

The City of Durant encourages participation from all its citizens. If participation at any public meeting is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged in order to make the necessary accommodations. The City of Durant may waive the 48-hour rule if interpreters for the deaf (signing) or translation services for limited English proficient (LEP) individuals are not the necessary accommodation.

AIRPORT ADVISORY BOARD

4:00 PM

**Durant Eaker Field
Conference Room,
10 Waldron Dr,
Durant, Oklahoma**

September 4, 2024

AGENDA

CALL TO ORDER

INVOCATION/FLAG SALUTE

ROLL CALL

ORDER OF BUSINESS

1. Consent Items

To help streamline meetings and allow the focus to be on other items requiring strategic thought, the "Consent Items" portion of the agenda groups the routine, procedural, and self-explanatory non-controversial items together. These items are voted on in a single motion (one vote). However, any Council member requesting further information on a specific item thus removes it from the "Consent Items" section for individual attention and separate vote.

- a. Consider Approval of Regular Called Meeting Minutes of August 7, 2024

2. Consider Items Removed from Consent

3. Information Items

- a. Airport Director Monthly Report

4. Administration

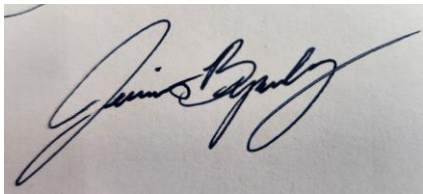
- a. Discussion, Consideration and Possible Action to Approve the Durant Regional Airport 5 Year Capital Improvement Plan

5. New Business

ADJOURNMENT

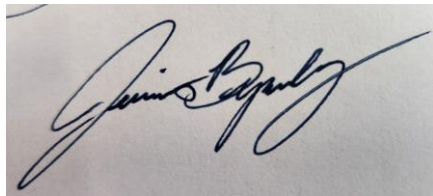
CERTIFICATE

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 30th day of October, 2023 and that an agenda of said meeting was posted at the place of such meeting at 11:00 a.m. on the 28th day of August, 2024.

A handwritten signature in black ink, appearing to read "Jessica Byerly", is written on a light-colored background.

Jessica Byerly, City of Durant

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 30th day of October, 2023 and that an agenda of said meeting was posted at the place of such meeting at 1:00 p.m. on the 1st day of August, 2024.



Jessica Byerly, City of Durant

**MINUTES OF THE MEETING OF AIRPORT ADVISORY BOARD
August 7, 2024 AT 4:00 PM, Durant Eaker Field
Conference Room,
10 Waldron Dr,
Durant, Oklahoma**

CALL TO ORDER

Chairman Dan Craige called the meeting to order at 4:00pm.

INVOCATION/FLAG SALUTE

Board Member Lambert provided the invocation. Board Member Dan Moore led the flag salute.

ROLL CALL

Present:

Board Member Lambert
Board Member Dan Moore
Board Member Olsen
Board Member Thomas
Vice Chairman Sherrer
Chairman Dan Craige

Absent:

Board Member Kathy Moore
Board Member Dufur
Board Member Stuteville

ORDER OF BUSINESS

1. Consent Items

To help streamline meetings and allow the focus to be on other items requiring strategic thought, the "Consent Items" portion of the agenda groups the routine, procedural, and self-explanatory non-controversial items together. These items are voted on in a single motion (one vote). However, any Council member requesting further information on a specific item thus removes it from the "Consent Items" section for individual attention and separate vote.

- a. Consider Approval of Regular Called Meeting Minutes of June 12, 2024

Motion To: Approve Regular Called Meeting Minutes of June 12, 2024

Motion By: Olsen

Seconded By: Dan Moore

Ayes: Lambert, Dan Moore, , Olsen, Thomas, Sherrer, Craige

Nays: None

Abstain: None

2. Consider Items Removed from Consent

3. Information Items

- a. Airport Director Monthly Report

4. Administration

- a. Elect Chairperson and Vice-Chairperson Pursuant to Section 32.107 of the Durant City Code

Dan Craige offered that if the board wanted him to, he would continue to serve as Chairperson. When asked, Danny Sherrer had no objections to continuing his role as Vice- Chairperson. No one brought forth any other nominees.

Motion To: Continue with Dan Craige as Chairperson and Danny Sherrer as Vice-Chairperson

Motion By: Olsen

Seconded By: Thomas

Ayes: Lambert, Dan Moore, Olsen, Thomas, Sherrer, Craige

Nays: None

Abstain: None

5. New Business

ADJOURNMENT

Motion To: Adjourn August 7th Meeting

Motion By: Thomas

Seconded By: Craige

Ayes: Lambert, Dan Moore, Olsen, Thomas, Sherrer, Craige

Nays: None

Abstain: None

Durant Airport Monthly Report – August 2024

Airport Monthly Sales	August 2024		August 2023	
• Avgas 100LL -	286.4g	\$1,523.61	3,339g	\$17,556.53
• Jet A W/Additive -	15,143g	\$66,133.20	17,962g	\$81,199.96
• Self-Serve -	2,938.11g	\$14,984.36	1,813.23g	\$9,229.34
• Total Fuel Sales -	18,367.51g	\$82,641.17	27,761.88g	\$118,063.76
• Total Number of Sales -	136 Sales		252 Sales	
• Misc. - Hangar- \$28,157.74 Lav- \$0 Overnight- \$0 Callout- \$0			\$48,270	
• Total sales for the month -	\$110,798.91		\$166,333.76	

Monthly Events,

1. The AWOS system at the airport has been replaced and the new system is up and running. The system was certified by the FAA on August 23rd. They started tearing out the old system the week of August 26th. We have DBT as our AWOS tech on record for the next year as part of the work. Should we decide to continue with them, we will need to work out a contract.
2. The Air Evac Hangar build has been moving ever steadily forward. We are looking at the final design set completion target date set for the week of Sept. 16th. Once this is complete KSA will move forward on the bidding aspects for the project. Right now, estimates are high for the work. This tends to happen on these projects. When we put the project out for bid, we will be placing our budget in the bid packages. This typically helps to bring bids in either at cost or even under.
3. The 100LL truck was finally replaced with a loaner fuel truck from Titan. The Mechanic had come out early during the week of August 19th to perform the work. Once the fuel tank, fuel pump and all other items had been worked on the truck was still having issues. Titan is taking our truck back to do a complete engine swap.

Total Virtower operations for August 2024 – 5,107 (at time of Report) Virtower 2023 – 4448



DURANT, OKLAHOMA DURANT REGIONAL AIRPORT DUA AIR EVAC HANGAR, ACCESS ROAD, & UTILITIES PROJECT

KSA JOB # 101421 ~ JULY 2024

CITY OF DURANT OFFICIALS

MAYOR

MARTIN TUCKER

CITY COUNCIL MEMBERS

DISTRICT AT LARGE WARD 1:
HUMPHREY MILLER

DISTRICT AT LARGE WARD 2:
LAURAN FULLER

DISTRICT AT LARGE WARD 3:
DANNY SHERRER

VICE MAYOR
WARD 4:
MIKE SIMULESCU

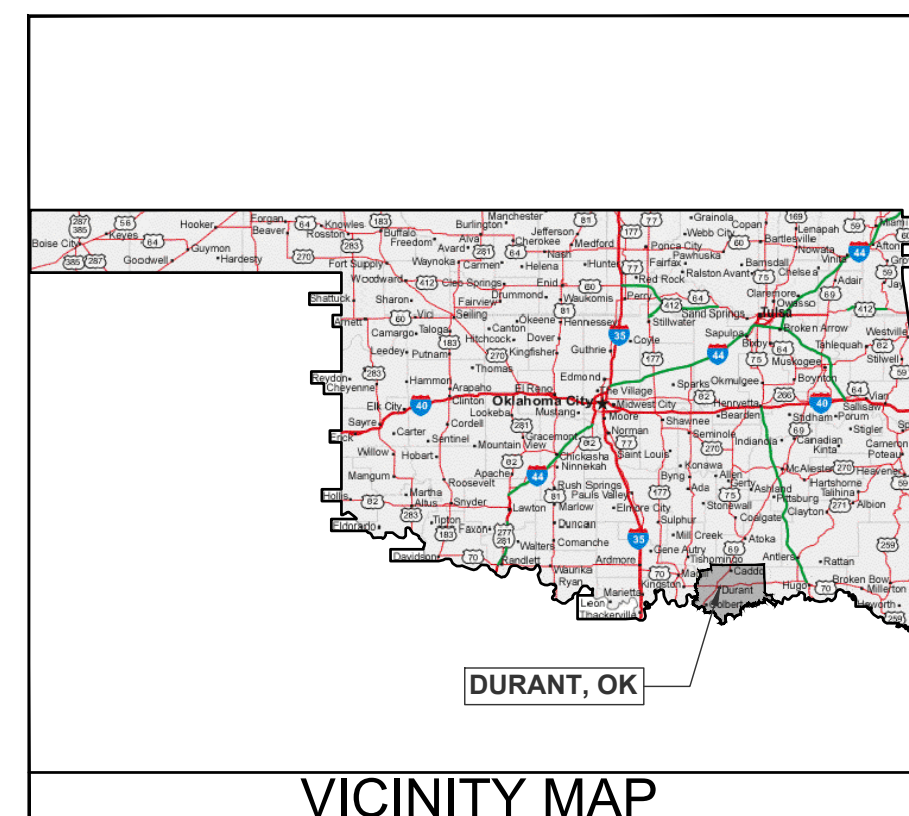
DISTRICT II:
JAMES DEREUS

INTERIM CITY MANAGER

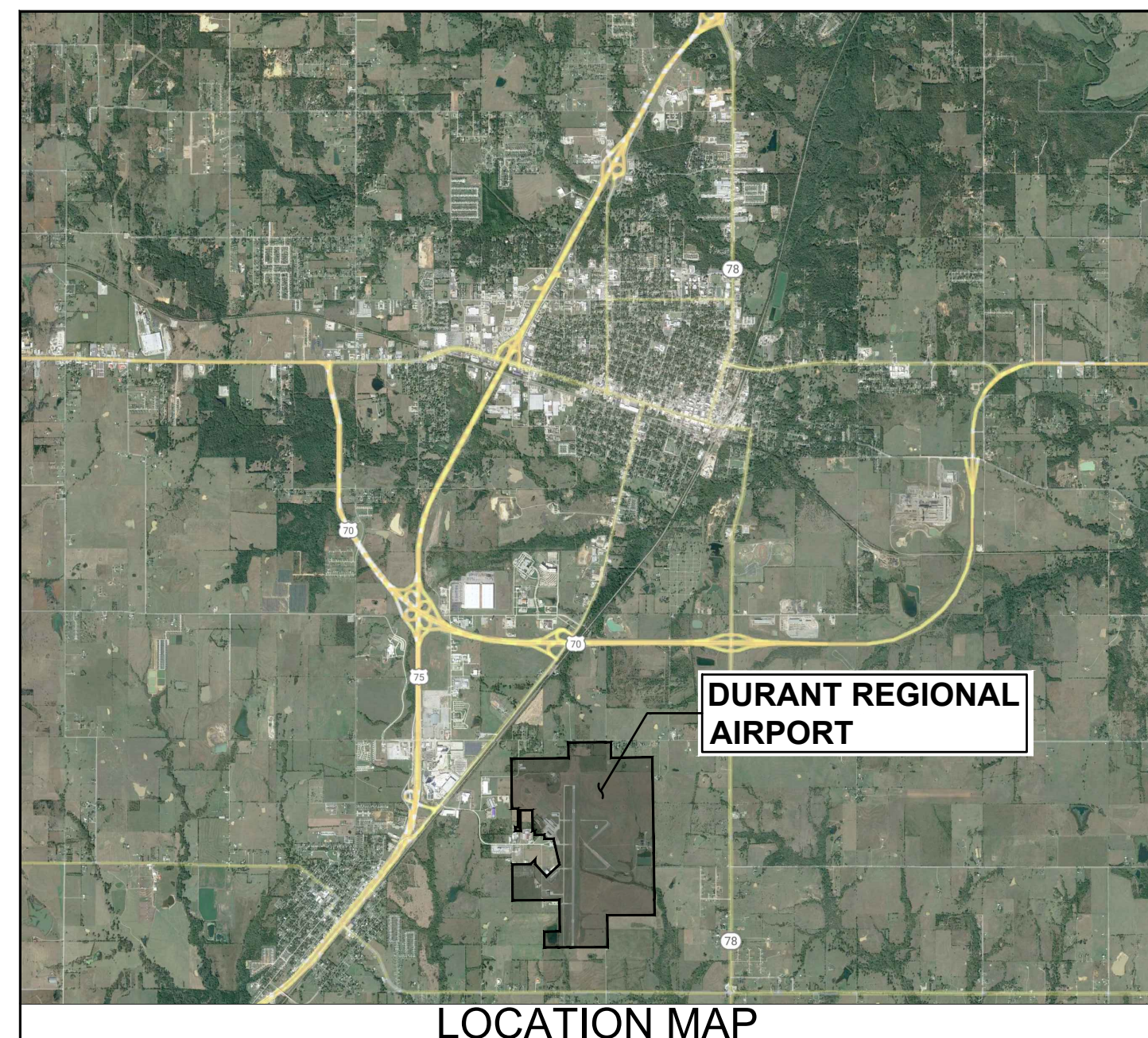
RICK RUMSEY

AIRPORT MANAGER

JOSHUA MATEKOVIC



VICINITY MAP



LOCATION MAP



8866 Synergy Dr.
McKinney, Texas 75070
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www.ksaeng.com

RECOMMENDED BY:

KSA

OKLAHOMA REGISTRATION No. 2175

TREVOR SELF, P.E.
SENIOR PROJECT ENGINEER

DATE

This document is released for the purpose of interim review under the authority of Trevor Self, P.E., 34316, on July 25, 2024. It is not to be used for construction, bidding, or permit purposes.

SUMMARY OF QUANTITIES

Base Bid Schedule 1: Mobilization, General Project Items, and Airport Safety

Item No.	Description	Units	Estimated Quantity	Actual Quantity
1.01	Rock Construction Exit	EA	1	
1.02	Storm Water Pollution Prevention Plan (SWPPP)	LS	1	
1.03	Mobilization, Etc.	LS	1	
1.04	Barricades and Markings for Pavement Closures	LS	1	

Base Bid Schedule 2: 60' x 70' Hangar, Foundation, and Electrical Service

Item No.	Description	Units	Estimated Quantity	Actual Quantity
2.01	Construct 60' x 70' Air Evac Hangar & Interior Utility Services	LS	1	
2.02	Excavation and Select Fill for Hangar Footprint	CY	1,001	
2.03	Electrical Service to Box Hangar	LS	1	
2.04	Service Disconnect (includes equipment, conduit, wire, labor)	LS	1	

Additive Alternate No. 1: Generator + Automatic Transfer Switch

Item No.	Description	Units	Estimated Quantity	Actual Quantity
A - 1.01	Generator + Automatic Transfer Switch (includes Equipment, Conduit, Wire,	LS	1	
A - 1.02	Mobilization, Etc.	LS	1	

Base Bid Schedule 3: Hangar Site Work, Access Drive, and Parking

Item No.	Description	Units	Estimated Quantity	Actual Quantity
3.01	Installation and Removal of Silt Fence	LF	1,500	
3.02	Grate Inlet Protection	LS	6	
3.03	Clearing and Grubbing	AC	2	
3.04	Embankment-In-Place - Offsite Stockpile	CY	1,152	
3.05	Undercut and Replace Unsuitable Subgrade	CY	173	
3.06	8" Lime Treated Subgrade	SY	3,507	
3.07	Lime (6%)	TON	70	
3.08	Chip Seal (Double Treatment)	SY	2,506	
3.09	8.00" Gravel Drive Section	CY	653	
3.10	Fog Seal	GAL	752	
3.11	6.00" PCC Apron Pavement	SY	132	
3.12	Seeding	SY	2,849	
3.13	Sodding (10' Along Edge of Pavement / Hangar + Ditch FL)	SY	2,733	
3.14	Topsoling (Obtained on Site or Removed from Stockpile)	CY	621	
3.15	Access Road Drainage Improvements	LS	1	

Base Bid Schedule 4: Sanitary Sewer Line Utility Extensions

Item No.	Description	Units	Estimated Quantity	Actual Quantity
4.01	4" SDR 26 Sanitary Sewer Pipe, Fittings, and Testing	LF	23	
4.02	Install 4" Sanitary Sewer Cleanout	EA	1	
4.03	Proposed Sewer Service Connection	EA	1	
4.04	Trench and Excavation Safety for Sewer Line	LF	25	
4.05	Sodding	SY	45	
4.06	Prepare Lift Station and Install Existing Grinder Pump, Replacement Cover, and	LS	1	
4.07	Electrical Service to Lift Station	LS	1	
4.08	Service Disconnect (includes equipment, conduit, wire, labor)	LS	1	

Base Bid Schedule 5: Water Line Utility Extensions

Item No.	Description	Units	Estimated Quantity	Actual Quantity
5.01	2" C900 DR-18 PVC Water Pipe and Fittings, Testing and Sterilization	LF	101	
5.02	Tie-in to Existing 6" Waterline	EA	1	
5.03	Trench and Excavation Safety for Water Line	LF	101	
5.04	6" PVC Encasement by Open Cut	LF	85	
5.05	Connect Water Meter to Proposed Line	EA	1	
5.06	Sodding	SY	90	

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CIVIL SHEETS - HANGAR AND ROADWAY SITE	
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C03	SITE GRADING AND DRAINAGE PLAN
C04	STORM DRAINAGE DETAILS
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A0.1	GENERAL NOTES
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A4.1	ROOF PLAN
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E3.2	ELECTRICAL SCHEDULES

SUMMARY OF QUANTITIES - INDEX OF SHEETS

DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA

ASA

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SEAL:
Oklahoma Registration No. 2175
SHEET NO.

G02

GENERAL:

3. THE TERM "CITY" USED THROUGHOUT THE PLANS AND SPECIFICATIONS SHALL REFER TO THE CITY OF DURANT, OKLAHOMA.
2. THE TERM "AIRPORT" USED THROUGHOUT THE PLANS AND SPECIFICATIONS SHALL REFER TO THE DURANT REGIONAL AIRPORT - EAKER FIELD (DUA). THE TERM "AIRPORT" SHALL ALSO BE INTERPRETED TO MEAN "AIRPORT MANAGEMENT AND / OR OPERATIONS STAFF".
3. THE TERM "OWNER" USED THROUGHOUT THE PLANS AND SPECIFICATIONS SHALL REFER TO THE CITY OF DURANT, OK.. THE TERM "OWNER" SHALL ALSO BE INTERPRETED TO MEAN "OWNER'S REPRESENTATIVE". THE TERM "OWNER" MAY ALSO BE USED INTERCHANGEABLY WITH THE TERM "CITY" AND / OR "AIRPORT", AS APPLICABLE.
4. THE AIR OPERATIONS AREA (AOA) IS DEFINED AS ALL AREAS OF THE AIRPORT INSIDE THE PERIMETER FENCE AND INCLUDES, BUT IS NOT LIMITED TO, APRONS, TAXIWAYS, RUNWAYS, AND RUNWAY AND TAXIWAY SAFETY AREAS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HIS OWN PROJECT OFFICE, TOILET FACILITIES, EQUIPMENT, SUPPLIES, AND OTHER INCIDENTALS AND / OR FACILITIES NECESSARY FOR WORK ON THE PROJECT. THE OWNER WILL NOT PROVIDE FACILITIES TO THE CONTRACTOR DURING CONSTRUCTION.
6. ALL EQUIPMENT REQUIRED TO COMPLETE THE PROJECT SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS OF THE PROJECT.
7. THE CONTRACTOR SHALL VIDEO AND / OR PHOTOGRAPH THE ENTIRE WORK AREA AND SURROUNDING AREAS AFTER THE PRE-CONSTRUCTION MEETING AND PRIOR TO MOBILIZATION OF PERSONNEL AND EQUIPMENT. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH ONE COPY OF THE PICTURE(S) AND / OR VIDEO(S) TAKEN. THIS DOCUMENTATION SHALL BE USED TO DETERMINE THE AMOUNT OF DAMAGE, IF ANY, CAUSED TO EXISTING FACILITIES (PAVEMENT, UTILITIES, BUILDINGS, ETC.) BY THE CONTRACTOR AND THE QUALITY OF CONSTRUCTION WHICH SHALL BE REQUIRED FOR THE REPAIRS.
8. WORK SHALL BE ACCOMPLISHED BETWEEN THE HOURS OF 7 A.M. CST TO 6 P.M. CST, MONDAY THROUGH FRIDAY, UNLESS OTHERWISE APPROVED BY THE OWNER.
9. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL HORIZONTAL AND VERTICAL CONSTRUCTION STAKING AS REQUIRED FOR THE PROJECT DEVELOPMENT. CONSTRUCTION STAKING SHALL BE PERFORMED BY THE CONTRACTOR AND SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS OF THE PROJECT.
10. CONSTRUCTION ACCESS AND HAUL ROUTES
 - A. ACCESS TO THE JOB SITE SHALL BE THROUGH DESIGNATED ROUTES AS SHOWN ON THE PLANS.
 - B. ACCESS ROUTES FOR EACH CONSTRUCTION PHASE WILL BE COORDINATED WITH THE OWNER. ACCESS ROUTES DEPICTED ON THE PLANS ARE PRELIMINARY ONLY AND ARE SUBJECT TO APPROVAL AND ADJUSTMENT BY THE OWNER.
 - C. THE PAVEMENTS ON THE ACCESS ROUTES MAY NOT SUPPORT LOADS IMPOSED BY CONSTRUCTION EQUIPMENT OR VEHICLES. THE CONTRACTOR SHALL LIMIT LOADS AS NECESSARY TO PREVENT DAMAGE OR SHALL INCLUDE IN HIS BID ADEQUATE BUDGET TO REPAIR DAMAGE TO THE PAVEMENT.
 - D. AIRCRAFT SHALL ALWAYS HAVE RIGHT OF WAY.
 - E. CONTRACTOR EMPLOYEE PARKING SHALL BE DESIGNATED BY THE OWNER.
 - F. CONSTRUCTION EQUIPMENT AND VEHICLES SHALL NOT EXCEED 15 MPH WITHIN THE AIRPORT PROPERTY.
11. CONSTRUCTION EQUIPMENT AND VEHICLES SHALL TRAVEL A MINIMUM AMOUNT ON PAVEMENTS SO THAT THE PAVEMENT AREAS WILL NOT BE DAMAGED.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE, AS COMPARED TO PRE-CONSTRUCTION CONDITIONS, CAUSED BY THE CONTRACTOR TO ANY EXISTING FACILITIES (PAVEMENTS, UTILITIES, BUILDINGS, ETC.) WHICH WERE NOT DESIGNATED FOR RECONSTRUCTION OR REPLACEMENT. ALL REPAIRS MUST BE MADE TO EQUAL OR BETTER QUALITY AND IN COMPLIANCE WITH THE OWNER, TXDOT, AND / OR FAA REQUIREMENTS - THE STRICTEST OF WHICH WILL APPLY. ALL REPAIR AND REPLACEMENT COSTS FOR DAMAGED FACILITIES SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
13. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION WORK AREA. THE CONTRACTOR SHALL PERFORM CLEANUP OPERATIONS ON A DAILY BASIS.
14. THE CONTRACTOR SHALL PREPARE A FOREIGN OBJECT DEBRIS (FOD) PLAN THAT, AT MINIMUM, WILL INCLUDE A MOTORIZED MECHANICAL SWEEPER THAT SHALL REMAIN ONSITE DURING ALL CONSTRUCTION OPERATIONS ON OR ADJACENT TO PAVEMENTS. THE FOD PLAN SHALL BE PROVIDED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING AND SHALL BE EXPLAINED BY THE CONTRACTOR TO THE MEETING ATTENDEES. THE FOD PLAN IS SUBJECT TO APPROVAL BY THE OWNER. THE FOD PLAN AND ASSOCIATED DAILY ACTIVITIES SHALL BE COORDINATED WITH THE OWNER.
15. IT IS IMPERATIVE THAT A FIRM SUBGRADE BE MAINTAINED IN THE PAVEMENT CONSTRUCTION AREAS AT ALL TIMES. THE CONTRACTOR SHALL SHAPE THE SUBGRADE TO DRAIN AND SHALL PROVIDE, MAINTAIN, AND OPERATE PORTABLE PUMPS AS NECESSARY TO PREVENT THE PONDING OF WATER ON THE SUBGRADE OR BASE COURSE. PUMPING SHALL COMMENCE AS SOON AS POSSIBLE FOLLOWING THE COMPLETION OF A RAINSTORM.
16. NO TRENCHES IN ACTIVE RUNWAY AND TAXIWAY SAFETY AREAS SHALL REMAIN OPEN OVERNIGHT OR WHEN THE CONTRACTOR FINISHES WORK FOR THE DAY IN THE AREA. TRENCHES NOT BACKFILLED SHALL BE COVERED WITH STEEL PLATES TO ALLOW SAFE PASSAGE BY AIRCRAFT ACROSS THE TRENCH, IF APPROVED BY THE AIRPORT MANAGEMENT.
17. THE CONTRACTOR SHALL PROVIDE PORTABLE HAND-HELD 2-WAY RADIOS (AVIATION BAND) SET TO A PREDETERMINED FREQUENCY ALLOWING FLAGMEN, SUPERINTENDENTS, AND THE RPR TO KEEP IN CONSTANT CONTACT WITH THE AIRFIELD TRAFFIC. THE CONTRACTOR SHALL MAINTAIN ALL RADIOS THROUGHOUT THE DURATION OF THE PROJECT. AT THE END OF CONSTRUCTION THE RPR SHALL RETURN THE RADIO SET TO THE CONTRACTOR. MONITOR THE COMMON TRAFFIC ADVISORY FREQUENCY ON 123.05 AT ALL TIMES.
18. IT IS THE INTENT OF THESE PLANS TO MINIMIZE INTERFERENCE TO AIRCRAFT MOVEMENT; THEREFORE, IN ACTIVE PORTIONS OF THE AOA AIRCRAFT MOVEMENT SHALL HAVE THE RIGHT-OF-WAY.
19. AIRPORT SECURITY IS OF UTMOST IMPORTANCE. THE CONTRACTOR SHALL SUPPLY HIS OWN LOCK FOR ACCESS GATES, AND SHALL KEEP THE GATES LOCKED OR GUARDED AT ALL TIMES, EXCEPT FOR THE BRIEF PERIOD REQUIRED FOR PASSAGE OF AUTHORIZED VEHICLES OR EQUIPMENT.
20. FLAG MEN OR ESCORTS WILL BE REQUIRED TO DIRECT THE CONTRACTOR'S TRUCKS AND EQUIPMENT IF OPERATING ON ACTIVE PORTIONS OF THE AOA.
21. ALL WORK SHALL BE IN ACCORDANCE WITH AC 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".
22. GENERAL SAFETY REQUIREMENTS: DURING PERFORMANCE OF THIS CONTRACT, THE AIRPORT RUNWAYS, TAXIWAYS, AND AIRCRAFT PARKING APRONS SHALL REMAIN IN USE BY AIRCRAFT TO THE MAXIMUM EXTENT POSSIBLE. AIRCRAFT USE OF AREAS NEAR THE CONTRACTOR'S WORK WILL BE CONTROLLED TO MINIMIZE DISTURBANCE TO THE CONTRACTOR'S OPERATION. THE CONTRACTOR SHALL NOT ALLOW HIS/HER EMPLOYEES, SUBCONTRACTOR'S SUPPLIERS, OR ANY PERSON OVER WHO HE/SHE HAS CONTROL TO ENTER OR REMAIN IN ANY PART OF THE AIRPORT WHICH WOULD BE HAZARDOUS TO PERSONS OR TO AIRCRAFT OPERATIONS. WHENEVER AIRCRAFT OPERATIONS REQUIRE, THE ENGINEER MAY ORDER THE CONTRACTOR TO SUSPEND OPERATIONS, MOVE PLANT, PERSONNEL, EQUIPMENT, AND MATERIALS TO A SAFE LOCATION AND STAND BY UNTIL AIRCRAFT USE IS COMPLETED.

23. CONTRACTOR SHALL NOTIFY THE RPR AT LEAST 72 HOURS BEFORE ANY NOTAMS ARE REQUIRED. RPR WILL THEN COORDINATE WITH AIRPORT MANAGEMENT TO ENSURE NOTAMS ARE PUBLISHED APPROPRIATELY. ALL OPENINGS AND CLOSURES OF PORTIONS OF THE AOA OR RESTRICTIONS ON AIRPORT OPERATIONS SHALL BE INITIATED AND CANCELED BY THE OWNER.
24. CONSTRUCTION WORKERS WILL NOT BE ALLOWED TO ESTABLISH OVERNIGHT RESIDENCE ON THE PREMISES. ALL CONSTRUCTION WORKERS SHALL LEAVE THE CONSTRUCTION SITE AT THE END OF THEIR WORK PERIOD.
25. WORK CANNOT COMMENCE IN EACH PHASE UNTIL:
 - A. SUFFICIENT BARRICADES ARE IN PLACE TO CONFINE THE WORK AREA AND CREATE A BARRIER BETWEEN AIRCRAFT AND VEHICLE MOVEMENT AREAS AND THE CONSTRUCTION AREA.
 - B. ALL SAFETY EQUIPMENT FOR PERSONNEL AND CONSTRUCTION EQUIPMENT IS IN PLACE AND OPERABLE.
 - C. ALL NOTAM'S ARE ACTIVE.
26. WEEKLY PROGRESS MEETINGS ARE MANDATORY. THE DAY OF THE WEEK FOR THESE MEETINGS MAY BE DETERMINED BY AGREEMENT BETWEEN THE AIRPORT MANAGEMENT, THE RPR AND THE CONTRACTOR. THESE MEETINGS SHALL BE CONDUCTED BY THE RPR.
27. EACH WEEK THE CONTRACTOR SHALL SUBMIT HIS CONSTRUCTION WORK SCHEDULE TO THE ENGINEER, PROJECTING HIS UPCOMING WORK FOR THE NEXT THREE WEEKS. THE ENGINEER, AIRPORT MANAGEMENT, AIR TRAFFIC CONTROL TOWER REPRESENTATIVE AND RESIDENT PROJECT REPRESENTATIVE SHALL REVIEW THIS PLAN WEEKLY WITH THE CONTRACTOR SO THAT INVOLVED PARTIES ARE AWARE OF UPCOMING CONSTRUCTION EVENTS.
28. INTERIM PROJECT SCHEDULES SHALL BE PROVIDED ON THE FIRST OF EACH MONTH AND INCLUDE:
 - A. ORIGINAL BASELINE
 - B. UPDATE TO CURRENT CONSTRUCTION ACTIVITY.
 - C. ADJUSTED CRITICAL PATH, AND TAXIWAY SHUTDOWN DATES TO BE CLEARLY NOTED.
29. THE CONTRACTOR'S PROJECT SUPERINTENDENT SHALL PARTICIPATE IN A COORDINATION MEETING WITH AIRPORT MANAGER, CONTROL TOWER PERSONNEL, AND RPR PRIOR TO COMMENCEMENT OF EACH PHASE.
30. THE CONTRACTOR'S PROJECT SUPERINTENDENT SHALL PARTICIPATE IN A PAVING CONFERENCE TO BE HELD PRIOR TO PLACING THE TEST STRIP.
31. THE CONTRACTOR'S PROJECT SUPERINTENDENT OR OTHER SUPERVISORY PERSONNEL MUST BE ON SITE DURING ALL WORK ACTIVITIES BY EITHER THE CONTRACTOR'S PERSONNEL OR BY ANY SUB-CONTRACTOR.
32. ALL CORRESPONDENCE WITH THE AIRPORT WILL BE MADE THROUGH THE RPR. THE RPR SHALL BE THE POINT OF CONTACT FOR THE CONTRACTOR ON ALL NOTAMS OR OTHER COMMUNICATION.

CONTRACTOR'S STAGING / STORAGE AREA, STOCKPILE AREA, AND DISPOSAL AREAS:

1. STOCKPILES, STAGING / STORAGE AREAS, AND / OR DISPOSAL AREAS SHALL BE AS SHOWN IN THE PLANS, OR AS ADJUSTED IN THE FIELD AND COORDINATED WITH THE OWNER. THESE AREAS SHALL NOT CREATE ANY PONDING OF WATER OR ALTER DRAINAGE PATTERNS OF THE AIRPORT PROPERTY. IF REQUIRED THE CONTRACTOR SHALL PLACE TEMPORARY EROSION CONTROL FENCING AROUND TOPSOIL STOCKPILES TO AVOID SILTING BEYOND THE VICINITY OF THE STOCKPILE.
2. STOCKPILES, STAGING / STORAGE AREAS, AND / OR DISPOSAL AREAS WILL NOT BE PLACED WITHIN ANY WATER OF THE UNITED STATES, INCLUDING WETLANDS, WATERBODIES, AND STREAM BEDS. THESE AREAS SHALL BE CONSTRUCTED IN A MANNER TO PROHIBIT THE RUNOFF OF POLLUTANTS AND CONTROL SILT / SEDIMENT MOVEMENT. ALL WATERWAYS SHALL BE CLEARED AS SOON AS PRACTICAL OF TEMPORARY EMBANKMENTS, TEMPORARY BRIDGES, MATTING, FALSEWORK, PILING, DEBRIS OR OTHER OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT PART OF THE FINISHED WORK.
3. ACCESS TO THE JOB SITE SHALL BE AS SHOWN IN THE PLANS, OR AS ADJUSTED IN THE FIELD AND COORDINATED WITH THE OWNER AND THE OWNER.
4. ALL WASTE AND / OR SPOIL MATERIALS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY BY THE CONTRACTOR IN A LICENSED LANDFILL, UNLESS OTHERWISE NOTED.

UTILITIES:

1. THE CONTRACTOR SHALL ANTICIPATE ALL UNDERGROUND OBSTRUCTIONS SUCH AS, BUT NOT LIMITED TO, WATER MAINS, GAS LINES, STORM AND SANITARY SEWERS, TELEPHONE, ELECTRIC LIGHT, OR POWER DUCTS, CONCRETE, AND DEBRIS. ANY SUCH LINES OR OBSTRUCTIONS INDICATED IN THE PLANS SHOW ONLY THE APPROXIMATE LOCATIONS AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE OWNER AND ENGINEER HAVE ENDEAVORED IN THESE PLANS TO FAMILIARIZE THE CONTRACTOR WITH ALL KNOWN UTILITIES AND OBSTRUCTIONS, BUT THIS SHALL NOT RELIEVE THE CONTRACTOR FROM FULL RESPONSIBILITY IN ANTICIPATING ALL UNDERGROUND OBSTRUCTIONS, WHETHER OR NOT SHOWN IN THE PLANS.
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED TO HAVE THEIR UTILITIES LOCATED AND MARKED IN THE FIELD. ALL UNDERGROUND UTILITIES SHALL THEN BE UNCOVERED BY THE CONTRACTOR TO VERIFY LOCATION AND ELEVATION PRIOR TO COMMENCING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY OWNER IF A UTILITY INSPECTOR MUST BE ON SITE WHEN LOCATING OR EXCAVATING NEAR UTILITIES. THIS SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS OF THE PROJECT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING UP HIS OWN WATER SOURCES WITH THE CITY. ALL CONSTRUCTION WATER WILL BE METERED BY THE CITY-OWNED METERS AND ONLY THOSE METERS. THE CONTRACTOR WILL BE RESPONSIBLE FOR PAYING ALL RELATED FEES TO THE CITY.
4. AT HIS OWN EXPENSE, THE CONTRACTOR SHALL MAINTAIN IN PROPER WORKING ORDER AND WITHOUT INTERRUPTION OF SERVICE ALL EXISTING UTILITIES AND SERVICES WHICH MAY BE ENCOUNTERED IN THE WORK. WITH THE CONSENT OF THE UTILITY OWNER, SUCH SERVICE CONNECTIONS MAY BE TEMPORARILY INTERRUPTED TO PERMIT THE CONTRACTOR TO REMOVE DESIGNATED LINES OR TO MAKE TEMPORARY CHANGES IN THE LOCATIONS OF SERVICES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INSPECTIONS, AS NECESSARY, OF ANY UTILITY WORK BY THE UTILITY OWNER THROUGHOUT THE PROJECT.

ENVIRONMENTAL NOTES:

1. IN THE EVENT THAT UNANTICIPATED ARCHEOLOGICAL DEPOSITS ARE ENCOUNTERED DURING CONSTRUCTION, WORK IN THE IMMEDIATE AREA WILL CEASE AND THE OWNER WILL CONTACT PROFESSIONAL ARCHEOLOGISTS TO INITIATE POST-REVIEW/ DISCOVERY PROCEDURES UNDER THE PROVISIONS OF 36 CFR 800.13.
2. IN THE EVENT THAT UNANTICIPATED HAZARDOUS MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, WORK IN THE IMMEDIATE AREA WILL CEASE, AND THE OWNER SHALL BE NOTIFIED.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND RESTRICTIONS FOR SERVICING AND MAINTAINING EQUIPMENT AND DISPOSAL OF USED LUBRICANTS, ETC.

4. ANY HAZARDOUS WASTE SPILLS SHALL BE IMMEDIATELY REPORTED TO THE OWNER.
5. THE FEDERAL MIGRATORY BIRD TREATY ACT (MBTA) (16 USC §703-711), 50 CFR 10, AND FISH AND GAME CODE §3503 §3513, AND §3800, PROTECT MIGRATORY AND NON-GAME BIRDS, THEIR OCCUPIED NESTS, AND THEIR EGGS. IN THE EVENT THAT MIGRATORY BIRDS ARE ENCOUNTERED ONSITE DURING PROJECT CONSTRUCTION FROM FEBRUARY 15 TO OCTOBER 1, THE CONTRACTOR MUST TAKE REASONABLE CARE TO AVOID IMPACTS TO PROTECTED BIRDS, THEIR OCCUPIED NESTS, AND THEIR EGGS. WHEN MIGRATORY BIRD NESTS ARE DISCOVERED THAT MAY BE ADVERSELY AFFECTED BY CONSTRUCTION ACTIVITIES, OR WHEN A BIRD IS FOUND INJURED OR KILLED AS A RESULT OF CONSTRUCTION ACTIVITY, IMMEDIATELY STOP WORK WITHIN 50 FEET OF THE NEST OR BIRD AND NOTIFY THE OWNER.
- A. IF THERE IS A BURROWING OWL, ON THE NEST, AND THAT OWL DOES NOT LEAVE THE NEST WHEN APPROACHED, ASSUME THERE ARE EGGS OR CHICKS IN THE HOLE REGARDLESS OF THE TIME OF YEAR. NO WORK MAY OCCUR WITHIN 100 FEET OF AN ACTIVE NEST. THE ACTIVE NEST(S) MUST BE PROTECTED BY ORANGE MESH SAFETY FENCING.

DEMOBILIZATION NOTES:

1. CONDITIONS OF THE PROJECT AREA AND SURROUNDING AREAS UPON COMPLETION OF THE JOB SHALL BE AS GOOD AS OR BETTER THAN THE CONDITION PRIOR TO STARTING WORK, IN ADDITION TO THE WORK ITEMS LISTED.
2. THE PROJECT SHALL BE FREE OF ANY CONTRACTOR STOCKPILE MATERIALS UPON COMPLETION OF THE JOB, UNLESS OTHERWISE DIRECTED BY THE OWNER.
3. UPON COMPLETION OF THE PROJECT, ALL HAUL ROUTES SHALL BE PROPERLY CLEANED TO PREVENT OBSTRUCTION AND / OR CAUSE INCONVENIENCE TO NORMAL REGULAR TRAFFIC. ALL TEMPORARY HAUL ROUTES SHALL BE REMOVED.
4. ALL CONSTRUCTION EQUIPMENT AND ANY FACILITIES TEMPORARILY PLACED ON SITE FOR THE PROJECT SHALL BE REMOVED FROM THE SITE.
5. ANY PROPERTIES BELONGING TO THE OWNER SHALL BE RETURNED TO THE OWNER.
6. PROPER DRAINAGE (NO LOCALIZED PONDING) SHALL BE MAINTAINED, PRIOR TO, DURING, AND AFTER MOBILIZATION / DEMOBILIZATION.
7. DEMOBILIZATION SHALL BE COMPLETED TO THE SATISFACTION OF THE OWNER AND SHALL BE COMPLETED IN A MANNER THAT WILL MINIMIZE INCONVENIENCE TO AIRPORT OPERATIONS. ANY DAMAGE TO THE AIRPORT FACILITIES DURING DEMOBILIZATION SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL VIDEO AND / OR PHOTOGRAPH THE ENTIRE WORK AREA AND SURROUNDING AREAS AFTER COMPLETION OF ALL PROJECT CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH ONE COPY OF EACH OF THE PICTURE(S) AND / OR VIDEO(S) TAKEN.

[illegible]

X. INSPECTION REQUIREMENTS

A. Daily/Nightly Inspection

1. The Contractor, RPR and Airport staff will perform onsite inspection throughout the project, with immediate remedy of any deficiencies, whether caused by negligence, oversight, or project scope change.
2. The Contractor will identify a Safety Manager that will be required to inspect daily, all barricades, flashers, and temporary threshold lighting and markings prior to work commencing and prior to leaving the work site. The Contractor will notify the RPR that all inspections have been completed.

B. Periodic Inspections

1. The Airport staff, RPR and Contractor will inspect all closed areas prior to opening to air traffic operations.

XI. UNDERGROUND UTILITIES

The locations of known underground utilities are shown in the construction plan set and are approximate in location.

- A. The Contractor must perform utility locates before construction begins to ensure uninterrupted operation of navigation aids and provide to the RPR and Airport staff documentation demonstrating the performance of the locates.
- B. The Contractor shall notify all utility companies involved to have their utilities located and marked in the field. All underground utilities shall then be uncovered to verify location and elevation before construction begins. The Contractor shall coordinate with the utility owner if the utility inspector must be on site when locating or excavating near utilities. Contractor shall contact the Airport to locate onsite electrical and NAVAID facilities. Contractor shall hand dig within 3 feet of any marked or known utility or underground facility.
- C. If an existing utility is damaged during construction, the Airport, RPR and utility company shall be notified immediately.
- D. Any damaged facilities shall be replaced or repaired in accordance with FAA Specifications or as directed by the Construction Manager.

XII. PENALTIES

A. Construction Suspension

The Contractor will immediately suspend all construction when a Contractor or Subcontractor employee enters the Air Operations Area (AOA) outside of the designated work area. Construction may resume only when the discrepancy is corrected, and training is completed to the satisfaction of the Airport staff.

B. Expulsion of Non-Compliant Employees

The Airport staff may permanently prohibit any Contractor personnel acting in violation of airport rules and regulation from entering or working on airport property.

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XIII. SPECIAL CONDITIONS

A. Airport Emergencies

1. Contractor shall monitor any weather conditions, aircraft emergencies, unexpected emergencies and other elements that may cause safety on the project to be jeopardized.
2. Airport staff will immediately clear all construction personnel of all runways and approach areas upon monitoring a distress call.
3. If an aircraft accident occurs, all construction personnel will immediately vacate the Air Operations Area until Airport Staff provide permission to resume access to the work area.

XIV. RUNWAY AND TAXIWAY VISUAL AIDS

All stages of construction requiring closure of airfield pavement shall be clearly delineated by low profile barricades, secured in place to prevent movement. Lighted, weighted cones may be used for nightly closures in lieu of low profile barricades.

During closure of the runway and taxiways, lighting will be taken offline.

All markings shall be in compliance with AC 150/5340-1M *"Standards for Airport Markings."*

XV. MARKING AND SIGNS FOR ACCESS ROUTES

The haul route shall be marked with signage as necessary to prevent vehicles from straying from the route. Haul route crossings of taxiway/taxilane pavement will require stop signs. No temporary roadway markings will be required. Haul routes and other activities on the airport by the Contractor and Subcontractors shall be coordinated with and approved in advance by the Airport staff. Temporary traffic signs to delineate the haul route shall meet the MUTCD standards, including but not limited to the fragility and height requirements. The haul route is illustrated in the construction drawings.

XVI. HAZARD MARKING AND LIGHTING

A. Barricades

Barricades or cones shall be used to prevent aircraft from entering closed areas and to prevent construction personnel from entering areas open to aircraft. In addition, hazard markings and lighting shall be provided to identify open areas (manholes, trenches, open excavations, etc.) and stockpiled material. Barricades shall be low profile, spaced no greater than 4' apart, weighted to prevent movement and lighted with red lights. Contractor shall check barricades and lights every morning upon arrival and every evening prior to exiting the job site. Contractor shall replace non-functioning lights immediately. Barricades shall be no more than 18" high.

B. Emergency Maintenance

A contractor's representative shall be on call 24 hours a day for emergency maintenance of airport hazard lighting and barricades.

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XVII. WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION (IF APPLICABLE)

A. Lighting of Area

Lighting equipment must adequately illuminate the work area if any work is performed during nighttime hours. It is recommended that all support vehicles, except haul trucks, be equipped with artificial illumination to safely illuminate the area immediately surrounding their work areas. Lights should be positioned to provide the most natural color illumination and contrast with a minimum of shadows. Light towers shall be positioned to aim away from ATCT cabs and active runways to prevent blinding effects. Placement of lights must be approved by the Airport Manager prior to utilization. Light towers shall be removed from the construction site when the area is reopened to aircraft traffic.

XVIII. PROTECTION OF RUNWAY AND TAXIWAY SAFETY AREAS

A. Runway Safety Area (RSA)

No construction activities or material stockpile shall occur within an active RSA. The Contractor will be required to mark the Runway 17-35 Safety Area, for appropriate phases, prior to construction. The RSA is 500 ft. wide.

B. Runway Object Free Area (ROFA)

No material stockpile shall occur within an active ROFA. The ROFA for Runway 17/35 is 800 feet wide.

C. Taxiway Object Free Area (TOFA)

No construction activities or material stockpile shall occur within an active TOFA. The TOFA is 131 feet wide for this project.

D. Obstacle Free Zone (OFZ)

No construction activities or material stockpile shall penetrate the OFZ.

E. Runway approach/departure surface

No construction activities or material stockpile shall penetrate the approach/departure surface.

F. Open Trenches

No open trenches will be permitted within an open RSA or TSA. The Contractor shall prominently mark any open trench or excavation at the construction site with lighted barricades. If open trenches cannot be backfilled prior to opening a runway or taxiway, they must be covered utilizing a method approved by the Engineer.

G. Equipment must be removed from the ROFA and TOFA when not in use.

Durant Regional Airport
Air Evac Hangar Project
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XIX. OTHER LIMITATIONS ON CONSTRUCTION

A. Prohibitions

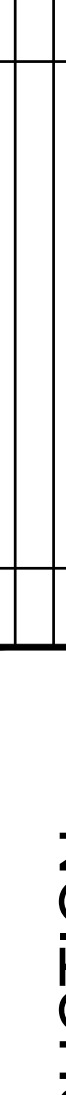
1. The use of equipment over 15' tall is prohibited unless the Contractor submits a 7460-1 determination letter.
2. The use of open flames is not allowed without approval of the owner.
3. The use of explosives is prohibited.

B. Restrictions

1. Any construction suspension required during specific airport operations will be coordinated by the Engineer, Owner, and Contractor during construction.
2. Seasonal construction restrictions will be coordinated by the Engineer, Owner, and the Contractor during construction.

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Air Evac Hangar Project
Construction Safety and Phasing Plan (CSPP)

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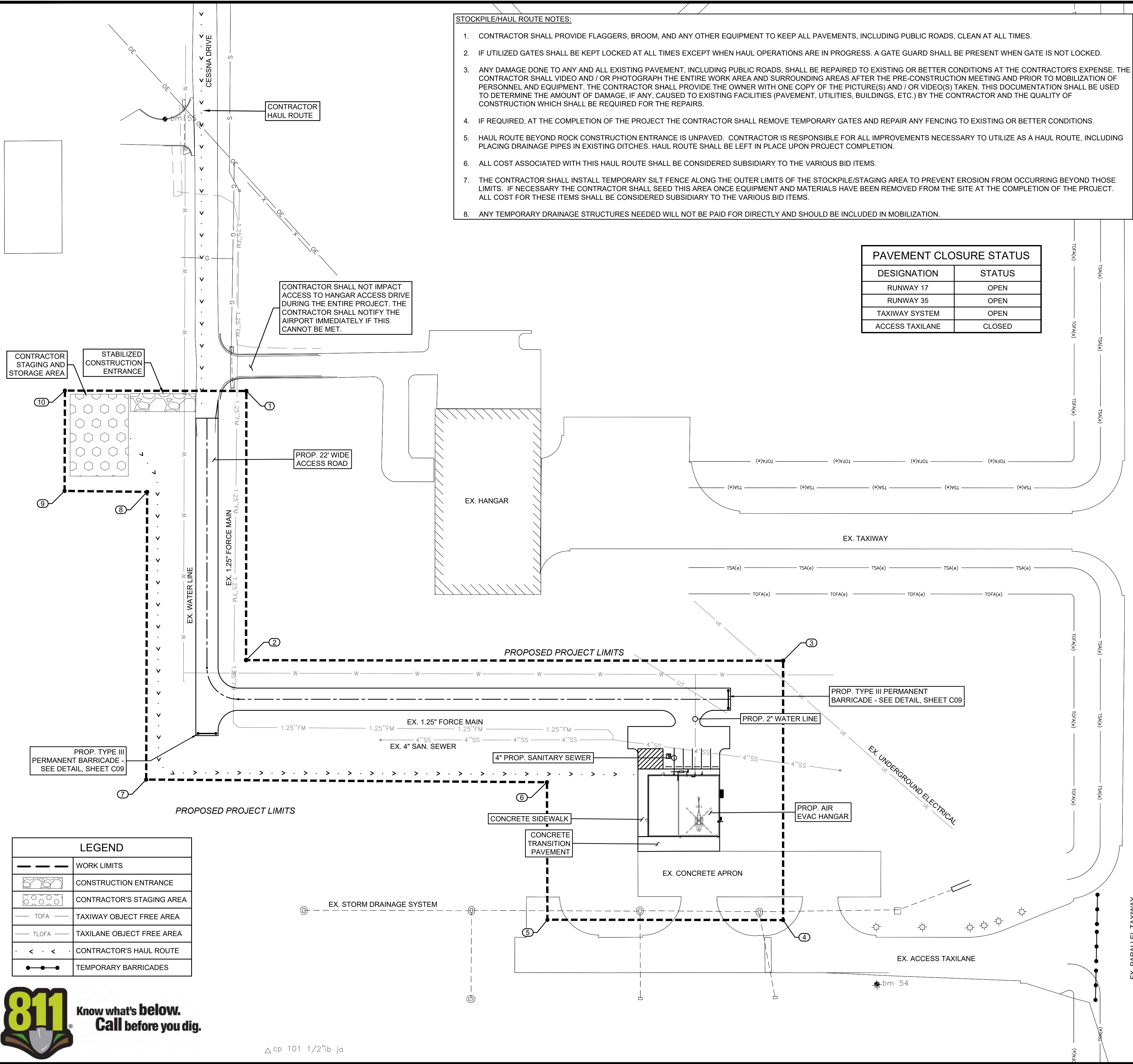
\\ksa-net\gateway\projects\101421\008 CAD\30 SHEETS\02 CIVIL\101421-C1-OPROJ\0001.DWG | PROJ | 7/26/2024 - 1:31 PM : LAST SAVED BY: A.JONES



Know what's below.
Call before you dig.

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LEGEND	
	WORK LIMITS
	CONSTRUCTION ENTRANCE
	CONTRACTOR'S STAGING AREA
	TAXIWAY OBJECT FREE AREA
	TAXILANE OBJECT FREE AREA
	CONTRACTOR'S HAUL ROUTE
	TEMPORARY BARRICADES

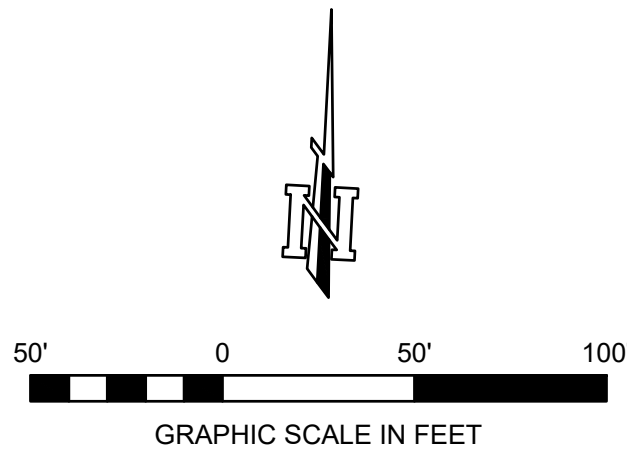


STOCKPILE/HAUL ROUTE NOTES:

1. CONTRACTOR SHALL PROVIDE FLAGGERS, BROOM, AND ANY OTHER EQUIPMENT TO KEEP ALL PAVEMENTS, INCLUDING PUBLIC ROADS, CLEAN AT ALL TIMES.
2. IF UTILIZED GATES SHALL BE KEPT LOCKED AT ALL TIMES EXCEPT WHEN HAUL OPERATIONS ARE IN PROGRESS. A GATE GUARD SHALL BE PRESENT WHEN GATE IS NOT LOCKED.
3. ANY DAMAGE DONE TO ANY AND ALL EXISTING PAVEMENT, INCLUDING PUBLIC ROADS, SHALL BE REPAIRED TO EXISTING OR BETTER CONDITIONS AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL VIDEO AND / OR PHOTOGRAPH THE ENTIRE WORK AREA AND SURROUNDING AREAS AFTER THE PRE-CONSTRUCTION MEETING AND PRIOR TO MOBILIZATION OF PERSONNEL AND EQUIPMENT. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH ONE COPY OF THE PICTURE(S) AND / OR VIDEO(S) TAKEN. THIS DOCUMENTATION SHALL BE USED TO DETERMINE THE AMOUNT OF DAMAGE, IF ANY, CAUSED TO EXISTING FACILITIES (PAVEMENT, UTILITIES, BUILDINGS, ETC.) BY THE CONTRACTOR AND THE QUALITY OF CONSTRUCTION WHICH SHALL BE REQUIRED FOR THE REPAIRS.
4. IF REQUIRED, AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL REMOVE TEMPORARY GATES AND REPAIR ANY FENCING TO EXISTING OR BETTER CONDITIONS.
5. HAUL ROUTE BEYOND ROCK CONSTRUCTION ENTRANCE IS UNPAVED. CONTRACTOR IS RESPONSIBLE FOR ALL IMPROVEMENTS NECESSARY TO UTILIZE AS A HAUL ROUTE, INCLUDING PLACING DRAINAGE PIPES IN EXISTING DITCHES. HAUL ROUTE SHALL BE LEFT IN PLACE UPON PROJECT COMPLETION.
6. ALL COST ASSOCIATED WITH THIS HAUL ROUTE SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.
7. THE CONTRACTOR SHALL INSTALL TEMPORARY SILT FENCE ALONG THE OUTER LIMITS OF THE STOCKPILE/STAGING AREA TO PREVENT EROSION FROM OCCURRING BEYOND THOSE LIMITS. IF NECESSARY THE CONTRACTOR SHALL SEED THIS AREA ONCE EQUIPMENT AND MATERIALS HAVE BEEN REMOVED FROM THE SITE AT THE COMPLETION OF THE PROJECT. ALL COST FOR THESE ITEMS SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.
8. ANY TEMPORARY DRAINAGE STRUCTURES NEEDED WILL NOT BE PAID FOR DIRECTLY AND SHOULD BE INCLUDED IN MOBILIZATION.

