



# CHEROKEE NATION SALINE COURTHOUSE RESTORATION

## ALLOWANCES

ALLOWANCES	DESCRIPTION
1. EXTERIOR WOOD SIDING	PROVIDE ALLOWANCE OF \$5,000 FOR REPLACEMENT OF EXTERIOR WOOD SIDING.

## ALTERNATES

ADD ALTERNATES	DESCRIPTION
1. 2ND FLOOR RESTROOM	ADD ALTERNATE #1 TO BE THE INCLUSION OF THE 2ND FLOOR RESTROOM WITH ITS REQUISITE FINISHES, PLUMBING FIXTURES AND PIPING, RESTROOM ACCESSORIES, DOOR HARDWARE, AND WINDOW TREATMENTS AND HARDWARE. BASE BID TO INCLUDE FINISHES AND HARDWARE AS INDICATED ON THE APPLIED FINISH LEGEND AND SHEETS A102 & A400. UNLESS NOTED OTHERWISE, ALL MECHANICAL AND ELECTRICAL TO BE INSTALLED WITH BASE BID.
2. TERMITE PROTECTION	ADD ALTERNATE #2 TO BE THE PROVISION OF TERMITE PROTECTION PER SPECIFICATION SECTION 31 3116.
3. CRAWL SPACE INSULATION	ADD ALTERNATE #3 TO BE THE PROVISION OF CRAWL SPACE INSULATION PER SPECIFICATION SECTION 07 2100 AND AS SHOWN IN DETAIL 2/A101.
4. EXTERIOR PAINT	ADD ALTERNATE #4 TO BE THE INCLUSION OF XP-A FOR ALL EXTERIOR WOOD SIDING, DOORS, WINDOW AND DOOR TRIM, COLUMNS, HANDRAILS, SOFFITS AND EAVES.
5. WINDOWS & TRIM	ADD ALTERNATE #5 TO BE THE REMOVAL AND REPLACEMENT OF ALL WINDOWS AND ASSOCIATED EXTERIOR AND INTERIOR WINDOW TRIM AS INDICATED ON THE APPLIED FINISH LEGEND. INCLUDE FLASHING AS REQUIRED.

**BID SET**  
**02.23.18**

ARCHITECT:  
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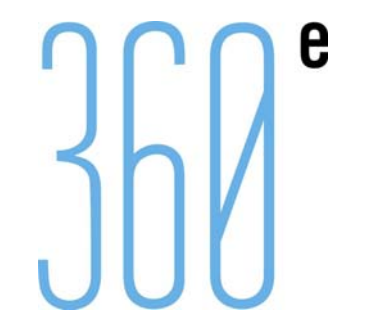
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**GENERAL CONSTRUCTION NOTES:**

CONDUCT SITE CLEARING OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION. STREETS AND ROADWAYS SHALL BE THOROUGHLY CLEANED AND/OR SWEEPED ON A DAILY BASIS OR AS FREQUENTLY AS REQUIRED BY THE GOVERNING AUTHORITY.

THE CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES IN ACCORDANCE WITH LOCAL AUTHORITIES.

ALL STREET SURFACES, DRIVEWAYS, CULVERTS, ROADSIDE DRAINAGE DITCHES AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED OR REPLACED WITH LIKE KIND TO THE SATISFACTION OF THE OWNER.

UNLESS SPECIFIED OTHERWISE, ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY STANDARDS AND 2009 OKLAHOMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND/OR THE APPROPRIATE LOCAL AUTHORITIES.

ALL ELEVATIONS IN PAVED AREAS ARE TOP OF FINISHED PAVEMENT UNLESS OTHERWISE NOTED.

RELOCATION OF ANY UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROPRIATE UTILITY COMPANY AND/OR REGULATORY AGENCY. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM ENGINEER BEFORE ANY UTILITY RELOCATION.

NO DIMENSION MAY BE SCALED. REFER UNCLEAR ITEMS TO THE ENGINEER FOR INTERPRETATION.

ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS AND CURB RAMPS SHALL COMPLY WITH THE AMERICAN DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES, AND INTERIM FINAL RULES FOR PUBLIC RIGHT-OF-WAY, PUBLISHED IN THE FEDERAL REGISTER, SEPTEMBER 15, 2010. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUT PRIOR, WRITTEN PERMISSION FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

CROSS SLOPES FOR SIDEWALKS SHALL NOT EXCEED 1:50  
RAMP SLOPES SHALL NOT EXCEED 1:12  
GRADES EXCEEDING 5% WILL BE TREATED AS A RAMP SLOPE

FINISHED SUBGRADE SURFACE SHALL NOT BE MORE THAN 0.1 FEET ABOVE OR BELOW ESTABLISHED FINISHED SUBGRADE ELEVATIONS AND ALL GROUND SURFACES SHALL VARY UNIFORMLY BETWEEN INDICATED ELEVATIONS. FINISHED DITCHES SHALL BE GRADED TO ALLOW FOR PROPER DRAINAGE WITHOUT PONDING AND IN A MANNER THAT WILL MINIMIZE EROSION.

THE CONTRACTOR SHALL APPLY & ENFORCE ALL SAFETY MEASURES PER THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.

**OKIE:**

ALL CONTRACTORS SHALL NOTIFY UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING OF THE INTENT TO EXCAVATE NO LESS THAN 72 HOURS PRIOR TO SUCH EXCAVATION (EXCLUSIVE OF SATURDAYS, SUNDAYS AND HOLIDAYS) AND CALL "OKIE" AT 1-800-522-6543 OR 811.

EXISTING LOCATIONS SHOWN SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. LOCATIONS OF UNDERGROUND UTILITIES ON THE DRAWINGS ARE APPROXIMATE ONLY AND BASED ON ACTUAL FIELD LOCATIONS OF VISIBLE STRUCTURES AND PLAN COMPUTATIONS.

**EROSION CONTROL NOTES:**

ALL EROSION CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH O.D.O.T. STANDARDS AND SPECIFICATIONS, AND BEST MANAGEMENT PRACTICES.

IF ANY DISTURBED EARTH SURFACES WHICH ARE NOT PAVED OR BUILDING PADS ARE NOT COVERED WITH PERMANENT EROSION CONTROL WITHIN 14 DAY OF WORK BEING COMPLETED IN THAT AREA, TEMPORARY EROSION CONTROL SHALL BE IMPLEMENTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A STABILIZED CONSTRUCTION ENTRANCE, AND FOR CLEANING OF VEHICLE WHEELS IN ACCORDANCE WITH THE O.D.O.T. STANDARDS AND SPECIFICATIONS.

SILT FENCES: PLACEMENT OF SILT FENCES SHALL BE AS SHOWN ON THE EROSION CONTROL PLAN. FENCING WHICH BECOMES DAMAGED SHALL BE REPLACED PROMPTLY. DEPOSITS OF SILT WHICH BUILD UP BEHIND DIKES MAY BE DISKED INTO THE SITE BEFORE PLACEMENT OF TEMPORARY COVER. AFTER TEMPORARY COVER IS PLACED OR AFTER LANDSCAPING COMMENCES, SILT SHALL BE REMOVED AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

**TEMPORARY EROSION CONTROL:**

ALL DISTURBED EARTH SURFACES WHICH ARE NOT PAVED OR BUILDING PADS SHALL BE LANDSCAPED OR REVEGETATED WITH A TEMPORARY COVER, DEPENDING ON THE PLANTING SEASON, AS OUTLINED BELOW.

PLANT TYPE	PER ACRE	PER 1000 SQ. FT.	PLANTING DATE	DEPTH OF SEEDING
ANNUAL RYEGRASS	40 LBS.	0.9 LBS.	09/05-11/30	1/4 INCH
ELBON RYE	2 BU.	3.0 LBS.	08/15-11/30	2 INCH
WHEAT	2 BU.	3.0 LBS.	08/15-11/30	2 INCH
OATS	3 BU.	2.5 LBS.	08/15-11/30	2 INCH
SORGHUMS	60 LBS.	1.4 LBS.	03/01-09/15	2 INCH
SUDAN GRASS	60 LBS.	0.9 LBS.	04/01-09/15	2 INCH

PRIOR TO SEEDING, NEEDED EROSION CONTROL PRACTICES SHALL BE INSTALLED.

THE SUBGRADE SHALL BE LOOSENEED EVENLY TO A DEPTH OF 2 TO 3 INCHES AND 10-20-10 FERTILIZER (10 LBS. PER 1000 SQ. FT. OR 450 LBS. PER ACRE) SHALL BE MIXED WITH THE LOOSENEED SOIL BY DISKING OR OTHER SUITABLE MEANS.

SOIL SHALL BE TESTED AND LIME TREATED, IF REQUIRED, BY TESTING FIRM.

SEEDS MAY BE DRILLED OR BROADCAST UNIFORMLY.

SEEDING IMPLEMENTS SHOULD BE USED AT RIGHT ANGLES TO THE SLOPE TO MINIMIZE EROSION.

MULCH SHALL BE USED ON ALL SLOPES GREATER THAN 5 PERCENT OR AS NEEDED.

THE AREA SHALL BE WATERED DAILY OR AS OFTEN AS NECESSARY TO MAINTAIN ADEQUATE SOIL MOISTURE UNTIL THE PLANTS EXCEED 1 INCH IN HEIGHT.

**PERMANENT EROSION CONTROL:**

THE CONTRACTOR SHALL PLACE SOLID SLAB SOD ON ALL DISTURBED AREAS.

**GENERAL DEMOLITION:**

DISPOSAL OF CLEARED TREES AND VEGETATION SHALL BE PERFORMED IN A MANNER THAT MEETS ALL LOCAL AND FEDERAL CODES.

ALL UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE PLUGGED WITH CONCRETE SUCH THAT THE CONCRETE PLUG FILLS UP A MINIMUM OF 2 FEET OF PIPE ON EACH END.

**AS-BUILTS:**

THE CONTRACTOR SHALL KEEP ON SITE A CURRENT SET OF THE APPROVED CONSTRUCTION WORKING DRAWINGS AT ALL TIMES. THE CONTRACTOR SHALL MARK (IN RED INK) ALL APPROVED CHANGES INCURRED FOLLOWING OWNERS APPROVAL OF THE INITIAL DRAWINGS. THESE CHANGES MAY BE INITIATED FROM FIELD CONDITIONS OR CHANGES MADE BY THE DESIGN ENGINEER OR THE OWNER. EXCEPT FOR MINOR FIELD ADJUSTMENTS, ALL CHANGES SHALL BE REVIEWED AND AGREED TO BY THE DESIGN ENGINEER AND THE OWNER PRIOR TO FINAL APPROVAL OF THE PROJECT. THE CONTRACTOR SHALL SUBMIT THE WORKING DRAWINGS TO THE ENGINEER OF RECORD (DESIGN ENGINEER) AFTER FINAL INSPECTION OF PROJECT TO SERVE AS A BASIS FOR DEVELOPMENT OF FINAL AS-BUILT RECORD DRAWINGS.

**TRAFFIC CONTROL:**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BARRICADES, LIGHTS, AND SIGNING WITHIN THE LIMITS OF CONSTRUCTION. ALL CONSTRUCTION SIGNING WILL BE DONE ACCORDING TO STANDARDS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (CURRENT EDITION).

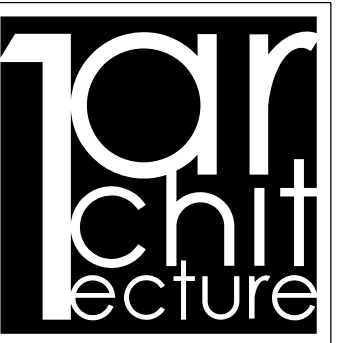
THE CONTRACTOR SHALL FURNISH AND INSTALL SUCH LIGHTS, SIGNS, BARRICADES, AND PROVIDE FLAGGERS NECESSARY FOR THE CONTROL, SAFETY, AND MAINTENANCE OF TRAFFIC.

ALL CONSTRUCTION WORK ZONE SIGNS SHALL HAVE FLUORESCENT SHEETING. THE FLUORESCENT SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956 (LATEST REVISION)

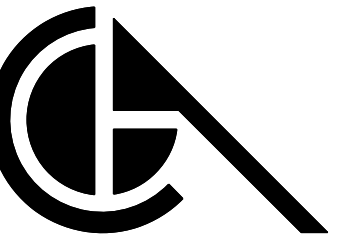
ANY DAMAGE TO A FINISHED OR EXISTING SURFACE RESULTING FROM THE CONTRACTORS NEGLIGENCE IN THE REMOVAL OF CONSTRUCTION ZONE PAVEMENT MARKERS OR CHANNELIZING DEVICES AND THE BITUMINOUS ADHESIVE USED IN THEIR INSTALLATION, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.

**ODOT 2009 STANDARDS**

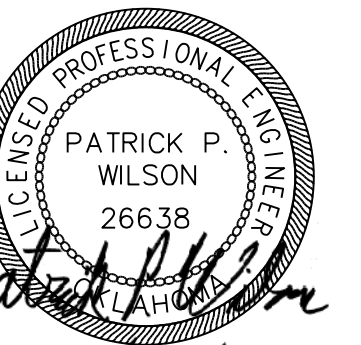
SSS-1	SOLID SLAB SODDING
TSC2-3	TEMPORARY SEDIMENT CONTROLS
TSD-2	TEMPORARY SILT DIKE
PUD-3	PIPE UNDERDRAIN INSTALLATION
SSPI-1	SQUARE TUBE POST DETAIL



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EXPIRES: 6/30/18



*Patrick P. Wilson*  
2/23/18

KEY PLAN:

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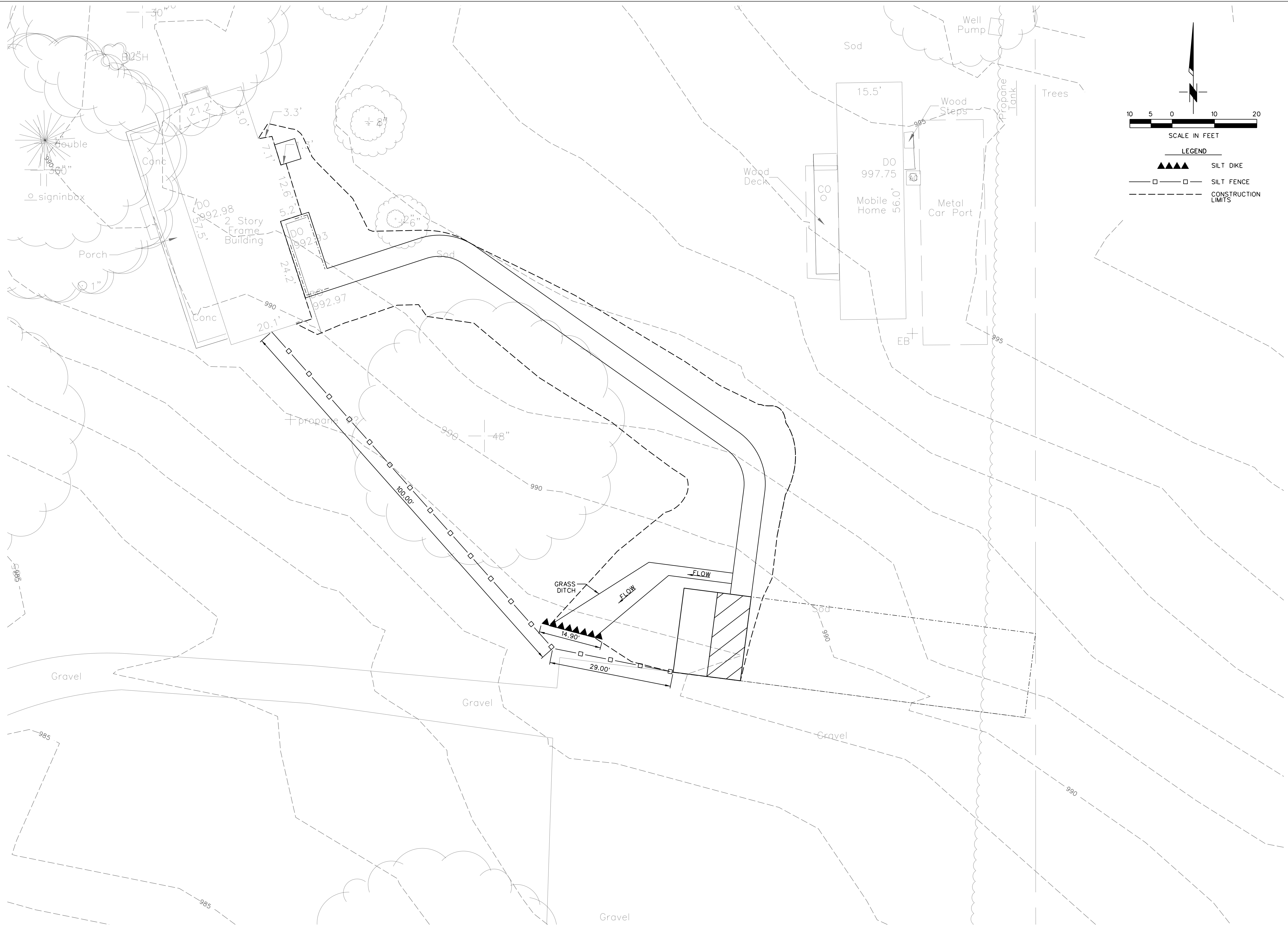
**CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION**  
ROSE, OK. 74364

NO.	REVISION	DATE

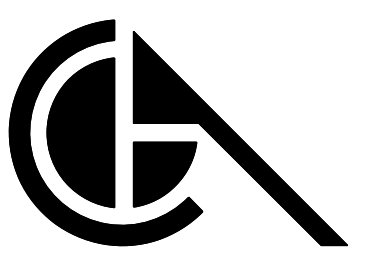
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CSK  
CHECKED BY:  
PW  
SHEET TITLE:

**GENERAL NOTES**

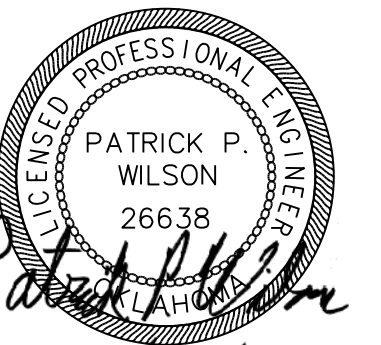
**C100**



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*Patrick P. Wilson*  
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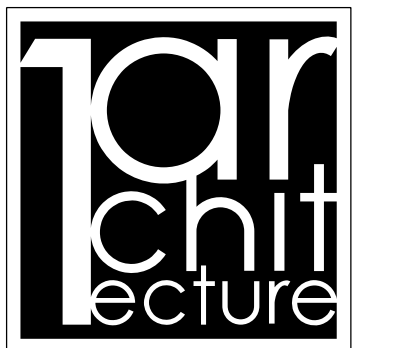
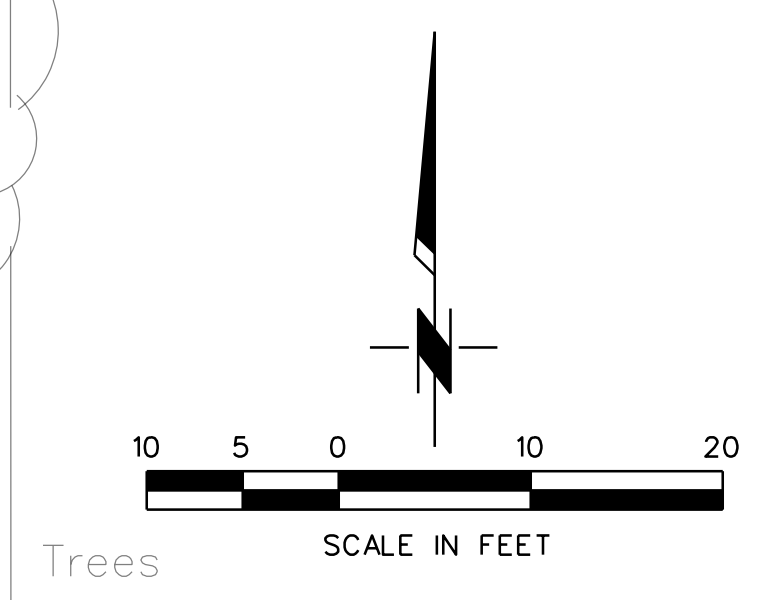
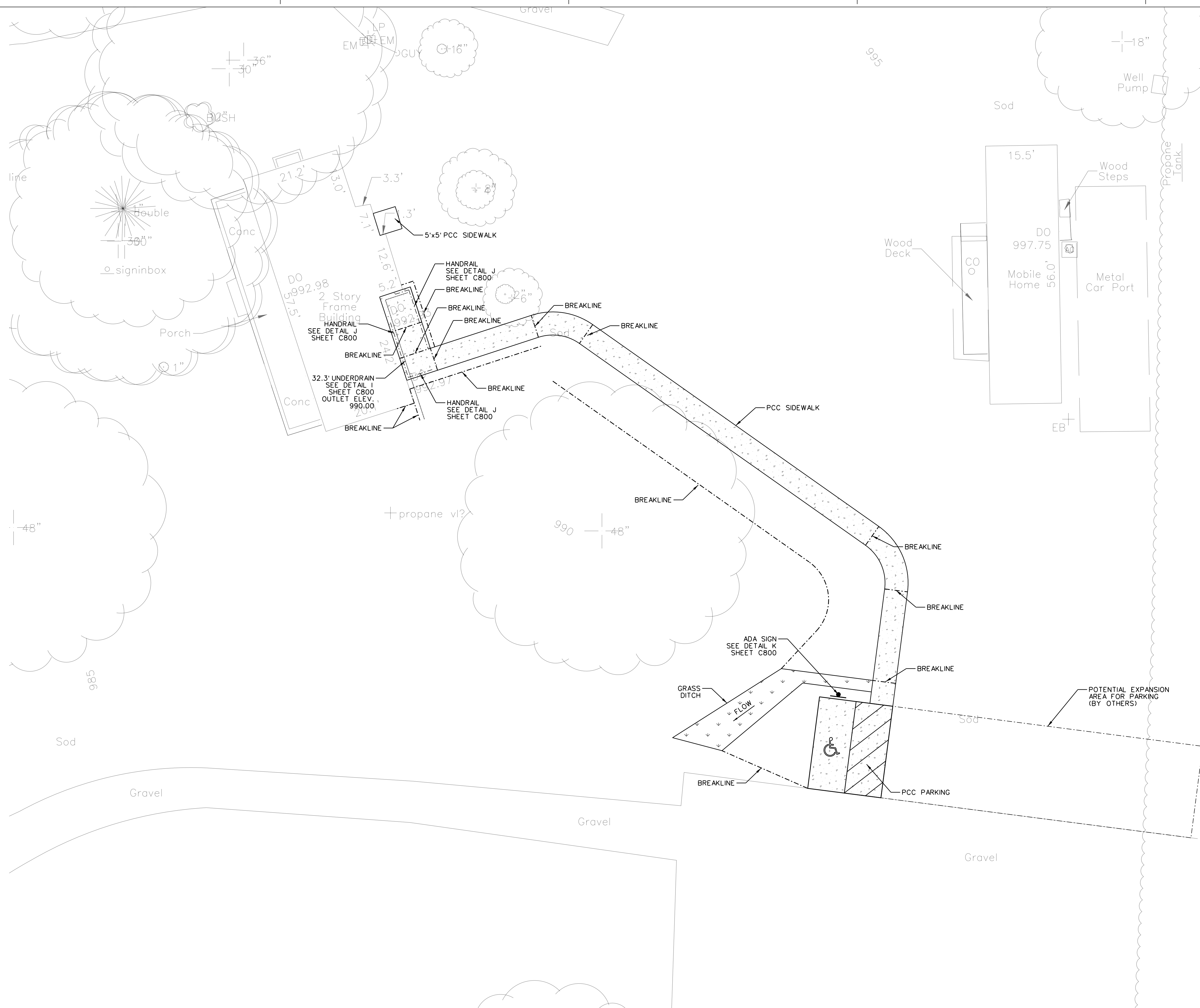
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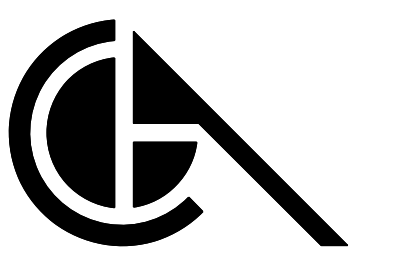
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**EROSION CONTROL**

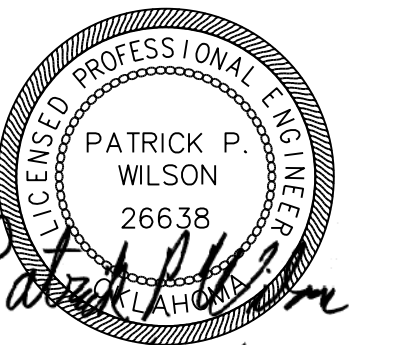
**C101**



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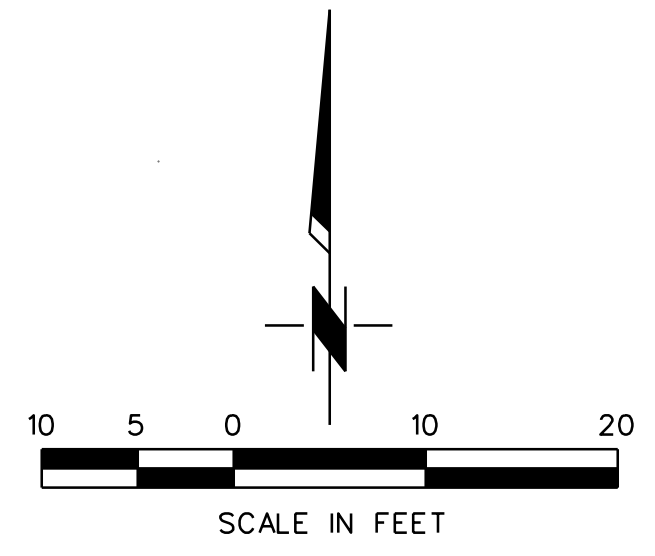
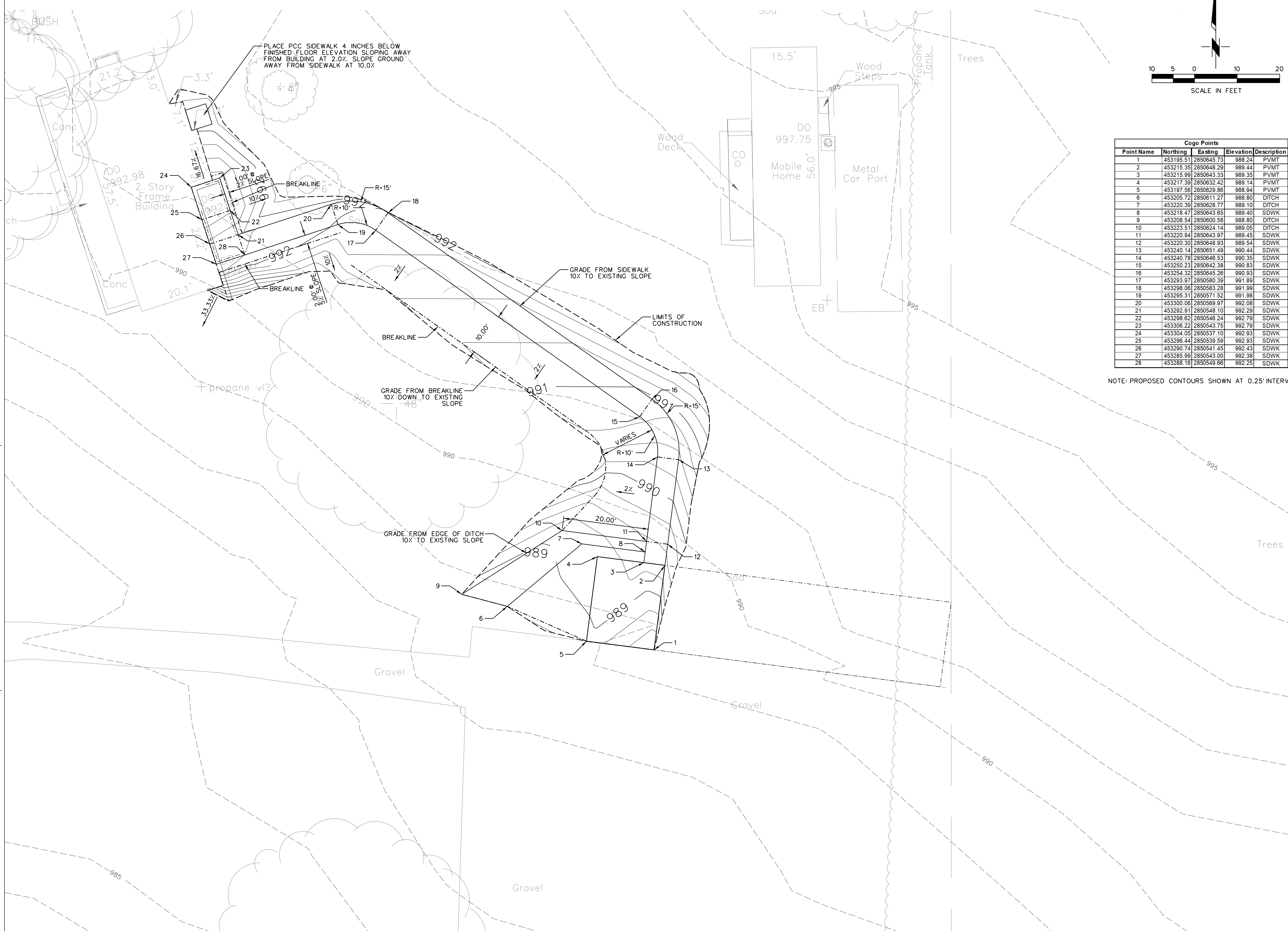
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**SITE PLAN**

**C200**

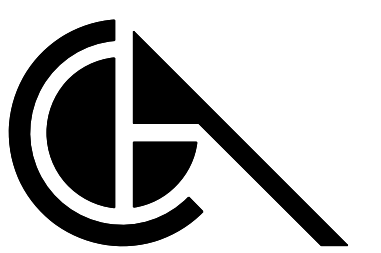


Cogo Points				
Point Name	Northing	Easting	Elevation	Description
1	453195.51	2850645.73	988.24	PVMT
2	453215.35	2850648.29	989.44	PVMT
3	453215.99	2850643.33	989.35	PVMT
4	453217.39	2850632.42	989.14	PVMT
5	453197.56	2850629.86	988.94	PVMT
6	453205.72	2850811.27	988.80	DITCH
7	453220.39	2850628.77	989.10	DITCH
8	453218.47	2850643.65	989.40	SDWK
9	453208.54	2850600.58	988.80	DITCH
10	453223.51	2850624.14	989.05	DITCH
11	453220.94	2850643.97	989.45	SDWK
12	453220.30	2850648.93	989.54	SDWK
13	453240.14	2850651.49	990.44	SDWK
14	453240.78	2850646.53	990.35	SDWK
15	453250.23	2850642.38	990.83	SDWK
16	453254.32	2850645.26	990.93	SDWK
17	453293.97	2850580.39	991.89	SDWK
18	453298.06	2850583.28	991.99	SDWK
19	453295.31	2850571.52	991.88	SDWK
20	453300.06	2850569.97	992.08	SDWK
21	453292.91	2850548.10	992.29	SDWK
22	453298.62	2850546.24	992.79	SDWK
23	453308.22	2850543.75	992.79	SDWK
24	453304.05	2850537.10	992.83	SDWK
25	453296.44	2850539.59	992.93	SDWK
26	453290.74	2850541.45	992.43	SDWK
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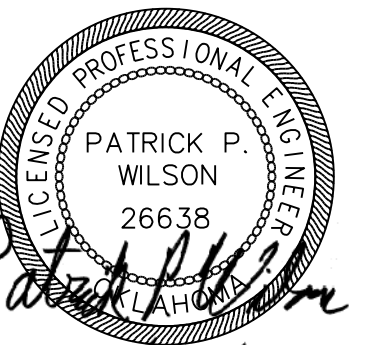
NOTE: PROPOSED CONTOURS SHOWN AT 0.25' INTERVAL



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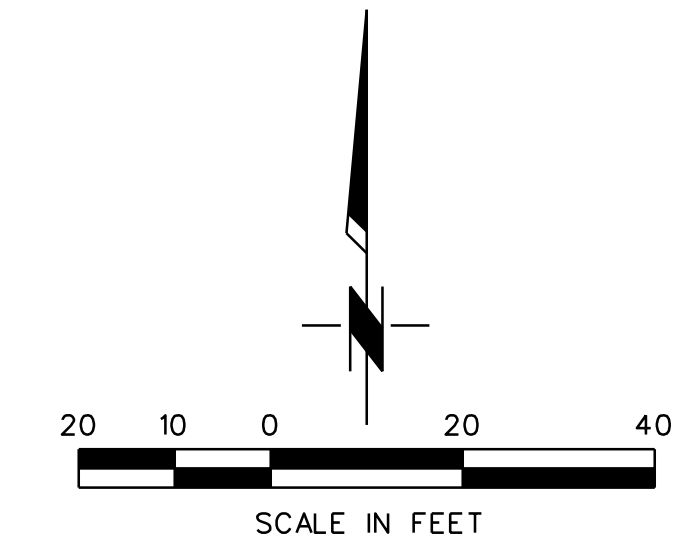
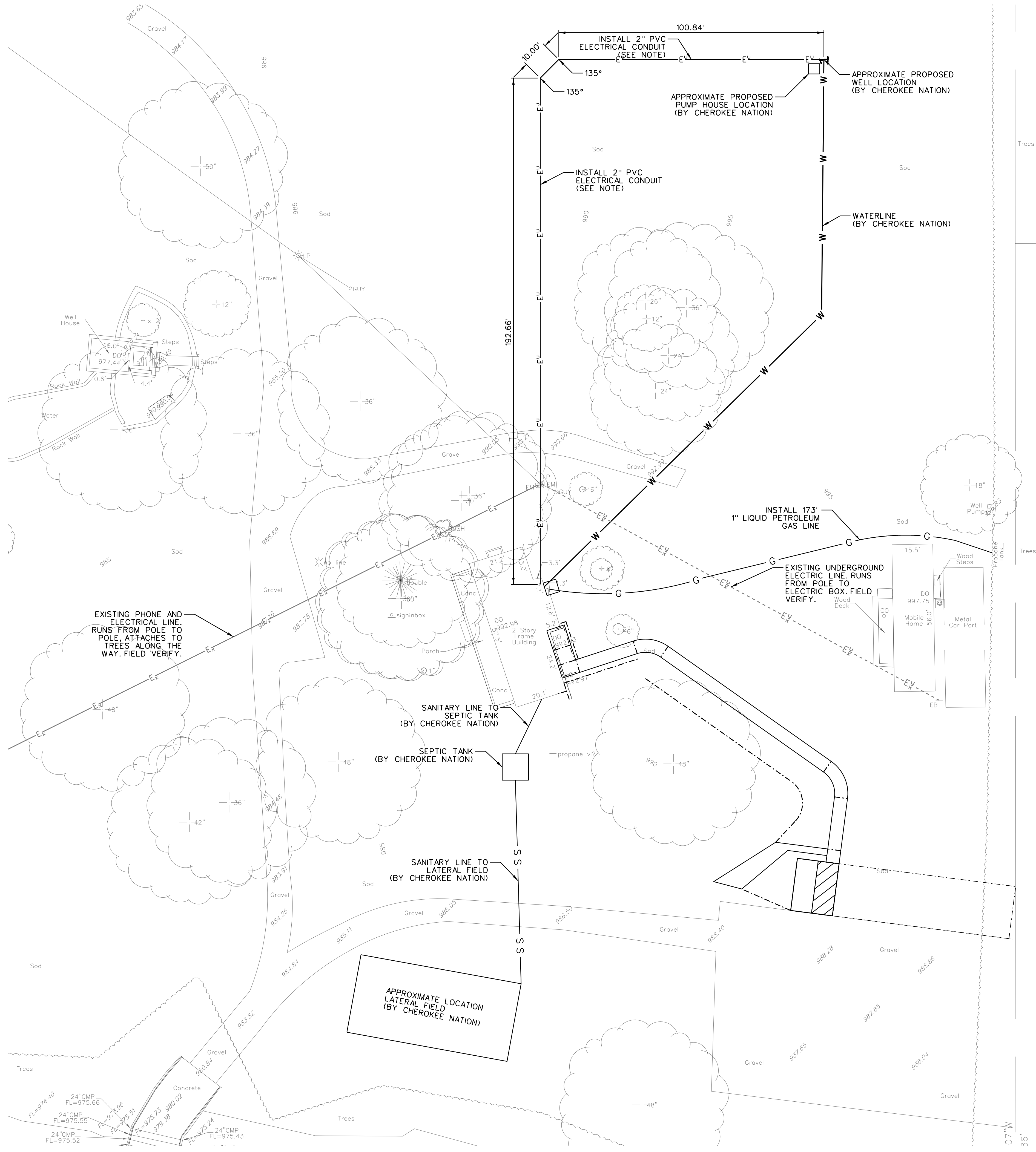
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**GRADING/LAYOUT  
PLAN**

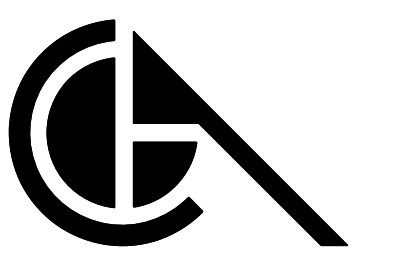
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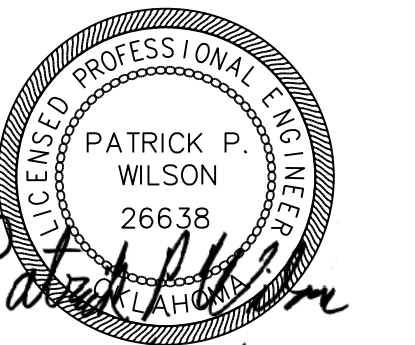
NOTE:  
 ITEMS LABELED "BY CHEROKEE NATION"  
 ARE NOT INCLUDED IN THIS CONTRACT.  
 THE CONTRACTOR SHALL VERIFY THE PUMP  
 LOAD REQUIREMENTS WITH THE OWNER AND  
 SIZE AND INSTALL THE ELECTRICAL CONDUIT  
 PER THE LOAD REQUIREMENTS.



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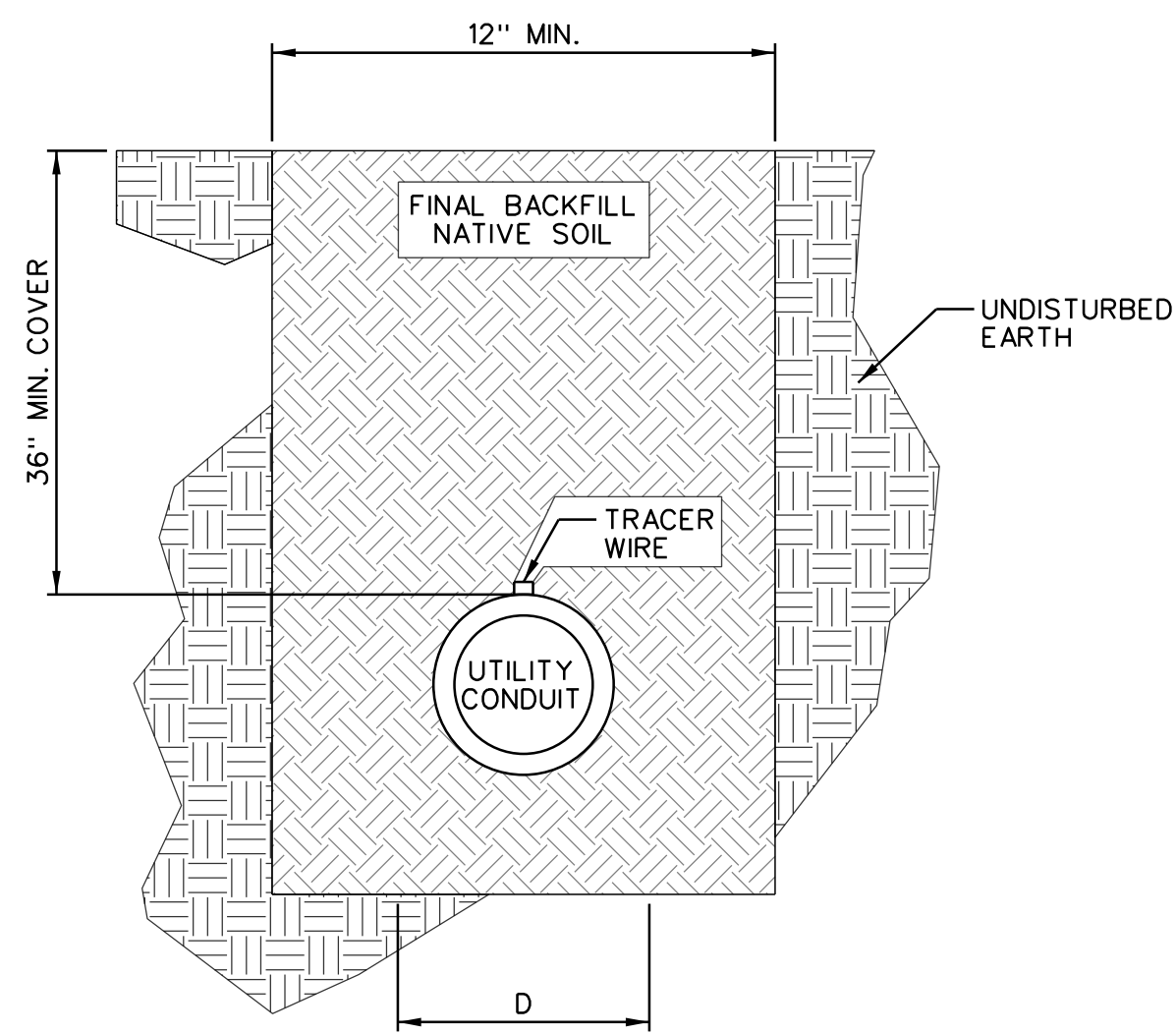
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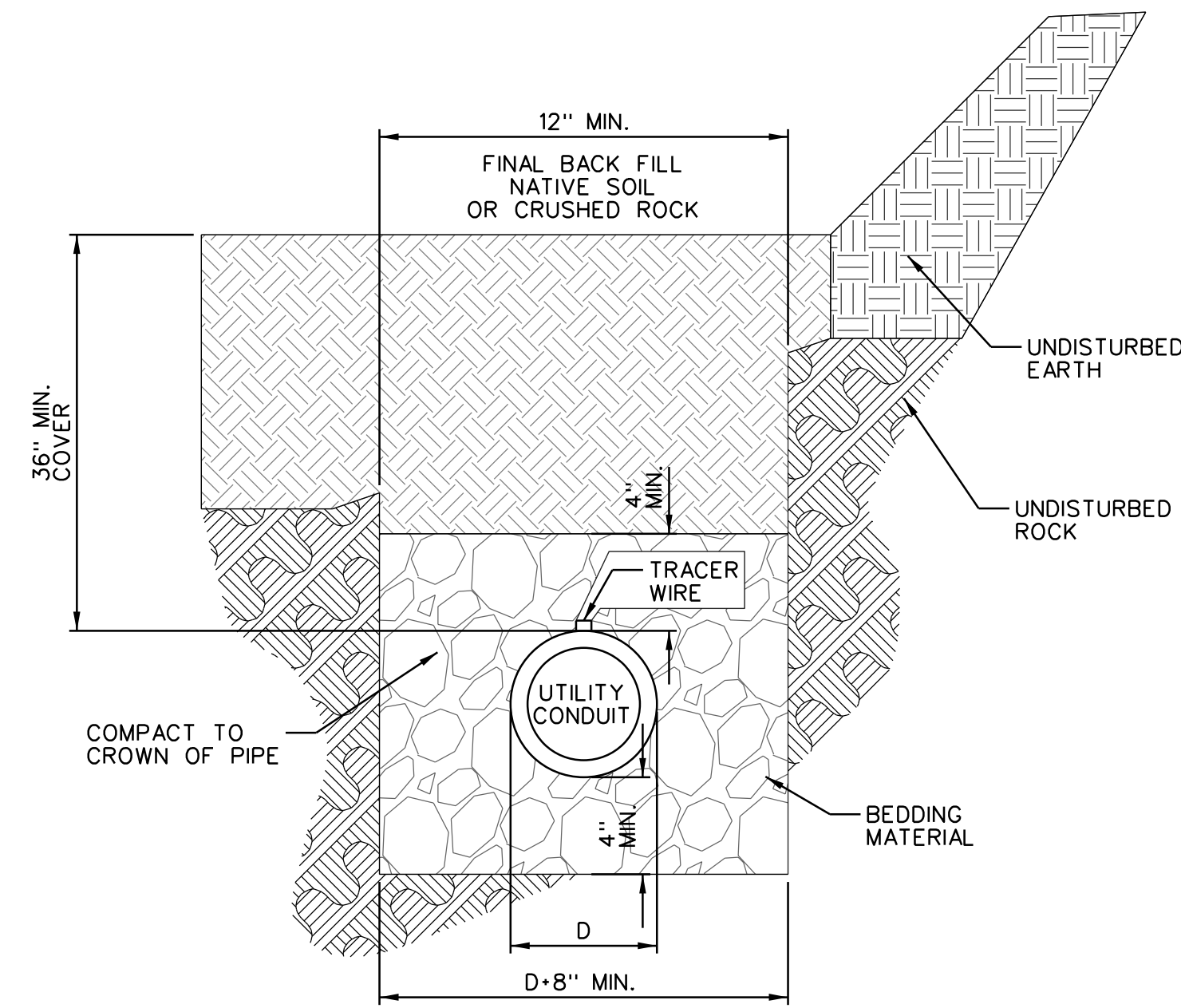
**UTILITY PLAN**

**C500**



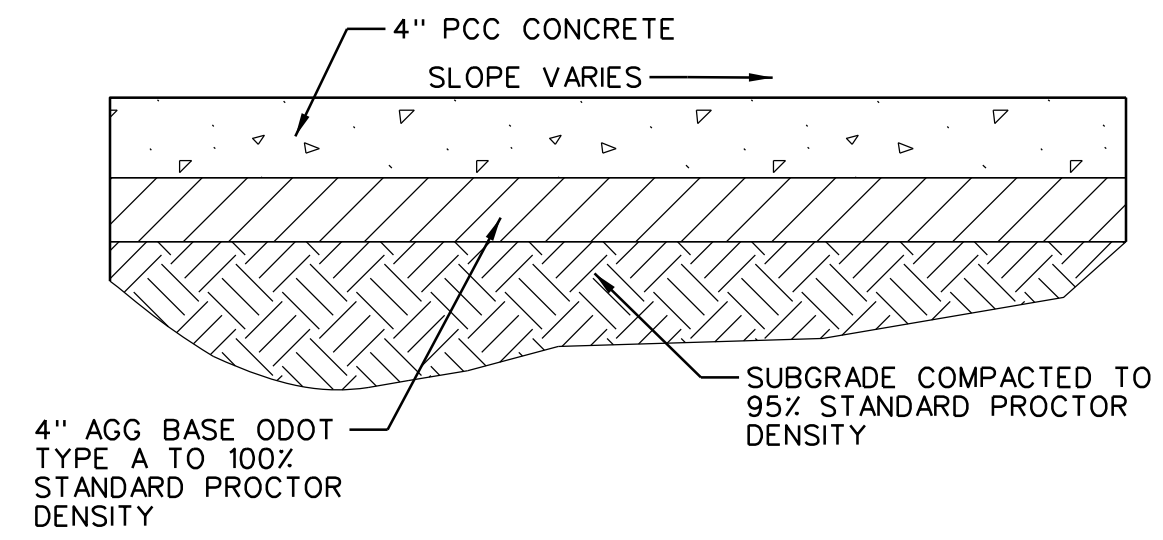
**A UTILITY TRENCH DETAIL, NO ROCK**  
SCALE: N.T.S.

1. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR TRENCH SETTLEMENT AND MAINTAIN TRENCH FREE OF DEPRESSIONS AT SURFACE.
2. A COVER DEPTH OF 1.5 PIPE DIAMETERS WILL USUALLY PREVENT FLOATATION.
3. UNDER ALL PAVEMENT, BEDDING AND BACKFILL SHALL BE ODOT CLASS 67 OR CLASS 57 CRUSHED ROCK COMPACTED TO 95% STANDARD PROCTOR DENSITY, PLACED IN HORIZONTAL LAYERS NOT TO EXCEED 8" AND COMPACTED.
4. NATIVE SOIL BACKFILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY, PLACED IN HORIZONTAL LAYERS NOT TO EXCEED 8" AND COMPACTED.

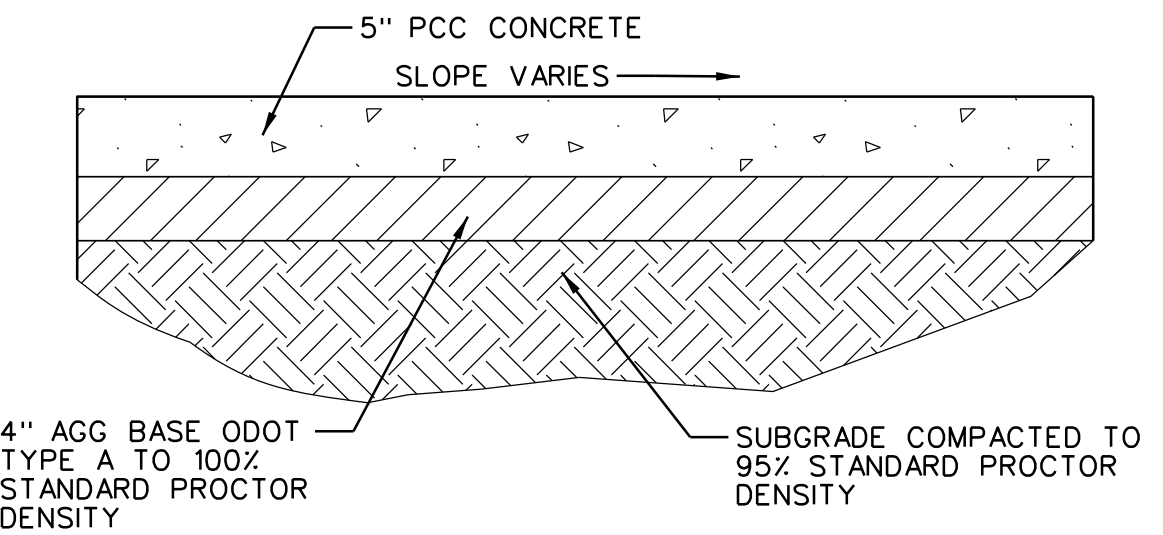


**B UTILITY TRENCH DETAIL, ROCK ENCOUNTERED**  
SCALE: N.T.S.

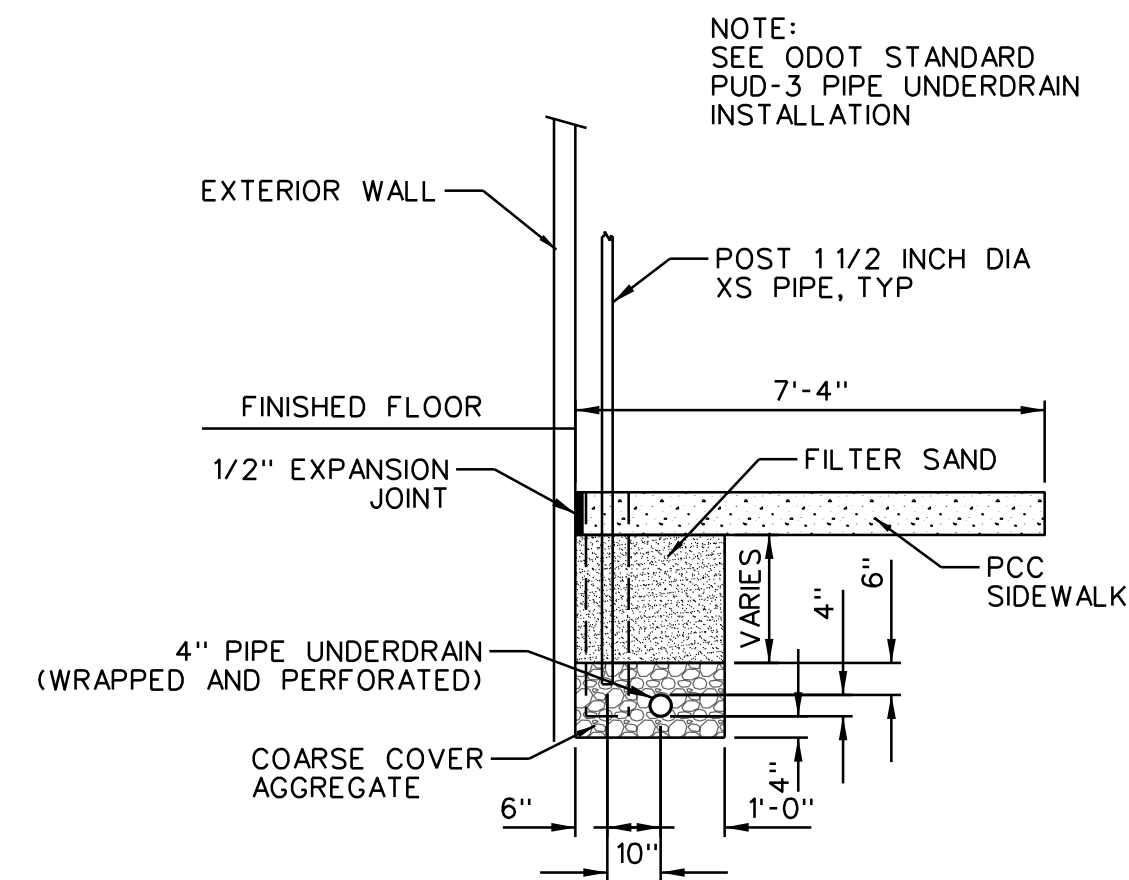
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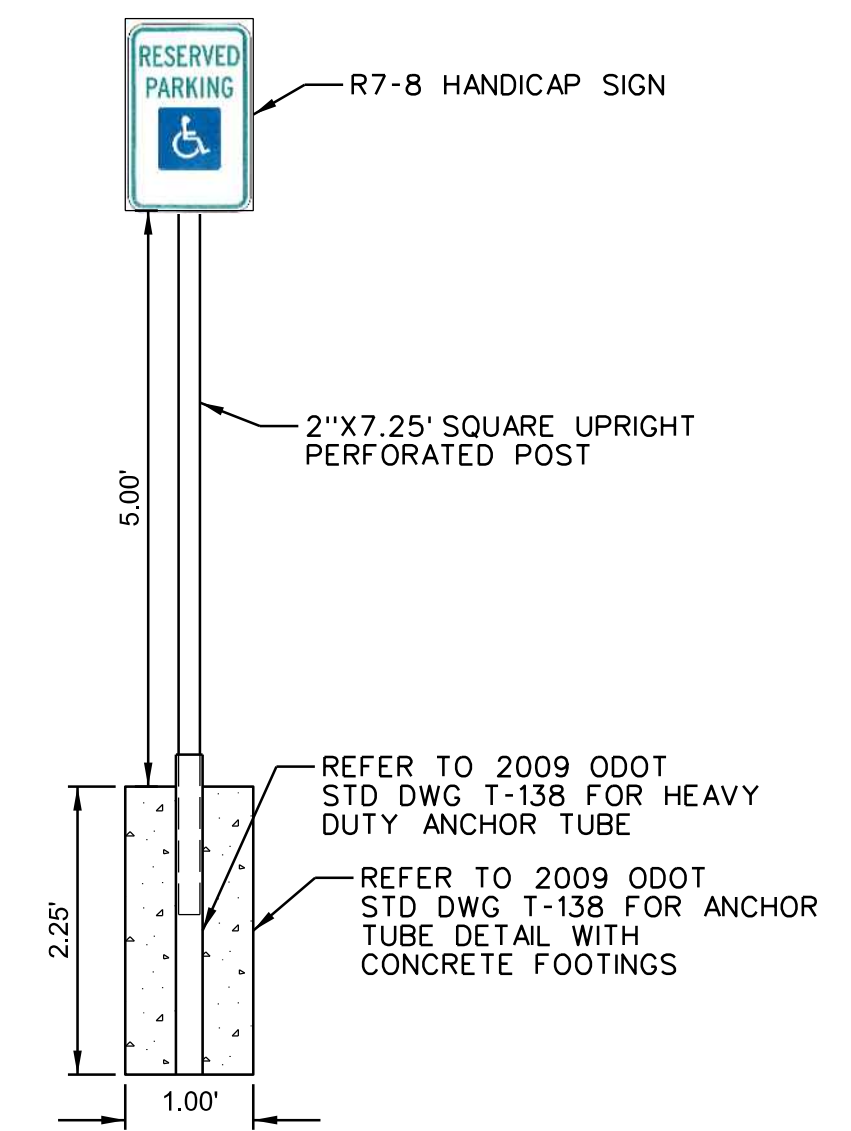
**C SIDEWALK TYPICAL**  
SCALE: N.T.S.



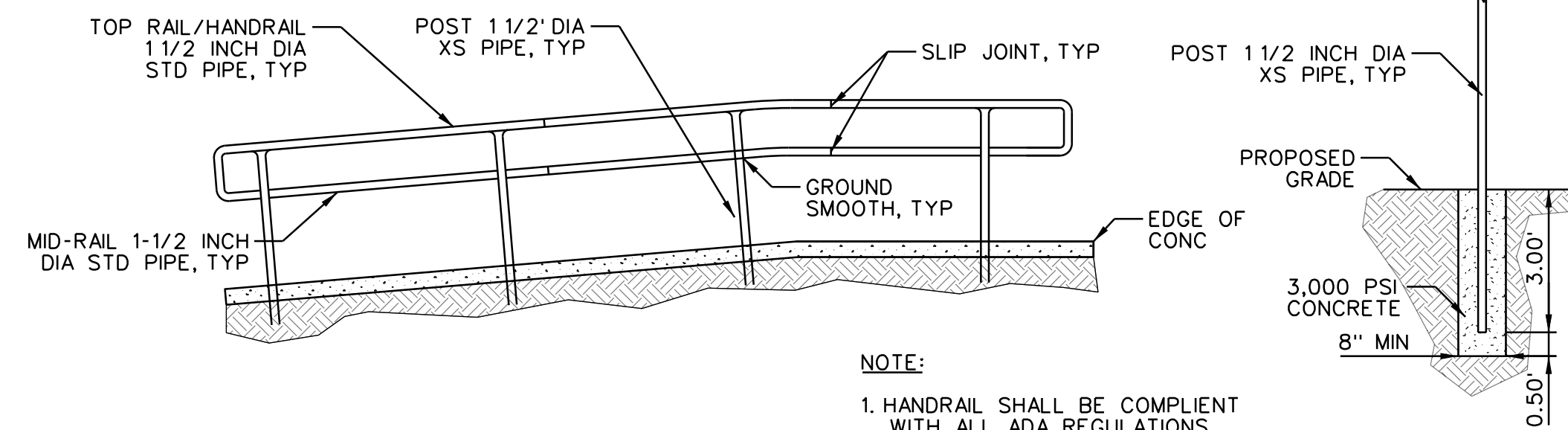
**D PARKING LOT PAVEMENT DETAIL**  
SCALE: N.T.S.



**I UNDERDRAIN DETAIL**  
N.Y.S.

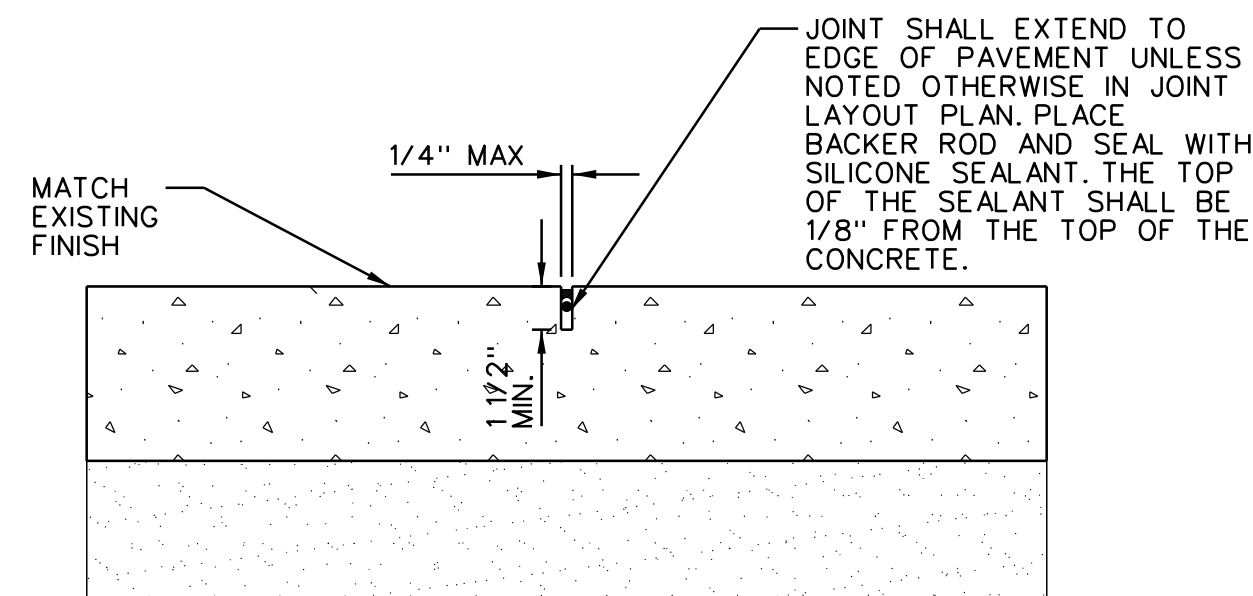


**K REGULATORY SIGN**  
N.Y.S.

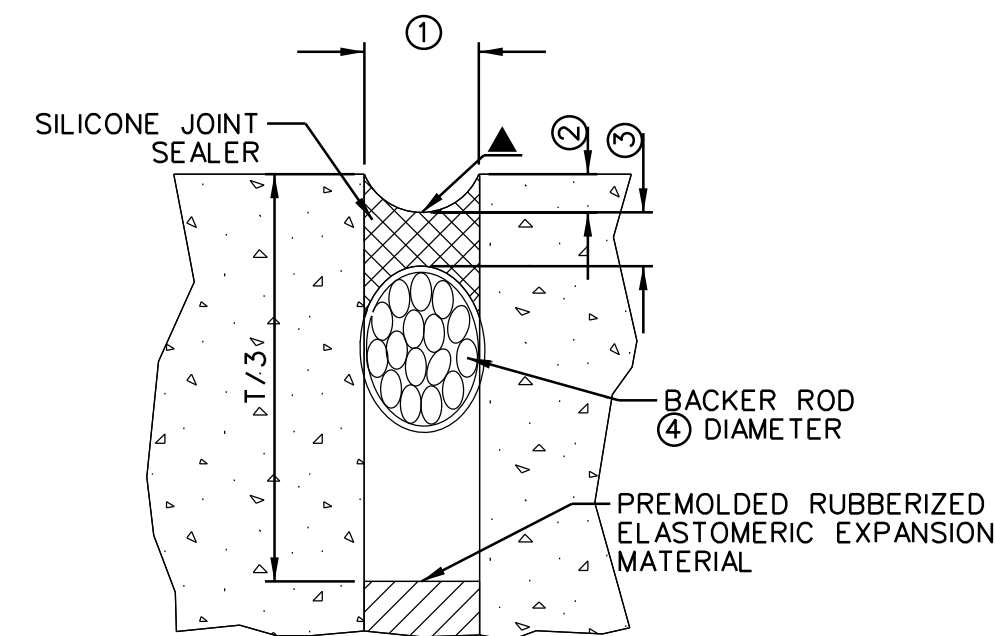


**J HANDRAIL DETAIL**  
SCALE: N.T.S.

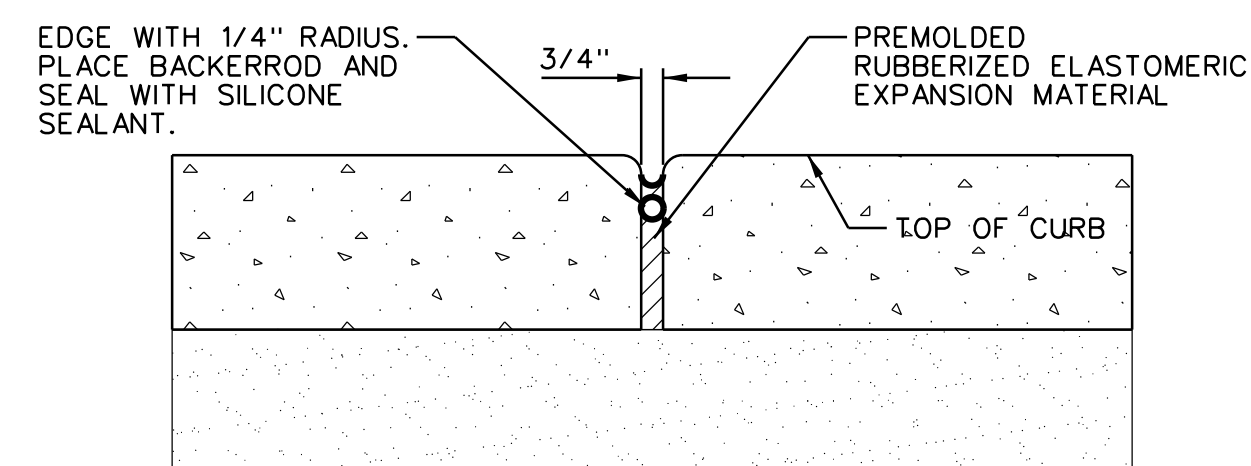
- NOTE:
1. HANDRAIL SHALL BE COMPLIANT WITH ALL ADA REGULATIONS.
  2. CONSTRUCTOR SHALL SUBMIT PAINT COLOR TO ARCHITECT FOR APPROVAL.



**E CONTRACTION JOINT**  
SCALE: N.T.S.



**G SEALED EXPANSION JOINT**  
SCALE: N.T.S.

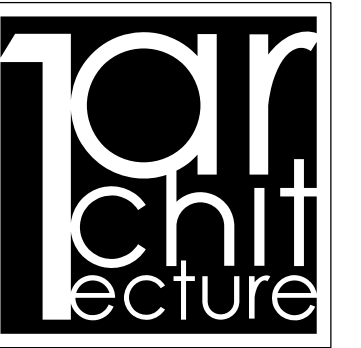


**F EXPANSION JOINT**  
SCALE: N.T.S.

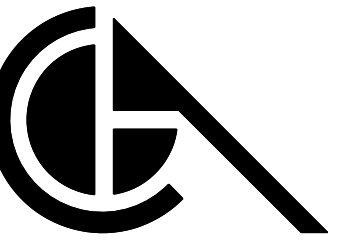
EXPANSION JOINT / ISOLATION JOINT TREATMENT TABLE			
JOINT WIDTH ①	SEALANT RECESS DEPTH ②	SILICONE SEALANT THICKNESS ③	BACKER ROD DIAMETER ④
INCHES	INCHES	INCHES	INCHES
1/4"	1/4"	3/16"	3/8"
1/2"	1/4"	1/4"	5/8"
3/4"	1/4"	3/8"	7/8"
1"	3/8"	1/2"	1 1/4"
1 1/2"	1/2"	1/2"	2"
2"	1/2"	3/4"	2 1/2"

NOTE: EXPANSION OR ISOLATION JOINT WIDTH SHALL BE 1/2", UNLESS OTHERWISE SPECIFIED ON THE PLANS. TABLE VALUES, AS SHOWN THIS TABLE, SHALL BE USED IN THOSE SPECIFIED CASES.

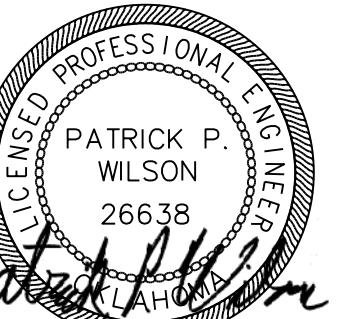
**H DETAIL FOR SEALED EXPANSION / ISOLATION JOINT**  
SCALE: N.T.S.



**Tor Architecture, LLC**  
1319 E. 6th St.  
Tulsa, OK 74120  
PH. 918.764.9996



**CGA ENGINEERS, INC.**  
8179 E. 41st St.  
Tulsa, OK 74145  
PH. 918.749.5800  
FAX. 918.749.5858  
C.A. NO: 1371  
EXPIRES: 6/30/18



2/23/18  
KEY PLAN:

KEY PLAN:

DRAWN FOR:

**CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION**  
ROSE, OK. 74364

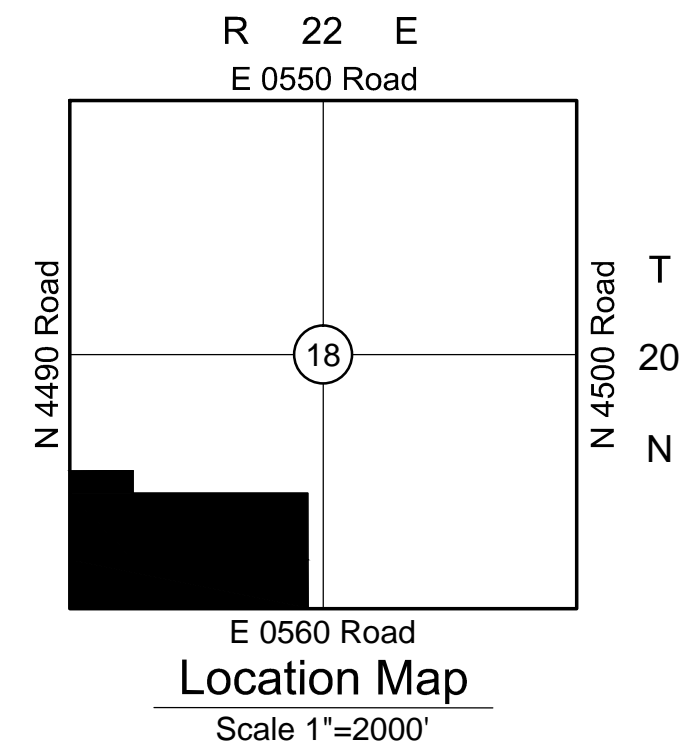
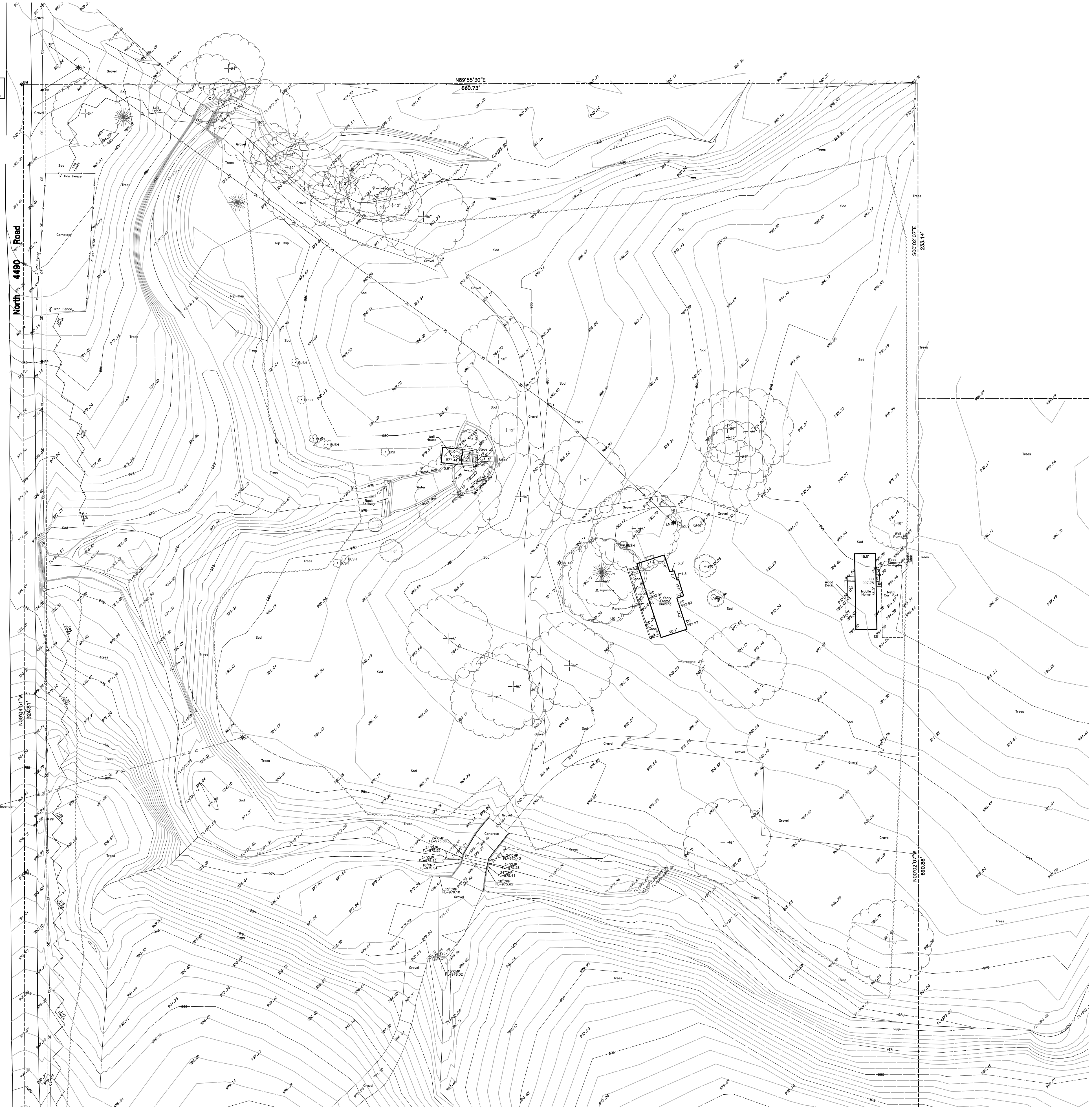
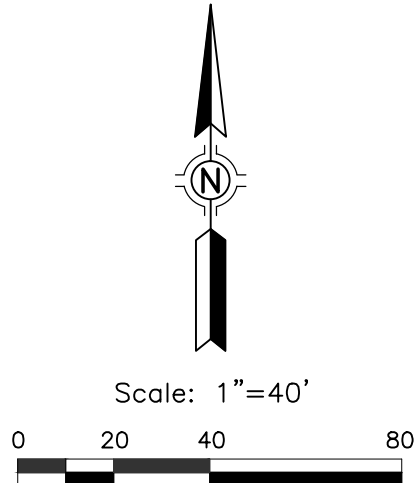
NO.	REVISION	DATE

PROJECT NUMBER:  
1408-018  
ISSUE:  
BID SET  
DATE:  
02.23.18  
DRAWN BY:  
CSK  
CHECKED BY:  
PW  
SHEET TITLE:

DETAILS

**C800**

Benchmark  
3/8" IRON PIN  
ELEVATION  
1006.86



**Benchmark Notes**

Benchmark	Benchmark	Benchmark
3/8" IRON PIN	3/8" IRON PIN	3/8" IRON PIN
ELEV=986.33	ELEV=1006.86	ELEV=1018.13
N=433683.6435	N=452760.5110	N=452254.5690
E=2850053.2307	E=2850715.7220	E=2852537.4570

**Legend**

AC	AIR CONDITIONING UNIT
CMP	CORRUGATED METAL PIPE
DO	DOOR OPENING
EB	ELECTRIC BOX
GP	GUARD POST
OC	OVERHEAD CABLE
OE	OVERHEAD ELECTRIC
OT	OVERHEAD TELEPHONE
PP	POWER POLE
BM	BENCHMARK

**Utility Statement**

A TRACT OF LAND IN THE SOUTHWEST QUARTER (SW/4) OF SECTION EIGHTEEN (18), TOWNSHIP TWENTY (20) NORTH, RANGE TWENTY-TWO (22) EAST OF THE INDIAN BASE AND MERIDIAN, DELAWARE COUNTY, STATE OF OKLAHOMA, ACCORDING TO THE UNITED STATES GOVERNMENT SURVEY THEREOF, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SW CORNER OF THE SW/4 OF SECTION 18, TOWNSHIP 20 NORTH, RANGE 22 EAST OF THE INDIAN BASE AND MERIDIAN, DELAWARE COUNTY, OKLAHOMA FOR THE TRUE POINT OF BEGINNING; THENCE NORTH 00°00'00" WEST, ALONG THE WEST LINE THEREOF, A DISTANCE OF 508.00 FEET; THENCE SOUTH 89°51'59" EAST, A DISTANCE OF 660.00 FEET; THENCE NORTH 00°00'00" WEST, A DISTANCE OF 690.86 FEET; THENCE SOUTH 89°51'59" EAST, A DISTANCE OF 1817.82 FEET; THENCE SOUTH 00°05'09" EAST, ALONG THE EAST LINE THEREOF, A DISTANCE OF 1198.86 FEET; THENCE NORTH 89°52'00" WEST, ALONG THE SOUTH LINE THEREOF, A DISTANCE OF 2479.62 FEET TO THE TRUE POINT OF BEGINNING...CONTAINING 57.75 ACRES, MORE OR LESS.

AND

A TRACT OF LAND LYING IN LOTS THREE (3) AND FOUR (4) OF SECTION EIGHTEEN (18), T20N, R22E, DELAWARE COUNTY, OKLAHOMA, MORE SPECIFICALLY DESCRIBED AS FOLLOWS: TO-WIT:

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## Topographic Survey

of part of the  
**SW/4**  
of  
**Section 18, T-20-N, R-22-E**  
Delaware County, Oklahoma

**Surveyor's Certification**

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THIS TOPO SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS, AS ADOPTED BY THE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS FOR THE STATE OF OKLAHOMA.

WITNESS MY HAND AND SEAL THIS XXTH DAY OF XXXX, 201X.



