

2504 NW 71st Place
Gainesville FL 32653
Tel: (352) 371-1417

2926 Edison Avenue
Jacksonville, FL 32254
Tel: (904) 288-6060



Tucker-Davis Tech Addition
Tucker-Davis Technologies

Alachua FL 32915

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NO.	DATE	REVISION

ARCHITECT'S SEAL:

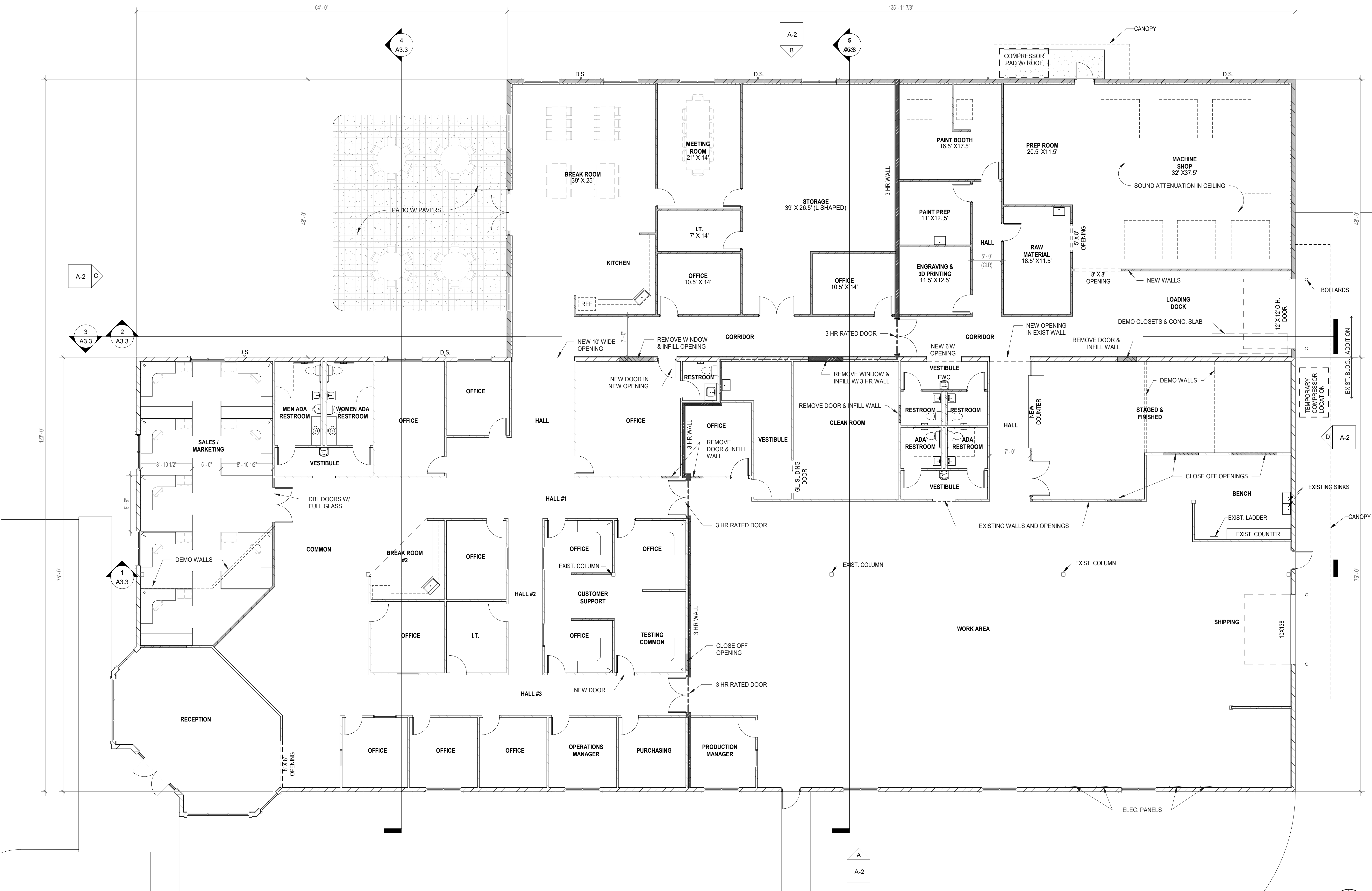
ROBERT S. TAYLOR, SR., ARCHITECT
FLORIDA REGISTRATION AR-0007526

DESCRIPTION:
FLOOR PLAN

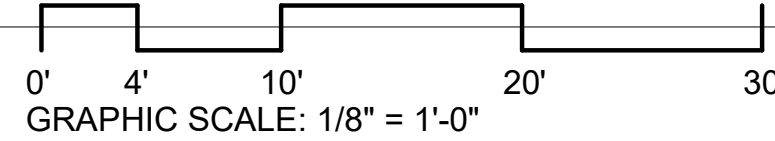
JOB NO. 22-636A
DRAWN BY: btf/jmr
DATE: 03/21/2022

A-1

DESIGN PHASE: SCHEMATIC DESIGN



A FLOOR PLAN
A-1 1/8" = 1'-0"



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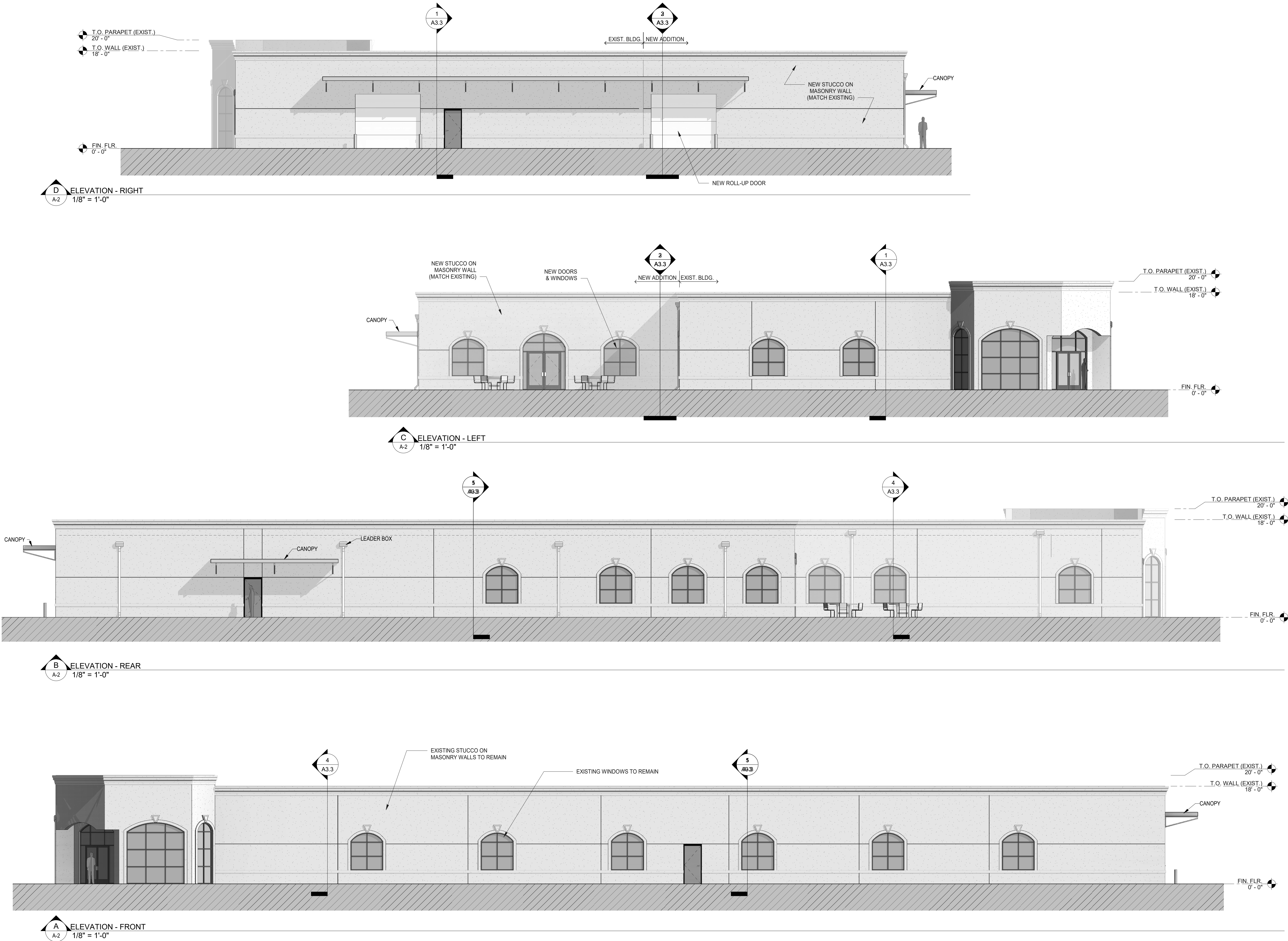
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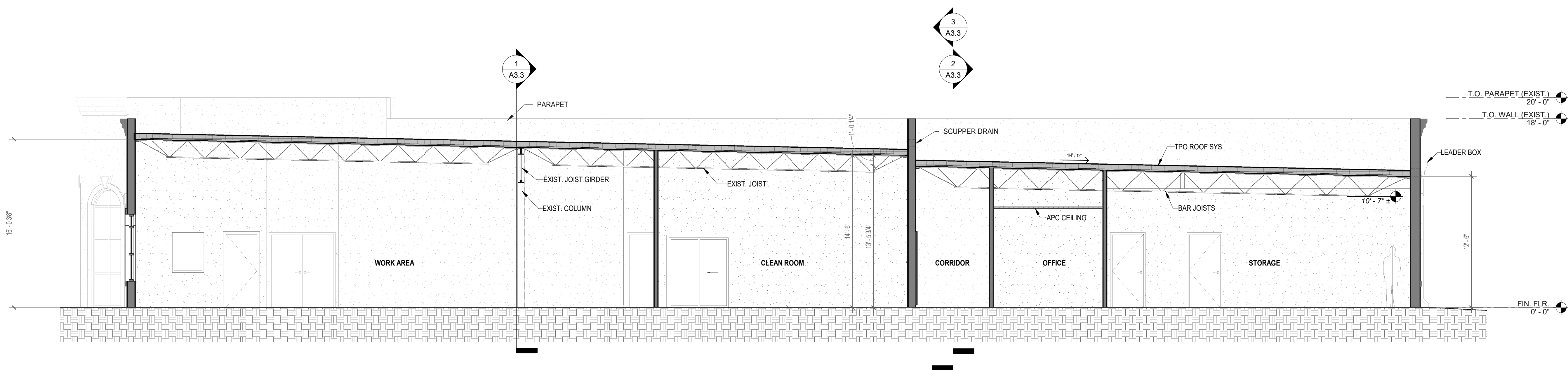
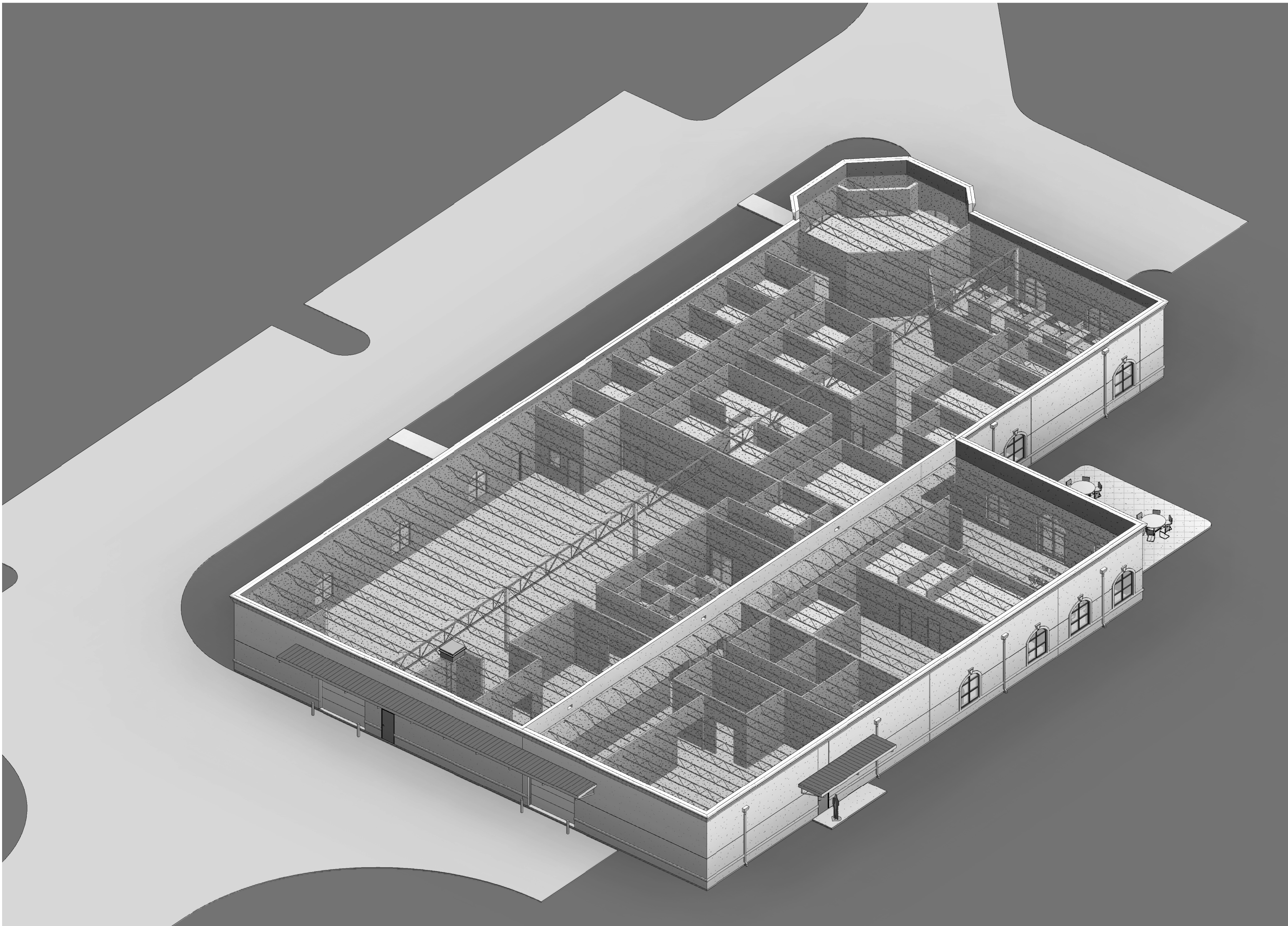
DESCRIPTION:
ELEVATIONS

