

**EXECUTIVE
DIRECTOR
APPROVAL**

5-21-24 *ACA*
Date By



GENERAL NOTES:

1. CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. THE ENGINEER / SURVEYOR DOES NOT GUARANTEE THAT THE UNDERGROUND UTILITIES OR ALL UTILITY SERVITUDES AFFECTING THIS TRACT ARE SHOWN IN THEIR EXACT LOCATION. THEY HAVE BEEN LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION PROVIDED BY ONE CALL OR THE LOCAL UTILITY COMPANY. LOUISIANA ONE CALL 811 OR UTILITY COMPANY.
2. THE ENGINEER, AS REPRESENTATIVE OF THE OWNER, SHALL NOT GUARANTEE THE WORK OF ANY CONTRACTOR OR SUBCONTRACTOR. THE ENGINEER / SURVEYOR SHALL HAVE NO SUPERVISION OR CONTROL AS TO THE WORK OR PERSONS DOING THE WORK. THE ENGINEER / SURVEYOR SHALL NOT BE RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE JOB SITE OR HAVE ANY CONTROL OF THE SAFETY OR ADEQUACY OF ANY EQUIPMENT, BUILDING COMPONENT, SCAFFOLDING, SUPPORTS, FORMS, OR OTHER WORK AIDS, AND SHALL HAVE NO DUTIES OR RESPONSIBILITIES IMPOSED BY THE STRUCTURAL WORK ACT.
3. CONTRACTOR SHALL INSTALL SILT FENCES, HAY BALES AND NECESSARY STORM WATER CONTROL MEASURES DURING CONSTRUCTION AS REQUIRED BY THE CITY.
4. CONTRACTOR(S) SHALL KEEP EXISTING PAVING CLEAN OF MUD AND OTHER CONSTRUCTION DEBRIS.
5. ALL TRENCH EXCAVATION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH OSHA REGULATIONS AND APPLICABLE LOCAL CODES AND ORDINANCES.
6. CONTRACTOR SHALL FIELD VERIFY ALIGNMENT AND GRADE OF ALL PAVING, DRAINAGE PIPES AND PROPOSED MAINS. CONFLICTS, DISCREPANCIES OR IRREGULARITIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER. FAILURE TO DO SO MAY RESULT IN ADDITIONAL COSTS TO THE CONTRACTOR FOR REMOVAL, REPLACEMENT, OR REVISIONS TO ITEMS INSTALLED WITHOUT VERIFICATION BY OWNER.
7. CONTRACTOR SHALL REDISTRIBUTE TOPSOIL IN 4" LAYER AS PER OWNER.
8. CONTRACTOR SHALL COORDINATE AND PROVIDE FOR ALL SAFEGUARDS, SAFETY DEVICES AND REQUIRED JOB SITE SAFETY REGULATIONS AS NEEDED.
9. MATERIALS AND CONSTRUCTION SHALL BE IN STRICT COMPLIANCE WITH LOCAL SPECIFICATION STANDARDS AND/OR LOCAL BUILDING CODES.
10. CONTRACTOR SHALL COORDINATE WITH CITY AND LOCAL UTILITY COMPANIES FOR TYING INTO EXISTING MAINS. ALL UTILITY SERVICES SHALL BE INSTALLED PER CITY CODE AND GOVERNING UTILITY CODE.
11. ALL DISTURBED EARTH TO RECEIVE SLAB SOD UNLESS OTHERWISE DIRECTED BY OWNER/ENGINEER. POSITIVE DRAINAGE SHOULD BE MAINTAINED AT ALL TIMES.
12. MAXIMUM SLOPE IN ANY DIRECTION IN HANDICAP SPACES TO BE 2%.
13. ALL EXITS MUST HAVE A MINIMUM 5' x 5' LEVEL LANDING.
14. MAX. CROSS-SLOPE OF ALL SIDEWALKS = 2%

15. SIDEWALKS TO HAVE A MAXIMUM RISE ALONG PATH OF TRAVEL NOT TO EXCEED 1:20.
16. MAXIMUM SLOPE OF CURB RAMPS NOT TO EXCEED 1:12.