BY: CLIFF BENNETT  
REGISTERED PROFESSIONAL LAND SURVEYOR  
OKLAHOMA NO. 1815

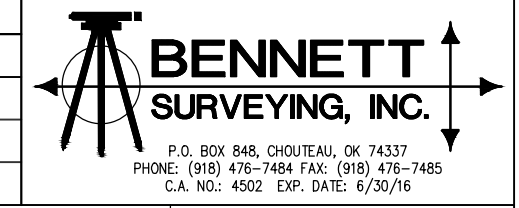
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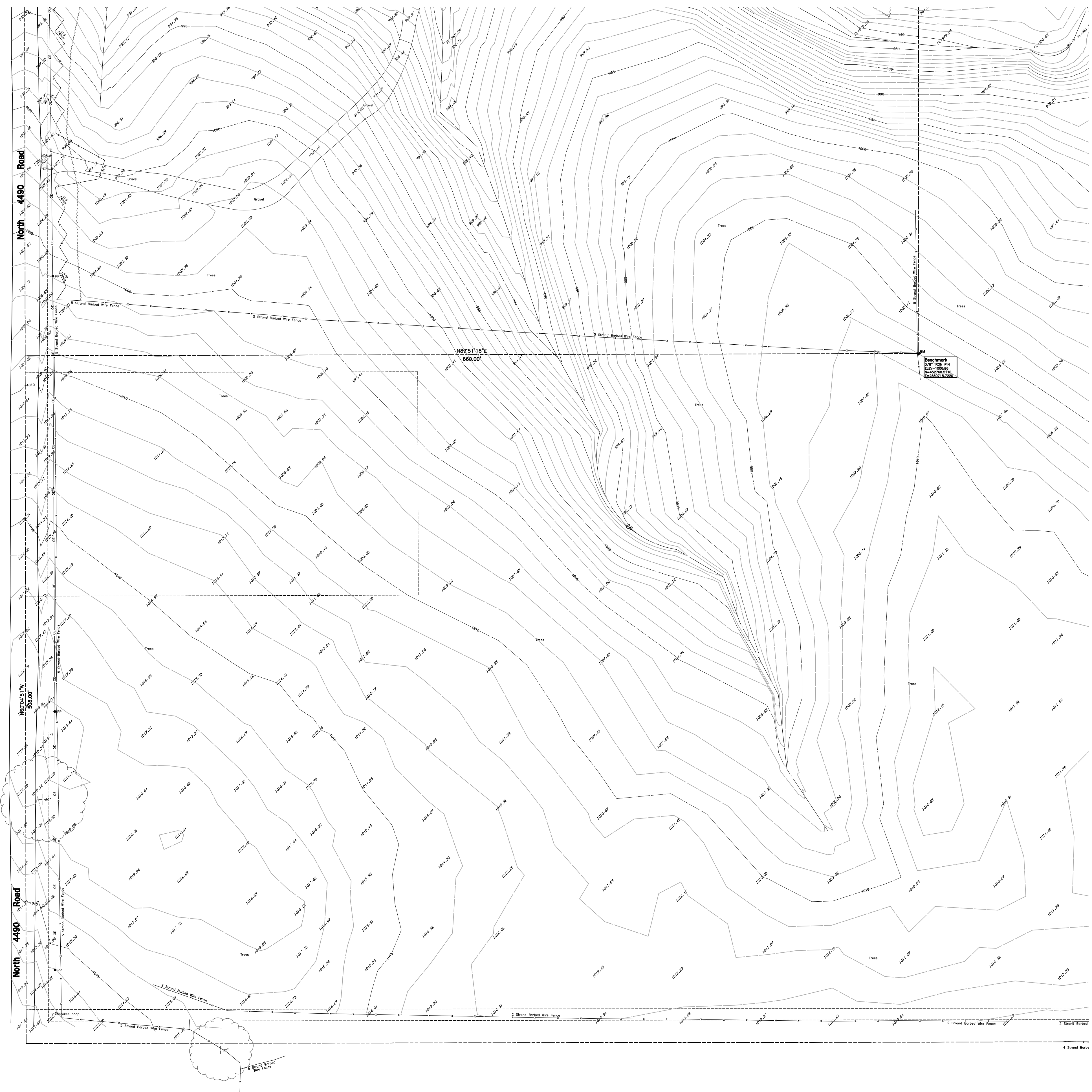
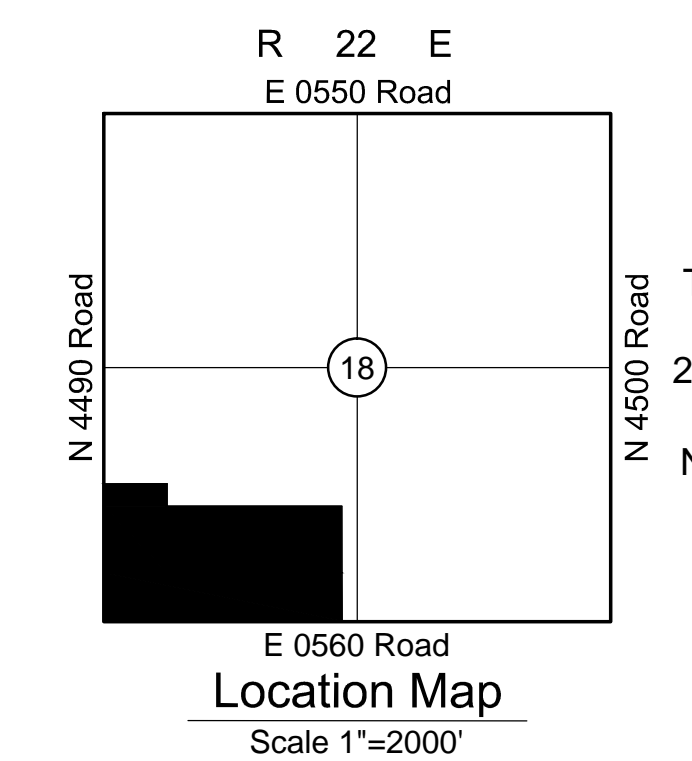
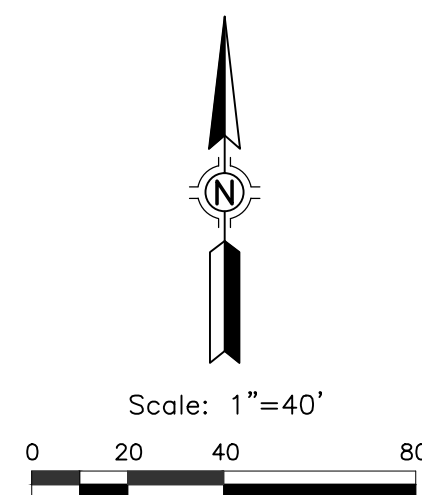
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REVISIONS	BY	DATE	FILE	ORDER	BOOK	SURVEY BY: IW, GQI	DRAWN BY: ABS	CHECKED BY: CDB	DATE:	SCALE:	SHEET	OF
-	-	-	2022.18	160671			ABS		04/25/16	1"=40'	1	6







**Benchmark Notes**

Benchmark	Benchmark	Benchmark
3/8" IRON PIN ELEV=986.33 N=433683.6435 E=2850053.2307	3/8" IRON PIN ELEV=1006.86 N=452760.5110 E=2850715.7220	3/8" IRON PIN ELEV=1018.13 N=452254.5690 E=2852537.4570

**Legend**

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CMP	CORRUGATED METAL PIPE
DO	DOOR OPENING
EB	ELECTRIC BOX
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OC	OVERHEAD CABLE
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of part of the  
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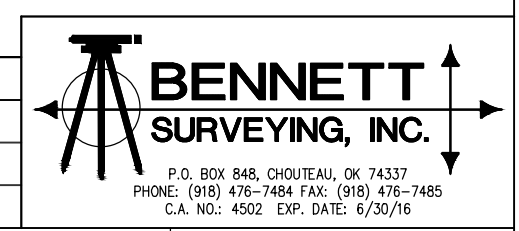
  

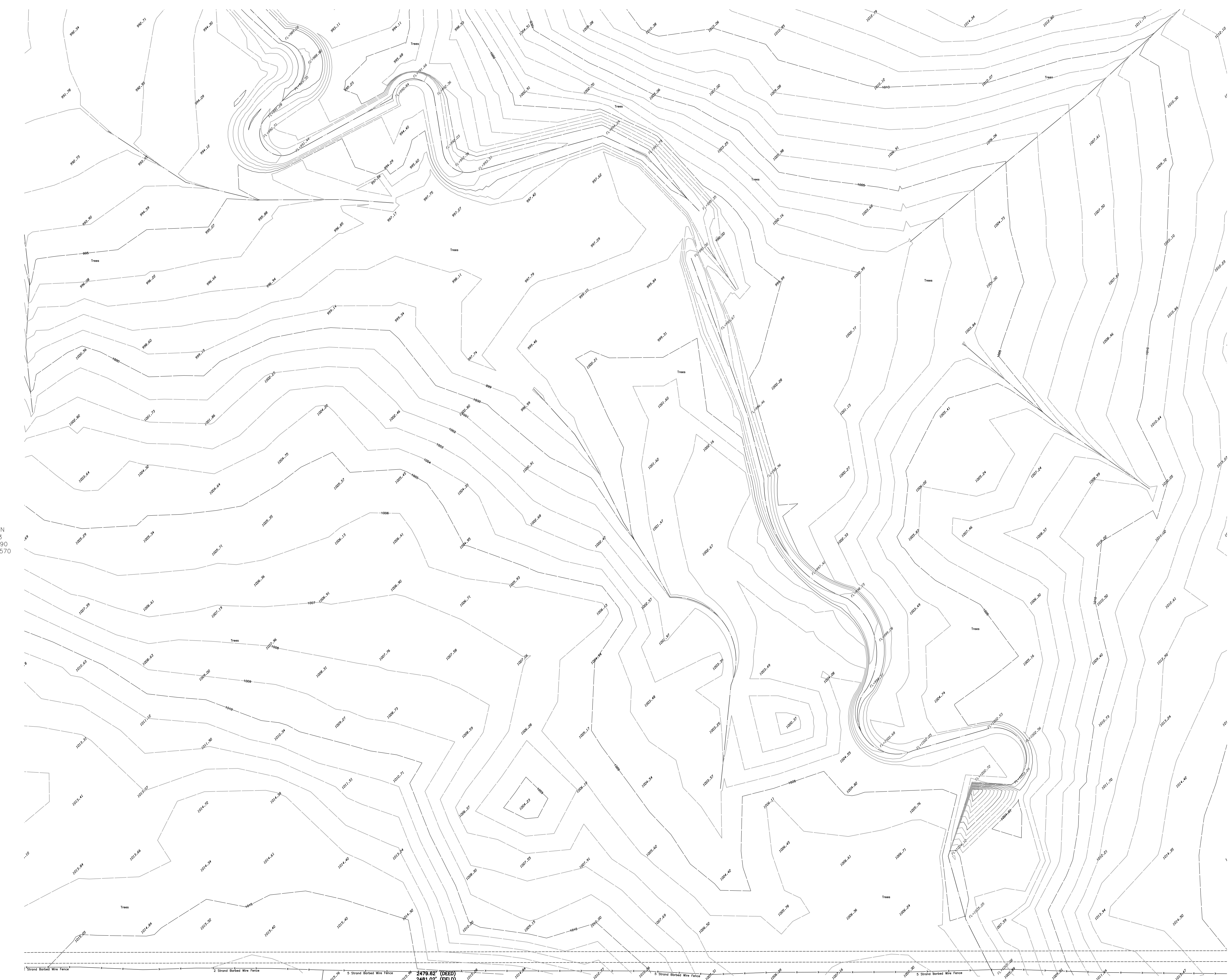
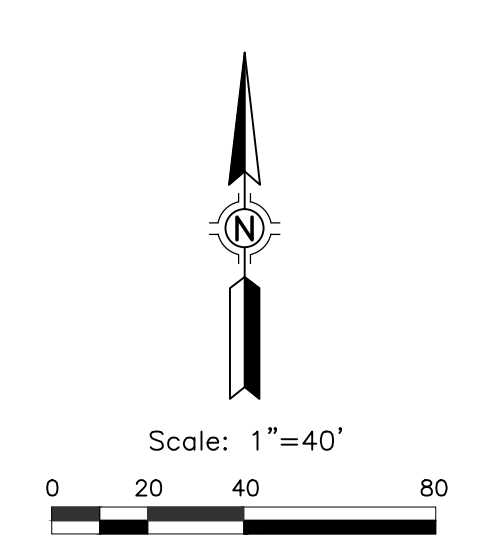
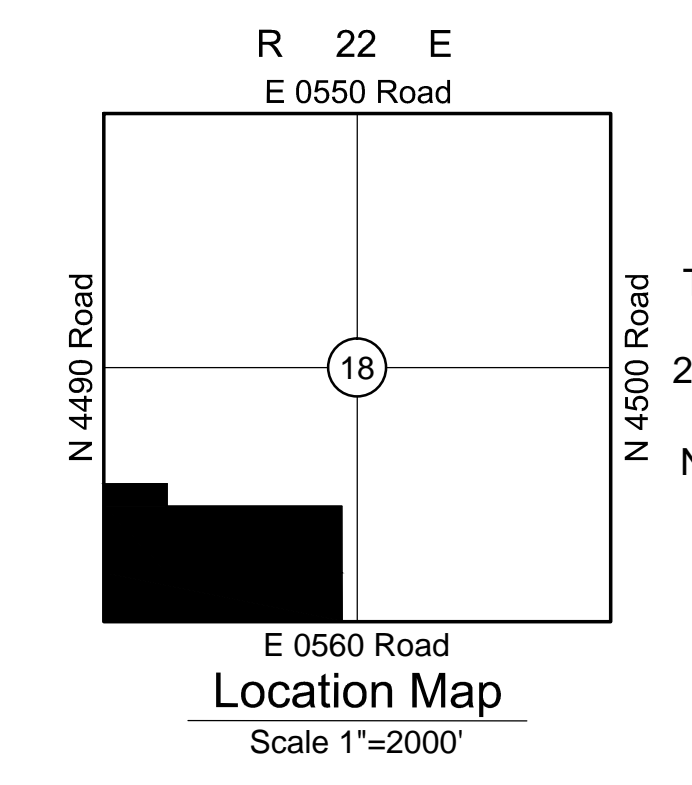
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ORDER:	160671	DRAWN BY: ABS	SCALE:	1"=40'
BOOK:		CHECKED BY: CDB	SHEET	2 OF 6



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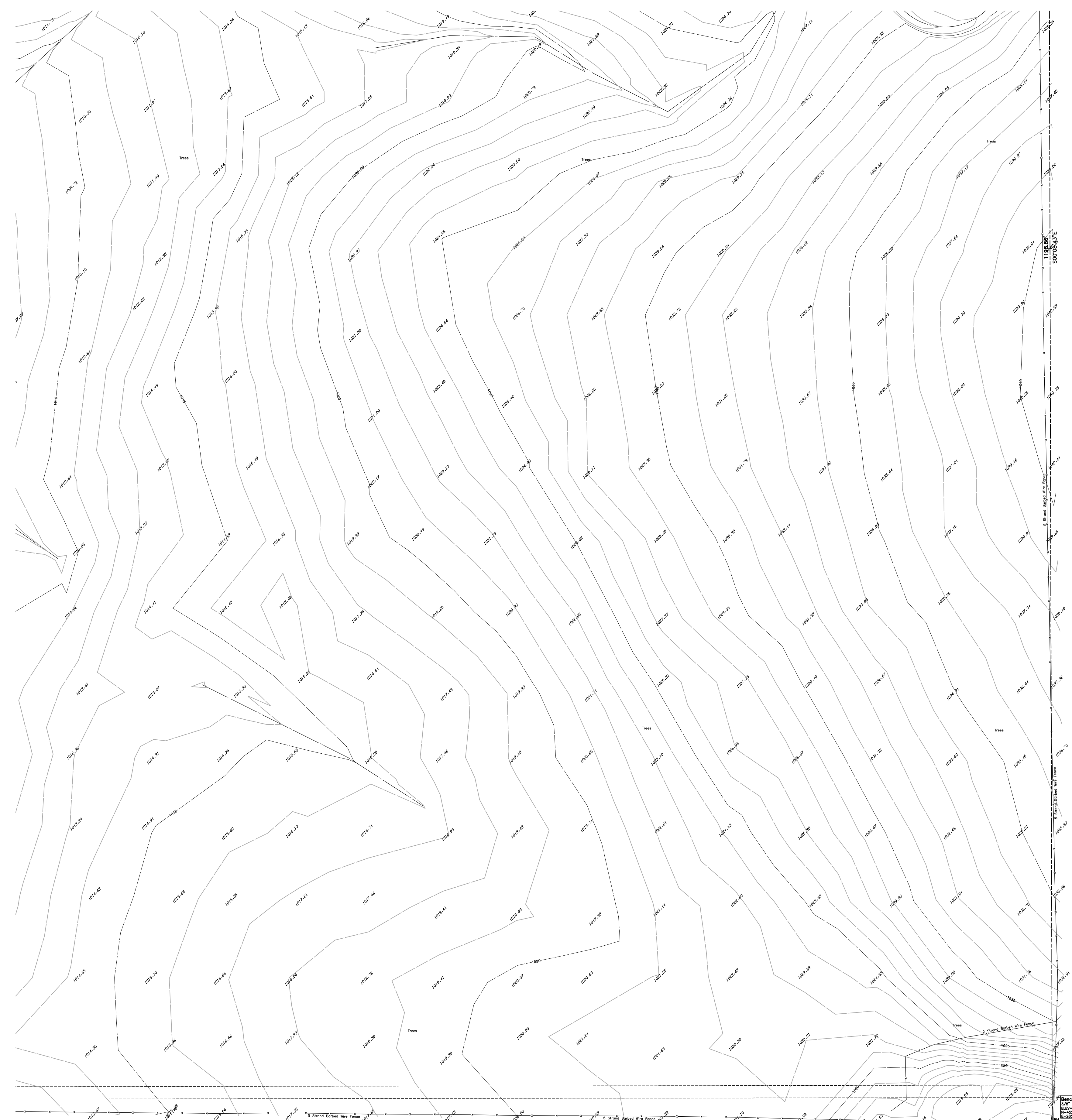
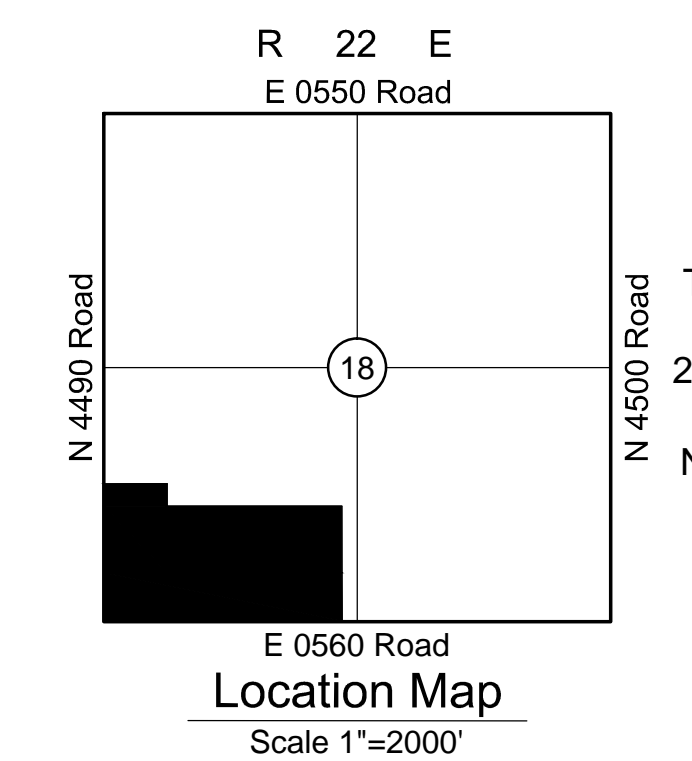
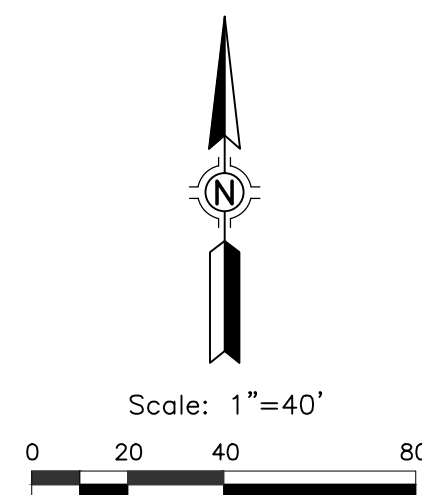
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OE	OVERHEAD ELECTRIC
OT	OVERHEAD TELEPHONE
PP	POWER POLE
BM	BENCHMARK

**Utility Statement**

A TRACT OF LAND IN THE SOUTHWEST QUARTER (SW/4) OF SECTION EIGHTEEN (18), TOWNSHIP TWENTY (20) NORTH, RANGE TWENTY-TWO (22) EAST OF THE INDIAN BASE AND MERIDIAN, DELAWARE COUNTY, STATE OF OKLAHOMA, ACCORDING TO THE UNITED STATES GOVERNMENT SURVEY THEREOF, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SW CORNER OF THE SW/4 OF SECTION 18, TOWNSHIP 20 NORTH, RANGE 22 EAST OF THE INDIAN BASE AND MERIDIAN, DELAWARE COUNTY, OKLAHOMA FOR THE TRUE POINT OF BEGINNING; THENCE NORTH 00°00'00" WEST, ALONG THE WEST LINE THEREOF, A DISTANCE OF 508.00 FEET; THENCE SOUTH 89°51'59" EAST, A DISTANCE OF 660.00 FEET; THENCE NORTH 00°00'00" WEST, A DISTANCE OF 690.86 FEET; THENCE SOUTH 89°51'59" EAST, A DISTANCE OF 1817.82 FEET; THENCE SOUTH 00°05'09" EAST, ALONG THE EAST LINE THEREOF, A DISTANCE OF 1198.86 FEET; THENCE NORTH 89°52'00" WEST, ALONG THE SOUTH LINE THEREOF, A DISTANCE OF 2479.62 FEET TO THE TRUE POINT OF BEGINNING...CONTAINING 57.75 ACRES, MORE OR LESS.

AND

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**Topographic Survey**  
of part of the  
**SW/4**  
of  
**Section 18, T-20-N, R-22-E**  
**Delaware County, Oklahoma**

**Surveyor's Certification**

WE, BENNETT SURVEYING, INC., HEREBY CERTIFY THAT THE TOPOGRAPHICAL INFORMATION HEREON REPRESENTS A SURVEY PERFORMED UNDER OUR DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

THIS TOPO SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS, AS ADOPTED BY THE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS FOR THE STATE OF OKLAHOMA.

WITNESS MY HAND AND SEAL THIS XXTH DAY OF XXXX, 201X.



BY: CLIFF BENNETT  
REGISTERED PROFESSIONAL LAND SURVEYOR  
OKLAHOMA NO. 1815

REVISIONS	BY	DATE

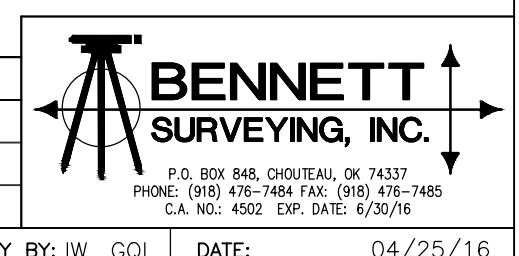
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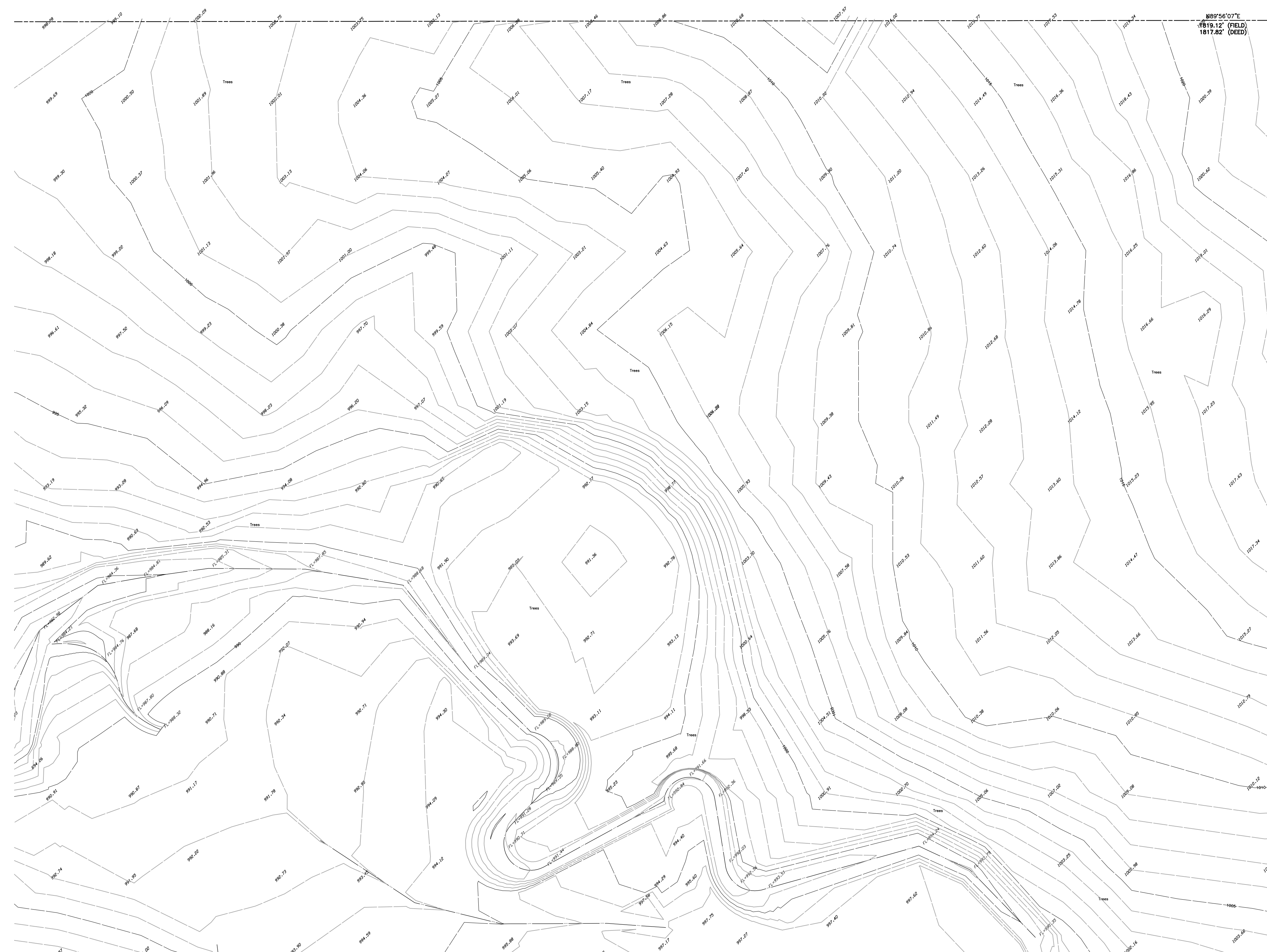
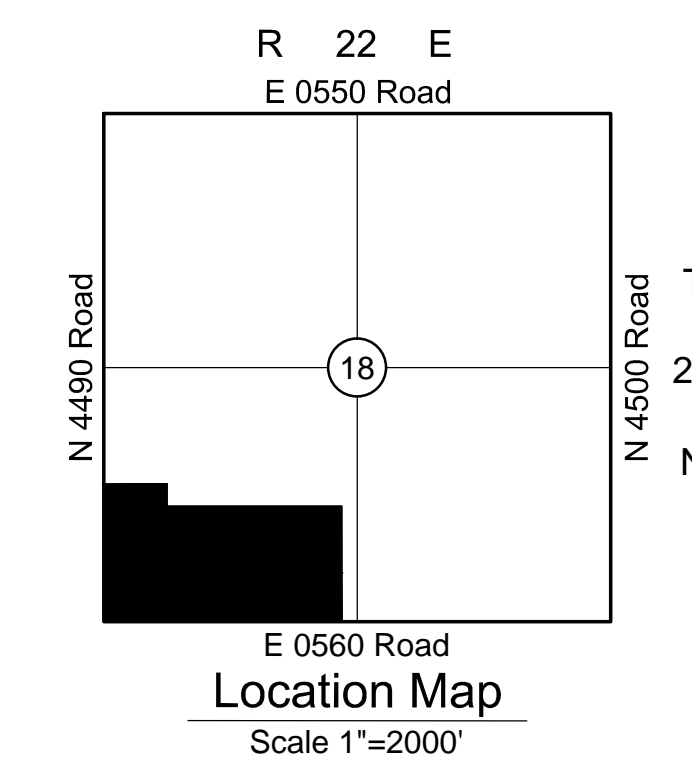
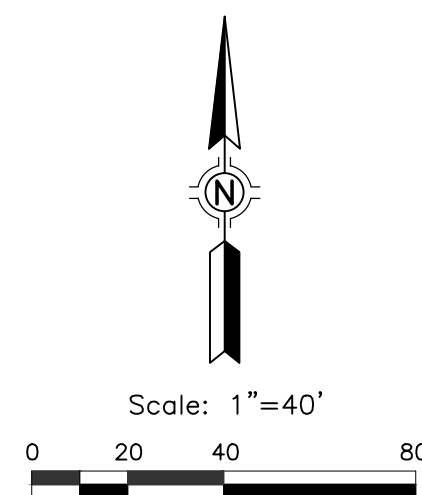
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**Benchmark Notes**

Benchmark	Benchmark	Benchmark
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E=2850053.2307	E=2850715.7220	E=2852537.4570

**Legend**

AC	AIR CONDITIONING UNIT
CMP	CORRUGATED METAL PIPE
DO	DOOR OPENING
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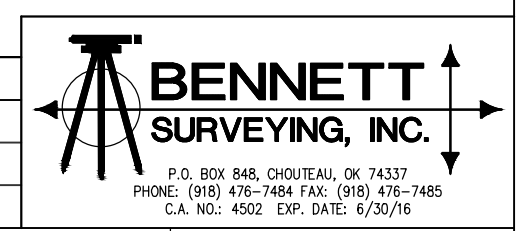
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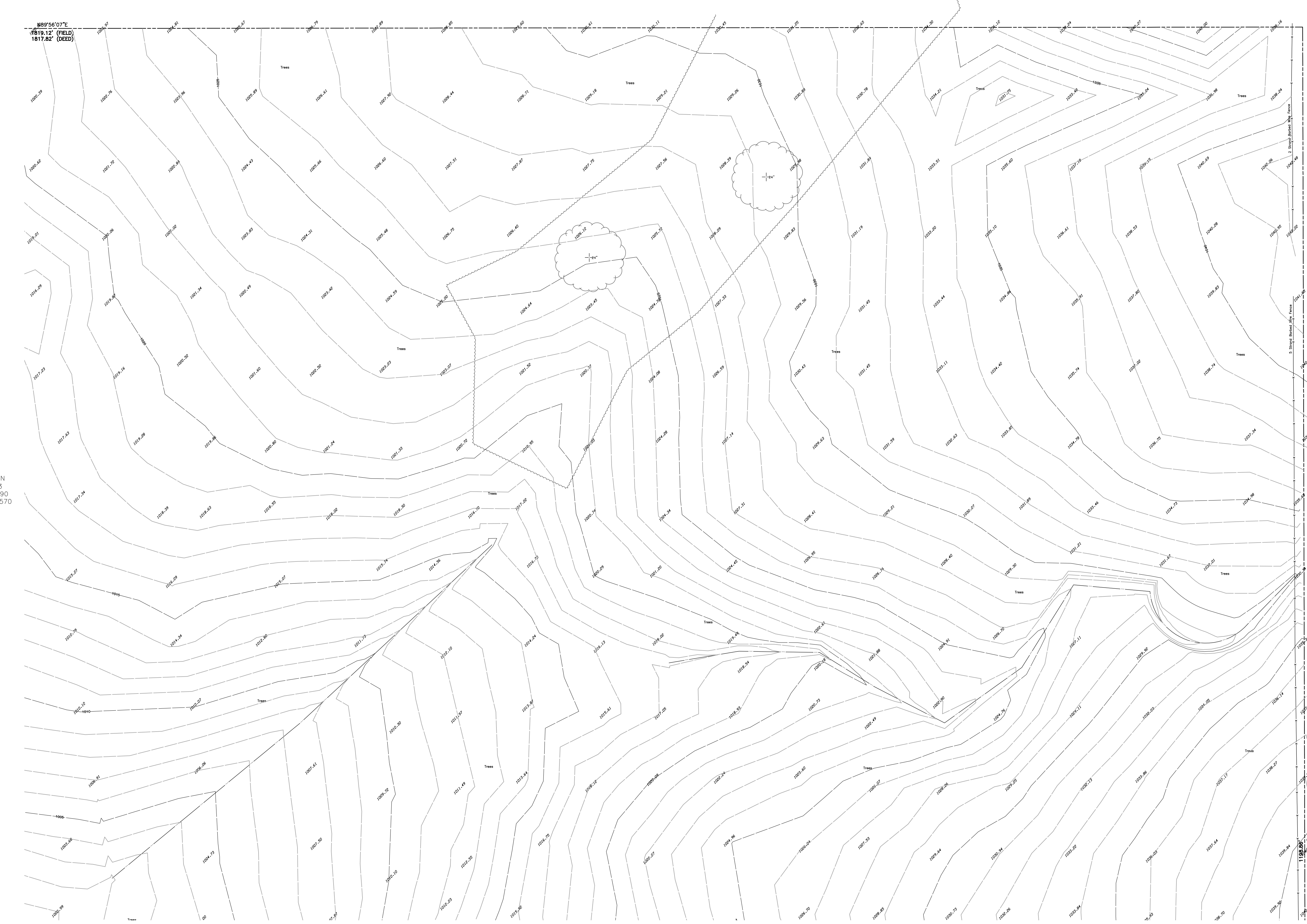
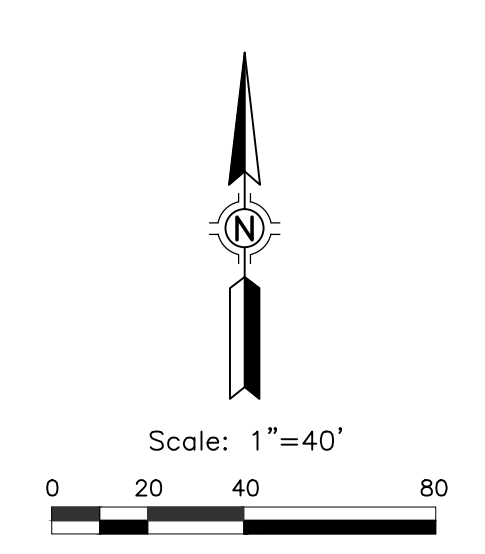
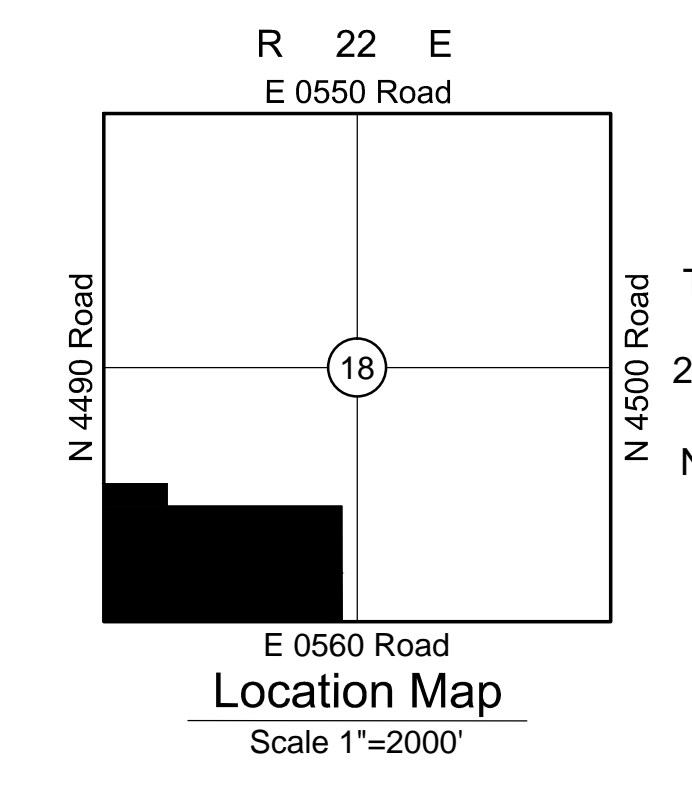
  

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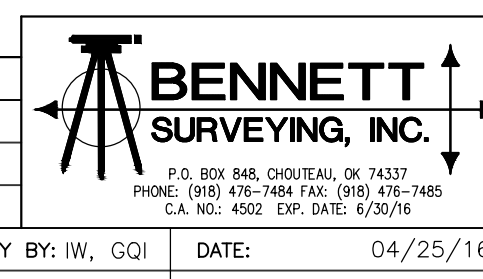
  

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# GENERAL NOTES

## DESIGN PARAMETERS

- BUILDING CODE: 2015 INTERNATIONAL BUILDING CODE
- DEAD LOADS:
  - A. ROOF: SELF WEIGHT
- LIVE LOADS:
  - A. ROOF: 20 PSF (UNIFORM)
- SNOW LOADS:
  - A. GROUND SNOW LOAD,  $P_g$ : 10 PSF
- WIND LOADS:
  - A. BASIC WIND SPEED (3 SECOND GUST): 115 MPH
  - B. RISK CATEGORY: II
  - C. EXPOSURE CLASSIFICATION: C
  - D. INTERNAL PRESSURE COEFFICIENT: 0.18
  - E. BASIC WIND PRESSURE (q<sub>h</sub> UNFACTORED): 19.7 PSF
  - G. DESIGN WIND PRESSURE ON EXTERIOR WALLS (C&C LOAD BASED ON 100 SQ.FT AREA)
    - END ZONES, (10'-0") : 22.1 PSF
    - INTERIOR ZONES: 19.9 PSF
  - H. DESIGN UPLIFT PRESSURE ON ROOFS (C&C LOAD BASED ON 100 SQ.FT AREA)
    - CORNER ZONES, (10'-0") : 17.2 PSF
    - EDGE ZONES, (10'-0") : 17.2 PSF
    - INTERIOR ZONES: 13.3 PSF

## GENERAL

- STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND DRAWINGS FROM OTHER DISCIPLINES. THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS INTO THE SHOP DRAWINGS AND FIELD WORK.
- WHERE CONFLICT EXISTS AMONG VARIOUS PARTS OF THE STRUCTURAL CONTRACT DOCUMENTS, STRUCTURAL DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS, THE STRICTEST REQUIREMENTS, AS INDICATED BY THE ENGINEER, SHALL GOVERN.
- WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED, THE FOLLOWING RULES SHALL APPLY:
  - A. COLUMNS ARE CENTERED ON GRID LINES.
  - B. FOOTINGS ARE CENTERED BENEATH COLUMNS.
  - C. CONTINUOUS FOOTINGS ARE CENTERED BENEATH WALLS.
  - D. FRAMING MEMBERS ARE EITHER LOCATED ON GRID LINES OR ARE EQUALLY SPACED BETWEEN LOCATED MEMBERS.
- ALL STRUCTURAL ELEMENTS OF THE PROJECT HAVE BEEN DESIGNED BY THE STRUCTURAL ENGINEER TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES THAT COULD OCCUR IN THE FINAL COMPLETED STRUCTURE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL REQUIRED BRACING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PROCESS UNTIL THE LATERAL LOAD RESISTING OR STABILITY-PROVIDING SYSTEM IS COMPLETELY INSTALLED AND THE STRUCTURE IS COMPLETELY TIED TOGETHER.
- THE STRUCTURE HAS BEEN DESIGNED FOR THE LOADS IDENTIFIED WITHIN THESE STRUCTURAL DRAWINGS THAT ARE ANTICIPATED TO BE APPLIED TO THE FINAL STRUCTURE ONE COMPLETED AND OCCUPIED. THE CONTRACTOR SHALL NOT OVERLOAD THE STRUCTURE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE ADEQUACY OF THE STRUCTURE TO SUPPORT ANY APPLIED CONSTRUCTION LOADS INCLUDING THOSE DUE TO CONSTRUCTION VEHICLES OR EQUIPMENT, MATERIAL HANDLING OR STORAGE, SHORING AND RESHORING, OR ANY OTHER PROJECT IS LOCATED VERIFYING THE ADEQUACY OF THE STRUCTURE FOR ANY PROPOSED CONSTRUCTION LOADS THAT ARE IN EXCESS OF THE STATED DESIGN LOADS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE TO DESIGN OR CHECK THE STRUCTURE FOR LOADS APPLIED TO THE STRUCTURE FOR ANY CONSTRUCTION ACTIVITY.
- WEIGHTS OF MECHANICAL EQUIPMENT SHOWN ON THE STRUCTURAL PLANS ARE FOR UNITS SPECIFIED BY THE MECHANICAL ENGINEER. CONTRACTOR SHALL VERIFY WEIGHTS AND ANY SUBSTITUTIONS THAT RESULT IN INCREASED WEIGHT SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
- THE SIZE AND LOCATION OF EQUIPMENT PADS AND PENETRATIONS THROUGH THE STRUCTURE FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORK SHALL BE VERIFIED BY THE CONTRACTOR. OPENINGS AND PENETRATIONS NOT SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.
- PRIOR TO FABRICATION AND/OR ERECTION OF ANY MATERIALS, THE CONTRACTOR SHALL FIELD VERIFY ALL PERTINENT EXISTING DIMENSIONS, ELEVATIONS, AND CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE STRUCTURAL ENGINEER OF RECORD OR THE ARCHITECT IMMEDIATELY UPON DISCOVERY.
- BACKFILL BOTH SIDES OF ALL FOUNDATION AND RETAINING WALLS EQUALLY UNTIL LOW SIDE IS UP TO FINISH GRADE. DO NOT BACKFILL ANY WALLS UNTIL CONCRETE HAS REACHED ITS SPECIFIED 28-DAY COMPRESSIVE STRENGTH.
- CONNECTIONS OF SYSTEMS DESIGNED BY THE CONTRACTOR'S ENGINEER SUCH AS, BUT NOT LIMITED TO, CLADDING, STAIRS, ELEVATORS AND MEP LOADS ARE ASSUMED TO IMPOSE VERTICAL AND/OR HORIZONTAL LOADS ON THE BASE BUILDING STRUCTURAL MEMBERS WITHOUT GENERATING TORSION IN THE SUPPORTING STRUCTURAL MEMBERS. CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL SUPPLEMENTARY BRACING MEMBERS AS REQUIRED TO PREVENT TORSION ON THE BASE BUILDING STRUCTURE.
- ANY MATERIALS OR PRODUCTS SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIAL OR PRODUCTS SPECIFIED IN THE STRUCTURAL CONTRACT DOCUMENTS WILL BE APPROVED ONLY IF THE FOLLOWING CRITERIA ARE SATISFIED:
  - A. A COST SAVINGS TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST.
  - B. THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CODE COUNCIL (ICC) AND THE ICC REPORT IS SUBMITTED WITH THE REQUEST.
- THE ENGINEER SHALL NOT HAVE CONTROL NOR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF 360 ENGINEERING GROUP, LLC, IS SOLELY FOR THE PURPOSE OF BECOMING GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF THE WORK COMPLETED AND DETERMINING, IN GENERAL, IF THE WORK OBSERVED IS BEING PERFORMED IN A MANNER INDICATING THAT THE WORK, WHEN FULLY COMPLETED, WILL BE IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

## DIVISION 3 - CONCRETE

- ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301.
- CONTRACTOR SHALL FOLLOW ACI 306.1 FOR COLD WEATHER CONCRETE PLACEMENT AND CURING GUIDELINES.
- ARRANGEMENTS AND DETAIL OF REINFORCING BENDS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF PUBLICATION SP-66, "ACI DETAILING MANUAL" AND ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE."
- UNLESS NOTED OTHERWISE, BAR SPLICES SHALL BE CLASS B TENSION LAPS AND SHALL BE LAPPED WITH MINIMUM LENGTHS AS LISTED IN THE LAP LENGTH SCHEDULE, WHERE REQUIRED IN REINFORCING. SHORTER LAPS MAY BE ACCEPTABLE IF SPECIFIC LOCATIONS OF ALTERNATE LAPS ARE SHOWN ON THE REINFORCING PLACEMENT DRAWINGS AND CALCULATIONS ARE SUBMITTED BY A REGISTERED PROFESSIONAL ENGINEER, LICENSED TO PRACTICE IN THE STATE IN WHICH THE PROJECT IS LOCATED, JUSTIFYING THE ALTERNATE LAP LENGTHS.
- PROVIDE SUITABLE WIRE SPACERS, CHAIRS, TIES, ETC. FOR SUPPORTING REINFORCING STEEL IN THE PROPER POSITION BEFORE PLACING CONCRETE. DO NOT "WET STICK" DOWELS.
- ALL WELDED WIRE FABRIC SHALL BE LAPPED A MINIMUM OF 12" AT THE SIDES AND ENDS.
- LOCATIONS AND SIZES OF OPENINGS, SLEEVES, ETC. REQUIRED FOR OTHER TRADES MUST BE VERIFIED BY THESE TRADES BEFORE PLACING CONCRETE.
- ALL SLOTS, SLEEVES, TRENCHES AND OTHER EMBEDDED ITEMS SHALL BE SET AND SECURED AGAINST MOVEMENT BEFORE THE CONCRETE IS PLACED. SEE ARCHITECTURAL, ELECTRICAL, MECHANICAL, PLUMBING, AND VENDOR DRAWINGS FOR SIZES, AND LOCATIONS. COORDINATE LOCATIONS, SPACINGS, AND SIZES WITH THE STRUCTURAL ENGINEER OF RECORD PRIOR TO PLACING CONCRETE.
- AS PART OF THE SUBMITTAL PROCESS, THE ELECTRICAL AND MECHANICAL CONTRACTOR(S) SHALL SUBMIT PROPOSED ROUTING PLAN FOR ALL PIPES, CONDUITS, OR OTHER DEVICES TO BE EMBEDDED IN THE CONCRETE. THE SUBMITTAL SHALL SHOW SPECIFIC SIZES AND LOCATIONS OF ALL PROPOSED EMBED ITEMS REFERENCING PROXIMITY TO BEAM, COLUMN, AND SLAB EDGES. NO ITEMS SHALL BE ALLOWED TO BE EMBEDDED IN THE CONCRETE WITHOUT PRIOR WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD.
- CONDUITS AND PIPES EMBEDDED IN CONCRETE SLABS MAY BE NO LARGER THAN 1/3 OF THE SLAB THICKNESS (BASED ON THE MAXIMUM OUTSIDE DIAMETER) AND SHALL HAVE A CENTER-TO-CENTER SPACING NO LESS THAN THREE (3) CONDUIT DIAMETERS, REGARDLESS OF DIAMETER, THE MINIMUM CLEAR SPACING BETWEEN CONDUITS OR REINFORCING SHALL BE (1) INCH.
- NO MORE THAN FOUR CONDUITS MAY BE PLACED ADJACENT TO EACH OTHER WITHOUT PRIOR APPROVAL IN WRITING FROM THE STRUCTURAL ENGINEER OF RECORD.
- NO ALUMINUM CONDUITS, DEVICES, OR FIXTURES MAY BE EMBEDDED INTO THE CONCRETE SO THAT THE ALUMINUM IS IN DIRECT CONTACT WITH THE CONCRETE.
- CORNER BARS SHALL BE PROVIDED FOR ALL HORIZONTAL REINFORCING BARS AT THE INTERSECTIONS AND CORNERS OF ALL STRIP FOOTINGS, BEAMS, AND WALLS UNLESS NOTED OTHERWISE. CORNER BARS SHALL BE OF THE SAME SIZE AND GRADE AS THE HORIZONTAL REINFORCING THEY CONNECT. MINIMUM LAP LENGTHS SHALL BE AS INDICATED ABOVE UNLESS NOTED OTHERWISE.

LAP LENGTHS FOR SPLICES		
BAR SIZE	TOP BARS**	OTHER
#3	1'-5"	1'-4"
#4	1'-11"	1'-5"
#5	2'-4"	1'-10"
#6	2'-10"	2'-2"
#7	4'-7"	3'-7"
#8	5'-10"	4'-6"
#9	7'-2"	5'-6"

\* BASED ON MINIMUM CONCRETE COVER OF 1 1/2" A MINIMUM CENTER-TO-CENTER BAR SPACING OF THREE BAR DIAMETERS, AND 3,000 PSI CONCRETE.

\*\* TOP BARS ARE HORIZONTAL BARS WITH MORE THAN (12) INCHES OF CONCRETE CAST BELOW BARS.

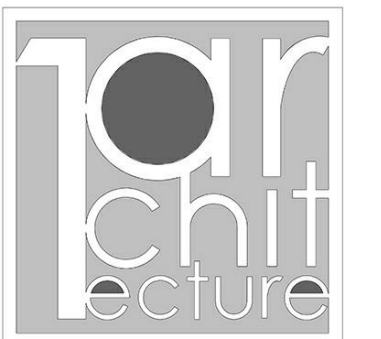
REQUIRED CONCRETE STRENGTHS (28 DAY)	
CONCRETE ELEMENT	f <sub>c</sub> (PSI)
FOOTINGS, PIERS AND GRADE BEAMS	3,000
FOUNDATION WALLS AND PEDESTALS	4,000
SLABS-ON-GRADE	3,500
SUSPENDED SLABS AND SLABS ON COMPOSITE DECK	3,000
STEEL STAIR PANS (SLABS ON NON-COMPOSITE DECK)	3,000
EXTERIOR STRUCTURAL CONCRETE (AIR ENTRAINED)	4,500
SIDEWALKS (AIR ENTRAINED)	3,500

REINFORCEMENT MATERIALS			
REINF ELEMENT	ASTM	F <sub>y</sub> (KSI)	F <sub>u</sub> (KSI)
TYP REINFORCING	A615	60	90
WELDED AND BENT REINF	A706	60	80
WELDED WIRE REINFORCING, SMOOTH	A185	65	75
WELDED WIRE REINFORCING, DEFORMED	A497	70	80

REINFORCEMENT COVER REQUIREMENTS	
LOCATION	COVER (IN)
COLUMNS, GIRDERS, AND BEAMS	1 1/2
CONCRETE CAST AGAINST EARTH	3
CONCRETE CAST IN FORMS, EXPOSED TO WEATHER OR EARTH	2
CONCRETE CAST ON VOID FORMS WITH MASONITE OR PLYWOOD COVERING	2
JOISTS	1 1/2
SLABS OR WALLS NOT EXPOSED TO EARTH OR WEATHER	1

## SUBMITTALS

- TRANSMIT SUBMITTALS SUFFICIENTLY IN ADVANCE OF RELATED CONSTRUCTION ACTIVITIES TO AVOID UNNECESSARY DELAY. THE STRUCTURAL ENGINEER OF RECORD MAY WITHHOLD ACTION ON A SUBMITTAL REQUIRING COORDINATION WITH OTHER SUBMITTALS UNTIL ALL RELATED SUBMITTALS ARE RECEIVED.
  - THE GENERAL CONTRACTOR SHALL SUBMIT ONE ELECTRONIC PORTABLE DOCUMENT FORMAT (PDF) COPY OF ALL REQUIRED SUBMITTALS THROUGH THE ARCHITECT FOR REVIEW. THE ELECTRONIC COPY WILL BE MARKED UP BY THE STRUCTURAL ENGINEER OF RECORD. ONE COPY WILL BE KEPT BY THE STRUCTURAL ENGINEER OF RECORD AND AN ADDITIONAL COPY WILL BE RETURNED TO THE ARCHITECT. THE ARCHITECT WILL KEEP ONE COPY AND RETURN A COPY TO THE CONTRACTOR. THE CONTRACTOR WILL MAKE ADDITIONAL COPIES AS REQUIRED.
  - THE GENERAL CONTRACTOR SHALL SUBMIT, FOR ENGINEER REVIEW, SHOP DRAWINGS FOR THE FOLLOWING ITEMS:
    - A. CONCRETE MIX DESIGNS (3)
    - B. MISCELLANEOUS STEEL
    - C. REINFORCING STEEL
- NOTES:**
- SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED PER THE PROJECT SPECIFICATIONS.
  - SHALL BE SUBMITTED TO THE ENGINEER FOR RECORD ONLY AND WILL NOT RECEIVE THE ENGINEER'S SHOP DRAWING STAMP.
  - SHALL BE SUBMITTED TO THE ENGINEER AND THE OWNER'S TESTING AGENCY FOR REVIEW.
  - ITEM IS A DEFERRED SUBMITTAL WHICH HAS NOT BEEN COMPLETE AND IS TO BE SUBMITTED TO THE BUILDING OFFICIAL AND APPROVED PRIOR TO INSTALLATION. THE MANUFACTURER, CONSULTANT, OR CONTRACTOR, AS APPROPRIATE SHALL PROVIDE SUBMITTALS TO THE ENGINEER OF RECORD FOR REVIEW.
- ALL SHOP DRAWINGS MUST BE REVIEWED AND ELECTRONICALLY STAMPED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL.



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Certification of Authorization:  
OK #5996, EXP 6.30.2018



*Elias R. Johansson*

KEY PLAN:



DRAWN FOR:

CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION

NO.	REVISION	DATE

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SHEET TITLE:

GENERAL NOTES

S001

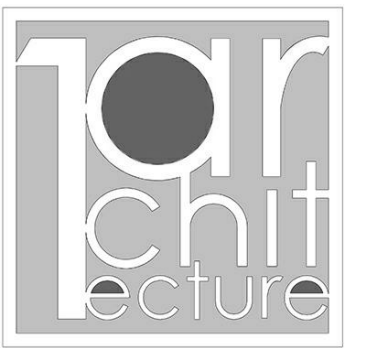
# GENERAL NOTES

## SPECIAL INSPECTIONS

- SPECIAL INSPECTION SHALL BE PROVIDED BY THE OWNER ACCORDING TO SECTION 1705 OF IBC 2015. THE APPROVED SPECIAL INSPECTOR SHALL DEMONSTRATE COMPETENCE FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTOR SHALL SEND REPORTS TO THE OWNER, THE BUILDING OFFICIAL, THE ARCHITECT, THE STRUCTURAL ENGINEER OF RECORD, AND TO THE CONTRACTOR. THE SPECIAL INSPECTOR SHALL BRING NON-CONFORMING ITEMS TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR AND NOTE ALL SUCH ITEMS IN THE REPORTS. ANY UNRESOLVED ITEM ABOUT THE COVERED WORK SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S CONSTRUCTION MANAGER AS WELL AS THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER OR NOT THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTION AGENCY REGARDING INDIVIDUAL INSPECTIONS FOR ITEMS LISTED ON THE SCHEDULE AND AS NOTED ON THE BUILDING DEPARTMENT APPROVED PLANS. ADEQUATE NOTICE AND ACCESS TO APPROVED PLANS SHALL BE PROVIDED SO THAT THE SPECIAL INSPECTOR HAS TIME TO BECOME FAMILIAR WITH THE PROJECT.
- SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.
- IN ACCORDANCE WITH IBC CHAPTER 17, THE FOLLOWING TYPES OF WORK REQUIRE SPECIAL INSPECTIONS AND TESTING:

SPECIAL INSPECTION AND VERIFICATION OF CONCRETE CONSTRUCTION REFERENCE IBC 2015, TABLE 1705.3		
VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC
INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	--	X
REINFORCING BAR WELDING:		
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	--	X
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	X	--
C. INSPECT ALL OTHER WELDS	X	--
INSPECT ANCHORS CAST IN CONCRETE	X	--
INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:		
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	--
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN A	--	X
VERIFY USE OF REQUIRED DESIGN MIX.	--	X
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	--
INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	--
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	--	X
INSPECT PRESTRESSED CONCRETE FOR:		
A. APPLICATION OF PRESTRESSING FORCES	X	--
B. GROUTING OF BONDED PRESTRESSING TENDONS	X	--
INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	--	X
VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	--	X
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	--	X

SPECIAL INSPECTION AND VERIFICATION OF SOILS REFERENCE IBC 2015, TABLE 1705.6		
VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	--	X
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	--	X
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	--	X
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	--
PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	--	X



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*Elias R. Johannsson*

02/20/2018

KEY PLAN:



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**SALINE COURTHOUSE RESTORATION**

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SHEET TITLE:

**SPECIAL INSPECTIONS**

**S002**

**FOUNDATION PLAN NOTES**

1. RE: SHEET S001 FOR GENERAL NOTES.
2. RE: ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN. COORDINATE SLAB ELEVATIONS AND SLOPES WITH ARCHITECTURAL PLANS.
3. RE: MECHANICAL AND ARCHITECTURAL DRAWINGS FOR SIZES AND LOCATION OF PENETRATIONS NOT INDICATED ON STRUCTURAL DRAWINGS.

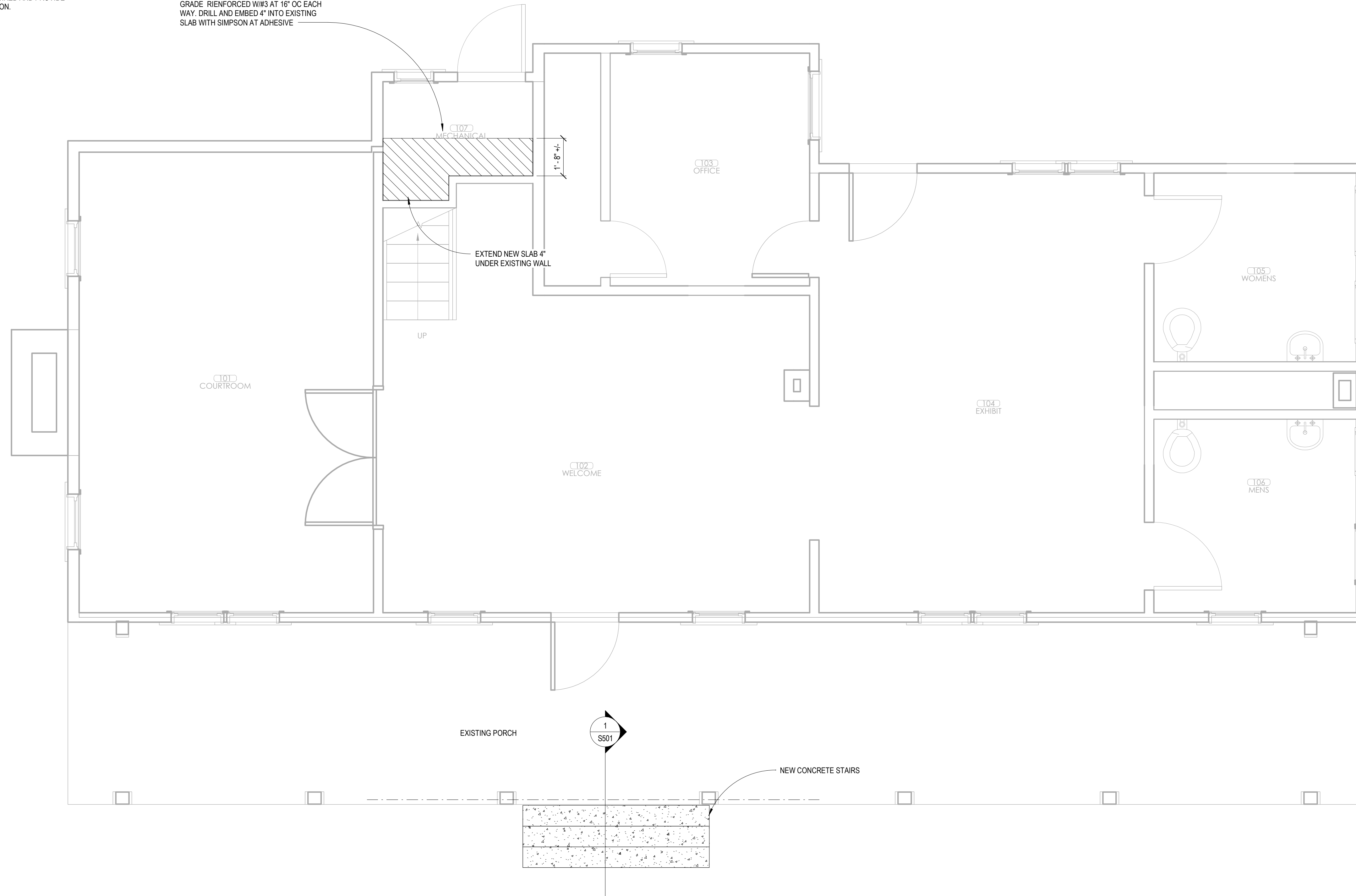
**FIELD VERIFICATION NOTE**

VERIFY ALL DIMENSIONS AND EXISTING STRUCTURAL MEMBER SIZES IN THE FIELD PRIOR TO FABRICATION OF STRUCTURAL ITEMS. EXISTING PORTION OF THE PLANS ARE FROM A PRELIMINARY FIELD SURVEY, WHICH MAY OR MAY NOT REFLECT ACTUAL AS-BUILT CONDITIONS AND DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND BETWEEN WHAT IS SHOWN ON THE DRAWINGS AND WHAT EXISTS IN THE FIELD, CONTACT THE ARCHITECT TO DETERMINE WHAT SHOULD BE DONE TO MATCH EXISTING CONDITIONS AS REQUIRED. BEGINNING OF FABRICATION MEANS ACCEPTANCE OF EXISTING CONDITIONS.

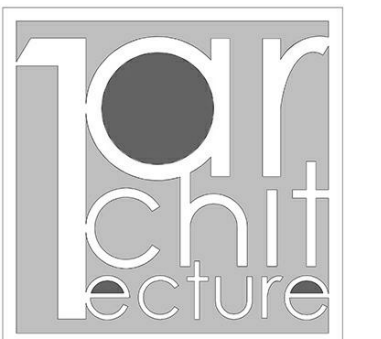
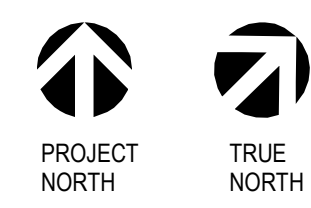
**DEMOLITION PLAN NOTES**

1. COORDINATE WITH ARCHITECTURAL, CIVIL, AND MEP FOR ADDITIONAL DEMOLITION REQUIREMENTS NOT SHOWN ON THIS DRAWINGS.
2. STRUCTURAL ENGINEER TO BE NOTIFIED TO VERIFY LOCATIONS OF ALL NEW PENETRATIONS THROUGH THE ELEVATED SLABS.
3. DO NOT DAMAGE EXISTING STRUCTURAL COLUMNS, BEAMS OR GIRDERS, UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR SHALL SHORE THE STRUCTURE AS REQUIRED AND PROVIDE PROTECTION FROM FALLING DEBRIS DURING CONSTRUCTION.

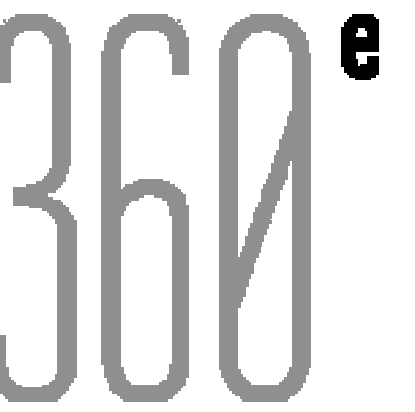
REMOVE SLAB IN HATCHED AREA AND AS REQUIRED TO INCORPORATE REMOVAL OF ALL DAMAGED CONCRETE SLAB, AND REPLACE WITH 4" CONCRETE SLAB ON GRADE. REINFORCED W#3 @ 16" OC EACH WAY. DRILL AND EMBED 4" INTO EXISTING SLAB WITH SIMPSON AT ADHESIVE



**1 FOUNDATION PLAN**  
3/8" = 1'-0"

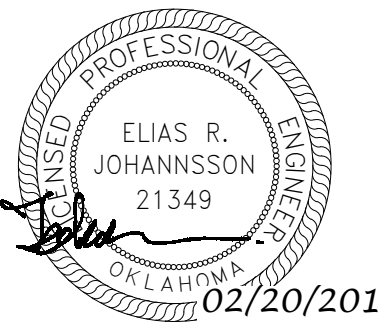


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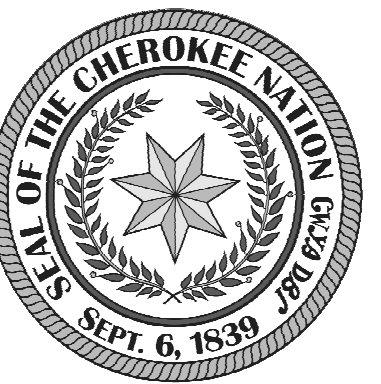
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**SALINE COURTHOUSE RESTORATION**

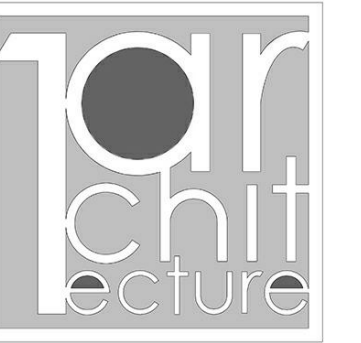
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SHEET TITLE:

**FOUNDATION PLAN**

**S100**



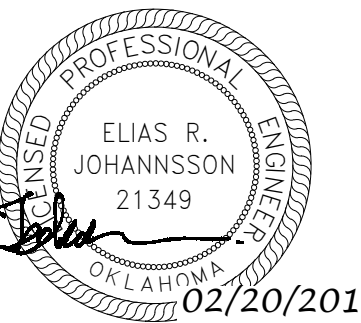


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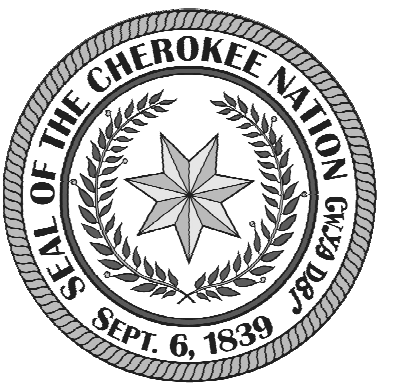
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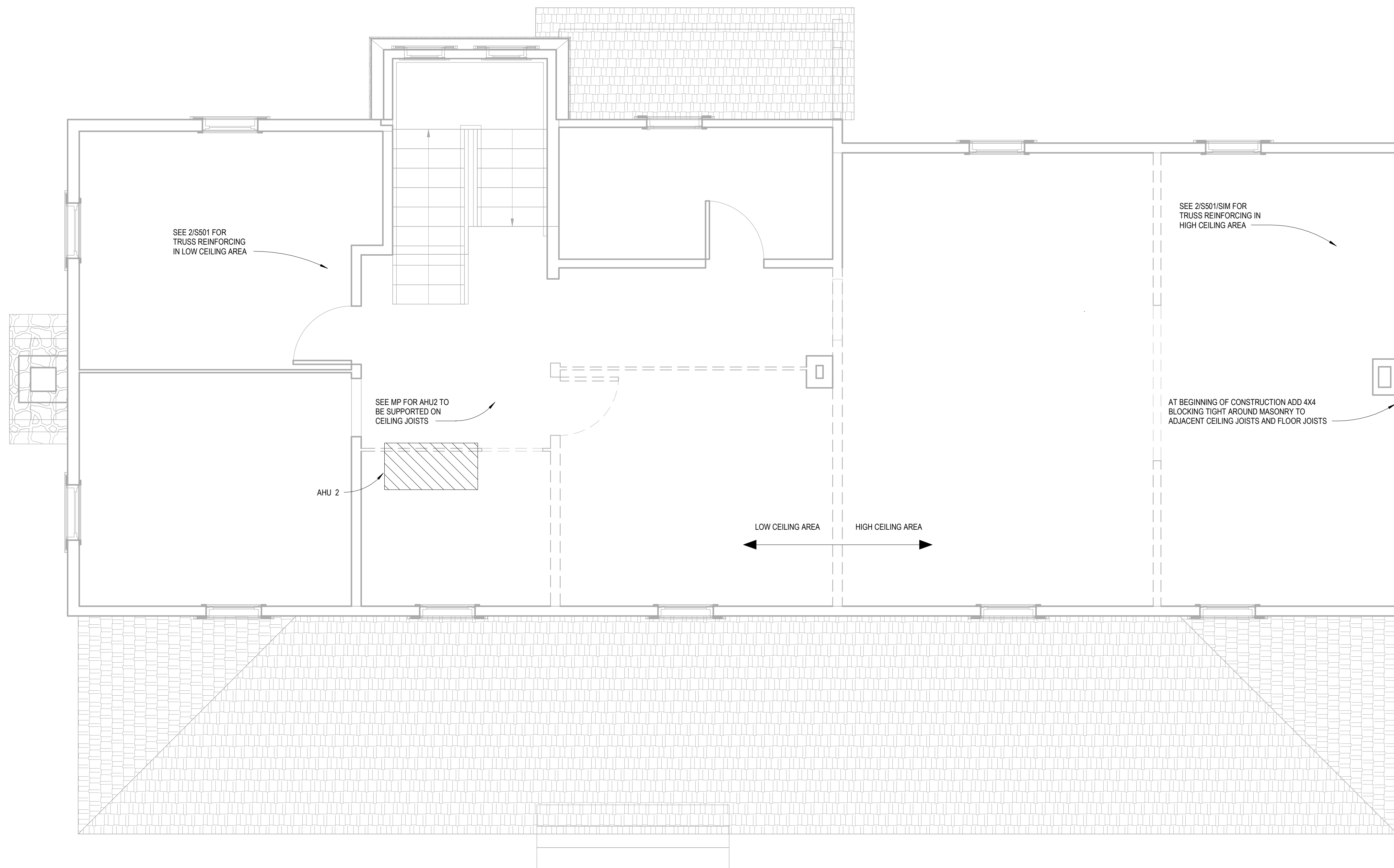
SHEET TITLE:

**FLOOR FRAMING PLAN**

**S101**

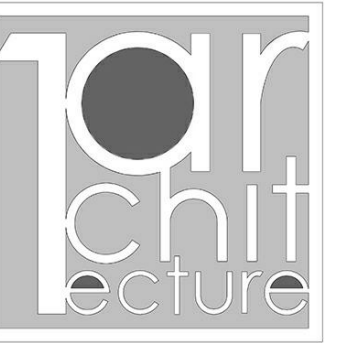
**FLOOR FRAMING PLAN NOTES (WOOD)**

1. RE: SHEET S001 FOR GENERAL NOTES.
2. RE: ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN.
3. RE: MECHANICAL AND ARCHITECTURAL DRAWINGS FOR SIZES AND LOCATION OF PENETRATIONS NOT INDICATED ON STRUCTURAL DRAWINGS.
4. ALL FRAMING MEMBERS TO BEAR ON TOP OF COLUMNS/WALLS TYP. UNO.

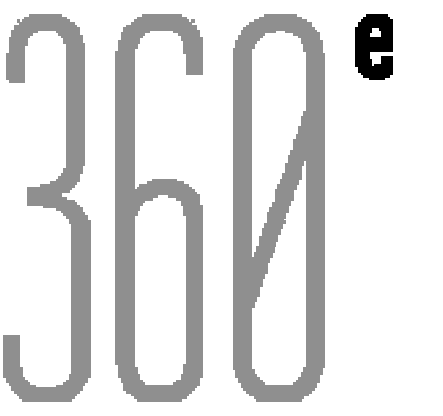


**1 FLOOR FRAMING**  
3/8" = 1'-0"





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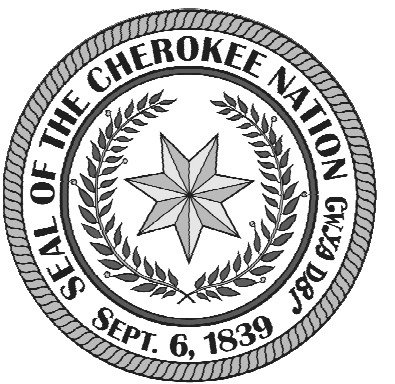
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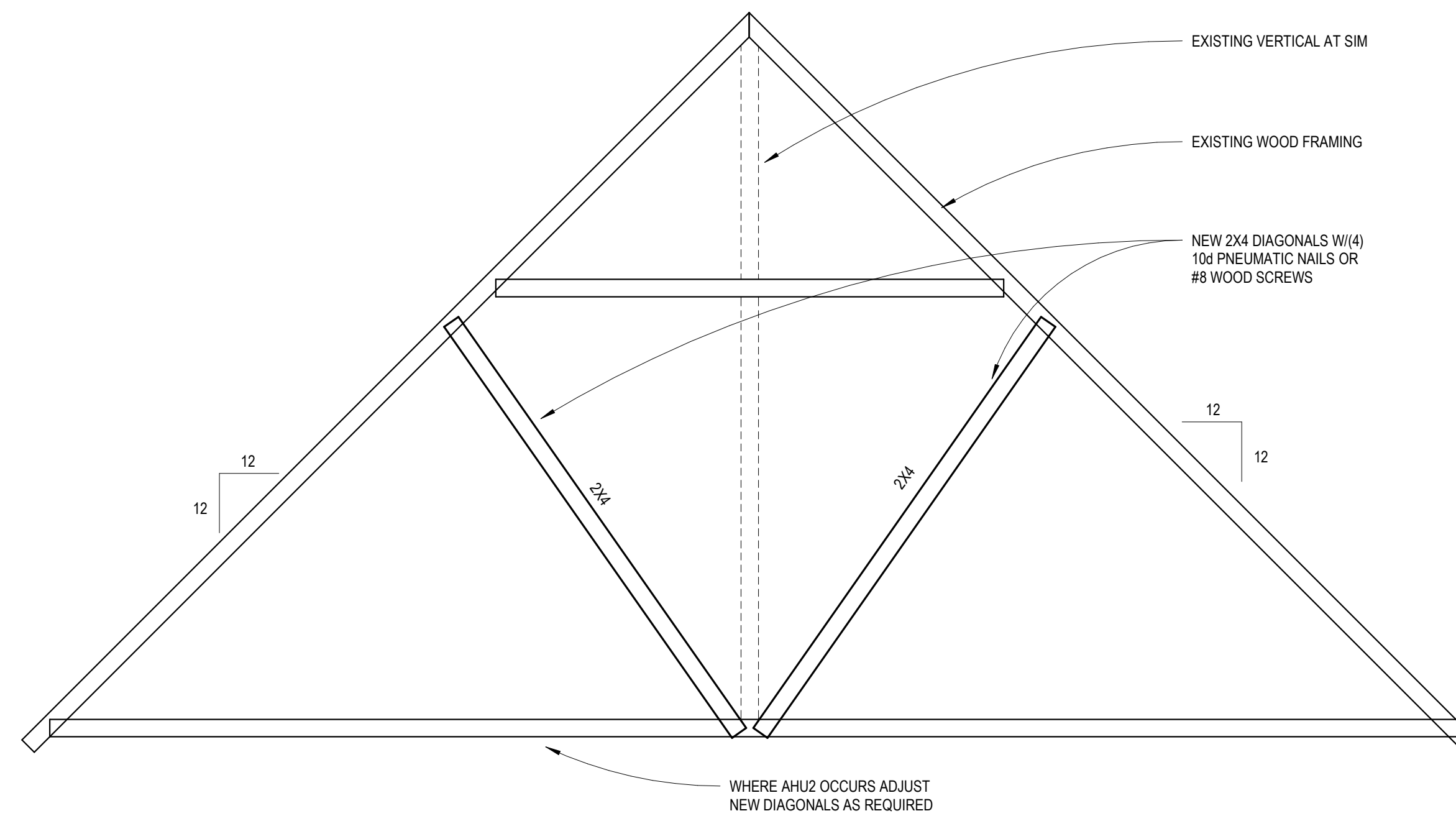
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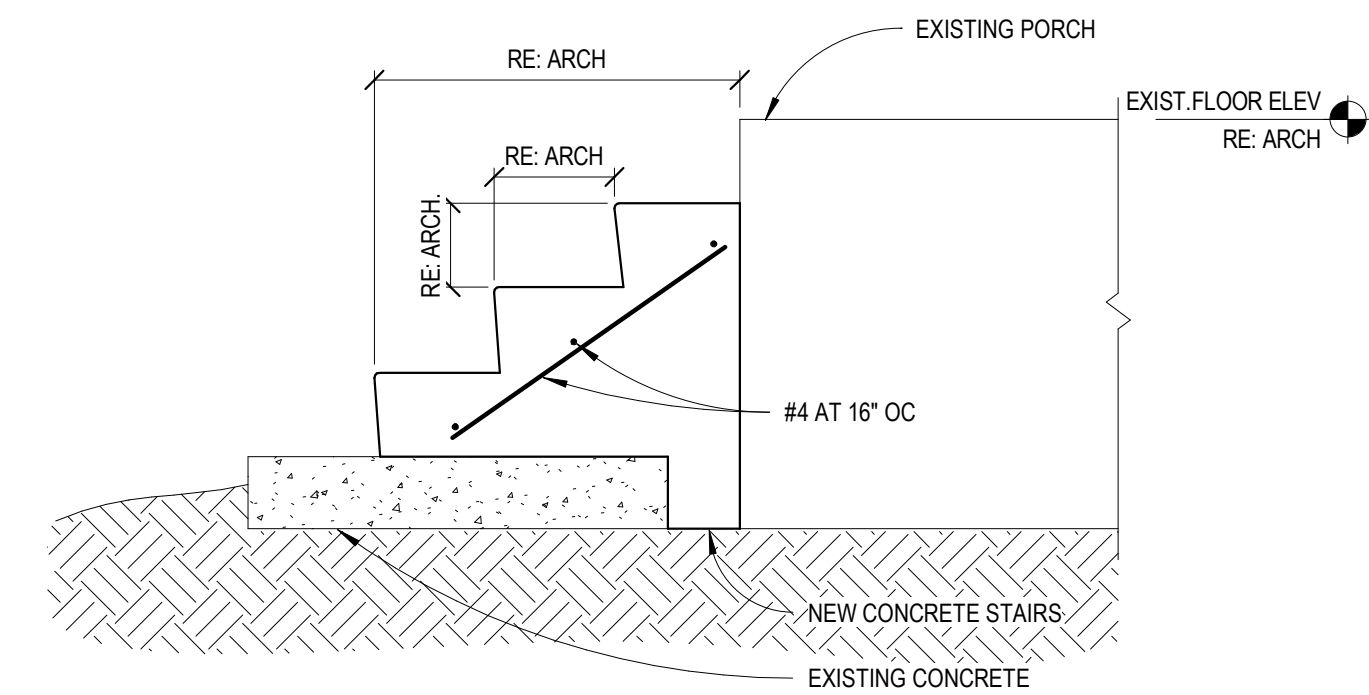
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SHEET TITLE:

**DETAILS**

**S501**



**2** ROOF FRAMING ELEVATION  
1/2" = 1'-0"

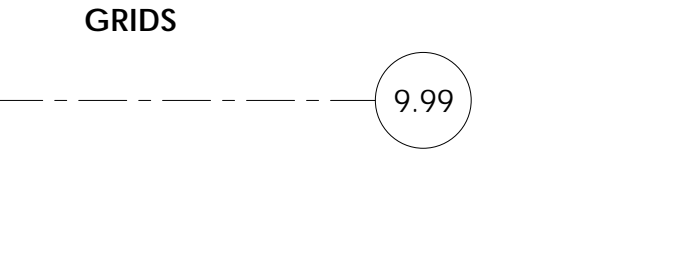
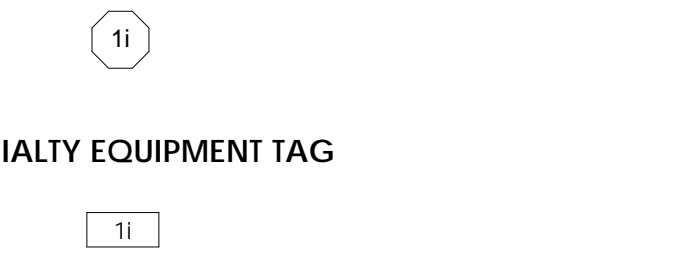
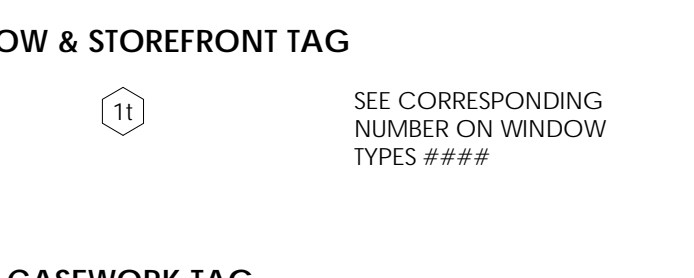
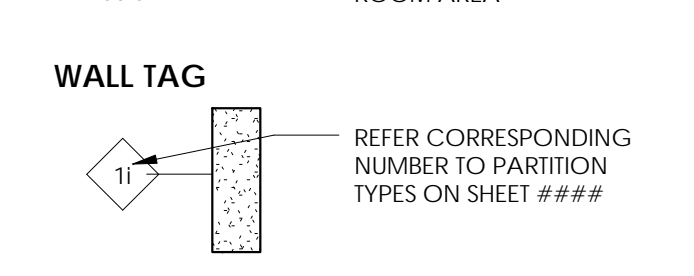
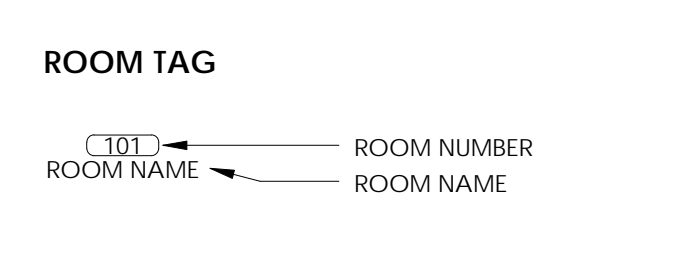
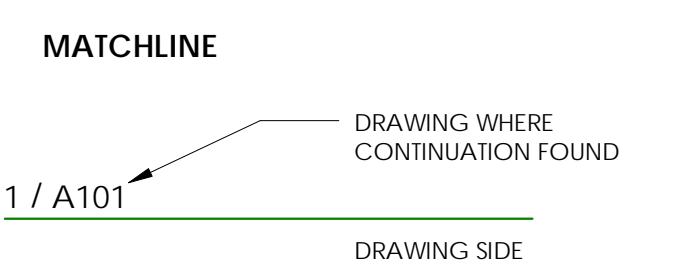
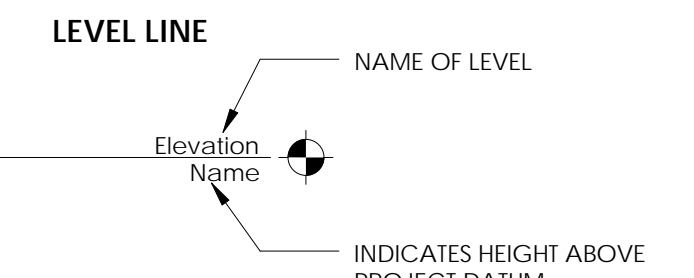
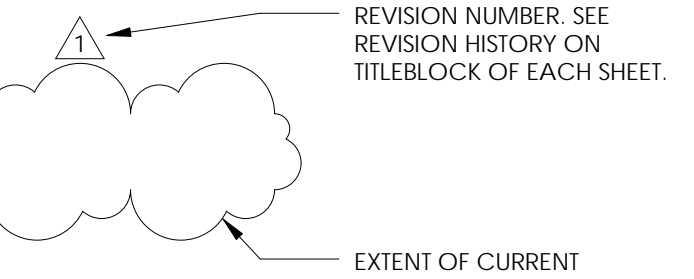
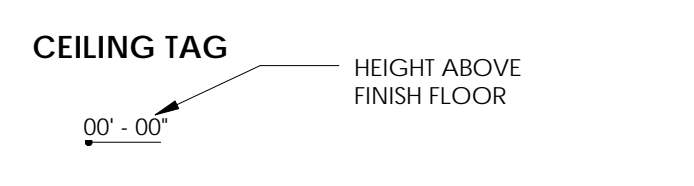
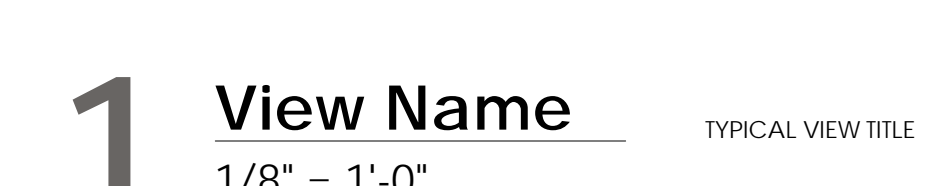
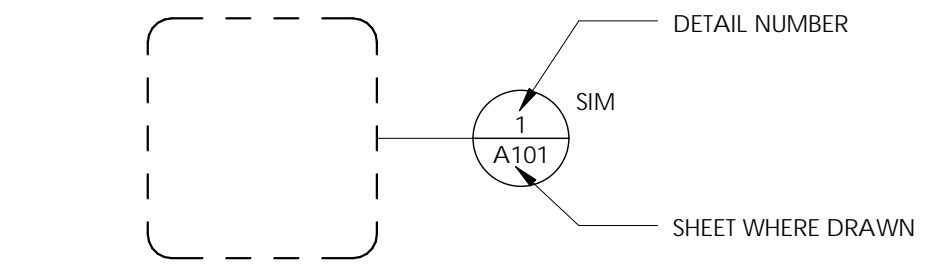
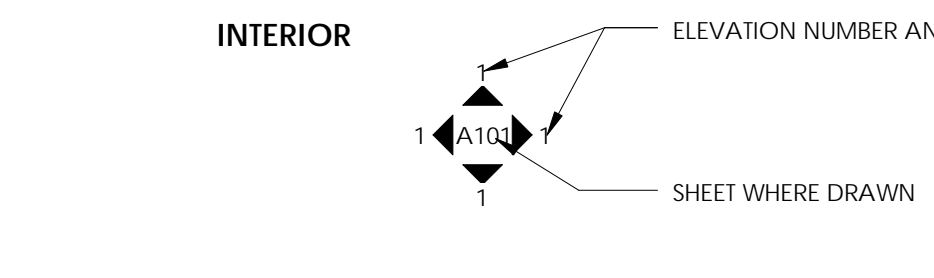
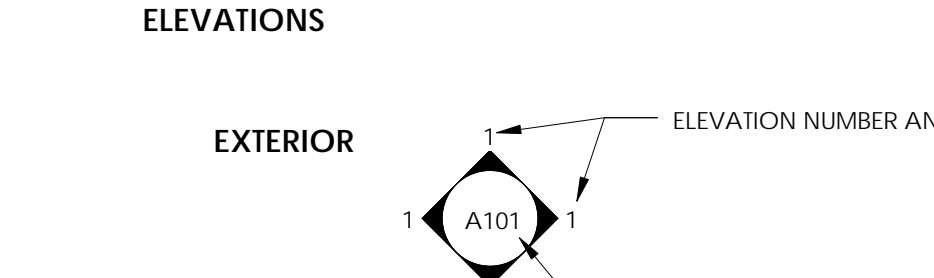
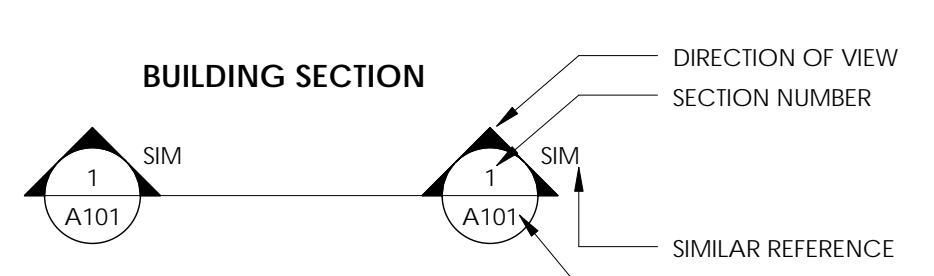
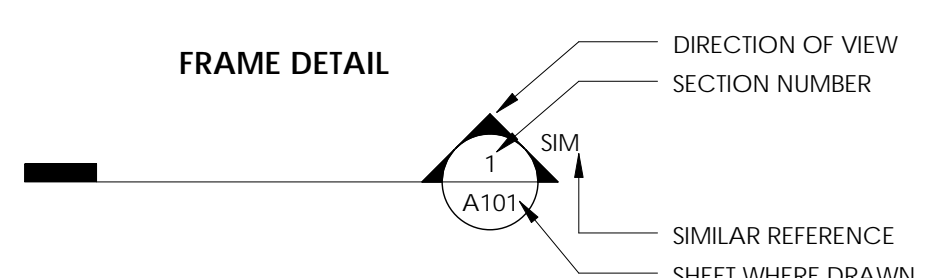
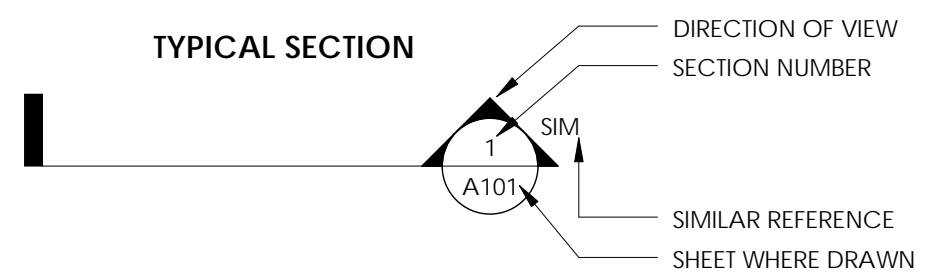