PAVEMENT CLOSURE STATUS

DESIGNATION	STATUS
RUNWAY 17	OPEN
RUNWAY 35	OPEN
TAXIWAY SYSTEM	OPEN
ACCESS TAXILANE	CLOSED



NOTE:

CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF ALL UTILITIES PRIOR TO ANY EXCAVATION TAKING PLACE.

PROJECT SCOPE AND BID SCHEDULE:

BASE BID - HANGAR:

- CONSTRUCT AIREVAC HANGAR BUILDING
- CONSTRUCT CONCRETE APRON TRANSITIONAL PAVEMENT AND SIDEWALK
- CONSTRUCT DRAINAGE IMPROVEMENTS

BASE BID - UTILITIES:

- CONSTRUCT WATER LINE
- CONSTRUCT SANITARY SEWER LINE
- CONSTRUCT ELECTRICAL ELEMENTS

PHASE 1: 60' X 70' HANGAR WITH OFFICE SPACE CONSTRUCTION & INFRASTRUCTURE INSTALLATION

WORK DAYS FOR THIS PHASE - 240 CALENDAR DAYS

1. THIS PHASE DOES NOT REQUIRE RUNWAY OR TAXIWAY CLOSURES. TAXILANE THAT HANGAR IS BEING CONSTRUCTED ALONG SHALL BE CLOSED FOR THE DURATION OF THE PROJECT.
2. PRIOR TO BEGINNING WORK IN THIS PHASE, THE AIRPORT WILL ISSUE THE APPROPRIATE NOTAM THAT MEN, MATERIALS, AND MACHINERY WILL BE IN SPECIFIC CONSTRUCTION AREAS FOR THE DURATION OF THIS PHASE. NO RSA NOTAMS ARE REQUIRED WHEN OUTSIDE OF THE RUNWAY SAFETY AREA UNLESS TRANSITIONAL SURFACE IS ENCRoACHED.
3. CONTRACTOR SHALL NOT BE WITHIN THE TAXIWAY OBJECT FREE AREA, TAXILANE OBJECT FREE AREA OR RUNWAY SAFETY AREA AT ANY TIME DURING THE PROJECT.
4. PERFORM UTILITY LOCATES.
5. INSTALL APPROPRIATE EROSION CONTROL DEVICES PRIOR TO BEGINNING SOIL DISTURBING ACTIVITIES. (SEE EROSION CONTROL SHEETS).
6. WORK ACTIVITIES WITHIN LIMITS OF WORK AREA FOR THIS PHASE INCLUDE:
 - INSTALL TEMPORARY AIR AND WATER POLLUTION, SOIL EROSION & SILTATION CONTROL MEASURES.
 - PERFORM INITIAL GRADING OPERATIONS TO SUBGRADE ELEVATIONS.
 - INSTALL ALL DRAINAGE COMPONENTS.
 - PERFORM SUBGRADE STABILIZATION FOR THE HANGAR PAVEMENT AND ACCESS DRIVE.
 - INSTALL PCC SURFACE COURSE FOR THE APRON TRANSITION.
 - REINSTALL THE STOCKPILED TOPSOIL WITHIN THE PHASING LIMITS.
 - INSTALL ABOVE GROUND ELECTRICAL COMPONENTS.
 - CONSTRUCT HANGAR PER ARCHITECTURAL DRAWINGS.
 - INSTALL VEGETATIVE COVER IN ALL DISTURBED AREAS DURING THIS PHASE.
 - STRIP AND STOCKPILE THE EXISTING TOPSOIL WITHIN THE PHASING LIMITS.
 - TRENCHING AND PLACEMENT OF EMBEDMENT FOR WATER AND SEWER LINES.
 - INSTALLATION OF WATER LINE AND SEWER LINE WHERE SHOWN.
 - INSTALLATION OF WATER VALVES.
 - INSTALLATION OF SANITARY MANHOLES.
 - PERFORM ELECTRICAL IMPROVEMENTS PER EU-101 TO EU-XXX.
7. AT THE COMPLETION OF THE ITEMS ABOVE, COORDINATE WITH THE AIRPORT MANAGER TO OPEN WORK AREA AND ACCESS ROUTES. FOLLOW STEPS BELOW:
 - CLEAN ALL PAVED SURFACES TO REMOVE FOD
 - REMOVE (IF ANY) LOW PROFILE BARRICADES
 - REMOVE ALL EQUIPMENT, MATERIALS, AND PERSONNEL FROM WORK AREA
8. COORDINATE WITH THE AIRPORT TO CANCEL ALL NOTAMS THE AIRPORT ISSUED.
9. REFER TO PAVEMENT CLOSURE TABLE FOR AIRFIELD PAVEMENT OPEN/CLOSED STATUS FOR THIS PHASE.

WORK LIMITS AND CONTROL TABLE

POINT NO.	LATITUDE	LONGITUDE	NORTHING	EASTING	ELEV	DESCRIPTION
1	N33° 56' 12.50"	W96° 23' 57.56"	223467.62	2454001.96	696.9	LIMITS
2	N33° 56' 09.86"	W96° 23' 57.58"	223201.28	2454004.39	697.4	LIMITS
3	N33° 56' 09.83"	W96° 23' 51.28"	223206.17	2454535.55	690.3	LIMITS
4	N33° 56' 07.29"	W96° 23' 51.30"	222949.64	2454538.19	693.6	LIMITS
5	N33° 56' 07.31"	W96° 23' 54.06"	222947.50	2454305.07	696.1	LIMITS
6	N33° 56' 08.65"	W96° 23' 54.06"	223083.61	2454303.22	696.0	LIMITS
7	N33° 56' 08.70"	W96° 23' 58.77"	223082.13	2453906.83	699.7	LIMITS
8	N33° 56' 11.52"	W96° 23' 58.73"	223366.74	2453904.88	697.8	LIMITS
9	N33° 56' 11.53"	W96° 23' 59.70"	223366.81	2453823.20	698.0	LIMITS
10	N33° 56' 12.51"	W96° 23' 59.69"	223466.06	2453822.53	698.0	LIMITS
101	N33° 56' 06.04"	W96° 23' 57.36"	222814.59	2454029.89	702.0	CONTROL POINT
102	N33° 56' 06.66"	W96° 23' 50.20"	222887.32	2454631.58	692.7	BENCHMARK
103	N33° 56' 15.16"	W96° 23' 58.50"	223735.63	2453918.64	697.1	BENCHMARK

DATE	REVISION	MARK

PROJECT LAYOUT
AND PHASING PLAN

DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA

DRAWN BY:	AJ
DESIGNED BY:	TS
LATEST REVISION:	02/21/2024
KSA JOB NO.:	101421



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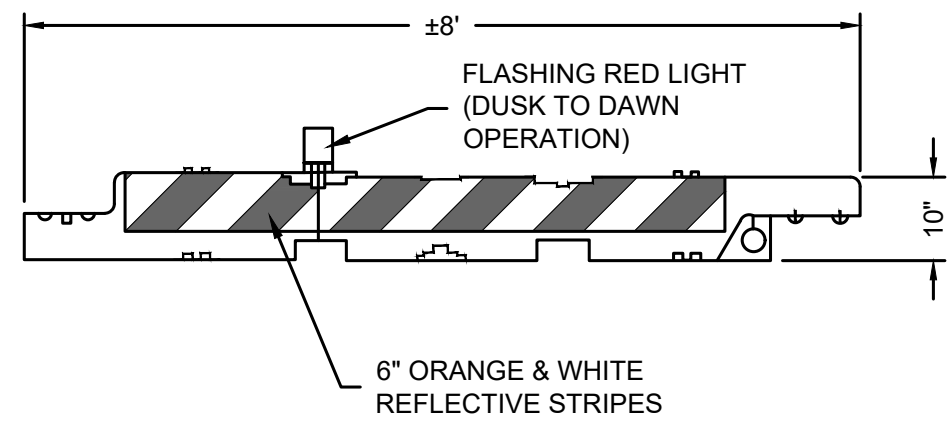
SEAL:
Oklahoma Registration No. 2175
SHEET NO.

C01

PROJECT NAME: 101421 - DURANT REGIONAL AIRPORT - AIR EVAC HANGAR DEVELOPMENT PROJECT - DURANT, OKLAHOMA

SHEET NAME:

PROJECT NAME:



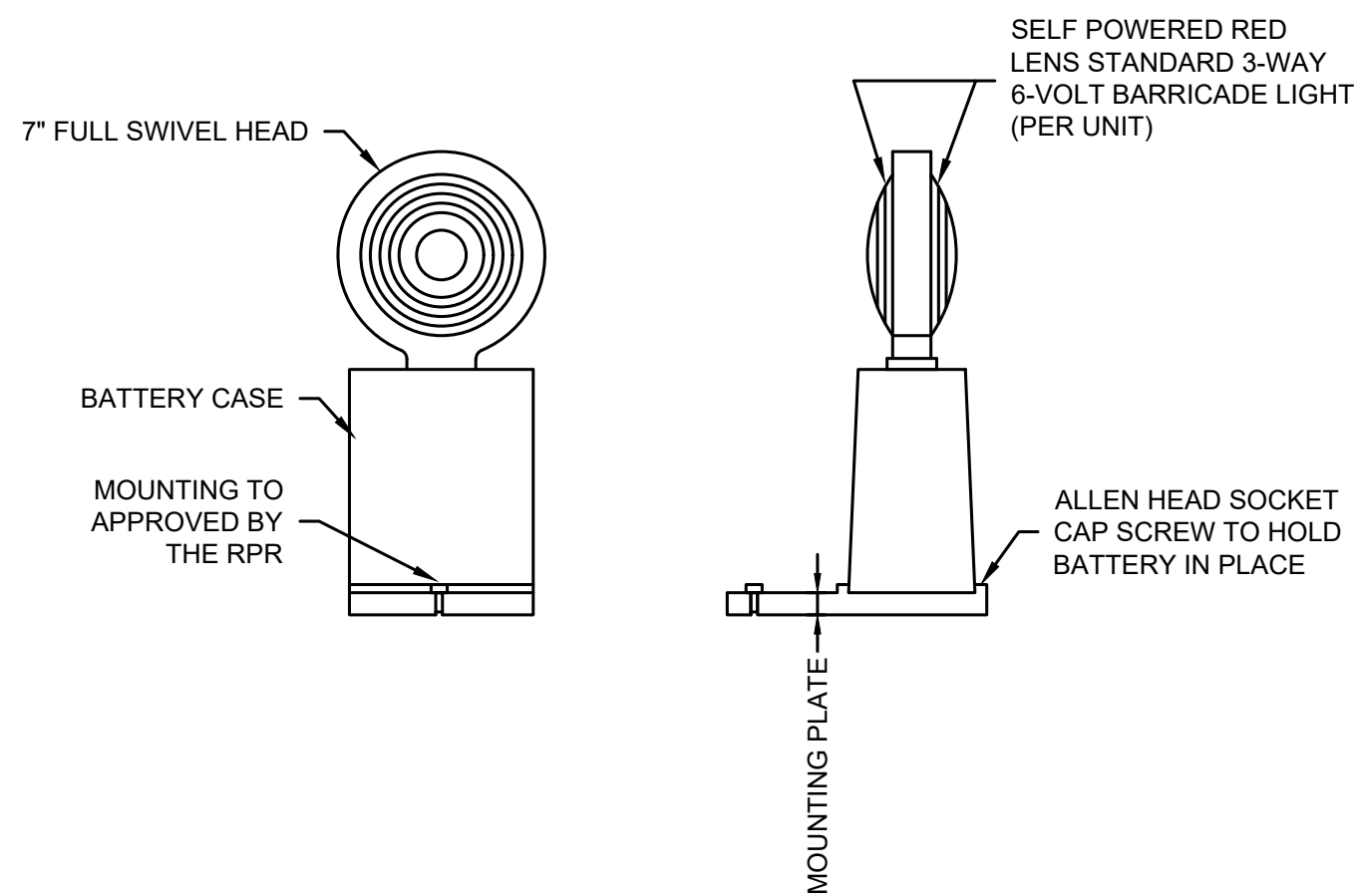
NOTES:

1. LIGHTED BARRICADES SHALL BE PROVIDED, INSTALLED, AND MAINTAINED BY CONTRACTOR.
2. BARRICADE LIGHTING SHALL BE SPACED NOT TO EXCEED 20' ON CENTER AND SPACING BETWEEN BARRICADES NOT EXCEEDING 10'.
3. BARRICADES SHALL BE REQUIRED AROUND ALL EXCAVATIONS WHICH EXCEED 3" IN DEPTH BELOW ADJACENT PAVEMENT AND IN LOCATIONS SHOWN.
4. CONTRACTOR SHALL CHECK LAYOUT AND LIGHTS EACH DAY TO ENSURE BARRICADES ARE FUNCTIONING CORRECTLY.
5. OTHER METHODS FOR PROVIDING PAVEMENT BARRICADES MAY BE ACCEPTABLE, IF APPROVED BY ENGINEER. ALTERNATE METHODS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.

1 TEMPORARY WATER FILLED LOW-PROFILE BARRICADE

N.T.S.

SPACE NOT USED



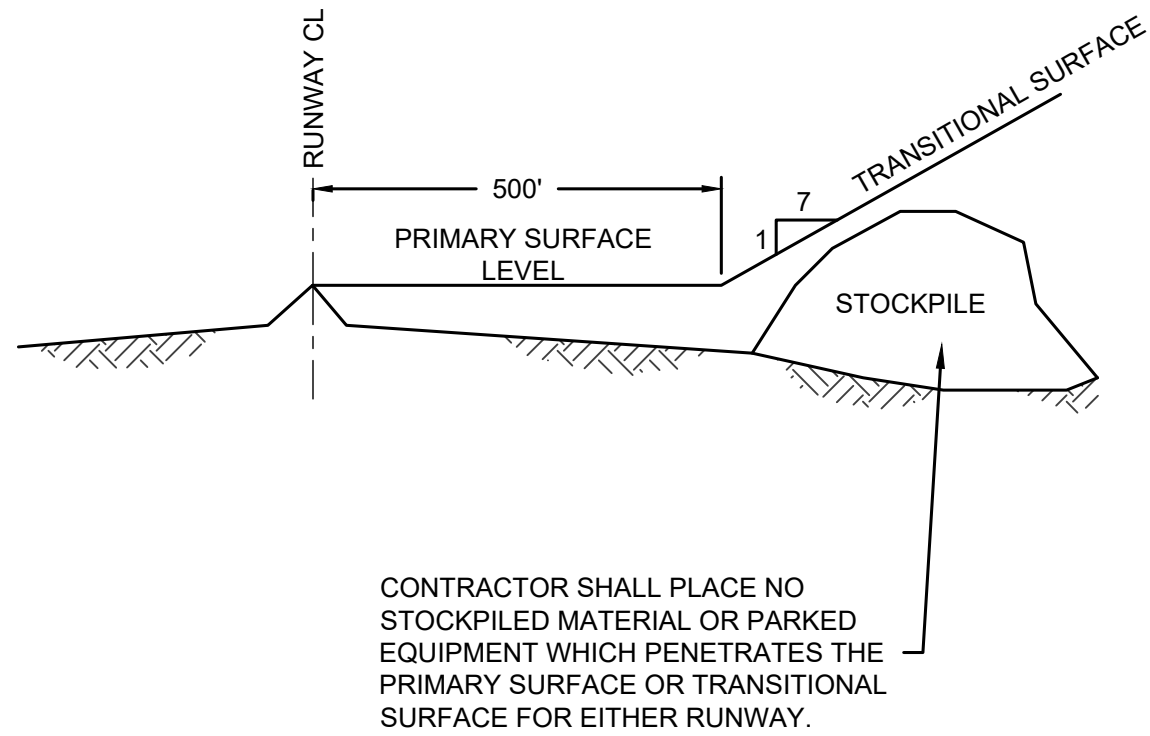
NOTES:

1. LIGHTS SHALL BE FLASHING RED FROM DUSK TO DAWN OPERATION.

2 RED BARRICADE LIGHT DETAIL

N.T.S

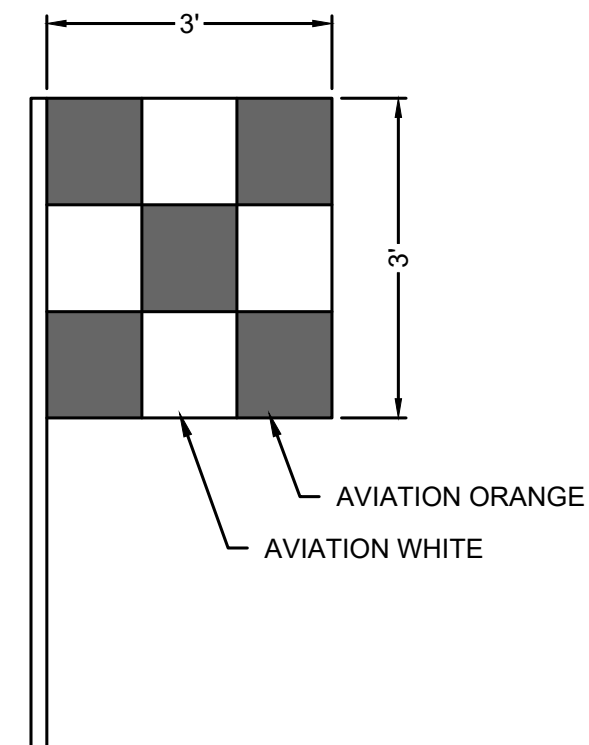
SPACE NOT USED



3 PART 77 PRIMARY AND TRANSITIONAL SURFACES (X-SEC.)

N.T.S.

SPACE NOT USED



NOTES:

1. VEHICLE FLAGGING REQUIRED FOR THE OBJECTS SUCH AS BULLDOZERS, SCRAPERS, FRONT END LOADERS, EXCAVATORS, CRANES, CONCRETE PUMP BOOMS, ETC.
2. VEHICLE FLAGGING NOT REQUIRED FOR CONSTRUCTION EQUIPMENT SUCH AS PICKUP TRUCKS, DUMP TRUCKS, CONCRETE TRUCKS, ETC., IF THEY ARE EQUIPPED WITH ORANGE FLASHING LIGHTS PER FAA AC150/5370-2G.

4 VEHICLE FLAG DETAIL

N.T.S.

SPACE NOT USED

[illegible]

PHASING DETAILS

DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA

SHEET NAME:

PROJECT NAME:

DRAWN BY:	AJ
DESIGNED BY:	TS
LATEST REVISION:	02/21/2024
KSA JOB NO.:	101421



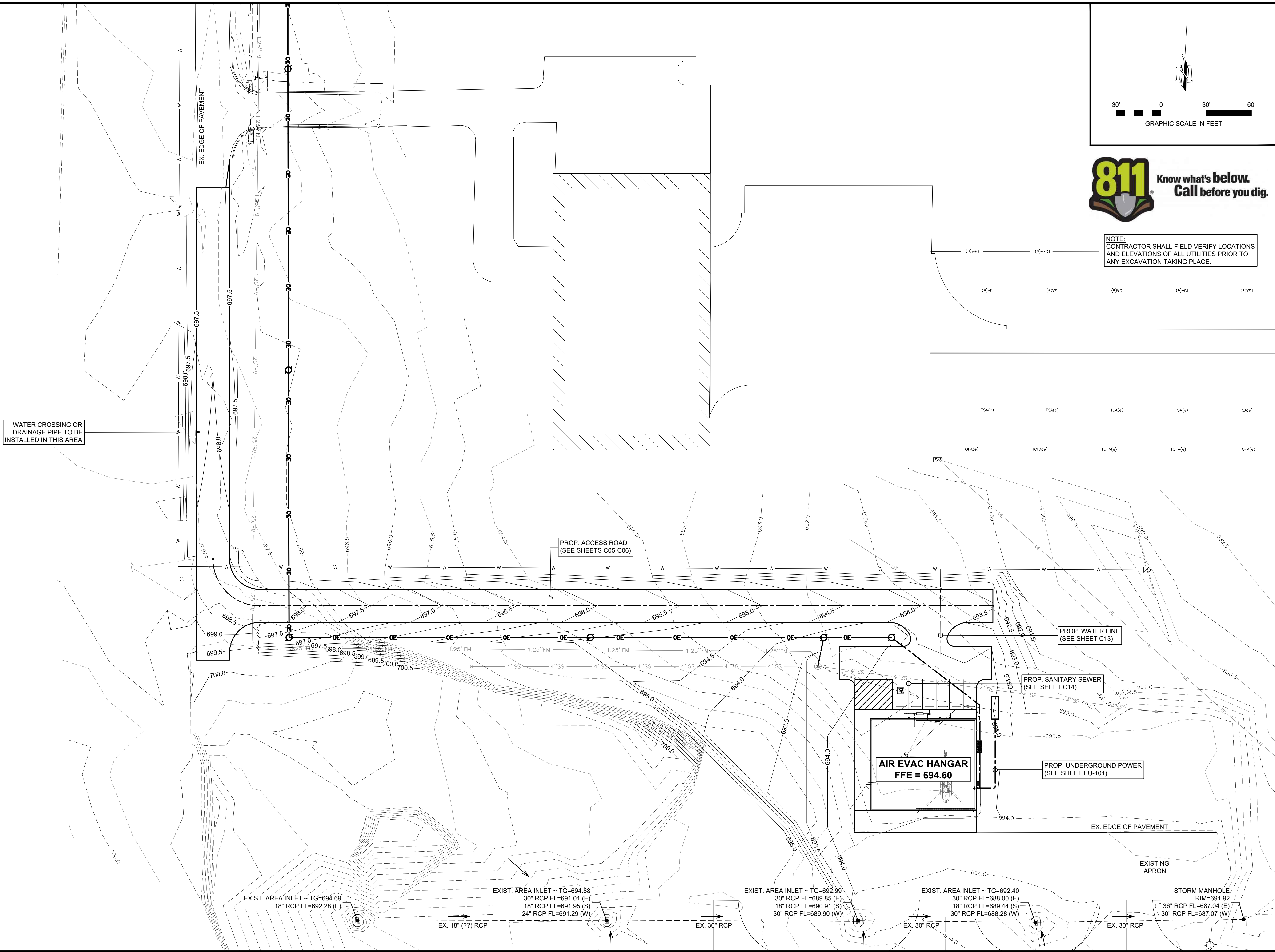
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SHEET NO.

C02

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NOTE:
CONTRACTOR SHALL FIELD VERIFY LOCATIONS
AND ELEVATIONS OF ALL UTILITIES PRIOR TO
ANY EXCAVATION TAKING PLACE.

DRAWN BY:
AJ

DESIGNED BY:
TS

LATEST REVISION:
02/21/2024

KSA JOB NO.:
101421

DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA

SITE GRADING AND
DRAINAGE PLAN

C03

PROJECT NAME:
101421 - DURANT REGIONAL AIRPORT - AIR EVAC HANGAR DEVELOPMENT PROJECT - DURANT, OKLAHOMA

SHEET NAME:

REVISION

DATE

SEAL:
Oklahoma Registration No. 2175

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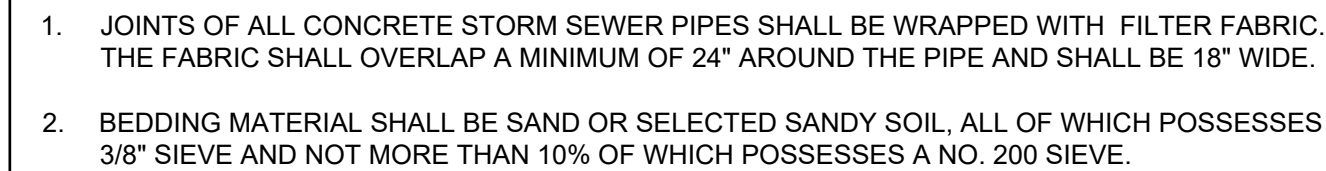
101421

101421 - DURANT REGIONAL AIRPORT - AIR EVAC HANGAR DEVELOPMENT PROJECT - DURANT, OKLAHOMA

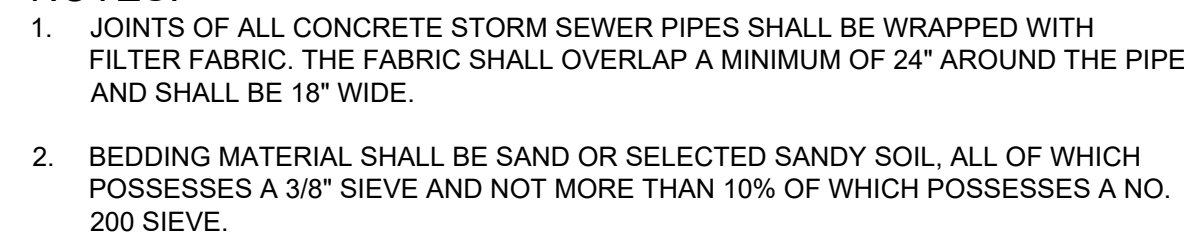
Page 14 of 52



A TxDOT STANDARD PRECAST SAFETY END
TREATMENT MAY BE USED WITH THE CITY'S APPROVAL.



**STORM SEWER TRENCH AND
BACKFILL DETAIL**
(OUTSIDE PAVED AREA)



STORM SEWER TRENCH AND
BACKFILL DETAIL
(UNDER PROPOSED PAVEMENT)

N.T.S.

SPACE NOT USED

SPACE NOT USED

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C04

STORM DRAINAGE DETAILS

DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
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DURANT, OKLAHOMA

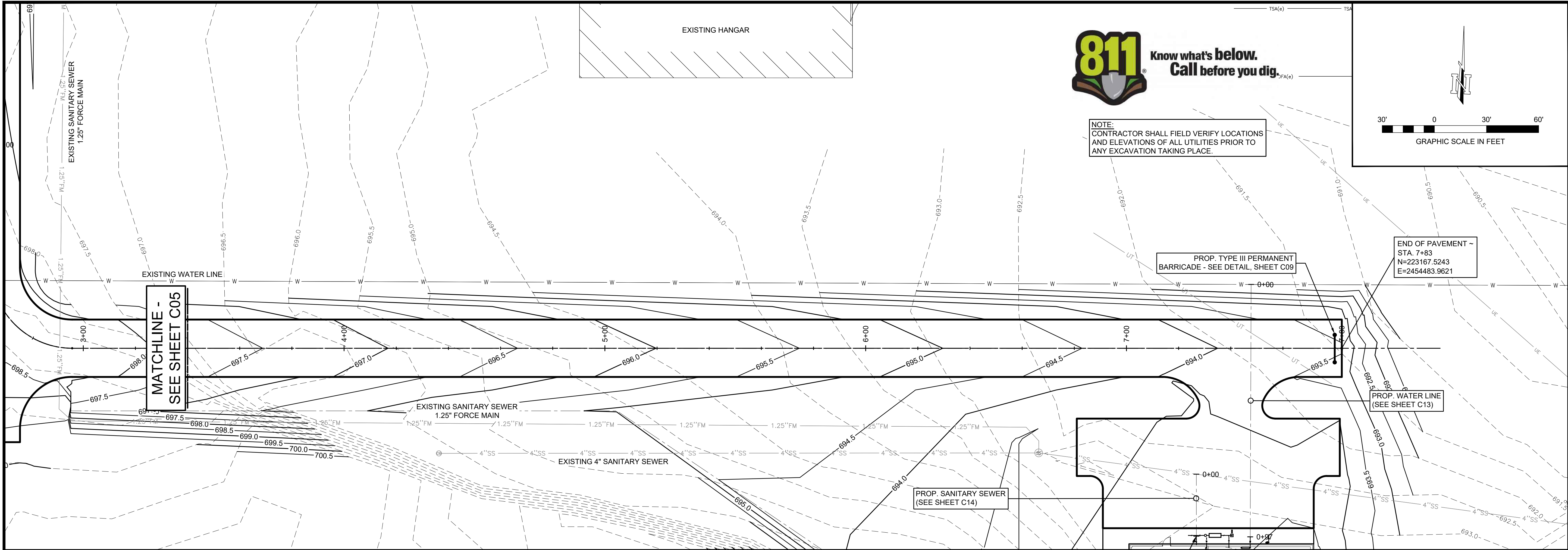
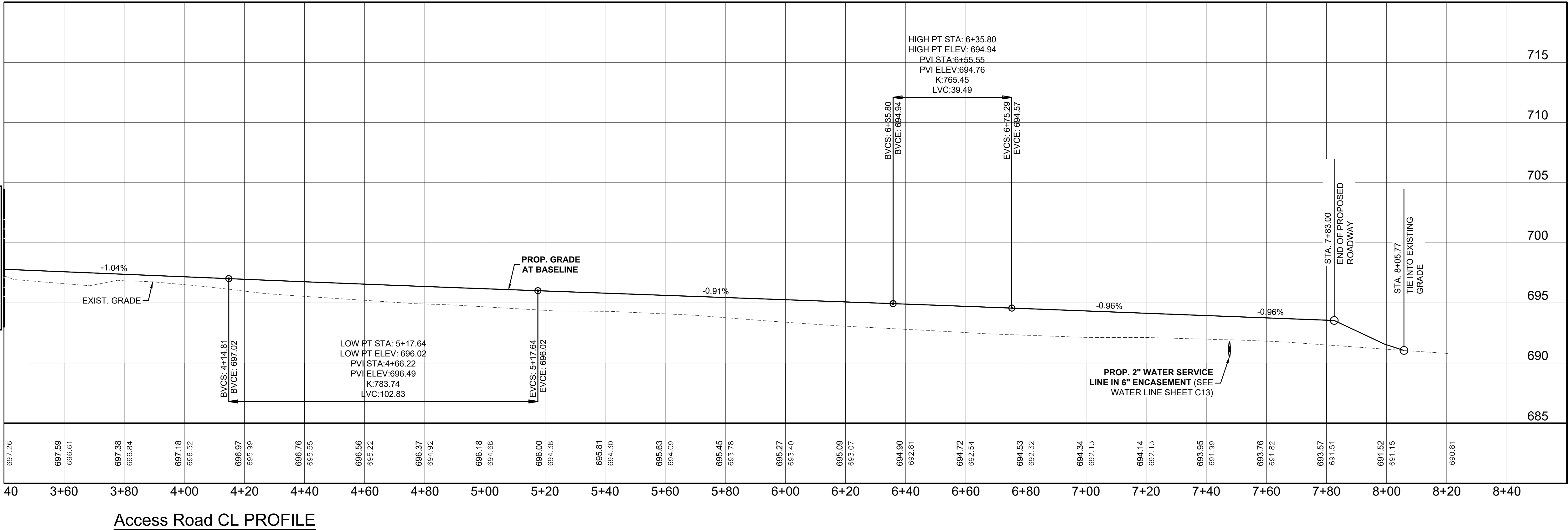
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PROJECT NAME:

MARK	REVISION	DATE

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MATCHLINE -
SEE SHEET C05



DRAWN BY:
AJ

DESIGNED BY:
TS

LATEST REVISION:
02/21/2024

KSA JOB NO.:
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DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA

101421 - DURANT REGIONAL AIRPORT - AIR EVAC HANGAR DEVELOPMENT PROJECT - DURANT, OKLAHOMA

PROJECT NAME:
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C06

ACCESS ROADWAY
PLAN AND PROFILE 2

REVISION
DATE

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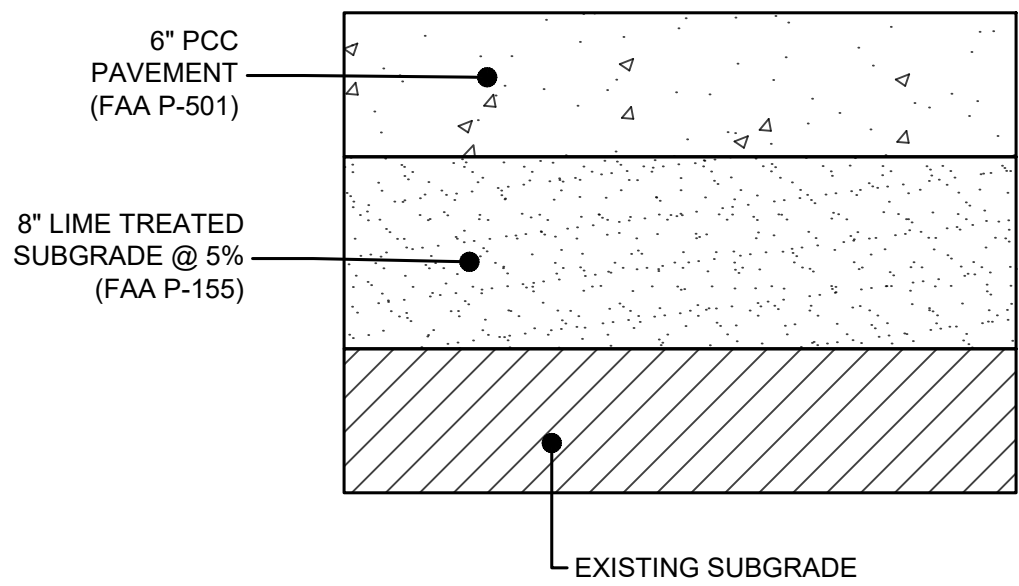
Page 17 of 52

\\KSA-NET\GATEWAY\PROJECTS\10142\1008\CAD\30 SHEETS\02 CIVIL\101421-C-07-PAVE.DWG | PAVE DTLS | 7/26/2024 - 1:33 PM | LAST SAVED BY: A.ONES

1

CONCRETE TRANSITION TO APRON PAVEMENT SECTION

N.T.S.

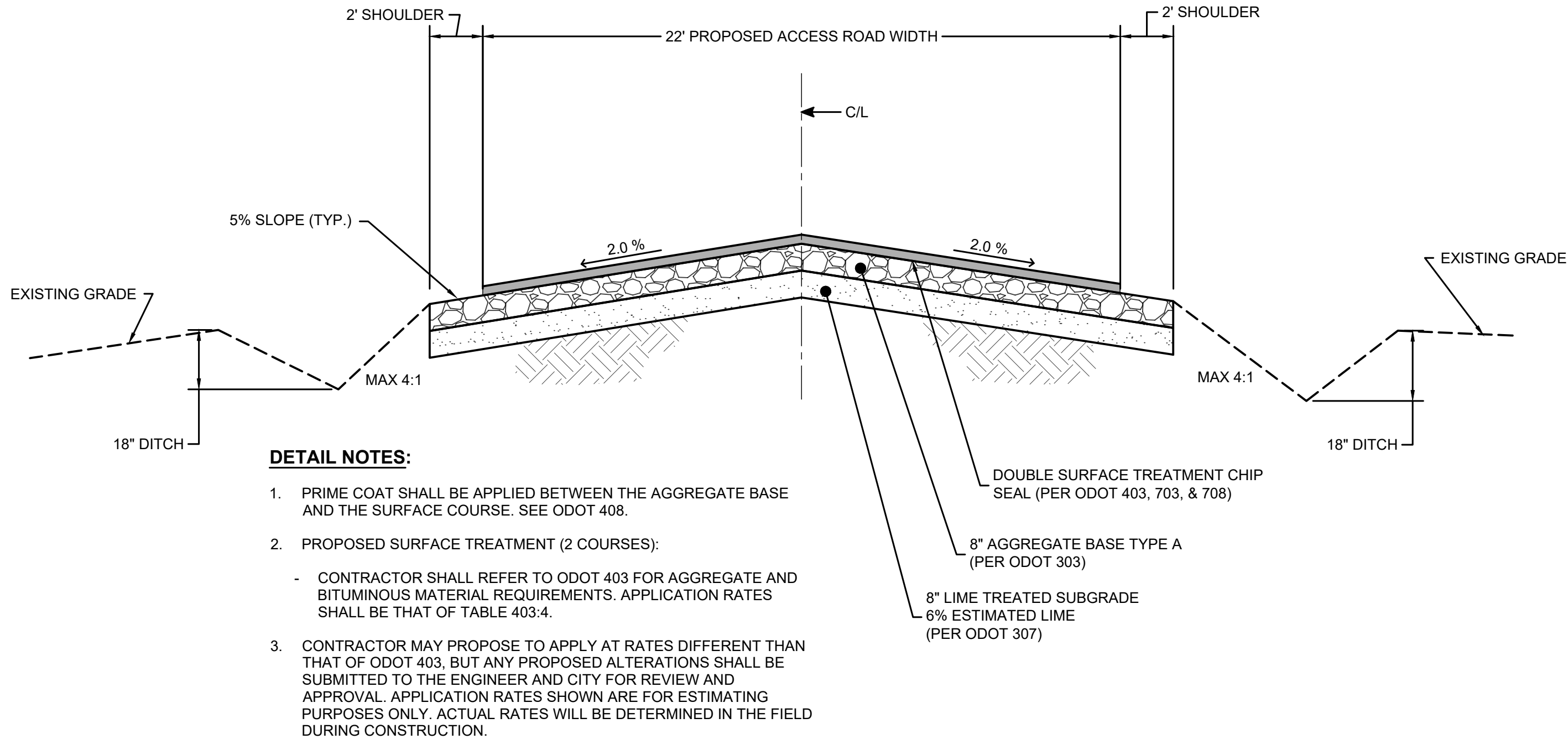


- NOTE:**
- CONCRETE PANELS ARE UNREINFORCED EXCEPT FOR PANELS INDICATED ON JOINT LAYOUT PLAN.
 - PAVEMENT SHALL MEET THE FLEXURAL STRENGTH REQUIREMENTS SET FORTH WITHIN FAA ITEM P-501.

2

ROADWAY PAVEMENT SECTION

N.T.S.

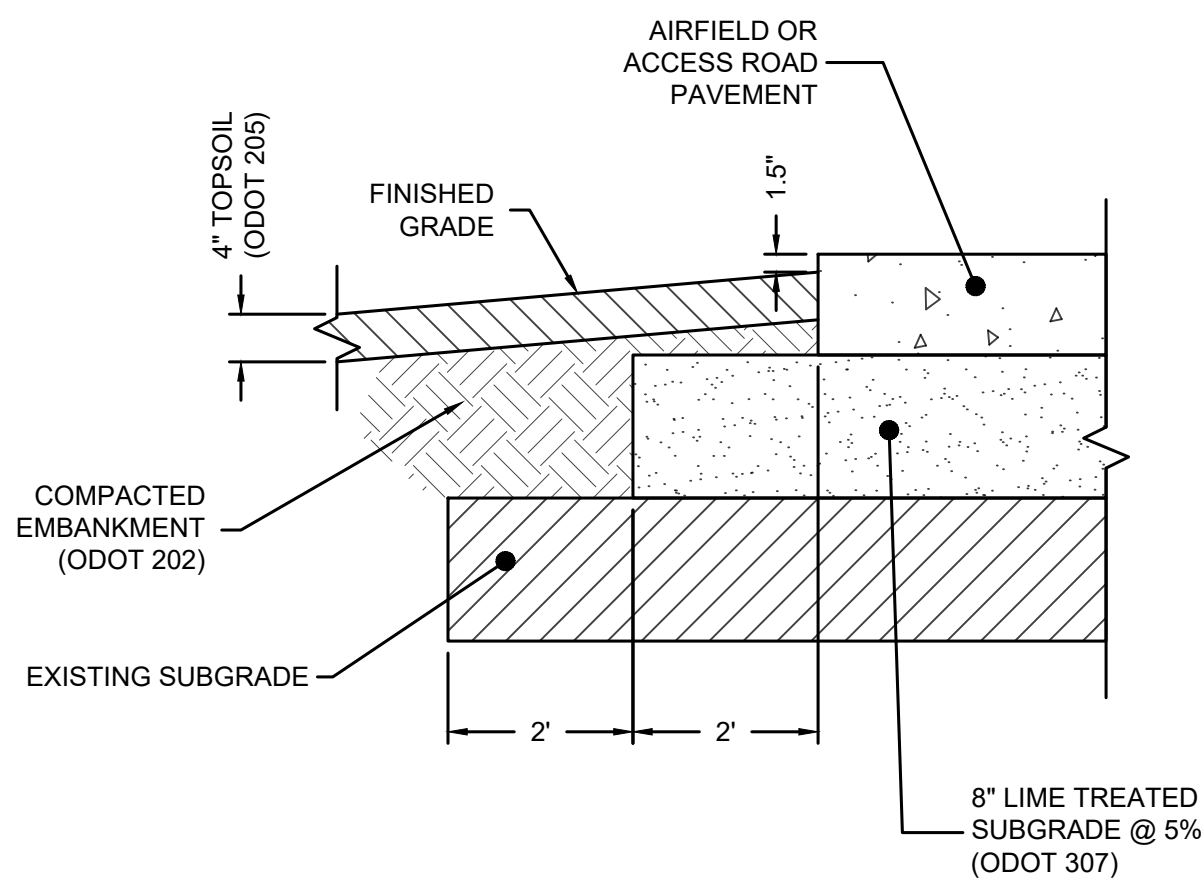


- DETAIL NOTES:**
- PRIME COAT SHALL BE APPLIED BETWEEN THE AGGREGATE BASE AND THE SURFACE COURSE. SEE ODOT 408.
 - PROPOSED SURFACE TREATMENT (2 COURSES):
 - CONTRACTOR SHALL REFER TO ODOT 403 FOR AGGREGATE AND BITUMINOUS MATERIAL REQUIREMENTS. APPLICATION RATES SHALL BE THAT OF TABLE 403.4.
 - CONTRACTOR MAY PROPOSE TO APPLY AT RATES DIFFERENT THAN THAT OF ODOT 403, BUT ANY PROPOSED ALTERATIONS SHALL BE SUBMITTED TO THE ENGINEER AND CITY FOR REVIEW AND APPROVAL. APPLICATION RATES SHOWN ARE FOR ESTIMATING PURPOSES ONLY. ACTUAL RATES WILL BE DETERMINED IN THE FIELD DURING CONSTRUCTION.

3

PAVEMENT DROP-OFF DETAIL

N.T.S.

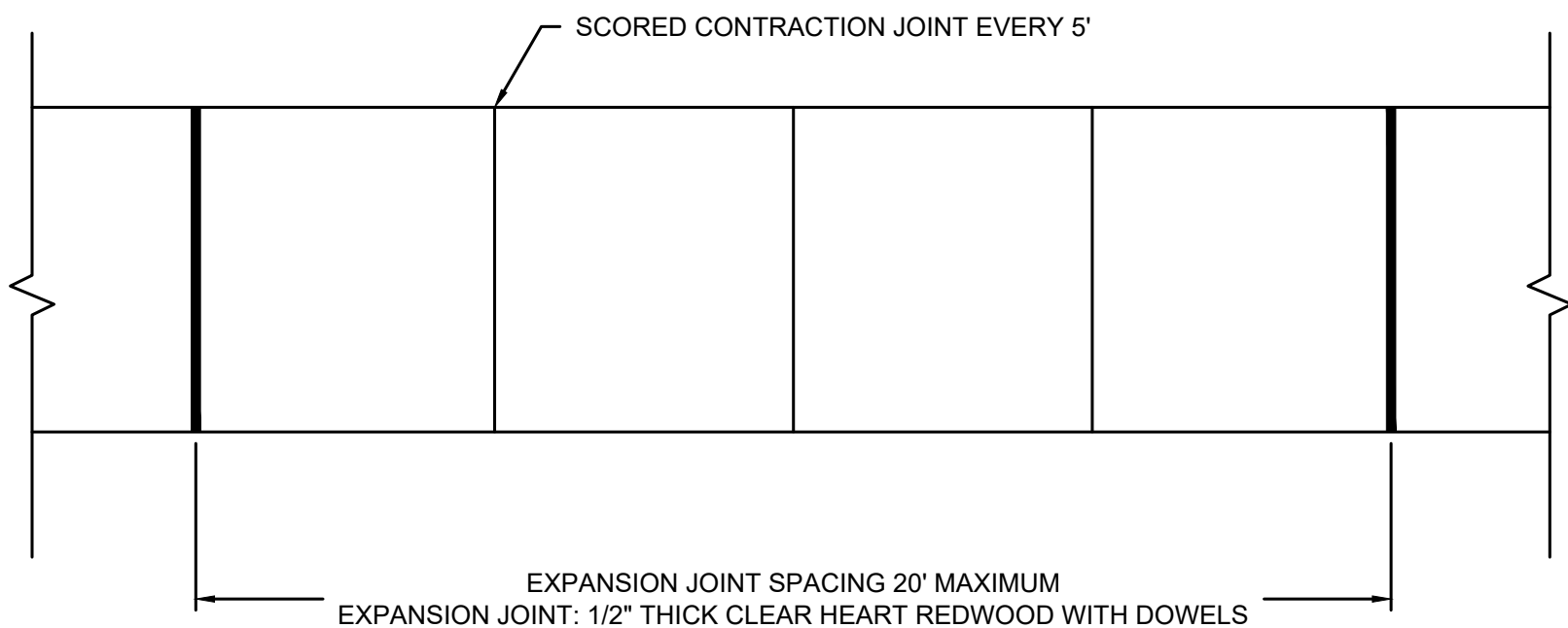


- PAVEMENT DROP-OFF NOTES:**
- PROVIDE 1.5" DROP-OFF FROM TOP OF PAVEMENT TO ADJACENT FINISHED GRADE AT EDGE OF ALL PAVEMENT CONSTRUCTED IN THIS PROJECT.
 - SUFFICIENT TOPSOIL MAY NOT BE AVAILABLE ON THE AIRPORT SITE. THE CONTRACTOR SHALL SUPPLY TOPSOIL FROM OFF-SITE AS REQUIRED. TOPSOIL MUST MEET THE REQUIREMENTS OF ODOT 205.
 - THE TOPSOIL SHALL BE LIGHTLY ROLLED INTO PLACE.
 - ALL TOPSOILED AREAS SHALL BE TREATED WITH SEED AND FERTILIZER IN ACCORDANCE WITH ODOT 232.
 - UPON COMPLETION OF CONSTRUCTION, INSTALL EROSION CONTROL MEASURES IN ACCORDANCE WITH SHEET C11.

5

SIDEWALK JOINT DETAILS

N.T.S.

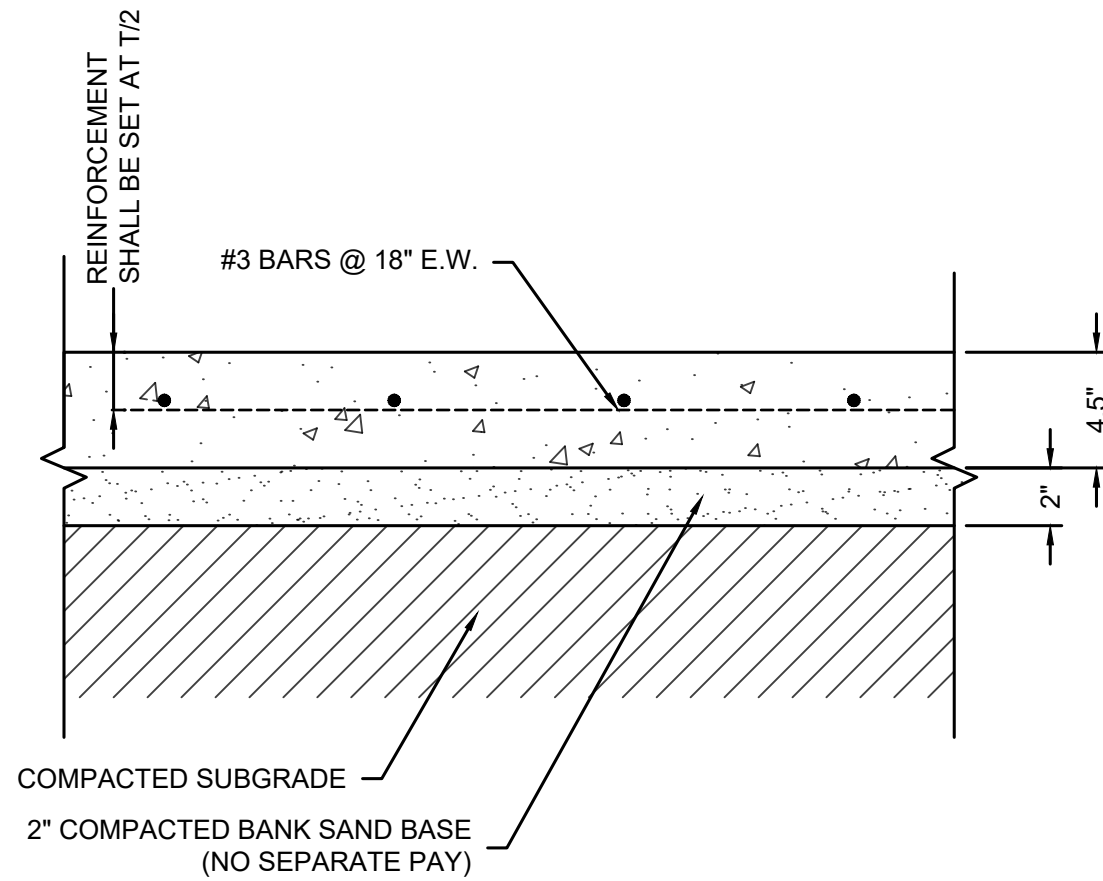


- PAVEMENT DROP-OFF NOTES:**
- 28-DAY STRENGTH FOR CONCRETE USED IN SIDEWALK SHALL BE 4,000 PSI.
 - REFER TO ODOT 610 FOR ADDITIONAL SIDEWALK REQUIREMENTS.

7

TYPICAL SIDEWALK CONCRETE PAVING SECTION

N.T.S.



- NOTE:**
- REFER TO ODOT 610 FOR SIDEWALK CONCRETE REQUIREMENTS.
 - THE CONTRACTOR SHALL ENSURE PCC MEETS 4,000 PSI COMPRESSION STRENGTH.
 - PAYMENT FOR SIDEWALK SHALL BE CONSIDERED SUBSIDIARY TO THE COST OF THE AIR EVAC HANGAR.

DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA

DRAWN BY:	AJ
DESIGNED BY:	TS
LATEST REVISION:	02/21/2024
KSA JOB NO.:	101421

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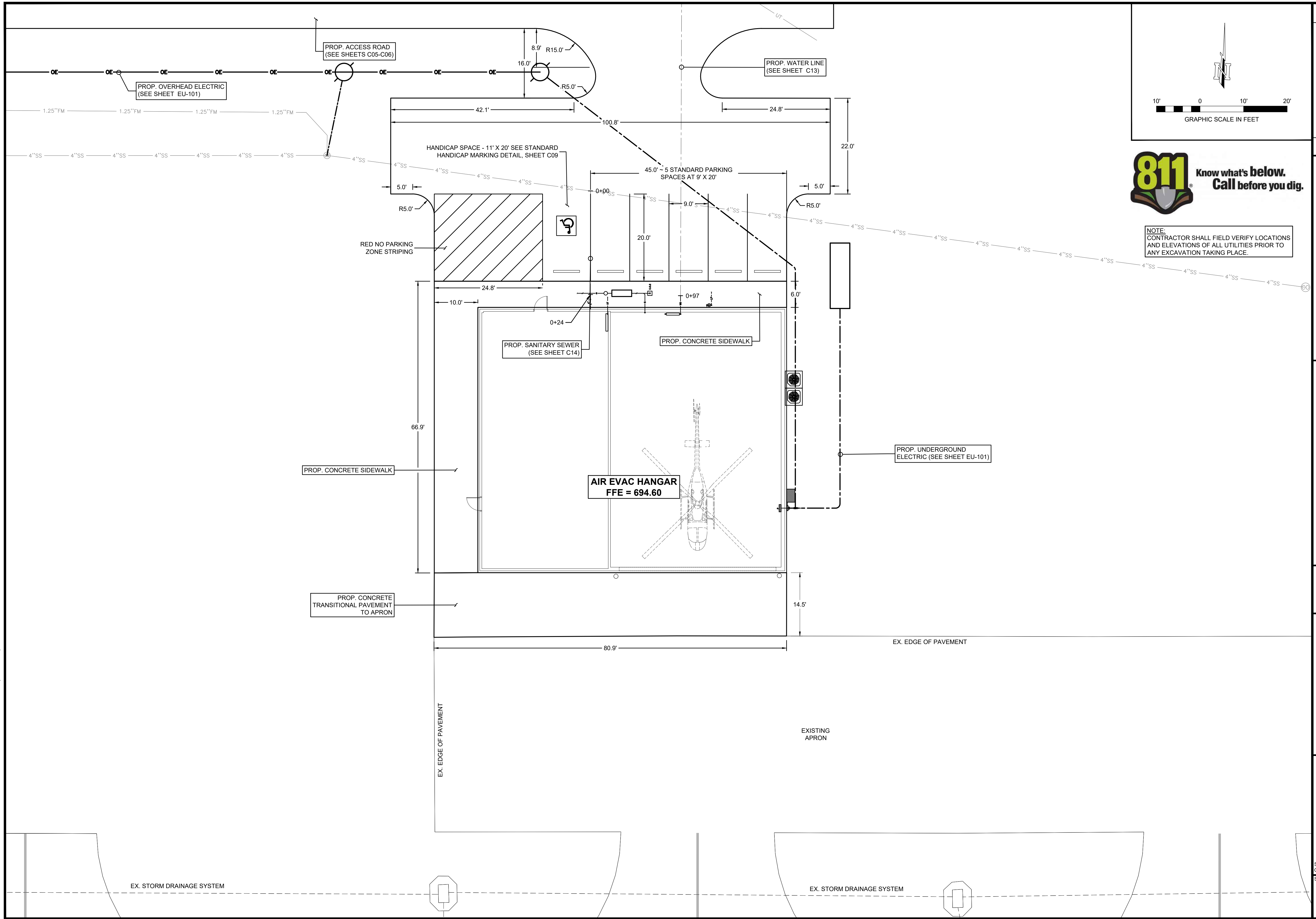
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PAVING DETAILS

SHEET NAME:

PROJECT NAME:

101421 - DURANT REGIONAL AIRPORT - AIR EVAC HANGAR DEVELOPMENT PROJECT - DURANT, OKLAHOMA

[illegible]

HANGAR SITE PLAN

DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA

DRAWN BY:	AJ
DESIGNED BY:	TS
LATEST REVISION	02/21/2024
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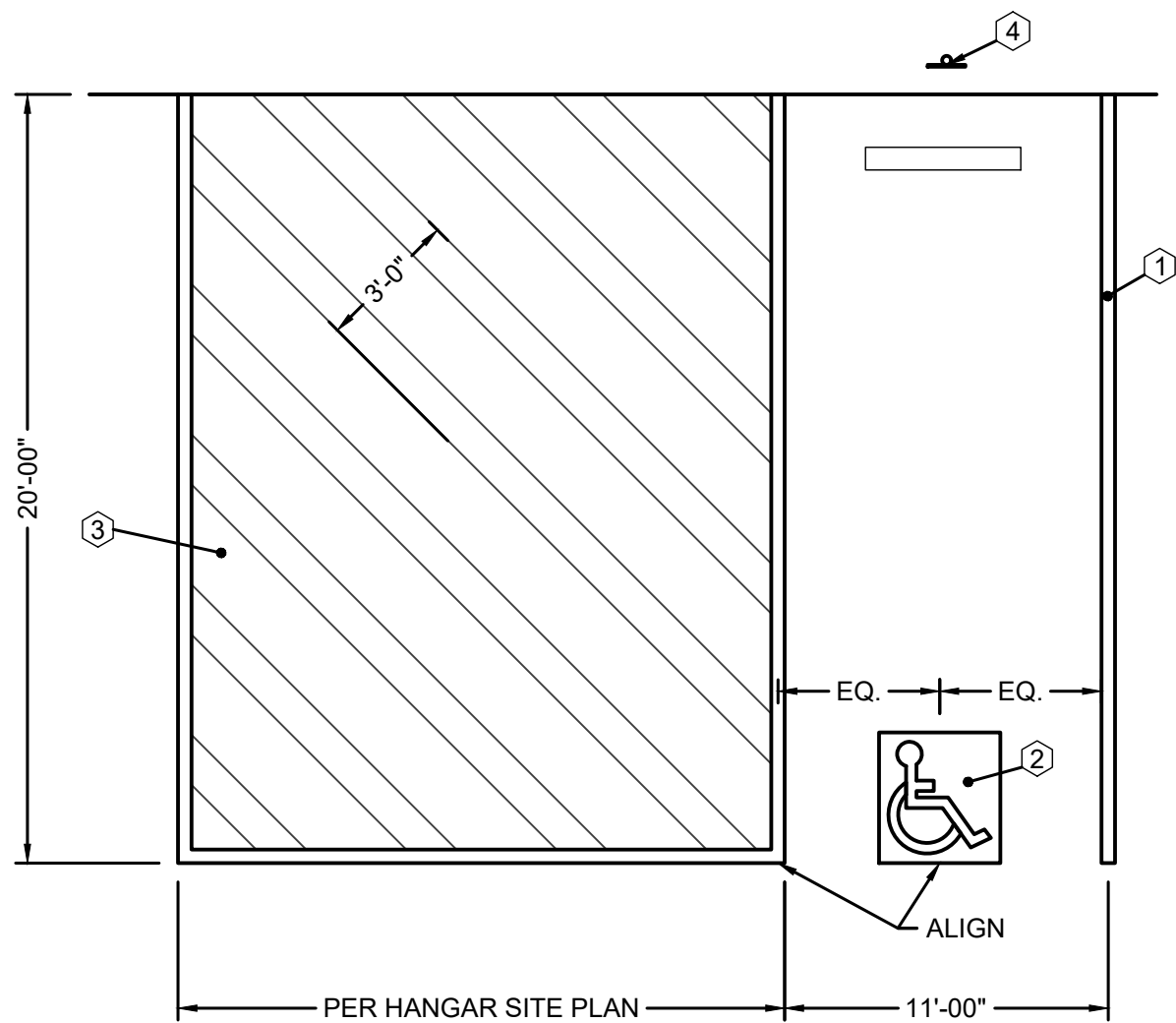
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C08

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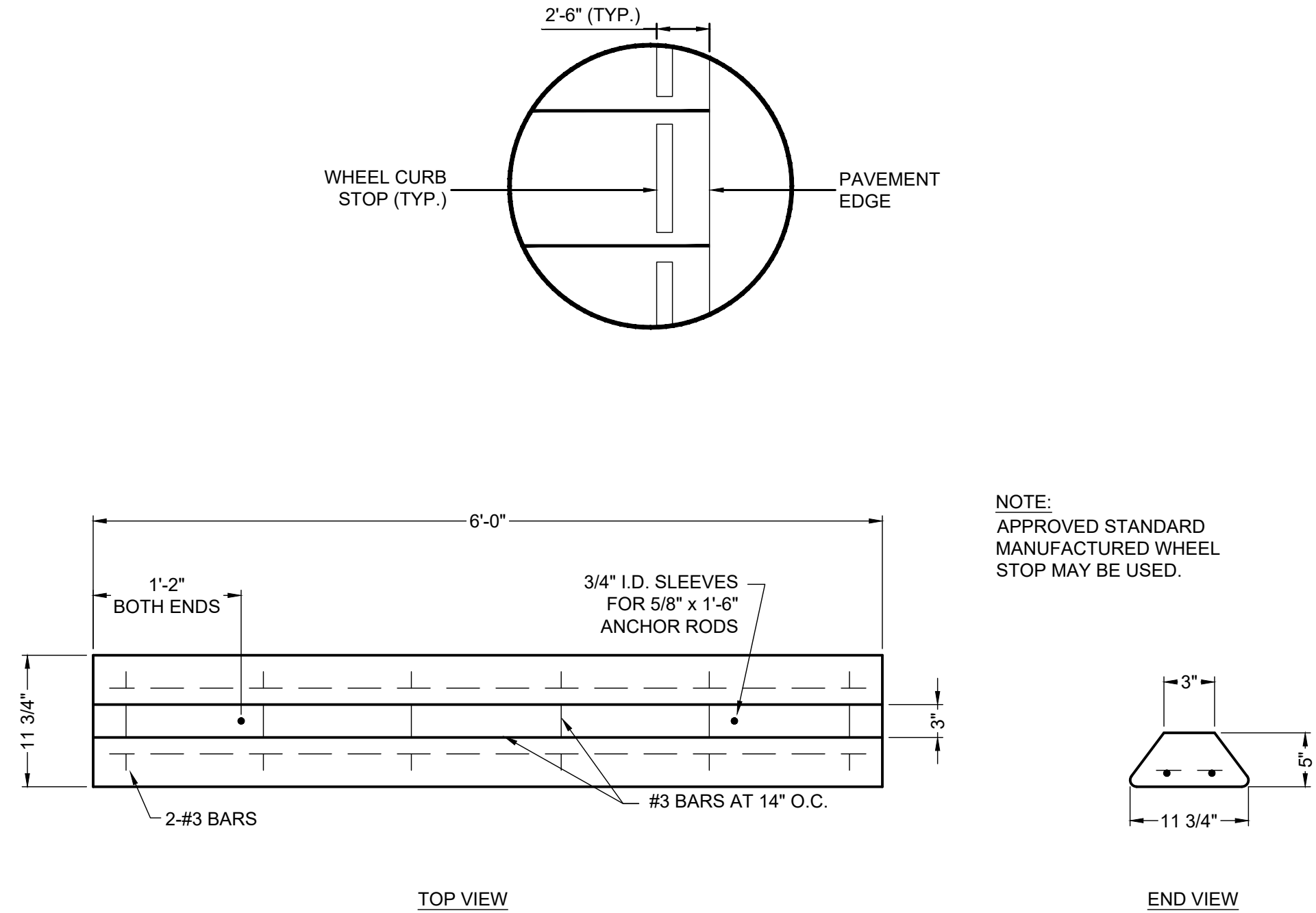
THESE KEY NOTES PERTAIN TO THIS DETAIL ONLY:

- ① 4" WIDE WHITE PARKING STALL DESIGNATION STRIPE. SEE SITE PLAN FOR ADDITIONAL STALL STRIPING.
- ② INTERNATIONAL SYMBOL OF ACCESSIBILITY PAINTED ON PAVEMENT SURFACE. 3'-0" x 3'-0".
- ③ 6" WIDE RED STRIPING WITH 4" RED BORDER DESIGNATING RESTRICTED ACCESS LOCATION, TO BE USED AS A WHEEL CHAIR ACCESS PATH AND AMBULANCE TEMPORARY PARKING.
- ④ DISABLED ACCESSIBLE PARKING STALL SIGNAGE. SEE DETAIL ON THIS SHEET.

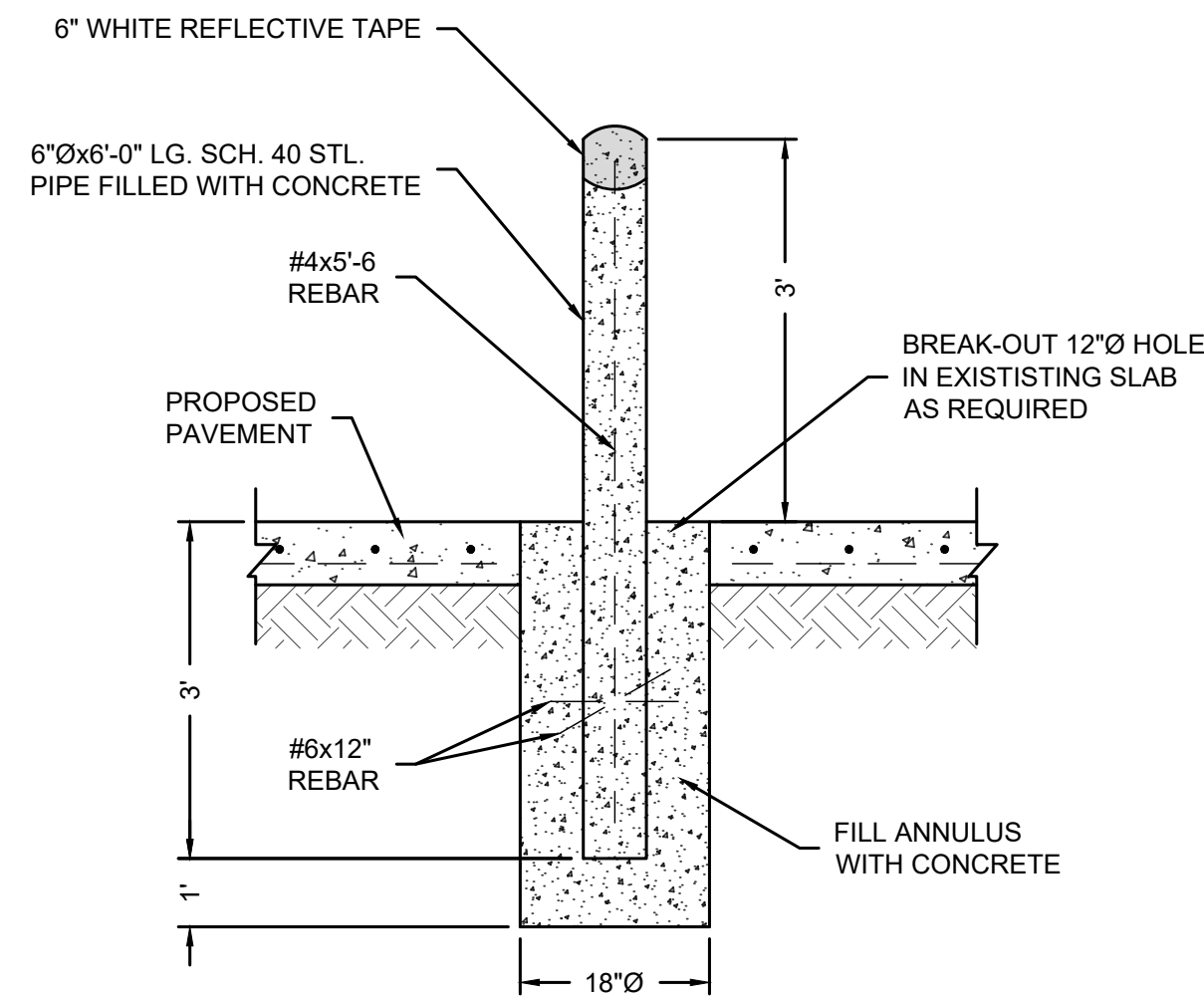
1 **HANDICAP PARKING DETAIL**
N.T.S.



2 **HANDICAP PARKING SIGNAGE DETAIL**
N.T.S.



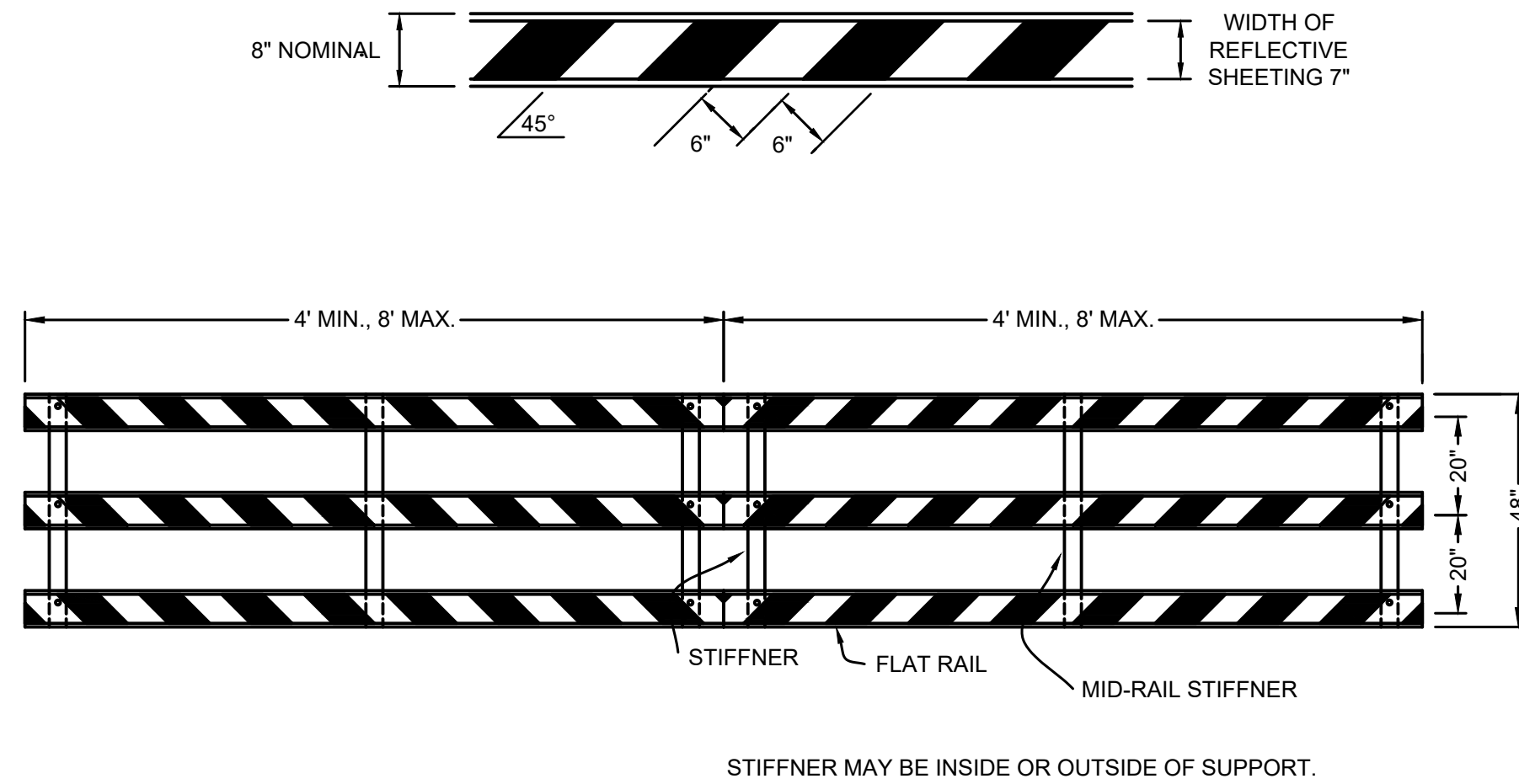
3 **WHEEL CURB STOP DETAIL**
SCALE: N.T.S.



NOTES:

1. 6"Ø STEEL PIPE W/CONCRETE FILL 6' LENGTH (3' ABOVE PAVING AND 3' BELOW PAVING LEVEL) WITH 1-#4x5'-6" TO BE CASED IN 18"Ø PIER TO DEPTH OF 1'-0" BELOW BOTTOM OF PIPE. USE 2-#6x12" REBAR THRU PIPE INTO CONCRETE PIER.
2. PIPES TO BE PAINTED TRAFFIC YELLOW W/6" WHITE REFLECTOR TAPE WRAPPED AROUND TOP.

4 **TYPICAL BOLLARD DETAIL**
N.T.S.



NOTES:

1. THIS BARRICADE SHALL USED TO DENOTE THE END-OF-ROADWAY FOR THE PRIVATE DRIVE CLOSURE. BARRICADES SHALL EXTEND ALL THE WAY ACROSS THE ROAD.
2. THIS BARRICADE SHALL BE MADE PERMANENT AND MEET MUTCD SECTION 2B-67 AND SECTION 6F.68.
3. THE COLORS OF THE STRIPES SHALL BE RETROREFLECTIVE WHITE AND RETROREFLECTIVE RED.
4. THE STRIPES SHOULD BE POSITIONED TO SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE OR BARRICADES.

5 **TYPE III BARRICADE**
N.T.S.

SPACE NOT USED

**MARKING, SIGNAGE,
AND MISCELLANEOUS
SITE DETAILS**

**DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA**

DRAWN BY:	AJ
DESIGNED BY:	TS
LATEST REVISION:	02/21/2024
KSA JOB NO.:	101421



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C09

101421 - DURANT REGIONAL AIRPORT - AIR EVAC HANGAR DEVELOPMENT PROJECT - DURANT, OKLAHOMA

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MARK	

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SITE DESCRIPTION

PROJECT LIMITS:
Durant Regional Airport

PROJECT DESCRIPTION:
Construction of 60' x 70' Air Evac Hangar, access road, with associated utilities and electrical improvements.

MAJOR SOIL DISTURBING ACTIVITIES:
Excavation and embankment for Hangar, Access Road, and Parking Lot.

TOTAL PROJECT AREA:

TOTAL AREA TO BE DISTURBED:

WEIGHTED RUNOFF COEFFICIENT
(AFTER CONSTRUCTION):

EXISTING CONDITION OF SOIL & VEGETATIVE COVER AND % OF EXISTING VEGETATIVE COVER:
Clayey soils with mixed grasses and weeds. Approximate percentage of existing vegetation cover is 95%.

NAME OF RECEIVING WATERS:
Caney Creek

- SOIL STABILIZATION PRACTICES:
- ☒ TEMPORARY SEEDING
 - ☒ PERMANENT PLANTING, SODDING, OR SEEDING
 - ☐ MULCHING (BONDED FIBER MATRIX)
 - ☐ SOIL RETENTION BLANKET
 - ☐ BUFFER ZONES
 - ☒ PRESERVATION OF NATURAL RESOURCES

OTHER:

- STRUCTURAL PRACTICES:
- ☒ SILT FENCES
 - ☒ HAY BALES
 - ☒ ROCK BERMS (ROCK FILTER DAMS)
 - ☐ DIVERSION, INTERCEPTOR, OR PERIMETER DIKES
 - ☐ DIVERSION, INTERCEPTOR, OR PERIMETER SWALES
 - ☐ DIVERSION DIKE AND SWALE COMBINATIONS
 - ☐ PIPE SLOPE DRAINS
 - ☒ PAVED FLUMES
 - ☒ ROCK BEDDING AT CONSTRUCTION EXIT
 - ☐ TIMBER MATTING AT CONSTRUCTION EXIT
 - ☐ CHANNEL LINERS
 - ☐ SEDIMENT TRAPS
 - ☐ SEDIMENT BASINS
 - ☐ STORM INLET SEDIMENT TRAP
 - ☐ STONE OUTLET STRUCTURES
 - ☐ CURBS AND GUTTERS
 - ☐ STORM SEWERS
 - ☒ VELOCITY CONTROL DEVICES

OTHER:

NARRATIVE - SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES:
Erosion and sediment control shall be installed prior to grading work. Once installed, these devices will be maintained during the duration of the project. Erosion and sediment controls will be removed when directed by the Engineer.

STORM WATER MANAGEMENT:
Existing storm sewers and drainage ditches will be used to remove water from the site. Storm water from the site will flow through filter fabric fences to filter sediment from storm water runoff before it leaves the site. New drainage strucutres will be installed as to not alter existing drainage patterns.

EROSION AND SEDIMENT CONTROLS

OTHER EROSION AND SEDIMENT CONTROLS:

MAINTENANCE:
All erosion and sediment controls will be maintained in good working order. If a repair is necessary it shall be done within 7 calendar days after the surrounding ground has dried sufficiently to prevent damage from heavy equipment.

INSPECTION:
Inspection of all erosion and sediment controls will be performed by the contractor every 7 days or after a half-inch or greater rain has been recordeed on a rain gauge located at the project site. An inspection report will be made for each inspection. Controls shall be revised based on inspection reports.

WASTE MATERIALS:
All collected waste materials will be stored in secured containers for legal disposal. No construction waste material will be buried on site.

HAZARDOUS WASTE (INCLUDING SPILL REPORTING):
Potential hazardous wastes include fuel, paints, acids, solvents, asphalts, and other items needed for construction. All spills will be reported immediately to the engineer.

SANITARY WASTE:
The contractor will provide temporary restroom facilities for employees. The provider of the facilities will legally dispose of sanitary waste.

- OFFSITE VEHICLE TRACKING:
- ☒ HAUL ROADS DAMPENED FOR DUST CONTROL
 - ☒ LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
 - ☒ EXCESS DIRT ON ROAD REMOVED DAILY
 - ☒ STABILIZED CONSTRUCTION EXIT

OTHER:

REMARKS:
Contractor shall keep the SWPPP document and all reports at the site throughout the duration of the project. Disposal areas, stockpiles, and haul routes shall be constructed to minimize and control erosion and sediment deposits.

STORM WATER
POLLUTION
PREVENTION PLAN

DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA

DRAWN BY:	AJ
DESIGNED BY:	TS
LATEST REVISION:	02/21/2024
KSA JOB NO.:	101421



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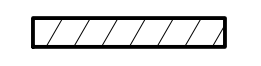
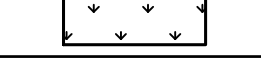
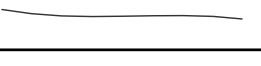
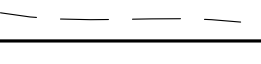
EROSION CONTROL NOTES:

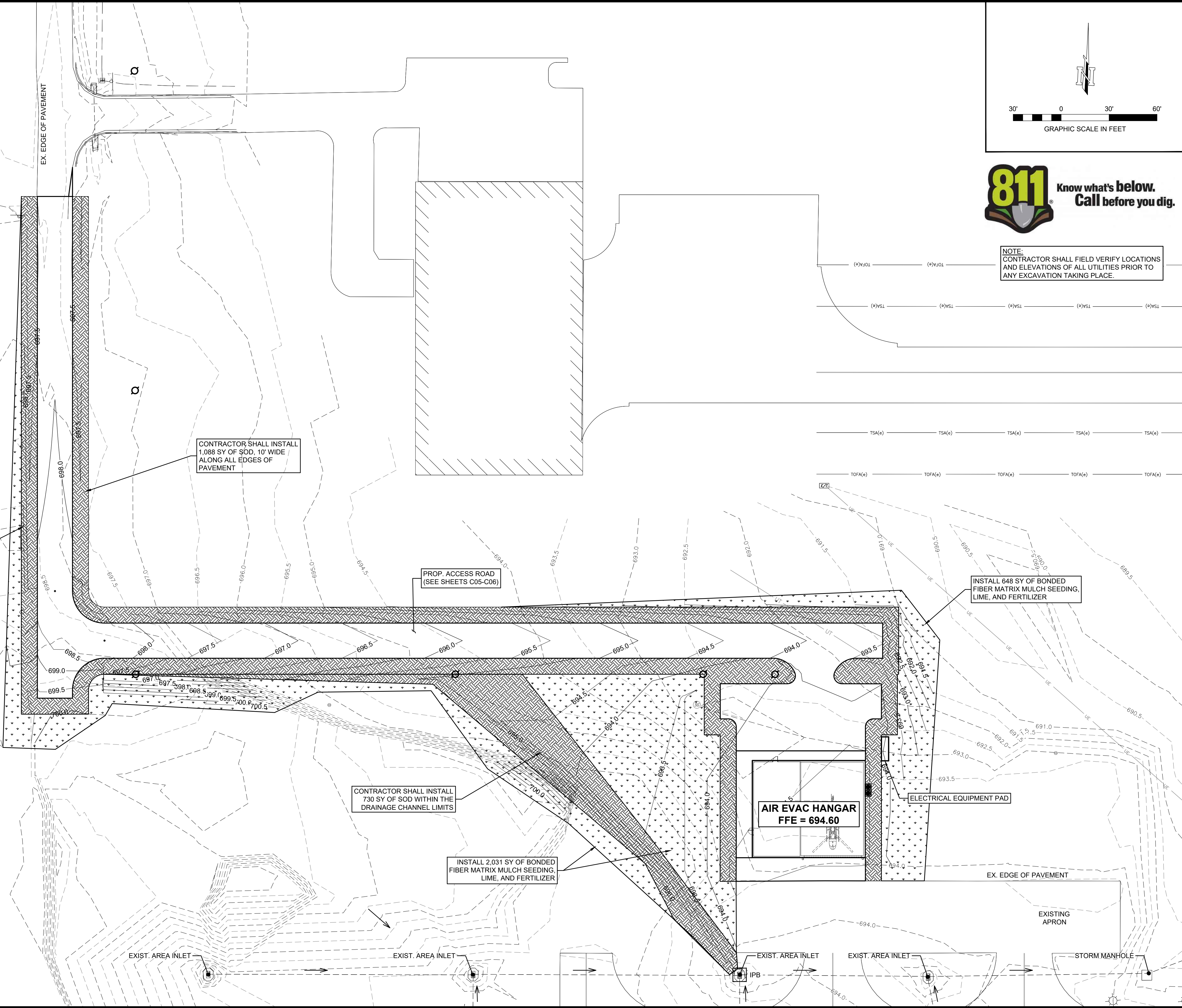
FERTILIZER

1. FERTILIZER WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE SUBSIDIARY TO THE VARIOUS BID ITEMS.
2. WATERING OPERATIONS FOR WARM SEASON GRASSES SHALL BE DELAYED UNTIL SOIL TEMPERATURE EXCEEDS 70 DEGREES F SHALL BE CONSIDERED SUBSIDIARY.
3. PROVIDE EVEN SPRAY PATTERNS THAT DO NOT DISTURB SEED BED AND/OR, DISLODGE SEED FROM SEED BED.
4. WATER WILL BE EVENLY DISTRIBUTED OVER ENTIRE AREA(S) DESIGNATED FOR SEEDING AND/OR SODDING.
5. IF 1/4 INCH OR MORE OF RAINFALL OCCURS ONSITE ON ANY GIVEN WORKING DAY, NO VEGETATIVE WATERING WILL BE NEEDED ON THAT WORKING DAY (NOTE: 1/4 INCH RAIN EQUALS 7000 GALLONS OF WATER PER ACRE).
6. SHOULD THE CONTRACTOR FAIL TO APPLY THE SPECIFIED AMOUNT OF WATER WITHIN THE TIME ALLOWED, ANY SEED OR SOD IN POOR CONDITION WILL BE REPLACED, FERTILIZED, AND WATERED AT THE CONTRACTOR'S EXPENSE.
7. NO WATERING SHALL OCCUR BETWEEN THE HOURS OF 1:00 PM AND 8:00 PM WHEN DAYTIME TEMPERATURES EXCEED 95 DEGREES.
8. AFTER INITIAL ESTABLISHMENT PERIOD, PROVIDE INTERMITTENT WATERING (APPROX. 1"/WEEK) TO NEWLY ESTABLISHED SEED OR SOD DURING SUMMER MONTHS UNTIL END OF CONTRACT.
9. ALL WATERING EQUIPMENT WILL HAVE A METERING DEVICE.

SODDING FOR EROSION CONTROL

1. ALL SOD (BLOCKS OR ROLLS) WILL BE PLACED WITHIN 24 HOURS OF DELIVERY TO THE SITE.
2. SOD BLOCKS WILL BE PLACED FIRMLY AGAINST ADJACENT SOD BLOCKS.
3. SOD WILL BE PLACED WITH JOINTS ALTERNATING ON EACH ROW TO PREVENT ALL JOINTS FROM LINING UP.
4. SODDING 4' WIDE SHALL BE PLACED AROUND ALL GRATE INLETS, AND SHALL BE PLACED 10' WIDE ALONG ALL EDGES OF PAVEMENT WHERE SHOWN.
5. QUANTITIES FOR SEED AND SOD ARE AS FOLLOW:
BASED BID:
SEEDING= 2,679 S.Y.
SOD= 2,906 S.Y.
6. SODDING FOR THE WATER AND SEWER LINES ARE NOT SHOWN ON THIS SHEET. CONTRACTOR TO UTILIZE 5' WIDE STRIPS OF SOD ABOVE WATER LINE AND SANITARY SEWER OPEN CUTS TO RE-ESTABLISH VEGETATIVE COVER.
7. IF UTILITY CUTS ARE BELOW EXISTING GRAVEL PAVEMENT, THIS AREA SHALL BE RE-ESTABLISHED WITH EXISTING GRAVEL MATERIAL.

SYMBOL	DESCRIPTION
	FILTER FABRIC FENCE
	10' SOD
	INLET PROTECTION BARRIER
	SEEDING & FERTILIZATION (T-901)
	EXISTING CONTOURS
	PROPOSED CONTOURS



NOTE:
CONTRACTOR SHALL FIELD VERIFY LOCATIONS
AND ELEVATIONS OF ALL UTILITIES PRIOR TO
ANY EXCAVATION TAKING PLACE.

EROSION CONTROL
LAYOUT

DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA

DRAWN BY:	AJ
DESIGNED BY:	TS
LATEST REVISION:	02/21/2024
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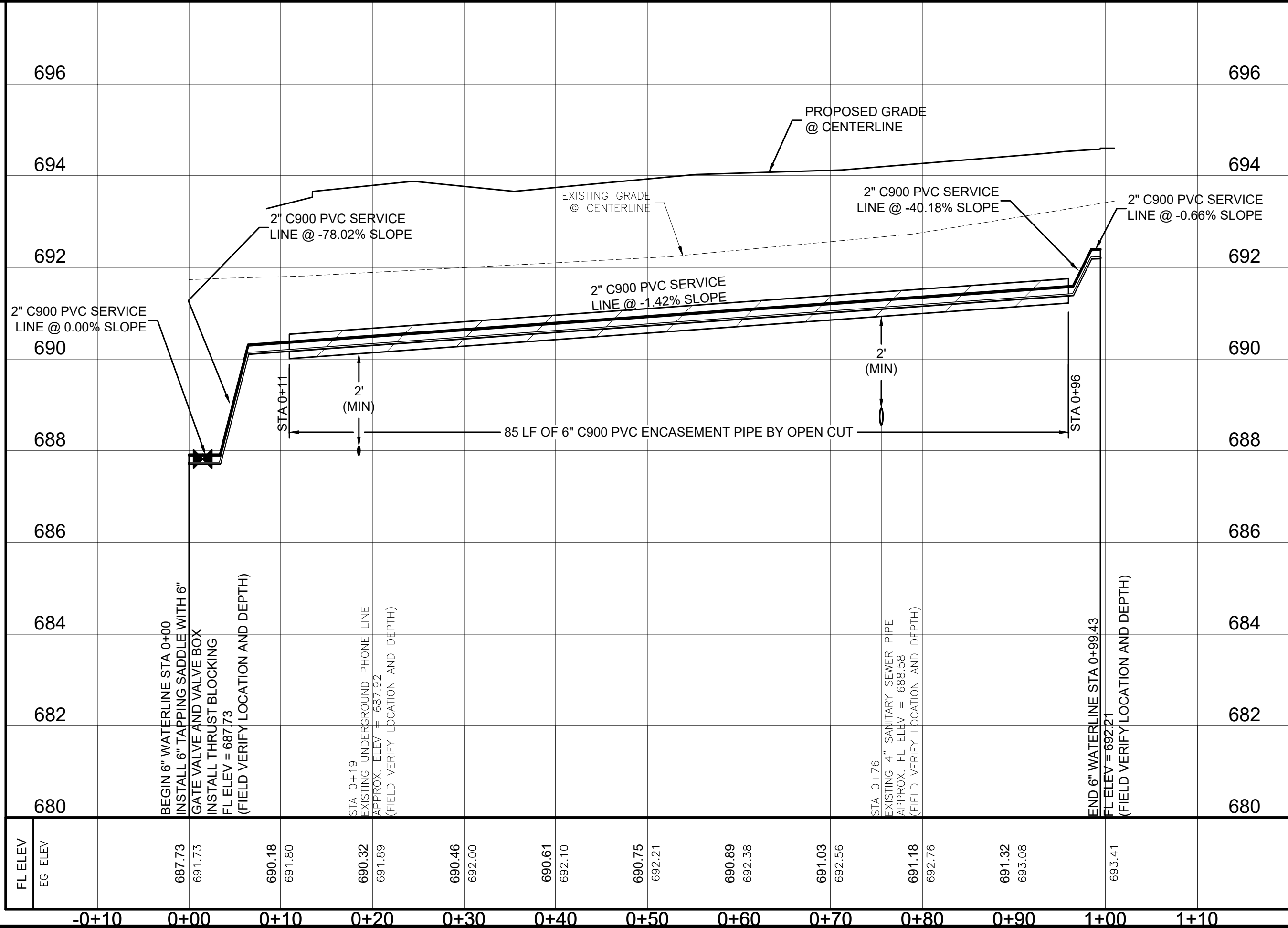
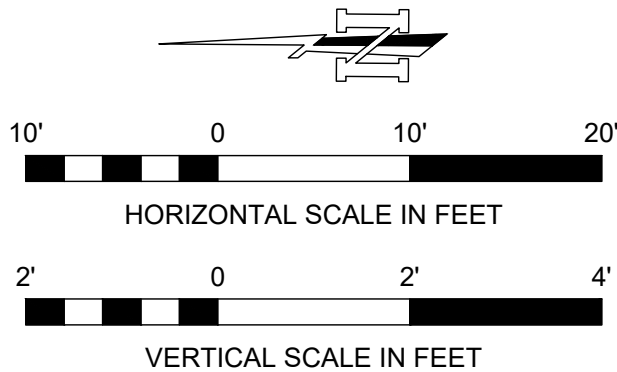
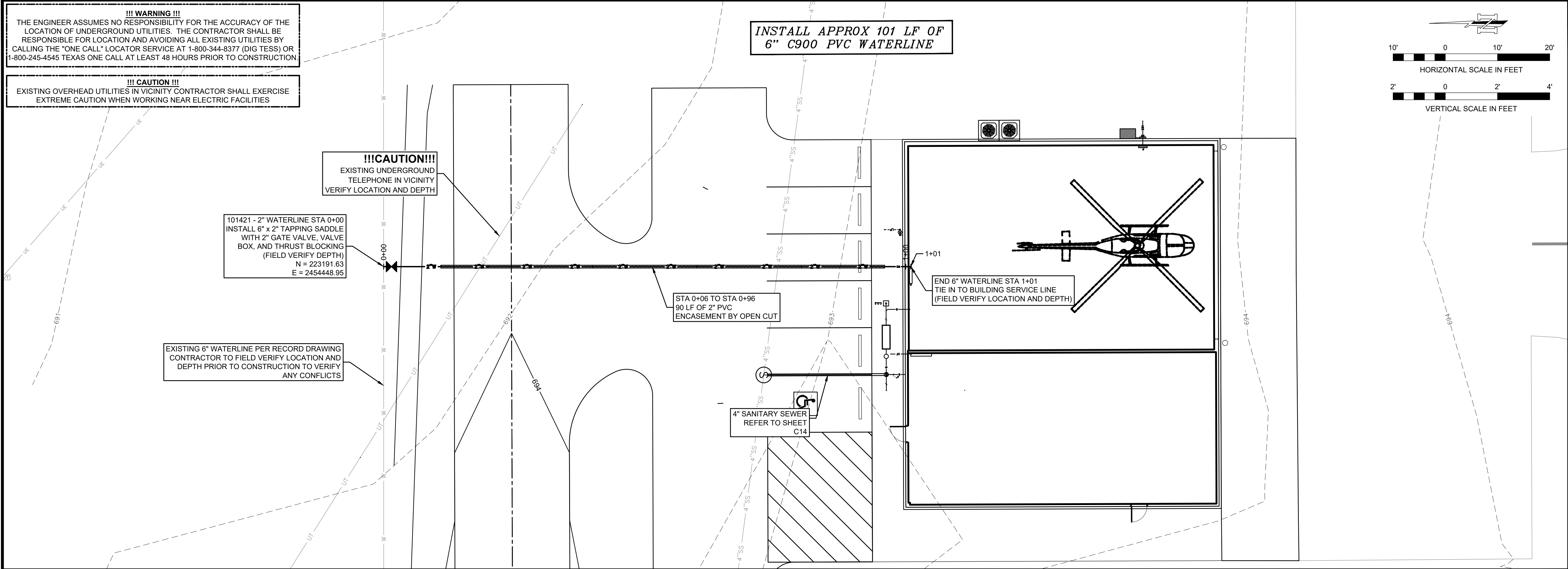
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101421 - DURANT REGIONAL AIRPORT - AIR EVAC HANGAR DEVELOPMENT PROJECT - DURANT, OKLAHOMA

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DESIGNED BY:
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101421 - DURANT REGIONAL AIRPORT - AIR EVAC HANGAR DEVELOPMENT PROJECT - DURANT, OKLAHOMA

101421 - 2" WATERLINE
PLAN AND PROFILE
STA 0+00 TO END

DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA

SEAL:
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!!! CAUTION !!!
EXISTING OVERHEAD UTILITIES IN VICINITY CONTRACTOR SHALL EXERCISE
EXTREME CAUTION WHEN WORKING NEAR ELECTRIC FACILITIES

The figure shows two graphic scales. The top scale is labeled 'HORIZONTAL SCALE IN FEET' and has markings for 10', 0, 10', and 20'. The bottom scale is labeled 'VERTICAL SCALE IN FEET' and has markings for 2', 0, 2', and 4'. Both scales use alternating black and white segments to represent the measurements.

EXISTING SANITARY SEWER
LATERAL TO REMAIN
PROTECT FROM DAMAGE

REHABILITATE EXISTING LIFT STATION
CONTRACTOR SHALL DEWATER AND
PRESSURE WASH LS WET WELL PRIOR
TO INSTALLING CITY FURNISHED PUMPS

INSTALL REPLACEMENT
CONE WET WELL COVER
(PART #9626)



DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA

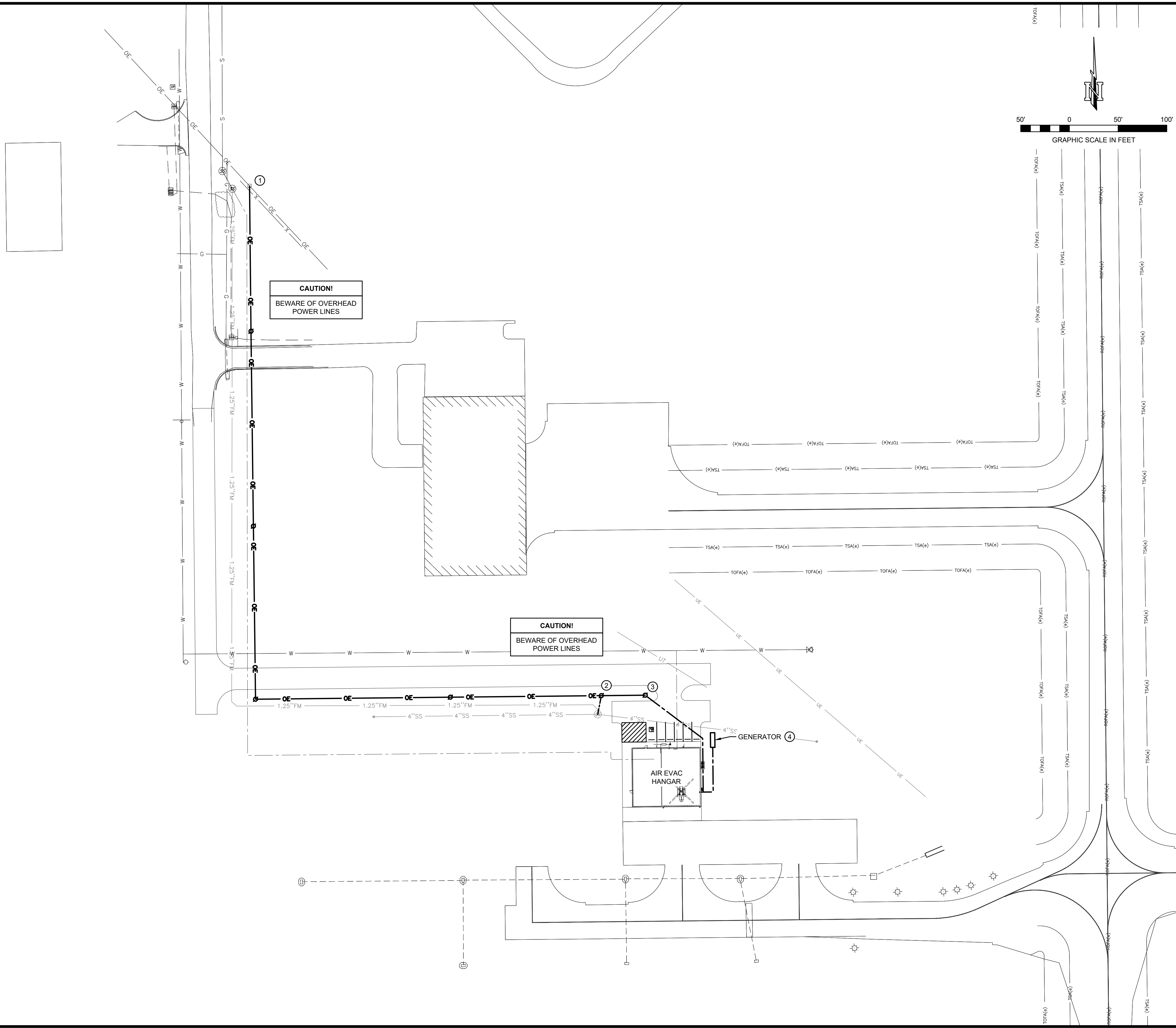
DRAWN BY:	AJ
DESIGNED BY:	TS
LATEST REVISION	
02/21/2024	
KSA JOB NO.:	101421



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SEAL:
Oklahoma Registration No. 2175
SHEET NO.

C14



ELECTRIC UTILITIES SITE PLAN

DURANT REGIONAL AIRPORT
AIR EVAC HANGAR
DEVELOPMENT PROJECT
DURANT, OKLAHOMA

DRAWN BY:	MAR
DESIGNED BY:	MLM
LATEST REVISION:	7/26/2024
KSA JOB NO.:	101421



8866 Synergy Dr.
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SHEET NO.

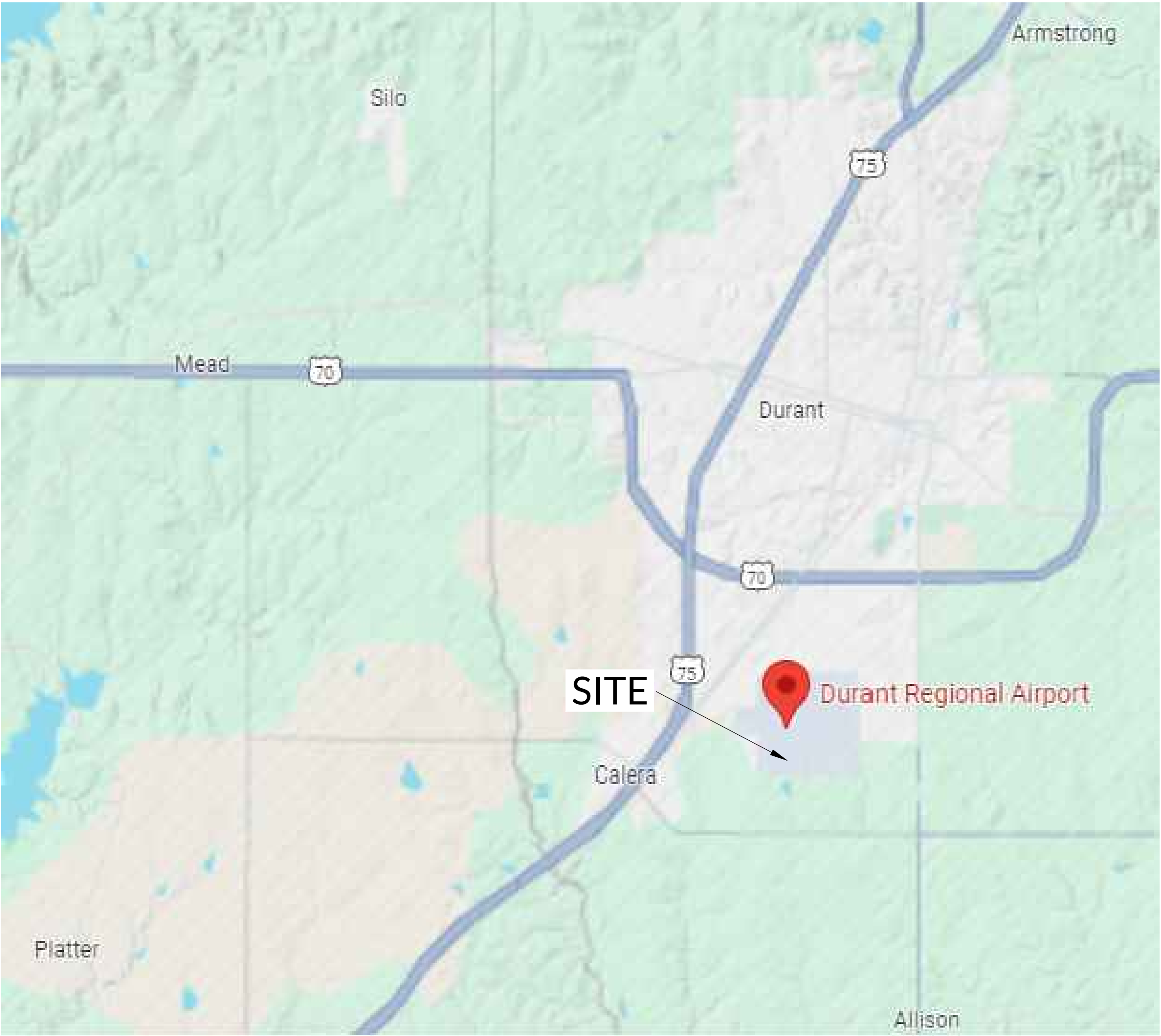
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MARK	REVISION	DATE
101421 ~ D I R I A N T R E G I O N A L A I R P O R T ~ A I R E V A C H A N G A R D E V E L O P M E N T P R O J E C T ~ D I R I A N T O K I A H O M A		

SHEET NAME:

PROJECT NAME:

101421



SITE LOCATION



AIR EVAC LIFETEAM BASE DURANT, OKLAHOMA

20210 AEDO 95% CHECK SET JULY 12, 2024

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BUILDING CODE INFORMATION

ADOPTED CODES:	2018 INTERNATIONAL BUILDING CODE (IBC) 2018 INTERNATIONAL MECHANICAL CODE (IMC) 2018 INTERNATIONAL FUEL GAS CODE (IFGC) 2018 INTERNATIONAL FIRE CODE (IFC) 2018 INTERNATIONAL PLUMBING CODE (IPC) 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) (ANSI/ASHRAE/IES 90.1-2013) 2017 NATIONAL ELECTRICAL CODE (NEC)
CURRENT ZONING:	I-2 - MEDIUM INDUSTRIAL DISTRICT
USE GROUP:	SEPARATED/MIXED USE
HANGAR:	"S-1" STORAGE (NOT SPRINKLERED) CREW BASE: "R-3" RESIDENTIAL (SPRINKLERED)
BUILDING AREA:	TOTAL SQUARE FOOTAGE = 3,500 S.F. HANGAR - "S-1" = 2,000 S.F. CREW BASE - "R-3" = 1,500 S.F.
ALLOWABLE AREA:	PER IBC TABLE 506.2: HANGAR - "S-1" = 17,500 S.F. CREW BASE - "R-3" = UNLIMITED
BUILDING HEIGHT:	PER IBC TABLE 504.3: II-B (STORAGE "S-1") NS = 55'-0" II-B (RESIDENTIAL "R-3") S = 75'-0" HEIGHT OF BLDG ON SITE = 21'-6" TO TOP OF HANGAR RIDGE
CONSTRUCTION TYPE:	II-B (NON-COMBUSTIBLE/UNPROTECTED)
OCCUPANT LOAD:	CALCULATED PER IBC TABLE 1004.1.2: AIRCRAFT HANGAR: 2,000 S.F. / 500 S.F. PER OCCUPANT = 4 OCCUPANTS RESIDENTIAL: 1,500 S.F. / 200 S.F. PER OCCUPANT = 8 OCCUPANTS
HANGAR:	REQUIRED PER IBC SECTION 1021: AIRCRAFT HANGAR: MINIMUM = 1 EXIT - ACTUAL = 1 EXIT RESIDENTIAL: MINIMUM = 1 EXIT - ACTUAL = 2 EXITS
EXIT WIDTHS:	STAIRWAYS: N/A OTHER EGRESS COMPONENTS: HANGAR: 2" PER OCCUPANT = 8" - ACTUAL = 36" RESIDENTIAL: 15" PER OCCUPANT = 12" - ACTUAL = 72"
TRAVEL DISTANCES:	REQUIRED PER IBC TABLE 1017.2: MAXIMUM ALLOWED = 200'-0" - ACTUAL = 56'-6" RESIDENTIAL: MAXIMUM ALLOWED = 250'-0" - ACTUAL = 56'-4"
FIRE SAFETY:	PER IBC AND NFPA 13D, AN AUTOMATIC FIRE SUPPRESSION SYSTEM IS TO BE INSTALLED IN THE CREW BASE (R-3) AREA ONLY. THE CREW BASE (R-3) IS TO BE SEPARATED FROM THE HANGAR (S-1) WITH A 2 HOUR RATED FIRE BARRIER PER IBC. SMOKE DETECTORS WILL BE INSTALLED IN EACH ROOM, AND FIRE EXTINGUISHERS SHALL BE INSTALLED AS INDICATED PER PLAN.

CONSULTANTS

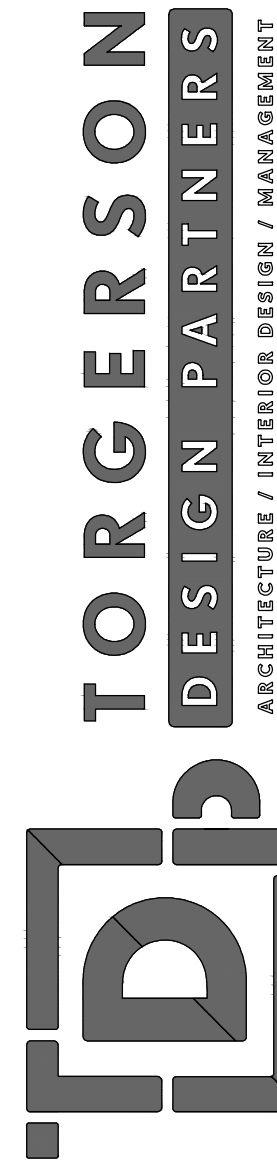
STRUCTURAL ENGINEER:



MEP ENGINEER:



CIVIL ENGINEER:



116 NORTH 2ND AVENUE - OZARK, MO 65721 - P (417) 581-8889 - F (417) 581-9002
ARCHITECTURAL CORPORATION MISSOURI LICENSE NUMBER CA-2010011427

NEW AIR EVAC FACILITY
FOR THE CITY OF DURANT, OK
DURANT REGIONAL AIRPORT 10 WALDRON RD.
DURANT, OKLAHOMA 74701

INTERIM REVIEW ONLY
THESE DOCUMENTS ARE INCOMPLETE, AND ARE RELEASED FOR INTERIM REVIEW ONLY AND ARE NOT INTENDED FOR REGULATORY APPROVAL, BIDDING, PERMIT, OR CONSTRUCTION PURPOSES.