JOB NO. 22-636A
DRAWN BY: bfj/mr
DATE: 03/21/2022

A-2

DESIGN PHASE: SCHEMATIC DESIGN





1
A-3
BUILDING SECTION
3/16" = 1'-0"

2504 NW 71st Place
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ARCHITECT'S SEAL:

ROBERT S. TAYLOR, SR., ARCHITECT
FLORIDA REGISTRATION AR-0007526

DESCRIPTION:
**BUILDING
SECTIONS**

JOB NO. 22-636A
DRAWN BY: bfj/mr
DATE: 03/21/2022

A-3

DESIGN PHASE: SCHEMATIC DESIGN



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NO.	DATE	REVISION
1	06/13/2022	Addendum #1

DESIGN PHASE: SITE PERMIT

DESCRIPTION:
RISERS

JOB NO. 22-636A
DRAWN BY: AMM
DATE: 04/26/2022

E0.3

FIRE ALARM SYSTEM MATRIX

FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS	FIRE ALARM SYSTEM RESPONSE											
	CONTROL UNIT ANNUNCIATION				NOTIFICATION				FIRE SAFETY CONTROL			
	ACTIVATE COMMON ALARM SIGNAL INDICATOR	ACTIVATE AUDIBLE ALARM SIGNAL	ACTIVATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTIVATE AUDIBLE SUPERVISORY SIGNAL	ACTIVATE COMMON TROUBLE SIGNAL INDICATOR	ACTIVATE AUDIBLE COMMON TROUBLE SIGNAL	DISB. ALARM INDICATOR (PER ZONE)	SEND FIRE ALARM SIGNAL (PER ZONE)	SEND SUPERVISORY SIGNAL TO CENTRAL STATION	ACTIVATE TROUBLE SIGNAL TO CENTRAL STATION	UNLOCK ANY SHUT DOWN	RELEASE (C-585) (SMOKE MAG. HELED EGRESS DOORS
MANUAL FIRE ALARM PULL STATION (PER ZONE)	●	●			●	●	●	●		●	●	
SMOKE DETECTOR (PER ZONE)	●	●			●	●	●	●		●	●	
HEAT DETECTOR (PER ZONE)												
DUCT DETECTOR (PER ZONE)		●	●					●		●		●
SPRINKLER WATERFLOW	●	●			●	●	●	●		●	●	●
SPRINKLER TAMPER			●	●			●		●			
FIRE ALARM AC POWER FAILURE				●	●				●	●		
FIRE ALARM SYSTEM LOW BATTERY				●	●				●	●		
OPEN CIRCUIT				●	●				●	●		
GROUND FAULT				●	●				●	●		
NOTIFICATION APPLIANCE CIRCUIT SHORT				●	●				●	●		
MANUAL AHU SHUTDOWN AND SMOKE DAMPER SWITCH			●	●			●	●		●	●	●
FIRE RADIO ENHANCEMENT SYSTEM												
LOSS OF NORMAL AC POWER			●	●			●	●				
FAILURE OF A BATTERY CHARGER			●	●			●	●				
DONOR ANTENNA MALFUNCTION			●	●			●	●				
FAILURE OF ACTIVE RF EMITTING DEVICE(S)			●	●			●	●				
LOW BATTERY CAPACITY			●	●			●	●				
FAILURE OF CRITICAL SYSTEM COMPONENTS			●	●			●	●				
LOSS OF COMMUNICATIONS BETWEEN FIRE ALARM SYSTEM AND RADIO ENHANCEMENT SYSTEM			●	●			●	●				
LOSS OF COMMUNICATIONS BETWEEN DEDICATED ANNUNCIATOR AND RADIO ENHANCEMENT SYSTEM			●	●			●	●				
NOTES												
1. VERIFY EXACT REQUIREMENTS WITH THE LOCAL AHJ.												

BUILDING SERVICE
LOAD CALCULATION

ADDITION BUILDING AREA =	6500 S.F.
EXISTING (NEC 220.87)	
METERED MAX DEMAND LOAD	108.4 KW
MAX DEMAND LOAD @ 0.8 pf	135.5 KVA
MAX DEMAND LOAD @ 125%	169.4 KVA
LIGHTING (NEC 220.42):	
GENERAL LTG PER NEC 220.12 (3.5 VA/SF X AREA)	22.8 KVA
TOTAL @ 100%	22.8 KVA
RECEPTACLES (NEC 220.44):	
CONNECTED LOAD PER NEC 220.14(I) (161 AT 180 VA)	29.0 KVA
1ST 10 KVA @ 100%	10.0 KVA
REMAINDER @ 50%	9.5 KVA
HVAC:	
12 VA/SF X AREA	78.0 KVA
TOTAL @ 100%	78.0 KVA
EQUIPMENT:	
(3) ADDITIONAL 20 KVA CNC MACHINES	60.0 KVA
1.5 VA/SF X AREA	9.8 KVA
TOTAL @ 100%	69.8 KVA
SERVICE DEMAND LOAD	359 KVA
SERVICE AMPS @ 120/208V, 3ø	997 AMPS

FIRE RESCUE MINIMUM RADIO SIGNAL STRENGTH REQUIREMENT:

IN-BUILDING PUBLIC SAFETY RADIO SYSTEM ENHANCEMENT SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH 2018 IFC SECTION 510, 2018 NFPA 1 CHAPTER 11.10, 2016 NFPA 72 24.3.13.8, 2016 NFPA 1221, AND FCC. SHOULD THE FIRE DEPARTMENT COMMUNICATIONS RADIO SIGNAL STRENGTH NOT BE ACHIEVED TO THE LEVEL SATISFACTORY TO THE AHJ.

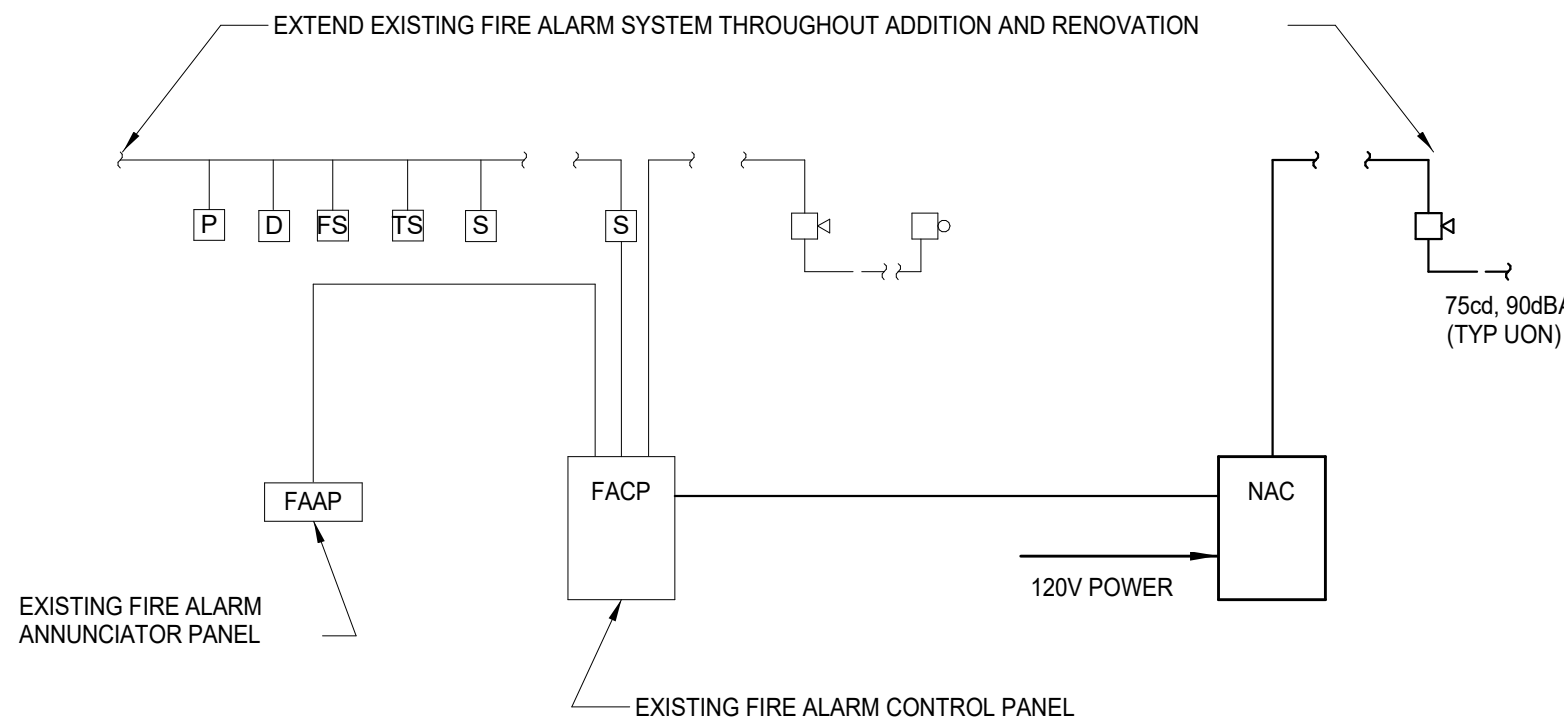
THE CONTRACTOR SHALL PERFORM SIGNAL STRENGTH DETERMINATION TEST AFTER WALLS & ROOF ARE CONSTRUCTED (PRIOR TO FINISH WORK). THE FOLLOWING MUST BE ACHIEVED:

- A MINIMUM STRENGTH OF -95 dBm AVAILABLE IN 95% OF THE BUILDING AREA (INBOUND DESCRIBED).
- A MINIMUM STRENGTH OF -95 dBm AVAILABLE IN 95% OF THE BUILDING AREA (OUTBOUND DESCRIBED).