**1** STAIR SECTION  
3/4" = 1'-0"

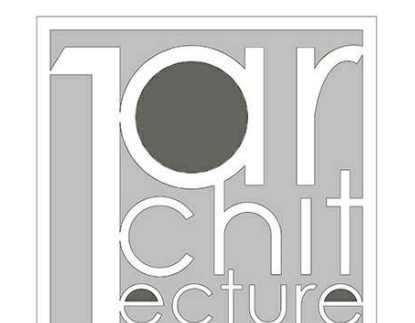
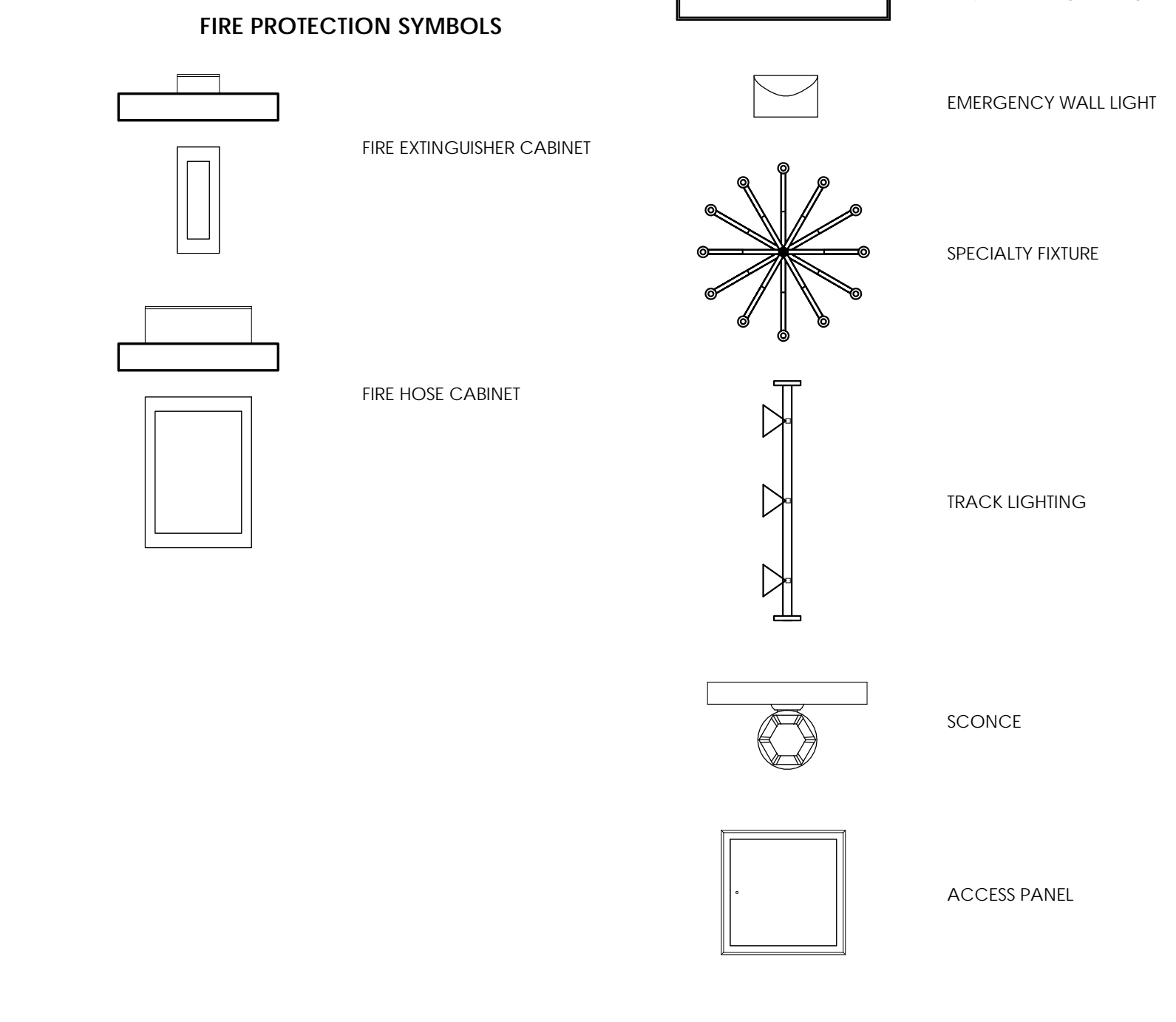
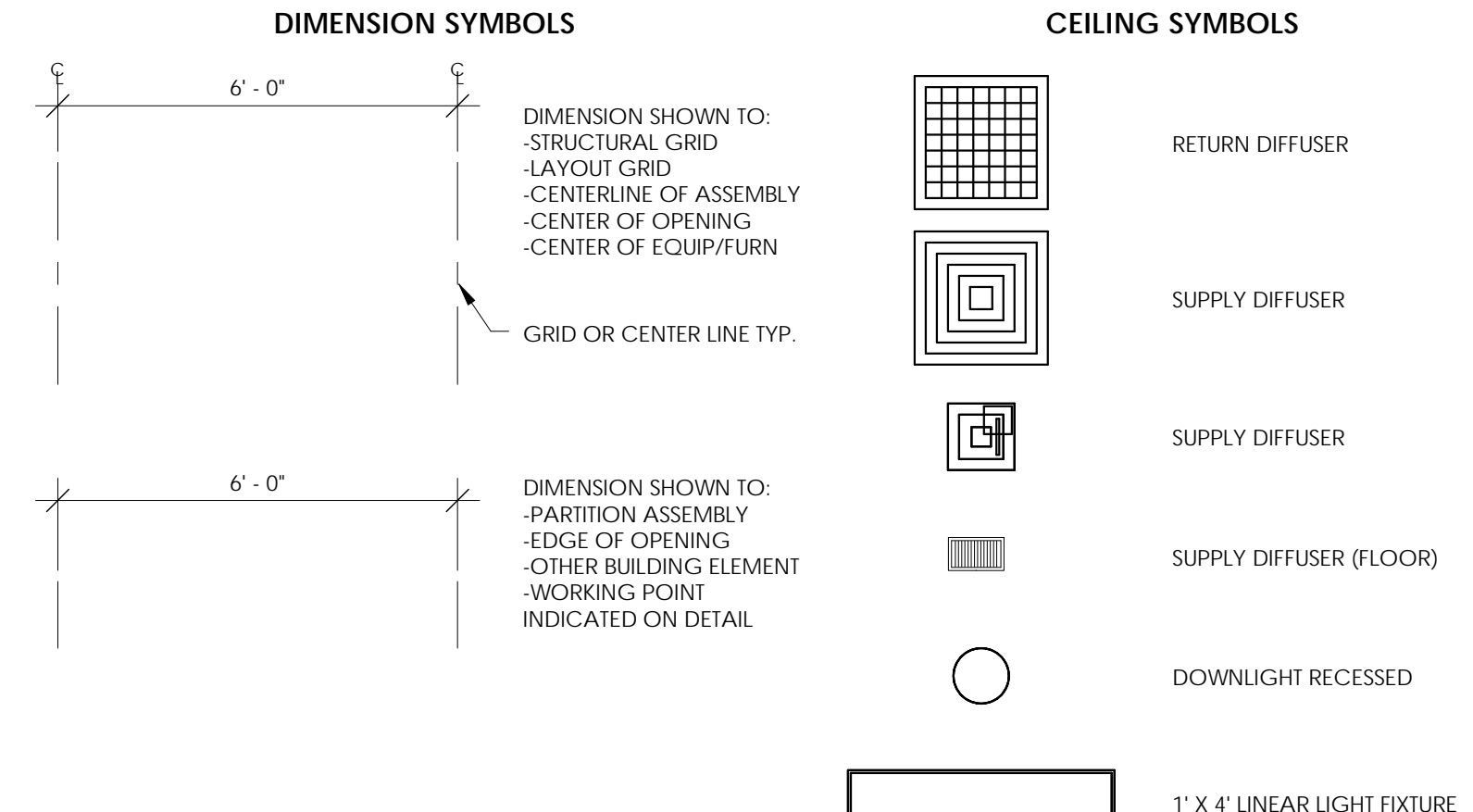
ARCHITECTURAL ABBREVIATIONS

<b>A</b>	ANCHOR BOLT ACOUSTICAL CEILING TILE ACOUSTICAL CEILING ACCESS PANEL AREA DRAIN ADDITIONAL ADHESIVE ADJUSTABLE ADJACENT ABOVE FINISH FLOOR ABOVE FINISH GRADE ABOVE FINISH SLAB AGGREGATE ALUMINUM ALTERNATE ANODIZED APPROXIMATE(LY) ARCHITECTURAL ASPHALT AVERAGE BULLETIN BOARD BOARD BITUMEN BITUMINOUS BLDG BENCHMARK BOTTOM BOTTOM OF STEEL BEARING BASEMENT BUILT UP ROOFING SYSTEM CABINET CATCH BASIN CARD CONTROL READER CUBICLE CURTAIN TRACK CLOSED CIRCUIT TELEVISION CORNER GUARD CEMENT, CEMENTITIOUS CERAMIC CHALKBOARD CAST IRON CJ CONTROL JOINT CL CENTER LINE CLG CEILING CLR CLEAR CMU CONCRETE MASONRY UNIT CNTR COUNTER COL COLUMN CONC CONCRETE CONF CONFERENCE CONN CONNECTION CONSTR CONSTRUCTION CONT CONTINUOUS CONTRACTOR CORR CORRUGATED CPT CARPET CSK COUNTERSUNK CSP COMBINATION STANDPIPE CSWK CASEWORK CT CERAMIC TILE CU CUBIC CW COLD WATER D DEPTH DBL DOUBLE DBL ACT DOUBLE ACTING DEG DEGREE DEMO DEMOLISH DEPT DEPARTMENT DET DETAIL DF DRINKING FOUNTAIN DIA DIAMETER DIAG DIAGONAL DIF DIFFUSER DIM DIMENSION DIM PT DIMENSION POINT DISP DISPENSER DIST DISTANCE DN DOWN DR DRAIN DS DOWNSPOUT DSP DRY STANDPIPE DRAPERY TRACK DT DRAWING DWGS DRAWINGS E EXIST EXISTING EA EACH EDR EQUIPMENT DRAWING EG EDGE GUARD EIFS EXTERIOR INSULATION FINISH SYSTEM EL ELEVATION ELAST ELASTOMERIC ELEC ELECTRICAL ELEV ELEVATOR EMER EMERGENCY ENCL ENCLOSURE ENGR ENGINEER EOS EDGE OF SLAB EP ELECTRICAL PANEL EPB ELECTRICAL PANEL BOARD EPDM ETHYLENE PROPYLENE DIENE MONOMER EQ EQUAL EQ SP EQUALLY SPACED EQUIP EQUIPMENT EQUIV EQUIVALENT ES ENVIRONMENTAL SERVICE ESCAL ESCALATOR EST ESTIMATE(D) EWC ELECTRIC WATER COOLER EXC EXCAVATED EXH EXHAUST EXP EXPANSION E.J. EXPANSION JOINT EXT EXTERIOR F/F FACE TO FACE FA FIRE ALARM FAS FIRE ALARM STATION FB FLAT BAR FCU FAN COIL UNIT FD FLOOR DRAIN FDC FIRE DEPARTMENT CONNECTION FDN FOUNDATION FEC FIRE EXTINGUISHER CABINET FE FIRE EXTINGUISHER FF FINISH FACE FHC FIRE HOSE CABINET FH/FEC FIRE HOSE / FIRE EXTINGUISHER CABINET FHMS FLAT HEAD MACHINE SCREW FHWS FLAT HEAD WOOD SCREW FHY FIRE HYDRANT FLAM FLAMMABLE FLASH FLASHING FLEX FLEXIBLE FLUOR FLUORESCENT FO FACE OF FSB FOLDING SHOWER BENCH FSTNR FASTENER FT FOOT, FEET FTG FOOTING FURN FURNITURE FTR FIXTURE	<b>G</b> GAS GAUGE, GAGE GALLON GALV GALVANIZED GB GRAB BAR GC GENERAL CONTRACTOR GFRC GLASS FIBER REINFORCED CONCRETE GFRC GLASS FIBER REINFORCED GYPSUM GL GLASS GLU LAM GLUE LAMINATED GLZ GLAZING GR GRADE OR GRADING GVL GRAVEL GYP GYPSUM GYP BD GYPSUM BOARD GYP PLAS GYPSUM PLASTER	<b>H</b> HIGH HB HOSE BIBB HC HOLLOW CORE HD HEAD HDBD HARDBOARD HDW HARDWARE HDWD HARDWOOD HT HEIGHT HM HOLLOW METAL HNDRL HANDRAIL HORIZ HORIZONTAL HPT HIGH POINT HR HOUR HVAC HEATING-VENTILATION-AIR ID INSIDE DIAMETER IN INCH INCAND INCANDESCENT INCL INCLUDE, INCLUDING INFO INFORMATION INSUL INSULATION INTR INTERIOR INV INVERT IVT INTRAVENOUS TRACK	<b>I</b> JANITOR JOINT K KILOGRAM KIT KITCHEN KPL KICK PLATE KS KNEE SPACE L LENGTH, LONG LAB LABORATORY LAM LAMINATE, LAMINATION LAV LAVATORY LB POUND LED LIGHT EMITTING DIODE LF LINEAR FOOT LG LENGTH LIN LINEAR LL LEAD LINED LPT LOW POINT LT LIGHT LT WT LIGHT WEIGHT LIG LIGHTING LVR LOUVER M METERS MACH MACHINE MATL MATERIAL MATV MASTER ANTENNA TELEVISION SYSTEM MAX MAXIMUM MB MACHINE BOLT MC MEDICINE CABINET MDO MEDIUM DENSITY OVERLAY MECH MECHANICAL MED MEDIUM MEMB MEMBRANE MFR MANUFACTURER MH MANHOLE MIN MINIMUM MISC MISCELLANEOUS MLDG MOLDING MM MILLIMETERS MO MASONRY OPENING MOD MODULAR, MODULAR MTD MOUNTED MTG MOUNTING MVBL MOVABLE MULL MULLION	<b>N</b> (N) NEW NA NOT APPLICABLE NAT NATURAL NE NORTHEAST NIC NOT IN CONTRACT NO NUMBER NOM NOMINAL NRC NOISE REDUCTION COEFFICIENT NIS NOT TO SCALE NW NORTHWEST OC ON CENTER OA OVERALL OD OUTSIDE DIAMETER OD CI OWNER FURNISHED-CONTRACTOR OF CI OWNER FURNISHED-OWNER INSTALLED OPP OPPOSITE ORD OVERFLOW ROOF DRAIN OH OVERHEAD OZ OUNCE PA PUBLIC ADDRESS PART PARTIAL PBC PARTICLE BOARD PBX PRIVATE TELEPHONE EXCHANGE PCF POUNDS PER CUBIC FOOT PCI POUNDS PER CUBIC INCH PERF PERFORATED PERIM PERIMETER PERM PERMANENT PERP PERPENDICULAR PI POINT OF INTERSECTION PL PLATE PLAM PLASTIC LAMINATE PLAS PLASTER PLBG PLUMBING PLF POUNDS PER LINEAR FOOT PLYWD PLYWOOD PNEU PNEUMATIC PNL PANEL PNL BD PANEL BOARD PNT PAINT PORT PORTABLE PP PUSH PLATE PPM PARTS PER MILLION PR PAIR PRCST PRECAST PREP PREPARATION PREFAB PREFABRICATION PRKG PARKING PROJ PROJECT PROP PROPERTY PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PT POINT	<b>P</b> PARTITION PTS PNEUMATIC TUBE STATION PVC POLYVINYL CHLORIDE PVG PAVING PVMT PAVEMENT PWR POWER  <b>Q</b> QT QUARRY TILE QTR QUARTER QTY QUANTITY  <b>R</b> R RISER RA RETURN AIR RAD RADIUS RB RESILIENT BASE RCP REFLECTED CEILING PLAN RECT RECTANGULAR RE REFERENCE REFR REFRIGERATOR REG REGISTER REINF REINFORCE (D) (ING) (MENT) REQD REQUIRED REOT REQUIREMENT RESIL RESILIENT RET RETURN REV REVISION RF RESILIENT FLOORING RH RIGHT HAND RHMS ROUND HEAD MACHINE RHWS ROUND HEAD WOOD SCREW RM ROOM RND ROUND RO ROUGH OPENING ROW RIGHT OF WAY RWL RAIN WATER LEADER  <b>S</b> S SA SUPPLY AIR SB SPLASH BLOCK SC SOLID CORE SCHD SCHEDULE SCRN SCREEN SD STORM DRAIN SE SOUTH/EAST SECT SECTION SEG SEGMENT SEP SEPARATION OR SEPARATE SEP JT SEPARATION JOINT SHT SHEET, SHEETING SHWR SHOWER SHV SHELVES, SHELVING SIM SIMILAR SK SINK SMS SHEET METAL SCREW SP SPACE, SPACED, SPACING SPEC SPECIFICATION SPKLR SPEAKER SQ SQUARE SS SANITARY SEWER SSK SERVICE SINK SST STAINLESS STEEL ST STREET STA STATION STAG STAGGERED STC STANDARD STD STEEL STOR STORAGE STRUCT STRUCTURAL STS SELF-TAPPING STEEL SUSP SUSPENDED SUSP CLG SUSPENDED CEILING SVCE SERVICE SW SOUTH/WEST SYMM SYMMETRICAL SYST SYSTEM  <b>T</b> T T&B TOP AND BOTTOM TAG TONGUE AND GROOVE TC TOP OF CONCRETE, TOP OF CURB TD TRENCH DRAIN TEL TELEPHONE TEMP TEMPORARY THERM THERMAL THK THICK, THICKNESS THRES THRESHOLD THRU THROUGH TMPD GL TEMPERED GLASS TOP OF TOP OF RAILING TOR TOP OF STEEL TOT TOTAL TOW TOP OF WALL TP TOP OF PAVEMENT TB TELEPHONE TERMINAL TV TELEVISION TYP TYPICAL UC UNDER COUNTER UL UNDERWRITERS LABORATORIES UNO UNLESS NOTED OTHERWISE UPS UNINTERRUPTABLE POWER SUPPLY UTIL UTILITY VAC VACUUM VB VALVE BOX VCT VINYL COMPOSITION TILE VERT VERTICAL VEST VESTIBULE VIT VITREOUS VP VENT PIPE VOL VOLUME VWC VINYL WALL COVERING  <b>W</b> W WEST W/ WITH W/O WITHOUT W/W WALL TO WALL WC WATER CLOSET WD WOOD WDW WINDOW WGL WIRE GLASS WCHR WHEEL CHAIR WM WIRE MESH WO WHERE OCCURS WPT WORKING POINT WR WATER RESISTANT WSC WAINSCOT WSP WET STANDPIPE WT WEIGHT WTHPRF WEATHERPROOF WTRPRF WATERPROOF WWF WELDED WIRE FABRIC WWM WELDED WIRE MESH XFMR TRANSFORMER  <b>Y</b> YD YARD
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ARCHITECTURAL TAGS & ANNOTATION SYMBOLS



ARCHITECTURAL SYMBOLS



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CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION  
ROSE, OK

NO.	REVISION	DATE

PROJECT NUMBER:  
1408-018  
ISSUE:  
BID SET  
DATE:  
02.23.18  
DRAWN BY:  
GS/MV  
CHECKED BY:  
ML  
SHEET TITLE:

ABBREVIATIONS & SYMBOLS

A001

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**PROJECT CODE SUMMARY**

**BUILDING CLASSIFICATION:**

OCCUPANCY CLASSIFICATION AND CONSTRUCTION TYPES PER IBC CHAPTERS 3, 4, 5, AND 6.

BASIC OCCUPANCY GROUP(S) [PER IBC CHAPTER 3]

- GROUP A-1
- GROUP A-2
- GROUP A-3
- GROUP A-4
- GROUP A-5
- GROUP B
- GROUP E
- GROUP F-1
- GROUP F-2
- GROUP H-1
- GROUP H-2
- GROUP H-3
- GROUP H-4
- GROUP H-5
- GROUP I-1
- GROUP I-2
- GROUP I-3
- GROUP I-4
- GROUP M
- GROUP R-1
- GROUP R-2
- GROUP R-3
- GROUP R-4
- GROUP S-1
- GROUP S-2
- GROUP U

MIXED USE AND OCCUPANCY [PER IBC SECTION 508]

- ACCESSORY OCCUPANCIES [IBC 508.2]
- INCIDENTAL ACCESSORY OCCUPANCIES [IBC 509.1]
- NONSEPARATED OCCUPANCIES [IBC 508.3]
- SEPARATED OCCUPANCIES [IBC 508.4]

\*REFER TO FIRE AND LIFE SAFETY PLANS FOR SEPARATION REQUIREMENTS

TYPE(S) OF CONSTRUCTION [PER IBC CHAPTER 6]

SPECIAL DETAILED REQUIREMENTS:

- HIGH-RISE BUILDING [PER IBC SECTION 403]
- ATRIUM [PER IBC SECTION 404]
- OPEN PARKING GARAGE [PER IBC SECTION 406.3]
- GROUP I-2 [PER IBC SECTION 407]
- HAZARDOUS MATERIALS [PER IBC SECTION 414]
- MEZZANINE [PER IBC SECTION 505]

MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE [PER IBC TABLE 705.8]

FIRE SEPARATION DISTANCE	DEGREE OF PROTECTION (UP, NS)	(LP, S)	(P)
0 < 3 FT	NP	NP	NP
3 < 5 FT	NP	15%	15%
5 < 10 FT	10%	25%	25%
10 < 15 FT	15%	45%	45%
15 < 20 FT	25%	75%	75%
20 < 25 FT	45%	NL	NL
25 < 30 FT	70%	NL	NL
30 FT >	NL	NR	NR

**MINIMUM FIRE-RESISTANCE REQUIREMENTS:**

FIRE-RESISTIVE RATING REQUIREMENTS FOR BUILDING ELEMENTS [PER IBC TABLE 601]

TYPE OF CONSTRUCTION [PER IBC TABLE 602]

- PRIMARY STRUCTURAL FRAME: BEARING WALLS (EXT): 0 HOURS
- BEARING WALLS (INTR): 0 HOURS
- NON-BRG WALLS AND PARTITIONS (EXT): 0 HOURS
- NON-BRG WALLS AND PARTITIONS (INTR): 0 HOURS
- FLOOR CONSTR AND SECONDARY MEMBERS: 0 HOURS
- ROOF CONSTR AND SECONDARY MEMBERS: 0 HOURS

FIRE-RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (X) [PER NFPA 18.1.6.2 & 20.1.6.3 AND IBC TABLE 602]

CONSTRUCTION TYPE / OCCUPANCY	RATING (HR)
X < 5 FT	1 HOURS
5 FT < X < 10 FT	1 HOURS
10 FT < X < 30 FT	0 HOURS
X > 30 FT	0 HOURS

ADDITIONAL FIRE-RESISTIVE RATINGS:

DESCRIPTION	CODE SECTION	RATING (HR)
SHAFT ENCLOSURES	IBC 713.4	2
FOUR STORIES OR MORE: LESS THAN FOUR STORIES:	IBC 1023.1	1
EXIT ENCLOSURES	IBC 1023.1	2
FOUR STORIES OR MORE: LESS THAN FOUR STORIES:	IBC 1023.3	1
EXIT PASSAGEWAYS	IBC 3002.1	2
HOISTWAY ENCLOSURES:	IBC 3006.4	2
ELEVATOR MACHINE ROOMS:	IBC 3006.4	2
CORRIDORS [IBC TABLE 1020.1]	SPRINKLERED	0
OCCUPANCY: A-3 OCC LOAD SERVED: >30	RATING (HR):	0

**LIFE SAFETY SYSTEMS:**

[PER IBC AND IFC CHAPTER 9]

- AUTOMATIC SPRINKLER SYSTEM: PROVIDED PER NFPA 13
- ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS: PROVIDED - REFER TO FIRE PROTECTION DRAWINGS
- STANDPIPE SYSTEM: PROVIDED PER NFPA 14
- PORTABLE FIRE EXTINGUISHERS: PROVIDED PER NFPA 10
- FIRE ALARM SYSTEM: PROVIDED PER NFPA 72

**PROJECT CODE SUMMARY - GENERAL**

FIRE DOOR AND FIRE SHUTTER FIRE PROTECTION RATINGS (hours): [PER IBC TABLE 716.3]

TYPE OF ASSEMBLY	REQD ASSEMBLY RATING	MIN. FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING
Fire walls and fire barriers having a required fire-resistance rating greater than 1 hour	4	3
	3	3
	2	1 1/2
	1 1/2	1 1/2
Fire barriers having a required fire-resistance rating of 1 hour		
Shaft, exit enclosure and exit passageway walls:	1	1
Other fire barriers:	1	3/4
Fire partitions		
Corridor walls:	1	1/3
	0.5	1/3
Other fire partitions:	0.5	1/3
Exterior Walls		
	3	1 1/2
	2	1 1/2
	1	3/4
Smoke Barriers	1	1/3

MIN. NUMBER OF EXITS FOR OCCUPANT LOAD [IBC TABLE 1006.3.1]

OCCUPANT LOAD	MIN. # OF EXITS PER STORY
1-500	2
501-1,000	3
MORE THAN 1,000	4

NOTE: PER TABLE 1006.3.2 (2), THE FIRST STORY ABOVE GRADE PLANE WITH ONE EXIT AND OCCUPANCY TYPE A HAS A MAXIMUM OCCUPANT LOAD PER STORY OF 49 AND A MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE OF 75 FT.

COMMON PATH OF EGRESS TRAVEL [NFPA 101, CHAP. 12, 38 & 42 & IBC 1006.2.1]

OCCUPANCY	SPRINKLERED	MAX. DISTANCE
A	YES	75' - 0"
B/S	YES	100' - 0"
L2/R	YES	75' - 0"

EXIT ACCESS TRAVEL DISTANCE [NFPA 101, CHAP. 18, 20 & 38 & IBC TABLE 1017.2]

OCCUPANCY	SPRINKLERED	MAX. DISTANCE
A/R/S	YES	250' - 0"
B	YES	300' - 0"
L2	YES	200' - 0"
AMB CARE-B	YES	200' - 0"

DEAD ENDS [NFPA 101, CHAP. 38 & IBC 1020.4]

OCCUPANCY	SPRINKLERED	MAX. DISTANCE
A	YES	20' - 0"
B	YES	50' - 0"
L2	YES	20' - 0"
S	YES	50' - 0"

**EXIT CAPACITY FACTORS:**

[PER IBC 1005.1] MINIMUM REQUIRED EGRESS WIDTH: PROVIDED PER NFPA 13

STAIRWAYS: 0.3

OTHER EGRESS COMPONENTS: 0.2

\*REFER TO THE LIFE SAFETY PLANS FOR COMPLIANCE WITH MEANS OF EGRESS WIDTH REQUIREMENTS.

**PROJECT FIRE AND LIFE SAFETY SHEET NOTES**

- A. INTERIOR WALL & CEILING FINISHES SHALL HAVE A FLAME SPREAD INDEX RATING OF NO MORE THAN CLASS B AT VERTICAL EXITS & EXIT PASSAGEWAYS AND EXIT ACCESS CORRIDORS AND OTHER EXITWAYS, U.N.O.
- B. INTERIOR WALL & CEILING FINISHES SHALL HAVE A FLAME SPREAD INDEX RATING OF NO MORE THAN CLASS C AT ROOMS AND ENCLOSED SPACES, U.N.O.
- C. ALL NEW MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING INDEX NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50.
- D. FIRE EXTINGUISHERS (2A RATED) SHALL BE LOCATED SUCH THAT A MAXIMUM TRAVEL DISTANCE OF 75 FEET SHALL NOT BE EXCEEDED (WHERE REQUIRED BY CODE) WITH THE MAXIMUM AREA TO BE PROTECTED PER EXTINGUISHER TO BE 3,000 SF FOR ORDINARY (MODERATE) HAZARD OCCUPANCY. FIRE EXTINGUISHER TYPE SHALL BE 2A-10BC, UNLESS NOTED OTHERWISE. REFERENCE A003 FOR LOCATIONS.
- E. LEVEL/ AREA MAIN OCCUPANCY EXIT SIGN LOCATIONS ARE SHOWN. REFERENCE ELECTRICAL SHEETS FOR ALL EXIT SIGN LOCATIONS. REFERENCE A004 FOR MOUNTING.
- F. ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE SPACE POSTED IN A CONSPICUOUS LOCATION NEAR THE EXIT ACCESS DOORWAY.
- G. EXISTING HISTORIC FINISHES NOT MEETING CURRENT FLAME SPREAD REQUIREMENTS MAY REMAIN PER IBC 2015, 1203.5
- H. REPLACEMENT OF EXISTING OR MISSING FEATURES USING ORIGINAL MATERIALS SHALL BE PERMITTED PER IBC 2015, 1202.4.

**CODES / STANDARDS**

APPLICABLE CODES/CRITERIA/DESIGN POLICY:

AUTHORITY HAVING JURISDICTION:

CHEROKEE NATION

INTERNATIONAL BUILDING CODES

(IBC)	INTERNATIONAL BUILDING CODE	2015
(IEBC)	INTERNATIONAL EXISTING BUILDING CODE	2015
(IFC)	INTERNATIONAL FIRE CODE	2015
(IMC)	INTERNATIONAL MECHANICAL CODE	2015
(IPC)	INTERNATIONAL PLUMBING CODE	2015

NATIONAL FIRE PROTECTION ASSOCIATION

NFPA 10	STANDARD FOR PORTABLE FIRE EXTINGUISHERS	2013
NFPA 13	INSTALLATION OF SPRINKLER SYSTEMS	2014
NFPA 70	NATIONAL ELECTRICAL CODE	2013
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE	2014
NFPA 101	LIFE SAFETY CODE	2015

ACCESSIBILITY GUIDELINES

ICC/ANSI 117.1	ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES	2009
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**LEGEND**

**EXITING SYMBOLS**

- EXIT TO EXTERIOR
- EXIT FROM STORY
- EXIT FROM A SPACE

**EGRESS COMPONENT CAPACITY SYMBOLS**

- CALCULATED EXIT WIDTH REQUIRED (IN.)
- MIN. WIDTH OF MEANS OF EGRESS COMPONENT (IN.)
- EXIT WIDTH PROVIDED (IN.)
- NUMBER OF OCCUPANTS EXITING
- MIN. WIDTH OF MEANS OF EGRESS COMPONENT (IN.)
- EXIT WIDTH PROVIDED (IN.)
- STAIR #
- STAIR NAME OR DESCRIPTION
- NUMBER OF OCCUPANTS EXITING
- EXIT WIDTH PROVIDED (IN.)

**CODE INFORMATION**

**OCCUPANCY LOAD**

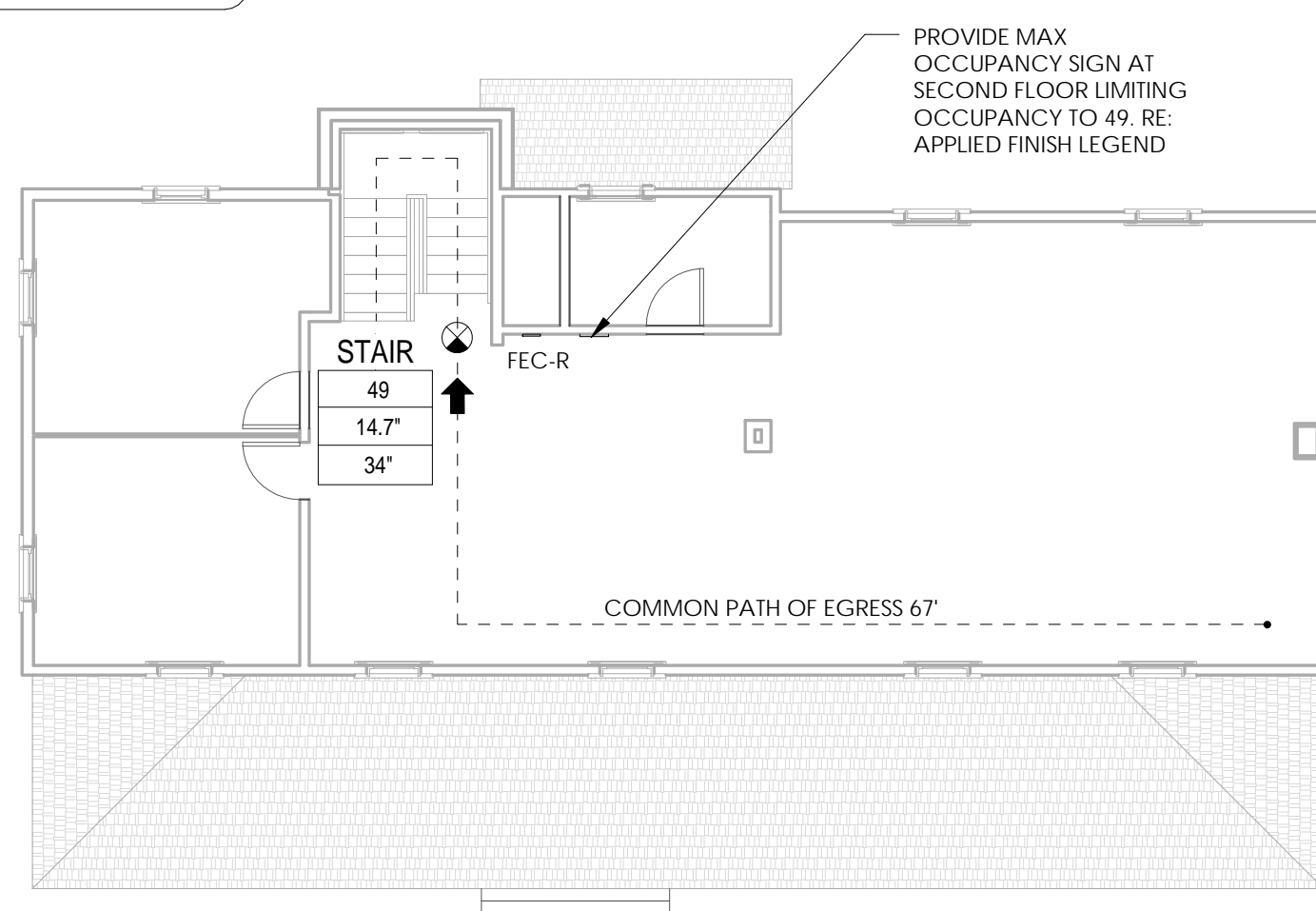
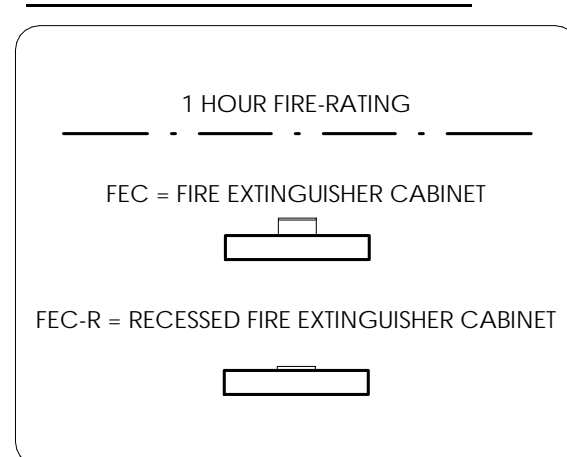
FLOOR	OCCUPANCY	AREA	OCCUPANT LOAD
FLOOR 1	ASSEMBLY - UNCONCENTRATED - 1:15 NET	837 SF	55.83
	BATHROOMS	152 SF	0
	BUSINESS/OFFICE - 1:100 GROSS	91 SF	0.91
	STORAGE AND MECHANICAL - 1:300 GROSS	57 SF	0.19
		1137 SF	56.93
FLOOR 2	ASSEMBLY - UNCONCENTRATED - 1:15 NET	1062 SF	70.77 (CALCULATED)
	BATHROOMS	50 SF	0
		1111 SF	49.00 (DESIGNED)
	Total:	2249 SF	127.7 (CALCULATED)
		106	(DESIGNED)

**FIXTURE REQUIREMENTS - IBC TABLE 2902.1**

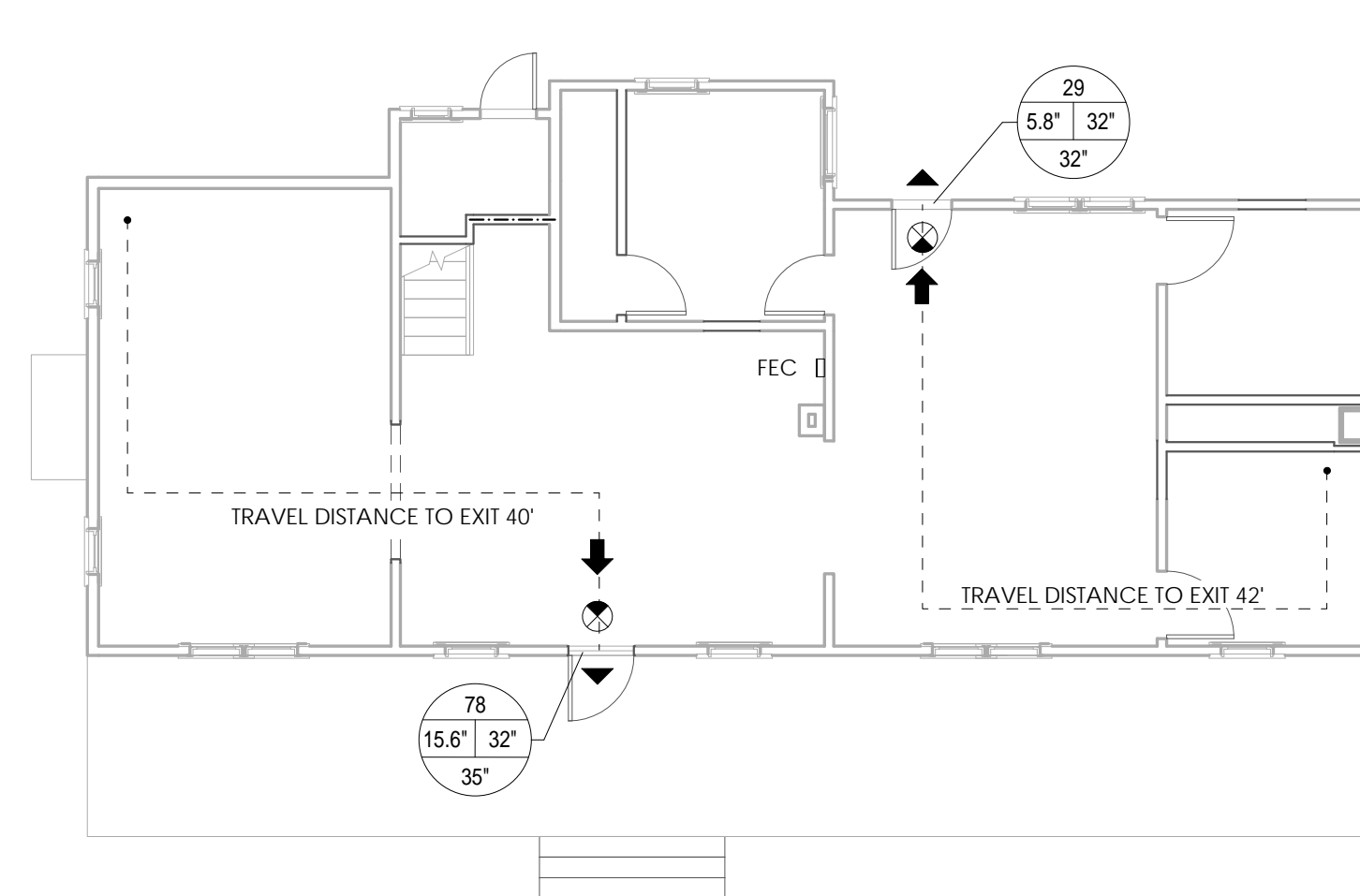
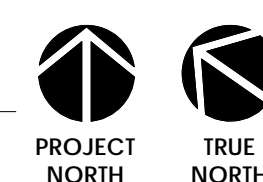
SPACE	LOAD	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAIN				
		MALE	FEMALE	MALE	FEMALE	RATIO	REQUIRED			
ASSEMBLY	106	1/125	.42	1/65	.82	1/200	.23	.23	1/500	.18
BUSINESS	1	1/25 - FIRST 50	.02	1/25 - FIRST 50	.02	1/40 - FIRST 80	.01	.01	1/100	.01
STORAGE	1	1/100	.01	1/100	.01	1/100	.01	.01	1/1000	.01
SUBTOTALS			.45		.85		.25	.25		.20
REQUIRED TOTALS			1		1		1	1		1*

A. REMODEL DOESNT REQUIRE ADDITIONAL PLUMBING FIXTURES AS AN IBC LEVEL 2 ALTERATION. DRINKING FOUNTAIN NOT PROVIDED.

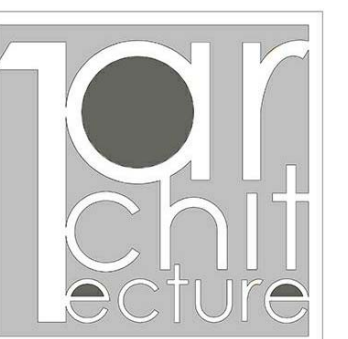
**LIFE SAFETY LEGEND**



**2 LIFE SAFETY PLAN - FLOOR 2**  
1/8" = 1'-0"



**1 LIFE SAFETY PLAN - FLOOR 1**  
1/8" = 1'-0"



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DRAWN FOR:

**CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION**  
ROSE, OK

NO.	REVISION	DATE

PROJECT NUMBER:

1408-018

ISSUE:

BID SET

DATE:

02.23.18

DRAWN BY:

GS/MV

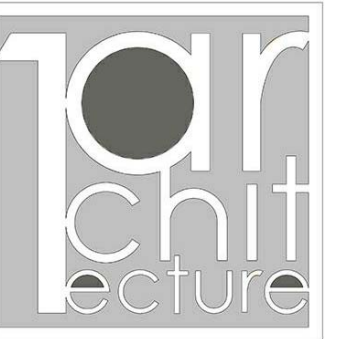
CHECKED BY:

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SHEET TITLE:

**LIFE SAFETY**

**A002**

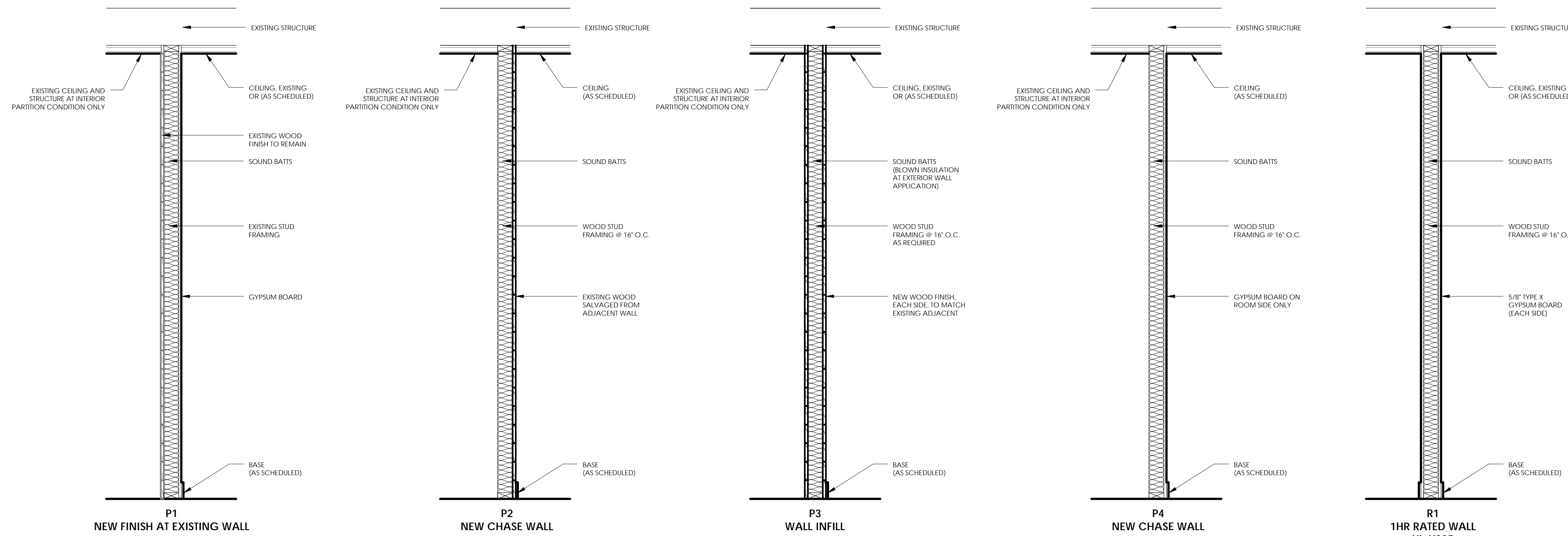


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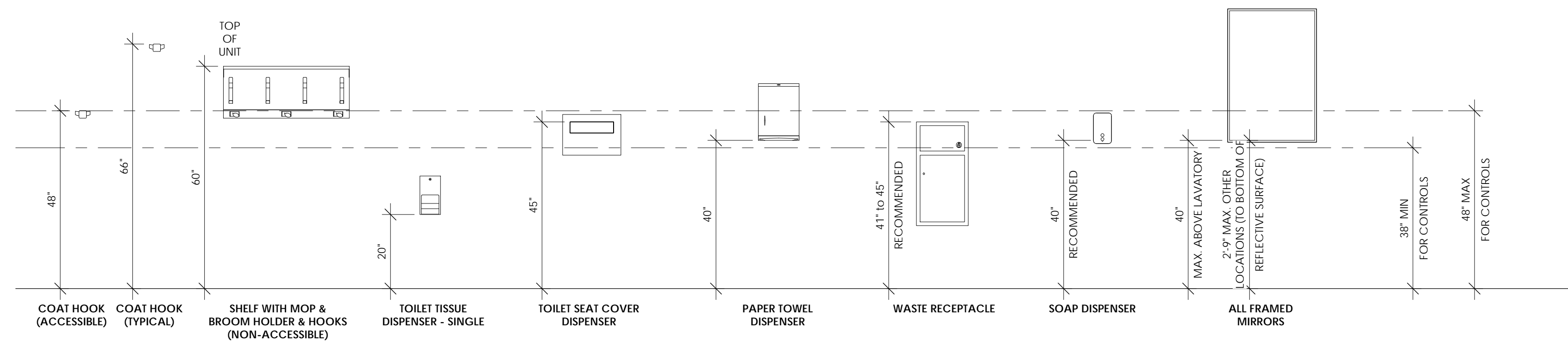


**SHEET NOTES:**

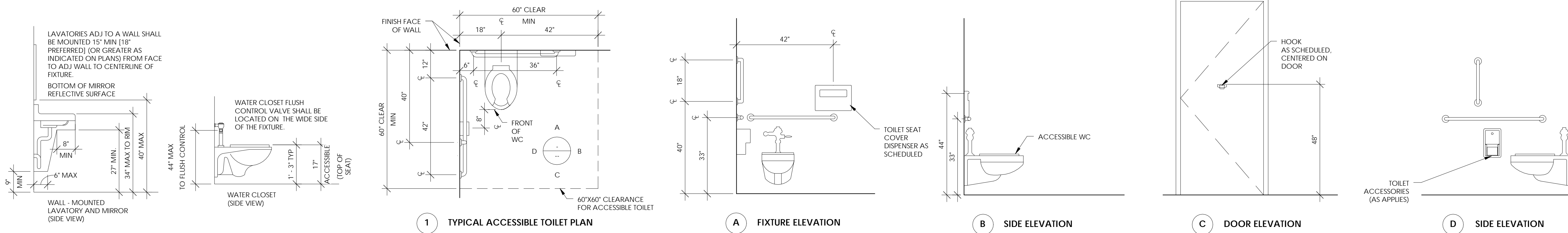
- A. IT IS THE INTENT OF THE DESIGN THAT ALL ITEMS SHOWN MOUNTED AT TYPICAL HEIGHTS BE ACCESSIBLE TO PERSONS WITH DISABILITIES.
- B. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE TYPICAL MOUNTING HEIGHTS AND - WHERE APPLICABLE - TYPICAL MINIMUM OR MAXIMUM CLEARANCES AND/OR TYPICAL MOUNTING CONFIGURATIONS FOR A VARIETY OF ITEMS. CAUTION: THIS SHEET MAY ILLUSTRATE ITEMS OR CONFIGURATIONS WHICH DO NOT OCCUR AS PART OF THE WORK OF THIS PROJECT. REFER TO THE PLANS, ELEVATIONS, SECTIONS, DETAILS, AND SCHEDULES TO DETERMINE WHICH ITEMS AND CONFIGURATIONS APPLY TO THE WORK OF THIS PROJECT.
- C. THE MOUNTING HEIGHTS, CLEARANCES, AND CONFIGURATIONS SHOWN ON THIS SHEET ARE TYPICAL AND SHALL APPLY TO ALL INSTANCES OF THE ITEM (OR GROUP OF ITEMS) SHOWN UNLESS SPECIFICALLY NOTED OR DIMENSIONED OTHERWISE.
- D. SPECIAL OR NON-TYPICAL MOUNTING HEIGHTS OCCUR ONLY WHERE INDICATED BY ANNOTATED SYMBOLS; BY KEY NOTES; BY NOTES ON PLANS, ELEVATIONS, OR DETAILS; OR BY UNIQUE DIMENSIONS ON ELEVATIONS OR DETAILS.
- E. TYPICAL MOUNTING HEIGHTS FOR ADDITIONAL ITEMS NOT SHOWN ON THIS SHEET MAY BE ILLUSTRATED BY OTHER SHEETS.
- F. MOUNTING CONFIGURATION DIAGRAMS ARE ELEVATIONS WHICH ILLUSTRATE TYPICAL RULES GOVERNING THE RELATIONSHIPS BETWEEN, AND PLACEMENT OF, ITEMS WHICH OCCUR IN GROUPS OF RELATED ITEMS OR IN CLOSE PROXIMITY TO OTHER PARTS OF THE WORK (SUCH AS SWITCHES AND DOOR FRAMES). UNLESS OTHER MOUNTING CONFIGURATIONS ARE SPECIFICALLY NOTED, DIMENSIONED, OR ELEVATED, THE TYPICAL RELATIONSHIPS, ARRANGEMENTS, AND THE TYPICAL CONFIGURATION DIAGRAMS APPLY THROUGHOUT THE WORK OF THIS PROJECT.
- G. TYPICAL MOUNTING CONFIGURATIONS FOR ADDITIONAL GROUPING NOT SHOWN ON THIS SHEET MAY BE SHOWN ON OTHER SHEETS.
- H. MOUNTING HEIGHTS, DIMENSIONS, CLEARANCES, AND ACCESS REQUIREMENTS FOR TOILET ACCESSORIES SHOWN ON THIS SHEET ARE BASED UPON SPECIFIC MANUFACTURERS AND MODELS AS INDICATED BY THE "TOILET ACCESSORY SCHEDULE" OR PER THE SPECIFICATIONS. WHEN SIMILAR ACCESSORIES OF OTHER SPECIFIED, ACCEPTABLE MANUFACTURERS (IF ANY) ARE UTILIZED, MOUNTING HEIGHTS, DIMENSIONS, CLEARANCES, AND ACCESS REQUIREMENTS OF THE SIMILAR ACCESSORIES MAY VARY FROM THOSE SHOWN. WHEN SIMILAR ACCESSORIES ARE UTILIZED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION REQUIRED TO ACHIEVE THE SAME AESTHETIC AND FUNCTIONAL DESIGN INTENT ILLUSTRATED BY THAT SHOWN ON THE DRAWINGS. VERIFY ADA REQUIREMENTS AND FIELD CONDITIONS PRIOR TO INSTALLATION. REFERENCE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION PER ADA REQUIREMENTS.



**3 PARTITION TYPES**  
3/4" = 1'-0"



**2 TYPICAL MOUNTING HEIGHTS**  
1/2" = 1'-0"



**1 TYPICAL ACCESSIBLE RESTROOM LAYOUT**  
1/2" = 1'-0"



CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION  
ROSE, OK

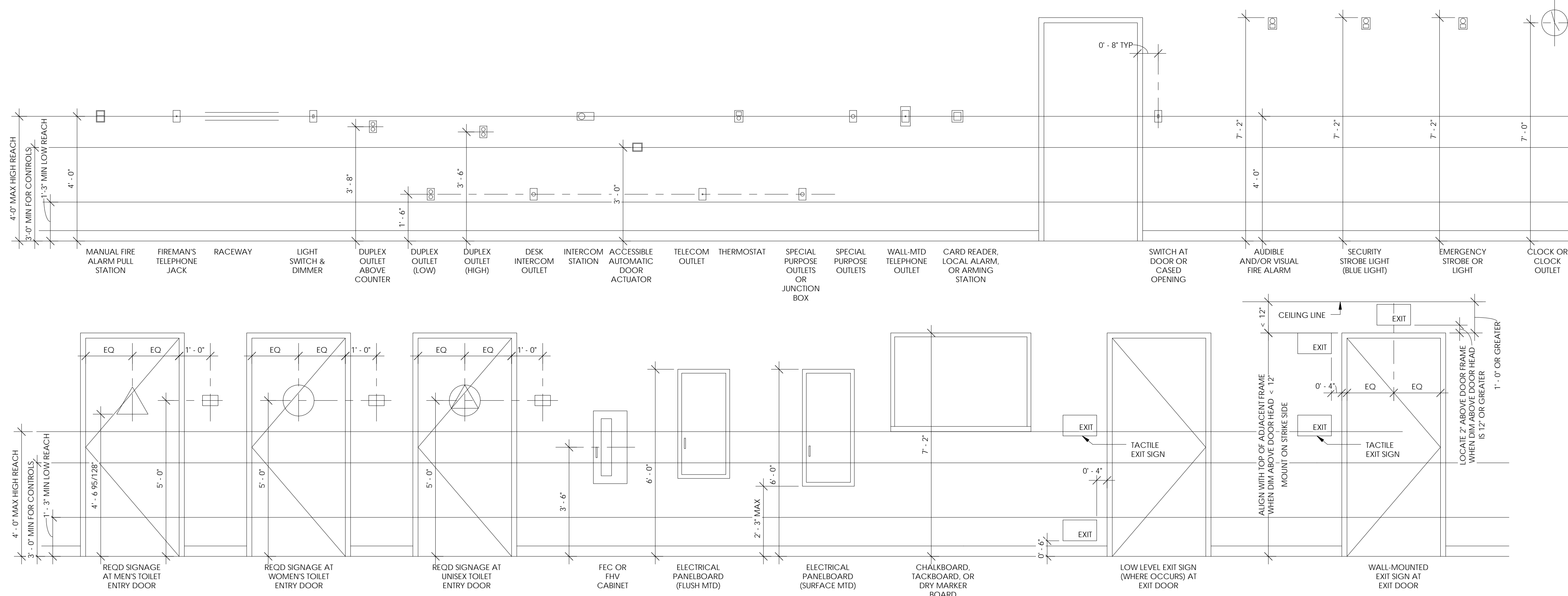
NO.	REVISION	DATE

PROJECT NUMBER:  
1408-018  
ISSUE:  
BID SET  
DATE:  
02.23.18  
DRAWN BY:  
GS/MV  
CHECKED BY:  
ML  
SHEET TITLE:

TYPICAL MOUNTING  
HEIGHTS & PARTITION  
TYPES

**A003**

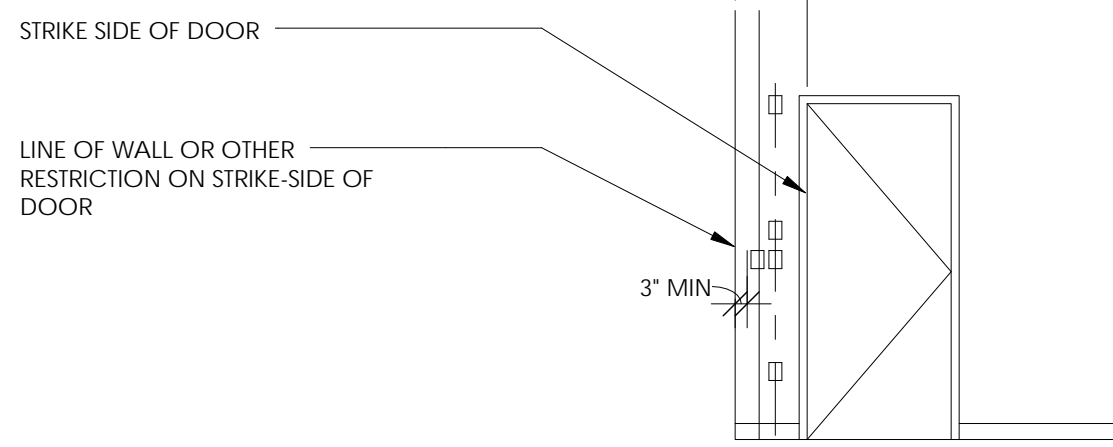
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### 3 TYPICAL MOUNTING HEIGHTS

1/2" = 1'-0"

WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO STRIKE SIDE OF DOOR, AND WHEN STRIKE-SIDE CLEARANCE IS BETWEEN 12 INCHES AND 18 INCHES, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

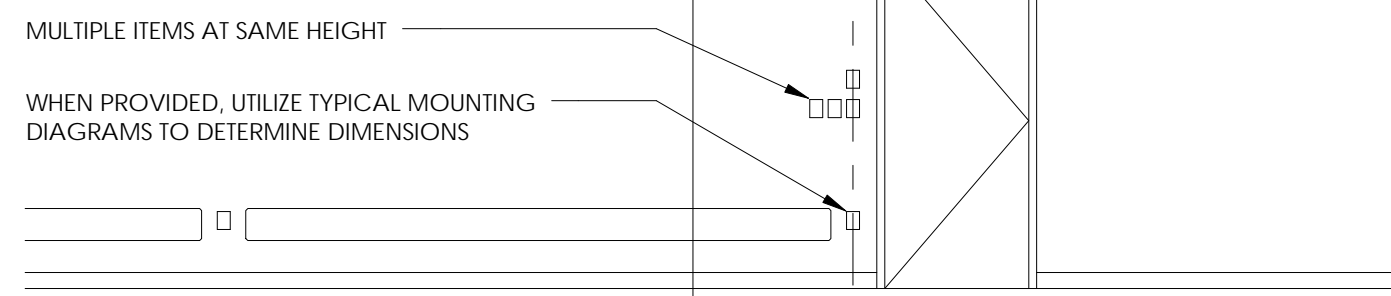


WHEN MULTIPLE ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION AND PLACE REMAINING ADJACENT TO FIRST ON SIDE OPPOSITE FRAME AS ILLUSTRATED BY THIS DIAGRAM. DO NOT CROWD MULTIPLE ITEMS AGAINST WALL OR RESTRICTION.

1 NOT DIMENSIONED AND LOCATED ADJACENT TO MINIMUM STRIKE-SIDE OF DOOR

WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO DOOR, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION AND PLACE REMAINING ITEMS ADJACENT TO FIRST ON SIDE OPPOSITE FRAME AS ILLUSTRATED BY THIS DIAGRAM.

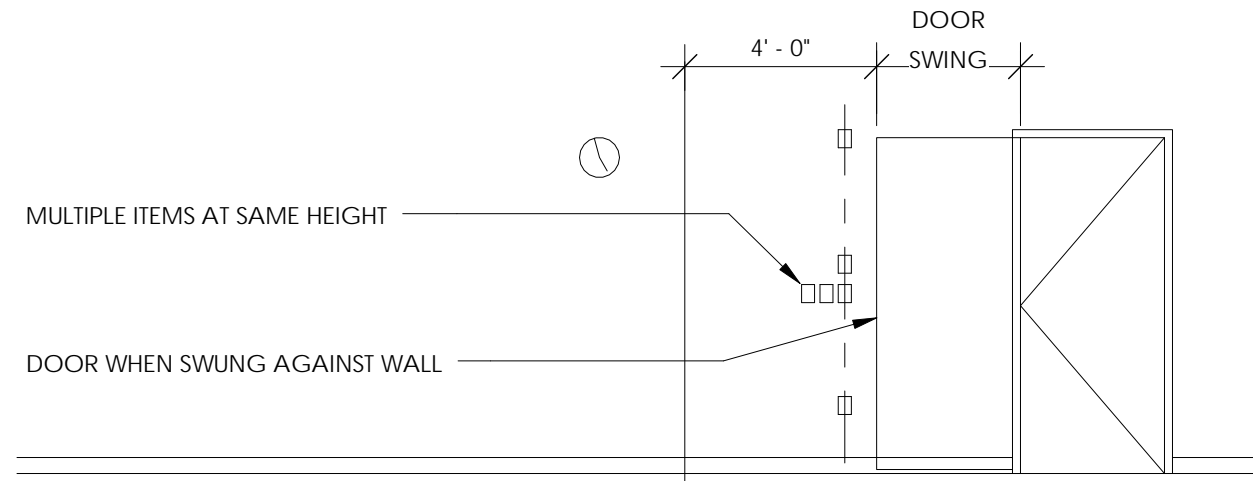


SIMILAR RULE APPLIES WHEN ADJACENT TO WINDOW. FOR PURPOSES OF THESE RULES, ITEMS SHOWN LOCATED APPROXIMATELY WITHIN 4 FEET OF DOOR ARE CONSIDERED TO BE ADJACENT TO DOOR (OR WINDOW). WHERE MULTIPLE DISSIMILAR ITEMS HAVING CONFLICTING MOUNTING HEIGHTS OCCUR, RULE 4 ALSO APPLIES.

2 NOT DIMENSIONED AND LOCATED ADJACENT TO DOOR OR WINDOW

WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO DOOR, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO SWING USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO SWING USING TYPICAL OFFSET DIMENSION AND PLACE REMAINING ITEMS ADJACENT TO FIRST ON SIDE OPPOSITE FRAME AS ILLUSTRATED BY THIS DIAGRAM.

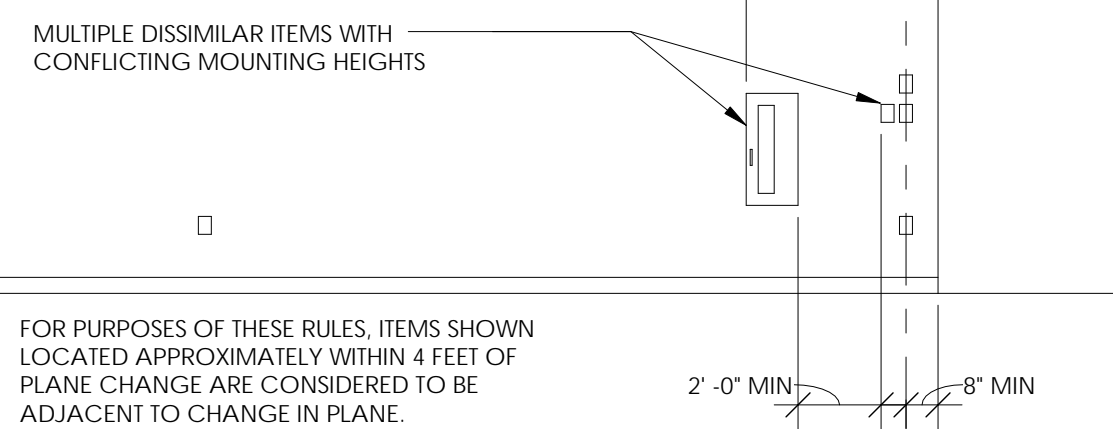


FOR PURPOSES OF THESE RULES, ITEMS SHOWN LOCATED APPROXIMATELY WITHIN 4 FEET OF OPEN DOOR ARE CONSIDERED TO BE ADJACENT TO DOOR. WHERE MULTIPLE DISSIMILAR ITEMS HAVING CONFLICTING MOUNTING HEIGHTS OCCUR, RULE 4 ALSO APPLIES.

3 NOT DIMENSIONED AND LOCATED ADJACENT TO DOOR AND ON WALL AGAINST WHICH DOOR SWINGS

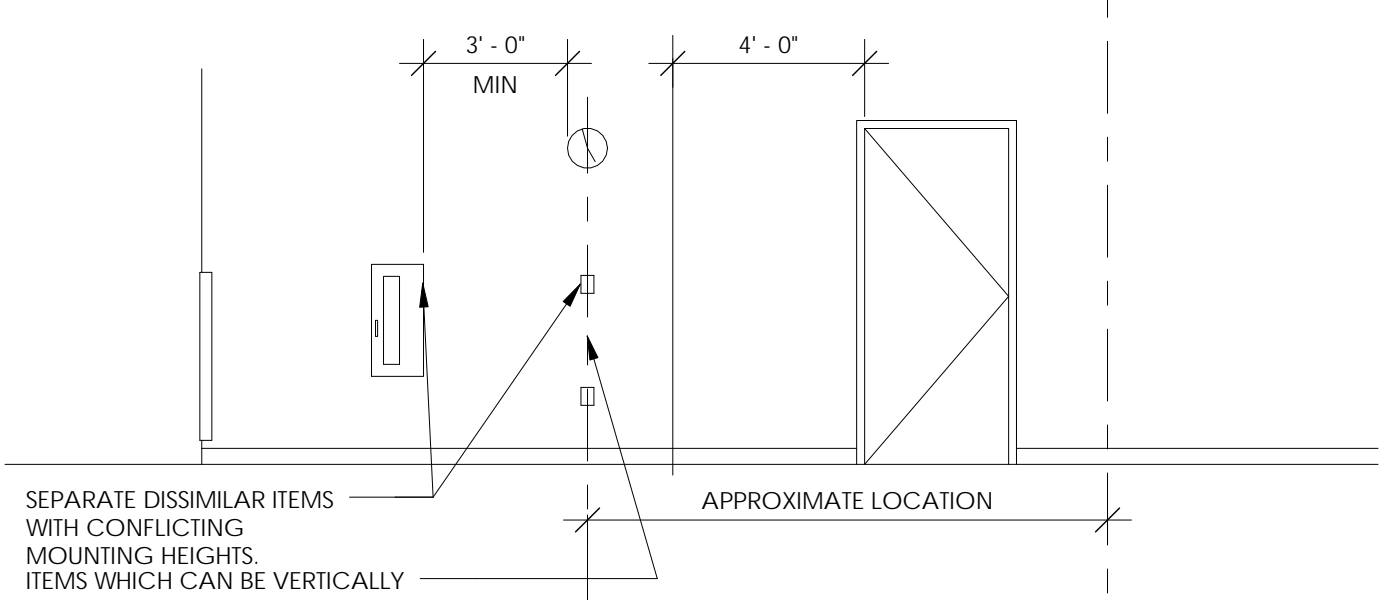
WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO CHANGE IN PLANE OF WALL, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO PLANE CHANGE USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE DISSIMILAR ITEMS HAVING CONFLICTING MOUNTING HEIGHTS ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO PLANE CHANGE USING TYPICAL OFFSET DIMENSION. SEPARATE DISSIMILAR ITEM FROM GROUP OF SIMILAR ITEMS BY 24" MINIMUM AS ILLUSTRATED BY THIS DIAGRAM.



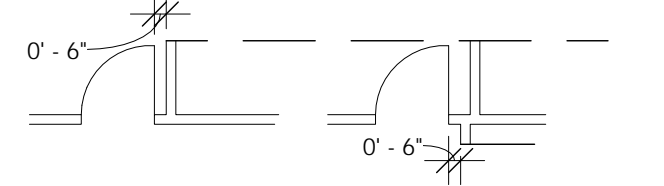
4 WHEN NOT DIMENSIONED AND LOCATED ADJACENT TO CHANGE IN WALL DIRECTION

WHEN NOT DIMENSIONED AND SHOWN ON A WALL NOT ADJACENT TO DOORS, WINDOWS, OR CHANGES IN WALL PLANE, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MAINTAIN MINIMUM 36 INCH HORIZONTAL SEPARATION BETWEEN DISSIMILAR ITEMS OR GROUPS OF ITEMS WITH CONFLICTING MOUNTING HEIGHTS WHICH CANNOT BE VERTICALLY ALIGNED.



5 NOT DIMENSIONED AND LOCATED ON OPEN WALL

AT DOORS OCCURRING IN WOOD FRAMED GYPSUM BOARD PARTITIONS, LOCATE THE HINGE-SIDE OF THE DOOR FINISHED OPENING 4 INCHES FROM THE FACE (EXCLUSIVE OF APPLIED FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY. WHEN PULL OR PUSH SIDE OF DOOR IS ADJACENT TO MILLWORK OR A FIXED OBJECT, CONFIRM ADA CLEARANCES ARE MET PRIOR. ADJUST DOOR PLACEMENT IF NEEDED.

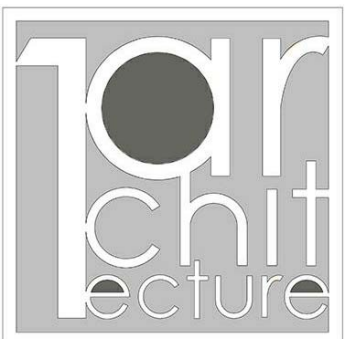


WHERE DOOR OCCURS NOT ADJACENT TO A PERPENDICULAR WALL, AND EITHER 'DIM E' OR 'DIM F' IS 16" OR LESS, LOCATE DOOR UTILIZING THE FOLLOWING MINIMUM DIMENSIONS:

- DIMENSION A = 18 INCHES MIN
- DIMENSION B = 12 INCHES MIN
- DIMENSION C = DOOR WIDTH + 2 INCHES MINIMUM
- DIMENSION D = 6 INCHES MIN AT METAL FRAMED GYP BD PARTITIONS OR - EVEN MULTIPLE OF 1/2 CMU MODULE PLUS 2 INCHES AT CONC MASONRY UNIT WALLS
- DIMENSIONS E AND F = AS SHOWN ON PLANS
- DIMENSION G = 36 INCHES MIN
- DIMENSION H = 60 INCHES MIN

### SHEET NOTES:

- IT IS THE INTENT OF THE DESIGN THAT ALL ITEMS SHOWN MOUNTED AT TYPICAL HEIGHTS BE ACCESSIBLE TO PERSONS WITH DISABILITIES.
- THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE TYPICAL MOUNTING HEIGHTS AND - WHERE APPLICABLE - TYPICAL MINIMUM OR MAXIMUM CLEARANCES AND/OR TYPICAL MOUNTING CONFIGURATIONS FOR A VARIETY OF ITEMS. CAUTION: THIS SHEET MAY ILLUSTRATE ITEMS OR CONFIGURATIONS WHICH DO NOT OCCUR AS PART OF THE WORK OF THIS PROJECT. REFER TO THE PLANS, ELEVATIONS, SECTIONS, DETAILS, AND SCHEDULES TO DETERMINE WHICH ITEMS AND CONFIGURATIONS APPLY TO THE WORK OF THIS PROJECT.
- THE MOUNTING HEIGHTS, CLEARANCES, AND CONFIGURATIONS SHOWN ON THIS SHEET ARE TYPICAL AND SHALL APPLY TO ALL INSTANCES OF THE ITEM (OR GROUP OF ITEMS) SHOWN UNLESS SPECIFICALLY NOTED OR DIMENSIONED OTHERWISE.
- SPECIAL OR NON-TYPICAL MOUNTING HEIGHTS OCCUR ONLY WHERE INDICATED BY ANNOTATED SYMBOLS. BY KEY NOTES, BY NOTES ON PLANS, ELEVATIONS, OR DETAILS; OR BY UNIQUE DIMENSIONS ON ELEVATIONS OR DETAILS.
- TYPICAL MOUNTING HEIGHTS FOR ADDITIONAL ITEMS NOT SHOWN ON THIS SHEET MAY BE ILLUSTRATED BY OTHER SHEETS.
- MOUNTING CONFIGURATION DIAGRAMS ARE ELEVATIONS WHICH ILLUSTRATE TYPICAL RULES GOVERNING THE RELATIONSHIPS BETWEEN, AND PLACEMENT OF, ITEMS WHICH OCCUR IN GROUPS OF RELATED ITEMS OR IN CLOSE PROXIMITY TO OTHER PARTS OF THE WORK (SUCH AS SWITCHES AND DOOR FRAMES). UNLESS OTHER MOUNTING CONFIGURATIONS ARE SPECIFICALLY NOTED, DIMENSIONED, OR ELEVATED, THE TYPICAL RELATIONSHIPS, ARRANGEMENTS, AND THE TYPICAL CONFIGURATION DIAGRAMS APPLY THROUGHOUT THE WORK OF THIS PROJECT.
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DRAWN FOR:

**CHEROKEE NATION  
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RESTORATION**  
ROSE, OK

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ML  
SHEET TITLE:

**TYPICAL MOUNTING  
HEIGHTS AND  
DIMENSION  
CONVENTIONS**

**A004**

### 2 TYPICAL RULES FOR MOUNTING HEIGHTS AND LOCATIONS

1/4" = 1'-0"

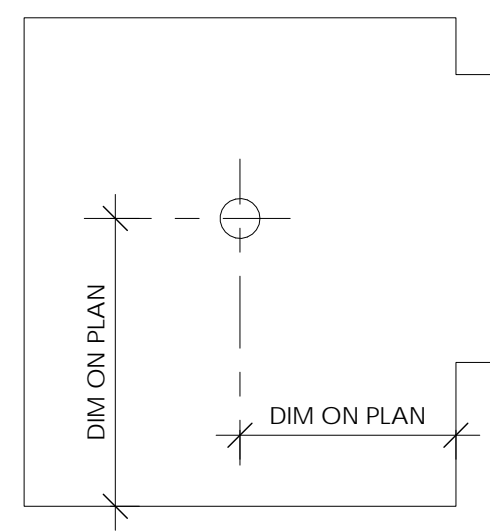
### 1 ARCHITECTURAL DIMENSIONING CONVENTIONS

1/8" = 1'-0"

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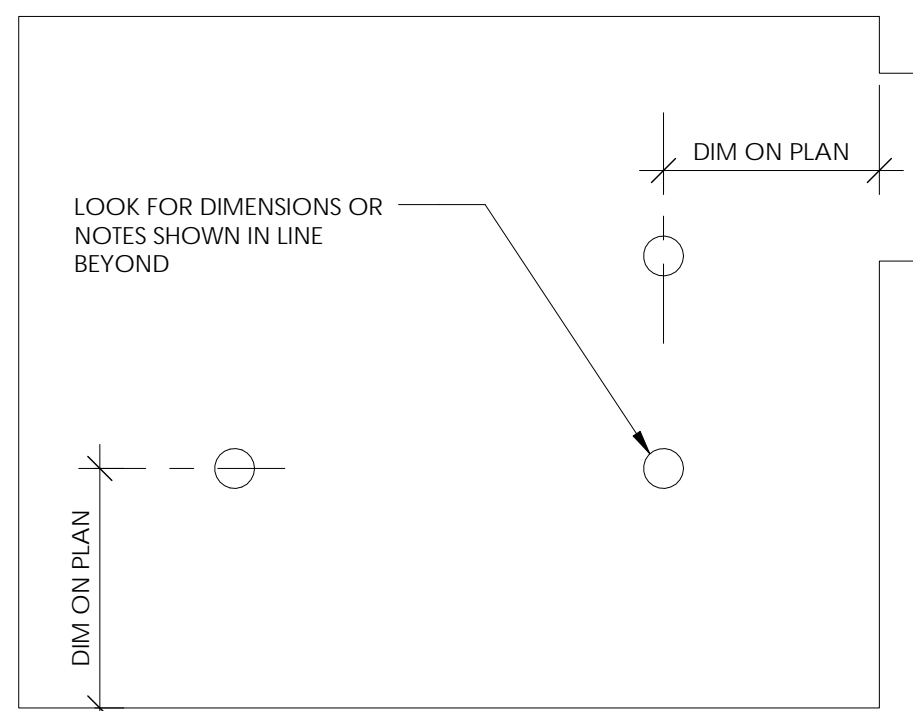
LOCATE ITEMS AS INDICATED WHEN SHOWN DIMENSIONED BY A REFLECTED CEILING PLAN, ENLARGED REFLECTED CEILING PLAN, OR DETAIL.

SPECIFIC DIMENSIONS SHOWN BY REFLECTED CEILING PLANS, ELEVATIONS, OR DETAILS TAKE PRECEDENCE OVER TYPICAL LOCATION RULES.



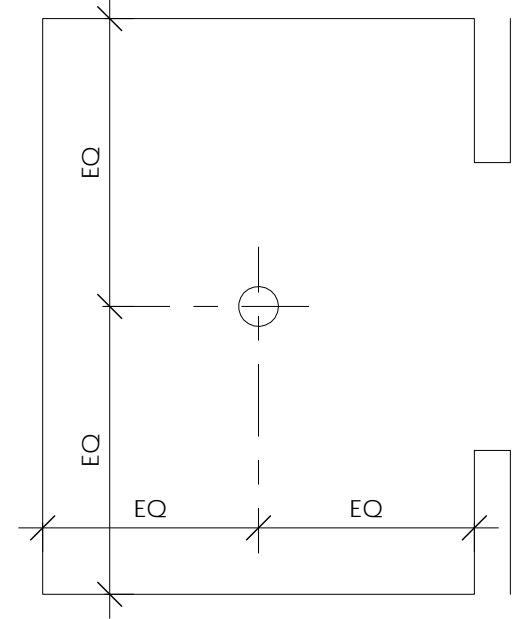
**1** WHEN COMPLETELY DIMENSIONED ON REFLECTED CEILING PLAN

LOCATE ITEMS ALIGNED WITH OTHER ITEMS SHOWN DIMENSIONED ELSEWHERE IN SPACE (OR CEILING PLANE).



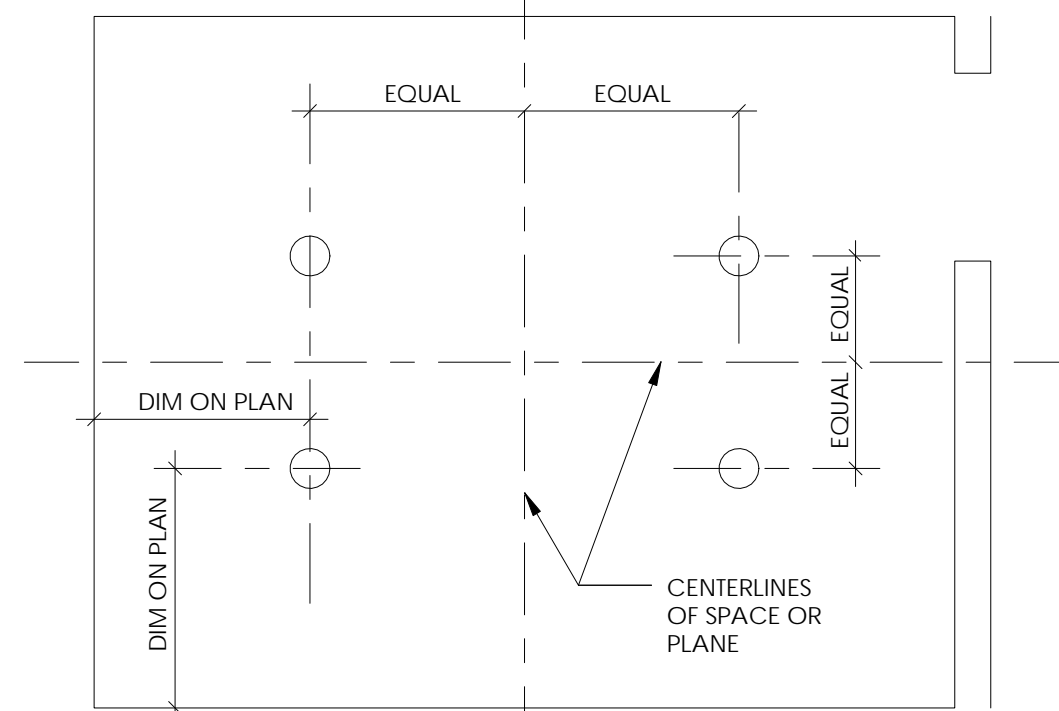
**5** ALIGN WITH FEATURES SHOWN DIMENSIONED ELSEWHERE IN SPACE

LOCATE ITEMS CENTERED IN SPACE (OR CEILING PLANE) WHEN SHOWN (BUT NOT DIMENSIONED) VISUALLY AT APPROXIMATE CENTER OF SPACE.



