUT TILE BASE MATCHING WALL TILE, WITH<br>WOOD TRIM (SEE DETAIL T/A5) AND WALL VINYL ABOVE TRIM. SEE DETAIL W/A5<br>TOILET PARTITIONS TO BE CEILING HUNG, SOLID CORE PHENOLIC. COLOR TO BE SELECTED BY<br>OWNER   |
| ALT. #5  | ADD BOARD WOMEN'S RR 117 AND BOARD MEN'S RR 115 AT EXIST. OLD KITCHEN 010B   |
| ALT. #6  | WINDOWS, TYPE 'I' IN MEETING 4 RM. 105 AND MEETING 5 RM. 107 (DESIGNATED SHELTER<br>AREAS; SEE FORTHCOMING AGREEMENT FOR THESE TWO WINDOWS IN THE DESIGNATED<br>SHELTER AREAS.   |
| ALT. #7  | ADD ADDITIONAL FOLDING PARTITION, STACKING POCKET, AND ALL ADDITIONAL HARDWARE<br>AUDITORIUM 113, RELOCATE DOOR MK. 14 AND ADD DOOR MK. 30   |
| ALT. #8  | REMODEL EXIST. BAR RM. 0113  |
| ALT. #9  | RE-ROOF SOUTH PORTION OF BUILDING, REMOVE SKYLIGHTS, UNUSED STANDS, CURBS, &<br>EQUIPMENT, SEE SHEET A8 ROOF PLAN FOR FURTHER DETAILS.   |
| ALT. #10 | RE-ROOF NORTH ADDITION OF BUILDING, SEE SHEET A8 ROOF PLAN FOR FURTHER DETAILS.  |
| ALT. #11 | CONSTRUCT STANDALONE WELLNESS CENTER, SEE SEPARATE "ALTERNATE N. 11 - NEW<br>CONSTRUCTION - WELLNESS CENTER" PLANS FOR BIDDING PLANS. EXIST. LOCKERS IN<br>EXIST. MEN'S LOCKER 0115 & EXIST. WOMEN'S LOCKER 0110 TO REMAIN PROPERTY OF THE<br>OWNER, DEMOLISH EXIST. MEN'S LOCKER 0115, EXIST. WOMEN'S LOCKER 0110, EXIST. GYM<br>0118 ADD DOOR MK 31 AND ASSOCIATED STOREFRONT UNIT |

- 1) REMOVE EXISTING ROOFING SYSTEM DOWN TO EXISTING ROOF DECK. EXISTING ROOF DECK AND STRUCTURE TO REMAIN. PATCH AND REPAIR EXISTING ROOF DECK AS REQUIRED.
- 2) NEW 'TPO' ROOF SYSTEM: (60 MIL.) w/ (20 YEAR WARRANTY)
- 3) 1/2" RECOVERY BOARD OVER POLYISO INSULATION
- 4) TAPERED POLYISO INSULATION, MAINTAIN MINIMUM OF 1/4" SLOPE, MINIMUM THICKNESS SHALL BE 2".
- 5) TAPER POLYISO INSULATION ACCORDINGLY TO PROVIDE ADEQUATE ROOF DRAINAGE AT EXISTING ROOF DRAINS
- 6) EXTEND 'TPO' MEMBRANE UP BACK OF EXISTING PARAPET WALL A MINIMUM OF 1'-0" ABOVE FINISH ROOF.
- 7) FIELD VERIFY EXISTING ROOF DRAIN LOCATIONS. PATCH AND REPAIR AS REQUIRED. ADJUST EXIST. ROOF DRAINS ACCORDINGLY TO MAINTAIN A MINIMUM POLYISO INSULATION THICKNESS OF 2".
- 8) ADD 6 x 6 METAL OVERFLOW SCUPPERS THRU EXISTING PARAPET WALL AT SOUTH PORTION OF BUILDING. VERIFY THE LOCATION OF EXISTING SCUPPERS ON NORTH PORTION OF BUILDING. PATCH AND REPAIR EXISTING OVERFLOW SCUPPERS AS REQUIRED.



Hunter & Millard  
ARCHITECTS, INC.

Missouri Certificate of Authority: A-2008008317

Conference Center Renovations  
*Leggett & Platt*  
INCORPORATED  
#1 Leggett Road Carthage, MO

Drawn By  
**JWA**  
Checked By  
  
Date  
**January 06, 2017**  
Scale  
**1/16" = 1'-0"**  
Job Number  
**1627**  
Alternate #9  
**Roof Demolition Plan**  
**Entire Building**

# A8

Base Bid 1 Renovation

| <b>Revisions</b>         | <b>By</b>      |
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| <b>Last Modification</b> |                |
| <b>DATE</b>              | <b>INT'L'S</b> |

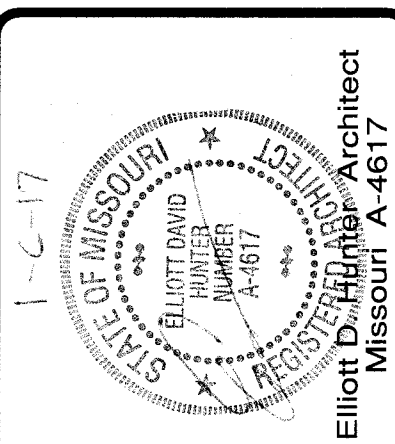
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ARCHITECTS, INC.

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Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884

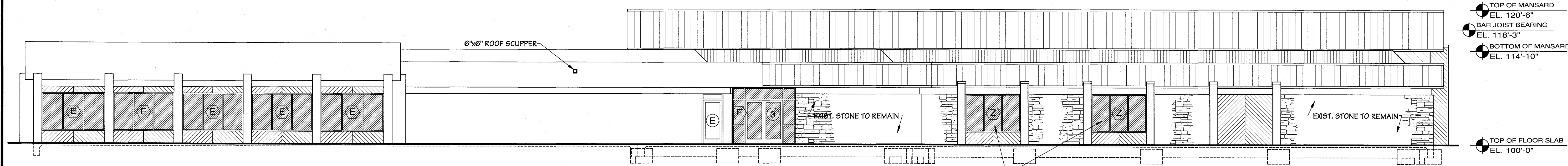
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hunterandmillard.com

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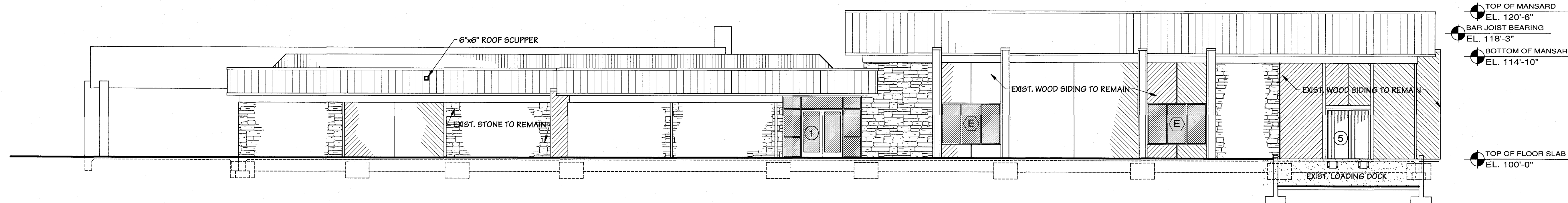






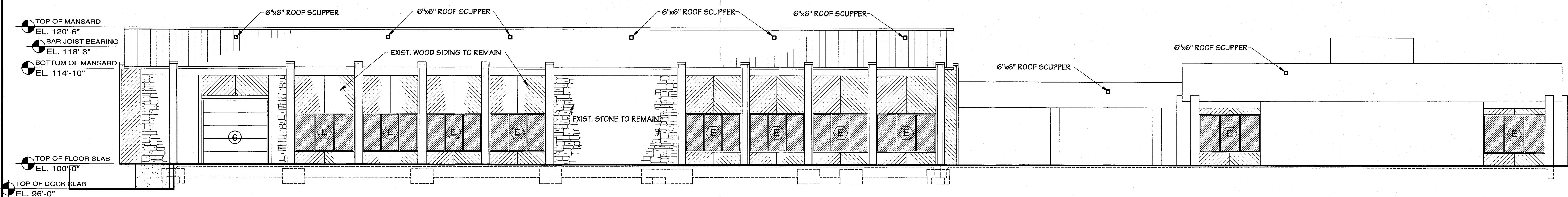
**East Exterior Elevation**

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



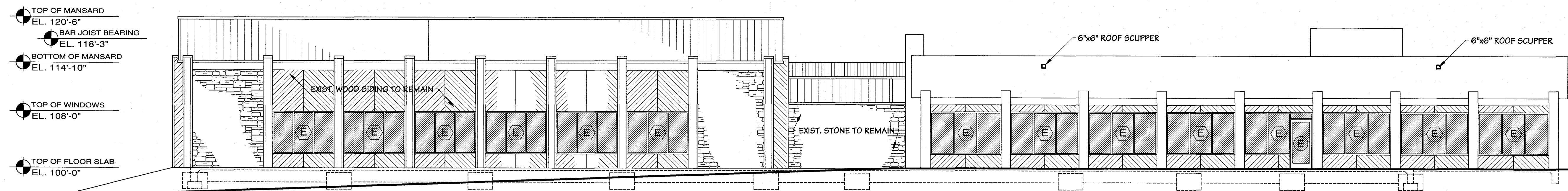
**North Exterior Elevation**

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



**West Exterior Elevation**

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



**South Exterior Elevation**

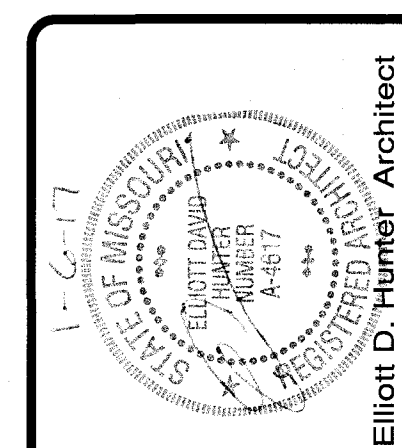
SCALE: 1/8" = 1'-0"

**Base Bid #1 - Renovation**

| Revisions         | By    |
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| Last Modification |       |
| DATE              | INT'L |

**Hunter & Millard**  
ARCHITECTS, INC.  
3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884  
jeff@hunterandmillard.com  
website:  
hunterandmillard.com  
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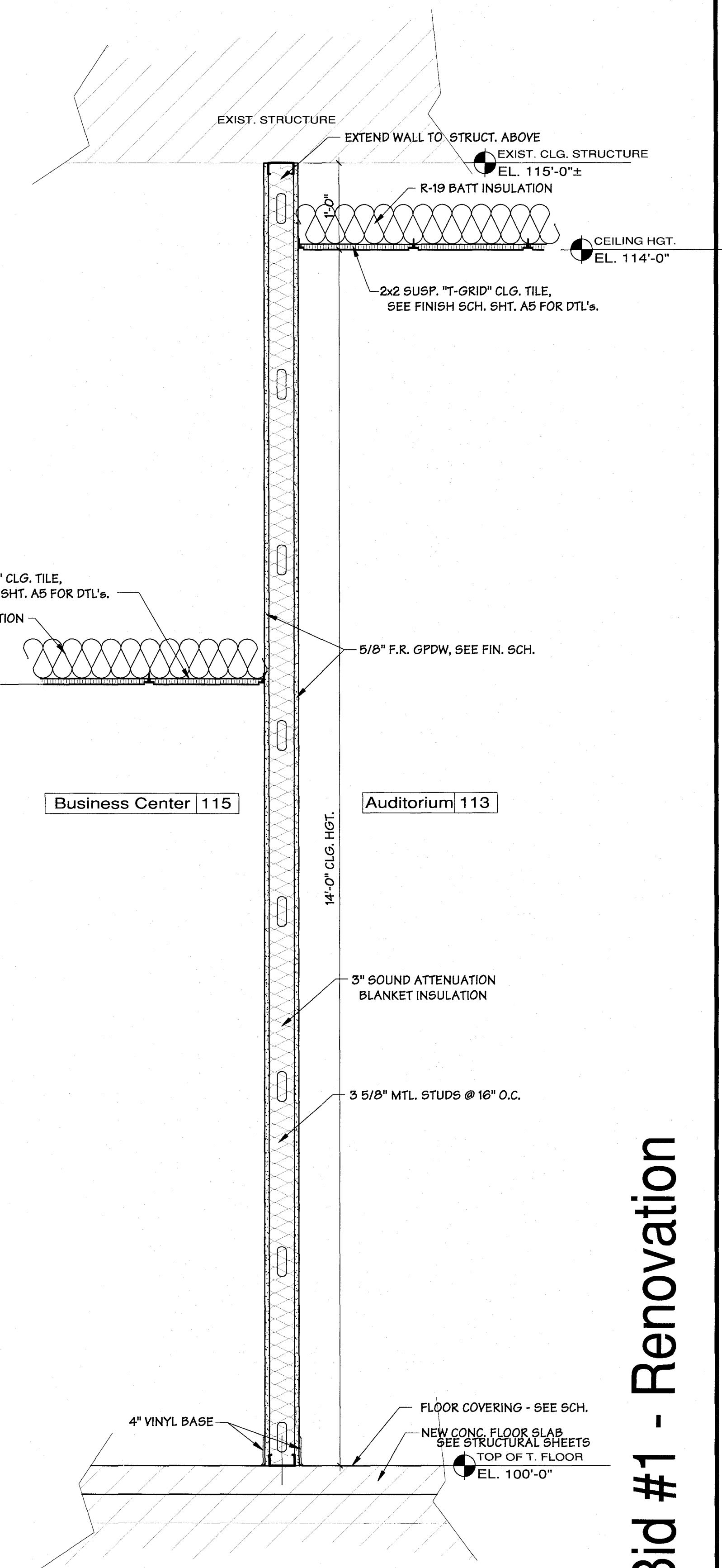


Conference Center Renovations  
*Leggett & Platt*  
INCORPORATED  
#1 Leggett Road Carthage, MO

Drawn By  
JWA  
Checked By  
   
Date  
12/28/16  
Scale  
1/8" = 1'-0"  
Job Number  
1627  
Ext. Elevations  
**A9**  
Base Bid 1 Renovation







# A11

**Hunter & Millard**  
ARCHITECTS, INC.

3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884

casey@hunterandmillard.com

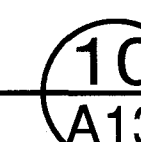
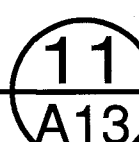
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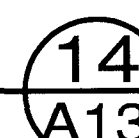
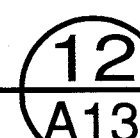
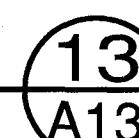
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| Drawn By<br>CJT          |
| Checked By               |
| Date<br>January 06, 2017 |
| Scale<br>1" = 1'-0"      |
| Job Number<br>1624       |
| Wall Sections            |

# Base Bid #1 - Renovation





MIRROR. SEE RESTROOM



16  
A13

Drawn By  
 CJT  
 Checked By  
  
 Date  
 January 06, 2017  
 Scale  
 1/2" = 1'-0"  
 Job Number  
 1627  
 Millwork  
 Interior Elev.  
**A13**  
 Base Bid 1 Renovation



**Hunter & Millard**  
ARCHITECTS, INC.

3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-9884

casey@hunterandmillard.com

*website:*  
hunterandmillard.com

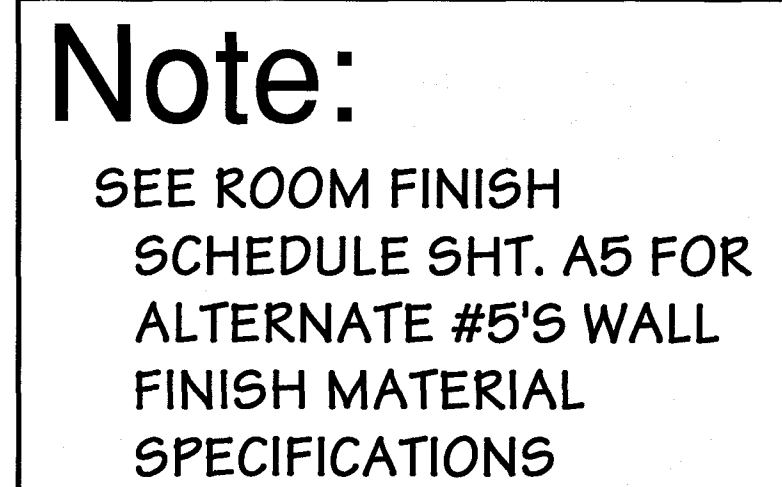
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#1 Leggett Road Carthage, MO

|  |
|--|
| Drawn By<br><b>CJT</b><br>Checked By   |
| Date<br><b>January 06, 2017</b><br>Scale<br><b>1/2" = 1'-0"</b><br>Job Number<br><b>1627</b> |
| <b>Millwork</b><br><b>Interior Elev.</b>   |

# A14

Base Bid 1 Renovation

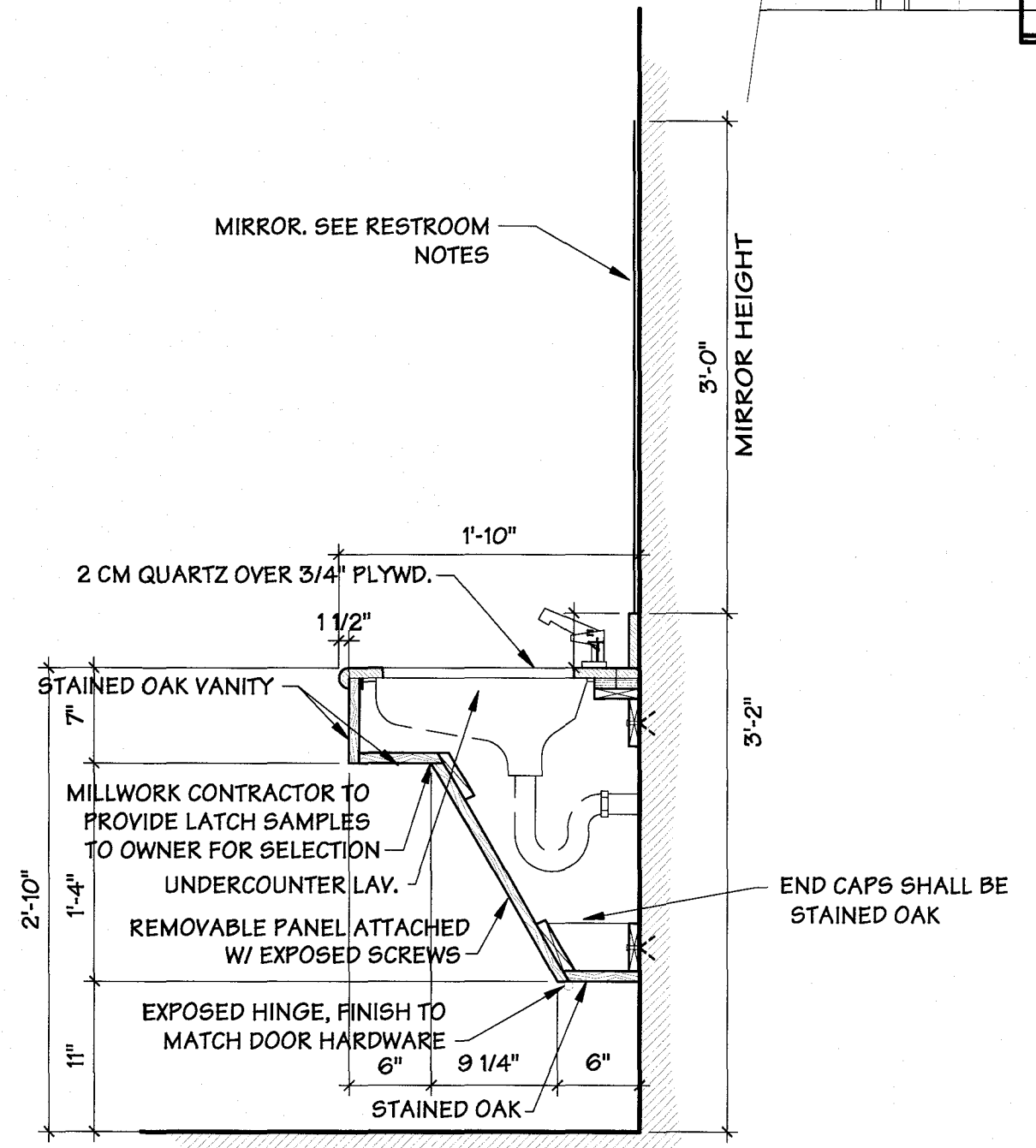
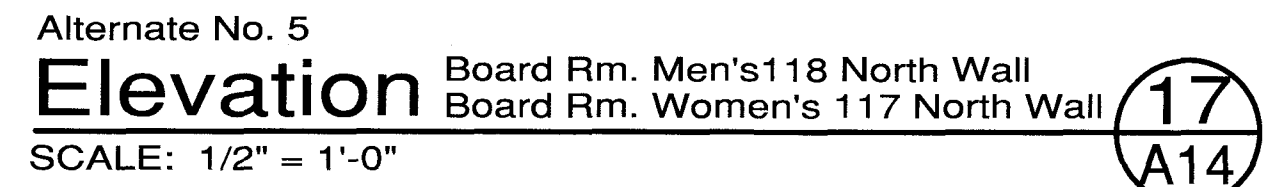


Alternate No. 5

**Elevation** Board Rm. Men's 118 South Wall  
Board Rm. Women's 117 South Wall

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

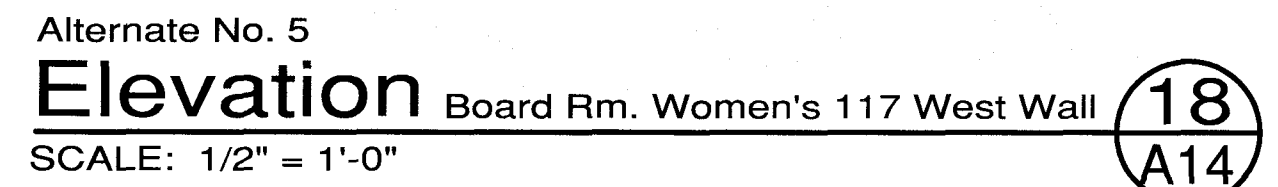
15  
A14



**Section** Vanities at Restrooms

SCALE: 1" = 1'-0"

19  
A14













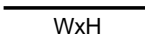

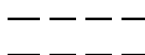





## Base Bid #1 - Renovation


















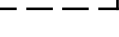


## MEP SYMBOLS LEGEND

## HVAC AIR DEVICES & DUCTWORK

|   |   |
|---|---|
|  | SUPPLY AIR DEVICE (4-WAY)                                   |
|  | SUPPLY AIR DEVICE (3-WAY)                                   |
|  | SUPPLY AIR DEVICE (2-WAY)                                   |
|  | RETURN/EXHAUST AIR DEVICE                                   |
|  | EXISTING SUPPLY AIR DEVICE                                  |
|  | EXISTING RETURN AIR DEVICE                                  |
|  | SIDEWALL AIR DEVICE   |
|  | AIR DEVICE TAG W/MARK NUMBER,<br>NOMINAL SIZE AND FLOW      |
|  | SUPPLY DUCT UP  |
|  | SUPPLY DUCT DOWN  |
|  | RETURN/EXHAUST DUCT UP                                      |
|  | RETURN/EXHAUST DUCT DOWN                                    |
|  | RECTANGULAR DUCT WIDTHxHEIGHT                               |
|  | ROUND DUCT (SPIRAL)   |
|  | EXISTING DUCTWORK   |
|  | ROUND DUCT (SNAP-LOCK)                                      |
|  | ROUND DUCT TAKEOFF WITH MANUAL DAMPER                       |
|  | EQUIPMENT TAG W/EQUIPMENT TYPE<br>AND IDENTIFICATION NUMBER |





## HVAC SENSORS & SYMBOLS

|   |                                    |
|---|------------------------------------|
|    | THERMOSTAT                         |
|    | TEMPERATURE SENSOR                 |
|  | TEMPERATURE CONTROLLER             |
|  | HUMIDITY SENSOR                    |
|  | CARBON DIOXIDE SENSOR              |
|  | CARBON DIOXIDE SENSOR - DUCT MOUNT |
|  | CARBON MONOXIDE SENSOR             |
|  | REFRIGERANT PIPING                 |
|  | CONDENSATE PIPING                  |
|  | BALANCING DAMPER                   |
|  | MOTORIZED DAMPER W/ADJUSTABLE STOP |
|  | FIRE DAMPER                        |
|  | SMOKE DAMPER                       |
|  | FIRE/SMOKE DAMPER                  |
|  | ZONE DAMPER                        |
|  | BYPASS DAMPER                      |
|  | MECHANICAL EQUIPMENT               |
|  | MECHANICAL EQUIPMENT ON ROOF       |

## ELECTRICAL SWITCHES






MOUNT AT 48" ABOVE FINISH FLOOR (AFF) UNLESS OTHERWISE NOTED. WHEN MOUNTED IN MASONRY, SWITCH MOUNTING HEIGHT SHALL ALIGN WITH MASONRY COURSING NEAREST TO 48" (MID-POINT) AFF, BUT SHALL NOT BE HIGHER THAN 48" (MID-POINT) AFF.

|      |                     |
|------|---------------------|
| S    | SINGLE POLE SWITCH  |
| S 2  | DOUBLE POLE SWITCH  |
| S 3  | THREE-WAY SWITCH    |
| S 4  | FOUR-WAY SWITCH     |
| S DM | DIMMER SWITCH       |
| S M  | MOTOR RATED SWITCH  |
| S K  | KEYED SWITCH        |
| S 2K | 2-POLE KEYED SWITCH |
| S 3K | 3-WAY KEYED SWITCH  |
| S T  | TIME SWITCH         |
| S P  | PILOT LIGHT SWITCH  |

|   |                                    |
|---|------------------------------------|
|  | WALL BOX OCCUPANCY SENSOR          |
|  | OCCUPANCY SENSOR - CEILING MOUNTED |
|  | OCCUPANCY SENSOR - WALL MOUNTED    |
|  | PHOTOELECTRIC CONTROL (PEC)        |














## RECEPTACLES

UNLESS IN FLOOR BOX, MOUNT AT HEIGHT SCHEDULED ABOVE FINISH FLOOR (AFF). WHEN MOUNTED IN MASONRY, RECEPTACLE MOUNTING HEIGHT SHALL ALIGN WITH MASONRY COURSING NEAREST TO SCHEDULED HEIGHT, BUT SHALL NOT BE LOWER THAN 16" (MID-POINT) AFF.

|   |   |
|---|---|
|  | RECEPTACLE-REFER TO RECEPTACLE SCHEDULE                         |
|  | QUADRUPLEX RECEPTACLE-REFER TO RECEPTACLE SCHEDULE              |
|  | RECEPTACLE IN FLOOR BOX, REFER TO KEYED NOTES ON PLAN           |
|  | QUAD. RECEPTACLE IN FLOOR BOX, REFER TO KEYED NOTES ON PLAN     |
|  | SPECIAL RECEPTACLE, NUMERIC 'X-XX' INDICATES NEMA CONFIGURATION |

## EQUIPMENT










INSTALL EQUIPMENT TO COMPLY WITH WORKING SPACE REQUIREMENTS LISTED IN ARTICLE 110 OF THE NATIONAL ELECTRICAL CODE.

|   |   |
|---|---|
|   | LOAD CENTER, PANELBOARD, SWITCHBOARD, OR MOTOR CONTROL CENTER   |
|  | DISCONNECT SWITCH WITH AMPACITY AND NUMBER OF POLES INDICATED   |
|  | JUNCTION BOX  |
|  | DIRECT EQUIPMENT CONNECTION   |
|  | ELECTRIC HAND DRYER   |
|  | MOTOR LOAD:<br>EF - EXHAUST FAN      AHU - AIR HANDLING UNIT<br>P - PUMP              CU - CONDENSING UNIT<br>OHD - OVERHEAD DOOR      CF - CEILING FAN<br>RTU - ROOFTOP UNIT |
|  | PUSHBUTTON OPERATOR:<br>EMS - EMERGENCY STOP<br>DAW - DOOR ACTUATOR - WALL MOUNTED<br>DAP - DOOR ACTUATOR - PEDESTAL MOUNTED<br>PTE - EMERGENCY PUSH TO EXIT                  |
|  | MOTOR STARTER   |
|  | TRANSFORMER   |
|  | CIRCUIT HOMERUN   |
|  | UNDERGROUND ELECTRIC  |
|  | OVERHEAD ELECTRIC   |
|  | UNDERGROUND TELEPHONE   |
|  | OVERHEAD TELEPHONE  |

## COMMUNICATION OUTLET ROUGH-IN


















UNLESS IN FLOORBOX OR OTHERWISE NOTED, MOUNT AT 18" ABOVE FINISH FLOOR (AFF). WHEN MOUNTED IN MASONRY, OUTLET MOUNTING HEIGHT SHALL ALIGN WITH MASONRY COURSING NEAREST TO SCHEDULED HEIGHT, BUT SHALL NOT BE LOWER THAN 16" (MID-POINT) AFF.

PROVIDE A 4" SQUARE JUNCTION BOX AND 3/4" CONDUIT WITH DE-BURRED ENDS, INCLUDING 90° SWEEP, INTO ACCESSIBLE CEILING SPACE. FOR SINGLE-GANG OUTLETS IN FRAMED WALLS, PROVIDE A SINGLE-GANG PLASTER RING.