IF REQUIRED TO BE PROVIDED, THE ENHANCEMENT SYSTEM SHALL INCLUDE:

- FILTERING
- 24 HOUR BACK-UP BATTERY OR LIFE SAFETY (NEC 700) GENERATOR
- FREQUENCY RANGE OF 806-821 MHZ OR AS REQUIRED BY THE LOCAL AHJ
- SYSTEM COMMISSIONING TEST PRIOR TO FINAL ACCEPTANCE TEST WITH AHJ. THE COMMISSIONING TEST SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS AND BE PROVIDED TO COUNTY FIRE RESCUE DEPT. PRIOR TO FINAL INSPECTION.

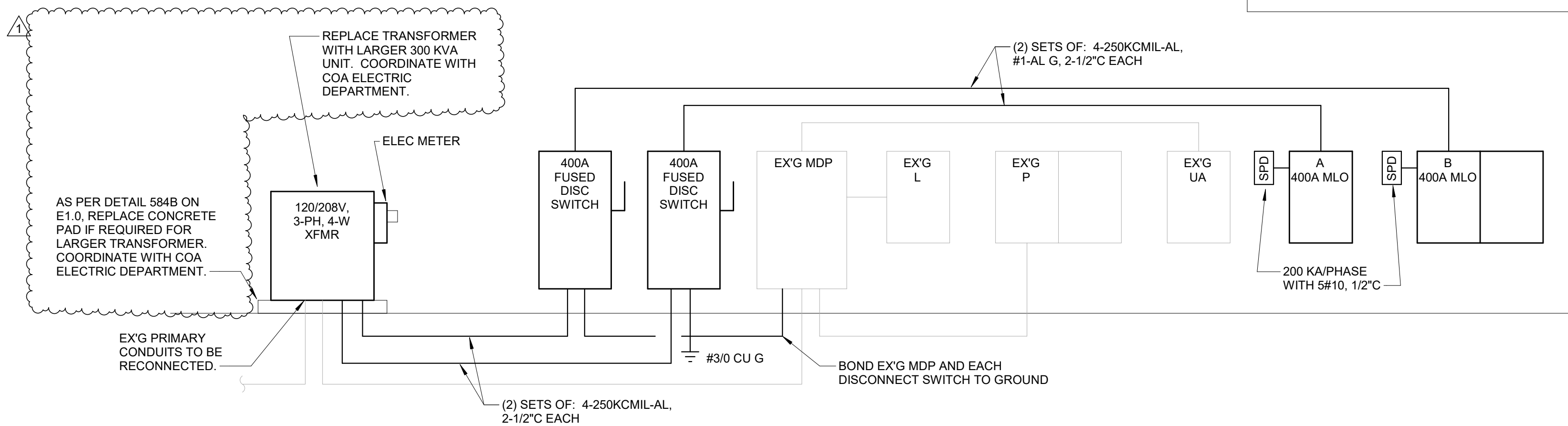
IN ADDITION, CONTRACTOR TO INCLUDE TURNKEY DESIGN/BUILD NFPA 780 LIGHTNING PROTECTION SYSTEM, WHICH SHALL BE CERTIFIED BY A RECOGNIZED INDEPENDENT TESTING AGENCY ACCEPTABLE TO THE AHJ.



FIRE ALARM SYSTEM NOTES:

- THE EXISTING CONTROL PANEL IS A FIRE-LITE MS-5UD.
- FIRE ALARM SYSTEM SHALL BE ADDRESSABLE, 24VDC, POWER LIMITED, FULLY SUPERVISED WITH 5 MINUTE ALARM, 24 HOUR STANDBY BATTERY SYSTEM.
- ALL COMPONENTS NECESSARY FOR CERTIFICATE OF OCCUPANCY SHALL BE INCLUDED IN THE BID. SEE PLANS FOR MINIMUM NUMBER OF DEVICES. COORDINATE WITH LOCAL AUTHORITY FOR ADDITIONAL DEVICES AS MAY BE REQUIRED.
- COORD. WITH M.C. TO PROVIDE SHUTDOWN INTERLOCK WIRING TO RESPECTIVE AHU AS REQUIRED.
- PROVIDE DUCT DETECTOR INDICATING PLATE ON CEILING GRID UNDER EACH RESPECTIVE DUCT DETECTOR LOCATION. ADDRESSABLE PANEL DISPLAY TO NOTE ROOM NUMBER FOR ALL DEVICES.

2
E0.3
FIRE ALARM RISER
SCALE: NTS



1
E0.3
POWER RISER
SCALE: NTS



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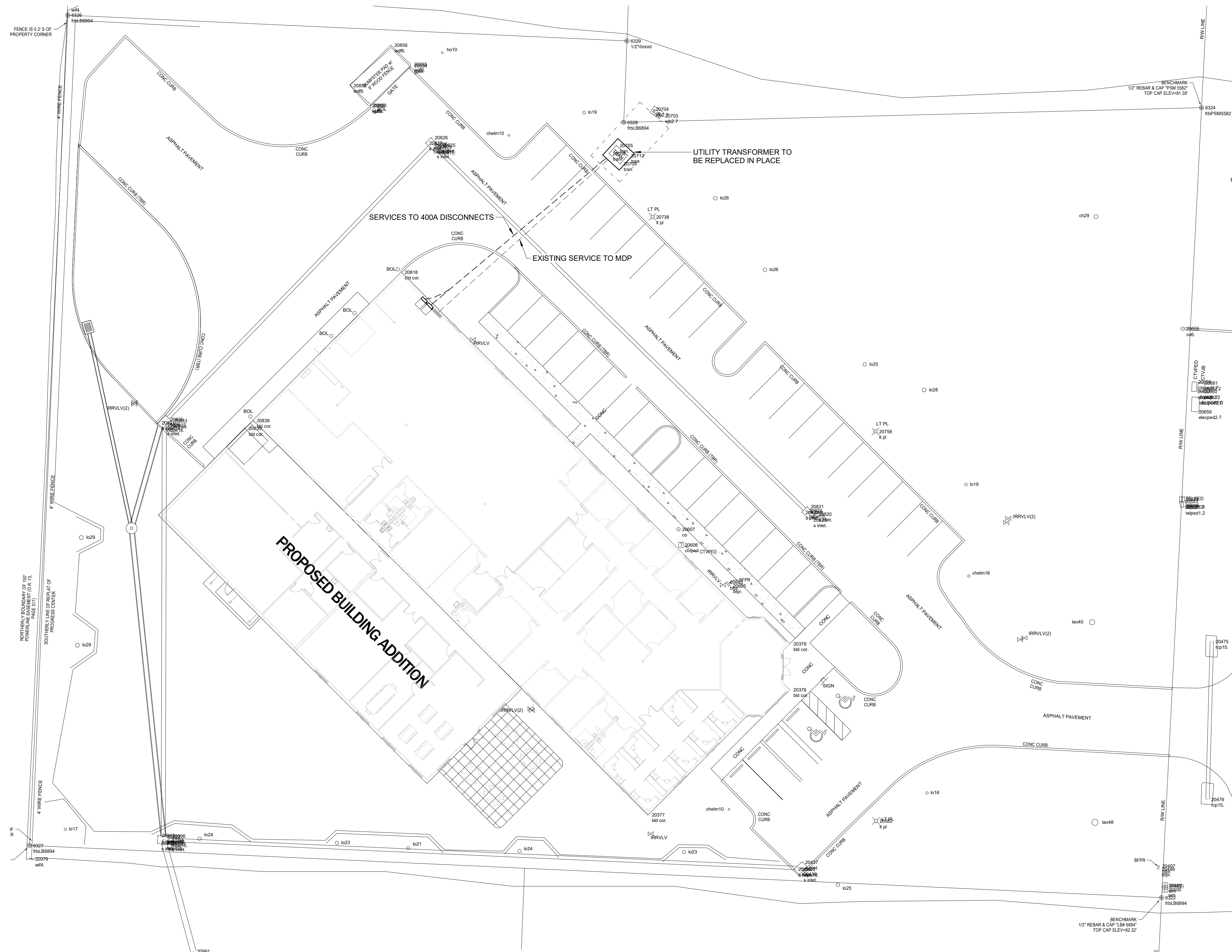
NO.	DATE	REVISION:
1	06/13/2022	Addendum #1
2	06/20/2022	Addendum #2

