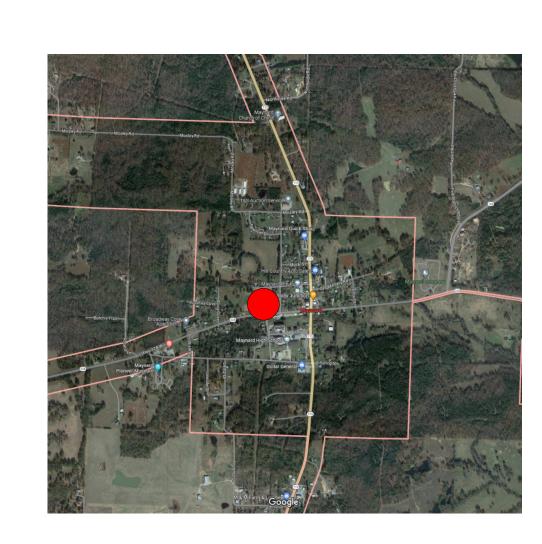
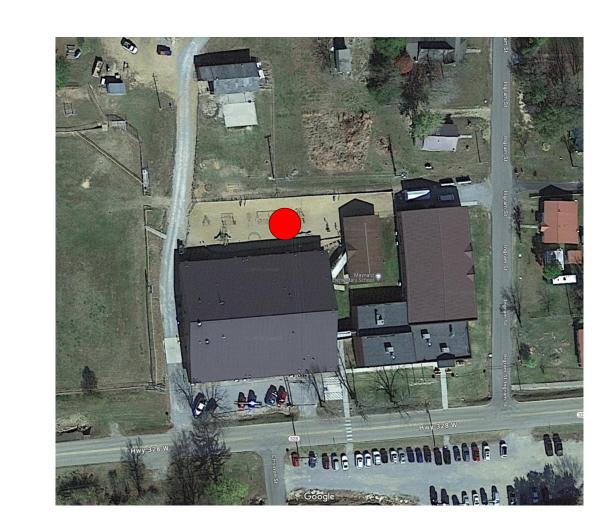
NEW ELEMENTARY CLASSROOM BUILDING MAYNARD SCHOOL DISTRICT

PROJECT TEAM SYMBOL LEGEND

ROOM TAG BUILDING/WALL SECTION - DETAIL# / SHEET# INTERIOR ELEVATION - DETAIL# / SHEET# **ENLARGED DETAIL ELEVATION TARGET ROOF PITCH** DOOR TAG WALL TYPE WINDOW TYPE KEYED NOTE

CITY LOCATION MAP





SITE LOCATION MAP

DRAWING INDEX

T1.0 TITLE SHEET

LEGEND / NOTES

EXISTING SITE CONDITIONS / DEMO PLAN PROPOSED SITE PLAN

PROPOSED GRADING PLAN CONSTRUCTION DETAILS (1)

A1.0 PLANS AND ELEVATIONS

WALL DETAILS A3.0 SCHEDULES AND DETAILS

S101 FOUNDATION / WALL / ROOF PLANS

S200 SCHEDULES / DETAILS S300 DETAILS - FOUNDATION AND FRAMING

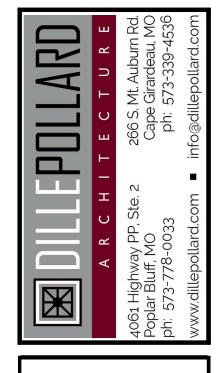
MECHANICAL PLAN

P1.1 PLUMBING PLAN

E1.0 LEGEND AND NOTES

E1.1 ELECTRICAL PLAN E1.2 LIGHTING PLAN

FA1.1 FIRE ALARM PLAN



MAYNARD

CONFIDENTIAL

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> 12-15-2023 TITLE SHEET

CONFIDENTIAL NATURE

23-18

MAYNARD SCHOOL DISTRICT

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ARCHITECT:

(573) 778-0033

CIVIL ENGINEER:

(573) 785-9621

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POPLAR BLUFF, MO. 63901

SMITH & CO. ENGINEERS

POPLAR BLUFF, MO 63901

STRUCTURAL ENGINEER:

TOTH & ASSOCIATES 1550 EAST REPUBLIC RD.

SPRINGFIELD, MO 65804

MECHANICAL ENGINEER

BOYT ENGINEERING

400 N. MARKET ST.

(618) 964-9418

NOTE: ALL ITEMS IN THE GENERAL LEGEND MAY OR MAY NOT BE USED IN THIS PLAN SET.

GENERAL NOTES:

1.) ALL GRADED AREAS SHALL BE PROTECTED FROM EROSION BY EROSION CONTROL DEVICES AND/OR SEEDING AND MULCHING. EROSION CONTROL SHALL NOT BE LIMITED TO WHAT IS SHOWN ON THE PLAN. WHATEVER MEANS NECESSARY SHALL BE TAKEN TO PREVENT SILTATION AND EROSION FROM FROM ENTERING NATURAL STREAMS AND ADJACENT ROADWAYS, PROPERTIES, AND DITCHES.

2.) PROPOSED CONTOURS SHOWN ARE FINISHED ELEVATIONS ON PAVED AREAS. CONTRACTOR TO GRADE ALL AREAS TO REQUIRED

3.) ALL FILL PLACED FOR PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS, AND FOR DRAINAGE BERMS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. A TEST SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS.

4.) THE GENERAL CONTRACTOR SHALL FLAG ALL SANITARY AND STORM SEWER STRUCTURES WITH A 2X4 PAINTED ORANGE AND MARKED TO READ "STORM SEWER STRUCTURE OR SANITARY SEWER STRUCTURE DO NOT BURY".

5.) SAFETY NOTICE TO CONTRACTOR: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS.

6.) CONTRACTOR IS TO REMOVE AND DISPOSE OF, OFF SITE, ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.

7.) THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING ALL PHASES OF THIS DEMOLITION PLAN.

8.) THE CONTRACTOR SHALL RESTORE OFFSITE CONSTRUCTION AREAS TO AN EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF WORK

9.) ALL EXCAVATIONS, GRADING, OR FILLING SHALL HAVE A FINISHED GRADE NOT TO EXCEED A 3:1 SLOPE (33 PERCENT). STEEPER GRADES MAY BE APPROVED BY THE DESIGNATED OFFICIAL IF THE EXCAVATION IS THROUGH ROCK OR THE EXCAVATION OR THE FILL IS ADEQUATELY PROTECTED (A DESIGNED HEAD WALL OR TOE WALL MAY BE REQUIRED). RETAINING WALLS THAT EXCEED A HEIGHT OF FOUR (4) FEET SHALL REQUIRE THE CONSTRUCTION OF SAFETY GUARDS AS IDENTIFIED IN THE APPROPRIATE SECTION(S) OF THE ADOPTED IBC CODES AND MUST BE APPROVED BY THE CITY BUILDING DEPARTMENT. PERMANENT SAFETY GUARDS WILL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROPRIATE SECTION(S) OF THE ADOPTED IBC CODES.

10.) PROVISIONS SHALL BE MADE TO ACCOMMODATE THE INCREASED RUNOFF CAUSED BY CHANGED SOIL AND SURFACE CONDITIONS DURING THE AFTER GRADING. UN—VEGETATED OPEN CHANNELS SHALL BE DESIGNED SO THAT GRADIENTS RESULT IN VELOCITIES OF 2 FPS (FEET PER SECOND) OR LESS. OPEN CHANNELS WITH VELOCITIES MORE THAN 2 FPS AND LESS THAN 5 FPS SHALL BE ESTABLISHED IN PERMANENT VEGETATION BY USE OF COMMERCIAL EROSION CONTROL BLANKETS OR LINED WITH ROCK RIP RAP OR CONCRETE OR OTHER SUITABLE MATERIALS AS APPROVED BY THE DESIGNATED OFFICIAL. DETENTION BASINS, DIVERSIONS, OR OTHER APPROPRIATE STRUCTURES SHALL BE CONSTRUCTED TO PREVENT VELOCITIES ABOVE 5 FPS.

11.) ALL FILLED PLACES IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP TO 90% MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T—180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST ASSHTO T—99. A SOIL'S ENGINEER SHALL VERIFY ALL TESTS CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS. A SEALED COPY OF THE RESULT REPORTS SHALL BE GIVE TO THE ENGINEER FOR REVIEW AND APPROVAL.

12.)WHERE NATURAL VEGETATION IS REMOVED DURING GRADING, VEGETATION SHALL BE REESTABLISHED IN SUCH A DENSITY AS TO PREVENT EROSION. PERMANENT SOD SHALL BE ESTABLISHED AS SOON AS POSSIBLE.

13.) ALL CONSTRUCTION METHODS AND PRACTICES TO CONFORM WITH OSHA STANDARDS.

EXISTING UTILITIES NOTE:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ARE BASED ON VISIBLE ABOVE—GROUND OBJECTS AND MARKINGS, PREVIOUS RECORD DRAWINGS AND SURVEYS PROVIDED TO SMITH&CO. BY OTHERS, AND PAINT OR OTHER MARKINGS MADE BY UTILITY COMPANIES AND/OR UTILITY LOCATOR SERVICES PRIOR TO THE FIELD SURVEY. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED OBJECTS. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES/CONDUITS MAY VARY FROM THE LOCATIONS SHOWN HEREUPON. ADDITIONAL BURIED UTILITIES THAT DO NOT HAVE SURFACE MARKERS MAY BE ENCOUNTERED DURING EXCAVATION.

2. SMITH&CO. IS NOT A UTILITY LOCATOR SERVICE. SMITH&CO. IS NOT RESPONSIBLE OR LIABLE FOR DAMAGES RESULTING FROM UNMARKED OR INACCURATELY MARKED UNDERGROUND UTILITIES OR STRUCTURES. CALL 1-800-DIG-RITE.



STORM SEWER NOTES

1.) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATIONS AND SIZES OF ALL EXISTING UTILITIES, WHETHER SHOWN OR NOT SHOWN ON THIS PLAN, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER HAS NOT FIELD VERIFIED THE EXISTING UTILITIES. THE UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM RECORDS AND UTILITY MAPS MADE AVAILABLE TO THE ENGINEER AND THE LOCATIONS AND SIZES SHALL BE CONSIDERED APPROXIMATE ONLY. OTHER UTILITIES, NOT SHOWN ON THIS PLAN, MAY EXIST ON OR NEAR THE SITE

2.) ALL FILL PLACED UNDER PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T—180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T—99. ALL TEST SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS PER GEOTECHNICAL REPORT.

3.) ALL FILLED PLACES IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL 90% MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T—180 COMPACTION UP TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T—99 . ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS PER GEOTECHNICAL REPORT.

4.) ALL TRENCHES IN AREAS TO BE PAVED AND UNDER EXISTING PAVEMENT OR WITHIN PUBLIC R.O.W. SHALL BE GRANULARLY BACKFILLED WITH 3/4—INCH MINUS CRUSHED LIMESTONE.

5.) THE SOILS ENGINEER WILL VERIFY THAT ALL COMPRESSIBLE MATERIAL HAS BEEN REMOVED PRIOR TO FILL PLACEMENT AND THAT ALL FILL

UNDER STORM AND SANITARY SEWER LINES CONSTRUCTED ABOVE ORIGINAL GRADE, HAS BEEN COMPACTED TO 90% OF "MODIFIED PROCTOR". FILL IS TO BE PLACED IN A MAXIMUM 9" LIFTS. TESTS SHALL BE TAKEN AT A MAXIMUM OF 50' INTERVALS ALONG THE ROUTE OF THE PIPE, AT A MAXIMUM OF 2' VERTICAL, AND LATERALLY ON EACH SIDE OF THE PIPE, AT A DISTANCE EQUAL TO THE DEPTH OF FILL OVER THE PIPE.

6.) REINFORCED CONCRETE MANHOLE AND INLETS SHALL BE PRECAST AND SHALL CONFORM TO ASTM—C478 AND UTILIZED TYPE II PORTLAND

CÉMENT (4,000 P.S.I.). STEPS SHALL BE PLACED IN ALL MANHOLES AND INLETS OVER 5 FEET DEEP. PIPE CONNECTIONS SHALL BE FULLY GROUTED OR UTILIZE RUBBER GASKETS.

7.) HDPE PIPE SHALL CONFORM TO AASHTO M294 TYPE 5 AND SHALL HAVE ASTMD 1056 TYPE 2 CLASS A GRADE 2 JOINTS. PIPE SHALL BE

BACKFILLED WITH AGGREGATE BASE PER MANUFACTURES RECOMMENDATIONS.

8.) CMP SHALL CONFORM TO ASTM A760/A760M ALUMINIZED STEEL TYPE 2 AND SHALL BE CONTECH ULTRA FLOW OR APPROVED EQUAL. ALL JOINTS SHALL BE WATERTIGHT WITH CLOSED CELL EXPANDED RUBBER GASKETS PER ASTM D1056 OR ASPHALT/TAR MASTIC PER ASTM A849.

WATER NOTES

1.) ALL MAINS AND FIRE HYDRANTS SHALL BE INSTALLED AND PER LOCAL UTILITY PROVIDER REQUIREMENTS.

2.) ALL SERVICE LINE CONSTRUCTION METHODS TO CONFORM TO LATEST STANDARDS AND SPECIFICATIONS OF THE UTILITY PROVIDER.

3.) ALL TRENCHES UNDER AREAS TO BE PAVED SHALL BE GRANULARLY FILLED WITH 3/4" MINUS CRUSHED LIMESTONE. BACKFILL SHALL BE PLACED IN ACCORDANCE WITH MODOT SPECIFICATIONS.

4.) ALL BACKFILL MATERIAL SHALL BE MECHANICALLY COMPACTED TO AT LEAST 90 PERCENT OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY

5.) ALL PVC PIPE IS TO BE C900 OR EQUAL, CONFORMING TO APPLICABLE AWWA STANDARDS.

6.) ALL DUCTILE IRON PIPE SHALL BE CLASS 52, CONFORMING TO APPLICABLE AWWA STANDARDS.

7.) EXISTING WATER SERVICE SHALL NOT BE INTERRUPTED.

8.) COORDINATE WITH UTILITY PROVIDED FOR ALL TAPS OFF EXISTING WATER MAINS.

SEWER NOTES

1.) ALL MANHOLES SHALL BE 42" DIA. PRE-CAST CONCRETE PER ASTM C-478.

2.) ALL LATERAL SEWER CONSTRUCTION METHODS TO CONFORM TO LATEST STANDARDS AND SPECIFICATIONS OF THE UTILITY PROVIDER.

3.) ALL TRENCHES UNDER AREAS TO BE PAVED SHALL BE GRANULARLY FILLED WITH 3/4" MINUS CRUSHED LIMESTONE. BACKFILL SHALL BE PLACED IN ACCORDANCE WITH MODOT SPECIFICATIONS.

4.) CONTRACTOR TO START LAYING PIPE AT DOWNSTREAM MANHOLE AND WORK UPSTREAM.

5.) CLEANOUTS SHALL BE LOCATED AT ALL HORIZONTAL AND VERTICAL CHANGES IN DIRECTION OF FLOW OF BUILDING LATERALS AND ANY SANITARY LATERAL OF 100 FEET OR LONGER.

6.) JETTING IS NOT AN ACCEPTABLE METHOD OF ACHIEVING BACKFILL COMPACTION. ALL BACKFILL MATERIAL SHALL BE MECHANICALLY COMPACTED TO AT LEAST 90 PERCENT OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY.

7.) GAS, WATER, AND OTHER UNDERGROUND UTILITIES SHALL NOT CONFLICT WITH THE DEPTH OF HORIZONTAL LOCATION OF EXISTING OR PROPOSED

SANITARY AND STORM SEWERS.

8.) THE CONTRACTOR SHALL PREVENT ALL STORM, SURFACE WATER, MUD AND CONSTRUCTION DEBRIS FROM ENTERING THE EXISTING SANITARY SEWER

9.) ALL SANITARY SEWER MANHOLES SHALL BE WATERPROOFED ON THE EXTERIOR.

10.) ALL PVC SANITARY SEWER PIPE IS TO BE SDR-35 OR EQUAL WITH "CLEAN" 1/2 INCH TO 1 INCH GRANULAR STONE BEDDING UNIFORMLY GRADED. THIS BEDDING SHALL EXTEND FROM 4 INCHES BELOW THE PIPE TO SPRINGLINE OF PIPE. IMMEDIATE BACKFILL OVER PIPE SHALL CONSIST OF SAME SIZE "CLEAN" OR "MINUS" STONE FROM SPRINGLINE OF PIPE TO 6 INCHES ABOVE THE TOP OF PIPE.

11.) EXISTING SANITARY SEWER SERVICE SHALL NOT BE INTERRUPTED.

UTILITIES:

WATER AND SEWER

CITY OF MAYNARD

ELECTRIC
CLAY COUNTY ELECTRIC

TELEPHONE BRIGHTSPEED

CLAY COUNTY CONNECT

SWPPP NOTES

1. SITE OWNER: MAYNARD SCHOOL DISTRICT

SITE ADDRESS: 113 HIGHWAY 328 W., MAYNARD, AR. 72444

2. REFER TO IMPROVEMENT PLANS FOR PERTINENT TOPOGRAPHICAL AND SITE PLAN INFORMATION.

RUNOFF COEFFICIENTS: UNDEVELOPED — 0.7 DEVELOPED — 0.7

ESTABLISHED IMMEDIATELY FOLLOWING.

4. TOTAL LAND ESTIMATED TO BE DISTURBED - APPROXIMATELY 0.20 ACRES

5. REFER TO EROSION CONTROL PLAN FOR LOCATION OF ACCESS TO CONSTRUCTION SITE.

6. <u>DESCRIPTION OF B.M.P.'S TO CONTROL EROSION AND SEDIMENTATION (INTERIM AND PERMANENT STABILIZATION PRACTICES)</u>

A. CONTRACTOR SHALL ESTABLISH PERIMETER SILTATION CONTROL PRIOR TO ANY CONSTRUCTION ACTIVITIES. AREAS REQUIRING MINOR CLEARING &/OR GRADING PRIOR TO INSTALLATION OF SILTATION CONTROL SHALL BE COMPLETED IN A TIMELY MANNER AND SILTATION CONTROL

B. TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED WHERE THE ACCESS AREAS INTERSECT WITH PUBLIC ACCESS WAYS. DURING MUDDY CONDITIONS, DRIVERS OF VEHICLES WILL BE REQUIRED TO WASH THEIR WHEELS BEFORE ENTERING THE ROADWAY. WHERE SEDIMENT IS TRANSPORTED ONTO PUBLIC ACCESS WAYS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROAD BY SHOVELING OR SWEEPING. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.

C. UPON COMMENCEMENT OF INITIAL CLEARING AND GRUBBING OPERATIONS, AS WELL AS FUTURE GRADING OPERATIONS, TOPSOIL MUST BE
STRIPPED FROM GRADED AREAS AND STOCKPILED FOR IN FINAL GRADING AND / OR EXCESS REMOVAL. THE STOCKPILES WILL BE KEPT ON
SITE BUT MUST STAY CLEAR OF ALL CONSTRUCTION ACTIVITY. THE STOCKPILE MUST BE STABILIZED WITH TEMPORARY VEGETATION, OR
COVERED AT THE END PF EACH WORKDAY, OR PERIMETER CONTROLS MUST BE IN PLACE TO PREVENT SOIL LOSS AND SEDIMENT TRANSPORT
FROM THE STOCKPILE ITSELF UNTIL NEEDED.

D. TEMPORARY ROADS SHALL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE. SLOPES SHALL NOT EXCEED 10

E. CONTRACTOR SHALL CLEAR AND GRUB THOSE AREAS OF THE SITE SCHEDULED FOR CONSTRUCTION. AREAS NOT SCHEDULED FOR IMMEDIATE CONSTRUCTION SHALL NOT BE CLEARED OF ESTABLISHED VEGETATION UNTIL REQUIRED. REMAINDER OF SITE SHALL BE GRADED, AS REQUIRED. CONTROL THROUGHOUT THE DURATION OF THE

F. STORM DRAINS SHALL BE INSTALLED AS EARLY AS POSSIBLE, PROVIDED THE INSTALLATION DOES NOT CONFLICT WITH OTHER CONSTRUCTION ACTIVITIES. INLET PROTECTION SHALL BE PLACED AROUND EACH INLET, IMMEDIATELY, UPON COMPLETION OF CONSTRUCTION OF EACH INLET. INLETS MAY BE UTILIZED FOR STORM WATER CONTROL DURING CONSTRUCTION, WITH THE SILT FENCE AND EROSION CONTROL MEASURES IN PLACE.

G. IF SEEDING OR ANOTHER VEGETATIVE EROSION CONTROL METHOD IS USED, IT SHALL BECOME ESTABLISHED WITHIN TWO WEEKS OR THE SITE SHALL BE RE—SEEDED OR A NON—VEGETATIVE OPTION EMPLOYED.

H. TECHNIQUES SHALL BE EMPLOYED TO ENSURE STABILIZATION ON STEEP SLOPES AND IN DRAINAGE WAYS.

I. THE ENTIRE SITE MUST BE STABILIZED, USING HEAVY MULCH LAYER OR ANOTHER METHOD THAT DOES NOT REQUIRE GERMINATION TO CONTROL EROSION, AT THE CLOSE OF THE CONSTRUCTION SEASON.

J. TECHNIQUES SHALL BE EMPLOYED TO PREVENT THE BLOWING OF DUST OR SEDIMENT FROM THE SITE.

K. TECHNIQUES SHALL BE EMPLOYED TO DIVERT UPLAND RUNOFF PAST DISTURBED SLOPES.

L. ALL PROPOSED TURF AREAS, ONCE CONSTRUCTED TO FINAL GRADE SHALL BE SEEDED/SODDED WITHIN FIVE DAYS AFTER FINAL GRADING OF THE SITE WHERE SHOWN ON THE PLAIN. SHOULD WEATHER CAUSE DELAYS IN EARTHWORK OPERATIONS, ADDITIONAL SILTATION CONTROL MEASURES MAY BE REQUIRED.

M. ANY DISTURBED AREAS WHICH WILL REMAIN UNWORKED FOR FIVE DAYS OR MORE SHALL BE STABILIZED WITH SEEDING AND MULCHING PER SPECIFICATIONS WITHIN FIVE DAYS. IF SEASONAL CONDITIONS PROHIBIT SEEDING, MULCHING OR MATTING SHALL BE USED.

N. SETTLING BASINS, SEDIMENT TRAPS, OR TANKS AND PERIMETER CONTROLS AS REQUIRED.

O. SETTLING BASINS SHALL BE PROVIDED FOR EACH DRAINAGE AREA WITHIN 10 OR MORE ACRES DISTURBED AT ONE TIME AND SHALL BE SIZED TO CONTAIN 0.5 INCH OF SEDIMENT FROM THE DRAINAGE AREA AND BE ABLE TO CONTAIN A 2—YEAR, 24—HOUR STORM. IF THE PROVISION OF A BASIN OF THIS SIZE IS IMPRACTICAL, OTHER SIMILARLY EFFECTIVE BEST MANAGEMENT PRACTICES (BMP), AS EVALUATED AND SPECIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), SHALL BE UTILIZED.

P. WHEN REQUIRED, SETTLING BASINS SHALL BE DESIGNED IN A MANNER THAT ALLOWS ADAPTATION TO PROVIDE LONG—TERM STORM WATER MANAGEMENT, AS REQUIRED BY THE STATE, COUNTY, OR CITY HAVING ENFORCEMENT AUTHORITY AND RESPONSIBILITIES.

Q. SETTLING BASINS SHALL HAVE STABILIZED SPILLWAYS TO MINIMIZE THE POTENTIAL FOR EROSION OF THE SPILLWAY OR BASIN EMBANKMENT.

R. PROTECTION FOR ADJACENT PROPERTIES BY THE USE OF VEGETATED BUFFER STRIP IN COMBINATION WITH PERIMETER CONTROLS.

S. SEDIMENTATION CONTROLS SHALL ONLY BE REMOVED AFTER THE SITE IS COMPLETELY STABILIZED, VEGETATION IS WELL ESTABLISHED, AND ALL

PAVEMENT AREAS ARE INSTALLED.

8. <u>DESCRIPTION OF B.M.P.'S TO PREVENT POTENTIAL POLLUTANTS</u>
(CONSTRUCTION WASTES, TOXIC OR HAZARDOUS SUBSTANCES, PETROLEUM PRODUCTS, PESTICIDES, HERBICIDES, SITE LITTER, SANITARY WASTES,

ETC.)
A. SOLID NON—HAZARDOUS CONSTRUCTION WASTE — DISPOSE OF IN TRASH DUMPSTERS OR APPROVED EQUIVALENT IN A LOCATION APPROVED BY THE OWNER. POTENTIALLY SOLUBLE OR LEACHABLE SOLID WASTE SHALL BE STORED OFF THE GROUND AND IN COVERED LEAK—PROOF

CONTAINERS. SOLID WASTE SHALL BE STORED OFF THE GROUND AND IN COVERED LEAK-PROOF CONTAINERS. SOLID WASTE SHALL BE PROPERLY DISPOSED OF OFF-SITE ON A REGULAR BASIS.

B. HAZARDOUS WASTE - HAZARDOUS WASTE SHALL BE SEGREGATED FROM NON-HAZARDOUS CONSTRUCTION SITE DEBRIS. LIQUID OR SEMILLIOURD HAZARDOUS WASTE SHALL BE STORED IN APPROPRIATE CONTAINERS (CLOSED DRUMS OR SIMILAR) AND SHALL BE KEPT LINDER

SEMI-LIQUID HAZARDOUS WASTE SHALL BE STORED IN APPROPRIATE CONTAINERS (CLOSED DRUMS OR SIMILAR) AND SHALL BE KEPT UNDER COVER. GRANULAR, SOLUBLE, OR LEACHABLE HAZARDOUS WASTE MATERIALS SHALL BE STORED OFF THE GROUND AND IN COVERED LEAK-PROOF CONTAINERS, THE OWNER SHALL PROPERLY APPROVE ANY HAZARDOUS WASTE STORAGE AREA LOCATIONS.

C. HAZARDOUS WASTE SHALL BE PROPERLY DISPOSED OF OFF-SITE ON A REGULAR BASIS BY A REPUTABLE, LICENSED HAZARDOUS WASTE HAULER.

D. IT IS NOT THE INTENT OF THIS SWPPP TO SUPERSEDE OR REPLACE NORMAL SITE ASSESSMENT AND REMEDIATION PROCEDURES CONCERNING HAZARDOUS MATERIALS. SIGNIFICANT SPILLS AND/OR CONTAMINATION WARRANT AN IMMEDIATE RESPONSE BY TRAINED PROFESSIONALS.
SUSPECTED JOB SITE CONTAMINATION SHOULD IMMEDIATELY BE REPORTED TO REGULATORY AUTHORITIES AND PROTECTIVE MEASURES TAKEN.

E. FRESH CONCRETE WASTE AND CONCRETE EQUIPMENT WASH DOWNS SHALL BE CONTAINED AND SHALL BE STORED AWAY FROM DRAINAGE DITCHES, SWALES AND DRAINAGE STRUCTURES. WHERE APPROPRIATE, CONTAINMENT BERMS SHALL BE PLACED AROUND WASTE STORAGE

F. ON-SITE FUELING FACILITIES ARE REQUIRED TO ADHERE TO ALL APPLICABLE FEDERAL AND STATE REGULATIONS CONCERNING STORAGE AND

G. PROVISIONS SHALL BE MADE SO THAT A SUFFICIENT NUMBER OF TEMPORARY TOILET FACILITIES ARE AVAILABLE TO SERVE THE NUMBER OF WORKERS ON—SITE.

H. PROVISIONS SHALL BE MADE FOR LITTER CONTROL.

9. <u>DESCRIPTION OF B.M.P.'S TO REMAIN AFTER CONSTRUCTION</u>

A. STORM DRAINS AND PIPES — SHALL BE CLEARED OF ALL MUD AND DEBRIS

B. TURF AREAS — TURF AREAS SHALL BE MAINTAINED TO INSURE SITE AREAS REMAIN STABILIZED UPON COMPLETION OF CONSTRUCTION ACTIVITIES.

C. PAVED AREAS AND WALKWAYS — AREAS SUBJECT TO FOOT AND VEHICLE TRAFFIC SHALL BE PAVED AND KEPT IN GOOD REPAIR FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES.

10. CONTRACTOR TO COORDINATE WITH THE CITY AND DEVELOPER FOR OFF STREET PARKING AREA..

11. HAUL ROUTE OF EXCESS SPOILS TO BE DETERMINED BY SITE CONTRACTOR.

12. REFER TO B.M.P.'S DESCRIPTIONS AND THE SWPPP PLAN TO REFERENCE ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED FOR THIS SITE

13. SEEDING RATES/MIXTURES SHALL BE PER AHTD MINIMUM STANDARDS.

14. PLANNED RESPONSE TO LOSS OF CONTAINED SEDIMENT:

B.M.P.'S SHALL BE REPAIRED AND/OR REPLACED IMMEDIATELY, AS REQUIRED, TO STABILIZE SITE AND CONTAIN SEDIMENT LADEN RUNOFF. OFFSITE AREAS SHALL BE REVIEWED FOR EXTENT OF IMPACT FROM B.M.P. FAILURE. PERMIT HOLDER SHALL BE REQUIRED TO PROVIDE DOCUMENTATION OF THE B.M.P. MEASURES, INSTALLED AND SCHEDULED MAINTENANCE, AND REPAIRS.

15. ON—SITE GENERAL CONTRACTOR

A. THE GENERAL CONTRACTOR SHALL NOTIFY ALL CONTRACTORS AND OTHER ENTITIES (INCLUDING UTILITY CREWS, CITY EMPLOYEES, OR THEIR AGENTS) THAT WILL PERFORM WORK AT THE SITE, OF THE EXISTENCE OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND WHAT ACTIONS OR PRECAUTIONS SHALL BE TAKEN WHILE ON SITE TO MINIMIZE THE POTENTIAL FOR EROSION AND THE POTENTIAL FOR DAMAGING ANY BEST MANAGEMENT PRACTICES (BMP'S).

B. THE GENERAL CONTRACTOR HOLDER SHALL DETERMINE THE NEED FOR AND ESTABLISH TRAINING PROGRAMS TO ENSURE THAT ALL SITE WORKERS HAVE BEEN TRAINED, AT A MINIMUM, IN EROSION CONTROL, MATERIAL HANDLING AND STORAGE, AND HOUSEKEEPING.

C. PROVIDE COPIES OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO ALL PARTIES WHO ARE RESPONSIBLE FOR INSTALLATION, OPERATION, OR MAINTENANCE FOR ANY BEST MANAGEMENT PRACTICES (BMP'S).

D. MAINTAIN A CURRENT COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON THE SITE AT ALL TIMES.

16. PRIOR TO ANY MAJOR LAND DISTURBANCE ACTIVITY (OVER 1 ACRE), A LAND DISTURBANCE PERMIT FROM THE STATE OF ARKANSAS DEPARTMENT OF NATURAL RESOURCES, WILL BE REQUIRED.

17. ANY LAND CLEARING, CONSTRUCTION, OR DEVELOPMENT INVOLVING THE MOVEMENT OF EARTH SHALL BE IN ACCORDANCE WITH THE STORM WATER POLLUTION
PREVENTION PLAN.