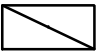
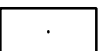







|   |   |
|---|---|
|  | SINGLE-GANG OUTLET                          |
|  | COMBINATION TELEPHONE/DATA OUTLET           |
|  | DATA OUTLET                                 |
|  | TELEVISION OUTLET BOX                       |
|  | TELEPHONE/DATA OUTLET IN RECESSED FLOOR BOX |
|  | INTERCOM OUTLET BOX                         |
|  | INTERCOM SPEAKER                            |
|  | CLOCK - SINGLE FACE                         |
|  | CLOCK - DOUBLE FACE                         |

## FIRE ALARM

COMPLY WITH REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) FOR CEILING-MOUNTING AND/OR WALL-MOUNTING HEIGHTS OF FIRE ALARM DEVICES.

|   |  |
|---|--|
|    | SMOKE DETECTOR                               |
|    | COMBINATION SMOKE & CARBON MONOXIDE DETECTOR |
|    | HEAT DETECTOR                                |
|    | CEILING-MOUNTED STROBE                       |
|    | WALL-MOUNTED STROBE                          |
|   | WALL-MOUNTED HORN/SPEAKER WITH STROBE        |
|  | CEILING-MOUNTED HORN/SPEAKER WITH STROBE     |
|  | WALL-MOUNTED HORN/SPEAKER                    |
|  | TAMPER SWITCH                                |
|  | FLOW SWITCH                                  |
|  | MAGNETIC DOOR HOLDER                         |
|  | MAGNETIC DOOR HOLDER - WALL MOUNTED          |
|  | MANUAL PULL STATION                          |
|  | FIRE ALARM CONTROL PANEL                     |
|  | FIRE ALARM REMOTE ANNUNCIATOR                |
|  | DUCT SMOKE DETECTOR                          |
|  | DUCT HEAT DETECTOR                           |
















## LIGHT FIXTURES

|   |   |
|---|---|
|  | LAY-IN/RECESSED 24" X 48" OR 24" X 24" FLUORESCENT OR LED LIGHT |
|  | SURFACE 24" X 48" OR 24" X 24" FLUORESCENT OR LED LIGHT         |
|  | STRIP, SUSPENDED, OR SURFACE MOUNT LIGHT                        |
|  | INDUSTRIAL FLUORESCENT OR LED LIGHT                             |
|  | DOWNLIGHT/CAN LIGHT OR WALL WASH LIGHT                          |
|  | WALL MOUNTED LIGHT  |
|  | PENDANT LIGHT   |
|  | EXIT LIGHT, DIRECTIONAL EXIT LIGHT, OR EXIT/EMERGENCY LIGHT     |
|  | DUAL HEAD EMERGENCY LIGHT OR REMOTE HEAD                        |













## PIPE LABELS

|           |                      |
|-----------|----------------------|
| ---WS---  | WATER SERVICE        |
| ---CW---  | COLD WATER           |
| ---HW---  | HOT WATER            |
| ---HWR--- | HOT WATER RETURN     |
| ---S---   | BUILDING WASTE/SEWER |
| ---KW---  | KITCHEN WASTE        |
| ---V---   | VENT                 |
| ---SD---  | STORM DRAIN          |
| ---OD---  | OVERFLOW DRAIN       |
| ---G---   | GAS                  |
| ---HPG--- | HIGH PRESSURE GAS    |
| ---CA---  | COMPRESSED AIR       |
| ---VAC--- | VACUUM               |
| ---FW---  | FILTERED WATER       |
| -----     | EXISTING PIPE        |
| -----     | PIPE BELOW GRADE     |







## VALVES & FITTINGS

|   |                         |
|---|-------------------------|
|    | BALL VALVE              |
|    | CIRCUIT BALANCING VALVE |
|    | PRESSURE REDUCING VALVE |
|    | CHECK VALVE             |
|    | DOUBLE CHECK VALVE      |
|    | CAP                     |
|    | EQUIPMENT CONNECTION    |
|    | ELBOW UP                |
|    | ELBOW DOWN              |
|    | TEE                     |
|    | ELBOW                   |
|    | TEE UP                  |
|    | TEE DOWN                |
|   | WATER HAMMER ARRESTOR   |
|  | PIPING CONTINUATION     |





# PLUMBING SYMBOLS

|   |                                     |
|---|-------------------------------------|
|  | REDUCED PRESSURE BACKFLOW PREVENTER |
|  | FLOOR DRAIN                         |
|  | CLEANOUT                            |
|  | OUTDOOR CLEANOUT                    |
|  | WALL CLEANOUT                       |
|  | FLOOR SINK                          |
|  | ROOF DRAIN                          |
|  | GAS PRESSURE REGULATOR              |
|  | GAS METER                           |
|  |                                     |
|  | COLD WATER CONNECTION - PEX TUBING  |
|  | HOT WATER CONNECTION - PEX TUBING   |










## FIRE PROTECTION

|   |                          |
|---|--------------------------|
|  | FLOW SWITCH              |
|  | SIAMESE FIRE DEPT. CONN. |
|  | BACKFLOW PREVENTER       |
|  | SPRINKLER HEAD           |
|  | HOSE CABINET             |
|  | VALVE CABINET            |

## GENERAL MEP SYMBOLS & ABBREVIATIONS

|   |                                       |
|---|---------------------------------------|
|  | PLAN KEY NOTE IDENTIFIER              |
|  | DENOTES "CONNECT TO EXISTING"         |
|  | DETAIL REFERENCE IDENTIFIER           |
|  | PLAN REVISION IDENTIFIER              |
| AFF   | ABOVE FINISHED FLOOR                  |
| AFG   | ABOVE FINISHED GRADE                  |
| TOF   | TOP OF FIXTURE                        |
| BOF   | BOTTOM OF FIXTURE                     |
| COF   | CENTER OF FIXTURE                     |
| AC  | ABOVE COUNTER                         |
| BC  | BELOW COUNTER                         |
| GFI   | GROUND FAULT INTERRUPTER              |
| WP  | WEATHER PROOF                         |
| TL  | TWISTLOCK                             |
| TP  | TAMPER PROOF                          |
| NIC   | NOT IN CONTRACT                       |
| CLG   | CEILING                               |
| UNO   | UNLESS NOTED OTHERWISE                |
| MFG   | MANUFACTURER                          |
| NTS   | NOT TO SCALE                          |
| RE  | REFER TO, REFERENCE                   |
| OF/CI   | OWNER FURNISHED, CONTRACTOR INSTALLED |
| EM  | EMERGENCY                             |
| NL  | NON-SWITCHED NIGHT LIGHT              |
| HOR   | HORIZONTAL                            |
| FACP  | FIRE ALARM CONTROL PANEL              |
| CW  | COLD WATER                            |
| HW  | HOT WATER                             |
| HWR   | HOT WATER RETURN                      |
| TW  | TEMPERED WATER                        |
| FW  | FILTERED WATER                        |
| WS  | WATER SERVICE                         |
| SS  | SANITARY SEWER                        |
| V   | VENT                                  |
| VTR   | VENT THROUGH ROOF                     |
| EF  | EXHAUST FAN                           |
| AHU   | AIR HANDLING UNIT                     |
| HP  | HEAT PUMP                             |
| CU  | CONDENSING UNIT                       |
| RTU   | ROOF TOP UNIT                         |
| CF  | CEILING FAN                           |
| P   | PUMP                                  |
| UH  | UNIT HEATER                           |
| FCU   | FAN COIL UNIT                         |
| SF  | SUPPLY FAN                            |
| OHD   | OVERHEAD DOOR                         |
| GH  | GOALBALL GASKET HOIST                 |

## SECURITY

|   |                      |
|---|----------------------|
|  | SECURITY/CCTV CAMERA |
|  | DOOR BUZZER          |
|  | DOOR BELL/CHIME      |
|  | CARD READER          |
|  | ELECTRIC DOOR LOCK   |
|  | MAGNETIC DOOR LOCK   |
|  | ACCESS KEYPAD        |
|  | MOTION SENSOR        |
|  | GLASS BREAK SENSOR   |

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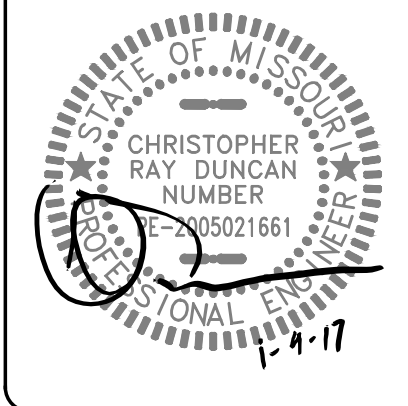
3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884

jeff@hunterandmillard.com

*website:*  
hunterandmillard.com

*check us out on Facebook:*  
Hunter & Millard Architects, Inc.

**Hunter & Millard**  
ARCHITECTS, INC.



Conference Center Renovations  
*Leggett & Platt*  
INCORPORATED  
#1 Leggett Road Carthage, MO

|            |          |
|------------|----------|
| Drawn By   | cdl      |
| Checked By | crd/knc  |
| Date       | 1/4/17   |
| Scale      | As Noted |
| Job Number | 1627     |

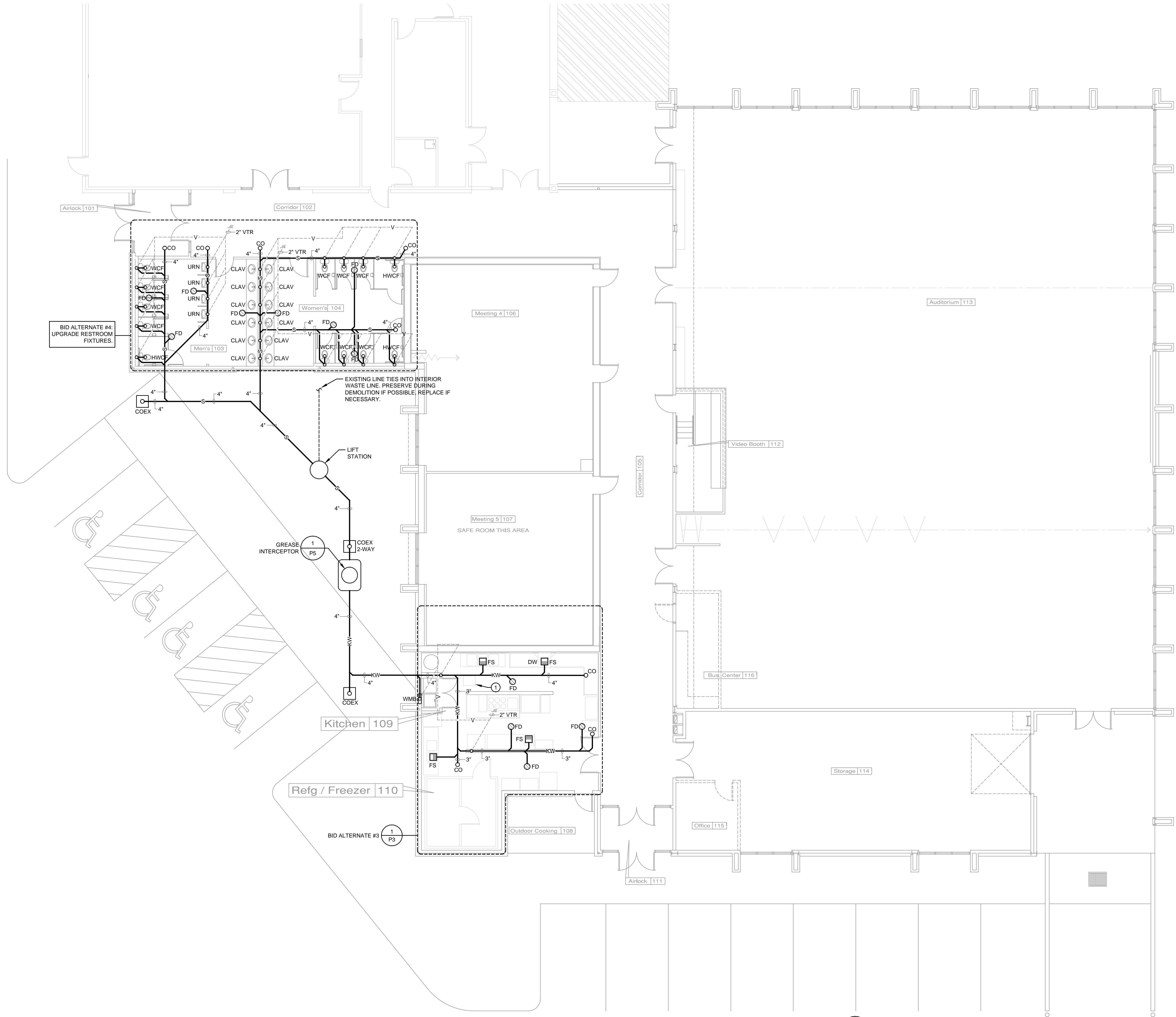
## MEP Symbols Legend

# MEP1

Base Bid 1 Renovation



**CONWAY DUNCAN**  
3015 SOUTH FORT AVENUE | SUITE D  
SPRINGFIELD | MISSOURI | 65804  
P: 417.881.1586 | F: 417.881.8390  
MISSOURI COA: E-2014013301



WASTE & VENT PIPING PLAN - NORTH END  
SCALE: 1/8" = 1'-0"



KEY NOTES

- INDICATED BY SYMBOLS ①, ②, ETC.
1. EXISTING GREASE TRAP TO BE REMOVED. REPAIR SLAB PER ARCHITECTS DIRECTIONS.

GENERAL NOTES

1. ALL PLUMBING WORK SHALL COMPLY WITH THE 2012 EDITION OF THE INTERNATIONAL PLUMBING CODE.
2. DRAWING IS DIAGRAMMATIC AND IS NOT TO BE SCALED. REFER TO ARCHITECTURAL PLANS AND FIELD CONDITIONS FOR DIMENSIONS.
3. PIPING MATERIAL SHALL BE AS FOLLOWS:

HOT AND COLD WATER PIPING:

CROSS LINKED POLYETHYLENE PLASTIC TUBING (PEX)

TUBING SHALL BE CROSSLINKED POLYETHYLENE PEX-A PIPING. FITTINGS SHALL BE "PROPEX" EXPANDER TYPE.

PROVIDE A COPPER STUB OUT WHERE FIXTURE SUPPLY LINE CONNECTIONS WILL BE EXPOSED.

PEX TUBING SHALL BE SUPPORTED EVERY 32" MINIMUM, AT EVERY BEND AND AT ALL JOINTS.

ONLY SUPPORT SPECIFICALLY MANUFACTURED FOR SUPPORT OF PLASTIC TUBING ARE ALLOWED. TUBING SHOULD BE FREE TO MOVE WITHIN THE SUPPORT.

HOT AND COLD WATER LINES SHALL BE INSULATED WITH 1/2" AP ARMAFLEX (UNSLIT TUBES). SEAL JOINTS PER MANUFACTURER'S RECOMMENDATIONS.

TUBING SHALL BE INSTALLED IN A NEAT AND ORDERLY FASHION. TUBING SHALL RUN IN PERPENDICULAR/PARALLEL LINES TO BUILDING STRUCTURE.

DRAIN WASTE AND VENT PIPING: SCHEDULE 40 PVC DWV IN WALLS OR BELOW SLAB. GALVANIZED STEEL, COPPER DWV, OR CAST IRON IN CEILING PLENUMS.

4. SERVICE VALVES ON WATER LINES SHALL BE BRONZE BALL VALVES. DO NOT SUBSTITUTE GATE OR GLOBE VALVES. VALVES SHALL BE THE SAME SIZE AS THE PIPING, UNLESS NOTED OTHERWISE.
5. PLUMBING FIXTURES ARE TO BE FURNISHED COMPLETE WITH ALL NECESSARY STOPS, TRAPS, TAILPIECES, TRIM, ETC.
6. PROVIDE A WATER HAMMER ARRESTER ON THE SUPPLY PIPING (CW & HW) WHERE INDICATED ON THE PLAN. ARRESTERS SHALL BE SIOUX CHIEF MODEL 652-A OR EQUAL. INSTALL ARRESTERS PER THE MANUFACTURER'S RECOMMENDATIONS. THE ARRESTERS SHALL BE RATED FOR INSTALLATION IN CONCEALED LOCATIONS. CAPPED AIR CHAMBERS ARE NOT ALLOWED.
7. ALL HOT AND COLD WATER SUPPLY PIPING CONNECTION TO FIXTURES ARE TO BE 1/2", UNLESS NOTED OTHERWISE.
8. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER CONTRACTORS AND SUBCONTRACTORS IN LAYING OUT AND INSTALLING HIS WORK. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
9. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING A COMPLETE AND OPERABLE SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLANS, WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
10. ALL FLOOR DRAINS, FLOOR SINKS AND INTERIOR CLEANOUTS SHALL BE INSTALLED FLUSH WITH FINISHED FLOOR COVERING. FLOOR SHALL NOT BE SLOPED TO DRAIN UNLESS SPECIFICALLY INDICATED ON THE PLANS.

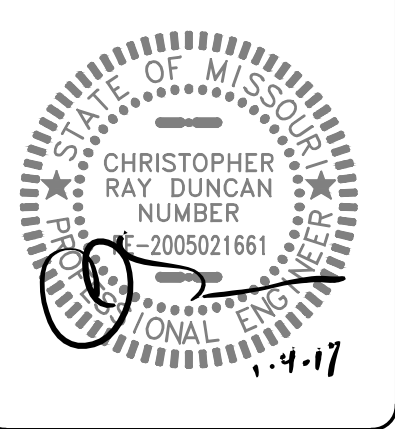


CONWAY DUNCAN  
3015 SOUTH FORT AVENUE | SUITE D  
SPRINGFIELD | MISSOURI | 65804  
P: 417.881.1586 | F: 417.881.8390  
MISSOURI COA: E-2014013301

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Hunter & Millard  
ARCHITECTS, INC.  
3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884  
jeff@hunterandmillard.com  
website:  
hunterandmillard.com  
check us out on Facebook:  
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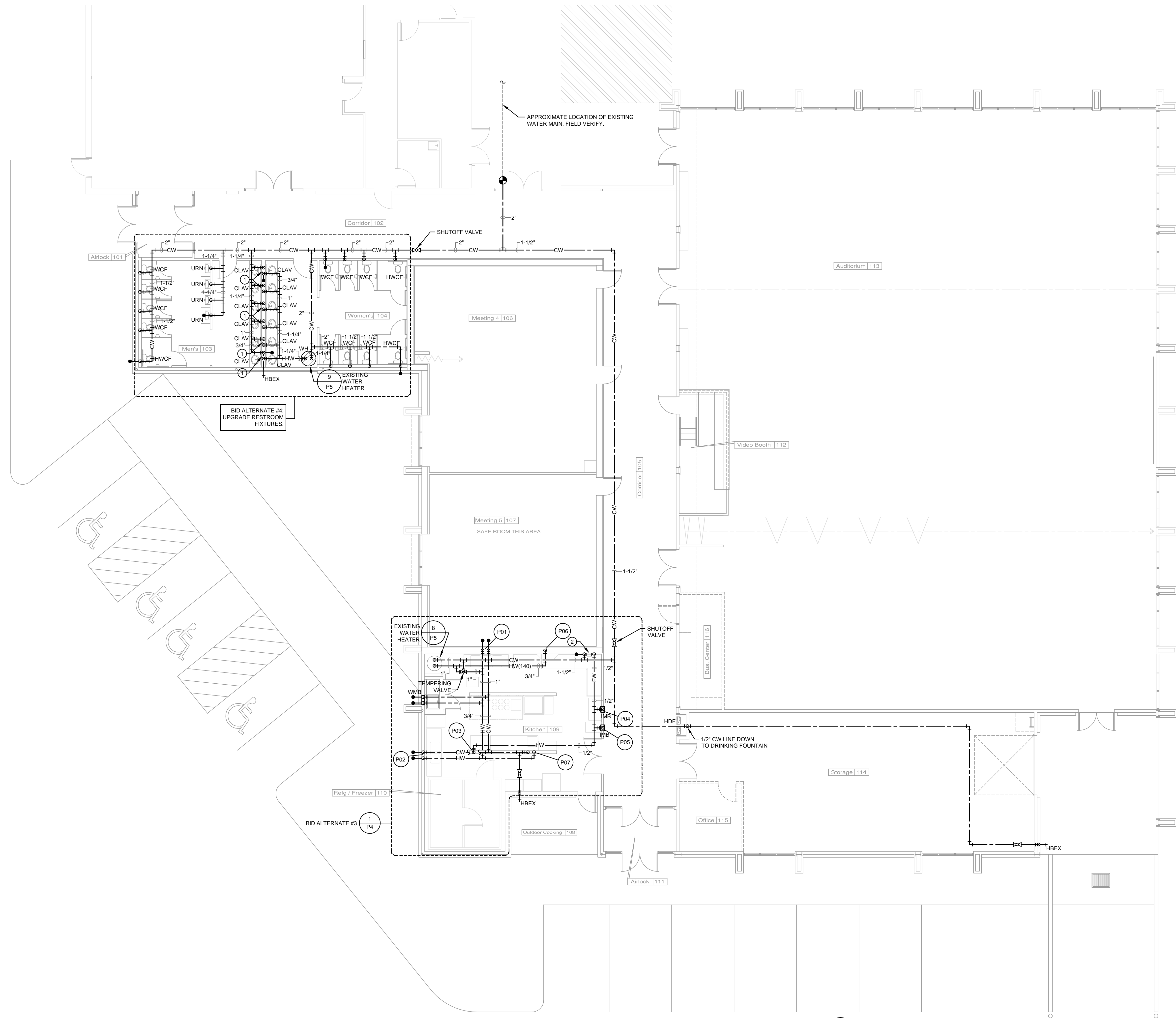
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Missouri Certificate of Authority: A-2008008317



Conference Center Renovations  
Leggett & Platt  
INCORPORATED  
#1 Leggett Road Carthage, MO

|                                       |
|---------------------------------------|
| Drawn By<br>cdl                       |
| Checked By<br>cdl/knc                 |
| Date<br>1/4/17                        |
| Scale<br>As Noted                     |
| Job Number<br>1627                    |
| Waste & Vent Piping<br>Plan North End |
| P1                                    |
| Base Bid 1 Renovation                 |





SUPPLY PIPING PLAN - NORTH END  
SCALE: 1/8" = 1'-0"



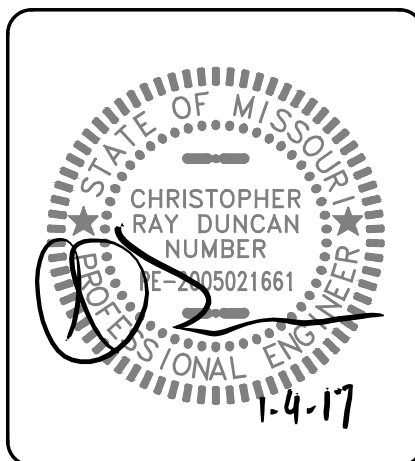
**KEY NOTES**  
INDICATED BY SYMBOLS ①, ②, ETC.  
1. 1/2" CW & HW DROP TO TWO CLAVS, TYP.  
2. WATER FILTER, HOSHIZAKI AMERICA H9320-51 OR EQUIVALENT.

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P: 417.881.1586 | F: 417.881.8390  
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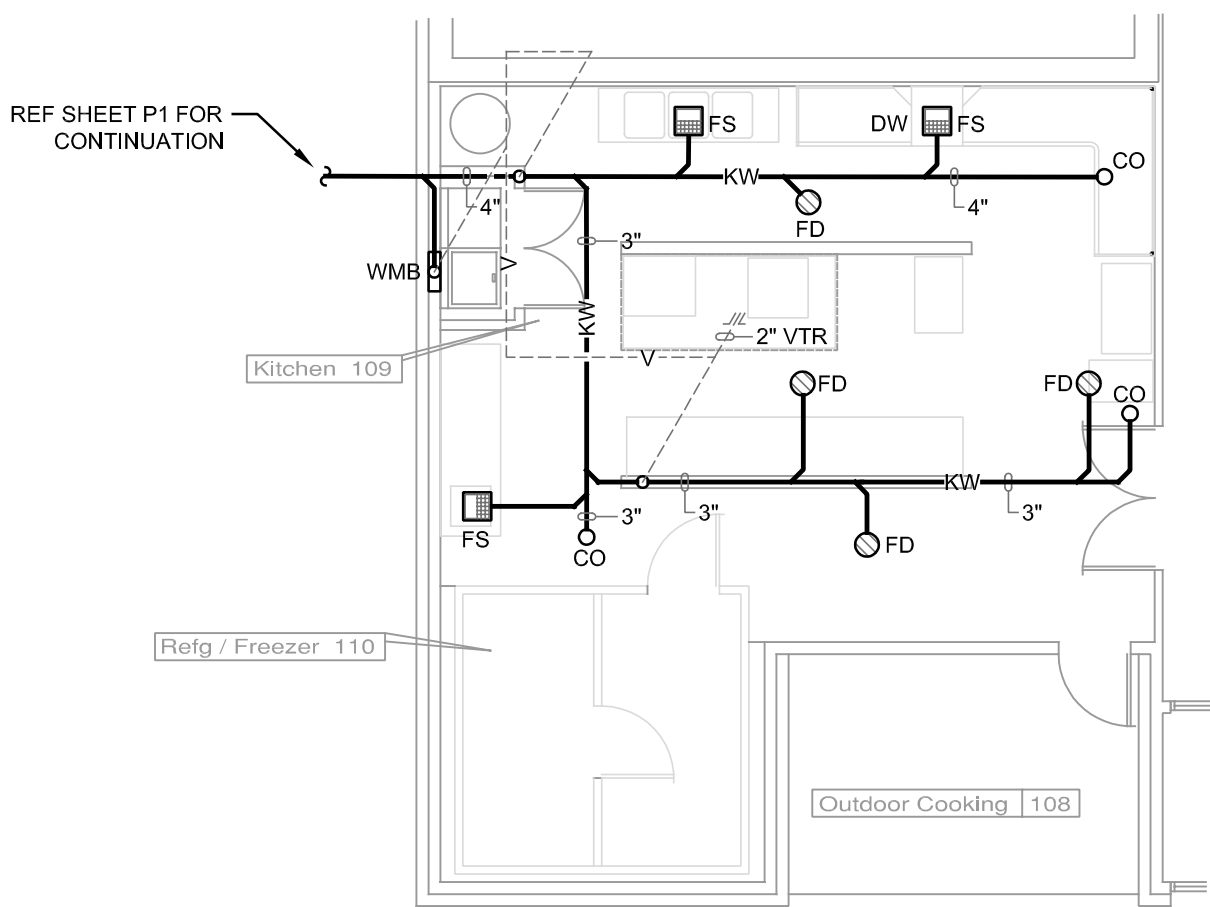
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ARCHITECTS, INC.  
3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884  
jeff@hunterandmillard.com  
website:  
hunterandmillard.com  
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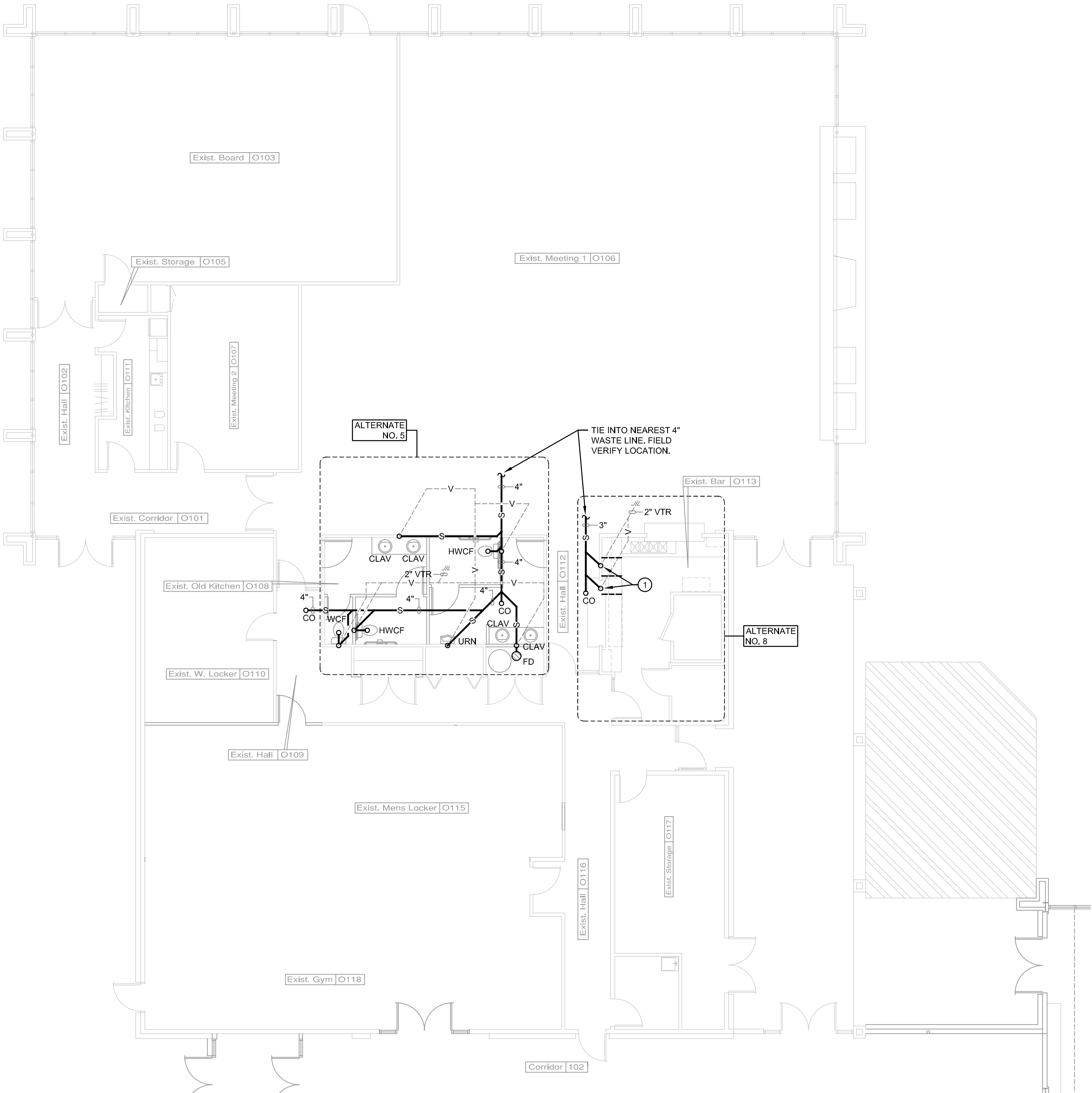
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**Leggett & Platt**  
INCORPORATED  
#1 Leggett Road Carthage, MO

Drawn By  
cdl  
Checked By  
cdl/knc  
Date  
1/4/17  
Scale  
As Noted  
Job Number  
1627  
Supply Piping Plan  
North End  
**P2**  
Base Bid 1 Renovation



BID ALTERNATE #3 - KITCHEN WASTE & VENT PIPING PLAN

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



WASTE & VENT PIPING PLAN - SOUTH END

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



KEY NOTES

INDICATED BY SYMBOLS ①, ②, ETC.

1. 2" WASTE LINE UP TO DISHWASHER, VERIFY CONNECTION REQUIREMENTS WITH DISHWASHER MANUFACTURER LITERATURE.

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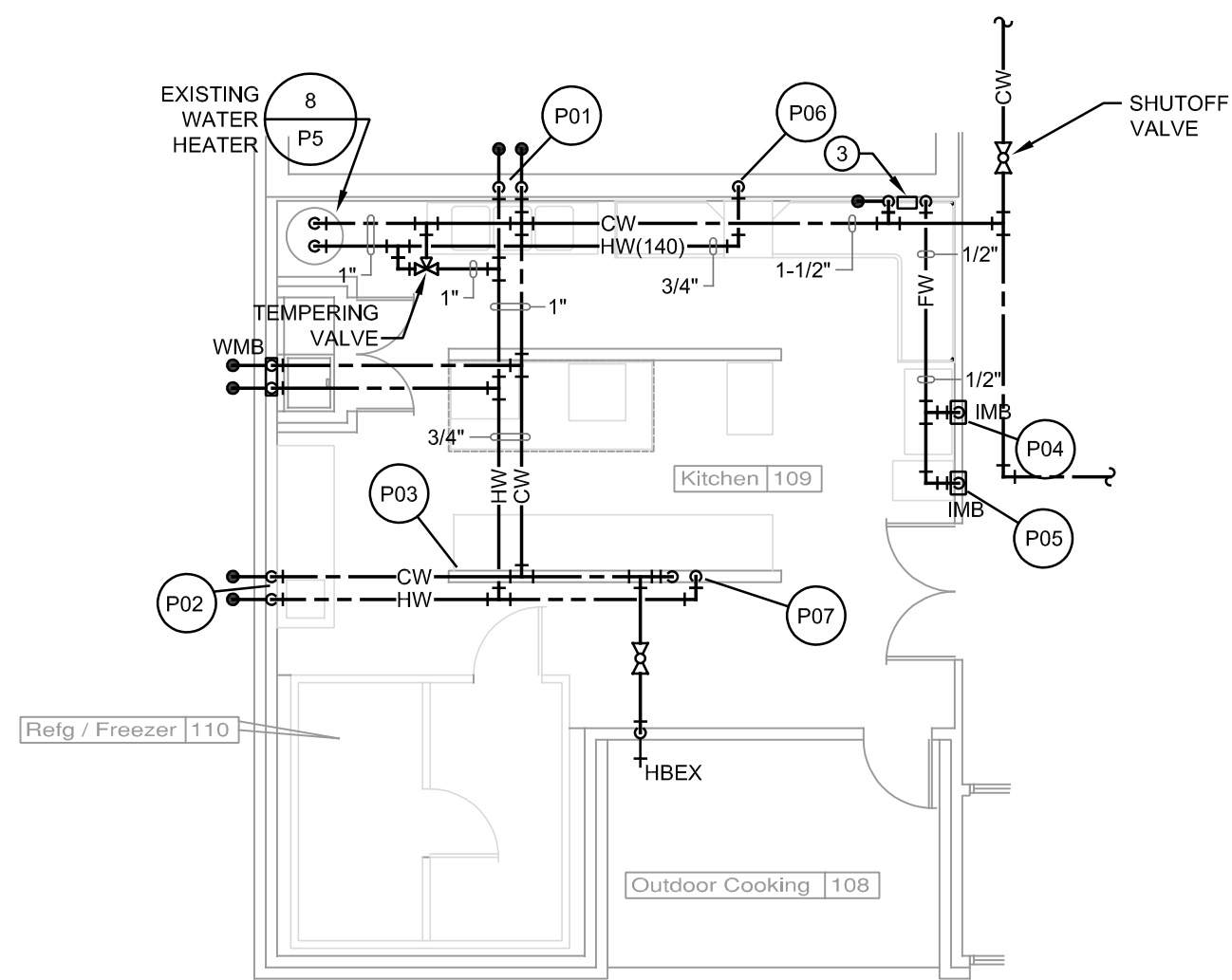


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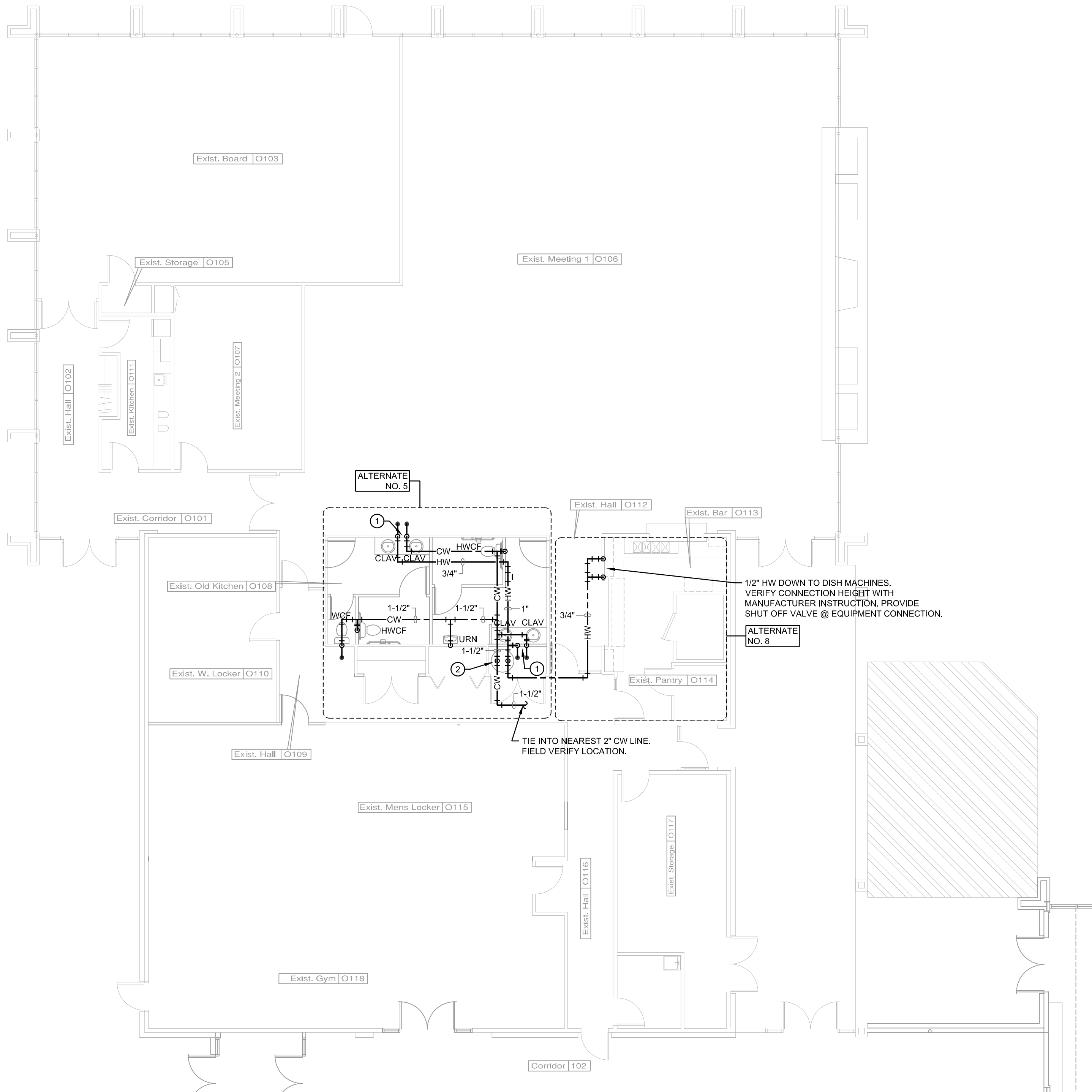
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| Date<br>1/4/17  |
| Scale<br>As Noted                                     |
| Job Number<br>1627                                    |
| Alternates & Waste<br>& Vent Piping Plan<br>South End |
| P3  |
| Base Bid 1 Renovation                                 |

CONWAY DUNCAN  
3015 SOUTH FORT AVENUE | SUITE D  
SPRINGFIELD | MISSOURI | 65804  
P: 417.881.1586 | F: 417.881.8390  
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BID ALTERNATE #3 - KITCHEN SUPPLY PIPING PLAN  
SCALE: 1/8" = 1'-0"



SUPPLY PIPING PLAN - SOUTH END  
SCALE: 1/8" = 1'-0"



KEY NOTES

- INDICATED BY SYMBOLS ① . ② . ETC.
- 3/4" CW AND HW DROPS, BRANCH OFF TO TWO CLAVS.
  - NEW 1" CW DROP TO EXISTING WATER HEATER, EXISTING WATER HEATER TO REMAIN. SEE DETAIL 10P5.
  - WATER FILTER, HOSHIZAKI AMERICA H8320-5 OR EQUIVALENT.