DESCRIPTION:
ELECTRICAL SITE
PLAN

JOB NO. 22-636A
DRAWN BY: AMM
1 DATE: 04/26/20

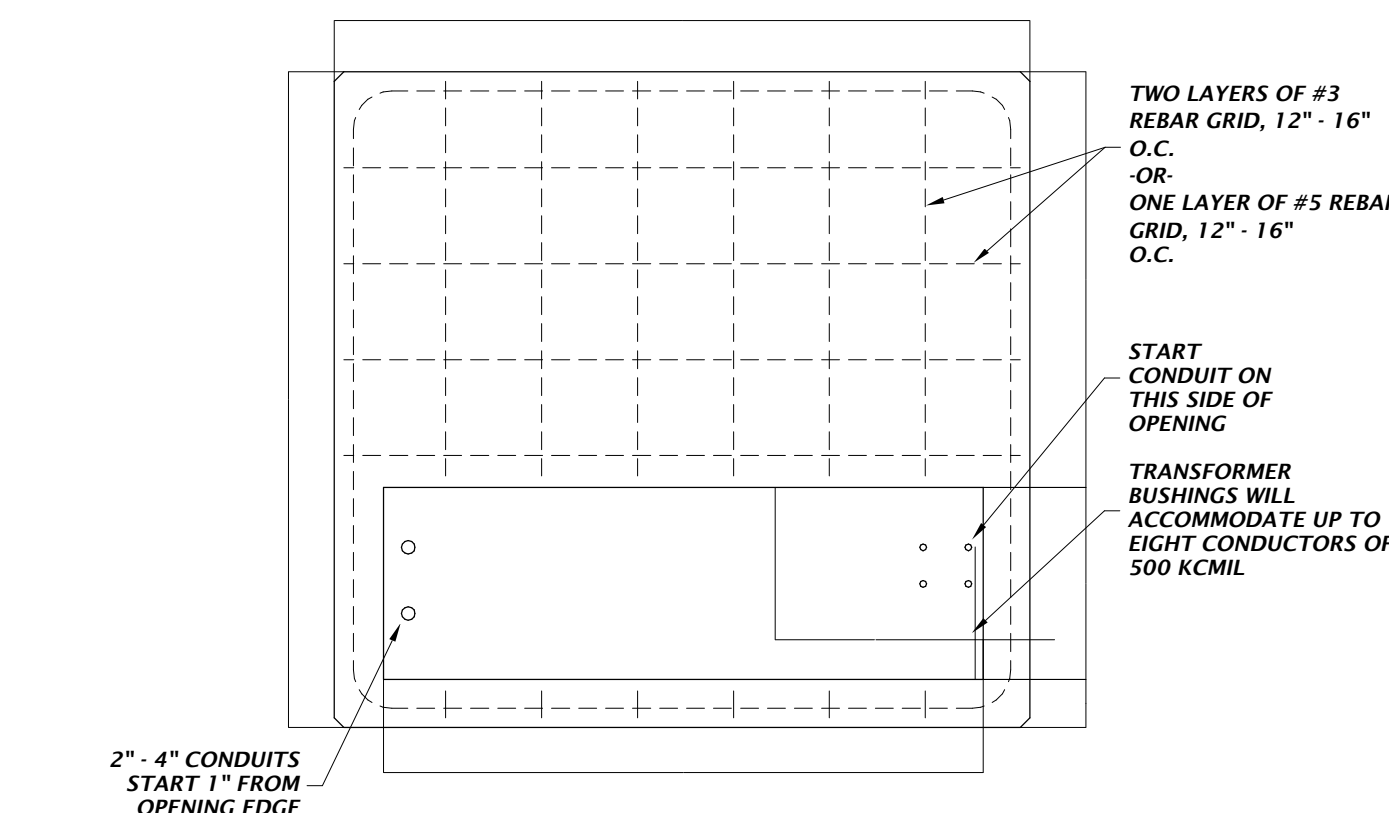
E1.0

DESIGN PHASE: SITE PERMIT



GENERAL NOTES:

- A. SCOPE OF CITY OF ALACHUA (COA) ELECTRICAL WORK: AT NO COST TO THE CITY, THE COA WILL PERFORM CERTAIN WORK ELEMENTS TO ASSIST THE CONTRACTOR IN PROVIDING COMPLETE AND OPERATING ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
- B. THE WORK REQUIRED TO MODIFY EXISTING PRIMARY SERVICE AND TO PROVIDE THE TRANSFORMER SHALL BE A JOINT EFFORT BETWEEN THE CONTRACTOR AND COA.
- C. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL ELECTRICAL WORK REQUIRED TO PROVIDE SECONDARY (LOAD-SIDE) SERVICE FROM THE TRANSFORMER.
- D. COA WILL ORDER THE FOLLOWING PRODUCTS, WHICH SHALL BE PAID FOR BY THE CONTRACTOR: ALL PRIMARY CABLES, ALL TRANSFORMERS AND ALL MAKE-UP MATERIALS. ONCE ON SITE, THESE PRODUCTS WILL BE INSTALLED BY THE CITY OF ALACHUA. ALL PRIMARY MAKEUP, CONNECTIONS AND TESTING WILL BE COMPLETED BY THE CITY OF ALACHUA. ALL WORK DONE BY COA WILL BE BUDGETED FOR IN THE CITY OF ALACHUA BUDGET.
- E. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL OTHER MATERIALS, INCLUDING, BUT NOT LIMITED TO ALL CONDUIT, ENCLOSURES, POLES, LUMINAIRES, TRANSFORMER PADS AND SWITCHGEAR BASES.
- F. THE CONTRACTOR SHALL SCHEDULE AN ELECTRICAL COORDINATION MEETING AT START OF PROJECT. REQUIRED ATTENDEES INCLUDE THE CONTRACTOR, THE ELECTRICAL SUB-CONTRACTOR, THE ENGINEER OF RECORD, THE COA PROJECT MANAGER AND COA ELECTRICAL STAFF.



2" MIN. OVER
REBAR TOP
AND BOTTOM

NOTES:

1. LOCATE TRANSFORMER FRONT 8' TO 15' FROM PAVING FOR LINE TRUCK ACCESS.
2. LOCATE TRANSFORMER A MINIMUM OF 4' FROM THE BUILDING DRIP LINE AND 10' FROM ANY WINDOW OR DOOR.
3. MAINTAIN 10' SEPARATION FROM FIRE HYDRANT, TRASH DUMPSTER OR TRASH COMPACTOR.
4. TERMINATE CONDUITS FLUSH WITH TOP OF PAD.
5. CONCRETE SHALL BE 3500 PSI POURED IN PLACE OR COA-APPROVED PRECAST

CONCRETE MOUNTING PAD AND CONDUIT
PLACEMENT FOR THREE-PHASE TRANSFORMERS,
75-500 KVA

NTS

584E

2 584B, XFMR PAD DETAIL

2
E1

SCALE: NTS



Eng. of Record: Andrew M. May License No.: 7310

2926 Edison Avenue
Jacksonville, FL 3225
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Tucker-Davis Tech Addition

Alachua FL 32915

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[illegible]

DESCRIPTION:
POWER PLAN

JOB NO. 22-636A

DRAWN BY:

DATE: 03/31/2022

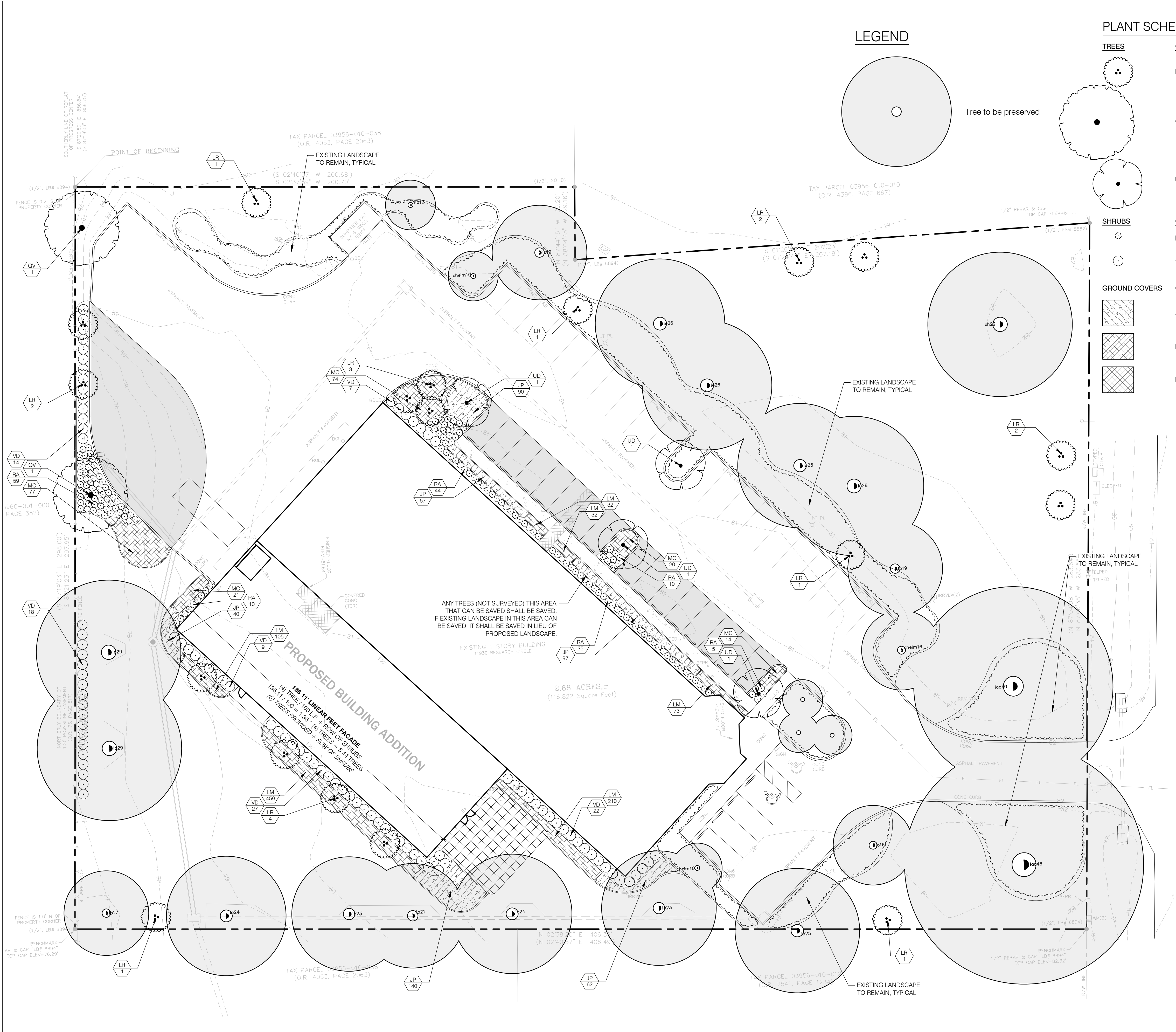
E3.1

NOTES:
1. ELECTRICAL PLAN NOTES LINE ONE
2. PLAN NOTES LINE TWO.

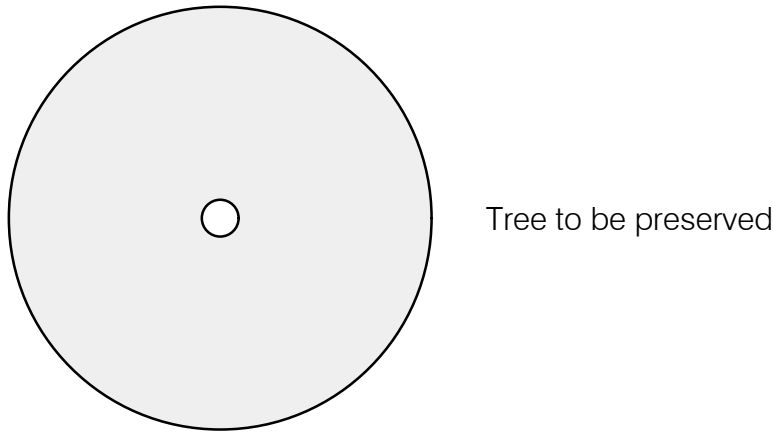
KEYED NOTES:
1. ELECTRICAL KEYED NOTES LINE ONE
2. KEYED NOTES LINE TWO.