UTILITY NOTES:

- 1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES, AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

PARKING:

REQ'D. PARKING SPACES = 11
PROVIDED PARKING SPACES = 20

GEOMETRIC NOTES:

1. ALL PAVEMENT STRIPING SHALL BE 4-INCH-WIDE YELLOW UNLESS OTHERWISE NOTED OR SHOWN.
2. PAINT SHALL BE APPLIED TO PAVEMENT BY SPRAYING WITH A MECHANICAL SPRAYER DEVELOPED FOR SUCH PURPOSES TO ASSURE UNIFORM STRAIGHT LINES.
3. ALL DIMENSIONS FOR PAVEMENT SHOWN HEREIN, UNLESS OTHERWISE NOTED, ARE TAKEN AT THE BACK OF CURB.
4. ALL CURBING UNLESS OTHERWISE NOTED SHALL BE 6" BARRIER CURB.

LEGEND

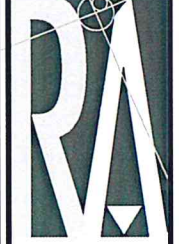
⊠ WATER METER	⊕ LIGHT POLE
⊞ WATER VALVE	⊞ SIGN (TYPE NOTED)
⊙ SAN. CLEAN OUT	□ CURB INLET
⊚ SAN. MANHOLE	• GUARD POST
⚡ GATE	
▨ EXISTING ASPHALT	▨ TO BE REMOVED AND DISPOSED
--- EXIST. DRAINAGE PIPE	
--- EXIST. HIGH BANK	
--- EXIST. CL DITCH/SWALE	
--- EXIST. SERVITUDE	
--- PROPERTY LINE	

Point Table

POINT #	NORTHING	EASTING
11	681553.8786	2898437.2688
12	681360.6050	2898166.4738
13	681365.6824	2897926.9668
14	681382.1058	2897863.8954
15	681472.1212	2897865.9776
16	681465.5769	2898148.9019
17	681389.1229	2897886.5638
18	681449.1069	2897887.9512
19	681444.2507	2898097.8951
20	681384.3180	2898096.5096

REVISIONS	BY

DIMENSIONED SITE PLAN
Caddo Electrical Contracting, L.L.C.
Caddo Parish, Louisiana