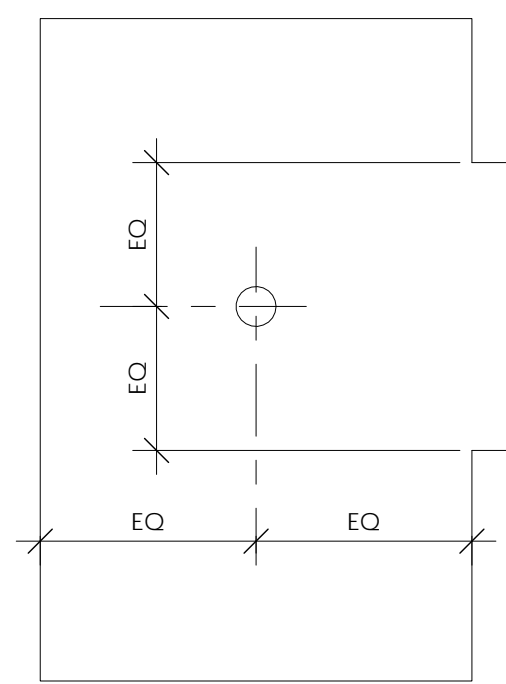
**2** WHEN NOT DIMENSIONED BUT SHOWN CENTERED

LOCATE ITEMS ALIGNED WITH OTHER ITEMS SHOWN DIMENSIONED ELSEWHERE IN SPACE (OR CEILING PLANE).



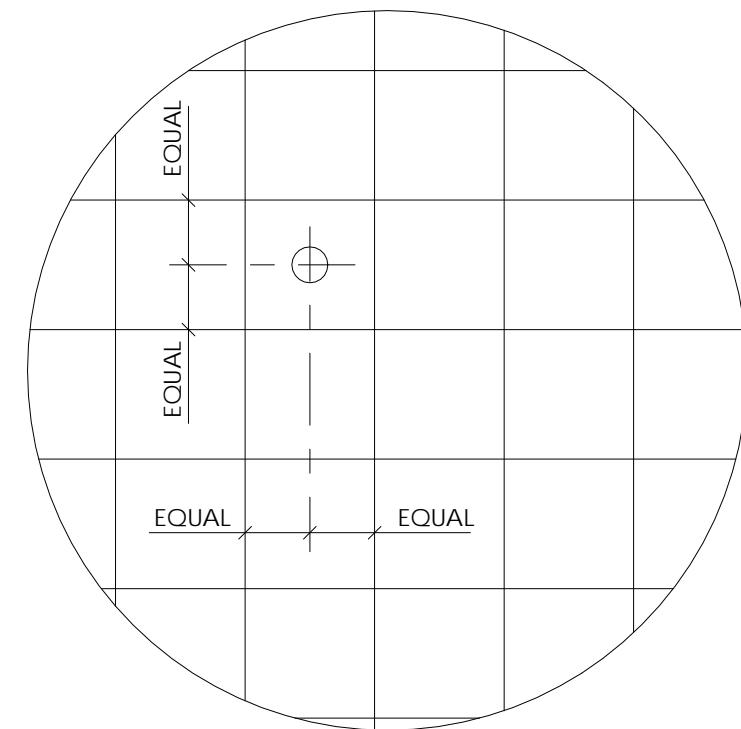
**6** LOCATE FEATURES SYMMETRICALLY

LOCATE ITEMS CENTERED ON ADJACENT OPENING OR FEATURE WHEN SHOWN (BUT NOT DIMENSIONED) OFF-CENTER IN OVERALL SPACE BUT CENTERED AGAINST ADJACENT FEATURE.



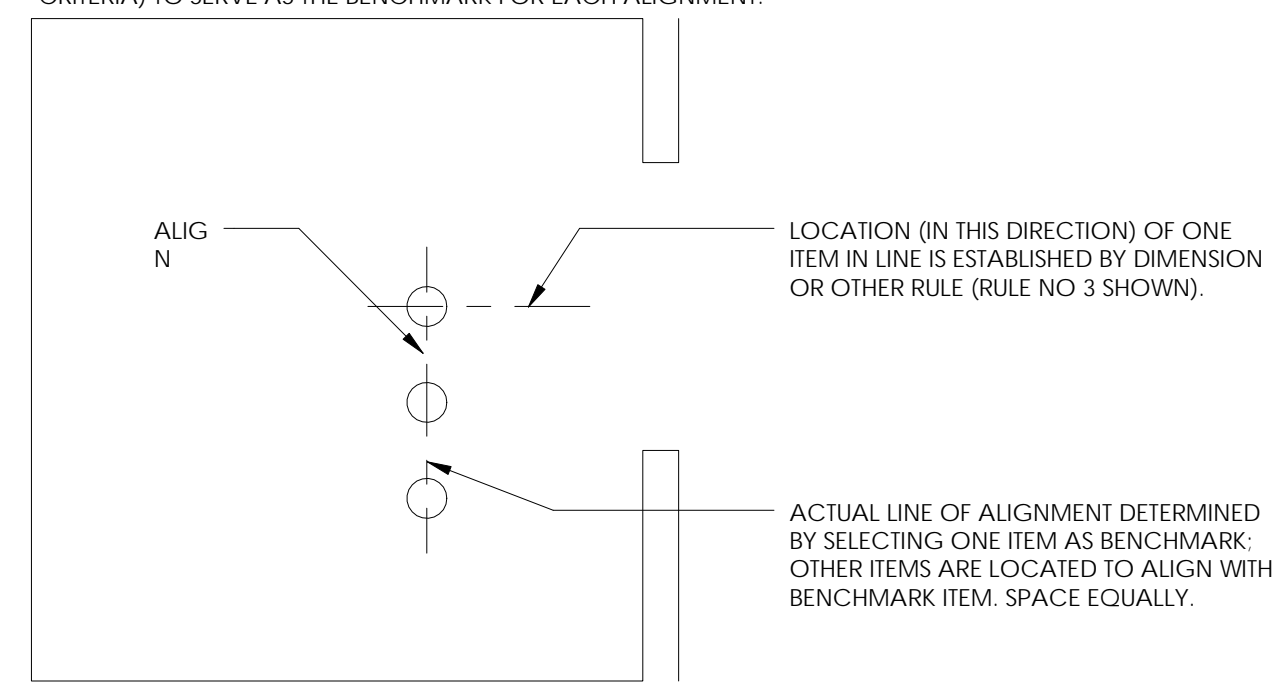
**3** WHEN OFF-CENTER IN SPACE BUT CENTERED ON ADJACENT FEATURE

LOCATE ITEMS (LIGHT FIXTURES, SPRINKLER HEADS, DEVICES, ETC) AT CENTER OF PANEL ON SQUARE GRID-TYPE CEILINGS



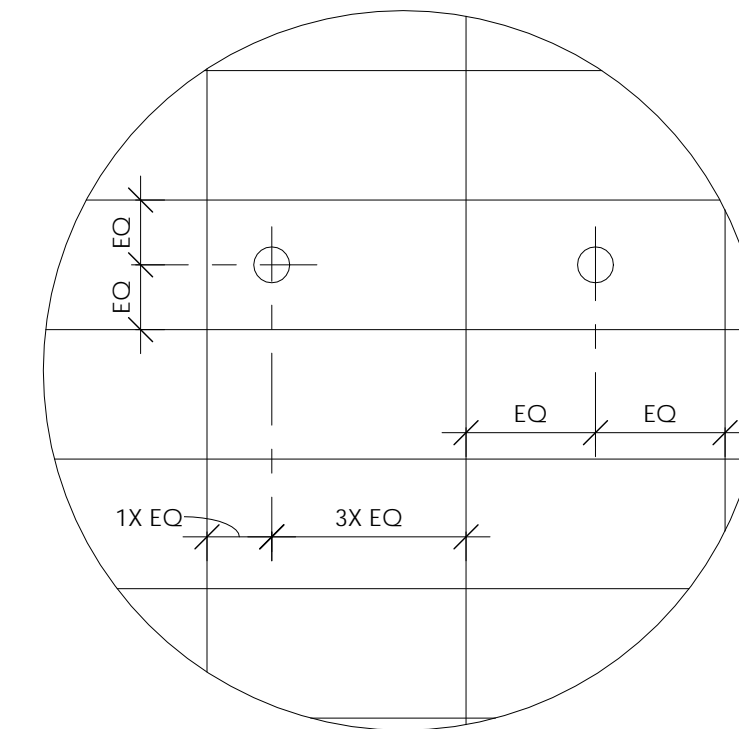
**7** WHEN NOT DIMENSIONED BUT OCCURS ON A SQUARE GRID-TYPE CEILING

LOCATE ITEMS (LIGHT FIXTURES, SPRINKLER HEADS, DEVICES, ETC) ALIGNED WITH ADJACENT ITEMS FOR WHICH DIMENSIONS OR RULES ARE PROVIDED. VISUAL ALIGNMENT IS CRITICAL. THE CONTRACTOR SHALL SELECT ONE ITEM IN EACH LINE (ON BASIS OF TOLERANCES, SEQUENCE OF CONSTRUCTION, TRADE, OR OTHER CRITERIA) TO SERVE AS THE BENCHMARK FOR EACH ALIGNMENT.



**4** WHEN ALIGNED WITH OTHER FEATURES

LOCATE ITEMS (LIGHT FIXTURES, SPRINKLER HEADS, DEVICES, ETC) AT CENTER OF SHORT DIRECTION OF RECTANGULAR PANEL. LOCATE AT 1/4, 1/2, OR 3/4 POINT OF LONG DIRECTION OF RECTANGULAR PANEL.



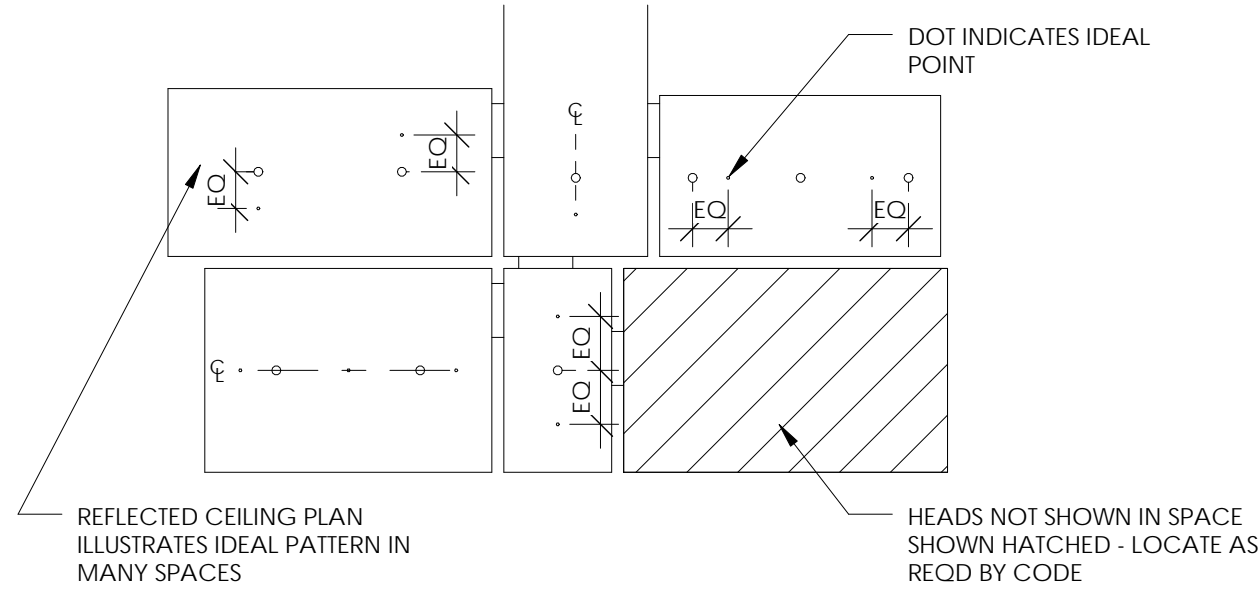
**8** WHEN NOT DIMENSIONED BUT OCCURS ON A RECTANGULAR GRID-TYPE CEILING

## 2 TYPICAL RULES FOR RCPS

3/8" = 1'-0"

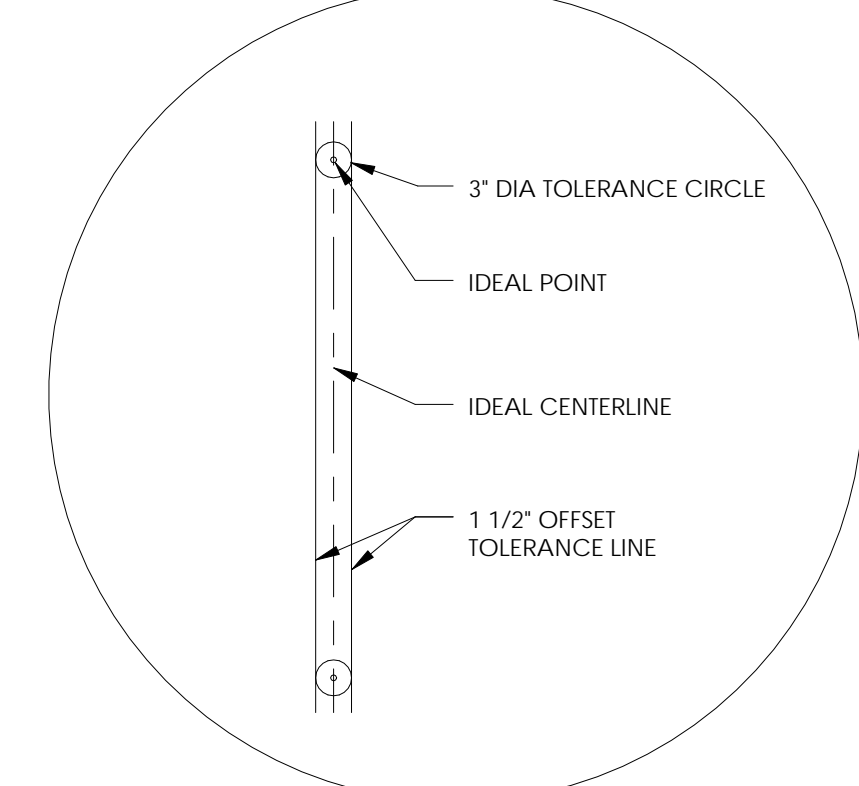
FOR MANY SPACES, THE ARCHITECTURAL REFLECTED CEILING PLANS ESTABLISH AN IDEAL PATTERN FOR LOCATING SPRINKLER HEADS. IN SPACES WHERE HEADS ARE SHOWN, FOLLOW PATTERN ESTABLISHED BY THE DRAWINGS. WHERE ADDL. HEADS ARE REQUIRED TO CONFORM WITH CODE, PROVIDE HEADS IN GENERAL CONFORMITY WITH PATTERN ESTABLISHED BY THE DRAWINGS.

IN SPACES WHERE SPRINKLER HEADS ARE NOT SHOWN BY THE ARCHITECTURAL REFLECTED CEILING PLANS, PROVIDE HEADS AS REQUIRED BY CODE.



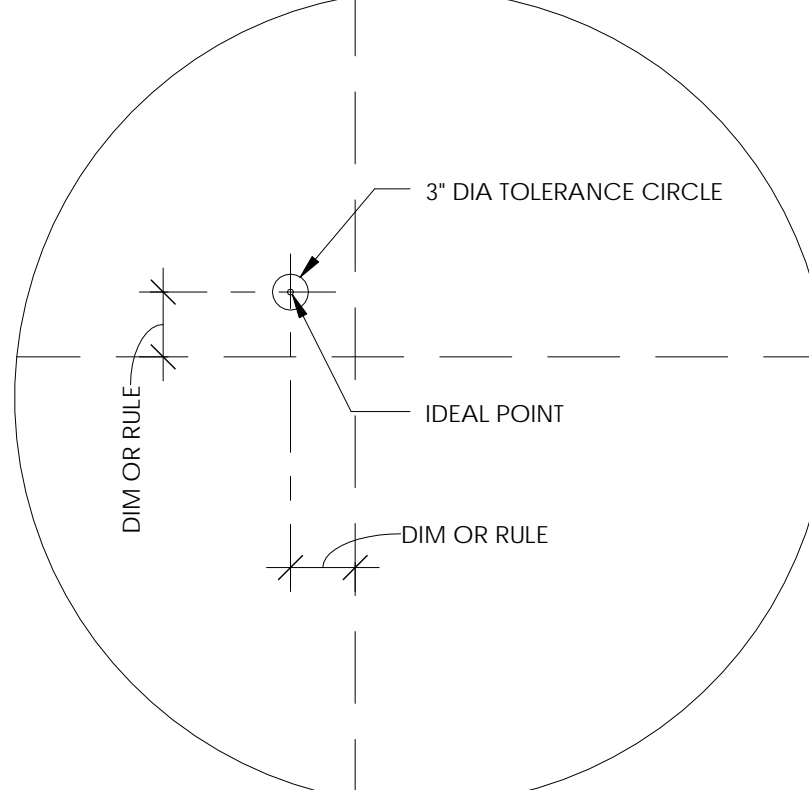
**1** LOCATE HEADS AS SHOWN ON A-SERIES DRAWINGS

LOCATE SPRINKLER HEADS WITHIN 3" DIAMETER OF IDEAL POINT DIMENSIONED (OR SHOWN BY RULE) ON REFLECTED CEILING PLAN.



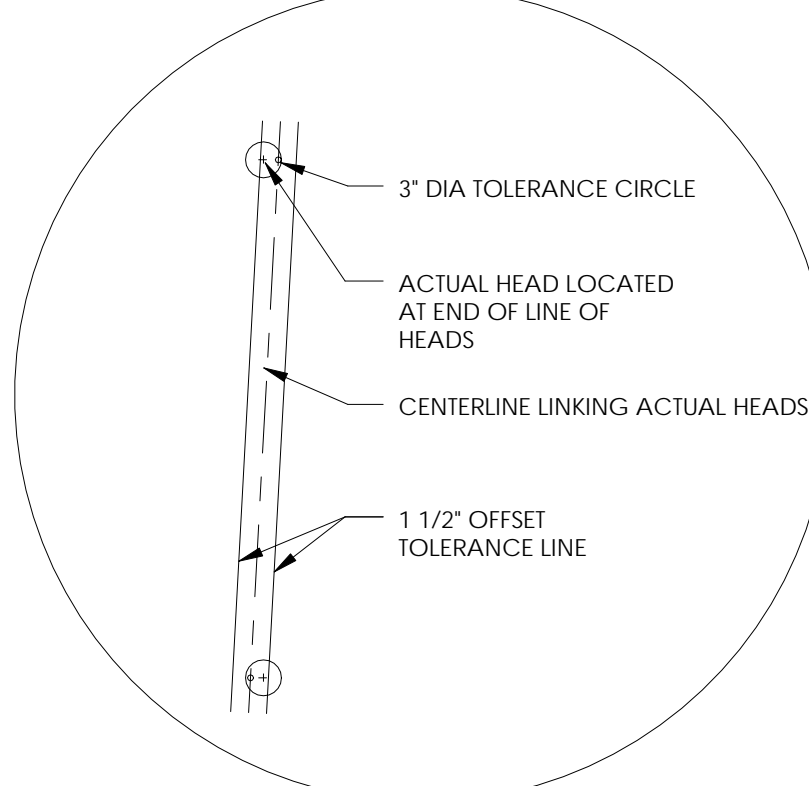
**3** LOCATE LINES OF HEADS WITHIN 1 1/2" OF IDEAL CENTERLINE

LOCATE SPRINKLER HEADS WITHIN 3" DIAMETER OF IDEAL POINT DIMENSIONED (OR SHOWN BY RULE) ON REFLECTED CEILING PLAN.



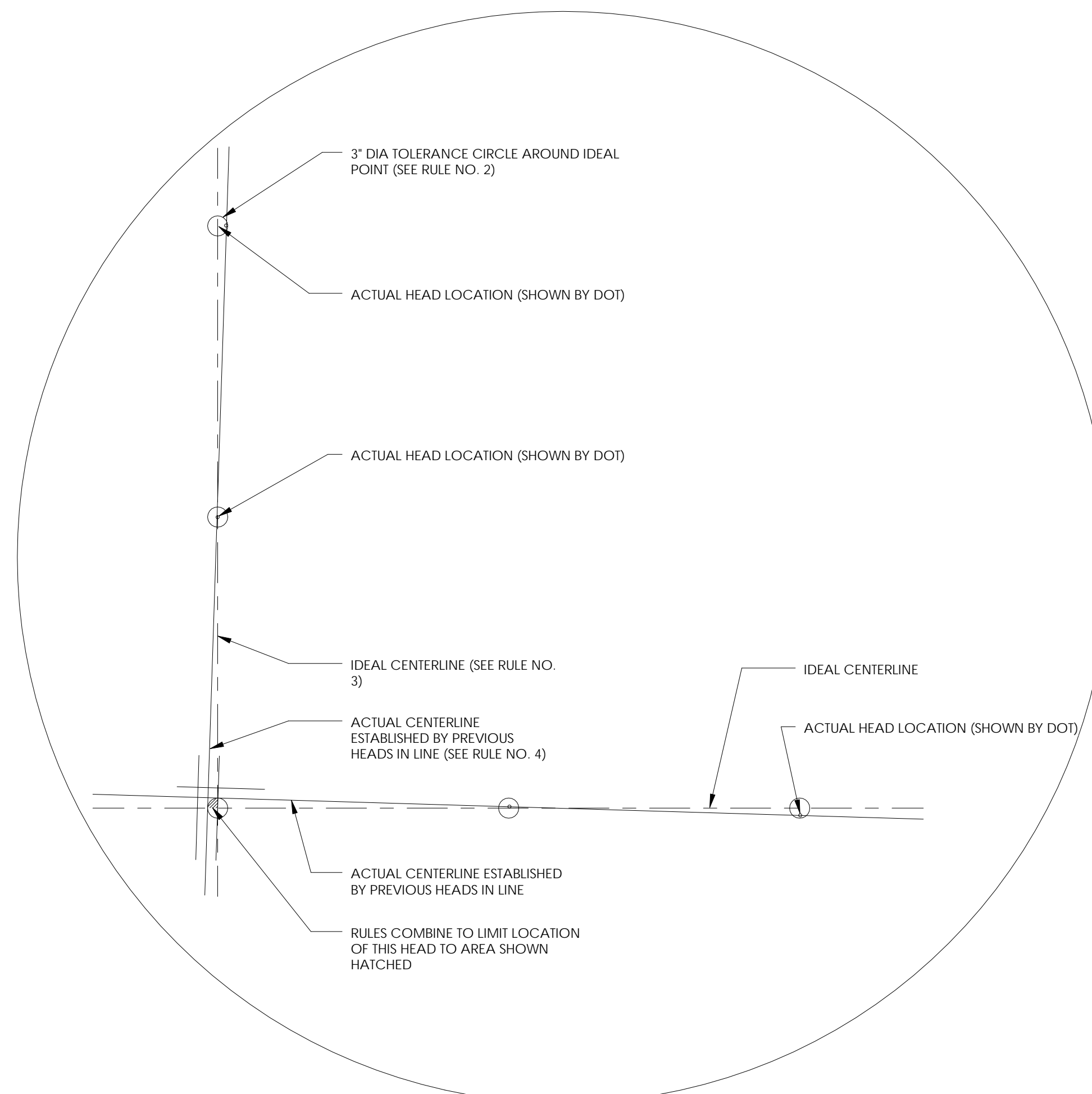
**2** LOCATE HEADS WITHIN 3" DIAMETER OF IDEAL LOCATION POINT

LOCATE SPRINKLER HEADS WITHIN 3" DIAMETER OF IDEAL POINT DIMENSIONED (OR SHOWN BY RULE) ON REFLECTED CEILING PLAN.



**4** LOCATE LINES OF HEADS WITHIN 1 1/2" OF LINE LINKING ACTUAL END HEADS

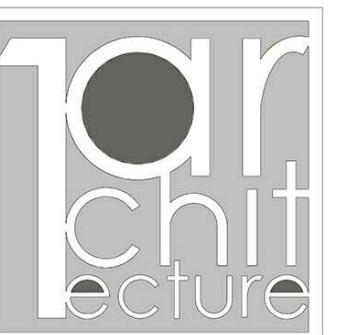
RULES NO. 2, NO. 3, AND 4 WHEN COMBINED MAY RESULT IN MORE RESTRICTIVE TOLERANCES



**5** RULES COMBINED

## 1 TYPICAL RULES FOR SPRINKLERS

3/8" = 1'-0"



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**CHEROKEE NATION  
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RESTORATION**

ROSE, OK

NO.	REVISION	DATE

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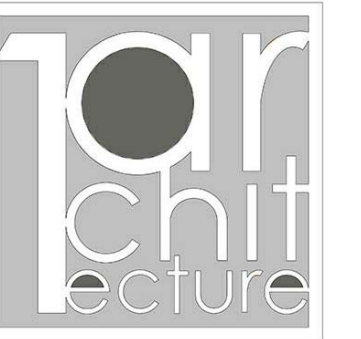
SHEET TITLE:

**TYPICAL RULES FOR RCPS  
& SPRINKLERS**

**A005**







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**GENERAL DEMOLITION NOTES:**

- A THESE DOCUMENTS INDICATE THE INTENT OF THE IMPROVEMENTS/REPAIRS AND MAY REQUIRE ADDITIONAL INTERPRETATION OR DETAIL AS CONSTRUCTION CONDITIONS OCCUR. DIRECT ALL QUESTIONS TO THE ARCHITECT PRIOR TO INSTALLATION. ALL BIDDERS ARE TO VISIT THE SITE PRIOR TO BID.
- B CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO START OF WORK. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR POSSIBLE DEFICIENCIES.
- C ALL DAMAGE FROM DEMOLITION TO BE PATCHED AND REPAIRED.
- D CONTRACTOR TO COMPLY WITH APPLICABLE CODES AND REGULATIONS FOR DEMOLITION OPERATIONS AND SAFETY OF ADJACENT STRUCTURES AND PUBLIC.
- E PROTECT EXISTING STRUCTURE & OTHER EXISTING ELEMENTS THAT ARE NOT TO BE REMOVED, PROVIDE BRACING AND SHORING AS NEEDED.
- F COORDINATE WITH OWNER FOR ANY ITEMS TO BE SALVAGED AND STORED.
- G THE CONTRACTOR SHALL PROTECT AND BE RESPONSIBLE FOR THE EXISTING STRUCTURE, FACILITIES, AND IMPROVEMENTS ADJOINING THE AREA UNDER THIS CONTRACT. ANY DISTURBANCE OR DAMAGE TO ADJOINING PROPERTY RESULTING DIRECTLY OR INDIRECTLY FROM THE CONTRACTOR'S OPERATIONS SHALL BE PROMPTLY RESTORED, REPAIRED, OR REPLACED TO THE SATISFACTION OF OWNER AT THE CONTRACTOR'S EXPENSE.
- H CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF OLD AND NEW WORK DURING THE CONSTRUCTION PERIOD. SHOULD DAMAGE OCCUR, THE CONTRACTOR SHALL REPAIR AT THE CONTRACTOR'S OWN EXPENSE.
- I COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR THE EXTENT OF DEMOLITION TO THESE EXISTING SYSTEMS.
- J FOR ALL EXTERIOR AND INTERIOR RESTORATION AND NEW CONSTRUCTION IN HISTORICALLY SIGNIFICANT AREAS, REFERENCE THE SECRETARY OF INTERIORS STANDARDS FOR REHABILITATION, AS PUBLISHED BY THE US DEPARTMENT OF INTERIOR, NATIONAL PARK SERVICE.
- K THIS PROJECT IS GOVERNED BY THE REQUIREMENTS ESTABLISHED BY THE OFFICE OF CHEROKEE NATION RISK MANAGEMENT. ALL PROPOSED MODIFICATIONS TO THESE DOCUMENTS SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT AND BY THE OFFICE OF CHEROKEE NATION RISK MANAGEMENT PRIOR TO COMMENCEMENT OF THE WORK.

**GENERAL PLAN NOTES:**

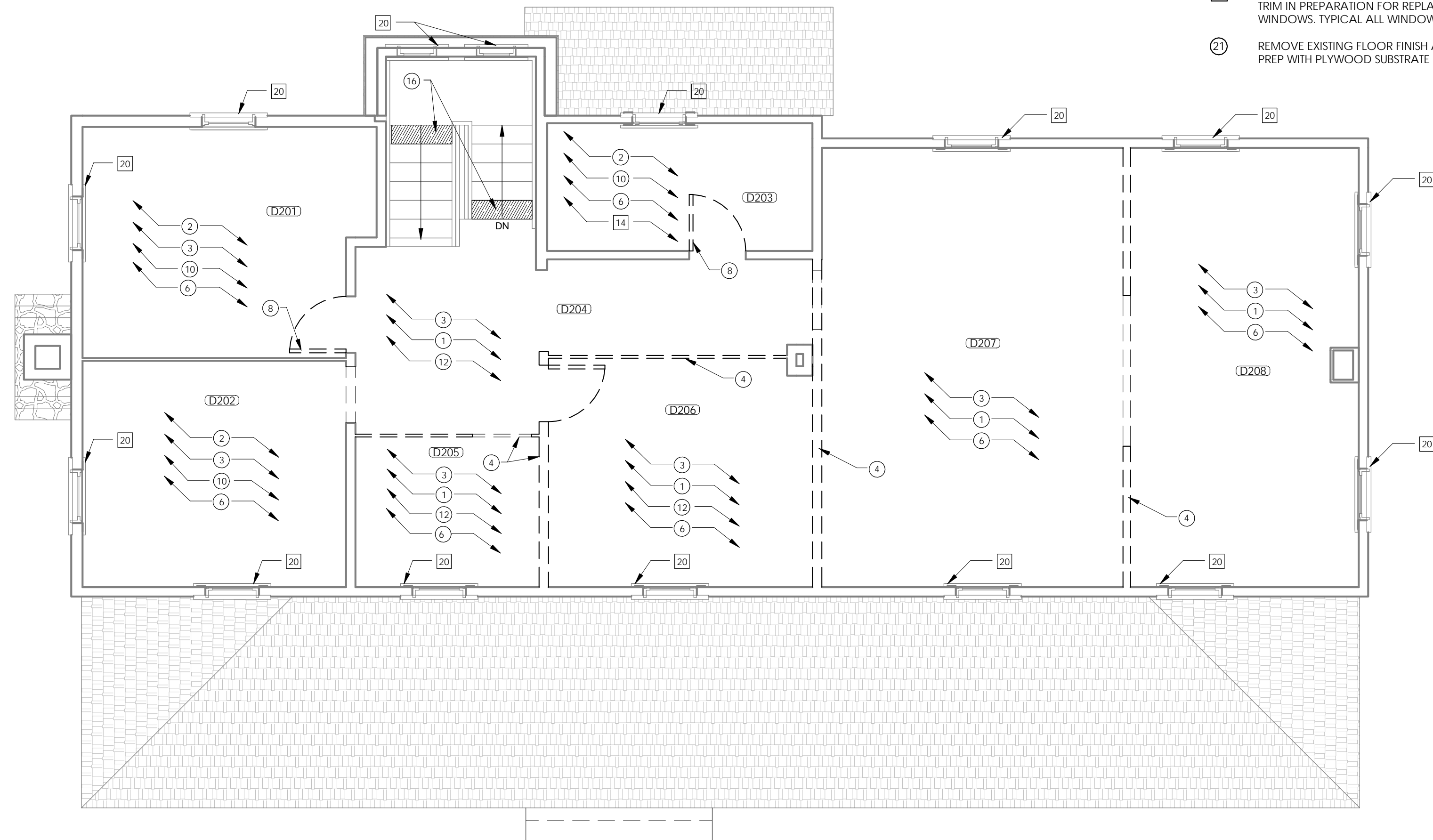
- A PATCH AND REPAIR EXISTING HOLES IN WALLS AND CEILINGS.
- B REMOVE PANELING AT INTERIOR WALLS AS REQUIRED FOR INSTALLATION OF MEP ITEMS.
- C REMOVE ALL EXISTING QUARTER ROUND IN PREPARATION FOR NEW FLOOR FINISH AND STORE FOR RE-USE.
- D REMOVE DAMAGED WOOD TRIM IF REQUIRED FOR REPAIR OR REFINISH.

**KEY NOTES:**

- ① REMOVE ALL WOOD WALL AND CEILING SLATS IN PREPARATION FOR DRYWALL.
- ② REMOVE DAMAGED WOOD WALL SLATS. REFURBISH OR REPLACE WITH NEW WOOD TO MATCH EXISTING.
- ③ REMOVE DAMAGED WOOD FLOOR BOARDS. REFURBISH OR REPLACE WITH NEW WOOD TO MATCH EXISTING.
- ④ REMOVE WALL AS INDICATED. SALVAGE EXISTING MATERIALS FOR REUSE AS REQUIRED.
- ⑤ REMOVE DOOR AND FRAME AND INFILL WITH LIKE MATERIALS. REMOVE ADJACENT FINISH MATERIALS AS REQUIRED FOR A SEAMLESS PATCH.
- ⑥ REMOVE EXISTING WINDOW TRIM AS REQUIRED TO MATCH 1ST FLOOR TRIM DETAILS, RE: A500
- ⑦ REMOVE TOP LAYER OF WOOD FLOOR AND SALVAGE FOR REUSE. PATCH AND REPAIR ORIGINAL WOOD FLOOR UNDERNEATH AS REQUIRED FOR NEW FINISH.
- ⑧ REMOVE DOOR IN PREPARATION FOR NEW DOOR. FIELD VERIFY DOOR SIZE TO FIT EXISTING FRAME.
- ⑨ REFERENCE STRUCTURAL FOR REMOVAL AND REPAIR
- ⑩ REMOVE DAMAGED WOOD CEILING. REFURBISH OR REPLACE WITH NEW WOOD TO MATCH EXISTING.
- ⑪ REMOVE DAMAGED WOOD DECK AND REPLACE WITH NEW WOOD TO MATCH EXISTING.
- ⑫ REMOVE WOOD BASE AND SALVAGE FOR RE-USE.
- ⑬ REMOVE ALL WOOD WALL SLATS IN PREPARATION FOR DRYWALL FINISH OR CHASE WALL INSTALLATION. SALVAGE WOOD FOR REUSE AS REQUIRED.
- ⑭ REMOVE EXISTING FLOOR FINISH AND BASE AND PREP WITH PLYWOOD SUBSTRATE FOR NEW FINISH.
- ⑮ REMOVE BUCKET AND INFILL. REMOVE DISMILAR PATCH MATERIALS AT CEILING.
- ⑯ REMOVE DAMAGED STAIR TREADS OR RISERS AND REPLACE WITH NEW TO MATCH EXISTING.
- ⑰ REMOVE FIREPLACE TRIM RE: A500 FOR RESTORATION DETAIL.
- ⑱ REMOVE MILLWORK.
- ⑲ REMOVE DOOR AND FRAME IN PREPARATION FOR NEW CASED OPENING.
- ⑳ REMOVE WINDOW, INTERIOR TRIM, AND EXTERIOR TRIM IN PREPARATION FOR REPLACEMENT WINDOWS. TYPICAL ALL WINDOW LOCATIONS.
- ㉑ REMOVE EXISTING FLOOR FINISH AND BASE AND PREP WITH PLYWOOD SUBSTRATE FOR NEW FINISH.

**DEMO PLAN LEGEND**

- ① → KEY NOTE
- ① → KEY NOTE (ADD ALTERNATE)
- EXISTING TO REMAIN
- - - - - DEMOLITION



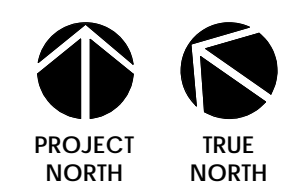
DRAWN FOR:

**CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION**  
ROSE, OK

NO.	REVISION	DATE

PROJECT NUMBER:  
1408-018  
ISSUE:  
BID SET  
DATE:  
02.23.18  
DRAWN BY:  
GS/MV  
CHECKED BY:  
ML  
SHEET TITLE:

**DEMO FLOOR PLAN -  
LEVEL 2**



**D102**

**1 DEMO FLOOR PLAN - LEVEL 2**  
1/4" = 1'-0"



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Tulsa, OK 74120  
PH. 918.764.9996



**SHEET NOTES:**

- ① INFILL FLOOR AT PREVIOUS CHASE LOCATION TO MATCH ADJACENT FLOOR ELEVATION AND FINISH
- ② INFILL FLOOR TO MATCH ADJACENT WOOD FLOOR ELEVATION AND FINISH
- ③ RESTORE MISSING HAND RAIL COMPONENTS TO MATCH EXISTING ADJACENT
- ④ ADD MISSING TRIM AS REQUIRED TO MATCH ADJACENT EXISTING, RE: SHEET A500
- ⑤ COVER PREVIOUS WALL LOCATION WITH 1 x TRIM, WIDTH AS REQUIRED, RE: REFLECTED CEILING PLAN
- ⑥ REVISE DOOR TRIM TO MATCH EXISTING 1ST FLOOR TRIM, RE: A500
- ⑦ REVISE WINDOW TRIM TO MATCH EXISTING 1ST FLOOR TRIM, RE: A500
- ⑧ NEW R1 WALL TO TERMINATE AT HORIZONTAL/FLAT PORTION OF STAIR LANDING ABOVE
- ⑨ REPLACE/ADD EXISTING 1X TRIM, WIDTH AS REQUIRED, TO COVER WALL JOINT, RE: REFLECTED CEILING PLAN
- ⑩ ADD WOOD REDUCER TRANSITION STRIP TO MATCH EXISTING OVER FULL LENGTH OF FLOOR ELEVATION CHANGE
- ⑪ REFINISH WOOD FLOORS RE: SPECIFICATIONS AND APPLIED FINISH LEGEND
- ⑫ PREP WALLS AND CEILING FOR PAINT, RE: SPECIFICATIONS AND APPLIED FINISH LEGEND
- ⑬ ADD BASE TRIM TO MATCH FIRST FLOOR, RE: A500
- ⑭ ADD PLUMBING FIXTURES AND ACCESSORIES FOR ADD ALTERNATE.
- ⑮ REPLACE WINDOW, INTERIOR WINDOW TRIM AND EXTERIOR WINDOW TRIM. TYPICAL ALL WINDOWS, RE: APPLIED FINISH LEGEND.

**FLOOR PLAN LEGEND**

- ① KEY NOTE
- 1 KEY NOTE (ADD ALTERNATE)
- - - DASHED INDICATES OWNER PROVIDED ITEM
- - - EXTENT OF NEW GYPSUM BOARD FINISH



DRAWN FOR:

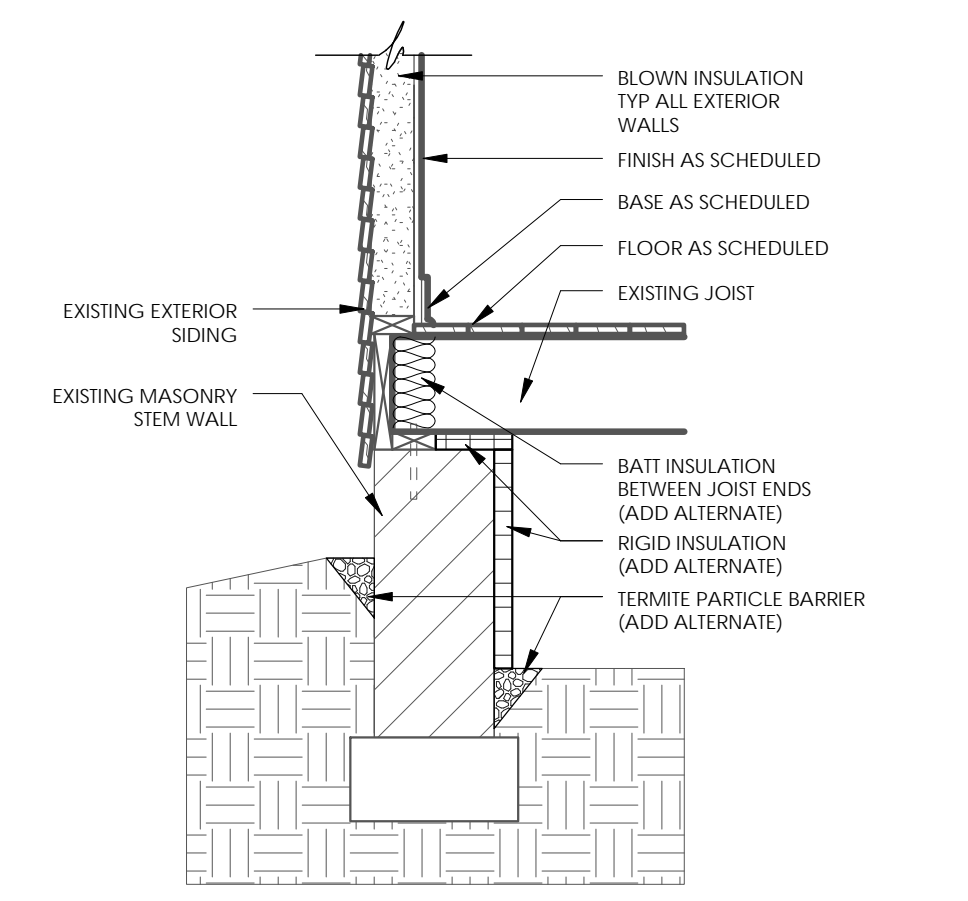
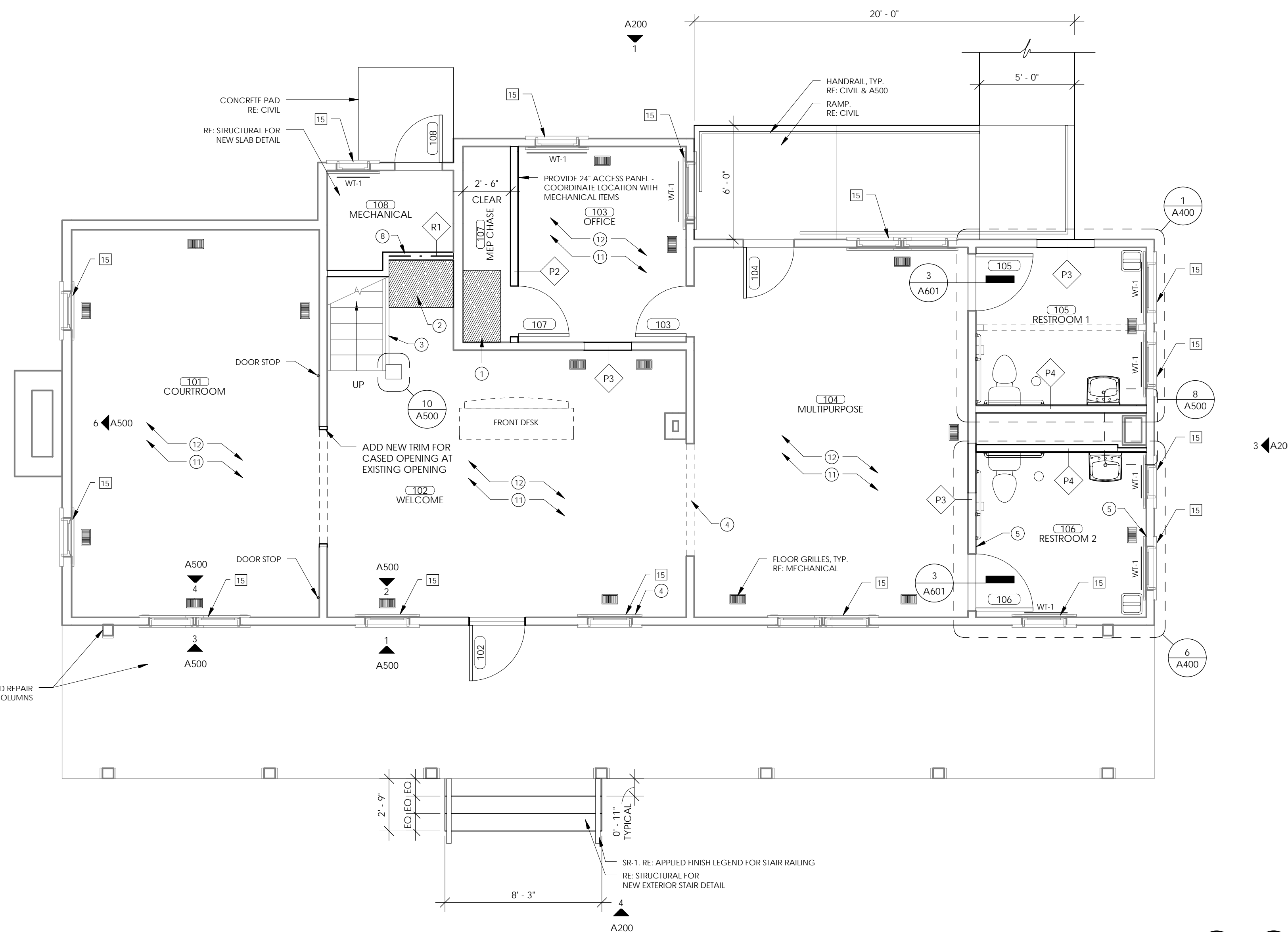
**CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION**  
ROSE, OK

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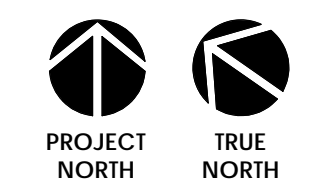
**FLOOR PLAN - LEVEL 1**

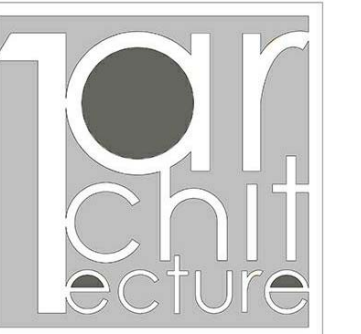
**A101**



**2 INSULATION DETAIL (ALT 3)**  
3/4" = 1'-0"

**1 FLOOR PLAN - LEVEL 1**  
1/4" = 1'-0"



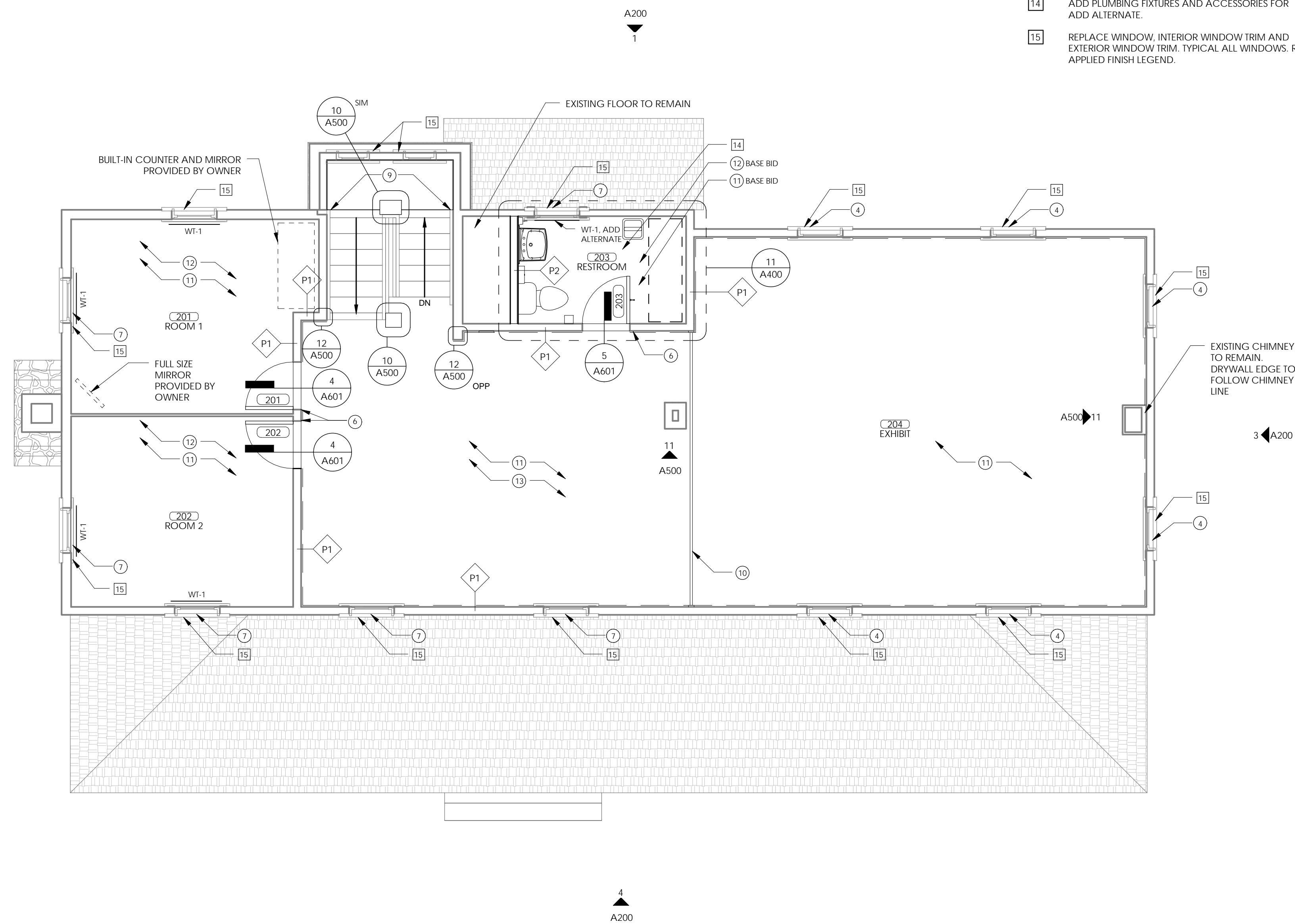


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PH. 918.764.9996



**SHEET NOTES:**

- 1 INFILL FLOOR AT PREVIOUS CHASE LOCATION TO MATCH ADJACENT FLOOR ELEVATION AND FINISH
- 2 INFILL FLOOR TO MATCH ADJACENT WOOD FLOOR ELEVATION AND FINISH
- 3 RESTORE MISSING HAND RAIL COMPONENTS TO MATCH EXISTING ADJACENT
- 4 ADD MISSING TRIM AS REQUIRED TO MATCH ADJACENT EXISTING. RE: SHEET A500
- 5 COVER PREVIOUS WALL LOCATION WITH 1 x TRIM, WIDTH AS REQUIRED, RE: REFLECTED CEILING PLAN
- 6 REVISE DOOR TRIM TO MATCH EXISTING 1ST FLOOR TRIM, RE: A500
- 7 REVISE WINDOW TRIM TO MATCH EXISTING 1ST FLOOR TRIM, RE: A500
- 8 NEW R1 WALL TO TERMINATE AT HORIZONTAL/FLAT PORTION OF STAIR LANDING ABOVE
- 9 REPLACE/ADD EXISTING 1X TRIM, WIDTH AS REQUIRED, TO COVER WALL JOINT, RE: REFLECTED CEILING PLAN
- 10 ADD WOOD REDUCER TRANSITION STRIP TO MATCH EXISTING OVER FULL LENGTH OF FLOOR ELEVATION CHANGE
- 11 REFINISH WOOD FLOORS RE: SPECIFICATIONS AND APPLIED FINISH LEGEND
- 12 PREP WALLS AND CEILING FOR PAINT, RE: SPECIFICATIONS AND APPLIED FINISH LEGEND
- 13 ADD BASE TRIM TO MATCH FIRST FLOOR, RE: A500
- 14 ADD PLUMBING FIXTURES AND ACCESSORIES FOR ADD ALTERNATE.
- 15 REPLACE WINDOW, INTERIOR WINDOW TRIM AND EXTERIOR WINDOW TRIM. TYPICAL ALL WINDOWS, RE: APPLIED FINISH LEGEND.



**FLOOR PLAN LEGEND**

- ① KEY NOTE
- 1 KEY NOTE (ADD ALTERNATE)
- - - DASHED INDICATES OWNER PROVIDED ITEM
- EXTENT OF NEW GYPSUM BOARD FINISH



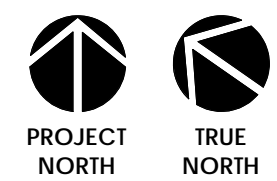
DRAWN FOR:

**CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION**  
ROSE, OK

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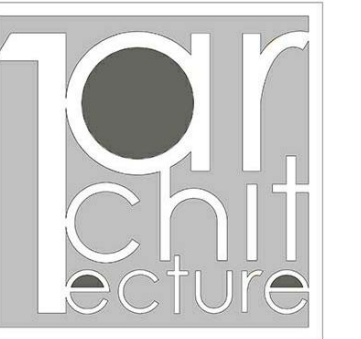
**FLOOR PLAN - LEVEL 2**



**1 FLOOR PLAN - LEVEL 2**  
1/4" = 1'-0"

**A102**

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**SHEET NOTES:**

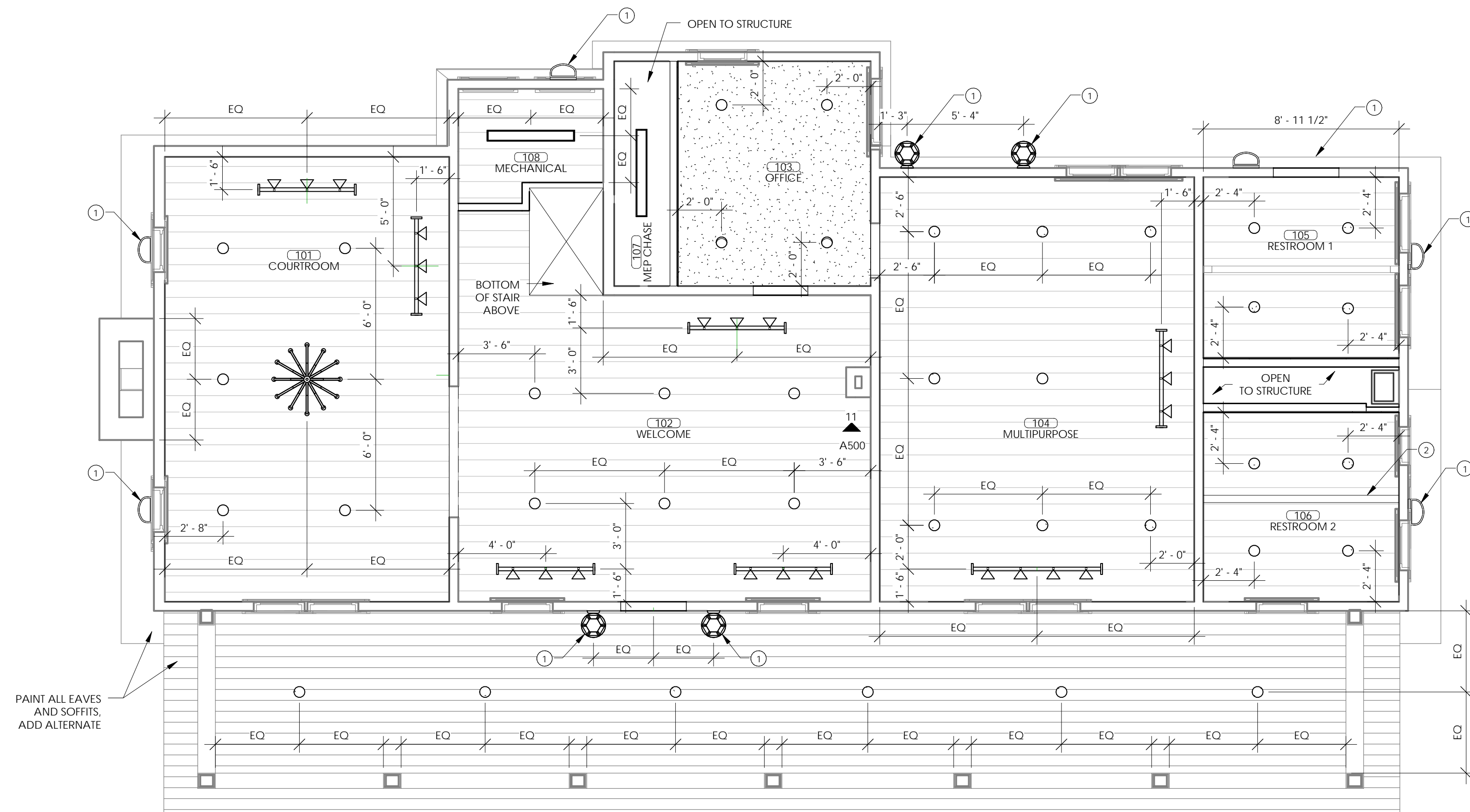
- ① REFERENCE EXTERIOR ELEVATIONS FOR EXTERIOR WALL LIGHTING.
  - ② COVER PREVIOUS WALL LOCATION WITH 1X TRIM, WIDTH TO MATCH ADJACENT WALL TRIM. RE: FLOOR PLANS
  - ③ PROVIDE RECESSED ACCESS DOOR TO MATCH EXISTING OPENING AND PAINT TO MATCH ADJACENT CEILING
- GENERAL RCP NOTES:
- A. CAN LIGHT AND DIFFUSER LOCATIONS MAY VARY TO ACCOMMODATE EXISTING BEAM SPACING. CEILING HEIGHT TO BE BOTTOM OF STRUCTURE, U.N.O.
  - B. REFER TO THE A000 SERIES SHEETS FOR ARCHITECTURAL GENERAL NOTES, INSTALLATION RULES, MATERIAL SYMBOLS, ABBREVIATIONS, AND DIMENSIONING CONVENTIONS USED ON THIS DRAWING.
  - C. FOR BASIC LIFE SAFETY AND CODE INFORMATION APPLYING TO THIS PROJECT, REFER TO THE A000 SERIES SHEETS, LOCATED PER THE INDEX OF DRAWINGS.
  - D. REFER TO AND COORDINATE WITH PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION NOT SHOWN ON THIS DRAWING.
  - E. REFER TO THE A600 SERIES SHEETS FOR INTERIOR FINISH INFORMATION. DIMENSIONS TAKEN FROM CENTER OF FIXTURES TO FINISH FACE OF WALL, TYPICAL.

LEGEND:

- EXISTING WOOD CEILING
- NEW GYPSUM BOARD CEILING
- OPEN CEILING

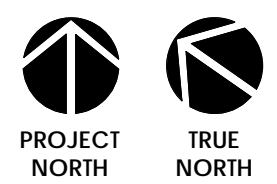
**FLOOR PLAN LEGEND**

- KEY NOTE
- KEY NOTE (ADD ALTERNATE)
- DASHED INDICATES OWNER PROVIDED ITEM
- EXTENT OF NEW GYPSUM BOARD FINISH



PAINT ALL EAVES AND SOFFITS. ADD ALTERNATE

**1 REFLECTED CEILING PLAN - LEVEL 1**  
1/4" = 1'-0"



DRAWN FOR:

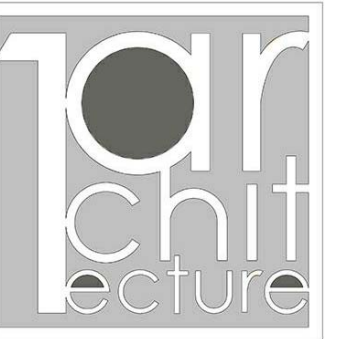
**CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION**  
ROSE, OK

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SHEET TITLE:

**REFLECTED CEILING PLAN  
- LEVEL 1**

**A103**



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**SHEET NOTES:**

- ① REFERENCE EXTERIOR ELEVATIONS FOR EXTERIOR WALL LIGHTING.
- ② COVER PREVIOUS WALL LOCATION WITH 1X TRIM, WIDTH TO MATCH ADJACENT WALL TRIM. RE: FLOOR PLANS
- ③ PROVIDE RECESSED ACCESS DOOR TO MATCH EXISTING OPENING AND PAINT TO MATCH ADJACENT CEILING

**GENERAL RCP NOTES:**

- A. CAN LIGHT AND DIFFUSER LOCATIONS MAY VARY TO ACCOMMODATE EXISTING BEAM SPACING.
- B. CEILING HEIGHT TO BE BOTTOM OF STRUCTURE, U.N.O.
- C. REFER TO THE A000 SERIES SHEETS FOR ARCHITECTURAL GENERAL NOTES, INSTALLATION RULES, MATERIAL SYMBOLS, ABBREVIATIONS, AND DIMENSIONING CONVENTIONS USED ON THIS DRAWING.
- D. FOR BASIC LIFE SAFETY AND CODE INFORMATION APPLYING TO THIS PROJECT, REFER TO THE A000 SERIES SHEETS LOCATED PER THE INDEX OF DRAWINGS.
- E. REFER TO AND COORDINATE WITH PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION NOT SHOWN ON THIS DRAWING.
- F. REFER TO THE A600 SERIES SHEETS FOR INTERIOR FINISH INFORMATION. DIMENSIONS TAKEN FROM CENTER OF FIXTURES TO FINISH FACE OF WALL, TYPICAL.
- G.

**LEGEND:**

- EXISTING WOOD CEILING
- NEW GYPSUM BOARD CEILING
- OPEN CEILING

**FLOOR PLAN LEGEND**

- KEY NOTE
- KEY NOTE (ADD ALTERNATE)
- DASHED INDICATES OWNER PROVIDED ITEM
- EXTENT OF NEW GYPSUM BOARD FINISH



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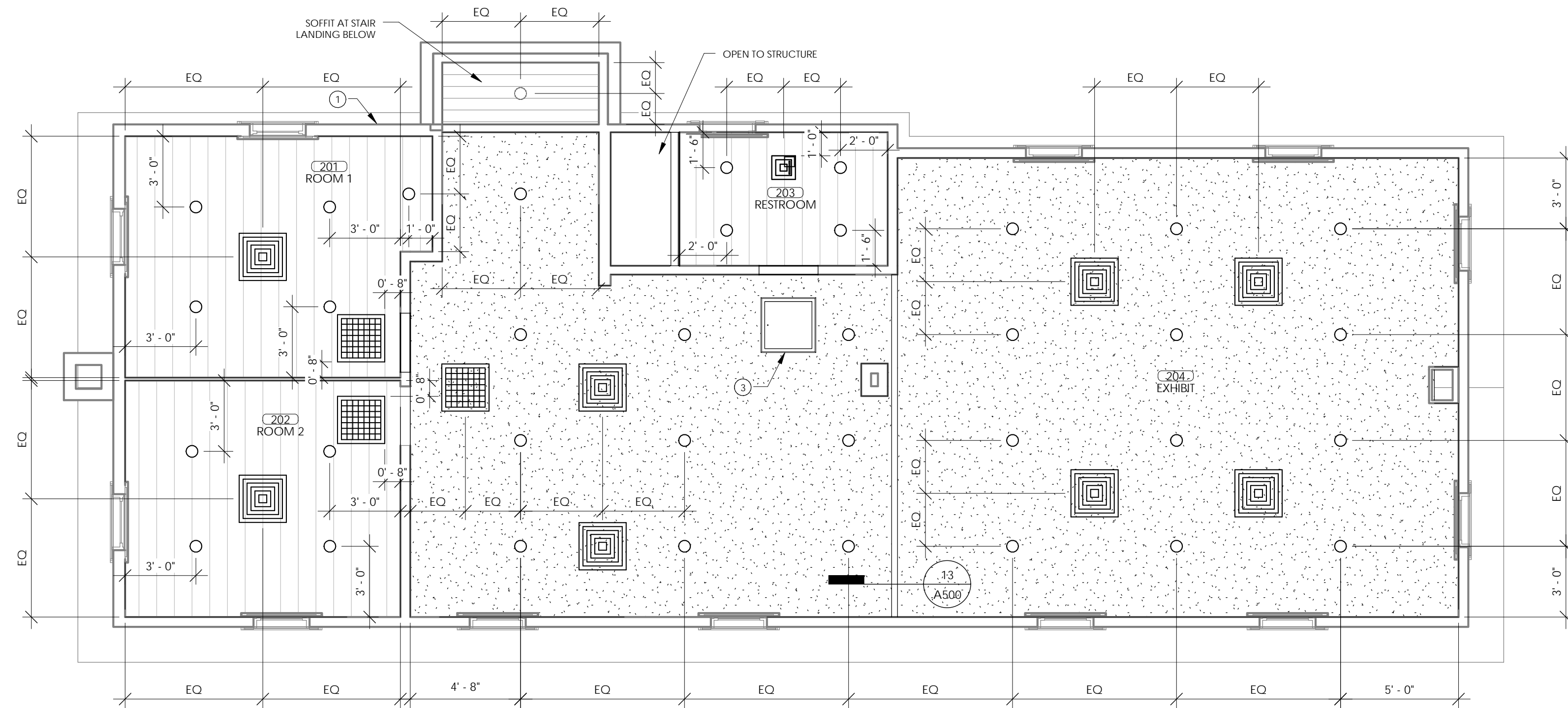
**CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION**  
ROSE, OK

NO.	REVISION	DATE

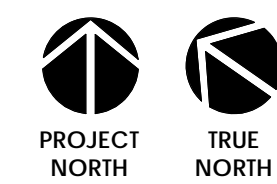
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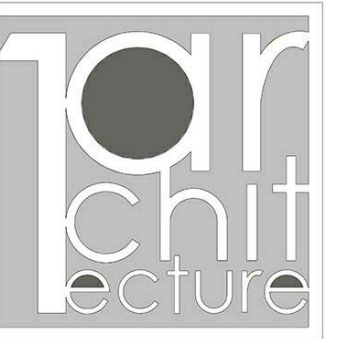
**REFLECTED CEILING PLAN  
- LEVEL 2**

**A104**



**1 REFLECTED CEILING PLAN - FLOOR 2**  
1/4" = 1'-0"





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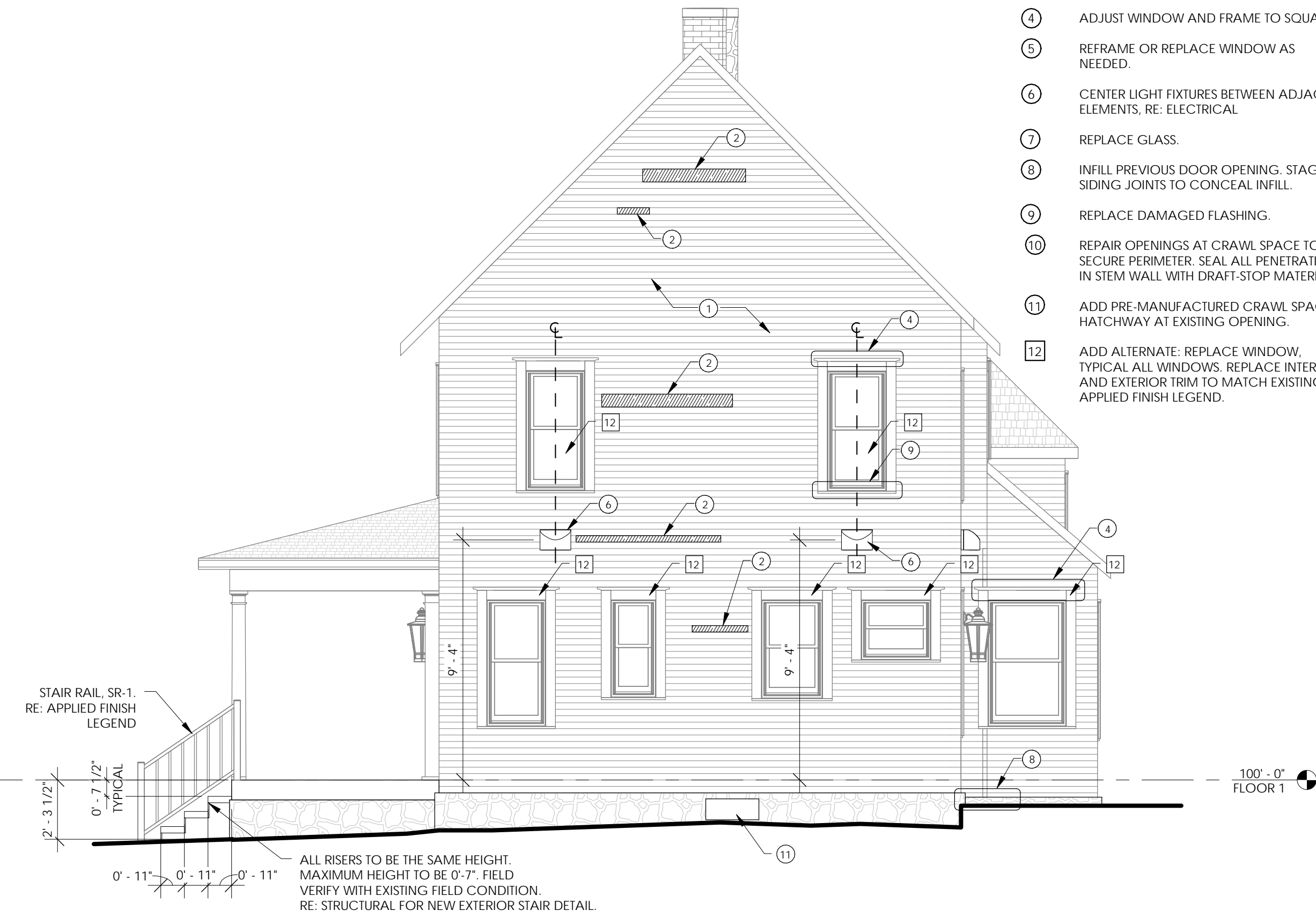


**SHEET NOTES:**

- 1 PATCH AND REPAIR SIDING.
- 2 REPLACE SIDING.
- 3 PATCH AND REPAIR TRIM, TO MATCH EXISTING.
- 4 ADJUST WINDOW AND FRAME TO SQUARE.
- 5 REFRAME OR REPLACE WINDOW AS NEEDED.
- 6 CENTER LIGHT FIXTURES BETWEEN ADJACENT ELEMENTS, RE: ELECTRICAL.
- 7 REPLACE GLASS.
- 8 INFILL PREVIOUS DOOR OPENING. STAGGER SIDING JOINTS TO CONCEAL INFILL.
- 9 REPLACE DAMAGED FLASHING.
- 10 REPAIR OPENINGS AT CRAWL SPACE TO SECURE PERIMETER. SEAL ALL PENETRATIONS IN SIEM WALL WITH DRAFT-STOP MATERIAL.
- 11 ADD PRE-MANUFACTURED CRAWL SPACE HATCHWAY AT EXISTING OPENING.
- 12 ADD ALTERNATE: REPLACE WINDOW, TYPICAL ALL WINDOWS, REPLACE INTERIOR AND EXTERIOR TRIM TO MATCH EXISTING, RE: APPLIED FINISH LEGEND.