ARKANSAS
ARK

REVISIONS

AR# 14947

S.H. SMITH & COMPANY AR COA# 56



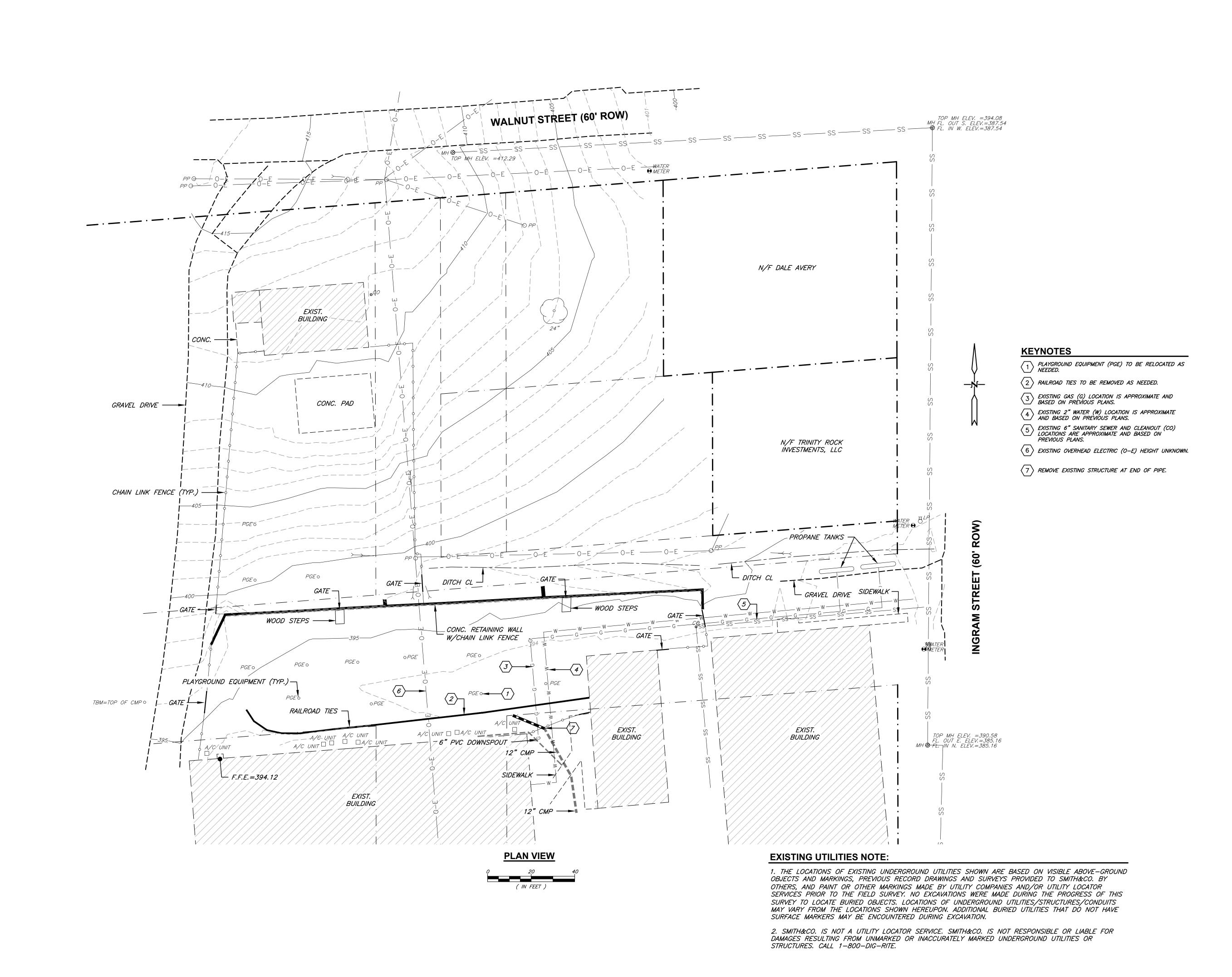
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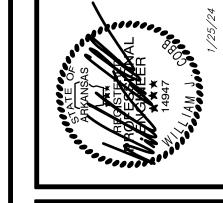
1-25-24
SHEET TITLE
LEGEND / NOTES

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JOB NO.

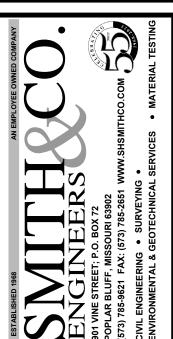


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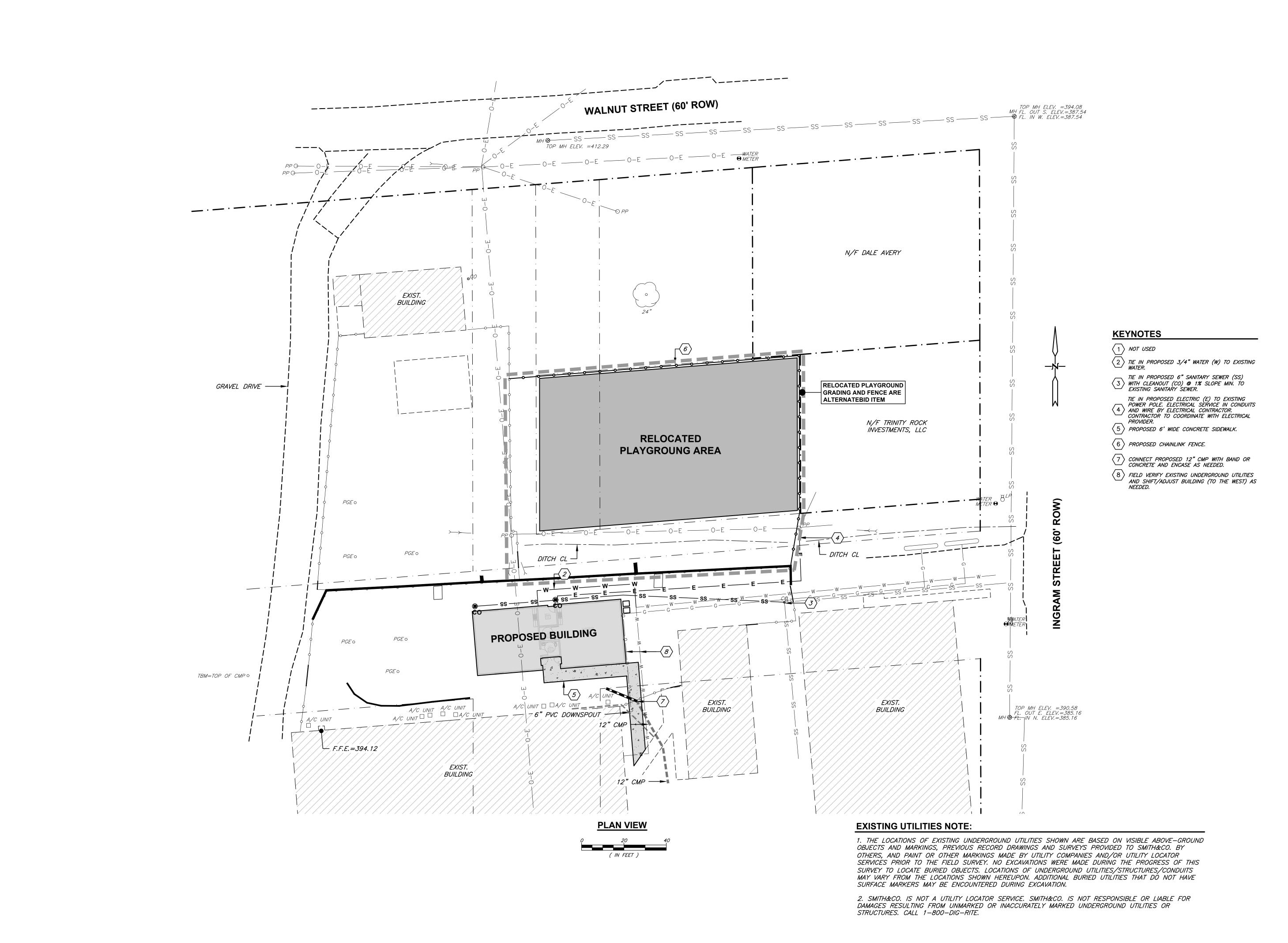
S.H. SMITH & COMPANY AR COA# 56



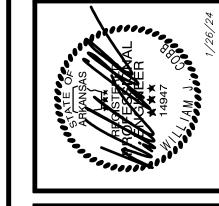
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1-25-24 **EXISTING SITE** CONDITONS / DEMO PLAN



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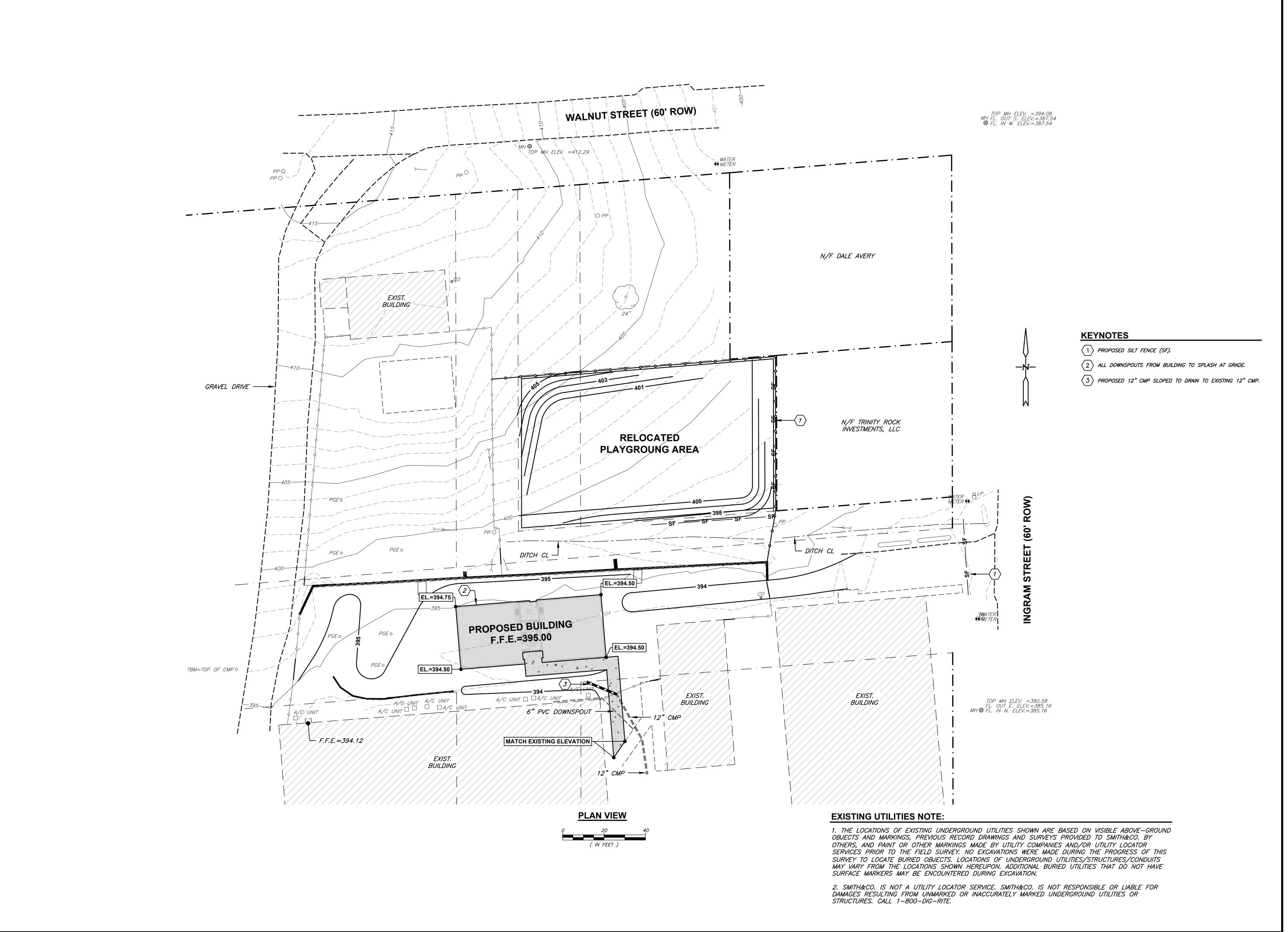
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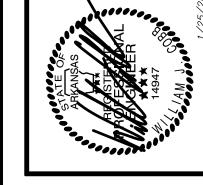
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WILLIAM J. COBB AR# 14947

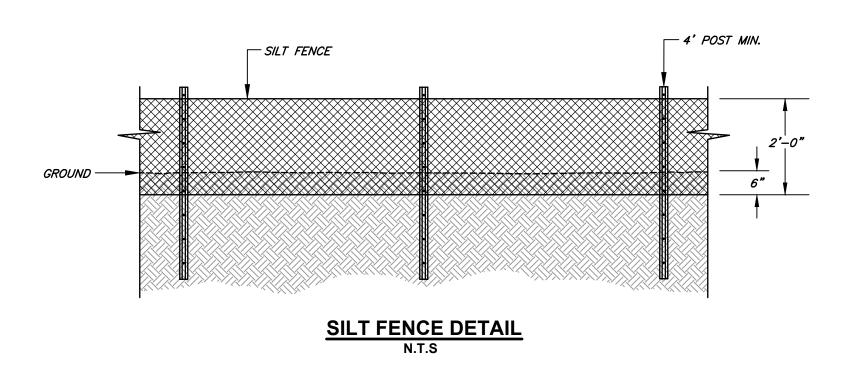
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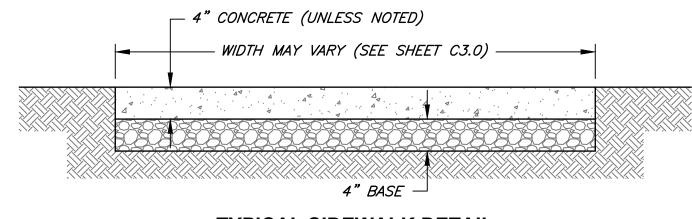


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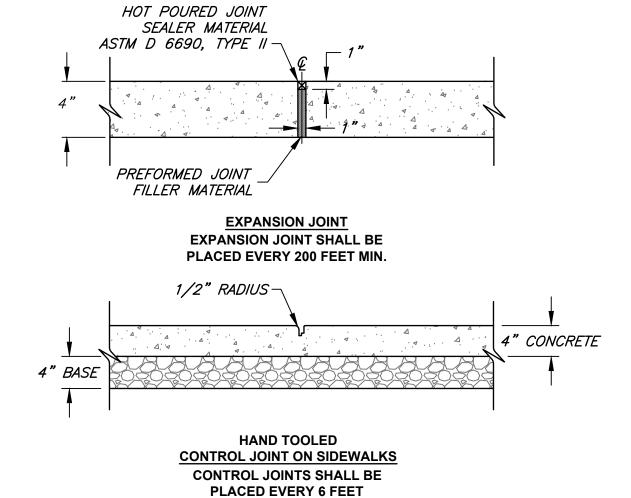
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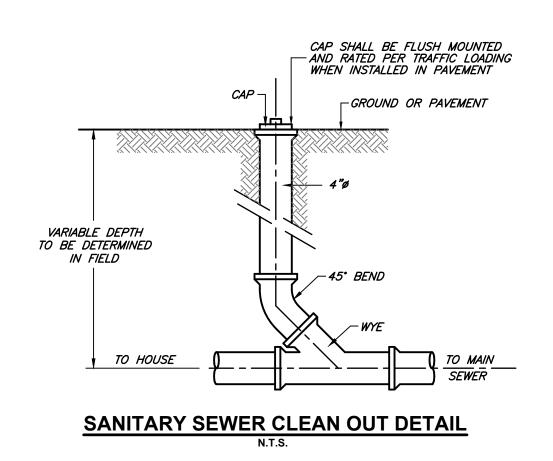


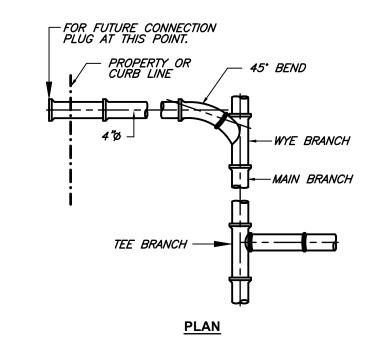


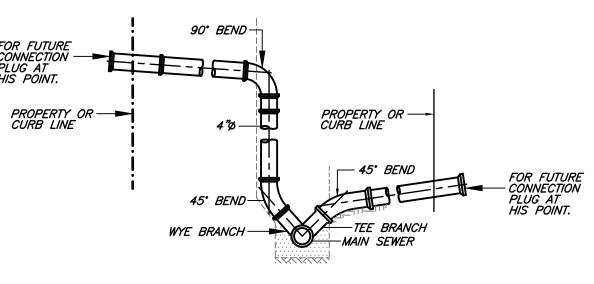
TYPICAL SIDEWALK DETAIL
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CONSTRUCTION JOINT DETAILS FOR SIDEWALKS

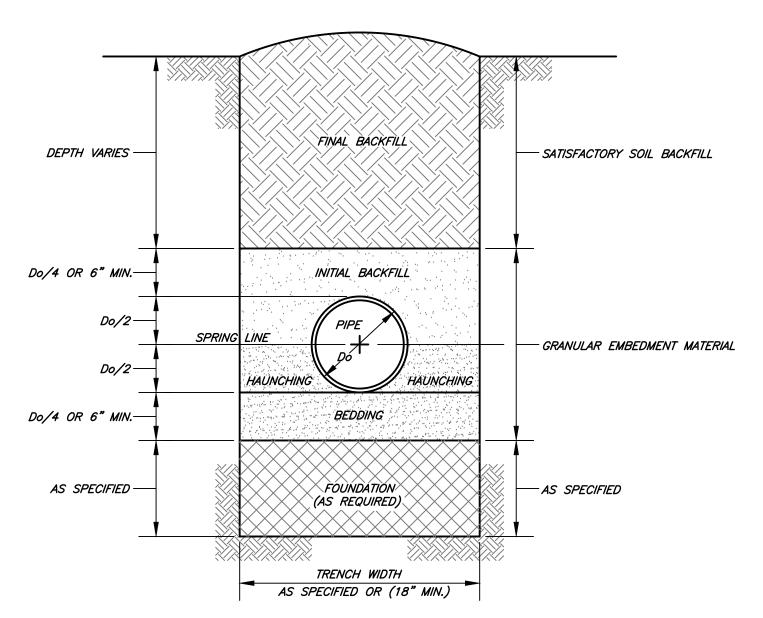






SERVICE CONNECTION (SANITARY SEWER)

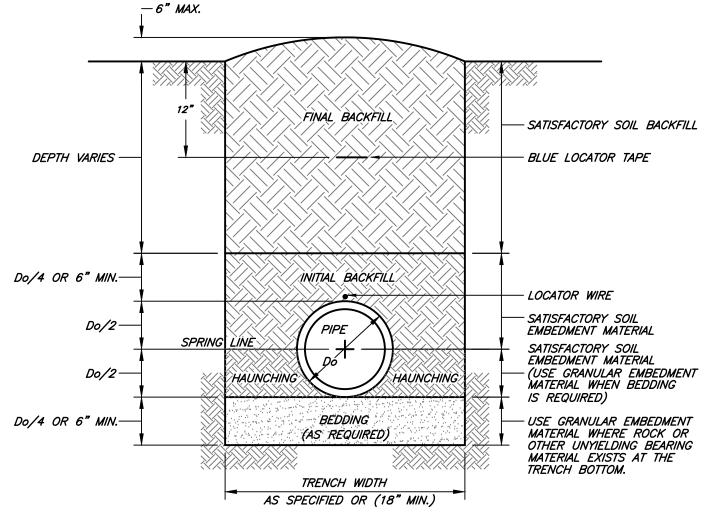
ELEVATION



* Do=OUTSIDE DIAMETER OF PIPE

* COMPACT ALL MATERIALS PER SPECIFICATIONS

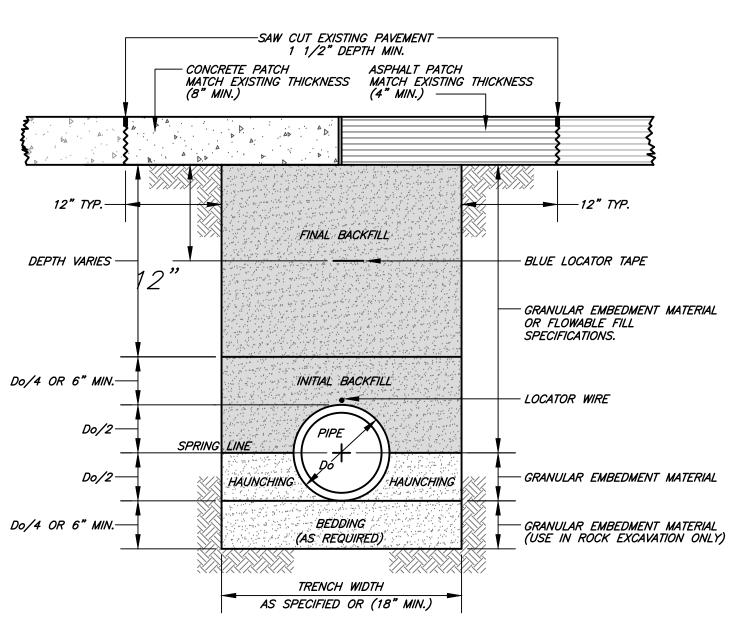
GRAVITY PIPE TRENCH DETAIL



* Do=OUTSIDE DIAMETER OF PIPE

* COMPACT ALL MATERIALS PER SPECIFICATIONS

PRESSURE PIPE TRENCH DETAIL

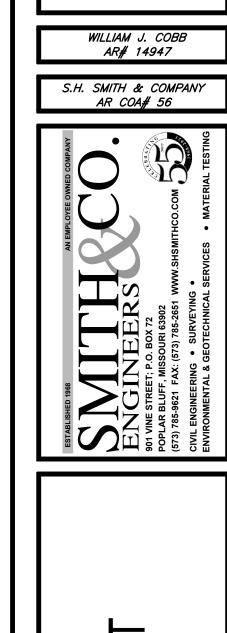


* Do=OUTSIDE DIAMETER OF PIPE

* COMPACT ALL MATERIALS PER SPECIFICATIONS

PRESSURE PIPE UNDER PAVEMENT - TRENCH DETAIL

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REVISIONS

NEW ELEMENTARY CLASSROOM BUILDING
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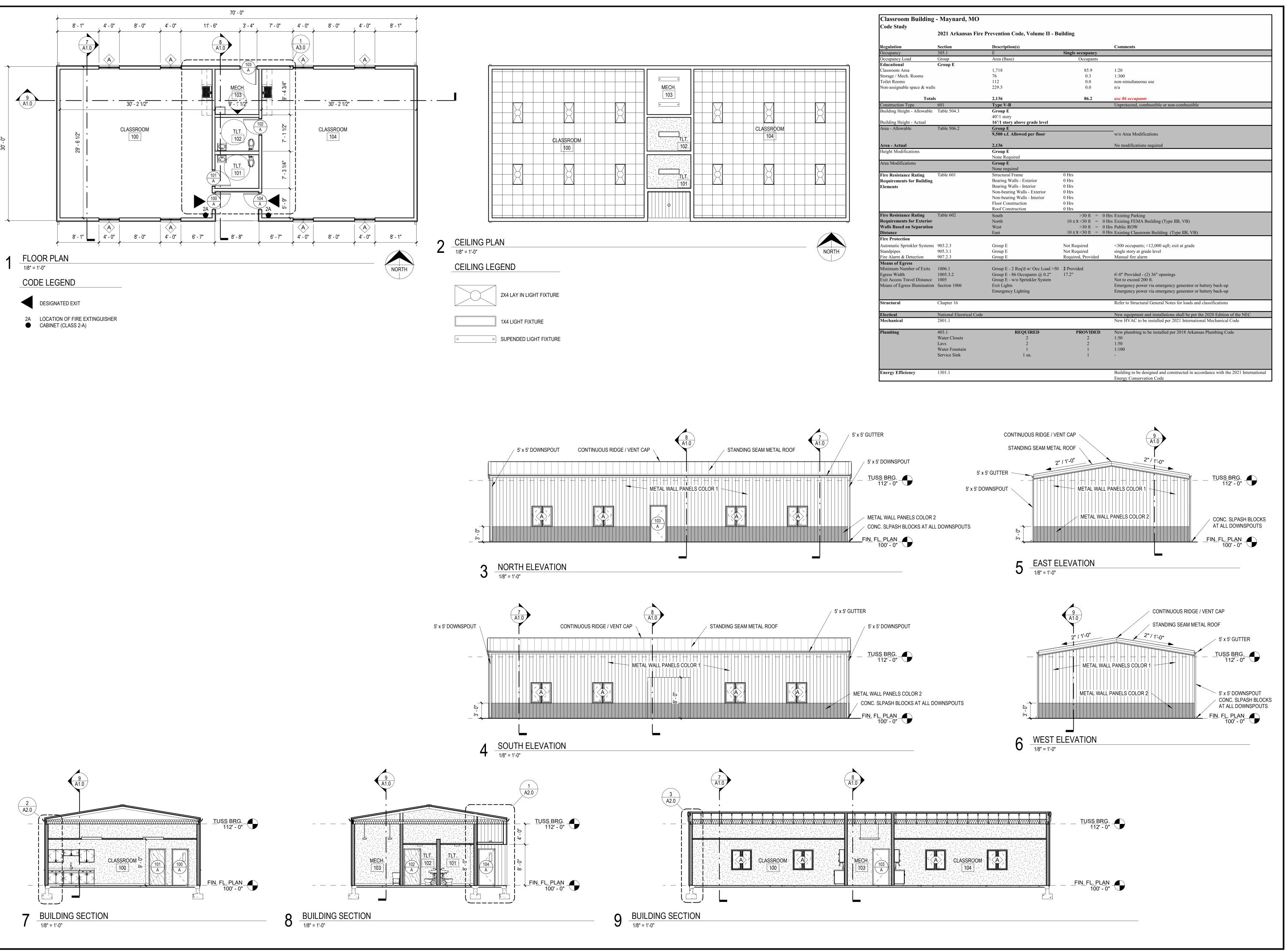
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CONSTRUCTION

DETAILS (1)

JOB NO.

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BRETT P. DILLE LICENSE NO. 8794

FIRM LICENSE NO. LL303

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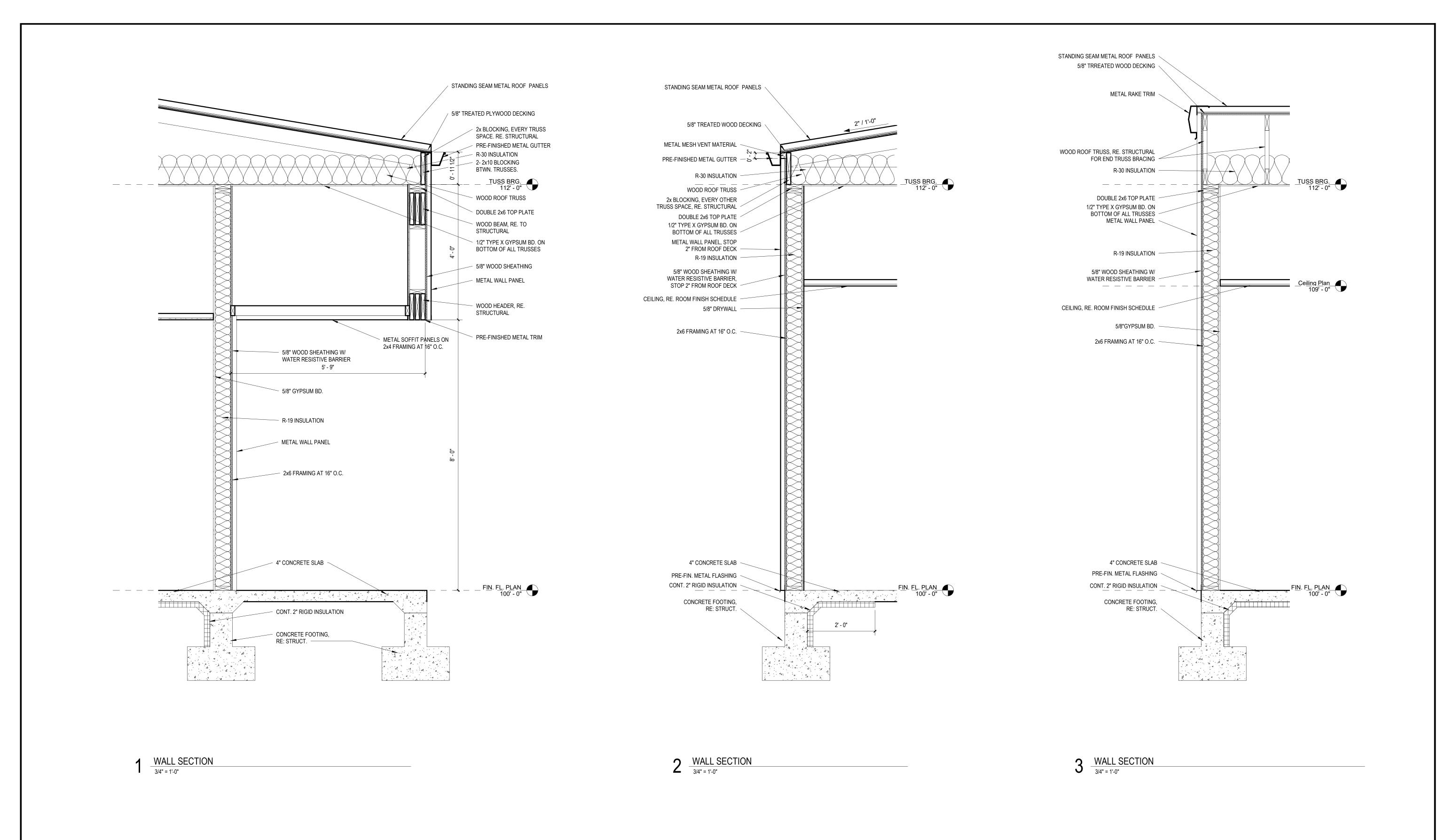
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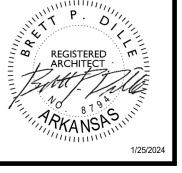
12-15-2023 PLANS & ELEVATIONS

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JOB NO. 23-18







BRETT P. DILLE LICENSE NO. 8794 DILLE POLLARD, LLC FIRM LICENSE NO. LL303

A R C H I T E C T U R E Cape Girardeau, MO Ph. 573-778-0033

www.dillepollard.com info@dillepollard.com

MAYNARD SCHOOL DISTRICT 113 HWY 328 W., MAYNARD, AR 72444

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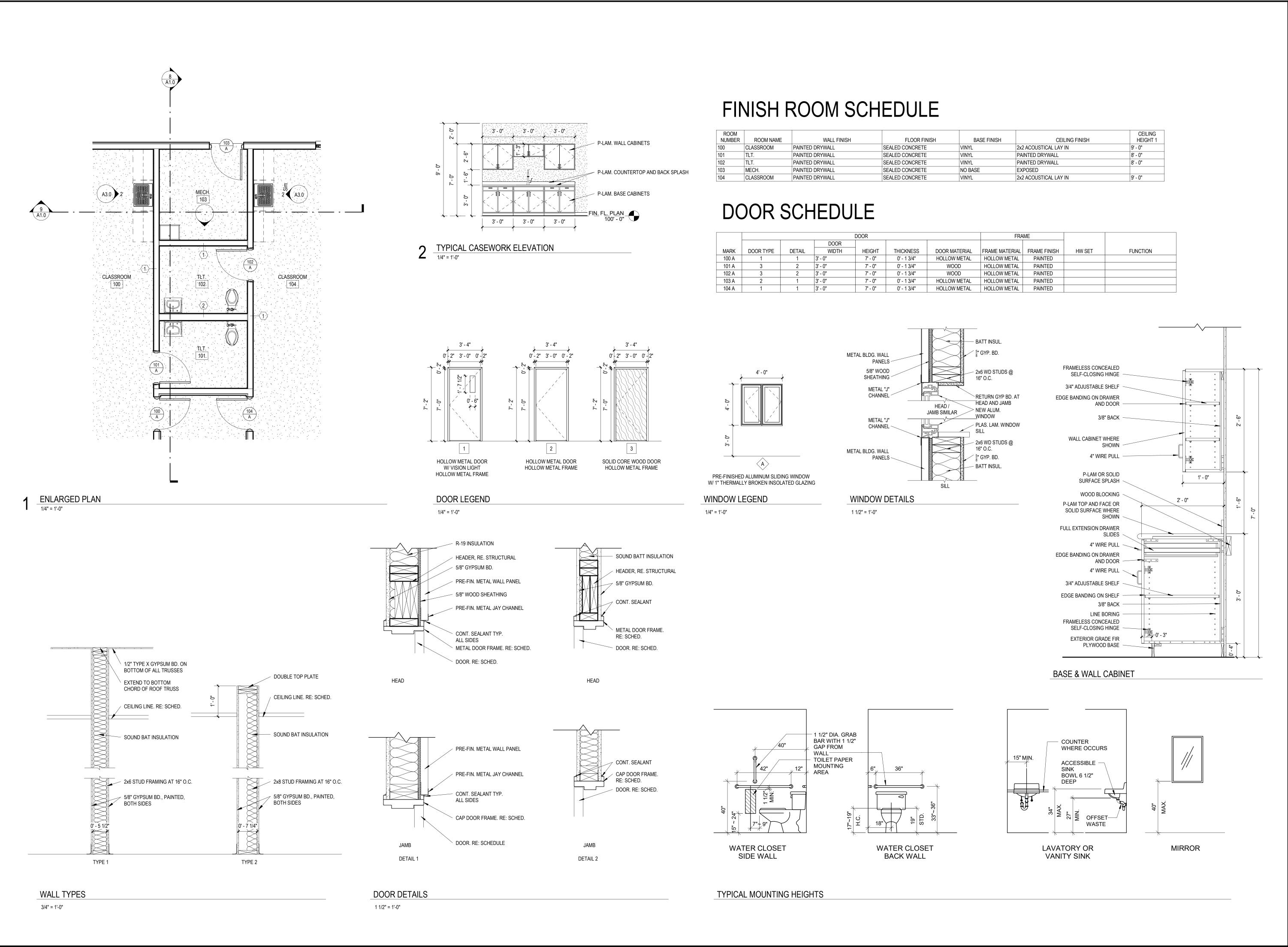
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12-15-2023
SHEET TITLE
WALL DETAILS