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Civil & Structural
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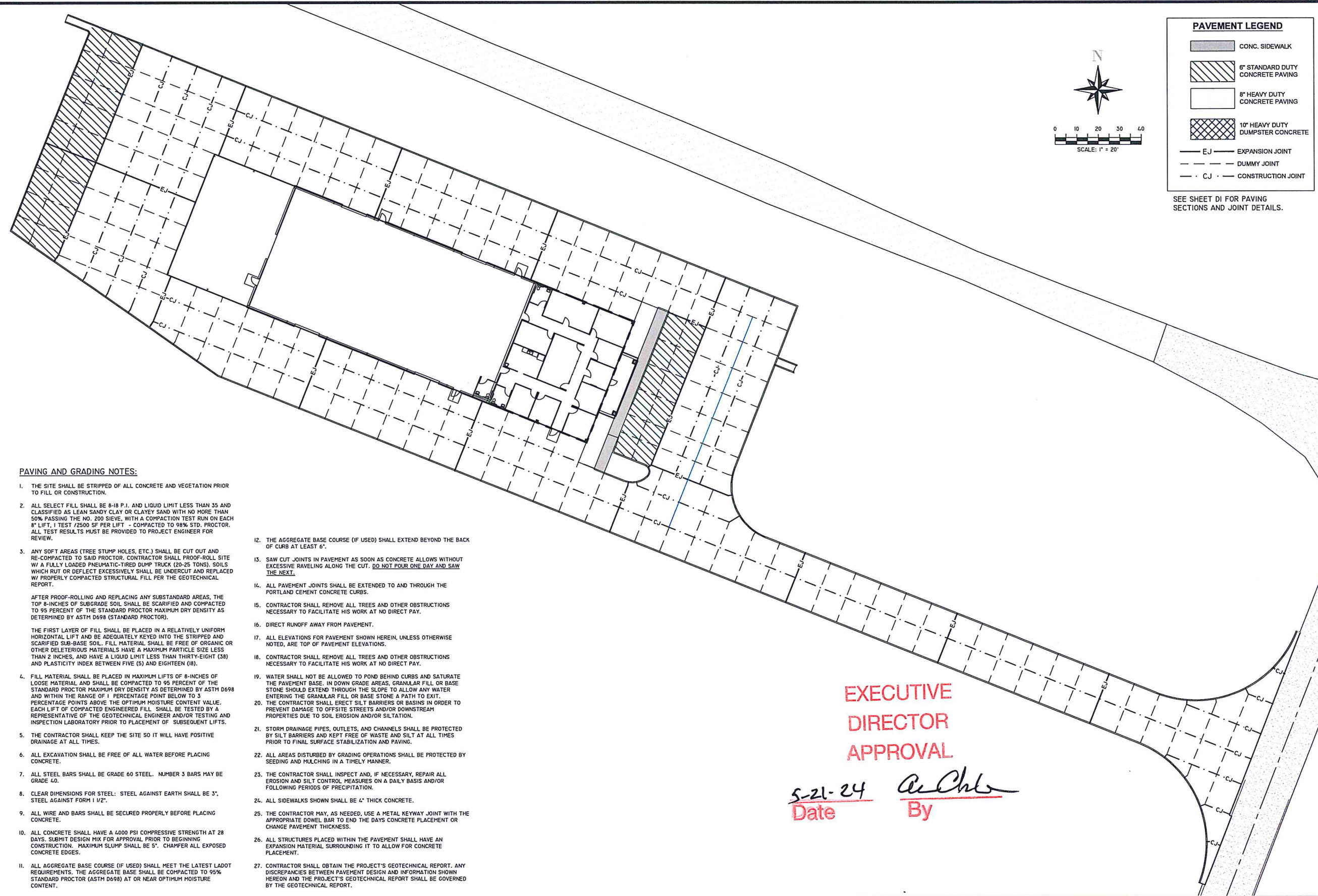
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05/09/2024



DATE: 02/15/2024
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JOB: 22443
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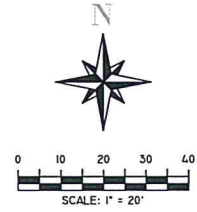
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OF 9 SHEETS

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PAVEMENT LEGEND

	CONC. SIDEWALK
	6" STANDARD DUTY CONCRETE PAVING
	8" HEAVY DUTY CONCRETE PAVING
	10" HEAVY DUTY DUMPSTER CONCRETE
	EJ EXPANSION JOINT
	DUMMY JOINT
	CJ CONSTRUCTION JOINT



SEE SHEET D1 FOR PAVING SECTIONS AND JOINT DETAILS.

PAVING AND GRADING NOTES:

- THE SITE SHALL BE STRIPPED OF ALL CONCRETE AND VEGETATION PRIOR TO FILL OR CONSTRUCTION.
- ALL SELECT FILL SHALL BE 8-18 P.I. AND LIQUID LIMIT LESS THAN 35 AND CLASSIFIED AS LEAN SANDY CLAY OR CLAYEY SAND WITH NO MORE THAN 50% PASSING THE NO. 200 SIEVE, WITH A COMPACTION TEST RUN ON EACH 8" LIFT, 1 TEST /2500 SF PER LIFT - COMPACTION TO 98% STD. PROCTOR. ALL TEST RESULTS MUST BE PROVIDED TO PROJECT ENGINEER FOR REVIEW.
- ANY SOFT AREAS (TREE STUMP HOLES, ETC.) SHALL BE CUT OUT AND RE-COMPACTED TO SAID PROCTOR. CONTRACTOR SHALL PROOF-ROLL SITE W/ A FULLY LOADED PNEUMATIC-TIRED DUMP TRUCK (20-25 TONS). SOILS WHICH RUT OR DEFLECT EXCESSIVELY SHALL BE UNDERCUT AND REPLACED W/ PROPERLY COMPACTED STRUCTURAL FILL PER THE GEOTECHNICAL REPORT.