**4 ELEVATION - WEST**  
1/4" = 1'-0"



**3 ELEVATION - SOUTH**  
1/4" = 1'-0"



**2 ELEVATION - NORTH**  
1/4" = 1'-0"



**1 ELEVATION - EAST**  
1/4" = 1'-0"

LEGEND:

- EXISTING WOOD SIDING
- AREAS OF REPLACEMENT

KEY NOTE LEGEND

- KEY NOTE
- KEY NOTE (ADD ALTERNATE)
- DASHED INDICATES OWNER PROVIDED ITEM



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**CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION**  
ROSE, OK

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SHEET TITLE:

EXTERIOR ELEVATIONS

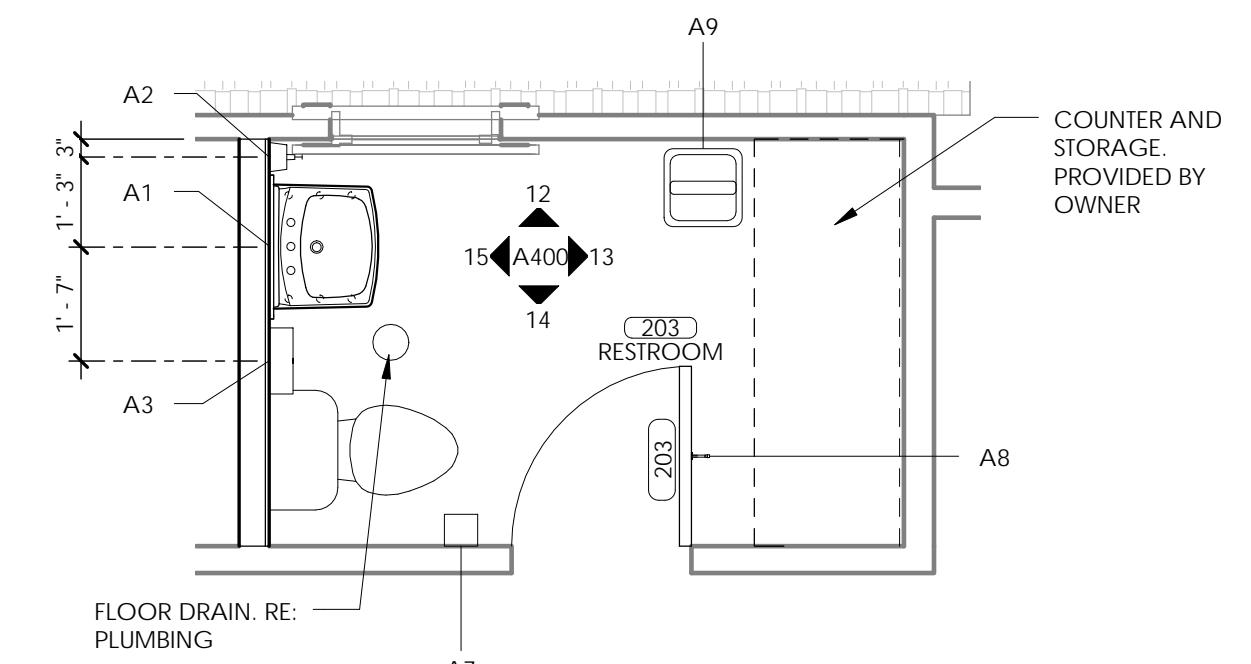
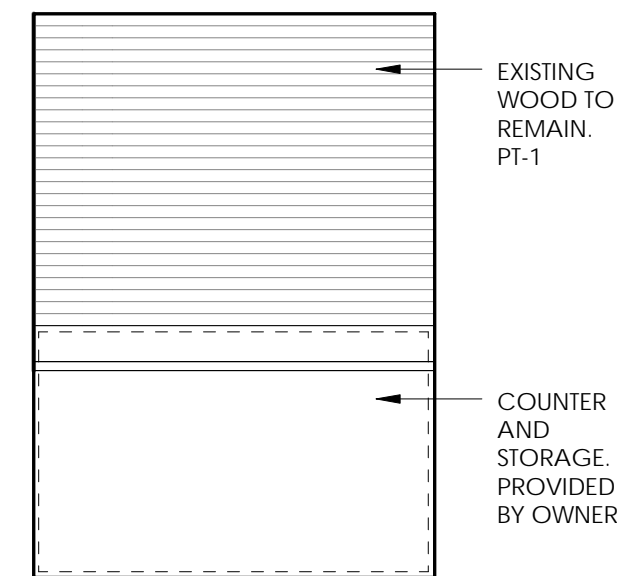
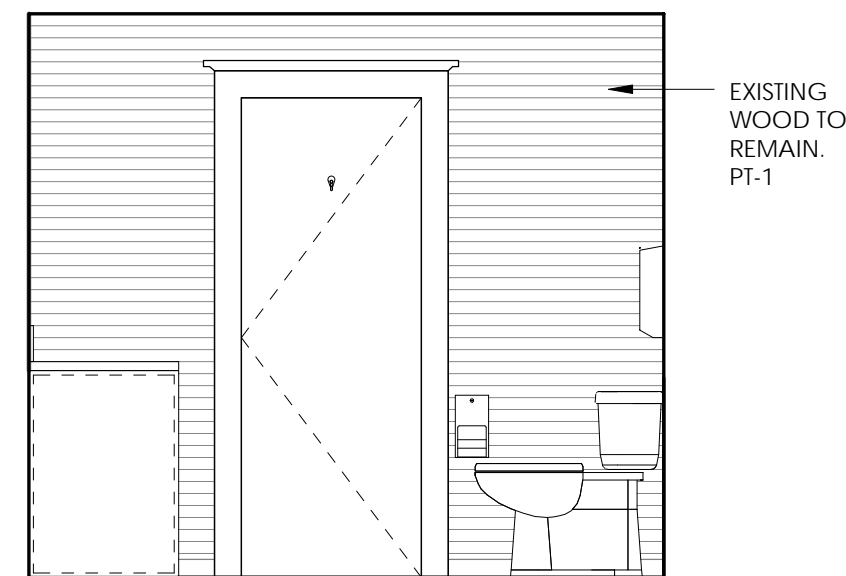
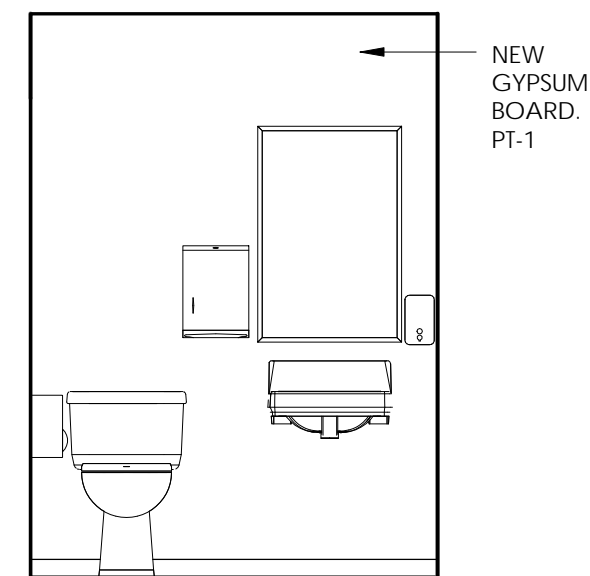
**A200**

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TOILET ACCESSORIES SCHEDULE

	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MOUNTING HEIGHT- A.F.F.	NOTES
A1	MIRROR- 2'-0"	BRADLEY	781-2436	SURFACE MOUNTED - BOTTOM OF GLASS AT 40"	NOTE 1
A2	SOAP DISPENSER	BRADLEY	6562	MOUNT PER ICC / ANSI 117.1 - 2009	NOTE 1
A3	PAPER TOWEL DISPENSER	BRADLEY	250-15	PAPER TOWEL OPENING AT 40"	NOTE 1
A4	GRAB BAR- 42"	BRADLEY	812	33" TO CENTERLINE	NOTE 2
A5	GRAB BAR- 36"	BRADLEY	812	33" TO CENTERLINE	NOTE 2
A6	GRAB BAR- 18"	BRADLEY	812	40" TO CENTERLINE OF BOTTOM - MOUNT VERTICAL	NOTE 2
A7	TOILET PAPER DISPENSER	BRADLEY	5402	MOUNT PER ICC / ANSI 117.1 - 2009	NOTE 1
A8	COAT HOOK	BRADLEY	915	TOP OF HOOK AT 48" FOR ACCESSIBLE, 66" FOR TYPICAL	NOTE 1
A9	FREE STANDING WASTE RECEPTACLE	BRADLEY	377-36		

1. REQUIRES BRACING
2. REQUIRES BRACING - CONCEALED METAL STUD MOUNTING KIT.



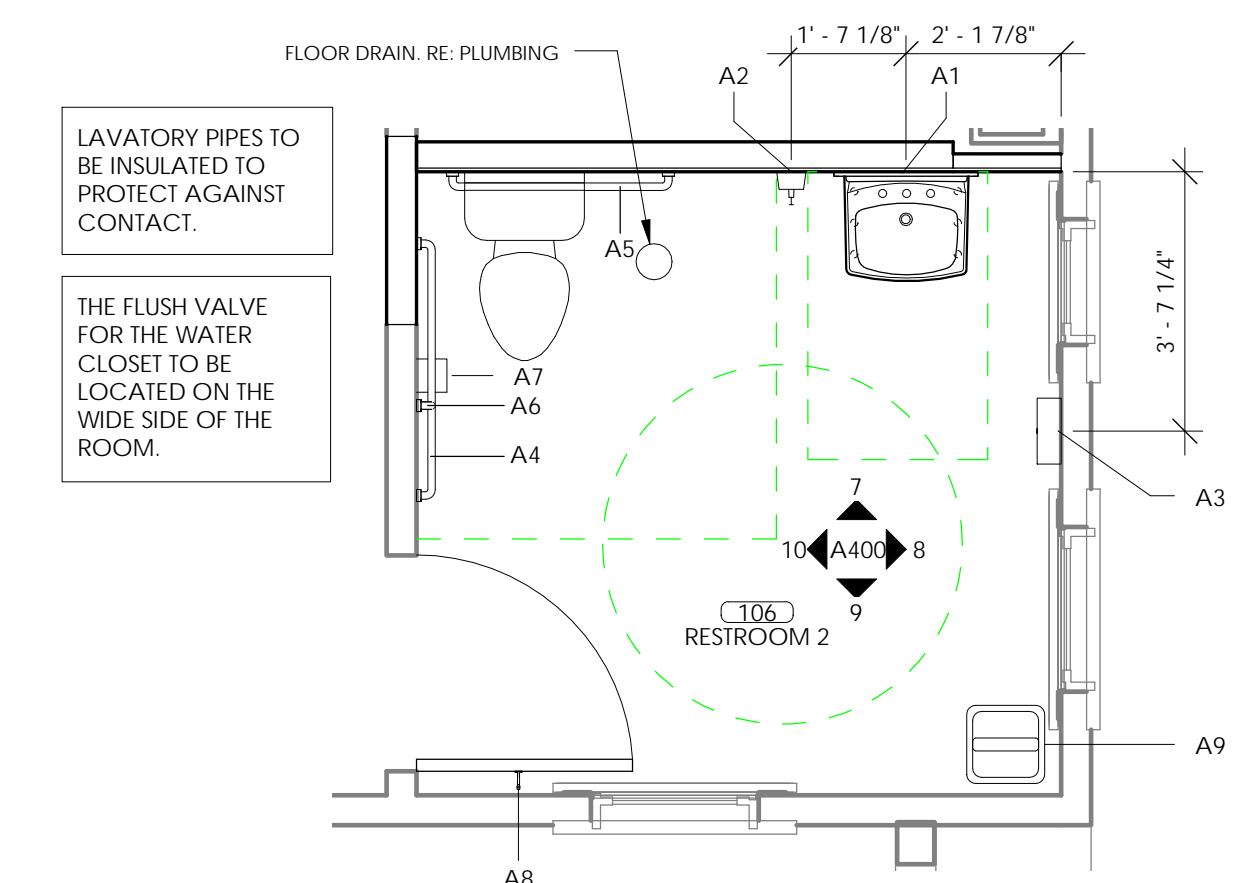
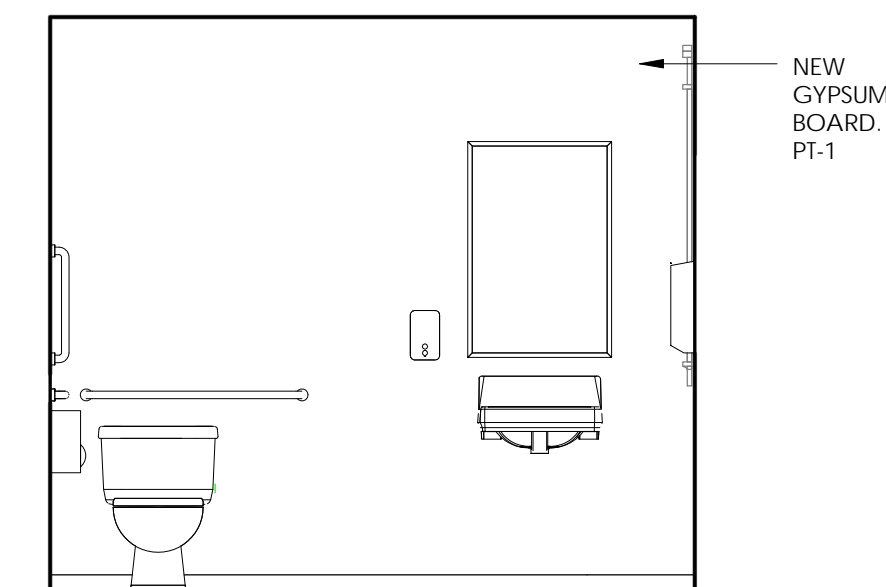
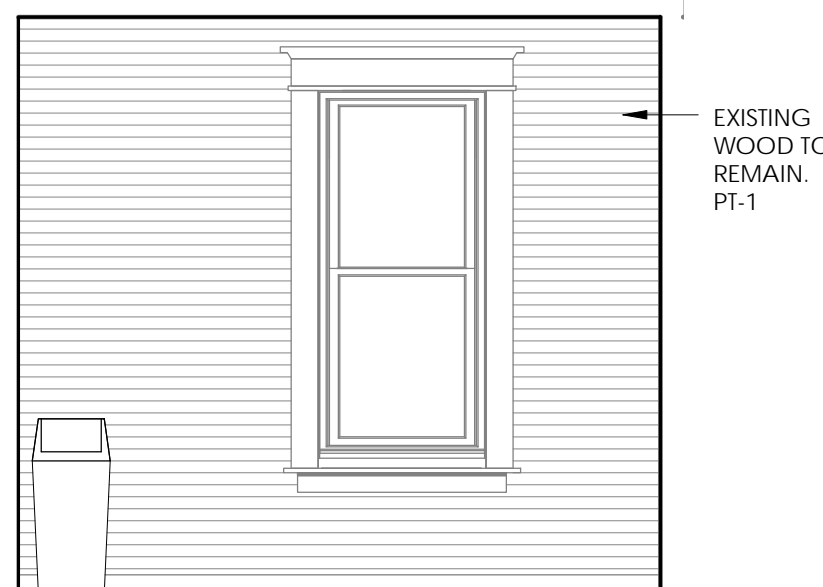
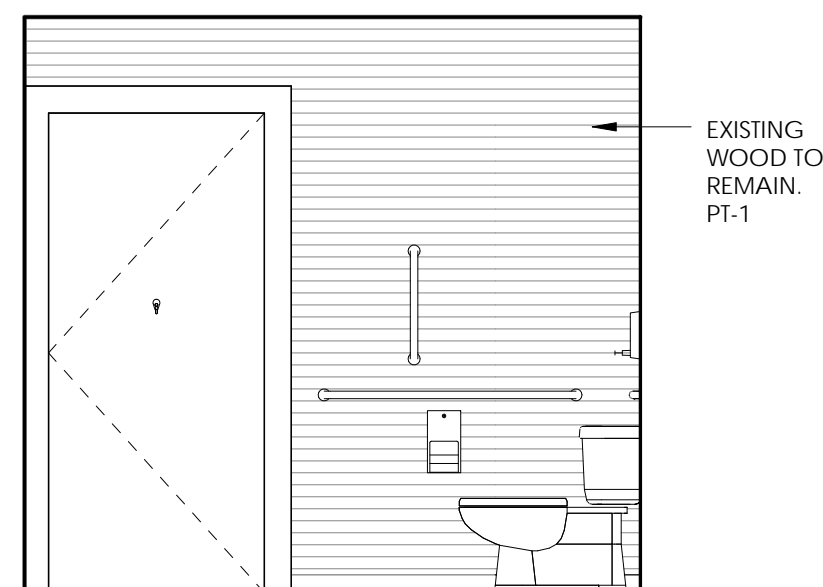
15 203 - ELEVATION 4 (ALT 1)  
3/8" = 1'-0"

14 203 - ELEVATION 3 (ALT 1)  
3/8" = 1'-0"

13 203 - ELEVATION 2 (ALT 1)  
3/8" = 1'-0"

12 203 - ELEVATION 1 (ALT 1)  
3/8" = 1'-0"

11 ENLARGED RESTROOM PLAN - 203 (ALT 1)  
3/8" = 1'-0"



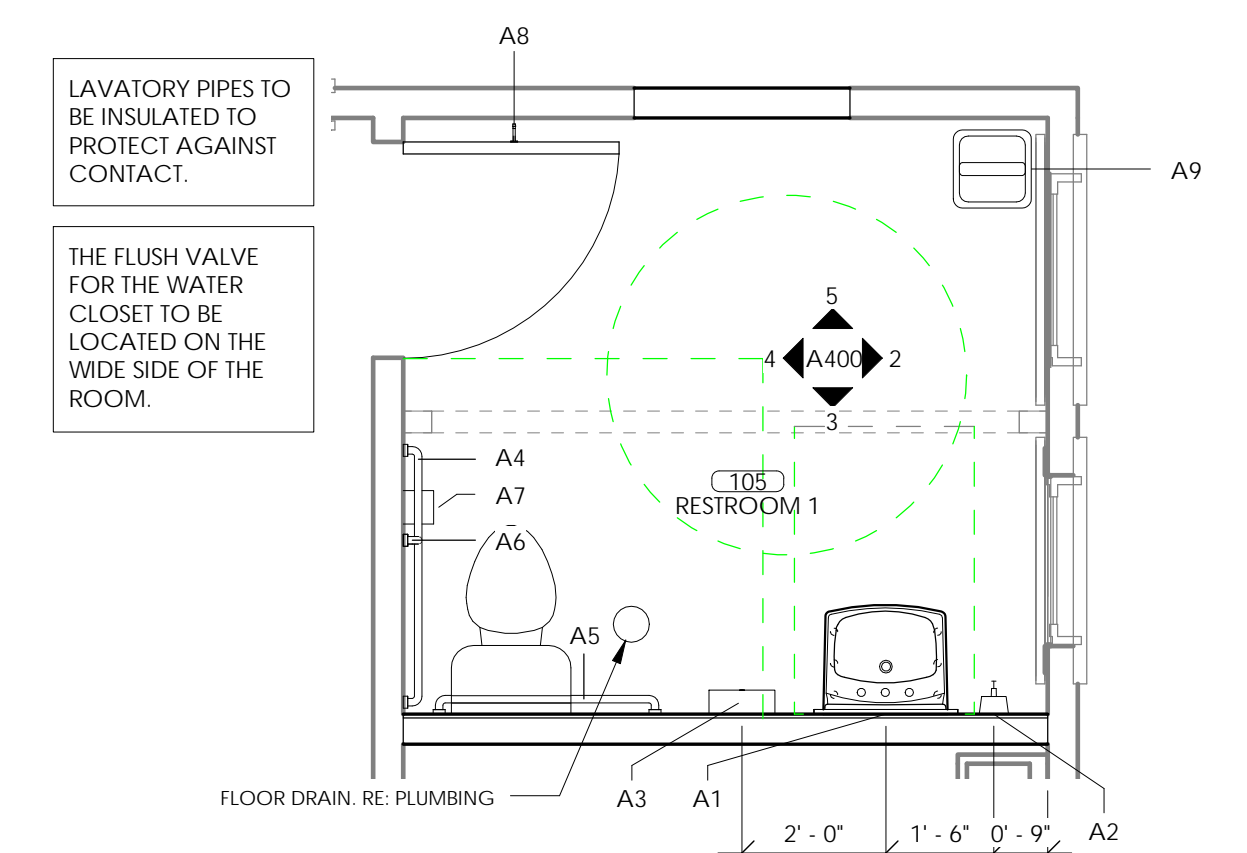
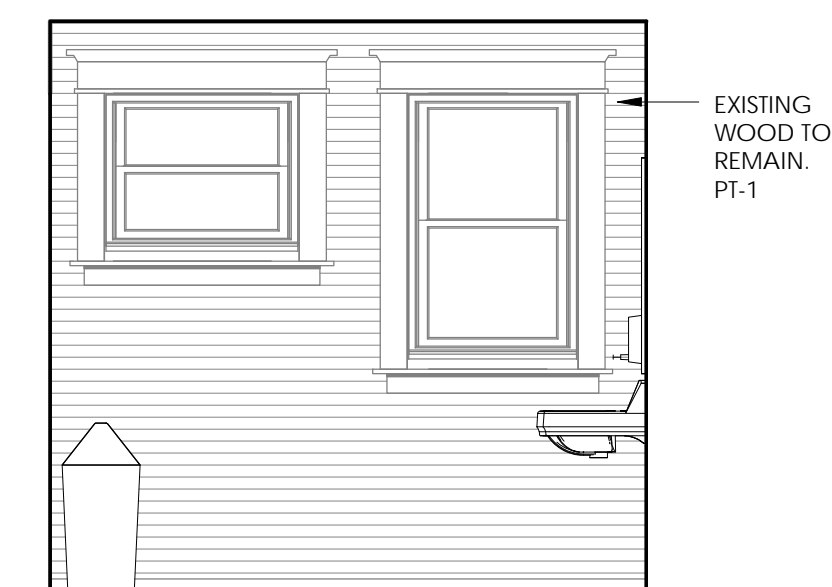
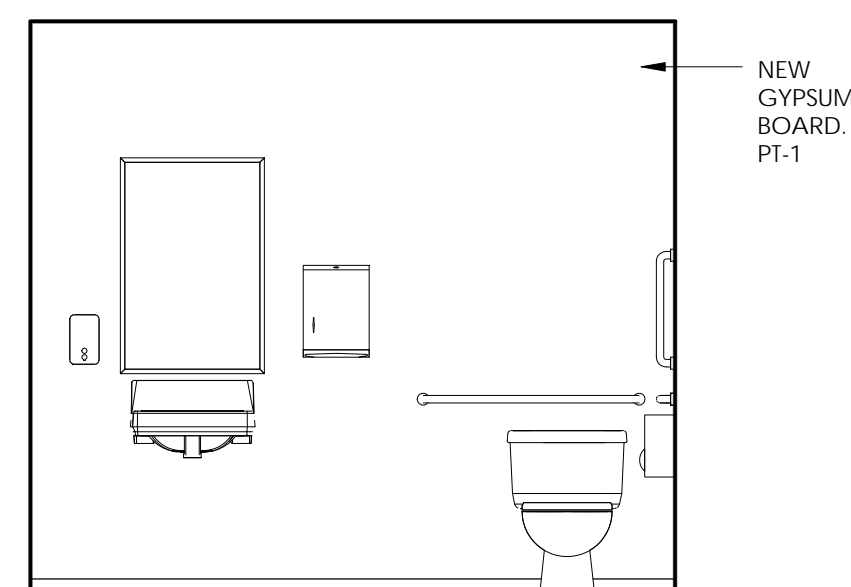
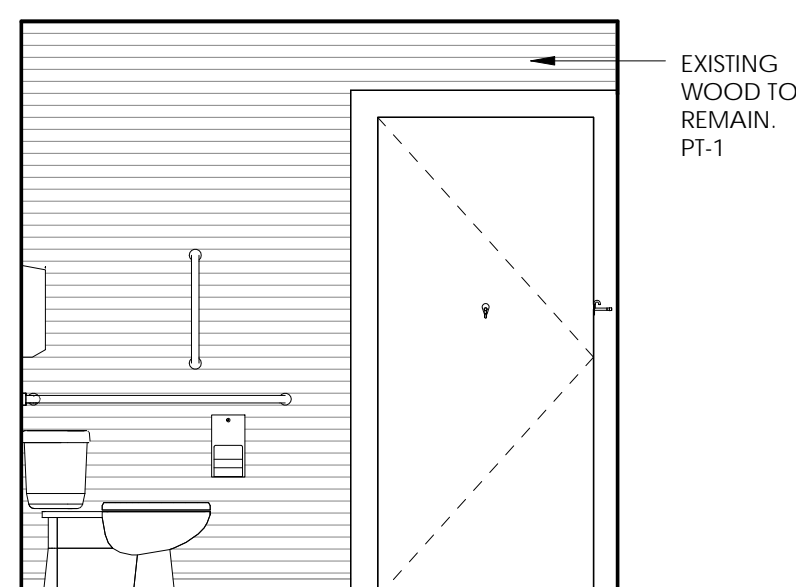
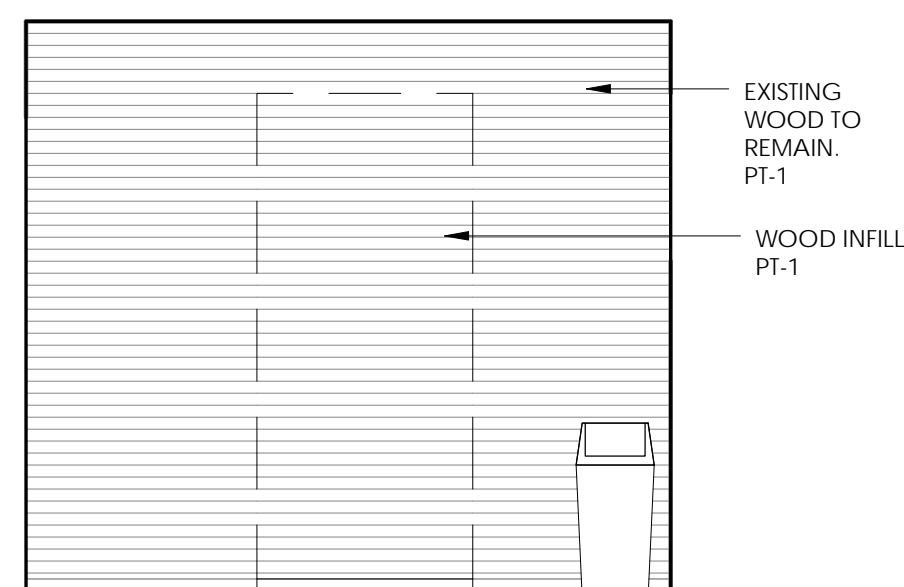
10 106 - ELEVATION 4  
3/8" = 1'-0"

9 106 - ELEVATION 3  
3/8" = 1'-0"

8 106 - ELEVATION 2  
3/8" = 1'-0"

7 106 - ELEVATION 1  
3/8" = 1'-0"

6 ENLARGED ADA RESTROOM PLAN - 106  
3/8" = 1'-0"



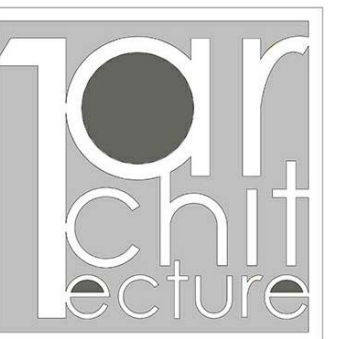
5 105 - ELEVATION 4  
3/8" = 1'-0"

4 105 - ELEVATION 3  
3/8" = 1'-0"

3 105 - ELEVATION 2  
3/8" = 1'-0"

2 105 - ELEVATION 1  
3/8" = 1'-0"

1 ENLARGED ADA RESTROOM PLAN - 105  
3/8" = 1'-0"



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RESTORATION  
ROSE, OK

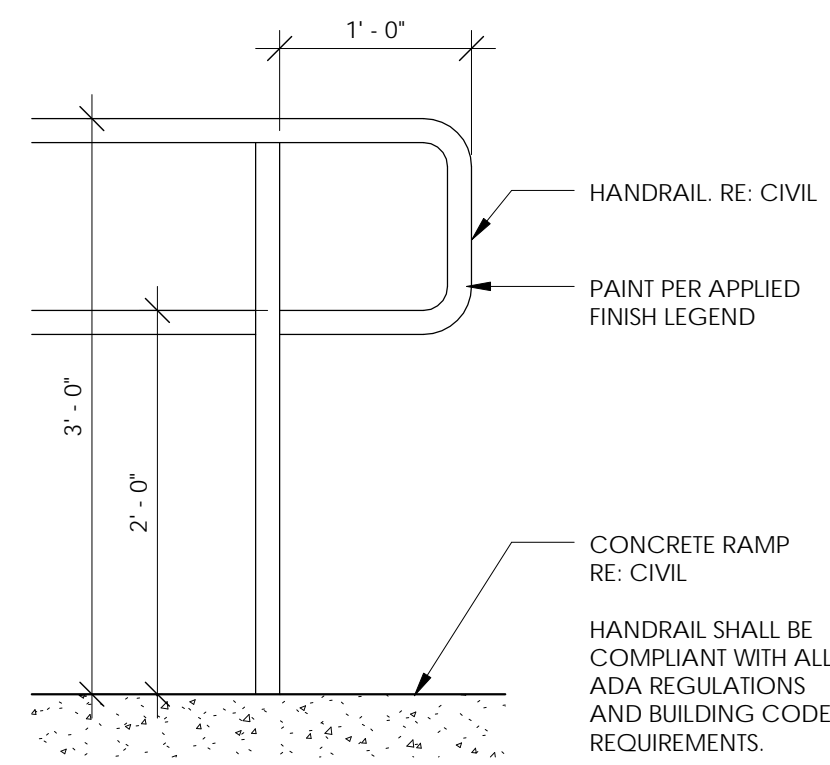
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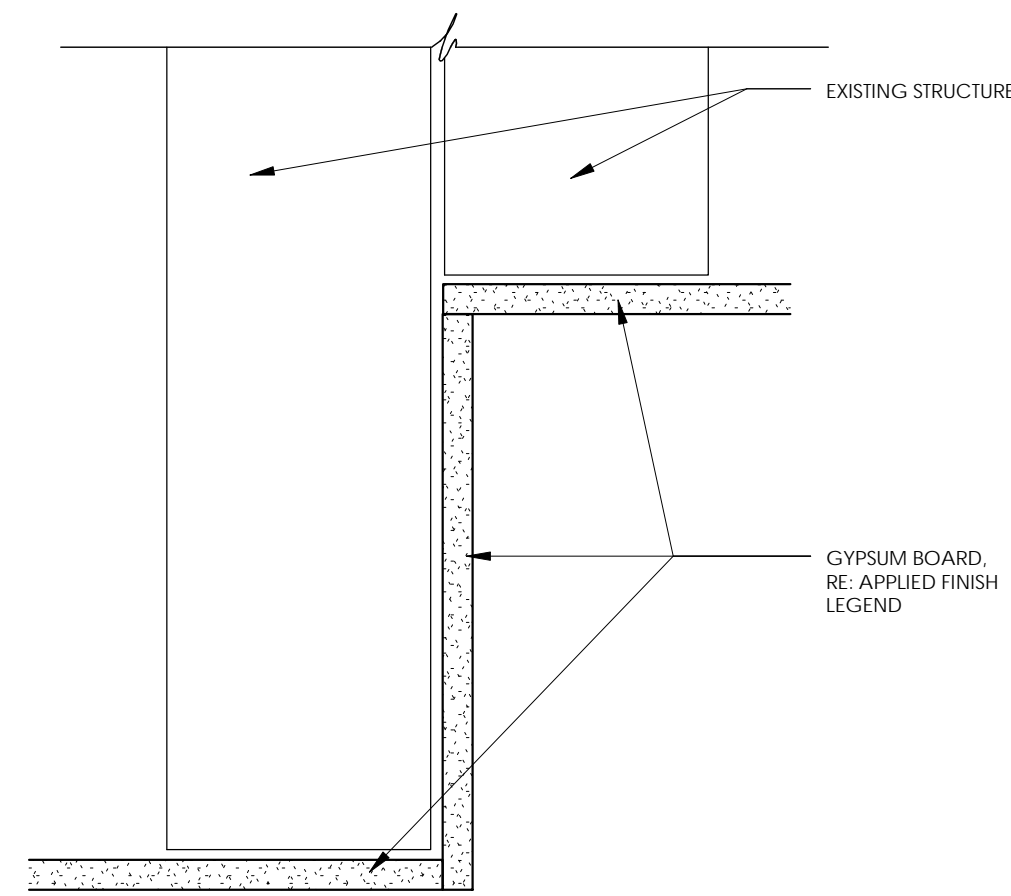
ENLARGED PLANS AND ELEVATIONS

A400

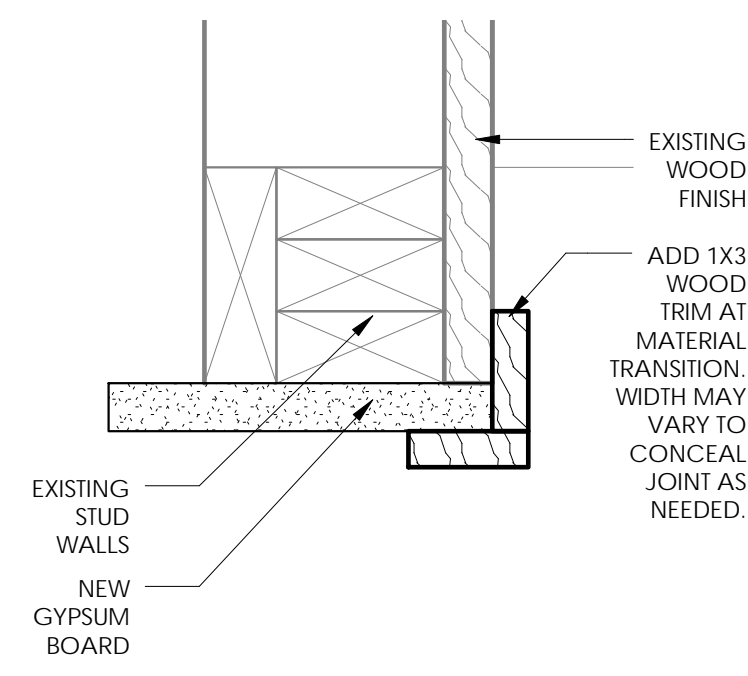
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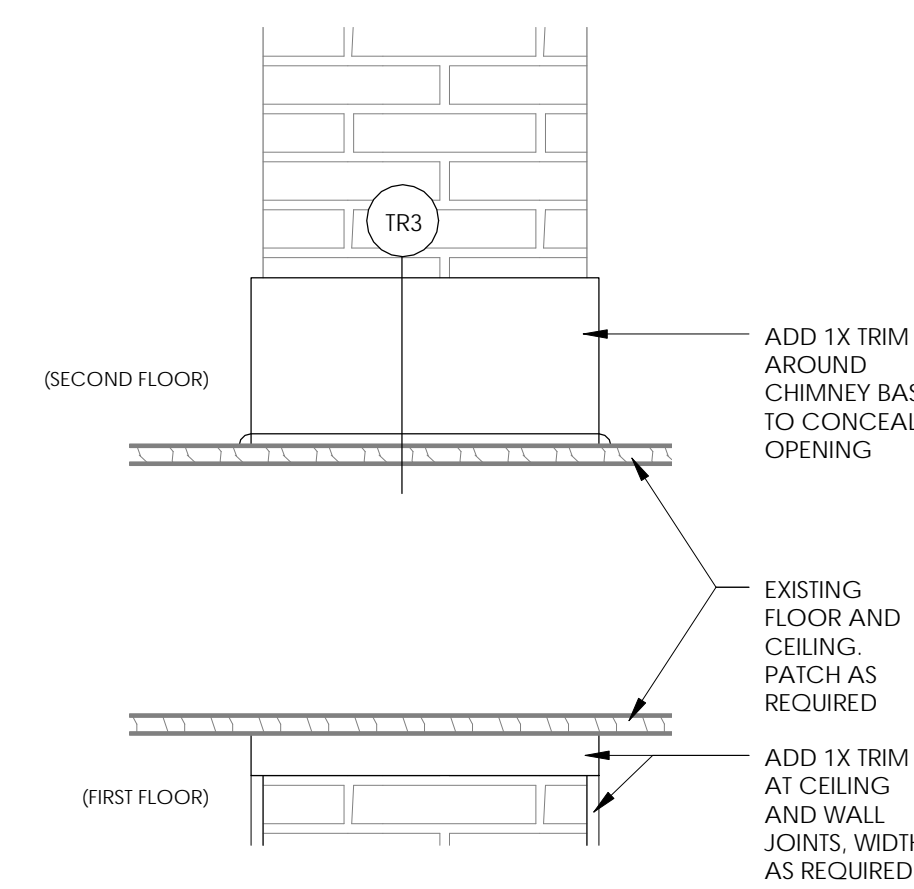
**14 HANDRAIL DETAIL**  
1" = 1'-0"



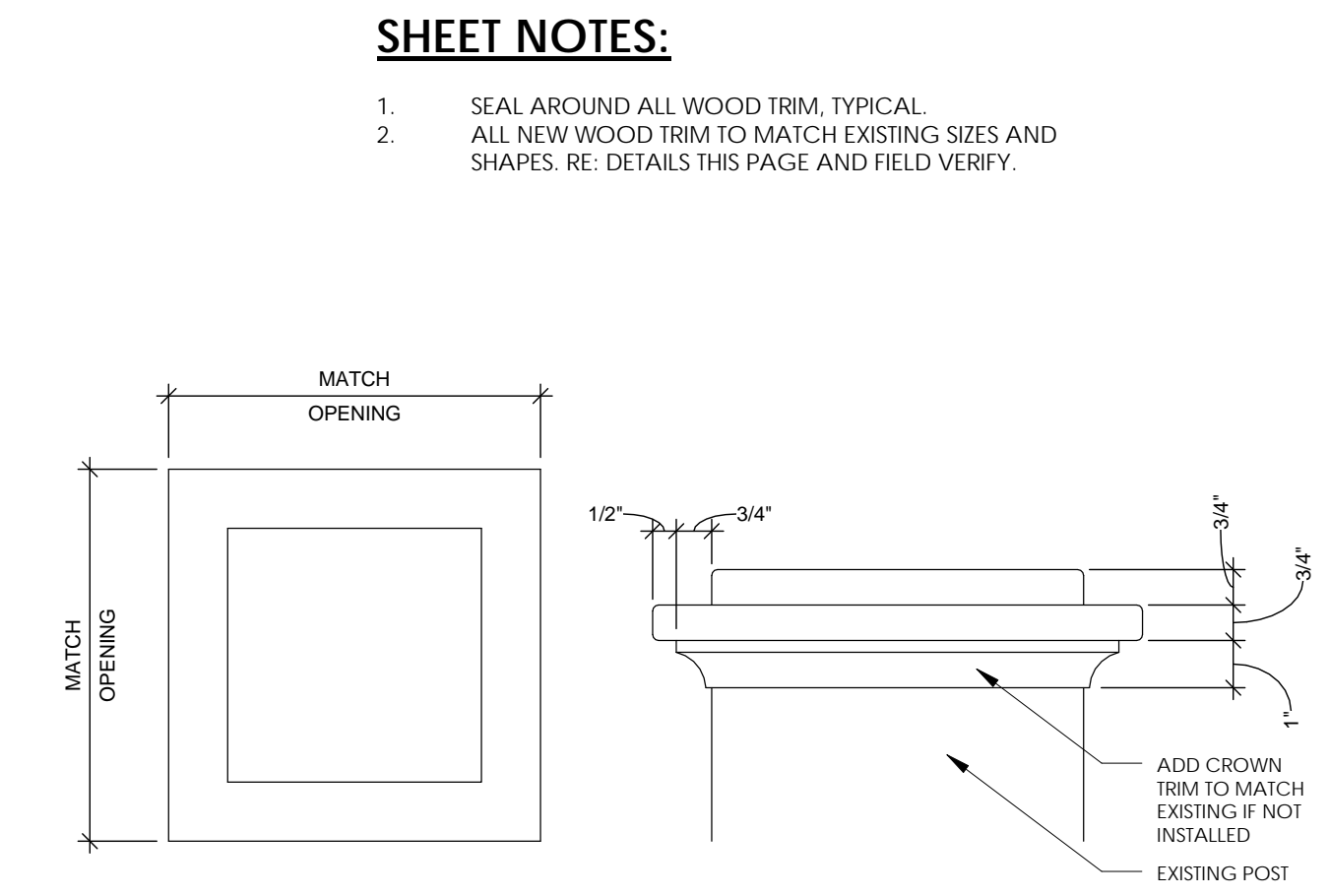
**13 CEILING DETAIL**  
3" = 1'-0"



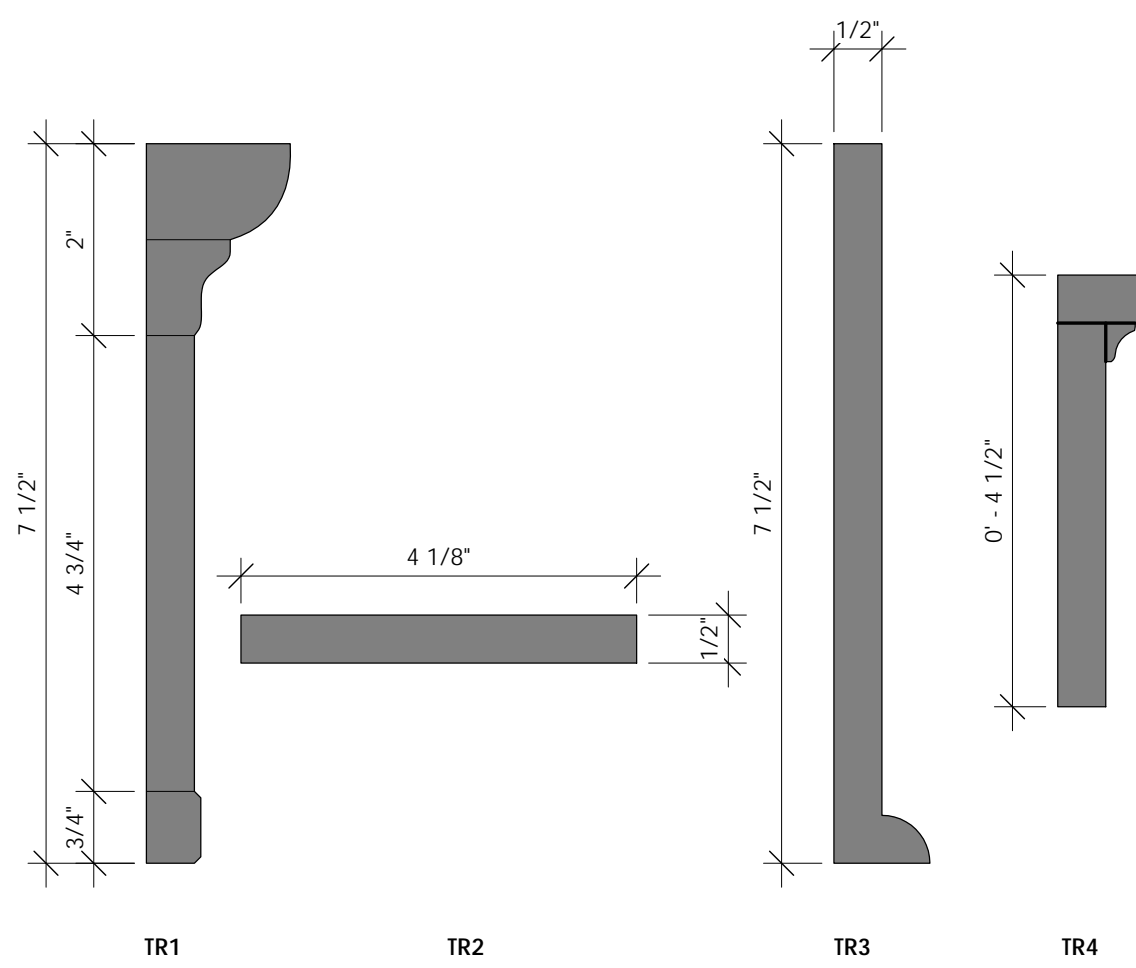
**12 CORNER DETAIL**  
3" = 1'-0"



**11 TRIM AT CHIMNEY**  
1 1/2" = 1'-0"

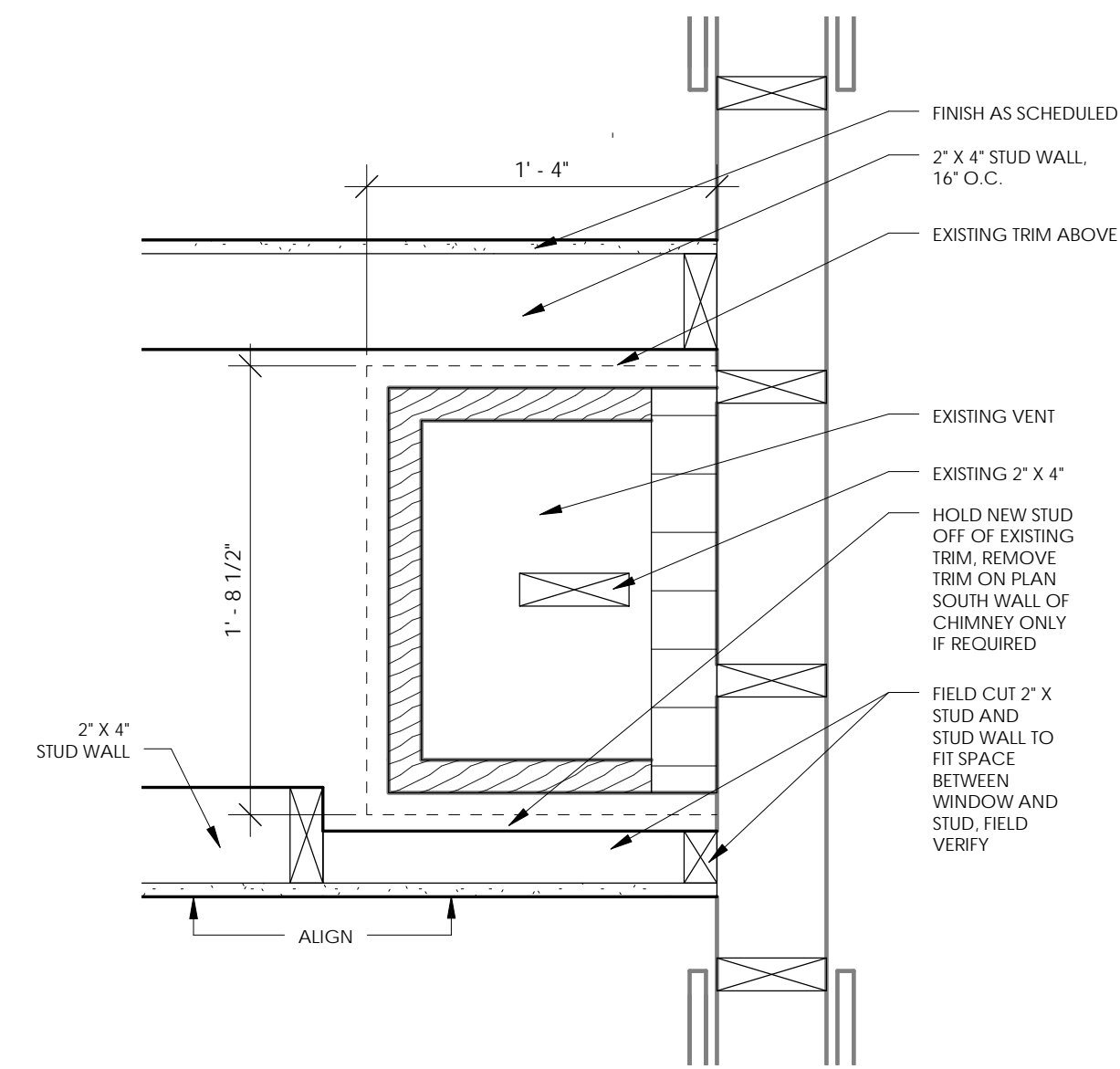


**10 STAIR POST CAP DETAIL**  
3" = 1'-0"

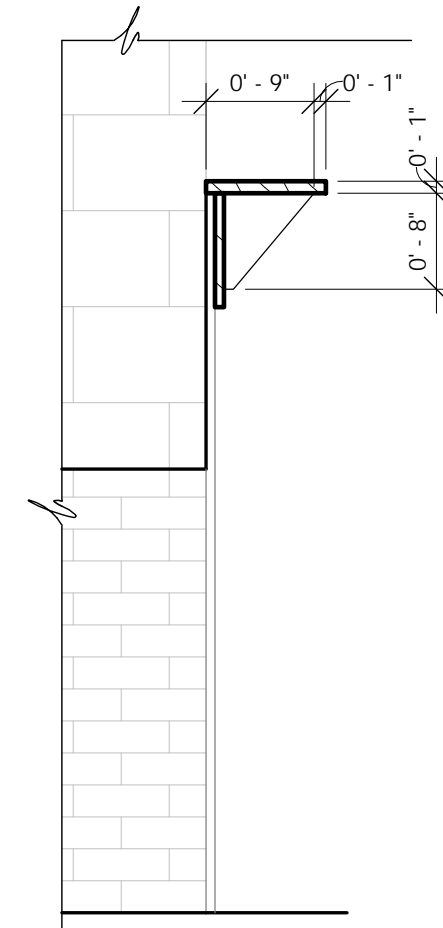


NOTE: FIELD VERIFY - NEW TO MATCH EXISTING

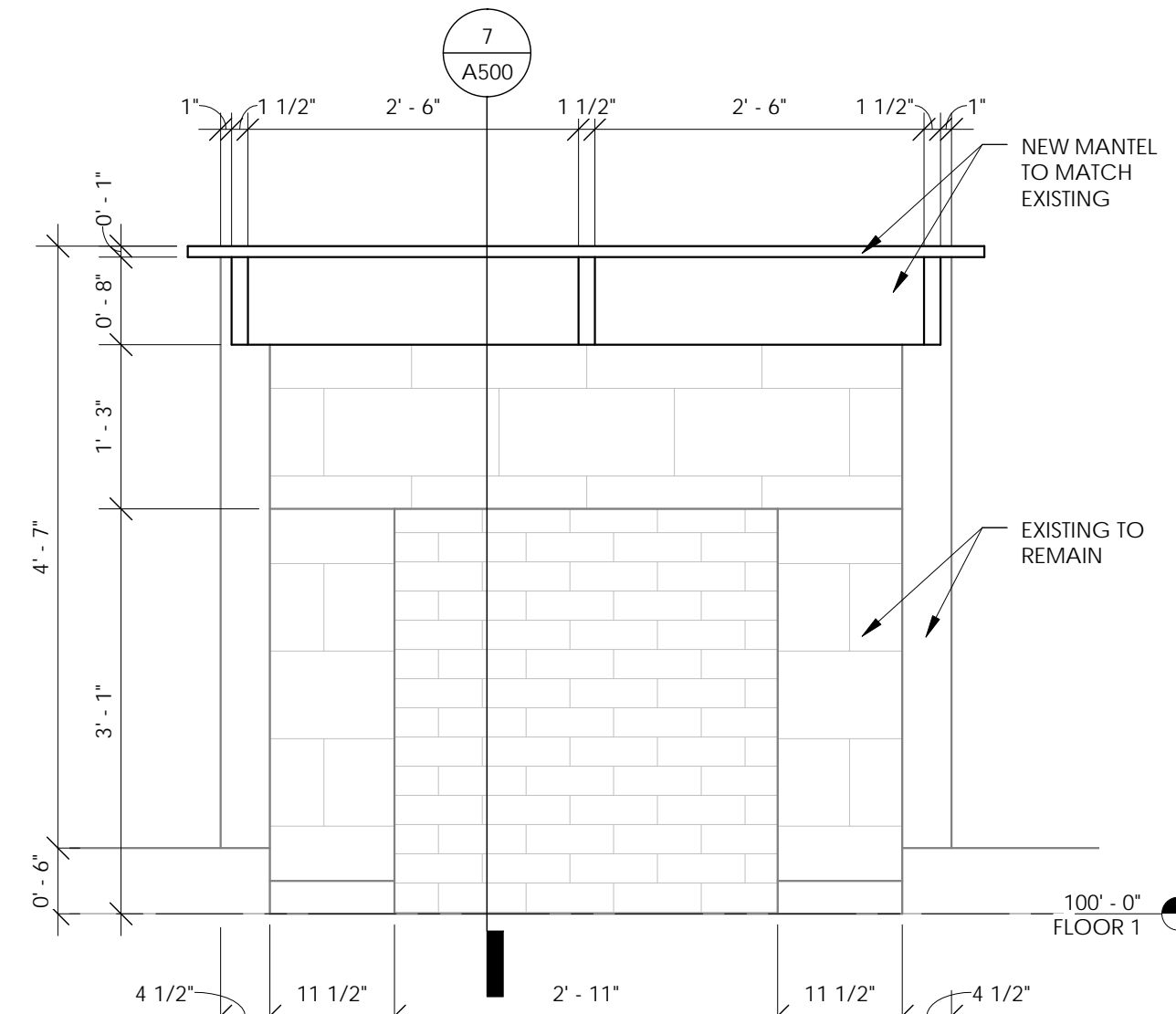
**9 TRIM PROFILES**  
6" = 1'-0"



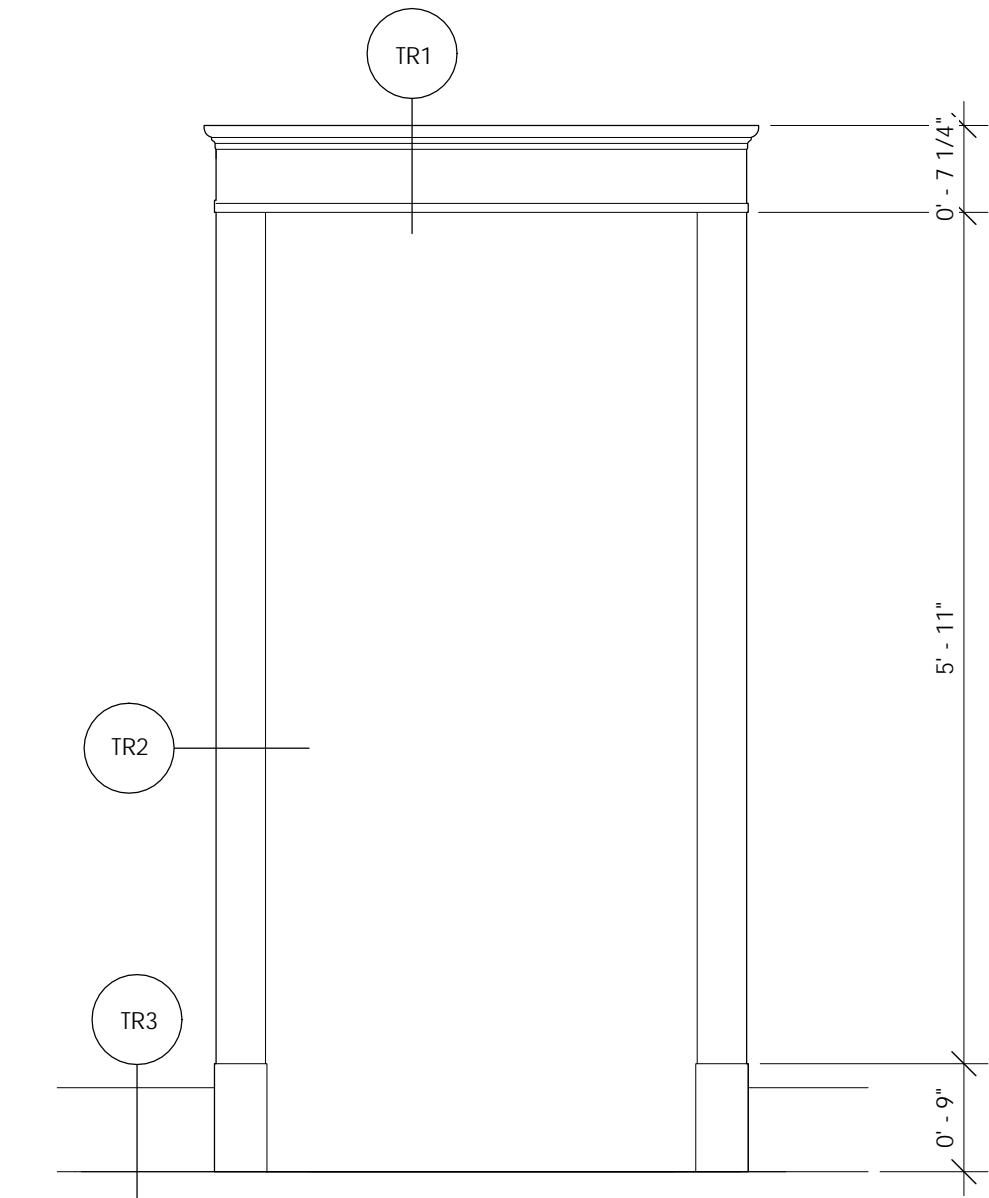
**8 ENLARGED BRICK WRAP DETAIL**  
1 1/2" = 1'-0"



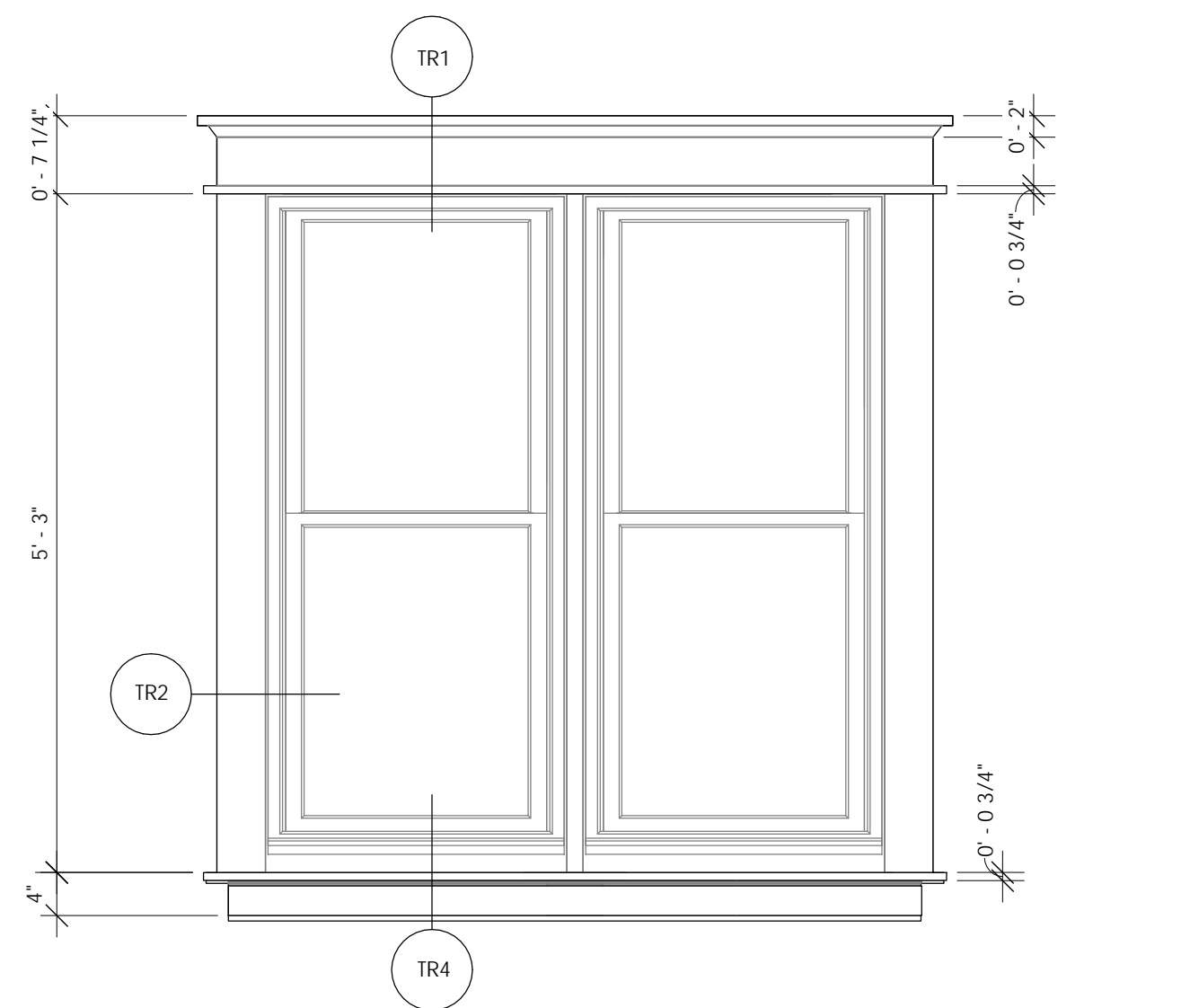
**7 MANTEL DETAIL**  
3/4" = 1'-0"



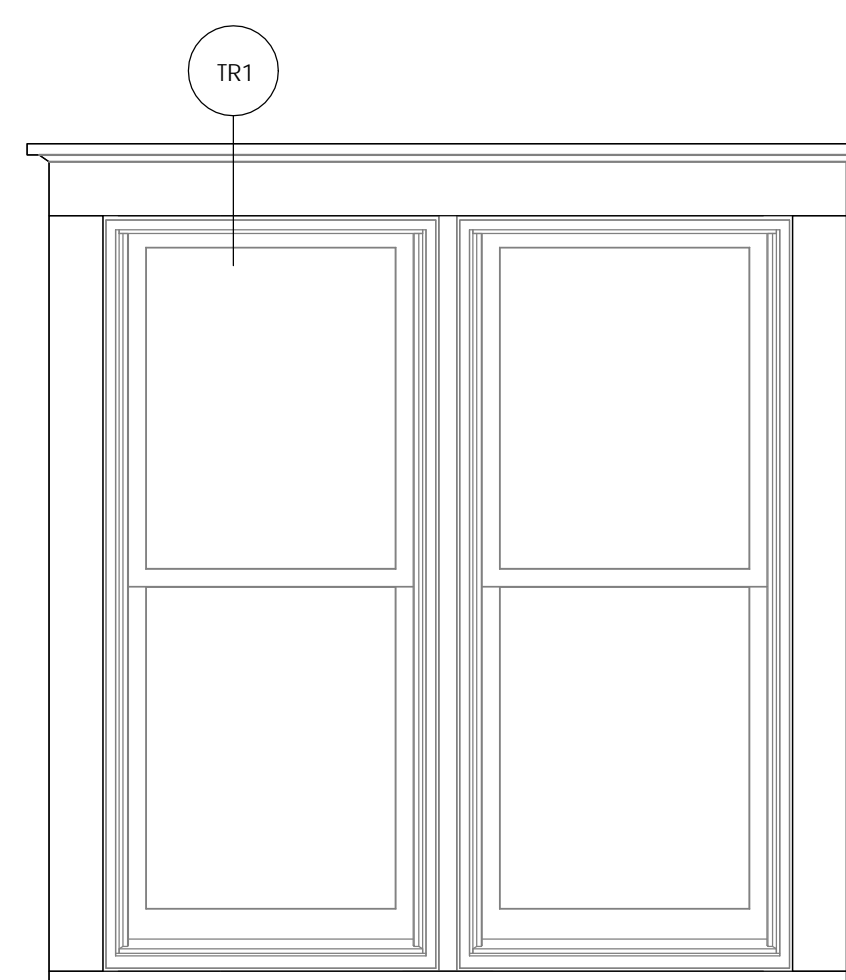
**6 FIREPLACE TRIM ELEVATION**  
3/4" = 1'-0"



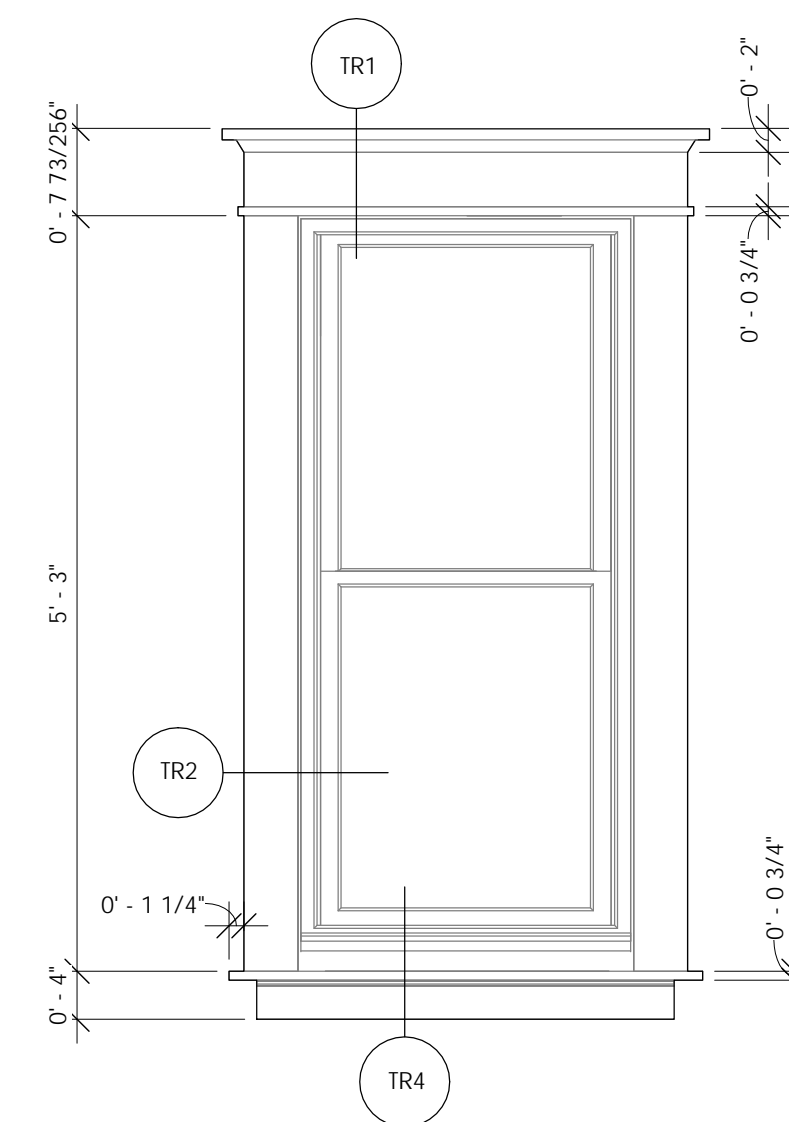
**5 DOOR/CASED OPENING TRIM**  
3/4" = 1'-0"



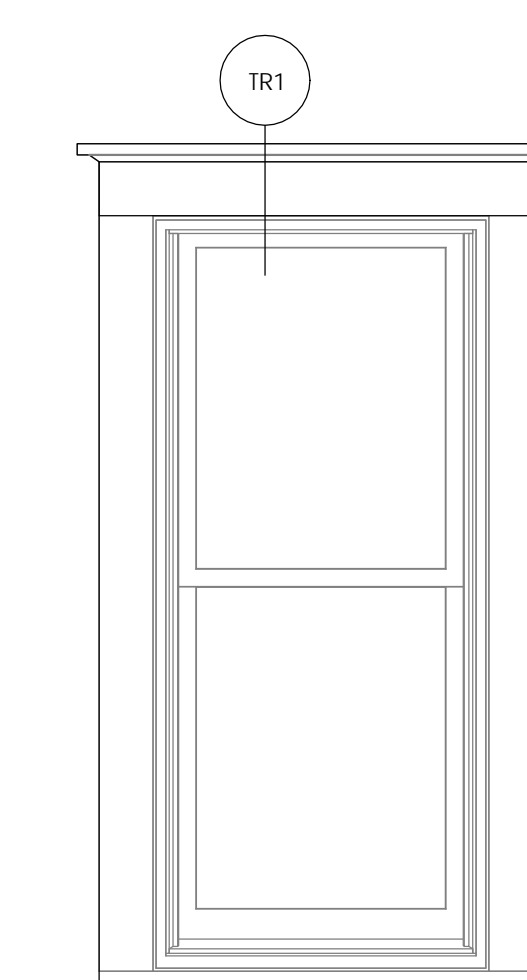
**4 INTERIOR WINDOW ELEVATION - DOUBLE**  
3/4" = 1'-0"



**3 EXTERIOR WINDOW ELEVATION - DOUBLE**  
3/4" = 1'-0"

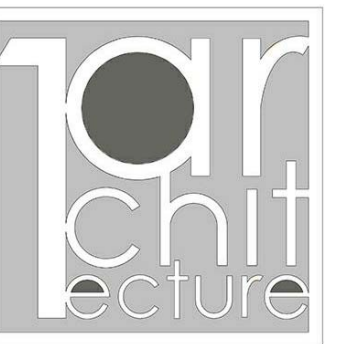


**2 INTERIOR WINDOW ELEVATION - SINGLE**  
3/4" = 1'-0"



**1 EXTERIOR WINDOW ELEVATION - SINGLE**  
3/4" = 1'-0"

**SHEET NOTES:**  
1. SEAL AROUND ALL WOOD TRIM, TYPICAL.  
2. ALL NEW WOOD TRIM TO MATCH EXISTING SIZES AND SHAPES. RE: DETAILS THIS PAGE AND FIELD VERIFY.



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DRAWN FOR:

**CHEROKEE NATION  
SALINE COURTHOUSE  
RESTORATION**  
ROSE, OK

NO.	REVISION	DATE

PROJECT NUMBER:  
1408-018  
ISSUE:  
BID SET  
DATE:  
02.23.18  
DRAWN BY:  
GS/MV  
CHECKED BY:  
ML  
SHEET TITLE:

DETAILS

**A500**



# DOOR HARDWARE SCHEDULE

<b>HARDWARE SET: 01</b>				
1 Opening: 102				
Qty	Description	Product Code	Finish	Manufacturer
1	Single Deadbolt Quaker Entry Set with Mackenzie Lever	D06-K540J	Oil Rubbed Bronze	Brass Accents

<b>HARDWARE SET: 02</b>				
1 Opening: 108				
Qty	Description	Product Code	Finish	Manufacturer
1	Single Deadbolt Quaker Entry Set with Mackenzie Lever	D06-K540J	Oil Rubbed Bronze	Brass Accents
1	Door Top Weatherstrip	346PW	Painted White	Pemko
1	Door Bottom Sweep	3452PWV	Painted White	Pemko

<b>HARDWARE SET: 03</b>				
1 Opening: 107				
Qty	Description	Product Code	Finish	Manufacturer
1	Passage New York Plate Door Set with Waldorf Crystal Knobs	NYK-WAL	Oil Rubbed Bronze	Nostalgic Warehouse

<b>HARDWARE SET: 04</b>				
1 Opening: 103, 203 (Base Bid)				
Qty	Description	Product Code	Finish	Manufacturer
1	Interior Mortise New York Plate Door Set with Parlour Lever	NYK-PRL	Oil Rubbed Bronze	Nostalgic Warehouse

<b>HARDWARE SET: 05</b>				
2 Openings: 105, 106				
Qty	Description	Product Code	Finish	Manufacturer
1	Privacy New York Plate Door Set with Parlour Lever	NYK-PRL	Oil Rubbed Bronze	Nostalgic Warehouse
1	Parallel, Regular & Top Jamb, Non-HO, Closer	8916 AF89P FC SN1	695 - Dark Bronze	Dorma

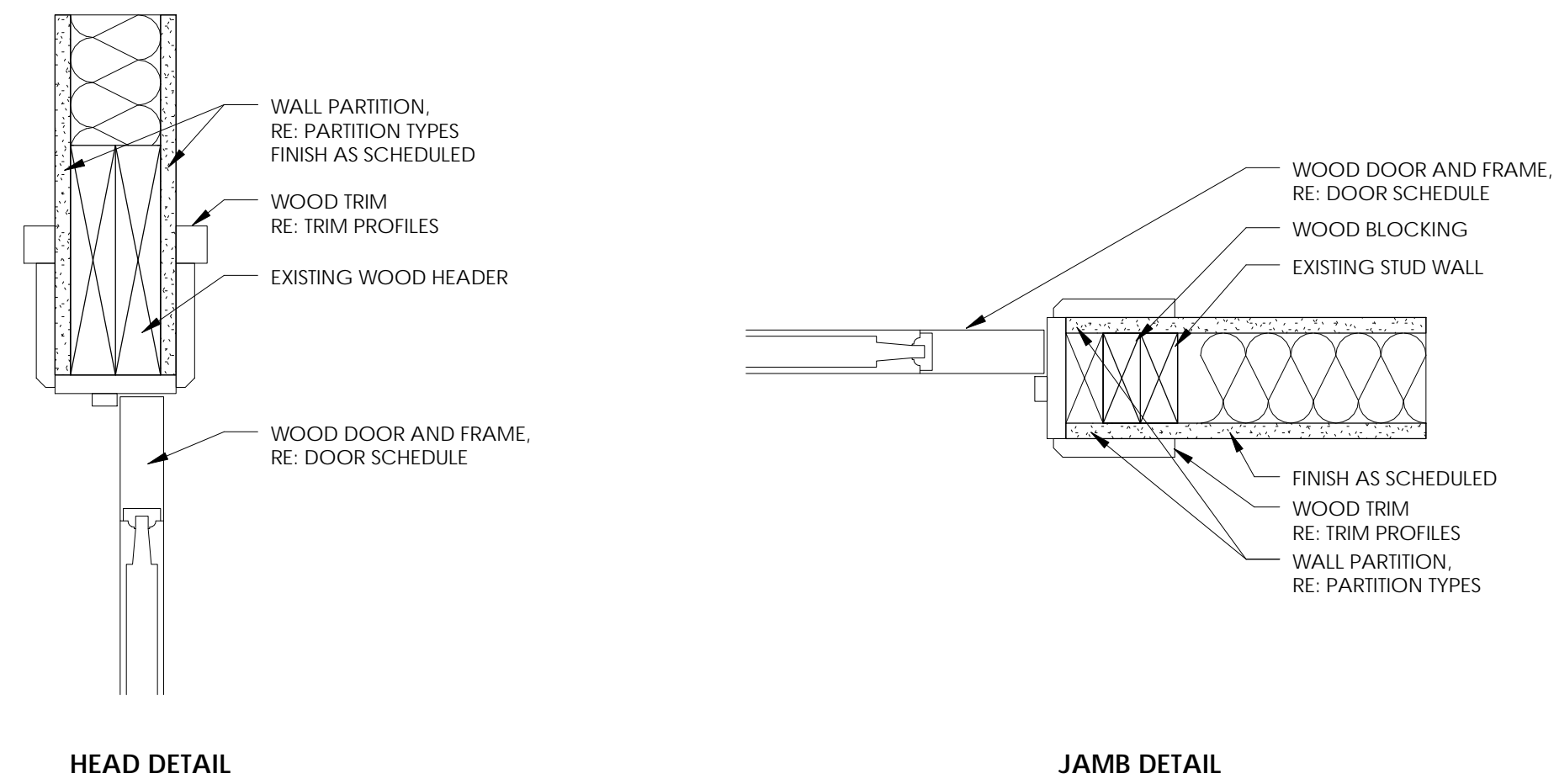
  

<b>HARDWARE SET: 06</b>				
1 Opening: 104				
Qty	Description	Product Code	Finish	Manufacturer
1	Single Deadbolt Quaker Entry Set with Mackenzie Lever	D06-K540J	Oil Rubbed Bronze	Brass Accents
1	Parallel, Regular & Top Jamb, Non-HO, Closer	8916 AF89P FC SN1	695 - Dark Bronze	Dorma
1	Door Top Weatherstrip	346PW	Painted White	Pemko
1	Door Bottom Sweep	3452PWV	Painted White	Pemko

<b>HARDWARE SET: 07</b>				
3 Openings: 201, 202, 203 (Add Alt. #1)				
Qty	Description	Product Code	Finish	Manufacturer
1	Privacy New York Plate Door Set with Waldorf Crystal Knobs	NYK-WAL	Oil Rubbed Bronze	Nostalgic Warehouse

NOTE: ALL HINGES TO BE SUPPLIED BY DOOR MANUFACTURER IN US10B OIL-RUBBED BRONZE.

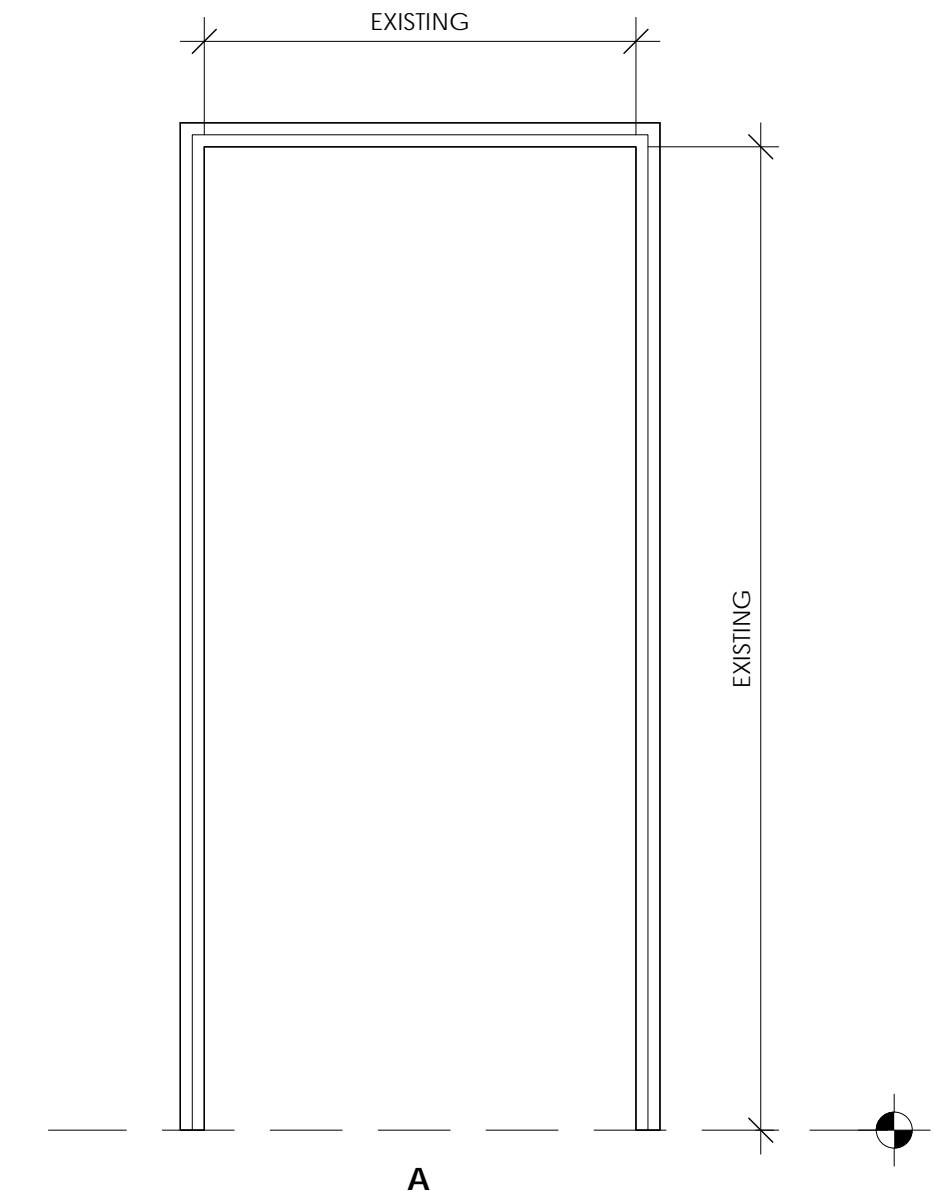


## 1 HEAD AND JAMB DETAILS

1 1/2" = 1'-0"

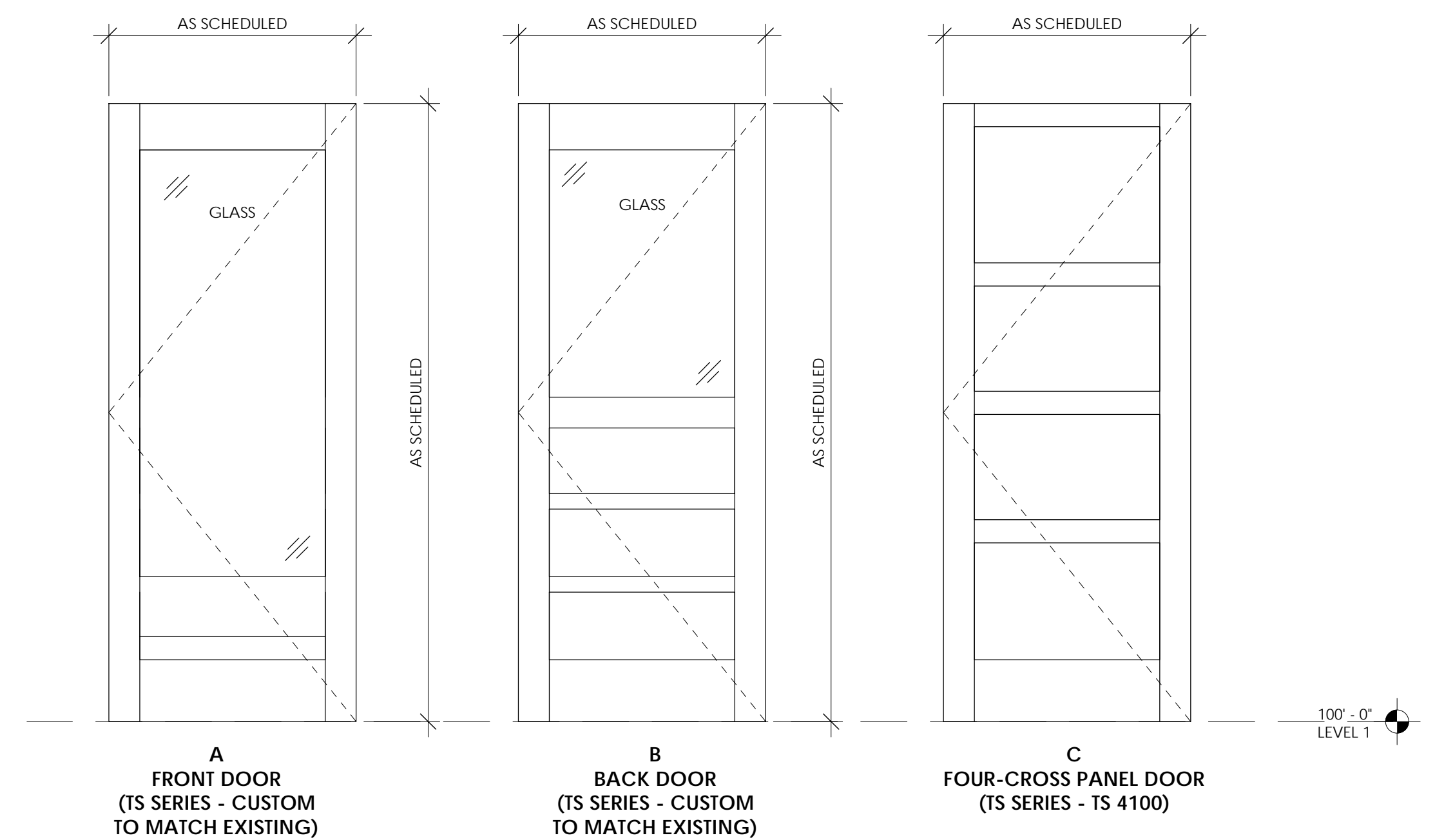
DOOR SCHEDULE							
#	WIDTH	HEIGHT	ELEVATION	FRAME TYPE	HWD SET NO.	KEYING	NOTES
102	2'-11"	6'-6"	A	A	01	A	EXTERIOR
103	2'-8"	6'-8"	C	A	04	B	3/4" UNDERCUT
104	2'-8"	6'-8"	B	A	06	A	EXTERIOR. CONFIRM CLEAR OPENINGS MEET ADA REQUIREMENTS
105	3'-0"	6'-8"	C	A	05		CONFIRM CLEAR OPENINGS MEET ADA REQUIREMENTS
106	3'-0"	6'-8"	C	A	05		CONFIRM CLEAR OPENINGS MEET ADA REQUIREMENTS
107	2'-8"	6'-8"	C	A	03		
108	2'-6"	6'-4"	C	A	02	C	EXTERIOR
201	2'-6"	6'-8"	C	A	07		
202	2'-6"	6'-8"	C	A	07		
203	2'-6"	6'-8"	C	A	RE: NOTES	RE: NOTES	HWD SET NO. 07 FOR ADD ALT. #1. KEYING D & HWD SET NO. 04 FOR BASE BID

NOTES:  
1. FIELD VERIFY DIMENSIONS OF ALL EXISTING OPENINGS PRIOR TO ORDERING NEW DOORS.



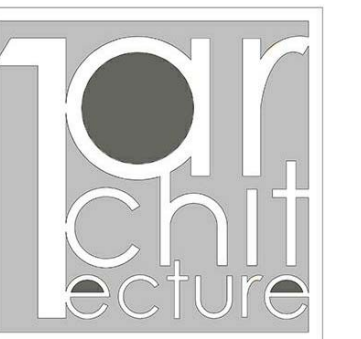
## FRAME TYPE

3/4" = 1'-0"



## DOOR TYPES

3/4" = 1'-0"



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DRAWN FOR:

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RESTORATION**  
ROSE, OK

NO.	REVISION	DATE

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1408-018  
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BID SET  
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GS/MV  
CHECKED BY:  
ML

## DOOR SCHEDULE AND DETAILS

# A600

C:\Users\grace.smith\Documents\Saline Courthouse\_grace.smith.rvt

# APPLIED FINISH LEGEND

## PAINT (EXTERIOR)

**XP-A** WOOD SIDING, EXTERIOR DOORS, EXTERIOR DOORS, UNFINISHED HANDRAILS  
 MFR: BEHR  
 PRODUCT: AS SUITED FOR SUBSTRATE  
 COLOR: SNOWY PINE PPU10-13  
 FINISH: GLOSS FOR DOORS

**XP-1** WOOD SIDING, EXTERIOR DOORS, UNFINISHED HANDRAILS  
 MFR: BEHR  
 PRODUCT: AS SUITED FOR SUBSTRATE  
 COLOR: MATCH EXISTING EXTERIOR WOOD SIDING  
 FINISH: MATCH EXISTING

**XP-C** DECK COATING  
 MFR: BEHR  
 PRODUCT: PREMIUM DECKOVER  
 COLOR: WHITE METAL N520-1

## STAIR RAIL (EXTERIOR)

**SR-1** ENTRY STAIR  
 MFR: WESTBURY ALUMINUM RAILING  
 STYLE: TUSCANY STAIR RAIL  
 ITEM #: DECKSDIRECT 6293  
 COLOR: WHITE FINE TEXTURE  
 HEIGHT: 36"  
 LENGTH: 8'

## DOUBLE-HUNG WOOD WINDOW

ADD ALTERNATE: REPLACEMENT OF ALL WINDOWS, INTERIOR TRIM AND EXTERIOR TRIM  
 FINISH: ARCHITECT TO SELECT FROM MANUFACTURER'S FULL RANGE  
 HANDLES: CHESTNUT BRONZE  
 SASHLOCKS: WHITE  
 GRILLE: NONE  
 GLASS: LOW-E  
 MANUFACTURER: JELD-WEN OR APPROVED EQUAL  
 MODEL: W-2500 WOOD DOUBLE-HUNG WINDOW; TRADITIONAL EXTERIOR AND INTERIOR MODEL

## FLUSH WOOD DOORS (EXTERIOR)

CORE: COMPOSITE  
 HORIZONTAL EDGES: SOLID WOOD  
 FINISH: TO MATCH XP-1 AND PT-1  
 MANUFACTURER: TRUSTILE  
 NOTE: RE: DOOR TYPES FOR MODEL NUMBERS, PROVIDE EXTERIOR GRADE WOOD DOORS WITH POLYURETHANE SEALANT AND INSULATED GLASS.

## FLUSH WOOD DOORS (INTERIOR)

CORE: COMPOSITE  
 HORIZONTAL EDGES: SOLID WOOD  
 FINISH: TO MATCH PT-1  
 MANUFACTURER: TRUSTILE  
 NOTE: RE: DOOR TYPES FOR MODEL NUMBERS

## WOOD PROTECTIVE FINISH

**WS-1** EXTERIOR FLOOR, STAIRS, AND RAILING  
 MANUFACTURER: DURASEAL  
 PRODUCT: 450 VOC POLYURETHANE  
 GLOSS: SATIN  
 COATS: 2  
 NOTES: USE PASTE OR LIQUID WAX FOR RAILINGS AS RECOMMENDED BY MANUFACTURER

**WS-1** INTERIOR FLOOR, STAIRS, AND RAILING  
 MANUFACTURER: MINWAX  
 PRODUCT: WOOD FINISH PENETRATING STAIN  
 COLOR: EARLY AMERICAN 230  
 COATS: 2

## PAINT (INTERIOR)

ALL PAINTS TO BE LOW VOC  
**PT-1** INTERIOR PAINT (WALLS, CEILING, DOORS, TRIM U.N.O.)  
 MFR: BEHR PREMIUM PLUS ULTRA  
 COLOR: POLAR BEAR 75  
 FINISH WALLS: EGG SHELL  
 FINISH DOORS & TRIM: SEMI-GLOSS  
 FINISH CEILINGS: FLAT

**PR-1** PRIMER  
 MFR: SHERWIN WILLIAMS  
 TYPE: HIGH BUILD LATEX PRIMER  
 COLOR: WHITE  
 PRODUCT #: B28W08601  
 RE: ROOM FINISH SCHEDULE NOTES

## WINDOW TREATMENT

**WT-1** RESTROOMS AND OFFICE  
 MANUFACTURER: LEVOLOR  
 PRODUCT: PREMIUM 2 1/2" WOOD BLIND  
 COLOR: PURE WHITE 12502321  
 VALANCE: CONTEMPORARY

## INSULATION

**BATT** INTERIOR WALLS  
 PRODUCT: GLASS-FIBER BLANKET  
 FACING: UNFACED OR PAPER FACED  
 THICKNESS: AS REQUIRED TO FILL FULL WALL CAVITY  
 SUSTAINABILITY: FORMALDEHYDE FREE

## TILE

**MARBLE TILE**  
**MT-1** RESTROOM FLOORING  
 MFR: MS INTERNATIONAL  
 STYLE: FLORITA  
 SIZE: 13" x 13" MARBLE MOSAIC  
 EPOXY GROUT: 19 PEARL GRAY

**MT-B**  
 MFR: DAL TILE  
 COLOR: MA83 NERO  
 STYLE: S-43F9 BULLNOSE  
 SIZE: 3" x 24" BASE  
 EPOXY GROUT: 19 PEARL GRAY

**MORTAR:** AS RECOMMENDED BY MANUFACTURER  
**GROUT:** WATER-CLEANABLE EPOXY

## SIGNAGE

**GENTLEMEN** ROOM #105  
 MANUFACTURER: YESTER HOME  
 MATERIAL: SOLID CAST ALUMINUM  
 COLOR: BLACK WITH WHITE LETTERING  
 SIZE: 10" x 2"

**LADIES** ROOM #106  
 MANUFACTURER: YESTER HOME  
 MATERIAL: SOLID CAST ALUMINUM  
 COLOR: BLACK WITH WHITE LETTERING  
 SIZE: 10" x 2"

**DISABILITY** ROOMS #105 AND #106  
 MANUFACTURER: YESTER HOME  
 MATERIAL: SOLID CAST ALUMINUM  
 COLOR: BLACK WITH WHITE LETTERING  
 SIZE: 4" x 3 1/2"  
 SHAPE: RECTANGLE

**TOILET** ROOM #203  
 MANUFACTURER: YESTER HOME  
 MATERIAL: SOLID CAST IRON  
 COLOR: BLACK WITH WHITE LETTERING  
 SIZE: 6 1/2" x 1 1/2"

**DOOR BADGES** ROOM #203  
 MANUFACTURER: YESTER HOME  
 MATERIAL: SOLID CAST IRON  
 COLOR: BLACK WITH WHITE LETTERING  
 SIZE: 3" DIAMETER  
 TYPE: MEN'S AND WOMEN'S  
 SHAPE: CIRCLE

**MAX. OCCUPANCY** ROOM #204  
 MANUFACTURER: YESTER HOME  
 MATERIAL: SOLID CAST IRON  
 COLOR: BLACK WITH WHITE LETTERING  
 SIZE: CUSTOM  
 TYPE: CUSTOM  
 SHAPE: CUSTOM

ROOM FINISH SCHEDULE						
#	ROOM NAME	FLOOR	BASE	WALLS	CEILING	
101	COURTROOM	WS-1	W	PT-1	PT-1	
102	WELCOME	WS-1	W	PT-1	PT-1	
103	OFFICE	WS-1	W	PT-1	PT-1	
104	MULTIPURPOSE	WS-1	W	PT-1	PT-1	
105	RESTROOM 1	MT-1	MT-B	PT-1	PT-1	
106	RESTROOM 2	MT-1	MT-B	PT-1	PT-1	
107	MFP CHASE	WS-1	-	PT-1	PT-1	
108	MECHANICAL	SC-1	W	PT-1	PT-1	
201	ROOM 1	WS-1	W	PT-1	PT-1	
202	ROOM 2	WS-1	W	PT-1	PT-1	
203	RESTROOM	WS-1	W	PT-1	PT-1	
203A	RESTROOM ALTERNATE	MT-1 (ADD ALT)	MT-B (ADD ALT)	PT-1	PT-1	
204	EXHIBIT	WS-1	W, WN	PT-1	PT-1	

NOTES:  
 1. REFER TO RCP AND PARTITION TYPES FOR WALL AND CEILING FINISH MATERIALS.  
 2. SEE SPECIFICATIONS FOR WOOD RESTORATION.  
 3. USE PR-1 AT ALL EXISTING WOOD SURFACES TO RECEIVE PT-1 AS THE FINAL FINISH.  
 WS-1 = EXISTING WOOD TO REMAIN. PATCH AND REPAIR TO MATCH EXISTING AS NEEDED.  
 W = EXISTING WOOD TO REMAIN. PATCH AND REPAIR TO MATCH EXISTING AS NEEDED PRIOR TO RE-FINISH.  
 WN = NEW WOOD TO MATCH EXISTING.  
 SC-1 = SEALED CONCRETE RE: SPECIFICATION SECTION 09 9723.