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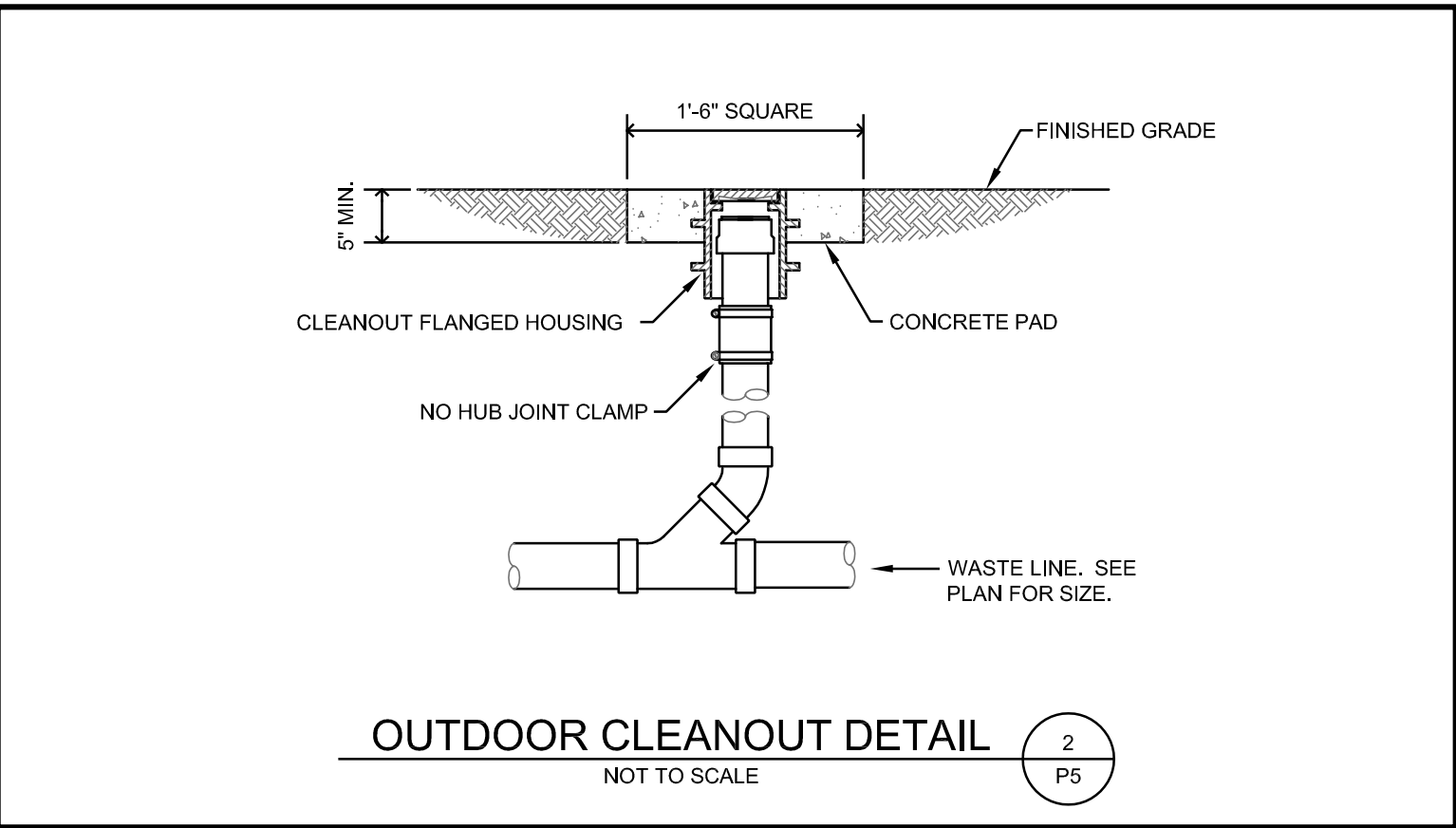
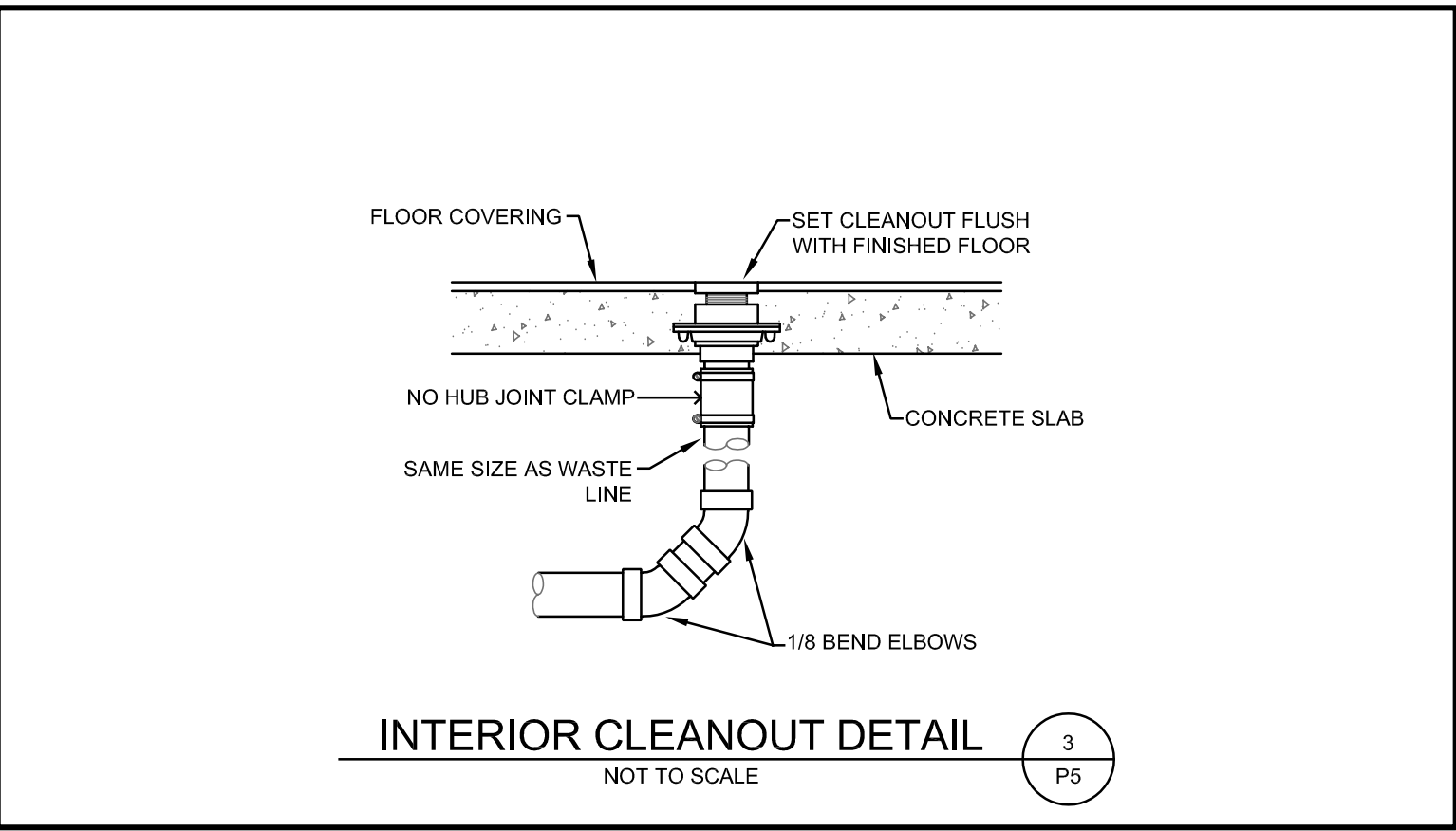
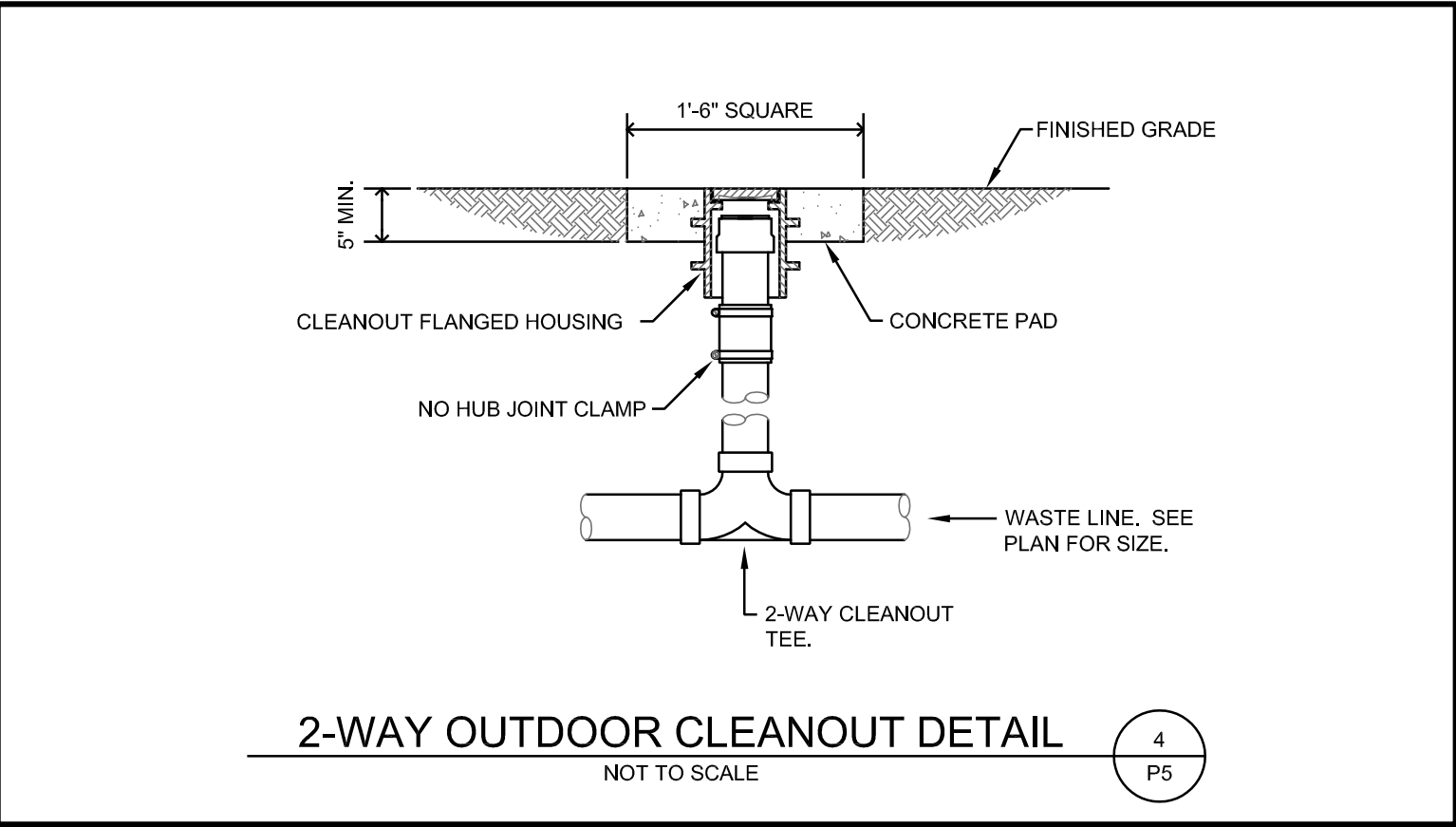
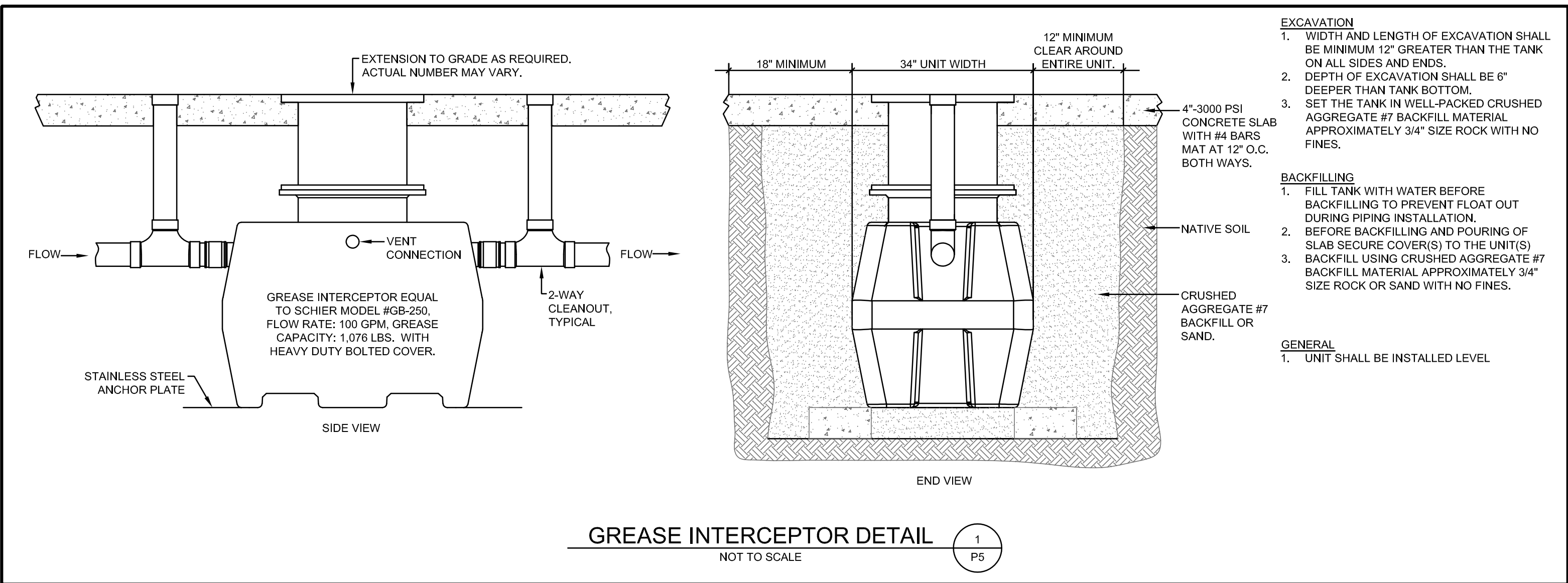
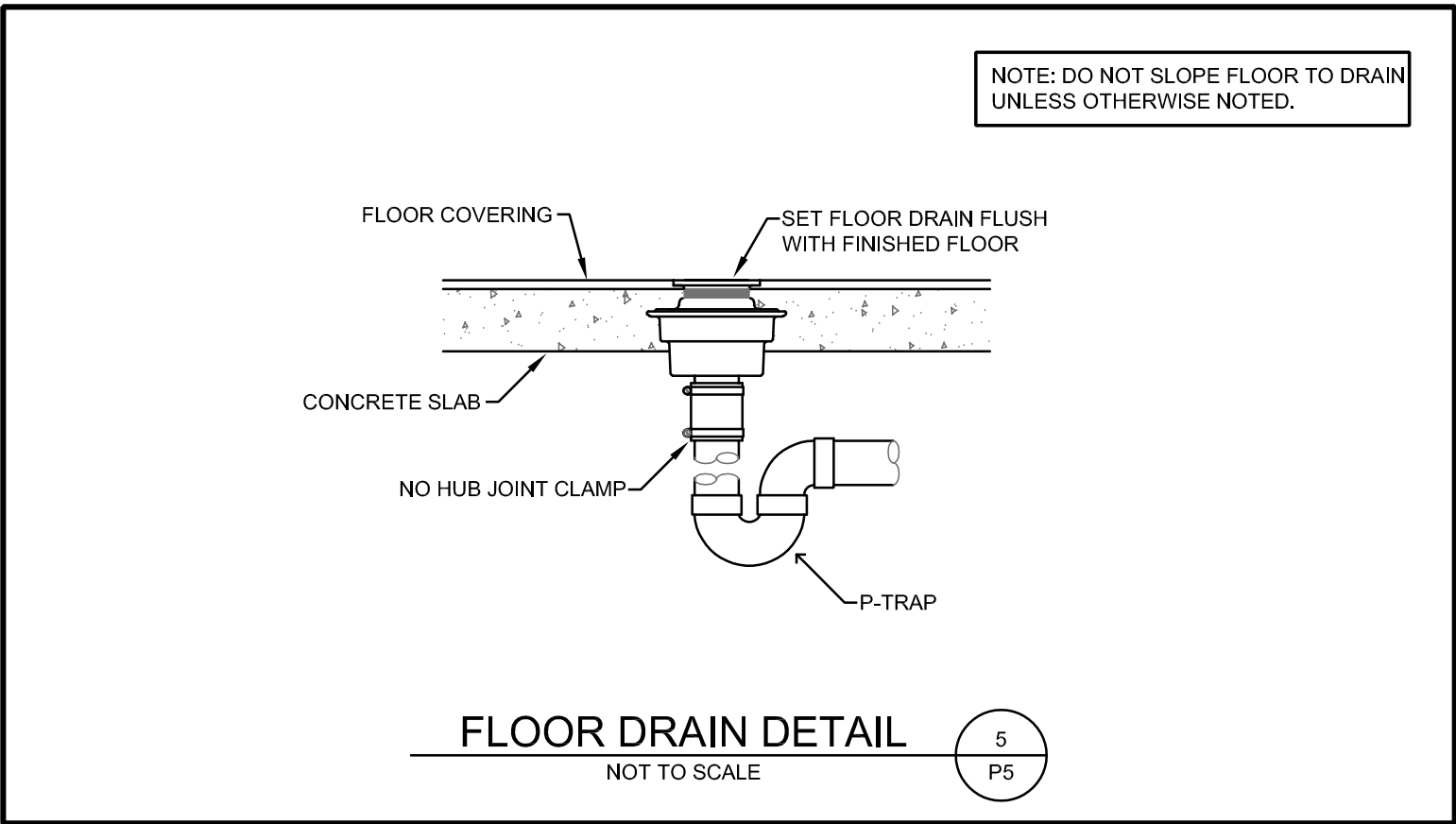
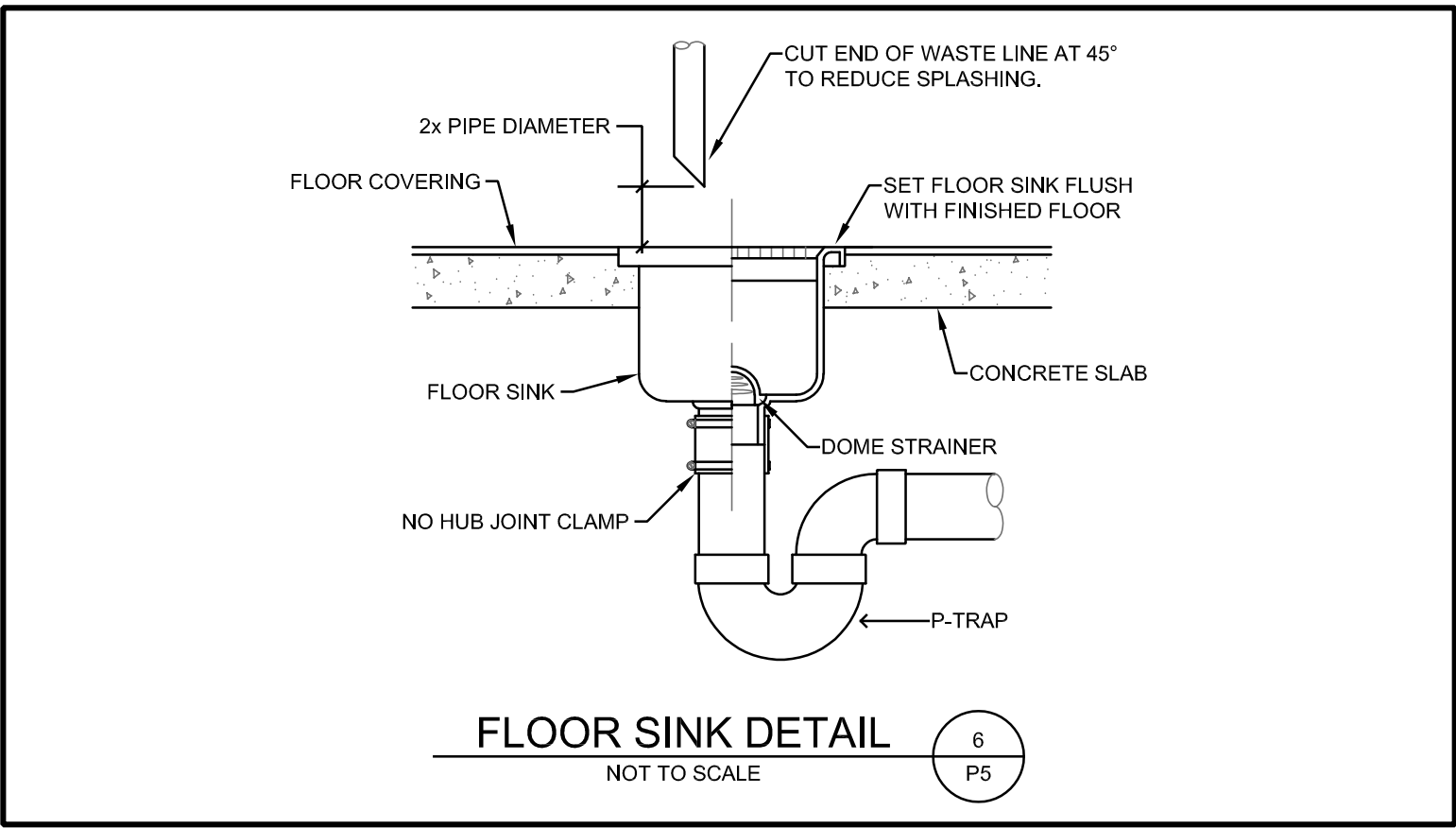
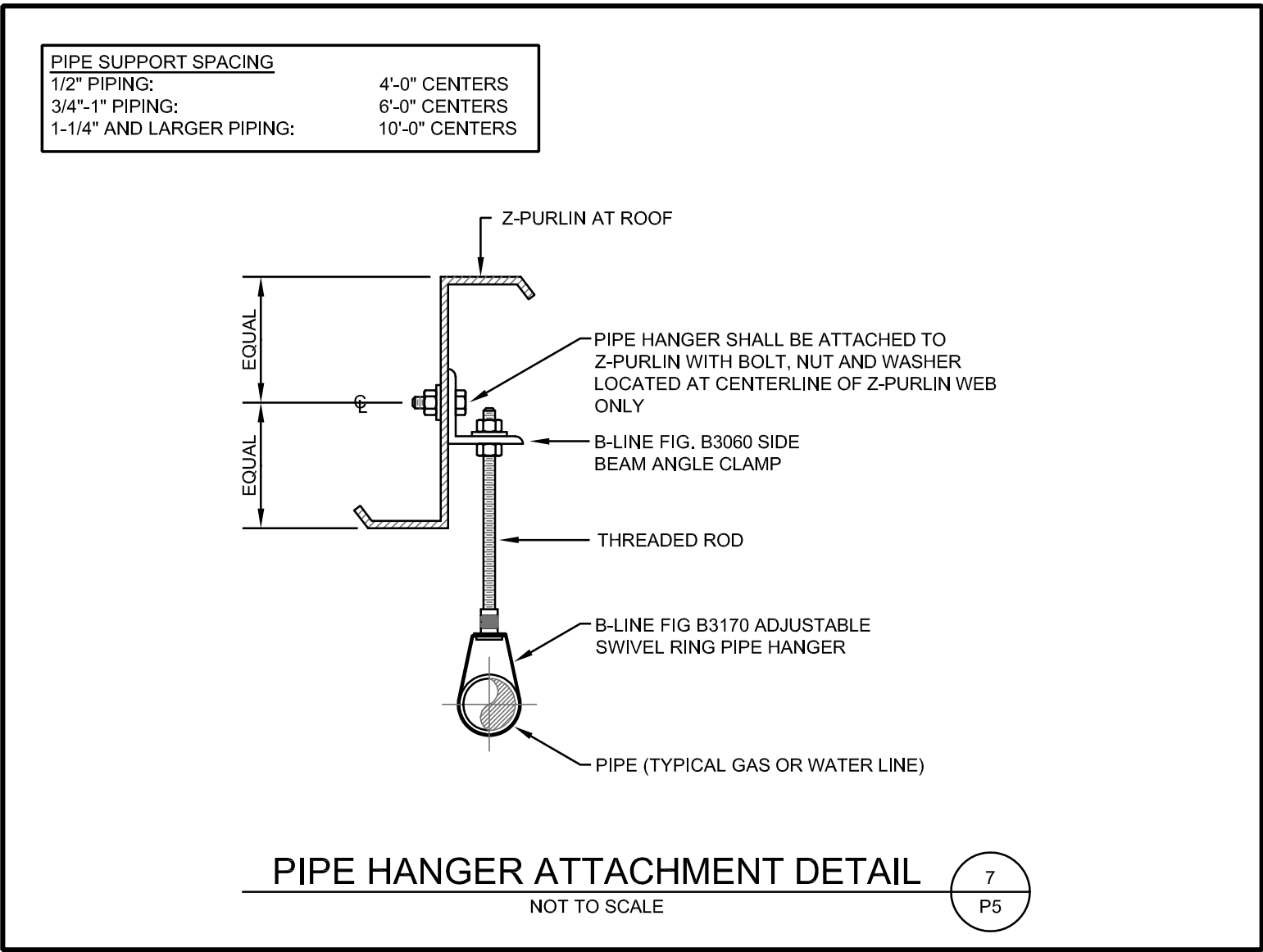
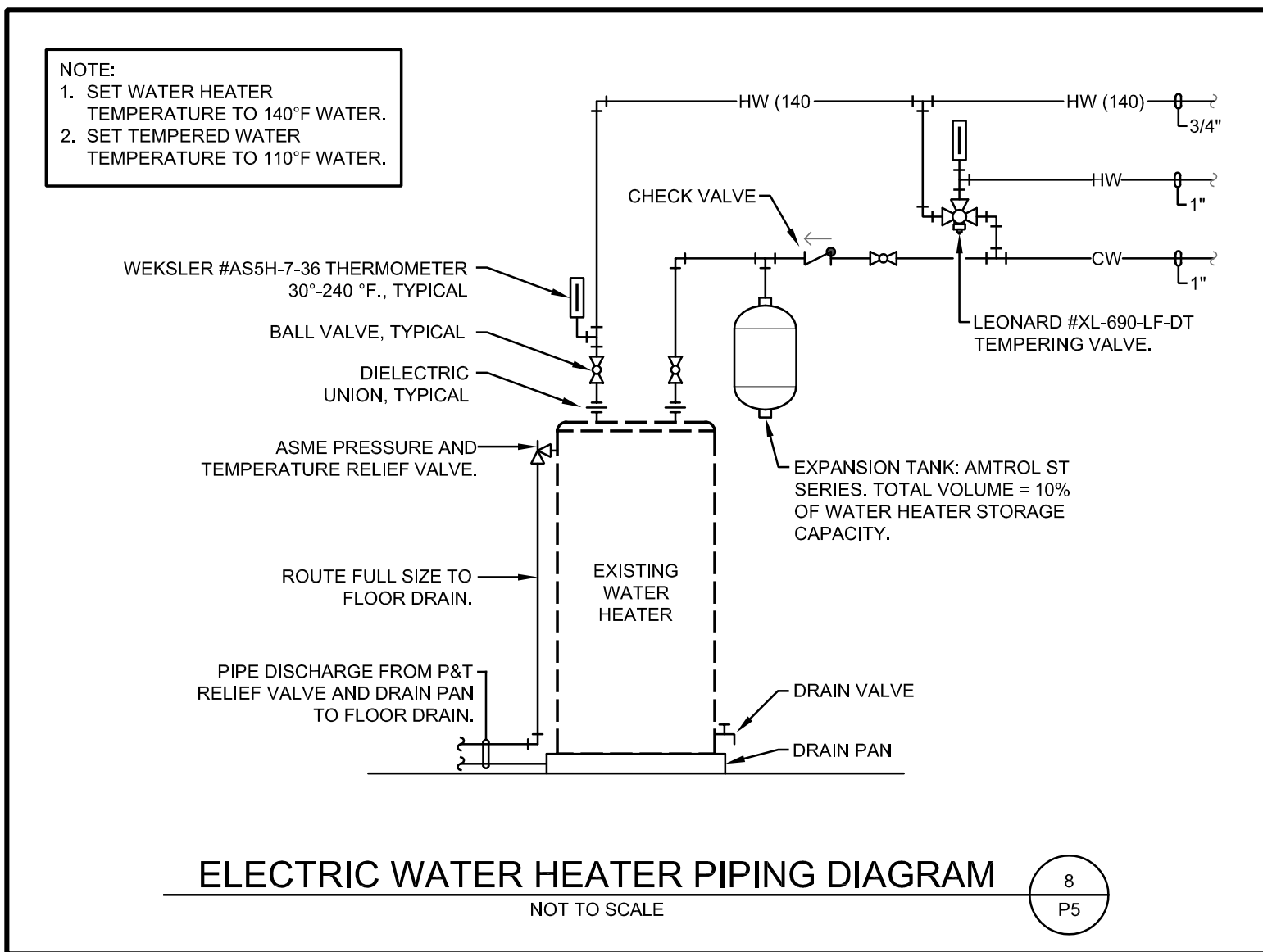
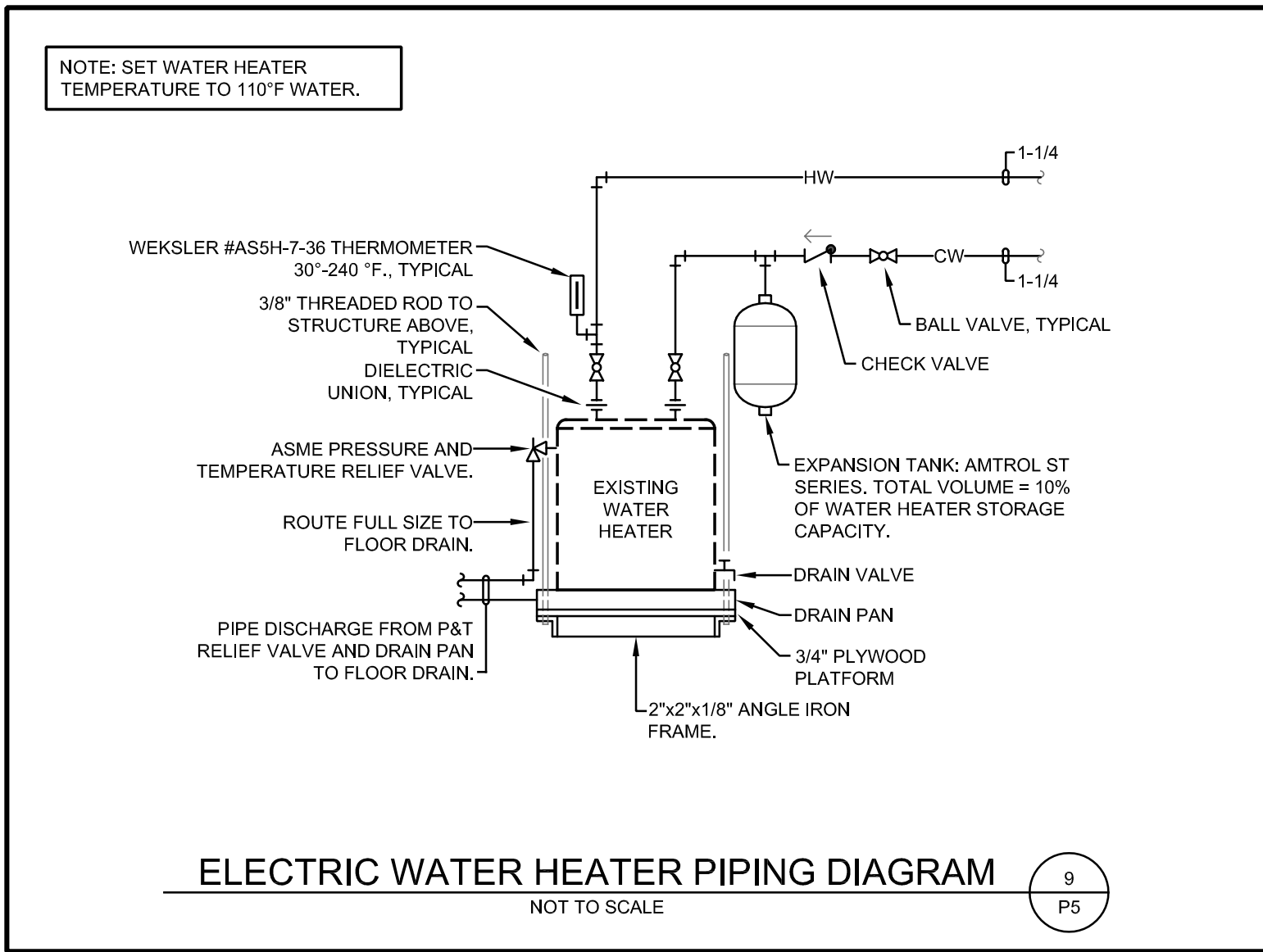
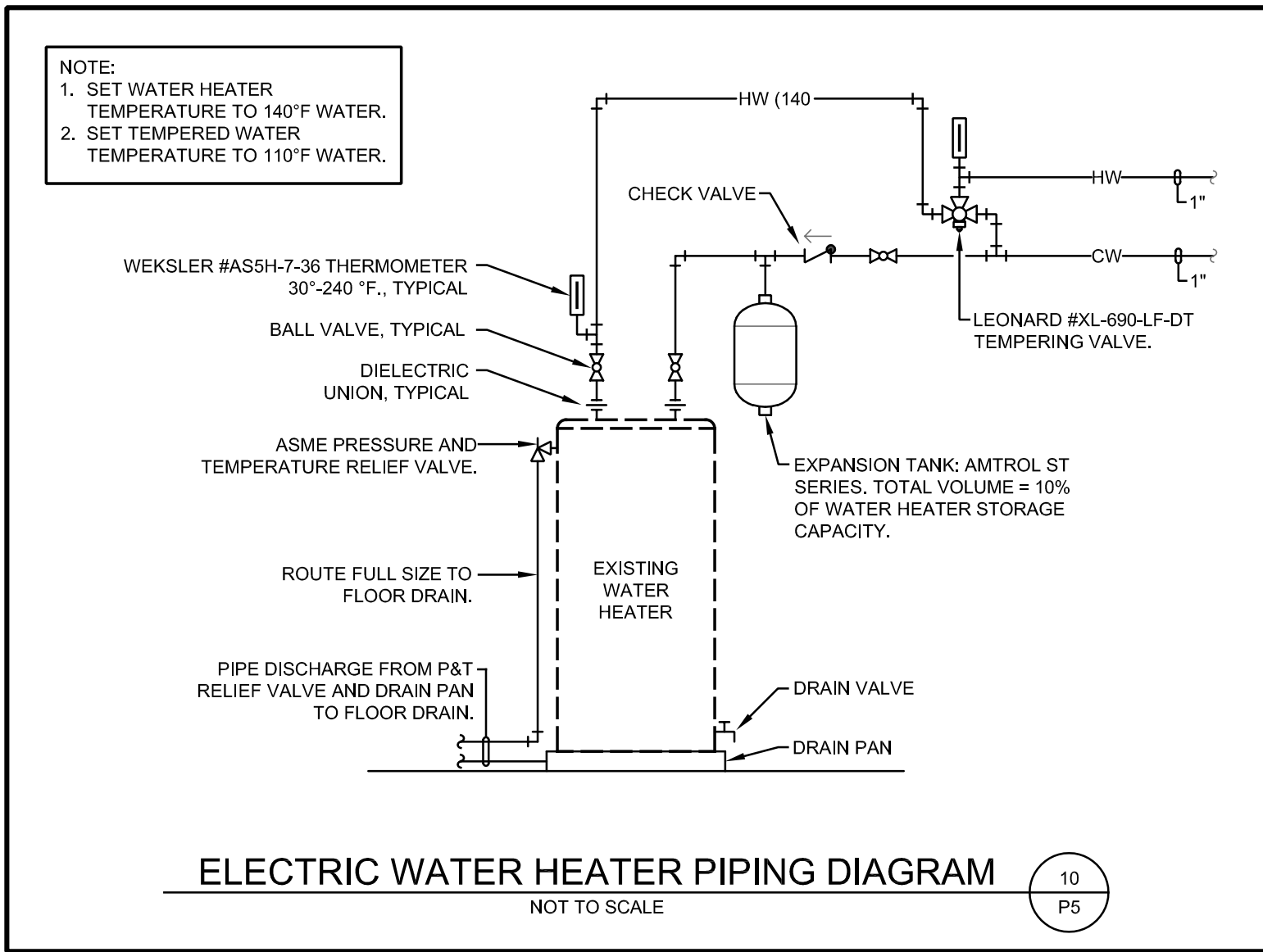
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| Date<br>1/4/17                                  |
| Scale<br>As Noted                               |
| Job Number<br>1627                              |
| Alternates &<br>Supply Piping Plan<br>South End |
| P4  |
| Base Bid 1 Renovation                           |