JOB NO. 23-18

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BRETT P. DILLE LICENSE NO. 8794

DILLE POLLARD, LLC FIRM LICENSE NO. LL303

A R C H I T E C T U R E

A Poplar Bluff, MO

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ROOM BUILDING OL DISTRICT ARD, AR 72444

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12-15-2023
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SCHEDULES & DETAILS

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> 308 NO. 23-18 SHEET

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GENERAL NOTES

- 1. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INCLUDE CONSTRUCTION MEANS AND METHODS. CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT ARE NOT LIMITED TO BRACING. SHORING FOR CONSTRUCTION LOADS, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED WORK. OBSERVATION VISITS BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE OBSERVATION OF
- THE ABOVE ITEMS CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF WORK, INCLUDING SAFETY OF PROPERTY AND PERSONS. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT JUST DURING NORMAL WORKING HOURS.
- . THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING SHORING AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT. ALL WORK OR CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES, REGULATIONS, AND
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND COORDINATION OF ALL DIMENSIONS, CONDITIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING OF ANY DISCREPANCIES OR OMISSIONS NOTED ON THE DRAWINGS
- OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS USED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES AND SHALL COORDINATE ALL DETAILSCONTRACTOR SHALL VERIFY ALL STRUCTURALLY SUPPORTED EQUIPMENT WEIGHTS. OPENING DIMENSIONS, AND LOCATIONS INDICATED ON THE STRUCTURAL DOCUMENTS WITH DRAWINGS FROM OTHER DISCIPLINES AND REPORT ANY DISCREPANCIES TO THE
- 6. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATION AND SIZE OF CHASES, INSERTS, OPENINGS, SLEEVES, WASHES, DRIPS, REVEALS, DEPRESSIONS, AND OTHER PROJECT REQUIREMENTS THAT AFFECT STRUCTURAL WORK. COMBINE THE REQUIREMENTS INTO THE SHOP DRAWINGS AND PROVIDE STRUCTURAL FRAMING PER TYPICAL DETAILS AS REQUIRED AT FLOOR, ROOF, AND WALL OPENINGS
- WHERE STRUCTURAL FRAMING IS NOT SPECIFICALLY SHOWN. NOT ALL OPENINGS ARE SHOWN IN THESE DRAWINGS. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS, AND SUBCONTRACTORS PRIOR TO CONSTRUCTION. OPENINGS MAY REQUIRE ADDITIONAL REINFORCING OR SUPPORTS AS SHOWN ON TYPICAL
- 8. ALL OPENINGS THROUGH STRUCTURAL MEMBERS SHALL BE SHOWN ON THE SHOP DRAWINGS. OPENINGS WHICH ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS ARE SUBJECT TO REVIEW AND ACCEPTANCE AND SHALL BE CLEARLY INDICATED FOR REVIEW
- AND ACCEPTANCE ON THE SHOP DRAWINGS. CONTRACT DOCUMENTS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS. 10. THE GENERAL NOTES ON THE DRAWINGS ARE INTENDED TO SUPPLEMENT THE GENERAL CONDITIONS AND TECHNICAL SPECIFICATIONS. WHEN THE NOTES ON THE DRAWINGS
- STRINGENT CRITERIA SHALL APPLY. 11. DETAILS AND NOTES SHALL APPLY THROUGHOUT THE PROJECT, EVEN IF NOT NECESSARILY CALLED OUT AT A SPECIFIC LOCATION ON PLANS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. DETAILS MAY ONLY SHOW ONE SIDE OF CONNECTION OR MAY OMIT INFORMATION FOR CLARITY. WHERE DISCREPANCIES OCCUR IN THESE DRAWINGS, NOTES AND DETAILS ON DRAWINGS SHALL

CONFLICT WITH TECHNICAL REQUIREMENTS OUTLINED IN THE SPECIFICATIONS THE MORE

TAKE PRECEDENCE OVER STRUCTURAL NOTES AND DETAILS. 12. ALL INSPECTIONS REQUIRED BY THE BUILDING CODES, LOCAL BUILDING OFFICIALS, OR BY THESE PLANS SHALL BE PROVIDED BY AN INDEPENDENT INSPECTION COMPANY AND/OR THE LOCAL BUILDING DEPARTMENT. INSPECTION REQUIREMENTS STATED HEREIN ARE PARTIAL COMPLETE INSPECTION REQUIREMENTS SHALL BE AS DIRECTED BY THE LOCAL BUILDING DEPARTMENT AND AS DEFINED IN THE GENERAL CONDITIONS AND TECHNICAL SPECIFICATIONS. SITE VISITS BY THE ENGINEER DO NOT CONSTITUTE AN INSPECTION

FOUNDATION NOTES

- 1. REFERENCE THE GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL SITE DEVELOPMENT REQUIREMENTS NOT INCLUDED IN THESE NOTES. THE REPORT SHALL BE
- CONSIDERED A PART OF THE CONTRACT DOCUMENTS ALL FOOTINGS SHALL BEAR ON AND BE FORMED BY CLEAN, UNDISTURBED, VIRGIN, NON-ORGANIC SOIL OR CONTROLLED ENGINEERED FILL WITH A MINIMUM NET BEARING CAPACITY PER CODE STUDY. EXISTING FILL SHALL BE REMOVED DOWN TO NATURAL SOIL UNDERNEATH AND AT LEAST 5 FEET BEYOND THE BUILDING FOOTPRINT AND REPLACED OR
- RECOMPACTED IF SUITABLE 3. EXTERIOR FOOTINGS SHALL BEAR AT OR BELOW MINIMUM FROST DEPTH AS DEFINED IN THE
- THICKENED SLAB EDGES FOR STOOPS, CANOPIES, ETC. SHALL BE 24 INCHES DEEP, UNO. STANDARD PROCEDURES OF FROST PROTECTION FOR FOUNDATIONS AND EXCAVATIONS
- SHALL BE EMPLOYED FOR WINTER CONSTRUCTION. BACKFILLING OF EXCAVATIONS SHALL BE DONE AS SOON AS POSSIBLE TO PROTECT FOUNDATIONS FROM FROST. ALL SOIL BELOW SLABS AND FOOTINGS SHALL BE PROPERLY COMPACTED AND SUBGRADE
- BROUGHT TO A TRUE AND LEVEL PLANE BEFORE PLACING CONCRETE HORIZONTAL BARS IN FOUNDATIONS SHALL BE CONTINUOUS. PROVIDE CORNER BARS AT ALL
- CORNERS AND INTERSECTIONS UNO. REFER TO CORNER BAR DETAIL.

ARCHITECT/ENGINEER. PENETRATIONS SHALL BE THROUGH THE FOUNDATION STEMWALL

- 8. FOUNDATION WALLS SHALL HAVE TEMPORARY BRACING BEFORE BACKFILL IS PLACED AGAINST THEM. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL WALL IS
- PERMANENTLY BRACED. 9. FOUNDATION PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE
- OR WITH A MINIMUM OF 4" COVER BELOW FOOTING. REFERENCE TYPICAL FOUNDATION WALL PENETRATION DETAIL FOR ADDITIONAL INFORMATION. IN THE AREA OF THE BUILDING, EXISTING ORGANIC MATERIAL, UNSUITABLE SOIL ABANDONED FOOTINGS, AND ANY OTHER EXISTING UNSUITABLE MATERIALS SHALL BE
- REMOVED. REFERENCE THE GEOTECHNICAL ENGINEERING REPORT FOR ACCEPTABLE FILL MATERIAL AND COMPACTION REQUIREMENTS 11. AFTER STRIPPING SITE AND PRIOR TO PLACEMENT OF ANY FILL, NOTIFY THE OWNERS
- REPRESENTATIVE FOR INSPECTION OF SOIL CONDITIONS. INSPECTION SHALL INCLUDE PROOF ROLLING THE SITE WITH HEAVY EQUIPMENT PROVIDED BY THE CONTRACTOR. 12. DRAINAGE FILL SHALL BE A FREE-DRAINING GRANULAR MATERIAL. USE #57 STONE OR APPROVED EQUAL. REFER TO ASTM D448 FOR GRADATION. REFERENCE SOILS REPORT FOR
- ADDITIONAL OPTIONS FOR DRAINAGE COURSE 13. EXCAVATION FOR FOOTINGS SHALL BE CUT TO ACCURATE SIZE AND DIMENSIONS AS SHOWN ON PLANS. ALL LOOSE MATERIAL BELOW FOOTINGS SHALL BE REMOVED AND THE SURFACE
- BROUGHT TO A REASONABLE TRUE AND LEVEL PLANE BEFORE PLACING CONCRETE. 14. TESTING OF CONTROLLED STRUCTURAL FILL SHALL BE DONE BY A QUALIFIED TESTING LABORATORY. APPROVED BY THE OWNER.
- 15. AFTER FOOTING EXCAVATIONS HAVE BEEN MADE TO DESIGN ELEVATIONS, THE INDEPENDENT TESTING AGENCY SHALL INSPECT AND TEST THE BEARING MATERIAL. WHEN MATERIAL OF INADEQUATE STRENGTH IS NOTED, THE CONTRACTOR SHALL FURTHER DEEPEN EXCAVATIONS UNTIL SUITABLE BEARING CONDITIONS ARE VERIFIED BY TESTING CONTRACTOR IS RESPONSIBLE TO MAINTAIN EXCAVATIONS AND BACKFILL MATERIALS AT AN APPROPRIATE MOISTURE CONTENT FOR PROPER SOIL BEARING CAPACITY AND COMPACTION OF BACKFILL MATERIALS REGARDING THE REQUIREMENTS OF THE GEOTECHNICAL ENGINEERING REPORT.

SLAB ON GRADE GENERAL NOTES:

- 1. REINFORCE SLAB ON GRADE AS SPECIFIED ON PLANS. LOCATE WWR IN TOP THIRD OF SLAB. PROVIDE BOLSTERS, CHAIRS, OR OTHER MEANS APPROVED IN WRITING BY THE ENGINEER TO PROPERLY LOCATE REINFORCING. CHAIR SPACING SHALL NOT EXCEED 2' - 0" OC. SLAB ON GRADE INSIDE THE BUILDING STRUCTURE SHALL BE SUPPORTED ON A 6" DRAINAGE COURSE. DRAINAGE COURSE SHALL BE AS FOLLOWS: COURSE OF CLEAN WASHED GRANULAR MATERIAL PLACED TO CUT OFF UPWARD CAPILLARY FLOW OF GROUND WATER OR TO PROVIDE A STABLE BASE FOR PIPES OR OTHER STRUCTURES. MATERIAL SHALL BE WASHED, EVENLY GRADED MIXTURE OF CLEAN CRUSHED STONE, OR CRUSHED OR UNCRUSHED GRAVEL, ASTM D 448, COARSE AGGREGATE GRADING SIZE 57, WITH 100 PERCENT PASSING A 1-1/2 INCH SIEVE AND NOT MORE THAN 5 PERCENT PASSING A NO. 8
- VAPOR BARRIER TO BE LOCATED BELOW THE SLAB AND ABOVE THE DRAINAGE COURSE AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND THE PROJECT
- ALL CONCRETE SLABS SHALL BE SAW CUT AS SOON AS THE CONCRETE WILL SUPPORT THE SAWING EQUIPMENT AND DOES NOT RAVEL DURING THE SAWING OPERATION. ALL SAW
- CUTTING SHALL BE DONE THE SAME DAY THE CONCRETE IS PLACED. REFERENCE CONCRETE SLAB JOINT DETAIL FOR ADDITIONAL INFORMATION ALL CONCRETE FLAT WORK SHALL BE COVERED IMMEDIATELY FOLLOWING SAW CUTTING
- AND MAINTAINED CONTINUOUSLY WET FOR A MINIMUM OF SEVEN DAYS AFTER PLACING CURING SHEETS SHALL BE USED AND ARE TO REMAIN IN PLACE DURING THIS PERIOD. ALTERNATE CURING METHODS MAY BE USED AS DEFINED IN THE PROJECT SPECIFICATIONS CONSTRUCTION JOINTS ARE TO BE LOCATED AT A MAXIMUM OF 150'-0" ON CENTER EVERY ATTEMPT SHALL BE MADE TO TERMINATE CONSTRUCTION JOINTS AT CONCRETE ISOLATION BLOCKOUTS. CONSTRUCTION JOINTS SHALL BE LOCATED SUCH THAT THEY ARE A MINIMUM OF 5'-0" FROM ANY PARALLEL CONTRACTION JOINT.
- CONTRACTION JOINTS ARE TO BE LOCATED AT A MAXIMUM OF 12'-0" ON CENTER. AND SHALL FORM NEARLY SQUARE SHAPES. EVERY ATTEMPT SHALL BE MADE TO LOCATE CONTRACTION JOINTS SUCH THAT THEY TERMINATE AT CONCRETE ISOLATION BLOCKOUTS. JOINTS SHALL ALSO BE PLACED AT EDGES OF ALL THICKENED SLAB FOOTINGS. CONTRACTOR SHALL SUBMIT LAYOUT OF ALL CONCRETE SLAB JOINTS TO ARCHITECT FOR
- PROVIDE JOINT FILLER AT THE INTERFACE OF ALL WALL AND SLAB JOINTS. 10. REFERENCE SLAB OPENING REINFORCING DETAIL AND REENTRANT CORNER REINFORCING DETAILS FOR SLAB REINFORCING REQUIREMENTS AT OPENINGS AND REENTRANT CORNERS.

REVIEW A MINIMUM OF THREE WEEKS PRIOR TO SLAB PLACEMENT

POST-INSTALLED ANCHOR NOTES

- 1. CONTINUOUS INSPECTIONS ARE REQUIRED FOR POST-INSTALLED ANDHORS INCLUDING SIZE, LENGTH, DRILLING METHOD, HOLE CLEANING PROCEDURES, AND ANCHOR INSTALLATION AND SETTING PROCEDURES.
- ADHESIVE ANCHORS SHALL BE INSTALLED BY AN ADHESIVE ANCHOR INSTALLER WHO HAS BEEN CERTIFIED BY ACI AND TRAINED BY THE MANUFACTURER. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN
- INSTALLATION INSTRUCTIONS INCLUDED WITH ANCHOR PACKAGING 4. FOR ANCHORING INTO NEW CONSTRUCTION, CONCRETE AND/OR GROUT BASE MATERIAL MUST REACH DESIGN COMPRESSIVE STRENGTH PRIOR TO THE INSTALLATION OF ANY TYPE
- OF ANCHOR 5. CONCRETE SHALL BE A MINIMUM OF 21 DAYS OLD PRIOR TO ADHESIVE ANCHOR INSTALLATION. FOR ANCHORAGE INTO GREEN CONCRETE WITH LESS THAN 21 DAYS OF
- CURE, CONTACT ENGINEER OF RECORD FOR ADDITIONAL REQUIREMENTS AND OPTIONS PRIOR TO INSTALLATION . REFER TO DETAILS FOR TYPE OF ANCHOR MATERIAL TO PROVIDE AT LOCATIONS SPECIFIED
- 7. EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST
- OF THE FOLLOWING TYPES: a. ADHESIVE EPOXY ANCHORAGE TO CONCRETE: HILTI HIT-RE 500-SD EPOXY ADHESIVE ANCHORING SYSTEM, OR APPROVED EQUAL. THE STEEL ANCHOR ELEMENT MAY BE HILTI HAS-E CONTINUOUSLY THREADED ROD, HILTI HIS-N INTERNALLY THREADED INSERT, OR APPROVED BOLT CONFORMING TO ASTM A307 GRADE 36 MATERIAL.
- b. MECHANICAL ANCHORS FOR CONCRETE OR SOLID GROUTED MASONRY CELLS: HILTI KWIK HUS EZ-I SCREW ANCHORS, OR SIMPSON'S TITEN HD SCREW ANCHOR OR APPROVED FOUAL
- c. ADHESIVE EPOXY ANCHORAGE TO SOLID GROUTED MASONRY CELLS: HILTI HIT-HY 270 SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VC 150/300 VACUUM SYSTEM, OR APPROVED EQUAL. THE STEEL ANCHOR ELEMENT MAY BE HILTI HAS-E CONTINUOUSLY THREADED ROD OR APPROVED BOLT CONFORMING TO ASTM A307 GRADE 36 MATERIAL. d. ADHESIVE EPOXY ANCHORAGE TO HOLLOW MASONRY CELLS (ONLY AT APPROVED
- LOCATIONS): HILTI HIT-HY270 SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VC 150/300 VACUUM SYSTEM, OR APPROVED EQUAL. THE STEEL ANCHOR ELEMENT MAY BE HILTI HAS-V-36 CONTINUOUSLY THREADED ROD OR APPROVED BOLT CONFORMING TO ASTM A307 GRADE 36 MATERIAL. THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER THE ADHESIVE MANUFACTURER'S RECOMMENDATIONS.
- ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
- . UNLESS AUTHORIZED BY THE STRUCTURAL ENGINEER OF RECORD. ALL ANCHORS SHALL BE CERTIFIED PER ICC ES ACCEPTANACE CRITERIA AND HAVE AN ICC ES EVALUATION REPORT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWIN COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES LOAD RESISTANCE INSTALLATION. CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP. IN-SERVICE TEMPERATURE INSTALLATION TEMPERATURE MOISTURE CONDITION OF CONCRETE AND DRILLING METHODS. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN
- WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. 10 THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THE ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE
- COMMENCEMENT OF ANCHOR INSTALLATION. 11. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS (IF AVAILABLE) AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LÓCATION OF THE CONCRETE ANCHORS BY A FERROSCAN, GPR, X-RAY OR OTHER MEANS NECESSARY BEFORE DRILLING CAN BEGIN.

CONCRETE NOTES

- 1. THE FOLLOWING NOTES ARE INTENDED TO SUPLEMENT THE SPECIFICATIONS. WHEN THE NOTES ON THE DRAWINGS CONFLICT WITH THE TECHNICAL REQUIREMENTS OUTLINED IN THE SPECIFICATION THE MORE STRINGENT CRITERIA SHALL APPLY
- ALL REINFORCING SHALL BE BENT COLD. BARS SHALL NOT BE STRAIGHTENED AND RE-BENT. FIELD BENDING OF REBAR SHALL NOT BE ALLOWED UNLESS SPECIFICALLY NOTED

3 REINFORCING BAR SPACING SHOWN ON PLANS ARE AT MAXIMUM ON CENTERS. ALL BARS

- SHALL BE DETAILED AND PLACED PER CONCRETE REINFORCING STEEL INSTITUTE (CRSI) SPECIFICATIONS AND HANDBOOK. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING 4. ALL CONSTRUCTION JOINTS SHOWN ON THE DRAWINGS SHALL BE INCORPORATED IN THE
- STRUCTURE UNLESS THEIR ELIMINATION IS APPROVED BY THE ENGINEER. ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION SHALL BE LOCATED AND DETAILED ON SHOP DRAWINGS FOR REVIEW BY THE ENGINEER OF RECORD. REFER TO SLAB ON GRADE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE BAR SUPPORTS: BOLSTERS, CHAIRS, SPACERS, AND OTHER DEVICES FOR
- SPACING, SUPPORTING, AND FASTENING REINFORCING BARS AND WELDED WIRE REINFORCEMENT IN PLACE. MANUFACTURE BAR SUPPORTS FROM STEEL WIRE, PLASTIC, OR PRECAST CONCRETE ACCORDING TO CRSI's "MANUAL OF STANDARD PRACTICE." 6. PROVIDE TEMPORARY SHORING AND BRACING OF ALL STRUCTURAL AND MISCELLANEOUS
- FLEMENTS UNTIL CONCRETE HAS OBTAINED 80% OF DESIGN STRENGTH. 7. PROVIDE CONTROL JOINTS IN RETAINING WALLS AT 20 FEET TO 25 FEET ON CENTER OR AS INDICATED ON DRAWINGS 8. PROVIDE PVC BARBELL WATERSTOP CAST INTEGRALLY INTO THE JOINT FOR FOUNDATION
- AND WALL CONSTRUCTION WHERE FINISHED INTERIOR SPACES ARE LOCATED BELOW FINISHED GRADE. REFER TO SPECIFICATIONS. 9. WHERE FOOTINGS, WALLS, OR OTHER STRUCTURAL ELEMENTS INTERSECT, CORNER, OR TEE, PROVIDE CORNER BARS WITH REQUIRED LAP LENGTHS TO PROVIDE CONTINUITY OF
- HORIZONTAL STEEL REINFORCING UNO. 10. PROVIDE MINIMUM 3" COVER FOR ANCHOR BOLTS AND LOCATE REINFORCEMENT TO THE OUTSIDE FOR ANCHOR BOLT CONTAINMENT UNO.
- 11. TESTING OF FRESH CONCRETE SHALL BE DONE BY A QUALIFIED TESTING LABORATORY. TEST SHALL INCLUDE SLUMP, AIR CONTENT, CONCRETE TEMP, AND 28 DAY COMPRESSIVE STRENGTH. TESTS SHALL BE PERFORMED FOR EACH SET OF COMPRESSIVE STRENGHT
- CYLINDERS CAST. REFERENCE SPECIFICATION FOR ADDITIONAL REQUIREMENTS. 12. REFERNCE TABLE BELOW FOR CONCRETE DESIGN PROPERTIES.

	CONC	RETE DESIGN	I PROP	PERTIES		
LOCATION	ACI 318 EXPOSURE CLASSES	COMP. STRENGTH AT 28 DAYS (f'c)	W/CM RATIO	TARGET AIR (+/- 1%)	SLUMP (+/-1")	MAX COARSE AGG. SIZE
INTERIOR SOG	F0, S0, W0, C0	4500 PSI	0.45	2%	4"	1"
FOOTING	F2, S0, W2, C1	4500 PSI	0.45	6%	4"	1"
FND WALL	F2, S0, W2, C1	4500 PSI	0.45	6%	4"	1"
EXTERIOR SOG	F3, S0, W2, C2	5000 PSI	0.40	5%	4"	1"

GENERAL WOOD FRAMING NOTES:

- 1. STRUCTURAL DRAWINGS SHOW THE REQUIREMENTS OF STRUCTURAL WALLS. "STRUCTURAL WALLS" REFER TO ALL WALLS SPECIFIED IN STRUCTURAL DRAWINGS INCLUDING EXTERIOR WALLS, SHEAR WALLS, AND WALLS SPECIFIED AS "STRUCTURAL.
- ANY NON-STRUCTURAL FRAMING SHOWN ON STRUCTURAL PLANS IS FOR REFERENCE ONLY AND SHALL BE LOCATED AND SIZED AS SHOWN ON THE ARCHITECTURAL DRAWINGS.
- ALL STRUCTURAL WOOD FRAMING SHALL MEET THE MINIMUM MEMBER PROPERTIES AS DEFINED IN THE WOOD FRAMING SCHEDULE WOOD FRAMING, ROUGH CARPENTRY, AND MISCELLANEOUS WOOD CARPENTRY WORK
- SHALL BE GOVERNED BY THE REQUIREMENTS OF THE IBC VERSION LISTED IN THE CODE STUDY. ALL SUCH WORK SHALL COMPLY WITH CONSTRUCTION, CONNECTION AND GENERAL REQUIREMENTS OF CHAPTER 23 OF THE CODE. THE CONTRACTOR SHALL PROVIDE ALL PARTIES WITH A COPY OF THIS CHAPTER. 5. ALL WALL OPENINGS SHALL BE FRAMED WITH A WOOD HEADER AS DEFINED BY THE WOOD
- HEADER SCHEDULE OR AS DEFINED BY GENERAL FRAMING NOTES. HEADER BEAM SIZE SHALL BE BASED ON THE CLEAR OPENING SIZE AS SHOWN ON THE ARCHITECTURAL DRAWINGS OR AS CALLED OUT ON THE STRUCTURAL DRAWINGS ALL BEAMS, GIRDERS, AND GIRDER TRUSSES BEARING PERPENDICULAR TO WALL FRAMING
- NOT SPECIFICALLY DETAILED SHALL BE SUPPORTED BY BUILT-UP COLUMNS CREATED FROM MULTIPLE STUDS. BUILT-UP COLUMN SHALL BE AS WIDE OR WIDER THAN THE BEAM OR GIRDER AND SHALL BE CONTINUOUS TO FOUNDATION.
- ALL WOOD FRAMING SHALL BE FREE OF LARGE KNOTS, WARPS, SPLITS, AND DEFECTS 8. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE TREATED AND SHALL
- COMPLY WITH APPLICABLE REQUIREMENTS OF AWPA STANDARDS U1 PER THE SPECIFICATIONS 9. SILL PLATES SHALL BE CONNECTED TO THEIR SUPPORT AS REQUIRED BY THE TYPICAL
- WOOD WALL FRAMING DETAIL AND THE WOOD WALL SCHEDULE. 10. REFERENCE THE TYPICAL WOOD WALL FRAMING DETAIL FOR ADDITIONAL REQUIREMENTS.

PRE-ENGINEERED WOOD TRUSS NOTES

- ALL ROOF TRUSSES SPECIFIED IN THE DRAWINGS SHALL BE PRE-ENGINEERED MANUFACTURED TRUSSES. TRUSSES SHALL BE DESIGNED TO MEET THE MINIMUM LOADING CRITERIA AS SPECIFIED ON THE PLANS, DETAILS, SCHEDULES AND CODE STUDY. SHOP DRAWINGS AND CALCULATIONS FOR TRUSSES SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED
- TRUSS LAYOUTS HAVE BEEN PROVIDED ON THE FRAMING PLANS TO SHOW THE DESIGN INTENT FOR LOAD TRANSFER INTO THE SUPPORTING STRUCTURE. ALL PROPOSED MODIFICATIONS TO THE TRUSS LAYOUT SHALL BE APPROVED BY THE ENGINEER OF RECORD. MODIFICATION OF THE LAYOUT MAY RESULT IN SUPPORT STRUCTURE MODIFICATION
- INCLUDING BUT NOT LIMITED TO CONNECTIONS, WALL FRAMING AND BUILT-UP COLUMNS. ALL RESULTING MODIFICATIONS INCLUDING MATERIAL CHANGES AND ADDITIONAL ENGINEERING FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR. LOADING SHALL BE AS DEFINED IN THE CODE STUDY FOR THE DESIGN OF TRUSSES AND IS THE MINIMUM REQUIRED LOADING FOR DESIGN. TRUSS MANUFACTURER IS RESPONSIBLE FOR PROVIDING A COMPLETE SYSTEM MEETING ALL THE LOADING REQUIREMENTS OF THE

CODE STUDY

- LATEST VERSION OF THE INTERNATIONAL BUILDING CODE THE TRUSS MANUFACTURER IS RESPONSIBLE FOR PROVIDING A COMPLETE SYSTEM MEETING ALL THE MINIMUM DESIGN LOADS OF THE CODE STUDY AND DESIGN REQUIREMENTS OF THE CODE REFERENCED IN THE CODE STUDY. DEFLECTION CRITERIA:
- LIVE LOAD: L/360 TOTAL LOAD: L/240 OR 3/4" WHICHEVER IS LESS
- LIVE LOAD: L/360

CONTRACTOR

- TOTAL LOAD: L/240 OR 1/2" WHICHEVER IS LESS TRUSS MANUFACTURER SHALL ADJUST SPACING OR PROVIDE ADDITIONAL BLOCKING FOR HIP ROOF SECTIONS TO MAINTAIN THE MAXIMUM SPAN ROOF SHEATHING SHOWN ON THE PLANS. LUMBER USED FOR THE FABRICATION OF TRUSSES SHALL BE FREE OF LARGE KNOTS OR
- OTHER DEFECTS TRUSSES SHALL BE FABRICATED WITH MINIMUM 20 GAGE TRUSS PLATES HAVING A MINIMUM
- PENETRATION OF 0 37" 9. CEILINGS ARE NOT DESIGNED TO BRACE TRUSS BOTTOM CHORDS. TRUSS MANUFACTURER SHALL DESIGN PERMANENT BOTTOM CHORD BRIDGING TO BE SUPPLIED BY THE
- REQUIRED BRACING, BLOCKING, BRIDGING, WEB STIFFENERS FOR TRUSSES IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE INCLUDED IN THE SHOP DRAWINGS AND SHALL BE IN PLACE PRIOR TO INSTALLATION OF DECKING. . TRUSS DESIGNER SHALL DESIGN AND DETAIL ALL TRUSS CONNECTIONS TO SUPPORTING MEMBERS. REFER TO DETAILS AND PLANS FOR SPECIAL LOADING CONDITIONS WHERE THE
- STRUTS, CHORD FORCES AND STABILIZING ELEMENTS. ADDITIONAL DESIGN LOADS FROM ARCHITECTURAL FEATURES, ROOF TOP UNITS, OR ANY OTHER CONCENTRATED LOADS SHOWN ON THE DRAWINGS SHALL BE CONSIDERED AS ADDITIONAL COLLATERAL LOADS. THESE LOADS SHALL BE CONSIDERED IN THE DESIGN OF THE TRUSSES IN ADDITION TO THE SPECIFIED UNIFORM LOADS AND PANEL LOADS. COORDINATE ALL EQUIPMENT AND OTHER COLLATORAL ELEMENT LOCATIONS AND WEIGHTS WITH ARCHITECTURAL AND MEP DRAWINGS. WHERE SUCH LOADS DO NOT OCCUR AT PANEL POINTS OF THE TRUSS, AUXILIARY FRAMING SHALL BE ADDED OR THE TOP CHORD DESIGNED

TRUSS IS A PART OF THE LATERAL RESISTANCE SYSTSEM FOR LOAD COLLECTORS, DRAG

FOR THE EFFECTS OF THE LOAD 13. UPLIFT TIES AT TRUSS ENDS ARE SPECIFIED IN PLANS. GIRDER TRUSS CONNECTIONS SHALL BE PROVIDED WITH METAL CONNECTIONS CAPABLE OF TRANSFERRING UPLIFT LOAD WITH DIRECT ATTACHMENT TO THE SUPPORTING WOOD COLUMNS BELOW THE SILL PLATE.