### INSULATION SCHEDULE

LOCATION	INSULATION TYPE	THICKNESS/R-VALUE	NOTES
ATTIC	BLOWN INSULATION	R-40	RE: SPECIFICATIONS
EXTERIOR WALLS	BLOWN INSULATION	FULL WALL CAVITY	RE: SPECIFICATIONS
INTERIOR WALLS	BATT INSULATION	FULL WALL CAVITY	RE: APPLIED FINISH LEGEND
CRAWL SPACE (ADD ALTERNATE)	FOAM BOARD AND BATT INSULATION	R-9	RE: SPECIFICATIONS (ADD ALTERNATE)

### SUBMITTAL SCHEDULE

ITEM	PRODUCT DATA	SHOP DRAWINGS	SAMPLES	OTHER	NOTES
PAINT (EXTERIOR & INTERIOR)			X		VERIFY COLOR MATCH
FLUSH WOOD DOORS	X	X			
WOOD STAIN	X		X		VERIFY COLOR ON EXISTING AND NEW WOOD
TILE	X		X		
PLUMBING FIXTURES	X				
LIGHTING FIXTURES	X				
DOOR HARDWARE	X				INCLUDE SCHEDULE
DOUBLE HUNG WINDOW (ADD ALT)	X	X	X		

1. AN 'X' INDICATES A REQUIRED ITEM TO BE SUBMITTED TO THE ARCHITECT.  
 2. REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIRED SUBMITTALS NOT LISTED ABOVE.

### SIGNAGE:

RE: APPLIED FINISH LEGEND ABOVE

ROOMS 105 & 106



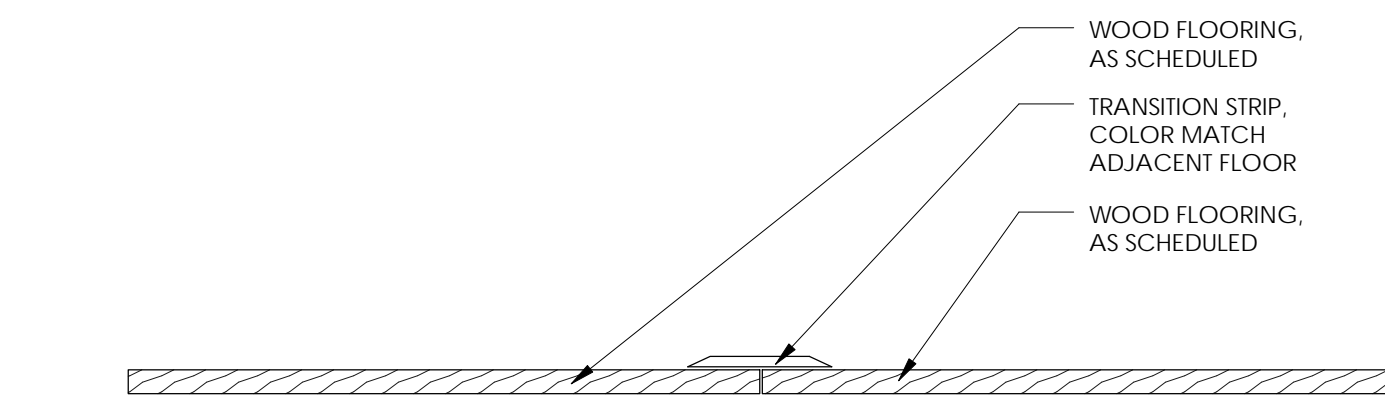
ROOM 203



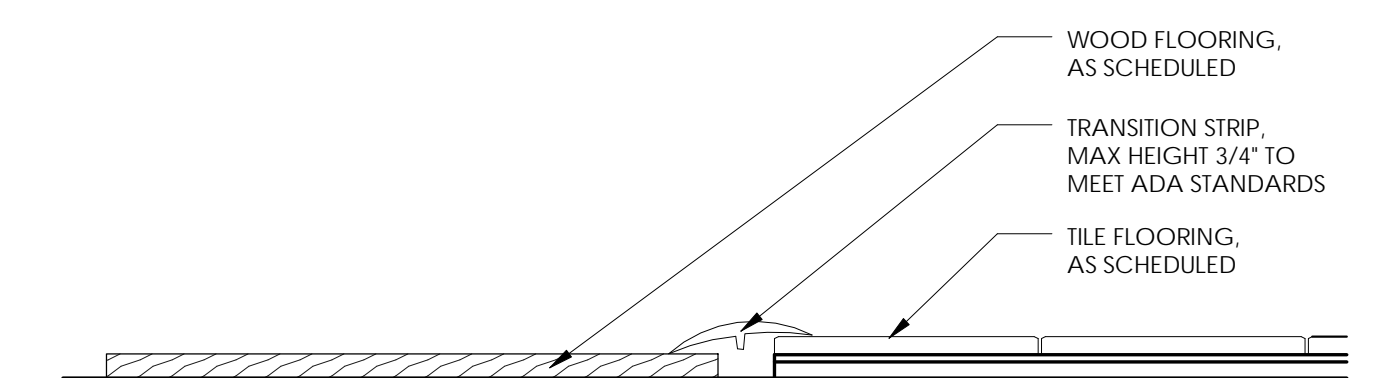
ROOM 204

CUSTOM SIGNAGE: TEXT TO BE "MAXIMUM OCCUPANCY: 49"

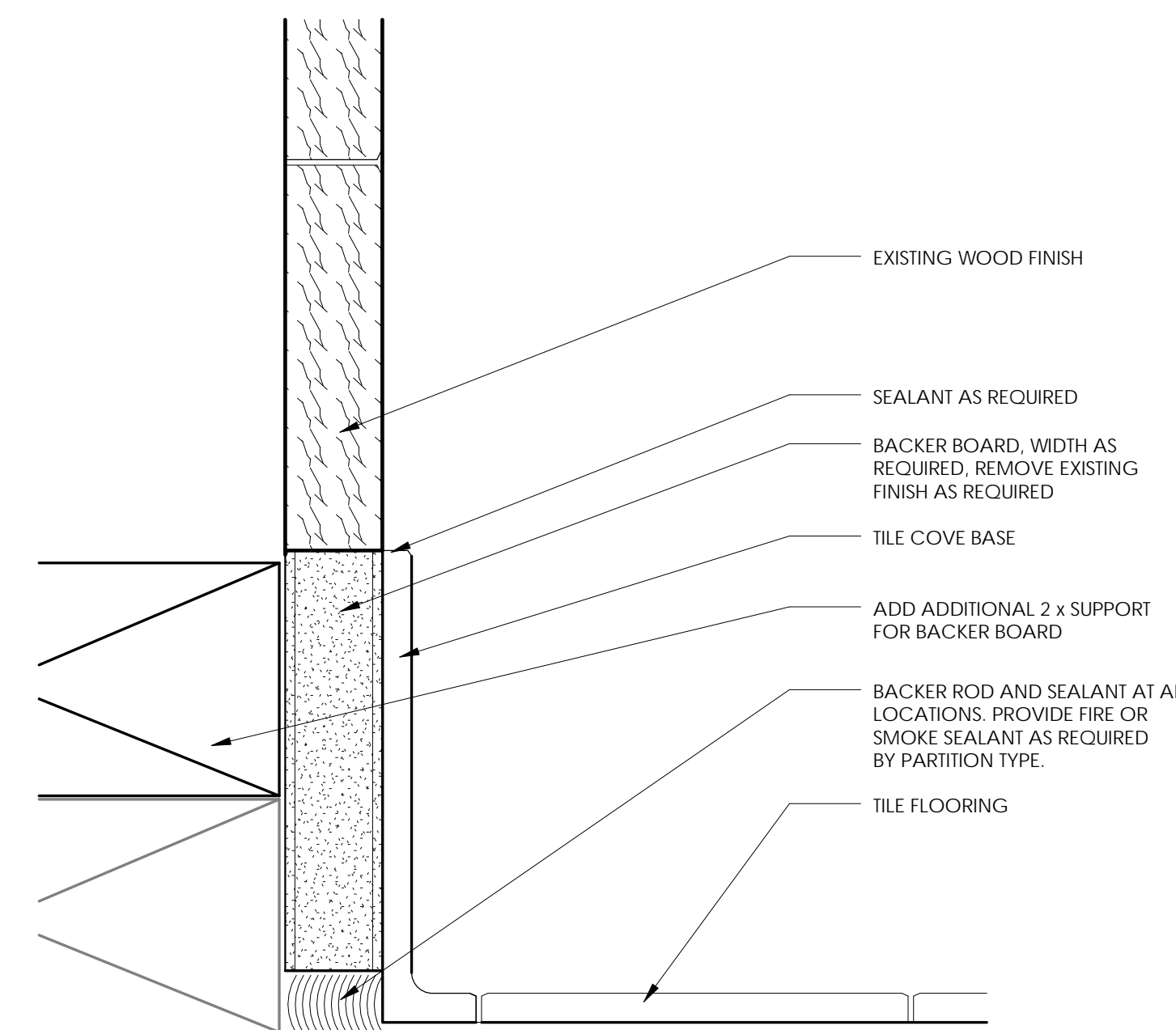
RE: LIFE SAFETY PLAN FOR LOCATION



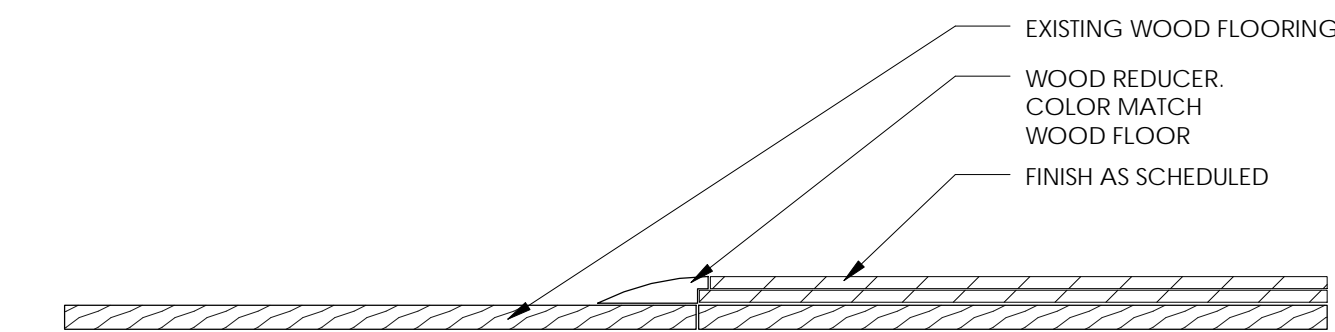
**4 WOOD TO WOOD**  
6" = 1'-0"



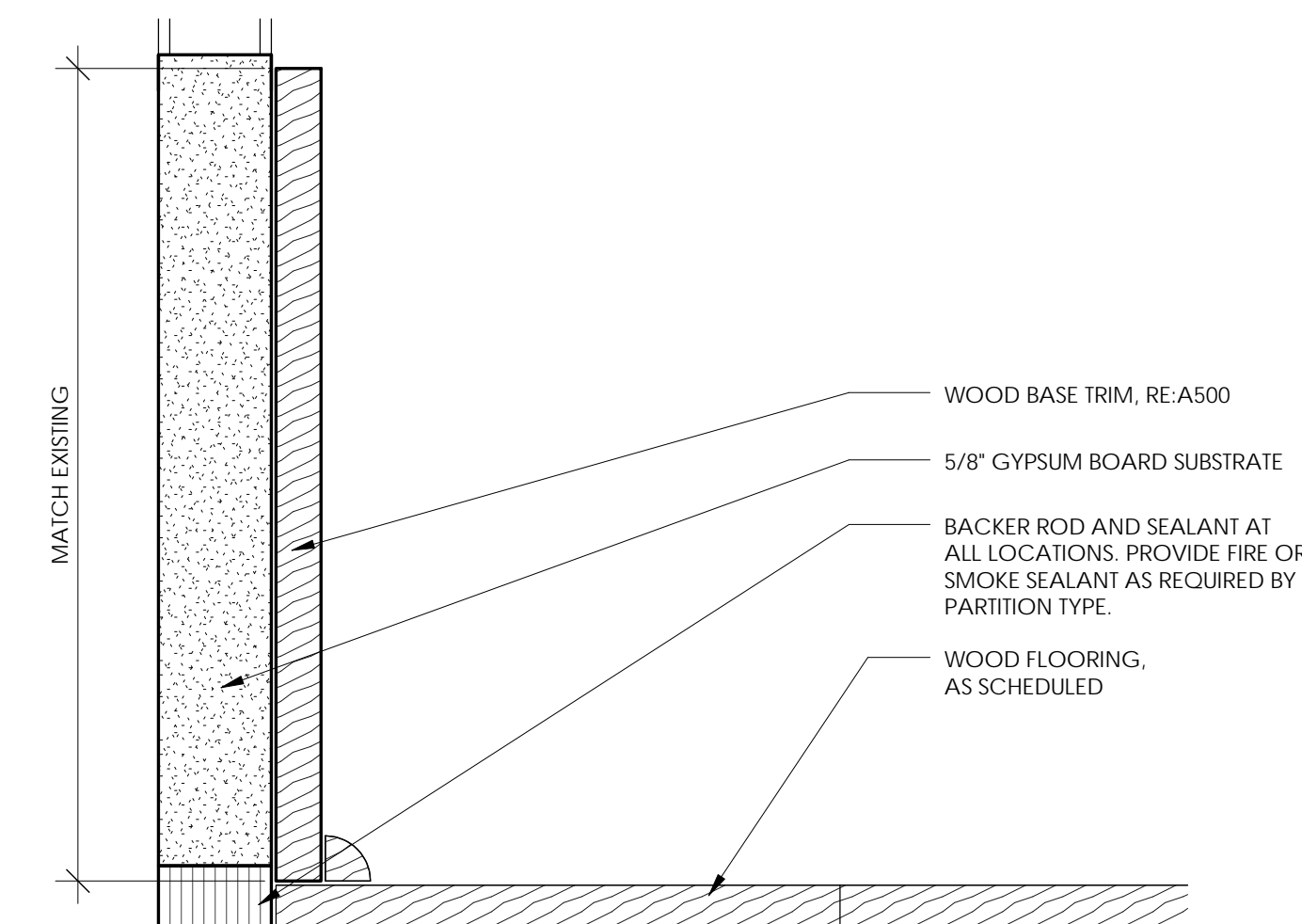
**3 WOOD TO TILE**  
6" = 1'-0"



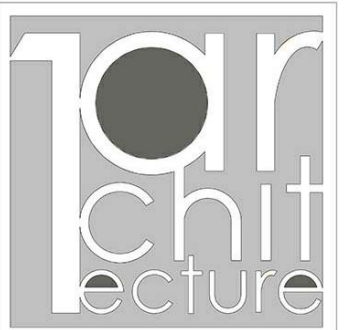
**2 TILE COVE BASE**  
12" = 1'-0"



**5 WOOD REDUCER TRANSITION**  
6" = 1'-0"



**1 WOOD BASE TRIM**  
12" = 1'-0"



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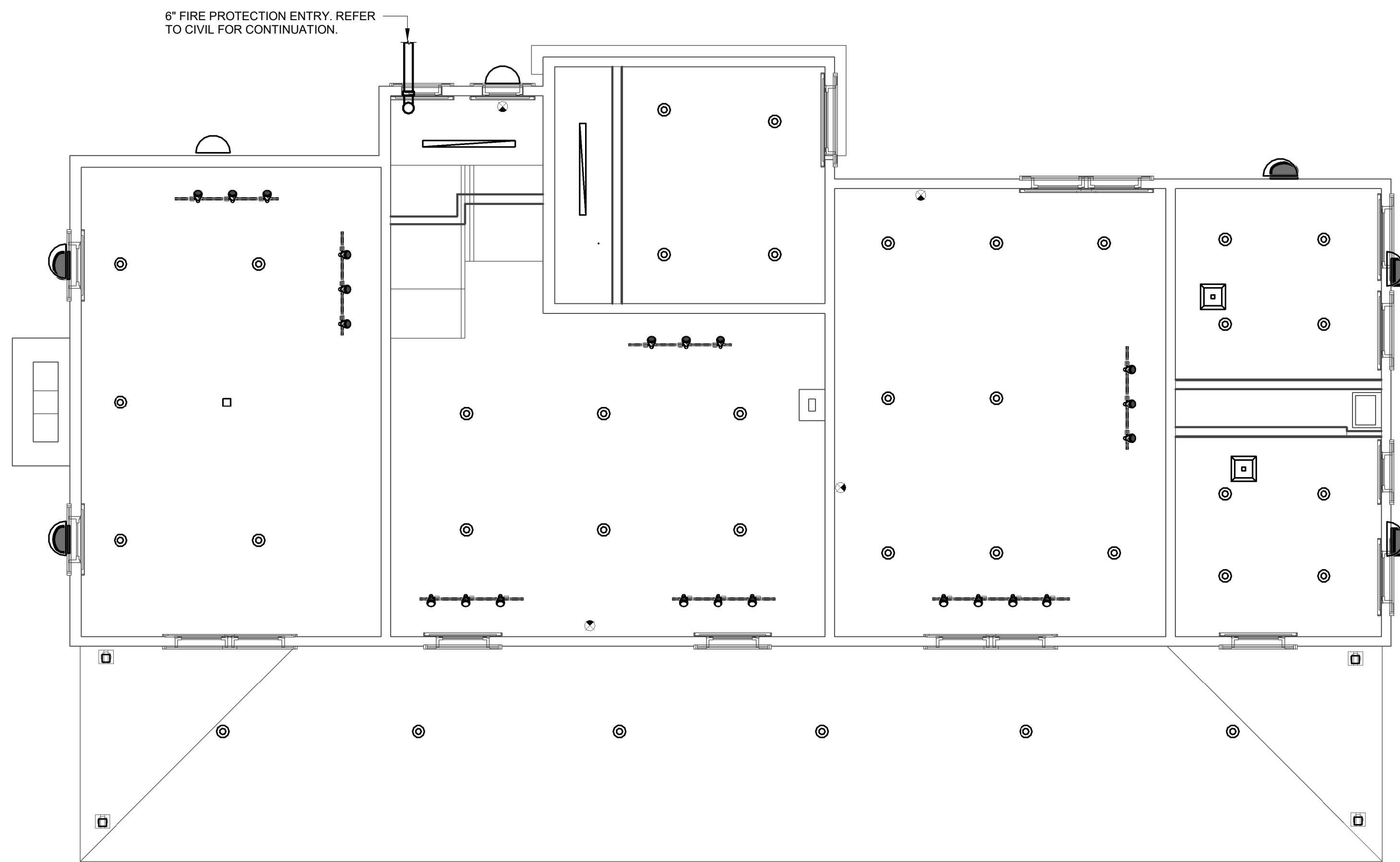
CHEROKEE NATION  
 SALINE COURTHOUSE  
 RESTORATION  
 ROSE, OK

NO.	REVISION	DATE

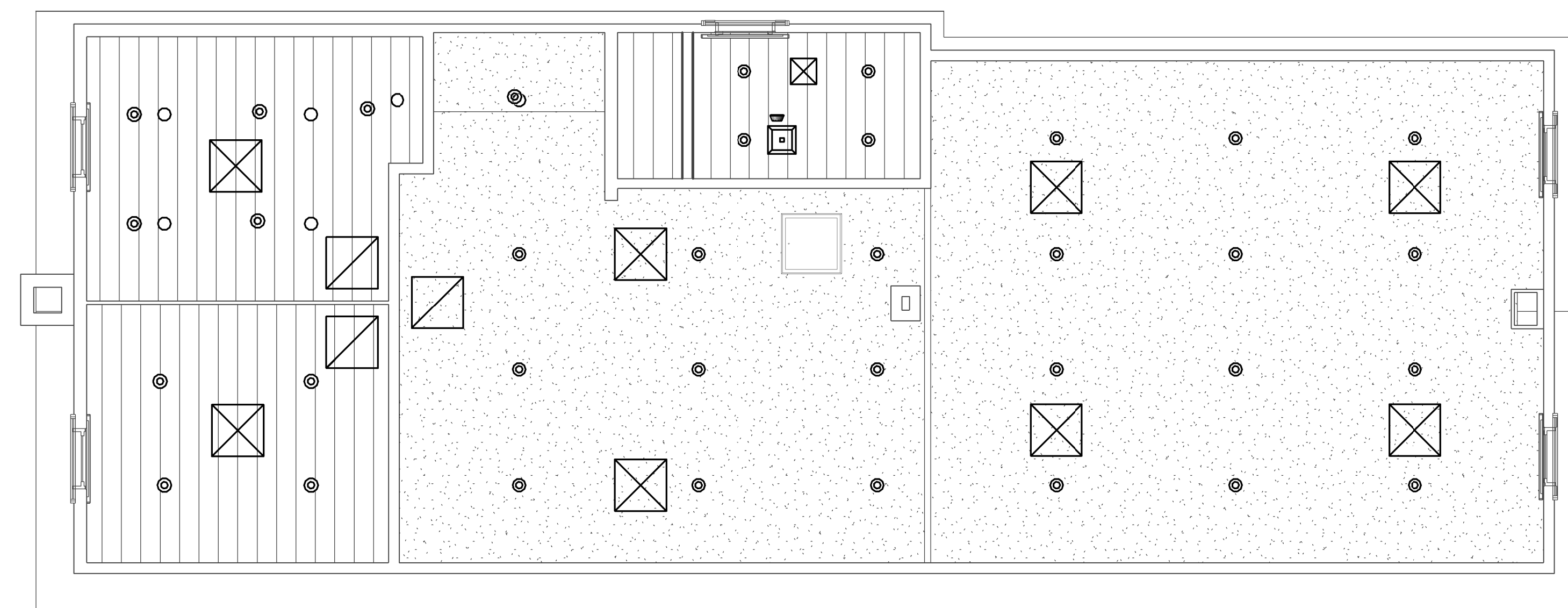
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 1408-018  
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 DATE:  
 02.23.18  
 DRAWN BY:  
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 ML  
 SHEET TITLE:

ROOM FINISH SCHEDULE & LEGEND

A601



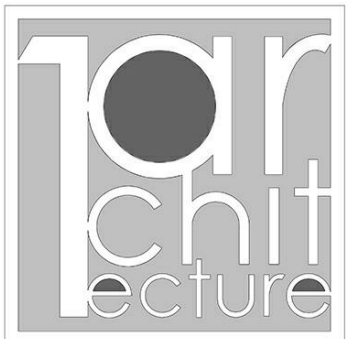
**1 1ST FLOOR REFLECTED CEILING PLAN**  
1/4" = 1'-0"



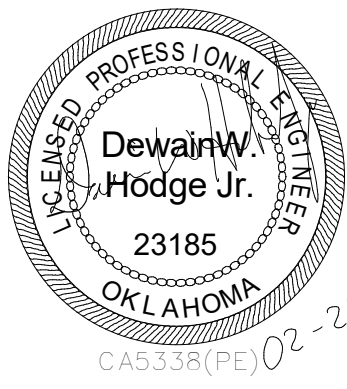
**2 2ND FLOOR REFLECTED CEILING PLAN**  
1/4" = 1'-0"

**FIRE SPRINKLER GENERAL NOTES**

1. RUN ALL PIPING PARALLEL OR PERPENDICULAR TO STRUCTURE IN ALL AREAS. SPRINKLER CONTRACTOR SHALL COORDINATE LOCATION OF HORIZONTAL SPRINKLER PIPING WITH OTHER TRADES TO MISS ALL LIGHT FIXTURES, DUCTS, VAV BOXES, AIR DIFFUSERS AND ALL OTHER ITEMS WHERE CEILING CLEARANCES ARE CLOSE.
2. DESIGN, FABRICATE, INSTALL THE FIRE PROTECTION AUTOMATIC SPRINKLER SYSTEM IN AN ACCEPTABLE MANNER TO THE STATE HEALTH DEPARTMENT, LOCAL FIRE MARSHALL AND THE ARCHITECT/ENGINEER.
3. PAY ALL PERMITS, LICENSES, FEES, DEPOSITS AND CHARGES IN CONNECTION WITH THE WORK, EXCEPT AS NOTED HEREIN. SECURE ALL NECESSARY APPROVALS.
4. DESIGN AND INSTALL THE SYSTEM PER THE REQUIREMENTS OF NFPA-13. ALL DEFICIENCIES SHALL BE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR AND ANY DEVIATIONS FROM THE REQUIREMENTS IN NFPA-13 AND/OR THE APPROVED PLANS SHALL REQUIRE SPECIAL PERMISSION FROM THE ARCHITECT.
5. COMPLY WITH ALL RULES, REGULATIONS, LAWS AND ORDINANCES OF THE STATE, LOCAL, CITY OR COUNTY AUTHORITIES AND UTILITY COMPANIES.
6. THE AUTOMATIC SPRINKLER SYSTEM SHALL BE DESIGNED, FABRICATED, INSTALLED AND TESTED BY AN EXPERIENCED CONTRACTOR APPROVED BY THE ARCHITECT AND LICENSED BY THE STATE TO PERFORM SUCH WORK.
7. SUBMIT SHOP DRAWINGS TO THE ARCHITECT AND THE OWNER'S INSURANCE COMPANY FOR APPROVAL. BEFORE BEING SENT TO THE ARCHITECT, ALL SHOP DRAWINGS MUST BEAR THE INSURANCE SERVICE OFFICES (ISO) STAMP OF ACCEPTANCE AND THE LOCAL AHJ STAMP OF APPROVAL.
8. SUBMIT COMPLETE LAYOUT DRAWING OF OVERHEAD SPRINKLER SYSTEM AND RELATED EQUIPMENT INDICATING RELATIONSHIP OF ALL THE OVERHEAD ITEMS INCLUDING CEILING AIR DIFFUSERS, LIGHTING FIXTURES, BEAMS AND ALL OTHER ITEMS. ALL SPRINKLER HEADS SHALL BE SPACED PER NFPA.
9. PROVIDE SPRINKLER HEAD(S) FOR EACH ROOM/SPACE FOR COMPLETE PROTECTION UNLESS NOTED OTHERWISE ON PLANS.
10. A CORROSIVE-RESISTANT PLACARD SHALL BE PLACED ON THE BASE OF THE RISER STATING THE DESIGN CRITERIA AND RESULTING DEMAND AT THE BASE OF THE RISER, INCLUDING HOSE STREAM ALLOWANCES. ALL PIPING, FITTINGS, HANGERS, VALVES, AND DEVICES ARE TO COMPLY WITH NFPA NO. 13.
11. PROVIDE FULLY RECESSED CONCEALED SPRINKLER HEADS IN ALL GYPSUM BOARD CEILINGS

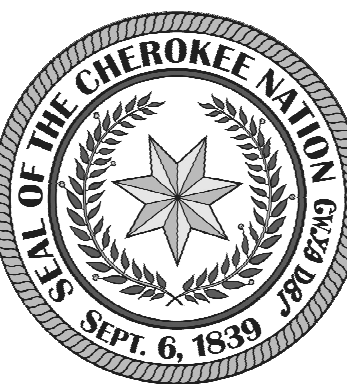


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CERTIFICATE OF AUTHORIZATION 5338  
RENEWAL DATE: 03/02/19  
HP ENGINEERING INC.  
16 South Lewis Ave  
TULSA, OKLAHOMA 74104  
(539) 664-4618

KEY PLAN:



DRAWN FOR:

**CHEROKEE NATION**

**SALINE COURTHOUSE RESTORATION**  
ROSE, OK

NO.	REVISION	DATE

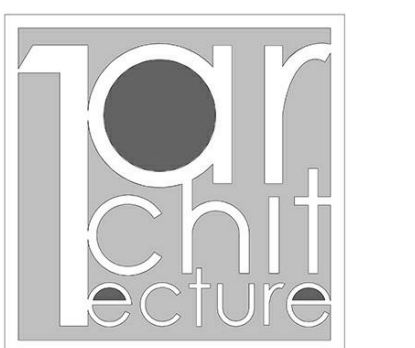
PROJECT NUMBER:  
1408-018  
ISSUE:  
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DATE:  
02.23.18  
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JVK  
SHEET TITLE:

**FIRE PROTECTION REFLECTED CEILING PLAN**

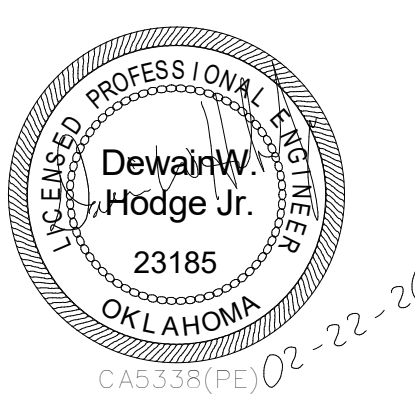
**FP001**

PLUMBING LEGEND			
LINE TYPE / SYMBOL	DESCRIPTION	LINE TYPE / SYMBOL	DESCRIPTION
—SS—	SANITARY SEWER	D.F.U	DRAIN FIXTURE UNITS
—GW—	GREASE WASTE	B.F.F	BELOW FINISHED FLOOR
—V—	VENT	A.F.F	ABOVE FINISHED FLOOR
—DCW—	DOMESTIC COLD WATER	GPM	GALLONS PER MINUTE
—DHW—	DOMESTIC HOT WATER	F.L	FLOW LINE INVERT
—DHWR—	DOMESTIC HOT WATER RETURN	□	FLOOR DRAIN (FD-1)
—G—	LOW PRESSURE GAS	— —	FROST PROOF WALL HYDRANT (FPWH-1)
—MPG—	MEDIUM PRESSURE GAS	—+—	HOSE BIBB (HB-1)
—RD—	ROOF DRAIN	—J—	LINE CAP
—ORD—	OVERFLOW ROOF DRAIN	⊙	FLOOR CLEANOUT (FCO-1) / FINISHED GRADE CLEANOUT (FGCO-1)
—FL—	FIRE LINE	—G —	WALL CLEAN OUT (WCO-1) / STACK CLEAN OUT (SCO-1)
— — —	UNION	—X—	VALVE
		— —	VALVE IN RISER

- PLUMBING GENERAL NOTES**
1. THE ENTIRE PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH THE CURRENT INTERNATIONAL PLUMBING CODE, AND ALL OTHER GOVERNING STATE AND LOCAL CODES, STATUTES, REGULATIONS, AND REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
  2. THE PIPING INDICATED ON THESE PLANS IS DIAGRAMMATICAL. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE ANY NECESSARY OFFSETS, REROUTING, TEES, ELBOWS, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.
  3. THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES RELATED TO PERMITTING, INSPECTION, TAP-ON FEES, ETC.
  4. THE CONTRACTOR SHALL COORDINATE ANY PLUMBING OR PIPING SYSTEM SHUTDOWN WITH THE OWNER A MINIMUM 48 HOURS IN ADVANCE.
  5. ALL DOMESTIC WATER, VENT, AND NATURAL GAS PIPING SHOWN IS ABOVE CEILING, EXPOSED OVERHEAD, OR WITHIN WALLS UNLESS NOTED OTHERWISE.
  6. ALL SANITARY SEWER AND OTHER WASTE PIPING SHOWN IS BELOW SLAB, BELOW FLOOR, OR WITHIN WALLS UNLESS NOTED OTHERWISE.
  7. INSTALL WATER HAMMER ARRESTORS APPROVED FOR SEALED-WALL INSTALLATION ON WATER LINES CONNECTED TO SOLENOID VALVES OR FLUSH VALVES. SIZE, LOCATE, AND INSTALL IN ACCORDANCE WITH PDI STANDARD WH201.
  8. INSTALL ISOLATION VALVES IN PIPING CONNECTION TO EACH INDIVIDUAL FIXTURE, PIECE OF EQUIPMENT, AND FIXTURE GROUPS.
  9. REFER TO PLUMBING DETAILS FOR INSTALLATION, MOUNTING, SUPPORT, AND PIPING CONNECTION INFORMATION NOT INDICATED ON FLOORPLANS.
  10. INSTALL FROST PROOF HOSE BIBB SUPPLY PIPING ON THE INSIDE OF BUILDING INSULATION BARRIER. SEAL SHEATHING PENETRATION AIR AND WATER TIGHT.
  11. MOUNT FLUSH CONTROLS FOR HANDICAPPED WATER CLOSETS ON THE OPEN SIDE OF THE TOILET AREAS.
  12. ALL PIPING PENETRATIONS THROUGH WALLS OR FLOORS SHALL BE SEALED EQUAL TO THE RATING OF THE WALL OR FLOOR.
  13. CLEAN AND DISINFECT THE DOMESTIC WATER SYSTEM IN ACCORDANCE WITH SPECIFICATIONS AND LOCAL CODE AND HEALTH DEPARTMENT REQUIREMENTS.
  14. TEST ALL PIPING SYSTEMS IN ACCORDANCE WITH SPECIFICATIONS AND AS REQUIRED BY LOCAL CODE AND AUTHORITY HAVING JURISDICTION.
  15. MAINTAIN 10 FEET MINIMUM SEPARATION BETWEEN DOMESTIC WATER AND SANITARY SEWER LINES LOCATED OUTSIDE OF BUILDING FOOTING.
  16. ALL VENTS THRU ROOF (VTR) PENETRATIONS INDICATED ARE DIAGRAMMATIC. COORDINATE EXACT LOCATIONS WITH ALL TRADES. MAINTAIN 10'-FEET CLEARANCE BETWEEN VTR'S AND ALL FRESH AIR INTAKES AND BUILDING OPENINGS.
  17. ANY PVC PIPE PENETRATIONS OF FIRE RATED ASSEMBLIES SHOULD BE EXTERNALLY SLEEVED WITH STEEL, FERROUS, OR COPPER MATERIALS, SECURELY FASTENED TO THE FIRE RATED ASSEMBLY, AND ANY SPACE BETWEEN THE SLEEVE AND THE ASSEMBLY PENETRATED SHALL BE PROTECTED USING MATERIAL THAT CONFORMS TO ASTM E 814 OR UL 1479, SUCH AS FIRE STOP FS-1900 OR FLAME STOPPER 5000.

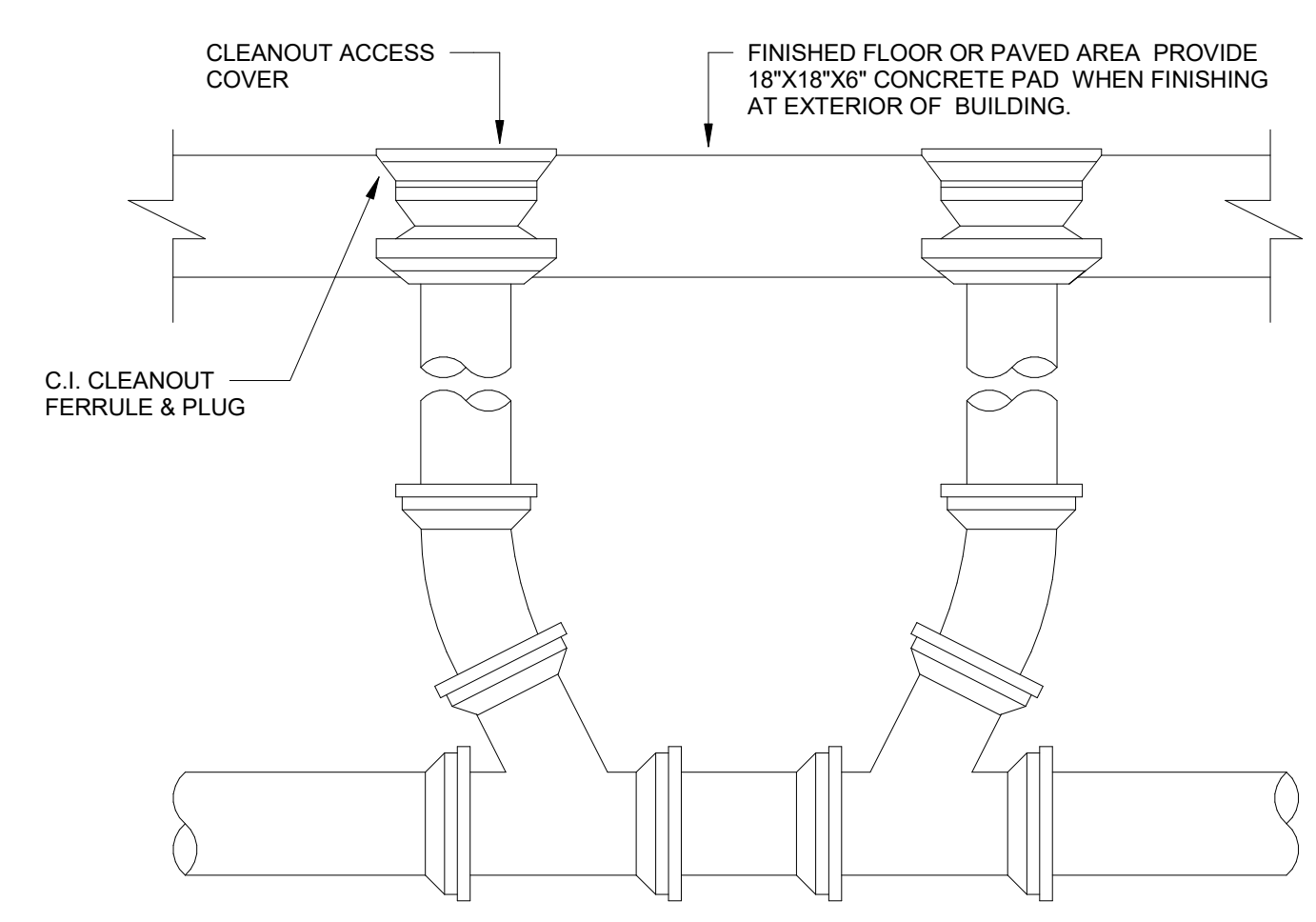


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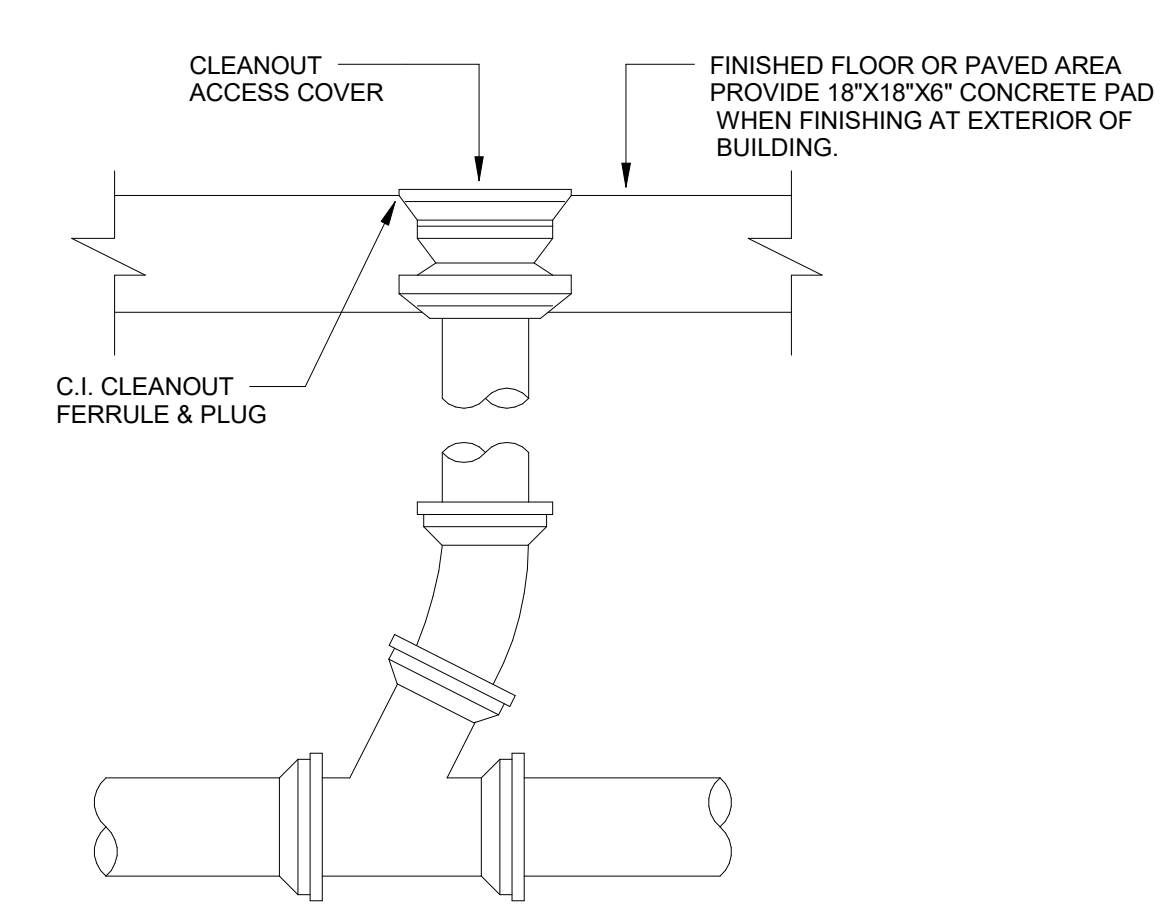


CERTIFICATE OF AUTHORIZATION 5338  
RENEWAL DATE: 03/02/19  
HP ENGINEERING INC.  
16 South Lewis Ave  
Tulsa, Oklahoma 74104  
(539) 664-4818

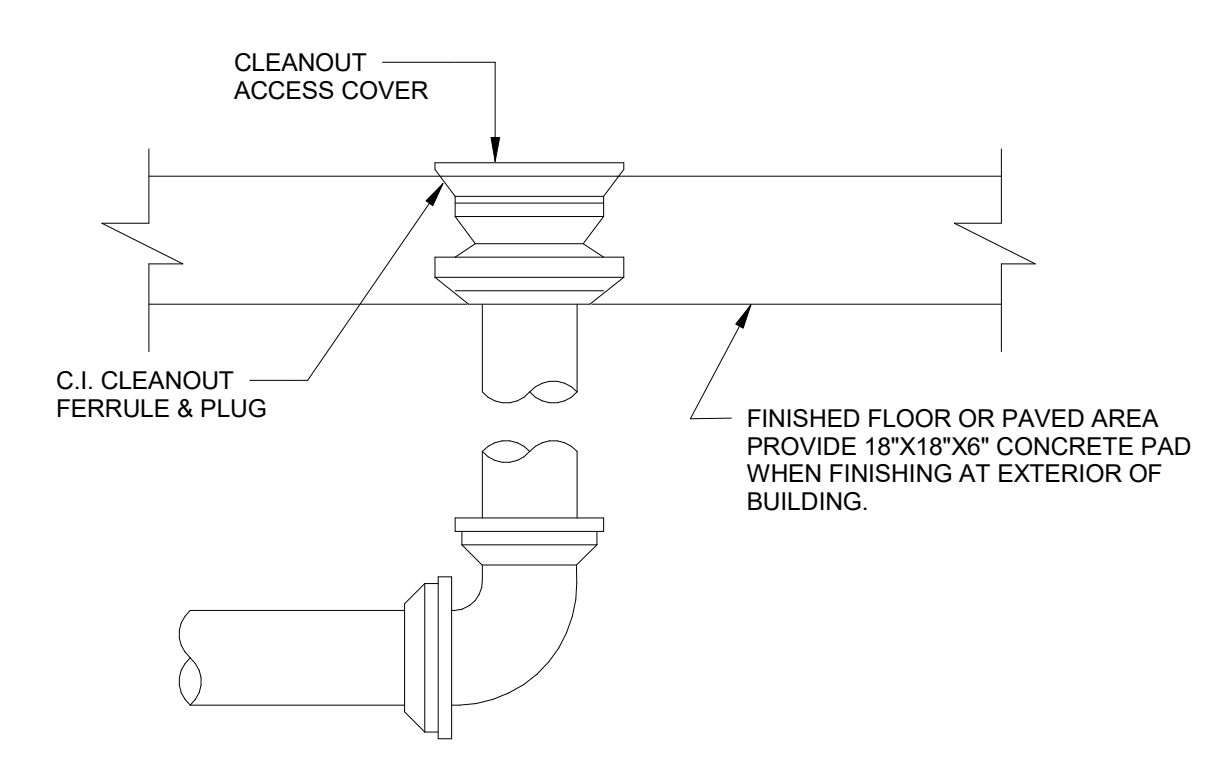
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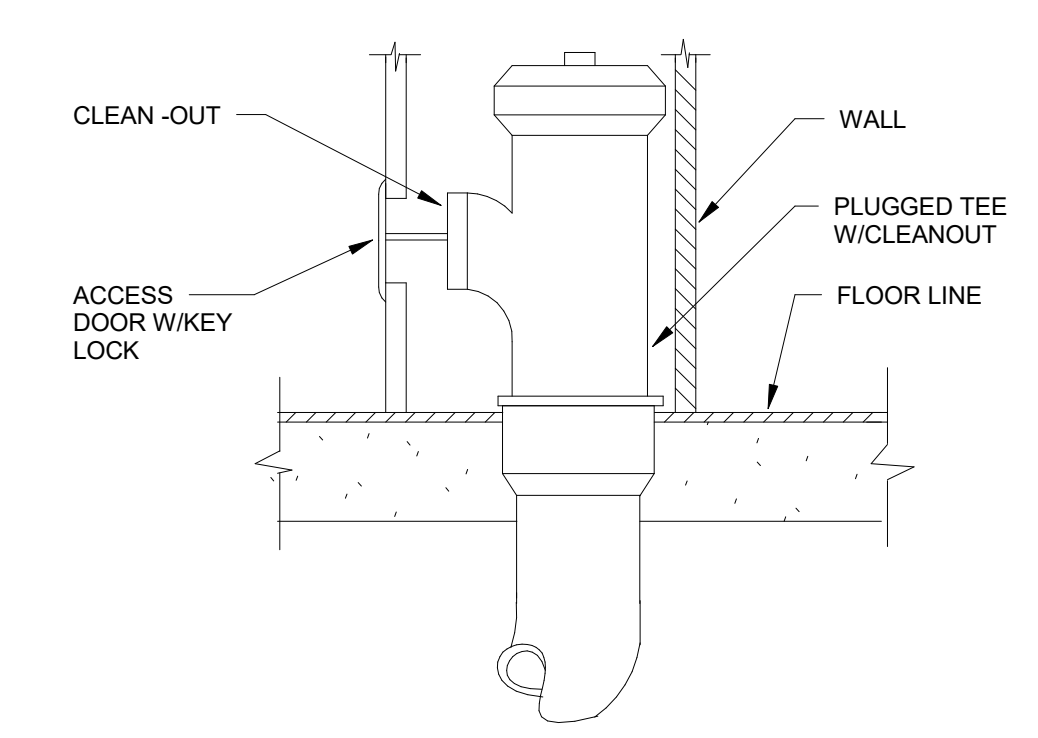
**1 TWO-WAY CLEANOUT**  
N.T.S.



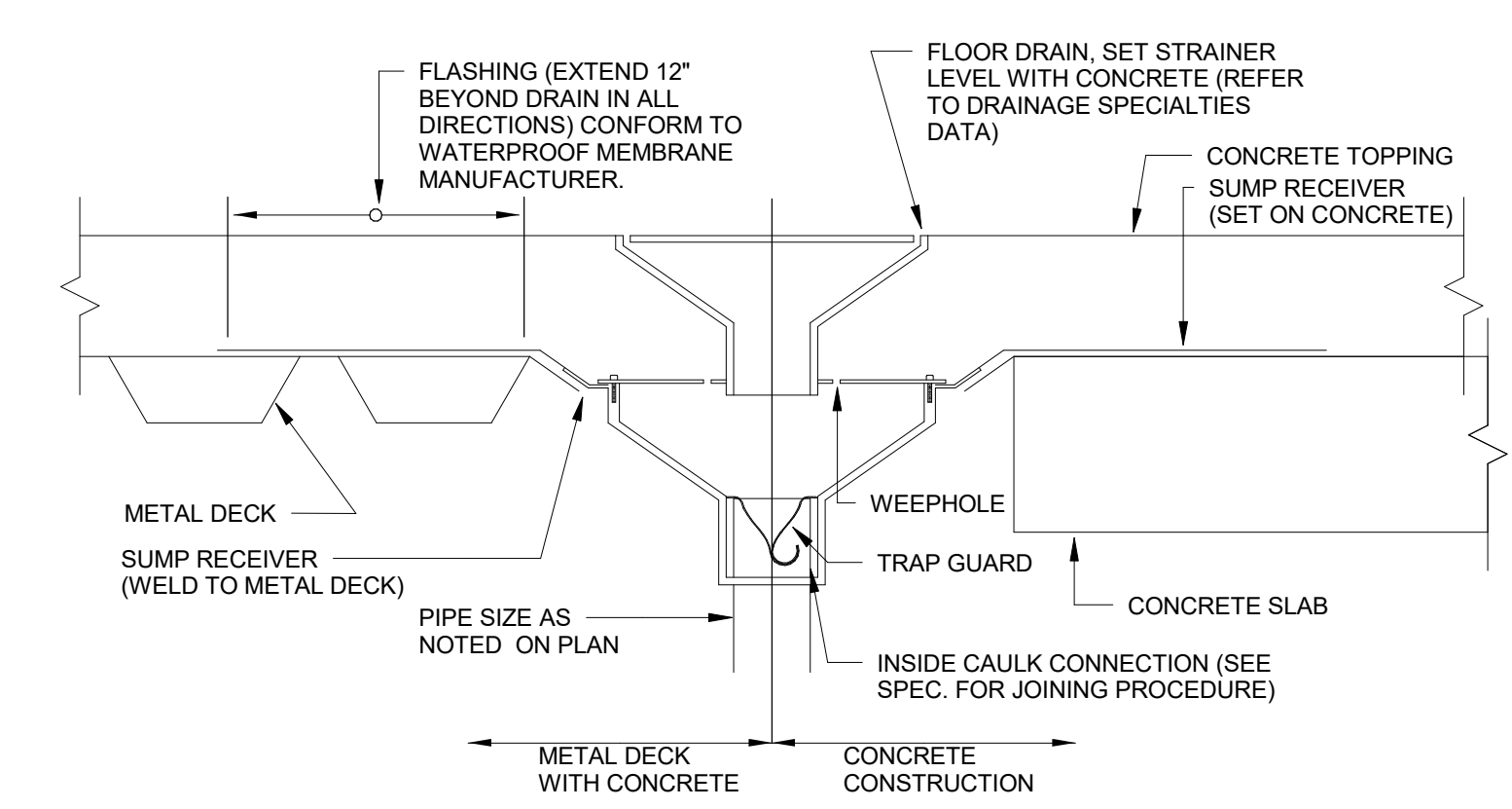
**2 FLOOR CLEANOUT**  
N.T.S.



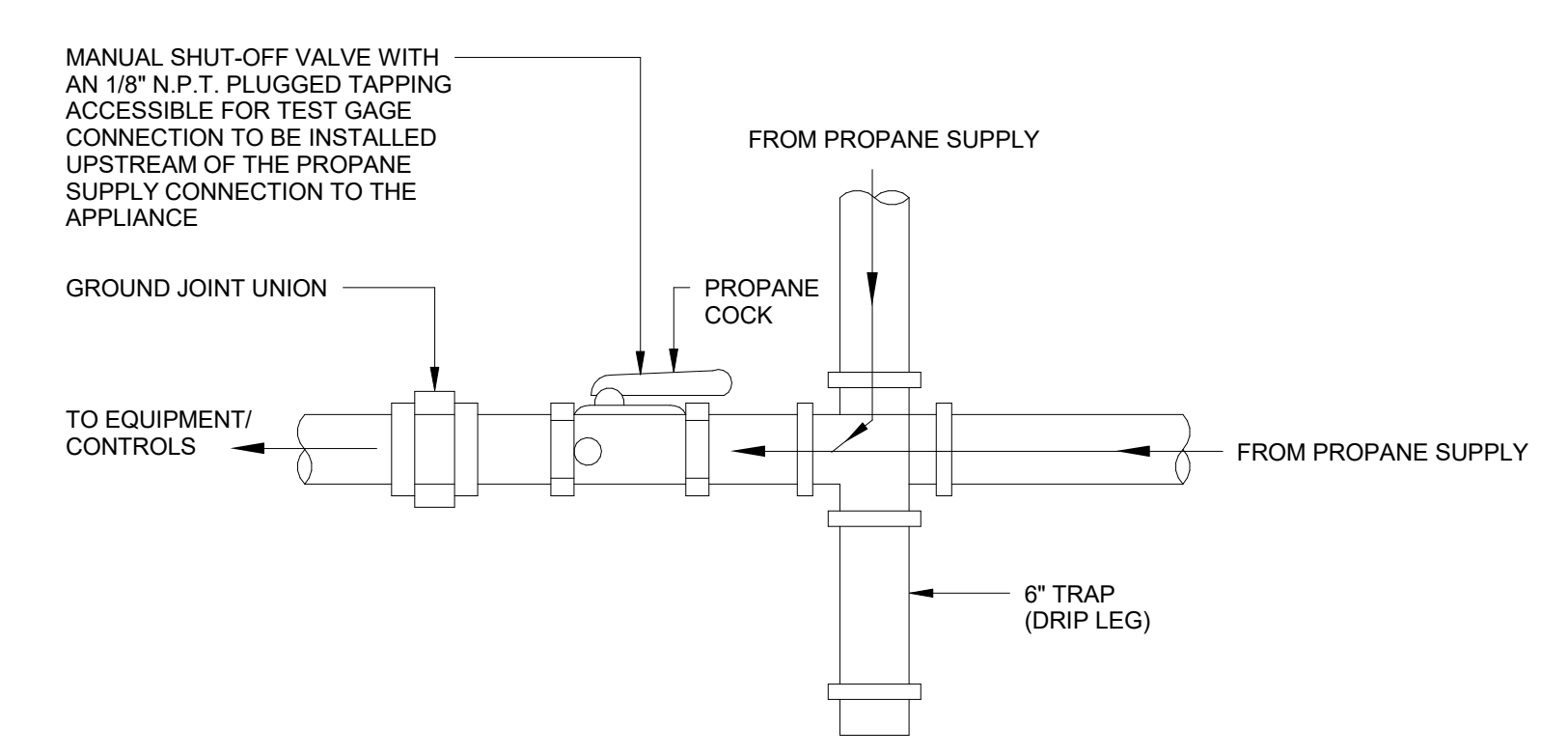
**3 CLEANOUT TO GRADE DETAIL**  
SCALE: N.T.S.



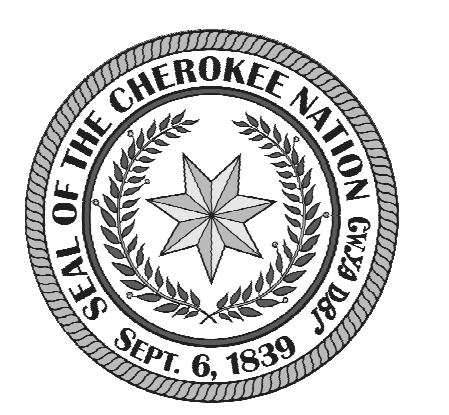
**4 WALL-STACK CLEANOUT**  
N.T.S.



**5 FLOOR DRAIN**  
N.T.S.



**6 PROPANE CONNECTION TO EQUIPMENT**  
SCALE: N.T.S.



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**CHEROKEE NATION**  
**SALINE COURTHOUSE RESTORATION**  
ROSE, OK

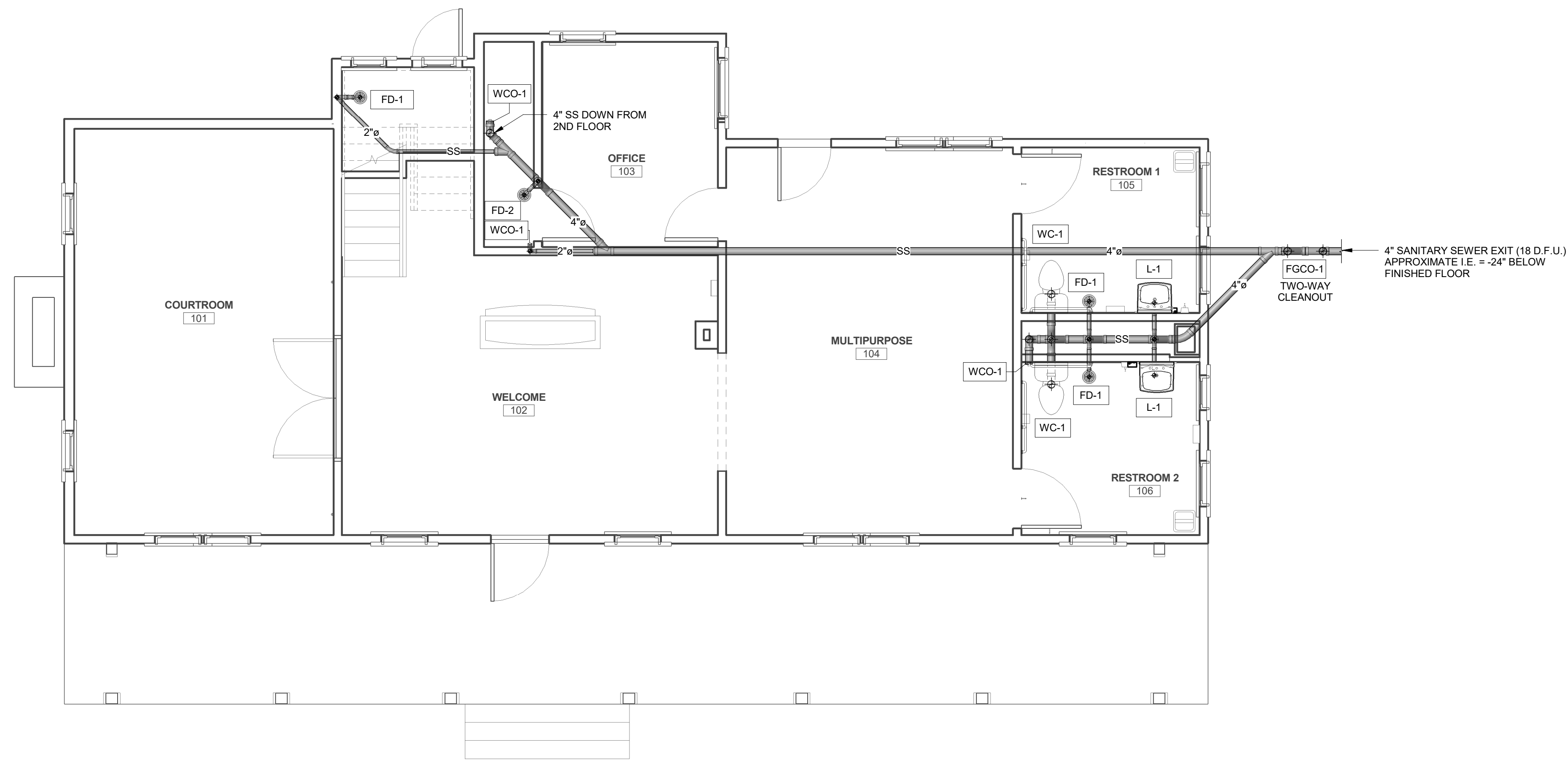
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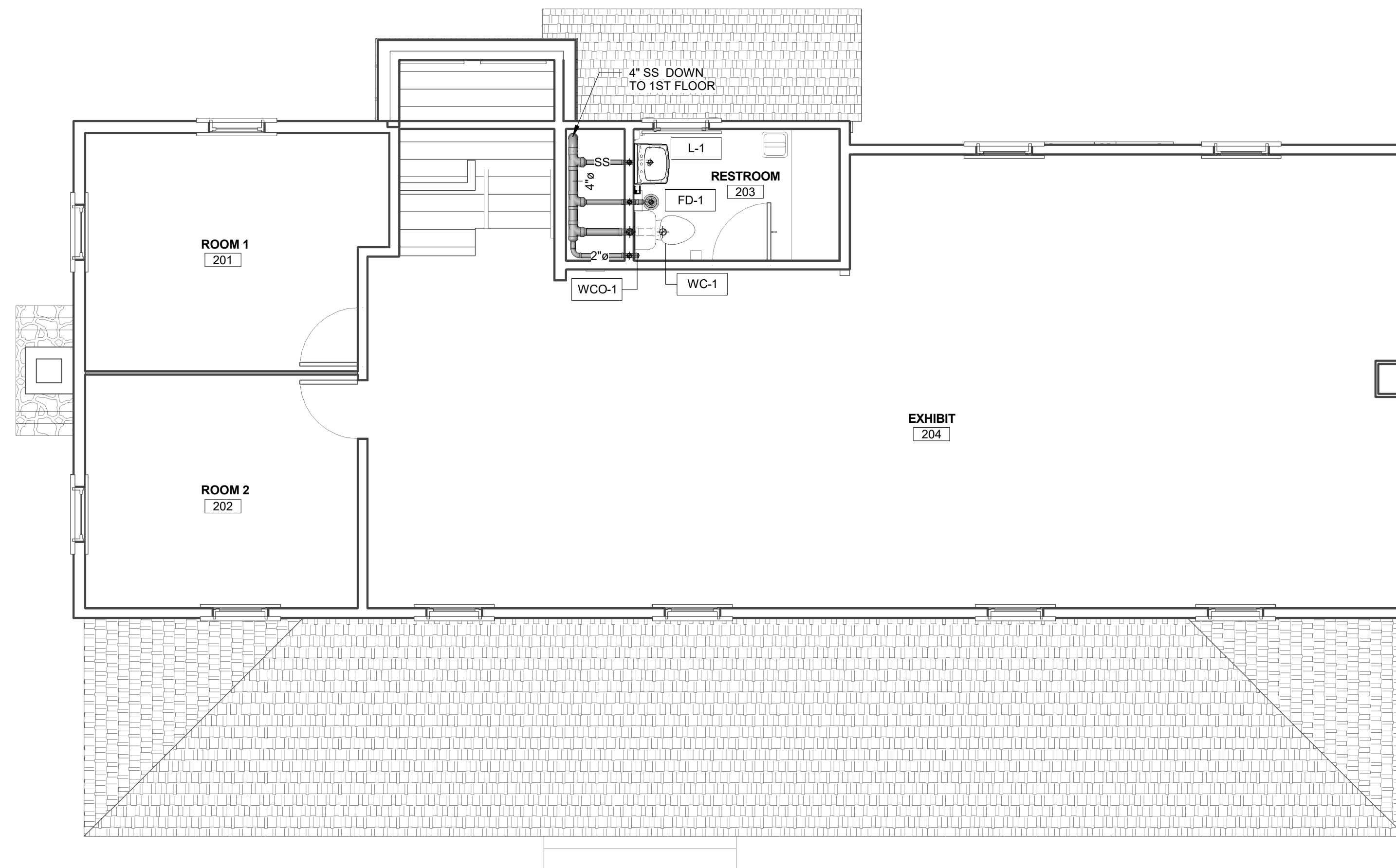
**PLUMBING NOTES AND DETAILS**

**P001**

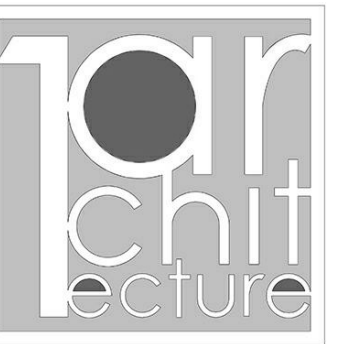
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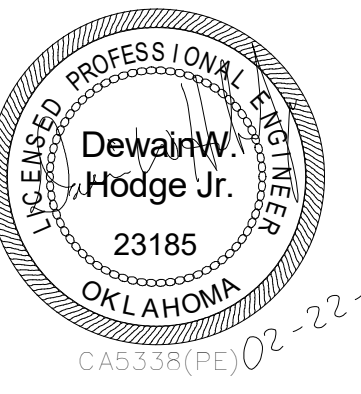
**1** PLUMBING WASTE AND VENT PLAN - 1ST FLOOR  
1/4" = 1'-0"



**2** PLUMBING WASTE AND VENT PLAN - 2ND FLOOR  
1/4" = 1'-0"



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KEY PLAN:



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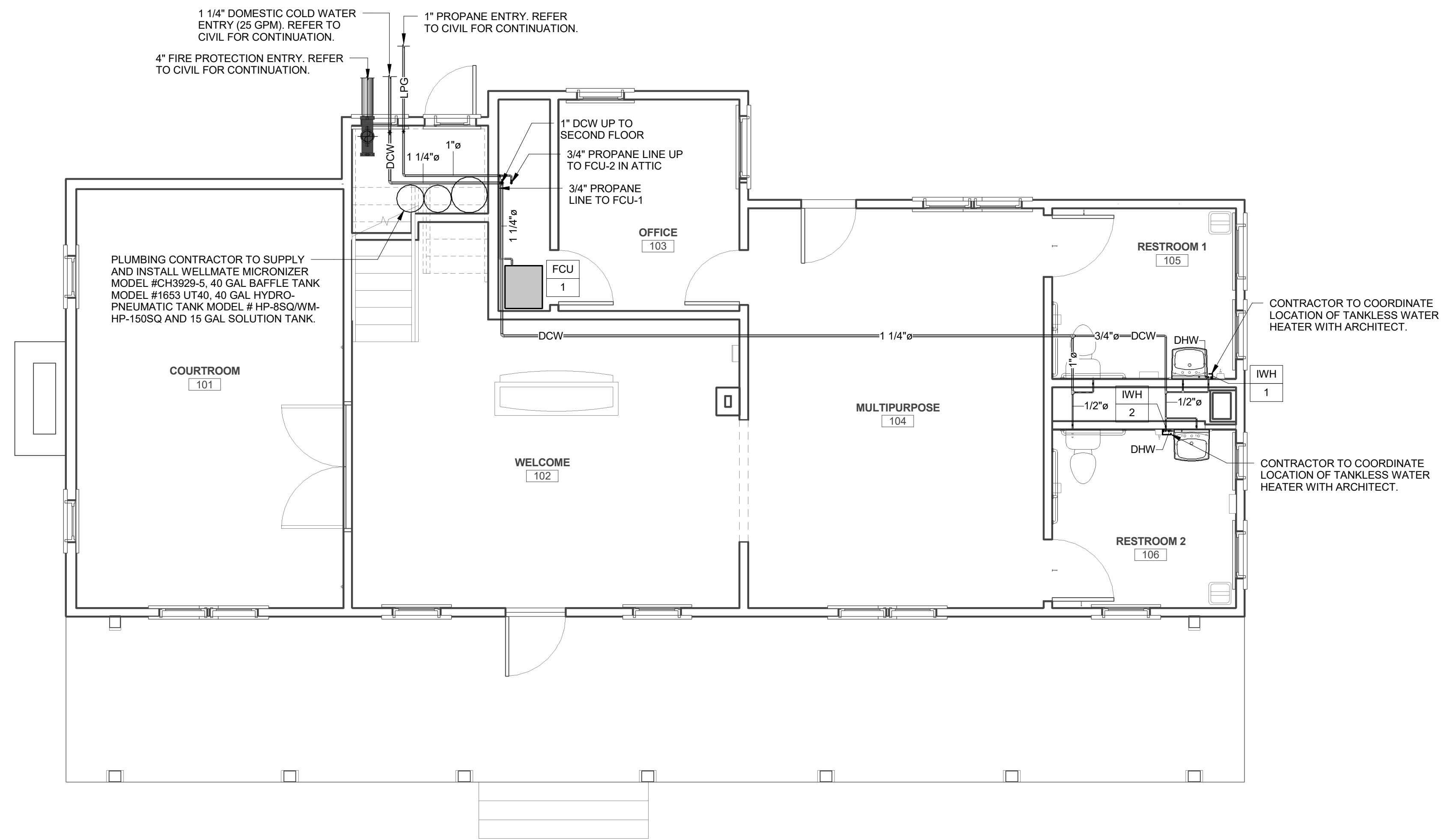
**CHEROKEE NATION**  
**SALINE COURTHOUSE**  
**RESTORATION**  
ROSE, OK

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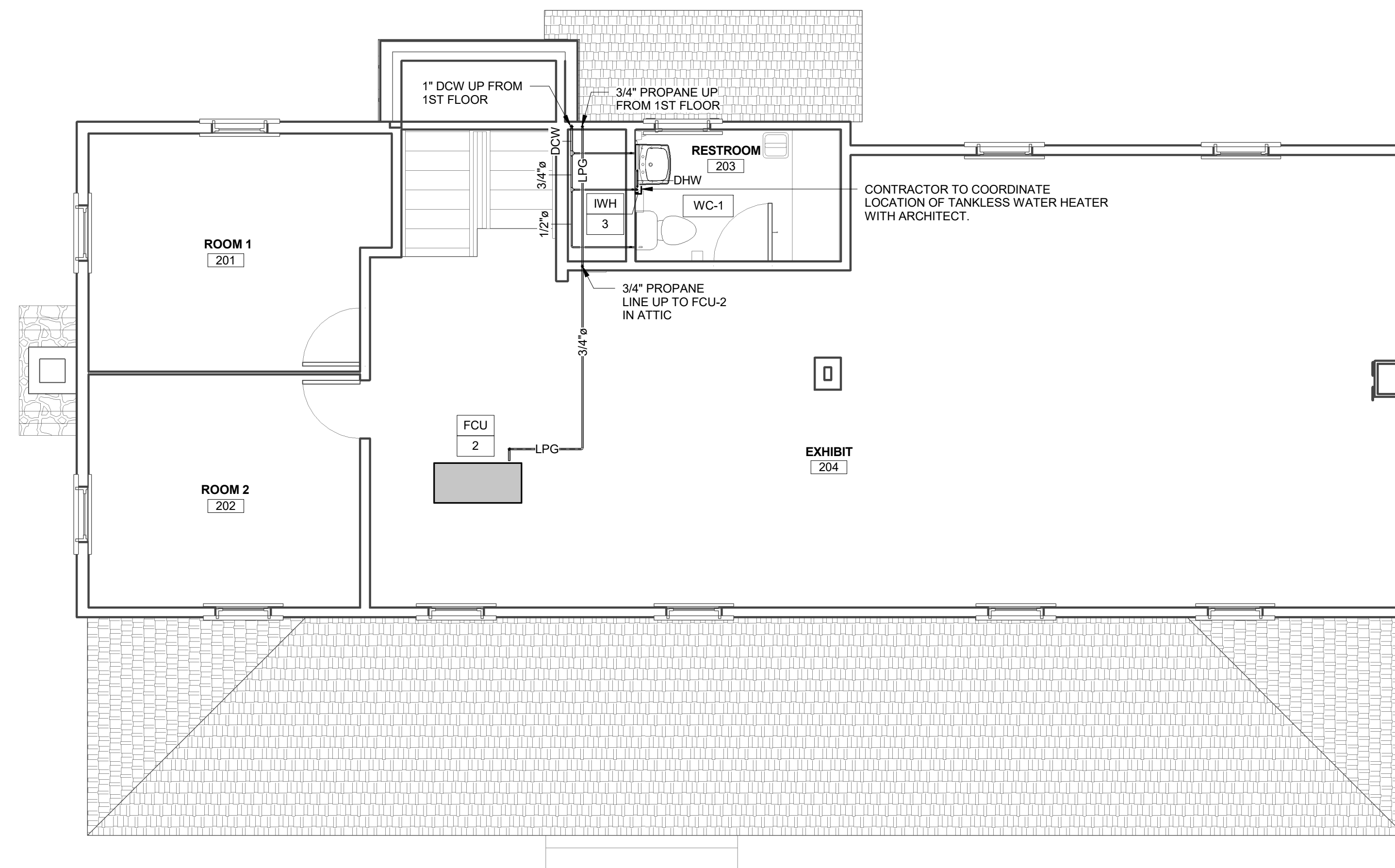
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**PLUMBING WASTE AND VENT PLANS**

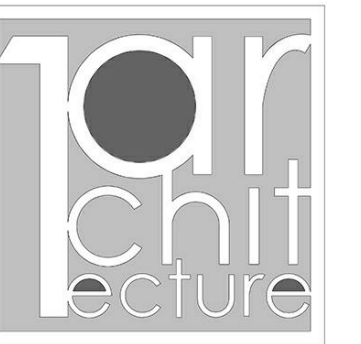
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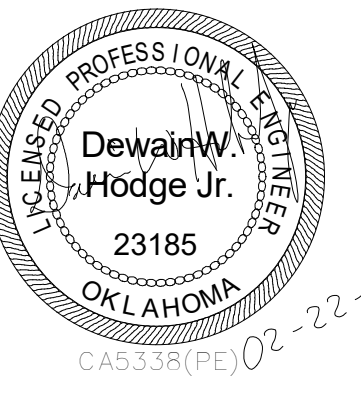
**1 PLUMBING SUPPLY PLAN - 1ST FLOOR**  
1/4" = 1'-0"



**2 PLUMBING SUPPLY PLAN - 2ND FLOOR**  
1/4" = 1'-0"



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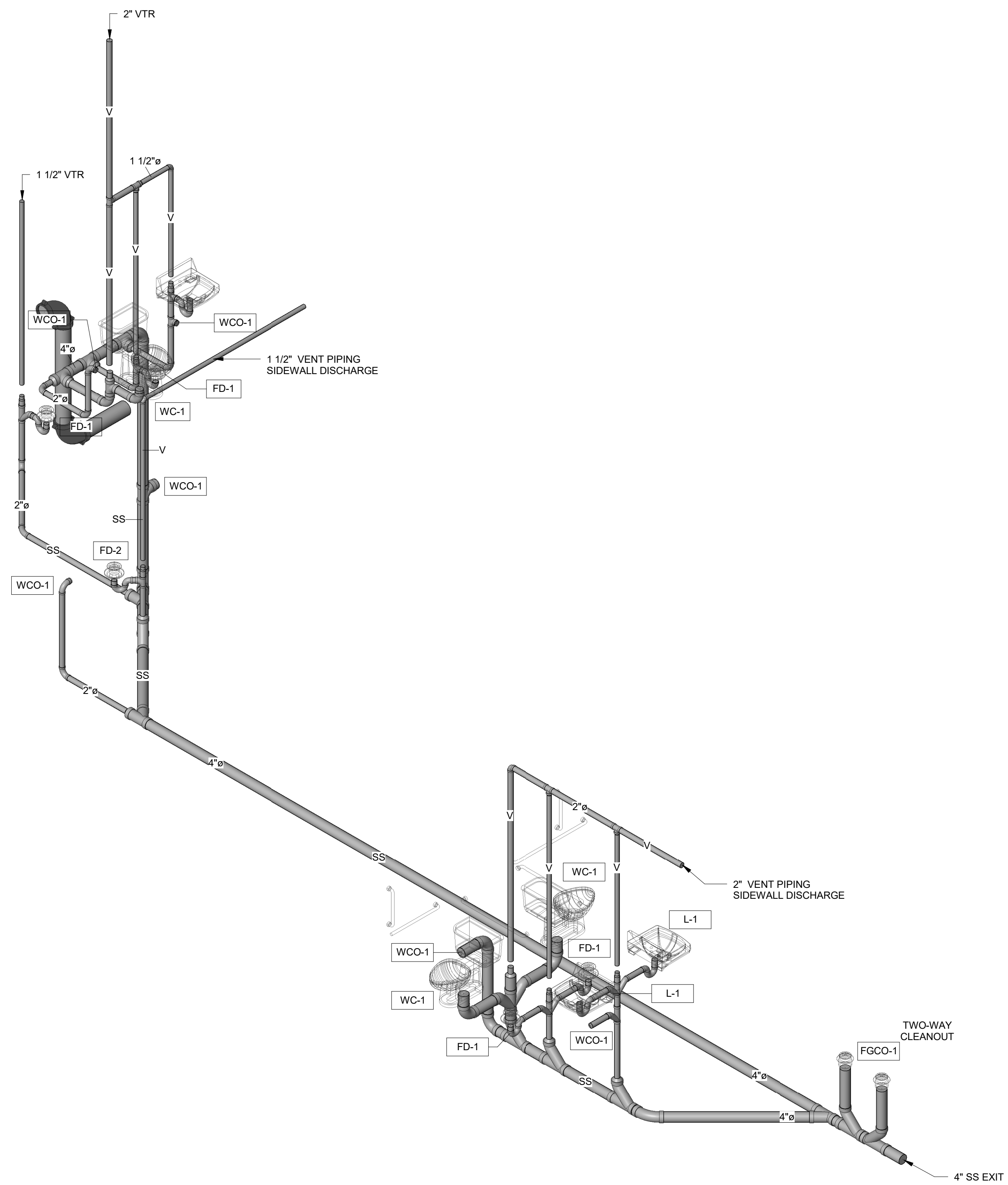
**CHEROKEE NATION**  
**SALINE COURTHOUSE**  
**RESTORATION**  
ROSE, OK

NO.	REVISION	DATE

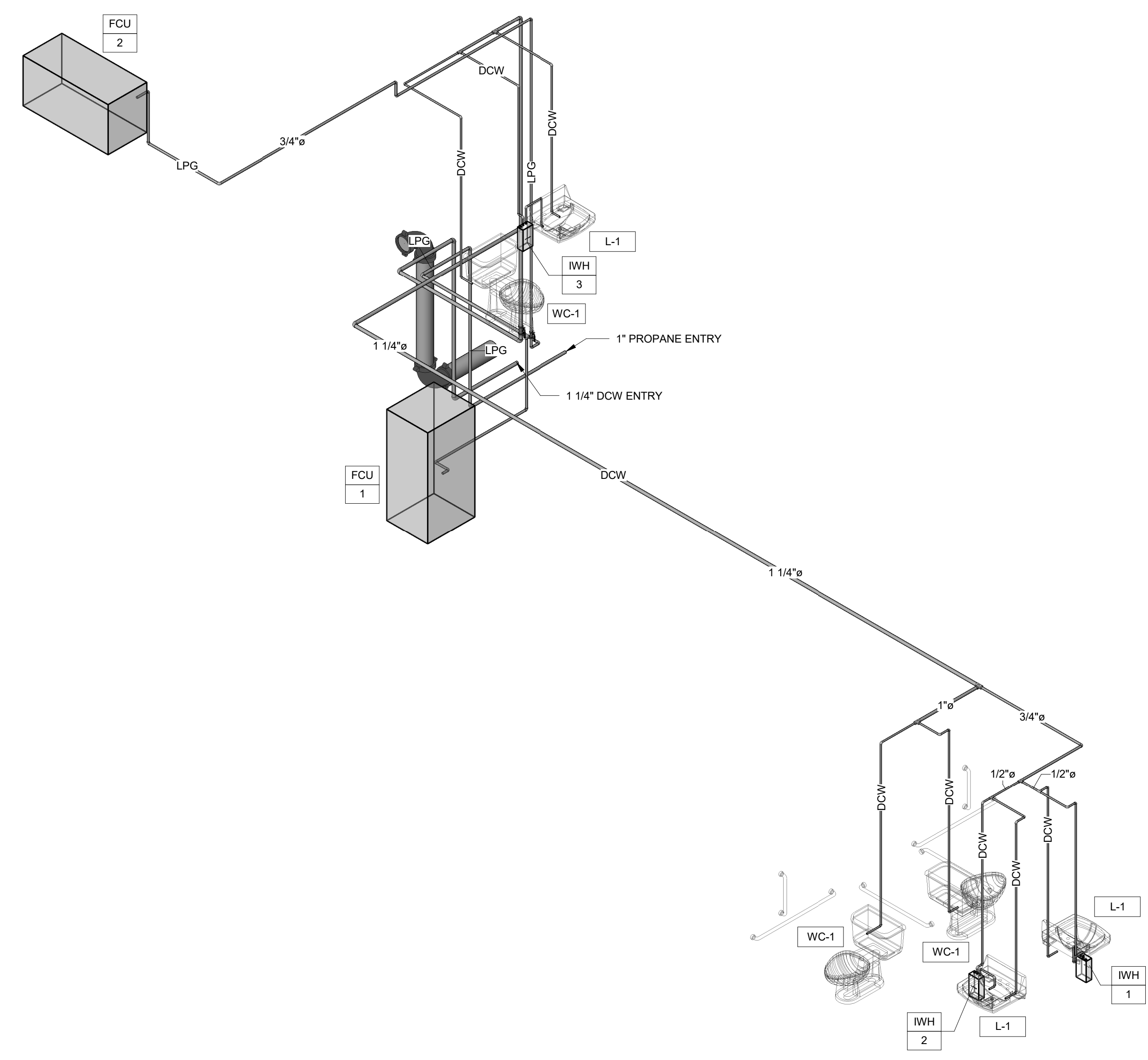
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**PLUMBING SUPPLY PLAN**

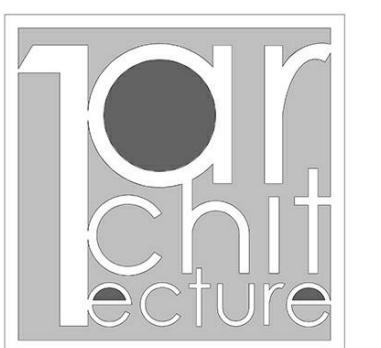
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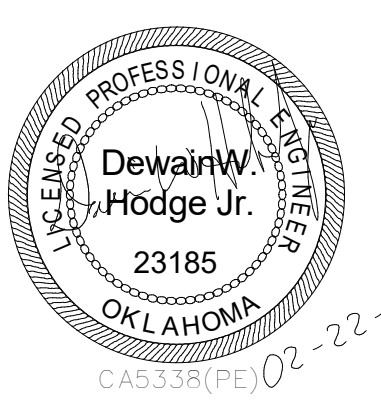
**1 PLUMBING WASTE AND VENT AXONOMETRIC**



**2 PLUMBING SUPPLY AXONOMETRIC**



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**PLUMBING**  
**AXONOMETRIC**