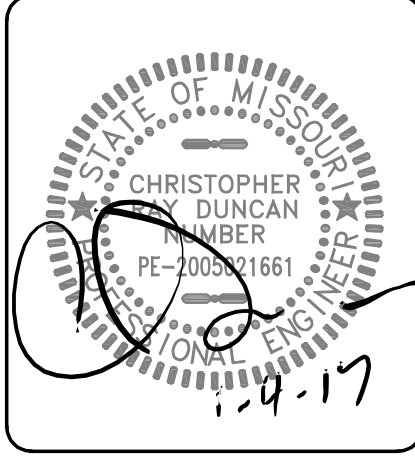




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ARCHITECTS, INC.  
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Joplin, Missouri 64804  
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fax: (417) 781-0884  
jeff@hunterandmillard.com  
website:  
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| Drawn By              | cdl      |
| Checked By            | cdl/kmc  |
| Date                  | 1/4/17   |
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| Job Number            | 1627     |
| Plumbing Details      |          |
| <b>P5</b>             |          |
| Base Bid 1 Renovation |          |



| PLUMBING FIXTURE SCHEDULE  |  |              |            |   |                     |        |        |  |  |
|--|--|--------------|------------|---|---------------------|--------|--------|--|--|
| MARK   | DESCRIPTION  | MANUFACTURER | MODEL NO.  | ACCESSORIES   | PIPING REQUIREMENTS |        |        | REMARKS  | APPROVED MANUFACTURERS                       |
|  |  |              |            |   | WASTE               | VENT   | SUPPLY |  |  |
| WCF  | WATER CLOSET<br>FLUSH VALVE TYPE<br>(FLOOR MOUNT)                        | TOTO         | CT705      | ZURN #ZER6000AV-1-CPM-WS1-YK SENSOR<br>OPERATED BATTERY POWERED FLUSH VALVE<br>WITH SOLID RING PIPE SUPPORT, CHURCH<br>#315SSC WHITE OPEN FRONT SEAT COMPLETE<br>WITH BOLT CAPS | 4"                  | 2"     | 1"     | --   | AMERICAN STANDARD, ZURN,<br>KOHLER AND CRANE |
| HWCf   | WATER CLOSET<br>HANDICAP ACCESSIBLE<br>FLUSH VALVE TYPE<br>(FLOOR MOUNT) | TOTO         | CT705L     | ZURN #ZER6000AV-1-CPM-WS1-YK SENSOR<br>OPERATED BATTERY POWERED FLUSH VALVE<br>WITH SOLID RING PIPE SUPPORT, CHURCH<br>#315SSC WHITE OPEN FRONT SEAT COMPLETE<br>WITH BOLT CAPS | 4"                  | 2"     | 1"     | --   | AMERICAN STANDARD, ZURN,<br>KOHLER AND CRANE |
| URN  | URINAL<br>(WALL MOUNT)   | TOTO         | UT447      | ZURN #ZER6003AV-CP-WS1-YK SENSOR<br>OPERATED BATTERY POWERED FLUSH VALVE<br>WITH SOLID RING PIPE SUPPORT AND JAY R.<br>SMITH #0710 FLOOR MOUNTED URINAL<br>SUPPORTS             | 2"                  | 1-1/2" | 3/4"   | --   | AMERICAN STANDARD, ZURN,<br>KOHLER AND CRANE |
| CLAV   | HANDICAP ACCESSIBLE<br>LAVATORY<br>(COUNTERTOP)                          | TOTO         | LT402.4    | CHICAGO FAUCET #2200-4E2805 CENTERSET<br>FAUCET WITH GRID DRAIN AND TRUEBRO LAV<br>GUARD 2 PIPE COVER   | 2"                  | 1-1/2" | 1/2"   | --   | AMERICAN STANDARD, ZURN,<br>KOHLER AND CRANE |
| FS   | FLOOR SINK<br>(12x12)  | ZURN         | Z1751      | DOME STRAINER, 8" SUMP DEPTH,<br>SEDIMENT BUCKET AND 1/2 GRATE  | 3"                  | 1-1/2" | --     | 16 GA. 304 SS CONST. OUTLET<br>SIZE SAME AS LINE | JAY R SMITH, JOSAM, MIFAB, WADE,<br>WATTS    |
| FD   | FLOOR DRAIN  | ZURN         | ZN415B     | 5" NICKLE BRONZE LIGHT DUTY STRAINER<br>AND "PROSET" SYSTEMS TRAP GUARD   | 2"                  | 1-1/2" | --     | --   | JAY R SMITH, JOSAM, MIFAB, WADE,<br>WATTS    |
| HBEX   | HOSE BIBB (EXTERIOR)   | WOODFORD     | MODEL 65   | WITH WALL CLAMP   | --                  | --     | 3/4"   | WITH VACUUM BREAKER                              | ZURN AND JAY R. SMITH                        |
| CO   | CLEANOUT (INTERIOR)  | ZURN         | ZN1400     | DURA-COATED CAST IRON BODY<br>W/POLISHED NICKEL BRONZE LIGHT<br>DUTY TOP  | SEE PLAN            | --     | --     | SAME SIZE AS LINE                                | JAY R SMITH, JOSAM, MIFAB, WADE,<br>WATTS    |
| COEX   | CLEANOUT (EXTERIOR)  | ZURN         | Z1474      | DURA-COATED CAST IRON   | SEE PLAN            | --     | --     | SAME SIZE AS LINE                                | JAY R SMITH, JOSAM, MIFAB, WADE,<br>WATTS    |
| IMB  | ICE MAKER BOX  | OATEY        | 38808      | QUARTER TURN VALVE  | --                  | --     | 1/2"   | 20 GA. STEEL BOX                                 | GUY GRAY                                     |
| WMB  | WASHING MACHINE BOX  | OATEY        | ELIMINATOR | CW & HW WATER HAMMER ARRESTORS  | 2"                  | 1-1/2" | 1/2"   | --   | GUY GRAY                                     |
| NOTES:<br>1. COORDINATE THE ROUGH-IN OF ALL PLUMBING FIXTURES WITH THE ARCHITECTURAL PLANS.<br>2. PROVIDE SERVICE VALVES ON ALL SUPPLY FIXTURES. |  |              |            |   |                     |        |        |  |  |

| KITCHEN PLUMBING REQUIREMENT SCHEDULE |       |      |          |        |                |  |
|---------------------------------------|-------|------|----------|--------|----------------|--|
| MARK                                  | ITEM  | SIZE | LOCATION | A.F.F. | SERVICE TO     | REMARKS  |
| P01                                   | CW/HW | 1/2" | WALL     | 18"    | 3 COMP SINK    | PIPE 3/4" CW AND 3/4" HW TO SINK               |
| P02                                   | CW/HW | 1/2" | WALL     | 18"    | 2 COMP SINK    | PIPE 1/2" CW AND 1/2" HW TO SINK               |
| P03                                   | CW    | 1/2" | WALL     | 12"    | STEAMERS       | PIPE 1/2" CW THROUGH FILTER TO STEAMERS        |
| P04                                   | CW    | 1/2" | WALL     | 48"    | COFFEE MACHINE | PIPE 1/2" CW THROUGH FILTER TO ICE MACHINE BOX |
| P05                                   | CW    | 1/2" | WALL     | 18"    | ICE MACHINE    | PIPE 1/2" CW THROUGH FILTER TO ICE MACHINE BOX |
| P06                                   | HW    | 3/4" | WALL     | 18"    | DISH MACHINE   | PIPE 3/4" HW TO DISH MACHINE                   |
| P07                                   | CW/HW | 1/2" | WALL     | 12"    | PREP SINK      | PIPE 1/2" CW AND 1/2" HW TO SINK               |

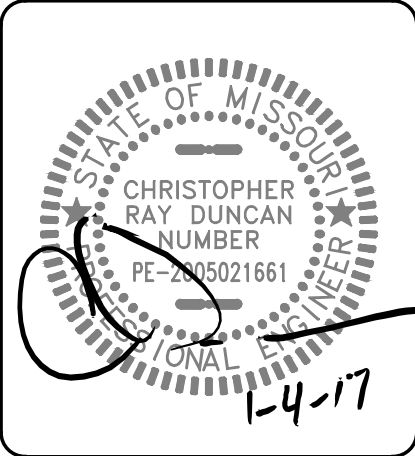


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3015 SOUTH FORT AVENUE | SUITE D  
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Conference Center Renovations

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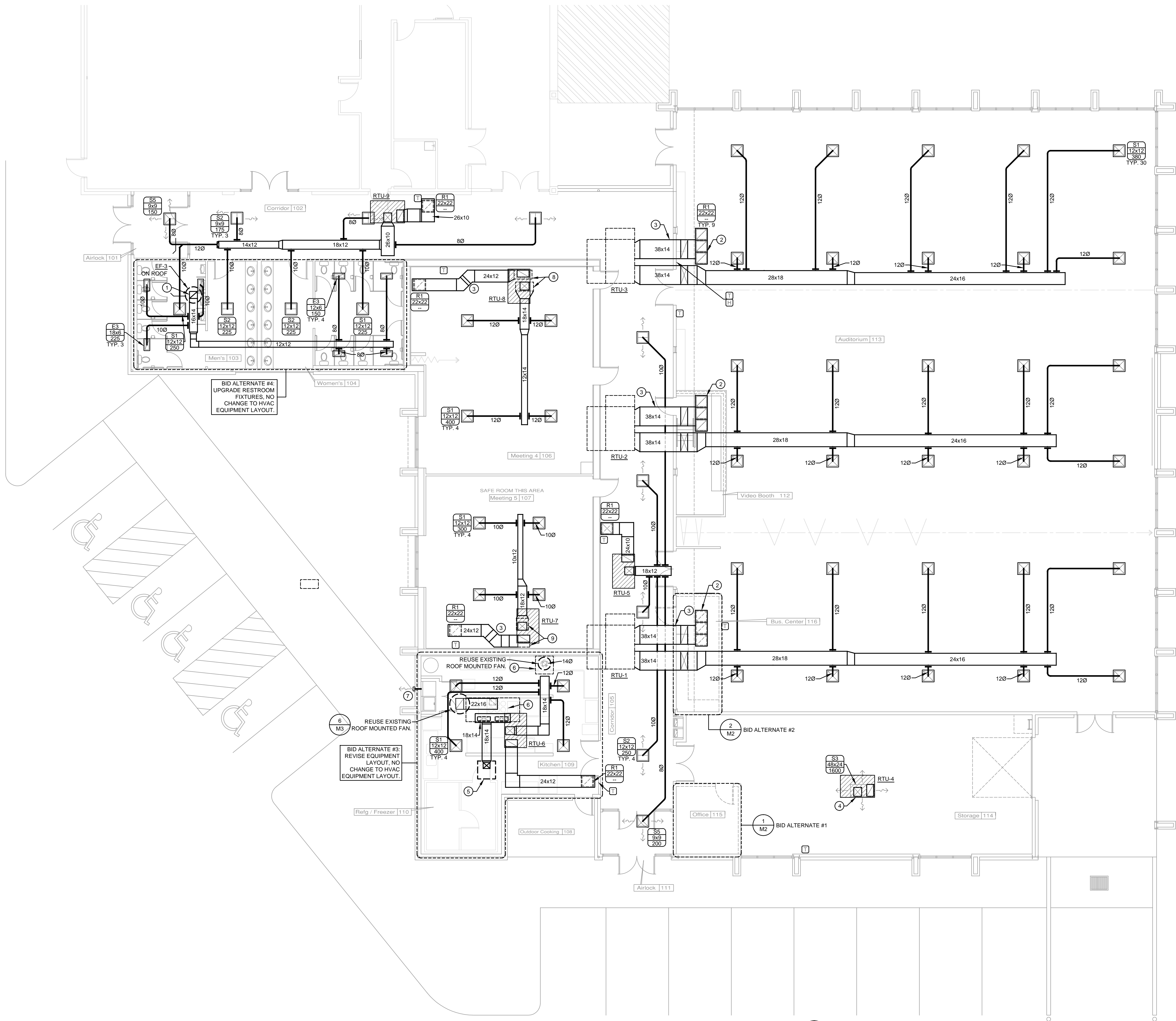
Scale  
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Job Number  
1627

Plumbing Schedules

P6

Base Bid 1 Renovation



HVAC PLAN - NORTH END  
SCALE: 1/8" = 1'-0"



KEY NOTES

- INDICATED BY SYMBOLS ①, ②, ETC.
- 16x14 EXHAUST DUCT UP THROUGH ROOF.
  - 24x72x20 PLENUM BOX.
  - RETURN DUCT SHALL BE INTERNALLY LINED WITH ACOUSTICAL INSULATION.
  - 16x16 SUPPLY AND RETURN DUCTS DOWN TO CONCENTRIC DIFFUSER. SEE DETAIL 3/M3.
  - REUSE EXISTING MAKE UP AIR SYSTEM. FIELD VERIFY EXISTING DUCT SIZES PRIOR TO DEMOLITION. MATCH EXISTING DUCT SIZES AND CONNECTIONS TO HOODS IN NEW CONSTRUCTION. SEE DETAIL 7/M3.
  - REUSE EXISTING HOOD AND ASSOCIATED EXHAUST FAN. FIELD VERIFY EXISTING GREASE DUCT SIZES PRIOR TO DEMOLITION. MATCH EXISTING DUCT SIZES AND CONNECTIONS TO HOODS IN NEW CONSTRUCTION. SEE DETAIL 5/M3 AND DETAIL 6/M3.
  - EXTEND 4" DRYER VENT THROUGH WALL TO WALL MOUNT DRYER VENT WITH BACKDRAFT DAMPER. SCREEN OVER OPENING IS NOT PERMITTED. PAINT TO MATCH EXTERIOR.
  - FEMA 361 GRILLES FOR RTU SUPPLY AND RETURN DUCT ROOF PENETRATIONS SHALL BE 36x18. REF 1/M4.
  - FEMA 361 GRILLES FOR RTU SUPPLY AND RETURN DUCT ROOF PENETRATIONS SHALL BE 24x24. REF 1/M4.

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2012 EDITION OF THE INTERNATIONAL MECHANICAL CODE.
- DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS OR FIELD MEASUREMENTS FOR DIMENSIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE COMPLETE SET OF PLANS FOR WORK PERTAINING TO HIS DISCIPLINE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLANS, WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
- THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS WORK WITH THE WORK OF OTHER SUBCONTRACTORS OF THE PROJECT. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL DEVICES REQUIRED TO ACHIEVE THE SEQUENCE OF OPERATIONS.
- ALL ROOF AND WALL PENETRATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. PROVIDE ALL REQUIRED SLEEVES, FLASHINGS, CURBS, REINFORCING ANGLES, SUPPORTING FRAMES, ETC. UNLESS THEY ARE SPECIFICALLY CALLED OUT TO BE FURNISHED BY OTHERS.
- THE HVAC SYSTEM SHALL BE BALANCED BY THE CONTRACTOR TO WITHIN 10% OF THE DESIGN FLOW RATES AND A TEST REPORT SHALL BE SUBMITTED TO THE ENGINEER'S OFFICE. A CERTIFIED TEST & BALANCE IS NOT REQUIRED. HOWEVER, THE TEST PROCEDURES AND RESULTING REPORT SHALL FOLLOW NEBB STANDARDS.
- THE ELECTRICAL SYSTEM DESIGN IS BASED IN PART ON THE SPECIFIED HVAC EQUIPMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE ELECTRICAL REQUIREMENTS OF THE HVAC EQUIPMENT BEING FURNISHED. ANY CHANGES TO THE ELECTRICAL SYSTEM DUE TO HVAC EQUIPMENT OTHER THAN THE SPECIFIED EQUIPMENT BEING FURNISHED SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
- THE CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING DURING PERIOD OF CONSTRUCTION. VERIFY ALL POSSIBLE SCHEDULING CONFLICTS WITH THE OWNER'S REPRESENTATIVE.
- CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC. INSULATE PIPING WITH 1/2" AP ARMAFLEX (UNSLIT TUBES). SEAL JOINTS PER MANUFACTURER'S RECOMMENDATIONS.
- REFRIGERANT PIPING SHALL BE TYPE ACR HARD COPPER. INSULATE SUCTION AND LIQUID LINES WITH 1/2" AP ARMAFLEX (UNSLIT TUBES). SEAL JOINTS PER MANUFACTURER'S RECOMMENDATIONS.
- ALL HVAC EQUIPMENT LOCATED ON THE ROOF TO BE INSTALLED A MINIMUM OF 10'-0" FROM THE EDGE OF THE ROOF.

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HVAC Plan  
North End  
**M1**  
Base Bid 1 Renovation

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INDICATED BY SYMBOLS (1), (2), ETC.

1. REPLACE EXISTING UNIT PER SCHEDULE UTILIZING EXISTING CURBS, DUCT, AND WIRING. CURB ADAPTORS MAY BE REQUIRED. FIELD VERIFY PRIOR TO PURCHASING EQUIPMENT. FIELD VERIFY THE EXISTING BREAKER AND WIRE ARE THE SAME AS REQUIRED FOR THE NEW UNITS. IF BREAKER AND WIRING ARE DIFFERENT THAN REQUIRED FOR NEW UNITS CONTACT THE MECHANICAL ENGINEER OF RECORD FOR FURTHER INSTRUCTIONS.
2. RELOCATE EXISTING AIR DEVICES AS INDICATED. CLEAN AND REPAIR AS NECESSARY.
3. 100 EXHAUST DUCT UP THROUGH ROOF TO RELIEF VENTILATOR EQUAL TO "COOK" MODEL PR-12. SEE DETAIL 10/M3. ADJUST LOCATION AS NECESSARY TO MAINTAIN 10' FROM ANY OUTSIDE AIR INTAKES.
4. CONNECT TO EXISTING DUCT IN THIS APPROXIMATE LOCATION. FIELD VERIFY.

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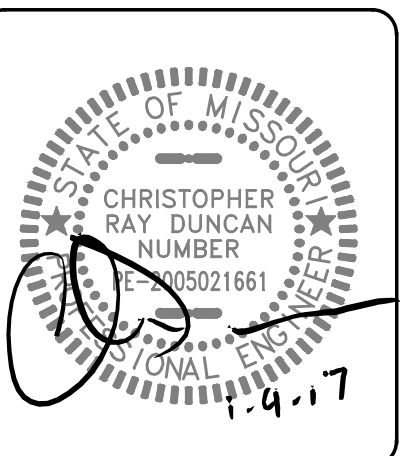
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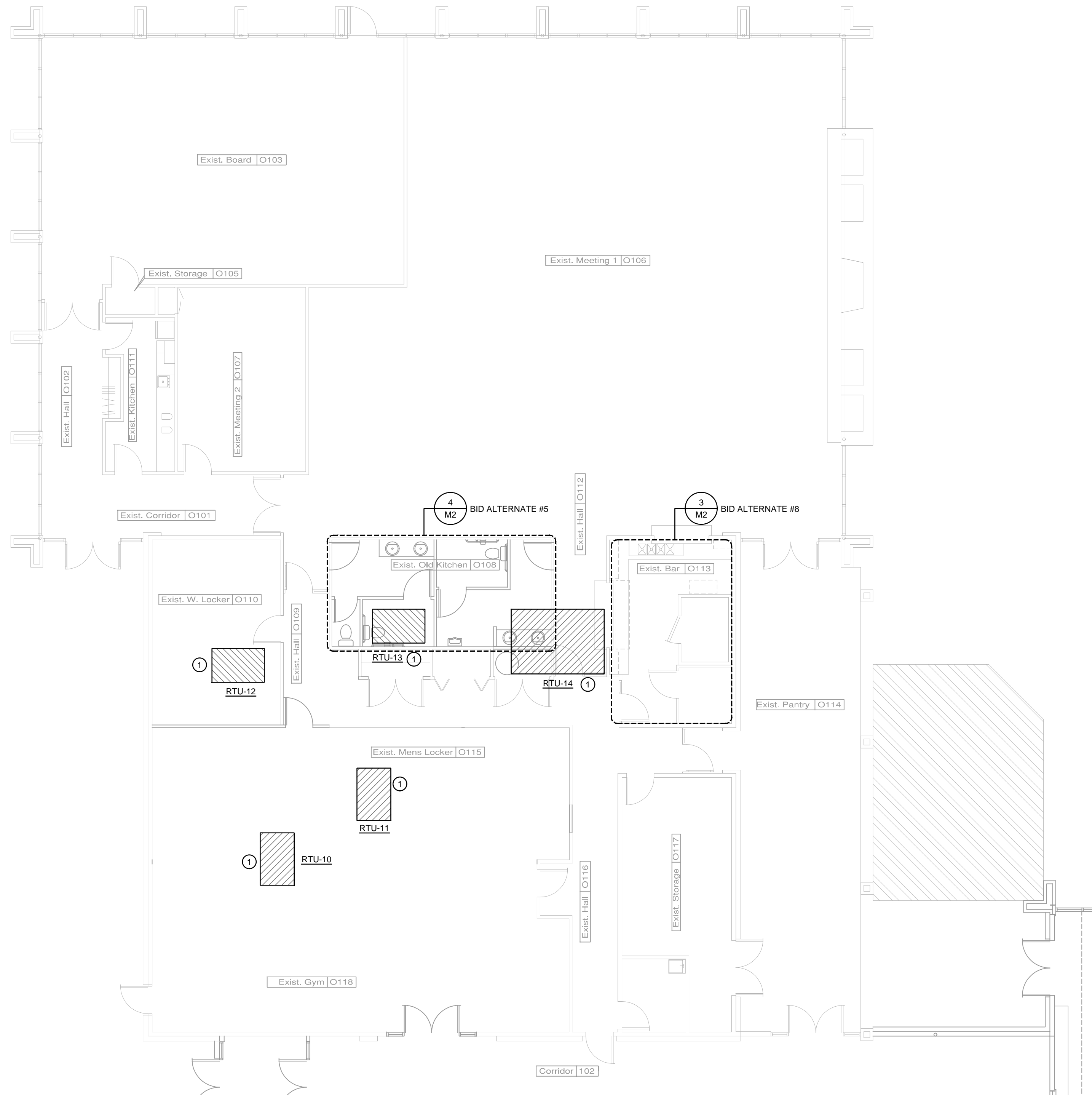
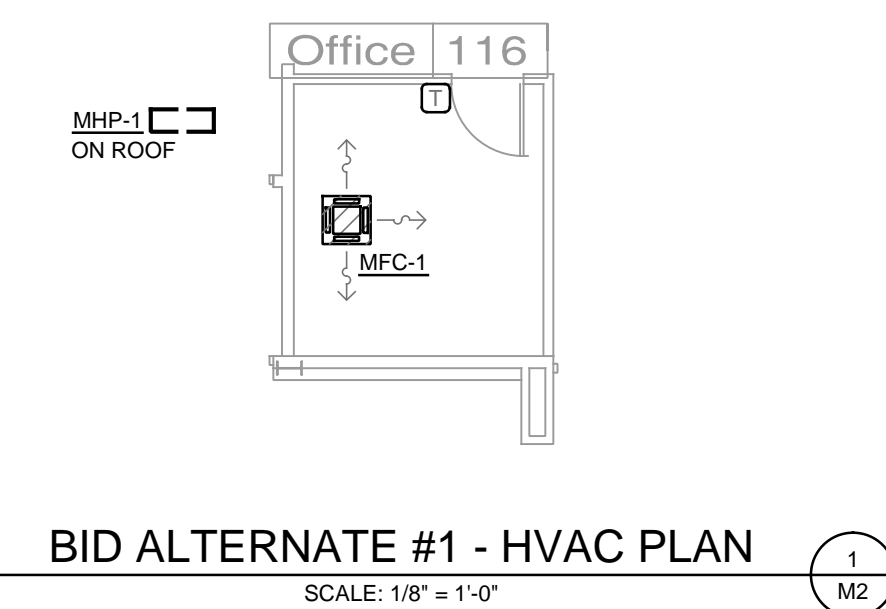
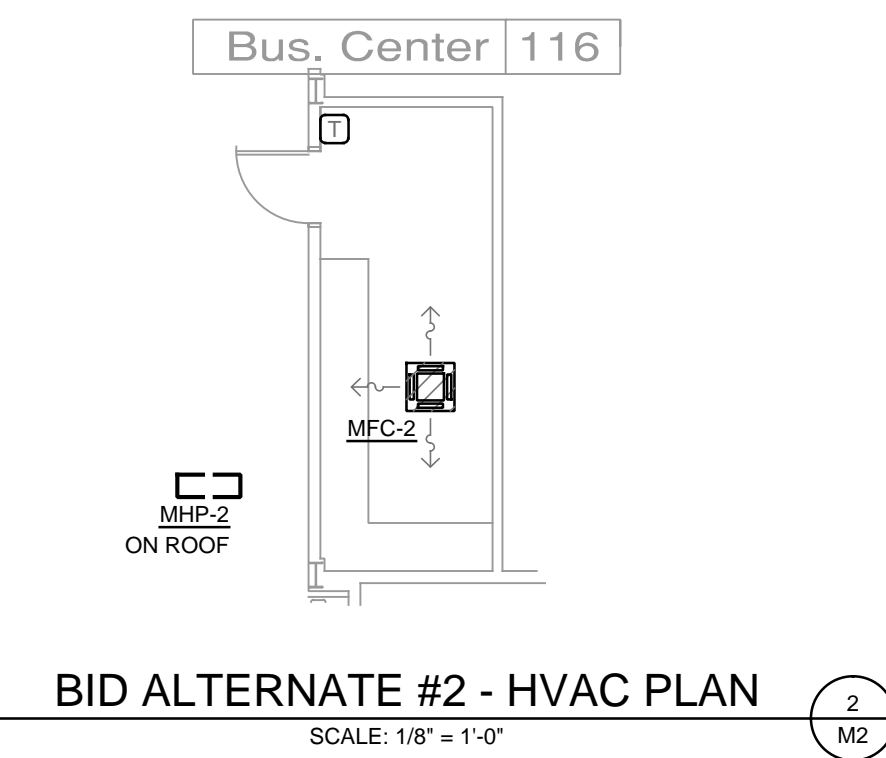
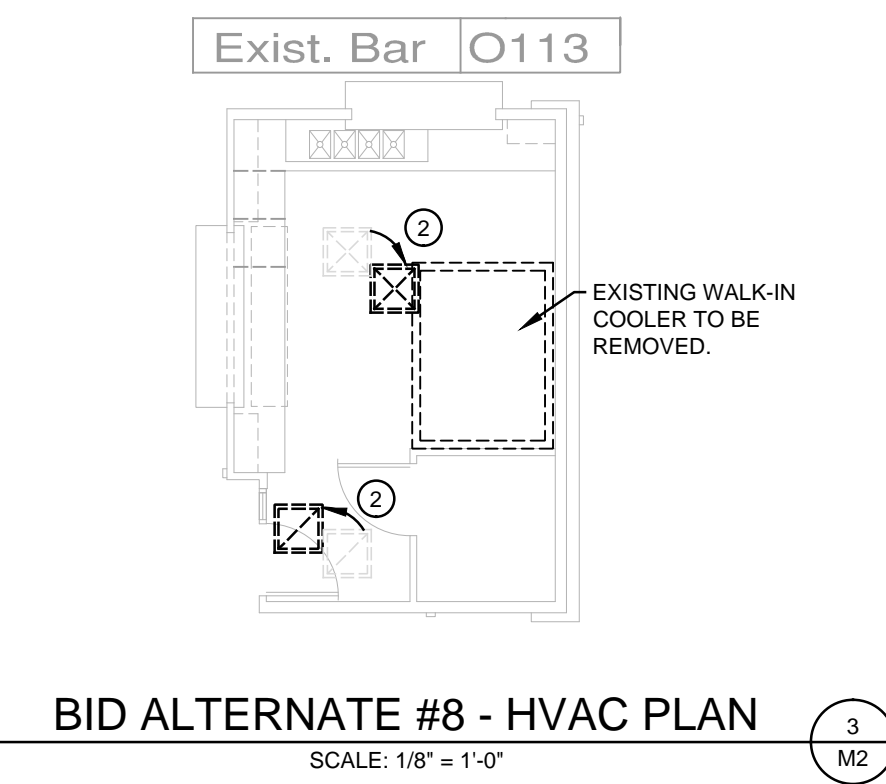
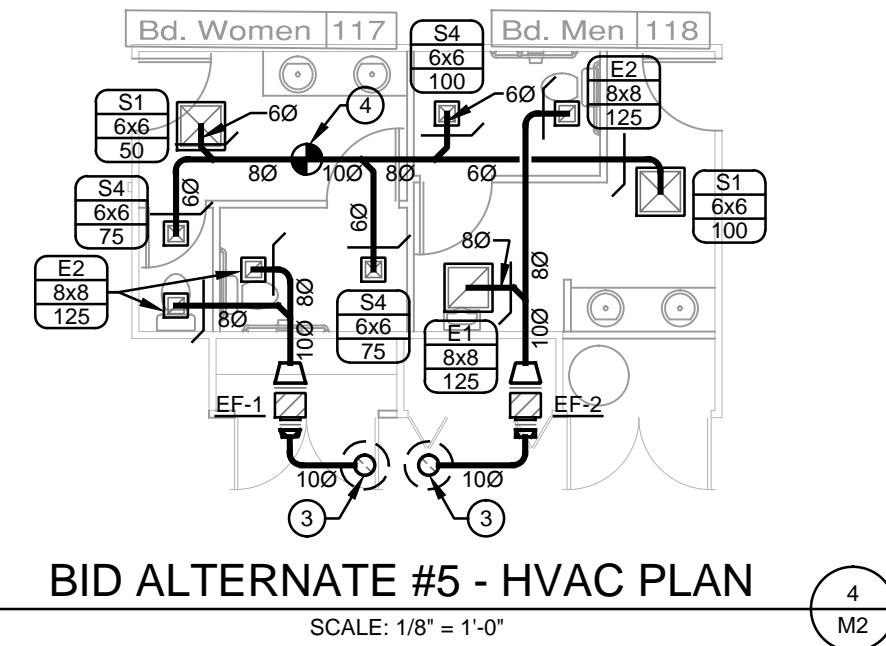
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#1 Leggett Road Carthage, MO