AFTER PROOF-ROLLING AND REPLACING ANY SUBSTANDARD AREAS, THE TOP 8-INCHES OF SUBGRADE SOIL SHALL BE SCARIFIED AND COMPACTED TO 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 (STANDARD PROCTOR).

THE FIRST LAYER OF FILL SHALL BE PLACED IN A RELATIVELY UNIFORM HORIZONTAL LIFT AND BE ADEQUATELY KEVED INTO THE STRIPPED AND SCARIFIED SUB-BASE SOIL. FILL MATERIAL SHALL BE FREE OF ORGANIC OR OTHER DELETERIOUS MATERIALS HAVE A MAXIMUM PARTICLE SIZE LESS THAN 2 INCHES, AND HAVE A LIQUID LIMIT LESS THAN THIRTY-EIGHT (38) AND PLASTICITY INDEX BETWEEN FIVE (5) AND EIGHTEEN (18).
- FILL MATERIAL SHALL BE PLACED IN MAXIMUM LIFTS OF 8-INCHES OF LOOSE MATERIAL AND SHALL BE COMPACTED TO 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 AND WITHIN THE RANGE OF 1 PERCENTAGE POINT BELOW TO 3 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT VALUE. EACH LIFT OF COMPACTED ENGINEERED FILL SHALL BE TESTED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER AND/OR TESTING AND INSPECTION LABORATORY PRIOR TO PLACEMENT OF SUBSEQUENT LIFTS.
- THE CONTRACTOR SHALL KEEP THE SITE SO IT WILL HAVE POSITIVE DRAINAGE AT ALL TIMES.
- ALL EXCAVATION SHALL BE FREE OF ALL WATER BEFORE PLACING CONCRETE.
- ALL STEEL BARS SHALL BE GRADE 60 STEEL. NUMBER 3 BARS MAY BE GRADE 40.
- CLEAR DIMENSIONS FOR STEEL: STEEL AGAINST EARTH SHALL BE 3", STEEL AGAINST FORM 1/2".
- ALL WIRE AND BARS SHALL BE SECURED PROPERLY BEFORE PLACING CONCRETE.
- ALL CONCRETE SHALL HAVE A 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS. SUBMIT DESIGN MIX FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION. MAXIMUM SLUMP SHALL BE 5". CHAMFER ALL EXPOSED CONCRETE EDGES.
- ALL AGGREGATE BASE COURSE (IF USED) SHALL MEET THE LATEST LADOT REQUIREMENTS. THE AGGREGATE BASE SHALL BE COMPACTED TO 95% STANDARD PROCTOR (ASTM D698) AT OR NEAR OPTIMUM MOISTURE CONTENT.
- THE AGGREGATE BASE COURSE (IF USED) SHALL EXTEND BEYOND THE BACK OF CURB AT LEAST 6".