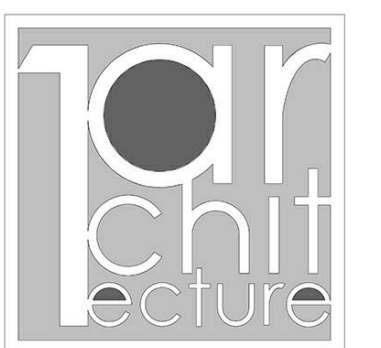
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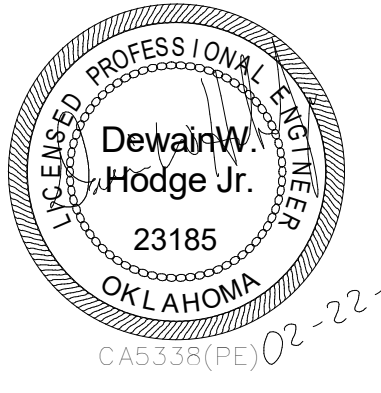
PLUMBING FIXTURE SCHEDULE									
TAG		WC-1	L-1	FD-1	WCO-1	FCO-1	FGCO-1		
FIXTURE TYPE		WATER CLOSET	LAVATORY	FLOOR DRAIN	WALL	FLOOR	FINISHED GRADE		
		FLOOR MOUNTED	WALL MOUNTED	6" ROUND	CLEANOUT	CLEANOUT	CLEANOUT		
		FLUSH TANK	20 3/4" x 18 1/4"	STRAINER		ADJUSTABLE	ADJUSTABLE		
MATERIAL		VITREOUS CHINA	VITREOUS CHINA	CAST IRON BODY	CAST IRON BODY	CAST IRON BODY	CAST IRON BODY		
COLOR		WHITE	WHITE	POL. BRONZE STR.	POL. SS COVER	POL. BRONZE TOP	NI. BRONZE TOP		
ADA COMPLIANT		YES	YES	N/A	N/A	N/A	N/A		
MANUFACTURER		AMERICAN STD.	KOHLER	ZURN	ZURN	ZURN	ZURN		
MODEL		CADET 2467.100	K-2030	Z-415B	Z-1446	Z-1440	Z-1474		
TRIM	VALVE	TYPE	LAVATORY TEMPERING VALVE (ASSE 1070)						
		MANUFACTURER	POWERS						
		MODEL	LF#480						
		FLOWRATE	1.1 GPF	1.2 GPM					
		FINISH							
	CARRIER	MANUFACTURER		ZURN					
		MODEL		Z1231					
	SEAT	MANUFACTURER	AMERICAN STD.						
		MODEL	5905.110SS						
		FINISH	ANTI-MICROBIAL						
	FAUCET	TYPE		MANUAL FAUCET GOOSENECK WRISTBLADE HDLS.					
		MANUFACTURER		KOHLER					
		MODEL		K-10272-4A-CP					
		FLOWRATE		1.2 GPM					
		FINISH		CHROME					
	DRAIN	TYPE		GRID STRAINER					
		MANUFACTURER							
		MODEL							
		FINISH		CHROME					
	MISCELLANEOUS		MCQUIRE LFH172LK		RECTORSEAL	TAPERED	LEVEL TROL	Z1440 INTERNAL	
		CHROME PLATED		SURE SEAL	THREADED PLUG		CLEANOUT WITH		
		BRASS CLOSET				TAPERED	TAPERED		
		SUPPLY W/5" CU.			ROUND STAINLESS	THREADED PLUG	THREADED PLUG		
		PLATED EXTENSION,			STEEL COVER				
		12" BRAID. SS RISER							
WASTE & VENT		ABOVE GROUND	4"	2"	2"	PER PLANS	PER PLANS	PER PLANS	
ROUGH-IN SIZES - IN.		BELOW GROUND	4"	2"	2"	--	--	--	
		VENT	2"	1 1/2"	1 1/2"	--	--	--	
WATER SUPPLY		COLD	1/2"	1/2"	--	--	--	--	
ROUGH-IN SIZES - IN.		HOT	--	1/2"	--	--	--	--	
		TEMPERED	--	--	--	--	--	--	
REMARKS									
<p>REMARKS</p> <p>1. PROVIDE McGUIRE 155WC OFFSET CHROME PLATED CAST BRASS DRAIN, SEAMLESS BRASS TAILPIECE W/ CAST BRASS LOCKNUT, McGUIRE 8902 1 1/2" x 1 1/2" CHROME PLATED HEAVY CAST BRASS ADJUSTABLE P TRAP W/ CLEANOUT PLUG, McGUIRE 170LK CHROME PLATED SOLID BRASS ANGLE STOPS W/ 5" CHROME PLATED COPPER EXTENSION TUBE &amp; LOOSE KEY, FLEXIBLE CHROME PLATED COPPER RISERS, TRUEBRO LAV-GUARD PVC TYPE INSULATION AROUND "P" TRAP AND IPS CONNECTIONS</p> <p>2. INSTALL MIXING VALVE ABOVE CEILING IN ACCESSIBLE LOCATION. SET HOW WATER DELIVERY TO 110 DEG. F.</p>									

ELECTRIC TANKLESS WATER HEATER				
TAG		IWH-1	IWH-2	IWH-3
MANUFACTURER		EEMAX	EEMAX	EEMAX
MODEL NO.		EX48 SL	EX48 SL	EX48 SL
FLOW - GPM AT DEG. F. TEMPERATURE RISE		0.5 @ 64 °F	0.5 @ 64 °F	0.5 @ 64 °F
HOT WATER TEMPERATURE SETTING - DEG. F.		110	110	110
POWER DEMAND - KW		4.8	4.8	4.8
ELECTRICAL	VOLTAGE / PHASE / HZ	240/1/60	240/1/60	240/1/60
	CONNECTON 1 - AMPS	20	20	20
REMARKS				
REMARKS				

PLUMBING INSULATION SCHEDULE		
DESCRIPTION	INSULATION TYPE	THICKNESS
INDOOR DOMESTIC COLD WATER PIPING	PREFORMED FIBERGLASS WITH FACTORY APPLIED ASJ	1" DIA. AND BELOW = 1/2" 1.25" DIA AND ABOVE = 1"
INDOOR DOMESTIC HOT WATER, HOT WATER RETURN, AND TEMPERED PIPING	PREFORMED FIBERGLASS WITH FACTORY APPLIED ASJ	1" DIA. AND BELOW = 1/2" 1.25" DIA AND ABOVE = 1"
WATER COOLERS TRAPS, HANDICAPPED LAVATORY AND SINK TRAPS, TAILPIECES, HOT AND COLD WATER SUPPLY LINES	ANTI MICROBIAL VINYL EQUAL TO TRUEBRO BRAND LAV-GUARD	1/8"



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KEY PLAN:



DRAWN FOR:

**CHEROKEE NATION**  
**SALINE COURTHOUSE RESTORATION**  
ROSE, OK

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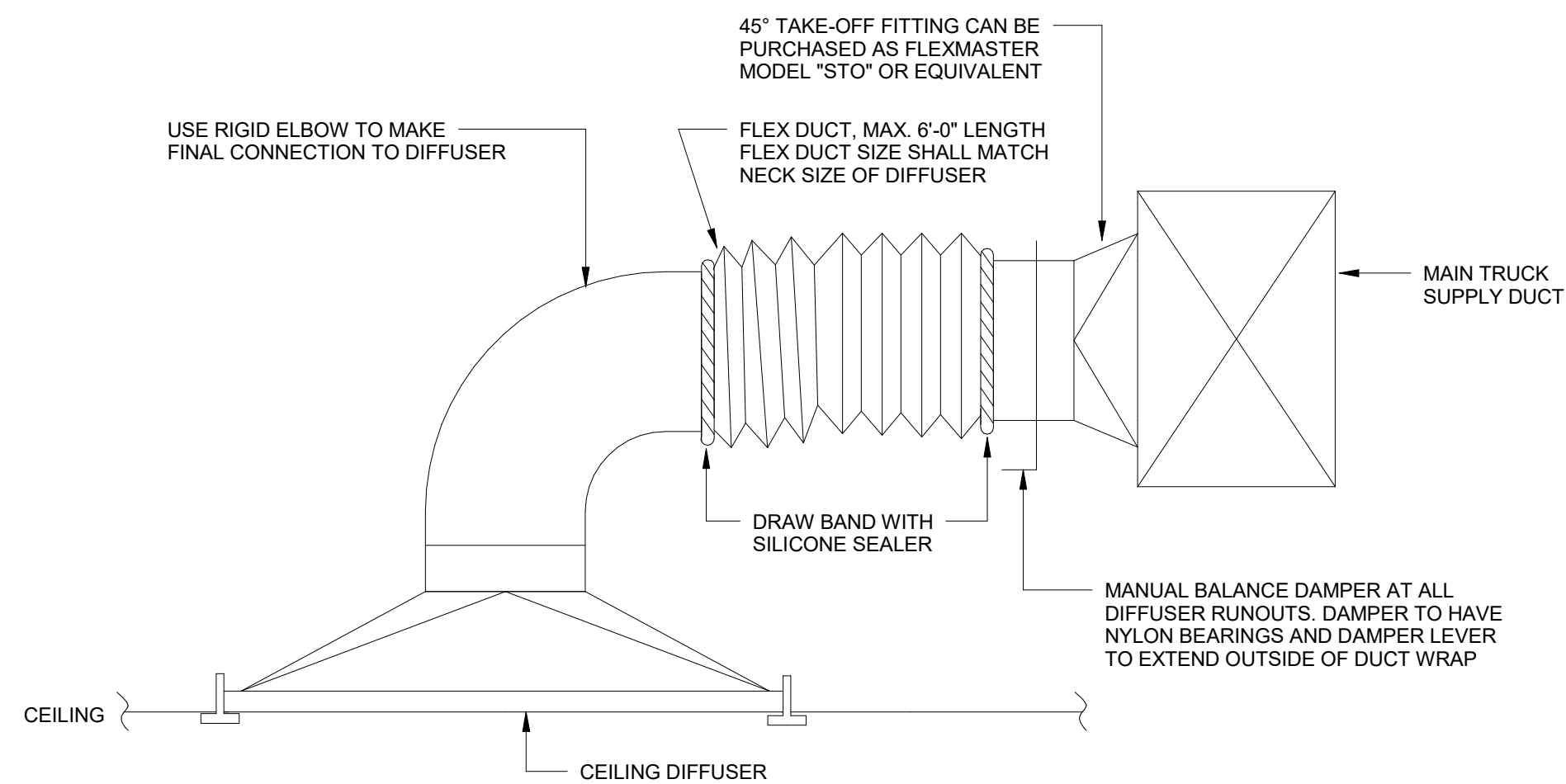
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**PLUMBING SCHEDULES**

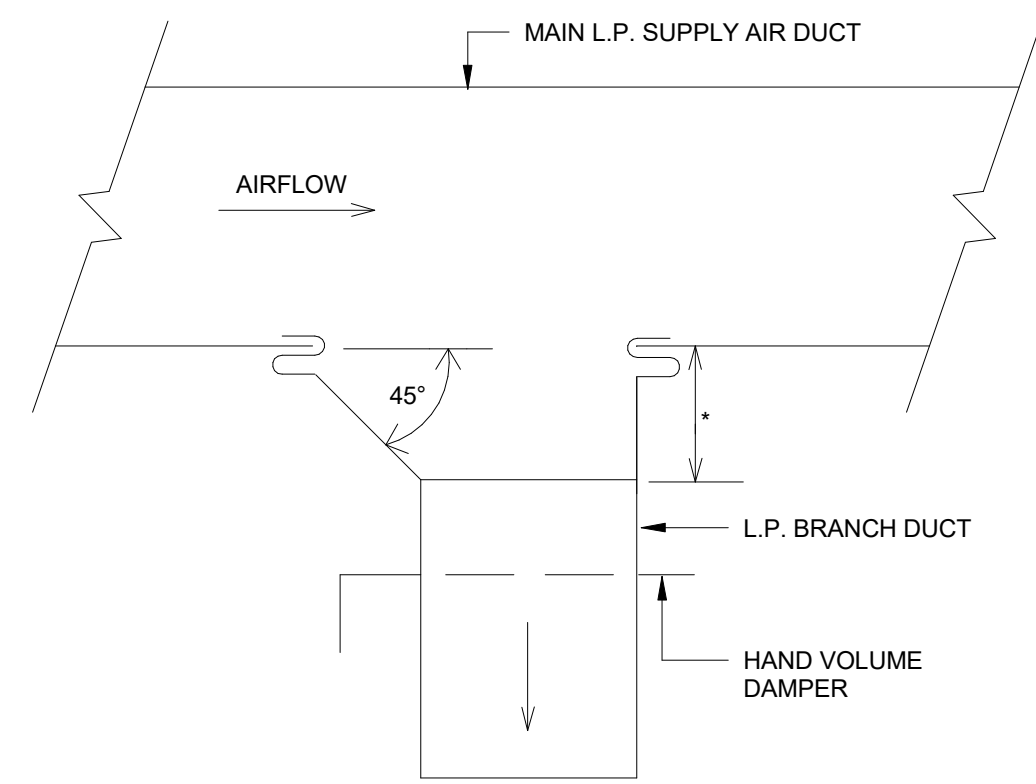
**P200**

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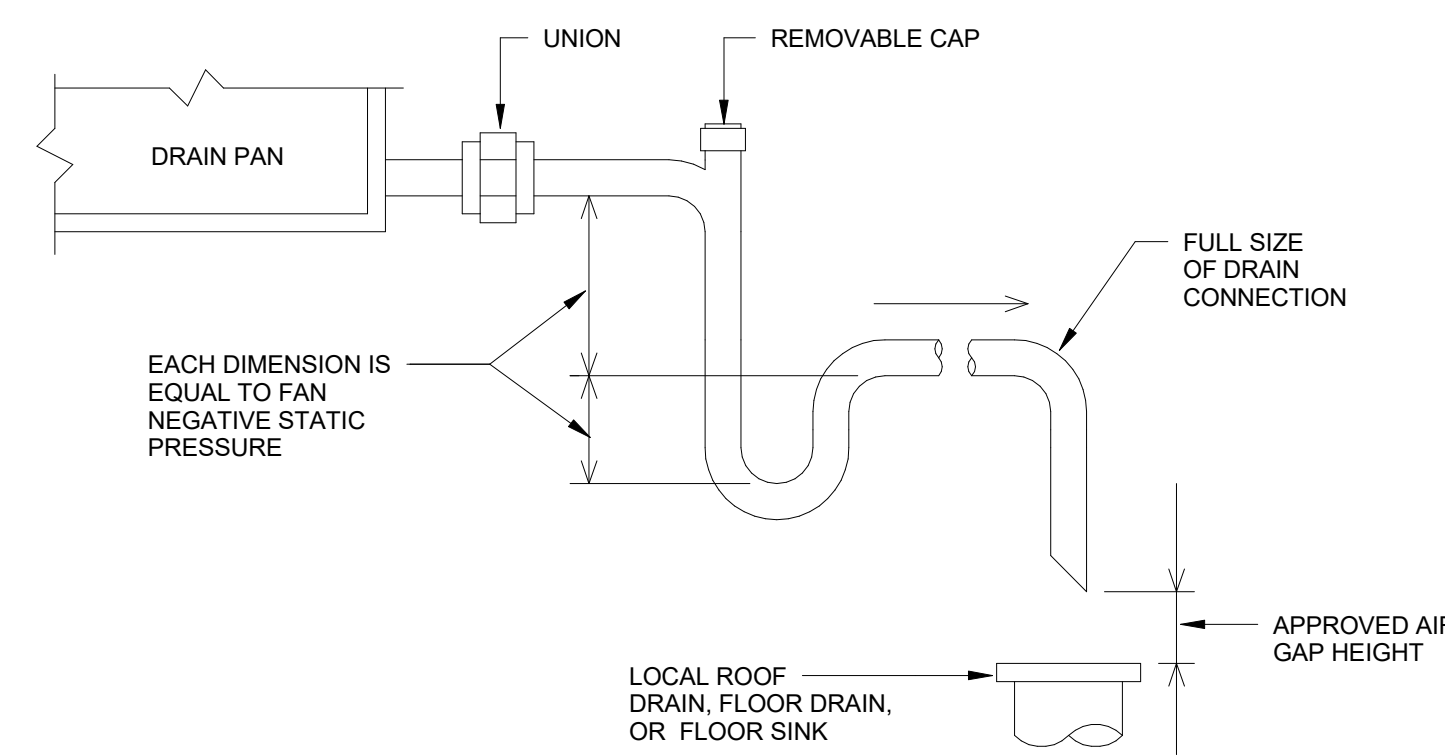


**1** TYPICAL DIFFUSER CONNECTION  
SCALE: N.T.S.

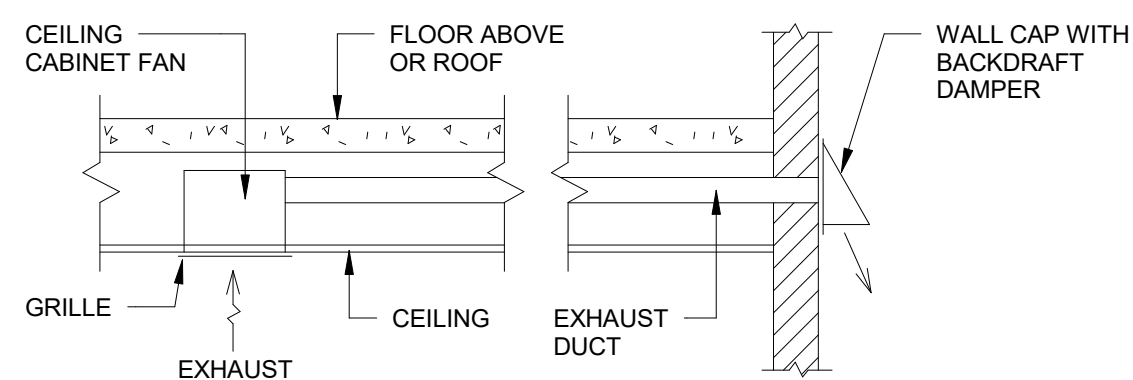


\* - EQUALS WIDTH OF BRANCH DUCT UP TO 12".  
12" FOR ALL BRANCH DUCTS LARGER THAN 12".

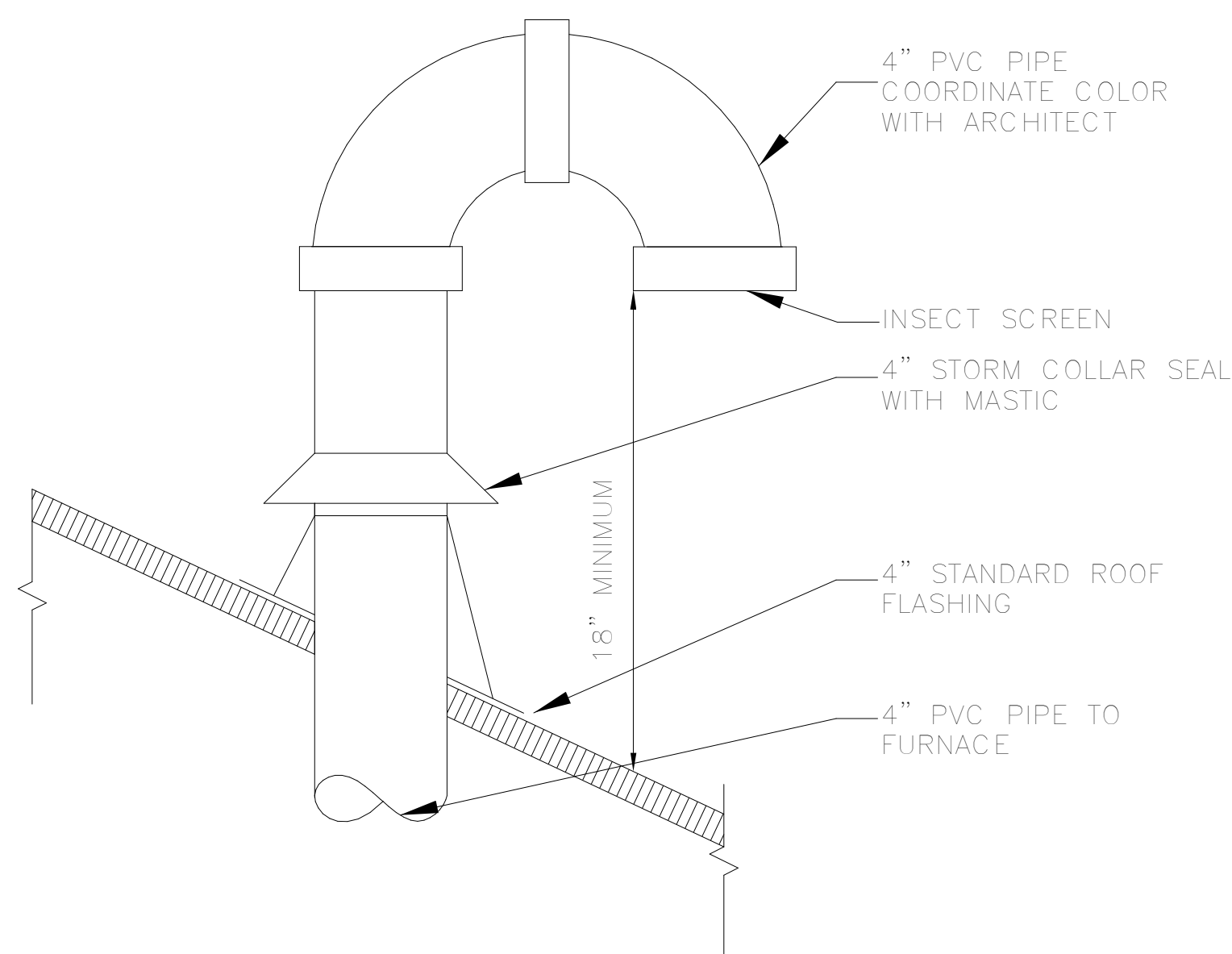
**2** TYPICAL SUPPLY AIR BRANCH DUCT TAKE-OFF  
SCALE: N.T.S.



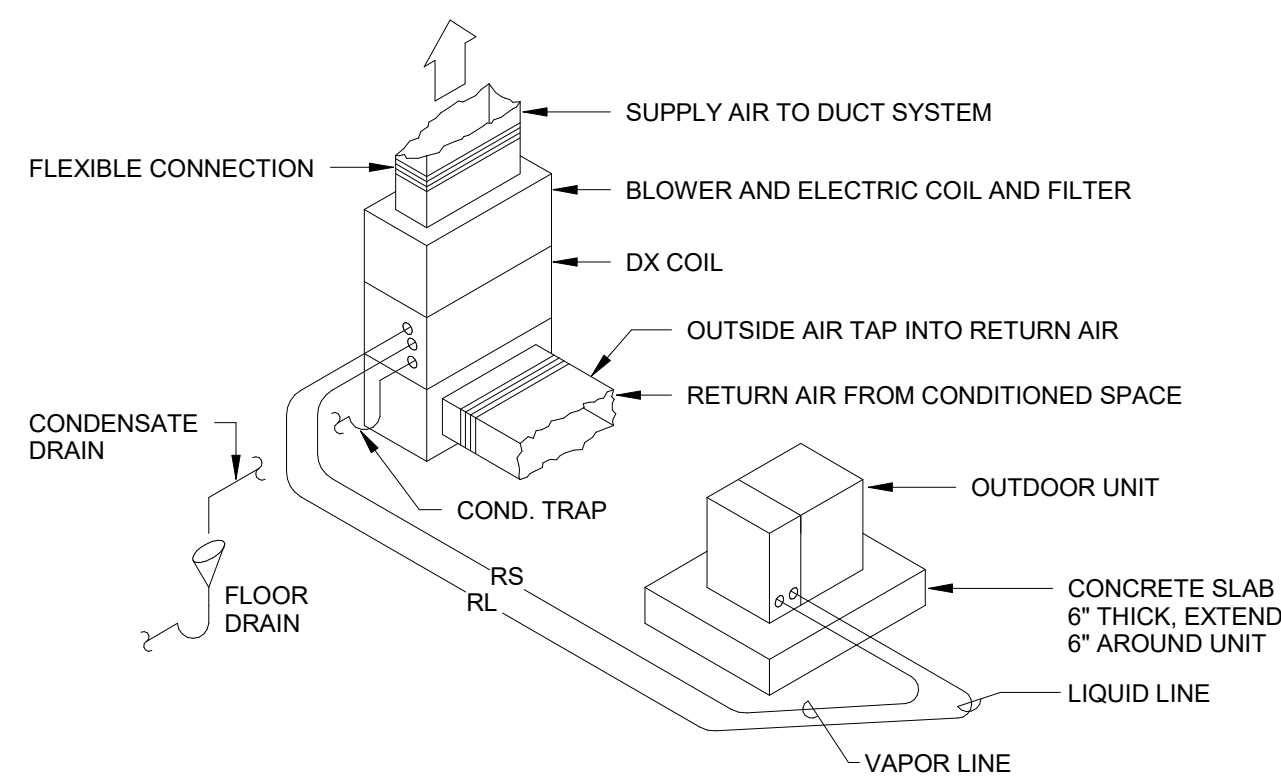
**3** CONDENSATE DRAIN DETAIL  
SCALE: N.T.S.



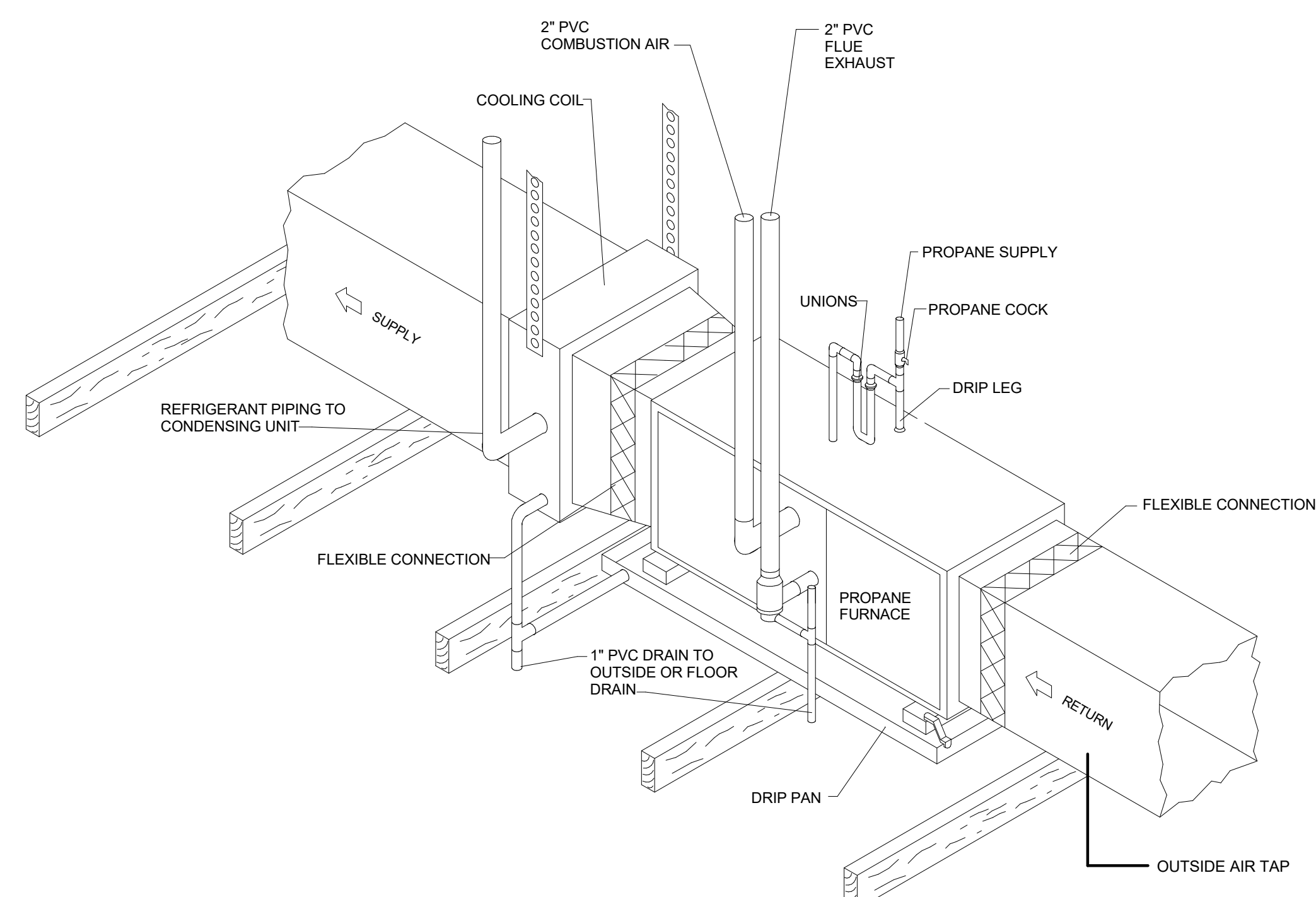
**4** BATHROOM EXHAUST FAN DETAIL - SIDEWALL DISCHARGE  
SCALE: N.T.S.



**5** THROUGH THE ROOF OUTSIDE AIR  
SCALE: N.T.S.



**6** SPLIT SYSTEM DETAIL  
SCALE: N.T.S.

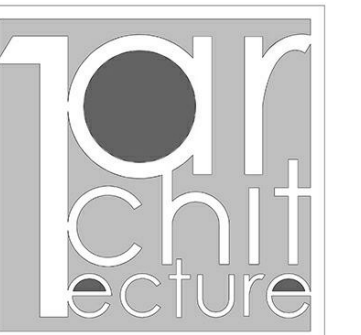


**7** HORIZONTAL PROPANE FURNACE  
SCALE: N.T.S.

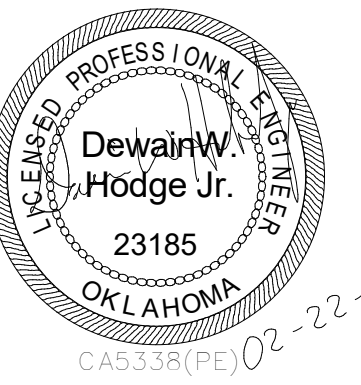
MECHANICAL LEGEND			
Ⓣ	THERMOSTAT (MOUNTED AT 48" A.F.F)	EXHAUST GRILLE (CEILING MOUNTED)	
Ⓣ	TEMPERATURE SENSOR (MOUNTED AT 48" A.F.F)	SUPPLY DIFFUSER (CEILING MOUNTED)	
CFM NECK	DIFFUSER CALLOUT TAG	RETURN GRILLE (CEILING MOUNTED)	
XXX XXX	EQUIPMENT OR DEVICE TAG	DUCT MOUNTED SMOKE DETECTOR	
→	AIR FLOW ARROW	MANUAL BALANCE DAMPER	
—C—	CONDENSATE PIPE	SIDEWALL AIR DEVICE	
—R—	REFRIGERANT PIPE	RECTANGULAR DUCT (FIRST DIMENSION, SIDE SHOWN)	
B.O.D.	BOTTOM OF DUCT	ROUND DUCT	
B.O.B.	BOTTOM OF BEAM	DOUBLE WALL ROUND DUCT	
A.F.F.	ABOVE FINISHED FLOOR	CFM	STANDARD CUBIC FEET PER MINUTE
A.F.G.	ABOVE FINISHED GRADE	FD	FIRE DAMPER
		Ⓜ	HUMIDISTAT (MOUNTED AT 48" A.F.F)

**HVAC GENERAL NOTES**

- SUBMISSION OF PROPOSAL IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH HE WILL BE OBLIGATED TO OPERATE SHOULD HE BE AWARDED THE WORK UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
- ALL RECTANGULAR DUCT SIZES SHOWN ARE THE OUTSIDE METAL DIMENSIONS. DUCT DIMENSIONS ALREADY HAVE ALLOWANCES FOR THE INSULATION LINER WHERE APPLICABLE IN THE RECTANGULAR DUCTS. AT DUAL WALL DUCTS, THE DIMENSION SHOWN IS THE OUTSIDE METAL DUCT SIZE AND ALREADY HAVE ALLOWANCES FOR THE INSULATION THICKNESS.
- ALL WORK SHALL CONFORM TO STATE AND LOCAL CODES, RULES, REGULATIONS, AND ORDINANCES, WHICH SHALL TAKE PRECEDENCE OVER THE PLANS IF CONFLICTS EXIST BETWEEN THEM.
- THE DRAWINGS INDICATE THE GENERAL LAYOUT REQUIREMENTS FOR EQUIPMENT, FIXTURES, PIPING, DUCTWORK, ETC. FINAL LAYOUT SHALL BE MODIFIED TO FIT ACTUAL SITE CONDITIONS.
- COORDINATE ALL WORK WITH THE OWNER AND ALL OTHER CONTRACTORS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS. PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT, AND TRANSFER TO POINT OF INSTALLATION OF ANY OWNER FURNISHED ITEMS.
- IN CASES OF EQUIPMENT SUBSTITUTION, CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT ALL SYSTEMS AND COMPONENTS WILL FIT PROPERLY PRIOR TO FABRICATION OR ORDERING. INSTALLED DUCTS MAY BE RESIZED BY THE CONTRACTOR TO FIT FIELD CONDITIONS AS LONG AS THE INSTALLED DUCTS SHALL HAVE EQUAL FRICTION LOSS TO THOSE SHOWN. RECTANGULAR DUCTS SHALL NOT BE CHANGED TO ROUND DUCTS. PROVIDE COMPLETE SHEET METAL SHOP DRAWINGS TO ENGINEER SHOWING ACTUAL DUCT SIZES, ARRANGEMENTS, AND UNIT LOCATIONS TO BE INSTALLED. THIS SHALL BE DONE PRIOR TO FABRICATION OR INSTALLATION.
- PROVIDE BALANCE DAMPERS AT ALL SUPPLY AND RETURN DUCT RUNOUTS TO GRILLES AND DIFFUSERS. LOCATE AS FAR AS POSSIBLE FROM GRILLES IN AN ACCESSIBLE LOCATION. PROVIDE ACCESS PANELS IN SOLID WALLS AND CEILINGS FOR BALANCING DAMPERS.
- USE FLEX DUCTS FOR DUCT RUNOUTS TO CEILING DIFFUSERS, EXCEPT USE RIGID ELBOW FOR FINAL CONNECTION TO ALL CEILING DIFFUSERS. LIMIT TO 6' MAX. LENGTHS, EXCEPT NO FLEX DUCT ALLOWED ABOVE GYP. CEILINGS.
- PROVIDE A COMPLETE AND OPERATING MECHANICAL SYSTEM, INCLUDING ALL INCIDENTAL ITEMS AND CONNECTIONS NECESSARY FOR PROPER OPERATION OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM MAY NOT BE INDICATED.
- REFER TO ARCH. PLANS AND DETAILS FOR EXACT LOCATION OF ALL WALL AND CEILING MOUNTED DEVICES. ADJUST LOCATION OF SIDEWALL DEVICES AS NECESSARY TO AVOID INTERFERENCE WITH MOLDING OR OTHER ELECTRICAL DEVICES.
- WHERE CONDUIT, CABLES, DUCTWORK OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE SLEEVES SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY LOCAL AUTHORITIES HAVING JURISDICTION (AHJ) AS BEING SUITABLE FOR THIS SERVICE SUCH AS DOWN CORNING CORP "SILICONE ELASTOMER, RTV FOAM, OR SIMILAR MATERIAL TO MAINTAIN FIRE RATING OF THE WALL OR FLOOR.
- CONTRACTOR SHALL NOT INSTALL ANY MAINTENANCE ITEMS ABOVE HARD CEILINGS. THIS SHALL INCLUDE VALVES, DAMPERS, OR ANY OTHER ITEMS THAT REQUIRE ACCESS AFTER CONSTRUCTION IS COMPLETED. IF INSTALLATION ABOVE A HARD CEILING OF THESE ITEMS CANNOT BE AVOIDED, THEN PROVIDE CEILING ACCESS DOORS EQUAL TO ACUDOR MODEL FW-505 WHERE REQUIRED. AT FIRE-RATED WALLS, USE EQUIVALENT OF ACUDOR MODEL FB-5060. MINIMUM SIZE SHALL BE 12"x12". USE 18"x18" WHEN PERSONNEL ACCESS IS REQUIRED. COORDINATE WITH ARCHITECT PRIOR TO START OF WORK.
- PROVIDE AN INSULATED BACK ON ALL THERMOSTATS AND TEMPERATURE SENSORS THAT ARE MOUNTED ON CMU OR HOLLOW WALLS. PROVIDE SHALLOW DEVICE EXTENSION BOX BEHIND T-STATS AND SENSORS ON MASONRY WALLS.
- MECHANICAL CONTRACTOR SHALL INSTALL DUCT MOUNTED SMOKE DETECTORS PROVIDED BY FIRE ALARM CONTRACTOR. REFER TO ELECTRICAL NOTES FOR EXACT REQUIREMENTS. MECHANICAL CONTRACTOR SHALL IDENTIFY A SET OF TERMINALS FOR EQUIPMENT SHUTDOWN ON ALL FAN POWERED EQUIPMENT REQUIRING SHUTDOWN CONTROLS. FIRE ALARM CONTRACTOR SHALL WIRE FROM DUCT MOUNTED SMOKE DETECTOR TO SHUTDOWN TERMINALS TO SHUT DOWN FAN OPERATION WHEN SMOKE IS DETECTED.
- ANY PVC PIPE PENETRATION OF FIRE RATED ASSEMBLY SHOULD BE EXTERNALLY SLEEVED WITH STEEL, FERROUS, OR COPPER MATERIALS, SECURELY FASTENED TO THE FIRE RATED ASSEMBLY, AND ANY SPACE BETWEEN THE SLEEVE AND THE ASSEMBLY PENETRATED SHALL BE PROTECTED USING MATERIAL THAT CONFORMS TO ASTM E 814 OR UL 1479, SUCH AS FIRE STOP FS-1900 OR FLAME STOPPER 5000.

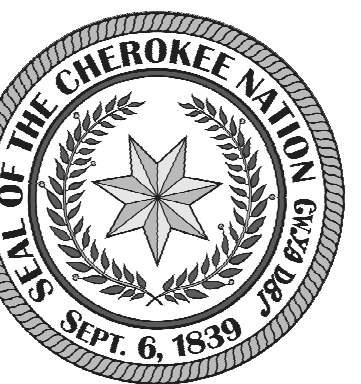


**1Architecture, LLC**  
1319 E. 6th St.  
Tulsa, OK 74120  
PH. 918.764.9996



CERTIFICATE OF AUTHORIZATION 5338  
RENEWAL DATE: 03/02/19  
HP ENGINEERING INC.  
16 South Lewis Ave  
TULSA, OKLAHOMA 74104  
(539) 664-4818

KEY PLAN:



DRAWN FOR:

**CHEROKEE NATION**

**SALINE COURTHOUSE RESTORATION**

ROSE, OK

NO.	REVISION	DATE

PROJECT NUMBER:

1408-018

ISSUE:

BID SET

DATE:

02.23.18

DRAWN BY:

TE

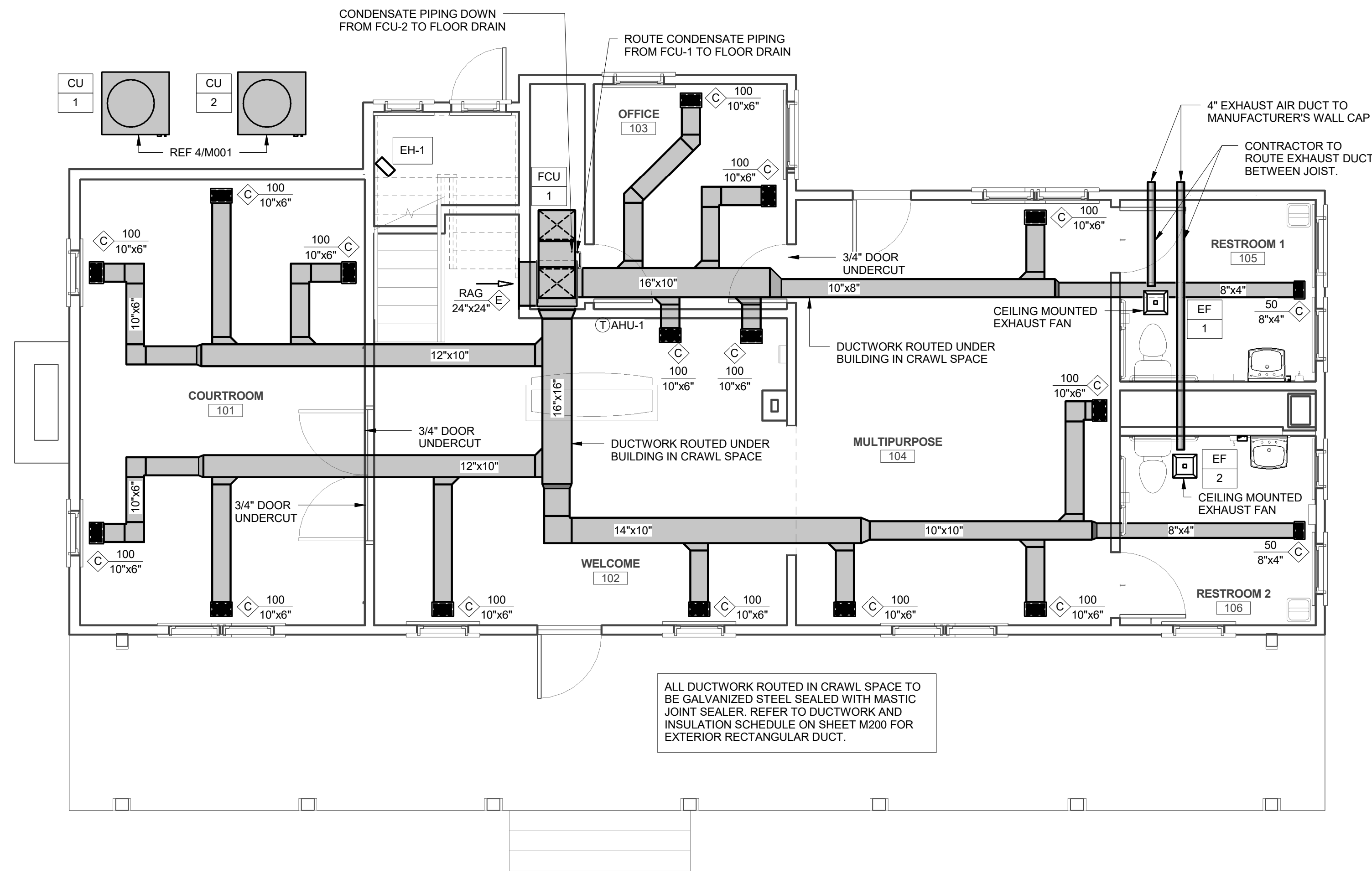
CHECKED BY:

JVK

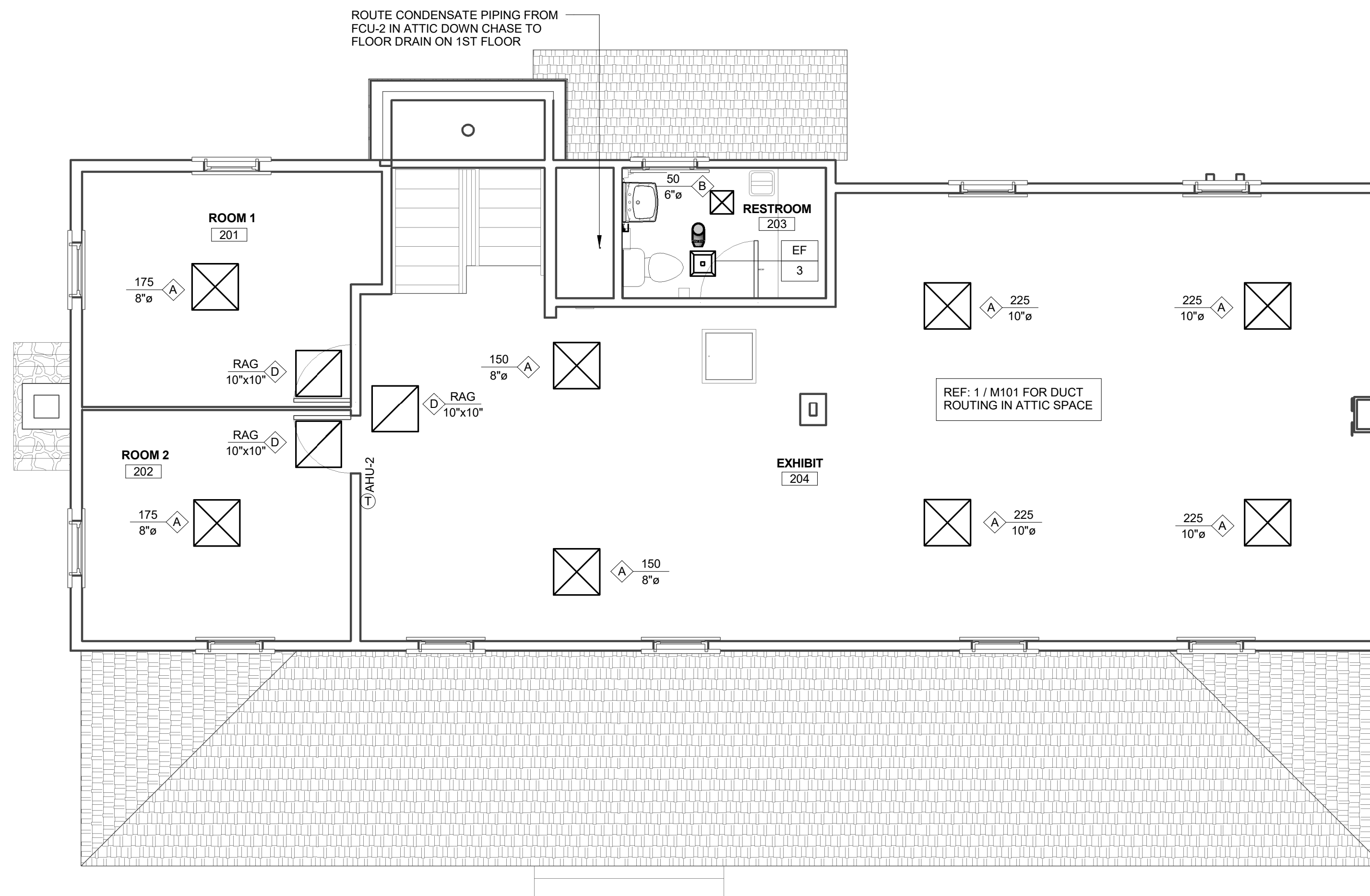
SHEET TITLE:

**MECHANICAL NOTES AND DETAILS**

**M001**



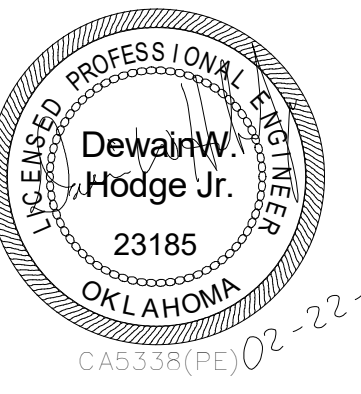
**1 HVAC PLAN - 1ST FLOOR**  
1/4" = 1'-0"



**2 HVAC PLAN - 2ND FLOOR**  
1/4" = 1'-0"

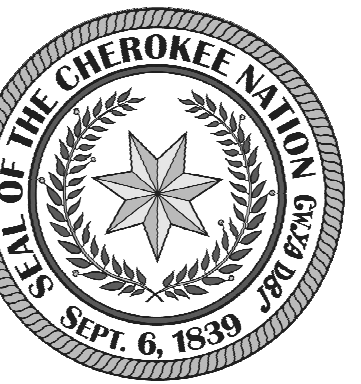


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KEY PLAN:



DRAWN FOR:

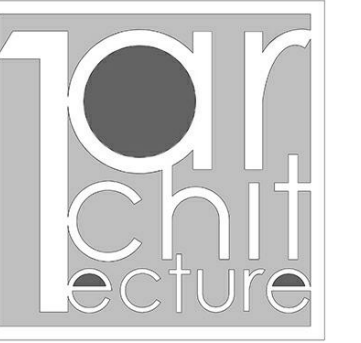
**CHEROKEE NATION**  
**SALINE COURTHOUSE**  
**RESTORATION**  
ROSE, OK

NO.	REVISION	DATE

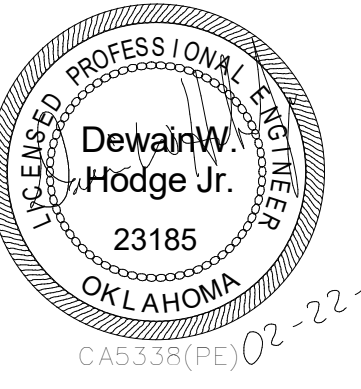
PROJECT NUMBER:  
1408-018  
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02.23.18  
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TE  
CHECKED BY:  
JVK  
SHEET TITLE:

**HVAC PLAN**

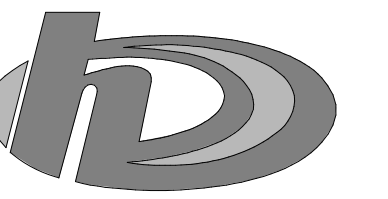
**M100**



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02-22-2018  
 CLASS (FE)



CERTIFICATE OF AUTHORIZATION 5338  
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 16 South Lewis Ave  
 TULSA, OKLAHOMA 74104  
 (539) 664-4818

KEY PLAN:



DRAWN FOR:

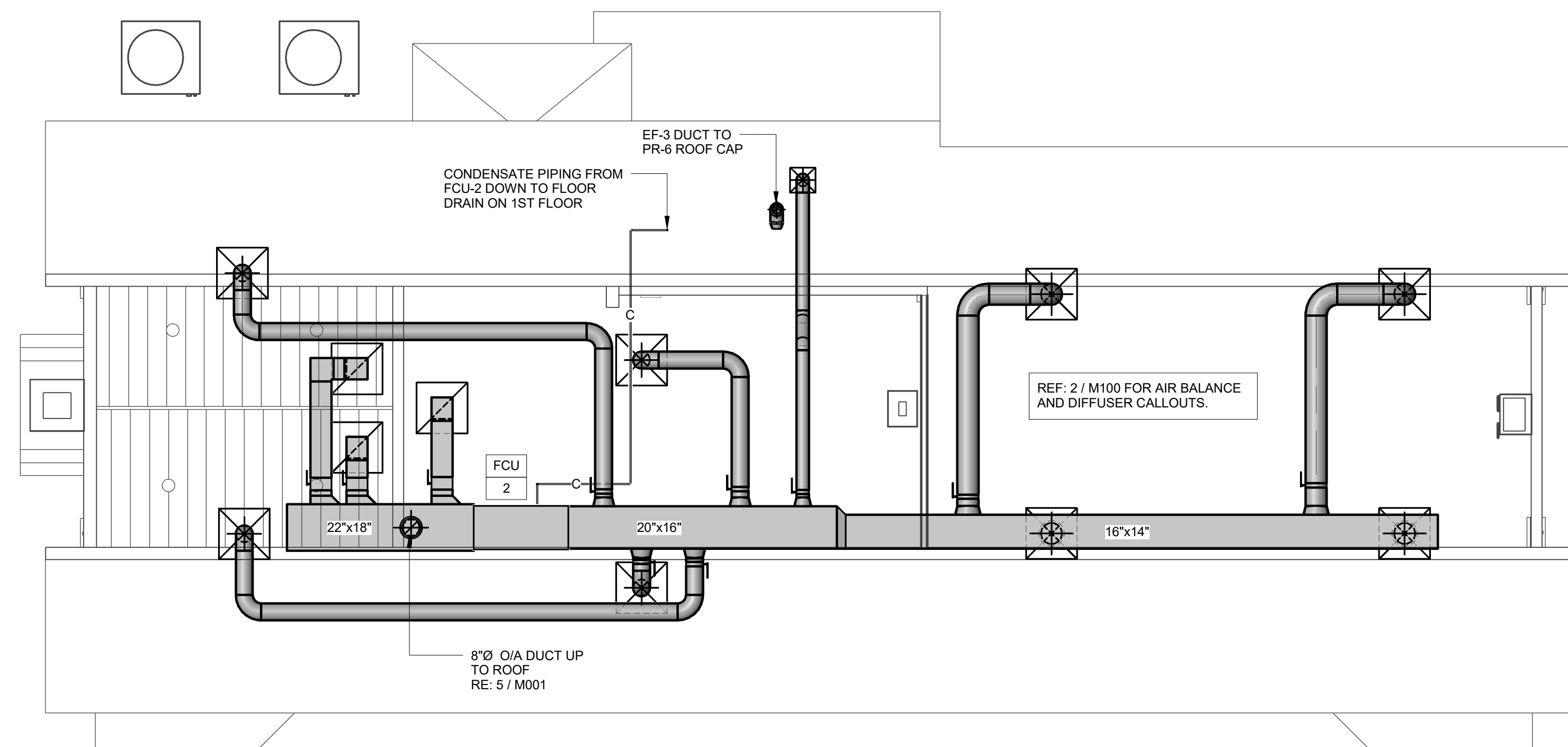
**CHEROKEE NATION**  
**SALINE COURTHOUSE RESTORATION**  
 ROSE, OK

NO.	REVISION	DATE

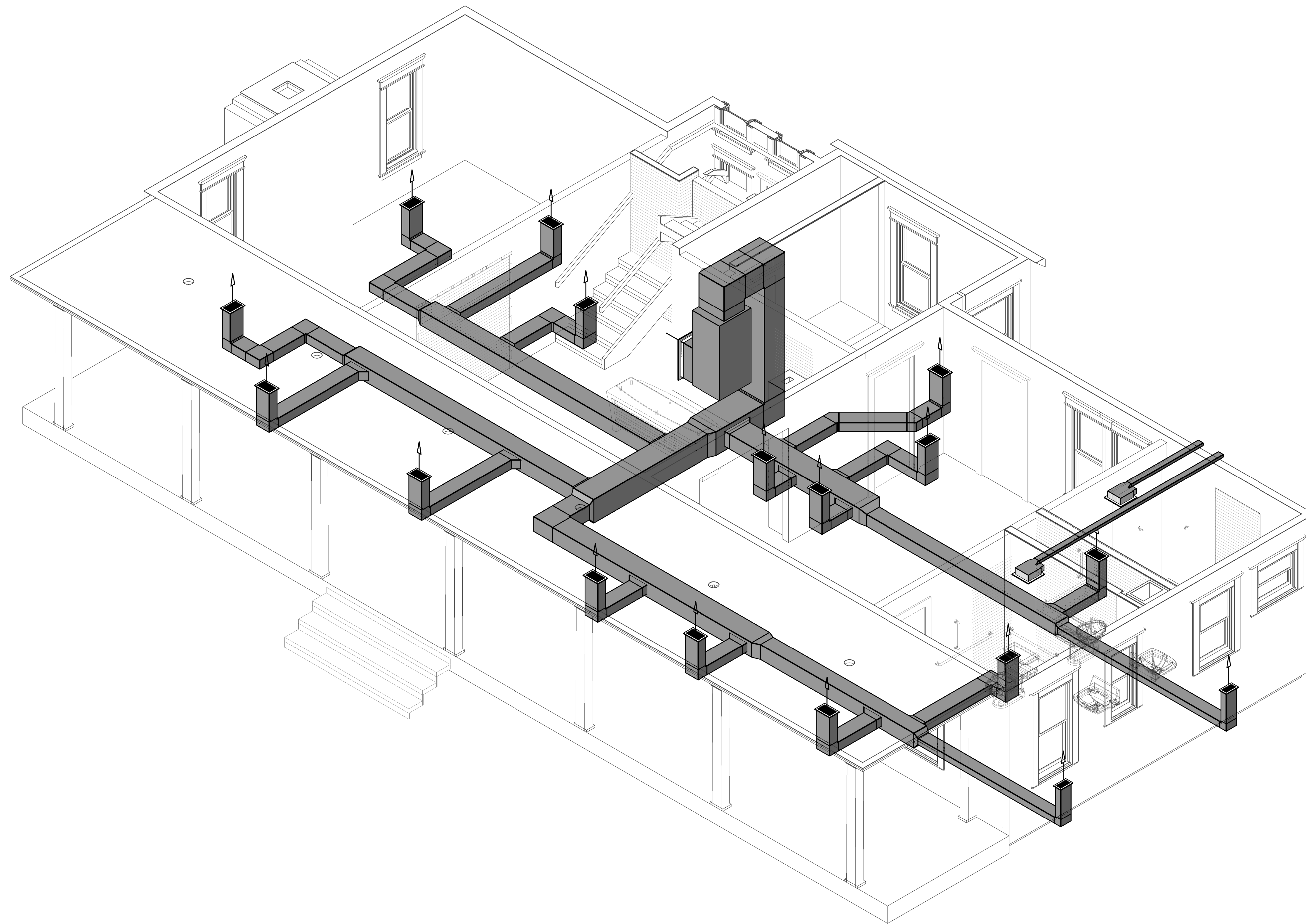
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1408-018  
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02.23.18  
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TE  
 CHECKED BY:  
JVK  
 SHEET TITLE:

**HVAC PLAN**

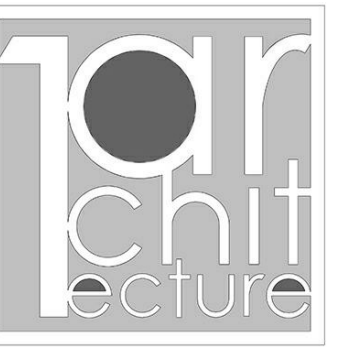
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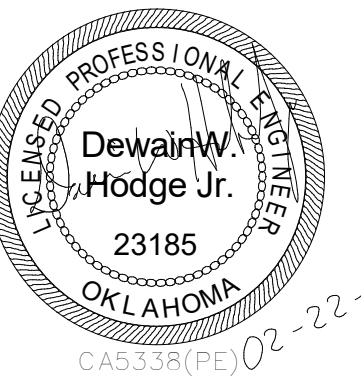
**1 HVAC - ATTIC**  
 1/4" = 1'-0"



**1 MECHANICAL AXONOMETRIC - 1ST FLOOR**

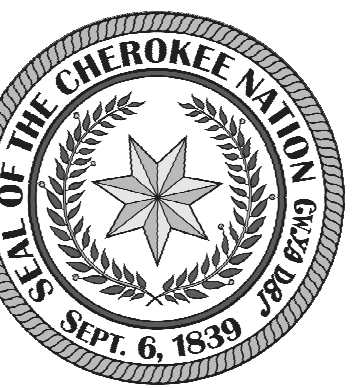


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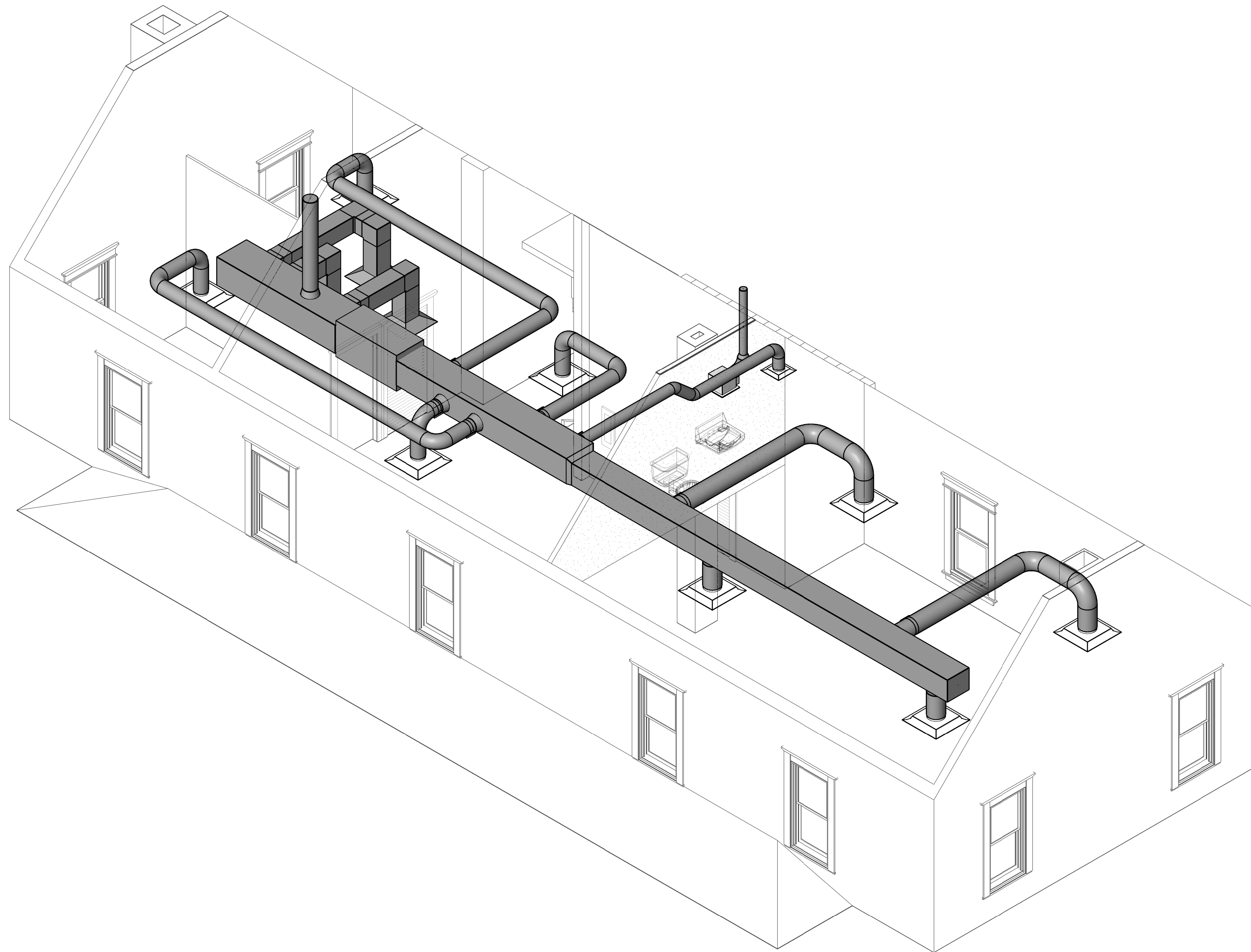
**CHEROKEE NATION**  
**SALINE COURTHOUSE**  
**RESTORATION**  
 ROSE, OK

NO.	REVISION	DATE

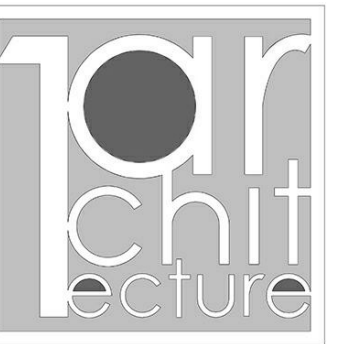
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 ISSUE:  
 BID SET  
 DATE:  
 02.23.18  
 DRAWN BY:  
 TE  
 CHECKED BY:  
 JVK  
 SHEET TITLE:

**MECHANICAL**  
**AXONOMETRIC**

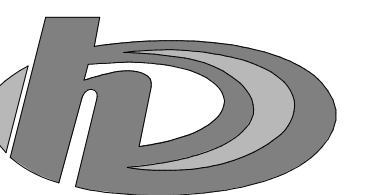
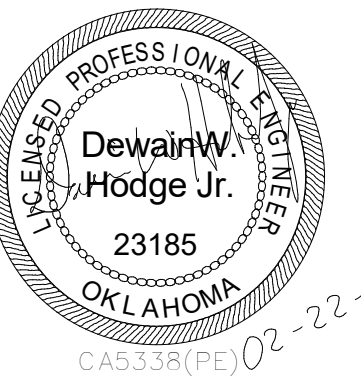
**M102**



**1 MECHANICAL AXONOMETRIC - 2ND FLOOR**



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 SHEET TITLE:

**MECHANICAL**  
**AXONOMETRIC**

**M103**

ELECTRIC HEATER SCHEDULE		
TAG		EH-1
MANUFACTURER		QMARK
MODEL NO.		MUH03-81
TYPE		WALL HEATER
CFM		350
ELECTRIC	KW	3
	VOLTAGE/PHASE	208/1
	AMPS	14.5
	REMARKS	A
REMARKS:		
A. PROVIDE FACTORY INSTALLED UNIT MOUNTED THERMOSTAT		

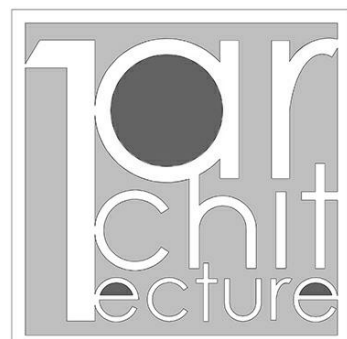
CONDENSING UNIT SCHEDULE			
TAG		CU-1	CU-2
MANUFACTURER		TRANE	TRANE
MODEL NO.		4TTR4060L1000A	4TTR4060L1000A
COMPRESSOR	TYPE	SCROLL	SCROLL
	NO. OF COMPRESSORS	1	1
	RATED-LOAD AMPS (RLA)	23.7	23.7
	LOCKED-ROTOR AMPS (LRA)	152.5	152.5
AIR COOLED CONDENSER	AMBIENT AIR TEMP - DEG F	105	105
	NO. OF FANS	1	1
	MOTOR HP	1/5	1/5
ELECTRICAL	VOLTAGE/PHASE/HERTZ	208/1/60	208/1/60
	MCA	31	31
	MOCPP	50	50
	REMARKS	1	1
REMARKS			
1. PROVIDE EVAPORATOR DEFROST CONTROL AND TXV			

FURNACE SCHEDULE			
TAG		FCU-1	FCU-2
MANUFACTURER		TRANE	TRANE
MODEL NO.		TUH1D100A9601A	TUH1D100A9601A
UNIT CONFIGURATION		HORIZONTAL	HORIZONTAL
NOMINAL TONS		5	5
SUPPLY AIR	AIR FLOW-CFM	1600	1600
FAN DATA	ESP - INCHES WG	0.3	0.3
	MOTOR HP	3/4	3/4
OUTSIDE AIR-CFM		300	300
	MODEL NO.	4PXC0U60BS3HAA	4PXC0U60BS3HAA
	TOTAL CAPACITY - MBH	54.7	54.7
	ENTERING AIR, DB/WB TEMP -DEG F	80/67	80/67
	LEAVING AIR, DB/WB TEMP - DEG F	58/58	58/58
HEATING CAPACITY	FUEL TYPE	PROPANE	PROPANE
	INPUT-MBH	97	97
	OUTPUT-MBH	92.15	92.15
	AFUE	95	95
ELECTRICAL	VOLTAGE/PHASE/HERTZ	115/1/60	115/1/60
	MCA	12.9	12.9
	MOCPP	20	20
	REMARKS		
FILTER		2" MERV 8	2" MERV 8
WEIGHT		185	185
REMARKS		1,2,3,4	1,2,3,4
CONTROLS			
REMARKS			
1. PROVIDE SERVICE DISCONNECT SWITCH, MOTORIZED TWO-POSITION OUTSIDE AIR DAMPER, FILTER RACK IN RETURN AIR PLENUM.			
2. PROVIDE LP KIT: BAYLPKT210B			
3. PROVIDE MANUFACTURER'S CONCENTRIC VENT KIT: BAYAIR30AVENTA			
4. PROVIDE RECTORSEAL SAFE-T SWITCH MODEL SS2			
CONTROLS:			
A. SEVEN DAY PROGRAMMABLE THERMOSTAT.			

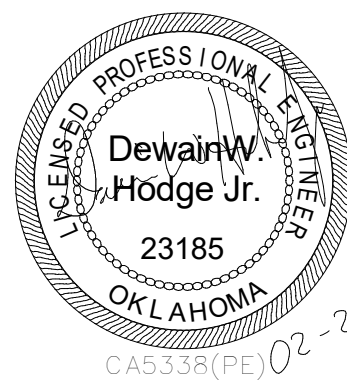
MECHANICAL DUCTWORK AND INSULATION SCHEDULE			
SERVICE	DUCT TYPE	INSULATION TYPE	INSULATION THICKNESS
EXTERIOR RECTANGULAR DUCT	GALVANIZED STEEL SEALED WITH MASTIC JOINT SEALER	BOTH RIGID BOARD AND MATTE FACED LINER	1" RIGID BOARD AND 1" LINER
ALL RUNOUTS TO SUPPLY DIFFUSERS AND RETURN GRILLES CONCEALED ABOVE CEILINGS	ROUND WRAPPED OR RECTANGULAR LINED	FIBERGLASS WRAP OR MATTE FACED FIBERGLASS LINER	2" WRAP OR 1-1/2" LINER
ALL SUPPLY AIR DIFFUSERS (BACKSIDE, NOT EXPOSED TO SPACE)	NA	FIBERGLASS WRAP	2" WRAP

GRILLE, REGISTER, AND DIFFUSER SCHEDULE					
TAG	A	B	C	D	E
MANUFACTURER	TITUS	TITUS	KRUEGER	TITUS	TITUS
MODEL NO.	TMS	TMS	5880	50F	350RL
SERVICE	SUPPLY	SUPPLY	SUPPLY	RETURN / TRANSFER	RETURN / TRANSFER
TYPE	SQUARE CONE	SQUARE CONE	FLOOR GRILLE	EGGGRATE	LOUVERED GRILLE
FACE SIZE OR SLOT LENGTH - IN.	24x24	12x12	REFER TO PLANS	REFER TO PLANS	REFER TO PLANS
NUMBER OF SLOTS / SIZE - IN.	--	--	--	--	--
FINISH	WHITE	WHITE	WHITE	WHITE	WHITE
REMARKS					
GENERAL NOTES:					
A. REFER TO PLANS FOR NECK SIZES.					
B. REFER TO ARCHITECT'S REFLECTED CEILING PLANS TO DETERMINE SURFACE OR LAY-IN MOUNTING FOR CEILING DIFFUSERS.					
REMARKS:					
1. PROVIDE OPPOSED BLADE FACE DAMPER.					

FAN SCHEDULE				
TAG		EF-1	EF-2	EF-3
MANUFACTURER		PANASONIC	PANASONIC	PANASONIC
MODEL NO.		FV-08-11VF5	FV-08-11VF5	FV-08-11VF5
AIR FLOW-CFM		75	75	75
EXT.STATIC PRESS.-IN. WG.		0.2	0.2	0.2
TYPE		CEILING	CEILING	CEILING
FAN TYPE		CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
DRIVE TYPE		DIRECT	DIRECT	DIRECT
FAN RPM		848	848	848
SOUND-SONES		0.3	0.3	0.3
MOTOR	WATTS	20	20	20
	VOLTAGE	120	120	120
	PHASE	1	1	1
ELECTRICAL	HERTZ	60	60	60
	REMARKS	1	1	1
CONTROL		A	A	A
REMARKS:				
1. PROVIDE INTEGRAL DISCONNECT SWITCH, BACKDRAFT DAMPER, VIBRATION ISOLATORS, AND FLEX. CONNECTIONS ON OUTLET				
CONTROL:				
A. INTERLOCK WITH LIGHTS.				

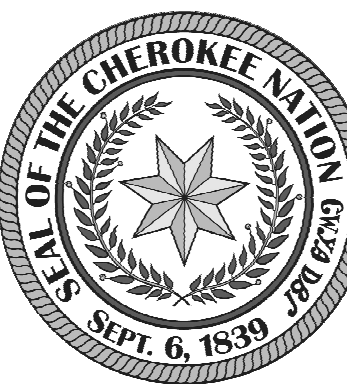


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CERTIFICATE OF AUTHORIZATION 5338  
RENEWAL DATE: 9/30/2019  
HP ENGINEERING INC.  
16 South Lewis Ave  
Tulsa, Oklahoma 74104  
(539) 664-4618

KEY PLAN:



DRAWN FOR:

**CHEROKEE NATION**  
**SALINE COURTHOUSE**  
**RESTORATION**  
ROSE, OK

NO.	REVISION	DATE

PROJECT NUMBER:  
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SHEET TITLE:

**MECHANICAL**  
**SCHEDULES**

**M200**

# ELECTRICAL SYMBOL LEGEND

## ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
GND	GROUND
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSC.
NIC	NOT IN CONTRACT
UG	UNDERGROUND
WP	WEATHERPROOF
EC	ELECTRICAL CONTRACTOR

- ⊕ ABOVE COUNTER RECEPTACLE
- ⊕ QUADRUPLEX RECEPTACLE
- ⊕ SPECIAL RECEPTACLE: VERIFY NEMA TYPE WITH MANUFACTURER
- ⊕ DUPLEX RECEPTACLE
- ⊕ GFI DUPLEX RECEPTACLE
- ⊕ ABOVE COUNTER GFI DUPLEX RECEPTACLE
- ⊕ CEILING MOUNTED RECEPTACLE
- ▲ DIRECT EQUIPMENT CONNECTION: VERIFY CONNECTION DETAILS WITH MANUFACTURER

WIRING CONCEALED IN CEILING OR WALLS. ALL WIRE IS NUMBER #12 AWG MINIMUM.

SWITCH OUTLET MOUNTED AT +48". LOWER CASE LETTER, WHEN PRESENT, INDICATES FIXTURES CONTROLLED.

### ABBREVIATIONS FOR SWITCH OUTLETS

2	DOUBLE POLE SWITCH
3	3-WAY SWITCH
4	4-WAY SWITCH
D	DIMMER SWITCH (1000W MINIMUM)
OS	OCCUPANCY SENSOR
V	VOLUME CONTROL SWITCH
K	KEYED SWITCH
F	FAN SWITCH: DUAL OPERATION WITH DIMMER

○<sub>occ</sub> CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH SPARE DRY CONTACTS. HUBBELL OMNIARIP SERIES.

⊕<sub>▽</sub> FLOOR BOX WITH DATA: HUBBELL 3SFBS WITH 3SFC COVER. EC SHALL ROUTE A 1" C FOR DATA FROM FLOOR BOX TO NEAREST ACCESSIBLE CEILING SPACE. ON FLOOR LEVELS WITH ACCESSIBLE SPACE BELOW USE POKE-THRU STYLE FLOOR BOXES: HUBBELL PT2X2 SERIES.

⊕ 4x4 JUNCTION BOX.

□ EQUIPMENT DISCONNECT: SIZE VARIES WITH EQUIPMENT.

⊕ CEILING MOUNTED SPEAKER

▽ PHONE/DATA: PROVIDE 4X4 JUNCTION BOX AT +18" (UNO) WITH (2) 3/4" CONDUITS (WITH PULL STRINGS) ROUTED TO ACCESSIBLE CEILING SPACE. PROVIDE SINGLE GANG MUD RING WITH BLANK COVER.

⊕ ABOVE COUNTER PHONE/DATA: PROVIDE 4X4 JUNCTION BOX ABOVE COUNTER WITH (2) 3/4" CONDUITS (WITH PULL STRINGS) ROUTED TO ACCESSIBLE CEILING SPACE. PROVIDE SINGLE GANG MUD RING WITH BLANK COVER.

⊕ TELEVISION: PROVIDE 4X4 JUNCTION BOX WITH (2) 3/4" CONDUITS (WITH PULL STRINGS) ROUTED TO ACCESSIBLE CEILING SPACE. PROVIDE SINGLE GANG MUD RING WITH BLANK COVER. CONFIRM HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.

# ELECTRICAL NOTES

1. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRIC CODE, STATE LAWS, AND ALL OTHER REGULATIONS GOVERNING WORK OF THIS NATURE.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIAL, AND LABOR TO SATISFY A COMPLETE AND WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
3. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES AS REQUIRED.
4. CONTRACTOR TO CONFIRM EXACT LOCATION OF EXISTING AND NEW EQUIPMENT WITH OWNERS AGENTS.
5. CONDUIT RUNS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. FINAL ROUTING OF THE CONDUITS SHALL BE DETERMINED BY THE ELECTRICAL CONTRACTOR.
6. FIELD MOUNTED DEVICES SUCH AS SWITCHES, MOTOR STARTERS, RECEPTACLES, ETC., ARE SHOWN IN THEIR APPROXIMATE LOCATION. SWITCH MOUNTING HEIGHT SHALL BE 48" ABOVE FINISHED FLOOR AND RECEPTACLE MOUNTING HEIGHT SHALL BE 18" ABOVE FINISHED FLOOR.
7. POWER WIRING SHALL BE COPPER STRANDED CONDUCTOR WITH "THW" INSULATION RATED 600 VOLTS. MINIMUM WIRE SIZE OF POWER WIRING SHALL BE #12 AWG. LIGHTING AND RECEPTACLE BRANCH CIRCUIT WIRING SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON DRAWINGS OR SCHEDULES.
8. HOME RUN CIRCUITS MORE THAN 75 FEET FROM THE PANEL-BOARD SHALL BE MADE WITH #10 AWG OR LARGER AS REQUIRED TO LIMIT VOLTAGE DROP TO 2% MINIMUM.
9. THE TYPE OF CONDUIT SHALL BE AS FOLLOWS FOR ALL FEEDERS AND DISTRIBUTION CIRCUITS, UNLESS OTHERWISE SPECIFIED.

APPLICATION	TYPE OF CONDUIT
BURIED IN CONCRETE OR OUTDOOR	PVC WITH GALV. RIGID STEEL ELBOWS
SERVICE ENTRANCE	GALV. RIGID STEEL
SUPPLY TO DISTRIBUTION PANELS AND HVAC EQUIPMENT	EMT
BRANCH CIRCUITS	EMT
LINE, LOAD AND CONTROL WIRING FOR VFD EQUIPMENT	EMT

10. MC CABLE AND SER CABLE SHALL ONLY BE USED WITH SPECIFIC PERMISSION FROM THE ENGINEER AND ONLY WHERE ALLOWED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

11. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL GROUNDING SYSTEMS (AS REQUIRED) IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.

12. ALL RECEPTACLES SHALL BE GROUNDING TYPE.

13. PROVIDE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTED OUTLETS WHERE REQUIRED BY THE NATIONAL ELECTRIC CODE.

14. ALL ELECTRIC MATERIALS AND EQUIPMENT FOR THE PROJECT SHALL BE NEW AND U.L. OR EQUALLY APPROVED.

15. CONTRACTOR TO CONFIRM EXACT LOCATION OF METERS WITH ELECTRIC UTILITY.

16. SUBMIT TO THE OWNER CERTIFICATES OF INSPECTIONS IN DUPLICATE FROM AN APPROVED INSPECTION AGENCY UPON COMPLETION.

17. PERFORMANCE AND WITNESSING OF TESTS

17.1. THE CONTRACTOR SHALL FURNISH ALL INSTRUMENTS AND QUALIFIED PERSONNEL OR FIRM TO PERFORM ALL REQUIRED TESTS.

17.2. ALL NEW AND RECONNECTED ELECTRICAL CIRCUITS SHALL BE TESTED TO INSURE CIRCUIT CONTINUITY, INSULATION RESISTANCE, PROPER SPLICING AND GROUNDING IN ACCORDANCE WITH THE LATEST STANDARDS AS STATED ABOVE. BEFORE CONNECTING POWER CABLES TO MOTORS, THE INSULATION RESISTANCE OF ALL MOTOR WINDINGS SHALL BE TESTED IN ACCORDANCE WITH THE ABOVE STANDARDS.

17.3. ANY CONTRACTOR FURNISHED AND/OR INSTALLED SPLICE, RECOMMENDED VOLTAGE AND INSULATION RESISTANCE TESTS, SHALL BE CONNECTED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

17.4. NO EQUIPMENT SHALL BE ENERGIZED UNTIL ALL TESTS AND ADJUSTMENTS HAVE BEEN MADE. THREE COPIES OF ALL TEST RESULTS SHALL BE DELIVERED TO THE OWNER.

18. ALL ELECTRICAL WORK SHALL BE COORDINATED WITH THE MECHANICAL WORK AS CALLED FOR IN MECHANICAL SPECIFICATIONS. THE CONTRACTOR SHALL BE FAMILIAR WITH THE ENTIRE SET OF PLANS. CHECK ARCHITECTURAL ELEVATIONS AND COORDINATE MOUNTING HEIGHTS OF DEVICES WITH MILLWORK PRIOR TO ROUGH-IN.

19. EC SHALL PROVIDE A 4" W X 4" H X 3/4" PLYWOOD MOUNTING BOARD WHERE SHOWN ON DRAWINGS FOR TELEPHONE/CATV/ALARM SYSTEM EQUIPMENT, ETC.

20. DUCT MOUNTED SMOKE DETECTORS ARE TO BE INCLUDED IN FIRE ALARM DESIGN PER NFPA 72 AND NFPA 90. THEY SHALL BE FURNISHED BY FIRE ALARM CONTRACTOR AND INSTALLED IN DUCT BY MECHANICAL CONTRACTOR. INTERLOCK WIRING BETWEEN FIRE ALARM SYSTEM RELAY AND HVAC UNIT SHUTDOWN CONTACT SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. ALL OTHER WIRING SHALL BE BY FIRE ALARM CONTRACTOR. UPON SMOKE DETECTION SIGNAL FROM FIRE ALARM SYSTEM HVAC UNIT SHALL SHUTDOWN. REFER TO MECHANICAL PLANS FOR LOCATIONS/QUANTITIES OF HVAC UNITS THAT REQUIRE DUCT MOUNTED SMOKE DETECTORS.

# ELECTRICAL NOTES

21. FIELD VERIFY LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, INCLUDING POWER POLES, TELEPHONE PEDESTALS, OVERHEAD AND UNDERGROUND FEEDERS, METERS, PANELS, DEVICES, ETC. PROVIDE FOR COORDINATION WITH EXISTING EQUIPMENT.

22. PROVIDE 3/4" CONDUIT, AND 4" SQUARE BOX WITH SINGLE GANG DEVICE RING FOR ALL THERMOSTAT LOCATIONS INDICATED ON THE MECHANICAL DRAWINGS. ROUTE CONDUIT FROM BOX TO ACCESSIBLE CEILING CAVITY. PROVIDE PLASTIC BUSHINGS ON EXPOSED CONDUIT ENDS. PROVIDE PULL STRING IN ALL EMPTY CONDUIT SYSTEMS. COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. IF WIRELESS THERMOSTATS ARE SPECIFIED, NO WORK IS REQUIRED.

23. PROVIDE CABLE HOOKS ABOVE CEILING ON 6" CENTERS IN ALL CORRIDORS. MOUNT 6 INCHES ABOVE CEILING.

24. COORDINATE MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. LOCATE FEEDERS, DISCONNECTS AND MAINTENANCE RECEPTACLES SO THAT THEY WILL NOT INTERFERE WITH OPERATION OR MAINTENANCE OF MECHANICAL EQUIPMENT.

25. CONNECT EXIT LIGHTS TO UNSWITCHED PORTION OF ADJACENT LIGHTING CIRCUIT. DO NOT SWITCH.

26. EMERGENCY LIGHTS ARE SHOWN HATCHED. PROVIDE EMERGENCY BALLAST. PROVIDE "HOT" WIRE TO EMERGENCY BALLAST. SWITCH FIXTURE AS INDICATED ON PLANS.

27. COORDINATE ALL CEILING MOUNTED ELECTRICAL ITEMS WITH OTHER DISCIPLINES AND WITH CEILING GRID & BAR JOIST. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.