ARCHITECT OF RECORD:
AARON KING
ARCHITECTURAL LICENSE #:
A6350

PROJECT NUMBER:
24006 AEDO

REVISION:

A0.0
COVER SHEET

DATE: APRIL 19, 2024

ABBREVIATIONS

1. AB = ANCHOR BOLT
2. AW = AFTER WELDING
3. BAR = REBAR
4. BO = BOTTOM OF
5. BOF = BOTTOM OF FOOTING
6. BOS = BOTTOM OF STEEL
7. BRG = BEARING
8. CP = CAST-IN-PLACE
9. CJP = COMPLETE JOINT PENETRATION WELD
10. CL = CENTERLINE
11. CLR = CLEAR
12. CMU = CONCRETE MASONRY UNIT
13. COL = COLUMN
14. CONC = CONCRETE
15. CONT = CONTINUOUS
16. DA = DIAMETER
17. DWG = DRAWING
18. E = EXISTING
19. EA = EACH
20. EF = EACH FACE
21. EL = ELEVATION
22. EPS = EXPANDED POLYSTYRENE
23. EW = EACH WAY
24. FC = CONCRETE COMPRESSIVE STRENGTH
25. FND = FOUNDATION
26. FOW = FACE OF WALL
27. FTO = FOOTING
28. FV = FIELD VERIFY
29. GALV = GALVANIZED
30. GC = GENERAL CONTRACTOR
31. HAS = HEADED ANCHOR STUD
32. IBC = INTERNATIONAL BUILDING CODE
33. ID = INSIDE DIAMETER
34. KIP = 1000 POUNDS
35. LB = POUND
36. LOSF = LIGHT-GAUGE STEEL FRAMING
37. LHH = LONG LEG HORIZONTAL
38. LLO = LONG LEG OUTSTANDING
39. LLV = LONG LEG VERTICAL
40. LP = LAYOUT POINT
41. LVL = LAMINATED VENEER LUMBER
42. MAX = MAXIMUM
43. MB = MACHINE BOLT
44. MEP = MECHANICAL, ELECTRICAL, PLUMBING
45. MFR = MANUFACTURER
46. MIL = THOUSANTHS OF AN INCH
47. NIC = NOT IN CONTRACT
48. NS&FS = NEAR SIDE & FAR SIDE
49. NTS = NOT TO SCALE
50. OC = ON CENTER
51. OD = OUTSIDE DIAMETER
52. PEMB = PRE-ENGINEERED METAL BUILDING
53. PPT = PRESERVATIVE PRESSURE TREATED
54. PSF = POUNDS PER SQUARE FOOT
55. PSI = POUNDS PER SQUARE INCH
56. PT = POST TENSIONED
57. REQ'D = REQUIRED
58. REV = REVERSED
59. RTU = ROOF TOP UNIT
60. SLO = SHORT LEG OUTSTANDING
61. SLV = SHORT LEG VERTICAL
62. SPECS = SPECIFICATIONS
63. STD = STANDARD
64. STL = STEEL
65. T&B = TOP AND BOTTOM
66. TO = TOP OF
67. TOP = TOP OF FOOTING
68. TOP = TOP OF PEDESTAL
69. TOS = TOP OF STEEL
70. TOW = TOP OF WALL
71. TYP = TYPICAL
72. UL = ULTIMATE LOAD
73. UNO = UNLESS NOTED OTHERWISE
74. WP = WORK POINT
75. WWF = WELDED WIRE FABRIC
76. (#) = QUANTITY

LOADING INFORMATION

2018 IBC w/ OKLAHOMA 2021 AMMENDMENTS

1. DEAD LOADS			
A. ROOF DEAD LOAD – PEMB			SELF WEIGHT
2. COLLATERAL LOADS (NON-REDUCIBLE)			
A. TYPICAL ROOF COLLATERAL LOAD			5 PSF
3. LIVE LOADS			
A. ROOF LIVE LOAD (W/ TRIBUTARY REDUCTION)			20 PSF
4. ROOF SNOW LOAD			
A. GROUND SNOW LOAD, P_g			5 PSF
B. SNOW EXPOSURE FACTOR, C_e			1.0
C. SNOW LOAD IMPORTANCE FACTOR, I_s			1.2
D. THERMAL FACTOR, C_t			1.0
E. SNOW DRIFT			PER CODE
5. WIND LOAD			
A. ULTIMATE WIND SPEED, V_{ult}			117 MPH
B. RISK CATEGORY			IV
C. WIND EXPOSURE CATEGORY			C
D. INTERNAL PRESSURE COEFFICIENT			±0.18
6. SEISMIC DESIGN CRITERIA			
A. RISK CATEGORY			IV
B. SEISMIC IMPORTANCE FACTOR, I_s			1.5
C. SPECTRAL RESPONSE ACCELERATIONS AND COEFFICIENTS			
i. S_g		0.201	ii. S_{gs} 0.214
iii. S_1		0.072	iv. S_{p1} 0.115
D. SITE CLASS			C
E. SEISMIC DESIGN CATEGORY			D

CONCRETE NOTES

1. CONCRETE FOR FOUNDATIONS, FOOTINGS AND INTERIOR SLABS ON GRADE SHALL HAVE 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI. THE MAXIMUM WATER TO CEMENT RATIO SHALL BE 0.52 BY WEIGHT WITH A SLUMP OF 4"±1".
2. CONCRETE FOR EXTERIOR USES, SIDEWALKS, RETAINING WALLS, EXTERIOR SLABS ON GRADE SHALL HAVE 28-DAY COMPRESSIVE STRENGTH OF 3500 PSI AND SHALL BE AIR-ENTRAINED TO 6% PLUS OR MINUS 1% WITH AN AIR-ENTRAINING ADMIXTURE CONFORMING TO ASTM C260. THE MAXIMUM WATER TO CEMENT RATIO SHALL BE 0.45 BY WEIGHT WITH A SLUMP OF 4"±1".
3. NO LIME SAND FINE AGGREGATE MAY BE USED IN CONCRETE EXPOSED TO WEATHER, VIEW, OR IN HORIZONTAL APPLICATIONS.
4. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
5. MAINTAIN REINFORCING 1-1/2" TO 2" BELOW TOP SURFACE OF SLABS ON GRADE. PROVIDE CHAIRS, BOLSTERS OR OTHER APPROVED MEANS TO PROPERLY LOCATE REINFORCING.
6. IF ADDITIONAL FLOWABILITY IS REQUIRED FOR PLACEMENT OF ANY CONCRETE MIX, A WATER-REDUCING ADDITIVE CONFORMING TO ASTM C494, TYPE A, D, E OR F SHALL BE USED. NO ADDITIONAL WATER MAY BE ADDED TO THE MIX AT THE SITE. SLUMP FOR CONCRETE CONTAINING WATER-REDUCING OR HIGH-RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 8" AFTER ADMIXTURE IS ADDED TO CONCRETE WITH A 2"-4" SLUMP. SEE DIVISION 3 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
7. INTERIOR SLABS SHALL HAVE SMOOTH TROWELLED FINISH AND EXTERIOR SLABS SHALL HAVE LIGHT BROOM FINISH, UNO. ALL SLABS SHALL HAVE A CURING COMPOUND COMPLYING WITH ASTM C309 APPLIED TO SURFACE. EXCEPTIONS ARE WHERE FLOOR FINISHES REQUIRE SCRATCH FINISH AND WHERE CURING COMPOUNDS ARE NOT COMPATIBLE WITH ADHESIVES, ETC.
8. CONTRACTOR SHALL COORDINATE ALL CONCRETE SEALERS, CURING COMPOUNDS, ETC TO ENSURE COMPATIBILITY WITH FLOORING ADHESIVES FOR FLOORING INDICATED IN THE FLOOR PLANS AND FLOOR FINISH PLANS AS APPLICABLE.
9. TESTING OF FRESH CONCRETE SHALL BE DONE BY A QUALIFIED TESTING LABORATORY RETAINED BY THE OWNER AND APPROVED BY THE ENGINEER.
10. 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 U.N.O.
11. PROVIDE A MINIMUM OF 3" COVER FOR ANCHOR BOLTS AND LOCATE HORIZONTAL REINFORCEMENT TO THE OUTSIDE FOR ANCHOR BOLT CONTAINMENT, U.N.O.
12. PROVIDE TEMPORARY SHORING AND BRACING OF ALL STRUCTURAL AND MISCELLANEOUS ELEMENTS UNTIL CONCRETE HAS OBTAINED 80% OF DESIGN STRENGTH AND ALL PERMANENT BRACING ELEMENTS ARE INSTALLED.
13. PROVIDE CONSTRUCTION JOINTS IN SLABS ON GRADE AS REQUIRED TO MAINTAIN THE QUALITY AND INTEGRITY OF THE FINISHED PRODUCT. PROVIDE CONTROL JOINTS IN SLABS ON GRADE AT APPROXIMATELY 10'-0" ON CENTER IN EACH DIRECTION. JOINTS SHALL FORM NEARLY SQUARE SHAPES. CONTRACTOR SHALL COORDINATE JOINT LOCATIONS WITH TILE LAYOUT AS SHOWN IN THE FLOOR PLANS AND FLOOR FINISH PLANS AS APPLICABLE.
14. WHERE DOWELS, BOLTS OR INSERTS ARE CALLED TO BE ANCHORED TO CAST IN PLACE OR PRECAST CONCRETE ELEMENTS USING EPOXY ADHESIVES, USE ANCHORAGE SYSTEM EQUAL TO "MILT" HIT RE 500 INJECTION ADHESIVE. FOLLOW ALL MANUFACTURERS RECOMMENDATIONS. ALTERNATE ANCHORAGE SYSTEMS MAY BE USED WITH ENGINEER'S PRIOR APPROVAL.
15. SAWN CONTROL JOINTS SHALL BE PLACED AS SOON AS CONCRETE IS ABLE TO BE SAWN WITHOUT PULLING OUT AGGREGATE FROM FLOOR. SLABS SHALL NOT BE LEFT OVERNIGHT, OR ANY REASONABLE AMOUNT OF TIME, WITHOUT SAWING JOINTS. WEATHER IS CRITICAL TO SCHEDULE OF SAWN JOINTS. IF LARGE AREAS OF SLAB ARE POURED AT ONE TIME, SEVERAL SAWS MAY BE REQUIRED TO PROVIDE JOINTS IN TIME TO PREVENT SHRINKAGE CRACKING. PROPER JOINTING OF SLAB IS CRITICAL. REFER TO ACI MANUAL OF CONCRETE PRACTICE FOR PROPER JOINTING TECHNIQUES.
16. DETAILING, MATERIALS AND INSTALLATION OF CONCRETE REINFORCING STEEL SHALL MEET REQ. AS SET FORTH BY CRSI AND THE AMERICAN CONCRETE INSTITUTE AND THE APPLICABLE BUILDING CODE.
17. SHOP DRAWINGS SHALL BE SUBMITTED INDICATING COMPLETE INFORMATION REQUIRED FOR CONSTRUCTION OF THE REINFORCED CONCRETE ELEMENTS. SHOP DRAWINGS SHALL INCLUDE LAYOUT AND DIMENSIONS OF REINFORCING INCLUDING ANY OPENINGS, CONVENTIONAL REINFORCEMENT DETAILS, CONNECTION DETAILS, PROCEDURES AND SEQUENCES ETC.
18. WHEN PLACING CONCRETE IN HOT WEATHER, REFER TO ACI 305R. WHEN PLACING CONCRETE IN COLD WEATHER, REFER TO ACI 306.1.

GENERAL FOUNDATION AND SLAB ON GRADE NOTES

1. REFER TO METC GEOTECHNICAL ENGINEERING SERVICES REPORT NO. OGR-24053 DATED APRIL 2024. THE CONTRACTOR SHALL FOLLOW ALL RECOMMENDATIONS AS INCLUDED IN THE REPORT.
2. FOUNDATIONS SHALL BE FOUNDED ON A MINIMUM OF 5'-0" OF 7.5% BULKING, OVERSIZED FILL. A COMPACTED GRAVEL BASE MAY BE REQUIRED DEPENDING ON SOIL CONDITIONS.
3. IN THE AREA OF THE STRUCTURE, EXISTING ORGANIC MATERIAL, UNSUITABLE SOIL, ABANDONED FOOTINGS, EXPANSIVE SOILS, UTILITIES AND ANY OTHER EXISTING UNSUITABLE MATERIALS SHALL BE REMOVED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. ALL FILL AND COMPACTION SHALL BE AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ADEQUATE FIELD DENSITY AND MOISTURE CONTENT TESTS SHALL BE PERFORMED TO ENSURE COMPLIANCE WITH REQUIREMENTS.
4. TESTING OF CONTROLLED STRUCTURAL FILL SHALL BE DONE BY A QUALIFIED TESTING LABORATORY RETAINED BY THE OWNER. SEE STRUCTURAL DRAWINGS FOR REQUIRED SPECIAL INSPECTIONS AND TESTING. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK WITH INSPECTOR.
5. AFTER STRIPPING SITE AND PRIOR TO PLACEMENT OF ANY FILL, NOTIFY SPECIAL INSPECTOR/TESTING AGENCY FOR INSPECTION OF SOIL CONDITIONS. INSPECTION SHALL INCLUDE PROOF ROLLING SITE WITH HEAVY EQUIPMENT PROVIDED BY THE CONTRACTOR.
6. AFTER EXCAVATION FOR FOUNDATIONS AND PRIOR TO PLACEMENT OF STEEL REINFORCEMENT OR CONCRETE, NOTIFY SPECIAL INSPECTOR/TESTING AGENCY FOR INSPECTION OF SOIL CONDITIONS. WHEN SOIL OF INADEQUATE STRENGTH IS NOTED, CONTRACTOR SHALL FURTHER DEEPEN EXCAVATIONS UNTIL SUITABLE BEARING CONDITIONS ARE VERIFIED BY TESTING. OVEREXCAVATIONS MAY BE BACKFILLED WITH SUITABLE COMPACTED ENGINEERED FILL, SUITABLE GRANULAR BASE, OR STRUCTURAL CONCRETE BACKFILL (SEE GEOTECHNICAL REPORT FOR RECOMMENDATIONS).
7. EXTERIOR FOOTINGS SHALL BEAR AT MIN. DEPTHS AS NOTED IN FOUNDATION DETAILS AND PLANS, 24" MINIMUM BELOW EXTERIOR FINISH GRADE, OR INTO APPROVED BEARING STRATA, WHICHEVER DEPTH IS GREATER. NOTE THAT FOOTING BEARING ELEVATIONS GIVEN ON THE PLANS ARE ESTIMATED DEPTHS ONLY. WHERE UNSUITABLE SOIL IS ENCOUNTERED, FOOTING DEPTHS MAY VARY.
8. EXCAVATION FOR FOOTINGS SHALL BE CUT TO ACCURATE SIZE AND DIMENSIONS AS SHOWN ON PLANS. ALL SOIL BELOW SLABS AND FOOTINGS SHALL BE PROPERLY COMPACTED AND SUBGRADE BROUGHT TO A REASONABLE TRUE AND LEVEL PLANE BEFORE PLACING CONCRETE.
9. CONTINUOUS FOOTINGS AND INDIVIDUAL FOOTINGS ARE DESIGNED FOR A NET ALLOWABLE SOIL BEARING OF:
9.1. CONTINUOUS FOOTINGS: 1200 PSF
9.2. INDIVIDUAL FOOTINGS: 1500 PSF
FOR EITHER NATURALLY OCCURRING SOIL OR COMPACTED ENGINEERED FILL.
10. TYPICAL POST TENSIONED SLABS ON GRADE
10.1. THICKNESS: 4" THICK NORMAL WEIGHT CONCRETE
10.2. REINFORCING: #3 BARS @ 18" O.C. E.W.
10.2.1. SEE POST TENSIONED CONCRETE NOTES FOR ADDITIONAL REQUIREMENTS.
10.2.2. DO NOT SAW CUT POST TENSIONED SLABS.
10.3. VAPOR BARRIER: 15 MIL, STEGO WRAP CLASS A OR EQUIVALENT
10.4. SUBGRADE: A MINIMUM OF 8" OF FREE-DRAINING GRANULAR BASE, COMPACTED PER RECOMMENDATIONS OF GEOTECHNICAL ENGINEER.
11. MAINTAIN REINFORCING 1-1/2" TO 2" BELOW TOP SURFACE OF SLABS ON GRADE. PROVIDE BOLSTERS, CHAIRS OR OTHER MEANS APPROVED IN WRITING BY THE ENGINEER TO PROPERLY LOCATE REINFORCING. GRANULAR BASE SHALL BE #57 STONE OR APPROVED EQUAL UNLESS OTHERWISE INDICATED IN GEOTECHNICAL REPORT. REFER TO ASTM D448 FOR GRADATION.
12. CONTRACTOR IS RESPONSIBLE TO MAINTAIN EXCAVATIONS AND BACKFILL MATERIALS AT AN APPROPRIATE MOISTURE CONTENT FOR PROPER SOIL BEARING CAPACITY AND COMPACTION OF BACKFILL MATERIALS WITH REGARD TO THE REQUIREMENTS OF THE SOILS REPORT.
13. CONTRACTOR SHALL COORDINATE WITH THE CIVIL / SITE DRAWINGS TO DETERMINE WHETHER FOUNDATION DRAINS AROUND PERIMETER OF BUILDING AND/OR UNDER THE SLAB-ON-GRADE SHALL BE REQUIRED AND, IF SO, SHALL RUN TO DAYLIGHT OR EXTENDED TO THE STORM SEWER.
14. AT RETAINING WALLS FILTER FABRIC SHALL BE PLACED AT THE INTERFACE BETWEEN THE DRAINAGE FILL AND EITHER NATURAL OR COMPACTED SUBGRADE. PERFORATED DRAINS SHALL ALSO BE WRAPPED WITH FILTER FABRIC.

POST TENSIONED SLAB ON GROUND NOTES

1. POST-TENSIONED SLAB ON GROUND SHOP DRAWINGS UTILIZING A UNIFORM OR RIBBED DESIGN SHALL BE SUBMITTED FOR APPROVAL. REFER TO GEOTECHNICAL REPORT FOR DESIGN PARAMETERS.
2. DESIGN, DETAILING, MATERIALS AND INSTALLATION OF POST-TENSIONED SLABS SHALL MEET REQUIREMENTS AS SET FORTH BY THE POST-TENSIONING INSTITUTE AND THE AMERICAN CONCRETE INSTITUTE AND THE APPLICABLE BUILDING CODE. DESIGN AND DETAILING SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.
3. SHOP DRAWINGS SHALL BE SUBMITTED INDICATING COMPLETE INFORMATION REQUIRED FOR CONSTRUCTION OF THE POST-TENSIONED SLABS. SHOP DRAWINGS SHALL INCLUDE LAYOUT AND DIMENSIONS OF SLABS INCLUDING ANY OPENINGS, POST-TENSIONING TENDON LAYOUT, TENDON ANCHORAGE COMPONENTS, CONVENTIONAL REINFORCEMENT DETAILS, SHEAR HEAD REINFORCING DETAILS, CONNECTION DETAILS, STRESSING PROCEDURES AND SEQUENCE, ETC. SHOP DRAWINGS AND CALCULATIONS SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.
4. THE POST-TENSION DESIGNER IS RESPONSIBLE FOR ALL ASPECTS OF THE PT SLAB DESIGN. THIS SHALL INCLUDE ANY ADDITIONAL BEAMS OR SUPPORTS REQUIRED AND OTHER ELEMENTS REQUIRED TO PROVIDE A COMPLETE SLAB SYSTEM. THE DESIGN OF THE FOUNDATION SYSTEM, COLUMNS AND SHEAR WALLS ARE NOT INCLUDED AS PART OF THE POST-TENSIONED SLAB DESIGNER'S RESPONSIBILITY; HOWEVER, ANY INFORMATION THAT MIGHT AFFECT THE DESIGN OF THE STRUCTURE SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
5. CONCRETE SHALL CONFORM TO THE CONCRETE NOTES ON THIS SHEET.
6. TENDON PLACEMENT AND STRESSING SHALL BE PER POST-TENSIONED SLAB SHOP DRAWING REQUIREMENTS. PLACEMENT AND STRESSING SHALL BE PERFORMED BY EXPERIENCED PERSONNEL, FAMILIAR WITH POST-TENSIONED CONSTRUCTION.
7. POST-TENSIONED SLAB SYSTEM SHALL BE DESIGNED FOR LOADING AS INDICATED IN PLANS AND PER APPLICABLE BUILDING CODE REQUIREMENTS.
8. SLAB DEFLECTIONS SHALL ALLOW FOR A LONG TERM CREEP COEFFICIENT OF 2.0. DEFLECTIONS SHALL BE LIMITED AS FOLLOWS: TOTAL DEFLECTIONS (DL + LL + CREEP) < L/240 LIVE LOAD DEFLECTIONS < L/360.
9. AT TRANSFER OF POST-TENSIONING, CONCRETE STRENGTH SHALL BE A MINIMUM OF 3,000 PSI.
10. POST-TENSIONING TENDON MATERIAL
1) DESIGNATION: ASTM A416
2) ULTIMATE STRENGTH: 270 KSI
11. SUPPLIER SHALL SUBMIT CALCULATIONS FOR ALL LOSSES FOR SPECIFIED STRESSING LENGTHS TO ENSURE MINIMUM FINAL EFFECTIVE FORCE IS MAINTAINED.
12. TENDONS SHALL HAVE THEIR HEAT NUMBER MARKED ON THE TAG ATTACHED TO THE TENDON.
13. ANCHORAGE HARDWARE SHALL BE IN ACCORDANCE WITH I.C.B.O. REPORT 4164, TYPE U-S, AS SUPPLIED BY I.C.B.O. APPROVED SUPPLIER.
14. TENDONS SHALL BE SECURED TO A SUFFICIENT NUMBER OF POSITIONING DEVICES TO ENSURE CORRECT LOCATION DURING PLACEMENT OF CONCRETE, AND SHALL BE SPACED AT NOT MORE THAN 4'-0" O.C.
15. PLACE A MINIMUM OF 2-#4's AT EDGE OF SLAB AT ANCHORS.
16. ALL POCKETS REQUIRED FOR ANCHORAGE SHALL BE REINFORCED SO AS NOT TO DECREASE THE STRENGTH OF THE STRUCTURE. ALL DAMAGE TO MASTIC SHEETING AROUND TENDONS SHALL BE REPAIRED.
17. GROUT OR CONCRETE CONTAINING CHLORIDES SHALL NOT BE USED IN THE VICINITY OF THE TENDONS OR ANCHORS
18. CONTINUOUS INSPECTION IS REQUIRED FOR ALL STRESSING WORK. RECORDS OF JACKING STRESSES AND ELONGATIONS SHALL BE SUBMITTED TO THE ENGINEER AS SOON AS POSSIBLE AFTER STRESSING.
19. DURING STRESSING, FIELD TESTS SHALL BE DONE BY JACKING TENDONS TO DETERMINE BEHAVIOR OF THE TENDONS. FIELD READINGS OF ELONGATIONS AND STRESSING FORCES SHALL BE CALIBRATED WITH TESTS. FIELD READINGS ON STRESSES AND ELONGATIONS SHALL NOT VARY FROM CALCULATED REQUIRED VALUES BY MORE THAN 7%.
20. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE P.T. SLAB DESIGNER WITH ACCURATE SIZE AND LOCATION OF ALL SLAB PENETRATIONS, WHICH SHALL BE SHOWN ON P.T. SLAB SHOP DRAWINGS AND PROVIDED FOR IN CALCULATIONS. NO APPROVAL TO PROCEED WITH SLABS WILL BE GIVEN UNTIL OPENINGS ARE ACCURATELY SHOWN ON SHOP DRAWINGS. ANY CHANGES OR ADDED SLAB OPENINGS SHALL BE DOCUMENTED AND APPROVED BY THE SLAB DESIGNER AND THE ENGINEER OF RECORD.

STATEMENT OF SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS ARE REQUIRED IN ACCORDANCE WITH IBC CHAPTER 17.

MEANS AND METHODS

1. DESIGN LOADINGS AND STRUCTURAL ANALYSIS IS BASED ON CODE PRESCRIBED LOADS FOR THE COMPLETED STRUCTURE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION.
3. THIS STRUCTURE IS DESIGNED TO BE STABLE AS A COMPLETED WHOLE. ANY AND ALL TEMPORARY BRACES AND SHORING REQUIRED TO RESIST ALL LOADS DURING CONSTRUCTION SHALL BE DESIGNED AND SUPPLIED BY THE CONTRACTOR.
4. HEAVY LOADS THAT EXCEED 75% OF ALLOWABLE LIVE LOADS SHOWN ON THE PLANS, FOR TEMPORARY EQUIPMENT, CONSTRUCTION MATERIALS, OR OTHER LOADS NOT SHOWN IN THE CONTRACT DOCUMENTS, SHALL NOT BE PLACED OR SUPPORTED FROM ELEVATED STRUCTURE WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

PRE-ENGINEERED METAL BUILDING NOTES

1. COMPONENT ROOFING, BRACING, FRAMING, HAT CHANNELS, PURLINS AND GIRTS SHALL BE ENGINEERED, DESIGNED AND FABRICATED PER METAL BUILDING INDUSTRY STANDARDS. SUBMIT COMPONENT INFORMATION INCLUDING SIZE, LAYOUT, DETAILS AND INSTALLATION PROCEDURES. ACCOMMODATIONS SHALL BE MADE FOR SUPPORT OF CONCENTRATED LOADS AS SHOWN ON DRAWINGS.
2. METAL BUILDING COMPONENTS SHALL CONFORM TO LOCATION, SIZE, CONFIGURATIONS AND CONTROLLING HEIGHTS AS SHOWN IN THE DRAWINGS. VARIATIONS MAY BE ALLOWED ONLY BY WRITTEN APPROVAL OF THE ENGINEER.
3. THE FOUNDATIONS ARE DESIGNED TO SUPPORT ASSUMED MAXIMUM VERTICAL AND HORIZONTAL LOADS AT BUILDING FRAMES AND ENDWALL COLUMNS. NOTIFY ENGINEER OF THE ACTUAL BUILDING DESIGN LOADS FOR VERIFICATION OF FOUNDATION DESIGN.
4. PEDESTAL SIZES FOR METAL BUILDING COLUMNS ARE SHOWN IN DETAILS. REQUIRED DIMENSIONS MAY VARY FOR DIFFERENT METAL BUILDING MANUFACTURERS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND PROVIDE PEDESTALS PER MANUFACTURER REQUIREMENTS. SUBMIT ANY VARIATIONS FOR APPROVAL.
5. METAL BUILDING SUPPLIER SHALL PROVIDE TEMPLATES TO THE CONTRACTOR FOR ANCHOR BOLT PLACEMENT.
6. THE METAL BUILDING SUPPLIER SHALL DESIGN THE METAL BUILDING SYSTEM ASSEMBLIES TO WITHSTAND DESIGN LOADS INDICATED WITH LIVE LOAD DEFLECTIONS NO GREATER THAN THE FOLLOWING:
- 6.1. MEMBERS AND COMPONENTS: L/360
- 6.2. LATERAL DRIFT: H/180 (WIND)
H/120 (SEISMIC)

NEW AIR EVAC FACILITY
FOR THE CITY OF DURANT, OK

STREET ADDRESS
CITY, COUNTY, STATE ZIP

INTERIM REVIEW ONLY

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ENGINEER OF RECORD:
CHARLES M. TAYLOR, PE
ARCHITECTURAL LICENSE #: 29199

PROJECT NUMBER:
24006 AEDO

REVISION:

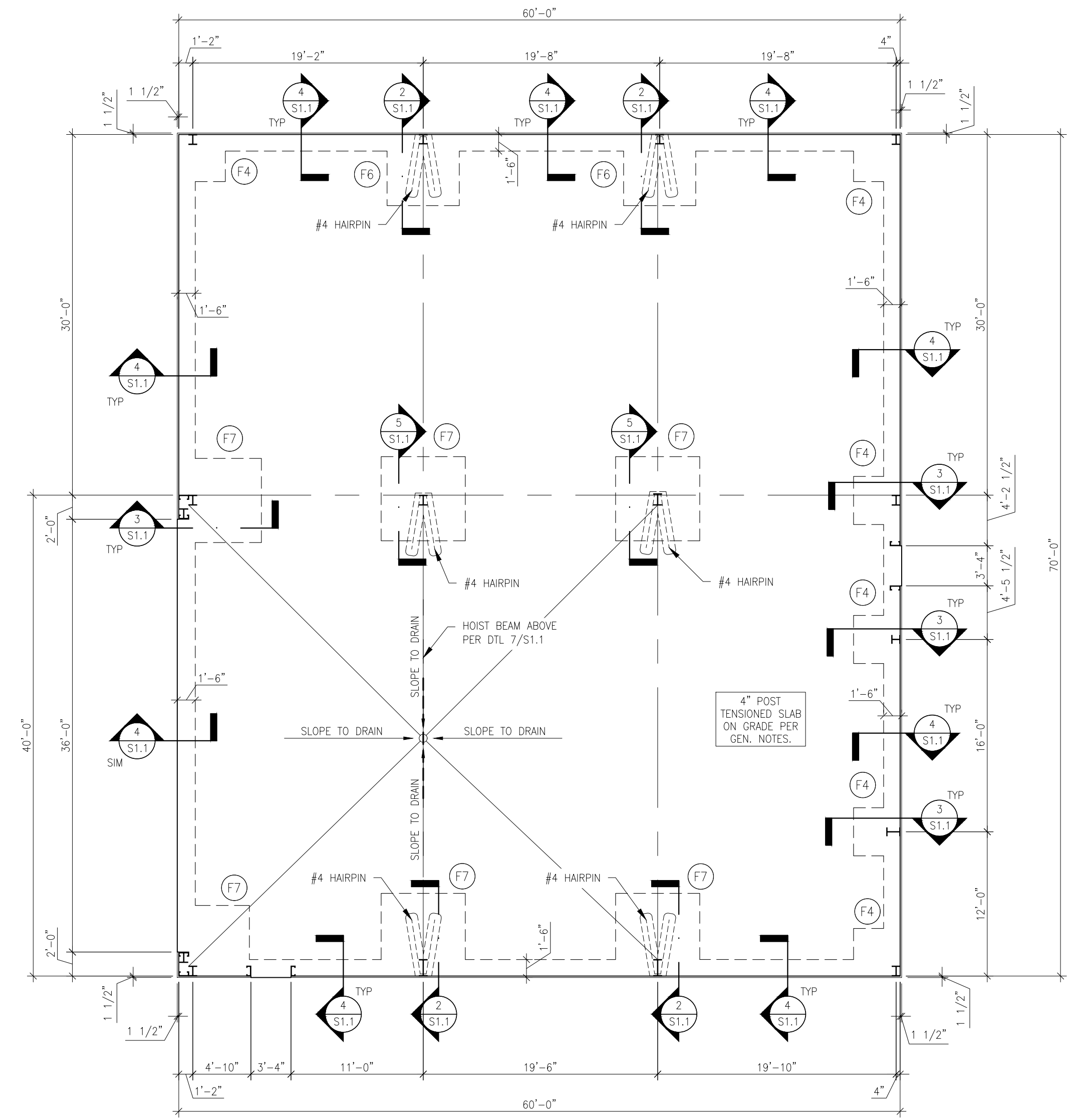


engineering consultants

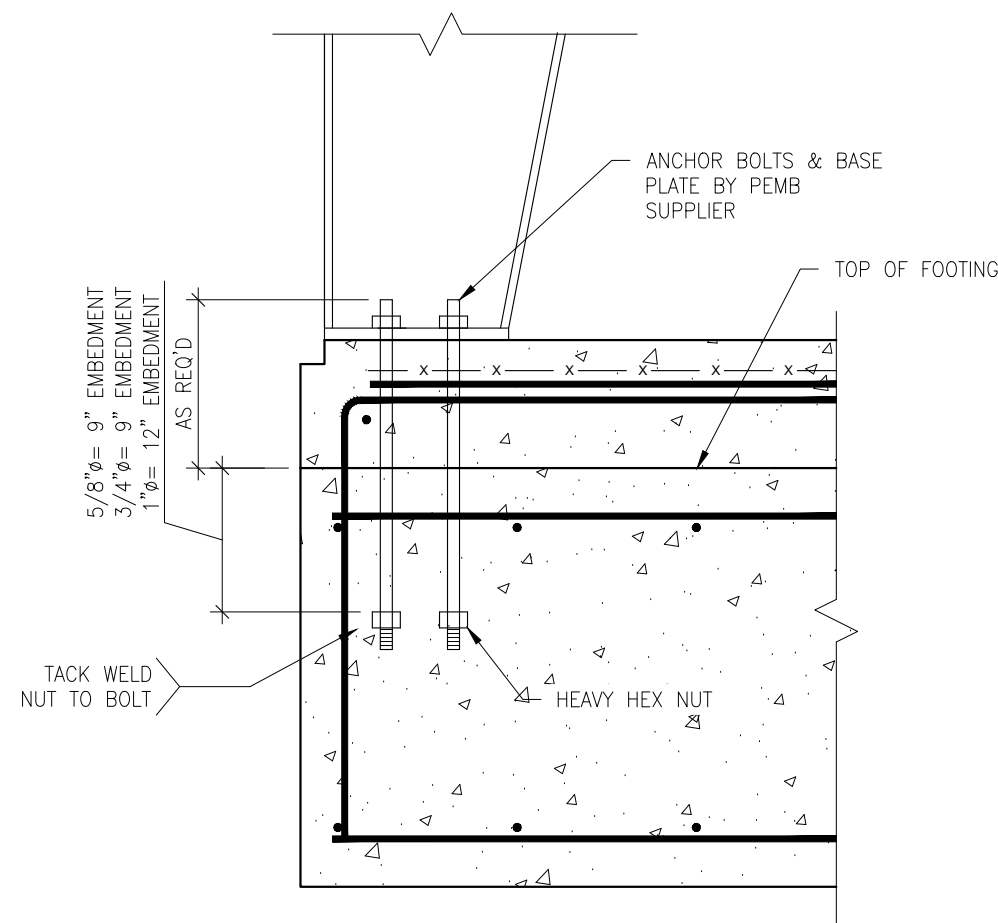
OK CERTIFICATE OF AUTHORITY: CA7386

S0.0
GENERAL NOTES

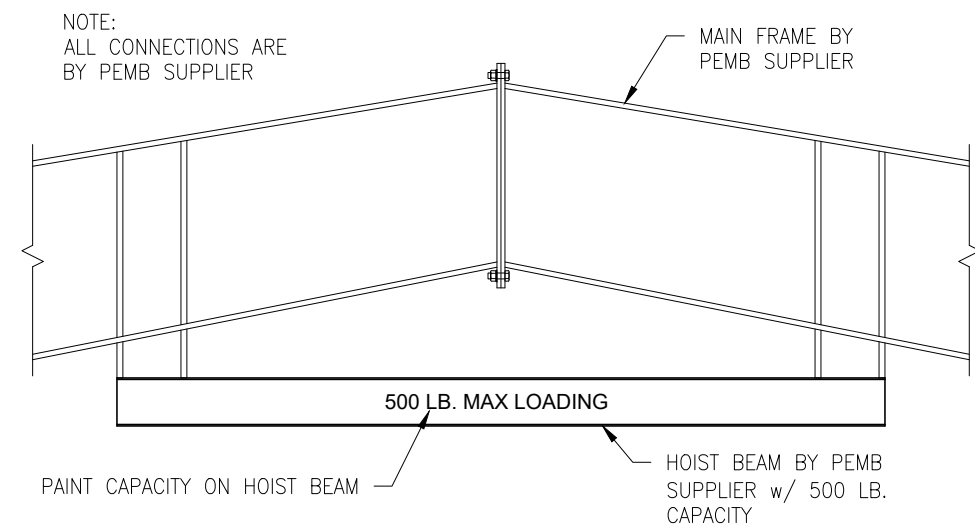
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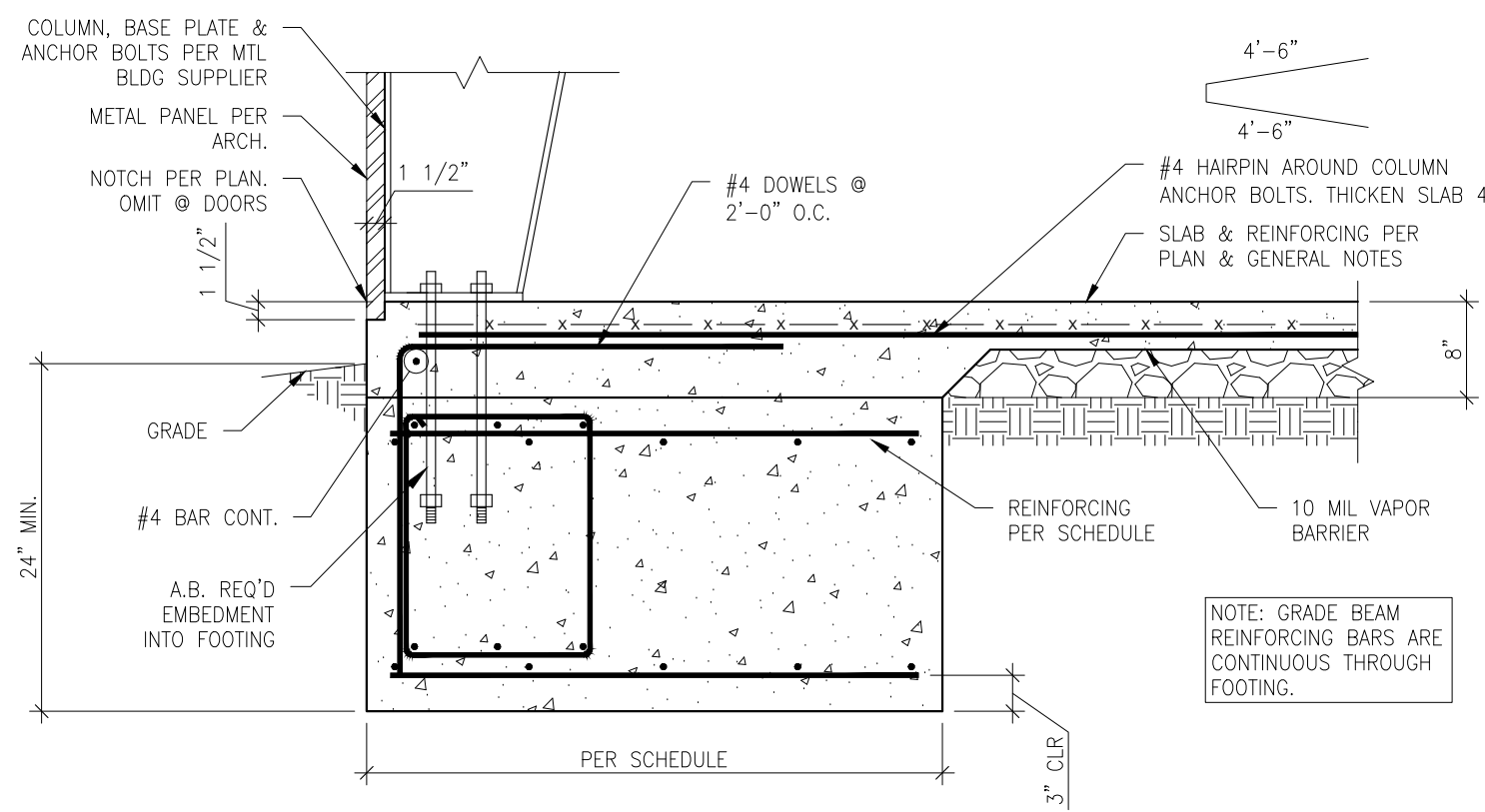
1 FOUNDATION PLAN
SCALE : 1/8"=1'-0"



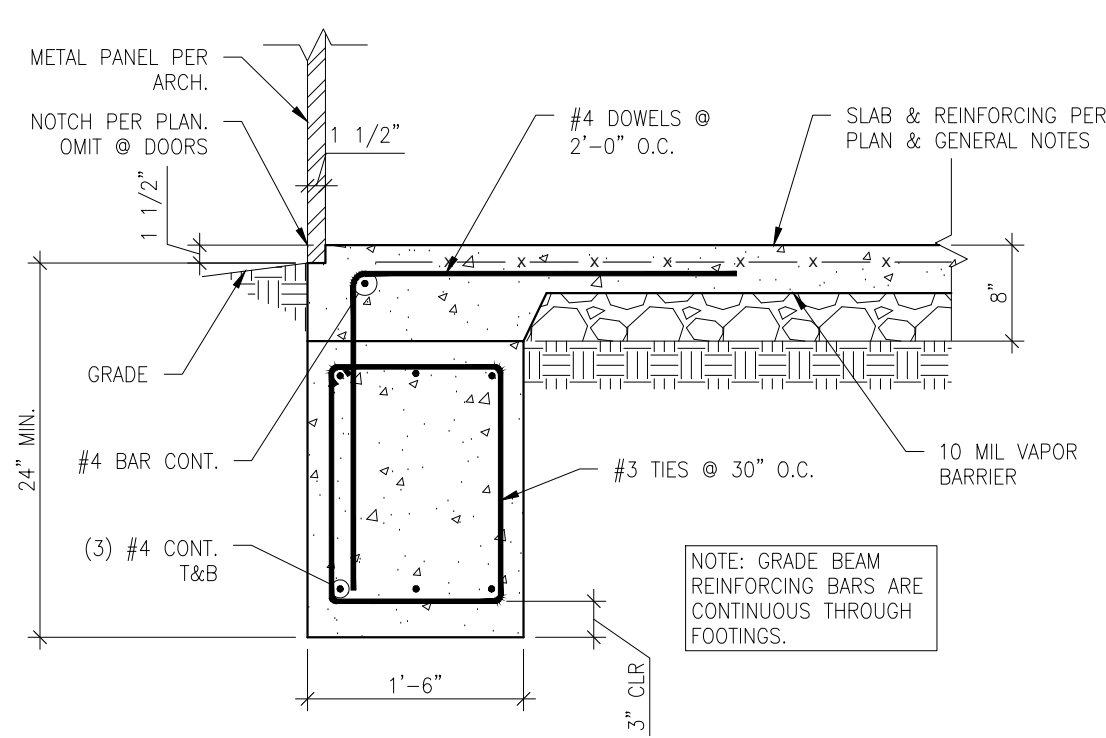
6 ANCHOR BOLT DETAIL
SCALE : 1"=1'-0"



7 HOIST BEAM DETAIL
SCALE : 1/2"=1'-0"



2 RIGID FRAME FOOTING DETAIL
SCALE : 3/4"=1'-0"

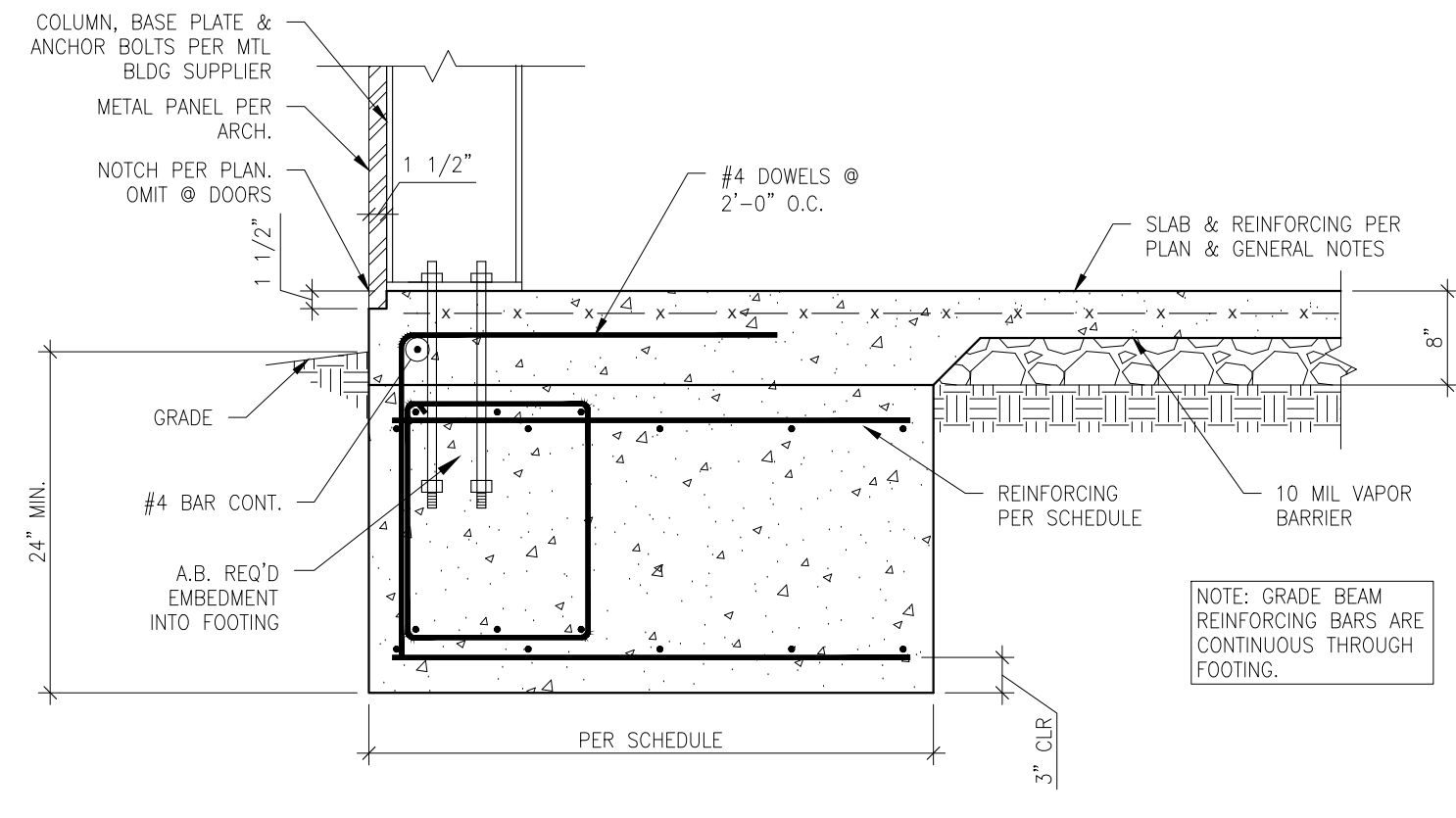


4 GRADE BEAM DETAIL
SCALE : 3/4"=1'-0"

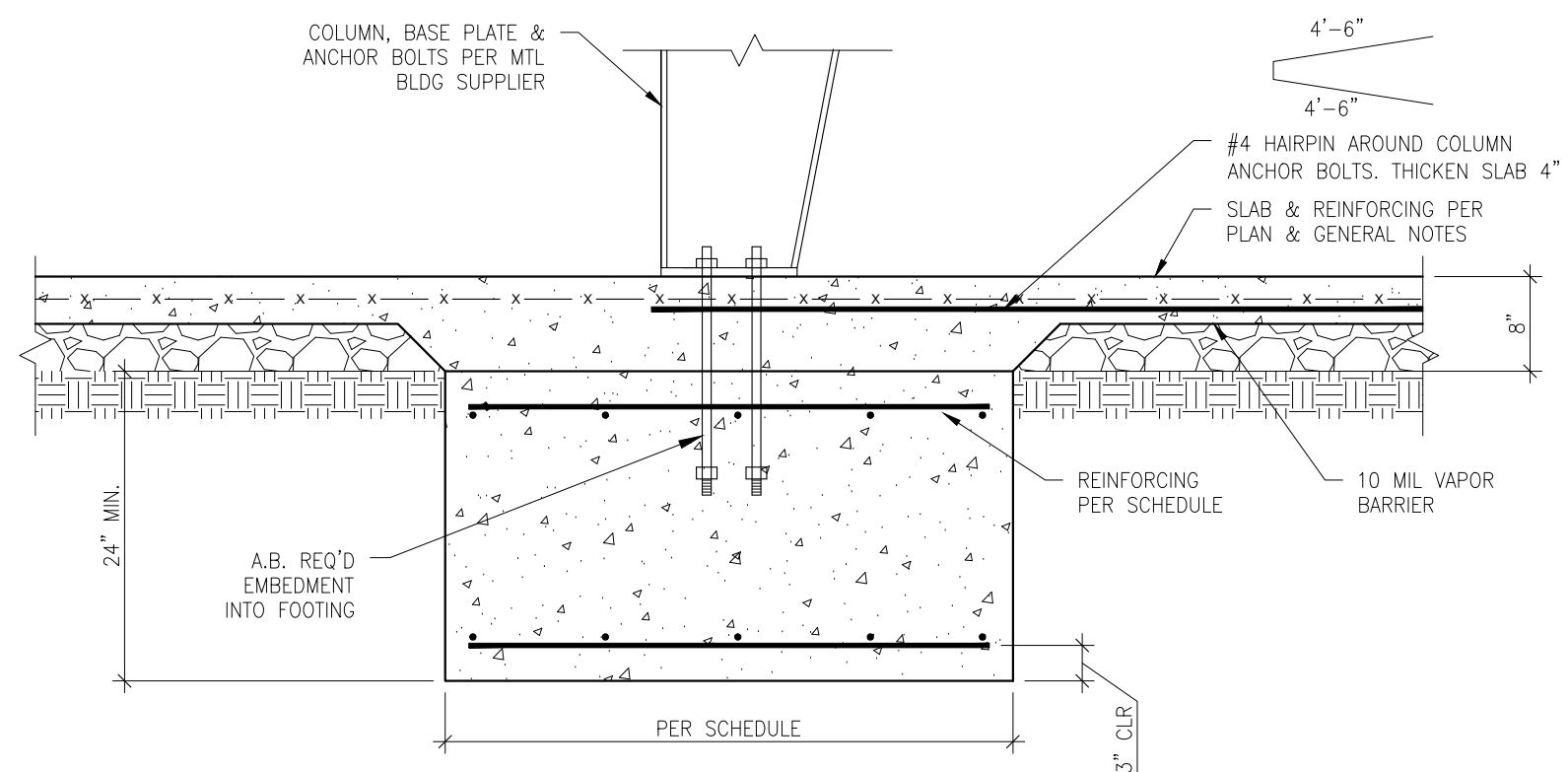
FOOTING SCHEDULE			
FOOTING MARK	FOOTING SIZE	REINFORCING	NOTES
F4	4'-0" x 4'-0"	(5) #6% E.W. T&B	-
F6	6'-0" x 6'-0"	(7) #6% E.W. T&B	-
F7	7'-0" x 7'-0"	(8) #6% E.W. T&B	-

X FOOTING SIZE

- SHEET NOTES
- COORDINATE ALL DIMENSIONS w/ THE PEMB SUPPLIER PRIOR TO THE START OF CONSTRUCTION.
 - COORDINATE FLOOR DRAIN LOCATIONS w/ ARCH. & MEP. SLOPE SLAB TO DRAINS 1/8":1'-0".
 - SOILS SHALL BE REWORKED TO A DEPTH OF 5'-0" BELOW THE FINAL GRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.



3 ENDWALL COLUMN FOOTING DETAIL
SCALE : 3/4"=1'-0"



5 INTERIOR COLUMN FOOTING DETAIL
SCALE : 3/4"=1'-0"

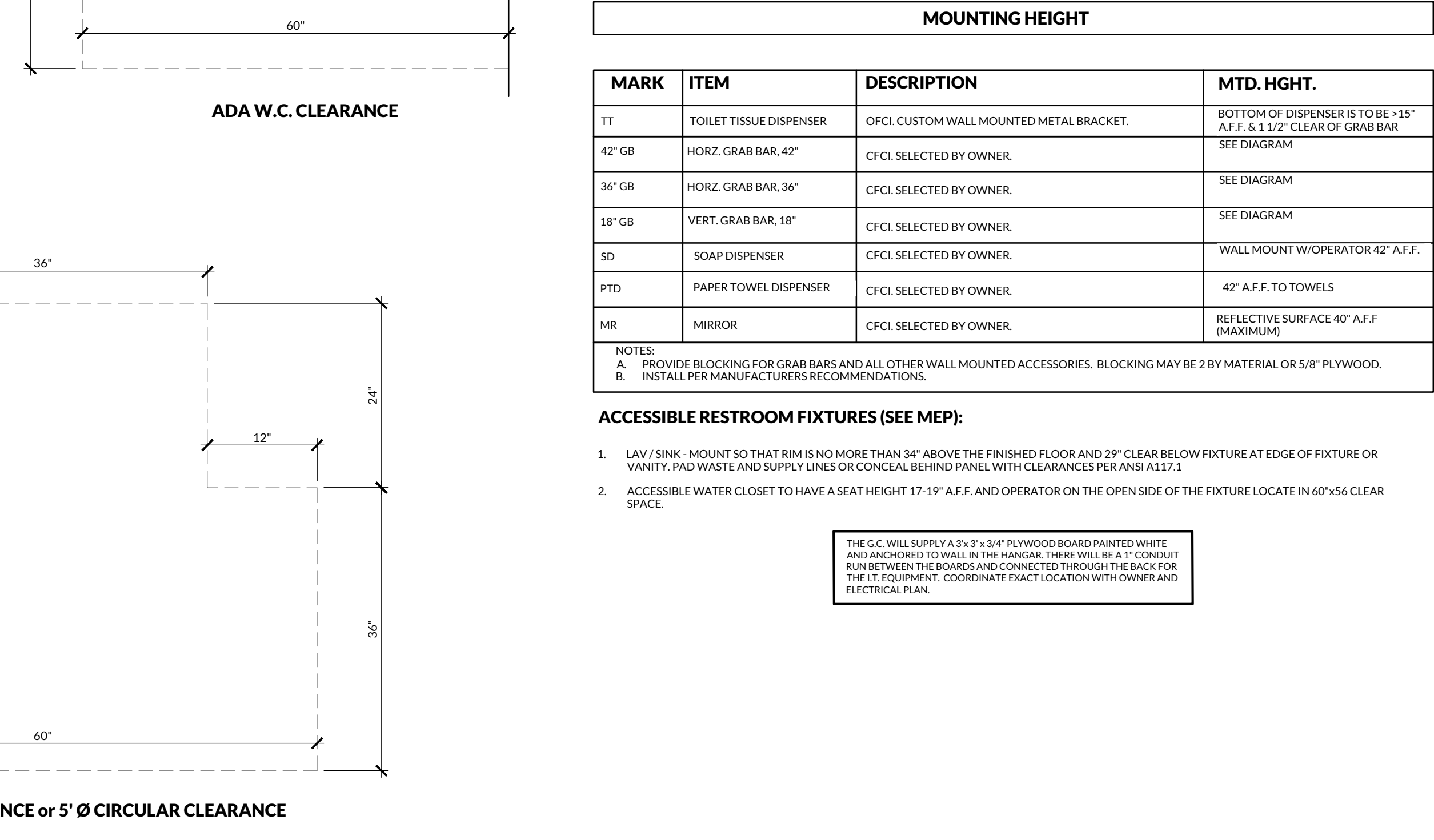
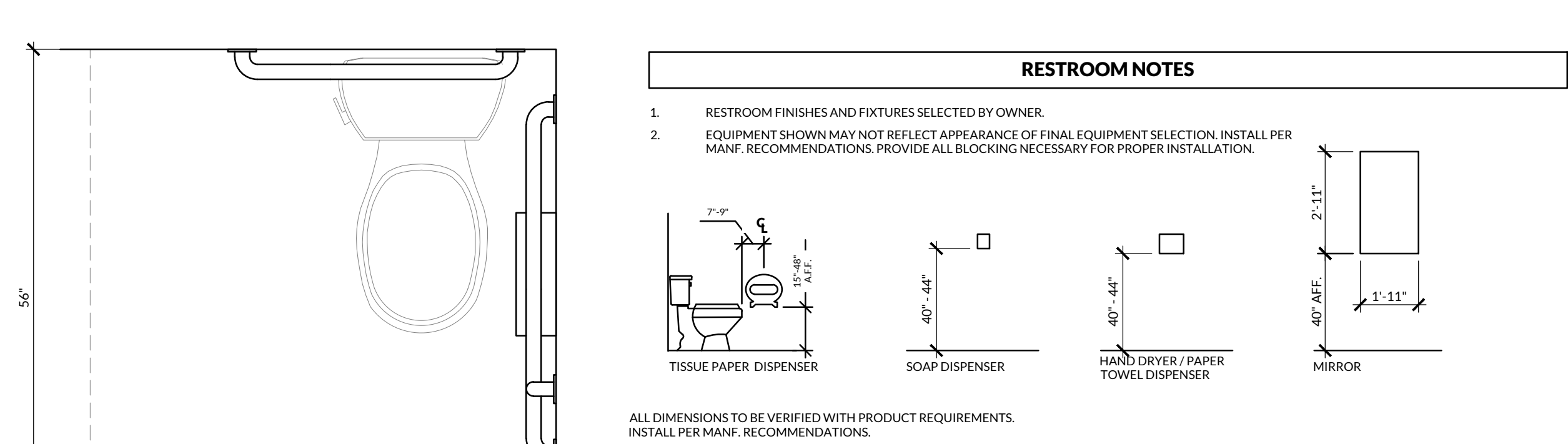
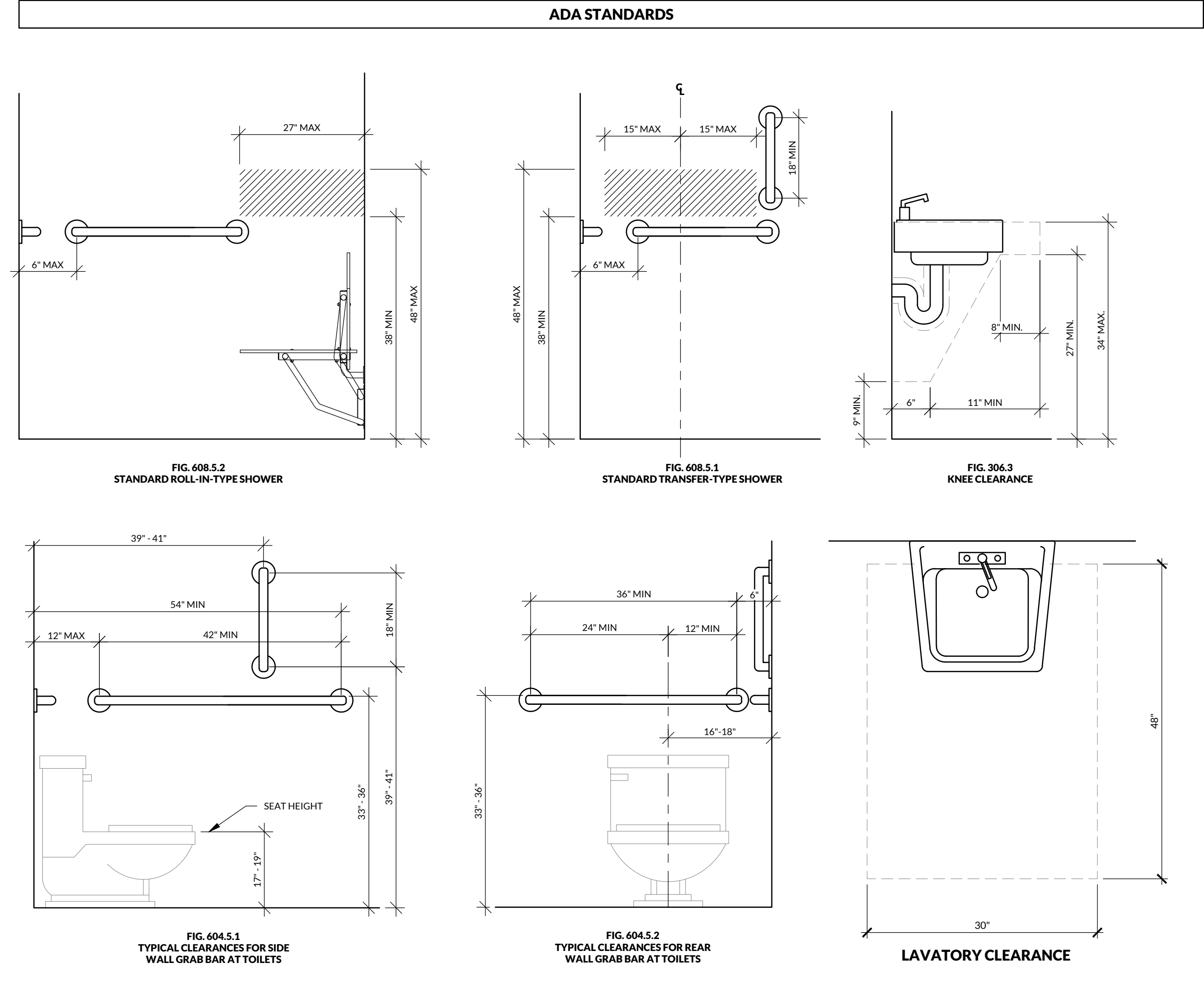
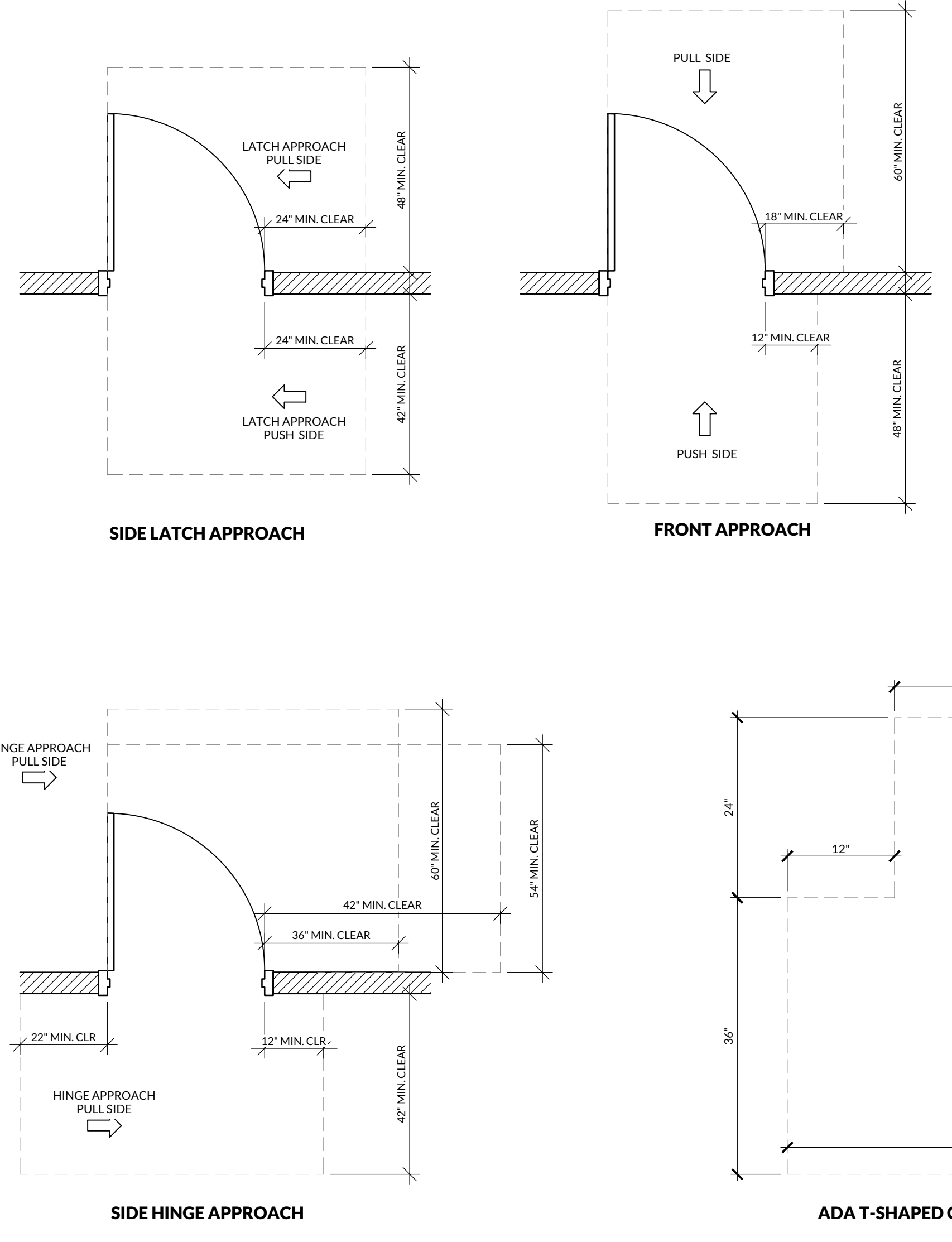
TYPICAL SYMBOL LEGEND		
DETAIL NUMBER DETAIL DESIGNATION	SHEET NUMBER 12/A3.4 Room Name 101 ROOM NUMBER 150 SF	ELEVATION HEIGHT TO WALL ELEV = 106'-0"
SQUARE FOOTAGE ROOM TAG	FINISH TAG	
DOOR TAG	ELEVATION TAG	
SECTION CUT TAG	CEILING HEIGHT	
ROOF SLOPE	WINDOW TAG	
WALL TYPE/ PARTITION TYPE	REVISION DELTA	
ENLARGED DETAIL	GRID BUBBLE	
BUILDING SHELL	WALL PARTITION	
FIRE EXTINGUISHER	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET. MAXIMUM TRAVEL DISTANCE 75'-0" MAXIMUM AREA 12,500 S.F.	