SPECIAL STRUCTURAL INSPECTION NOTES

1. SPECIAL INSPECTIONS SHALL BE IN CONFORMANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE REFERENCED IN THE TABLE BELOW

AND THEIR POSITION IN THE ORGANIZATION.

- PERIODIC INSPECTION IS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTIONS BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK
- 3. CONTINUOUS INSPECTIONS IS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
- INSPECTION REPORTS SHALL BE PREPARED ACCORDING TO IBC CHAPTER 17. 5. IBC SECTION 109 SHALL BE REFERENCED FOR GENERAL REQUIREMENTS REGARDING
- 6. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND OR SEISMIC FORCE RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR A WIND OR SEISMIC RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE STATEMENT
- SHALL INCLUDE THE FOLLOWING: a. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED ON THE STATEMENT OF SPECIAL INSPECTIONS.
- b. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
- c. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF REPORTS. d. IDENTIFICATION AND QUALIFICATIONS OF THE PERSONS EXERCISING SUCH CONTROL
- SPECIAL INSPECTORS SHALL KEEP RECORDS OF SPECIAL INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO THE OWNER, ENGINEER OF RECORD, CONTRACTOR, BUILDING OFFICIAL, AND OTHER DESIGNATED PERSONS. DISCREPANCIES SHALL BE BROUGHT TO THE MMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARI NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND BUILDING OFFICIAL. SPECIAL INSPECTORS SHALL SUBMIT FINAL REPORTS DOCUMENTING SPECIAL INSPECTIONS AND CORRECTIONS OF ANY DISCREPANCIES.

IBC 2018 REQUIRED SPECIAL INSPECTIONS			
ELEMENT	REQUIREMENT REFERENCE		
CONCRETE CONSTRUCTION	IBC 2018 TABLE 1705.3		
WOOD CONSTRUCTION	IBC 2018 SECTION 1704.2.5		
SOILS	IBC 2018 TABLE 1705.6		
FABRICATED ITEMS	IBC 2018 SECTION 1704.2.5		

F		N CODE:		IBC 2018
C		STANDAR PANCY/RI	D: SK CATEGORY:	ASCE 7-16
	OCCO	PANC t/Ni	SK CATEGORY:	"
Г	DEAD	LOADS:		
P	A.	ROOF LO	AD SUPPORTED BY TRUSSES	
		TRUSS T	OP CHORD	10 PSF
		TRUSS B	OTTOM CHORD	10 PSF
			OR GRAVITY COMBINATIONS	20 PSF
		TOTAL FO	OR UPLIFT COMBINATIONS	12 PSF
. L	LIVE L	OADS:		
	A.	ROOF LIV	/E LOAD (Lr) *	20 PSF
E	B.	воттом	CHORD LIVE LOAD *	10 PSF
C	C.	CONCEN	TRATED ROOF LIVE LOAD	300 LBS
	D.	SLAB ON	GRADE	100 PSF
. F	POOE	SNOW LO	NADS:	PER ASCE 7-16
	A.		IOW LOAD (ENGINEER'S DISCRETION)	30 PSF
_	В.		SNOW LOAD (pg)	10 PSF
C	C.		RE FACTOR (Ce)	1.0
	D.	THERMAI	L FACTOR (Ct)	1.0
E	E.	IMPORTA	NCE FACTOR (I)	1.1
	F		OF SNOW LOAD (pf)	7.7 PSF
	G.		SNOW SURCHARGE	0 PSF
-	H. I.	SNOW DE	I SNOW LOAD (Pm)	11 PSF PER CODE
1.		O. NO VV DI	···	FER CODE
. v	WIND	LOADS:		PER ASCE 7-16
P	A.	BASIC WI	IND SPEED (V)	113 MPH
E	В.	IMPORTA	NCE FACTOR (I)	N/A
C	C.	EXPOSU	RE CATEGORY	C
	D.		DNALITY FACTOR (Kd)	0.85
-	E. F.		APHIC FACTOR (Kzt) L PRESSURE COEFFICIENT (GCpi)	1.00 +-0.18
_	г. G.		R WALLS AND PARTITIONS	5 PSF
	<u> </u>			3.5.
6.	COMP	ONENTS A	AND CLADDING WIND PRESSURES	PER ASCE 7-16
P	A.	END BOU	INDARY (a)	3.0 FEET
E	B.	ROOF (10	•	
			ZONE 1 & 2e	-51.4 PSF
		-	ZONE 2n, 2r, & 3e	75.0 PSF
			ZONE 3r	-89.2 PSF
		-	ALL ZONES	16.9 PSF
(С	OVERHAI		
C	C.	OVERHAI		-59.0 PSF
(C.		ZONE 1 & 2e ZONE 2n & 2r	-59.0 PSF -82.6 PSF
	C.	_	ZONE 1 & 2e	
C	C.	-	ZONE 1 & 2e ZONE 2n & 2r	-82.6 PSF
	C.	-	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r	-82.6 PSF -96.7 PSF
		- WALLS (1	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r	-82.6 PSF -96.7 PSF
		- WALLS (1	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 0 SF)	-82.6 PSF -96.7 PSF -110.9 PSF
		- WALLS (1	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 0 SF) ZONE 4	-82.6 PSF -96.7 PSF -110.9 PSF -27.6 PSF
	D.	- WALLS (1	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 0 SF) ZONE 4 ZONE 5 ZONE 4 & 5	-82.6 PSF -96.7 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF
. <u> </u>	D. SEISM	- WALLS (1	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 0 SF) ZONE 4 ZONE 5 ZONE 4 & 5	-82.6 PSF -96.7 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF
. <u>\$</u>	D. SEISM A.	- WALLS (1	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 0 SF) ZONE 4 ZONE 5 ZONE 4 & 5 : ERIOD ACCELERATION (Ss)	-82.6 PSF -96.7 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.764
. S. A. E.	D. SEISM	- WALLS (1	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 10 SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1)	-82.6 PSF -96.7 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF
. S . A E	D. SEISM A. B.	- HIC LOADS SHORT P LONG PE SITE CLA	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 10 SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1)	-82.6 PSF -96.7 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.764 0.268
E C C	D. SEISM A. B. C.	- HIC LOADS SHORT P LONG PE SITE CLA	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 0 SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) ERIOD ACCELERATION (S1) SS	-82.6 PSF -96.7 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.764 0.266 D (DEFAULT
7. S A E C C	D. SEISM A. B. C. D.	- HIC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 10 SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1) SS ERIOD RESPONSE (Sds)	-82.6 PSF -96.7 PSF -110.9 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.764 0.268 D (DEFAULT 0.611
. S A E C C E	D. SEISM A. B. C. D. E. F.	- WALLS (1 - + IC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE SEISMIC IMPORTA	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 0 SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1) SS ERIOD RESPONSE (Sds) RIOD RESPONSE (Sd1) DESIGN CATEGORY INCE FACTOR (I)	-82.6 PSF -96.7 PSF -110.9 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.764 0.268 D (DEFAULT 0.611
. S A E C C E	D. SEISM A. B. C. D. E. F.	- WALLS (1 - + IC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE SEISMIC IMPORTA	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 10 SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1) SS ERIOD RESPONSE (Sds) RIOD RESPONSE (Sd1) DESIGN CATEGORY	-82.6 PSF -96.7 PSF -110.9 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.764 0.268 D (DEFAULT 0.611 0.369
. S G G G G G G G G G G G G G G G G G G	D. SEISM A. B. C. D. E. F.	- WALLS (1 - + IC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE SEISMIC IMPORTA ANALYSIS	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 0 SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1) SS ERIOD RESPONSE (Sds) RIOD RESPONSE (Sd1) DESIGN CATEGORY INCE FACTOR (I)	-82.6 PSF -96.7 PSF -110.9 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-10 0.76- 0.266 D (DEFAULT 0.61: 0.366 1.29 ELF LIGHT FRAME WOOD WALLS WITH
. S	D. SEISM A. B. C. D. E. F. G.	- WALLS (1 - + IC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE SEISMIC IMPORTA ANALYSIS SEISMIC	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 0 SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1) SS ERIOD RESPONSE (Sds) RIOD RESPONSE (Sd1) DESIGN CATEGORY NCE FACTOR (I) S PROCEDURE FORCE RESISTING SYSTEM	-82.6 PSF -96.7 PSF -110.9 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.764 0.268 D (DEFAULT 0.61* 0.369 LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS
E E F C L L L L L L L L L L L L L L L L L L	D. SEISM A. B. C. D. E. F. G.	- WALLS (1 - + IC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE SEISMIC IMPORTA ANALYSIS SEISMIC RESPONS	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 0 SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1) SS ERIOD RESPONSE (Sds) RIOD RESPONSE (Sd1) DESIGN CATEGORY NCE FACTOR (I) S PROCEDURE	-82.6 PSF -96.7 PSF -110.9 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.764 0.268 D (DEFAULT 0.611 0.369 LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS 6.8
. S A E C C I I	D. SEISM A. B. C. D. E. F. G. H.	- WALLS (1 - + IC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE SEISMIC IMPORTA ANALYSIS SEISMIC RESPONS SYSTEM	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 10 SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) ERIOD ACCELERATION (S1) SS ERIOD RESPONSE (Sds) ERIOD RESPONSE (Sd1) DESIGN CATEGORY INCE FACTOR (I) S PROCEDURE FORCE RESISTING SYSTEM SE MODIFICATION FACTOR (R)	-82.6 PSF -96.7 PSF -110.9 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.764 0.268 D (DEFAULT 0.61* 0.369 LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS 6.9
. S	D. SEISM A. B. C. D. E. F. G. H. I.	WALLS (1 - H IC LOADS SHORT P LONG PE SHORT P LONG PE SEISMIC IMPORTA ANALYSIS SEISMIC RESPONS SYSTEM DEFLECT	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r 0 SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1) SS ERIOD RESPONSE (Sds) RIOD RESPONSE (Sd1) DESIGN CATEGORY NCE FACTOR (I) S PROCEDURE FORCE RESISTING SYSTEM SE MODIFICATION FACTOR (R) OVERSTRENGTH FACTOR (Ω)	-82.6 PSF -96.7 PSF -110.9 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.764 0.266 D (DEFAULT 0.61: 0.366 LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS 6.9
E C C F C C F L L L L L L L L L L L L L L	D. SEISM A. B. C. D. E. H. I. J. K.	- WALLS (1 - + IC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE SEISMIC IMPORTA ANALYSIS SEISMIC RESPONS SYSTEM DEFLECT REDUNDA	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r IO SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) FRIOD RESPONSE (Sds) FRIOD RESPONSE (Sd1) DESIGN CATEGORY INCE FACTOR (I) S PROCEDURE FORCE RESISTING SYSTEM SE MODIFICATION FACTOR (R) OVERSTRENGTH FACTOR (Cd)	-82.6 PSF -96.7 PSF -96.7 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.76 0.266 D (DEFAULT 0.61 0.366 LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS 6.8
. S A A E C C C C C C C C C C C C C C C C C	D. SEISM A. B. C. D. E. F. G. H. I. J. K. L. N.	- WALLS (1 - + IC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE SEISMIC IMPORTA ANALYSIS SEISMIC RESPONS SYSTEM DEFLECT REDUND SEISMIC	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r IO SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1) SS ERIOD RESPONSE (Sds) RIOD RESPONSE (Sd1) DESIGN CATEGORY NCE FACTOR (I) S PROCEDURE FORCE RESISTING SYSTEM SE MODIFICATION FACTOR (R) OVERSTRENGTH FACTOR (Ω) TION AMPLIFICATION FACTOR (Cd) ANCY COEFFICIENT (ρ) RESPONSE COEFFICIENT (CS)	-82.6 PSF -96.7 PSF -96.7 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.762 0.266 D (DEFAULT 0.611 0.366 E 1.26 ELF LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS 6.8
7. S F C C F C C F C C F C C C F C C C C C	D. SEISM A. B. C. D. E. F. G. H. I. J. K. L. N. O.	WALLS (1 - H IC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE SEISMIC IMPORTA ANALYSIS SEISMIC RESPONS SYSTEM DEFLECT REDUNDA SEISMIC	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r ZONE 3r ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1) SS PERIOD RESPONSE (Sds) RIOD RESPONSE (Sd1) DESIGN CATEGORY NINCE FACTOR (I) S PROCEDURE FORCE RESISTING SYSTEM SE MODIFICATION FACTOR (R) OVERSTRENGTH FACTOR (Ω) TION AMPLIFICATION FACTOR (Cd) ANCY COEFFICIENT (ρ) RESPONSE COEFFICIENT (CS)	-82.6 PSF -96.7 PSF -96.7 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-10 0.764 0.268 D (DEFAULT 0.61* 0.369 LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS 6.9 2.9 4 0.118
7. S A E C C F I I I A A A A A A A A A A A A A A A A	D. SEISM A. B. C. D. E. F. G. H. I. J. K. L. N. O.	WALLS (1 - IC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE SEISMIC IMPORTA ANALYSIS SEISMIC RESPONS SYSTEM DEFLECT REDUND SEISMIC ECHNICAL GEOTECI	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r IO SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1) SS ERIOD RESPONSE (Sds) RIOD RESPONSE (Sd1) DESIGN CATEGORY NCE FACTOR (I) S PROCEDURE FORCE RESISTING SYSTEM SE MODIFICATION FACTOR (R) OVERSTRENGTH FACTOR (Ω) TION AMPLIFICATION FACTOR (Cd) ANCY COEFFICIENT (ρ) RESPONSE COEFFICIENT (Cs) .: HNICAL ENGINEER	-82.6 PSF -96.7 PSF -110.9 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.764 0.268 D (DEFAULT 0.611 0.369 LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS 6.8 2.8 4 7 0.118
7. S A A E C A A E E	D. SEISM A. B. C. D. E. F. G. H. I. J. K. L. N. O. GEOTE A. B.	- WALLS (1 - + IC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE SEISMIC IMPORTA ANALYSIS SEISMIC RESPONS SYSTEM DEFLECT REDUND SEISMIC ECHNICAL GEOTECI REPORT	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r IO SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1) SS ERIOD RESPONSE (Sds) RIOD RESPONSE (Sd1) DESIGN CATEGORY INCE FACTOR (I) S PROCEDURE FORCE RESISTING SYSTEM SE MODIFICATION FACTOR (R) OVERSTRENGTH FACTOR (Ω) TION AMPLIFICATION FACTOR (Cd) ANCY COEFFICIENT (ρ) RESPONSE COEFFICIENT (Cs) EHNICAL ENGINEER DATE	-82.6 PSF -96.7 PSF -96.7 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.762 0.268 D (DEFAULT 0.611 0.368 E 1.28 ELF LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS 6.8 2.8 4 0.118 TERRACON OCTOBER 21, 2014
7. S A E C C H I I I I I I C C C C C C C C C C C	D. SEISM A. B. C. D. E. F. G. H. I. J. K. L. N. O.	WALLS (1 - IC LOADS SHORT P LONG PE SITE CLA SHORT P LONG PE SEISMIC IMPORTA ANALYSIS SEISMIC RESPONS SYSTEM DEFLECT REDUND SEISMIC ECHNICAL GEOTECI REPORT	ZONE 1 & 2e ZONE 2n & 2r ZONE 3e ZONE 3r IO SF) ZONE 4 ZONE 5 ZONE 4 & 5 ERIOD ACCELERATION (Ss) RIOD ACCELERATION (S1) SS PERIOD RESPONSE (Sds) RIOD RESPONSE (Sd1) DESIGN CATEGORY INCE FACTOR (I) S PROCEDURE FORCE RESISTING SYSTEM SE MODIFICATION FACTOR (R) OVERSTRENGTH FACTOR (Ω) TION AMPLIFICATION FACTOR (Cd) ANCY COEFFICIENT (ρ) RESPONSE COEFFICIENT (Cs) EHNICAL ENGINEER DATE BLE SOIL BEARING PRESSURE	-82.6 PSF -96.7 PSF -110.9 PSF -110.9 PSF -27.6 PSF -34.0 PSF -25.5 PSF PER ASCE 7-16 0.764 0.268 D (DEFAULT 0.611 0.369 LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS 6.8 2.8 4 7 0.118

		EMBEDMENT			EXTENSION	
BAR SIZE	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	90° HOOK	180° HOOK	MIN DIA OF BEND "D" (IN
#3	6	6	6	4.5	2.5	2.25
#4	8	7	7	6.0	2.5	3.00
#5	10	8	8	7.5	2.5	3.75
#6	12	10	10	9.0	3.0	4.50
#7	13	12	10	10.5	3.5	5.25
#8	15	13	12	12.0	4.0	6.00
#9	17	15	13	13.5	4.5	9.02
#10	19	17	15	15.2	5.1	10.16
#11	22	19	16	16.9	5.6	11.28

* AREA REDUCTION NOT ALLOWED

EMBEDMENT **EMBEDMENT** : -/ ~ / EXTENSION / 180° HOOK 90° HOOK

MAYNARD ELEMENTARY CLASSROOM



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> 01.25.2024 **GENERAL NOTES**

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REQUIRED SPECIAL INSPECTION AND TESTS OF WOOD CONSTRUCTION PERIODIC VERIFY WOOD PANEL STRUCTURAL SHEATHING GRADE AND THICKNESS. VERIFY WOOD FRAMING GRADE, SPACING AND NOMINAL SIZE VERIFY PANEL FASTENING INTO SUPPORTS FOR FASTENER DIAMETER, LENGTH, QUANTITY, SPACING AT EDGES, BOUNDARIES AND INTERIOR (FIELD) FASTENING VERIFY PREFABRICATED WOOD TRUSSES PER FABRICATED ITEMS.

REQUIRED SPECIAL INSPECTION AND TESTS OF SOILS					
	ТҮРЕ	CONTINUOUS	PERIODIC		
	VERIFY MATERIALS BELOW SHALLOWS FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	_	Х		
	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	_	Х		
	PERFORM CLASSIFICATION AND TESTING FOR COMPACTED FILL MATERIALS.	_	Х		
	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	х	_		
	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	Х		

	ТҮРЕ	CONTINUOUS	PERIODIC	REFERENCED STANDARD (a)	IBC REFERENCE
1.	INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	_	Х	ACI 318: CH. 20, 25.2,25.3, 26.6-26.6.3	1908.4
2.	INSPECT ANCHORS CAST IN CONCRETE.	_	Χ	ACI 318: 17.8.2	_
3.	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. (b) a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X		ACI 318: 17.8.2.4	_
	b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.		X	ACI 318: 17.8.2	
4.	VERIFY USE OF REQUIRED DESIGN MIX.	_	Х	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1,1904.2, 1908.2, 1908.3
5.	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	х	_	ASTM C 172 ASTM C 31 ACI 318: 26.5, 26.12	1908.1
6.	INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	х	_	ACI 318:26.5	1908.6, 1908.7, 1908.8
7.	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	_	Х	ACI 318: 26.5.3 - 26.5.5	1908.9
3.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	_	Х	ACI 318: 26.11.1.2(b)	_

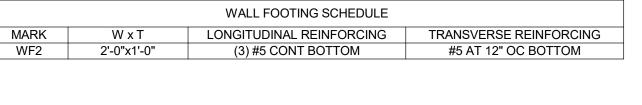
AND TECHNIQUES.		^	ACI 318. 20.3.3 - 20.3.3	1908.9	
8. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	_	Х	ACI 318: 26.11.1.2(b)	_	
OR SI: 1 INCH = 25.4 MM.					
a.) WHERE APPLICABLE, SEE SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.					
b.) SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN					
ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION					
REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL A	ND SHALL BE APPRO	OVED BY THE BI	JILDING OFFICIAL PRIOR TO T	HE	
COMMENCEMENT OF THE WORK.					

CONCRETE STRAIGHT BAR SPLICE AND DEVELOPMENT COMPRESSION TENSION (CLASS B SPLICE) 4000, 4500 & 5000 psi 4000 psi 4500 psi 5000 psi SIZE TOP OTHER TOP OTHER TOP OTHER 41 31 38 30 36 6 49 37 46 35 44 7 71 54 67 51 63 8 81 62 76 59 72 56 **DEVELOPMENT LENGTHS (INCHES)** 4000 psi 4500 psi 5000 psi 4000, 4500 & 5000 psi SIZE TOP OTHER TOP OTHER TOP OTHER 18 23 31 24 30 23 28 37 29 35 27 34

ENGINEER IF CLEAR COVER IS LESS.

/	54	42	51	40	49	38	17
8	62	48	59	45	56	43	19
NOTES:							
1.	TOP BARS	ARE HORIZ	ONTAL REI	NFORCEMI	ENT PLACEI	D SO THAT	MORE THAN 12" OF
	FRESH CONCRETE IS CAST BELOW THE REINFORCEMENT.						
2.	LENGTHS ARE BASED ON BARS SPACED AT 4 BAR DIAMETERS OR MORE ON CENTER.						
	NOTIFY EN	NGINEER IF	SPACING IS	S LESS.			
3.	LENGTHS A	ARE BASED	ON A MIN	IMUM CLEA	AR COVER (OF 2 BAR D	IAMETERS. NOTIFY

					MARK W x
1	■ SLOPE	B 70'-0" 8'-8" 06.200	30' - 8"	D	1 1
A		B C		D	
3 ROOF FRAMING PLAN Scale: 1/8" = 1'-0"					
A	30' - 8"	B 70' - 0" C	30' - 8"	D	



1 FOUNDATION PLAN
Scale: 1/8" = 1'-0"

NSVERSE REINFORCING		FOUNDATION AND FRAMING KEYNOTES
5 AT 12" OC BOTTOM	KEYNOTE	DESCRIPTION
	03.100	DARK LINE INDICATES SLAB EDGE. COORDINATE ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
	03.101	LINE INDICATES SLAB CONTRACTION JOINTS. REFER TO CONCRETE SLAB JOINTS DETAIL AND GENERAL NOTES FOR REQUIREMENTS. NOT SHOWN ACROSS ENTIRE SLAB FOR CLARITY.
	03.102	DASHED LINE INDICATES FOUNDATION BELOW.
	06.105	PROVIDE SIMPSON SDPW14312 AT 24" OC FOR ALL NON-STRUCTURAL WALLS. WALLS SHALL HAVE A SINGLE 2x TOP PLATE AND 3/4" GAP BELOW TRUSSES TO ALLOW FOR DEFLECTION. INSTALL PER MANUFACTURER INSTRUCTIONS.
	06.106	WOOD BLOCKING AT END WALL PER FRAMING DETAIL.
	06.200	ROOF SHEATHING OVER PRE-ENGINEERED WOOD TRUSSES @ 2' OC MAX. SEE WOOD FRAMING SCHEDULE FOR ROOF SHEATHING.
	06.208	PRE-ENGINEERED WOOD TRUSSES AT 2' OC MAX. TRUSSSES SHALL BE DESIGNED PER LOADS LISTED IN THE CODE STUDY. REFER TO

ARCHITECTURAL PLANS FOR TRUSS PROFILE REQUIREMENTS INCLUDING HEEL

HEIGHT, TRUSS HEIGHT, TOP CHORD SLOPE AND ADDITIONAL LOADING FROM

EQUIPMENT AND/OR FINISHES NOT SHOWN ON THE STRUCTURAL PLANS.

FOUNDATION PLAN NOTES

- 1. REFERENCED BENCHMARK TOP OF SLAB ELEVATION = 100'-0". REFER TO CIVIL DRAWINGS FOR ACTUAL CIVIL ELEVATION.
- 2. PERIMETER INSULATION AND WATERPROOFING SHALL BE AS REQUIRED BY LOCAL CODE AND ARCHITECTURAL REQUIREMENT.
- 3. NOT ALL PENETRATIONS ARE SHOWN ON STRUCTURAL DRAWINGS. CONTRACTOR SHALL COORDINATE ADDITIONAL SLAB AND FOUNDATION OPENINGS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL REQUIREMENTS. COORDINATE NEW AND EXISTING UTILITIES SUCH THAT THEY PASS ABOVE OR BELOW BUILDING
- FOOTINGS WITH A MINIMUM OF 4 INCHES OF CLEARANCE. 4. SLAB FINISH REQUIREMENTS SHALL BE COORDINATED WITH OWNER'S REQUIREMENTS.
- 5. COORDINATE ALL ELEVATIONS WITH CIVIL AND ARCH DRAWINGS. REPORT ALL DISCREPANCIES.
- 6. REMOVE AND REPLACE EXPANSIVE AND/OR COMPRESSIBLE SOILS WITH CONTROLLED STRUCTURAL FILL WITHIN 1'-0" OF BOTTOM OF FOOTINGS AND
- SLABS. REFERENCE GEOTECHNICAL REPORT FOR REQUIREMENTS. PROVIDE 2'-0" LOW VOLUME CHANGE LAYER UNDER ALL SLABS ON GRADE, REFERENCE GENERAL NOTES AND GEOTECHNICAL ENGINEERING REPORT FOR REQUIREMENTS. CONTRACTOR TO PROVIDE UNIT COST IN BID FOR ADDITIONAL LVC LAYER THICKNESS.
- 8. REFERENCE TYPICAL SLAB REINFORCING DETAIL FOR SUPPLEMENTAL REINFORCING AT RE-ENTRANT CORNERS, SLAB OPENINGS, AND DOOR OPENINGS. 9. REINFORCING SHALL BE CONTINUOUS IN ALL CONCRETE CONSTRUCTION.
- REFERENCE CORNER BAR REINFORCING DETAIL.

WOOD FRAMING PLAN NOTES

- ALL ELEVATIONS, DOOR LOCATIONS, OPENING WIDTHS, HEAD AND SILL HEIGHTS SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
 IF MECHANICAL EQUIPMENT IS AND LOCATION OF THE PROPERTY OF TH COORDINATE EXACT WEIGHT AND LOCATIONS WITH EQUIPMENT PROVIDER.
- TO MECHANICAL EQUIPMENT. 3. PROVIDE 2x BLOCKING FRAMED OPENING FOR ALL DECK OPENINGS GREATER

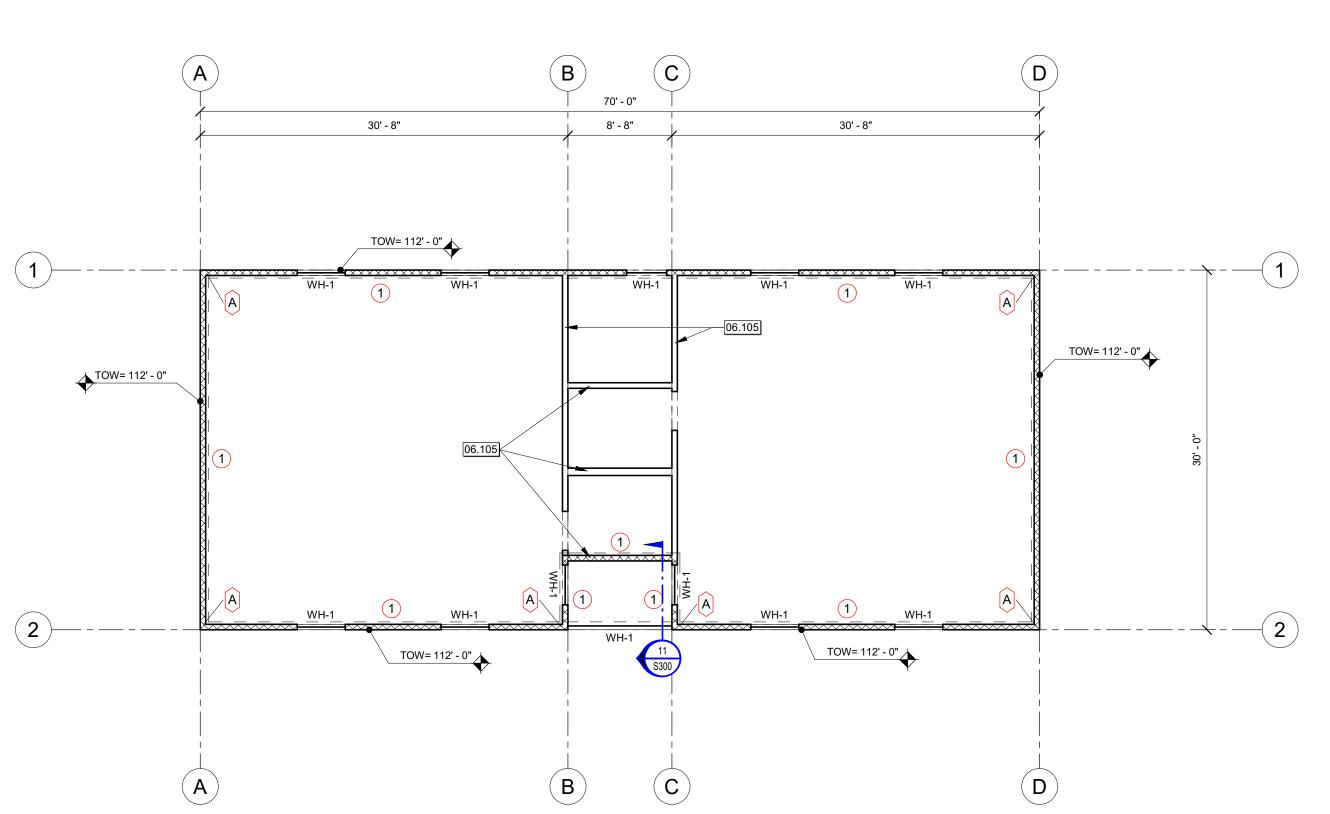
TRUSS PROVIDER TO DESIGN ASSOCIATED TRUSSES FOR ADDITIONAL LOADS DUE

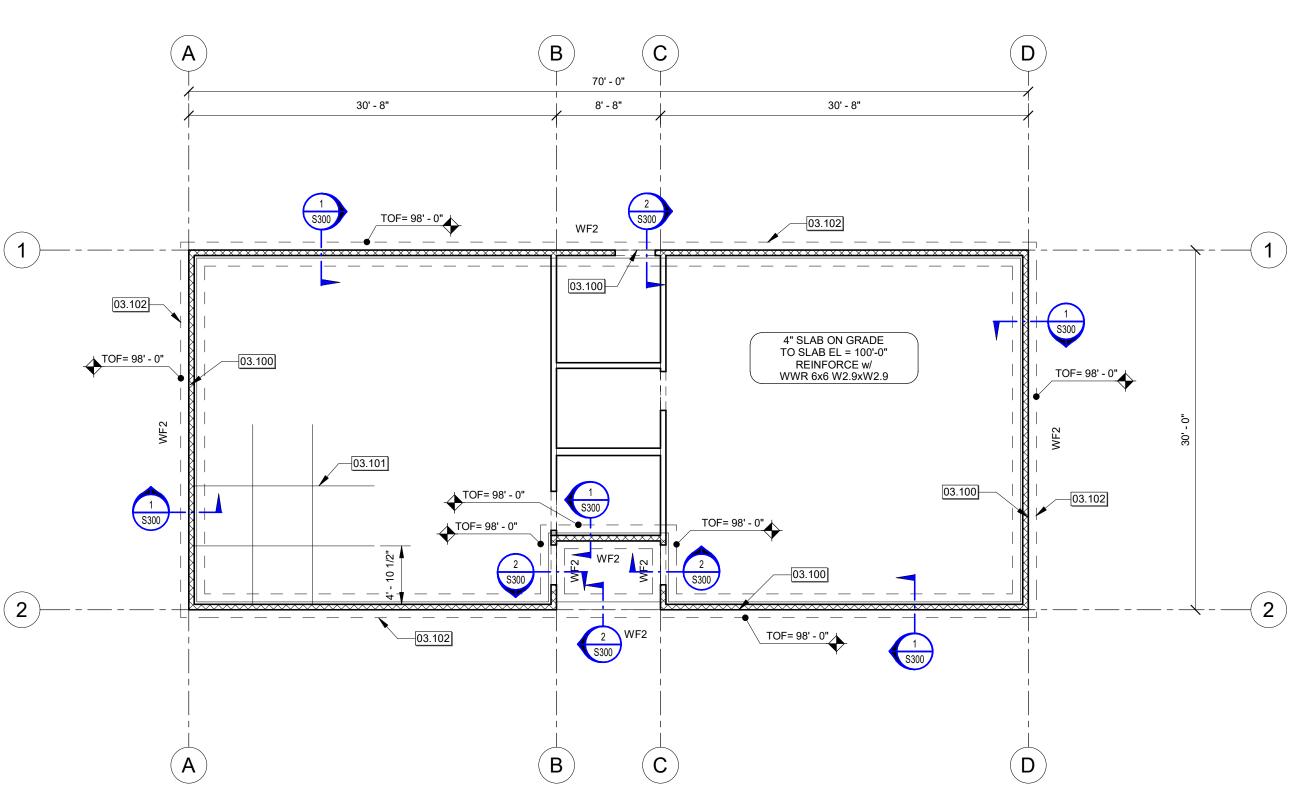
- THAN 10 INCHES SQUARE. 4. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF PARTITION WALL ELEVATIONS.
- 5. COORDINATE FIREPROOFING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. 6. TRUSS SUPPLIER SHALL PROVIDE 2x BOTTOM CHORD BRACING FULL WIDTH OF
- BUILDING AT MAXIMUM 8'-0" ON CENTER. GC TO COORDINATE BRACING LOCATIONS WITH OTHER TRADES.
- 7. TRUSS FRAMING AND FASCIA DIMENSIONS TO BE COORDINATED W/ ARCHITECTURAL DRAWINGS AND DETAILS.
- 8. ALL TOP PLATES SHALL BE CONTINUOUS OVER ALL WALLS AND BEAMS AND SHALL BE SPLICED PER TYPICAL TOP PLATE SPLICE DETAIL.