1
E3.1





LEGEND



PLANT SCHEDULE

<u>TREES</u>		<u>CODE</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>	<u>SIZE</u>	<u>NOTES</u>
	LR	18	Lagerstroemia x 'Natchez' / White Natchez Crape Myrtle	1.5' Cal. Canes	8' Ht.	
	QV	2	Quercus virginiana 'Cathedral' / Cathedral Southern Live Oak	2' Cal.	8' Ht.	
	UD	4	Ulmus parvifolia 'Drake' / Drake Lacebark Elm	2' Cal.	8' Ht.	
<u>SHRUBS</u>		<u>CODE</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>	<u>SIZE</u>	<u>NOTES</u>
	RA	163	Rhaphiolepis indica 'Alba' / White Indian Hawthorn	3 gal.	18"ht. x 15"sprd	
	VD	97	Viburnum obovatum 'Densa' / Dwarf Walter's Viburnum	3 gal.	18"ht. x 15"sprd	
<u>GROUND COVERS</u>		<u>CODE</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>	<u>SIZE</u>	<u>NOTES</u>
	JP	486	Juniperus chinensis 'Parsonii' / Parsoni Juniper	1 gal.	12"x12", Full	
	LM	911	Liriope muscari / Lilyturf	1 gal.	12"x12", Full	
	MC	206	Muhlenbergia capillaris / Pink Muhly Grass	3 gal.	Full	

PREPARED BY:

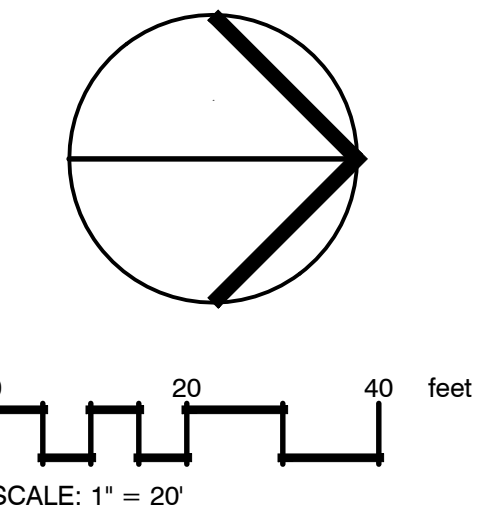
floravie
design

Contact: KALEY DUNLAP
916 VASSAR STREET
ORLANDO, FL 32804
TEL | 321-277-0826
kaley@floraviedesign.com

PREPARED FOR:

eda consultants, inc.

CONTACT: CLAUDIA VEGA
720 SW 2nd AVENUE, SUITE 300
GAINESVILLE, FL 32601
PHONE: (352) 373-3541



No.	Date	Comment
1	2022-05-18	PER CITY COMMENTS

Professional Landscape Architect of Record:

KALEY M. DUNLAP
REGISTERED LANDSCAPE ARCHITECT
LA 6667256
STATE OF FLORIDA

Kaley M. Dunlap, PLA
Landscape Architect

LA6667256
Certificate No.

Project No: 22-024

Project Phase: CITY SUBMITTAL

Project Title: TUCKER DAVIS TECHNOLOGIES CITY OF ALACHUA, FLORIDA

Sheet Title: LANDSCAPE PLAN

Designed: KMD	Sheet No.:
Drawn: ZRR	L100
Checked: KMD	
Date: 03/31/2022	

1. **INVASIVE SPECIES:** REMOVE INVASIVE, NONNATIVE PLANT SPECIES AS LISTED ON THE FLORIDA PROHIBITED AQUATIC PLANTS LIST OR THE FLORIDA NOXIOUS WEED LIST FROM THE SITE PRIOR TO ISSUANCE OF THE CERTIFICATION OF OCCUPANCY. ALL HERBICIDE APPLICATIONS TO CONTROL INVASIVE, NONNATIVE PLANTS IN WETLAND OR UPLAND SET-ASIDE AREAS, INCLUDING BUFFERS, SHALL BE APPLIED BY A CONTRACTOR LICENSED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF AGRICULTURAL ENVIRONMENTAL SERVICES, WITH A CURRENT CERTIFICATION IN NATURAL AREAS WEED MANAGEMENT.

2. **ON-SITE LITTER REMOVAL:** REMOVE ALL EXISTING LITTER AND DEBRIS VISIBLE ON THE PROJECT SITE.
3. **PLANTING PREPARATION:** REMOVE ALL CONSTRUCTION DEBRIS, LIMEROCK, GRAVEL, ROAD BEDDING, LITTER, AND OTHER ITEMS POTENTIALLY DAMAGING TO PLANT GROWTH WITHIN PROPOSED LANDSCAPE AND TURF AREAS PRIOR TO PLANTING. MAINTAIN EXISTING GRADES UNLESS OTHERWISE APPROVED BY THE OWNERS REPRESENTATIVE. IF FILL IS REQUIRED, USE A CLEAN, SANDY LOAM WITH pH 5.5-6.5 AND EXCAVATED FROM LOCAL SOURCES AND DEEP PITS SUCH THAT IT IS FREE OF WEEDS, SEEDS, LITTER, TOXINS, AND OTHER ITEMS HARMFUL TO PLANTING.
4. **PRUNING:** IF TREE OR ROOT PRUNING IS REQUIRED, THESE ACTIVITIES SHALL BE PERFORMED BY AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURAL (ISA). TREE PRUNING SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS "TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE" (ANSI 300) AND "PRUNING, TRIMMING, REPAIRING, MAINTAINING, AND REMOVING TREES, AND CUTTING BRUSH - SAFETY REQUIREMENTS" (ANSI 2133). NO MORE THAN 25 PERCENT OF THE CROWN SHOULD BE REMOVED AT ONE TIME. ON YOUNG TREES, LIMB REMOVAL SHALL LEAVE NO MORE THAN 33 PERCENT OF THE TRUNK BARE OF BRANCHES.

PLANT MATERIAL QUALITY: PLANT MATERIAL TO COMPLY WITH "FLORIDA #1" GRADE QUALITY STANDARD OR BETTER AS DEFINED AND SPECIFIED WITHIN THE LATEST EDITION OF THE "FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS" AS PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF PLANT INDUSTRIES. PROVIDE HEALTHY, VIGOROUS STOCK GROWN IN A RECOGNIZED NURSERY IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES AND FREE OF DISEASE, PESTS, AND DEFECTS.

- 5. NEW TREES:** NEW TREES SHALL BE INSTALLED TO REPLACE HEALTHY REGULATED TREES REMOVED PURSUANT TO SECTION 6.2.1. REGULATED TREES SHALL BE REPLACED ON A ONE-FOR-ONE BASIS. HEALTHY HERITAGE AND CHAMPION TREES REMOVED AS PROVIDED HEREIN SHALL BE REPLACED ON AN INCH-FOR-INCH BASIS. REPLACEMENT TREES SHALL BE GRADED FLORIDA NO. 1 OR BETTER, AS OUTLINED IN THE MOST RECENT PUBLICATION OF THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF PLANT INDUSTRY, GRADES AND STANDARDS FOR NURSERY PLANTS, PART II, PALMS AND TREES. THE TERM "HEALTHY," AS STATED HEREIN, MEANS "GOOD" OR BETTER PER THE STANDARD DEFINITION FROM THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) STATING THE TREE HAS NO MAJOR STRUCTURAL PROBLEMS, NO SIGNIFICANT DAMAGE DUE TO DISEASE OR PESTS, NO SIGNIFICANT MECHANICAL DAMAGE, A FULL BALANCE CROWN, AND NORMAL TWIG CONDITION AND VIGOR FOR ITS SPECIES. PALM TREES MAY BE UTILIZED AS REPLACEMENT TREES BUT AT AN INCREASED RATIO OF 3:1 REPLACEMENT AND SHALL BE A MINIMUM OF EIGHT FEET TALL AT THE TIME OF PLANTING.
- 6. DURING DEVELOPMENT:** DURING DEVELOPMENT OR SITE ALTERATION ACTIVITIES, THE FOLLOWING STANDARDS SHALL BE MET:
- 6.1. PROTECTIVE BARRICADES SHALL BE PLACED TO DEFINE A PROTECTIVE AREA AROUND EXISTING TREES TO REMAIN. BARRIERS SHALL BE PLACED AROUND ALL REGULATED TREES AT A MINIMUM OF TWO-THIRDS OF THE AREA OF THE DRIPLINE OF THE TREE OR STAND OF TREES OR AT SIX FEET FROM THE TRUNK OF THE TREE, WHICHEVER IS GREATER. PROTECTIVE BARRICADES SHALL BE PLACED AT THE DRIPLINE OF ALL HERITAGE TREES, CHAMPION TREES, AND REGULATED PALM TREES. PROTECTIVE BARRICADES SHALL BE PLACED AROUND ALL TREES TO BE RETAINED ON THE SITE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING AND CONSTRUCTION ACTIVITIES ARE COMPLETE, EXCEPT WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE APPROVED WITHIN THE PROTECTED AREA. IF LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE APPROVED WITHIN THE PROTECTED AREA, THEN THE PROTECTIVE BARRICADES SHALL ONLY BE REMOVED WHEN ACTIVITIES ARE OCCURRING. PROTECTIVE BARRICADES SHALL BE REPLACED UPON COMPLETION OF THE ACTIVITIES WITHIN THE PROTECTED AREA. PROTECTIVE BARRICADES SHALL BE AT LEAST FOUR FEET HIGH AND CONSTRUCTED OF EITHER WOODEN CORNER POSTS AT LEAST FOUR INCHES IN WIDTH BY FOUR INCHES IN DEPTH BY FOUR FEET IN HEIGHT BURIED ONE FOOT DEEP WITH AT LEAST TWO COURSES OF WOODEN SLAT SLATS AT LEAST TWO INCHES IN WIDTH BY FOUR FEET WITH COLORED FLAGGING OR COLORED MESH CONSTRUCTION FENCING ATTACHED OR CONSTRUCTED OF ONE INCH ANGLE IRON CORNER POSTS WITH BRIGHTLY COLORED MESH CONSTRUCTION FENCING ATTACHED.
- 6.2. A MINIMUM DISTANCE OF TEN FEET SHALL BE MAINTAINED FROM ALL RETAINED REGULATED, HERITAGE, AND CHAMPION TREES WHEN INSTALLING UNDERGROUND UTILITIES. IF THIS RESULTS IN UNREASONABLE HARDSHIP, A SOIL AUGER SHALL BE USED TO TUNNEL UNDER THE ROOT SYSTEMS.
- 6.3. NO ATTACHMENTS SHALL BE SECURED TO TREES DESIGNATED TO REMAIN ON SITE.
- 6.4. A THREE-INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF ANY EXPOSED ROOTS OF RETAINED REGULATED, HERITAGE, AND CHAMPION TREES AND KEPT WET DURING THE SITE CLEARING AND CONSTRUCTION PHASES.
- 6.5. RAISING OR LOWERING OF GRADE WITHIN THE DRIPLINE OF EXISTING TREES TO REMAIN SHALL NOT BE PERMITTED UNLESS OTHERWISE APPROVED BY THE LAND DEVELOPMENT REGULATIONS ADMINISTRATOR OR APPOINTEE.
- 6.6. DURING THE SITE CLEARING OR CONSTRUCTION PHASES, THE FOLLOWING ACTIVITIES SHALL BE PROHIBITED WITHIN THE PROTECTIVE AREA UNLESS APPROVED WITH THE APPROPRIATE PROTECTIVE STRATEGIES BY THE CITY DURING SITE PLAN OR CONSTRUCTION PLAN APPROVAL:
- 6.6.1. THE CLEARING OF VEGETATION EXCEPT BY HAND;
- 6.6.2. THE COMPACTION, FILLING, OR REMOVAL OF SOIL DEPOSITS;
- 6.6.3. THE PLACEMENT OF DEBRIS;
- 6.6.4. THE PLACEMENT OR DUMPING OF SOLVENTS OR OTHER CHEMICALS;
- 6.6.5. THE PLACEMENT OR STORAGE OF CONSTRUCTION MATERIALS, MACHINERY, OR OTHER EQUIPMENT OF ANY KIND; AND
- 6.6.6. THE USE OF CONCRETE, ASPHALT, OR OTHER PAVING MATERIALS.
- 6.7. ANY RETAINED OR RELOCATED TREE SHALL BE REPLACED IN ACCORDANCE WITH THE REQUIREMENTS OF SUBSECTION 6.2.1(D)(1), IF THE TREE DIES WITHIN ONE YEAR AFTER SITE CLEARING AND CONSTRUCTION.
- 6.8. ANY ROOT PRUNING AND/OR PRUNING OF RETAINED REGULATED, HERITAGE, AND CHAMPION TREES DURING THE SITE CLEARING OR CONSTRUCTION PHASES SHALL BE DONE IN ACCORDANCE WITH ARBORICULTURAL STANDARDS AND DIRECTLY OVERSEEN BY AN ISA-CERTIFIED ARBORIST.
- 7. SOD:** ALL UNPAVED AND DISTURBED AREAS OUTSIDE OF PROPOSED TREE, SHRUB, AND GROUNDCOVER PLANTING AREAS SHALL BE SODDED. SEE SHEET S.....