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|--|
| Drawn By<br><i>cdi</i>   |
| Checked By<br><i>crd/knc</i>   |
| Date<br><i>1/4/17</i>  |
| Scale<br><b>As Noted</b>   |
| Job Number<br><b>1627</b>  |
| Alternates &<br>HVAC Plan<br>South End<br><b>M2</b><br>Base Bid 1 Renovation |



HVAC PLAN - SOUTH END

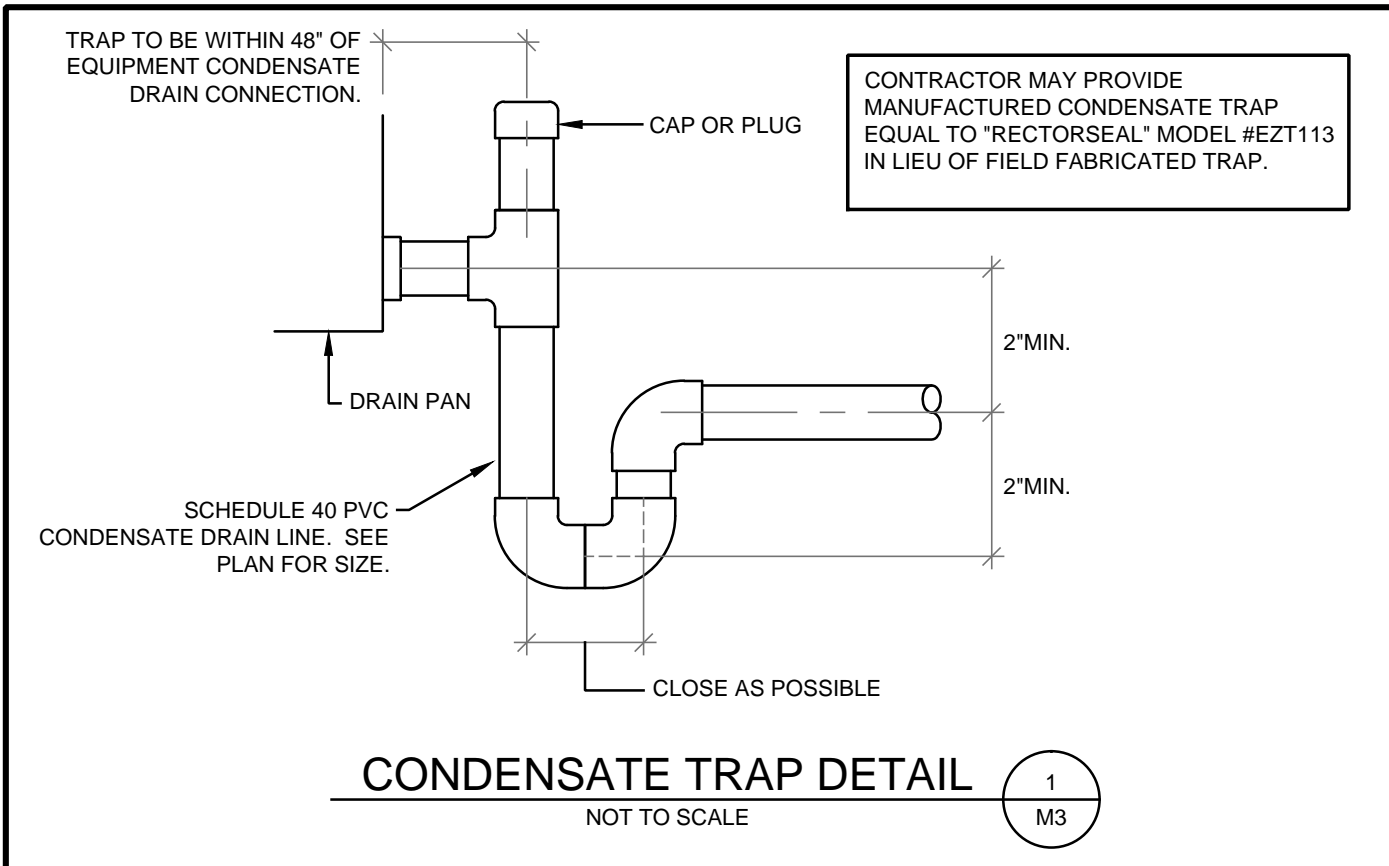
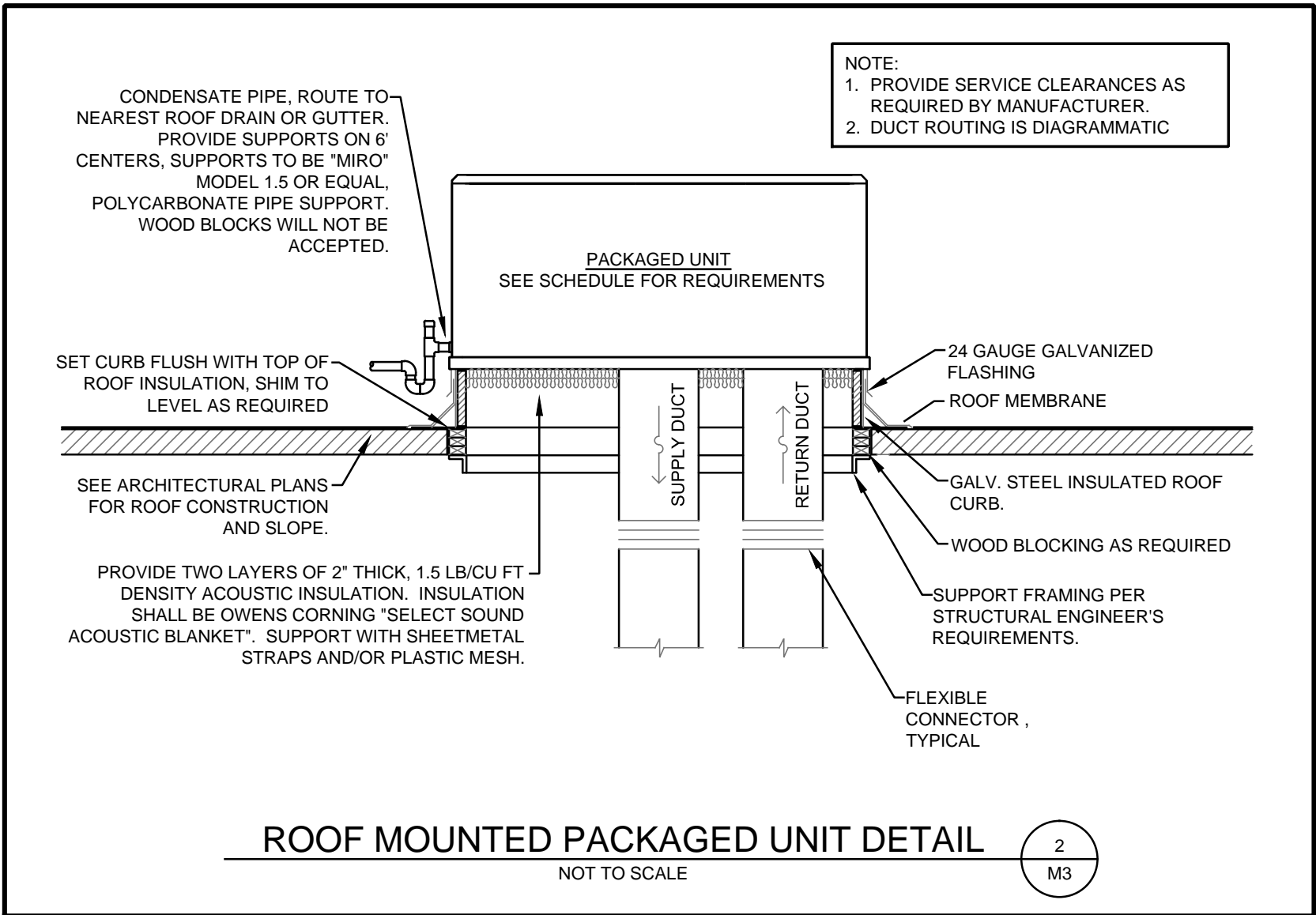
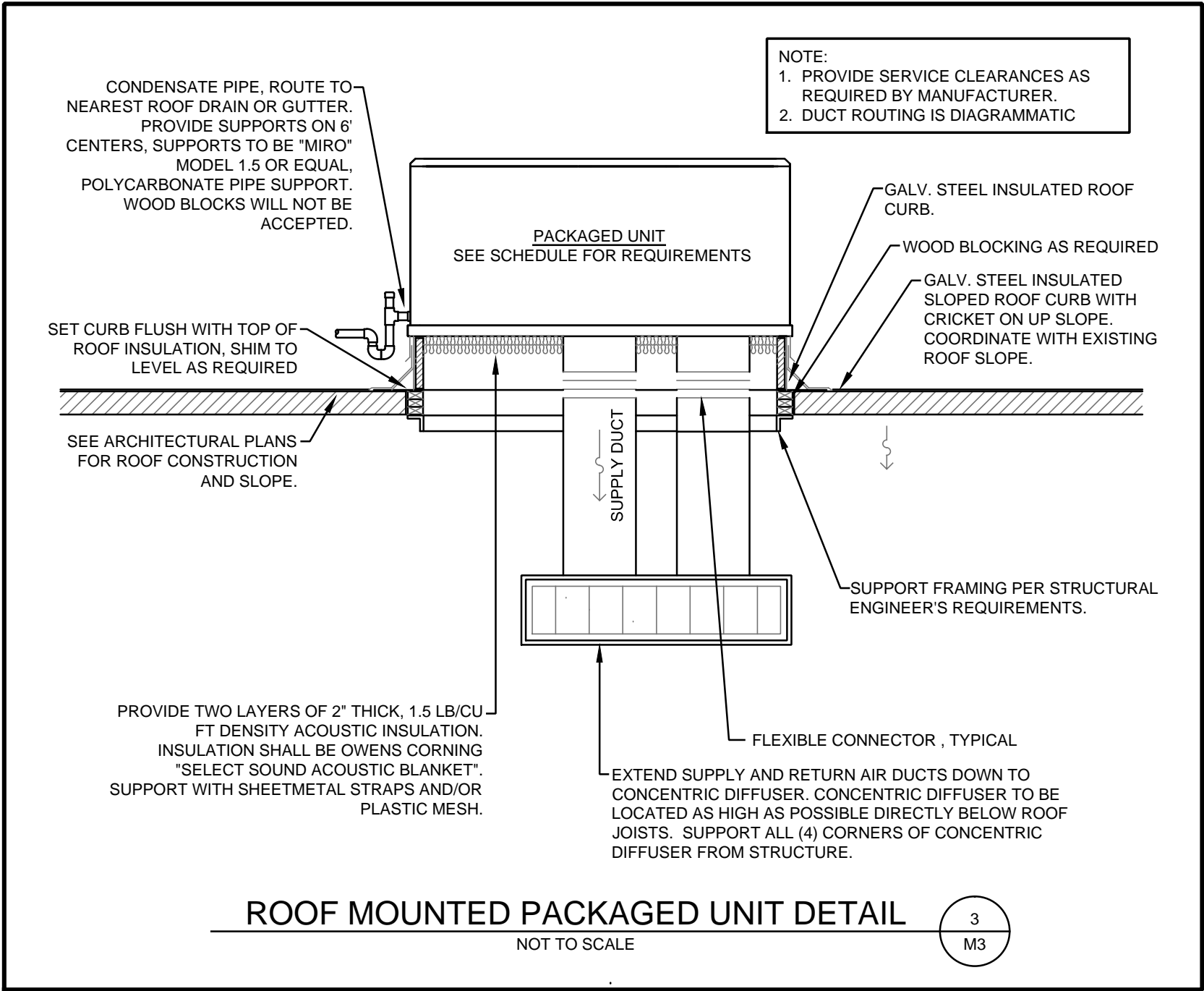
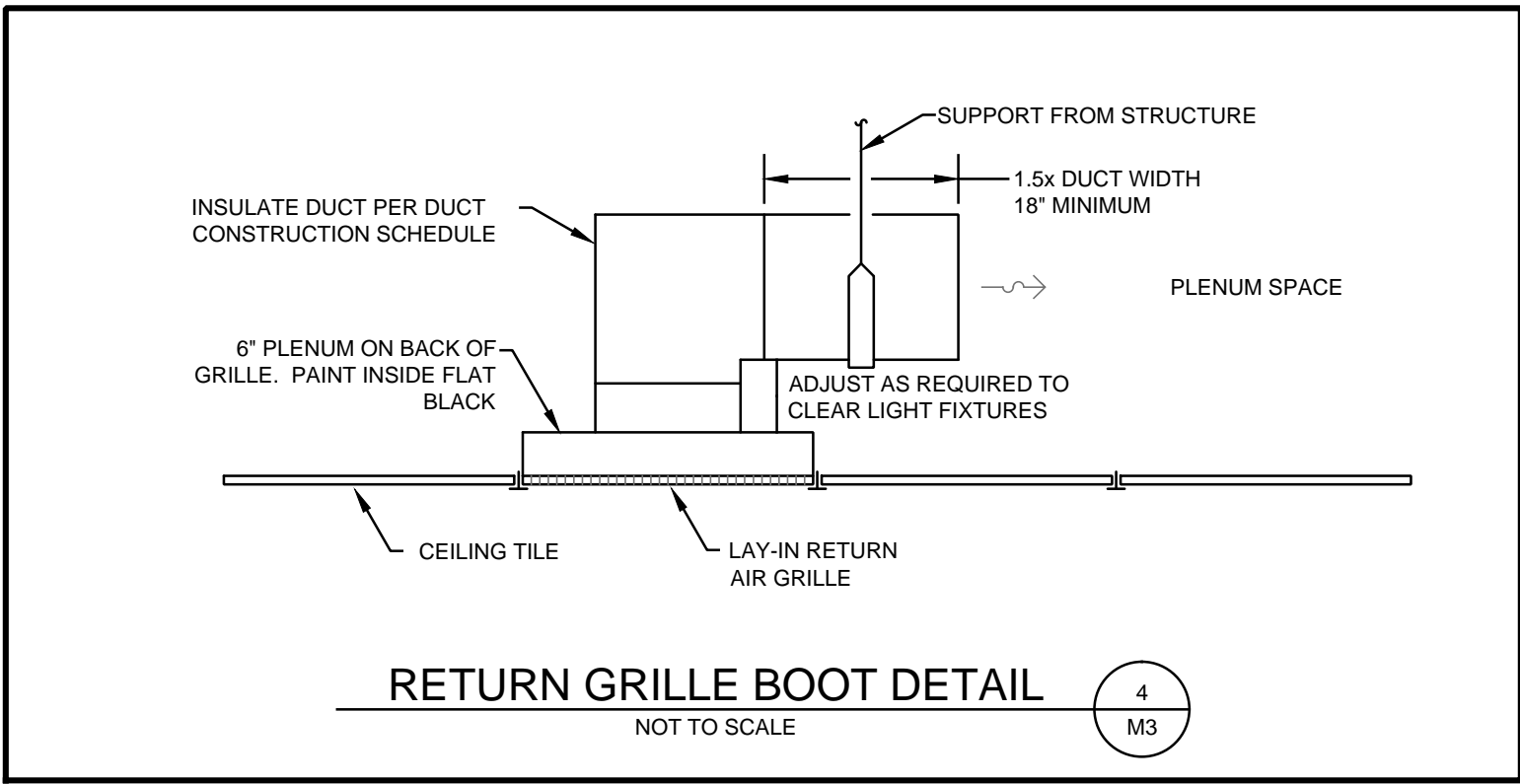
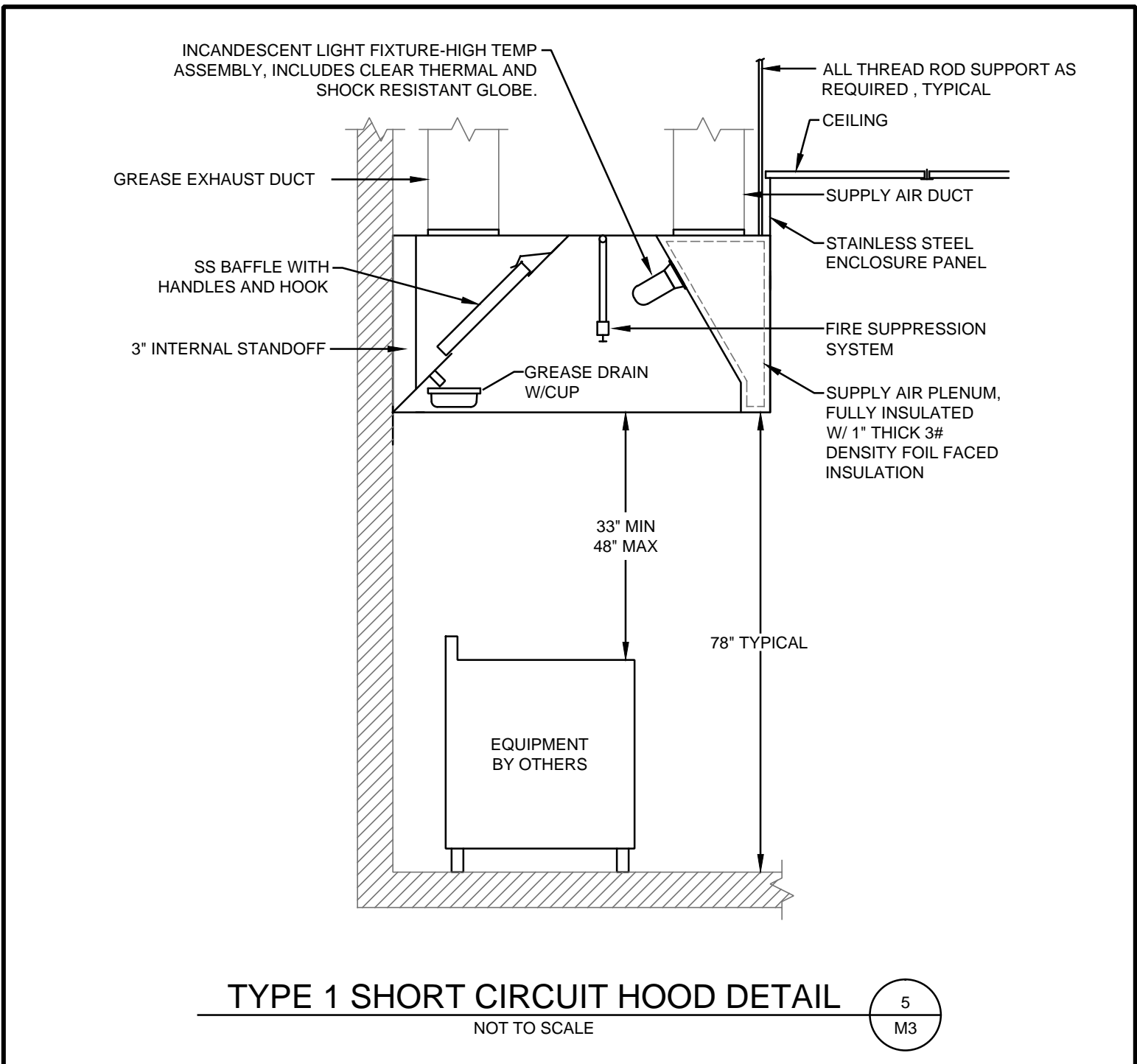
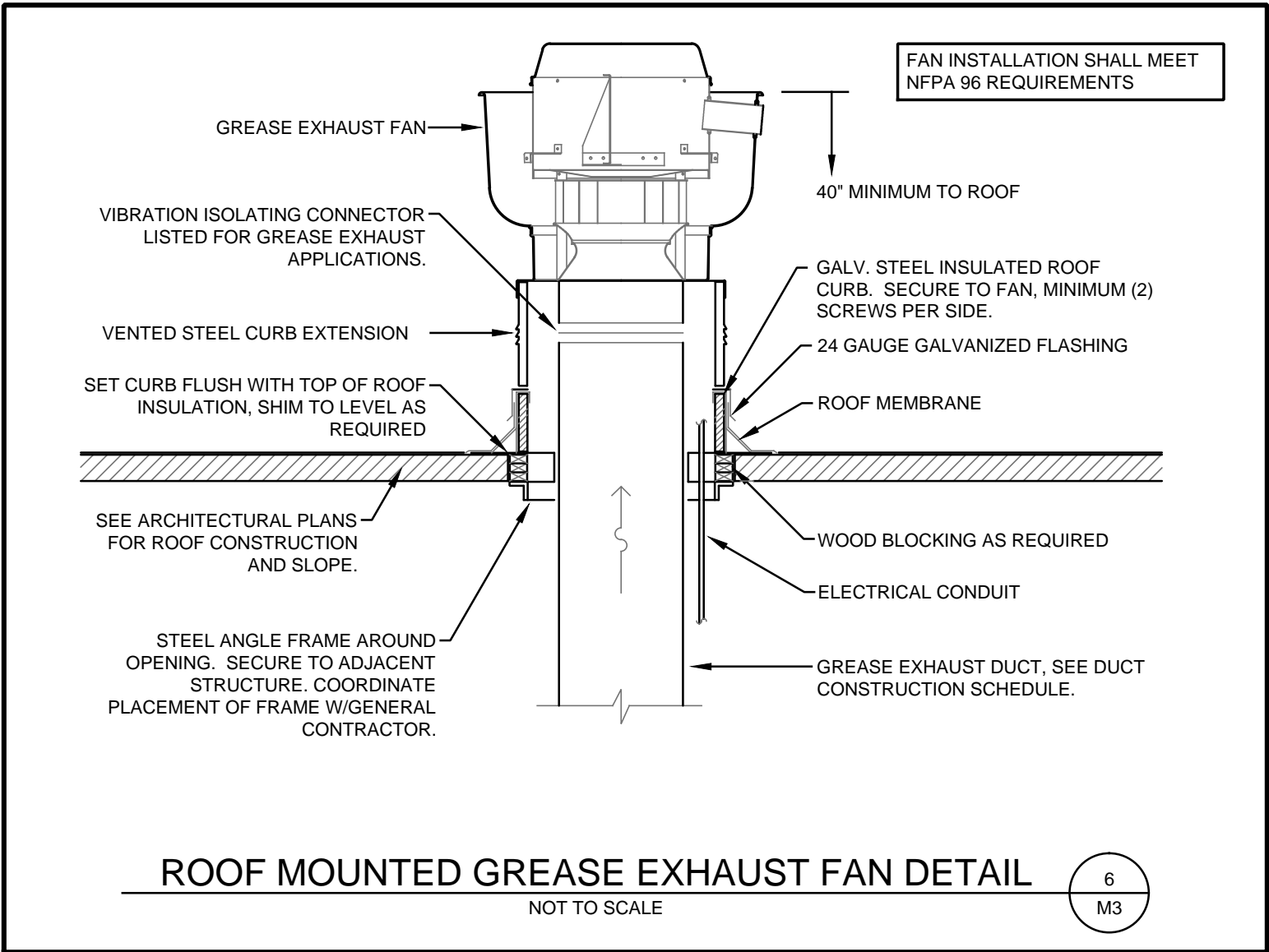
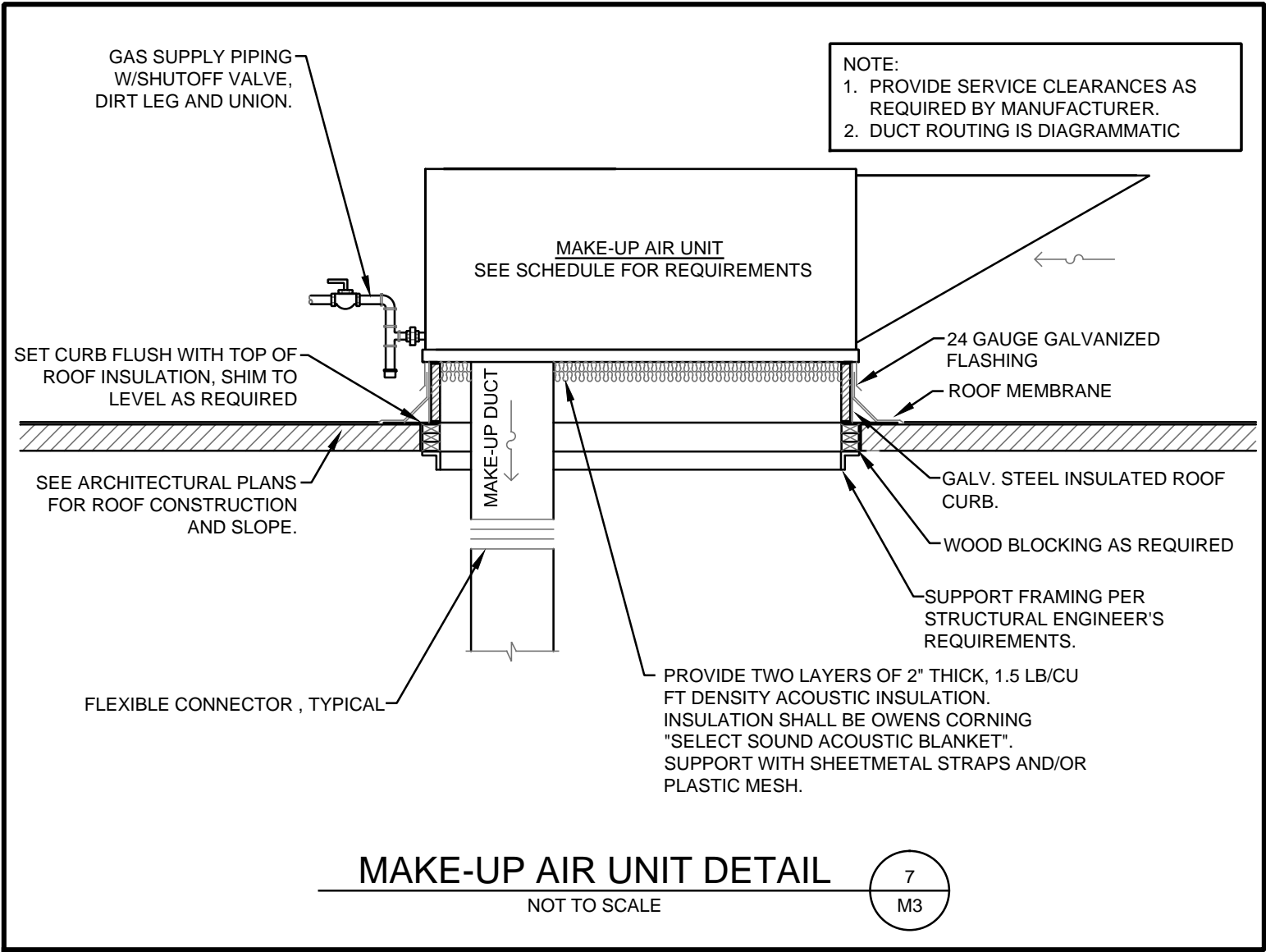
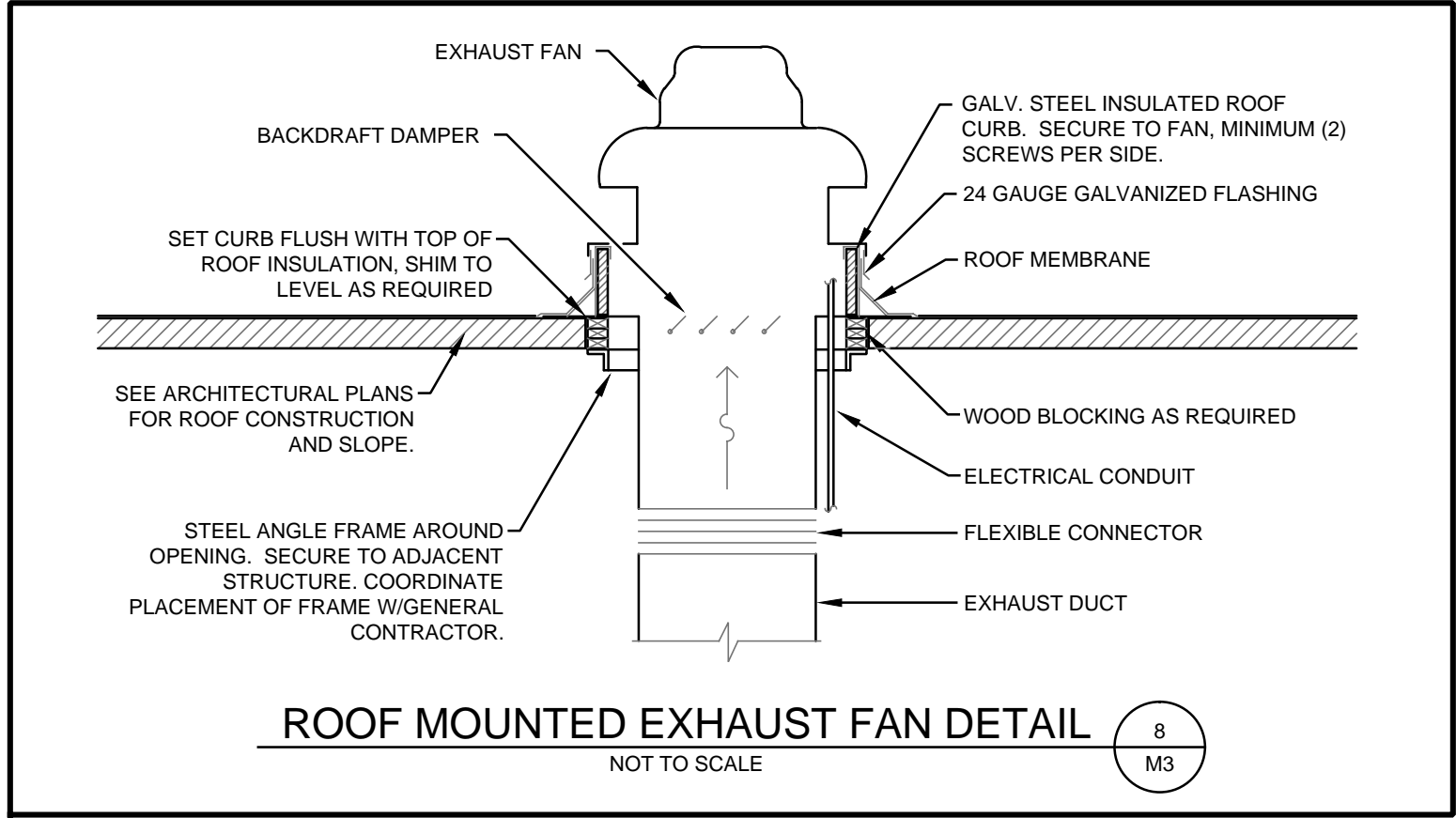
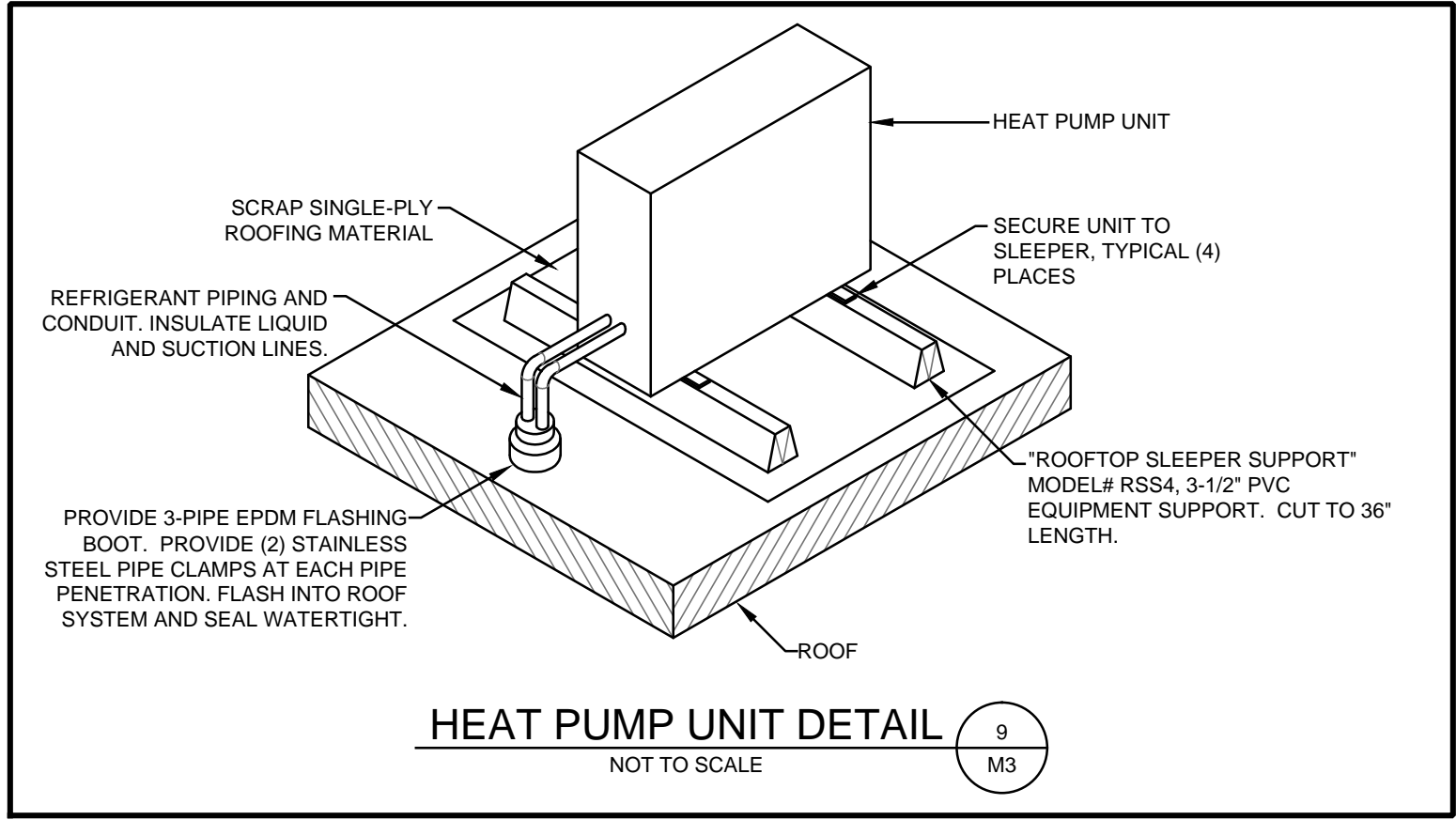
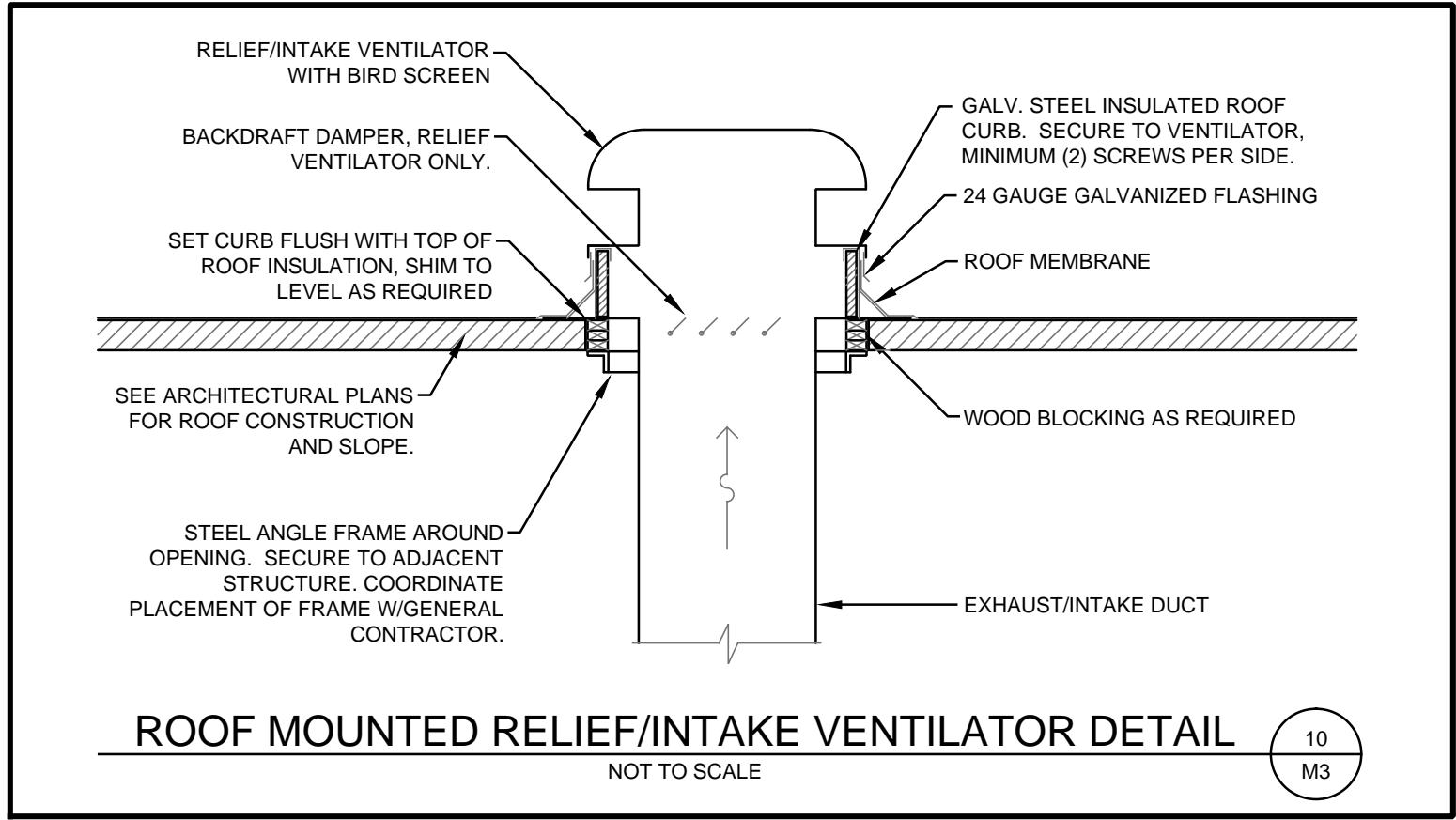
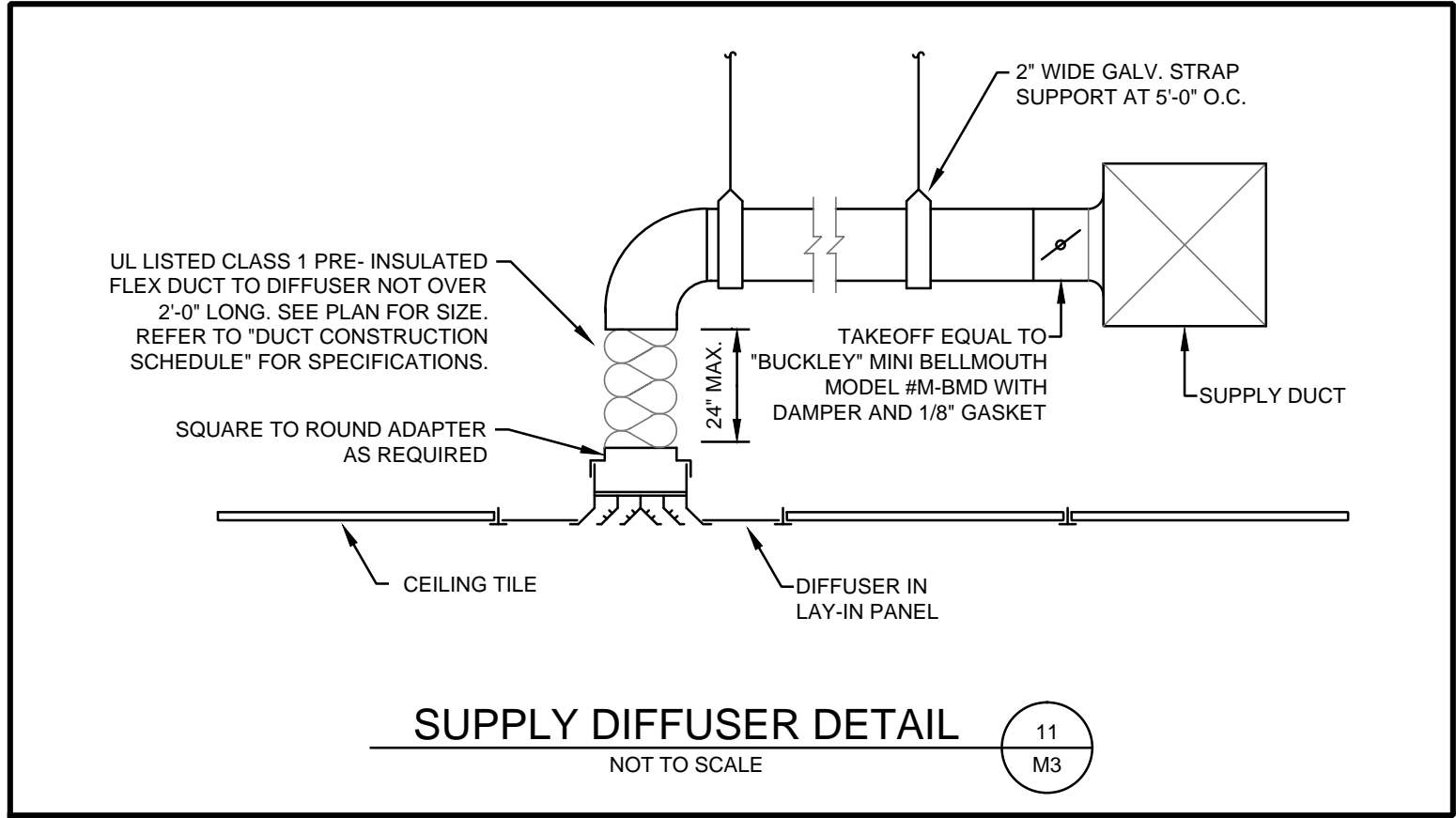
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SCALE: 1/8" = 1'-0"