WALL LEGEND

- REPRESENTS NON-STRUCTURAL WOOD WALL
- REPRESENTS STRUCTURAL 2X6 WOOD WALL

	TAG LEGEND
TAG	DESCRIPTION
9"	REINFORCING BAR
1	REVISION TAG
Ę.	CENTER LINE
?	KEYNOTE TAG
?	WOOD WALL TAG
?	HOLD-DOWN TAG
WF-#	CONTINUOUS WALL FOOTING TAG









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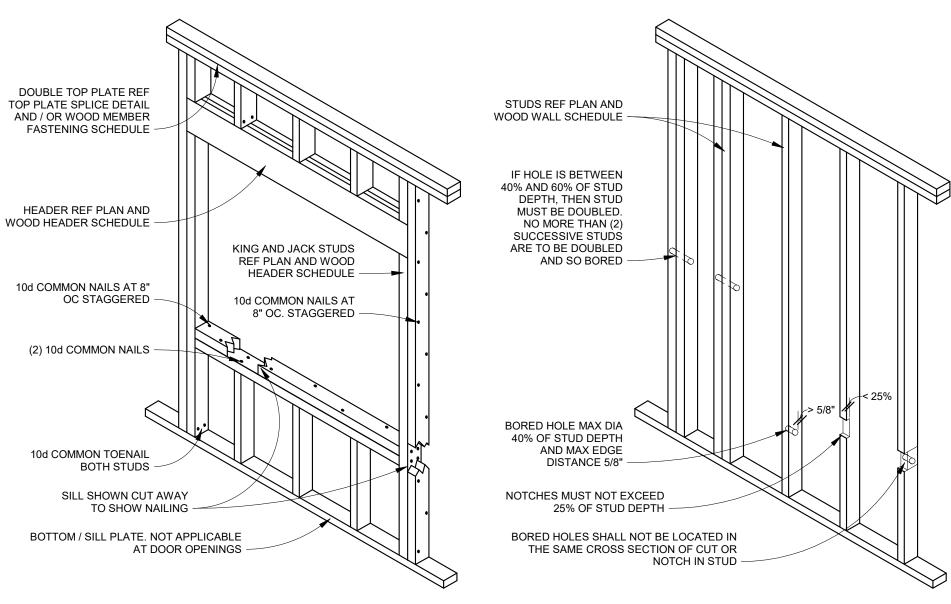
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2 WALL PLAN



TYPICAL WALL OPENINGS, NOTCHINGS, AND BORINGS Scale: 3/4" = 1'-0"

	WC	_	STENING SCHEDUL QUIREMENTS)	.E	
CONNECTION	FASTENING	LOCATION	CONNECTION	FASTENING	LOCATION
1. Joist to sill or girder	3 - 8d common 3 - 3" × 0.131" nails 3 - 3" 14 gauge staples	toenail	20. 1" diagonal brace to each stud and plate	2 - 8d common 2 - 3" × 0.131" nails 2 - 3" 14 gauge staples	face nail
2. Bridging to joist	2 - 8d common 2 - 3" × 0.131" nails 2 - 3" 14 gauge staples	toenail each end	21. 1" × 8" sheathing to each bearing wall 22. Wider than 1"× 8"	2 - 8d common	face nail
3. 1" × 6" subfloor or less to each joist	2 - 8d common	face nail	sheathing to each bearing	3 - 8d common	face nail
4. Wider than 1" × 6" subfloor to each joist	3 - 8d common	face nail	23. Built-up corner studs	16d common 3" × 0.131" nails 3" 14 gauge staples	24" o.c. 16" o.c. 16" o.c.
5. 2" subfloor to joist or girder	2 - 16d common	blind and face nail	24. Built-up girder and beams	20d common 32" o.c. 3" × 0.131" nail at 24" o.c. 3" 14 gauge staple at 24" o.c.	face nail at top and bottom staggered on
6. Sole plate to joist or blocking 16d at 16" o.c.	3" × 0.131" nails at 8" o.c. 3" 14 gauge staples at 12" o.c.	typical face nail		2 - 20d common 3 - 3" × 0.131" nails	opposite sides face nail at ends and at each splice
Sole plate to joist or blocking at braced wall	3 - 16d at 16" 4 - 3" × 0.131" nails at 16"	braced wall panels		3 - 3" 14 gauge staples	at 54511 5p.1155
panel	4 - 3" 14 gauge staples per 16"		25. 2" planks	16d common	at each bearing
7. Top plate to stud	2 - 16d common 3 - 3" × 0.131" nails 3 - 3" 14 gauge staples	end nail	26. Collar tie to rafter	3 - 10d common 4 - 3" × 0.131" nails 4 - 3" 14 gauge staples	face nail
8. Stud to sole plate	4 - 8d common 4 - 3" × 0.131" nails 3 - 3" 14 gauge staples	toenail	27. Jack rafter to hip	3 - 10d common 4 - 3" × 0.131"nails 4 - 3" 14 gauge staples	toenail
	2 - 16d common end nail 3 - 3" × 0.131" nails 3 - 3" 14 gauge staples			2 - 16d common 3 - 3" × 0.131" nails 3 - 3" 14 gauge staples	face nail
9. Double studs 16d at 24" o.c.	3" × 0.131" nail at 8" o.c. 3" 14 gauge staple at 8" o.c.	face nail	28. Roof rafter to 2-by ridge beam	2 - 16d common 3 - 3" × 0.131" nails 3 - 3" 14 gauge staples	toenail
10. Double top plates	16d at 16" o.c. 3" × 0.131" nail at 12" o.c. 3" 14 gauge staple at 12" o.c.	typical face nail		2 - 16d common 3 - 3" × 0.131" nails	face nail
Double top plates 8-16d common	12 - 3" × 0.131" nails 12 - 3" 14 gauge staples	lap splice	29. Joist to band joist	3 - 3" 14 gauge staples	face nail
11. Blocking between joists or rafters to top plate	3 - 8d common 3 - 3" × 0.131" nails 3 - 3" 14 gauge staples	toenail	,	5 - 3" × 0.131" nails 5 - 3" 14 gauge staples	lace nail
12. Rim joist to top plate	8d at 6" o.c. 3" × 0.131" nail at 6" o.c. 3" 14 gauge staple at 6" o.c.	toenail	30. Ledger strip	3 - 16d common 4 - 3" × 0.131" nails 4 - 3" 14 gauge staples	face nail
13. Top plates, laps and intersections	2 - 16d common 3 - 3" × 0.131" nails 3 - 3" 14 gauge staples	face nail	 31. Wood structural panels and particleboard: Subfloor, roof and wall sheathing (to framing): 	1/2" and less 6d(c) 2 3/8" × 0.113" nail(n) 1 3/4" 16 gauge(o) 19/32" to 3/4" 8d(d) or 6d(e)	
14. Continuous header, two pieces	16d common	16" o.c. along edge	1	2 3/8" × 0.113" nail(p) 2" 16 gauge(p) 7/8" to 1" 8d(c)	
15. Ceiling joists to plate	3 - 8d common 5 - 3" × 0.131" nails 5 - 3" 14 gauge staples	toenail	Single Floor (combination subfloor-underlayment	1 1/8" to 1 1/4" 10d(d) or 8d(e) 3/4" and less 6d(e)	
16. Continuous header to stud	4 - 8d common	toenail	to framing):	7/8" to 1" 8d(e) 1 1/8" to 1 1/4" 10d(d) or 8d(e)	
17. Ceiling joists, laps over partitions	3 - 16d common minimum 4 - 3" × 0.131" nails 4 - 3" 14 gauge staples	face nail	32. Panel siding (to framing) 1/2" or less	1/2" or less 6d(f) 5/8" 8d(f)	
18. Ceiling joists to parallel rafters	3 - 16d common minimum 4 - 3" × 0.131" nails 4 - 3" 14 gauge staples	face nail	33. Fiberboard sheathing:	1/2" No. 11 gauge roofing nail(h) 6d common nail No. 16 gauge staple(i) 25/32" No. 11 gauge roofing nail(h) 8d common nail	
19. Rafter to plate	3 - 8d common 3 - 3" × 0.131" nails 3 - 3" 14 gauge staples	toenail]	No. 16 gauge staple(i)	
	- United States		34. Interior paneling	1/4" 4d(j) 3/8" 6d(k)	

- a. COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED. b. NAILS SPACED AT 6" ON CENTER AT EDGES, 12" AT INTERMEDIATE SUPPORTS EXCEPT 6" AT SUPPORTS WHERE SPANS ARE 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLE BOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO INTERNATIONAL BUILDING CODE SECTION 2305. NAILS FOR WALL SHEATHING
- ARE PERMITTED TO BE COMMON, BOX OR CASING. c. COMMON OR DEFORMED SHANK.
- d. COMMON. e. DEFORMED SHANK.
- CORROSION-RESISTANT SIDING OR CASING NAIL. FASTENERS SPACED 3" ON CENTER AT EXTERIOR EDGES AND 6" ON CENTER AT INTERMEDIATE SUPPORTS.
- CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIAMETER HEAD AND 1 1/2" LENGTH FOR 1/2" SHEATHING AND 1 3/4" LENGTH FOR 25/32" SHEATHING.

 CORROSION-RESISTANT ROOFING STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH TO FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32-INCH SHEATHING.
- PANEL SUPPORTS AT 16" (20" IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED).

 CASING OR FINISH NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.

 PANEL SUPPORTS AT 24". CASING OR FINISH NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.
- FOR ROOF SHEATHING APPLICATIONS, 8D NAILS ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.
- m. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16". n. FOR ROOF SHEATHING APPLICATION, FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS. o. FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3" ON CENTER AT EDGES, 6" AT
- INTERMEDIATE SUPPORTS FOR ROOF SHEATHING. p. FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS
- WOOD MEMBER FASTENING SCHEDULE

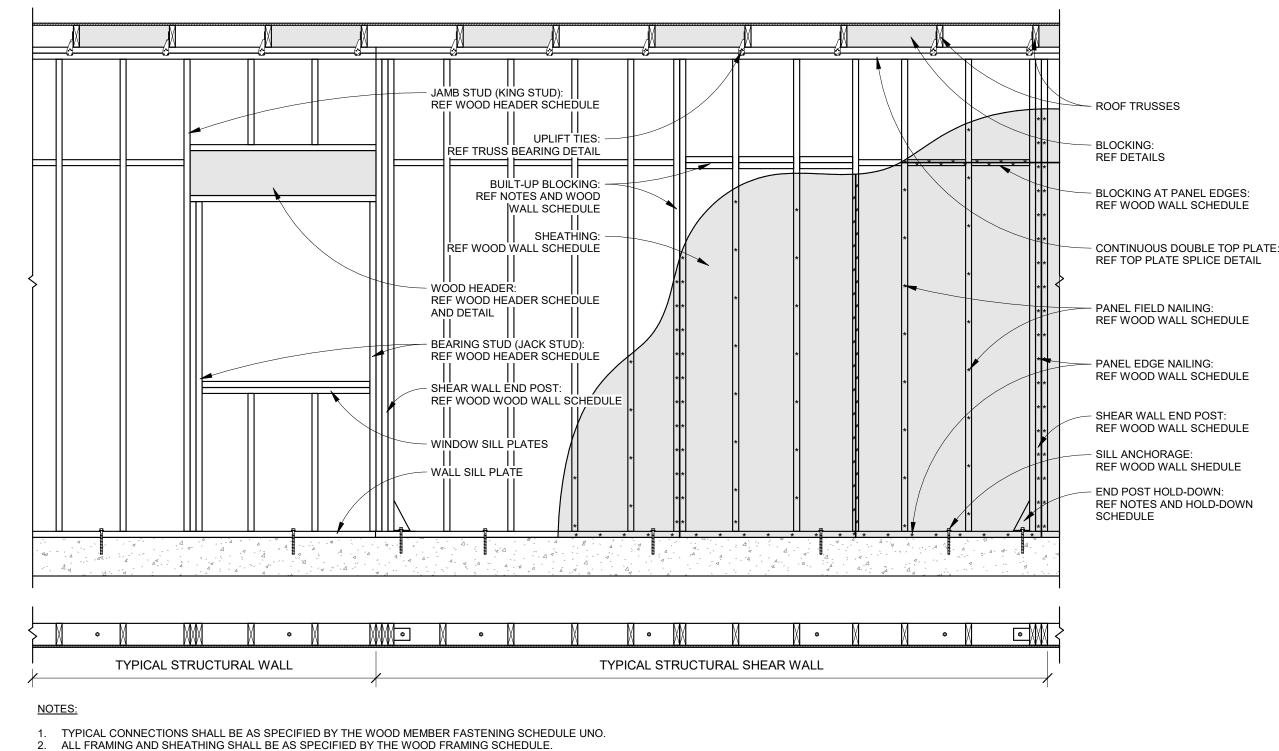
	WOOD HEADER SCHEDULE							
MARK	MAX CLEAR OPENING	BEAM (PLIES) / SIZE	JACK STUD(S)	KING STUD(S)				
WH-1	4'-00	(3) 2x8 SYP #2	(1) 2x6	(2) 2x6				

	HOLD-DOWN SCHEDULE										
MARK	SIMPSON MODEL NO.	FASTENERS	MINIMUM NUMBER OF 2x END STUDS	POST-INSTALLED SIMPSON TITEN HD SCREW ANCHOR	NOTES						
А	DTT2Z-SDS2.5	(8) SDS 1/4" X 2 1/2"	2 (3" TOTAL)	3/8" X 6" GALVANIZED (THD37600HMG)	INSTALL HOLD-DOWNS FLUSH WITH INSIDE FACE OF EXTERIOR WALLS						

	WOOD WALL SCHEDULE											
WALL TAG	DESCRIPTION	SIZE / SPACING	TOP PLATE	SILL PLATE	STRUCTURAL PANELS	NAIL SIZE / SPACING AT PANEL EDGES / FIELD	BLOCKING	SILL PLATE ANCHORAGE	PLATE WASHER	END POST	END POST HOLD DOWN	
1	STRUCTURAL SHEAR WALL	2x6 @ 16" OC	1(2) 2x6	TREATED 2x6	19/32" OSB (EXTERIOR)	10d / 6" OC / 12" OC	2x AT ALL PANEL EDGES, MATCH STUD	SIMPSON GALVANIZED 1/2" X 6" TITEN HD SCREW ANCHOR (TH75500HMG) @ 48" OC	2 0.299" x 4.5" x 4.5"	(2) STUDS MIN	REF WALL PLAN AND HOLD-DOWN SCHEDULE	

NOTE... 1 DOUBLE TOP PLATE MUST BE MADE CONTINUOUS USING THE TOP PLATE SPLICE DETAIL

			WOOD FRAMING SCHEDULE
FRAMING LOCATION	TYPE	GRADE/SPAN RATING UNO	NOTES
WALL STUD	DIMENSIONAL	SPF #2 OR BETTER	
TOP PLATE	DIMENSIONAL	SPF #2 OR BETTER	MAKE DOUBLE TOP PLATES CONTINUOUS USING THE TYPICAL TOP PLATE SPLICE DETAIL. WHERE HEADERS, BEAMS, OR OTHER MEMBERS SPLIT TOP PLATES, PROVIDE STRAPPING FROM TYPICAL TOP PLATE SPLICE DETAIL
SILL PLATE	DIMENSIONAL	SYP #2 OR BETTER	ALL LUMBER IN CONTACT WITH CONCRETE SHALL BE TREATED AND SHALL COMPLY WITH APPLICABLE REQUIREMNENTS OF AWPA LP-2 STANDARDS C2 AND C9
HEADER	DIMENSIONAL	SYP #2 OR BETTER	PLYWOOD / OSB MAY BE USED TO WIDEN MEMBER WIDTH
BEAM	ENGINEERED / DIMENSIONAL	SYP #2 OR BETTER	PLYWOOD / OSB MAY BE USED TO WIDEN MEMBER WIDTH
MISCELLANEOUS LIGHT FRAMING	DIMENSIONAL	SPF #2 OR BETTER	APPLIES TO LIGHT FRAMING SUCH AS BLOCKING AND ROOF FRAMING NOT OTHERWISE SPECIFIED. MATCH WALL BLOCKING W/STUD SIZE
WALL SHEATHING	19/32" MIN OSB OR PLYWOOD	APA RATED SHEATHING: 40/20, EXPOSURE 1	REF WOOD WALL SCHEDULE AND TYPICAL WALL FRAMING ELEVATION
ROOF SHEATHING	19/32" MIN OSB OR PLYWOOD	APA RATED SHEATHING: 40/20, EXPOSURE 1	NAIL SHEATHING TO ROOF FRAMING W/ 10d COMMON NAILS AT 6" OC EDGE OF PANELS, 12" OC FIELD OF PANELS, AND 4" OC FOF 48" AT BUILDING CORNERS. INSTALL SHEATHING WITH CONTINUOUS PANEL JOINTS PERPENDICULAR TO FRAMING



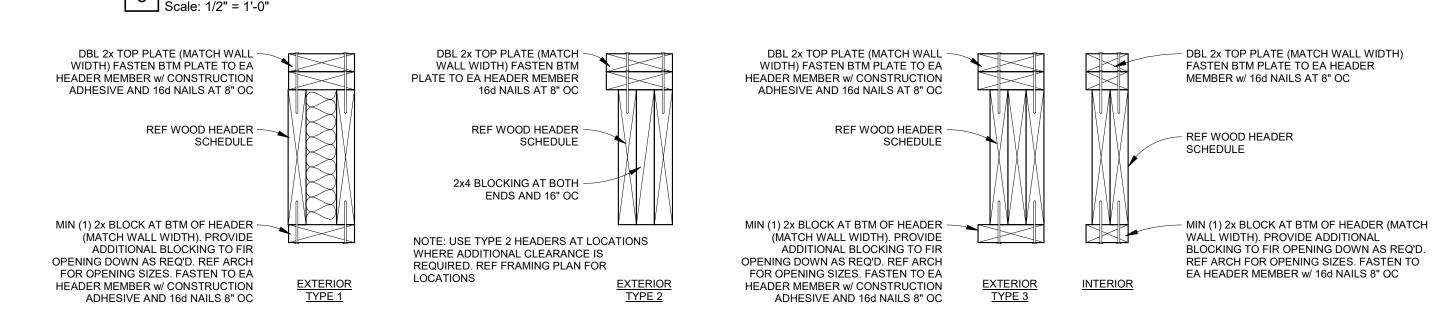
B. WALL FRAMING, WALL HARDWARE, SILL ANCHORAGE, AND PANEL NAILING SHALL BE AS SPECIFIED BY THE WOOD WALL SCHEDULE.

- WALL FRAINING, WALL FIARDWAKE, SILL AINCHORAGE, AND PANEL NAILING SHALL BE AS SPECIFIED BY THE WOOD WALL SCHEDULE.
 NOTCHES AND BORED HOLES IN STRUCTURAL FRAMING SHALL BE IN ACCORDANCE WITH TYPICAL NOTCHING DETAILS.
 HEADERS, JACK STUDS, AND KING STUDS SHALL BE AS SPECIFIED BY THE WOOD HEADER DETAIL AND WOOD HEADER SCHEDULE.
 PROVIDE A MIN OF (2) ANCHORS PER SILL PLATE. LOCATE (1) ANCHOR WITHIN 12" OF EACH END OF EACH SILL PLATE.
 INSTALL HOLD-DOWNS FLUSH WITH INSIDE FACE OF EXTERIOR WALLS. 8. APPLY ALL SHEATHING PANELS DIRECTLY TO FRAMING AND PROVIDE 1/8" GAP BETWEEN PANEL EDGES.
 9. INSTALL SHEATHING PANELS EITHER HORIZONTAL OR VERTICAL (VERTICAL ORIENTATION SHOWN IN ELEVATION).
- 11. IF STRUCTURAL SHEATHING ON BOTH SIDES OF WALL IS SPECIFIED, OFFSET PANEL JOINTS TO FALL ON DIFFERENT STUDS. 12. IF SHEATHING MUST BE TRIMMED, USE TRIMMED PANELS AWAY FROM SHEAR WALL ENDS AND USE FULL SHEATHING PANELS AT SHEAR WALL ENDS.

10. NAILS USED TO FASTEN PANELS SHALL HAVE THE FOLLOWING MINIMUM PENETRATION INTO THE FRAMING: 10d - 1 1/2", 8d - 1 3/8".

- 13. BLOCK ALL SHEATHING PANEL EDGES USING 2x MEMBERS MIN. BLOCKING MAY BE ORIENTED FLAT AGAINST SHEATHING.
- 14. INSTALL CONTINUOUS BLOCKING AT 8'-0" OC TO ALL STRUCTURAL WALLS AND SHEAR WALLS OVER 8 FT IN HEIGHT. 15. AT LOCATIONS REQUIRING BUILT-UP BLOCKING (DOUBLE 2x), CENTER BLOCKING AND STUDS ON PANEL JOINTS. IF SHEATHING IS SPECIFIED ON ONE SIDE ONLY AND 3x BLOCKING IS
- REQUIRED, 2x MEMBERS MAY BE ORIENTATED FLAT AGAINST SHEATHING. NOTE: BLOCKING SHOWN AS SINGLE AND DOUBLE FOR REFERENCE ONLY; PROVIDE AS SPECIFIED IN SCHEDULE.
- 16. REFERENCE GENERAL WOOD FRAMING NOTES FOR ADDITIONAL REQUIREMENTS.

TYPICAL WOOD WALL FRAMING



1 TYPICAL HEADER DETAILS
Scale: 1 1/2" = 1'-0"

& ASSOCIATES



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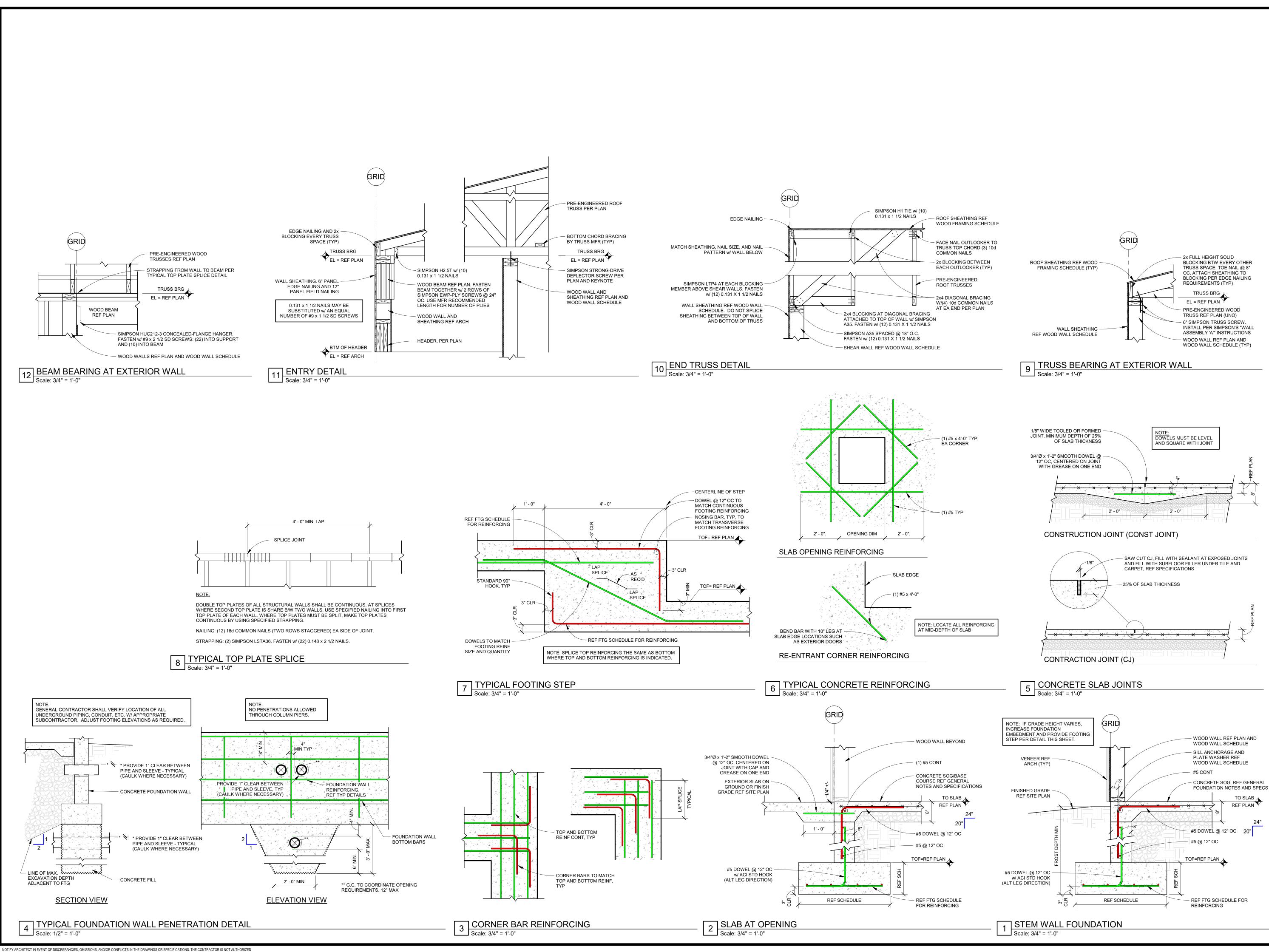
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01.25.2024 SCHEDULES/DETAILS

CONFIDENTIAL NATURE

SE 12 079



& ASSOCIATES 550 EAST REPUBLIC ROAD, SPRINGFIELD, M



John W. Kelly III, Engineer AR# PE-21871

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EXPRESSLY NOTIFIED OF

ONFIDENTIAL NATURE

FRAMING SE 12 079

			FUR	NACES							HE	HEAT PUMP				
TAG	SERVES	LENNOX MODEL	SUPPLY AIR	OUTSIDE AIR	ESP	ELECTRICAL	МСА	МОР	HEATING OUPUT	TAG	LENNOX MODEL	COOLING CAPACITY	ELECTRICAL	MCA	МОР	
F-1	CLASSROOM	CBA25UH-036	1325 CFM	445 CFM	.5"	230/1/60	5	15	34 MBH	C-1	ML17XP1-036-230	38 MBH	230/1/60	18	30	
F-2	CLASSROOM	CBA25UH-036	1325 CFM	445 CFM	.5"	230/1/60	5	15	34 MBH	C-2	ML17XP1-036-230	38 MBH	230/1/60	18	30	

1 ACCEPTABLE SUBSTITUTES AND FURTHER INFORMATION: SEE SECTION 235400

2 CONDENSERS SHALL BE SECURED TO PAD AND PLUMB AND LEVEL.

3 REFRIGERANT PIPE ROUTING SHALL BE UNOBTRUSIVE AND CONCEALED IN WALLS AND ABOVE CEILINGS EXCEPT IN EQUIPMENT ROOM

4 LINESET SHALL BE "LONG LINESET" TYPE, FULLY INSULATED (BOTH GAS AND LIQUID) PER SECTION 230700

5 CONDENSATE SHALL BE ROUTED TO NEAREST DRAIN AS UNOBTRUSIVELY AS POSSIBLE, AVOIDING SERVICE PANELS AND FILTER. 6 OUTSIDE AIR LOUVER SHALL INCLUDE 2-POSITION GASKETED DAMPER. TIE TO OCCUPANCY (MIN OPEN) AND CO2 SENSOR (FULL OPEN UNTIL CO2-STAT SATISFIED), WITH OA DUCTED

NOTES

EXTERIOR WALL LOUVERS

TYPE | DESIGN BASE | MODEL | SIZE | OA CFM MIN | OA CFM MAX

1 SEE SECTION 233000 FOR FURTHER INFORMATION AND ACCEPTABLE

3 LOUVERS SHALL HAVE ADJUSTABLE DRAINABLE BLADE DAMPERS

EXHAUST FANS

EF-1 RESTROOMS, AND GENERAL EXHAUST CFA-S90-CA 75 CFM CEILING 120/1/60 .038 HP

4 EXHAUST FANS SHALL BE TIED TO SWITCHED LIGHTING CIRCUIT TO ENSURE OPERATION WHEN SPACE IS

CAPTIVE AIRE AIR

201

700

24" x 24" 401

1604AD 24" x 18"

NAILOR

4 WEATHER HOOD.

OCCUPIED. COORDINATE WITH ELECTRICAL TRADE.

SUBSTITUTE MANUFACTURERS

1 ACCEPTABLE SUBSTITUTES AND FURTHER INFORMATION: SEE SECTION 233400

2 EXHAUST FAN SHALL BE DIRECT DRIVE, ELECTRICALLY COMMUTATED (ECM) MOTORS.

3 ALL EXHAUST FANS SHALL INCLUDE BACKDRAFT DAMPERS AND VIBRATION ISOLATORS.

2 LOUVERS SHALL BE ALUMINUM

TO MIXING BOX WITH RETURN AIR, PRIOR TO 4" FILTER BOX AT UNIT INLET

7 ALL REFRIGERANT PIPING (BOTH GAS AND LIQUID) SHALL BE WRAPPED IN 1/2" ARMAFLEX INSULATION AND JACKETED WHERE EXPOSED

8 HEATPUMP SHALL BE PROVIDED WITH LOW AMBIENT HEATING TO A TEMPERATURE OF -10 DEGREES F. COORDINATE FOR FIELD MODIFIED ACCESSORIES FOR LOW AMBIENT HEATING

	RETURN GRILLES									
TYPE	NAILOR MODEL	SIZE	CFM RANGE	REMARKS						
CEILING	4360AA	12"x12"	0 TO 100	SQUARE GRILLE, PLASTER OR GRID						
CEILING 4300A		24"x24"	100 TO 1000	CEILING PER LOCATION						
WALLOR		8"x6"	0 TO 200							
DUCT	7145H	12"x6"	200 TO 375	FLUSH MOUNT WHERE SHOWN						
MOUNT	/ 145H	12"x10"	375 TO 600	W/TRANSITION FITTING						
IVIOUNT		14"x14"	600 TO 1000							

1 ACCEPTABLE SUBSTITUTES AND FURTHER INFORMATION: SECTION 233700. 2 GRILLES SHALL BE ALUMINUM OR GALVANIZED STEEL PAINTED AFTER FABRICATION. COLOR SELECTED BY ARCHITECT, VISIBLE PORTIONS INSIDE PAINTED MATTE BLACK OR INSULATED WITH BLACK COATING.