- SAW CUT JOINTS IN PAVEMENT AS SOON AS CONCRETE ALLOWS WITHOUT EXCESSIVE RAVELING ALONG THE CUT. DO NOT POUR ONE DAY AND SAW THE NEXT.
- ALL PAVEMENT JOINTS SHALL BE EXTENDED TO AND THROUGH THE PORTLAND CEMENT CONCRETE CURBS.
- CONTRACTOR SHALL REMOVE ALL TREES AND OTHER OBSTRUCTIONS NECESSARY TO FACILITATE HIS WORK AT NO DIRECT PAY.
- DIRECT RUNOFF AWAY FROM PAVEMENT.
- ALL ELEVATIONS FOR PAVEMENT SHOWN HEREIN, UNLESS OTHERWISE NOTED, ARE TOP OF PAVEMENT ELEVATIONS.
- CONTRACTOR SHALL REMOVE ALL TREES AND OTHER OBSTRUCTIONS NECESSARY TO FACILITATE HIS WORK AT NO DIRECT PAY.
- WATER SHALL NOT BE ALLOWED TO POND BEHIND CURBS AND SATURATE THE PAVEMENT BASE. IN DOWN GRADE AREAS, GRANULAR FILL OR BASE STONE SHOULD EXTEND THROUGH THE SLOPE TO ALLOW ANY WATER ENTERING THE GRANULAR FILL OR BASE STONE A PATH TO EXIT.
- THE CONTRACTOR SHALL ERECT SILT BARRIERS OR BASINS IN ORDER TO PREVENT DAMAGE TO OFFSITE STREETS AND/OR DOWNSTREAM PROPERTIES DUE TO SOIL EROSION AND/OR SILTATION.
- STORM DRAINAGE PIPES, OUTLETS, AND CHANNELS SHALL BE PROTECTED BY SILT BARRIERS AND KEPT FREE OF WASTE AND SILT AT ALL TIMES PRIOR TO FINAL SURFACE STABILIZATION AND PAVING.
- ALL AREAS DISTURBED BY GRADING OPERATIONS SHALL BE PROTECTED BY SEEDING AND MULCHING IN A TIMELY MANNER.
- THE CONTRACTOR SHALL INSPECT AND, IF NECESSARY, REPAIR ALL EROSION AND SILT CONTROL MEASURES ON A DAILY BASIS AND/OR FOLLOWING PERIODS OF PRECIPITATION.
- ALL SIDEWALKS SHOWN SHALL BE 4" THICK CONCRETE.
- THE CONTRACTOR MAY, AS NEEDED, USE A METAL KEYWAY JOINT WITH THE APPROPRIATE DOWEL BAR TO END THE DAYS CONCRETE PLACEMENT OR CHANGE PAVEMENT THICKNESS.
- ALL STRUCTURES PLACED WITHIN THE PAVEMENT SHALL HAVE AN EXPANSION MATERIAL SURROUNDING IT TO ALLOW FOR CONCRETE PLACEMENT.
- CONTRACTOR SHALL OBTAIN THE PROJECT'S GEOTECHNICAL REPORT. ANY DISCREPANCIES BETWEEN PAVEMENT DESIGN AND INFORMATION SHOWN HEREON AND THE PROJECT'S GEOTECHNICAL REPORT SHALL BE GOVERNED BY THE GEOTECHNICAL REPORT.