MATERIAL INDICATION		
CONCRETE		FINISHED WOOD
DIMENSIONAL LUMBER		GYPSUM BOARD
RIGID INSULATION		PLYWOOD
BATT OR BLOWN INSULATION		GLASS
EARTH/BACKFILL		CMU

ABBREVIATIONS			
A/B A/C ACCOUST. ADD'L A.F.F. AF AI ALT. ALUM ANCH. ARCH @ B.B. B.F. BD. BOARD BKT. BLDG BLK BLK'G BM B.M. B.O. BRG BSMT C.S. CAB C.C. CEM CF CFCI CI CL CLG C.O. COL CONC CONF CONN CONSTR CONT CONTR COORD CORR CTR CYL C.W. CP DBL DEG D.F. DEMO DIA Ø DIAG DIM D.O. DTL DR D.S. EA ELEC EL ELEV ELEV E.W.C. EQUIP EXIST'G EXP EXPAN. EXT F.B.O. F.D. F.E. F.E.C. F.E.B. FIN F.G. F.L. FLASHG FUR F.O.M. FND FOUND FR FRM FURN F.R.	ANCHOR BOLT AIR CONDITIONING ADDITIONAL ABOVE FINISH FLOOR AS FURNISHED AS INSTALLED ALTERNATE ALUMINUM ANCHOR ARCHITECT AT BOTTOM OF BEAM BOTTOM OF FOOTING BOARD BRACKET BUILDING BLOCK BLOCKING BEAM BENCH MARK BOTTOM OF BEARING BASEMENT COUNTERSUNK CABINET CENTER-TO-CENTER CEMENT CONTRACTOR FURNISHED CONTRACTOR FURNISHED CONTRACTOR INSTALLED CONTRACTOR INSTALLED CENTERLINE CEILING CLEAN-OUT COLUMN CONCRETE CONFERENCE CONNECTION CONSTRUCTION CONTINUOUS CONTRACTOR COORDINATE CORRIDOR/ CORRUGATED CENTER CYLINDER CENTER LINE COLD WATER DEEP DOUBLE DEGREE DEGREE DRINKING FOUNTAIN DEMOLITION DIAMETER DIAGONAL DIMENSION DO OVER DETAIL DOOR DOWNSPOUT EACH ELECTRICAL ELEVATION (HEIGHT) ELEVATION (VIEW) ELEVATOR ELECTRIC WATER COOLER EQUIPMENT EXISTING EXPOSED EXPANSION EXTERIOR/EXTENSION FURNISHED BY OTHERS FLOOR DRAIN FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE EXTINGUISHER BRACKET FINISH FINISH GRADE FLOW LINE FLASHING FLOOR FACE OF MASONRY FOUNDATION FOUNDATION FIRE RETARDANT FRAME FURNISHED FIRE RETARDANT TREATED	FOOTING FURRING GA. GAL. GALV GC G.I. GL. GLAZ. GOVT G.S. GEN GYPSUM HDWR H.D. HOL HORIZ H HT. HTG HTR H.W. I.D. INSUL INT INV JNT JSTS K.E.S. LAM LAV LG LH LHR LIN LVS MASC MAT'L MAX MEZZ MFRD MFR MID MIN MISC MK M.O. MTD MTL MULL NOM NTS O.A. O.C. O.D. OFCI OFOI O/H O/V OPN'G OPP PART P.E.M.B. PERIM P.G. PLAM PLAS PL PLUMB'G PLY P.P. PAIR PVC Q.T. R RCP REFR RE RH RH RL R.O. RES	REQUIRED REQUIREMENT ROTARY-TURBINE VENT REGULAR SAFETY SANITARY SCHEDULE S.C. SECTION SHEET SIMILAR SPEC STD STL STOR STRUCT SURF SUSP SYST S.W. TYP T.O. U.N.O. VCP VEST VERT VOL VCT W W/ WD W.D. W.DW WWF W.P. WT VITRIFIED-CLAY-PIPE VESTIBULE VERTICAL VOLUME VENT-THRU-ROOF VINYL COMPOSITION TILE WIDE WITH WOOD WINDOW DIMENSION WINDOW WELED WIRE FABRIC WEATHER PROOF WEIGHT

- GENERAL NOTES
- ALL CONSTRUCTION SHALL ABIDE BY THE INTERNATIONAL BUILDING CODE AND ALL LOCAL CODES AND ORDINANCE SET FORTH BY AUTHORITY HAVING JURISDICTION.
 - ARCHITECTURAL DIMENSIONS ARE GIVEN FROM FACE OF STUDS, CONCRETE, MASONRY, OR COLUMN GRID LINES UNLESS NOTED OTHERWISE (U.N.O.).
 - CONTACT THE ARCHITECT OF RECORD IF DISCREPANCIES ARE FOUND IN THE EXISTING CONDITIONS FROM WHAT IS SHOWN OR NOTED IN THE PLANS. DO NOT SCALE THE DRAWINGS. CONTACT THE ARCHITECT OF RECORD IF THERE IS A DISCREPANCY WITH DIMENSIONS OR IF A DIMENSION IS REQUIRED.
 - PATCH AND REPAIR ANY DAMAGE INCURRED DURING CONSTRUCTION.
 - PROVIDE WATER RESISTANT GYPSUM BOARD AT PLUMBING WALLS AND RESTROOM WALLS.
 - PROVIDE GYPSUM BD. CONTROL JOINTS PER U.S.G. GOOD DESIGN PRACTICES FOR DRYWALL. MAX. 30'-0" BETWEEN JOINTS.
 - ALL HEADERS OVER DOORS OR OTHER OPENINGS SHALL BE MIN. DOUBLE 2x8 WOOD HEADER, UNLESS NOTED OTHERWISE.
 - PROVIDE SOUND BATT INSULATION IN ALL OFFICES, RESTROOMS, WORK STATION, AND COMMON AREA.
 - FIELD VERIFY MILLWORK DIMENSIONS AFTER WALLS ARE CONSTRUCTED TO CONFIRM A TIGHT FIT. PROVIDE SCRIBES AT MILLWORK ABUTTING WALLS.
 - DOORS TAGS MARKED "X" ARE TO BE CONSIDERED EXISTING.
 - COORDINATE ALL FINISHES WITH OWNER.
 - FINISH FIRST FLOOR ELEVATION SHALL BE REFERENCED AS 100'-0".
 - FOR PARTITION TYPES NOT SHOWN, REFER TO RELATED BUILDING SECTIONS. REFER TO INTERIOR ELEVATIONS FOR PLYWOOD BACKING LOCATIONS.
 - ALL PAINTED WALLS SHALL RECEIVE 1 COAT PRIMER & 2 TOP COATS.
 - DIMENSIONED EXISTING CONDITIONS ARE FOR REFERENCE ONLY. GC TO FIELD VERIFY.
 - ALL MANUFACTURERS LISTED ARE FOR BASIS OF DESIGN BIDDING. EQUALS SHALL BE APPROVED UPON WRITTEN CONSENT.
 - PROVIDE AND INSTALL TRANSITION STRIPS AT EACH CHANGE IN FLOORING TYPE LOCATION, TYPICAL.
 - PROVIDE AND INSTALL GROUND MOUNTED WIND CONE EQUAL TO FLIGHT LIGHT WCH L-807 WITH OBSTRUCTION LIGHT, LED INTERNAL LIT, FAA SIZE 1 WIND CONE.
 - PROVIDE AND INSTALL TLOF PERIMETER MARKER LIGHTS EQUAL TO FLIGHT LIGHT HL-392 LED SEMI-FLUSH PERIMETER INSET LIGHT. GREEN OUTPUT: VISIBLE / INFRARED LED OPTION, NIGHT VISION GOOGLE (NVG) COMPATIBLE.
 - PROVIDE AND INSTALL LIGHT CONTROLLER EQUAL TO FLIGHT LIGHT HELIPORT RADIO CONTROLLER WITH PHOTOCCELL OPTION.
 - CONTRACTOR TO CONFIRM COMPATIBILITY OF ALL PRODUCTS AND ELECTRICAL INFRASTRUCTURE PRIOR TO ORDERING.
 - CONTACT FLIGHT LIGHT INC., FOR HELIPORT LIGHTING, WIND CONE, AND MARKER LIGHTING. (800) 806-3548, SALES@FLIGHTLIGHT.COM.
 - PROVIDE AND INSTALL PRE-FABRICATED CONCRETE 6'X8'X6'-2" H SEMI-RECESSED PRECAST SLOPE TOP SHELTER WITH 10 YEAR WARRANTY AGAINST LEAKS. TESTED TO WITHSTAND F5 TORNADO TO MEET FEMA 320 & ICC-500 STANDARDS BY OKLAHOMA SHELTERS OR APPROVED EQUAL.
 - PROVIDE AND INSTALL RECESSED FIRE EXTINGUISHER CABINET EQUAL TO LARSEN'S ARCHITECTURAL SEMI RECESSED FIRE EXTINGUISHER CABINET.

- GENERAL INTERIOR ELEVATION NOTES
- MECHANICAL, ELECTRICAL, AND STRUCTURAL COMPONENTS ARE SHOWN FOR REFERENCE ONLY. SEE MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR SPECIFIC BUILDING INFORMATION. CONTRACTOR TO COORDINATE WITH ALL DISCIPLINE'S DRAWINGS.
 - ALL PEMB COMPONENTS, ETC. ARE SHOWN FOR REFERENCE ONLY. REFER TO PEMB SHEETS FOR SIZES AND REQUIREMENTS.
- GENERAL SECTION NOTES
- ALL STEEL BEAMS, JOIST, GIRDERS, FOUNDATIONS, REINFORCEMENT, ETC. ARE SHOWN FOR REFERENCE ONLY. REFER TO STRUCTURAL SHEETS FOR SIZES AND REQUIREMENTS.
 - ALL LIGHTING, PLUMBING, AND MECHANICAL ARE SHOWN FOR REFERENCE ONLY. REFER TO MEP SHEETS FOR SIZES AND REQUIREMENTS.
 - ALL PEMB COMPONENTS, ETC. ARE SHOWN FOR REFERENCE ONLY. REFER TO PEMB SHEETS FOR SIZES AND REQUIREMENTS.
- TYPICAL DOOR CLEARANCES WITH LATCH AND CLOSER



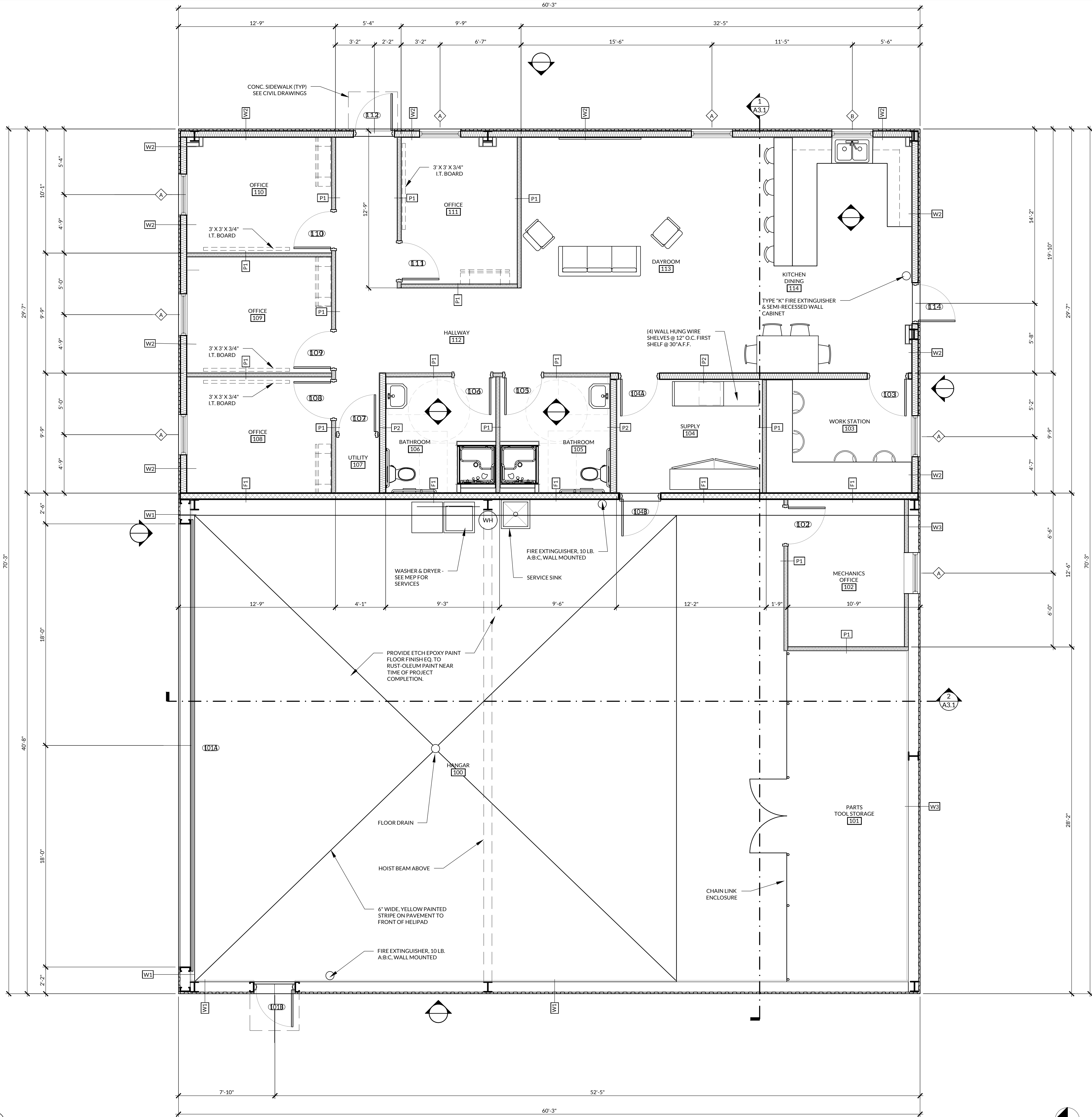
NEW AIR EVAC FACILITY
FOR THE CITY OF DURANT, OK

DURANT REGIONAL AIRPORT 10 WALDRON RD.
DURANT, OKLAHOMA 74701

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PURPOSES.

1 FLOOR PLAN

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



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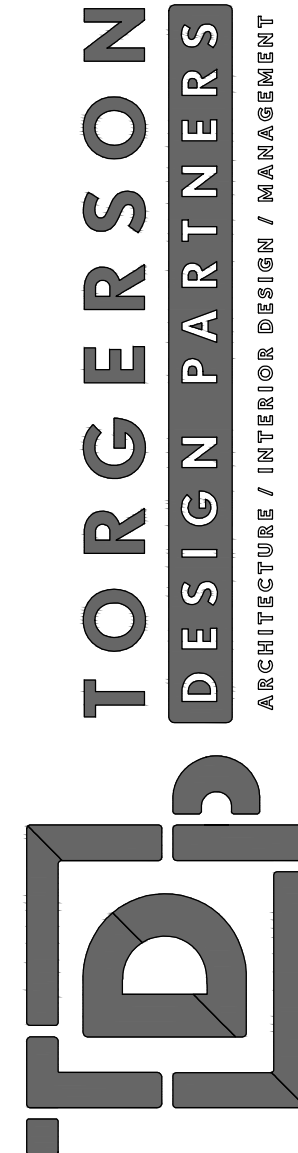
ARCHITECT OF RECORD:
AARON KING
ARCHITECTURAL LICENSE #:
A6350

PROJECT NUMBER:
24006 AEDO

REVISION:

A1.1
FLOOR PLAN

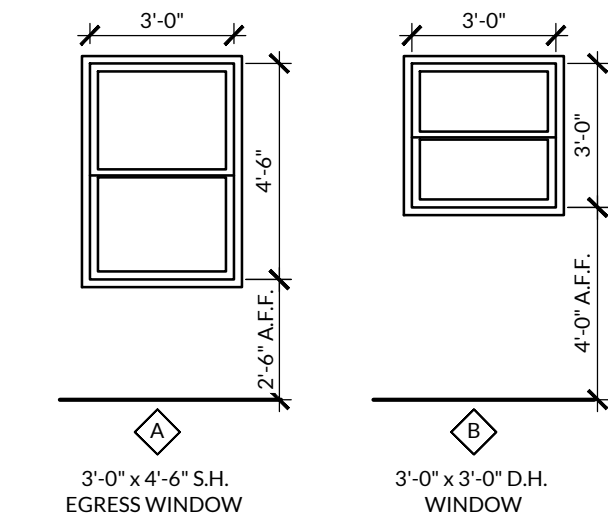
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116 NORTH 2ND AVENUE - OZARK, MO 65721 - P (417) 581-8889 - F (417) 581-9002
ARCHITECTURAL CORPORATION MISSOURI LICENSE NUMBER CA-2010011427



WINDOW, DOOR & FRAME TYPES



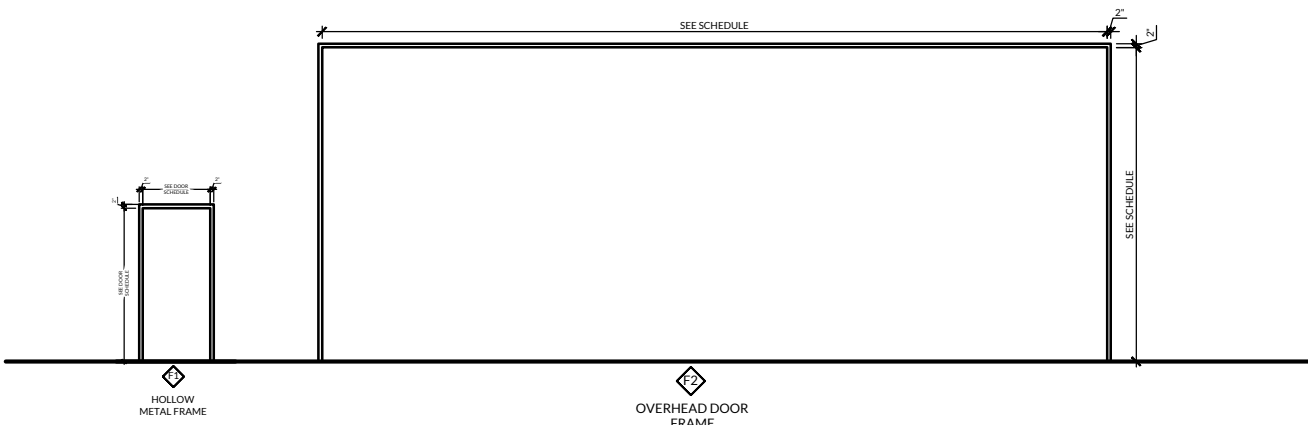
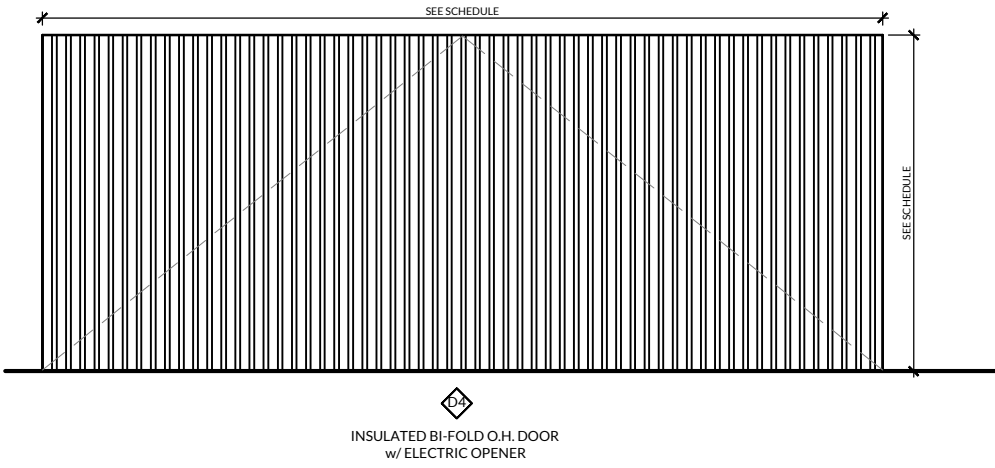
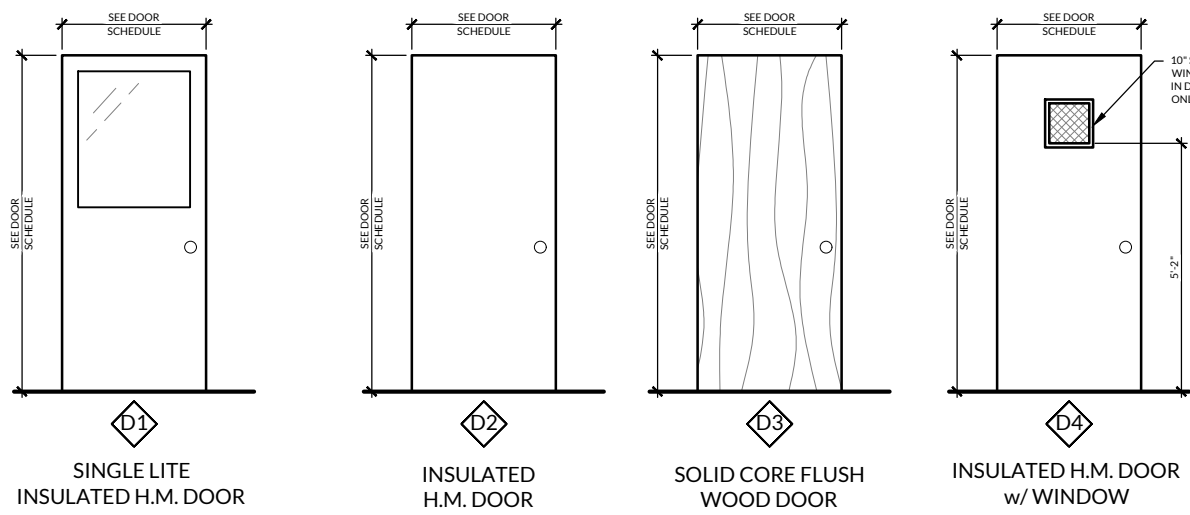
NOTES:
PROVIDE AND INSTALL WINDOWS EQUAL TO ANDERSEN 400 SERIES FIBRE COMPOSITE. COLOR TO BE WHITE.
U-FACTOR: < 0.3
SHGC: < 0.25

DOOR SCHEDULE

MARK	DOOR SCHEDULE									
	DOOR				FRAME		FIRE RATING	HDWR.	NOTES	
	W	HT	THK	TYPE	MATL.	TYPE				
101A	36'-0"	16'-0"	3"	D4	HM	F2	STL	N/A	PER MNFR.	1,2,3
101B	3'-0"	7'-0"	1.5"	D1	HM	F1	HM	N/A	SET #5	INSUL.
101C	3'-0"	7'-0"	1.5"	D2	HM / GL	F1	HM	90 MIN.	SET #5	INSUL.
102	3'-0"	7'-0"	1.5"	D3	WOOD	F1	WOOD	N/A	SET #2	
103	3'-0"	7'-0"	1.5"	D3	WOOD	F1	WOOD	N/A	SET #2	
104	3'-0"	7'-0"	1.5"	D3	WOOD	F1	WOOD	N/A	SET #2	
105	3'-0"	7'-0"	1.5"	D3	WOOD	F1	WOOD	N/A	SET #2	
106	3'-0"	7'-0"	1.5"	D3	WOOD	F1	WOOD	N/A	SET #3	
107	3'-0"	7'-0"	1.5"	D3	WOOD	F1	WOOD	N/A	SET #3	
108	3'-0"	7'-0"	1.5"	D3	WOOD	F1	WOOD	N/A	SET #2	
109	3'-0"	7'-0"	1.5"	D1	HM / GL	F1	HM	N/A	SET #1	INSUL.
110	3'-0"	7'-0"	1.5"	D3	WOOD	F1	WOOD	N/A	SET #4	
111	3'-0"	7'-0"	1.5"	D1	HM / GL	F1	HM	N/A	SET #1	INSUL.

- NOTES:
1. PROVIDE O.H. BIFOLD DOOR EQUAL TO SCHWEISS BIFOLD DOORS, INSULATED WITH METAL INSIDE LINER. PROVIDE STRAPS (NO CABLES).
2. PROVIDE THE FOLLOWING ACCESSORIES:
A. JAMB MOUNT SAFETY DOOR SENSORS
B. SAFETY BUMPER SENSOR AT BOTTOM OF DOOR
C. (2) SINGLE CHANNEL DUAL FREQUENCY TRANSMITTER
D. INTERNAL CODEDODGER RECEIVER
E. ANTENNA ASSEMBLY
3. FIELD MEASURE AND COORDINATE DOOR OPENING FOR TIGHT FIT.
4. INTERIOR DOORS TO BE MINWAX SMOKEWOOD MW407.
5. PAINT HOLLOW METAL FRAMES PT2.

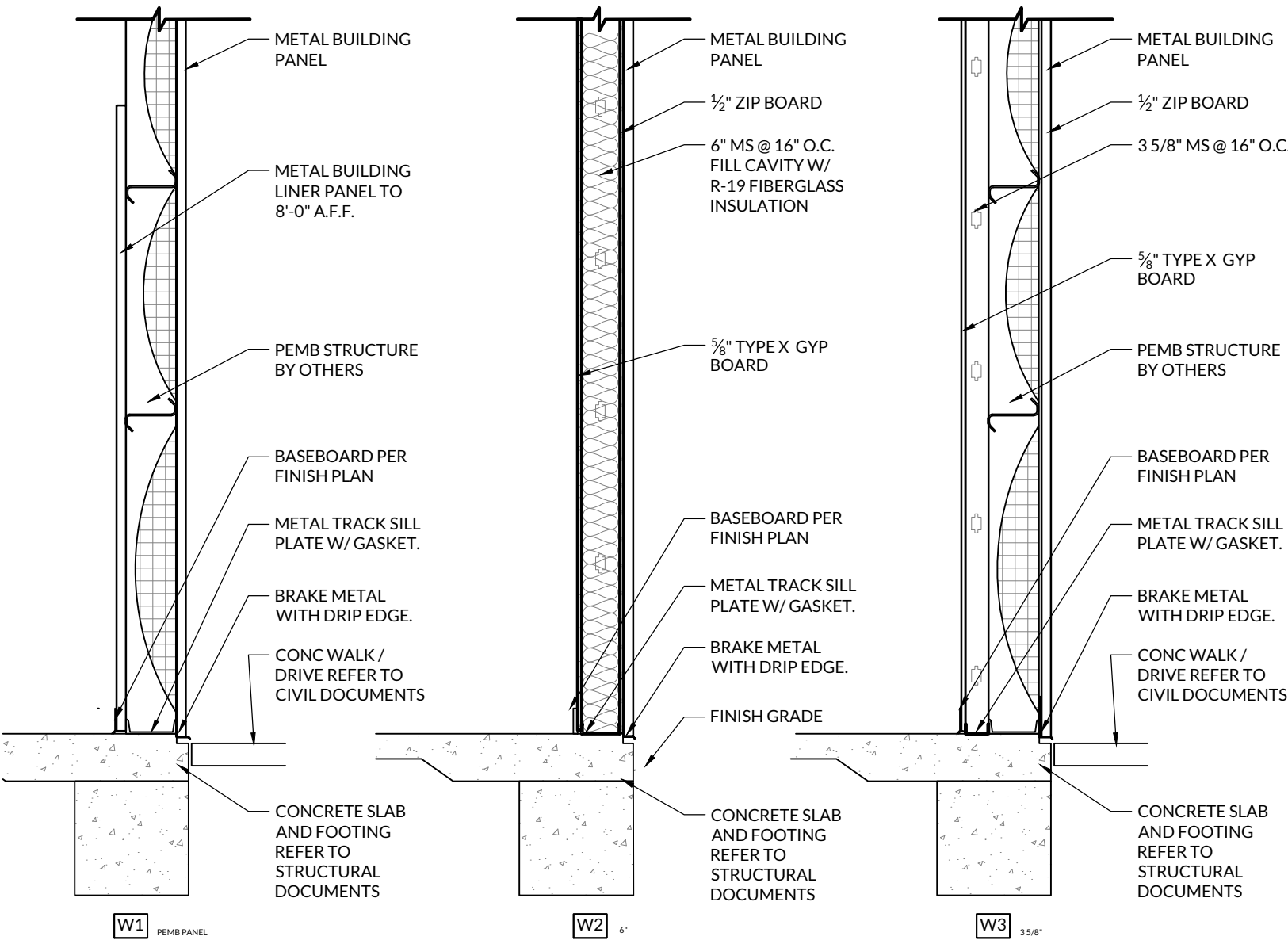
DOOR & FRAME TYPES



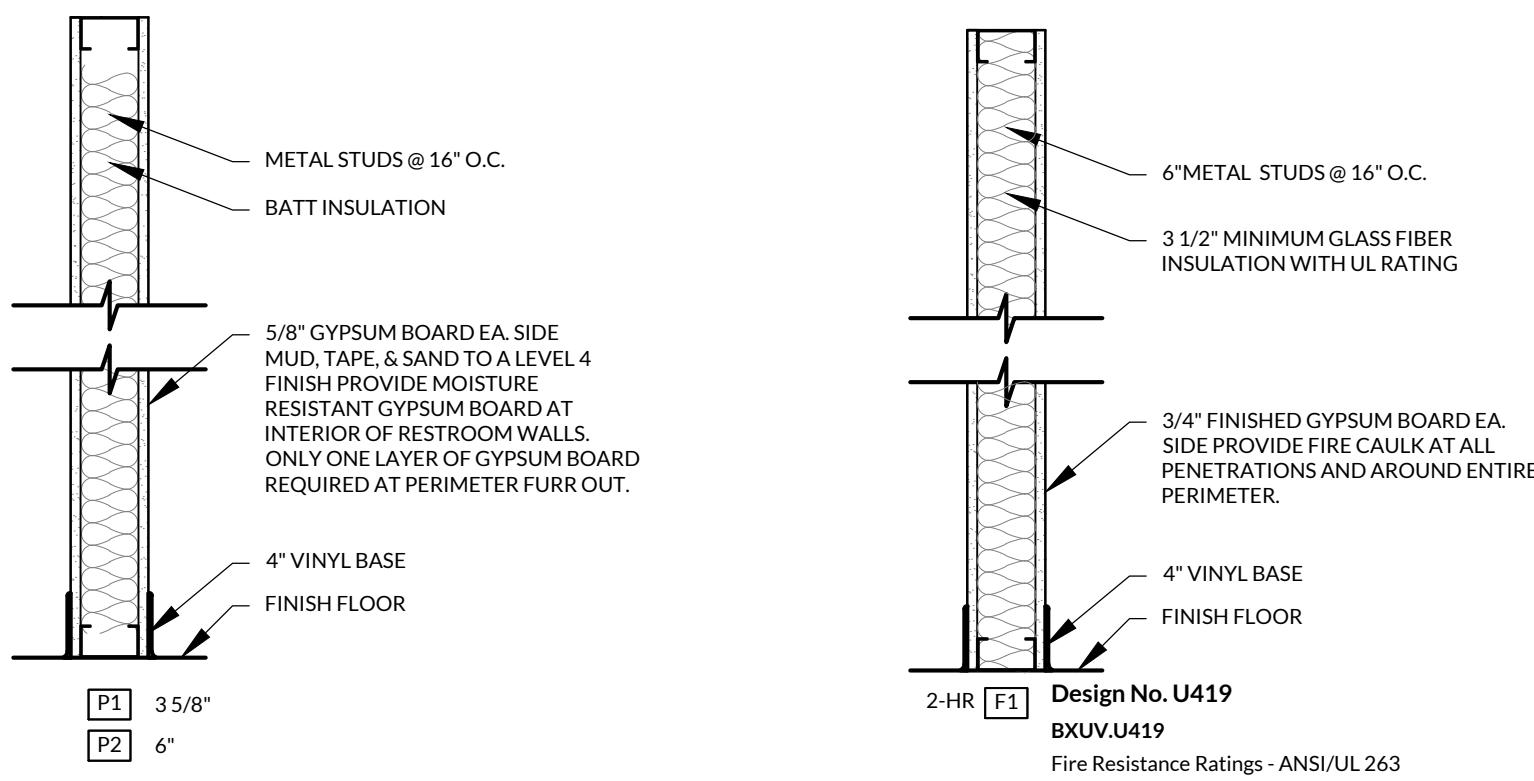
HARDWARE SETS

- SET # 1. EXIT (1 1/2 PR) BB NRP HINGES, CYLINDER LOCK, O.H. CLOSER, ADA PUSH/PULL, ADA THRESHOLD, WEATHERING, INSTALL SIGN "DO NOT LOCK DURING BUSINESS HOURS." INSTALL EXITING SIGNAGE.
- SET # 2 OFFICE (1 1/2 PR) BB HINGES, LOCKSET FOR OFFICE FUNCTION, 3 SILENCERS, WALL STOP, ANY ADDITIONAL SIGNAGE IS TO BE OFCI.
- SET # 3 RESTROOM (1 1/2 PR) PLAIN HINGES, PRIVACY LATCH, KICK PLATES (34W X 10H), 3 SILENCERS, WALL STOP, INSTALL RESTROOM SIGNAGE.
- SET # 4 MISC. INT. (1 1/2 PR) BB HINGES, PASSAGE LATCH, 3 SILENCERS, WALL STOP, ANY ADDITIONAL SIGNAGE IS TO BE OFCI.
- SET # 5 TOUCH PAD (PR) BB NRP HINGES, SMARTCODE LEVER MODEL 911TNL 15 SMT, O.H. CLOSER, ADA PUSH/PULL, ADA THRESHOLD, WEATHERING, INSTALL EXITING SIGNAGE.
- FIRE RATED HARDWARE REQUIRED AT DOOR MARK 101C ONLY.

EXTERIOR WALL TYPES



PARTITION TYPES



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ARCHITECT OF RECORD:
AARON KING
ARCHITECTURAL LICENSE #:
A6350

PROJECT NUMBER:
24006 AEDO

REVISION:

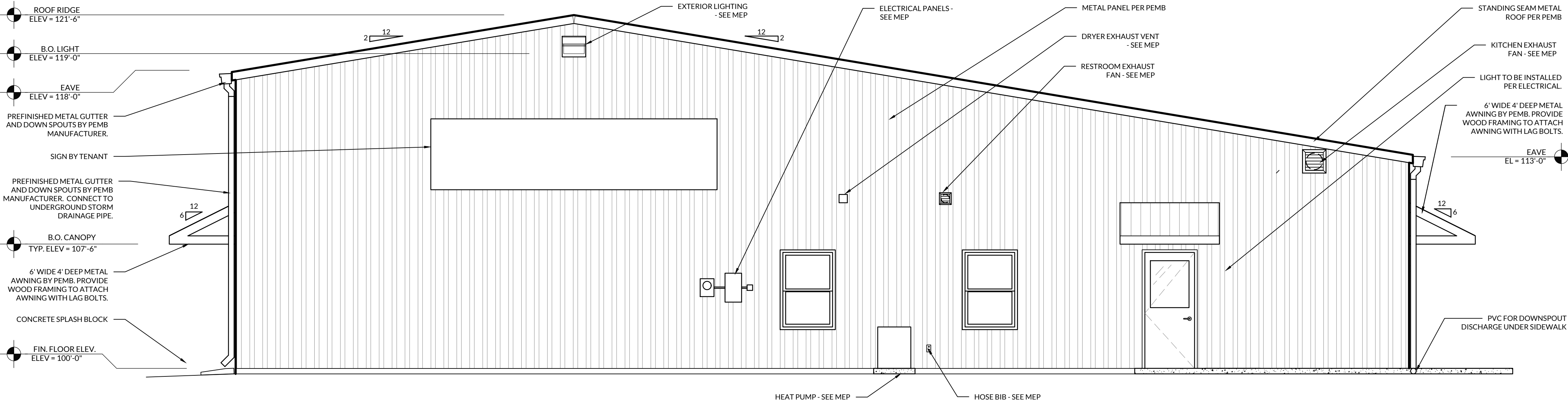
A1.2
DOOR SCHEDULE

DATE: APRIL 19, 2024

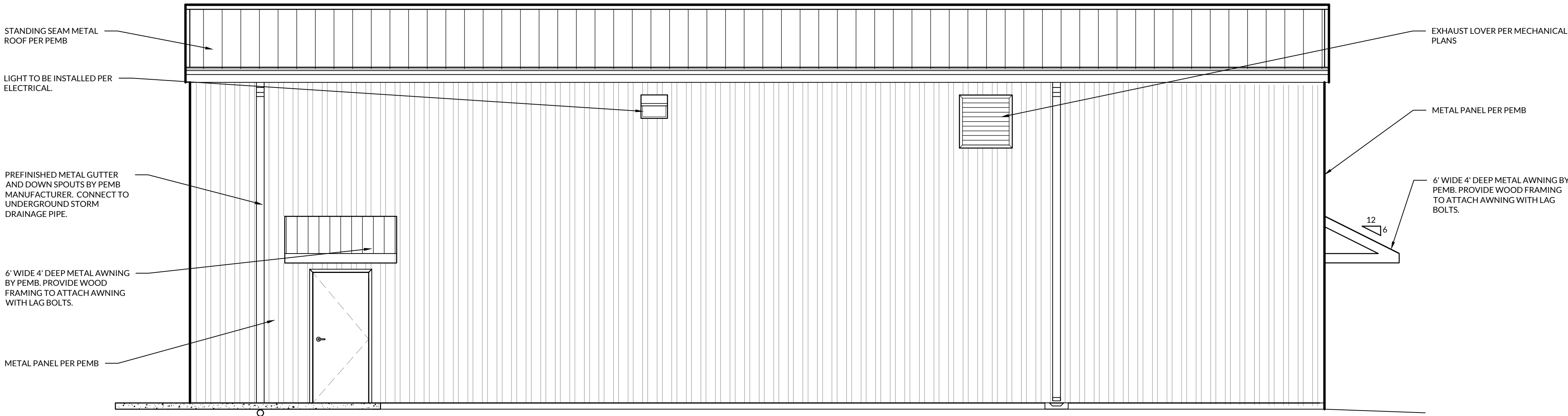
TORGERSON
DESIGN PARTNERS
ARCHITECTURE / INTERIOR DESIGN / MANAGEMENT

116 NORTH 2ND AVENUE - OKARK, MO 65721 - P (417) 581-8889 - F (417) 581-9002
ARCHITECTURAL CORPORATION MISSOURI LICENSE NUMBER CA-2010011427

EXTERIOR FINISH LEGEND				
FINISH NUMBER	MATERIAL	MANUFACTURER	DESCRIPTION	NOTES
EF1	METAL WALL PANEL	MBCI OR EQUAL	PBR - EXPOSED FASTENER, 26 GA., 12" O.C. RIB SPACING, SMOOTH FINISH, COLOR AS SELECTED BY OWNER	POLAR WHITE
EF2	TRIM, GUTTER, AND DOWNSPOUTS		24 GA. PRE-FINISHED METAL, COLOR AS SELECTED BY OWNER	HAWAIIAN BLUE
EF3	STANDING SEAM METAL ROOF PANEL	MBCI OR EQUAL	DOUBLE-LOK - 24", 24GA, SMOOTH, COLOR AS SELECTED BY OWNER	POLAR WHITE
EF4	SOFFIT PANEL		3/4" M-PANEL, EXPOSED FASTENING SYSTEM, 24 GA., COLOR AS SELECTED BY OWNER	POLAR WHITE



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



2 WEST ELEVATION
SCALE: 1/4"=1'-0"

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ARCHITECT OF RECORD:
AARON KING
ARCHITECTURAL LICENSE #:
A6350

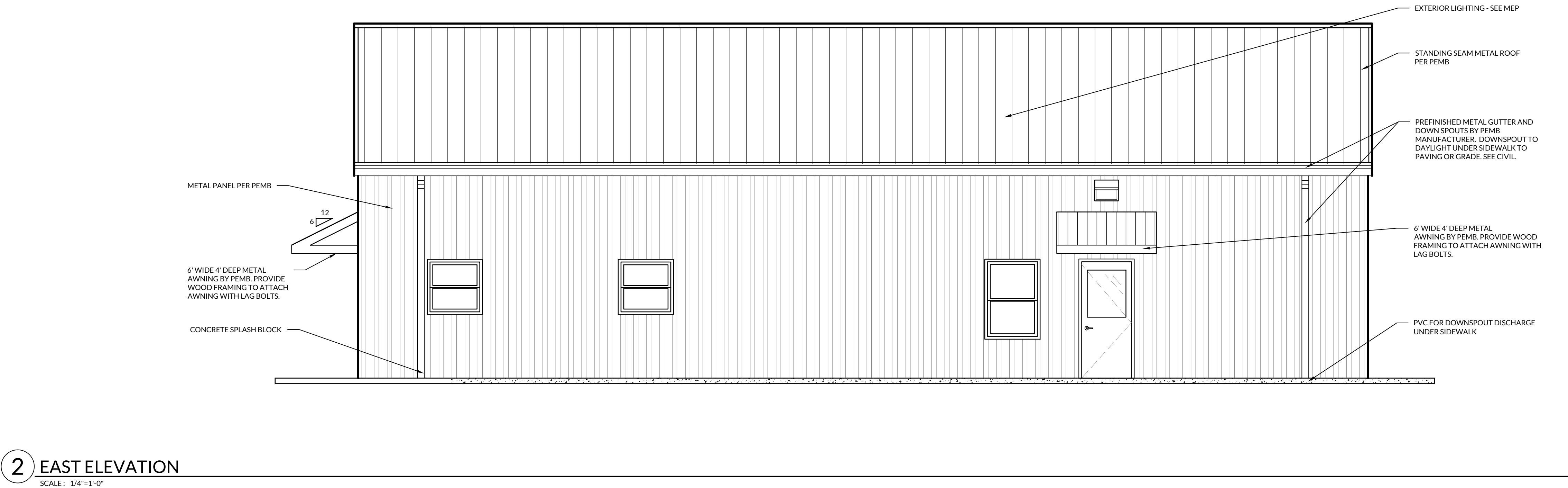
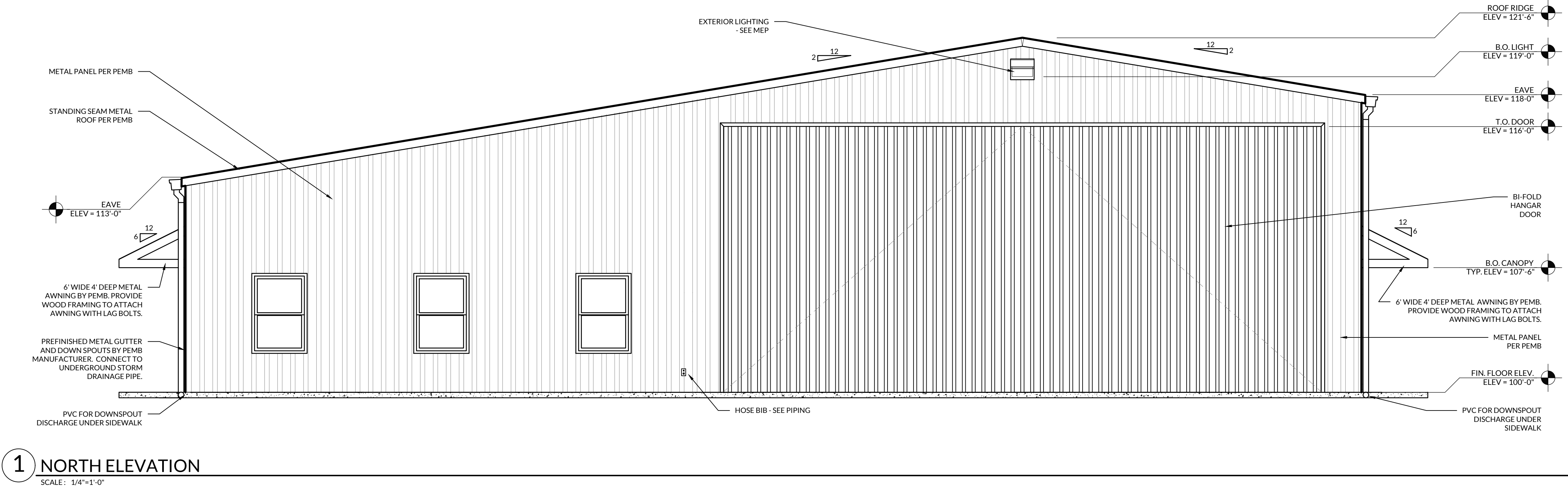
PROJECT NUMBER:
24006 AEDO

REVISION:

A2.1
EXTERIOR
ELEVATIONS

DATE: APRIL 19, 2024

EXTERIOR FINISH LEGEND				
FINISH NUMBER	MATERIAL	MANUFACTURER	DESCRIPTION	NOTES
EF1	METAL WALL PANEL	MBCI OR EQUAL	PBR - EXPOSED FASTENER, 24 GA., 12" O.C. RIB SPACING, SMOOTH FINISH, COLOR AS SELECTED BY OWNER	POLAR WHITE
EF2	TRIM, GUTTER, AND DOWNSPOUTS		24 GA. PRE-FINISHED METAL, COLOR AS SELECTED BY OWNER	HAWAIIAN BLUE
EF3	STANDING SEAM METAL ROOF PANEL	MBCI OR EQUAL	DOUBLE-LOK - 24", 24GA, SMOOTH, COLOR AS SELECTED BY OWNER	POLAR WHITE
EF4	SOFFIT PANEL		3/4" M-PANEL, EXPOSED FASTENING SYSTEM, 24 GA., COLOR AS SELECTED BY OWNER	POLAR WHITE



NEW AIR EVAC FACILITY
FOR THE CITY OF DURANT, OK

DURANT REGIONAL AIRPORT 10 WALDRON RD.
DURANT, OKLAHOMA 74701

INTERIM REVIEW ONLY
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ARCHITECT OF RECORD:
AARON KING
ARCHITECTURAL LICENSE #:
A6350

PROJECT NUMBER:
24006 AEDO

REVISION:

A2.2
EXTERIOR
ELEVATIONS

DATE: APRIL 19, 2024



NEW AIR EVAC FACILITY FOR THE CITY OF DURANT, OK

DURANT REGIONAL AIRPORT 10 WALDRON RD.
DURANT, OKLAHOMA 74701

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ARCHITECT OF RECORD:

AARON KING

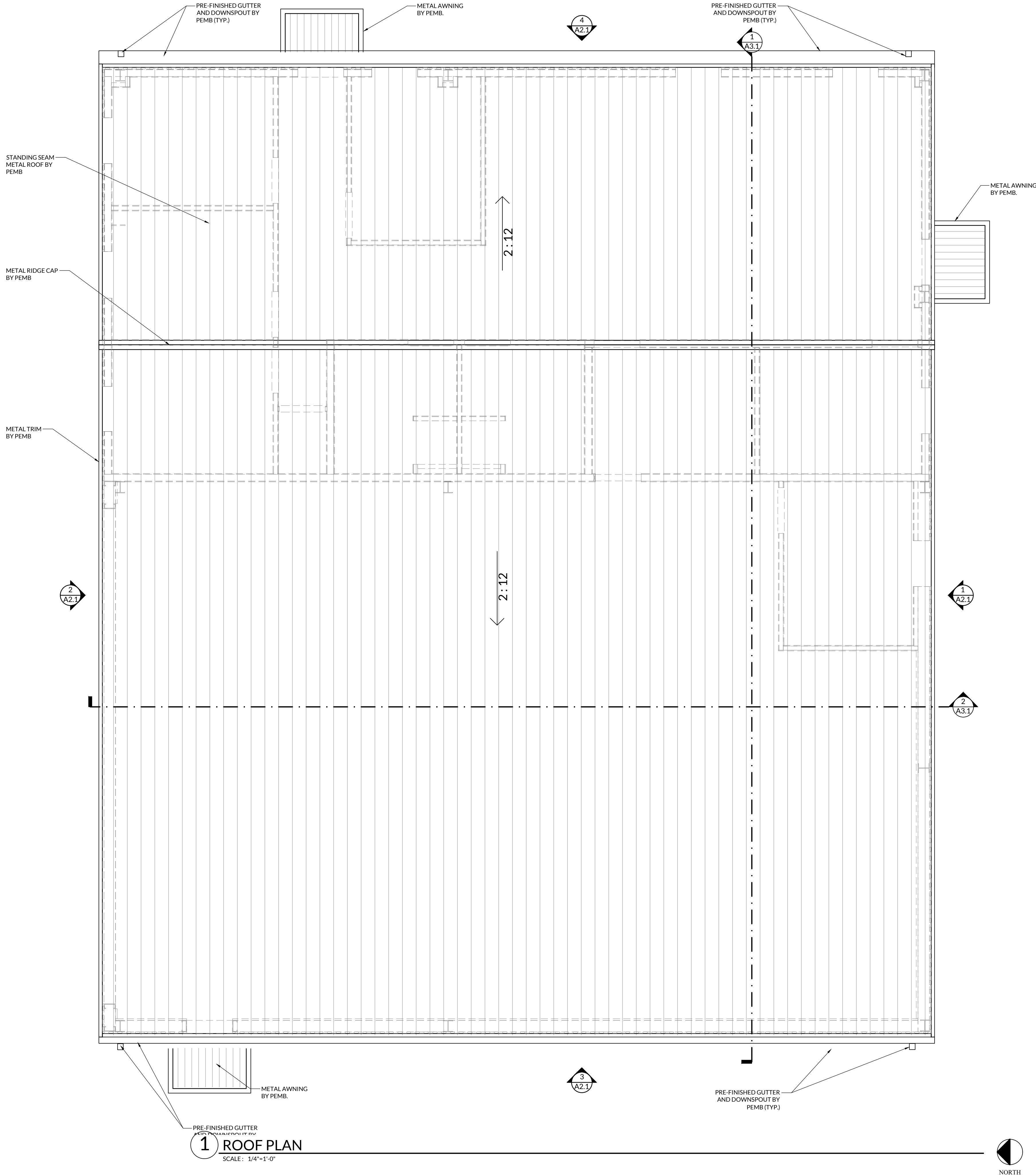
ARCHITECTURAL LICENSE #:
A6350

PROJECT NUMBER:
24006 AEDO

REVISION:

A3.1 SECTIONS

DATE: APRIL 19, 2024



NEW AIR EVAC FACILITY
FOR THE CITY OF DURANT, OK

DURANT REGIONAL AIRPORT 10 WALDRON RD.
DURANT, OKLAHOMA 74701

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PURPOSES.