8. **MULCHING:** THREE INCHES OF MULCH, SETTLED, SHOULD COVER TREE RING PLANTING AREAS AND ALL SHRUB AND GROUND COVER PLANTING AREAS. MULCH SHOULD BE NO DEEPER THAN ONE INCH OVER THE TOP OF TREE ROOTBALLS, USE PINE STRAW MULCH IN ALL AREAS. MULCH TO BE FREE OF DEBRIS, STICKS, AND CONES. NO PLASTIC OR NON-BIODEGRADABLE WEED CLOTH OR SURFACE COVERS TO BE USED.
9. **IRRIGATION:** THE IRRIGATION SYSTEM USED FOR LANDSCAPE SHALL BE DESIGNED TO CORRELATE TO THE WATER USE PLANT ZONES ESTABLISHED IN THE LANDSCAPE DESIGN. A PRELIMINARY IRRIGATION PLAN SHALL BE SUBMITTED AT TIME OF SITE PLAN OR CONSTRUCTION PLAN APPLICATION SUBMISSION WITH A NOTE THAT THE FOLLOWING STANDARDS FOR IRRIGATING THE SITE SHALL BE USED IN THE DESIGN OF THE SYSTEM:
- IN THE HIGH WATER USE ZONE: ALL PORTIONS OF THE ZONE SHALL BE PROVIDED WITH AN AUTOMATIC IRRIGATION SYSTEM WITH LOW VOLUME HEADS THAT ARE TIMED TO PRODUCE NO MORE THAN TWO INCHES OF WATER PER WEEK IN ESTABLISHED LANDSCAPES.
 - IN THE MODERATE WATER USE ZONE: ALL PORTIONS OF THE ZONE SHALL BE PROVIDED WITH A READILY AVAILABLE WATER SUPPLY WITHIN 100 FEET, TO SUPPLEMENT NATURAL RAINFALL WHEN NEEDED, AND TO HELP ENSURE THAT WATERING WILL TAKE PLACE UNTIL THE PLANT MATERIAL IS ESTABLISHED.
 - IN LOW WATER USE ZONES: ALL PORTIONS OF THE ZONE SHALL BE PROVIDED WITH A READILY AVAILABLE WATER SUPPLY WITHIN 50 FEET, TO SUPPLEMENT NATURAL RAINFALL WHEN NEEDED, AND TO HELP ENSURE THAT WATERING WILL TAKE PLACE UNTIL THE PLANT MATERIAL IS ESTABLISHED.
 - RAIN SENSOR DEVICES SHALL BE REQUIRED ON ALL AUTOMATIC IRRIGATION SYSTEMS TO AVOID IRRIGATION DURING PERIODS OF SUFFICIENT RAINFALL.
 - THE IRRIGATION SYSTEM SHALL BE DESIGNED TO MINIMIZE IRRIGATION OVERTHROW ONTO IMPERVIOUS SURFACES AND TO NEGATE ANY PONDING EFFECTS.
 - A FINAL IRRIGATION PLAN SHALL BE SUBMITTED AT THE TIME OF BUILDING PERMIT APPLICATION OR CONSTRUCTION PLAN APPLICATION AND SHALL BE REVIEWED TO ENSURE THAT THE DESIGN STANDARDS FOUND IN THIS SUBSECTION HAVE BEEN MET.

- 11. RESPONSIBILITY:** THE OWNER OF THE PARCEL SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL PRESERVED, RELOCATED, OR REPLACEMENT TREES. ALL TREES WILL BE INSPECTED BY AN ARBORIST, FORESTER, OR REGISTERED LANDSCAPE ARCHITECT, HIRED BY THE OWNER, WITHIN SIX MONTHS AFTER PLANTING TO ENSURE THE TREES ARE SURVIVING IN A HEALTHY CONDITION. A CERTIFIED REPORT SHALL BE PROVIDED TO THE LAND DEVELOPMENT REGULATIONS ADMINISTRATOR DESCRIBING THE CONDITION OF TREES. TREES FOUND TO BE IN DECLINING CONDITION SHALL BE REPLACED BY THE OWNER OF THE PARCEL WITHIN 30 DAYS OF SUBMITTAL OF THE REPORT. IF REPLACEMENT IS NECESSARY, THERE SHALL BE A REINSPECTION REPORT SUBMITTED WITHIN SIX MONTHS AFTER THE REPLACEMENT REPLANTING.
- 12. MAINTENANCE RECOMMENDATIONS:** PER CITY OF ALACHUA ULDR, ARTICLE 6., SEC. 6.2.2.D.7.B.vii. A MAINTENANCE SCHEDULE MUST BE SUBMITTED ADDRESSING THE FOLLOWING:

- **CHECKING:** CHECK DISTRIBUTION AND SPRINKLER FUNCTION OF THE IRRIGATION SYSTEM PERIODICALLY AND MONTHLY AT A MINIMUM. MAKE REPAIRS AS NEEDED. ADJUST SPRAY HEADS TO MINIMIZE OVERTHROW ONTO PAVEMENT.
- **RESETTING:** WATER AT A FREQUENCY AS ALLOWED BY THE LOCAL JURISDICTIONS INCLUDING CITY OF ALACHUA AND SUWANNEE RIVER WATER MANAGEMENT DISTRICT. WATER AT A DURATION AS INDICATED IN IRRIGATION DESIGN INDICATED FOR EACH ZONE. ADJUST FREQUENCY AND DURATION AS NEEDED AND AS DIRECTED BY REGULATING AGENCIES.
- **REMULCHING:** MAINTAIN THE DEPTH OF MULCH IN ALL PLANTING AREAS AS SPECIFIED IN PLANS. REPLENISH A MINIMUM OF TWICE A YEAR OR AS NEEDED. DEPTH SHALL BE MEASURED WHEN MULCH IS SETTLED. REMOVE STICKS, CONES, AND DEBRIS FROM MULCH PRIOR TO PLACING. UTILIZE MULCH TYPE AS SPECIFIED IN PLANS. REMOVE DEBRIS FROM MULCH AREAS PRIOR TO REMULCHING.
- **FERTILIZING:** APPLY A SLOW-RELEASE, GRANULAR FERTILIZER WITHIN ALL PLANTING AREAS. APPLY IN A MANNER AND AT A RATE AND FREQUENCY AS RECOMMENDED BY THE MANUFACTURER AND AS PER CITY OF ALACHUA REGULATIONS, IF APPLICABLE. DO NOT APPLY ON LEAVES OR BRANCHES. DO NOT ALLOW FERTILIZER TO FALL ON PAVEMENT OR NEAR DRAINS. FERTILIZER TO MEET SPECIFICATION FOR COMMERCIAL APPLICATIONS.
- **WEEDING:** KEEP PLANTING BEDS, TREE RINGS, AND MULCH AREAS FREE OF UNDESIRABLE VEGETATION. APPLY A PRE-EMERGENT HERBICIDE AS APPROVED BY THE OWNER TO PLANTING AREAS PRIOR TO THE PLANTING SEASON IN EARLY SPRING. MANUALLY REMOVE WEEDS AND OTHER UNDESIRABLE SPECIES OVER 12" IN HEIGHT. UTILIZE A POST-EMERGENT HERBICIDE AS APPROVED BY THE REGULATING AGENCIES FOR WEEDS LESS THAN 12". WEED MONTHLY, MINIMUM.
- **PRUNING:** MAINTAIN PLANTINGS TO MAINTAIN THE CLEAR SIGHT WINDOW AS DEFINED BY THE REGULATING AGENCIES OF THE ADJACENT ROADWAYS. PRUNING TO BE DONE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AMERICAN NATIONAL STANDARD 'TREE, SHRUB, AND OTHER WOODY PLANT MAINTENANCE' (ANSI A300). PRUNE FLOWERING PLANTS FOLLOWING THEIR BLOOMING PERIOD. PRUNE OTHER PLANTS IN EARLY SPRING PRIOR TO THEIR FIRST FLUSH. REMOVE DEAD OR INJURED BRANCHES. HEAD BRANCHES IF NEEDED TO MAINTAIN HEIGHT AND TRIM AT DIFFERENT LENGTHS FOR A MORE NATURAL FORM, WHERE DESIRED BY THE OWNER. DO NOT PRUNE SHRUBS INTO BALLS OR OTHER SHAPES AND INSTEAD MAINTAIN IN THEIR NATURAL FORM, AS DIRECTED BY THE OWNER.
- **MOWING:** MOW TURF AT A FREQUENCY TO MAINTAIN TURF IN A VIGOROUS AND HEALTHY STATE WITHOUT APPEARING UNKEMPT. REMOVE UNWANTED VEGETATION, AND DEBRIS FROM TURF AREAS DURING MOWING ACTIVITIES.

- 13. EXISTING UTILITIES:** LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. CALL 811.



Know what's **below**.
Call before you dig.

Per City of Alachua ULDR, Article 6, Sec. 6.2.2.D.7.b. Xeriscape Standards

Required: Preserve and maintain native vegetation
Provided: *Site plan preserves existing oak trees.*

Required: Group plant material into water use zones based on water needs.
Provided: *Plant groupings have similarly low water needs and can thus be irrigated accordingly. Irrigation plan to be provided.*

Required: Ensure plant types are appropriate for soils.
Provided: *All species provided are Florida Friendly species suited to the proposed site conditions.*

Required: Use of mulch.
Provided: *Mulch is proposed for all planting areas, including trees outside of main landscape beds.*

Required: Use of low water use plants.
Provided: *Plants with high drought tolerances and low water requirements are proposed.*