**EXECUTIVE
DIRECTOR
APPROVAL**

5-21-24 *As Chls*
Date By

REVISIONS	BY

PAVING & PROPOSED JOINT PLAN
Caddo Electrical Contracting, L.L.C.
Caddo Parish, Louisiana



RALEY AND ASSOCIATES, INC.

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DATE:	02/15/2024
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OF	9 SHEETS

22443 CIVIL DESIGN.DWG

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LANDSCAPING PLAN
Caddo Electrical Contracting, L.L.C.
 Caddo Parish, Louisiana



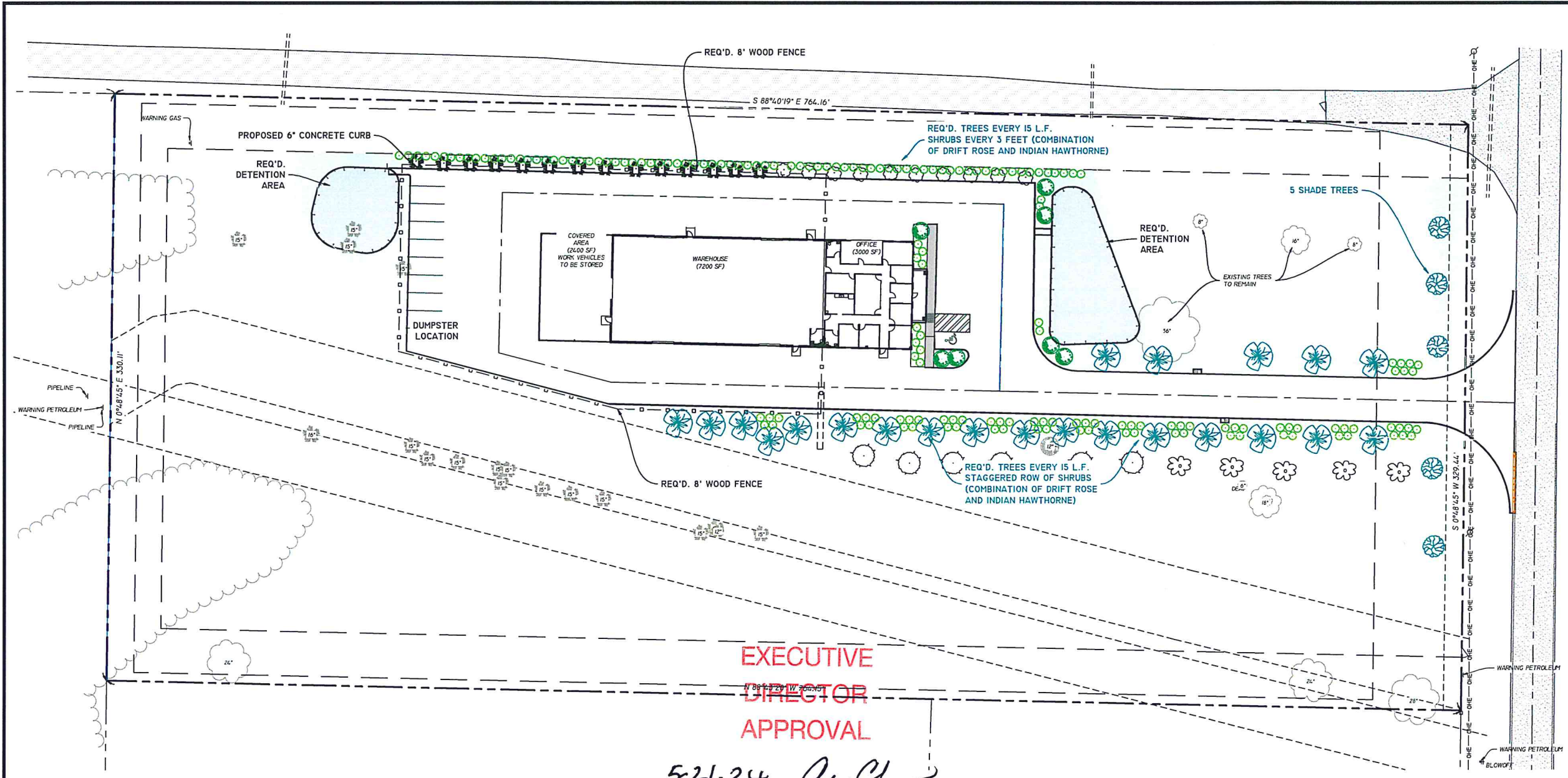
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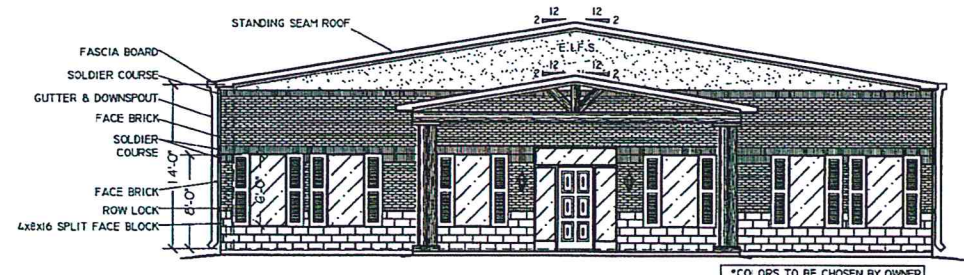
5-21-24 *ACL*
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PLANT LEGEND		
Plant	Quantity	Scheduled Size
CRAPE MYRTLE	7	5" CAL.
LOBLOLLY PINE	5	
DRUMMOND RED MAPPLE	22	
SWEET GUM	5	
RED MAPLE	6	
EASTERN REDBUD	14	
SOD	10	
BRADFORD PEAR	10	