**CONWAY DUNCAN**  
3015 SOUTH FORT AVENUE | SUITE D  
SPRINGFIELD | MISSOURI | 65804  
P: 417.881.1586 | F: 417.881.8390  
MISSOURI COA: E-2014013301

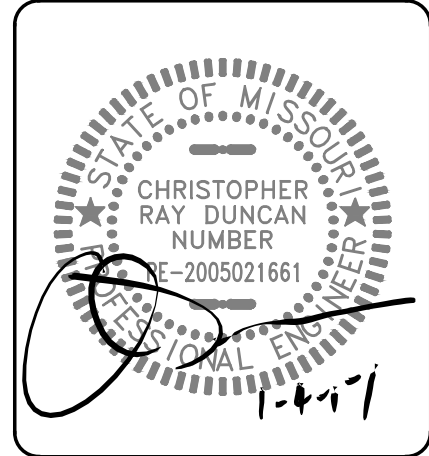
**M2**  
Base Bid 1 Renovation



| Revisions         | By       |
|-------------------|----------|
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| Last Modification |          |
| DATE              | INITIALS |

Hunter & Millard  
ARCHITECTS, INC.  
3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884  
jeff@hunterandmillard.com  
website:  
hunterandmillard.com  
check us out on Facebook:  
Hunter & Millard Architects, Inc.

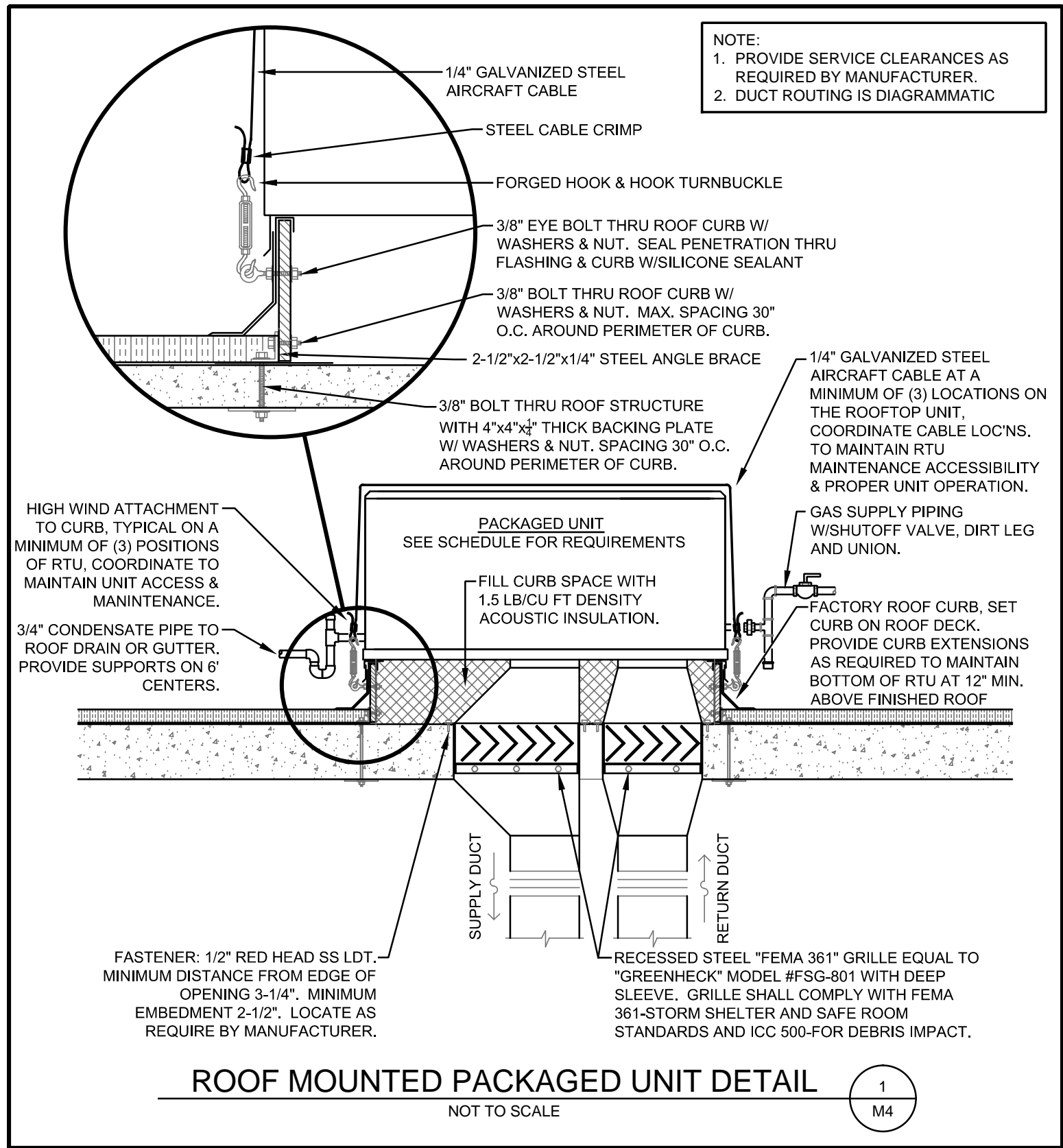
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Missouri Certificate of Authority: A-2008008317



Conference Center Renovations  
Leggett & Platt  
INCORPORATED  
#1 Leggett Road Carthage, MO

|                       |
|-----------------------|
| Drawn By<br>cdl       |
| Checked By<br>cdl/knc |
| Date<br>1/4/17        |
| Scale<br>As Noted     |
| Job Number<br>1627    |
| HVAC Details          |
| M3                    |
| Base Bid 1 Renovation |





| MINI-SPLIT SYSTEM SCHEDULE  |            |  |                                  |  |     |      |             |
|---|------------|--|----------------------------------|--|-----|------|-------------|
| MARK  | MFR.       | MODEL # / (WEIGHT)                                       | NOMINAL CLG/HTG CAPACITY (BTU/H) | ELECTRICAL   |     |      | ACCESSORIES |
|   |            |  |                                  | VOLTS/ PHASE   | MCA | MOCP |             |
| MFC-1<br>(FAN COIL)<br><br>MHP-1<br>(HP UNIT)   | MITSUBISHI | INDR-SLZ-KA09NA<br>(CLG CASSETTE)<br><br>OTDR-SUZ-KA09NA | 8,400/<br>10,900                 | 208/1  | 12  | 15   | CP,LA,TS    |
| MFC-2<br>(FAN COIL)<br><br>MHP-2<br>(HP UNIT)   | MITSUBISHI | INDR-SLZ-KA12NA<br>(CLG CASSETTE)<br><br>OTDR-SUZ-KA12NA | 11,100/<br>13,600                | 208/1  | 12  | 15   | CP,LA,TS    |
| <u>GENERAL NOTES</u>  |            |  |                                  | <u>ABBREVIATIONS</u>   |     |      |             |
| 1. APPROVED MANUFACTURERS: MITSUBISHI, SANYO & DAIKIN.<br>2. UNIT SHALL BE RATED IN ACCORDANCE WITH AHRI STANDARDS.<br>3. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS. INSULATE SUCTION LINES WITH 1/2" ARMAFLEX.<br>4. INDOOR UNIT POWERED FROM CIRCUIT SERVING OUTDOOR UNIT. |            |  |                                  | CP: CONDENSATE PUMP EQUAL TO "BLUE DIAMOND PUMPS "MAXIBLUE" WITH RESERVOIR SENSOR AND ALARM WHICH SHUTS OFF A/C IN FAULT MODE. PUMP TO BE POWERED FROM UNIT CIRCUIT PUMP TO BE CONCEALED INSIDE UNIT OR ABOVE CEILING.<br>LA: LOW AMBIENT KIT DOWN TO 0°F<br>TS: WIRED WALL MOUNT CONTROLLER |     |      |             |

| DUCT CONSTRUCTION SCHEDULE   |                                  |                                     |  |                            |
|--|----------------------------------|-------------------------------------|--|----------------------------|
| RECTANGULAR DUCT CONSTRUCTION MINIMUM METAL GAUGES   |                                  |                                     |  |                            |
| MAXIMUM SIDE   | GALVANIZED STEEL                 | PERIMETER HALF                      | HANGER STRAP                             |                            |
| THROUGH 12"<br>13" THROUGH 30"<br>31" THROUGH 54"  | 26 GAUGE<br>24 GAUGE<br>22 GAUGE | P/2 = 30"<br>P/2 = 72"<br>P/2 = 96" | 1"x22 GAUGE<br>1x18 GAUGE<br>1"x16 GAUGE |                            |
| ROUND DUCT CONSTRUCTION MINIMUM METAL GAUGES   |                                  |                                     |  |                            |
| DIAMETER   | LONGITUDINAL SEAM                | SPIRAL SEAM                         | FITTINGS                                 | HANGER STRAP               |
| THROUGH 12"<br>13" THROUGH 30"   | 26 GAUGE<br>24 GAUGE             | 28 GAUGE<br>26 GAUGE                | 26 GAUGE<br>24 GAUGE                     | 1"x22 GAUGE<br>1"x18 GAUGE |
| DUCT HANGER CONSTRUCTION AND SPACING REQUIREMENTS  |                                  |                                     |  |                            |
| <div><div></div></div>   |                                  |                                     |  |                            |
| HANGER STRAPS FASTEN TO STRUCTURE MAXIMUM 10' CENTERS  |                                  |                                     |  |                            |
| RECTANGULAR DUCTWORK   |                                  |                                     |  |                            |
| CONCEALED INSIDE THE CONDITIONED SPACE (ABOVE CEILING, IN CHASE, PLENUM, ETC.)<br>SUPPLY & OUTDOOR AIR: WRAP DUCTWORK WITH 1.5" THICK, 0.75 LB/CU FT DENSITY DUCT WRAP (R=5.1) EQUAL TO OWENS CORNING "SOFT" DUCT WRAP.<br>RETURN: NO INSULATION IS REQUIRED UNLESS OTHERWISE NOTED  |                                  |                                     |  |                            |
| ROUND DUCTWORK   |                                  |                                     |  |                            |
| CONCEALED INSIDE THE CONDITIONED SPACE (ABOVE CEILING, IN CHASE, PLENUM, ETC.)<br>SUPPLY & OUTDOOR AIR: WRAP DUCTWORK WITH 1.5" THICK, 0.75 LB/CU FT DENSITY DUCT WRAP (R=5.1) EQUAL TO OWENS CORNING "SOFT" DUCT WRAP. FLEXIBLE DUCT SHALL HAVE AN EQUAL OR GREATER R-VALUE.<br>RETURN: DUCT SHALL BE SNAPLOCK PIPE. NO INSULATION IS REQUIRED.   |                                  |                                     |  |                            |
| GREASE EXHAUST DUCTWORK FOR TYPE 1 HOOD  |                                  |                                     |  |                            |
| CONCEALED DUCTWORK SHALL BE 16 GA. MILD STEEL. EXPOSED DUCTWORK SHALL BE 18 GA. STAINLESS STEEL. ALL JOINTS AND SEAMS SHALL BE WELDED LIQUID TIGHT. PROVIDE A CLEANOUT EVERY 20'-0" IN HORIZONTAL DUCTWORK AND AT EVERY ELBOW. HORIZONTAL DUCTWORK SHALL HAVE A MINIMUM 2% SLOPE TOWARDS THE HOOD. ALL ELBOWS SHALL BE THE RADIUSUED TYPE. WHERE THE CLEARANCE TO COMBUSTIBLES IS LESS THAN 18", THE DUCTWORK SHALL BE WRAPPED WITH TWO LAYERS OF "3M" FIRE BARRIER DUCT WRAP 615+. THE ENTIRE INSTALLATION SHALL CONFORM TO NFPA 96.  |                                  |                                     |  |                            |
| GENERAL REQUIREMENTS   |                                  |                                     |  |                            |
| 1. CONSTRUCTION: ALL DUCTWORK AND HANGERS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS. DUCT DIMENSIONS SHOWN ON THE PLANS ARE THE INSIDE CLEAR DIMENSIONS. UNLESS INDICATED OTHERWISE, ALL DUCTWORK SHALL BE GALVANIZED STEEL.<br>2. SEALANT: ALL DUCT JOINTS AND SEAMS SHALL BE SEALED WITH A WATER-BASED BRUSH ON DUCT SEALER EQUAL TO UNITED MCGILL DUCT SEALER.<br>3. TAPE: TAPE SHALL BE UL LISTED ALUMINUM DUCT TAPE.<br>4. FLEXIBLE DUCTWORK: DUCT SHALL BE UL LISTED CLASS 1 PRE-INSULATED FLEX DUCT. FLEXIBLE DUCTWORK SHALL BE CONSTRUCTED WITH AN ACOUSTICAL TRANSPARENT CPE FABRIC SUPPORTED BY A GALVANIZED STEEL MECHANICALLY LOCKED HELIX. WIRE HELIX TYPE CORE SUPPORT NOT ACCEPTABLE. INSULATION SHALL BE COVERED WITH A REINFORCED ALUMINUM PIGMENTED VAPOR BARRIER. FLEXIBLE DUCT TO BE "FLEXMASTER USA" TYPE 8M ONLY, OR SUBMIT A SAMPLE TO THE ENGINEER FOR AN ALTERNATE APPROVED EQUAL. FLEXIBLE DUCT SHALL BE USED FOR FINAL CONNECTION TO AIR DEVICE AND SHALL NOT EXCEED 6'-0" IN LENGTH.<br>5. FITTINGS: INSTALL TURNING VANES IN ALL RECTANGULAR ELBOWS GREATER THAN 45°. ALL BRANCH DUCTS SHALL HAVE A 45° ENTRY AT THE MAIN TRUNK DUCT.<br>6. TAKE-OFF FITTINGS: BRANCH DUCT TAKE-OFF FITTINGS SHALL BE MINIMUM 26 GAUGE GALVANIZED STEEL WITH FLANGE CONNECTOR AND ADHESIVE NEOPRENE GASKET. FLANGE SHALL BE PRE-DRILLED FOR SECURING TO DUCT WITH SCREWS. BRANCH DUCT TAKE-OFF FITTINGS FOR SUPPLY AND EXHAUST DIFFUSERS/REGISTERS SHALL INCLUDE AN INTEGRAL MANUAL VOLUME DAMPER W/LOCKING QUADRANT. DAMPER NOT REQUIRED ON RETURN AIR. TAKE-OFF FITTINGS TO BE "BUCKLEY" MODEL ATM & ATMD OR EQUAL. WHERE DUCT HEIGHT REQUIRES A RECTANGULAR TO ROUND TAKE-OFF, UTILIZE A "BUCKLEY" MODEL 3300 & 3300D OR EQUAL.<br>7. EXHAUST DUCTWORK DOES NOT REQUIRE INSULATION.<br>8. SOUND ATTENUATION: RETURN AIR BOOTS OPEN TO THE SPACE REQUIRE DUCT LINER FOR SOUND ATTENUATION. REFER TO PLANS FOR RETURN AIR BOOT LOCATIONS. |                                  |                                     |  |                            |

| FAN SCHEDULE   |                       |      |          |               |               |           |       |            |              |  |              |         |             |         |
|--|-----------------------|------|----------|---------------|---------------|-----------|-------|------------|--------------|--|--------------|---------|-------------|---------|
| MARK   | DESCRIPTION           | MFR. | MODEL #  | AIRFLOW (CFM) | ESP (IN. WC.) | RPM (MAX) | SONES | DRIVE TYPE | MOTOR HP/(W) | ELEC. (V/PH)   | WEIGHT (LB.) | CONTROL | ACCESSORIES | REMARKS |
| EF-1   | INLINE EXHAUST FAN    | COOK | GN-164   | 150           | 0.35          | 1,183     | 2.0   | DIRECT     | (109)        | 120/1  | --           | BMS     | BD,DS,SC,VK | --      |
| EF-2   | INLINE EXHAUST FAN    | COOK | GN-164   | 150           | 0.35          | 1,183     | 2.0   | DIRECT     | (109)        | 120/1  | --           | BMS     | BD,DS,SC,VK | --      |
| EF-3   | ROOF MTD. EXHAUST FAN | COOK | 150 ACEB | 1,275         | 0.5           | 927       | 6.7   | BELT       | 0.25         | 120/1  | 70           | BMS     | BD,DS,RC    | --      |
| GENERAL NOTES  |                       |      |          |               |               |           |       |            |              | ABBREVIATIONS  |              |         |             |         |
| 1. APPROVED MANUFACTURERS: COOK, GREENHECK, ACME, CARNES |                       |      |          |               |               |           |       |            |              | BD: BACKDRAFT DAMPER<br>DS: FACTORY INSTALLED DISCONNECT SWITCH<br>SC: SOLID STATE SPEED CONTROLLER<br>VK: VIBRATION ISOLATION KIT |              |         |             |         |