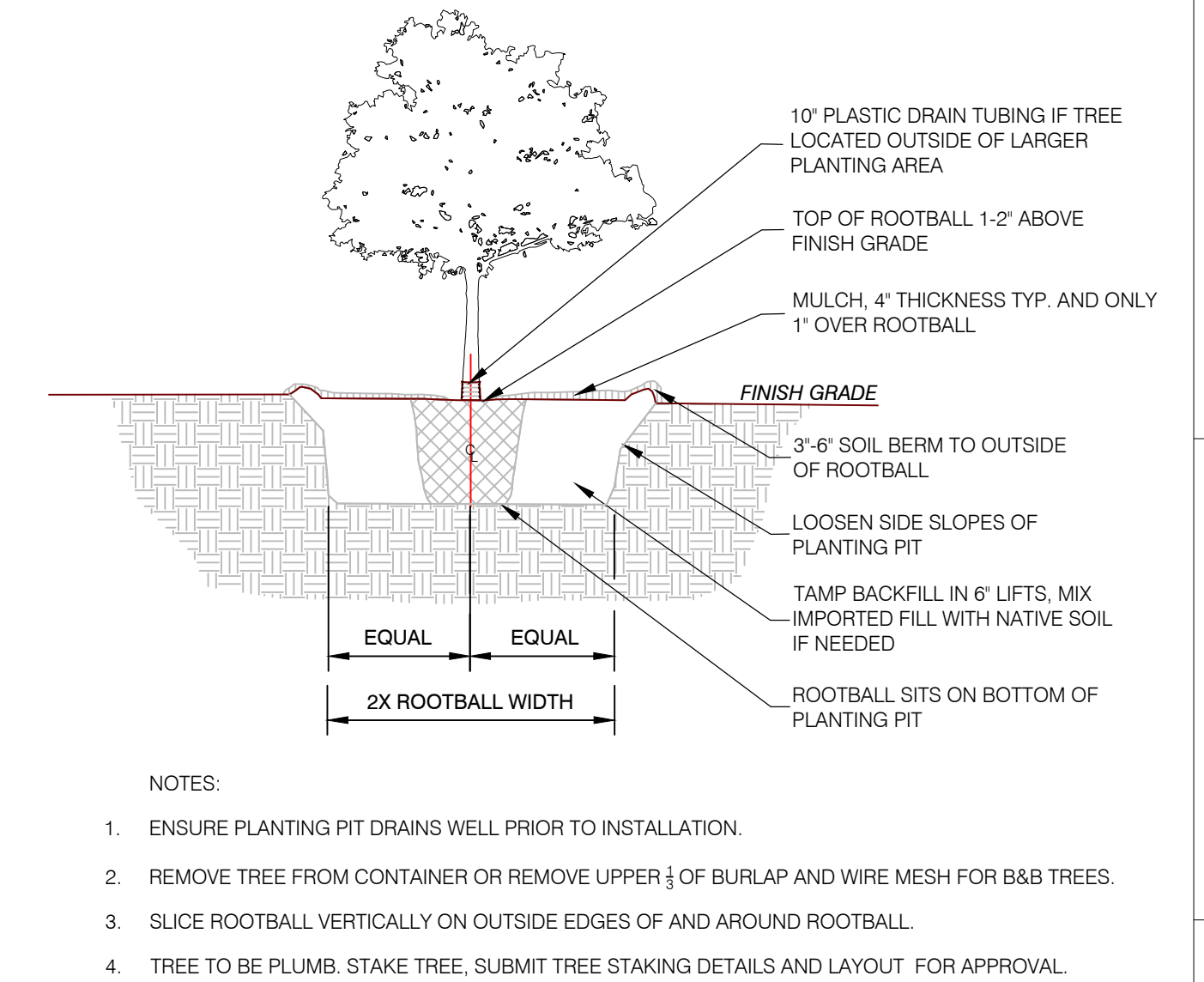
Required: Efficient irrigation.
Provided: *Irrigation plan to be provided.*

Required: Maintenance.
Provided: *Maintenance is required as per general landscape notes 12.*

Required: Drip irrigation or emitters.
Provided: *Irrigation Plan to be provided.*

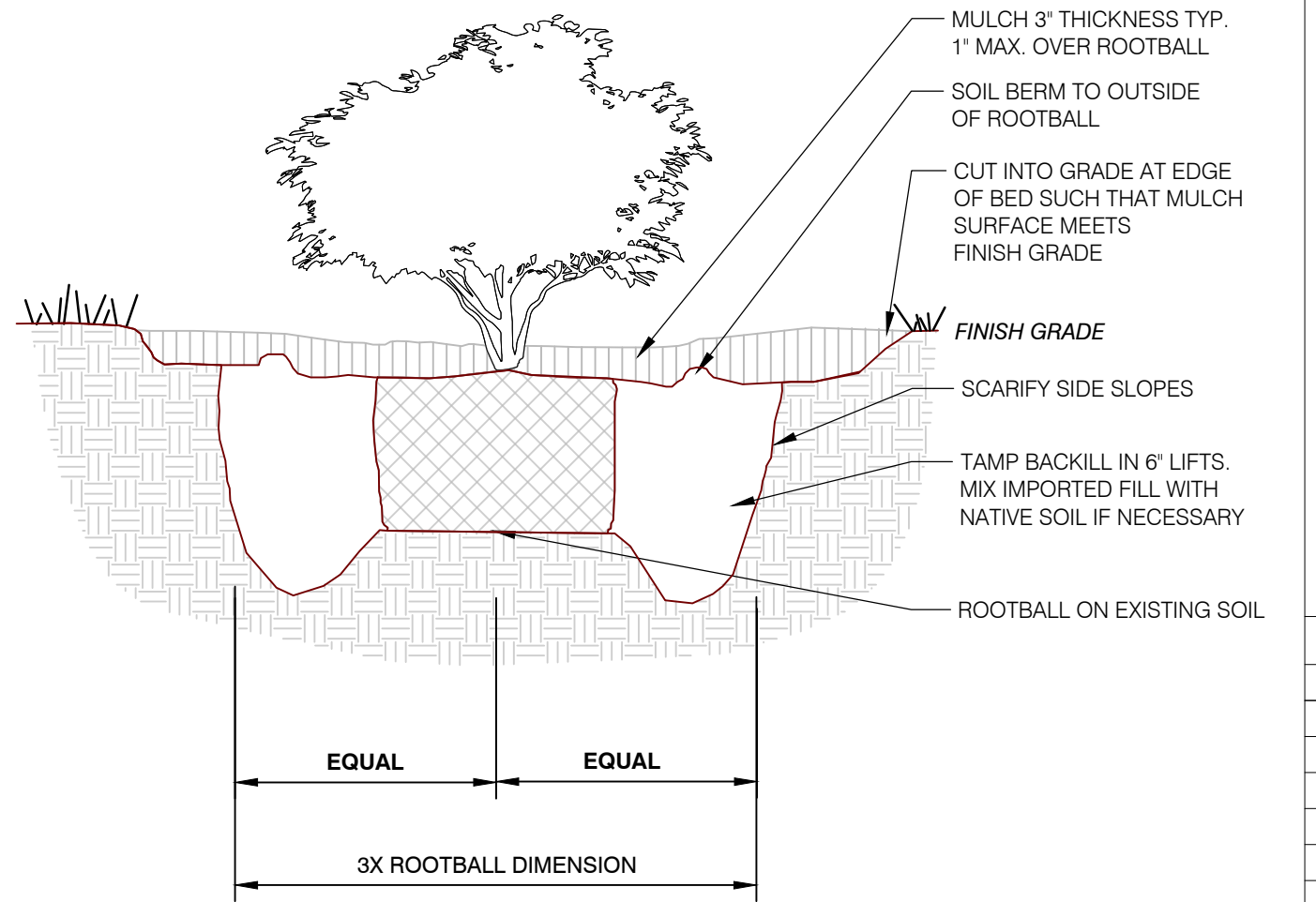
Per City of Alachua ULDR Article 6, Sec. 6.2.2.C.8 Florida Friendly Landscaping

1. Right Plant Right Place. **Proposed plants are native species or species that are well adapted to the site conditions. Plants are chosen and placed so as to avoid utility, vehicular and pedestrian conflicts. Preference has been given to species that are well-suited for the site microclimate and the industrial use of the site. Shrubs are varied to foster diversity, create visual interest and attract a variety of wildlife. Plants are a minimum of 2' from all building facades to reduce maintenance concerns. On the west sides of the building, deciduous trees provide shade in the summer and allow natural winter light into the buildings and parking for passive heating. Existing oak tree cluster near parking lot has been preserved, retaining habitat, stormwater management and soil stability benefits.**
2. Water Efficiently. **Irrigation Plan to be provided.**
3. Fertilize Appropriately. **Fertilizer and application as required as per general landscape notes 12.**
4. Mulch. **Mulch is to be provided in all planting areas as shown by the hatched bedlines.**
5. Attract Wildlife. **Proposed plants include species that attract pollinators. All plants are well-adapted to the region.**
6. Manage Yard Pests Responsibly. **Proposed pest management will be per best management practices.**
7. Recycle Yard Waste. **Yard waste to be disposed of as required within Alachua County and the City of Alachua.**
8. Reduce Stormwater Runoff. **Stormwater management meets regulating agency requirements. See civil plans.**
9. Protect the Waterfront. **Wetland areas are protected as per Water Management District and City of Alachua requirements. See civil plans.**