ARCHITECT OF RECORD:
AARON KING
ARCHITECTURAL LICENSE #:
A6350

PROJECT NUMBER:
24006 AEDO
REVISION:

A4.1
ROOF PLAN
DATE: APRIL 19, 2024



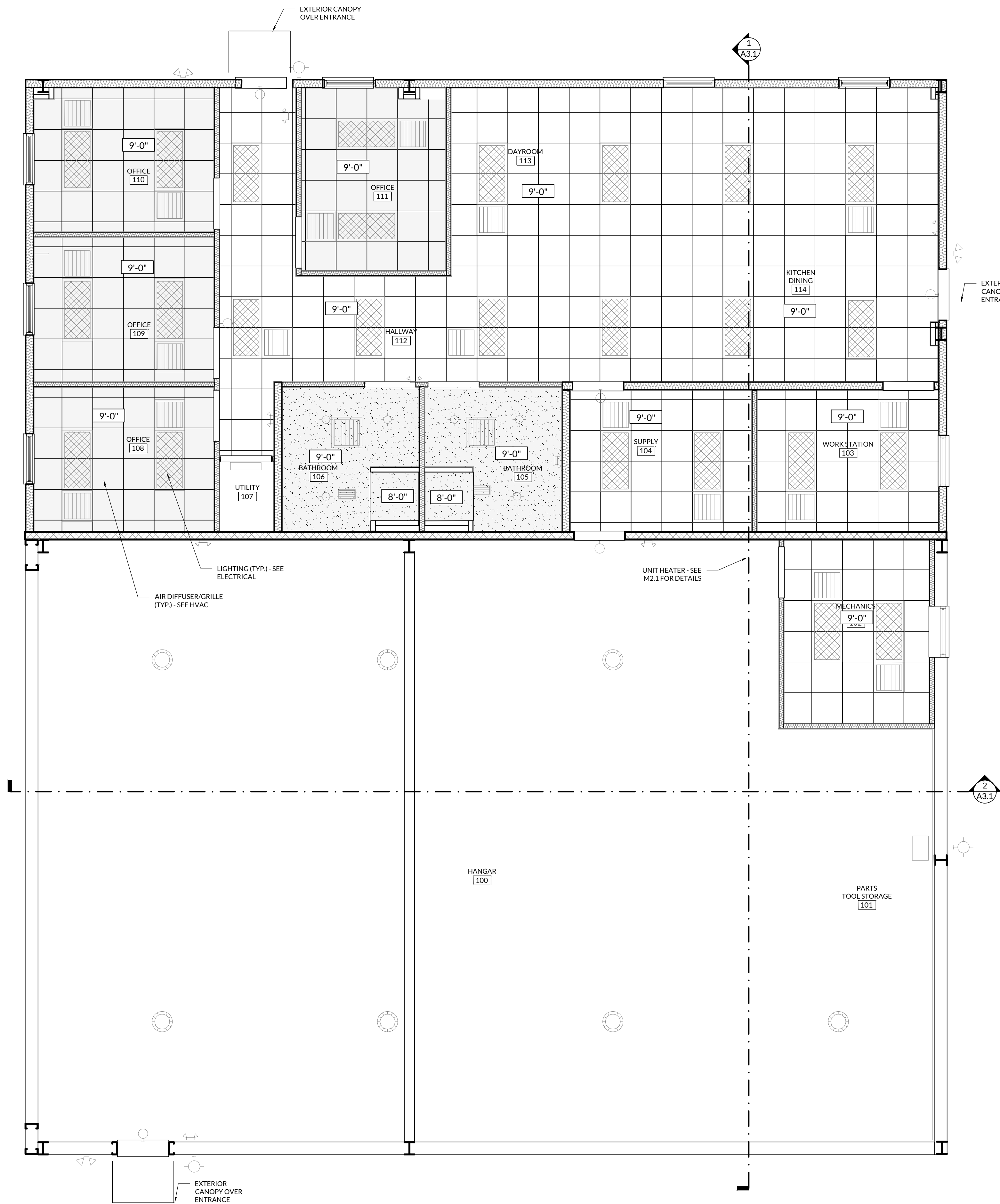
1. CONFIRM APPLIANCE HEIGHT TO FIT UNDER ACCESSIBLE COUNTER
2. CONFIRM FINISHES & MODELS w/ OWNER.



116 NORTH 2ND AVENUE - OZARK, MO 65721 - P(417) 581-8889 - F(417) 581-9002
ARCHITECTURAL CORPORATION MISSOURI LICENSE NUMBER:A-2010011427

DURANT REGIONAL AIRPORT 10 WALDRON RD.
DURANT, OKLAHOMA 74701

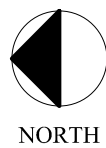
DATE: APRIL 19, 2024



CEILING TYPES

- 2'X2' SUSPENDED ACOUSTICAL TILE CEILING
- 6" CONTINUOUS SOUND BATT INSULATION ABOVE
- MOISTURE RESISTANT GYP. BD. CEILING
- OPEN TO STRUCTURE ABOVE

1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



NEW AIR EVAC FACILITY
FOR THE CITY OF DURANT, OK
DURANT REGIONAL AIRPORT 10 WALDRON RD.
DURANT, OKLAHOMA 74701

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ARCHITECT OF RECORD:
AARON KING
ARCHITECTURAL LICENSE #:
A6350

PROJECT NUMBER:
24006 AEDO

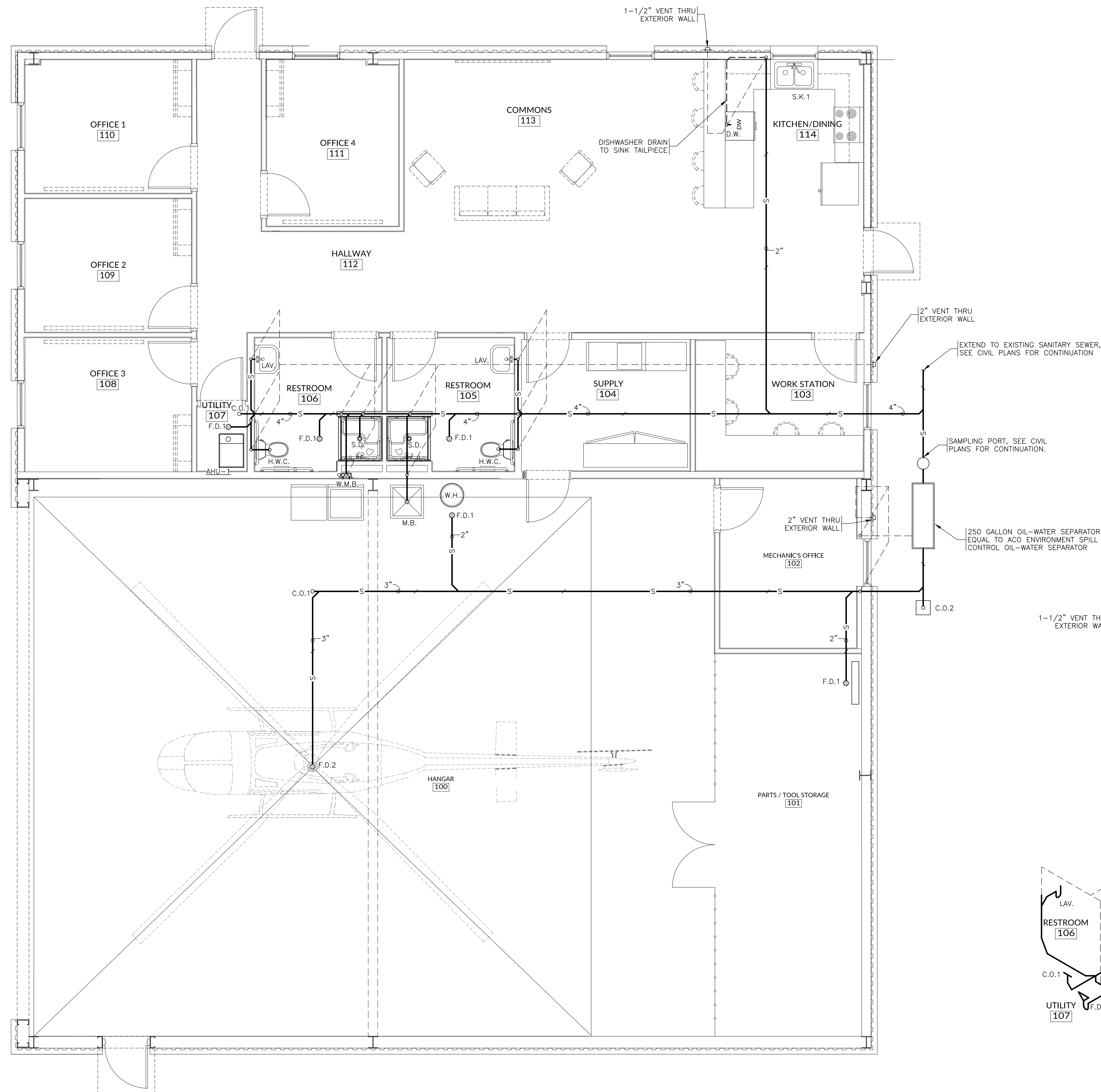
REVISION:

A6.1
REFLECTED
CEILING PLAN

DATE: APRIL 19, 2024

TORGERSON
DESIGN PARTNERS
ARCHITECTURE / INTERIOR DESIGN / MANAGEMENT

116 NORTH 2ND AVENUE - OZARK, MO 65721 - P (417) 581-8889 - F (417) 581-9002
ARCHITECTURAL CORPORATION MISSOURI LICENSE NUMBER CA-2010011427



PIPING LEGEND

	WS	WATER SERVICE
	W	WATER SERVICE (BELOW GRADE)
	CW	COLD WATER
	CW	COLD WATER (BELOW GRADE)
	HW	HOT WATER
	HWR	HOT WATER RETURN
	S	WASTE
	S	WASTE (BELOW GRADE)
		VENT
		BALL VALVE
		BALANCING VALVE
		MIXING VALVE
		CHECK VALVE
		GAS VALVE
		GAS REGULATOR
		WATER HAMMER ARRESTER (SEE PLUMBING FIXTURE SCHEDULE)
F.D. 		FLOOR DRAIN
C.O.I. 		CLEANOUT (INTERIOR)
C.O.2. 		CLEANOUT (EXTERIOR)
P.O.C. 		POINT OF CONNECTION
		V.T.R. - VENT THROUGH THE WALL

STATE OF OKLAHOMA LIMITATION

I HEREBY CERTIFY THAT THESE ENGINEERING DOCUMENTS WERE PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF OKLAHOMA.

06/26/24

BRENT L. COURTER (DATE)

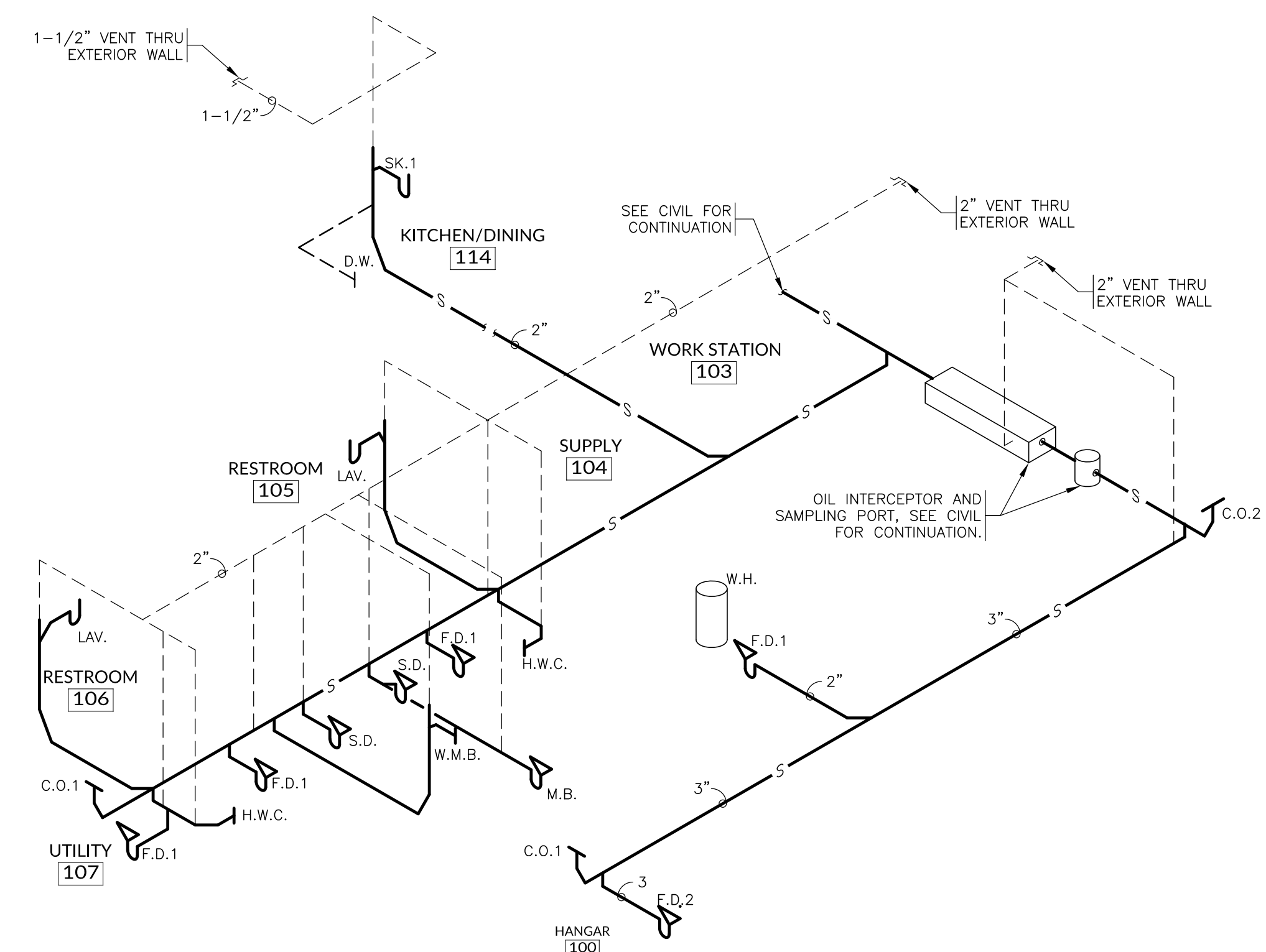
LICENSE RENEWAL DATE IS OCTOBER 31, 2025

SMITH-GOTH ENGINEERS, INC. - RENEWAL DATE IS JUNE 30, 2025
CORPORATE CERTIFICATE OF AUTHORIZATION #CA 2755

PAGES OR SHEETS COVERED BY THE SEAL: P1.1, P2.1, P3.1, M1.1, M2.1, E1.1, E2.1, E3.1. AND E3.2.

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WASTE AND VENT RISER DIAGRAM

N.T.S

STREET ADDRESS
CITY, COUNTY, STATE ZIP

ENGINEER OF RECORD:
BRENT L. COURTER
ENGINEER LICENSE #:
26244

PROJECT NUMBER:
24006 AEDO

REVISION:

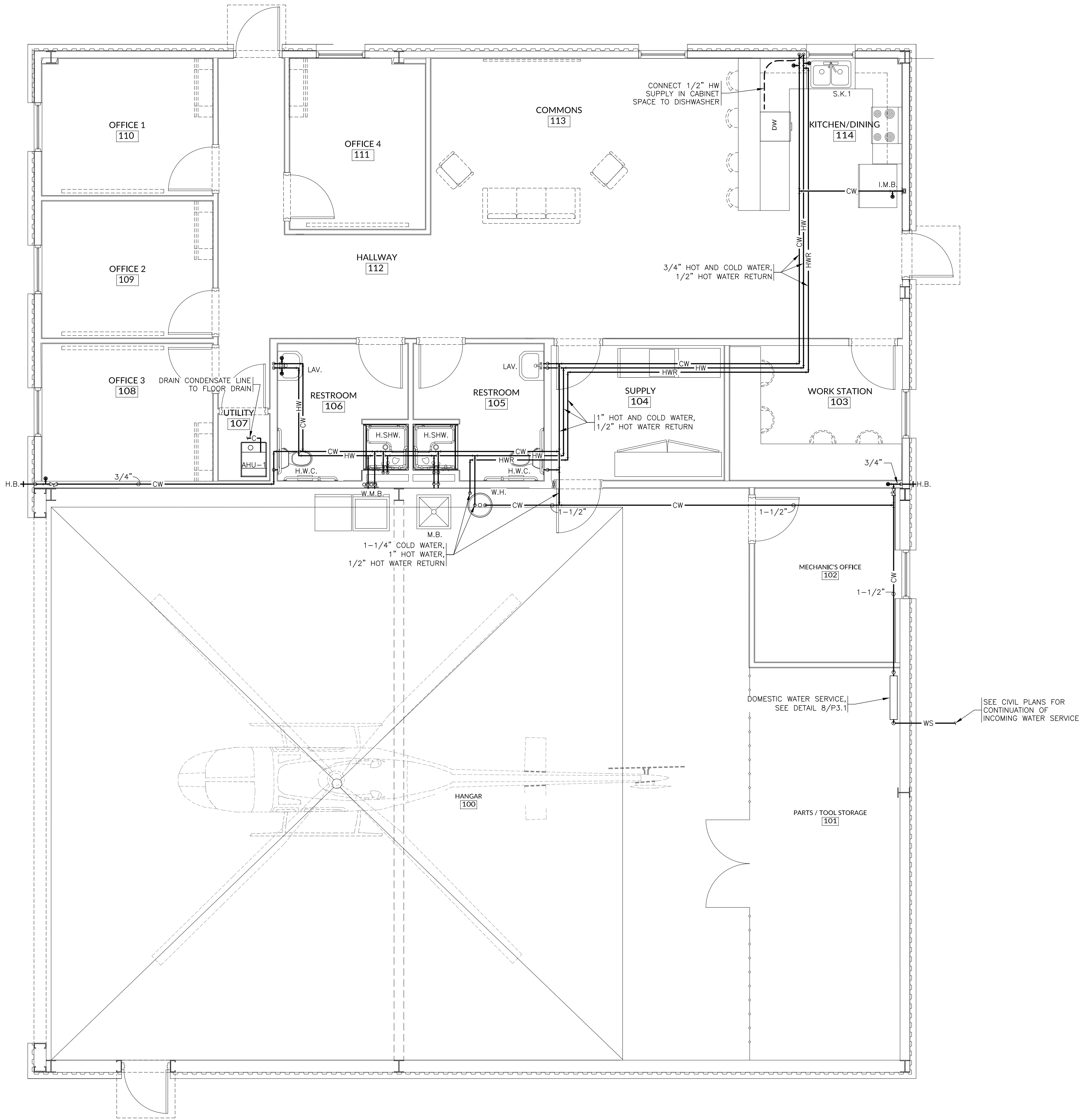
P1.1

WASTE AND VENT PIPING PLAN

DATE: JUNE 26, 2024

P1.1

WASTE AND VENT
PIPING PLAN
DATE: JUNE 26, 2024



GENERAL PLUMBING NOTES

1. ALL DRAWINGS ARE DIAGRAMMATIC AND ARE NOT TO BE SCALED. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS.
2. ALL PLUMBING WORK IS TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL PLUMBING CODE.
3. THE CONTRACTOR SHALL COORDINATE WITH ALL STATE AND LOCAL BUILDING REGULATION AGENCIES AND UTILITY COMPANY(S) IN THE PROCUREMENT OF AND PAYMENT OF ALL PERMITS, LICENSES, FEES AND CHARGES REQUIRED FOR THE PERFORMANCE OF THE WORK.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL FEES AND DIRECT EXPENSES INVOLVED IN ANY INSPECTION REQUIRED FOR THE PROJECT.
5. SEE SPECIFICATION SECTION "CONTRACT CLOSE-OUT AND COMMISSIONING" FOR WORK REQUIRED TO COMPLETE THIS PROJECT.
6. PIPING MATERIAL SHALL BE AS CALLED FOR IN THE SPECIFICATIONS OR AS DETAILED ON THE DRAWING(S).
7. VALVES ON WATER LINES SHALL BE BRONZE BALL VALVES. DO NOT SUBSTITUTE GATE OR GLOBE VALVES. VALVES SHALL BE THE SAME SIZE AS THEIR INLET PIPING.
8. ALL PLUMBING FIXTURES ARE TO BE FURNISHED COMPLETE WITH NECESSARY STOPS, TRAPS, TAILPIECES, TRIM, ETC.
9. THE CONTRACTOR SHALL COOPERATE AND COORDINATE ALL WORK WITH THE WORK OF OTHER CONTRACTORS ON THE PROJECT. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLANS, WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
11. DO NOT INSTALL CAPPED AIR CHAMBERS AT FIXTURES. INSTALL WATER HAMMER ARRESTERS AS CALLED FOR ON PLAN. ARRESTERS ARE TO BE RATED FOR INSTALLATION IN CONCEALED LOCATIONS.
12. ALL HOT AND COLD WATER SUPPLY PIPING CONNECTION TO FIXTURES ARE TO BE 1/2" UNLESS NOTED OTHERWISE.
13. ALL VENT PIPING IS TO BE 1-1/2" UNLESS NOTED OTHERWISE.
14. PLUMBING PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL PANELS. PROVIDE REQUIRED CLEARANCES PER "N.E.C." COORDINATE ELECTRICAL PANELS LOCATIONS WITH THE ELECTRICAL CONTRACTOR.
15. PIPE INSULATION SHALL BE AS CALLED FOR IN THE SPECIFICATIONS OR AS DETAILED ON THE DRAWING(S).
16. CONTRACTOR SHALL PROVIDE ONE YEAR WARRANTY ON ALL WORK PERFORMED.
17. PROVIDE CHROME ESCUTCHEON COVERPLATES AT ALL PIPE PENETRATIONS OF FINISHED WALL SURFACES.
18. PLUMBING CONTRACTOR SHALL INFORM THE ELECTRICAL CONTRACTOR OF THE VOLTAGE AND POWER REQUIREMENTS OF ALL PLUMBING EQUIPMENT TO BE INSTALLED.
19. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ROUTE ALL WATER PIPING AROUND SPACES WITH TEMPERATURES BELOW FREEZING (i.e. ATTICS, CHASES, EXTERIOR WALLS, ETC.). IF FREEZING OF ANY WATER PIPING OCCURS IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO REPAIR THE PIPING THRU A NON-FREEZING SPACE TO THE FIXTURE/APPLIANCE ORIGINALLY SERVED BY THE FROZEN PIPING.
20. ALL CAULKING ON BUILDING PENETRATIONS SHALL BE ELASTOMERIC POLYURETHANE (NO EXCEPTIONS) EQUAL TO "VULKEM" 116. ANY CONTRACTOR WHO USES SILICONE OR ANY OTHER CAULKING WILL BE REQUIRED TO REMOVE AND REPLACE WITH ELASTOMERIC POLYURETHANE.
21. INSTALL ACCESS PANELS OR DOORS WHERE EQUIPMENT AND/OR VALVES ARE LOCATED IN CONCEALED SPACES.
22. ALL WATER HEATERS AND HOT WATER STORAGE TANKS SHALL HAVE A DRAIN VALVE INSTALLED AT THE BOTTOM OF THE TANK AS REQUIRED BY CODE.
23. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH PLUMBING SUBMITTALS CONTAINING INFORMATION SHEETS ON ALL PLUMBING FIXTURES, PIPE, MATERIALS, VALVES, AND ALL INDIVIDUAL ITEMS SPECIFIED IN NOTES ON THE PLANS.
24. BEFORE BEING PLACED IN SERVICE AND AFTER TESTING IS COMPLETED, ALL POTABLE WATER PIPING SHALL BE CHLORINATED AS SPECIFIED HEREIN, IN ACCORDANCE WITH AWWA STANDARD C651 OR AWWA C652 AND AS REQUIRED BY THE LOCAL HEALTH DEPARTMENT CODES.

1 SUPPLY PIPING PLAN
SCALE: 1/4"=1'-0"



P2.1
SUPPLY PIPING
PLAN
DATE: JUNE 26, 2024

ENGINEER OF RECORD:
BRENT L. COURTER
ENGINEER LICENSE #: 26244

PROJECT NUMBER:
24006 AEDO

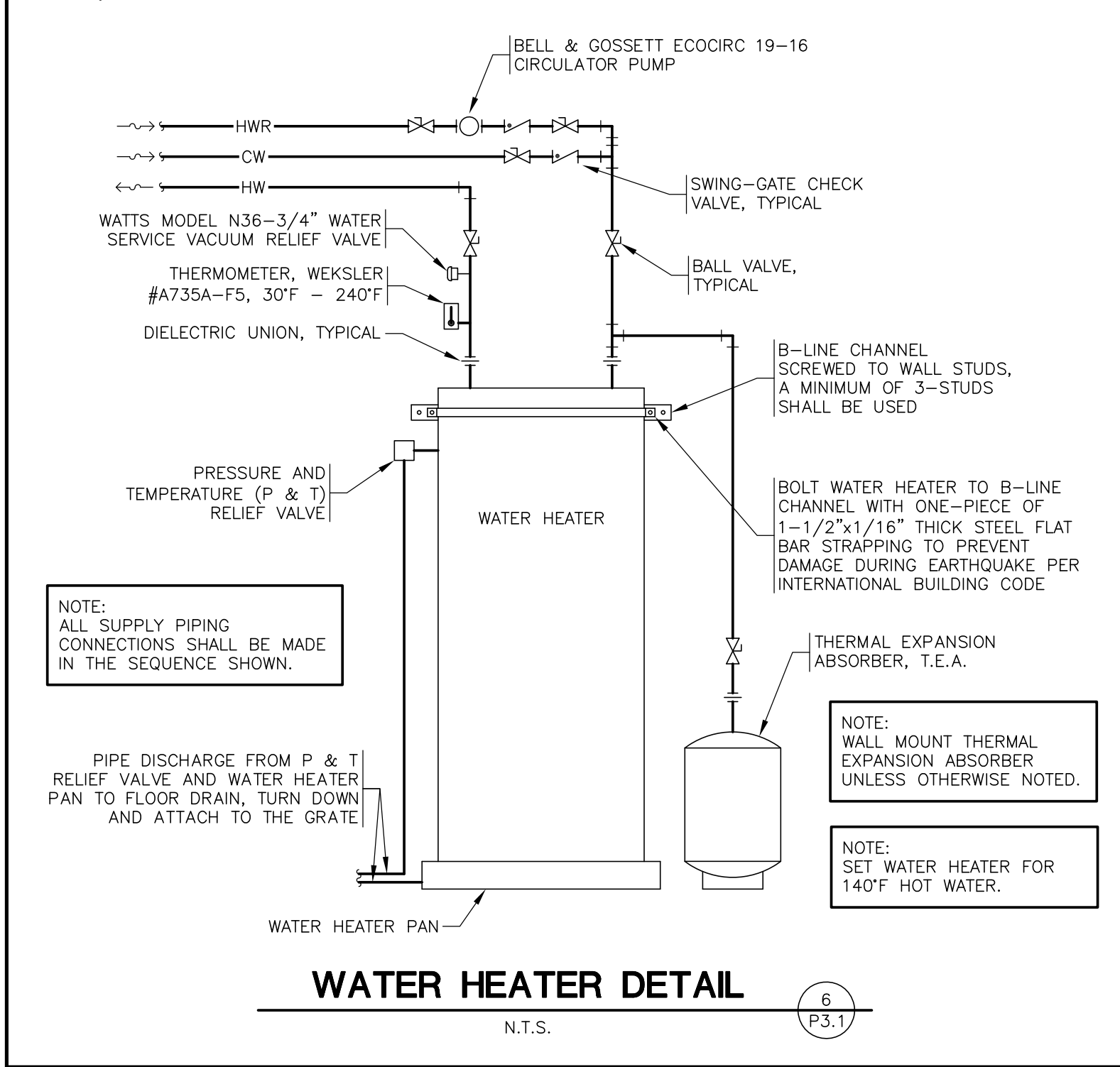
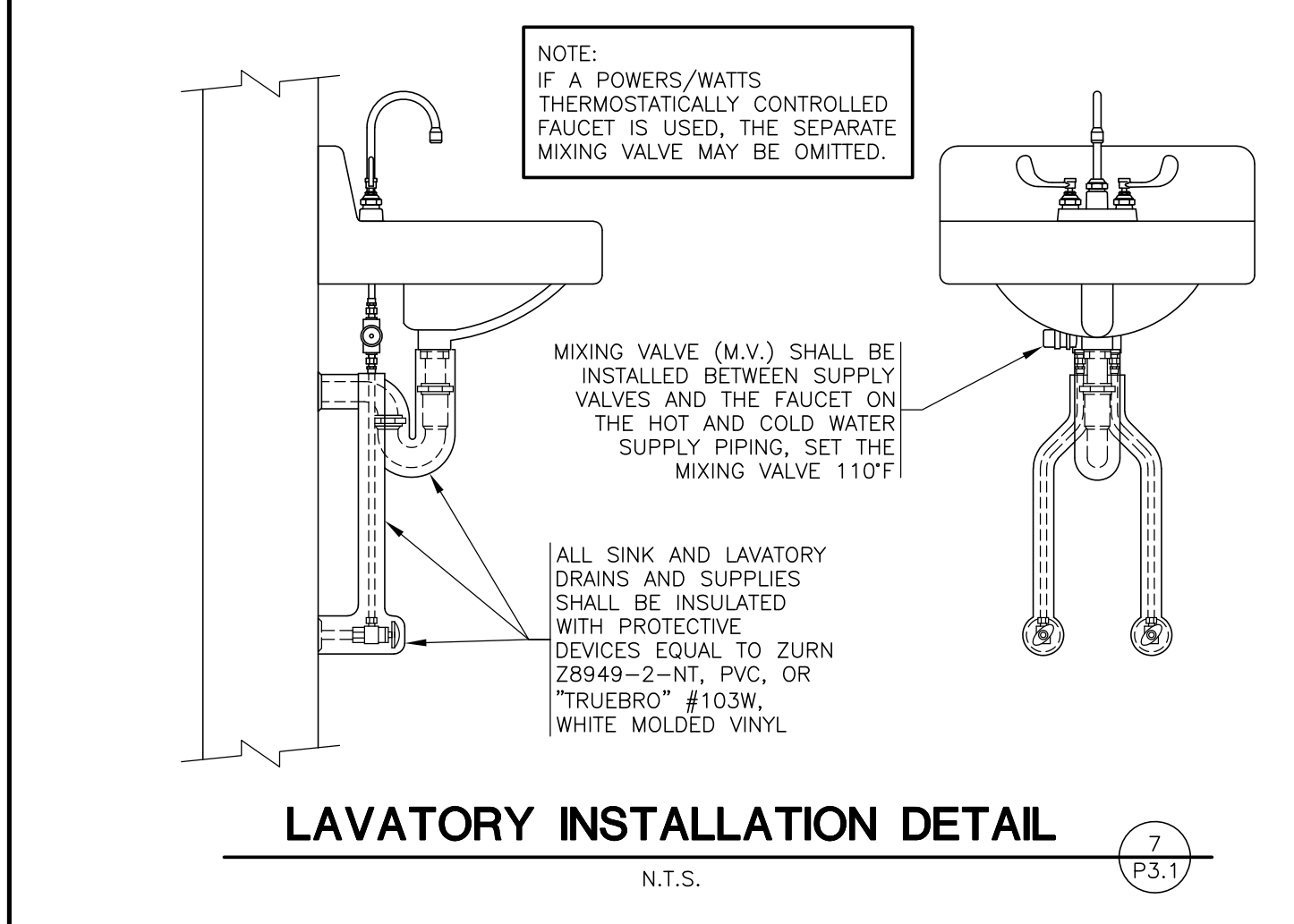
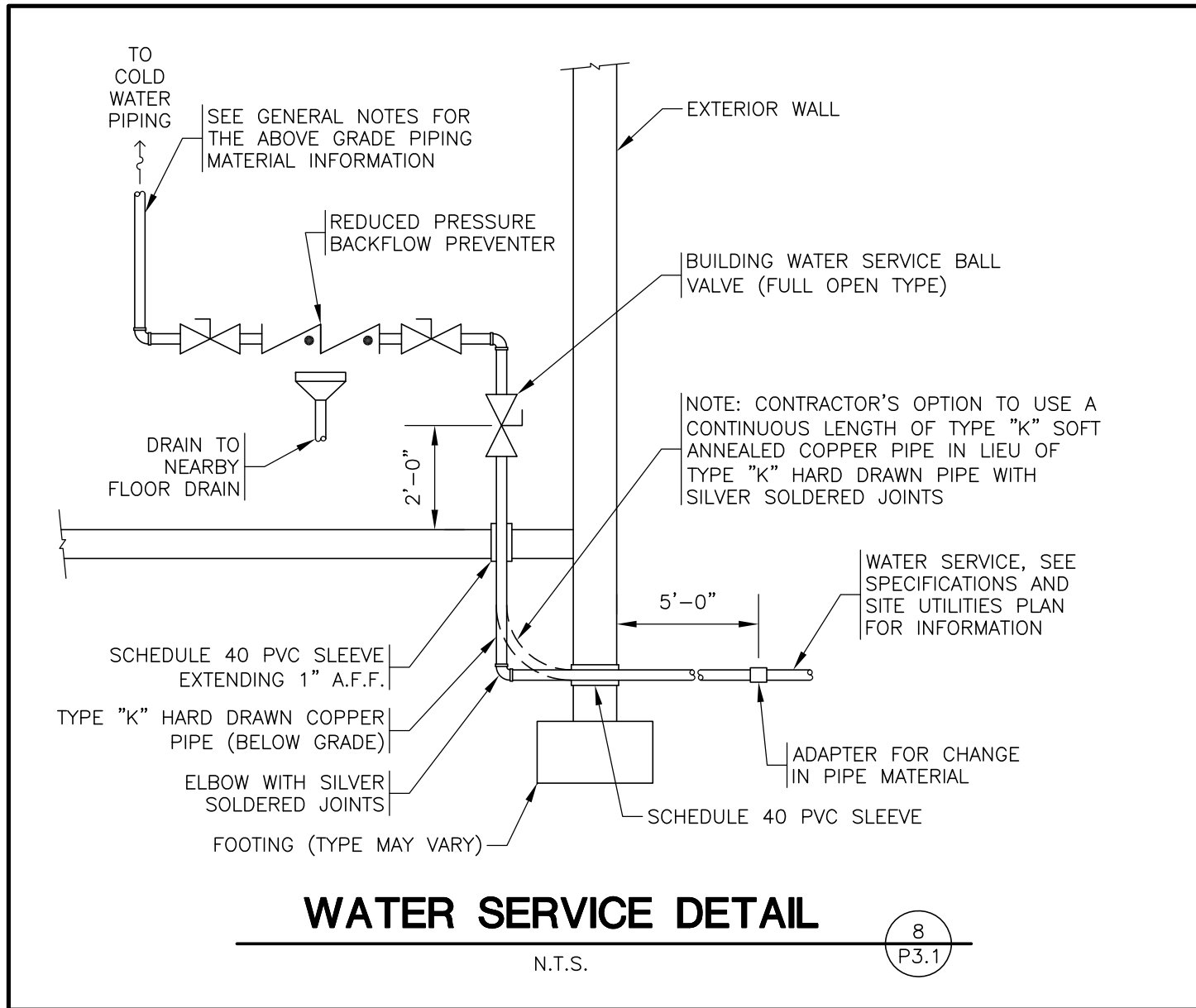
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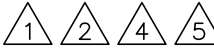
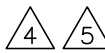
NEW AIR EVAC FACILITY
FOR THE CITY OF DURANT, OK

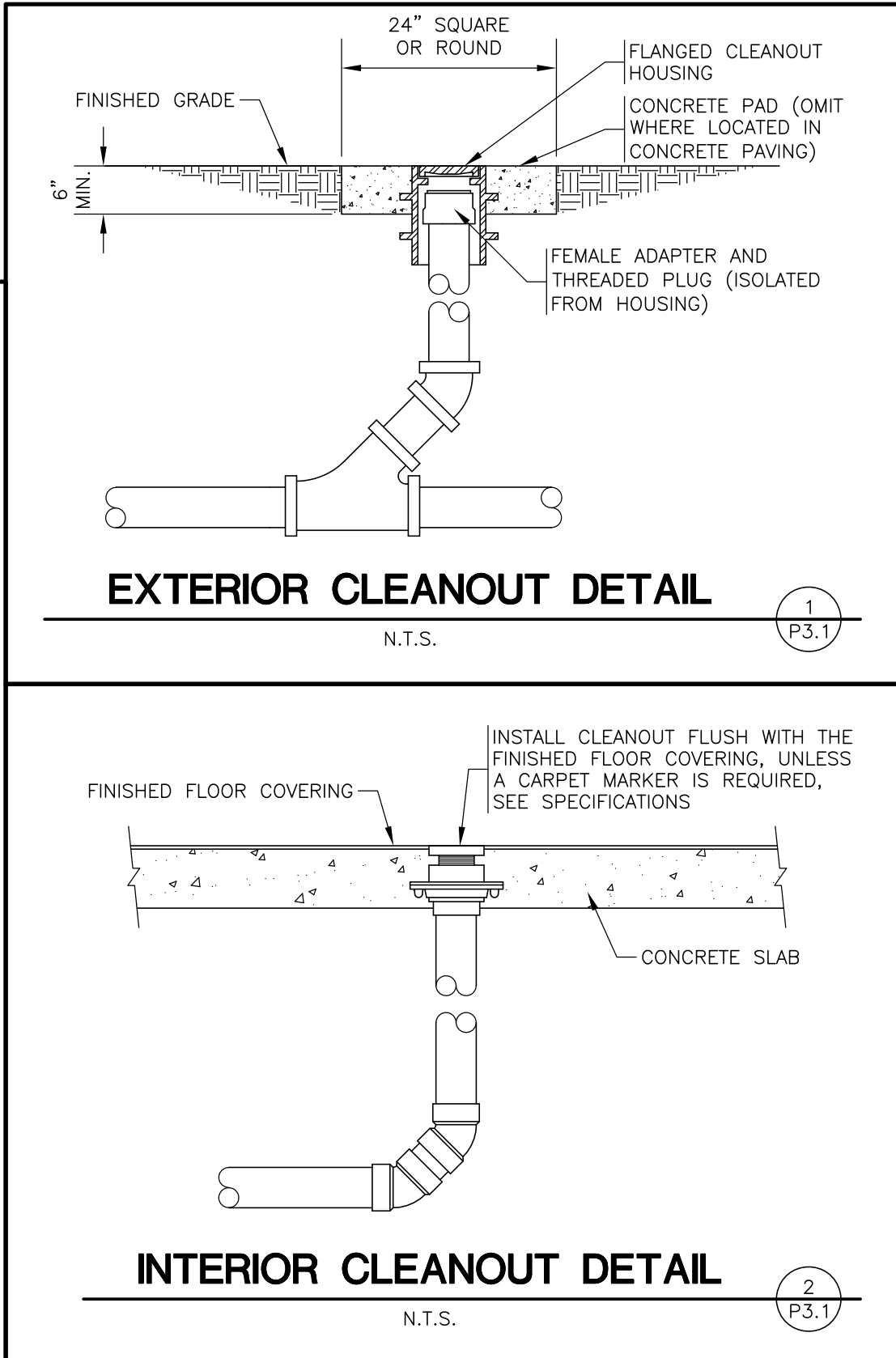
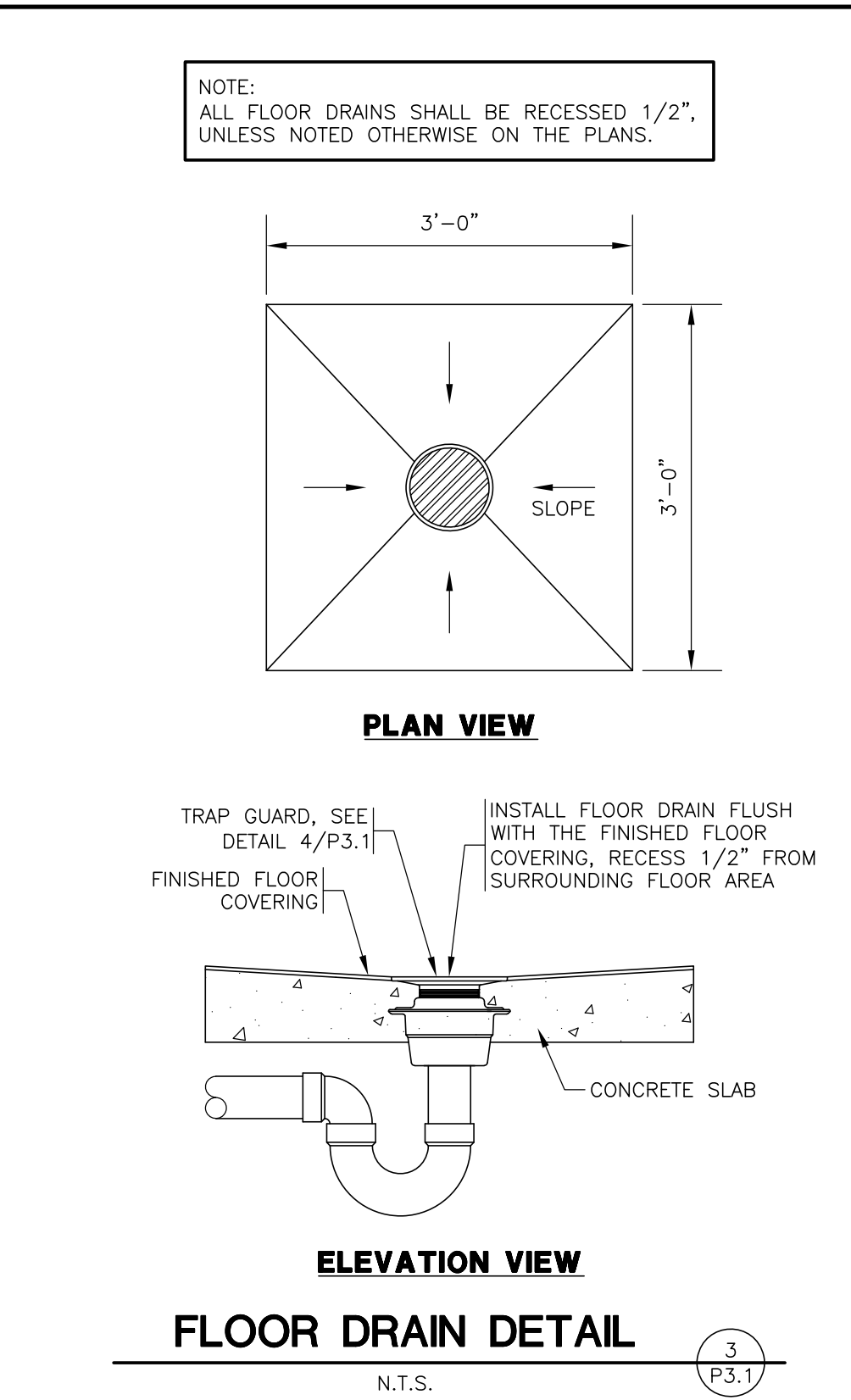
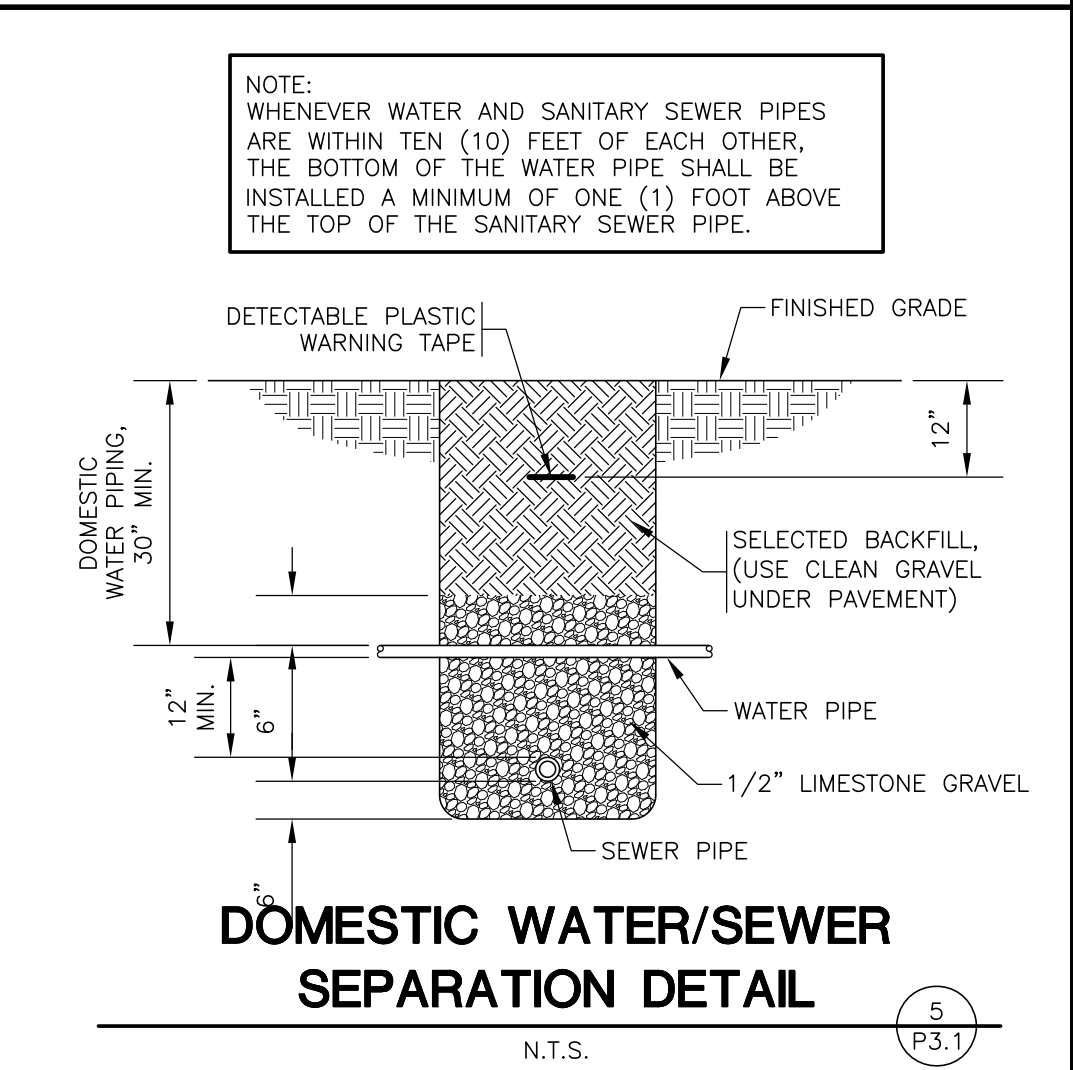
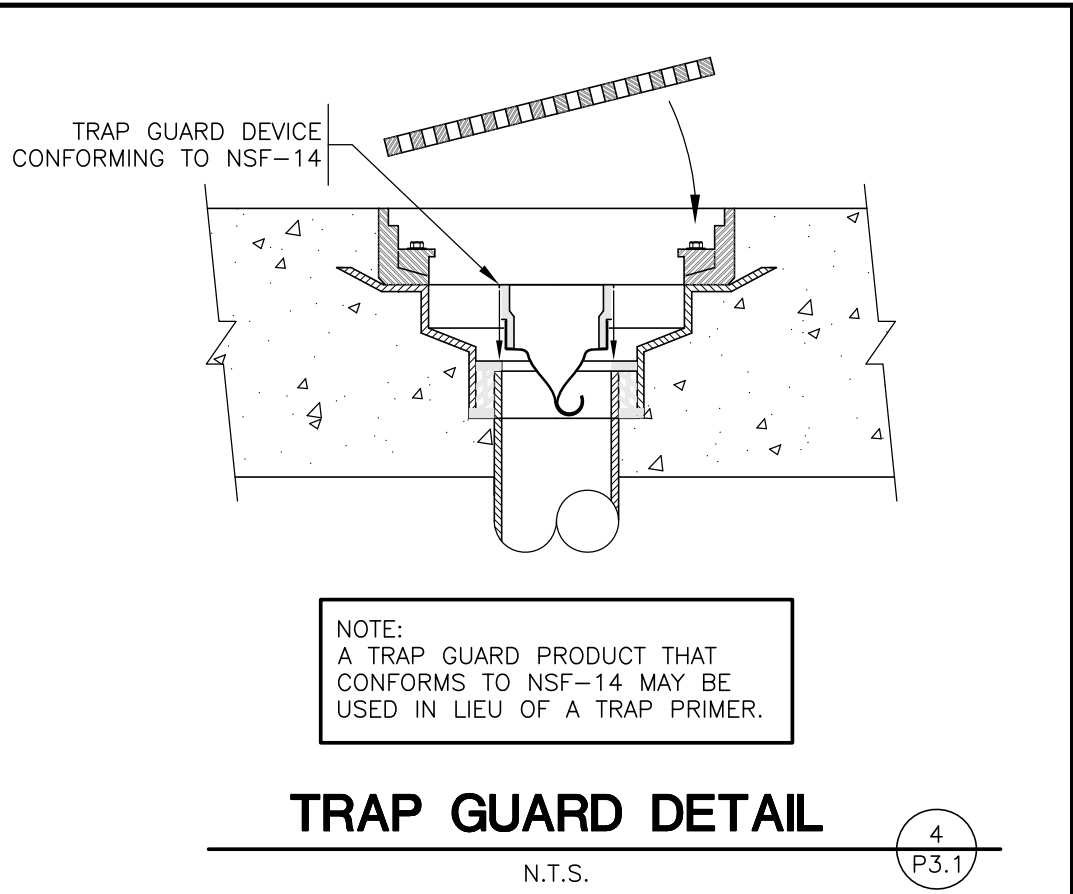
STREET ADDRESS
CITY, COUNTY, STATE ZIP



116 NORTH 2ND AVENUE - OZARK, MO 65721 - P (417) 581-8889 - F (417) 581-9002
ARCHITECTURAL CORPORATION MISSOURI LICENSE NUMBER A-2010011427



PLUMBING FIXTURE SCHEDULE									
MARK	DESCRIPTION	MANUFACTURER	CATALOG NO.	ACCESSORIES	PIPING REQUIREMENTS			REMARKS	APPROVED MANUFACTURERS
					WASTE	VENT	SUPPLY		
H.W.C.	HANDICAP ACCESSIBLE WATER CLOSET (TANK TYPE)	ZURN	Z5560 ELONGATED, 1.6 GPF	ZURN Z5950 WHITE OPEN FRONT SEAT COMPLETE WITH BOLT CAPS	4"	2"	1/2"		TOTO, KOHLER AND GERBER
LAV.	HANDICAP ACCESSIBLE LAVATORY (WALL MOUNTED)	ZURN	Z5344	ZURN FAUCET #Z81104-3M CENTERSET FAUCET WITH #Z8746-PC GRID STRAINER AND ZURN #Z1231 FLOOR MOUNTED LAVATORY SUPPORT	2"	1-1/2"	1/2"	0.5 GPM AERATOR 	TOTO, KOHLER AND GERBER
F.D.1	FLOOR DRAIN (INTERIOR)	ZURN	ZN415-B	TRAP GUARD TG-33 ZURN	2"	1-1/2"	-	COMBINATION WASTE VENT	WADE AND JAY R. SMITH
F.D.2	HEAVY DUTY FLOOR DRAIN	ZURN	ZN415-B-HD	TRAP GUARD TG-33 ZURN	3"	1-1/2"	-	COMBINATION WASTE VENT	WADE AND JAY R. SMITH
C.O.1	CLEANOUT (INTERIOR)	ZURN	ZN1400-BZ		PER PLAN	-	-	SAME SIZE AS LINE	WADE AND JAY R. SMITH
C.O.2	CLEANOUT (EXTERIOR)	ZURN	ZN-1474-G		PER PLAN	-	-	SAME SIZE AS LINE	WADE AND JAY R. SMITH
W.H.A.	WATER HAMMER ARRESTER	SIQUX CHIEF	653-B	-	-	-	-	-	WATTS
SK.1	DOUBLE COMPARTMENT SINK	ELKAY	LR-3322 (18 GAUGE)	ZP100-SS STRAINER AND ZURN FAUCET Z871C4 WITH WRIST BLADE HANDLES AND IN-SINK-ERATOR MODEL BADGER 5 PLUS (1/2 HP, 3 YEAR WARR.) FURNISH DISPOSER WITH CORD AND PLUG	2"	1-1/2"	1/2"	NO QUICK CLIPS ALLOWED 	JUST, ADVANCE TABCO, JOHN BOOS
W.M.B.	WASHING MACHINE BOX	GUY GRAY	T-200-TP	-	2"	1-1/2"	1/2"	METAL CONSTRUCTION	IPS AND OATEY
I.M.B.	ICE MAKER BOX	GUY GRAY	BIM875	-	-	-	1/2"	METAL CONSTRUCTION BOX PLASTIC BOXES WILL NOT BE ACCEPTED	IPS AND OATEY
W.H.	WATER HEATER	A. O. SMITH	ENT-55	WITH PRESSURE & TEMPERATURE RELIEF VALVE AND WATER HEATER PAN	-	-	1"	55 GALLON, 208V UPPER AND LOWER 4500 W	STATE AND BRADFORD WHITE
T.E.A.	THERMAL EXPANSION ABSORBER	AMTROL	ST-8	-	-	-	-	-	WATTS
H.SH.W.	HANDICAP ACCESSIBLE SHOWER	AKER BY MAAX	OPS-3636	WITH L SHAPED BAR, FOLD-UP SEAT, SOAP DISH, ZURN FAUCET Z7120-SS-LH-HW SHOWER VALVE, W/ HAND HELD SHOWER, SLIDE BRACKET AND WITH VACUUM BREAKER. PROVIDE WITH SHOWER DRAIN WITH STAINLESS GRID, CURTAIN ROD AND CURTAIN	2"	1-1/2"	1/2"	WITH INTEGRAL SUPPLY STOPS 	HAMILTON, KOHLER
S.D.	SHOWER DRAIN	ZURN	FD-2250-PV2-BN		2"	1-1/2"	-	COMBINATION WASTE VENT	WADE AND JAY R. SMITH
H.B.	HOSE BIBB (FREEZE-PROOF)	ZURN	Z1321-WC	WITH WALL CLAMP	-	-	3/4"	WITH VACUUM BREAKER AND BACKFLOW PREVENTER	JAY R. SMITH AND WOODFORD
M.V.	THERMOSTATIC MIXING VALVE	WATTS	#LFUSG-B	THERMOSTATIC MIXING VALVE	-	-	1/2"	 PER DETAIL 7/P3.1 ASSE 1070 LISTED	WILKINS, POWERS
M.B.	MOP SERVICE BASIN	ZURN	Z1996-24	ZURN #Z842M4-WHK-5H SERVICE FAUCET	3"	1-1/2"	1/2"		FIAT, STERN WILLIAMS
NOTES									
 COORDINATE ROUGH-IN OF ALL PLUMBING FIXTURES WITH ARCHITECTURAL DRAWINGS.				 ON ALL SINKS AND LAVATORIES WITH WRIST BLADE FAUCET HANDLES, SET THE HANDLES AT 180° FROM EACH OTHER (STRAIGHT ACROSS) SO THE HANDLE WILL NOT SWING INTO THE WATER STREAM WHEN TURNED ON.					
 SINKS AND LAVATORIES FOR HANDICAPPED ACCESS SHALL BE INSTALLED WITH OFFSET TAILPIECES. ALL SINK AND LAVATORY DRAIN AND WATER LINES SHALL BE INSULATED WITH PROTECTIVE DEVICES EQUAL TO ZURN Z8946 KIT AS REQUIRED PVC, OR "TRUEBRO" #103 EZ, WHITE MOLDED VINYL.				 ALL LAVATORIES AND SINKS SHALL BE INSTALLED WITH A THERMOSTATIC MIXING VALVE.					
 FOR HANDICAPPED-ACCESSIBLE WATER CLOSET, FURNISH AND INSTALL WITH THE FLUSH HANDLE ON THE WIDE SIDE OF THE RESTROOM OR STALL.									
NOTE: PIPE AND FITTING INFORMATION SHALL BE INCLUDED WITH THE PLUMBING FIXTURE SUBMITTALS.				(SUBSTITUTIONS MUST BE REVIEWED PRIOR TO BID DATE)					