3 WHERE MORE THAN ONE RETURN INLET IS SHOWN ON DRAWINGS, INCLUDE VOLUME CONTROL DAMPER IN BRANCH DUCT OR, WHERE NOT POSSIBLE (DIRECT DUCT-MOUNTED, NO ACCESS, ETC.) FACTORY MOUNTED BEHIND FACE WITH ACCESS FROM FRONT, FOR BALANCING 4 FRAME & OPTIONS SHALL MATCH SURFACE WHERE INSTALLED

	ELECTRIC COVE HEATER									
TAG	DESIGN BASE	MODEL NUMBER	HEATING WATTS	втин	LENGTH	FLA	ELECTRICAL			
CH-1	BERKO	RCC-6012C	600	2050	47"	5	120/1/60			
NOTES						•				

ACCEPTABLE SUBSTITUTES AND FURTHER REQUIREMENTS: SEE SECTION 238300

INSTALL UNIT AT 6" BELOW CEILING, CENTERED ON WALL WHERE SHOWN ON DRAWINGS

	LOUVERED PENTHOUSE									
	DESIGN BASE	MODEL NUMBER	MIN THROAT SIZE	CFM MIN @0.05" ESP						
	NAILOR	1600PHB	12"x12"	500						
S:										

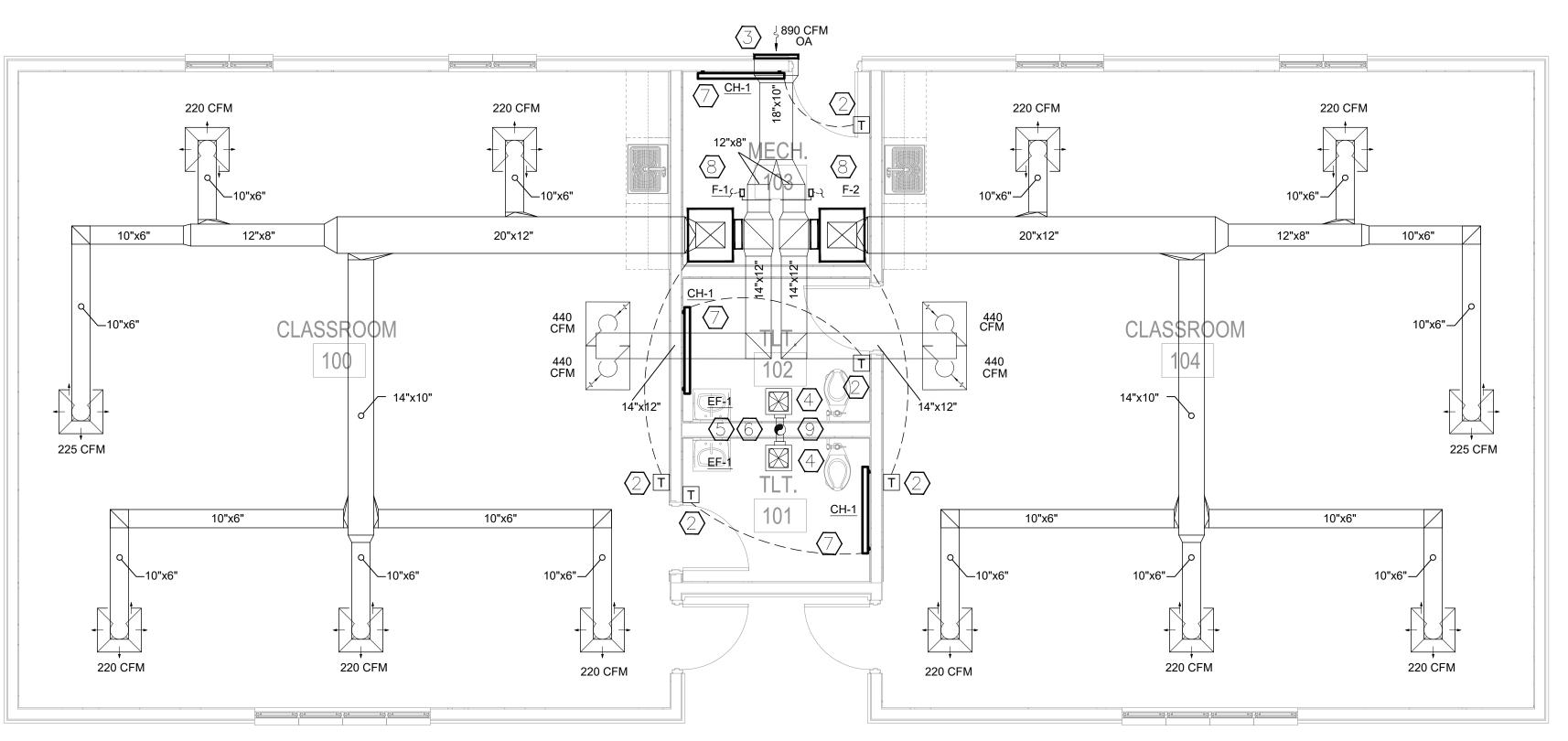
1 LOUVERED PENTHOUSE CONSTRUCTION SHALL BE ALUMINUM OF MIN 3 TIERS, ON MIN 14" CURB, WITH DUCT ADAPTER AS REQUIRED IN INTERSTITIAL SPACE BELOW. PROVIDE PEST SCREEN.

SUPPLY DIFFUSERS										
TYPE	NAILOR MODEL	NOM. SIZE	NECK	CFM RANGE	REMARKS					
			6" DIA	0 TO 100						
		12"x12"	8" DIA	100 TO 200						
SQUARE	ARNSA	RNSA	10" DIA	201 TO 325	SQUARE DIFFUSER, PLASTER OR					
SQUARE		24"x24"	8" DIA	100 TO 300	GRID CEILING PER LOCATION					
			10" DIA	300 TO 450						
			12" DIA	450 TO 750						
\A/A11		8"x6"	8"x6"	0 TO 250	FLUSH MOUNT ON DUCT OR IN					
WALL,	7104 04	12"x6"	12"x6"	250 TO 420	67 ALLACES 284 67 A 5004 6 MM 1081 60 AC AC 201 2840 6 SA 5006 AM 1084 65 AM 2006 AC					
SOFFIT, OR DUCT	71DH-OA	12"x8"	12"x8"	420 TO 600	WALL WHERE SHOWN W/FITTING AS REQ'D					
OK DUCT		14"x10"	14"x10"	600 TO 1000	AS REQ D					

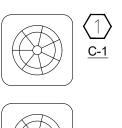
1 ACCEPTABLE SUBSTITUTES AND FURTHER INFORMATION: SECTION 233700. 2 DIFFUSERS SHALL BE ALUMINUM OR GALVANIZED STEEL PAINTED AFTER

FABRICATION. COLOR SELECTED BY ARCHITECT, VISIBLE PORTIONS INSIDE PAINTED MATTE BLACK OR INSULATED WITH BLACK COATING.

3 DIFFUSERS SHALL HAVE VOLUME DAMPER. INCLUDE VOLUME CONTROL DEVICE AT BRANCH TAKEOFF, OR WHERE NOT POSSIBLE (DIRECT DUCT-MOUNTED, NO ACCESS, ETC.) FACTORY MOUNTED BEHIND FACE WITH ACCESS FROM FRONT, FOR BALANCING 4 FRAME & OPTIONS SHALL MATCH SURFACE WHERE INSTALLED



MECHANICAL PLAN



KEYNOTES (#)

1. PLACE ON PAD, PLUMB AND LEVEL, ADHERING TO ALL MANUFACTURERS REQUIREMENTS AND RECOMMENDED SPACING. VERIFY PLACEMENT WITH ARCHITECT/OWNER. CONCRETE PAD SHALL EXTEND AT LEAST 6" WIDER THAN EQUIPMENT ON ALL SIDES.

2. PLACE THERMOSTAT IN CLEAR PLASTIC LOCKABLE COVER KEYED ALIKE, VERIFY FINAL LOCATION WITH ARCHITECT/OWNER PRIOR TO PLACEMENT.

COORDINATE EXACT LOCATION OF LOUVERS / VENT CAPS WITH ARCHITECT.

4. EXHAUST FANS SHALL BE CONNECTED TO LIGHT SWITCH TO OPERATE DURING BUILDING

5. EXHAUAST PIPING SHALL PENETRATE THROUGH ROOF TO LOUVERED PENTHOUSE. CONTRACTOR SHALL FLASH AND SEAL PENETRATION WATERTIGHT PER MANUFACTURERS REQUIREMENTS TO MAINTAIN ROOF WARRANTY.

6. EXHAUST VENTS AND FLUES SHALL BE COORDINATED WITH EQUIPMENT MANUFACTURERS; LOCATIONS SHALL BE ADJUSTED AS NECESSARY TO MAINTAIN A MINIMUM OF 10' SEPARATION FROM OUTSIDE AIR INTAKES.

7. COVE HEATERS SHALL BE MOUNTED SECURELY TO WALL, CENTERED, A MINIMUM OF 6" BELOW CEILING. CONFIRM WITH MANUFACTURERS RECOMMENDED SPACING.

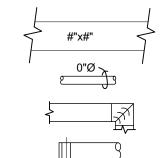
8. INSTALL FULL SIZE FILTER BOX IN RETURN PLENUM OF UNIT, PROVIDE FILTERS. DUCT OUTSIDE AIR INTAKE INTO RETURN AND PROVIDE MOTORIZED DAMPER AS SHOWN. OPEN POSITION DURING OCCUPIED SIGNAL FROM THERMOSTAT.

9. COORDINATE EXHAUST DUCT WITH PLUMBING VENT PIPING AT THIS LOCATION.

GENERAL MECHANICAL NOTES

- 1. ALL WORK IS TO BE DONE IN ACCORDANCE WITH ALL STATE AND LOCAL BUILDING CODES. IF ANY CONFLICT EXISTS THE DEFAULT IS TO THE BUILDING CODE MEETING WITH APPROVAL OF THE AUTHORITY HAVING JURISDICTION. DESIGN INTENT IS TO MEET ASHRAE 62, ASHRAE 55, AND ASHRAE 90.1, AND NFPA MOST CURRENT EDITIONS.
- 2. DUCTWORK TO BE INSTALLED IN ACCORDANCE WITH MOST CURRENT EDITION OF SMACNA
- 3. CONTRACTOR SHALL INSTALL ALL EQUIPMENT/APPLIANCES TO MEET STATE BUILDING CODES FOR VIBRATION ISOLATION & SEISMIC REQUIREMENTS.PROVIDE FLEXIBLE CONNECTIONS BETWEEN HVAC UNITS AND SHEETMETAL DUCTWORK.
- 4. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR VISITING THE PROJECT SITE AND BECOMING FAMILIAR WITH PROJECT PRIOR TO BIDDING WORK.
- 5. MECHANICAL CONTRACTOR SHALL PROVIDE AS BUILT DRAWINGS TO THE OWNER PRIOR TO FINAL
- 6. START-UP SERVICE SHALL BE PROVIDED FOR HVAC SYSTEM. OWNER REPRESENTATIVE SHALL BE
- TRAINED ON EQUIPMENT INSTALLED. 7. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT FOR A FULLY FUNCTIONAL AND OPERABLE
- COMPLETE SYSTEM. DRAWINGS ARE DIAGRAMMATIC IN NATURE ONLY. CONFIRM ALL DIMENSIONS BY FIELD MEASUREMENT AND ADJUST FOR OBSTRUCTIONS AT NO FURTHER COST TO OWNER. 8. ALL DRAWINGS ARE SCHEMATIC IN NATURE AND INDICATES THE GENERAL AND APPROXIMATE
- LOCATION OF EQUIPMENT, PIPING, AND DUCTWORK. 9. DESIGN INTENT IS FOR A COMPLETE AND FUNCTIONAL SYSTEM. DRAWINGS AND NOTES
- TOGETHER SHALL ACT AS A BASIS FOR DESCRIBING THE SYSTEM FOR THE FACILITY.
- 10. CONTRACTOR IS RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS AND APPROVALS TO
- 11. VERIFY EACH MANUFACTURERS REQUIREMENTS FOR THEIR RESPECTIVE EQUIPMENT; INSTALL EQUIPMENT PER MANUFACTURERS REQUIREMENTS AND RECOMMENDATIONS.
- 12. ALL DUCTWORK, PIPING, AND EQUIPMENT SHALL MEET THE REQUIRED CODE INSTALLATION SUPPORT REQUIREMENTS FOR THE SEISMIC ZONE OF THE PROJECT LOCATION AND GENERAL
- STRUCTURAL REQUIREMENTS FOR INSTALLATION. 13. DIMENSIONS GIVEN ARE FOR CLEAR INTERIOR CROSS SECTIONAL AREA. RECTANGULAR OR ROUND DUCTWORK MAY BE USED; A HYDRAULICALLY SIMILAR SUBSTITUTE DUCT ARRANGEMENT TO AVOID OBSTRUCTIONS OR CHANGE SHAPES MAY BE SUBMITTED TO AND APPROVED BY THE ENGINEER. DUCTWORK IS DESIGNED TO APPROXIMATE 0.08" PER 100 FEET OF DUCT. PROVIDE NEOPRENE INSULATED FLEXIBLE CONNECTION AT SA AND RA DUCT CONNECTIONS FOR SPLIT SYSTEM HVAC UNITS. OUTLET FLEXIBLE DUCT CONNECTIONS SHALL NOT EXCEED 6' IN LENGTH.
- 14. PROVIDE FIRE/SMOKE DAMPERS AT ALL LOCATIONS NOT EXEMPTED BY CODE, WHERE DUCTWORK PENETRATES RATED PARTITIONS AND FLOORS; SEAL ALL RATED PENETRATIONS WITH FIRESTOPPING. COORDINATE WITH ARCHITECTURAL DRAWINGS REGARDING FIRE AND SMOKE RATED PARTITIONS AND ENSURE DAMPERS ARE APPROVED BY LOCAL A.H.J.
- 15. DAMPERS SHALL BE INCLUDED IN ALL BRANCH TAKEOFFS TO ALLOW FOR A TEST AND BALANCE OF THE AIR SYSTEM. DAMPERS MAY NOT BE SHOWN FOR READABILITY, IT IS THE CONTRACTORS RESPONSIBILITY TO INCLUDE DAMPERS AT TAKEOFFS OR IN DIFFUSERS.
- 16. ALL DIFFUSERS SHALL BE SELECTED WITH FRAME APPROPRIATE FOR CEILING TYPE WHERE SHOWN OR INDICATED BY ARCHITECT RCP.
- 17. CONDENSATE DRAINS SHALL BE RUN CONCEALED TO NEAREST SANITARY CONNECTION OR FLOOR DRAIN, UNLESS OTHERWISE SHOWN, USE CONDENSATE PUMPS MATCHING NECESSARY RUN DISTANCES AND HEAD LOSS.
- 18. DUCT TURNING VANES SHALL BE INSTALLED WHERE TURNS EXCEED 45 DEGREES.
- 19. HVAC CONTRACTOR SHALL BALANCE HVAC SYSTEM TO AIR QUANTITIES INDICATED AND PROVIDE REPORT TO OWNER UPON COMPLETION.
- 20. ALL DUCTWORK FOR AIR AT TEMPERATURES BELOW AMBIENT SHALL BE INSULATES AS SPECIFIED. 21. ALL DUCTWORK SHALL BE INSTALLED AS HIGH AS PRACTICAL, TIGHT TO STRUCTURE ABOVE
- WHERE POSSIBLE TO MAXIMIZE USABLE CLEARANCE ABOVE CEILINGS THROUGHOUT. 22. THE CONTRACTOR SHALL COORDINATE ALL DUCTS, GRILLES, AND REGISTERS WITH THE LIGHTS AND STRUCTURE. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF THE STRUCTURE PRIOR TO DUCT FABRICATION.
- 23. CONTRACTOR SHALL COORDINATE ALL MECHANICAL EQUIPMENT WITH STRUCTURE AND ARCHITECTURAL DRAWINGS, VERIFY FINAL LOCATION OF EQUIPMENT PRIOR TO INSTALLING.
- 24. AVOID ROUTING DUCTWORK ABOVE ELECTRICAL PANELS AND EQUIPMENT. COORDINATE WITH ELECTRICAL CONTRACTOR FOR PANEL LOCATIONS.
- 25. ALL EQUIPMENT REQUIRING AN ELECTRICAL CONNECTION SHALL BEAR AN APPROPRIATE 3RD-PARTY LABEL FOR THE SPECIFIC APPLICATION OF THE EQUIPMENT.
- 26. ALL CONTROL WIRING SHALL BE FURNISHED AND INSTALLED BY HVAC CONTRACTOR. THERMOSTATS SHALL BE INSTALLED ON WALL ~48"AFF; COORDINATE WITH ELECTRICAL TRADE FOR RACEWAY ROUGH-IN. FINAL LOCATIONS SELECTED BY OWNER/ARCHITECT.
- 27. MULTI-TAP BLOWER MOTORS SHALL HAVE CORRECT TAP CONNECTED TO MEET AIR VOLUME AND HAVE SUFFICIENT STATIC CAPABILITY TO PROVIDE WITHIN 95% OF SCHEDULED TOTAL.
- 28. COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR. CONFIRM CIRCUIT AMPACITY, OVERCURRENT PROTECTION, SERVICE DISCONNECTS AND GROUNDING PER
- NAMEPLATE DATA FOR ALL EQUIPMENT. 29. GAS PIPING INSTALLED AND CONNECTED TO EQUIPMENT AS SPECIFIED IN MANUFACTURER'S INSTALLATION GUIDE WITH COMPLETE GAS TRAIN TO ENSURE PERFORMANCE. INACCESSIBLE LOCATIONS SHALL NOT HAVE UNIONS, FITTINGS OR RUNNING THREADS. SHUTOFF VALVES SHALL
- BE UPSTREAM OF EACH EQUIPMENT GAS TRAIN. 30. CONTRACTOR SHALL INSTALL ALL FUEL GAS PIPING & FLUE GAS VENTS PER STATE BUILDING CODE 301.6. ALL FLUES SHALL MEET NFPA CODE REQUIREMENTS AND MANUFACTURER'S
- 31. MAINTAIN A MINIMUM OF 10' SEPARATION BETWEEN OUTDOOR AIR INTAKES AND EXHAUSTS. 32. ALL PIPE, DUCT, GAS VENTS, ETC. SHALL BE SLEEVED THRU ALL PENETRATIONS AND SEALED
- 33. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN MANNER/ORIENTATION THAT ALLOWS ACCESS TO CONTROLS AND ACCESS PANELS FOR MAINTENANCE AND SERVICEABILITY.
- 34. COORDINATE ALL PENETRATIONS WITH STRUCTURAL BLOCKING AND DRAFTSTOPPING.





NEW DUCTWORK

ROUND DUCT **TURNING VANES**

MANUAL BALANCING DAMPER

NEW SUPPLY DUCT **NEW RETURN DUCT**

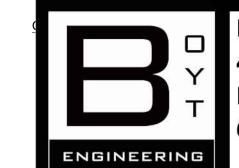
FLEX DUCT CONTROL WIRING

SUPPLY DIFFUSER RETURN DIFFUSER

EXHAUST GRILLE

OUTSIDE AIR EXHAUST FAN - X

FURNACE UNIT - X



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REVISIONS

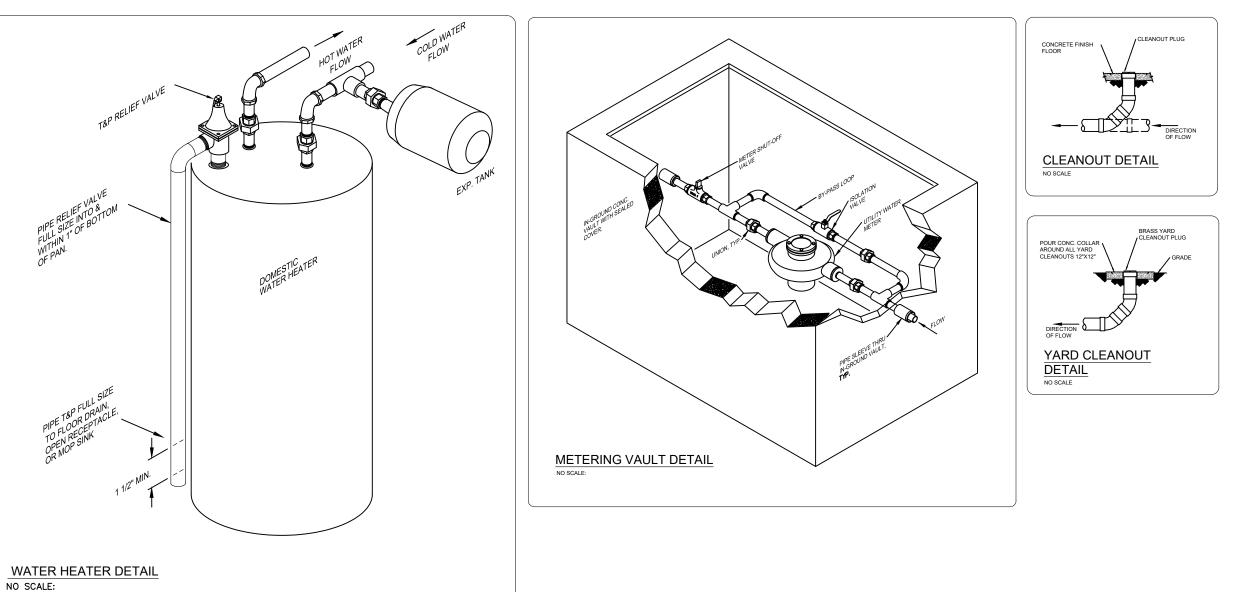
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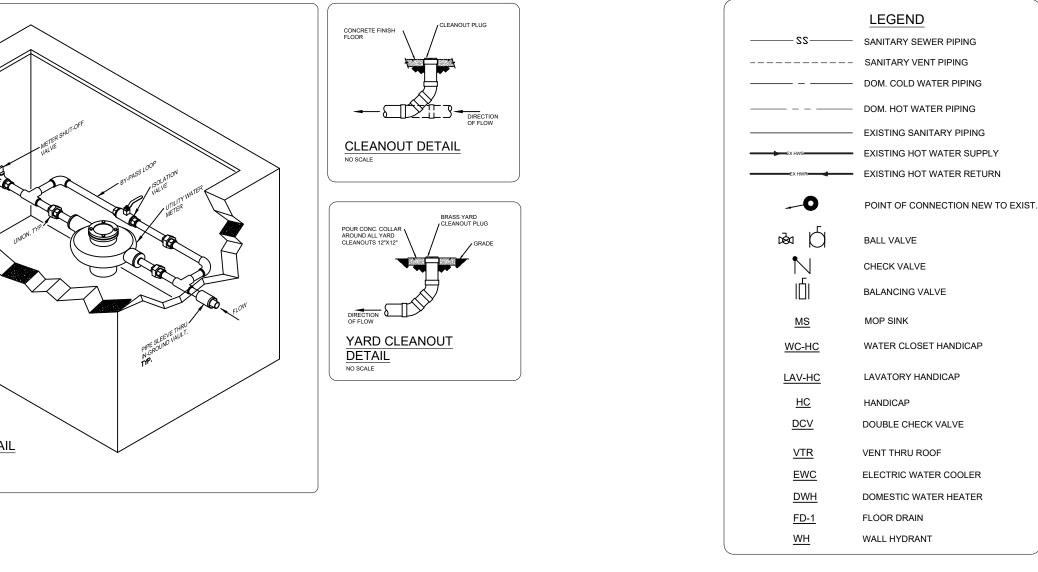
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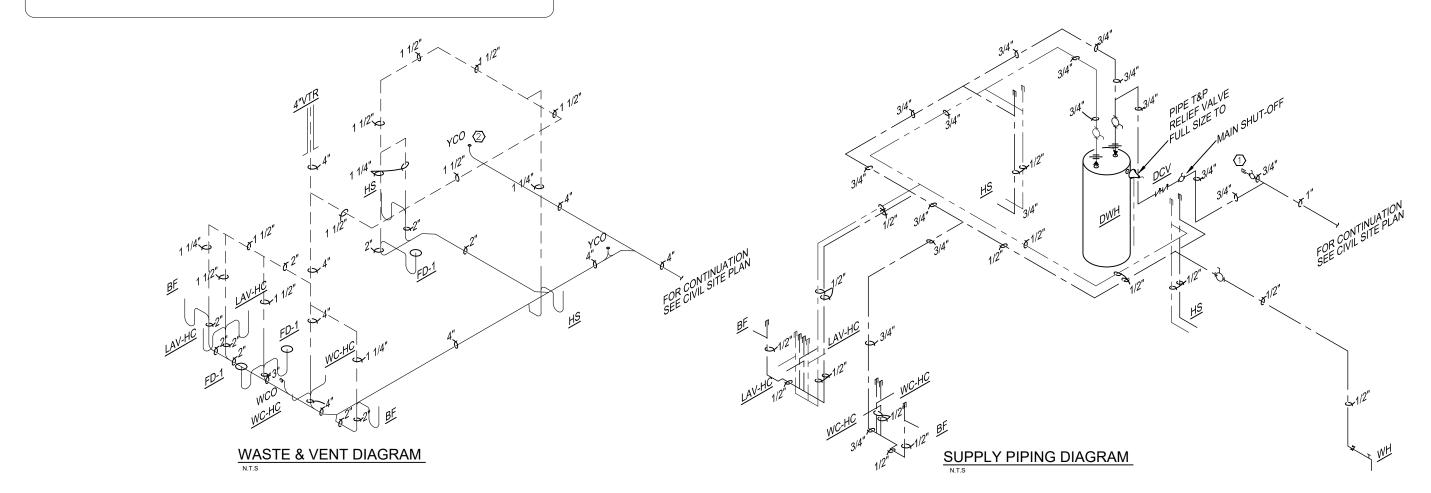
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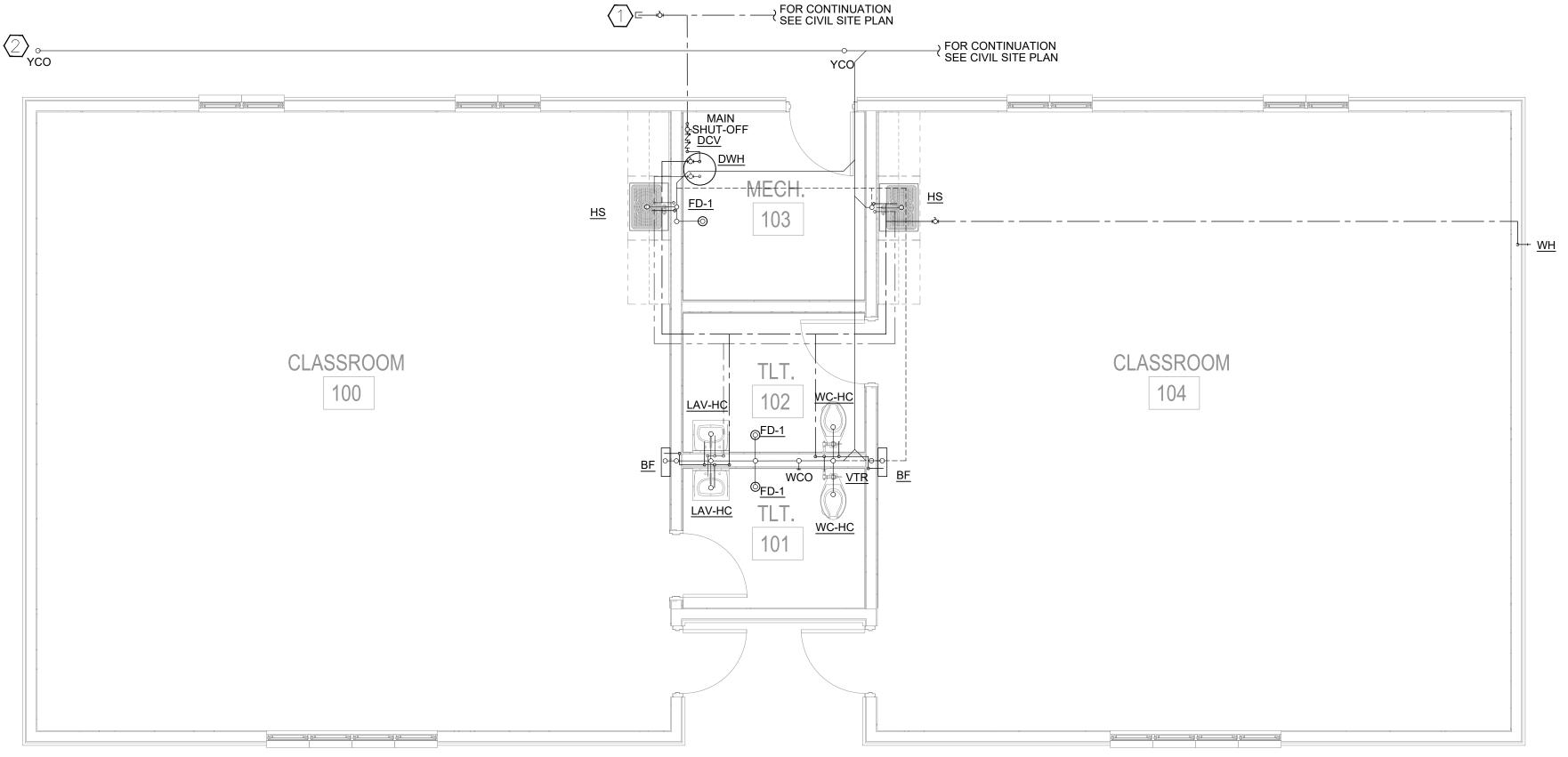
> 01-25-2024 MECHANICAL PLAN

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PLUMBING GENERAL NOTES:

- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND REPRESENT ONLY THE GENERAL AND APPROXIMATE LOCATIONS OF FIXTURES, PIPING, ETC. REFER TO MANUFACTURER'S DOCUMENTATION FOR ALL FIXTURES AND COORDINATE WITH ALL OTHER TRADES.
- PLUMBING CONTRACTOR SHALL PROVIDE COMPLETE SYSTEMS AND EQUIPMENT AS SHOWN AND COMPLY WITH ALL APPLICABLE CODE REQUIREMENTS.
- PLUMBING SHALL MEET THE ARKANSAS AMENDED 2018 INTERNATIONAL PLUMBING CODE CURRENTLY ADOPTED AT THE PROJECT LOCATION, AND ACCESSIBILITY CODES AS REQUIRED.
- WHERE CONFLICTS EXIST BETWEEN THESE DOCUMENTS AND THE PREVAILING PLUMBING CODE, DEFAULT TO THE STATE AND LOCAL PLUMBING CODE. PLUMBING CONTRACTOR SHALL INSTALL ALL PLUMBING, FIXTURES, AND PLUMBING SPECIALTIES (AIR GAPS,
- ANTI-SIPHON DEVICES, VALVES, WATER HAMMER ARRESTORS, ETC.) AS NECESSARY TO COMPLY WITH THE PLUMBING CODE AND ALL LOCAL REQUIREMENTS. COORDINATE ALL UTILITY CONNECTIONS SUCH AS NATURAL GAS, WATER, AND SEWERS WITH MUNICIPAL
- DEPARTMENTS AND UTILITY COMPANIES HAVING JURISDICTION. 6.1. THE WATER SERVICE METER, THE SEWER TAP, AND SITE PIPING SHALL BE PROVIDED BY THE SITE
- WORK CONTRACTOR AT NO FURTHER COST TO OWNER. NOT ALL VENT PIPING IS SHOWN. PROVIDE A COMPLETE VENT SYSTEM UTILIZING AS FEW ROOF PENETRATIONS AS POSSIBLE. COORDINATE PENETRATION WITH ROOF WARRANTY REQUIREMENTS
- CONFIRM FLASH AND SEAL. PLUMBING CONTRACTOR SHALL LOCATE ALL VENTS AT LEAST 15' AWAY FROM ALL HVAC OUTSIDE AIR
- INSTALL ALL SUPPLY PIPING AS HIGH AS POSSIBLE ABOVE CEILINGS, TYPICALLY UP AGAINST THE CEILING/ROOF STRUCTURE. VENT PIPING SHALL EXTEND UP AS HIGH AS PRACTICABLE AND ROUTED WITH MIN SLOPE TO PENETRATIONS. PIPING SHOWN IN GARAGE SHALL BE EXPOSED AND RUN ALONG CEILING AT TOP OF WALL TO EACH DROP.
- CONTRACTOR SHALL BE FAMILIAR WITH THE PROJECT AND VERIFY ALL CONDITIONS, MATERIALS, EQUIPMENT AND DIMENSIONS THAT MAY EFFECT THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING SITE AND BECOME FAMILIAR WITH ALL DRAWINGS AND REQUIREMENTS PRIOR TO BIDDING. SAW CUTTING OF THE SLAB MAY BE REQUIRED. CONTRACTOR SHALL REMOVE DEBRIS OFF SITE AND PROVIDE PROPER BACK FILL.
- LOAD BEARING BEAMS OR MEMBERS SHALL NOT BE CUT OR MODIFIED IN ANY MANNER. . NO NOTCHING OF ANY STRUCTURAL MEMBERS WITHOUT STRUCTURAL ENGINEER APPROVAL.
- 11.1. ANY PIPING PENETRATION THRU CONCRETE OR CINDER SHALL BE PROPERLY PROTECTED AGAINST
- 12. PROVIDE CLEANOUTS AT THE BASE OF ALL PLUMBING STACKS.
- SEE ARCHITECTURAL PLANS FOR ALL FIRESTOPPING DETAILS AND MEET RATED CONSTRUCTION FOR ALL PIPING PENETRATIONS.
- PROVIDE AIR CHAMBERS OR WATER HAMMER ARRESTORS AT ALL WATER SUPPLY CONNECTIONS TO ALL PLUMBING FIXTURES; $\frac{1}{2}$ " DIAMETER X 12" LONG AT ALL SINKS, LAVS, AND WATER CLOSETS.