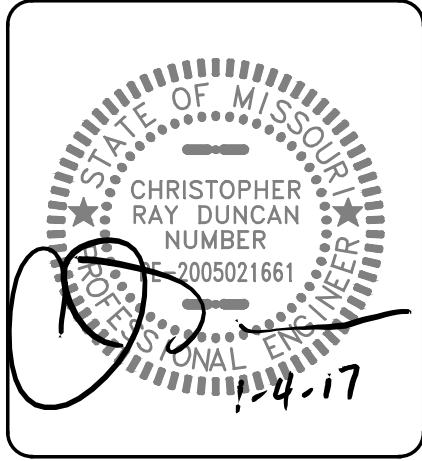
| PACKAGED HEAT PUMP UNIT SCHEDULE  |      |          |                                  |              |                       |               |               |   |              |      |      |                       |                      |                                      |         |
|---|------|----------|----------------------------------|--------------|-----------------------|---------------|---------------|---|--------------|------|------|-----------------------|----------------------|--------------------------------------|---------|
| MARK  | MFR. | MODEL #  | NOMINAL CLG/HTG CAPACITY (BTU/H) | COOLING EFF. | HEATING CAPACITY (KW) | SUPPLY FAN    |               |   | ELECTRICAL   |      |      | OUTSIDE AIRFLOW (CFM) | APPROX. WEIGHT (LB.) | ACCESSORIES                          | REMARKS |
|   |      |          |                                  |              |                       | AIRFLOW (CFM) | ESP (IN. WC.) | HP  | VOLTS/ PHASE | MCA  | MOCP |                       |                      |                                      |         |
| RTU-1   | AAON | RN013    | 150,000                          | 10.6 EER     | 30                    | 3,800         | 1.1           | 3   | 460/3        | 90   | 100  | 1,140                 | 2,119                | BD,CO,DS,HG,EA,FR2,OA2,RC,CT1,VFD    | 1.2,6   |
| RTU-2   | AAON | RN013    | 150,000                          | 10.6 EER     | 30                    | 3,800         | 1.1           | 3   | 460/3        | 90   | 100  | 1,140                 | 2,119                | BD,CO,DS,HG,EA,FR2,OA2,RC,CT1,VFD    | 1.2,6   |
| RTU-3   | AAON | RN013    | 150,000                          | 10.6 EER     | 30                    | 3,800         | 1.1           | 3   | 460/3        | 90   | 100  | 1,140                 | 2,119                | BD,CO,DS,HG,HR,EA,FR2,OA2,RC,CT1,VFC | 1.2,6   |
| RTU-4   | JCI  | XYE05    | 48,000                           | 15.0 SEER    | 14.0                  | 1,600         | 0.6           | 2.4   | 460/3        | 32.7 | 35   | 240                   | 679                  | CO,DS,HG,EA,FR,OA1,RC,CT2            | --      |
| RTU-5   | JCI  | XYE04    | 36,000                           | 15.0 SEER    | 14.0                  | 1,200         | 0.6           | 2.4   | 460/3        | 32.2 | 35   | 300                   | 600                  | CO,DS,HG,EA,FR,OA1,RC,CT2            | --      |
| RTU-6   | JCI  | XYE05    | 48,000                           | 15.0 SEER    | 14.0                  | 1,600         | 0.6           | 2.4   | 460/3        | 32.7 | 35   | 400                   | 679                  | CO,DS,HG,EA,FR,OA1,RC,CT2            | --      |
| RTU-7   | AAON | RQ004    | 48,000                           | 12.0 EER     | 10.0                  | 1,200         | 0.55          | 1   | 460/3        | 28   | 30   | 180                   | 851                  | CO,DS,HG,EA,FR,OA1,RC,CT2,VFD        | 1.3     |
| RTU-8   | AAON | RQ005    | 60,000                           | 10.9 EER     | 10.0                  | 1,600         | 0.55          | 1   | 460/3        | 29   | 30   | 240                   | 855                  | CO,DS,HG,EA,FR,OA1,RC,CT2,VFD        | 1.4     |
| RTU-9   | JCI  | XYE05    | 48,000                           | 15.0 SEER    | 14.0                  | 1,600         | 0.6           | 2.4   | 460/3        | 32.7 | 35   | 500                   | 679                  | CO,DS,HG,EA,FR,OA1,RC,CT2            | --      |
| RTU-10  | JCI  | XYE05    | 48,000                           | 15.0 SEER    | --                    | 1,600         | 0.6           | 2.4   | 460/3        | 11.7 | 15   | 200                   | 624                  | CO,DS,HG,EA,FR,OA1,RC,CT2            | --      |
| RTU-11  | JCI  | XYE05    | 48,000                           | 15.0 SEER    | 6.5                   | 1,400         | 0.6           | 2.4   | 208/1        | 63.9 | 70   | 200                   | 679                  | CO,DS,HG,EA,FR,OA1,RC,CT2            | --      |
| RTU-12  | JCI  | XYE05    | 48,000                           | 15.0 SEER    | 6.0                   | 1,600         | 0.6           | 2.4   | 460/3        | 20.7 | 25   | 200                   | 679                  | CO,DS,HG,EA,FR,OA1,RC,CT2            | --      |
| RTU-13  | JCI  | XYE05    | 48,000                           | 15.0 SEER    | 6.0                   | 1,600         | 0.6           | 2.4   | 460/3        | 20.7 | 25   | 200                   | 679                  | CO,DS,HG,EA,FR,OA1,RC,CT2            | --      |
| RTU-14  | JCI  | J12XPE18 | 150,000                          | 11.0 EER     | 18.0                  | 5,000         | 0.6           | 5.0   | 460/3        | 62.6 | 70   | 625                   | 1,525                | CO,DS,HG,EA,FR2,OA1,RC,CT2           | 5       |
| GENERAL NOTES   |      |          |                                  |              |                       |               |               | ABBREVIATIONS   |              |      |      |                       |                      |                                      |         |
| 1. APPROVED MANUFACTURER/BRAND NAME: YORK, JCI, CARRIER, LENNOX, AAON                               |      |          |                                  |              |                       |               |               | BD: BAROMETRIC RELIEF DAMPER WITH HOOD AND SCREEN   |              |      |      |                       |                      |                                      |         |
| 2. UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS.  |      |          |                                  |              |                       |               |               | CO: FACTORY MOUNTED "POWERED" CONVENIENCE OUTLET  |              |      |      |                       |                      |                                      |         |
| 3. UNIT WEIGHT SHOWN INCLUDES CURB WEIGHT.  |      |          |                                  |              |                       |               |               | CT1: PROVIDE TERMINAL STRIP FOR CONNECTION BY ALERTON CONTROLS INCLUDING COMPRESSOR STAGING, COMPRESSOR MODULATION, AND VFD ENABLE WITH 0-10 VDC SPEED CONTROL & 0-10 VDC ECONOMIZER CONTROL. PROVIDE (1) 100 VA 24 VAC TRANSFORMER TO POWER BMS CONTROLS. COORDINATE THERMOSTATS, HUMIDISTATS, & ALL SENSORS WITH DEON HOKINSMITH (816) 914-2012. ALL CONTROLS SHALL BE ALERTON. |              |      |      |                       |                      |                                      |         |
| 4. COMPRESSORS SHALL BE SCROLL TYPE UNLESS OTHERWISE SPECIFIED.                                     |      |          |                                  |              |                       |               |               | CT2: PROVIDE TERMINAL STRIP FOR CONNECTION BY ALERTON CONTROLS. PROVIDE (1) 100 VA 24 VAC TRANSFORMER TO POWER BMS CONTROLS. COORDINATE THERMOSTATS, HUMIDISTATS, & ALL SENSORS WITH DEON HOKINSMITH (816) 914-2012. ALL CONTROLS SHALL BE ALERTON.   |              |      |      |                       |                      |                                      |         |
| 5. SPECIFIED HEATING FUEL: NATURAL GAS  |      |          |                                  |              |                       |               |               | DS: FACTORY INSTALLED DISCONNECT  |              |      |      |                       |                      |                                      |         |
| REMARKS   |      |          |                                  |              |                       |               |               | HG: HAIL GUARDS   |              |      |      |                       |                      |                                      |         |
| 1. SINGLE ZONE VARIABLE VOLUME SYSTEM   |      |          |                                  |              |                       |               |               | HR: HOT GAS REHEAT WITH HUMIDISTAT  |              |      |      |                       |                      |                                      |         |
| 2. SIDE DISCHARGE   |      |          |                                  |              |                       |               |               | EA: THROUGH THE BASE ELECTRICAL UTILITY ACCESS  |              |      |      |                       |                      |                                      |         |
| 3. 1050 CFM DURING HEATING CYCLE  |      |          |                                  |              |                       |               |               | FR: 1" FILTER RACK  |              |      |      |                       |                      |                                      |         |
| 4. 1400 CFM DURING HEATING CYCLE  |      |          |                                  |              |                       |               |               | FR2: 2" FILTER RACK   |              |      |      |                       |                      |                                      |         |
| 5. 2-STAGE COOL AND 2-STAGE HEAT  |      |          |                                  |              |                       |               |               | OA1: MOTORIZED OUTSIDE AIR DAMPER 0% THROUGH %50, WITH HOOD AND SCREEN  |              |      |      |                       |                      |                                      |         |
| 6. COMPRESSORS SHALL BE DIGITAL SCROLL TYPE CAPABLE OF MODULATING BETWEEN 10% & 100% BASED ON LOAD. |      |          |                                  |              |                       |               |               | OA2: ENTHALPY ECONOMIZER WITH HOOD AND SCREEN   |              |      |      |                       |                      |                                      |         |
|   |      |          |                                  |              |                       |               |               | RC: 14" INSULATED ROOF CURB   |              |      |      |                       |                      |                                      |         |
|   |      |          |                                  |              |                       |               |               | VFD: FACTORY MOUNTED VARIABLE FREQUENCY DRIVE   |              |      |      |                       |                      |                                      |         |

| AIR DEVICE SCHEDULE  |                                     |            |         |          |               |        |                             |        |         |
|--|-------------------------------------|------------|---------|----------|---------------|--------|-----------------------------|--------|---------|
| MARK   | DESCRIPTION                         | MFR.       | MODEL # | FUNCTION | MOUNTING      | DAMPER | MATERIAL                    | FINISH | REMARKS |
| S1   | LOUVERED RECT. DIFFUSER-SQUARE NECK | KRUEGER    | 5SH     | SUPPLY   | LAY-IN        | YES    | ALUMINUM                    | WHITE  | 3       |
| S2   | LOUVERED RECT. DIFFUSER-SQUARE NECK | KRUEGER    | 5SH     | SUPPLY   | LAY-IN        | YES    | ALUMINUM                    | WHITE  | 1.3     |
| S3   | SLANT FACE PLENUM DIFFUSER          | CURBS PLUS | CDS4    | SUPPLY   | VERTICAL DUCT | NO     | STEEL                       | WHITE  | 2       |
| S4   | LOUVERED RECT. DIFFUSER-SQUARE NECK | KRUEGER    | 5SH     | SUPPLY   | LAY-IN        | YES    | ALUMINUM                    | WHITE  | 4       |
| S5   | LOUVERED RECT. DIFFUSER-SQUARE NECK | KRUEGER    | 5SH     | SUPPLY   | LAY-IN        | YES    | ALUMINUM                    | WHITE  | 3.5     |
| R1   | EGG-CRATE GRILLE                    | KRUEGER    | EGC5    | RETURN   | LAY-IN        | NO     | ALUMINUM                    | WHITE  | 3       |
| E1   | PERFORATED GRILLE-SQUARE NECK       | KRUEGER    | 6490    | RETURN   | LAY-IN        | NO     | STEEL                       | WHITE  | 3       |
| E2   | PERFORATED GRILLE-SQUARE NECK       | KRUEGER    | 6490    | RETURN   | LAY-IN        | NO     | STEEL                       | WHITE  | 4       |
| E3   | PERFORATED GRILLE-SQUARE NECK       | KRUEGER    | 6490    | RETURN   | LAY-IN        | NO     | STEEL                       | WHITE  | 6       |
| GENERAL NOTES  |                                     |            |         |          |               |        | REMARKS                     |        |         |
| 1. APPROVED MANUFACTURERS: KRUEGER, ANEMOSTAT, PRICE, TITUS, CARNES, TUTTLE AND BAILEY, NAIOR                        |                                     |            |         |          |               |        | 1. 2-WAY DIFFUSER           |        |         |
| 2. PROVIDE SQUARE TO ROUND ADAPTERS AS REQUIRED.   |                                     |            |         |          |               |        | 2. SUSPENDED FROM STRUCTURE |        |         |
| 3. LAY-IN DIFFUSER NECK SIZES SHALL BE AS SHOWN ON THE PLANS. DIFFUSER PANEL SIZE SHALL BE 24x24.                    |                                     |            |         |          |               |        | 3. 24x24 PANEL              |        |         |
| 4. LAY-IN DIFFUSER THROWS ARE TO BE AS SHOWN ON THE PLANS. REFER TO THE HVAC LEGEND FOR DIFFUSER THROW DESIGNATIONS. |                                     |            |         |          |               |        | 4. 12x12 PANEL              |        |         |
| 5. DAMPERS SHALL BE THE OPPOSED BLADE TYPE.  |                                     |            |         |          |               |        | 5. 3-WAY DIFFUSER           |        |         |
| 6. GRILLE/DIFFUSER DAMPERS ARE INTENDED FOR USE BY THE TENANT AND ARE NOT TO BE USED FOR INITIAL BALANCING.          |                                     |            |         |          |               |        | 6. 24x12 PANEL              |        |         |

| Revisions         | By    |
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| DATE              | INFL5 |

Hunter & Millard  
ARCHITECTS, INC.  
3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884  
jeff@hunterandmillard.com  
website:  
hunterandmillard.com  
check us out on Facebook:  
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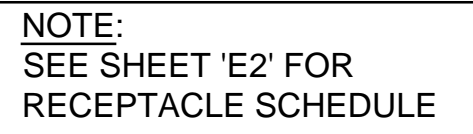
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Conference Center Renovations  
Leggett & Platt  
INCORPORATED  
#1 Leggett Road Carthage, MO

Drawn By  
cdl  
Checked By  
cdl/knc  
Date  
1/4/17  
Scale  
As Noted  
Job Number  
1627  
HVAC Schedules  
& Details  
M4  
Base Bid 1 Renovation

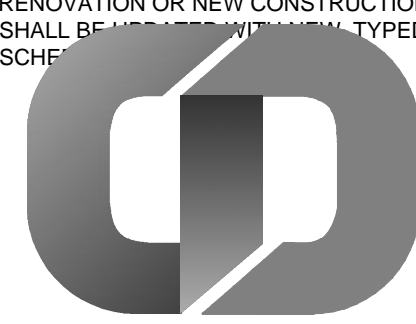
CONWAY DUNCAN  
3015 SOUTH FORT AVENUE | SUITE D  
SPRINGFIELD | MISSOURI | 65804  
P. 417.881.1586 | F. 417.881.8390  
MISSOURI COA: E-2014013301



INDICATED BY SYMBOLS (1), (2), ETC

- ## GENERAL NOTES

1. PRIOR TO DEMOLITION OF INTERIOR WALLS AND FLOOR, CONTRACTOR SHALL CONFIRM THE LOCATION AND QUANTITY OF BOTH LINE-VOLTAGE AND LOW-VOLTAGE FLOOR-MOUNTED AND FLOOR-MOUNTED ELECTRICAL DEVICES, AND NOTE ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS.
2. PRIOR TO DEMOLITION OF INTERIOR WALLS AND FLOOR, CONTRACTOR SHALL REMOVE ALL LINE-VOLTAGE AND LOW-VOLTAGE FLOOR-MOUNTED AND FLOOR-MOUNTED ELECTRICAL DEVICES AND RETURN ALL ASSOCIATED BRANCH CIRCUITRY BACK TO SOURCE PANELEBOARD. MAKE RECORD OF BRANCH CIRCUITRY REMOVAL AND ASSOCIATED DEVICES.
3. ALL 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE CIRCUITS LOCATED WITHIN KITCHEN SHALL BE GFCI PROTECTED.
4. CIRCUIT NUMBERS INDICATED ON THIS PLAN ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY EXISTING CIRCUIT BREAKER AVAILABILITY WITHIN EXISTING PANELEBOARD, AND LOCATE AND LABEL BREAKER(S) AS REQUIRED. ANY ELECTRICAL PANEL AFFECTED BY RENOVATION OR NEW CONSTRUCTION SHALL BE IDENTIFIED ON THE REPEATED SCHEDULE.



**CONWAY DUNCAN**  
3015 SOUTH FORT AVENUE | SUITE D  
SPRINGFIELD | MISSOURI | 65804  
P: 417.881.1586 | F: 417.881.8390  
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| DATE              | INIT'S |

**Hunter & Millard**  
ARCHITECTS, INC.

3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884

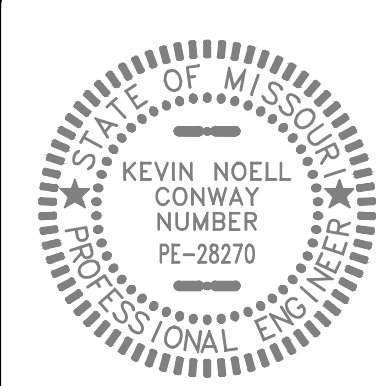
jeff@hunterandmillard.com

website:

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## Conference Center Renovations

*Leggett & Platt*  
INCORPORATED

#1 Leggett Road Carthage, MO

|                          |
|--------------------------|
| Drawn By<br>cdl          |
| Checked By<br>crd/ knc   |
| Date<br>1/4/17           |
| Scale<br><b>As Noted</b> |
| Job Number<br>1627       |

Power Plant  
North End

# E1

Base Bid 1 Renovation

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

COORDINATE KITCHEN EQUIPMENT LAYOUT AND CONFIRM EQUIPMENT ELECTRICAL REQUIREMENTS WITH OWNER OR ARCHITECT. PROVIDE GENERAL USE SCHEDULES AS DIRECTED BY OWNER. PROVIDE RECEPTS FOR ALL EQUIPMENT. FOR EXISTING AND DISCONNECTING MEANS (WITHIN SIGHT OF EQUIPMENT AS REQUIRED FOR EACH PIECE OF KITCHEN EQUIPMENT PER NEC 422.42(3)). PROVIDE CIRCUITRY TO EXISTING PANELBOARD(S) 'LP1, 'LP2, 'LP3, 'LP4, 'LP5, 'LP6, 'LP7, 'LP8, 'LP9, 'LP10, 'LP11, 'LP12, 'LP13, 'LP14, 'LP15, 'LP16, 'LP17, 'LP18, 'LP19, 'LP20, 'LP21, 'LP22, 'LP23, 'LP24, 'LP25, 'LP26, 'LP27, 'LP28, 'LP29, 'LP30, 'LP31, 'LP32, 'LP33, 'LP34, 'LP35, 'LP36, 'LP37, 'LP38, 'LP39, 'LP40, 'LP41, 'LP42, 'LP43, 'LP44, 'LP45, 'LP46, 'LP47, 'LP48, 'LP49, 'LP50, 'LP51, 'LP52, 'LP53, 'LP54, 'LP55, 'LP56, 'LP57, 'LP58, 'LP59, 'LP60, 'LP61, 'LP62, 'LP63, 'LP64, 'LP65, 'LP66, 'LP67, 'LP68, 'LP69, 'LP70, 'LP71, 'LP72, 'LP73, 'LP74, 'LP75, 'LP76, 'LP77, 'LP78, 'LP79, 'LP80, 'LP81, 'LP82, 'LP83, 'LP84, 'LP85, 'LP86, 'LP87, 'LP88, 'LP89, 'LP90, 'LP91, 'LP92, 'LP93, 'LP94, 'LP95, 'LP96, 'LP97, 'LP98, 'LP99, 'LP100, 'LP101, 'LP102, 'LP103, 'LP104, 'LP105, 'LP106, 'LP107, 'LP108, 'LP109, 'LP110, 'LP111, 'LP112, 'LP113, 'LP114, 'LP115, 'LP116, 'LP117, 'LP118, 'LP119, 'LP120, 'LP121, 'LP122, 'LP123, 'LP124, 'LP125, 'LP126, 'LP127, 'LP128, 'LP129, 'LP130, 'LP131, 'LP132, 'LP133, 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SCALE: 1/8" = 1'-0"





| RECEPTACLE SCHEDULE |                 |       |           |          |    |    |    |    |     |       |     |       |      |
|---------------------|-----------------|-------|-----------|----------|----|----|----|----|-----|-------|-----|-------|------|
|                     | MOUNTING HEIGHT | COLOR | WALLPLATE | FEATURES |    |    |    |    |     | COVER |     | NEMA  | NOTE |
|                     |                 |       |           | GFCI     | TR | IG | SS | HG | USB | WP    | WPI |       |      |
| A                   | 18"             | IVORY | NYLON     | -        | -  | -  | -  | -  | -   | -     | -   | 5-20  |      |
| B                   | AC              | IVORY | NYLON     | X        | -  | -  | -  | -  | -   | -     | -   | 5-20  |      |
| C                   | AC              | IVORY | NYLON     | -        | -  | -  | -  | -  | -   | -     | -   | 5-20  |      |
| D                   | 18"             | IVORY | NYLON     | X        | -  | -  | -  | -  | -   | -     | -   | 5-20  |      |
| F                   | 48"             | IVORY | NYLON     | -        | -  | -  | -  | -  | -   | -     | -   | 5-20  |      |
| G                   | 48"             | IVORY | NYLON     | X        | -  | -  | -  | -  | -   | -     | -   | 5-20  |      |
| H                   | 4"              | BLACK | NYLON     | -        | -  | -  | -  | -  | -   | -     | -   | 14-30 |      |
| I                   | AC              | IVORY | NYLON     | -        | -  | -  | -  | -  | -   | -     | -   | 6-20  |      |
| J                   | 18"             | IVORY | NYLON     | -        | -  | -  | -  | -  | X   | -     | -   | 5-20  |      |

UNLESS NOTED "AC", THE RECEPTACLE MOUNTING HEIGHT IS TO THE DEVICE MID-POINT MEASURED ABOVE THE ASSOCIATED FLOOR, STAIR TREAD, STAIR LANDING, OR PLATFORM.

WALLPLATE COLOR SHALL MATCH RECEPTACLE COLOR UNLESS OTHERWISE NOTED.

AC      DEVICE MID-POINT AT 4" ABOVE COUNTER, OR COUNTER BACKSPASH IF PRESENT  
S/S     STAINLESS STEEL  
GFCI    GROUND FAULT CIRCUIT INTERRUPTER  
TR      TAMPER RESISTANT  
IG      ISOLATED GROUND  
SS      SURGE SUPPRESSION  
HG      HOSPITAL GRADE  
USB     USB CHARGING  
WP      WEATHERPROOF  
WPI     WEATHERPROOF IN-USE

NOTES:  
1.      LABEL WALLPLATE.  
2.      -  
3.      -

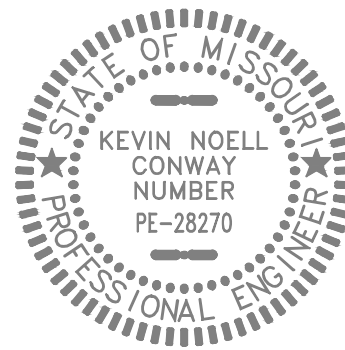
KEY NOTES

- INDICATED BY SYMBOLS ①, ②, ETC.
- DISCONNECT SUPPLIED WITH UNIT. REFER TO HVAC PLAN(S). FIELD CONFIRM EXISTING BRANCH CIRCUIT BREAKER AND CIRCUITRY ARE CORRECT SIZE FOR NEW UNIT. IF REQUIRED, PROVIDE NEW 15-AMP, 3-POLE CIRCUIT BREAKER IN 480-VOLT, 3-PHASE DISTRIBUTION PANELBOARD, AND RE-FEED WITH (4) #12 CONDUCTORS AND #12 GROUND IN 0.50" CONDUIT.
  - DISCONNECT SUPPLIED WITH UNIT. REFER TO HVAC PLAN(S). FIELD CONFIRM EXISTING BRANCH CIRCUIT BREAKER AND CIRCUITRY ARE CORRECT SIZE FOR NEW UNIT. IF REQUIRED, PROVIDE NEW 70-AMP, 2-POLE CIRCUIT BREAKER IN 208-VOLT, 1-PHASE (OR 3-PHASE) DISTRIBUTION PANELBOARD, AND RE-FEED WITH (3) #4 CONDUCTORS AND #8 GROUND IN 1.25" CONDUIT.
  - DISCONNECT SUPPLIED WITH UNIT. REFER TO HVAC PLAN(S). FIELD CONFIRM EXISTING BRANCH CIRCUIT BREAKER AND CIRCUITRY ARE CORRECT SIZE FOR NEW UNIT. IF REQUIRED, PROVIDE NEW 25-AMP, 3-POLE CIRCUIT BREAKER IN 480-VOLT, 3-PHASE DISTRIBUTION PANELBOARD, AND RE-FEED WITH (4) #10 CONDUCTORS AND #10 GROUND IN 0.50" CONDUIT.
  - DISCONNECT SUPPLIED WITH UNIT. REFER TO HVAC PLAN(S). FIELD CONFIRM EXISTING BRANCH CIRCUIT BREAKER AND CIRCUITRY ARE CORRECT SIZE FOR NEW UNIT. IF REQUIRED, PROVIDE NEW 70-AMP, 3-POLE CIRCUIT BREAKER IN 480-VOLT, 3-PHASE DISTRIBUTION PANELBOARD, AND RE-FEED WITH (4) #4 CONDUCTORS AND #8 GROUND IN 1.25" CONDUIT.

| Revisions         | By      |
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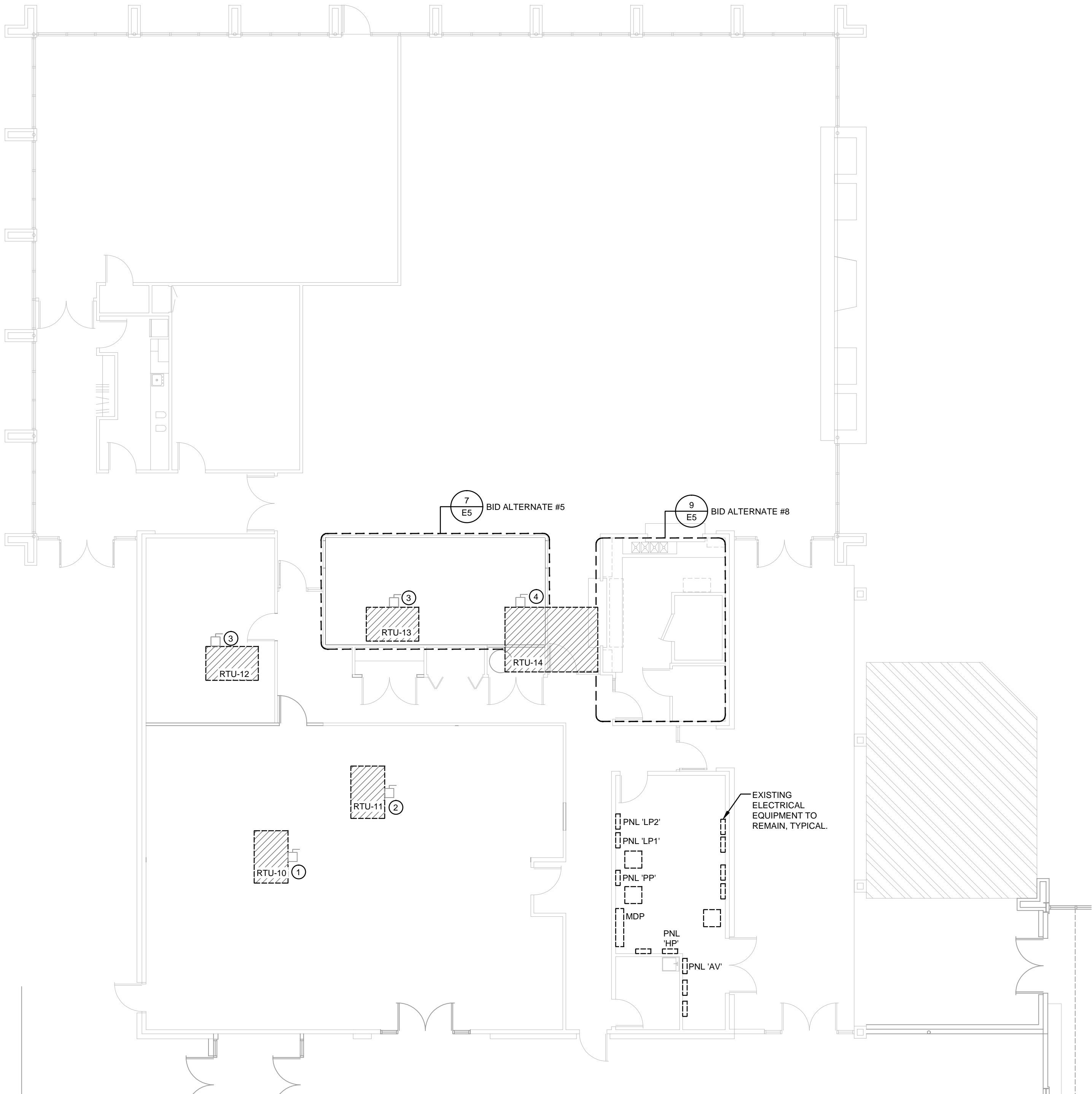
Hunter & Millard  
ARCHITECTS, INC.  
3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
Fax: (417) 761-0884  
jeff@hunterandmillard.com  
website:  
hunterandmillard.com  
check us out on Facebook:  
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Leggett & Platt  
INCORPORATED  
#1 Leggett Road Carthage, MO

|                         |
|-------------------------|
| Drawn By<br>cdl         |
| Checked By<br>ord / kno |
| Date<br>1/4/17          |
| Scale<br>As Noted       |
| Job Number<br>1627      |
| Power Plan<br>South End |
| E2                      |
| Base Bid 1 Renovation   |



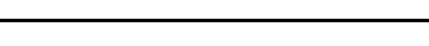
POWER PLAN - SOUTH END

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





**CONWAY DUNCAN**  
3015 SOUTH FORT AVENUE | SUITE D  
SPRINGFIELD | MISSOURI | 65804  
P: 417.881.1566 | F: 417.881.8390  
MISSOURI COA: E-2014013301





KEY NOTES

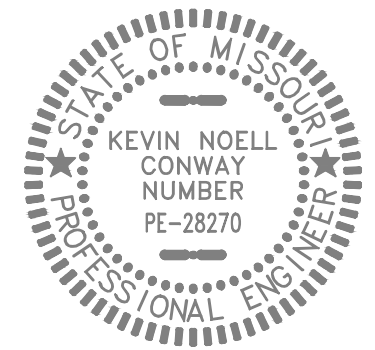
INDICATED BY SYMBOLS ①, ②, ETC.