NEW AIR EVAC FACILITY
FOR THE CITY OF DURANT, OK

ENGINEER OF RECORD:
BRENT L. COURTER
ENGINEER LICENSE #: 26244
PROJECT NUMBER: 24006 AEDO
REVISION:

P3.1
PLUMBING DETAILS
AND SCHEDULES
DATE: JUNE 26, 2024

TORGERSON

DESIGN PARTNERS

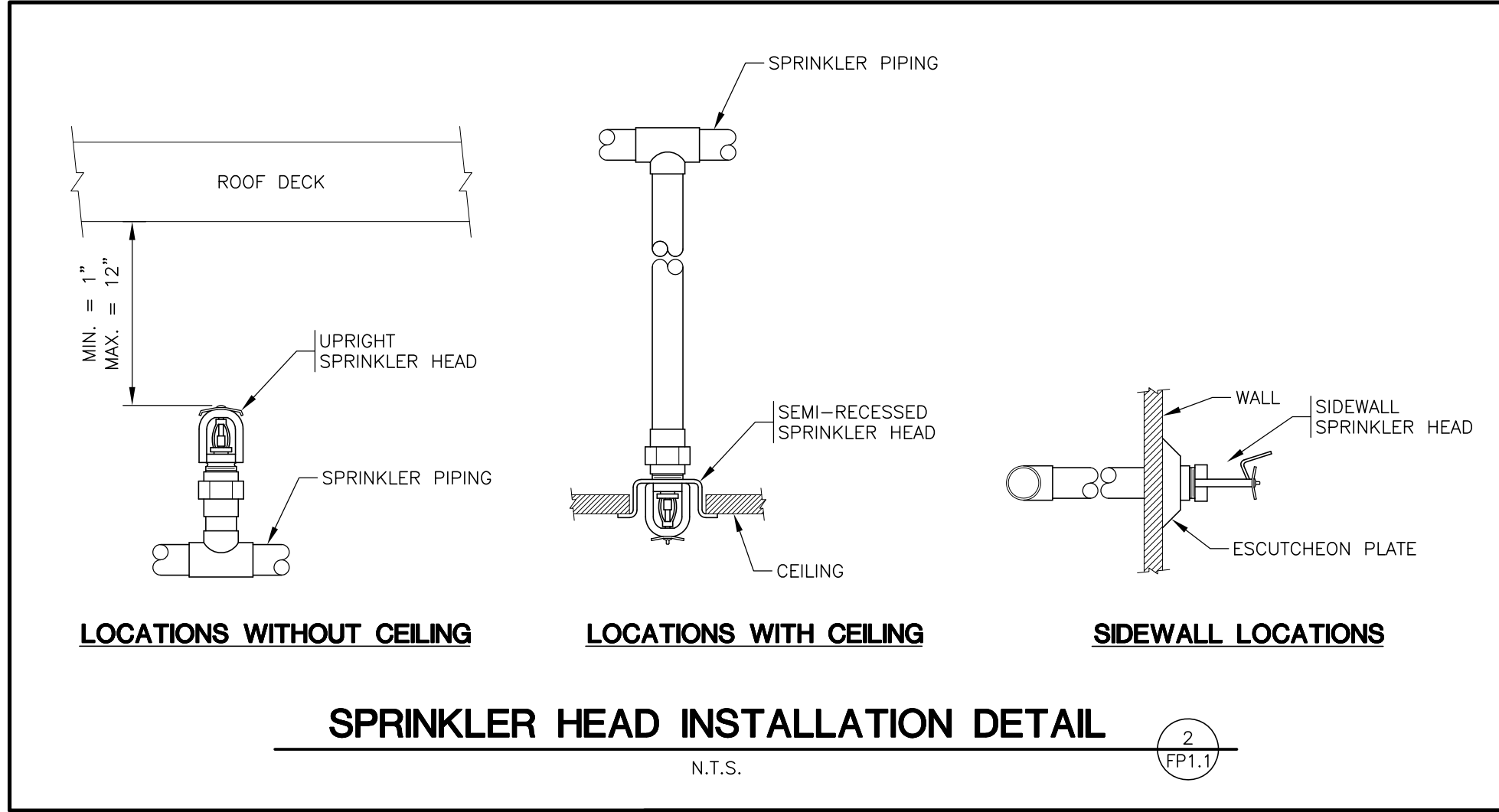
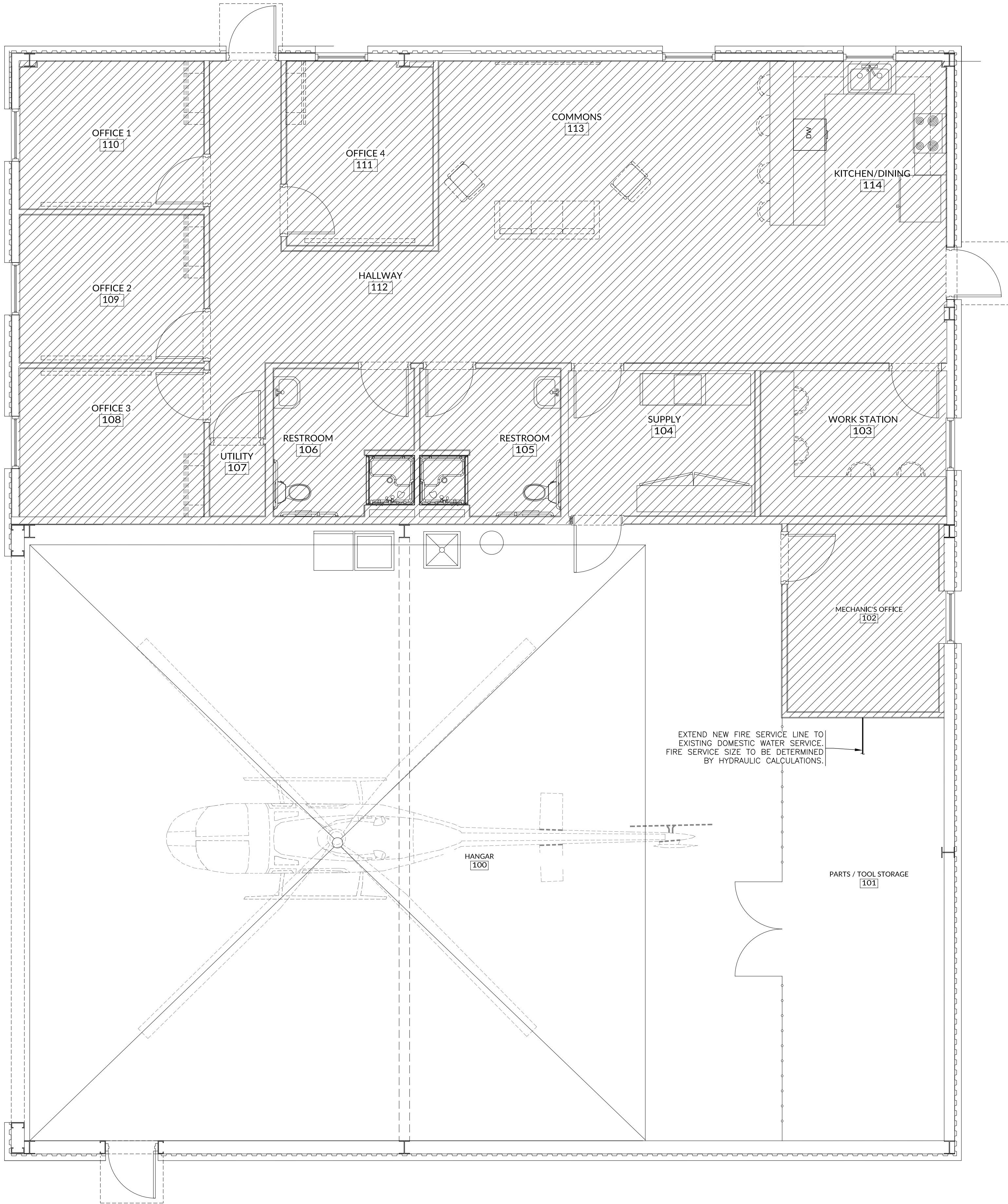
ARCHITECTURE / INTERIOR DESIGN / MANAGEMENT

116 NORTH 2ND AVENUE • OZARK, MO 65721 • P (417) 581-8889 • F (417) 581-9002
ARCHITECTURAL CORPORATION MISSOURI LICENSE NUMBER A-2010011427

STREET ADDRESS
CITY, COUNTY, STATE ZIP

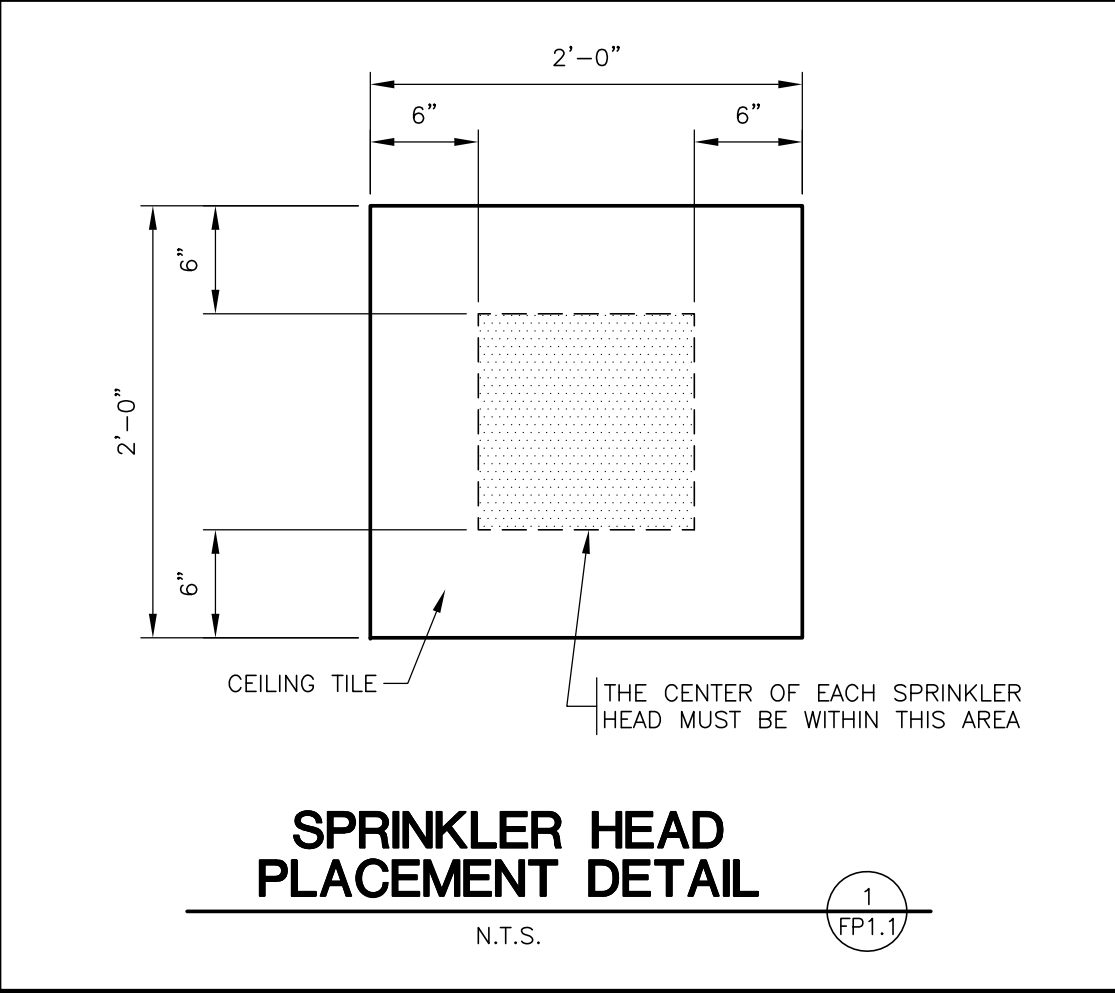
1 FIRE PROTECTION PLAN

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



SPRINKLER SYSTEM DESIGN CRITERIA			
HAZARD GROUP	AREA OF PROJECT	DENSITY (GPM/SF)	MAXIMUM AREA PER SPRINKLER (SF)
LIGHT HAZARD	AREA INDICATED BY HATCH	0.10	225
NOTES			
1. CONNECT SPRINKLER BACK TO EXISTING DOMESTIC WATER SERVICE. FIELD VERIFY SIZE AND LOCATION OF THE EXISTING SERVICE.			

NOTE: COORDINATE ALL HEAD AND PIPE LOCATIONS WITH THE WORK OF OTHER TRADES. VERIFY ALL CEILING CONDITIONS WITH ARCHITECTURAL PLANS.



- ### GENERAL SPRINKLER NOTES
- ALL DRAWINGS ARE "PRELIMINARY" (AS DEFINED BY NFPA 13D), DIAGRAMMATIC AND ARE NOT TO BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
 - THE CONTRACTOR SHALL COORDINATE WITH ALL STATE AND LOCAL BUILDING REGULATION AGENCIES AND UTILITY COMPANY(S) IN THE PROCUREMENT OF AND PAYMENT OF ALL PERMITS, LICENSES, FEES AND CHARGES REQUIRED FOR THE PERFORMANCE OF THE WORK.
 - THE CONTRACTOR IS RESPONSIBLE FOR ALL FEES AND DIRECT EXPENSES INVOLVED IN ANY INSPECTION REQUIRED FOR THE PROJECT.
 - SEE NOTES ON DRAWINGS FOR REQUIREMENTS FOR PIPING, SPRINKLER HEADS, BACKFLOW PREVENTION, SUBMITTALS, ETC.
 - SEE PLAN NOTES FOR HAZARD CLASSIFICATIONS. ALL PIPING SHALL BE SIZED BY HYDRAULIC CALCULATIONS.
 - ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 13D AND THE APPLICABLE BUILDING CODE REQUIREMENTS FOR PIPING INSTALLATIONS INCLUDING ASCE 7 EXCLUDING CHAPTER 14 AND APPENDIX 11A (SEISMIC REQUIREMENTS).
 - PIPING MATERIALS:
FIRE SERVICE LINE - C-900 PVC WITH GASKET JOINTS
SERVICE ENTRANCE - DUCTILE IRON PIPE WITH MECHANICAL JOINTS
FIRE PROTECTION MAINS - SCHEDULE 10 STEEL WITH GROOVED JOINTS
BRANCH PIPING - THREADABLE LIGHTWALL PIPE WITH THREADED JOINTS OR SCHEDULE 40 BLACK STEEL PIPE
HEADS - CHROME RECESSED PENDANT, 165°F, UNLESS NOTED OTHERWISE
 - COORDINATE ALL HEAD AND PIPE LOCATIONS WITH THE WORK OF OTHER TRADES. VERIFY ALL CEILING CONDITIONS. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
 - THE CONTRACTOR SHALL INSTALL A COMPLETE AND OPERABLE SYSTEM TO PROTECT THE BUILDING AS INDICATED, WHETHER OR NOT EVERY ELEMENT REQUIRED IS SPECIFICALLY CALLED OUT.
 - CONTRACTOR SHALL SUBMIT SPRINKLER SYSTEM DRAWINGS IDENTIFIED AS "WORKING PLANS" PREPARED ACCORDING TO NFPA 13D. SUBMIT REQUIRED NUMBER OF SETS TO AUTHORITY HAVING JURISDICTION FOR REVIEW, COMMENT AND APPROVAL. INCLUDE MATCHING SYSTEM HYDRAULIC CALCULATION. WORKING PLANS AND HYDRAULIC CALCULATIONS SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI. DO NOT SUBMIT UNSEALED DRAWINGS, AS THEY WILL BE REJECTED.
 - DO NOT INSTALL THE FIRE SERVICE OR ANY SPRINKLER SYSTEM PIPING UNTIL THE SPRINKLER SHOP DRAWINGS AND HYDRAULIC CALCULATIONS ARE APPROVED, BY THE FOLLOWING:
 - * OWNER
 - * ENGINEER
 - * CODE OFFICIALS

NEW AIR EVAC FACILITY
FOR THE CITY OF DURANT, OK

ENGINEER OF RECORD:
BRENT L. COURTER
ENGINEER LICENSE #: 26244

PROJECT NUMBER:
24006 AEDO

REVISION:

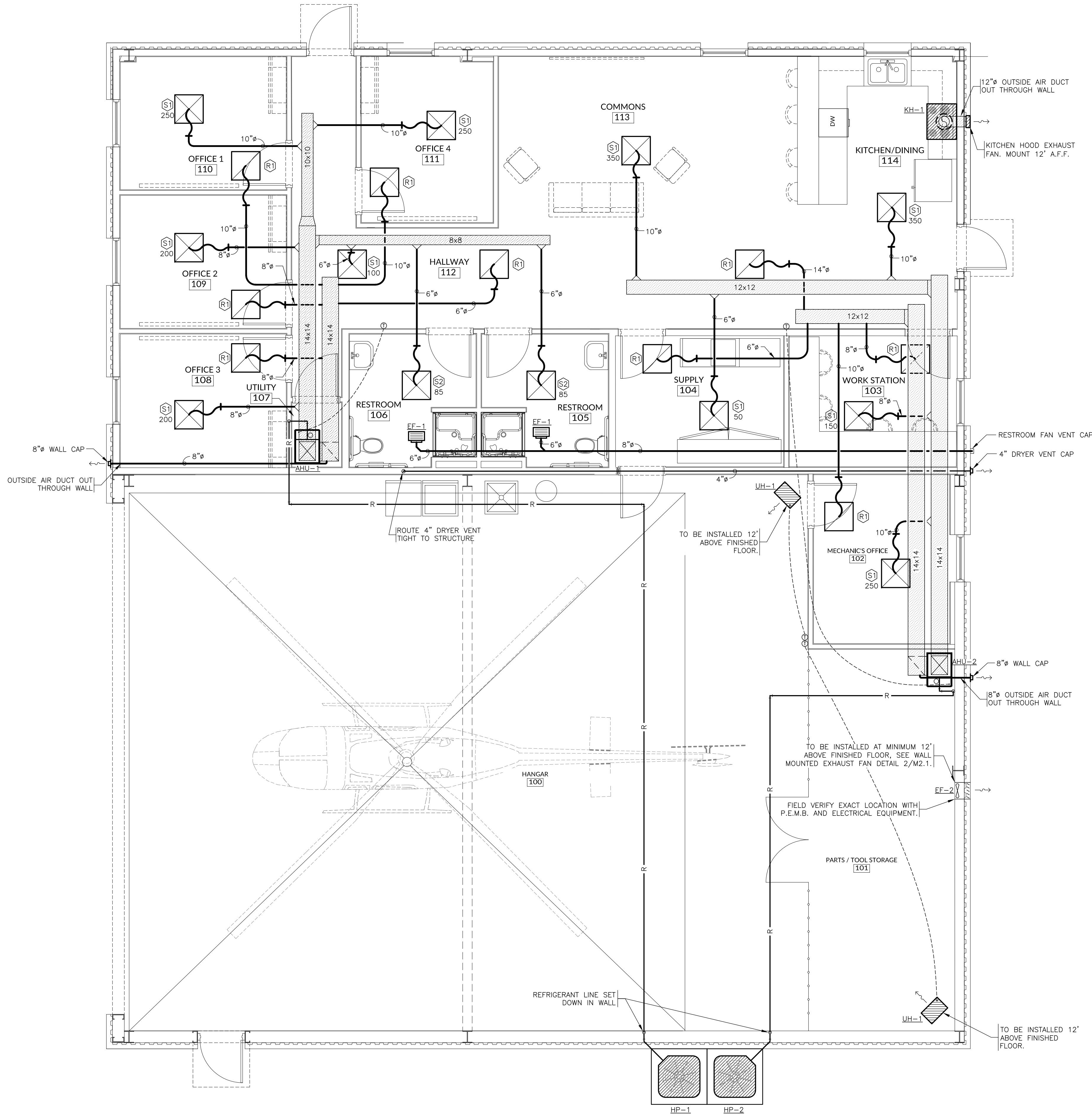
FP1.1
FIRE PROTECTION
PLAN
DATE: JUNE 26, 2024



STREET ADDRESS
CITY, COUNTY, STATE ZIP

116 NORTH 2ND AVENUE - OZARK, MO 65721 - P (417) 581-8889 - F (417) 581-9002
ARCHITECTURAL CORPORATION MISSOURI LICENSE NUMBER A-2010011427

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



GENERAL HVAC NOTES

1. ALL DRAWINGS ARE DIAGRAMMATIC AND ARE NOT TO BE SCALED. REFER TO ARCHITECTURAL PLANS OR FIELD MEASUREMENTS FOR DIMENSIONS.
2. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL CODE.
3. THE CONTRACTOR SHALL COORDINATE WITH ALL STATE AND LOCAL BUILDING REGULATION AGENCIES AND UTILITY COMPANY(S) IN THE PROCUREMENT OF AND PAYMENT OF ALL PERMITS, LICENSES, FEES AND CHARGES REQUIRED FOR THE PERFORMANCE OF THE WORK.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL FEES AND DIRECT EXPENSES INVOLVED IN ANY INSPECTION REQUIRED FOR THE PROJECT.
5. SEE SPECIFICATION SECTION "CONTRACT CLOSE-OUT AND COMMISSIONING" FOR WORK REQUIRED TO COMPLETE THIS PROJECT.
6. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING A BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.
7. A SUBMITTAL OF ALL MATERIALS AND EQUIPMENT PROPOSED TO BE USED ON THE JOB SHALL BE PREPARED AS SOON AS POSSIBLE AFTER AWARD OF THE CONTRACT. THE SUBMITTAL WILL BE REVIEWED FOR EQUAL QUALITY AND PERFORMANCE TO THE ITEMS SPECIFIED. ALL CONTROL DEVICES AND SEQUENCES OF CONTROL SHALL BE INCLUDED IN THE SUBMITTAL. A TABULATION OF SUBMITTED ITEMS MUST BE INCLUDED.
8. THE HVAC CONTRACTOR SHALL SUBMIT A COMPLETE LIST OF ALL ELECTRICAL POWER REQUIREMENTS OF ALL HVAC EQUIPMENT TO THE ENGINEER AND TO THE ELECTRICAL CONTRACTOR FOR COORDINATION OF WIRING AND CIRCUITS. ANY INADEQUACY OF WIRING PROVISIONS WILL BE RECTIFIED AT THE EXPENSE OF THE HVAC CONTRACTOR UNLESS THE REQUIREMENTS ARE SHOWN CLEARLY ON THIS LIST. HVAC EQUIPMENT SUBMITTALS WILL BE REJECTED IF THIS LIST IS NOT ATTACHED.
9. SEE SPECIFICATIONS FOR CONTROL SYSTEM REQUIREMENTS. THE PROPER PERFORMANCE OF THE CONTROL SYSTEM IS THE RESPONSIBILITY OF THIS CONTRACTOR.
10. THE CONTRACTOR SHALL COOPERATE AND COORDINATE ALL WORK WITH THE WORK OF OTHER CONTRACTORS ON THE PROJECT. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLANS, WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
12. SEE SPECIFICATIONS FOR ALL REQUIREMENTS FOR DUCTWORK, DUCT LINER AND INSULATION, AND DUCTWORK INSTALLATION REQUIREMENTS. DUCT DIMENSION ON PLANS ARE TO BE FINISHED INSIDE DIMENSIONS INSIDE THE LINER.
13. ALL ROOF AND WALL PENETRATIONS REQUIRED SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. PROVIDE ALL SLEEVES, FLASHING, CURBS, REINFORCING ANGLES, SUPPORTING FRAMES, ETC., WHICH ARE REQUIRED UNLESS THEY ARE SPECIFICALLY CALLED OUT TO BE FURNISHED BY OTHERS.
14. THE CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING DURING PERIOD OF CONSTRUCTION. VERIFY ALL POSSIBLE SCHEDULING CONFLICTS WITH THE OWNER'S REPRESENTATIVE.
15. INSTALL ACCESS PANELS OR DOORS WHERE EQUIPMENT AND/OR VALVES ARE LOCATED IN CONCEALED SPACES.
16. THE HVAC CONTRACTOR SHALL REFER TO "TYPICAL HVAC CONSTRUCTION AND INSTALLATION DETAILS" CONTAINED IN THIS PLAN SET FOR ADDITIONAL REQUIREMENTS.

HVAC LEGEND

	SUPPLY AIR DIFFUSER
	AIR FLOW INDICATOR
	RETURN AIR GRILLE
	EXHAUST REGISTER
	BELLMOUTH FITTING (WITH DAMPER)
	TURNING VANES
	VERTICAL SUPPLY DUCT
	VERTICAL RETURN DUCT
	ROUND DUCT
	RECTANGULAR DUCT
	SPIRAL DUCT
	EXHAUST DUCT
	ROUND DUCT
	FLEX DUCT
	THERMOSTAT
	MANUAL BALANCING DAMPER
	FIRE DAMPER
	MOTORIZED DAMPER
	REFRIGERANT LINES (LIQUID AND SUCTION)
	CONDENSATE DRAIN LINE
	HVAC EQUIPMENT

NEW AIR EVAC FACILITY
FOR THE CITY OF DURANT, OK

STREET ADDRESS
CITY, COUNTY, STATE ZIP

ENGINEER OF RECORD:
BRENT L. COURTER
ENGINEER LICENSE #: 26244

PROJECT NUMBER:
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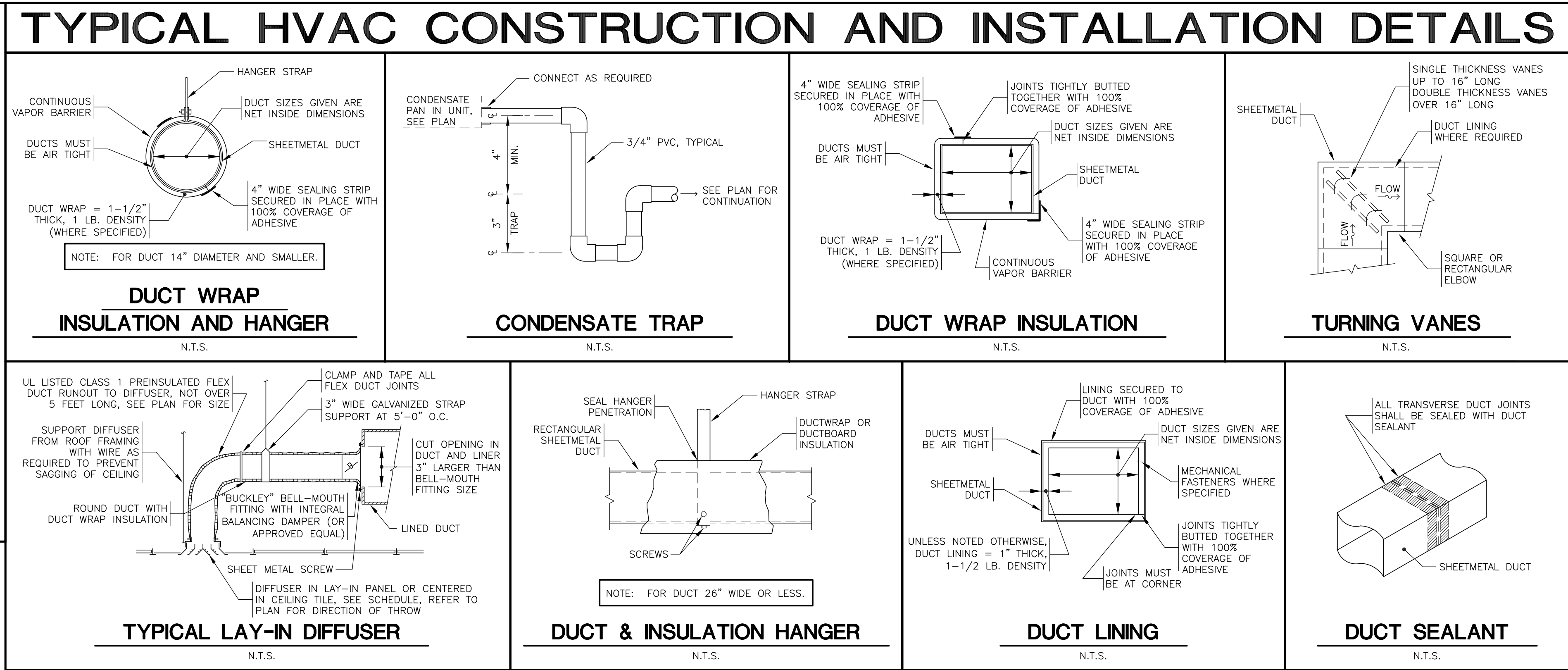
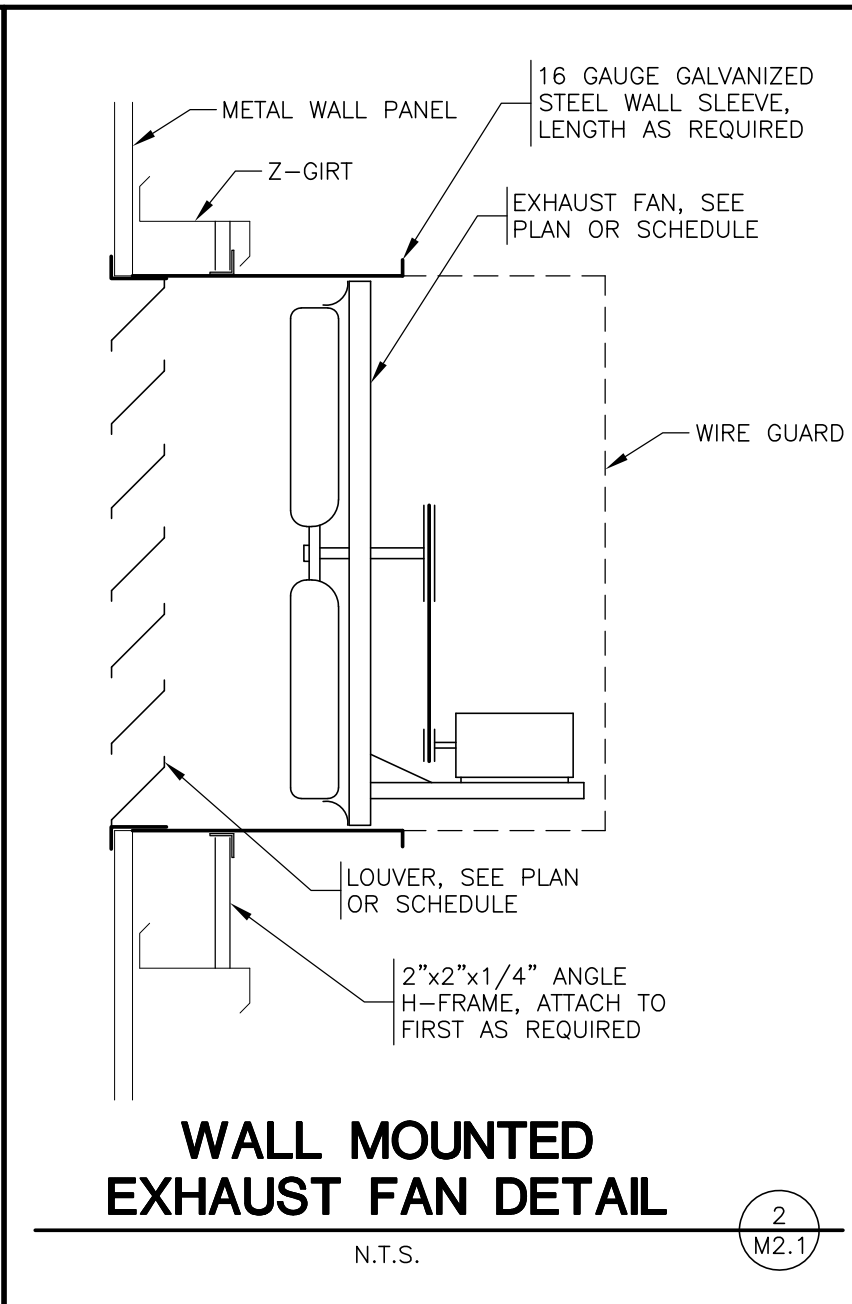
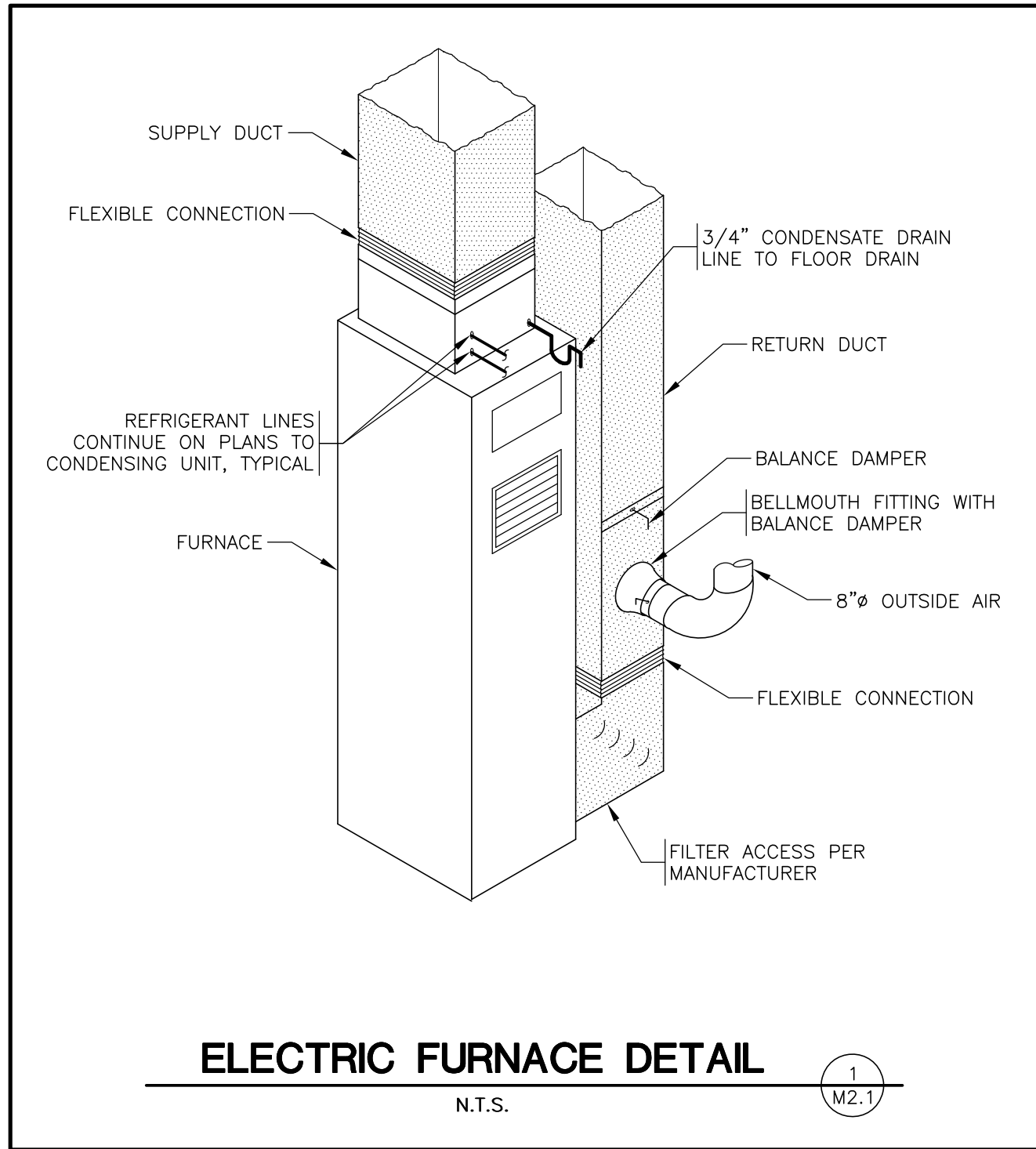
M1.1
HVAC PLAN

DATE: JUNE 26, 2024



TORGERSON
DESIGN PARTNERS
ARCHITECTURE / INTERIOR DESIGN / MANAGEMENT

116 NORTH 2ND AVENUE - OZARK, MO 65721 - P (417) 581-8889 - F (417) 581-9002
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KITCHEN HOOD SCHEDULE																					
MARK	DESCRIPTION	MFR.	MODEL NO.	TYPE	SIZE	EXHAUST PLENUM RISERS				HOOD CONSTRUCTION	FILTER(S)			LIGHT(S)		FIRE SYSTEM		WEIGHT (lbs)	REMARKS	REF. DETAIL	
						CFM	WIDTH	LENGTH	S.P.		TYPE	QUANTITY	HEIGHT	LENGTH	QUANTITY	TYPE	PIPING				SUPPRESSION
KH-1	KITCHEN HOOD EXHAUST	DENLAR	D1030-IE-WF (NFPA 101)	FIRE SUPPRESSION RANGE HOOD	2'-6"x1'-8"	250	9"	-	0.25	304 STAINLESS STEEL	STAINLESS STEEL GREASE BAFFLE	-	-	-	1	INCANDESCENT LIGHT	YES	PREINSTALLED	-		-
REMARKS																					
 HOOD SHALL AUTOMATICALLY DISCONNECT RANGE POWER UPON FIRE SUPPRESSION SYSTEM DISCHARGE (DONE VIA ELECTRIC RANGE ELEMENT DISCONNECT). PROVIDE WITH EXTERIOR WALL FAN PER NFPA101 (MAXIMUM 20 FEET DUCT LENGTH), AND MANUAL PULL STATION KIT LOCATED BY EXIT DOOR.																					

SPLIT SYSTEM HEAT PUMP/AIR HANDLING UNIT SCHEDULE																		
MARK	DESCRIPTION	MFR.	MODEL NO.	MBH OUT	HTG. KW	CLG. MBH		SEER	SUPPLY FAN				ELECTRICAL			ACCESSORIES	REMARKS	REF. DETAIL
						TOT.	SENS.		CFM	O.A.	E.S.P.	H.P.	V/PH	MCA	MOCP			
AHU-1 AHU-2	VERTICAL AIR HANDLING INDOOR UNIT	TRANE	TEM6AOC48H41	-	10.8	-	-	-	1450	190	0.5	3/4	208/1	52	50	EH,TS	-	3/M2.1
HP-1 HP-2	HEAT PUMP OUTDOOR UNIT	TRANE	4TWR6048H1	25.9	-	43.7	38.1	16.5	-	-	-	-	208/1	26	40	-	⚠ ⚠	-
ACCESSORIES									REMARKS									
EH - FIELD INSTALLED ELECTRIC HEATER (SEE HEATING KW FOR SIZE) TS - 7-DAY PROGRAMMABLE LOCKING THERMOSTAT									⚠ CAPACITY BASED ON 77.4°F EDB AND 62.3°F EWB AND 99°F AMBIENT TEMPERATURE. ⚠ HEAT PUMP HEATING BASED ON 47°F AMBIENT TEMPERATURE.									

AIR DEVICE SCHEDULE									
MARK	DESCRIPTION	MFR.	MODEL NO.	SIZE (Inches)	FINISH	MOUNTING	NECK SIZE	ACCESSORIES	REMARKS
S1	SUPPLY DIFFUSER	KRUEGER	5PLQ	24x24	WHITE	LAY-IN	SEE PLAN	-	-
S2	SUPPLY DIFFUSER	KRUEGER	5PLQ	24x24	WHITE	SURFACE	SEE PLAN	-	-
R1	RETURN AIR GRILLE	KRUEGER	EGC5	22x22	WHITE	LAY-IN	SEE PLAN	SR	-
BD	BALANCING DAMPER	VENT PRODUCTS	5101 OR 5102	SAME AS DUCT	-	DUCT	-	-	-
MD	MOTORIZED DAMPER	VENT PRODUCTS	5811	SAME AS DUCT	-	DUCT	-	BELIMO #NF-120 SPRING-RETURN DAMPER MOTOR	-
BM	BELLMOUTH FITTING WITH DAMPER	BUCKLEY	BM-D	SAME AS DUCT	-	DUCT	SEE PLAN	NEOPRENE GASKET 26-GAUGE STEEL DAMPER	-
ACCESSORIES					REMARKS				
BS - BIRD SCREEN RC - SLOPED ROOF CURB OBD - OPPOSED BLADE DAMPER SR - SQUARE TO ROUND ADAPTER									

UNIT HEATER SCHEDULE														
MARK	DESCRIPTION	MFR.	MODEL NO.	HEATING		CFM (NOM)	MOTOR H.P.	ELECTRICAL			WEIGHT (lbs)	ACCESSORIES	REMARKS	REF. DETAIL
				KW	MBH			V/PH	KW	MOCAP				
UH-1	ELECTRIC UNIT HEATER	QMARK	MUH-158	15	51.2	910	1/20	208/1	7.5	-	53	TS,TV,WB	-	-
ACCESSORIES							REMARKS							
TV - 24 VOLT CONTROL VOLTAGE TS - HEATING ONLY THERMOSTAT WITH LOCKING COVER (SET AT 60°F) WB - WALL MOUNT BRACKET, SWIVEL														

EXHAUST FAN SCHEDULE												
MARK	DESCRIPTION	MFR.	MODEL NO.	CFM (NOM)	STATIC PRESS.	MOTOR H.P.	ELECTRICAL			ACCESSORIES	REMARKS	REF. DETAIL
							V/PH	MCA	MOCP			
EF-1	CEILING RESTROOM EXHAUST FAN	COOK	GC-128	50	0.2	24.1 W	115/1	<1	—	BD	⚠	—
EF-2	WALL EXHAUST FAN	COOK	AWD 16A17D	1760	0.25	1/3	115/1	7.2	15	DS,MD	⚠	2/M2.1
ACCESSORIES						REMARKS						
BD - BACKDRAFT DAMPER DS - DISCONNECT SWITCH MD - MOTORIZED HEAVY DUTY GALVANIZED SHUTTER						⚠ WIRE TO RUN WHEN RESTROOM LIGHTS ARE ON.						
						⚠ WIRE TO SEPARATE SWITCH ON WALL. SEE ELECTRICAL						



TORGERSON

DESIGN PARTNERS

ARCHITECTURE / INTERIOR DESIGN / MANAGEMENT

NEW AIR EVAC FACILITY

FOR THE CITY OF DURANT, OK

STREET ADDRESS

CITY, COUNTY, STATE ZIP

ENGINEER OF RECORD:

BRENT L. COURTER

ENGINEER LICENSE #:

26244

PROJECT NUMBER:

24006 AEDO

REVISION:

M2.1

MECHANICAL DETAILS

AND SCHEDULES

DATE: JUNE 26, 2024

116 NORTH 2ND AVENUE - OZARK, MO 65721 - P (417) 581-8889 - F (417) 581-9002

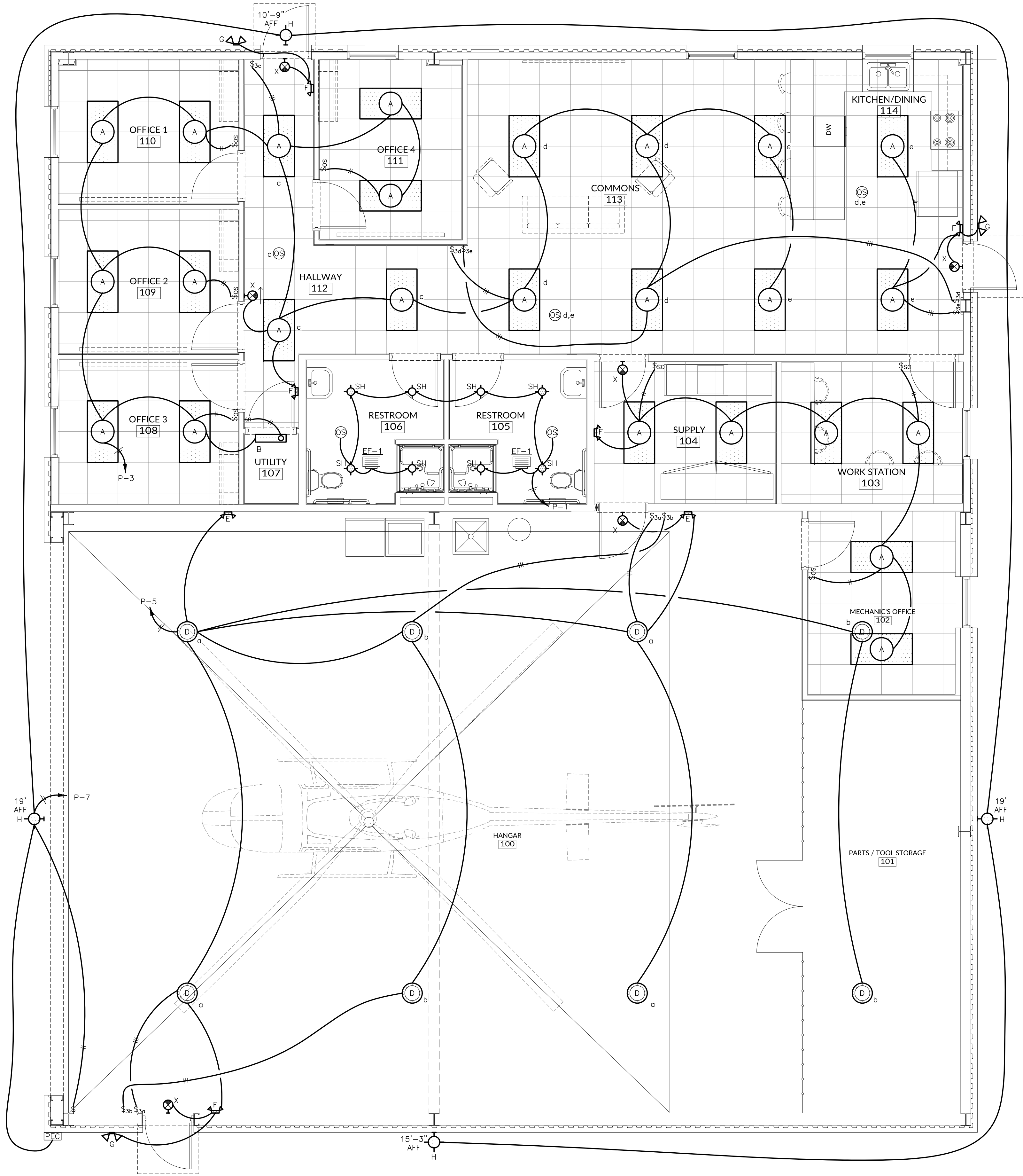
ARCHITECTURAL CORPORATION MISSOURI LICENSE NUMBER A-2010011427

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1 LIGHTING PLAN

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



GENERAL ELECTRICAL NOTES

1. ALL DRAWINGS ARE DIAGRAMMATIC AND ARE NOT TO BE SCALED. SEE THE ARCHITECTURAL PLANS AND FIELD VERIFY CONDITIONS FOR DIMENSIONS.
2. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2017 NEC.
3. THE CONTRACTOR SHALL COORDINATE WITH ALL STATE AND LOCAL BUILDING REGULATION AGENCIES AND UTILITY COMPANY(S) IN THE PROCUREMENT OF AND PAYMENT OF ALL PERMITS, LICENSES, FEES AND CHARGES REQUIRED FOR THE PERFORMANCE OF THE WORK.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL FEES AND DIRECT EXPENSES INVOLVED IN ANY INSPECTION REQUIRED FOR THE PROJECT.
5. SEE SPECIFICATION SECTION "CONTRACT CLOSE-OUT AND COMMISSIONING" FOR WORK REQUIRED TO COMPLETE THIS PROJECT.
6. ALL WIRING SHALL BE IN CONDUIT. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 WITH RGS ELLS. EXPOSED OUTDOOR LOCATIONS SHALL BE RGS. ALL INTERIOR CONDUIT SHALL BE EMT ABOVE GRADE. MC OR HCF/AC CABLE ALLOWED ONLY IN MAXIMUM 20' LENGTHS AND ONLY AT THE LOCATIONS SHOWN ON THE "ALLOWABLE RACEWAY INSTALLATIONS" DETAIL. FOOD SERVICE EQUIPMENT, APPLIANCES AND EQUIPMENT WITH MOTORS SHALL BE FLEXIBLE METALLIC CONDUIT. FLEXIBLE METALLIC CONDUIT NOT ALLOWED FOR "HOME RUN" CIRCUITS BEYOND PERIMETER OF ROOM WHERE LOAD IS SERVED.
7. COORDINATE ALL WORK WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
8. ALL WIRING IN FINISHED SPACES SHALL BE CONCEALED, UNLESS NOTED OTHERWISE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLAN(S), WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
10. ALL BRANCH CIRCUITS SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE CIRCUIT CONDUCTORS. THIS MEANS THAT ALL CONDUITS MUST HAVE A "GREEN" WIRE INSTALLED IN THEM AND SIZED IN ACCORDANCE WITH TABLE 250.122 OF THE NEC.
11. CONTRACTOR SHALL VERIFY THE POWER REQUIREMENTS OF ALL PLUMBING AND HVAC EQUIPMENT PRIOR TO ROUGHING IN AND PRIOR TO EQUIPMENT BEING INSTALLED. (ELECTRICAL CHARACTERISTICS OF INSTALLED PLUMBING AND HVAC EQUIPMENT MAY VARY FROM CHARACTERISTICS OF EQUIPMENT SPECIFIED).
12. ON 240 VOLT THREE PHASE ELECTRICAL SYSTEMS ALL 120 ELECTRICAL CONNECTIONS SHALL BE VERIFIED FOR PROPER CONNECTED VOLTAGE AND PHASING BEFORE EQUIPMENT STARTUP.
13. ALL OUTLET BOXES SHALL BE METALLIC.
14. RECEPTACLES INSTALLED IN RESTROOMS AND KITCHENS SHALL BE GFCI TYPE OR SHALL BE PROTECTED BY A GFCI DEVICE.
15. BRANCH CIRCUITS FEEDING EMERGENCY ILLUMINATION UNITS SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THAT AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES. SEE NEC ARTICLE 700.
16. IF THE BUILDING'S HVAC SYSTEM UTILIZES THE PLENUM ABOVE THE CEILING FOR RETURN AIR THEN THE E.C. SHALL AVOID THE INSTALLATION OF ANY COMBUSTIBLE INSULATION, PVC CONDUIT AND LOW VOLTAGE WIRING THAT IS NOT RATED FOR USE IN PLENUMS.
17. MULTIWIRE BRANCH CIRCUITS WITH A "SHARED NEUTRAL" ARE NOT ALLOWED FOR SINGLE PHASE CIRCUITS.