- 15. FIXTURES OR PIPING WITH CONCEALED SLIP JOINT CONNECTIONS SHALL BE PROVIDED WITH AN ACCESS PANEL OR UTILITY SPACE AT LEAST 12" IN ITS SMALLEST DIMENSION OR OTHER APPROVED ARRANGEMENT SO AS TO PROVIDE ACCESS TO THE SLIP CONNECTIONS FOR INSPECTION AND REPAIR. WHERE SUCH ACCESS CANNOT BE PROVIDED, ACCESS DOORS SHALL NOT BE
- REQUIRED PROVIDED THAT ALL JOINTS ARE SOLDERED, SOLVENT CEMENTED, OR FASTENED SO AS TO FORM A SOLID CONNECTION. 16. ALL VALVES IN A CONCEALED LOCATION SHALL BE PROVIDED WITH AN ACCESS PANEL L OR UTILITY SPACE AT LEAST 12" IN ITS SMALLEST DIMENSION
- OR OTHER APPROVED ARRANGEMENT SO AS TO PROVIDE ACCESS TO THE 17. ALL INDIRECT WASTE PIPING THAT EXCEEDS 2 FEET IN DEVELOPED LENGTH
- MEASURED HORIZONTALLY, OR FOUR FEET IN TOTAL DEVELOPED LENGTH, SHALL BE TRAPPED.
- 18. EVERY TRAP AND TRAPPED FIXTURE SHALL BE VENTED IN ACCORDANCE WITH ONE OF THE VENTING METHODS SPECIFIED IN THE APPLICABLE PLUMBING
- 19. PLUMBING CONTRACTOR SHALL PROVIDE AS BUILT DRAWINGS TO THE
- OWNER PRIOR TO FINAL PAYMENT. 20. WHERE EQUIPMENT IS NOTED AS SUPPLIED BY OWNER, THE ITEM WILL BE DELIVERED TO THE JOB SITE BY THE OWNER TO BE INSTALLED BY THE CONTRACTOR OR SUB CONTRACTOR.
- 21. ANY DISPENSER SUPPLIED DEVICES WITH POTABLE WATER SHALL BE PROVIDED WITH AN APPROVED BACKFLOW PREVENTER DEVICE APPROPRIATE FOR EACH APPLICATION AND SHALL HAVE AN ASSE-1022 OR ASSE-1032 (WITH PORT) DEVICE IN-LINE; THE DOUBLE CHECK DEVICE SHALL
- 22. ALL BACKFLOW DEVICES SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR (CCCDI) OR AUTHORITY HAVING JURISDICTION (AHJ) BEFORE INITIAL OPERATION.

BE CONSTRUCTED OF STAINLESS STEEL MATERIALS.

23. VALVES FOR ISOLATED BRANCH TAKEOFFS ARE SHOWN ON ISOMETRIC DIAGRAMS IN FUNCTIONAL LOCATION ONLY, AND SHALL BE ARRANGED NEATLY AT ONE COMMON LOCATION AND ALIGNED ON WALL OR CEILING OF UTILITY ROOM PRIOR TO PENETRATION OF CEILING OR WALL FOR CONCEALED PIPING RUNOUTS TO FIXTURES.

CONSTRUCTION NOTES:

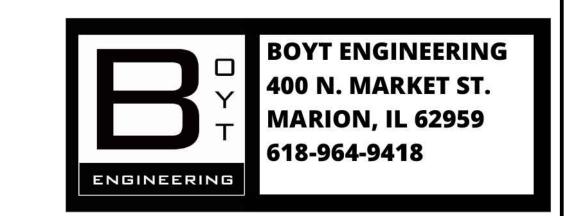
ALL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND REPRESENT ONLY THR GENERAL AND APPROXIMATE LOCATIONS OF FIXTURES, PIPING, ETC. NOT ALL PIPING IS SHOWN. REFER TO MANUFACTURER'S DOCUMENTATION AND COORDINATE FIXTURE AND EQUIPMENT LOCATIONS AND REQUIREMENTS TO PROVIDE ALL PIPING FOR A COMPLETE PLUMBING

TAG	SERVES	DE	SIGN BASE	REMARKS			
IAG	JERVES	MAKE	MODEL	REIVIANNS			
WC/ WC-HC	PUBLIC	KOHLER	K-31674	ADA, "GLEAM" FLOOR MOUNT ELONGATED COMFORT HEIGHT, 360 FLUSHING SYSTEM. PROVIDE OPEN FRONT ELONGATED TOILET SEAT.			
LAV/	PUBLIC	KOHLER	K-2032-R	BATHROOM SINK, ADA COMPLIANT, 4" FAUCET HOLES. PROVIDE CONCEALED WALL CARRIER AND ADA PIPE PROTECTION KIT.			
LAV-HC	TOBLIC	MOEN	WS84503	SINGLE HANDLE CHROME DECK MOUNT FAUCET. TEMP CONTROLLED WITH ARC SELECTION. PROVIDE MIXING TEE FOR SCALD PROTECTION			
HS	HAND SINK	DAYTON	DSESR12722	STAINLESS STEEL DUAL MOUNT SINK 27"X22"X8". PROVIDE STRAINER BASKET.			
НЗ		MOEN	87233	ADLER SINGLE HANDLE HIGH ARC PULL DOWN FAUCET WITH LEVER STYLE HANDLE. INCLUDE MIXING TEE FOR SCALD PROTECTION.			
BF	PUBLIC	OASIS	PWSMEBQ	SURFACE MOUNT BOTTLE FILLER WITH QUASAR ANTI MICROBIAL SYSTEM. 115V			
DCV	PUBLIC	WATTS	LF7R	LEAD FREE DUAL CHECK VALVE CAN BE INSTALLED HORIZONTALLY OR VERTICALLY			
WH	PUBLIC	WOODFORD	MODEL 68	FREEZLESS WALL HYDRANT WITH LOCKABLE COVER. SPECIFY INLET TYPE.			
DWH	PUBLIC	A.O SMITH	HNT-40	40 GAL ELECTRIC WATER HEATER 53 GAL FIRST HR RATING .92 UEF DUAL 4500W ELEMENTS.			
FD-1 FLOOR DRAIN SIOUX CHIEF 832-3DNR		832-3DNR	CAST IRON NO HUB FLOOR DRAIN 6.5" TOP GRATE 3" CONNECTION				

NOTE: PROVIDE ENGINEER WITH ALL CUT SHEETS PRIOR TO ORDERING FOR REVIEW SEE SPECIFICATIONS FOR ALL OTHER REQUIEREMENTS.

KEYNOTES (#)

- 1. VALVE AND CAP $\frac{3}{4}$ WATER STUB OUT FOR FUTURE ADDITION. MARK WITH TRACER WIRE IF NON METALLIC PIPE IS USED.
- 2. RUN SANITARY LATERAL AT PROPER DEPTH FOR FUTURE TIE IN OF FUTURE ADDITION.



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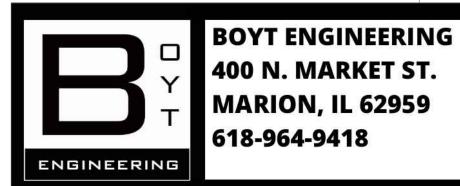
PLUMBING PLAN 08001623

ELECTRICAL LEGEND FIRE ALARM SYSTEM SWITCHES (ALL SWITCHES AT +44" UNLESS NOTED OTHERWISE) JUNCTION BOX FIRE/SMOKE DETECTOR AND ALARM UNIT **POWER METER** \$ SINGLE POLE SWITCH FIRE/HEAT DETECTOR AND ALARM UNIT TWO POLE SWITCH (co)C0 DETECTOR AND ALARM UNIT **DISCONNECT SWITCH** THREE-WAY SWITCH ALL UNITS SHALL HAVE 3-WIRE OR EQUIVALENT WIRELESS CONNECTIVITY **FUSED DISCONNECT SWITCH** TO ENSURE THAT IF ANY UNIT GOES INTO 'ALARM' MODE, ALL CONNECTED FOUR-WAY SWITCH ALARM UNITS ACTIVATE. HOMERUN START/STOP SWITCH RECEPTACLES (MOUNTED AT +18" TO CENTER UNLESS NOTED OTHERWISE) COMMUNICATIONS TELEPHONE OUTLET AT +18" DUPLEX RECEPTACLE DATA OUTLET AT +18" CTR COMBINATION TELE/DATA OUTLET AT +18" RUN DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER CAT6 JACK AND CABLE TO COLLECTION POINT, LEAVE MIN 2' CABLING COILED FOR EACH VERIFY MOUNTING HEIGHT GFCI PROTECTED RECEPTACLE RECEPTACLE - SPECIAL - MATCH EQUIPMENT DOUBLE DUPLEX RECEPTACLE INSTALL WITH SEALED, WEATHERPROOF COVER DUPLEX RECEPTACLE WITH USB OUTLET PANELS AND RELATED ITEMS PANELBOARD - SURFACE AT +72" TO TOP WHERE INDICATED, ALL 120/208V, 3Ø PANELBOARDS TO BE PROVIDED WITH AN ISOLATED GROUNDING BUS. PANELBOARDS WITH ISOLATED GROUND BUSSES SHALL HAVE FEEDER SCHEDULE NOMENCLATURE FEEDERS INSTALLED WITH TWO GROUND CONDUCTORS, ISOLATED GROUND CONDUCTOR TO BE IN ACCORDANCE WITH CIRCUIT AMPACITY CODE ANNOTATION TAGS AND NOMENCLATURE WIRE COUNT KEYED NOTE SYMBOL 1 - SINGLE PHASE (TWO WIRE CIRCUIT + GROUND) 3 - THREE WIRE CIRCUIT + GROUND TOP NUMBER DESIGNATES DETAIL, BOTTOM NUMBER 4 - FOUR WIRE CIRCUIT + GROUND DESIGNATES SHEET ON WHICH DETAIL IS LOCATED (3) 1-1/2"C = 3 SETS OF ONE AND ONE HALF INCH CONDUITS MECHANICAL EQUIPMENT CROSS REFERENCE MOUNTING HEIGHTS GIVEN ARE STANDARD. WHERE DIMENSIONAL NUMBERS ARE SHOWN AT SYMBOL, THIS SHALL BE THE MOUNTING HEIGHT OF THIS DEVICE. MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE, UNLESS INDICATED OTHERWISE. NOTE: NOT ALL SYMBOLS ARE USED ON THIS PROJECT.

ABBREVIATIONS AFG ATS AWG BC BLDG DISC DN DP DWG GFI GND J-BOX KVAR KWHR MAX MCC MH MIN MTD MTR MTS N.C. NEC NF N.O. NTS PANEL (R) RMS SPEC ST SWBD TSTAT UG UPS VA VAR VP W/O

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF ALTERNÀTÍNG CURRENT THE N.E.C. AND ALL APPLICABLE STATE AND LOCAL CODES. ABOVE FINISH FLOOR ABOVE FINISHED GRADE ALL DRAWINGS ARE ILLUSTRATIVE ONLY OF THE INTENT TO PROVIDE AND ELECTRICAL DEVICES AND CIRCUITS INDICATED. CONTRACTOR SHALL ALTERNATE PROVIDE CODE COMPLIANT ELECTRICAL SERVICE AND INSTALLATIONS TO AUTOMATIC TRANSFER SWITCH AMERICAN WIRE GAUGE ENSURE FULLY OPERATING DEVICES, BUILDING SYSTEMS, AND LIGHTING. ALL MATERIAL SHALL BEAR THE PROPER LABEL OF A RECOGNIZED 3RD BUILDING PARTY TESTING SERVICE (e.g. "UL") ALL EXPOSED WIRING SHALL BE IN CONDUIT. FLEXIBLE CABLING IN CIRCUIT BREAKER MANUFACTURED RACEWAY (AC/MC WHERE PERMITTED) IS ALLOWED FOR CLOSED CIRCUIT TELEVISION CONCEALED, BRANCH CIRCUIT WIRING ONLY. ALL HOMERUNS FROM FIRST JUNCTION BOX TO ENTRY INTO PANELBOARD LOCATION SHALL BE IN METAL CONDUIT (EMT). CURRENT TRANSFORMER ABOVE COUNTER G.F.I. TYPE RECEPTACLES SHALL BE SELF-CONTAINED UNITS WITH CLASS "A" COPPER SENSITIVITY. WHERE GFI BREAKERS ARE USED TO PROTECT ENTIRE COLD WATER CIRCUIT. EACH RECEPTACLE SHALL RECEIVE LABEL INDICATING IT IS A DISCONNECT GROUND FAULT PROTECTED OUTLET. WHERE SINGLE POLE BRANCH CIRCUIT CONDUCTORS HAVE BEEN DOUBLE POLE DOUBLE THROW INCREASED ABOVE THE SIZE OF THE CIRCUIT BREAKER TO COMPENSATE FOR VOLTAGE DROP, THE INCREASED SIZE SHALL EXTEND THROUGHOUT THE ENTIRE CIRCUIT, EXCEPT WHERE IT IS NECESSARY TO REDUCE THE SIZE FOR CONNECTION TO SWITCH AND RECEPTACLE TERMINALS, ETC. ELECTRICAL CONTRACTOR EQUIPMENT GROUNDING CONDUCTORS SHALL ALSO BE ADJUSTED **EMPTY CONDUIT** PROPORTIONATELY PER N.E.C. #250-122 (b). ELECTRICAL OR ELECTRIC EXERCISE CAUTION TO INSURE THAT THERMAL INSULATION IS NOT ELEVATOR INSTALLED CLOSE ENOUGH TO RECESSED LIGHTING FIXTURES TO PREVENT **EMERGENCY** ELECTRICAL METALLIC TUBING END OF LINE RESISTOR PROPER VENTILATION AND COOLING OF THE UNITS. FIXTURES SHALL COMPLY WITH ARTICLE 410 OF THE N.E.C. ELECTRICAL WATER COOLER UNLESS OTHERWISE NOTED OR DIRECTED, ALL CONDUIT SHALL BE CONCEALED BELOW FLOORS, IN WALLS, OR ABOVE CEILING. FIRE ALARM REMOTE ANNUNCIATOR PANEL ELECTRICAL CONTRACTOR SHALL VERIFY SERVICE AND VOLTAGE FIRE ALARM CONTROL PANEL REQUIREMENTS FOR ALL EQUIPMENT TO BE CONNECTED (BOTH NEW AND FOOT CANDLE EXISTING) PRIOR TO MAKING CONNECTIONS. FOOT OR FEET 10. DUPLEX RECEPTACLES SHALL BE MOUNTED WITH BOTTOM EDGE AT 16" ABOVE THE FINISHED FLOOR EXCEPT WHERE OTHERWISE NOTED. GENERAL CONTRACTOR WHERE RECEPTACLES ARE SHOWN AT COUNTERS OR CABINETS, THEY **GENERATOR CIRCUIT** GROUND FAULT INTERRUPTER SHALL BE INSTALLED WITH BOTTOM EDGE 6" ABOVE CABINET TOP OR, WHERE THERE IS A BACKSPLASH, BOTTOM EDGE 2" ABOVE THE BACKSPLASH. HIGH INTENSITY DISCHARGE WHERE RECEPTACLES ARE SHOWN ADJACENT TO LAVATORIES, THE HORSEPOWER RECEPTACLE SHALL BE MOUNTED WITH BOTTOM EDGE APPROX 6" ABOVE FREQUENCY CYCLES PER SECOND ELEVATION OF LAVATORY TOP. 11. SURFACE MOUNTED LIGHTING FIXTURES INSTALLED IN AREAS THAT DO NOT ISOLATED GROUND CONDUCTOR INTERMEDIATE METALLIC CONDUIT HAVE AN ACCESSIBLE CEILING SPACE ABOVE THEM SHALL BE INSTALLED IN COMPLIANCE WITH ARTICLE 410 OF THE N.E.C. 12. WHERE FIRE ALARM SYSTEM IS SHOWN OR REQUIRED BY CODE OR AHJ JUNCTION BOX CONTRACTOR SHALL PROVIDE AND SUBMIT FOR REVIEW A COMPLIANT KIRK KEY INTERLOCKED SYSTEM, DESIGN AND LAYOUT BY A NICET CERTIFIED DESIGNER AND THOUSAND CIRCULAR MIL(S) COORDINATE ALL REQUIREMENTS WITH ELECTRICAL TRADE AND AHJ. KILOVOLT KILOVOLT AMPERE(S) 13. COORDINATE ALL CEILING MOUNTED EQUIPMENT, (i.e. LIGHTING FIXTURES, KILOVAR(S) SPEAKERS, GRILLES, ETC.) WITH ALL OTHER EQUIPMENT & TRADES PRIOR TO KILOWATT(S & DURING INSTALLATION TO AVOID CONFLICTS. SHOULD IT BECOME KILOWATT HOUR NECESSARY TO REPOSITION SMOKE DETECTORS, EXERCISE CAUTION NOT MAXIMUM TO EXCEED THE 30' AND 15' SPACING AS REQUIRED BY THE APPLICABLE MOTOR CONTROL CENTER MANHOLE MINIMUM 14. NO BRANCH CIRCUITS SHALL SHARE A COMMON NEUTRAL. EVERY CIRCUIT MOUNTED HOMERUN SHALL INCLUDE A DEDICATED GROUNDED (NEUTRAL) CONDUCTOR AND FAULT-CURRENT (GROUND/BOND) CONDUCTOR MANUAL TRANSFER SWITCH 15. FIRE AND SMOKE STOP AROUND ALL CONDUIT, EQUIPMENT, ETC. WHICH NORMALLY CLOSED PENETRATES FLOORS, WALLS, AND CEILINGS. NATIONAL ELECTRIC CODE NON FUSED 16. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR NORMALLY OPEN NUMBER TO BIDDING IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND ANY DISCREPANCIES OR QUESTIONS SHALL BE BROUGHT NOT TO SCALE TO THE ATTENTION OF THE CONTRACTING OFFICER PRIOR TO BIDDING. NOT IN THIS CONTRACT 17. COMPLY WITH ALL CODES AND REGULATIONS, ETC. REGARDING ON CENTER PENETRATION OF THE CEILING FOR THIS TYPE OF CONSTRUCTION OVERLOAD ELEMENT 18. ELECTRICAL CONTRACTOR SHALL COORDINATE THE POSITIONING OF ANY **PUSH BUTTON** POWER FACTOR LIGHTING FIXTURES INTERFACING WITH CASEWORK AND SPECIAL CONSTRUCTION ELEMENTS. SEE ARCHITECTURAL DRAWINGS AND DETAILS. WHERE ANY DEVICES ARE TO BE SURFACE MOUNTED IN FINISHED AREAS, POTENTIAL TRANSFORMER POLYVINYL CHLORIDE USE METAL SURFACE MOUNT WIREWAY SYSTEM AND "FINISH" STYLE DEVICE BOXES EQUAL TO "WIREMOLD SERIES 700". ROOT MEAN SQUARE 20. RECESSED JUNCTION BOXES SHALL NOT BE MOUNTED BACK TO BACK. OFFSET BY MINIMUM OF 2 INCHES. SURFACE METAL RACEWAY 21. WHERE DEVICE BACKBOXES ARE LOCATED IN A RATED PARTITION SURFACE, SINGLE POLE THOSE BOXES AND THE OVERALL INSTALLATION SHALL BE ACCOMPLISHED **SPECIFICATIONS** TO MATCH THE PARTITION RATING. COORDINATE WITH ARCHITECTURAL SINGLE THROW SWITCH SWITCHBOARD 22. WHERE ANY DEVICE OR FIXTURE REMOVED DURING DEMOLITION INTERRUPTS POWER TO DOWNSTREAM ELECTRICAL DEVICES THAT ARE **EMPORARY** EXISTING TO REMAIN, THE ELECTRICAL CONTRACTOR SHALL BE THERMOSTAT RESPONSIBLE FOR ENSURING THAT DOWNSTREAM DEVICES ARE **TELEPHONE TERMINAL BOARD** RECONNECTED SUCH THAT THE CIRCUIT REMAINS ACTIVE. TELEPHONE TERMINAL CABINET 23. ALL INSTALLED EMPTY CONDUITS SHALL INCLUDE PULL CORD. TELEVISION TYPICAL 24. CONTRACTOR SHALL REPAIR/REPLACE DAMAGED SITE SURFACE FINISH UNDERGROUND UNIT HEATER ASPHALT, CONCRETE, TURF ETC. WHETHER INTENTIONAL OR NON-INTENTIONAL TO A CONDITION EQUAL TO OR EXCEEDING ORIGINAL UNINTERRUPTED POWER SUPPLY EXISTING CONDITION 25. CONTRACTOR SHALL PROVIDE TYPEWRITTEN PANEL BOARD DIRECTORIES VOLT AMP(S) PER NEC 408.4 IDENTIFYING SPECIFIC LOADS AND AREAS SERVED. REACTIVE VOLT AMPERES VAPOR PROOF 26. CONTRACTOR SHALL VERIFY MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES PRIOR TO ROUGH-IN. WITHOUT 27. CONTRACTOR SHALL VERIFY ELECTRICAL AND CONNECTION REQUIREMENTS OF ALL EQUIPMENT PRIOR TO ROUGH-IN. WEATHÉRPROOF WIREMOLD 28. ALL QUESTIONS REGARDING EXACT HEIGHTS, SPACING, LOCATIONS ETC. SHALL BE DIRECTED TO THE ARCHITECT. TRANSFORMER **EXISTING - REMOVE** 29. ALL WIRING SHOWN THESE PLANS SHALL BE MINIMUM #12 AWG COPPER **EXPLOSION PROOF** UNLESS NOTED OTHERWISE ON PLANS AND/OR EQUIPMENT SCHEDULES. 30. ALL CONDUIT SHOWN THESE PLANS SHALL BE MINIMUM 3/4" UNLESS NOTED OTHERWISE ON PLANS AND/OR EQUIPMENT SCHEDULES. 31. TO MITIGATE THE POSSIBILITY OF ELECTROMAGNETIC INTERFERENCE ON LOW VOLTAGE SYSTEMS (TELE, DATA, TV, FIRE ALARM ETC.) THE FOLLOWING MINIMUM CABLE SEPARATIONS SHALL BE ADHERED TO BETWEEN LINE VOLTAGE AC AND LOW VOLTAGE SYSTEMS: 31.1. 6"- WHEN BOTH SYSTEMS ARE ENCLOSED IN GROUNDED METAL 31.2. 12"- WHEN ONLY THE LINE VOLTAGE SYSTEM IS ENCLOSED IN GROUNDED METAL CONDUIT. 31.3. 24" - WHEN NEITHER SYSTEM IS ENCLOSED IN GROUNDED METAL CONDUIT. 32. ALL GFCI RECEPTACLES SHALL BE SELF TESTING TYPE. 33. ALL RECEPTACLES IN AREAS REQUIRED TO BE PROTECTED BY ARC FAULT OR GROUND FAULT INTERRUPTERS, MAY BE SERVED BY INDIVIDUAL DEVICES OR BY PROPERLY RATED BREAKERS WITH EACH DEVICE LABELED PER NEC 31. ALL RECEPTACLES IN AREAS REQUIRED TO BE PROTECTED BY TAMPER-PROOF SHUTTERS SHALL INCLUDE THIS FEATURE PER NEC REQUIREMENTS.

ELECTRICAL GENERAL NOTES



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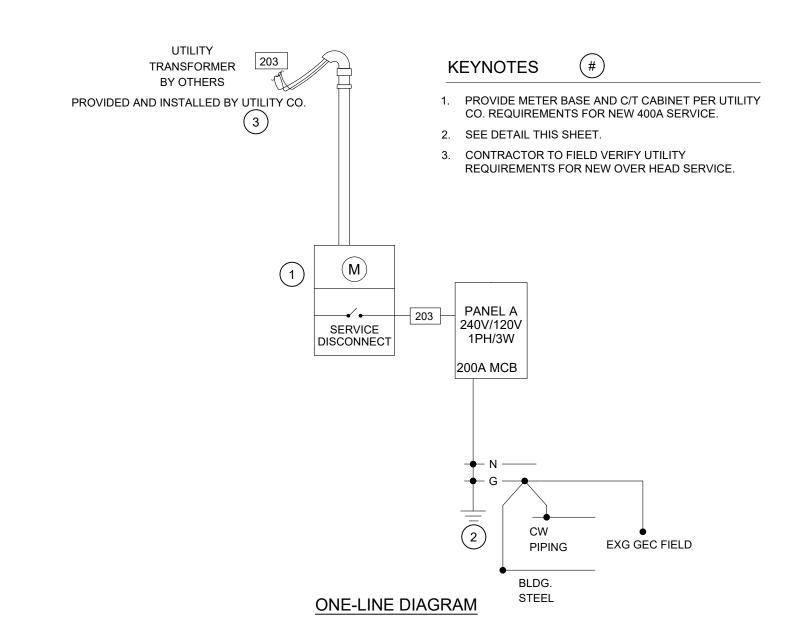
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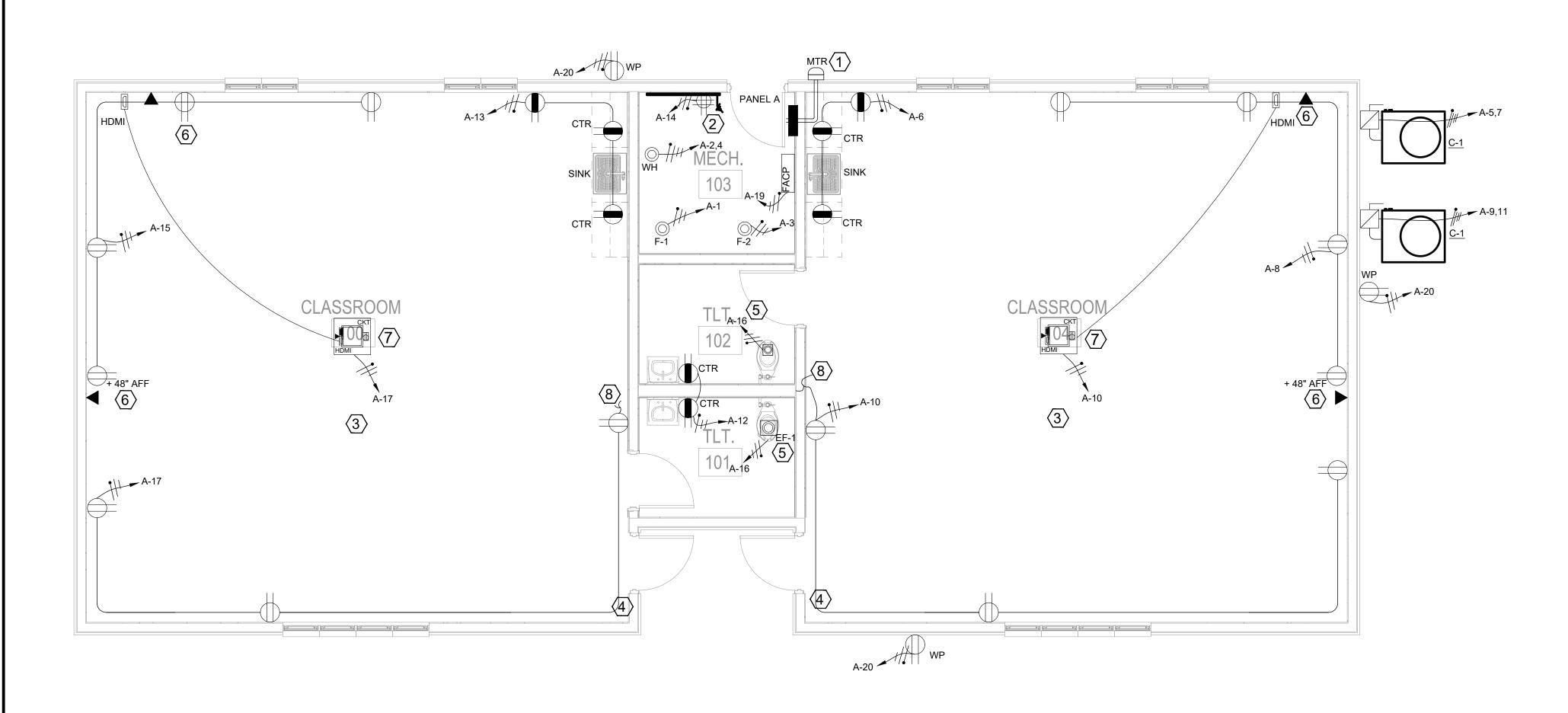
> SHEET TITLE LEGEND AND NOTES

> > 08001623 SHEET

ELECTRICAL KEYNOTES (#)

- 1. COORDINATE INCOMING OVERHEAD SERVICE AND METER REQUIREMENTS WITH UTILITY AND CIVIL SITE PLANS.
- 2. TELECOMMUNICATIONS EQUIPMENT BACKBOARD; PROVIDE 4'Wx4'H FIRE RETARDANT TREATED PLYWOOD BACKBOARD WITH DEDICATED QUAD RCPT AND ISBT BUS, SEE DETAIL AND SECTION 270000.
- 3. FACP; PROVIDE NICET CERTIFIED DESIGN PER SECTION 283100. SEE SHEET FA1.1.
- 4. INSTALL WIRING FOR ELECTRIC POSITION SENSING, POWER ACTIVATION, ACCESS CONTROL SYSTEM SIGNAL, OR OTHER WIRING TO MEET REQUIREMENTS OF ACCESS CONTROL SYSTEM SCHEDULED TO BE INSTALLED, AT NOTED DOORFRAME LOCATIONS. INSTALL SMALL DIAMETER FLEXIBLE RACEWAY ROUGH-IN WITH PULL CORD PRIOR TO DOOR SYSTEM COMPLETION, ROUTED FROM STRIKER AREA INSIDE DOOR FRAME TO BACKBOX FOR ENTRY PROX-SENSOR, AS WELL AS EXTENDED TO JUNCTION BOX ABOVE NEAREST ACCESSIBLE CEILING, READY FOR FUTURE USE BY OWNER. WHERE RACEWAY MUST BE EXPOSED, INSTALL LOW PROFILE METAL RACEWAY AND FINISH TO MATCH TRIM.
- 5. SPLICE/ EXTEND FAN TO HOT LEG OF LIGHTING CIRCUIT TO ENSURE OPERATION WHEN OCCUPIED.
- 6. VERIFY FINAL LOCATION OF ITEMS WITH OWNER AND SMART BOARD MANUFACTURE PRIOR TO ROUGH IN.
- 7. INSTALL HDMI JACK AND DATA JACK IN STANDARD 24x24 MODULAR FACEPLATE IN PROJECTOR-MOUNT PANEL REPLACEMENT SYSTEM (EPSON ELPMBP06 OR EQUAL) SECURED IN CEILING GRID APPROX AS SHOWN, CENTERED ON FINAL SCREEN LOCATION. INSTALL ASSOCIATED CABLING FOR EACH JACK TO MATCHING MODULAR WALL-JACK APPROXIMATELY WHERE SHOWN. CONFIRM DESIRED LOCATION WITH SCHOOL STAFF AND ADJUST AS NEEDED AT NO FURTHER COST TO OWNER. HOMERUN CAT-6 DATA JACK TO NEW COLLECTION POINT RACK. CABLING SHALL BE INSTALLED IN CONDUIT WHERE CONCEALED ABOVE CEILINGS OR IN DROPS TO WALL BOXES, OR IN METAL SURFACE MOUNT RACEWAY WHERE NO CAVITY EXISTS. INSTALL RECEPTACLE IN SEPARATE BACKBOX IN THIS PANEL, HOMERUN AS SHOWN.
- 8. SPLICE AND EXTEND CIRCUIT AS SHOWN FOR BOTTLE FILLER.