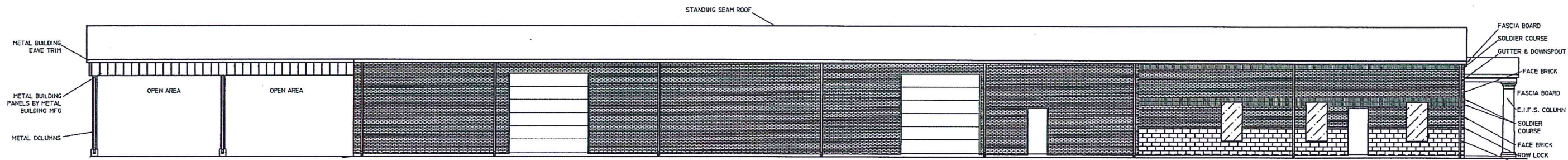


IRRIGATION NOTES:

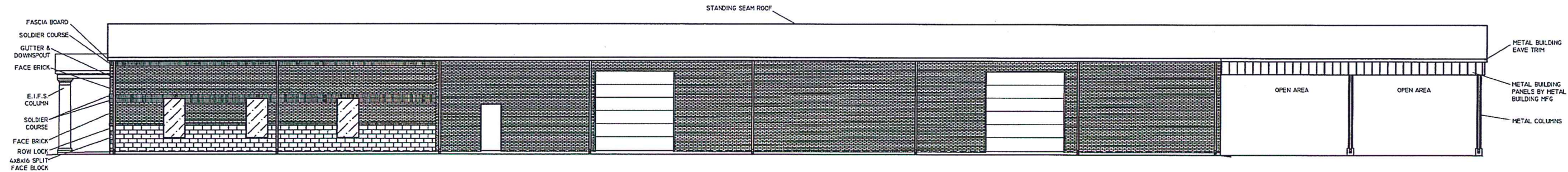
- IRRIGATION CONTRACTOR TO LOCATE AND PROTECT ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
- ALL VALVES TO BE LOCATED IN VALVE BOX, WITH COVER AT GRADE. LOCATE BOX IN GRASS AREA WHEN POSSIBLE.
- IRRIGATION CONTROLS IN LANDSCAPED AREAS ARE TO BE ENCLOSED IN A 2X2 CONCRETE PAD.
- AUTOMATIC CONTROLLER TO BE MOUNTED IN UTILITY ROOM OR AS DETERMINED BY THE PROJECT MANAGER; SEE ARCHITECTURAL PLANS.
- WEATHER SENSOR (IF REQUIRED) TO BE LOCATED ALONG PARAPET OR AS DETERMINED BY THE PROJECT MANAGER; SEE ARCHITECTURAL PLANS. ENSURE SENSOR IS FREE FROM ANY OBSTRUCTIONS.
- 60 PSI REQUIRED PER ROTOR STATION - 40 PSI REQUIRED PER SPRAY STATION - 40 PSI REQUIRED PER DRIP STATION. ALL SPRAY AND ROTOR BODIES TO HAVE PRS (IN-STEM PRESSURE REGULATION SYSTEM) AS INDICATED IN THE LEGEND. FLOW ADJUSTMENTS CAN BE MADE AT THE ZONE'S VALVE TO COMPENSATE FOR THIS DIFFERENCE IN PSI.
- PRESSURE REGULATOR REQUIRED IF STATIC WATER PRESSURE AT POINT OF CONNECTION FOR SITE IS GREATER THAN 80 PSI.
- 4" - 6" SCH 40 PVC SLEEVES ARE TO BE LOCATED AS SHOWN ON SHEET L.2.1. EXTEND SLEEVE 18" BEYOND BACK OF CURB OR PAVEMENT. SLEEVES TO BE LOCATED AND EXPOSED BY THE GENERAL CONTRACTOR PRIOR TO START OF THE IRRIGATION INSTALLATION.
- ALL SHRUB BEDS ARE TO BE IRRIGATED USING DRIPLINE UNLESS OTHERWISE NOTED. 4" POP-UP HEIGHT FOR TURF ZONE ROTORS AND SPRAYS. ROTOR NOZZLE SIZE AS INDICATED ON THE IRRIGATION PLAN.
- ALL PIPES, AUTOMATIC VALVES, BACKFLOW PREVENTER, MANUAL VALVE AND METER TO BE LOCATED WITHIN PROPERTY LINES UNLESS OTHERWISE SHOWN. PIPES, VALVES, ETC. SHOWN IN COUNTY, CITY, STATE R.O.W. MAY REQUIRE MAINTENANCE AGREEMENT OR INDEMNITY AGREEMENT.
- IRRIGATION METER AND BACKFLOW PREVENTER TO BE PROVIDED BY THE GENERAL CONTRACTOR.