LIGHTING SYMBOL LEGEND

- ALL SYMBOLS MAY NOT OCCUR ON THIS PROJECT.
 - COLOR OF ALL SWITCHES AND RECEPTACLES SHALL BE SELECTED BY OWNER/ARCHITECT
 - COVERPLATES SHALL BE STAINLESS STEEL.
- | | |
|--|--|
| | RECESSED OR SURFACE CEILING MOUNT LIGHT FIXTURE AS SPECIFIED |
| | WALL MOUNT LIGHT FIXTURE AS SPECIFIED |
| | FLUORESCENT OR LED LIGHT FIXTURE AS SPECIFIED |
| | FLUORESCENT OR LED LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP. DRIVER OR BALLAST WILL REQUIRE INSTALLATION OF UNSWITCHED 120V CONDUCTOR FOR VOLTAGE SENSING IN ADDITION TO ALL OTHER CIRCUIT & CONTROL CONDUCTORS |
| | WALL OR CEILING MOUNTED "EXIT" SIGN |
| | WALL MOUNT "EXIT" SIGN WITH SHADING INDICATING FACE(S) |
| | FLOOD LIGHT FIXTURE WITH A 90 MINUTE BATTERY BACKUP, MOUNT 1'-0" BELOW CEILING |
| | FLOOD LIGHT FIXTURE WITH A 90 MINUTE BATTERY BACKUP, CEILING MOUNTED |
| | NIGHT LIGHT FIXTURE |
| | SINGLE POLE SWITCH |
| | TWO POLE SWITCH |
| | THREE-WAY SWITCH |
| | FOUR-WAY SWITCH |
| | DIMMER SWITCH, 0-10 VDC COMPATIBLE WITH DRIVER OR BALLAST |
| | 3-WAY TOGGLE SWITCH WITH DIMMING FUNCTION EQUAL TO "LEVITON #TGM10-1LA" |
| | WALL BOX OCCUPANCY SENSOR EQUAL TO "WATTSTOPPER, DSW-301-W". |
| | OCCUPANCY SENSOR EQUAL TO "WATTSTOPPER, DT-305" WITH POWER PACK |
| | PHOTOELECTRIC CONTROL FOR EXTERIOR LIGHTING |
| | JUNCTION BOX |

NEW AIR EVAC FACILITY
FOR THE CITY OF DURANT, OK

STREET ADDRESS
CITY, COUNTY, STATE ZIP

ENGINEER OF RECORD:
BRENT L. COURTER
ENGINEER LICENSE #:
26244

PROJECT NUMBER:
24006 AEDO

REVISION:

E1.1
LIGHTING PLAN

DATE: JUNE 26, 2024



116 NORTH 2ND AVENUE • OZARK, MO 65721 • P (417) 581-8889 • F (417) 581-9002
ARCHITECTURAL CORPORATION MISSOURI LICENSE NUMBER A-2010011427

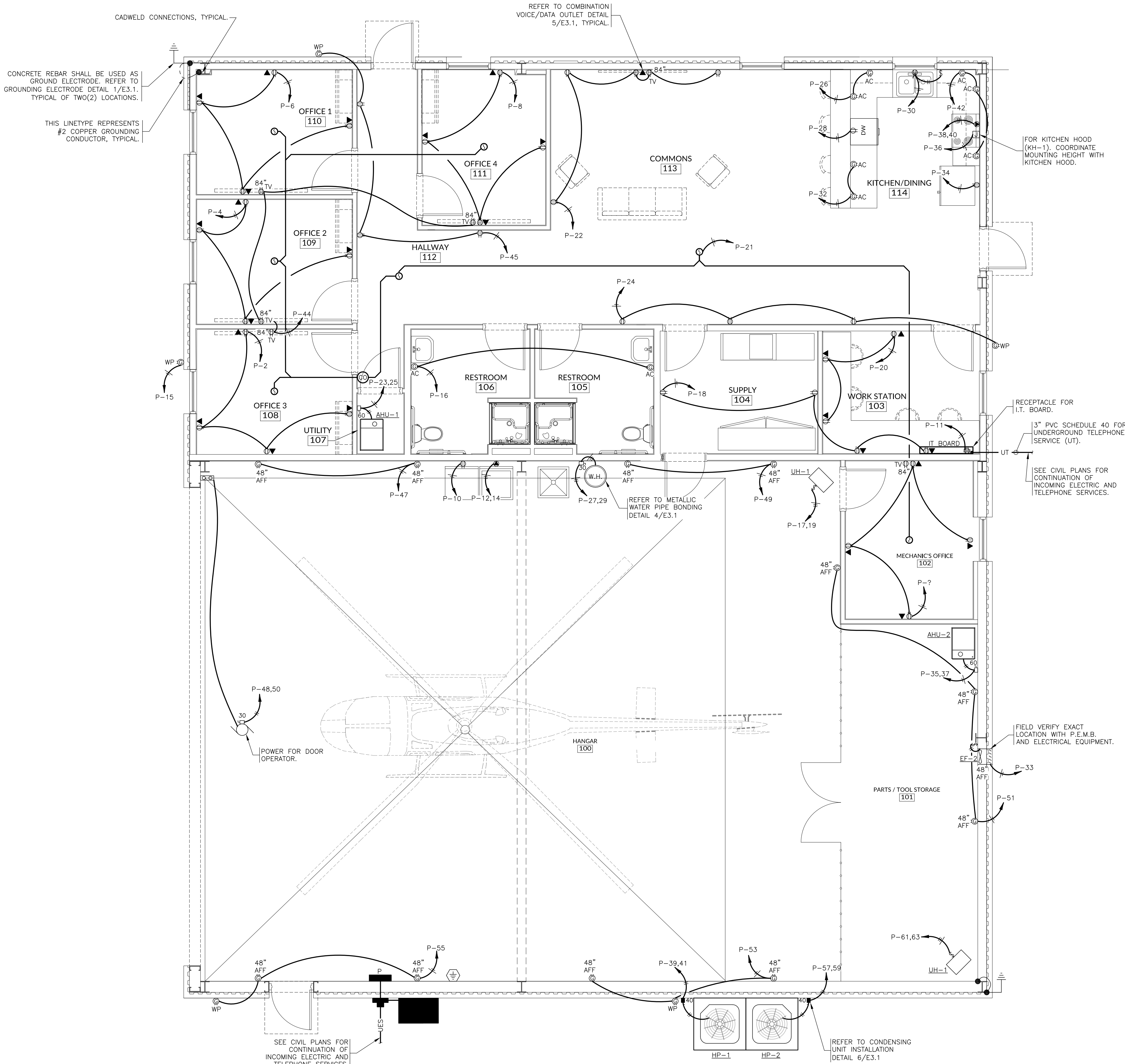


3855 S. JEFFERSON AVE. P: 417-882-2200
SPRINGFIELD, MO 65807 F: 417-882-1188
WWW.SMITHGOTH.COM



1 POWER PLAN

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



POWER SYMBOL LEGEND

- ALL SYMBOLS MAY NOT OCCUR ON THIS PROJECT.
 - COLOR OF ALL SWITCHES AND RECEPTACLES SHALL BE SELECTED BY OWNER/ARCHITECT.
 - COVERPLATES SHALL BE STAINLESS STEEL.
- STANDARD DUPLEX RECEPTACLE
- DESIGNATED ISOLATED GROUND DUPLEX RECEPTACLE (GRAY RECEPTACLE FOR COMPUTER USE)
- QUADPLEX RECEPTACLE (TWO DUPLEX RECEPTACLES IN ONE 2-GANG BOX UNDER A SINGLE COVERPLATE)
- GFI (GROUND FAULT CIRCUIT INTERRUPTING) DUPLEX RECEPTACLE
- WEATHER RESISTANT GFI DUPLEX RECEPTACLE WITH IN USE WEATHERPROOF COVER
- SPECIAL RECEPTACLE, VERIFY CONFIGURATION
- COMBINATION TELEPHONE/COMMUNICATION/DATA OUTLET BOX WITH 3/4" CONDUIT STUBBED INTO CEILING SPACE, VERIFY EXACT LOCATION. INSTALL PULL STRING WITH 12" OF EXCESS COILED AT EACH END OF CONDUIT RUN. SEE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- NORMALLY CLOSED, EMERGENCY SHUTOFF PUSHBUTTON WITH PERMANENT SIGN WITH TEXT "FUEL PUMP EMERGENCY STOP". SHUTOFF SHALL DISCONNECT ALL CONDUCTORS INCLUDING THE GROUNDED CONDUCTOR (I.E. NEUTRAL) IN ACCORDANCE TO THE N.E.C. ARTICLE 514 AND BE PROTECTED BY NECESSARY WEATHERPROOF ENCLOSURE AND CONNECTIONS.
- AIRCRAFT STATIC GROUND CABLE REEL EQUAL TO "NATIONAL SPENCER 1472NS". COORDINATE EXACT MOUNTING HEIGHT WITH OWNER. INSTALL #2 GROUND CONDUCTOR TO BUILDING GROUNDING SYSTEM.
- JUNCTION BOX
- MOTOR
- NON FUSED DISCONNECT (SAFETY) SWITCH WITH AMPACITY AS INDICATED
- FUSED DISCONNECT (SAFETY) SWITCH WITH FUSE AMPACITY AS INDICATED
- GARAGE DOOR OPERATOR
- POWER OR LIGHTING PANEL WITH PANEL DESIGNATION SHOWN ON PLAN (SIZES AND MOUNTING INDICATED ON PLANS)
- FEEDING PANEL AND CIRCUIT NUMBER(S)
- NOTE: EQUIPMENT GROUND CONDUCTOR NOT SHOWN
- CIRCUIT CONDUCTORS
- GROUNDED CIRCUIT CONDUCTOR (OR NEUTRAL)
- 120V CARBON MONOXIDE DETECTOR WITH BATTERY BACKUP, MOUNT AT 5' AFF
- 120V PHOTOELECTRIC SMOKE DETECTOR WITH BATTERY BACKUP

ELECTRICAL ABBREVIATIONS

AC (LOCATED) ABOVE COUNTER	KP DATA BOX FOR SECURITY KEY PAD, MOUNT AT 48" AFF
AFF ABOVE FINISHED FLOOR	LC LIGHTING CONTACTOR
A/V AUDIBLE/VISIBLE	MS MOTOR STARTER
BCM MOUNTED 1' BELOW CEILING	NCP NURSE CALL SYSTEM PANEL
CF CEILING FAN	NL NIGHT LIGHT
CM CEILING MOUNTED	NF NON-FUSIBLE
D DIMMER	OSCI OWNER SUPPLIED CONTRACTOR INSTALLED
E.C. ELECTRICAL CONTRACTOR	PEC PHOTOELECTRIC CONTROL
EF EXHAUST FAN	REC RECESSED DEVICE
EMT ELECTRICAL METALLIC TUBING	RGS RIGID GALVANIZED STEEL
ETS ELECTRONIC TIME SWITCH	SM SURFACE MOUNT
FACP FIRE ALARM CONTROL PANEL	RT LOCATED ON THE ROOFTOP
FD FLUORESCENT DIMMER	SSP SECURITY SYSTEM PANEL
FL INFLOOR MOUNTED DEVICE	TV (FOR) TELEVISION, VERIFY WITH ARCHITECT MOUNTING HEIGHT OF BOX
FUS FUSIBLE	WH WATER HEATER
GB GARBAGE DISPOSER	WP IN-USE WEATHERPROOF ENCLOSURE
GFI GROUND-FAULT CIRCUIT INTERRUPTING	X EXPLOSION PROOF ASSEMBLY
IG ISOLATED GROUND	
IMC INTERMEDIATE METALLIC TUBING	
K KEY OPERATED	

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E2.1
POWER PLAN

DATE: JUNE 26, 2024

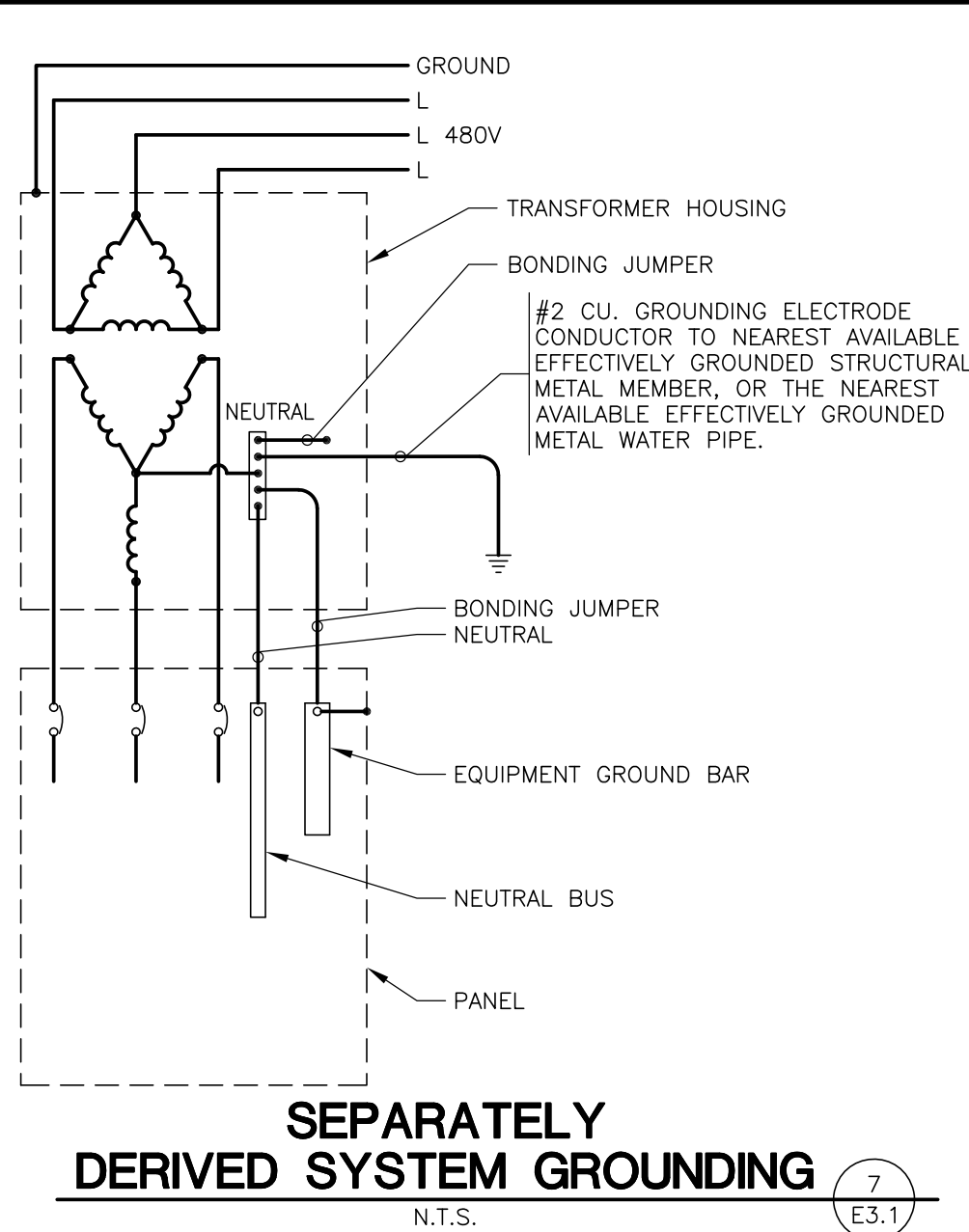
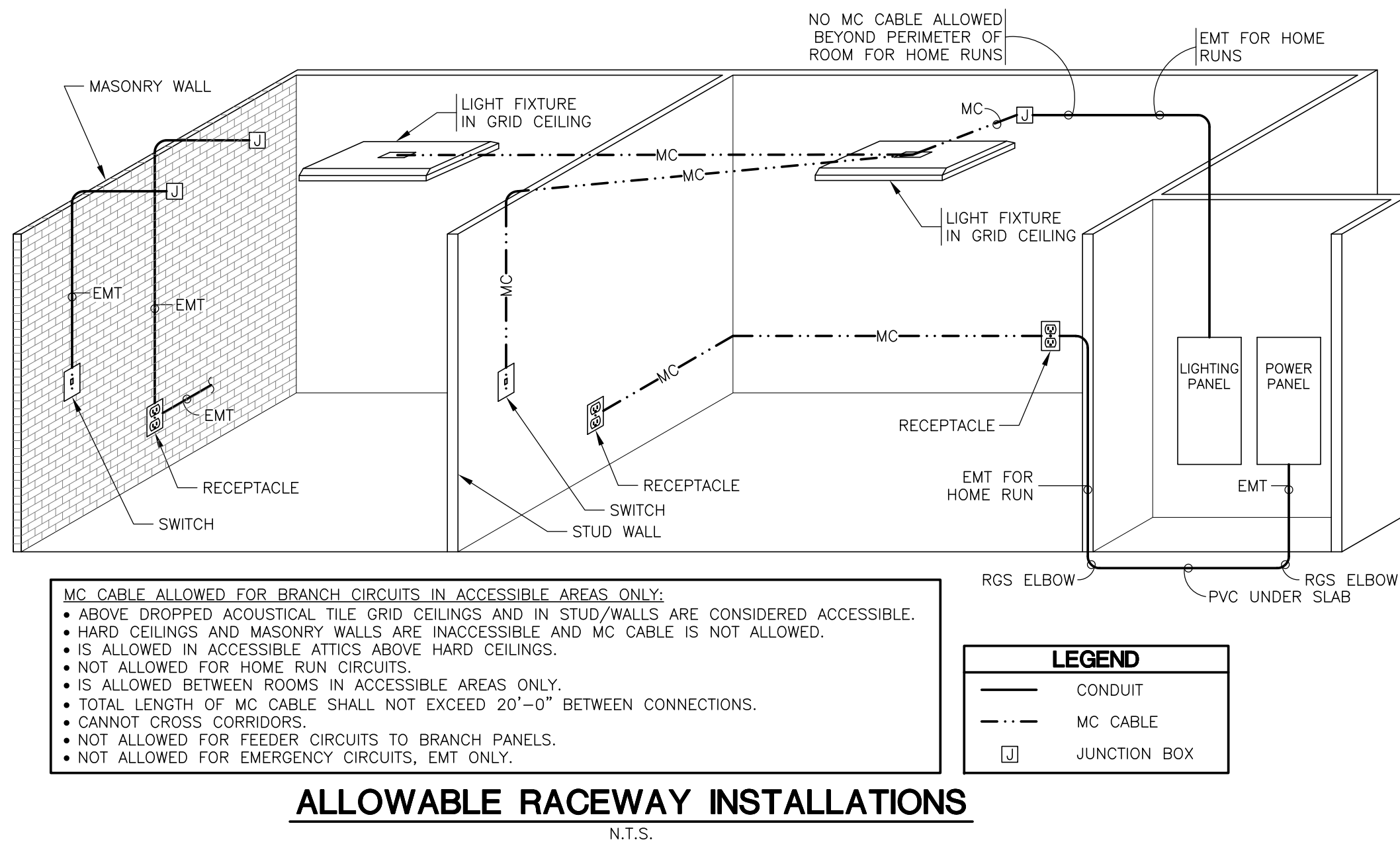
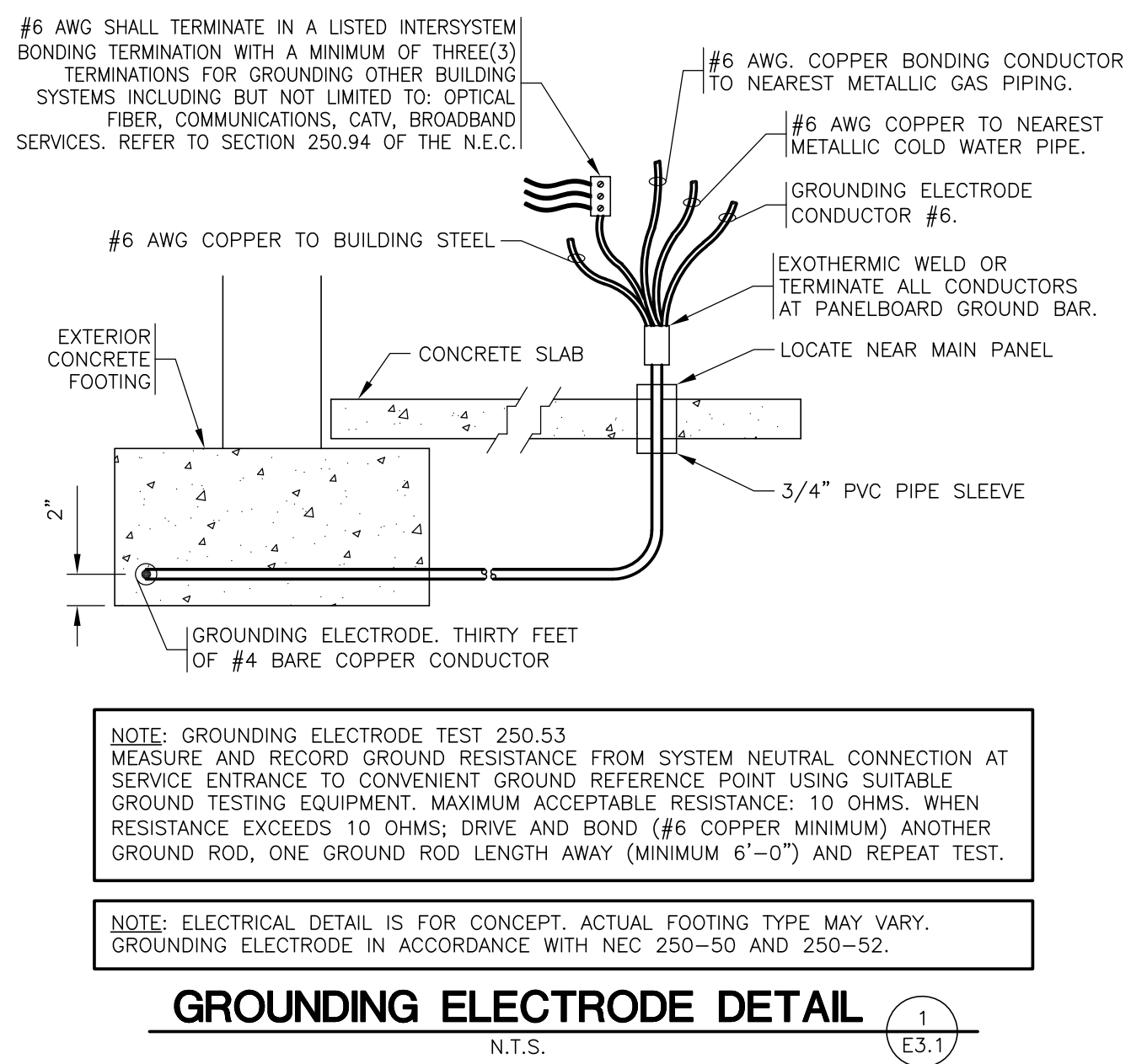
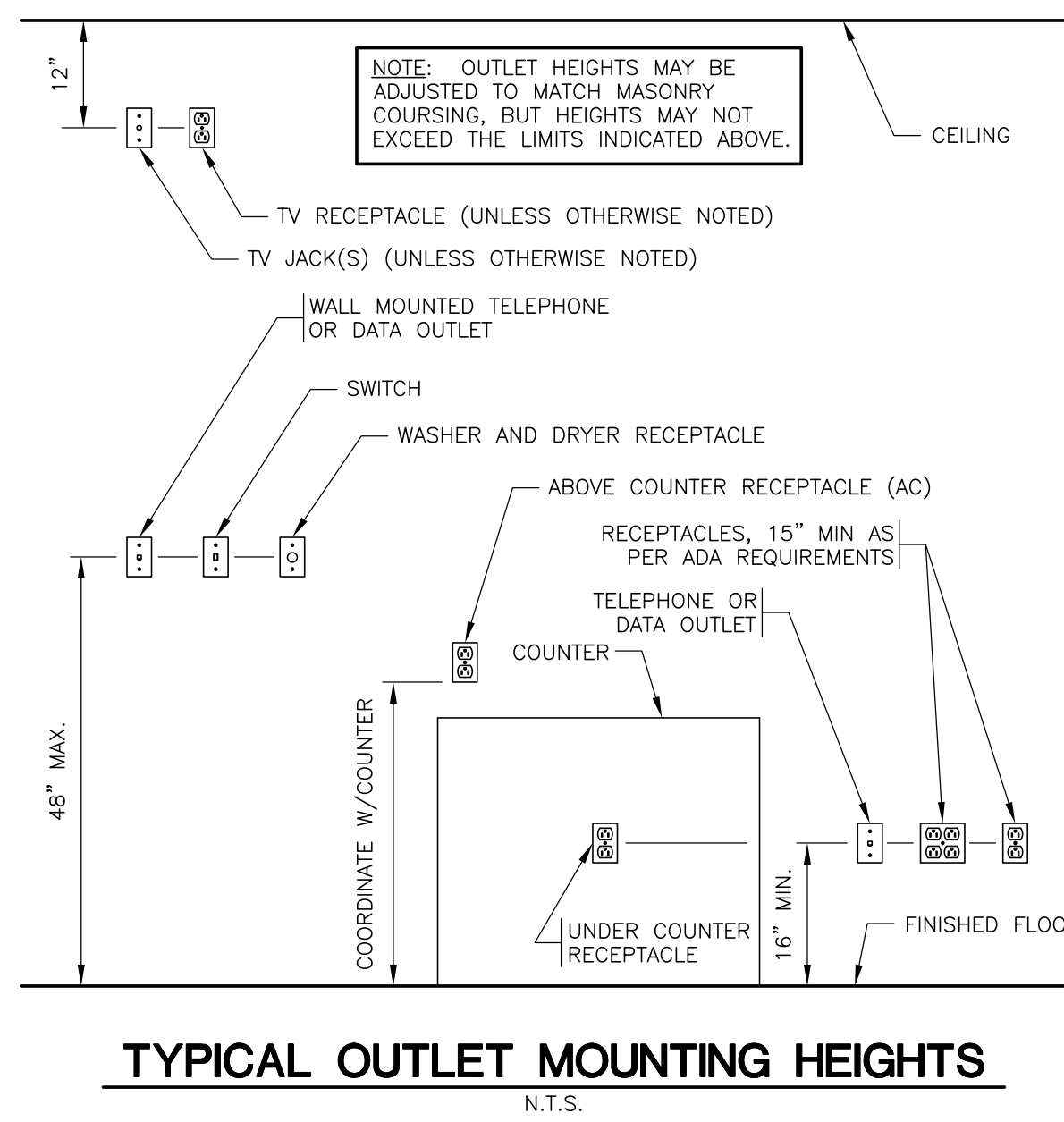
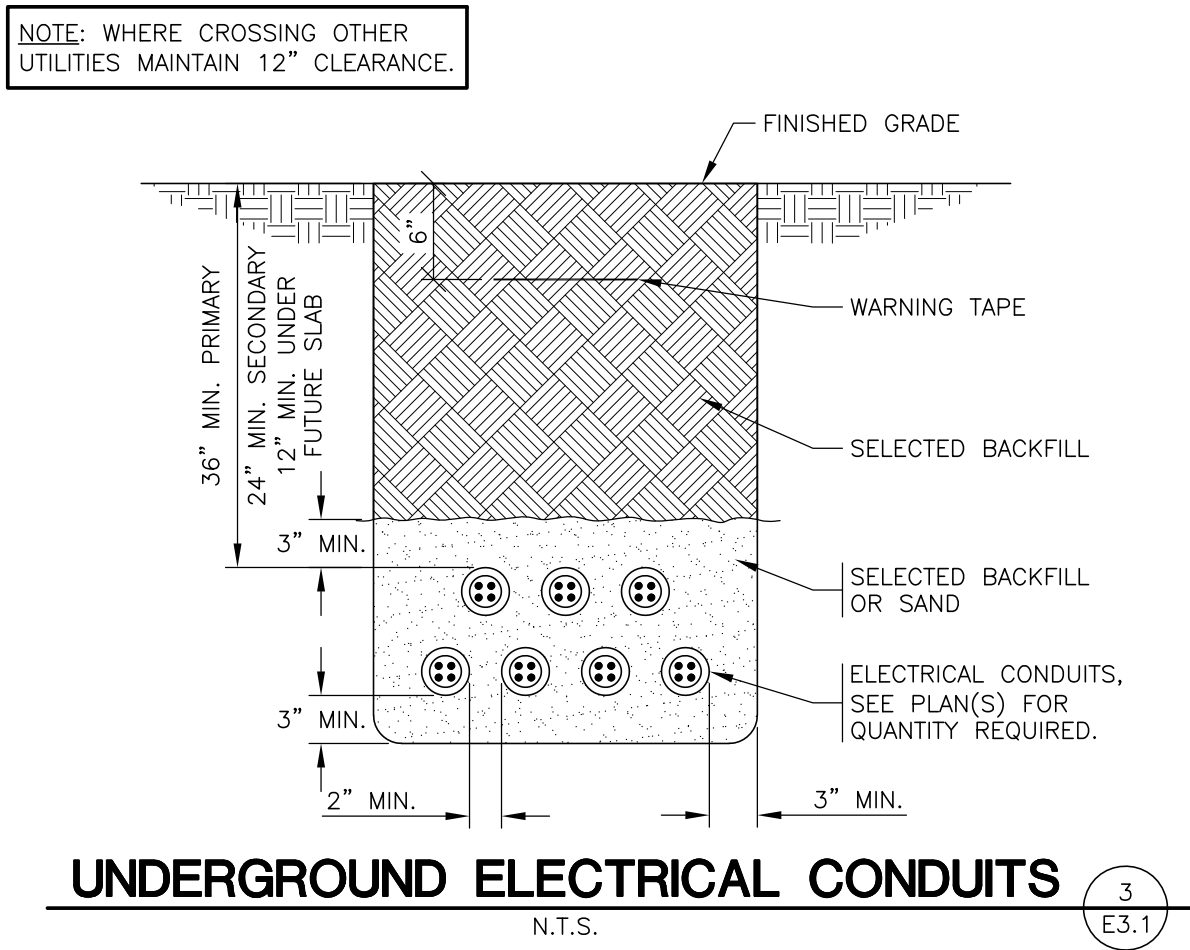
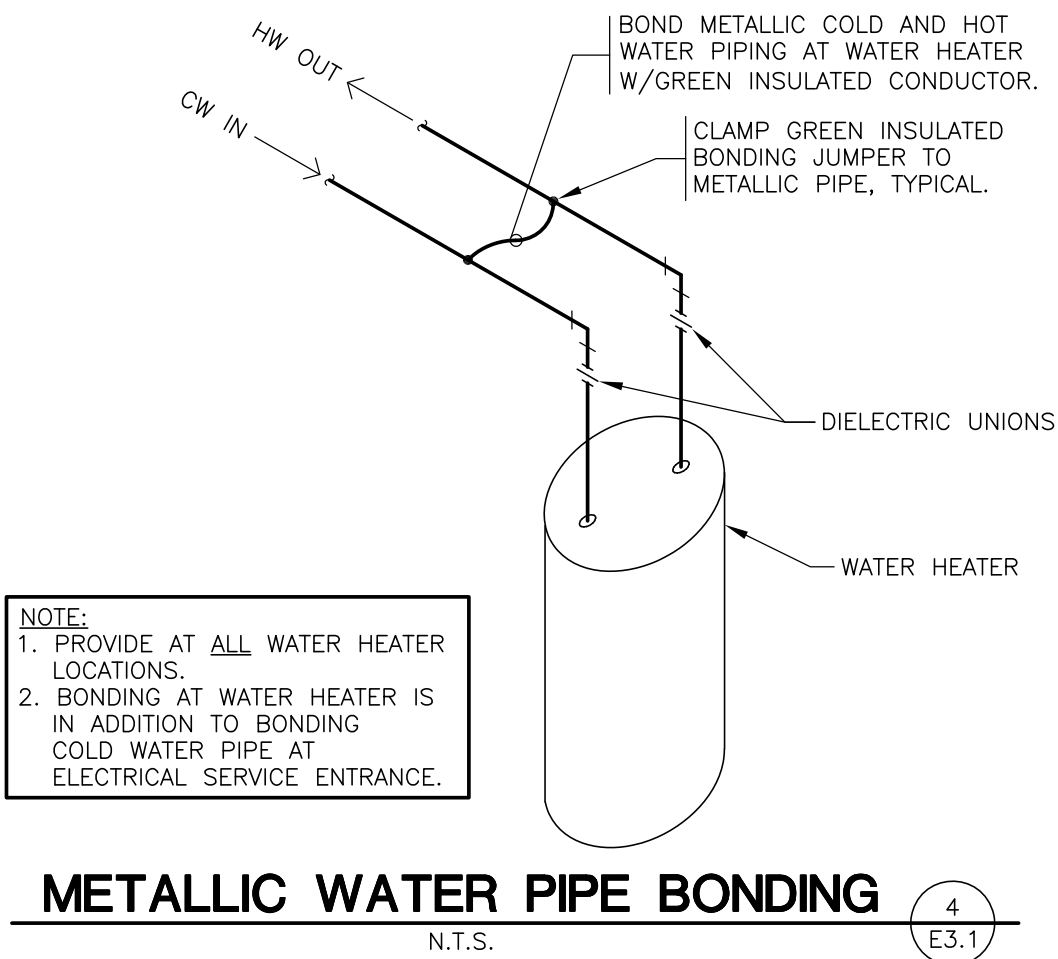
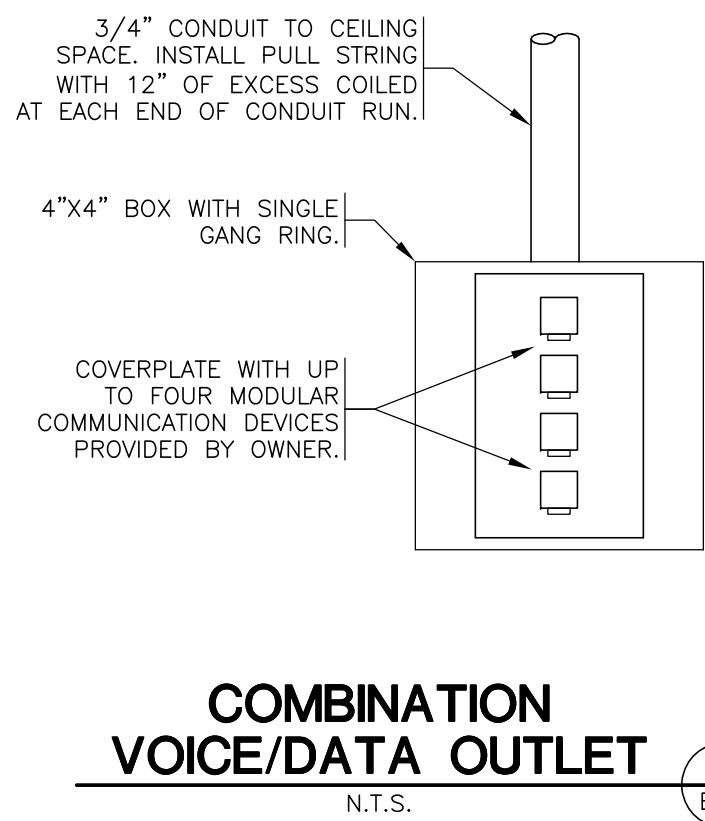
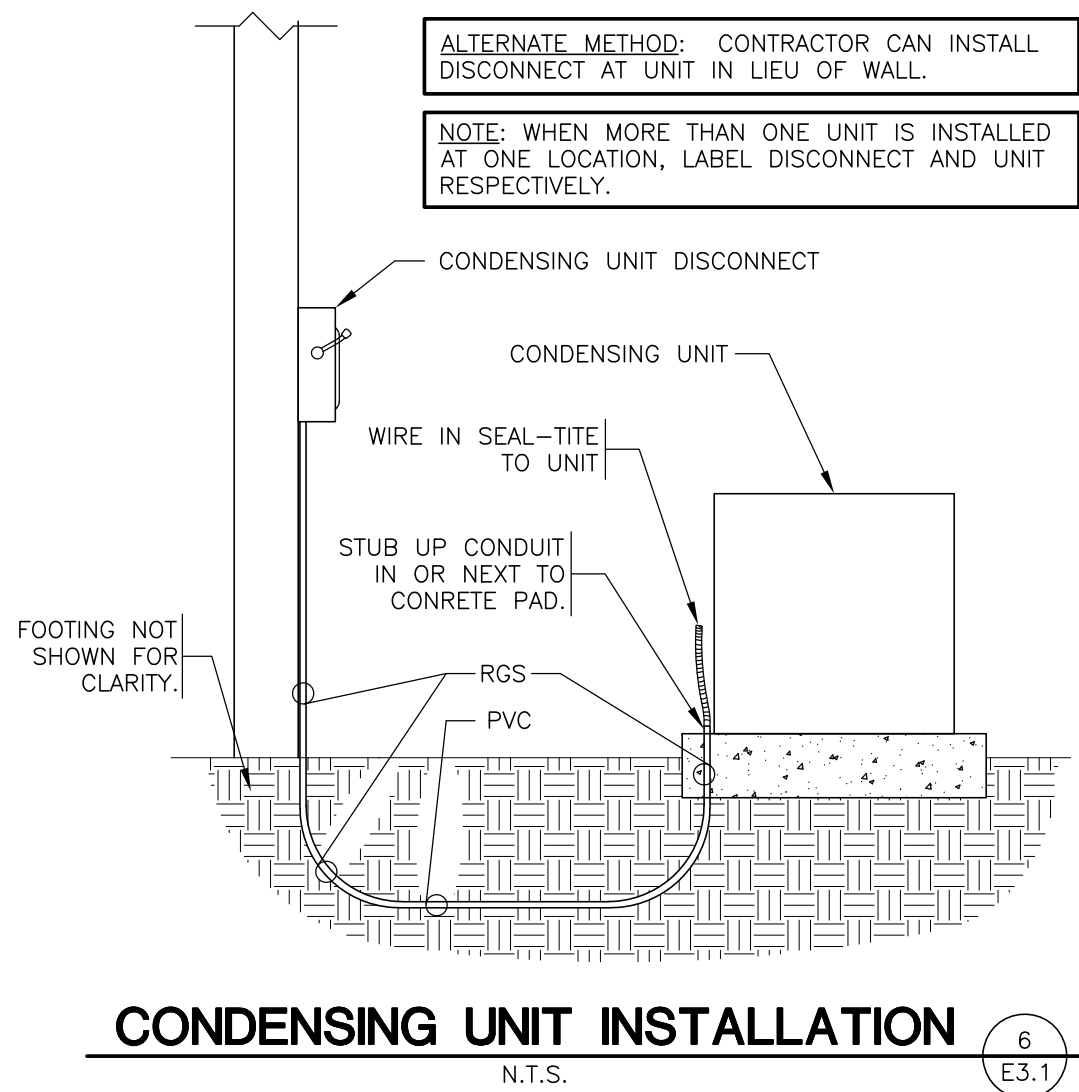
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DESIGN PARTNERS
ARCHITECTURE / INTERIOR DESIGN / MANAGEMENT

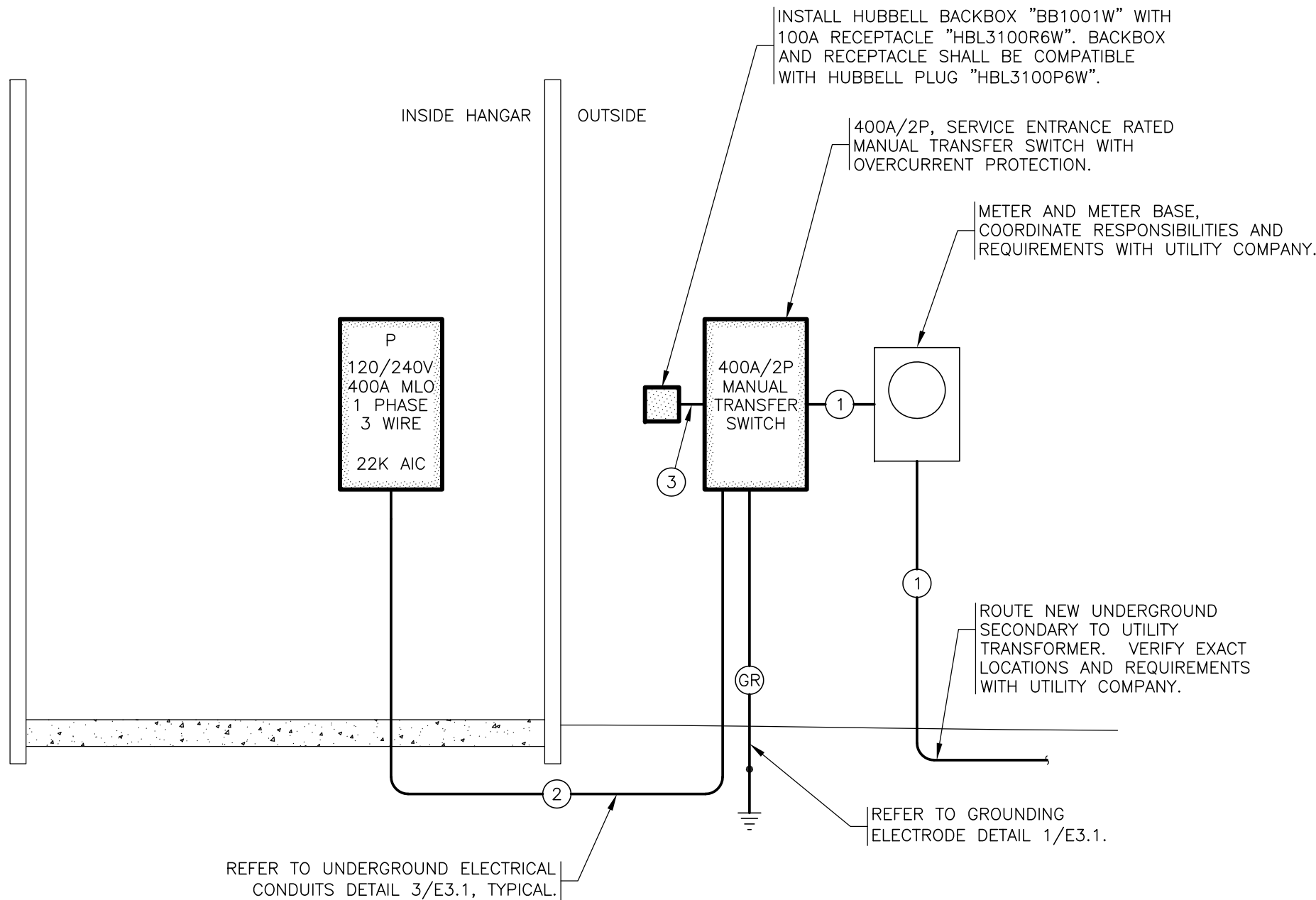
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ARCHITECTURAL CORPORATION MISSOURI LICENSE NUMBER A-2010011427

SGE
SMITH-GOTH ENGINEERS, INC.

3855 S. JEFFERSON AVE. P: 417-882-2200
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ELECTRICAL SERVICE/DISTRIBUTION DIAGRAM

N.T.S.

LIGHT FIXTURE SCHEDULE																		
MARK	MANUFACTURER	CATALOG NUMBER	SUPPLY VOLTAGE	FINISH			BALLAST		MOUNTING			LAMP'S				APPROVED MANUFACTURERS	NOTES	
							INSTANT START	PROGRAM START	LAY-IN	RECESSED	SURFACE WALL	SURF. CEILING	OTHER	TYPE				QUANTITY
														FLUORESCENT	INCANDESCENT			
LAMP DESCRIPTION																		
NOTE: ALL INDOOR LIGHT FIXTURES SHALL BE EQUIPPED WITH A DISCONNECTING MEANS TO COMPLY WITH NEC 410.130(G).																		
A	HUBBELL	CBT24-LSCS	UNV	WHITE						X			X		48W LED 3500K	LITHONIA, LSI, COLUMBIA, HOLOPHANE	2'X4' TROFFER	
B	NDR LIGHTING	WLLED-24-4K	UNV	WHITE					X	X				X	20W LED 4000K	LITHONIA, LSI, COLUMBIA, HOLOPHANE	2' WRAP	
D	NICOR	HBC-4150-U-50-8-BK	UNV	BLACK							X			X	150W LED 5000K	LITHONIA, LSI, COLUMBIA, HOLOPHANE	MOUNT TIGHT TO STRUCTURE. DO NOT PENETRATE ROOF DECK. 5' SAFETY CABLE.	
G	COMPASS	CORS	UNV	BRONZE					X	X			X		2 BY MANUFACTURER	LITHONIA, LSI, COLUMBIA, HOLOPHANE	(2) 10W MR-16 HEADS. REMOTE EMERGENCY LIGHT.	
H	LITHONIA	TWX2-LED-ALO-50K-MVOLT-DDBTXD	120	DARK BRONZE					X				X		68W LED 5000K	LITHONIA, LSI, COLUMBIA, HOLOPHANE	VERIFY EXACT MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS.	
SH	JUNO	IC23 (WET LOCATIONS ONLY) TRIM: ELITE RL631-CCT	UNV	WHITE				X					X		20W LED 3500K	LITHONIA, LSI, COLUMBIA, HOLOPHANE	RECESSED SHOWER LED FIXTURE.	
EMERGENCY AND EXIT LIGHT FIXTURES																		
X	COMPASS	CER	120	WHITE					X	X			X		1.78W LED	LITHONIA, LSI, COLUMBIA, HOLOPHANE	90 MINUTE BATTERY BACKUP	
E	COMPASS	CU2	UNV	WHITE					X	X			X		2 BY MANUFACTURER	LITHONIA, LSI, COLUMBIA, HOLOPHANE	(2) 10W MR-16 HEADS.	
F	COMPASS	CU2RC	UNV	WHITE					X	X			X		2 BY MANUFACTURER	LITHONIA, LSI, COLUMBIA, HOLOPHANE	(2) 10W MR-16 HEADS. 45W REMOTE CAPACITY.	

ELECTRICAL CONTRACTOR NOTES

- ELECTRICAL CONTRACTOR SHALL VERIFY ALL ELECTRICAL SERVICE LOCATIONS, SIZES, ROUTES, NECESSARY EQUIPMENT AND RESPONSIBILITIES WITH UTILITY COMPANY PRIOR TO ROUGHING IN.
- ALL EXISTING SERVICE ENTRANCE EQUIPMENT SHALL BE REMOVED AND REPLACED WITH EQUIPMENT AS SPECIFIED IN THESE DRAWINGS.

ELECTRICAL EQUIPMENT NOTES

- BOND ALL INTERIOR BUILDING SYSTEM PIPING PER NEC.
- ALL BRANCH CIRCUITS SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE CIRCUIT CONDUCTORS. THIS MEANS ALL CONDUITS MUST HAVE A GREEN WIRE INSTALLED IN THEM AND SIZED IN ACCORDANCE WITH TABLE 250.122 OF THE NEC.
- VERIFY ALL ELECTRIC SERVICE REQUIREMENTS AND COORDINATE CONNECTION WITH OWNER PRIOR TO ORDERING OF EQUIPMENT.
- ALL ABOVE GRADE CONDUIT SHALL BE EMT/RGS. BELOW GRADE CONDUIT BETWEEN ELLS SHALL BE SCHEDULE 40 PVC. EMPTY CONDUIT SHOULD INCLUDE A PULL WIRE. BELOW GRADE PRIMARY ELLS ARE 36" RAD R.G.S.. BELOW GRADE SECONDARY ELLS ARE 24" RAD RGS. PVC ELBOWS ARE NOT ALLOWED!
- SEE SITE UTILITIES PLAN FOR TRANSFORMER LOCATIONS.
- BOND ALL NONCURRENT CARRYING METAL PARTS OF SERVICE EQUIPMENT (INCLUDING METER ENCLOSURE) TO GROUNDING ELECTRODE AS REQUIRED, PER NEC ARTICLE 250.
- ALL ELECTRIC SERVICE EQUIPMENT, PANELBOARDS, CIRCUIT BREAKERS, AND FUSED SWITCHES SHALL HAVE A MINIMUM INTERRUPTING RATING AS SHOWN, IN ACCORDANCE WITH NEC ARTICLE 110.
- THE GROUNDING NEUTRAL CONDUCTOR SHALL BE RUN TO AND BONDED TO EACH SERVICE DISCONNECTING MEANS ENCLOSURE IN ACCORDANCE WITH NEC ARTICLE 250.
- BONDING OF OTHER ENCLOSURES SHALL BE IN ACCORDANCE WITH NEC ARTICLE 250.

TRANSFER SWITCH OPERATION

- THIS FACILITY IS EQUIPPED WITH A 400A MANUAL TRANSFER SWITCH. IF/WHEN UTILITY POWER IS LOST, THE FOLLOWING STEPS MUST BE COMPLETED:
 - TURN OFF ALL "NON-CRITICAL" CIRCUIT BREAKERS IN PANELS "A" AND "P". THE GENERATOR IS NOT CAPABLE OF POWERING THE TOTAL CONNECTED LOAD.
 - CONNECT PORTABLE GENERATOR POWER CABLE TO 100A PLUG.
 - MANUALLY CHANGE THE TRANSFER SWITCH FROM "UTILITY" TO "GENERATOR"
 - MANUALLY TURN THE GENERATOR ON (USING MANUAL CONTROLS ON GENERATOR).
- WHEN UTILITY POWER IS RESTORED, THE FOLLOWING STEPS MUST BE COMPLETED:
 - MANUALLY TURN THE GENERATOR OFF (USING MANUAL CONTROLS ON GENERATOR).
 - DISCONNECT PORTABLE GENERATOR POWER CABLE FROM 100A PLUG.
 - MANUALLY CHANGE THE TRANSFER SWITCH FROM "GENERATOR" TO "UTILITY".
 - TURN ALL CIRCUIT BREAKERS "ON".

NOTE: FOLLOW GENERATOR MANUFACTURER INSTRUCTIONS FOR OPERATION OF GENERATOR.

FEEDER SCHEDULE

- ELECTRIC SECONDARY - ONE(1) 4" CONDUIT WITH THREE(3) 600 MCM THWN
- ONE(1) 4" CONDUIT WITH THREE(3) 600 MCM THWN AND ONE(1) #3 GROUND
- ONE(1) 1" CONDUIT WITH THREE(3) #3s
- ONE(1) #1/0 COPPER GROUND

- NOTES:
- ALL CONDUCTORS SHALL BE COPPER.
 - PVC CONDUIT IS NOT ALLOWABLE FOR FEEDER CONDUIT ABOVE GRADE.

PANELBOARD SCHEDULE

MANS: 400A MAIN LUGS ONLY				VOLTAGE: 240		ACCESSORIES:		NOTES:				
TYPE: SQUARE-D, NQ				PHASE: 1Ø, 3W		1. EQUIPMENT GROUND BAR						
MOUNTING: SURFACE				WIDTH: 20		2.						
SCCR: 22K AIC				SPACE(S): 84		3.						
CKT	CKT	BRK	WIRE	LOAD DESCRIPTION	(VA)	A (VA)	B (VA)	LOAD DESCRIPTION	WIRE	CKT	BRK	CKT
1	20A/1P	#12s		LTG: INTERIOR, EF-1	900	1620	720	REC: OFFICE 3	#12s	20A/1P	2	
3	20A/1P	#12s		LTG: INTERIOR	650		1370	720	REC: OFFICE 2	#12s	20A/1P	4
5	20A/1P	#12s		LTG: HANGAR	1000	1720		720	REC: OFFICE 1	#12s	20A/1P	6
7	20A/1P	#12s		LTG: EXTERIOR	340		1060	720	REC: OFFICE 4	#12s	20A/1P	8
9	20A/1P	#12s		LTG: HELIPAD	1500	3000		1500	WASHER	#12s	20A/1P	10
11	20A/1P	#12s		REC: IT BOARD	180		2430	2250				
13	.	.		SPACE	0	2250		2250	DRYER	#10s	30A/2P	12
15	30A/1P	#10s		REC: EXTERIOR	2000		2360	360	REC: RESTROOMS	#12s	20A/1P	16
17					7500	8040		540	REC: WORK STATION	#12s	20A/1P	18
19	125A/2P	#2s		UH-1	7500		8040	540	REC: WORK STATION	#12s	20A/1P	20
21	20A/1P	#12s		SMOKE DETECTORS, CO	1100	1820		720	REC: COMMONS	#12s	20A/1P	22
23					4327		5047	720	REC: DINING, EXTERIOR	#12s	20A/1P	24
25	50A/2P	#8s		AHU-1	4327	4687		360	REC: KITCHEN	#12s	20A/1P	26
27					2250		3630	1380	REC: KITCHEN, DW	#12s	20A/1P	28
29	30A/2P	#10s		WATER HEATER	2250	3630		1380	REC: KITCHEN, DISPOSAL	#12s	20A/1P	30
31	.	.		SPACE	0		360	360	REC: KITCHEN	#12s	20A/1P	32
33	20A/1P	#12s		EF-2	700	1300		600	REC: REFRIGERATOR	#12s	20A/1P	34
35					4327		6247	1920	KITCHEN HOOD	#12s	20A/1P	36
37	50A/2P	#8s		AHU-2	4327	6577		2250				
39					2200		4450	2250	REC: RANGE	#8s	50A/2P	38
41	40A/2P	#8s		HP-1	2200							
43					2200	2740		540	REC: KITCHEN	#12s	20A/1P	42
45	.	.		SPACE	0		720	720	REC: T.V.	#12s	20A/1P	44
47	20A/1P	#12s		REC: EXTERIOR, INTERIOR	720	1440		720	REC: I.T. BOARD	#12s	20A/1P	46
49	20A/1P	#12s		REC: HANGAR	360		2760	2400				
51	20A/1P	#12s		REC: HANGAR	540	2940		2400	DOOR OPERATOR	#10s	30A/2P	48
53	20A/1P	#12s		REC: HANGAR	540		540	0	SPACE	.	.	52
55	20A/1P	#12s		REC: HANGAR	360	360		0	SPACE	.	.	54
57	20A/1P	#12s		REC: HANGAR	540		540	0	SPACE	.	.	56
59					2200	2200		0	SPACE	.	.	58
61	40A/2P	#8s		HP-2	2200		2200	0	SPACE	.	.	60
63					7500	7500		0	SPACE	.	.	62
65	125A/2P	#2s		UH-1	7500		7500	0	SPACE	.	.	64
67	.	.		SPACE	0	0		0	SPACE	.	.	66
69	.	.		SPACE	0		0	0	SPACE	.	.	68
71	.	.		SPACE	0	0		0	SPACE	.	.	70
73	.	.		SPACE	0		0	0	SPACE	.	.	72
75	.	.		SPACE	0	0		0	SPACE	.	.	74
77	.	.		SPACE	0		0	0	SPARE	.	20A/1P	76
79	.	.		SPACE	0	0		0	SPARE	.	20A/1P	78
81	.	.		SPACE	0		0	0	SPARE	.	20A/1P	80
83	.	.		SPACE	0		0	0	SPARE	.	20A/1P	82
TOTAL PHASE A (VA)				TOTAL PHASE B (VA)				TOTAL CONNECTED LOAD (VA)		TOTAL AMPS		
51824				49254				101078		421		



NEW AIR EVAC FACILITY
FOR THE CITY OF DURANT, OK

STREET ADDRESS
CITY, COUNTY, STATE ZIP

ENGINEER OF RECORD:
BRENT L. COURTER
ENGINEER LICENSE #: 26244

PROJECT NUMBER:
24006 AEDO

REVISION:

E3.2
ELECTRICAL
SCHEDULES
DATE: JUNE 26, 2024

5 Year Capital Improvement Plan (CIP)

Airport Name (Loc ID), ST: Durant Regional Airport - Eaker Field (DUA), Oklahoma

CIP START YEAR: 2025

2022 NPE (Expires FY25)
 \$32,000 2023 NPE (Expires FY26)
 \$150,000 2024 NPE (Expires FY27)
 \$150,000 Estimated NPE (for planning through 2029)

2022 AIG (Expires FY25)
 \$251,000 2023 AIG (Expires FY26)
 \$294,000 2024 AIG (Expires FY27)
 \$294,000 2025 AIG (for planning through 2026)

Fed FY	Available		Funding Source	Data Sheet - Project Component/Phase	Estimated Cost	Funding Plan					
	NPE	AIG				NPE	AIG	Additional AIP	Other	Match	
2025	\$332,000	\$839,000	BIL	(ODO 06) Drainage Study	\$105,000		\$94,500			\$10,500	
			BIL	(ODO 07) Airfield Drainage Improvements	\$600,000		\$540,000			\$60,000	
	Total = \$1,171,000										
	\$332,000	\$204,500	Remaining Funds		2025 Annual Subtotals:	\$705,000		\$634,500		\$70,500	
2026	\$482,000	\$498,500	AIP	(ODO 02) Design Terminal Apron Expansion - Phase 1	\$500,000	\$450,000				\$50,000	
	Total = \$980,500										
	\$32,000	\$498,500	Remaining Funds		2026 Annual Subtotals:	\$500,000	\$450,000			\$50,000	
2027	\$182,000	\$498,500	AIP	(ODO 02) Terminal Apron Construction - Phase 1	\$3,500,000	\$150,000		\$2,625,000	\$550,000	\$175,000	
	Total = \$680,500										
	\$32,000	\$498,500	Remaining Funds		2027 Annual Subtotals:	\$3,500,000	\$150,000		\$2,625,000	\$550,000	\$175,000
2028	\$182,000	\$498,500	BIL	(ODO 03) New 12,000 gal Jet-A Tank and Self Serve Pump	\$500,000		\$450,000			\$50,000	
	Total = \$680,500										
	\$182,000	\$48,500	Remaining Funds		2028 Annual Subtotals:	\$500,000		\$450,000		\$50,000	
2029	\$332,000	\$48,500	AIP/BIL	(ODO 08) Design - Airfield Pavement Rehabilitation	AIP portion: 64%	\$96,110	\$86,499			\$9,611	
			AIP/BIL	(ODO 08) Design - Airfield Pavement Rehabilitation	BIL portion: 36%	\$53,890		\$48,500			\$5,389
	Total = \$380,500										
	\$245,501		Remaining Funds		2029 Annual Subtotals:	\$150,000	\$86,499	\$48,500		\$15,000	
5 Year CIP Totals:					\$5,355,000	\$686,499	\$1,133,000		\$550,000	\$360,500	

SPONSOR SIGNATURE: _____

DATE: _____