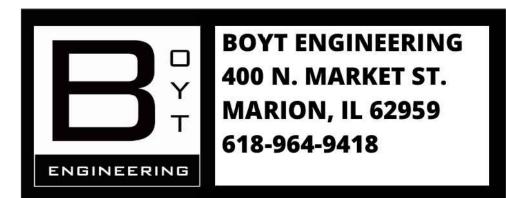




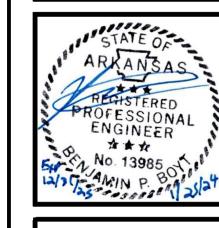
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Ĭ	DESIGN		8250 68.8	7710	*Prov	ide AF	CI/GFCI where Code/AHJ required		
	LINE AMPS			64.3			-		
DESI	GN LOA) KVA	15	.96	7				

					FEEDER SCHEDULE									
2-WIRE (+GND) CIRCUIT							3-WIRE (+GND) CIRCUIT							
TAG	AMPS	RUNS	CONDUIT	CONDUCTORS	GND*	TAG	AMPS	RUNS	CONDUIT	CONDUCTORS	GND			
021	20	(1)	3/4"	[2] #12 AWG	#12 AWG	023	20	(1)	3/4"	[3] #12 AWG	#12 AWG			
031	30	(1)	3/4"	[2] #10 AWG	#10 AWG	033	30	(1)	3/4"	[3] #10 AWG	#10 AWG			
041	40	(1)	3/4"	[2] #8 AWG	#10 AWG	043	40	(1)	1"	[3] #8 AWG	#10 AWG			
051	50	(1)	1"	[2] #6 AWG	#10 AWG	053	50	(1)	1-1/4"	[3] #6 AWG	#10 AWG			
061	60	(1)	1"	[2] #4 AWG	#10 AWG	063	60	(1)	1-1/4"	[3] #4 AWG	#10 AWG			
071	70	(1)	1"	[2] #4 AWG	#8 AWG	073	70	(1)	1-1/4"	[3] #4 AWG	#8 AWG			
081	80	(1)	1-1/4"	[2] #3 AWG	#8 AWG	083	80	(1)	1-1/4"	[3] #3 AWG	#8 AWG			
101	100	(1)	1-1/4"	[2] #2 AWG	#8 AWG	103	100	(1)	1-1/2"	[3] #2 AWG	#8 AWG			
111	110	(1)	1-1/4"	[2] #2 AWG	#6 AWG	113	110	(1)	1-1/2"	[3] #2 AWG	#6 AWG			
121	120	(1)	1-1/4"	[2] #1 AWG	#6 AWG	123	120	(1)	2"	[3] #1 AWG	#6 AWG			
151	150	(1)	1-1/2"	[2] #1/0 AWG	#6 AWG	153	150	(1)	2"	[3] #1/0 AWG	#6 AWG			
171	170	(1)	1-1/2"	[2] #2/0 AWG	#6 AWG	173	170	(1)	2"	[3] #2/0 AWG	#6 AWG			
201	200	(1)	2"	[2] #3/0 AWG	#6 AWG	203	200	(1)	2-1/2"	[3] #3/0 AWG	#6 AWG			
221	225	(1)	2"	[2] #4/0 AWG	#4 AWG	223	225	(1)	2-1/2"	[3] #4/0 AWG	#4 AWG			
251	250	(1)	2-1/2"	[2] 250 Kcmil	#4 AWG	253	250	(1)	3"	[3] 250 Kcmil	#4 AWG			
301	300	(1)	2-1/2"	[2] 350 Kcmil	#4 AWG	303	300	(1)	3"	[3] 350 Kcmil	#4 AWG			
351	350	(1)	3"	[2] 500 Kcmil	#3 AWG	353	350	(1)	3"	[3] 500 Kcmil	#3 AWG			
401	400	(2x)	2"	[2] #3/0 AWG	#3 AWG	403	400	(2x)	2"	[3] #3/0 AWG	#3 AWG			
451	450	(2x)	2"	[2] #4/0 AWG	#2 AWG	453	450	(2x)	2-1/2"	[3] #4/0 AWG	#2 AWG			
501	500	(2x)	2-1/2"	[2] 250 Kcmil	#2 AWG	503	500	(2x)	3"	[3] 250 Kcmil	#2 AWG			
601	600	(2x)	2-1/2"	[2] 350 Kcmil	#1 AWG	603	600	(2x)	3"	[3] 350 Kcmil	#1 AWG			
701	700	(4x)	1-1/2"	[2] #2/0 AWG	#1/0 AWG	703	700	(2x)	3"	[3] #2/0 AWG	#1/0 AWG			
801	800	(2x)	3"	[2] 500 Kcmil	#1/0 AWG	803	800	(2x)	4"	[3] 500 Kcmil	#1/0 AWG			
1001	1000	(4x)	2-1/2"	[2] 250 Kcmil	#2/0 AWG	1003	1000	(3x)	4"	[3] 250 Kcmil	#2/0 AWG			
*All new circuits require CU Ground/Bond conductor as						1203	1200	(4x)	4"	[3] 250 Kcmil	#2/0 AWG			
indicated. THIS CONDUIT AND SIZING REFERENCE BASED ON NEC							1600	(5x)	4"	[3] 250 Kcmil	#2/0 AWG			
Table, (3) UN-Grounded Conductors in EMT, CU, THHN, AND 75°C.							2000	(6x)	4"		#2/0 AWG			
Alternative conductor sizes/quantities may be substituted, and							2500	(7x)	4"		#2/0 AWG			
shall be selected from NEC Table for equivalent or greater amperage capacity, at no further cost to owner.							3000	(8x)	4"		#2/0 AWG			
amperage capacity, at no farther cost to owner.							4000	(11x)	4"		#2/0 AWG			





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01-25-2024 ELECTRICAL PLAN

08001623

ELECTRICAL PLAN

KEYNOTES

ROUTE CIRCUIT FOR ALL EXTERIOR LIGHTING THRU
PROGRAMMABLE TIMER SWITCH IN MECHANICAL ROOM FOR
DUSK TO DAWN OPERATION.

GENERAL LIGHTING NOTES

- CONDUIT AND WIRING NOT SHOWN FOR PLAN CLARITY.
- 2. PROVIDE ELECTRONIC DIMMER SWITCHES WHERE INDICATED ON WALL FOR LOCAL ON/OFF OVERRIDE AND FOR DIMMING/LEVEL CONTROL OF EACH DIMMING CIRCUIT NOTED. FIELD VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. ELECTRONIC WALL DIMMER SHALL BE SELECTED FROM MANUFACTURER'S LIST FOR COMPATIBILITY WITH LED LIGHTING FIXTURES INSTALLED, FOR 0-10VDC SIGNAL AND 1%-100% DIMMING RANGE
- 3. ROUTE ALL HOMERUN CIRCUITS FROM FIXTURE CIRCUITS TO PANEL CIRCUIT INDICATED.
- 4. OCCUPANCY SENSOR SWITCHES SHOWN IN RECESSED WALL SWITCH LOCATIONS SHALL BE TYPICAL DUAL-TECH WITH PASSIVE INFRARED AND ACOUSTIC 'MICROPHONICS' CONTROL, TO CORRECTLY TRIGGER AND MAINTAIN 'ON' AND TO AVOID NUISANCE 'OFF'. OCC-SENSOR SWITCH SHALL BE SENSORSWITCH #WSD-PDT-WH (TYPICAL).
- 5. MULTIPLE GROUPINGS OF DEVICES SHALL BE GANGED UNDER THE SAME COVERPLATE.
- 6. HALF-SHADING (AS SHOWN IN LEGEND) OR 'NL' DENOTES NIGHTLIGHT FIXTURE. CONNECT TO HOT (UNSWITCHED) LEG OF CIRCUIT FOR 24/7 OPERATION. (TYPICAL)
- 7. ALL EXIT SIGNS AND EMERGENCY EGRESS FIXTURES SHALL HAVE BATTERY BACKUP WITH AUTOMATIC DIAGNOSTIC TEST FEATURE. CONNECT TO THE UNSWITCHED (HOT) LEG OF THE CIRCUIT SERVING THE SAME SPACE.
- 8. PROGRAMMABLE TIMER SWITCH (SEE KN#1) SHALL BE PROGRAMMED AS DESIRED BY OWNER FOR AUTOMATIC SECURITY AND ACCESS LIGHTING. COORDINATE SCHEDULE AS REQUIRED.

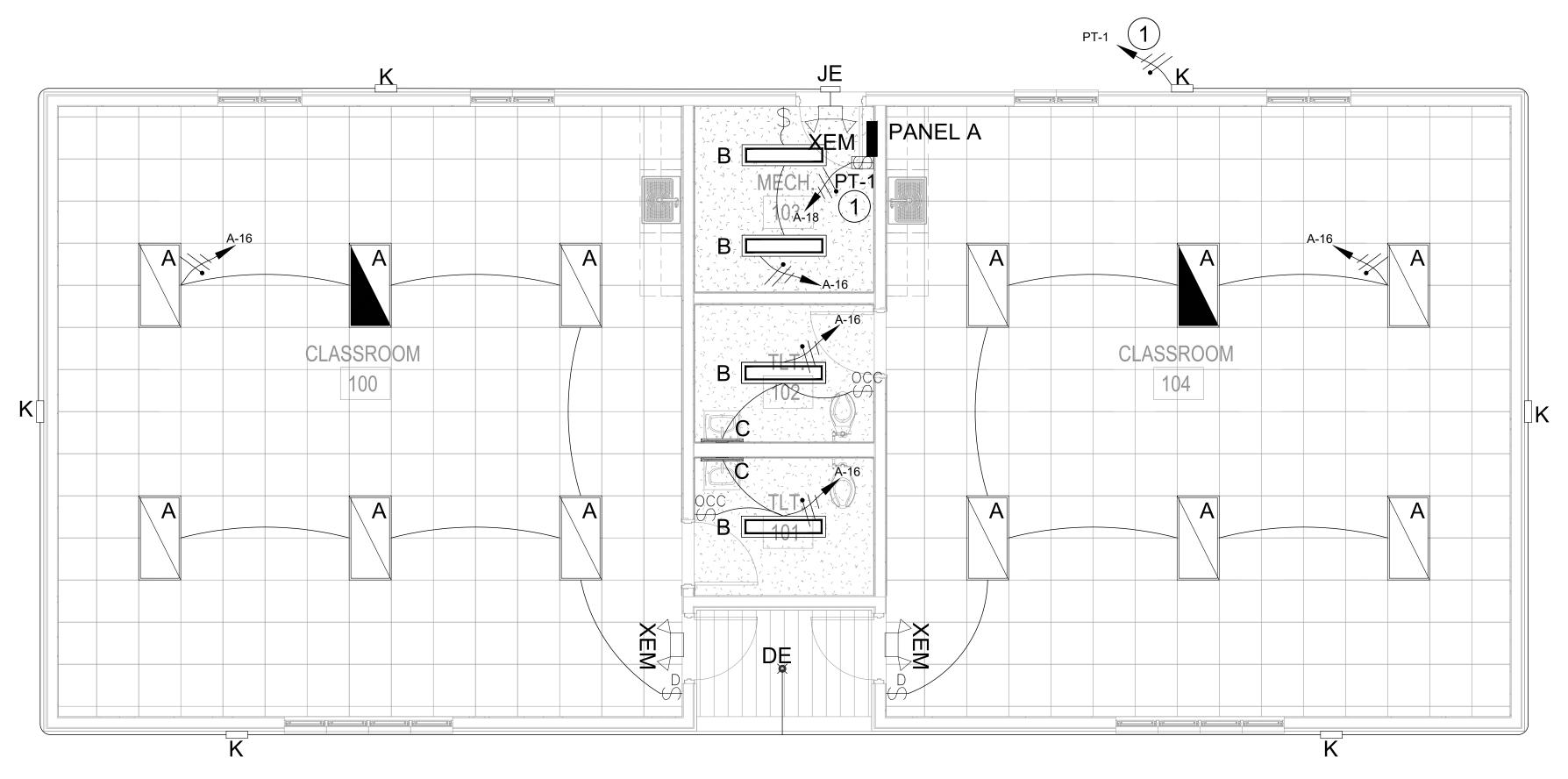
LEGEND -	LIGHTING
A	A/AE: 2x4 RECESSED LED, "E" INDICATES BATTERY BACKUP
В	B:4' LED LINEAR WRAP, UTILITY, SURFACE MOUNT
c—	C: LED VANITY FIXTURE
D x	D/DE: 4" RECESSED LED DOWNLIGHT, "E" INDICATES BATTERY BACKUP
JE 🗆	JE:SMALL EXTERIOR LED FLOODLIGHT WITH EMERGENCY EGRESS BATTERY BACKUP
К □	K: EXTERIOR LED WIDESPREAD FLOODLIGHT
x ⊛	X: INTERIOR EXIT SIGN
XEM	XEM: INTERIOR COMBO EXIT SIGN AND EMERGENCY EGRESS
NL	NIGHTLITE/SECURITY - HALF-SHADED FIXTURE INDICATES A FIXTURE THAT SHALL BE WIRED TO 'HOT' LEG OF CIRCUIT AND IS NOT SWITCHED.
\$ \$ \$ \$ \$occ	SWITCH, LINE VOLTAGE; 3=3-WAY, 4=4-WAY OCC=OCCUPANCY SENSING (CIRCLE=CEILING MOUNT) SHALL BE PIR+AUDIO (SENSOR SWITCH)
\$ ^D	D= DIMMING CONTROLLER; 0-10VDC SIGNAL TO FIXTURES IN SPACE SERVED
\$ ^P	P= PILOT LIGHT
S ^{PT}	PT= PROGRAMMABLE TIMER SWITCH
P1-#54	CIRCUIT CALLOUTS: PANEL CKT#/(letter)=SWITCHED CKT
P1-#	HOMERUN WITH PANEL CKT IDENTIFIED
J	JUNCTION BOX

CONTACTOR/RELAY ENCLOSURE

LIGHTING FIXTURE SCHEDULE											
TAG	CATEGORY	MANUFACTURER	DESIGN BASE MODEL	LAMP	WATTS	DIM	LUMENS	TEMP (K)	ELEC	LOCATION	DESCRIPTION
Α	2X4 RECESSED	LITHONIA METALUX	CPX 2x4 4000LM 80 40K A12 ZT MVOLT 24FP4740C	LED	39 W	Y	4000	4000k	MULTI	RECESSED CEILING	FLAT PANEL, DIMMABLE TO 1%, FRAME TO MATCH SURFACE WHERE INSTALLED
В	LINEAR	LITHONIA METALUX	BLWP4 40L SDP SL840 4NWS3C3-UNV	LED	35 W	NO	4000	4000k	MULTI	SURFACE CEILING	4' LOW PROFILE WRAPAROUND, SQUARE LENS
С	VANITY	LITHONIA	FMVCSL 24IN MVOLT 40K 90CRI BN	LED	25 W	N/A	1700	4000k	MULTI	SURFACE WALL	24" LINEAR VANITY, CONTEMPORARY, BRUSHED NICKEL, WHITE LENS
х	EXIT SIGN	LITHONIA DUAL-LITE PHILIPS	LQM-SW3R120ELNSD LX-URWEI CXXL-3RW	LED	3 W	N/A	-	-	120 V	PER LOCATION	EMERGENCY ILLUMINATED SIGN, WHITE, THERMOPLASTIC, NICAD BATTERY BACKUP: RED "EXIT" WITH UNIVERSAL CHEVRONS, ONE OR TWO FACE PER LOCATION, SELF DIAGNOSTIC
XEM	INTERIOR EXIT SIGN	LITHONIA	LHQM-LED-R-HOSD	LED	30 W	N/A	N/A	N/A	120 V	SURFACE WALL	HIGH OUTPUT LED EMERGENCY EXIT SIGN, COORDINATE WITH "X"
EXTERIOR LIGHTING FIXTURE SCHEDULE											
MARK	TYPE	MANUFACTURER	MODEL#	LAMP	WATTS	DIM	LUMEN	TEMP (K)	VOLT	LOCATION	DESCRIPTION
		LITUONIA	LDNIA 40/25 LOAAD ICAANOLT FICE								AULED DOWNLIGHT CRECHIAD DATTERY DACKIED WITH CELE

EXTERIOR LIGHTING FIXTURE SCHEDULE											
MARK	TYPE	MANUFACTURER	MODEL#	LAMP	WATTS	DIM	LUMEN	TEMP (K)	VOLT	LOCATION	DESCRIPTION
	EXTERIOR	LITHONIA	LDN4 40/25 LO4AR LS MVOLT ELSD								4" LED DOWNLIGHT, SPECULAR, BATTERY BACKUP WITH SELF-
DE	Downlight	GOTHAM	EVO4 40/25 AR LS MWD MVOLT ELSD	LED	26 W	NO	2500	4000k	120 V	RECESSED CEILING	DIAGNOSTIC, WET LOCATION RATED
	Downlight										
		LITHONIA	WPX1 LED P2 40K MVOLT E4WH PE								EXTERIOR LED WALLPACK WITH FULL CUT-OFF OPTICS, GLASS
	EXTERIOR	ETITIOTUIX	WINTEED IZ FOR HIVOET EFWITTE								LENS, WITH EMERGENCY BATTERY BACKUP, ON HOT LEG OF
JE	Wallmount	GARDCO	121 16L 400 NW-G4 3 EBPC UNV PCB	LED	24 W	NO	2900	4000k	120 V	SURFACE WALL	CIRCUIT, PHOTOCELL BUTTON FOR DUSK TO DAWN
	EMERGENCY										OPERATION, COORDINATE FINISH WITH ARCHITECT
	EXTERIOR	LITHONIA	WPX2 LED 40K MVOLT PE								EXTERIOR LED WALLPACK WITH FULL CUT-OFF OPTICS, GLASS
K	Wallmount	GARDCO	121 16L 1000 NW-G4 UNV PCB	LED	55 W	NO	6000	4000k	120 V	SURFACE WALL	LENS, PHOTOCELL BUTTON FOR DUSK TO DAWN OPERATION
	Security										
NOTES											

1 FIXTURES SHOWN ON PLANS WITH AN "E" SUFFIX SHALL INCLUDE MANUFACTURER'S EMERGENCY BATTERY BACKUP SYSTEM INCLUDING BATTERY, CHARGING CIRCUIT, AND AUTOMATIC SWITCHING BASED ON MONITORING THE PRESENCE OF POWER ON THE UNSWITCHED (HOT) LEG OF THE CIRCUIT.







RECHSTERED PROFESSIONAL ENGINEER

No. 13985

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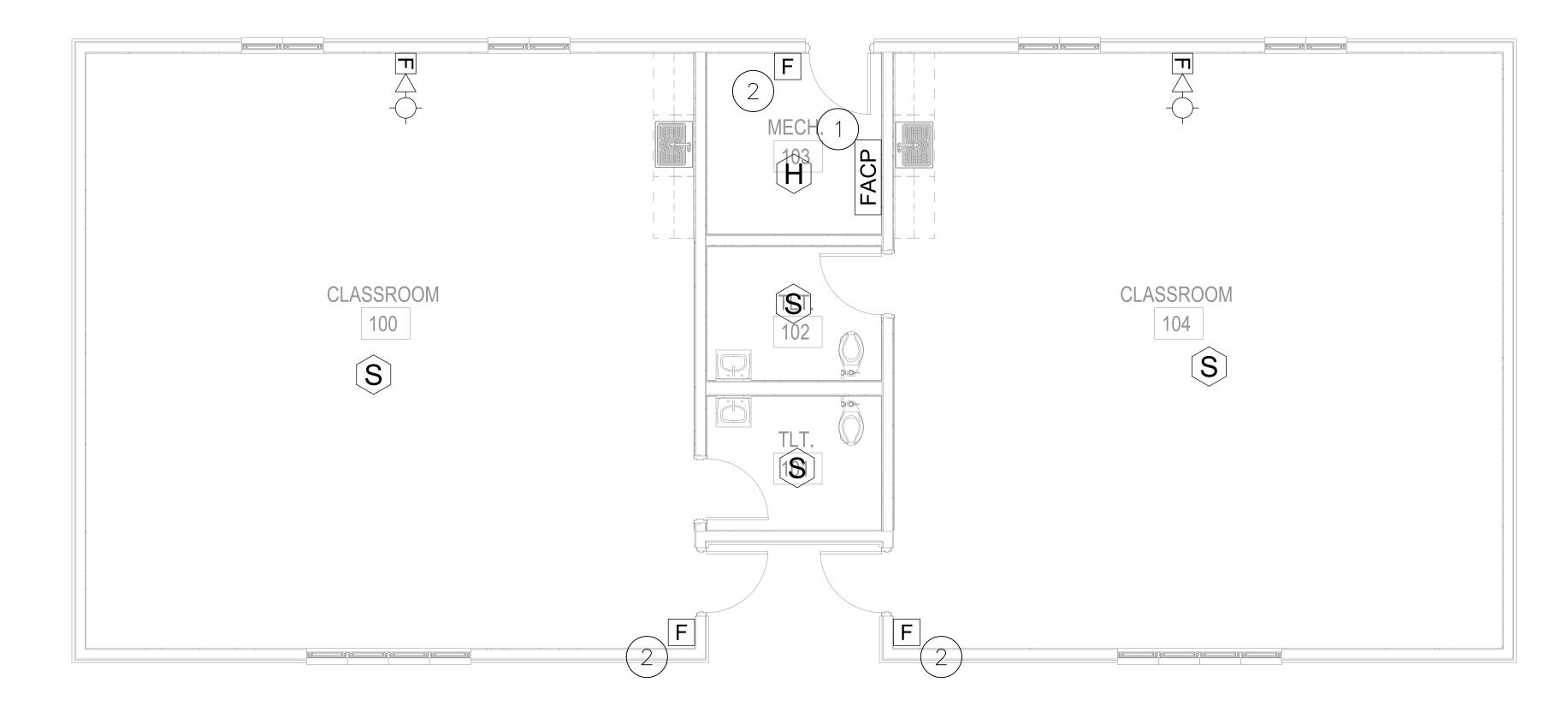
DATE 01-25-2024

LIGHTING PLAN

JOB NO.

08001623

E1.2



FIRE ALARM SYSTEM

FACP FIRE ALARM PANEL

FAA FIRE ALARM ANNUNCIATOR

MANUAL FIRE ALARM PULL STATION AT +44"

FIRE ALARM HORN AT +80"

FIGHT FIRE ALARM HORN AND STROBE AT +80"

FIRE ALARM HORN AND STROBE -CEILING MTD.

FIRE ALARM BELL AT +80"

FIRE ALARM BELL AND LIGHT AT +80" EX FIRE ALARM STROBE

MAGNETIC DOOR HOLD OPEN DEVICE WATER FLOW SWITCH

TAMPER SWITCH

SMOKE DETECTOR

HEAT DETECTOR

C02 DETECTOR

GENERAL FIRE ALARM NOTES

S JUNCTION BOX FOR DUCT SMOKE DETECTOR

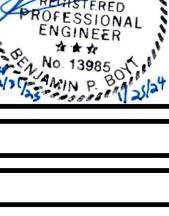
SMOKE FIRE DAMPER

KEYNOTES (#)

- PROVIDE NEW FIRE ALARM CONTROL PANEL AS SPECIFIED.
- 2. COORDINATE LOCATION OF PULL STATION WITH LOCAL A.H.J. ENGINEER INTENDS FOR THE USE OF PULLSTATIONS THIS PROJECT DUE TO THE 'PUBLIC' USE OF THIS BUILDING TO AVOID 'NUISANCE' FIRE ALARM SYSTEM ACTIVATION.



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01-25-2024

FIRE ALARM PLAN

08001623

1. FIRE ALARM DEVICES AND LAYOUT SHOWN ON THESE PLANS INDICATES INTENT FOR BIDDING REFERENCE PURPOSES ONLY. CONTRACTOR SHALL OBTAIN THE SERVICES OF A MINIMUM NICET IV-LEVEL FIRE ALARM SYSTEM DESIGNER CERTIFIED AT PROJECT LOCATION TO PROVIDE A 100% COMPLETE AND OPERATIONAL SYSTEM DESIGN AND LAYOUT THAT MEETS THE REQUIREMENTS OF 2012 ARKANSAS FIRE PREVENTION CODE VOLUME 1 & 2 AND THE PROPERTY OWNER AND THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).

- 2. FIRE ALARM SYSTEM SHALL INCLUDE ALL REQUIRED COORDINATION WITH ELECTRICAL TRADE FOR POWER, AND INSTALLED SYSTEM SHALL INCLUDE ALL NECESSARY COMPONENTS, INCLUDING CABLING AND PRE-PROGRAMMING, TO ENSURE A 100% OPERABLE SYSTEM COMPLIANT WITH AHJ REQUIREMENTS. VERIFY EXACT REQUIREMENTS PRIOR TO BID.
- 3. INSTALL NEW CONCEALED CABLING AND CABLING IN RACEWAY AS SPECIFIED AND WHERE NECESSARY TO CONNECT ALL CIRCUITS BETWEEN DEVICES AND PANELS. WHERE CIRCUITS IN OCCUPIED FINISHED AREAS CANNOT BE CONCEALED DUE TO CONSTRUCTION, METAL WIREMOLD MATCHING SURROUNDING FINISH SHALL BE USED AND DEVICES SHALL BE SURFACE MOUNTED ON LOW-PROFILE "FINISH" BOX TO ENSURE SECURE, CONCEALED CABLE ENTRY.
- 4. NEW CONDUIT/CIRCUIT CONDUCTORS SHALL BE RUN CONCEALED WHEREVER POSSIBLE AND ROUTED TO ALL LOCATIONS INSTALLED AS HIGH AS POSSIBLE IN INTERSTITIAL SPACES AND ABOVE ACCESSIBLE CEILINGS. ALL RACEWAY OR CONCEALED CABLING HANGERS/SUPPORTS SHALL BE ANCHORED DIRECTLY TO STRUCTURAL ELEMENTS SUCH THAT NO PORTION OF SYSTEM RESTS UPON OR IS SUPPORTED BY OTHER PIPING, SURFACES, GRIDS, EQUIPMENT, OR SYSTEMS.
- 5. NOTIFICATION CIRCUITS SHALL BE MINIMUM #16 COPPER AND LISTED FOR THE APPLICATION. CONDUCTORS SHALL HAVE PLENUM-RATED INSULATION SHEATH WHERE RUN CONCEALED OR BE RUN IN CONDUIT OR METAL RACEWAY WHERE EXPOSED. ALL RACEWAY PENETRATIONS AND JUNCTION BOXES SHALL BE MARKED RED AND LABELED FOR FIRE SYSTEM. DESIGN BASE SURFACE BOX WHERE NECESSARY: HUBBELL 5753R OR EQUAL AS SPECIFIED.
- 6. BALANCE NOTIFICATION DEVICE LOAD BETWEEN NOTIFICATION APPLIANCE PANEL CIRCUITS.
- 7. PROVIDE AND INSTALL NEW NOTIFICATION APPLIANCE POWER PANELS, INCLUDING ADDITIONAL TRANSFORMERS/CIRCUITS AS

- REQURED FOR NEW HORNS, STROBES, AND RELATED ACTIVATION DEVICES SUCH AS HOLD-OPENS COORDINATED WITH ARCHITECTURAL DOOR HARDWARE PLANS. PANELS SHALL BE MOUNTED ON CLEAR WALL SPACE ADJACENT TO ELECTRICAL OR OTHER SYSTEM PANELS TO ENSURE ACCESSIBLE HEIGHT AND CLEARANCE TO MEET ALL APPLICABLE CODE AND LOCAL AHJ REQUIREMENTS.
- 8. ENSURE ALL STROBES WITHIN SIGHT OF EACH OTHER ARE SYNCHRONIZED, IN ANY COMMON OR OPEN CONTIGUOUS SPACE, INCLUDING CORRIDORS, LOBBIES, AND ROOMS WITH MULTIPLE STROBES.
- 9. ALL MANUAL PULL STATIONS AT PUBLIC EGRESS LOCATIONS SHALL BE PROTECTED BY CLEAR ACRYLIC COVER WHICH WILL SOUND A LOCAL ALARM WHEN OPENED, WITH KEYED RESET.
- 10. COORDINATE WITH ELECTRICAL TRADE FOR POWER CIRCUITS REQUIRED BY ALL DEVICES AND ENCLOSURES. 11. PROVIDE ALL POWER SUPPLIES, BATTERY BACKUP, AND
- COMPLETE A FULLY FUNCTIONAL SYSTEM. 12. PROVIDE ADDRESSABLE INTERFACE FOR ANY DUCT SMOKE DETECTORS THAT MAY BE PRESENT IN PACKAGED AIR HANDLER UNITS. COORDINATE EXACT LOCATION OF UNITS WITH MECHANICAL TRADE AND CONNECT FIRE ALARM CIRCUIT AS REQUIRED FOR EQUIPMENT SHUTDOWN IN THE EVENT OF

POWER-LIMITED CABLING FOR POWER AND SIGNALS TO

SMOKE DETECTOR ACTIVATION. 13. MOUNT CARBON MONOXIDE DETECTOR IN EACH SPACE WHERE REQUIRED DUE TO PRESENCE OF GAS-BURNING APPLIANCES AT ELEVATION RECOMMENDED BY MANUFACTURER.

FIRE ALARM DEVICES SHOWN ARE FOR DESIGN INTENT ONLY. CONTRACTOR SHALL OBTAIN THE SERVICES OF A LOCAL, NICET CERTIFIED FIRE ALARM INSTALLER TO PROVIDE A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM THAT MEETS ALL LOCAL AND STATE REQUIREMENTS FOR A BUILDING OF THIS TYPE, USE AND OCCUPANCY. SUBMIT A FULL SET OF FIRE ALARM PLANS TO THE ARCHITECT AND LOCAL JURISDICTION HAVING AUTHORITY FOR APPROVAL PRIOR TO COMMENCEMENT

FIRE SMOKE DAMPERS (NOT SHOWN ON PLAN) ARE PROVIDED AND INSTALLED BY MECH CONTRACTOR. FINAL CONNECTION BY ÉLECTRICAL CONTRACTOR. VERIFY EXACT LOCATIONS AND REQUIREMENTS WITH MECH CONTRACTOR AS REQUIRED.