1. REPLACE FIXTURE(S) ONE FOR ONE WITH SPECIFIED FIXTURE TYPE. GENERIC LIGHT FIXTURE LAYOUT INDICATED, FIELD COORDINATE EXACT FIXTURE LAYOUT AND QUANTITY IN ROOM. UTILIZE EXISTING CIRCUITRY AND CONTROL WIRING UNLESS OTHERWISE INDICATED.
2. EXISTING LIGHT FIXTURE(S) TO REMAIN.

| Revisions         | By      |
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Hunter & Millard  
ARCHITECTS, INC.  
3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 761-0884  
jeff@hunterandmillard.com  
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check us out on Facebook:  
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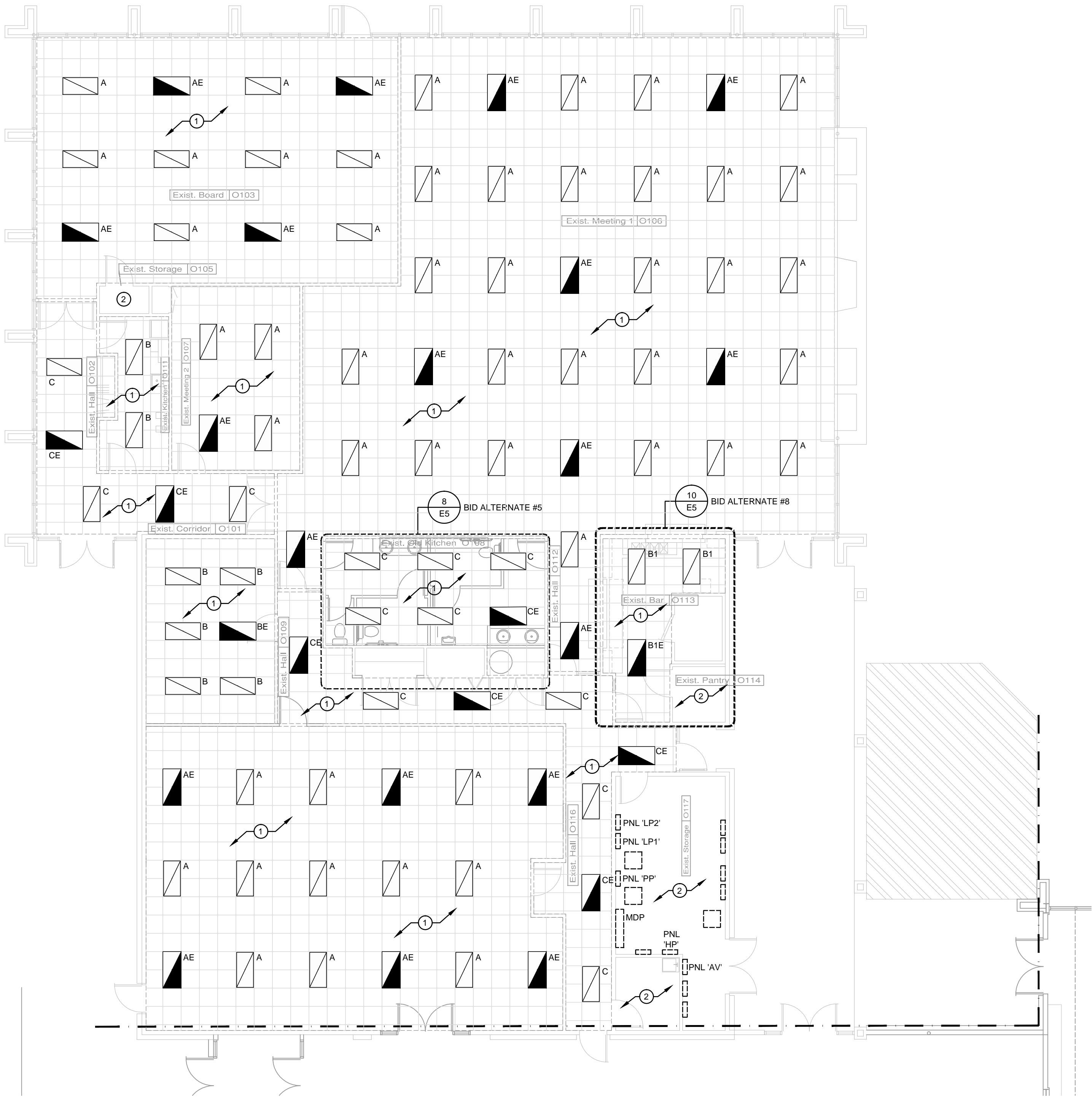
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Conference Center Renovations  
*Leggett & Platt*  
INCORPORATED  
#1 Leggett Road Carthage, MO

|                         |
|-------------------------|
| Drawn By<br>cdl         |
| Checked By<br>ard / kno |
| Date<br>1/4/17          |
| Scale<br>As Noted       |
| Job Number<br>1627      |

Lighting Plan  
South End  
**E4**  
Base Bid 1 Renovation



LIGHTING PLAN - SOUTH END

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



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3015 SOUTH FORT AVENUE | SUITE D  
SPRINGFIELD | MISSOURI | 65804  
P: 417.881.1566 | F: 417.881.8390  
MISSOURI COA: E-2014013301





| LIGHT FIXTURE SCHEDULE |                     |  |        |                          |      |         |          |                 |               |   |
|------------------------|---------------------|--|--------|--------------------------|------|---------|----------|-----------------|---------------|---|
| MARK                   | MANUFACTURER        | CATALOG NUMBER                                   | FINISH | MOUNTING                 | TYPE | VOLTS   | WATTS    | LAMPS           | REMARKS/NOTES | NOTES   |
| A                      | H.E. WILLIAMS       | 50G-S24-L130/840-RBA12125-EQCLIPS-DIM-UNV        | WHITE  | LAY-IN W/CLIPS           | LED  | 120/277 | 151      | BY MANUFACTURER | 1             | 1. MANUFACTURERS OF ALTERNATIVE FIXTURES WITH SIMILAR QUALITY, FUNCTION, SIZE, AND AESTHETICS ARE LIMITED TO: ACUITY, COLUMBIA, EATON, HUBBELL, PHILLIPS, AND H.E. WILLIAMS.<br>2. PROVIDE BASIS-OF-DESIGN FIXTURE UNLESS APPROVAL OF ALTERNATIVE FIXTURE(S) HAS BEEN ISSUED PRIOR TO PROJECT BID DATE. REQUESTS FOR APPROVAL OF ALTERNATIVE FIXTURES MUST BE RECEIVED BY DESIGN ENGINEER A MINIMUM OF SEVEN WORKING DAYS PRIOR TO BID DATE.<br>3. REQUESTS FOR APPROVAL OF ALTERNATIVE FIXTURE(S) MUST BE ACCOMPANIED WITH PHOTOMETRIC CALCULATIONS.<br>4. FIXTURE SUPPLIED WITH 10-WATT EMERGENCY DRIVER.<br>5. PROVIDE FIXTURE WITH CONNECTOR #011202, MOUNTING CHANNEL #011365, DIMMABLE POWER SUPPLY #011308, PLUG-IN POWER SUPPLY #011323, AND DIMMER SWITCH #011458. SEE MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION INFORMATION. |
| AE                     | H.E. WILLIAMS       | 50G-S24-L130/840-RBA12125-EQCLIPS-EM/10W-DIM-UNV | WHITE  | LAY-IN W/CLIPS           | LED  | 120/277 | 151      | BY MANUFACTURER | 1,4           |   |
| B                      | H.E. WILLIAMS       | 50G-S24-L90/840-RBA12125-EQCLIPS-DIM-UNV         | WHITE  | LAY-IN W/CLIPS           | LED  | 120/277 | 94       | BY MANUFACTURER | 1             |   |
| B1                     | H.E. WILLIAMS       | 50G-S24-L90/840-RBA12125-EQCLIPS-DRV-UNV         | WHITE  | LAY-IN W/CLIPS           | LED  | 120/277 | 94       | BY MANUFACTURER | 1             |   |
| B1E                    | H.E. WILLIAMS       | 50G-S24-L90/840-RBA12125-EQCLIPS-EM/10W-DRV-UNV  | WHITE  | LAY-IN W/CLIPS           | LED  | 120/277 | 94       | BY MANUFACTURER | 1,4           |   |
| C                      | H.E. WILLIAMS       | 50G-S24-L60/840-RBA12125-EQCLIPS-DRV-UNV         | WHITE  | LAY-IN W/CLIPS           | LED  | 120/277 | 56       | BY MANUFACTURER | 1             |   |
| CE                     | H.E. WILLIAMS       | 50G-S24-L60/840-RBA12125-EQCLIPS-EM/10W-DRV-UNV  | WHITE  | LAY-IN W/CLIPS           | LED  | 120/277 | 56       | BY MANUFACTURER | 1,4           |   |
| D                      | H.E. WILLIAMS       | 50G-S22-L62/840-RBA12125-EQCLIPS-DRV-UNV         | WHITE  | LAY-IN W/CLIPS           | LED  | 120/277 | 62       | BY MANUFACTURER | 1             |   |
| E                      | EATON - HALO        | ML5606840-693BB / H7T                            | WHITE  | CEILING RECESSED         | LED  | 120/277 | 9        | BY MANUFACTURER | 1             |   |
| EM                     | MULE                | SO-80-LED-W                                      | WHITE  | SURFACE/ WALL 8' A.F.F.  | LED  | 120/277 | 2        | BY MANUFACTURER | 1             |   |
| EX                     | MULE                | MX-B-R-U   | WHITE  | SURFACE / WALL 8' A.F.F. | LED  | 120/277 | 2        | BY MANUFACTURER | 1             |   |
| F                      | ORGANIC LTG SYSTEMS | LINELED POWER #011743 (16'-4" LENGTH)            | WHITE  | SURFACE                  | LED  | 24      | 1.28/FT. | BY MANUFACTURER | 5             |   |
| -                      | -                   | -  | -      | -                        | -    | -       | -        | -               | -             | ABBREVIATIONS<br><br>A.F.F. ABOVE FINISHED FLOOR<br>A.D.F. ABOVE DOOR/WINDOW FRAME<br>T.O.F. TOP OF FIXTURE<br>C.O.F. CENTER OF FIXTURE<br>B.O.F. BOTTOM OF FIXTURE   |
| -                      | -                   | -  | -      | -                        | -    | -       | -        | -               | -             |   |
| -                      | -                   | -  | -      | -                        | -    | -       | -        | -               | -             |   |
| -                      | -                   | -  | -      | -                        | -    | -       | -        | -               | -             |   |

| CONDUCTORS AND CONDUIT SCHEDULE  |            |                               |   |   |  |  |
|--|------------|-------------------------------|---|---|--|--|
| OVERCURRENT PROTECTION DEVICE RATING   | CONDUCTORS | EQUIPMENT GROUNDING CONDUCTOR | SINGLE PHASE 2-WIRE + GND. CONDUIT SIZE | SINGLE PHASE 3-WIRE + GND. CONDUIT SIZE | THREE PHASE 3-WIRE + GND. CONDUIT SIZE | THREE PHASE 4-WIRE + GND. CONDUIT SIZE |
| 15 AMP   | 14 AWG     | 14 AWG                        | 1/2"                                    | 1/2"                                    | 1/2"                                   | 1/2"                                   |
| 20 AMP   | 12 AWG     | 12 AWG                        | 1/2"                                    | 1/2"                                    | 1/2"                                   | 1/2"                                   |
| 25 AMP   | 10 AWG     | 10 AWG                        | 1/2"                                    | 1/2"                                    | 1/2"                                   | 1/2"                                   |
| 30 AMP   | 10 AWG     | 10 AWG                        | 1/2"                                    | 1/2"                                    | 1/2"                                   | 1/2"                                   |
| 35 AMP   | 8 AWG      | 10 AWG                        | 1/2"                                    | 3/4"                                    | 3/4"                                   | 3/4"                                   |
| 40 AMP   | 8 AWG      | 10 AWG                        | 1/2"                                    | 3/4"                                    | 3/4"                                   | 3/4"                                   |
| 45 AMP   | 8 AWG      | 10 AWG                        | 1/2"                                    | 3/4"                                    | 3/4"                                   | 3/4"                                   |
| 50 AMP   | 8 AWG      | 10 AWG                        | 1/2"                                    | 3/4"                                    | 3/4"                                   | 3/4"                                   |
| 60 AMP   | 6 AWG      | 10 AWG                        | 3/4"                                    | 3/4"                                    | 3/4"                                   | 1"                                     |
| 70 AMP   | 4 AWG      | 8 AWG                         | 3/4"                                    | 1"                                      | 1"                                     | 1-1/4"                                 |
| 80 AMP   | 4 AWG      | 8 AWG                         | 3/4"                                    | 1"                                      | 1"                                     | 1-1/4"                                 |
| 90 AMP   | 3 AWG      | 8 AWG                         | 1"                                      | 1"                                      | 1"                                     | 1-1/4"                                 |
| 100 AMP  | 3 AWG      | 8 AWG                         | 1"                                      | 1"                                      | 1"                                     | 1-1/4"                                 |
| 110 AMP  | 2 AWG      | 6 AWG                         | 1"                                      | 1-1/4"                                  | 1-1/4"                                 | 1-1/4"                                 |
| 125 AMP  | 1 AWG      | 6 AWG                         | 1-1/4"                                  | 1-1/4"                                  | 1-1/4"                                 | 1-1/2"                                 |
| 150 AMP  | 1/0 AWG    | 6 AWG                         | 1-1/4"                                  | 1-1/2"                                  | 1-1/2"                                 | 1-1/2"                                 |
| 175 AMP  | 2/0 AWG    | 6 AWG                         | 1-1/4"                                  | 1-1/2"                                  | 1-1/2"                                 | 2"                                     |
| 200 AMP  | 3/0 AWG    | 6 AWG                         | 1-1/4"                                  | 2"                                      | 2"                                     | 2"                                     |
| 225 AMP  | 4/0 AWG    | 4 AWG                         | 1-1/2"                                  | 2"                                      | 2"                                     | 2-1/2"                                 |
| 250 AMP  | 250 kcmil  | 4 AWG                         | 2"                                      | 2"                                      | 2"                                     | 2-1/2"                                 |
| 300 AMP  | 350 kcmil  | 4 AWG                         | 2"                                      | 2-1/2"                                  | 2-1/2"                                 | 2-1/2"                                 |
| 350 AMP  | 500 kcmil  | 3 AWG                         | 2-1/2"                                  | 2-1/2"                                  | 2-1/2"                                 | 3"                                     |
| 400 AMP  | 600 kcmil  | 3 AWG                         | 2-1/2"                                  | 3"                                      | 3"                                     | 3-1/2"                                 |
| NOTE:<br>CONDUCTOR SIZES BASED ON COPPER, TYPE THHN, WITH THREE (MAXIMUM) CURRENT-CARRYING CONDUCTORS IN MINIMUM SIZED EMT. CONDUIT SIZES SHALL BE INCREASED AT CONTRACTOR'S DISCRETION, OR FOR CONDUIT MATERIALS OTHER THAN EMT AS REQUIRED. CONDUCTORS SHALL BE DERATED IF FOUR OR MORE CURRENT-CARRYING CONDUCTORS ARE PLACED IN A RACEWAY OR CABLE. WHERE PLANS INDICATE UP-SIZED CONDUCTORS DUE TO VOLTAGE DROP, THE EQUIPMENT GROUNDING CONDUCTOR SIZE SHALL BE INCREASED PROPORTIONATELY. |            |                               |   |   |  |  |

GENERAL NOTES

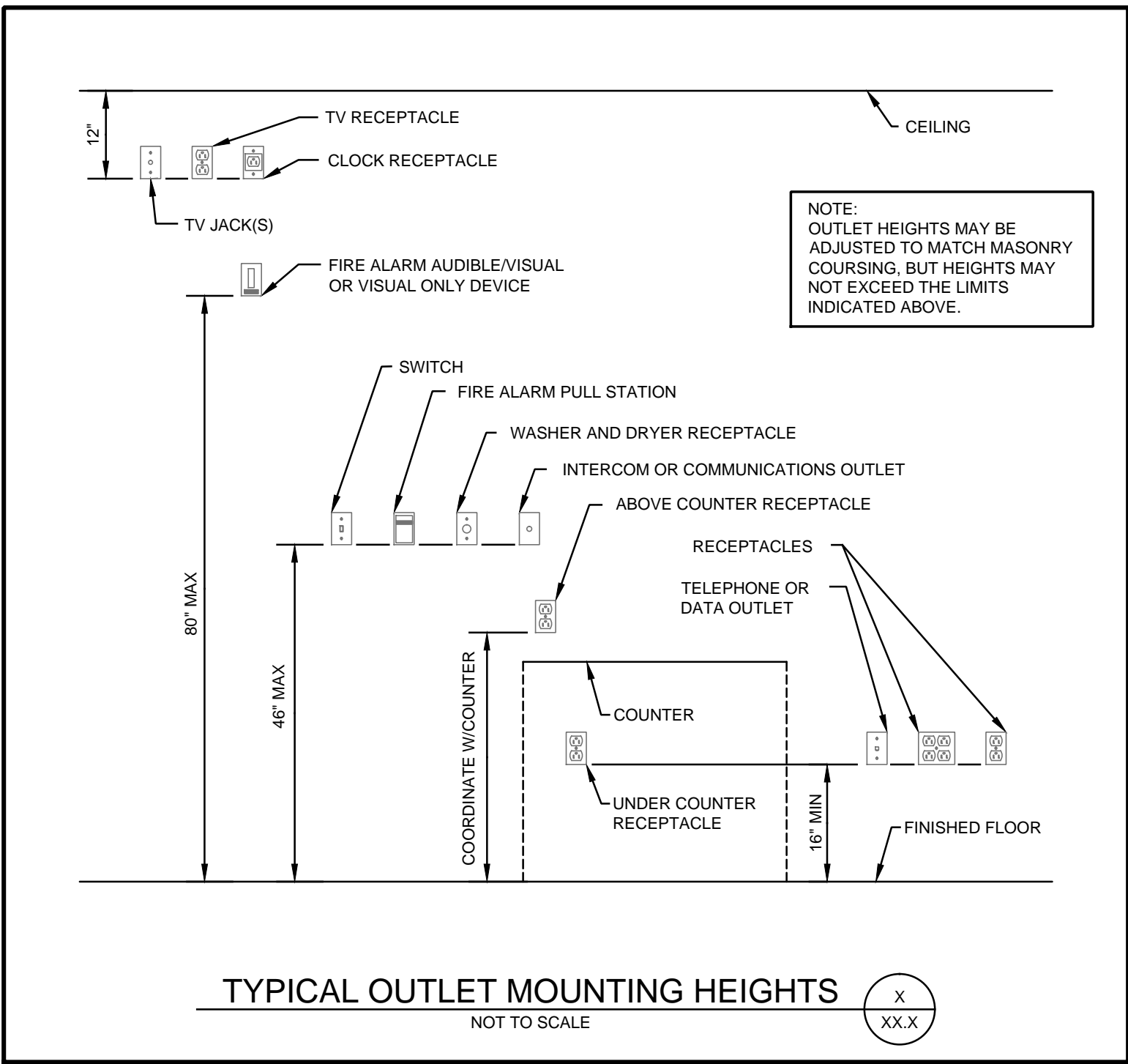
- ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, 2011 EDITION.
- DO NOT SCALE THESE DRAWINGS. OBTAIN DIMENSIONS FROM ARCHITECTURAL PLANS AND/OR FIELD CONDITIONS. COORDINATE LOCATION OF DEVICES AND FIXTURES WITH ARCHITECTURAL PLANS AND ELEVATIONS.
- CONDUCTORS SHALL BE INSULATED COPPER, ROUTED WITHIN CONDUIT OR METAL CABLE ASSEMBLY. BRANCH CIRCUITS AND FEEDERS SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE CIRCUIT CONDUCTORS, SIZED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE ARTICLE 250.
- CONDUIT BELOW GRADE SHALL BE PVC. EXTERIOR CONDUIT ABOVE GRADE SHALL BE RMC. INTERIOR CONDUIT ABOVE SLAB SHALL BE EMT. CONCEAL ALL CONDUIT IN FINISHED SPACES UNLESS NOTED OTHERWISE.
- MC CABLE IS ALLOWED FOR BRANCH CIRCUITRY WITHIN STUD WALLS, AND FOR 60" LENGTH (MAX.) CONNECTIONS TO FIXTURES OR EQUIPMENT. MC CABLE SHALL NOT BE CONNECTED TO SOURCE PANELBOARD.
- DISCONNECT SWITCHES SHALL BE GENERAL DUTY UNLESS OTHERWISE NOTED, NEMA 3R IF LOCATED EXTERIOR.
- ELECTRICAL DEVICES SHALL BE EQUAL TO:

RECEPTACLES  
HUBBELL BR20 SERIES  
GFCI RECEPTACLES  
HUBBELL GF20 SERIES  
MANUAL SWITCHES  
HUBBELL CSB\_20 SERIES

- ACCEPTED MANUFACTURERS ARE EATON, HUBBELL, LEGRAND, AND LEVITON.
- ELECTRICAL DESIGN HEREIN IS BASED IN PART ON EQUIPMENT SPECIFIED IN MECHANICAL DRAWINGS. COORDINATE ELECTRICAL REQUIREMENTS OF EQUIPMENT BEING FURNISHED, AND PROVIDE CORRECT BRANCH CIRCUIT AND OVERCURRENT PROTECTION AT NO ADDITIONAL COST TO THE OWNER. SHOULD THE LOAD OF FURNISHED EQUIPMENT RESULT IN THE NEED TO INCREASE AMPACITY OF ASSOCIATED PANELS OR FEEDERS, THAT WORK SHALL ALSO BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
  - THE CONTRACTOR SHALL INSTALL A COMPLETE AND OPERABLE SYSTEM ACCORDING TO THE INTENT OF THESE DRAWINGS, WHETHER OR NOT ELEMENTS THEREOF ARE SPECIFICALLY CALLED OUT.
  - COORDINATE ALL WORK WITH OTHER TRADES TO AVOID CONFLICTS.
  - FIELD VERIFY THE EXISTING CONDITIONS AND MAKE ALLOWANCES FOR THE SAME.
  - VERIFY ALL SERVICE REQUIREMENTS WITH THE ELECTRIC UTILITY SERVICE PROVIDER AND INCLUDE ALL WORK IN THE BID.

ELECTRICAL DEMOLITION

- REMOVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT AND ASSOCIATED WIRING IN CONFLICT WITH CONSTRUCTION.
- FIXTURES, DEVICES, EQUIPMENT AND ASSOCIATED WIRING THAT ARE REMOVED REMAIN PROPERTY OF THE OWNER UNLESS REJECTED BY THE OWNER IN WRITING.
- EXISTING OUTLET BOXES AND CONDUIT MAY BE USED AS LOCATION PERMITS.
- PATCH AND REPAIR WHERE REQUIRED BY REMOVAL OF EXISTING ELECTRICAL ITEMS.





**CONWAY DUNCAN**  
3015 SOUTH FORT AVENUE | SUITE D  
SPRINGFIELD | MISSOURI | 65804  
P: 417.881.1566 | F: 417.881.8390  
MISSOURI COA: E-2014013301

| Revisions         | By      |
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| Last Modification |         |
| DATE              | INT'L'S |

**Hunter & Millard**  
ARCHITECTS, INC.

3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
Fax: (417) 761-0884

jeff@hunterandmillard.com

website:  
hunterandmillard.com

check us out on Facebook:  
Hunter & Millard Architects, Inc.

**Hunter & Millard**  
ARCHITECTS, INC.

Missouri Certificate of Authority: A-2008008317



Conference Center Renovations

**Leggett & Platt**  
INCORPORATED

#1 Leggett Road Carthage, MO

Drawn By  
cdl

Checked By  
ard/ kno

Date  
1/4/17

Scale  
**As Noted**

Job Number  
1627

Electrical Schedules  
& Details

**E6**

Base Bid 1 Renovation

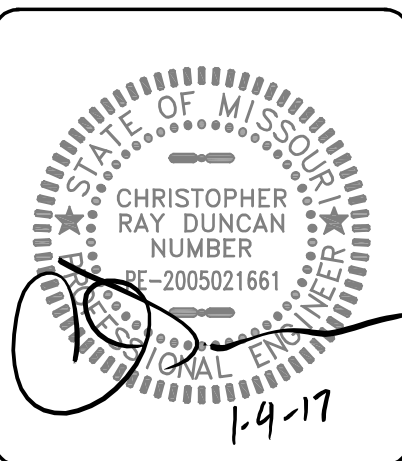
GENERAL NOTES

1. REFER TO THE ARCHITECTURAL PLANS FOR CEILING TYPE AND CEILING HEIGHT.
2. THE CONTRACTOR SHALL PROVIDE A COMPLETE SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 13 AND ALL LOCAL CODES.
3. ANY PIPING SHOWN ON THIS PLAN IS DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL PROVIDE A DETAILED SPRINKLER SYSTEM DESIGN INCLUDING SHOP DRAWINGS AND HYDRAULIC CALCULATIONS PREPARED BY A NICET LEVEL III TECHNICIAN OR A REGISTERED ENGINEER. THE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE REVIEWED BY CONWAY DUNCAN, INC. PRIOR TO CONSTRUCTION.
4. FREEZE PROTECTION: WHERE PIPING IS TO BE LOCATED IN AREAS SUBJECT TO FREEZING, SUCH AS ATTICS OR OTHER UNHEATED AREAS, PROVISIONS SHALL BE MADE FOR FREEZE PROTECTION.
5. AVAILABLE FLOW & PRESSURE: VERIFY WITH THE UTILITY COMPANY.
6. MONITORING SYSTEM: PROVIDE A SYSTEM FOR DETECTION OF FLOW AND SUPERVISION OF VALVES, CAPABLE OF COMMUNICATING WITH THE OWNERS' MONITORING COMPANY. PROVIDE ALL WIRING, ROUTE COMMUNICATION CABLE TO TELEPHONE EQUIPMENT FOR CONNECTIONS BY OWNER.
7. THE CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.
8. COORDINATE ALL HEAD AND PIPE LOCATIONS WITH THE WORK OF OTHER TRADES. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
9. THE CONTRACTOR SHALL INSTALL A COMPLETE AND OPERABLE SYSTEM TO PROTECT THE BUILDING AS REQUIRED, WHETHER OR NOT EVERY ELEMENT REQUIRED IS SPECIFICALLY CALLED OUT.
10. THESE DRAWINGS ARE DIAGRAMMATIC AND SHOULD NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

| Revisions         | By       |
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|                   |          |
|                   |          |
| Last Modification |          |
| DATE              | INITIALS |

Hunter & Millard  
ARCHITECTS, INC.  
3323 E. 32nd St. Suite 'B'  
Joplin, Missouri 64804  
(417) 624-8872  
fax: (417) 781-0884  
jeff@hunterandmillard.com  
website:  
hunterandmillard.com  
check us out on Facebook:  
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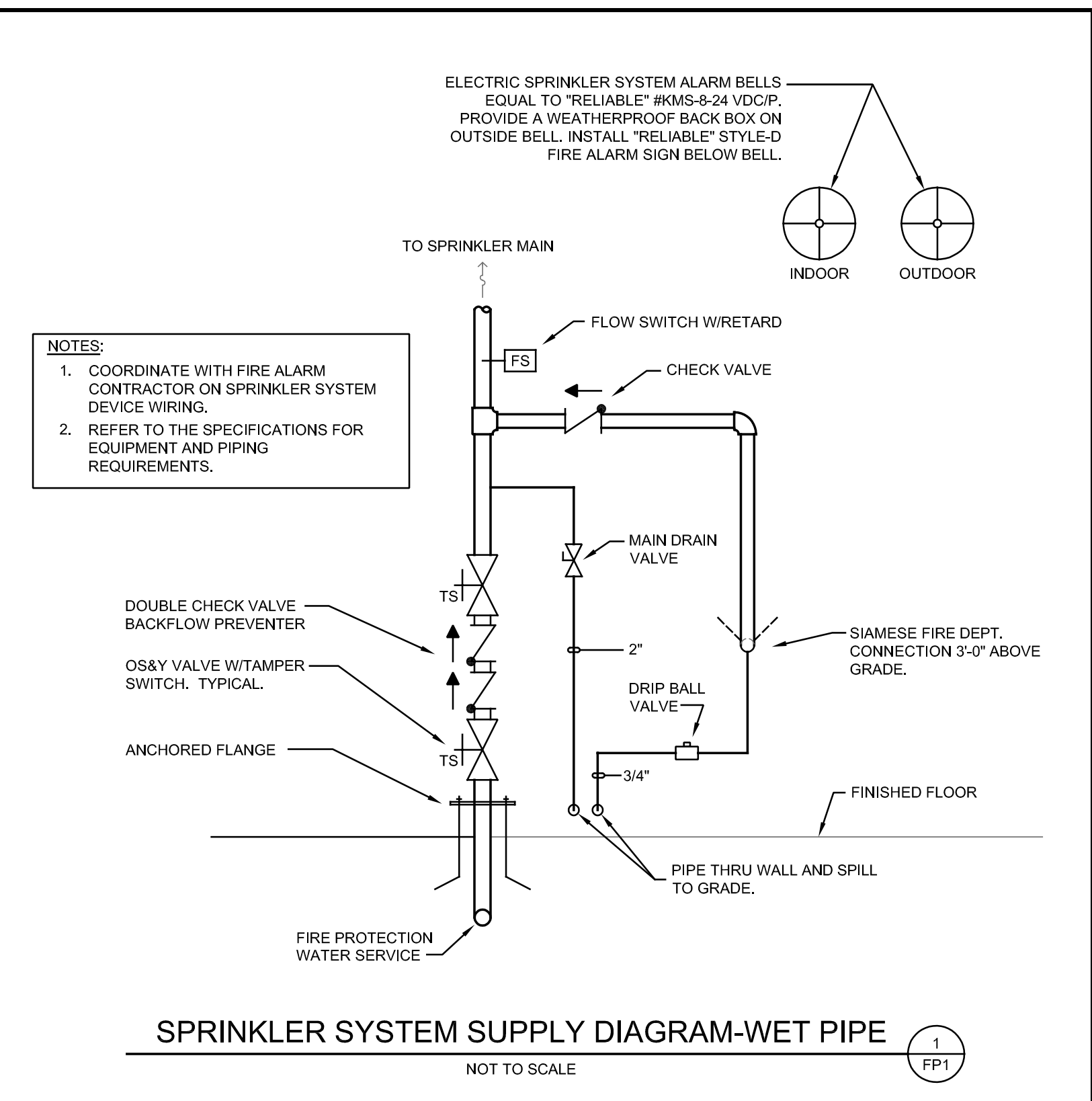
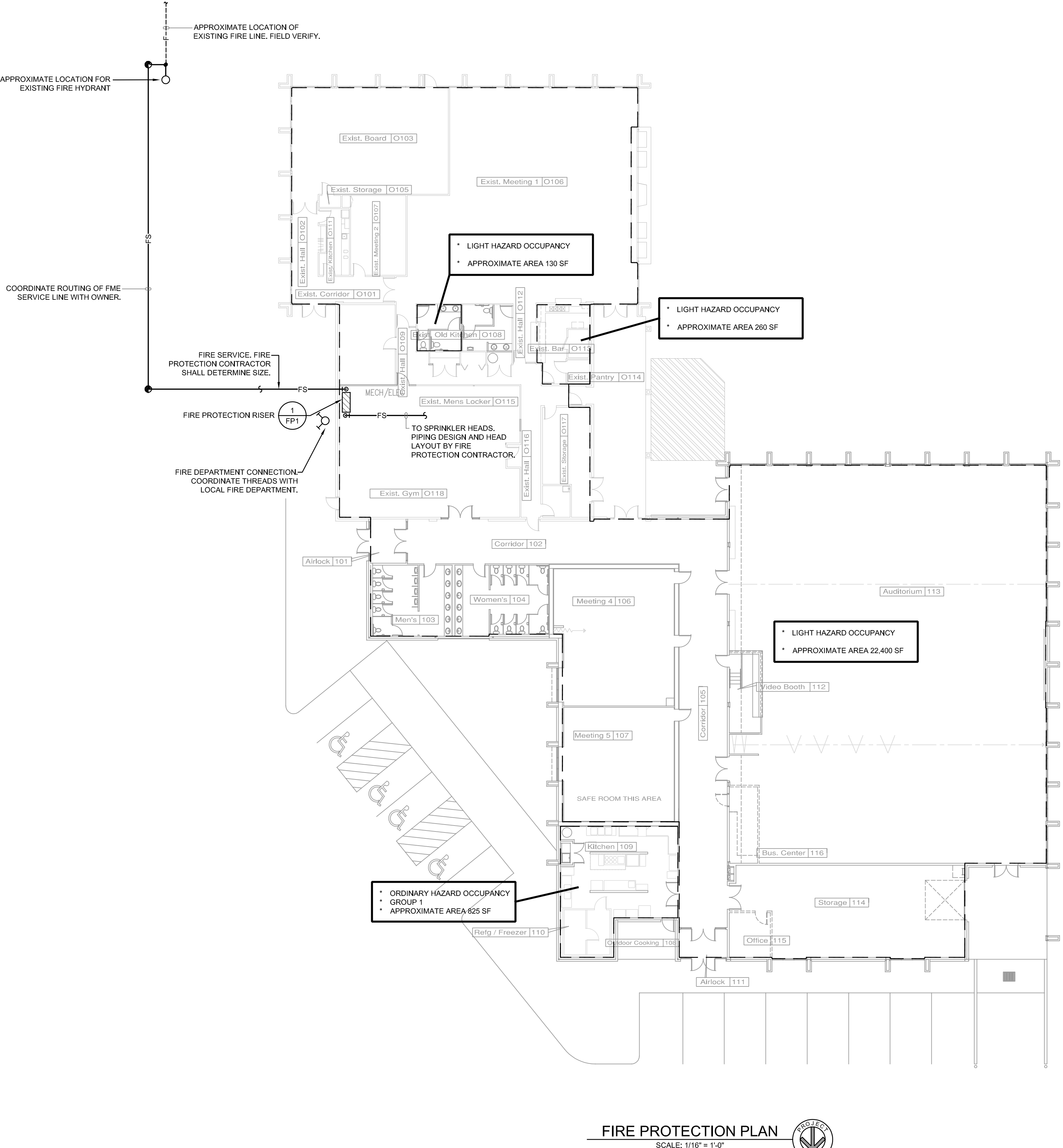
Hunter & Millard  
ARCHITECTS, INC.  
Missouri Certificate of Authority: A-2008003317



Conference Center Renovations  
*Leggett & Platt*  
INCORPORATED  
#1 Leggett Road Carthage, MO

|                                |
|--------------------------------|
| Drawn By<br>edl                |
| Checked By<br>crel/knc         |
| Date<br>1/4/17                 |
| Scale<br>As Noted              |
| Job Number<br>1627             |
| FIRE PROTECTION<br>PLAN<br>FP1 |
| Base Bid 1 Renovation          |

CONWAY DUNCAN  
3015 SOUTH FORT AVENUE | SUITE D  
SPRINGFIELD | MISSOURI | 65804  
P: 417.881.1586 | F: 417.881.8390  
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FIRE PROTECTION PLAN  
SCALE: 1/16" = 1'-0"