- BACKFLOW PREVENTER TO BE AS PER LOCAL CODE.
- MAINLINE & ALL LATERAL LINES ARE TO BE LOCATED A MINIMUM OF 3' OFF BACK OF CURB/SIDEWALK. ANY SPRAYS OR ROTORS LOCATED IN THIS AREA ARE TO BE CONNECTED USING A FLEXIBLE SWING PIPE (RAINBIRD SPX-FLEX-100).
- ALL MAINLINES TO HAVE A MINIMUM OF 18" COVER (SCH. 40).
- ALL LATERALS AND SUB-MAIN PIPE TO HAVE A MINIMUM OF 12" (SCH. 40).
- NO ROCKS, BOULDERS, OR OTHER EXTRANEIOUS MATERIALS TO BE USED IN BACKFILLING TRENCHES.
- ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE OR LIQUID TEFLON.
- ALL LINES TO BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF SPRINKLER HEADS.
- MUST USE PRODUCTS SPECIFIED ON THIS DRAWING, UNLESS OTHERWISE APPROVED.
- IRRIGATION CONTRACTOR SHALL PROVIDE AN AS-BUILT DRAWING TO THE ARCHITECT.
- IRRIGATION CONTRACTOR TO FIELD VERIFY THAT INSTALLED IRRIGATION SYSTEM PROVIDES 100% COVERAGE UPON COMPLETION OF INSTALLATION. IF SYSTEM DOES NOT PROVIDE 100% COVERAGE THE IRRIGATION CONTRACTOR SHALL REVISE SYSTEM TO PROVIDE 100% COVERAGE PRIOR TO CERTIFICATE OF OCCUPANCY.
- ALL PIPE, VALVES, DRIP, SPRAY HEADS, ROTORS, CONTROLLERS, AND WEATHER SENSORS ARE TO BE INSTALLED AS PER RAINBIRD SPECIFICATIONS. FOR ANY QUESTIONS ON RAINBIRD PRODUCTS OR INSTALLATION CALL BEN KNICKEL AT 678.644.3249
- WATER SOURCE TO BUILDING SHALL BE A 1.5" PVC WITH 1" OR 1.5" METER. MAINLINE TO BE 1.5".
- IF POP UP HEAD IS LOCATED IN SHRUB AREA, CONTRACTOR SHALL ENSURE PROPER HEIGHT OF POP UP TO PROVIDE ADEQUATE WATER COVERAGE.



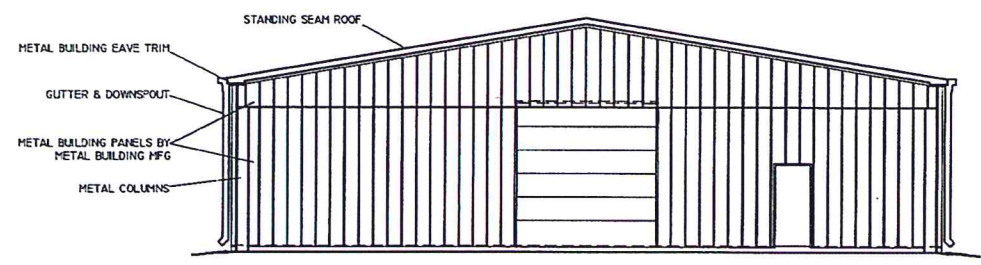
FRONT ELEVATION
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LEFT ELEVATION
SCALE: 1/8" = 1'-0"



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



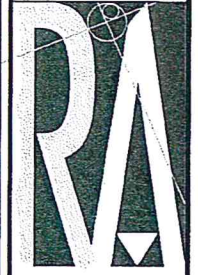
REAR ELEVATION
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ELEVATIONS
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