28. WHERE RECESSED LIGHTING FIXTURES ARE INDICATED IN A FIRE RATED CEILING, PROVIDE A ONE HOUR RATED "TENT" FOR FIXTURE.

29. WHERE SHOWER LIGHT SWITCHES ARE ACCESSIBLE FROM SHOWER, EC SHALL USE NYLON SCREWS IN FACEPLATE.

30. LAY-IN FIXTURES IN GRID CEILINGS SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE WITH #12 AWG WIRE AT EACH CORNER. THE CEILING GRID SHALL NOT BE USED AS THE PRIMARY MEANS OF SUPPORTING A LAY-IN FIXTURE.

31. ELECTRICAL CONTRACTOR SHALL VERIFY CHEVRON DIRECTIONS OF ALL EXIT SIGNS PRIOR TO ORDERING.

32. COORDINATE DEVICE LOCATIONS WITH MILLWORK AND FURNITURE PLANS PRIOR TO ROUGH-IN. LOCATIONS OF DEVICES SHOWN ON PLANS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE DEVICE LOCATIONS WITH ALL TRADES. DEVICES INSTALLED AT INACCESSIBLE LOCATIONS BEHIND CABINETS OR MILL WORK IS NOT ACCEPTABLE. COORDINATE THE MOUNTING HEIGHT OF ALL DEVICES PRIOR TO ROUGH-IN.

33. FIRE ALARM CONTRACTOR SHALL SUBMIT FIRE ALARM DRAWINGS TO BE APPROVED BY FIRE MARSHAL. EC SHALL BE RESPONSIBLE FOR ANY ADDITIONAL FIRE ALARM DEVICE ROUGH-INS AT THE DIRECTION OF THE FIRE MARSHAL AT FINAL INSPECTION AT NO ADDITIONAL COST TO THE OWNER. EXISTING FIRE ALARM SYSTEMS IN REMODEL AND EXPANSION PROJECTS ARE TO BE BROUGHT UP TO CURRENT CODES AT THE DIRECTION OF THE STATE FIRE MARSHAL.

34. ELECTRICAL SERVICE

34.1. COORDINATE ALL SERVICE AND METERING DETAILS INCLUDING ANY RELOCATION OF EXISTING UTILITY LINES WITH POWER COMPANY. CONTRACTOR MUST VISIT THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.

POWER COMPANY CONTACT:

34.2. PAY ANY POWER COMPANY FEES CHARGED TO OWNER FOR SERVICE AND UTILITY LINE WORK ASSOCIATED WITH THIS PROJECT. THESE COSTS SHALL BE INCLUDED IN BIDS.

34.3. FURNISH AND INSTALL MATERIALS FOR A TEMPORARY CONSTRUCTION SERVICE AS REQUIRED.

34.4. FURNISH AND/OR INSTALL ALL REQUIRED MATERIAL AND LABOR IN COMPLIANCE WITH POWER COMPANY REQUIREMENTS TO PROVIDE A COMPLETE ELECTRICAL SERVICE, INCLUDING TRENCHING AND BACK FILLING, PRIMARY CONDUIT, CONCRETE TRANSFORMER PAD, SECONDARY CONDUITS AND CABLES, C.T. CABINET, AND GROUNDING SYSTEM.

35. TELEPHONE SERVICE ENTRANCE

35.1. FURNISH AND INSTALL A TELEPHONE SERVICE CONDUIT. STUB UP AT DESIGNATED EQUIPMENT BOARD +12" ABOVE FLOOR AND CAP. INSTALL 24" UNDERGROUND TO TELEPHONE COMPANY SERVICE LOCATION.

35.2. EC SHALL COORDINATE PHONE BOARD LOCATION AND PHONE SERVICE CONDUITS WITH BUILDING OWNER AND EXISTING BUILDING DATA SERVICE PRIOR TO ROUGH-IN.

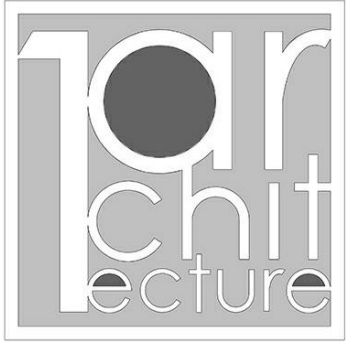
35.3. ONE #6 COPPER INSULATED GROUND WIRE FROM THE ELECTRICAL SERVICE GROUND TO THE TELEPHONE EQUIPMENT BOARD. LEAVE 36" EXTRA WIRE AT FREE END.

36. CABLE TV SERVICE ENTRANCE

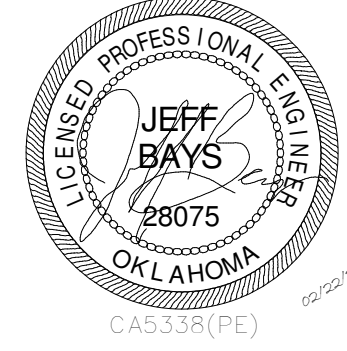
36.1. FURNISH AND INSTALL A CABLE TV SERVICE CONDUIT. STUB UP AT DESIGNATED EQUIPMENT BOARD +12" ABOVE FINISH FLOOR AND CAP. INSTALL 24" UNDERGROUND TO CABLE TV COMPANY SERVICE LOCATION.

36.2. REFER TO SITE UTILITIES PLAN AND COORDINATE ENTIRE INSTALLATION WITH CABLE TV COMPANY.

37. ALUMINUM CONDUCTORS SHALL NOT BE CONSIDERED OR USED WITHOUT WRITTEN APPROVAL FROM THE PROJECT OWNER/TENANT, DESIGN TEAM, SERVING UTILITY COMPANY, AND ANY AHJ INCLUDING BUT NOT LIMITED TO LOCAL, CITY, STATE, AND FEDERAL THAT HAS JURISDICTION OVER THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WRITTEN APPROVAL FOR EACH APPLICATION OF USE FROM ALL ENTITIES AS DESCRIBED ABOVE AND PROVIDING EACH OF THE DESIGN TEAM MEMBERS WITH A CERTIFIED COPY OF THE APPROVAL. THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR THE USE OF ALUMINUM CONDUCTORS IF WRITTEN APPROVAL HAS NOT BEEN OBTAINED AS DESCRIBED ABOVE.



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CADSSR(PE)



CERTIFICATE OF AUTHORIZATION 5338  
RENEWAL DATE: 6/30/2019

HP ENGINEERING, INC.  
16 South Lewis Ave  
Tulsa, Oklahoma 74104  
5338 664-6119

KEY PLAN:



DRAWN FOR:

**CHEROKEE NATION**

**SALINE COURTHOUSE RESTORATION**

ROSE, OK

NO.	REVISION	DATE

PROJECT NUMBER:

1408-018

ISSUE:

BID SET

DATE:

02.23.18

DRAWN BY:

VS

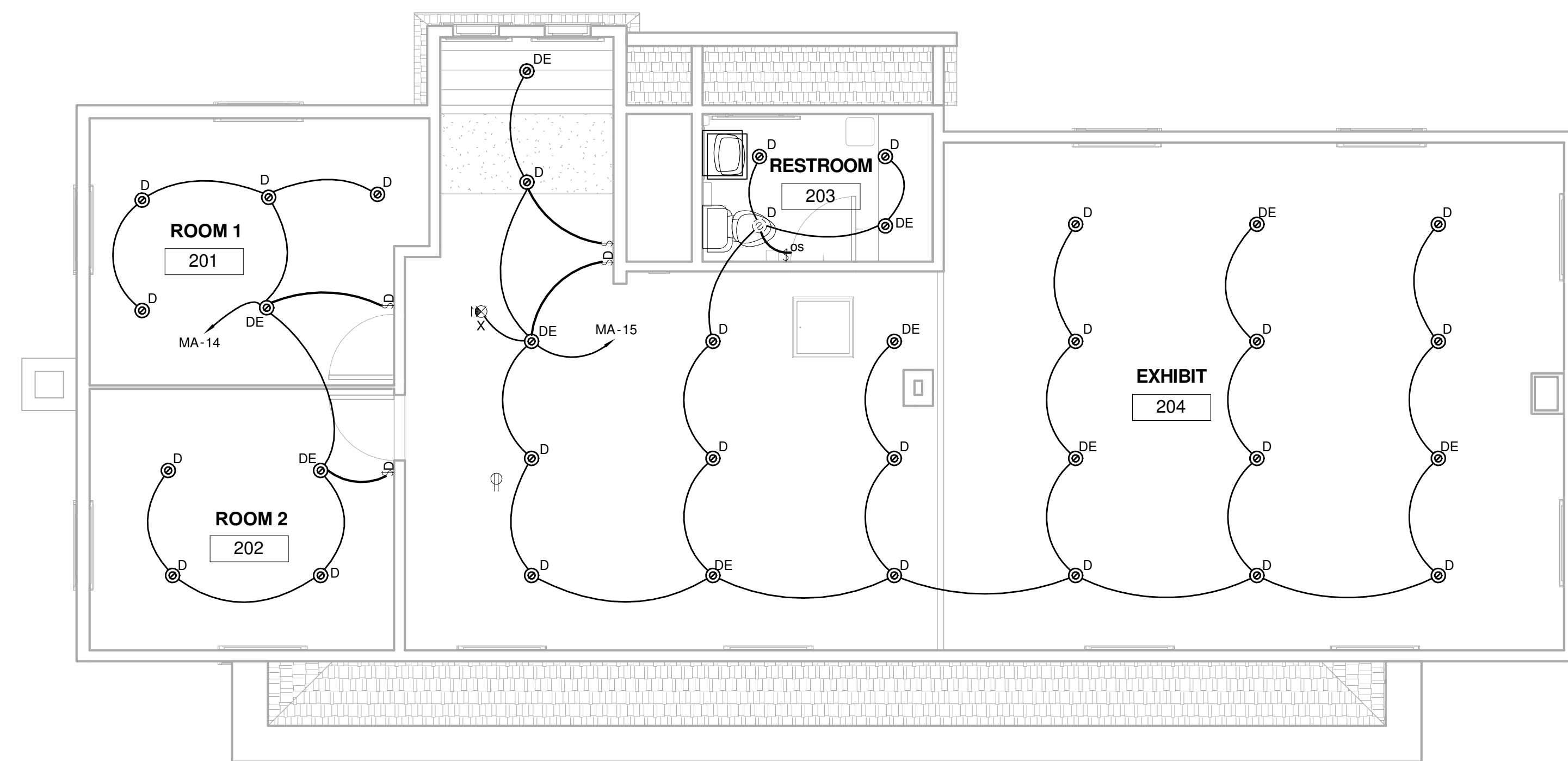
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JB

SHEET TITLE:

**ELECTRICAL NOTES AND LEGEND**

**E001**



**2 LIGHTING PLAN - 2ND FLOOR**  
1/4" = 1'-0"

TYPE	MANUF.	DESCRIPTION	MODEL	BULB	VOLTAGE	WATTS	NOTES
C	METALUX	4FT. SUSPENDED STRIP LIGHT	4SRL-LD5-44SL-LW-UNV-L827-CD1-SPVD2-U	LED	120V	37W	--
CE	METALUX	4FT. SUSPENDED STRIP LIGHT W/EM	4SRL-LD5-44SL-LW-UNV-EL14W-827-CD1-SPVD2-U	LED	120V	37W	1,2
D	HALO	6" LED DOWNLIGHT	PD615-D010BREM-PDM68827-64V-W	LED	120V	14W	--
DE	HALO	6" INCANDESCENT DOWNLIGHT W/EM	PD615-D010BIEMV14-PDM68827-64V-W	LED	120V	14W	1
E	SHADES OF LIGHT	SUSPENDED CHANDELIER W/6-60W BULBS	SKU# CH16091 - DARKENED RUBBED BRONZE	INCAN.	120V	360W	1
S	HINKLEY	EXTERIOR WALL SCONCE	BINGHAM 2044SN - SIENNA	INCAN.	120V	120W	--
TL1	HALO	TRACK LIGHT FIXTURE	L808-15SP-9027W	LED	120V	5W	--
TR	HALO	TRACK RAIL	4.5FT AND 6FT TRACKS, END CAPS AND JOINER	--	120V	--	--
WE	MCGRAW-EDISON	EXTERIOR WALLPACK FIXTURE W/EM	ISC-AF-800-LED-E1-T3-W-BBB	LED	120V	44W	1
X	ISOLITE	LED EDGE-LIT EXIT SIGN	ELT-FT-EM-G-1C-WH-RC-UC-SD	LED	120V	4W	1

**LIGHTING NOTES:**

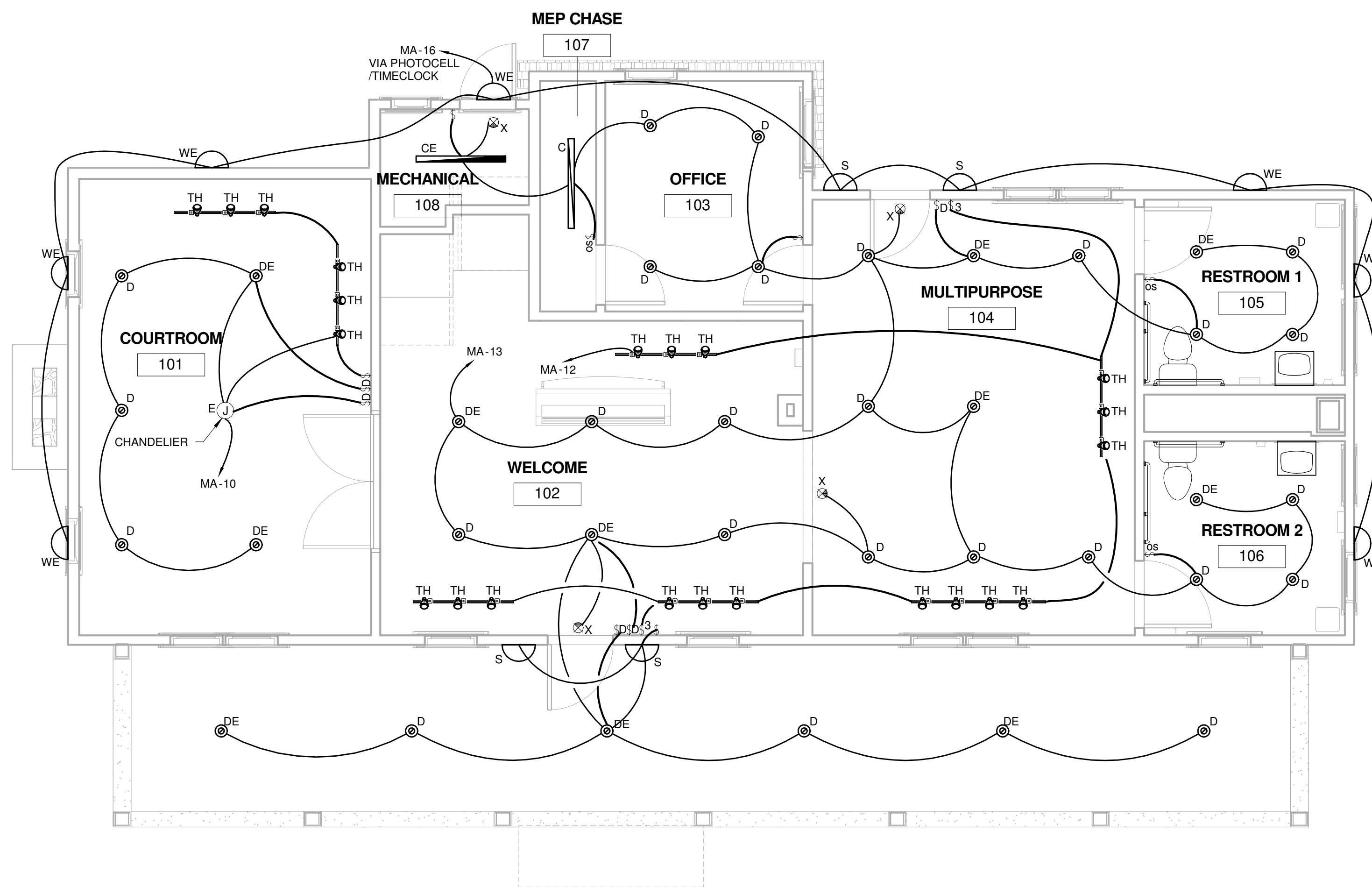
1. FIXTURE UTILIZES AN EMERGENCY BATTERY BACKUP SYSTEM AND SHALL PROVIDE A MINIMUM OF 1 FOOT CANDLE FOR 90 MINUTES OF BACKUP POWER.
2. CONTRACTOR TO WIRE LAMPS TO EMERGENCY BALLAST.

**GENERAL NOTES:**

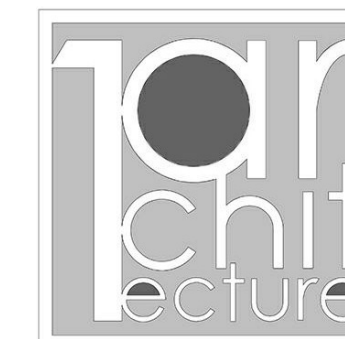
- A. EC SHALL PROVIDE ALL ACCESSORIES FOR A COMPLETE ASSEMBLY INCLUDING MOUNTING HARDWARE.
- B. THE MOUNTING TYPE OF EACH FIXTURE SHALL BE COMPATIBLE WITH INSTALLATION SURFACE OF EACH FIXTURE.
- C. ALL FINISHES SHALL BE COORDINATED WITH ARCHITECT AND DOCUMENTED ON SUBMITTALS.
- D. PROVIDE BALLAST (EQUAL TO BODINE B50), BATTERIES & CHARGER FOR EMERGENCY OPERATION.
- E. PROVIDE A COLD WEATHER RATED BALLAST FOR OUTDOOR APPLICATIONS.

**GENERAL LUMINAIRE SCHEDULE NOTES**

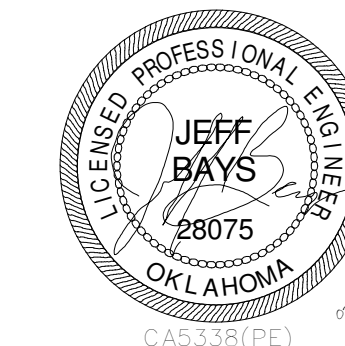
- A) CONFIRM ALL FINISH OPTIONS WITH ARCHITECT PRIOR TO ORDERING.
- B) PROVIDE A SUBMITTAL PACKAGE INCLUDING CUT SHEETS FOR EACH FIXTURES.
- C) VERIFY THE MOUNTING TYPE OF EACH FIXTURE IS COMPATIBLE WITH ITS FINAL INSTALLATION SURFACE PRIOR TO ORDERING FIXTURES.
- D) PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE ASSEMBLY, INCLUDING MOUNTING HARDWARE.
- E) SUBSTITUTION REQUESTS MUST BE MADE AT LEAST (5) FULL BUSINESS DAYS PRIOR TO THE CLOSE OF BID.
- F) SITE LIGHTING AND ARCHITECTURAL LANDSCAPING FIXTURE SUBSTITUTION REQUESTS WILL NOT BE REVIEWED UNLESS ACCOMPANIED BY A PHOTOMETRIC LAYOUT.



**1 LIGHTING PLAN - 1ST FLOOR**  
1/4" = 1'-0"

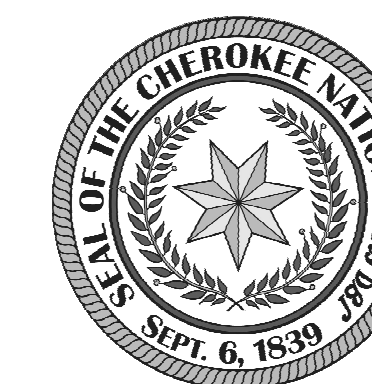


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CERTIFICATE OF AUTHORIZATION 5338  
RENEWAL DATE: 6/30/2019  
HP ENGINEERING, INC.  
16 South Lewis Ave.  
TULSA, OKLAHOMA 74104  
5338 664-6113

KEY PLAN:



DRAWN FOR:

**CHEROKEE NATION**  
**SALINE COURTHOUSE**  
**RESTORATION**  
ROSE, OK

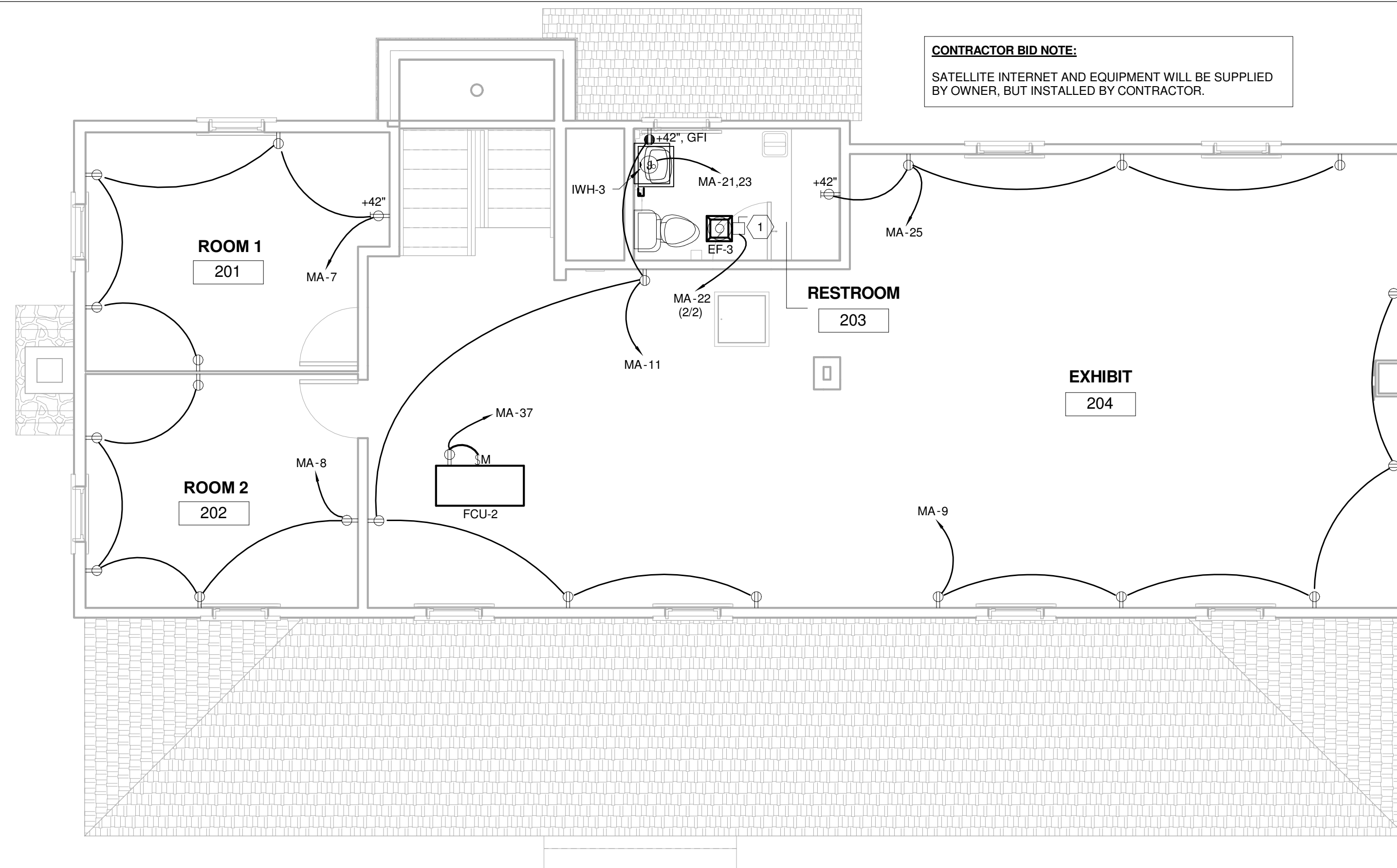
NO.	REVISION	DATE

PROJECT NUMBER:  
1408-018  
ISSUE:  
BID SET  
DATE:  
02.23.18  
DRAWN BY:  
VS  
CHECKED BY:  
JB  
SHEET TITLE:

**LIGHTING PLANS**

**E100**



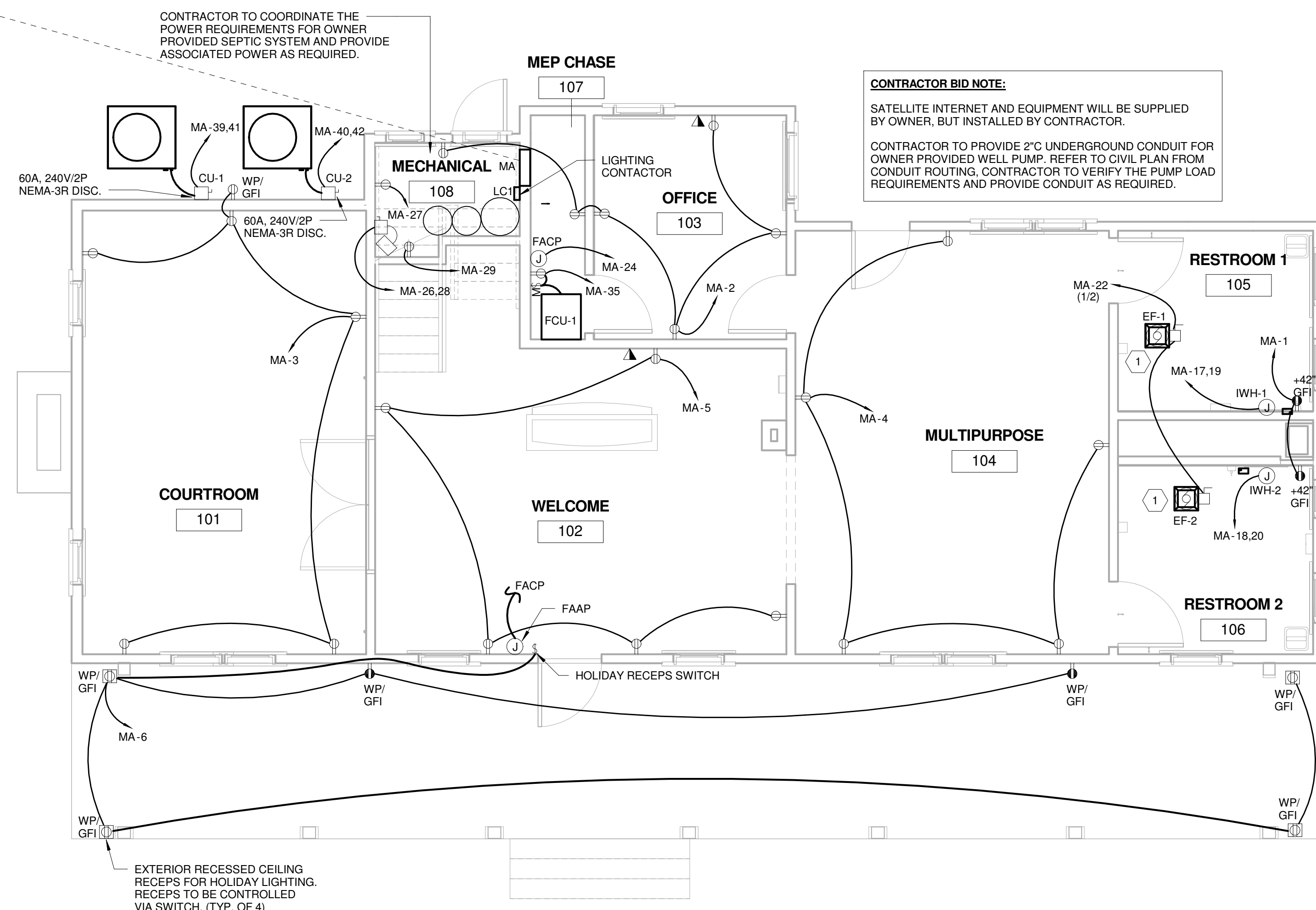


**POWER KEYNOTES**  $\diamond$

1) EF-1, EF-2 AND EF-3 TO BE INTERLOCKED WITH ASSOCIATED RESTROOM LIGHTING CIRCUIT AND CONTROLS.

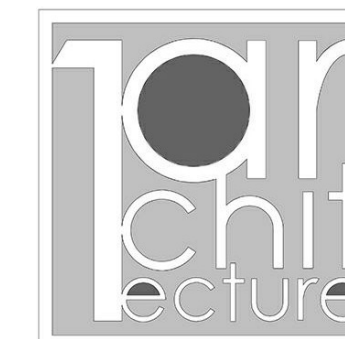
**2 POWER PLAN - 2ND FLOOR**  
1/4" = 1'-0"

EXISTING UTILITY POLE AND TRANSFORMER (FIELD VERIFY THE EXACT LOCATION PRIOR TO BID)  
**REF:** CIVIL PLAN FOR EXACT LOCATION

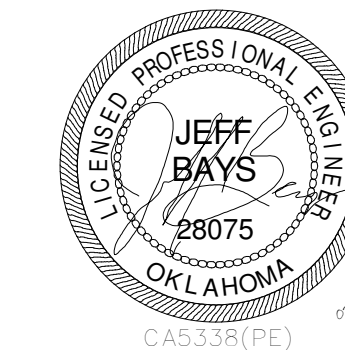


**1 POWER PLAN - 1ST FLOOR**  
1/4" = 1'-0"

EXTERIOR RECESSED CEILING RECEPS FOR HOLIDAY LIGHTING. RECEPS TO BE CONTROLLED VIA SWITCH. (TYP. OF 4)



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CERTIFICATE OF AUTHORIZATION 5338  
RENEWAL DATE: 6/30/2019  
HP ENGINEERING, INC.  
16 South Lewis Ave.  
TULSA, OKLAHOMA 74104  
5338 664-4613

KEY PLAN:



DRAWN FOR:

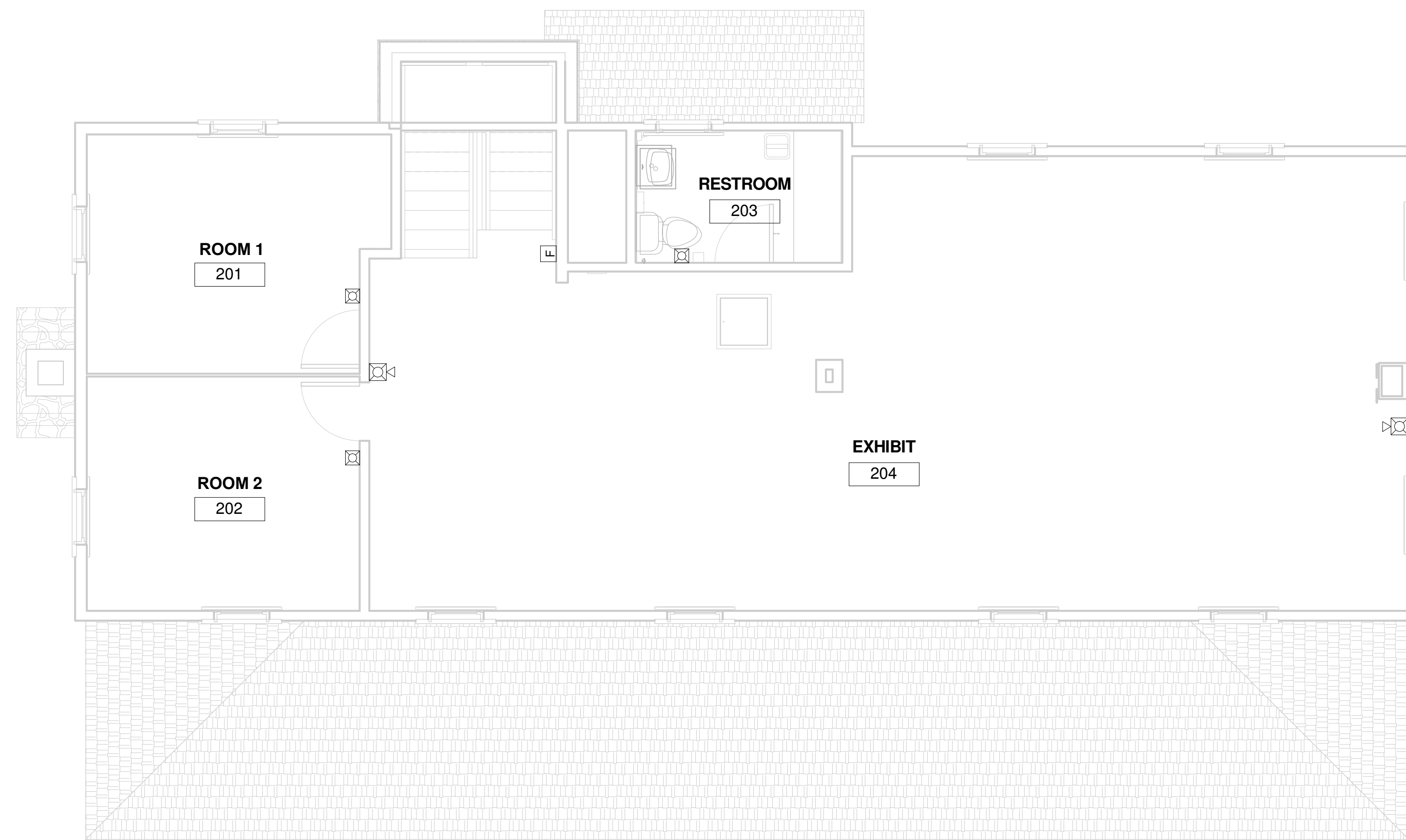
**CHEROKEE NATION**  
**SALINE COURTHOUSE RESTORATION**  
ROSE, OK

NO.	REVISION	DATE

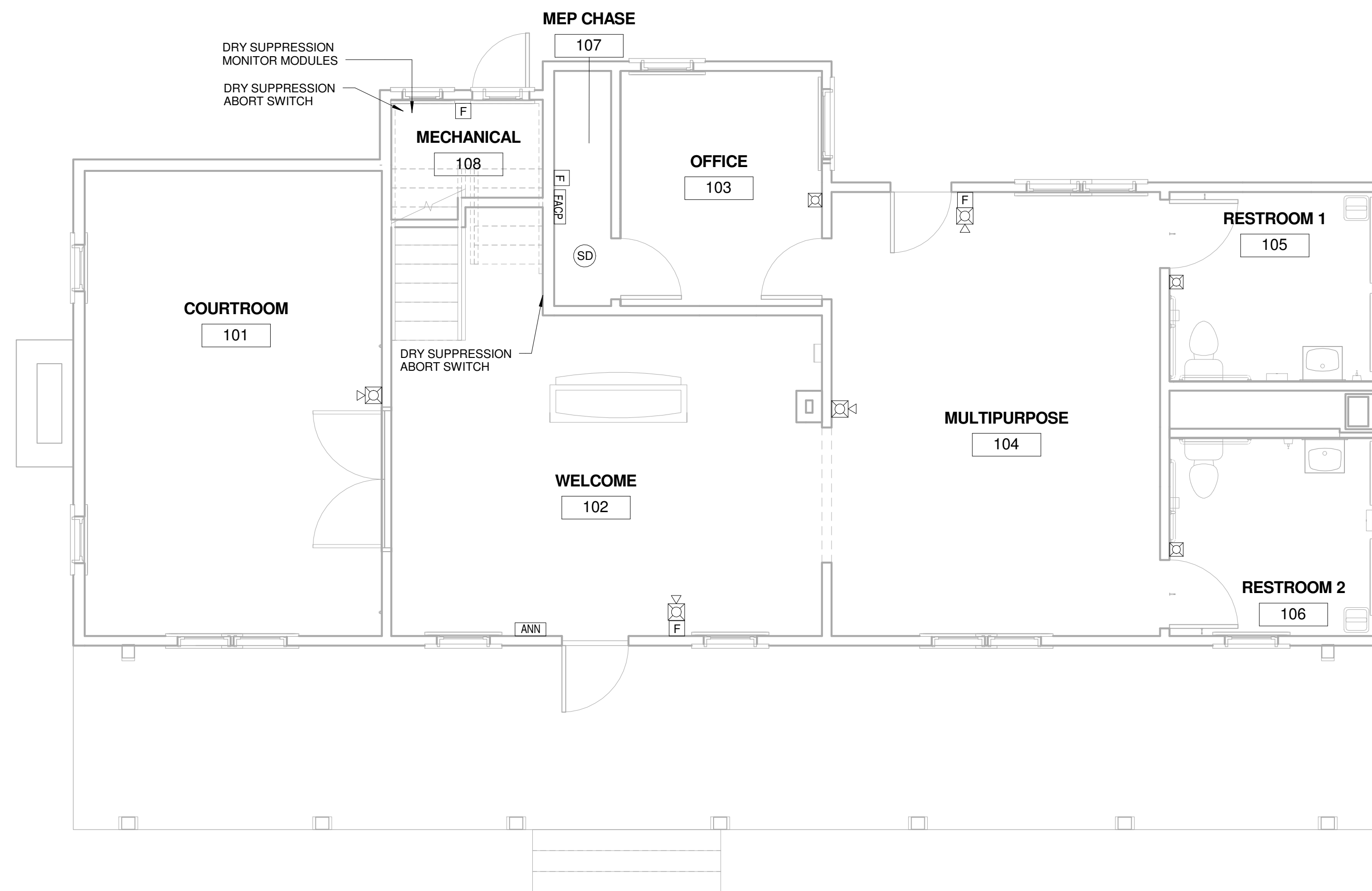
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VS  
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JB  
SHEET TITLE:

**POWER PLANS**

**E200**



**2 SYSTEM PLAN - 2ND FLOOR**  
1/4" = 1'-0"



**1 SYSTEM PLAN - 1ST FLOOR**  
1/4" = 1'-0"

FIRE ALARM SYMBOLS LEGEND	
(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)	
SYMBOL	DESCRIPTION
[FACP]	FIRE ALARM CONTROL PANEL
[ANN]	FIRE ALARM ANNUCIATOR PANEL
[P]	PULL STATION
[SD]	SMOKE DETECTOR
[M] OR [M2]	MONITOR MODULE OR MONITOR/CONTROL RELAY MODULE
[SFS] OR [SFS2]	SPRINKLER FLOW SWITCH OR SPRINKLER TAMPER SWITCH
[S]	STROBE ONLY, WALL OR CEILING MOUNT
[S/S]	SOUNDER/STROBE, WALL OR CEILING MOUNT

**CLEAN AGENT FIRE SUPPRESSION GENERAL NOTES**

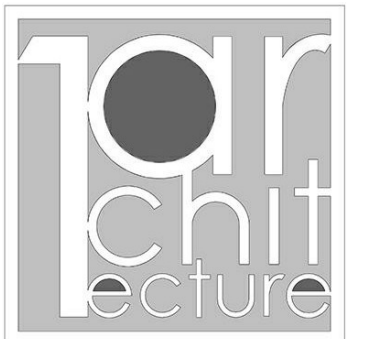
1. THE NAME OF THE MANUFACTURER SHALL APPEAR ON ALL MAJOR COMPONENTS.
2. ALL DEVICES, COMPONENTS, AND EQUIPMENT SHALL BE THE PRODUCTS OF THE SAME MANUFACTURER.
3. ALL DEVICES AND EQUIPMENT SHALL BE UL LISTED AND FM APPROVED.
4. THE INSTALLING CONTRACTOR SHALL BE AN EXPERIENCED FIRM REGULARY ENGAGED IN THE INSTALLATION OF AUTOMATIC CLEAN AGENT, OR SIMILAR FIRE SUPPRESSION SYSTEMS IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.
5. THE SYSTEM SHALL BE COMPLETE IN ALL WAYS. IT SHALL INCLUDE ALL MECHANICAL AND ELECTRICAL INSTALLATION, ALL DETECTION AND CONTROL EQUIPMENT, AGENT STORAGE CONTAINERS, FM-200 AGENT, DISCHARGE NOZZLES, PIPE AND FITTINGS, MANUAL RELEASE AND ABORT STATIONS, AUDIBLE AND VISUAL ALARM DEVICES, AUXILIARY DEVICES AND CONTROLS, SHUTDOWNS, ALARM INTERFACE, CAUTION/ADVISORY SIGNS, FUNCTIONAL CHECKOUT AND TESTING, TRAINING AND ALL OTHER OPERATIONS NECESSARY FOR A FUNCTIONAL, UL LISTED AND FM APPROVED FM-200 CLEAN AGENT FIRE SUPPRESSION SYSTEM.
6. EACH SYSTEM SHALL HAVE ITS OWN SUPPLY OF CLEAN AGENT.
7. THE SYSTEM DESIGN SHALL BE A CENTRAL STORAGE.
8. SYSTEMS SHALL BE DESIGNED IN ACCORDANCE WITH THE MANUFACTURE'S GUIDELINES.
9. THE CLEAN AGENT SHALL BE STORED IN ANSUL AGENT CONTAINERS. CONTAINERS SHALL BE SUPPER PRESSURIZED WITH DRY NITROGEN TO AN OPERATING PRESSURE OF 360 PSI AT 70 DEGRESS. CONTAINERS SHALL BE OF HIGH STRENGTH LOW ALLOY STEEL CONSTRUCTION AND CONFORM TO NFPA 2001.

**FIRE ALARM GENERAL NOTES**

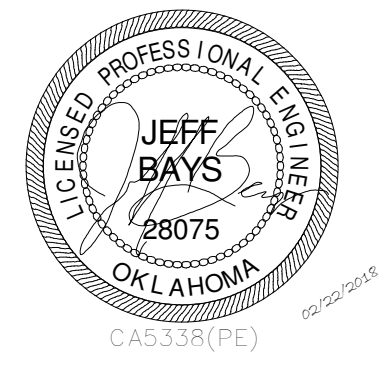
1. FIRE ALARM SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH NFPA 70 AND NFPA 72. SYSTEM SHALL ALSO MEET ALL APPLICABLE BUILDING CODES, FIRE CODES AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER. VERIFY REQUIREMENTS PRIOR TO BID SUBMITTAL.
2. INFORMATION ON CONTRACT DOCUMENTS IS GENERAL INFORMATION AND FOR BID PURPOSES ONLY. PERFORM REQUIRED CALCULATIONS AND COORDINATE WITH OTHER TRADES. DEVIATIONS FROM ENGINEERS LAYOUT WILL NOT BE CONSIDERED UNLESS A FORMALLY SUBMITTED RFI IS RECEIVED AND APPROVED.
3. PROVIDE ADDITIONAL MATERIALS AND LABOR REQUIRED DUE TO LACK OF COORDINATION OR TO MEET AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
4. PROVIDE ALL EQUIPMENT AND LABOR REQUIRED FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM.
5. THE FIRE ALARM CONTROL PANEL AND REMOTE ANNUCIATOR LOCATIONS SHOWN SHALL BE COORDINATED WITH THE FIRE DEPARTMENT AND AHJ PRIOR TO INSTALLATION.
6. PROVIDE CONNECTION OF THE FIRE ALARM SYSTEM TO A UL LISTED CENTRAL RECEIVING STATION.
7. PROVIDE KNOX BOX FOR FIRE DEPARTMENT ACCESS. CONNECT TAMPER SWITCH TO FIRE ALARM CONTROL PANEL IF REQUIRED BY AHJ.
8. PROVIDE CONNECTION TO EXTERIOR SUPPRESSION ALARM BELL.
9. PROVIDE NOTIFICATION, INITIATING AND MONITORING DEVICES AS INDICATED ON THE DRAWINGS. FIRE ALARM DEVICES SHALL BE OF ONE MANUFACTURER AND SHALL BE LISTED FOR USE WITH THE FIRE ALARM CONTROL PANEL.
10. PROVIDE NOTIFICATION APPLIANCE CIRCUIT PANEL(S) AS REQUIRED TO POWER NOTIFICATION DEVICES. CONNECT TO FIRE ALARM SYSTEM.
11. AUDIBLE NOTIFICATION DEVICES SHALL SOUND UNTIL SILENCED AT THE CONTROL PANEL OR REMOTE ANNUCIATOR (IF APPLICABLE). VISUAL ALARM IS DISPLAYED UNTIL DEVICE IS RETURNED TO ITS NORMAL POSITION OR SUPERVISORY CONDITION IS CLEARED.
12. ROOF TOP AIR DISTRIBUTION SYSTEMS EXCEEDING 2,000 CFM: PROVIDE DUCT MOUNTED SMOKE DETECTORS FOR AIR HANDLING UNIT SHUTDOWN AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MONITOR MODULE FOR SUPPLY AIR DUCT DETECTOR AND RELAY/MONITOR MODULE FOR RETURN AIR DUCT DETECTOR. REFER TO MECHANICAL SHEETS FOR AIR HANDLING UNIT AND DUCTWORK LAYOUT AND DETAILS.
13. DUCT SMOKE DETECTION SHALL TRANSMIT A SUPERVISORY SIGNAL TO THE FACP.
14. AIR HANDLING SYSTEMS THAT ARE MONITORED SHALL SHUTDOWN AND REMAIN DOWN UNTIL MANUALLY RESET.
15. FORWARD COMPLETED FIRE ALARM CERTIFICATE OF COMPLETION TO THE OWNER.
16. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

**INSTALLATION NOTES**

1. SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 72 AND LOCAL CODES AND REGULATIONS. ALL EQUIPMENT AND MATERIALS SHALL BE UL LISTED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION
2. FIRE ALARM CONTROL PANEL SHALL BE MODULAR, POWER-LIMITED DESIGN WITH ELECTRONIC MODULES, UL 864 LISTED, AND DESIGNED TO TRANSMIT ALARM, TROUBLE, AND SUPERVISORY SIGNALS TO A UL LISTED CENTRAL STATION THROUGH A DIGITAL ALARM COMMUNICATOR TRANSMITTER AND (2) DEDICATED TELEPHONE LINES
3. PROVIDE 120VAC POWER THROUGH DEDICATED LOCKING BREAKER AT POWER PANEL.
4. GROUND THE FACP AND ALL ASSOCIATED CIRCUITS. INSTALL A #6 AWG GROUND WIRE FROM THE TELE-COMMUNICATIONS EQUIPMENT GROUNDING POINT TO THE FACP.
5. SYSTEM SHALL INCLUDE 24V DC POWER SYSTEM WITH SEALED LEAD CALCIUM BATTERIES AND AUTOMATIC BATTERY CHARGER IN ACCORDANCE WITH NFPA 72
6. PROVIDE TWO DEDICATED TELEPHONE LINES TERMINATED WITH (2) RJ-31X MODULAR OUTLETS AT DACT LOCATION
7. INTERFACE WITH AND MONITOR ALL FIRE SUPPRESSION SYSTEM DEVICES INCLUDING (BUT NOT LIMITED TO) SPRINKLER FLOW AND TAMPER SWITCHES.
8. WIRE AND CABLE SHALL BE UL LISTED AND LABELED AS COMPLYING WITH NFPA 70, ARTICLE 760. SIGNALING LINE CIRCUITS TO BE TWISTED, SHIELDED PAIR, SIZED AS RECOMMENDED BY SYSTEM MANUFACTURER. NON-POWER-LIMITED CIRCUITS TO BE SOLID-COPPER CONDUCTORS WITH 600-V RATED, 75 DEG C, COLOR-CODED INSULATION
  - 8.1 LOW-VOLTAGE CIRCUITS: NO. 16 AWG, MINIMUM
  - 8.2 LINE-VOLTAGE CIRCUITS: NO. 12 AWG, MINIMUM
9. MOUNT FIRE ALARM PANEL AND REMOTE ANNUCIATORS AT 60" A.F.F. TO CENTER OF DISPLAY.
10. MOUNT FIRE ALARM PULL STATIONS AT 42" A.F.F. TO TOP OF HANDLE, UNLESS NOTED OTHERWISE.
11. WALL MOUNTED NOTIFICATION DEVICES TO BE MOUNTED AT 80" A.F.F. TO BOTTOM OF DEVICE, UNLESS NOTED OTHERWISE.
12. CEILING MOUNTED NOTIFICATION DEVICES IN AREAS OPEN TO ROOF STRUCTURE TO BE MOUNTED TO BOTTOM OF JOISTS OR 30" 0" A.F.F., WHICHEVER IS LOWER IN ACCORDANCE WITH NFPA 72 REQUIREMENTS.
13. INSTALL AND TEST SYSTEMS ACCORDING TO NFPA 72. COMPLY WITH NECA 1
14. TEST ALL SYSTEM DEVICES FOR PROPER OPERATION IN THE PRESENCE OF THE AHJ AND OTHER OFFICIALS INSPECTING THE FIRE ALARM SYSTEM
15. IF REQUIRED BY THE LOCAL AHJ, EQUIPMENT DATA SHEETS AND BATTERY CALCULATIONS IN ACCEPTANCE WITH NFPA 72 SHALL BE PERFORMED BY THE FIRE ALARM SYSTEM MANUFACTURER/INSTALLER TO MATCH EQUIPMENT TO BE INSTALLED
16. SYSTEM INSTALLER SHALL BE A LICENSED FIRE ALARM CONTRACTOR IN THE RESPECTIVE STATE OF THIS PROJECT



LArchitecture, LLC  
483 E. 4th St.  
Tulsa, OK 74103  
PH: 512.764.0336



CERTIFICATE OF AUTHORIZATION 5338  
RENEWAL DATE: 6/30/2019  
HP ENGINEERING, INC.  
16 South Lewis Ave  
TULSA, OKLAHOMA 74104  
5338 664-6119



DRAWN FOR:  
**CHEROKEE NATION**  
**SALINE COURTHOUSE RESTORATION**  
ROSE, OK

NO.	REVISION	DATE

PROJECT NUMBER:  
1408-018  
ISSUE:  
BID SET  
DATE:  
02.23.18  
DRAWN BY:  
VS/JJG  
CHECKED BY:  
JB  
SHEET TITLE:

**SYSTEM PLANS**

**E300**

C:\Users\vaingh\Documents\17115 ELEC Central R16\_vinnet\CMLX.rvt

### Branch Panel: MA

Location: MECHANICAL 108  
 Supply From:  
 Mounting: Recessed  
 Enclosure:

Volts: 120/240 Single  
 Phases: 1  
 Wires: 3

A.I.C. Rating: 42,000  
 Mains Type: MLO  
 Mains Rating: 400 A

Notes: INTERNAL TVSS, SERVICE ENTRANCE RATED

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	RESTROOM RECEPS	20 A	1	360 VA	1080 VA	1	20 A	OFFICE 103 RECEPS	2	
3	COURTROOM RECEPS	20 A	1		1080 VA	900 VA	1	EXHIBIT AREA RECEPS	4	
5	WELCOME AREA RECEPS	20 A	1	900 VA	1080 VA	1	20 A	EXTERIOR RECEPS	6	
7	ROOM #1 - RECEPS	20 A	1		900 VA	900 VA	1	ROOM #2 - RECEPS	8	
9	EXHIBIT 209 RECEPS	20 A	1	900 VA	653 VA	1	20 A	COURTROOM 101 LTG.	10	
11	EXHIBIT 209/RR RECEPS	20 A	1		900 VA	1200 VA	1	WELCOME/MULTI-RM TRACK LTG.	12	
13	WELCOME/MULTIPURPOSE/OFF./RR's LTG.	20 A	1	606 VA	162 VA	1	20 A	ROOM 201, 202 LTG.	14	
15	RESTROOM 203 / EXHIBIT 204 LTG.	20 A	1		488 VA	308 VA	1	EXTERIOR WALLPACK LIGHTS (10)	16	
17	IWH-1 (2)	20 A	2	2400 VA	2400 VA	2	20 A	IWH-2 (2)	18	
19	--	--	--	--	2400 VA	2400 VA	--	--	20	
21	IWH-3 (2)	20 A	2	2400 VA	96 VA	1	20 A	EF's - 1,2,3	22	
23	--	--	--	--	2400 VA	500 VA	1	FACP / FAAP (3)	24	
25	EXHIBIT 209/RR RECEPS	20 A	1	720 VA	1500 VA	2	20 A	UNIT HEATER	26	
27	SEPTIC SYSTEM PUMP	20 A	1		300 VA	1500 VA	--	--	28	
29	SEPTIC SYSTEM TANK/ALARM	20 A	1	300 VA	0 VA	1	20 A	SPARE	30	
31	SPARE	20 A	1		0 VA	0 VA	1	20 A	SPARE	32
33	SPARE	20 A	1	0 VA	0 VA	1	20 A	SPARE	34	
35	FCU-1	20 A	1		180 VA	0 VA	1	20 A	SPARE	36
37	FCU-2	20 A	1	180 VA	0 VA	1	20 A	SPARE	38	
39	CU-1	50 A	2		3328 VA	3328 VA	2	50 A	CU-2	40
41	--	--	--	--	3328 VA	3328 VA	--	--	42	
				<b>Total Load:</b>	22 kVA	23 kVA				
				<b>Total Amps:</b>	187 A	192 A				

#### Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	3306 VA	125.00%	4132 VA	<b>Total Conn. Load:</b> 46 kVA
Motor	96 VA	100.00%	96 VA	
Power	31572 VA	100.00%	31572 VA	<b>Total Est. Demand:</b> 46 kVA
Receptacle	10680 VA	96.82%	10340 VA	<b>Total Conn. Current:</b> 190 A
				<b>Total Est. Demand Current:</b> 192 A

#### Notes:

### PANELBOARD NOTES (#)

1. TERMINATE GROUND ON ISOLATED GROUND BUS.
2. INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-OFF FOR MAINTENANCE).
3. INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-ON FOR CRITICAL LOAD).
4. GFI BREAKER FOR PERSONNEL PROTECTION (5 mA).
5. GFI BREAKER FOR EQUIPMENT PROTECTION (30 mA).
6. CONDUCTOR SIZE SHOWN IN PANEL SCHEDULE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT GROUND PROPORTIONALLY PER NEC. REFERENCE GROUND WIRE SIZING CHART.
7. REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATINGS.
8. REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES.
9. FACTORY WIRED TO LOAD.
10. THRU CONTROLLER. REFER TO LIGHTING CONTROLLER DETAIL.
11. ADD CIRCUIT BREAKER TO EXISTING PANEL.

### EQUIPMENT GROUNDING CONDUCTOR SIZING CHART

BRKR AMPS		WIRE SIZE			
		12	10	8	6
15-20	PHASE GROUND	12	10	8	6
	GROUND	12	10	8	6
25-30	PHASE GROUND	10	8	6	4
	GROUND	10	8	6	4
35-50	PHASE GROUND	8	6	4	3
	GROUND	10	8	4	4
60	PHASE GROUND	6	4	3	2
	GROUND	10	6	6	4
70	PHASE GROUND	6	4	3	2
	GROUND	8	4	4	3
80-90	PHASE GROUND	4	3	2	1
	GROUND	8	6	4	4
100	PHASE GROUND	3	2	1	1/0
	GROUND	8	6	4	4

PER NEC 250.122(B)

CIRCUIT DESCRIPTIONS SHOWN AS "existing" INDICATE AN EXISTING CIRCUIT BREAKER TO REMAIN AND IS BASED ON ORIGINAL BUILDING PLANS, PANEL SCHEDULES AND BREAKER ARRANGEMENTS AT THE TIME OF THE SITE VISIT.

### FEEDER SCHEDULE

AMPERAGE	SETS OF CONDUIT	CONDUIT SIZE	CONDUCTOR QTY./SIZE	SELECT ONE		AMPERAGE	SETS OF CONDUIT	CONDUIT SIZE	CONDUCTOR QTY./SIZE	SELECT ONE	
				EQUIPMENT GROUND QTY./SIZE	SUSE RATED GROUND QTY./SIZE					EQUIPMENT GROUND QTY./SIZE	SUSE RATED GROUND QTY./SIZE
15A	(1)	3/4"	(4) #12	(1) #12	(1) #8	225A	(1)	2 1/2"	(4) #4/0	(1) #4	(1) #2
20A	(1)	3/4"	(4) #12	(1) #12	(1) #8	250A	(1)	3"	(4) #250 KCMIL	(1) #4	(1) #2
25A	(1)	3/4"	(4) #10	(1) #10	(1) #8	300A	(2)	2"	(4) #1/0	(1) #4	(1) #2
30A	(1)	3/4"	(4) #10	(1) #10	(1) #8	400A	(2)	2 1/2"	(4) #3/0	(1) #3	(1) #1/0
40A	(1)	3/4"	(4) #8	(1) #10	(1) #8	450A	(2)	2 1/2"	(4) #4/0	(1) #2	(1) #2/0
45A	(1)	1"	(4) #6	(1) #10	(1) #8	500A	(2)	3"	(4) #250 KCMIL	(1) #2	(1) #2/0
50A	(1)	1"	(4) #6	(1) #10	(1) #8	600A	(2)	3"	(4) #350 KCMIL	(1) #1	(1) #3/0
60A	(1)	1 1/4"	(4) #4	(1) #10	(1) #8	800A	(3)	3"	(4) #300 KCMIL	(1) #1/0	(1) #3/0
70A	(1)	1 1/4"	(4) #4	(1) #8	(1) #8	1000A	(3)	3 1/2"	(4) #400 KCMIL	(1) #2/0	(1) #3/0
80A	(1)	1 1/2"	(4) #3	(1) #8	(1) #8	1200A	(4)	3 1/2"	(4) #350 KCMIL	(1) #3/0	(1) #3/0
90A	(1)	1 1/2"	(4) #2	(1) #8	(1) #8	1600A	(5)	3 1/2"	(4) #400 KCMIL	(1) #4/0	(1) #3/0
100A	(1)	2"	(4) #1	(1) #8	(1) #6	2000A	(6)	3 1/2"	(4) #400 KCMIL	(1) #250 KCMIL	(1) #3/0
125A	(1)	2"	(4) #1	(1) #6	(1) #6	2500A	(7)	3 1/2"	(4) #500 KCMIL	(1) #350 KCMIL	(1) #3/0
150A	(1)	2"	(4) #1/0	(1) #6	(1) #6	3000A	(8)	3 1/2"	(4) #500 KCMIL	(1) #400 KCMIL	(1) #3/0
175A	(1)	2"	(4) #2/0	(1) #6	(1) #4	3500A	(10)	3 1/2"	(4) #500 KCMIL	(1) #500 KCMIL	(1) #3/0
200A	(1)	2 1/2"	(4) #3/0	(1) #6	(1) #4	4000A	(10)	4"	(4) #600 KCMIL	(1) #500 KCMIL	(1) #3/0

#### FEEDER SIZE GENERAL NOTES:

1. CONDUCTOR QUANTITY BASED ON 3-PHASE, 4-WIRE; FOR EQUIPMENT THAT DOES NOT REQUIRE A NEUTRAL OR IS SINGLE PHASE DEDUCT FROM QUANTITY AS REQUIRED.
2. CONDUCTOR SIZES BASED ON NEC TABLE 310.16 - COPPER 80°C UP TO 100A, 75°C GREATER THAN 100A.
3. GROUND SIZES: EQUIPMENT GROUND BASED ON NEC TABLE 250.122 - COPPER, SUSE RATED GROUND BASED ON NEC TABLE 250.66 - COPPER
4. CONDUIT FILL BASED ON NEC ANNEX C - THW CONDUCTOR INSULATION

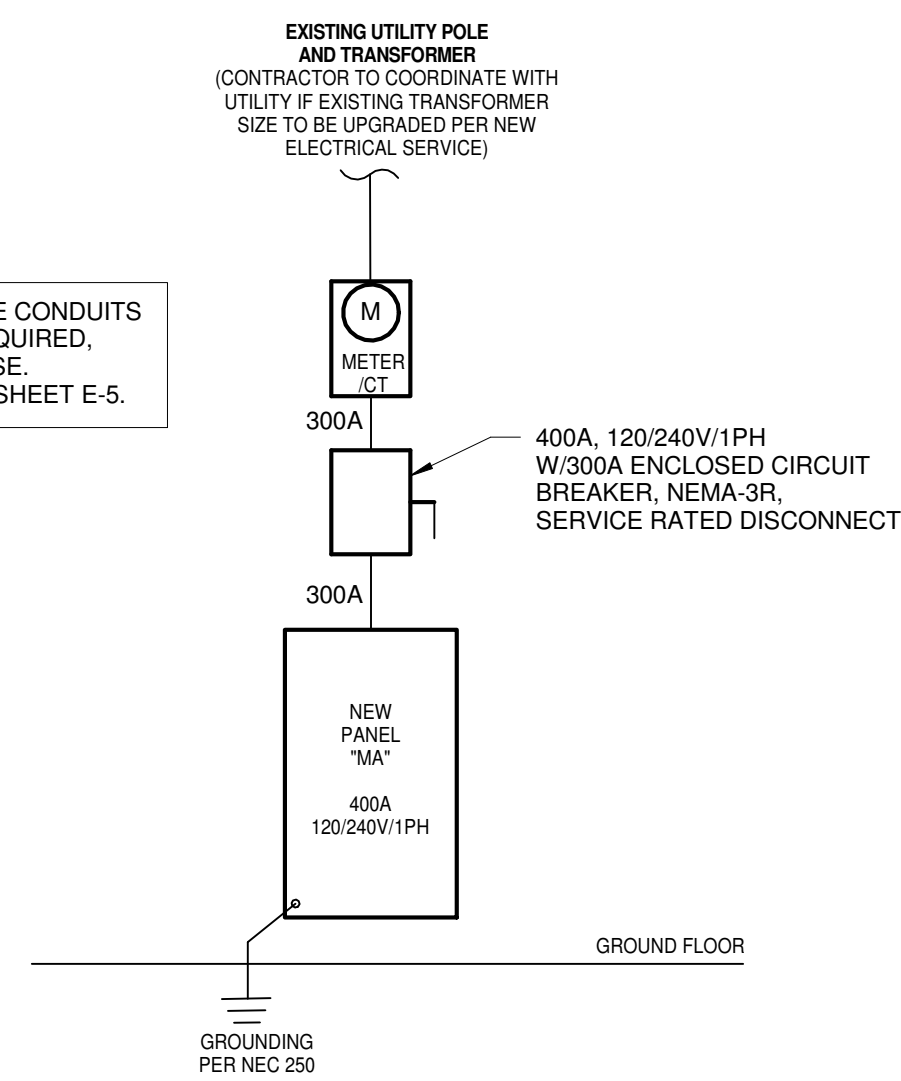
#### CONTRACTOR BID NOTES:

EXISTING ELECTRICAL SERVICE FOR MOBILE HOME TO REMAIN. CONTRACTOR TO FIELD VERIFY THE ELECTRICAL SCOPE OF WORK FOR EXISTING MOBILE HOME WITH OWNER PRIOR TO BID AND INCLUDE ASSOCIATED COSTS IN BID.

CONTRACTOR TO VISIT THE PROJECT SITE PRIOR TO BID AND BE FAMILIARIZED WITH EXISTING ELECTRICAL CONDITIONS THAT REQUIRES UPDATE OR MODIFICATION PER NEC GUIDELINES AND INCLUDE ALL ASSOCIATED COSTS IN THE BID.

CONTRACTOR TO REMOVE ALL EXISTING NON-COMPLIANT RECEPTACLES AND CONDUCTORS FROM EXISTING UTILITY POLE. CONTRACTOR SHALL INSTALL WP/GFI RECEPTACLES IF REQUIRED BY OWNER, REPLACE CONDUITS AND CONDUCTORS AS REQUIRED PER NEC GUIDELINES.

CONTRACTOR TO PROVIDE CONDUITS AND CONDUCTORS AS REQUIRED, UNLESS NOTED OTHERWISE. REF: FEEDER SCHEDULE, SHEET E-5.



1 ONE-LINE DIAGRAM N.T.S.

### EQUIPMENT LABELS

ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE A LABEL APPLIED TO WARN OF POTENTIAL ARC FLASH HAZARDS

**WARNING**  
**ARC FLASH AND SHOCK HAZARD. APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIRED.**

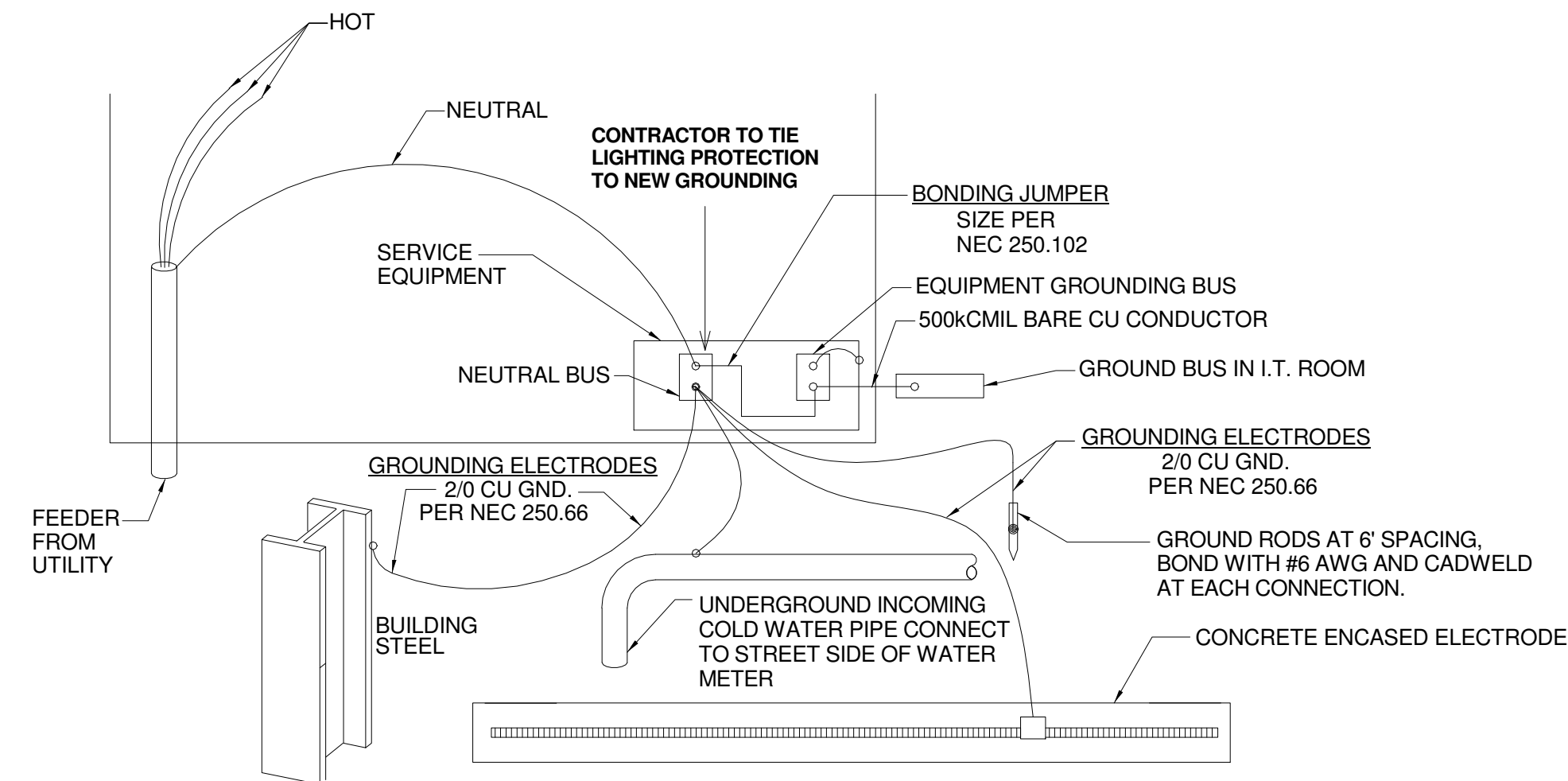
#### NOTES:

- A. ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE A COMMERCIAL PRODUCED PERMANENT LABEL APPLIED, SIMILAR TO THE ABOVE, TO WARN OF POTENTIAL ARC FLASH HAZARDS, IN ACCORDANCE WITH NEC 110.16 AND NFPA 70E.
- B. LABELING MAY BE COMPLETED BY EQUIPMENT MANUFACTURER, EQUIPMENT VENDOR/SUPPLIER, OR THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THAT ALL SWITCHBOARDS AND PANELBOARDS ARE PROPERLY LABELED IN THE FIELD.

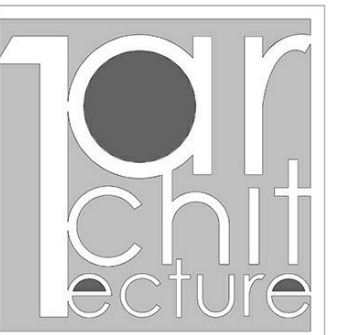
1. CONDUIT SIZED BASED ON CONDUCTOR PROPERTIES LISTED IN THE CURRENT NEC EDITION, CHAPTER, 9, TABLES 5 AND 5A, AND CONDUIT AREAS LISTED CHAPTER 9, TABLE 4 FOR EMT WITH 40% FILL. OTHER CONDITIONS MAY REQUIRE A LARGER CONDUIT, SUCH AS UNDERGROUND PVC, SIZED FOR NEC.

2. GROUND SIZES: EQUIPMENT GROUNDING CONDUCTOR BASED ON NEC TABLE 250.122 - COPPER / GROUNDING ELECTRODE CONDUCTOR BASED ON NEC TABLE 250.66 - COPPER

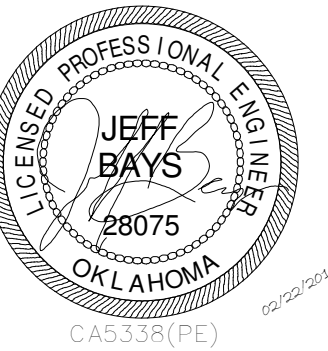
3. CONDUCTOR SIZES BASED ON NEC TABLE 310.15 - COPPER 75°C.



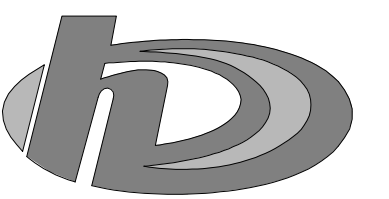
2 GROUNDING DETAIL 6" = 1'-0"



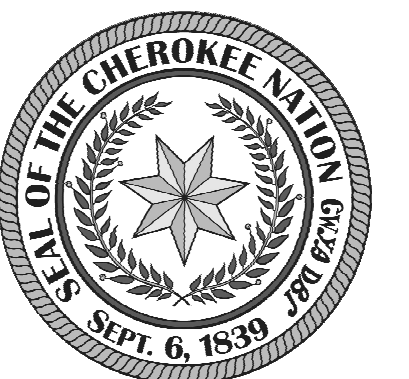
L&H Interiors, LLC  
 1485 E. 49th St.  
 Tulsa, OK 74120  
 PH: 512.764.3336



CERTIFICATE OF AUTHORIZATION 5338  
 RENEWAL DATE: 6/30/2019  
 HP ENGINEERING, INC.  
 16 South Lewis Ave  
 TULSA, OKLAHOMA 74104  
 (918) 664-4618



KEY PLAN:



DRAWN FOR:

**CHEROKEE NATION**

**SALINE COURTHOUSE RESTORATION**

ROSE, OK

NO.	REVISION	DATE

PROJECT NUMBER:

1408-018

ISSUE:

BID SET

DATE:

02.23.18

DRAWN BY:

VS

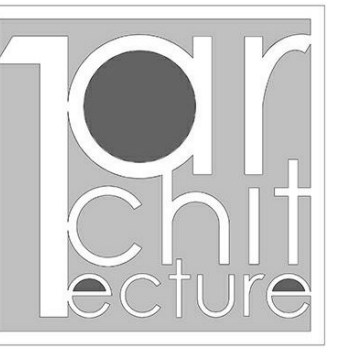
CHECKED BY:

JB

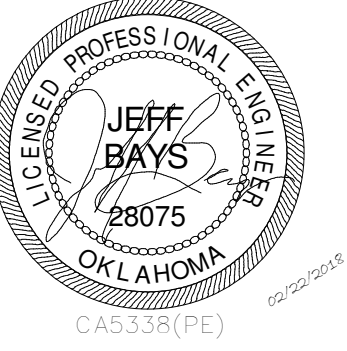
SHEET TITLE:

**ELECTRICAL ONE-LINE AND PANELBOARDS**

**E400**

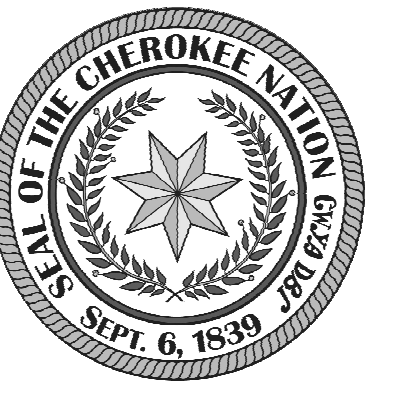


LArchitecture, LLC  
 435 E. 49th St.  
 Tulsa, OK 74120  
 PH: 512.764.3336



CERTIFICATE OF AUTHORIZATION 5338  
 RENEWAL DATE: 6/30/2019  
 HP ENGINEERING, INC.  
 16 South Lewis Ave.  
 TULSA, OKLAHOMA 74104  
 (580) 664-4613

KEY PLAN:



DRAWN FOR:

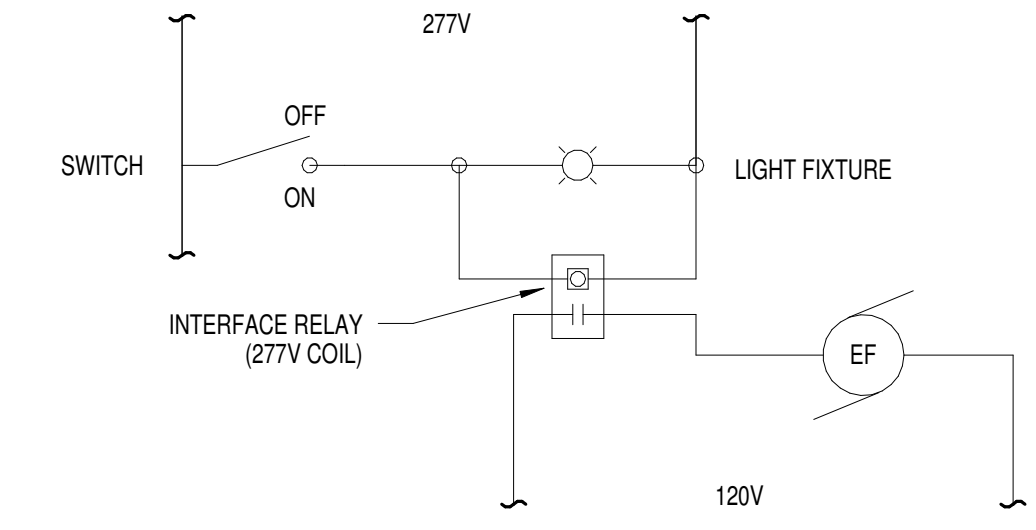
**CHEROKEE NATION**  
**SALINE COURTHOUSE RESTORATION**  
 ROSE, OK

NO.	REVISION	DATE

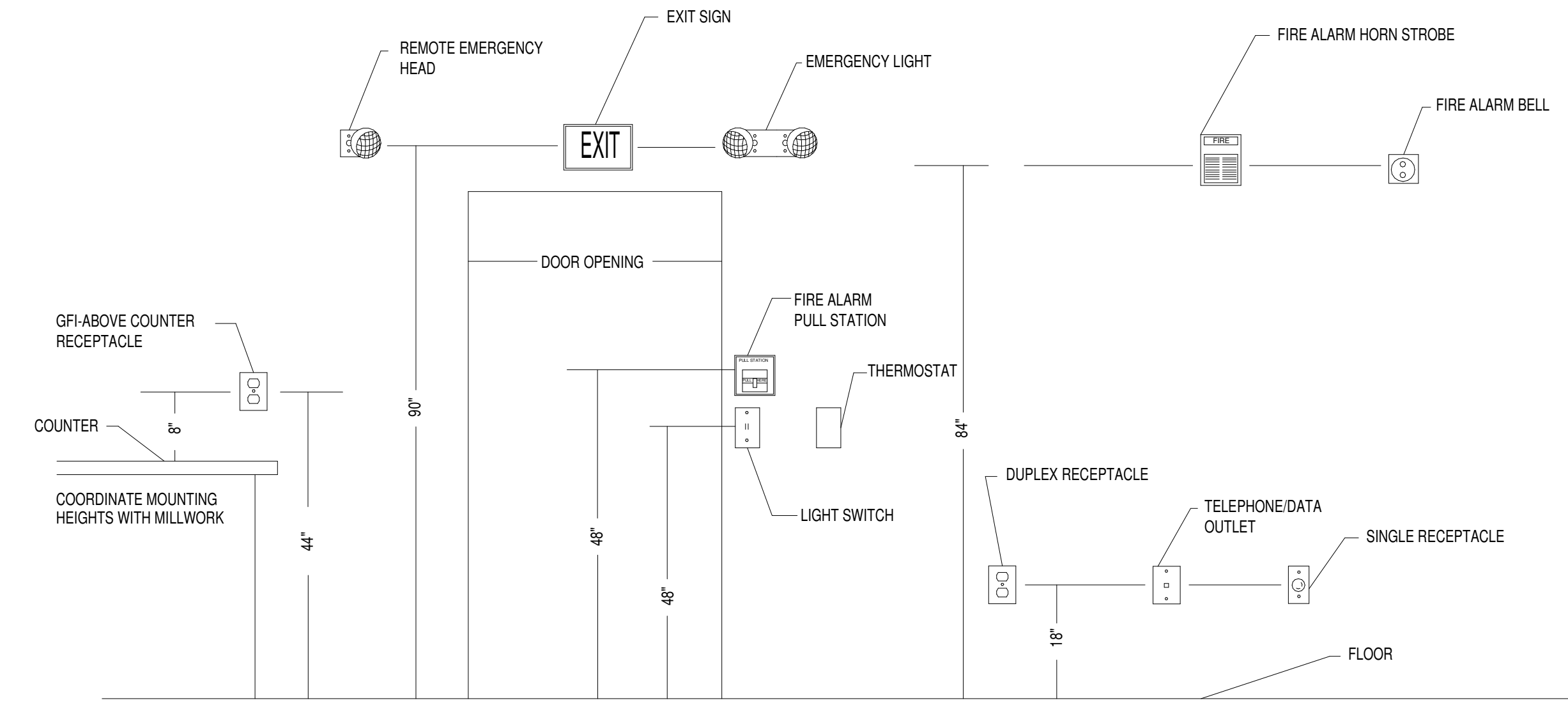
PROJECT NUMBER:  
 1408-018  
 ISSUE:  
 BID SET  
 DATE:  
 02.23.18  
 DRAWN BY:  
 VS  
 CHECKED BY:  
 JB  
 SHEET TITLE:

**ELECTRICAL DETAILS**

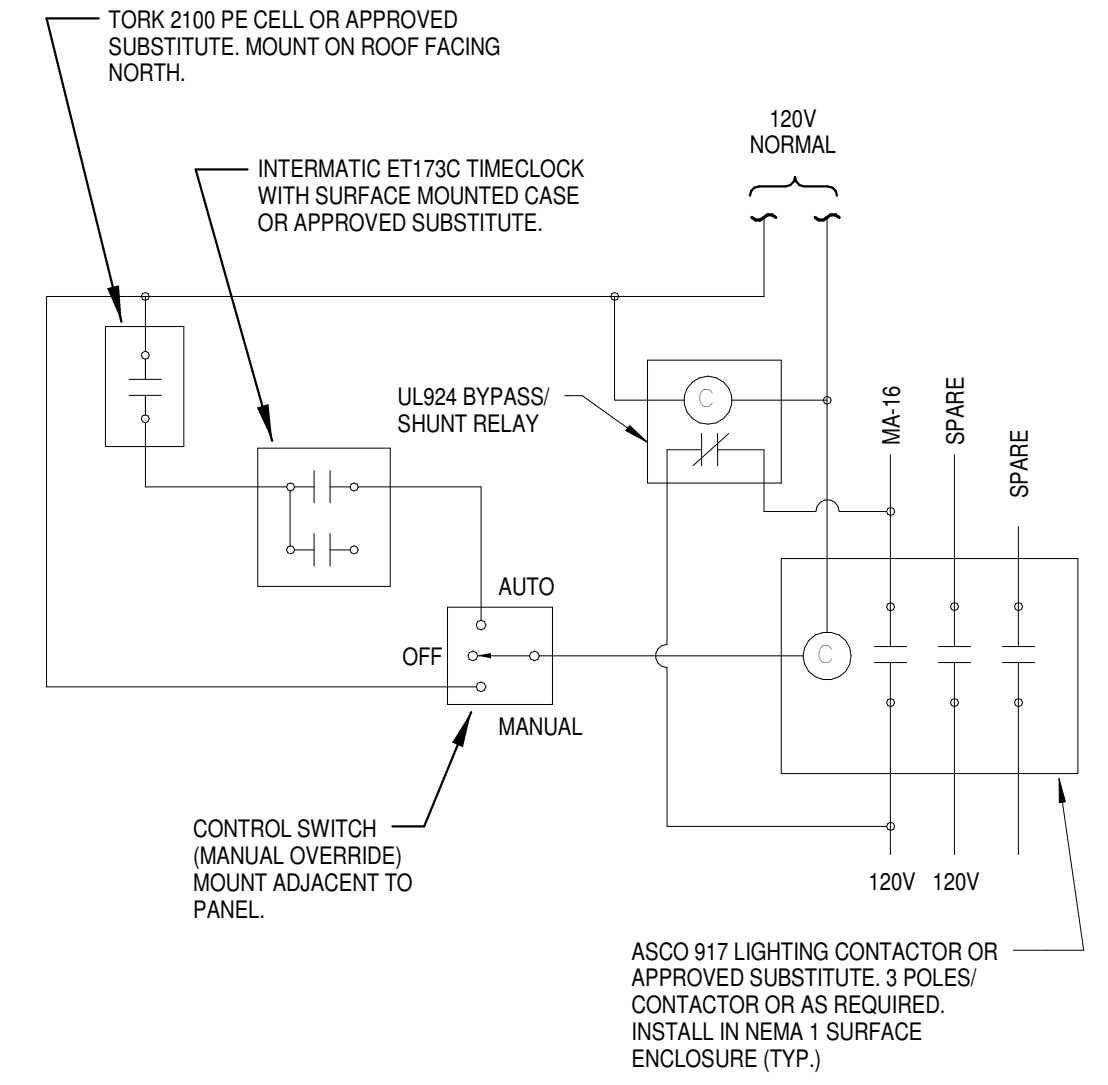
**E500**



**3 EXHAUST FAN/LIGHTING INTERLOCK**  
 12" = 1'-0"



**1 TYPICAL MOUNTING HEIGHT DETAIL**  
 NTS



**2 EXTERIOR LTG CONTROLS**  
 12" = 1'-0"

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