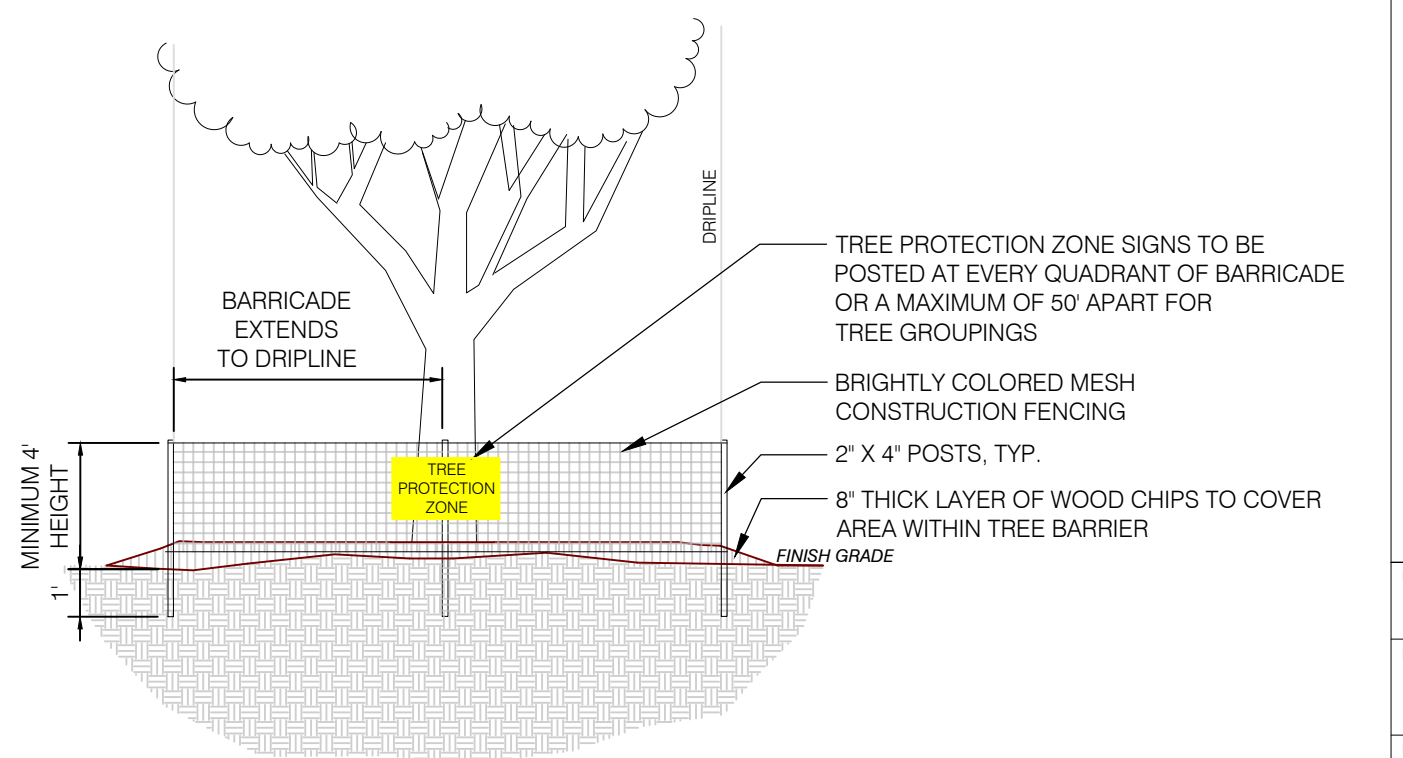
SCALE: N.T.S

P-ED-01



SCALE: N.T.S

P-ED-04




NOTES

1. PRIOR TO ANY CLEARING, GRUBBING, OR ANY CONSTRUCTION, TREE PROTECTION BARRICADES SHALL BE ERECTED AROUND ALL TREES, OR GROUPS OF TREES WITHIN THE CONSTRUCTION AREA WHICH ARE TO BE PRESERVED.
2. THE REMOVAL OF ANY TREE OR GROUP OF TREES WITHIN THE TYPICAL TYPE OF ANY TREE WHICH IS BEING PROTECTED IS NOT ALLOWED.
3. THE MOVEMENT OF EQUIPMENT, OR THE STORAGE OF EQUIPMENT, MATERIALS, DEBRIS, OR FILL WITHIN THE TYPICAL TYPE OF ANY TREE WHICH IS BEING PROTECTED IS NOT ALLOWED.
4. THE CONTRACTOR SHALL INSPECT ALL TREE PROTECTION BARRICADES AND SIGNS ON A WEEKLY BASIS DURING THE COURSE OF CONSTRUCTION TO DETERMINE IF THERE IS ANY DAMAGE TO THE BARRICADES OR SIGNS.
5. IF ANY TREE WHICH HAS NOT BEEN APPROVED TO BE REMOVED IS DESTROYED, OR RECEIVES DAMAGE DURING CONSTRUCTION, WITH THE EXCEPTION OF NATURAL EVENTS, SUCH AS TO PLACE ITS LONG TERM SURVIVAL IN QUESTION, THE TREE(S) MUST BE REPLACED AT AN EQUAL OR BETTER SPECIES AND SIZE. THE REPLACEMENT TREE(S) SHALL BE OF COMPARABLE SPECIES OF THE DESTROYED OR DAMAGED TREE(S) WITH A MINIMUM SIZE OF 3.5-INCH CALIPER.

SCALE: NTS

P-ED-MAR-01

PREPARED BY:

The logo for Floravie design features the word "Floravie" in a large, elegant, cursive script font. Below it, the word "design" is written in a smaller, clean, sans-serif font.

Contact: KALEY DUNLAP

916 VASSAR STREET
ORLANDO, FL 32804
TEL | 321-277-0826
kaley@floraviedesign.com

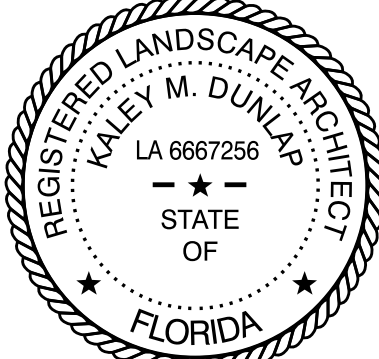
PREPARED FOR:

eda consultants, inc.

CONTACT: CLAUDIA VEIGA
720 SW 2nd AVENUE, SUITE 300
GAINESVILLE, FL 32601
PHONE: (352) 373-3541

[illegible]

Professional Landscape Architect of Record:



Kaley M. Dunlap, PLA	LA6667256
Landscape Architect	Certificate No.

Project No. 22-034

CITY SUBMITTAL

Project Title

TUCKER DAVIS
TECHNOLOGIES
CITY OF ALACHUA,
FLORIDA

Sheet Title:

LANDSCAPE CALCULATIONS,
NOTES, AND DETAILS

Designed:	KMD	Sheet No.: <div style="font-size: 2em; font-weight: bold; text-align: center;">L200</div>
Drawn:	ZRR	
Checked:	KMD	
Date:	03/31/2022	

GENERAL NOTES

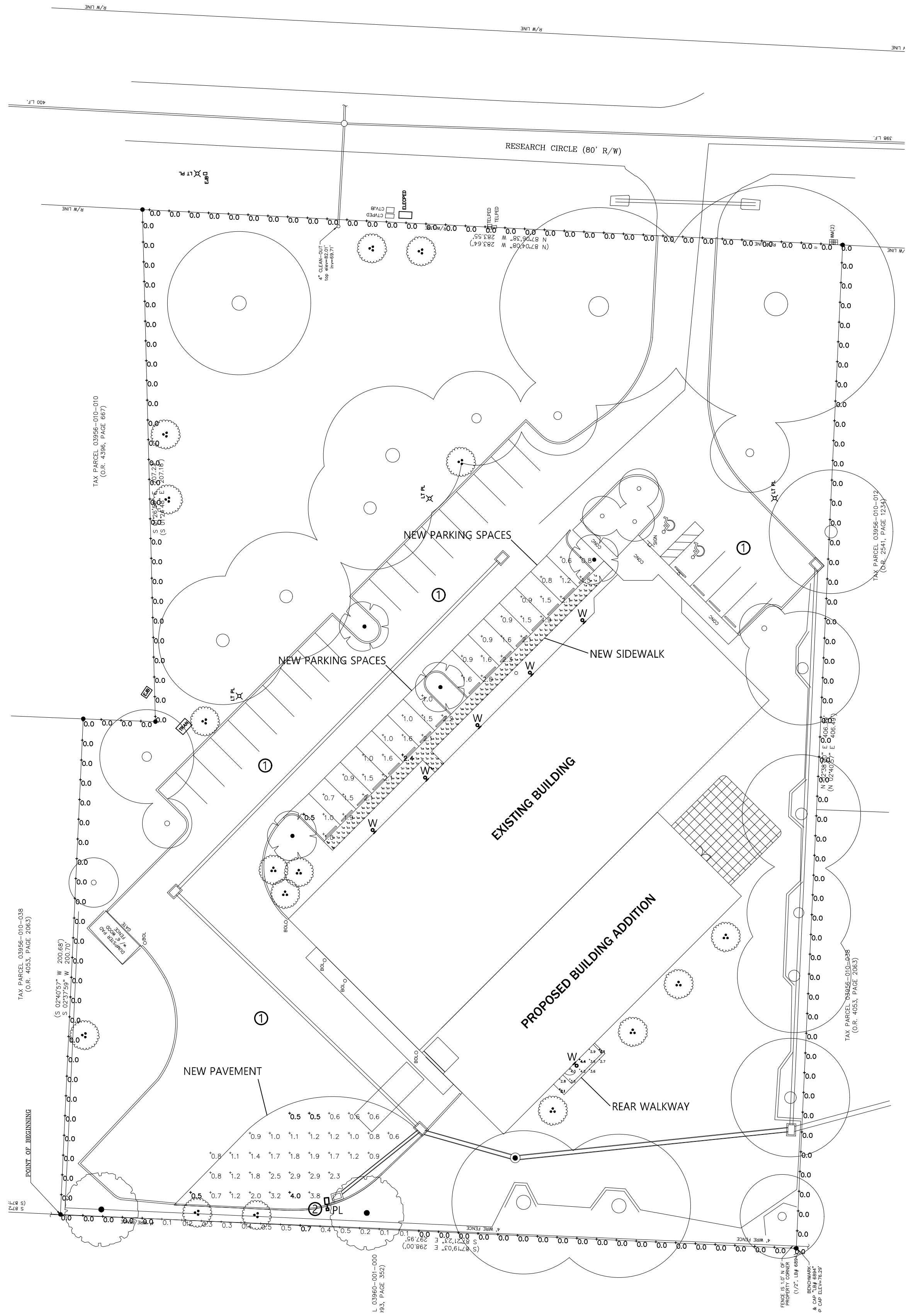
- HIGHLIGHTED POINTS REPRESENT MAXIMUM/MINIMUM VALUE FOR EACH AREA.
- FIXTURES WILL BE CONTROLLED WITH PHOTOCELL AND OPERATE DUSK-TO-DAWN.
- POLES SHALL BE LOCATED MINIMUM 24" BEHIND CURB AND SHALL BE PROVIDED WITH CONCRETE POLE BASE.

PLAN NOTES

- EXISTING TO REMAIN AREAS NOT IN SCOPE OF PHOTOMETRIC STUDY.
- FIXTURE TO BE OUTFITTED WITH HOUSE SIDE SHIELD TO LIMIT LIGHT TRESPASS ALONG PROPERTY LINE.

Photometric Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
NEW PARKING SPACES	+	1.4 fc	2.4 fc	0.5 fc	4.8:1	2.8:1
NEW SIDEWALK	+	2.5 fc	3.4 fc	1.1 fc	3.1:1	2.3:1
NEW PAVEMENT	+	1.5 fc	4.0 fc	0.5 fc	8.0:1	3.0:1
PROPERTY LINE	+	0.0 fc	0.7 fc	0.0 fc	N/A	N/A
REAR WALKWAY	+	3.3 fc	4.4 fc	2.1 fc	2.1:1	1.6:1

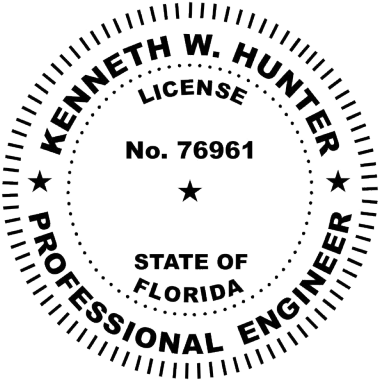
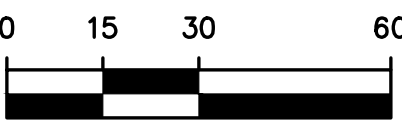
Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Mounting Height
W	W	6	SIGNIFY GARDCO	101L-16L-400-NW-G2-4	101L LED Sconce	(1) LEDgine DRIVEN AT 400mA	1	1011-16l-400-nw-g2-4.ies	2789	0.81	10FT
PL	PL	1	SIGNIFY GARDCO	ECF-S-32L-530-NW-G2-3	EcoForm Area LED SMALL 32 LEDs 4000K CCT TYPE 3 OPTIC	(2) LEDGINE SLD LIGHT ARRAY(S) DRIVEN AT 530mA	1	ecf-s-32l-530-nw-g2-3.ies	7426	0.81	15FT



SITE PHOTOMETRIC PLAN

SCALE: 1" = 30'-0"

GRAPHIC SCALE



This item has been electronically signed and sealed by Kenneth W. Hunter, P.E. on 5/18/21 using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

HUNTER DESIGN AND CONSULTING, INC.
696 1ST AVE N. STE 200
ST. PETERSBURG, FL 33701
352-238-6366
FLORIDA CA #31946, PE #76961

TUCKER-DAVIS
SITE LIGHTING PLAN
CITY OF ALACHUA, FLORIDA

PROJECT INFORMATION	
PROJECT NUMBER:	22026
DRAFTED:	K. NORTHCUTT
DESIGNED:	K. NORTHCUTT
REVIEWED:	K. HUNTER
ISSUE DATE:	5/18/22
REVISIONS	

SHEET NUMBER

E-1

A PORTION OF GOVERNMENT LOTS 2 AND 3 IN SECTION 24, TOWNSHIP 8 SOUTH, RANGE 18 EAST, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA BEING A PART OF "REPLAT OF PROGRESS CENTER", AS PER PLAT THEREOF, RECORDED IN PLAT BOOK "P", PAGES 48 & 49 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA

LEGAL DESCRIPTION:

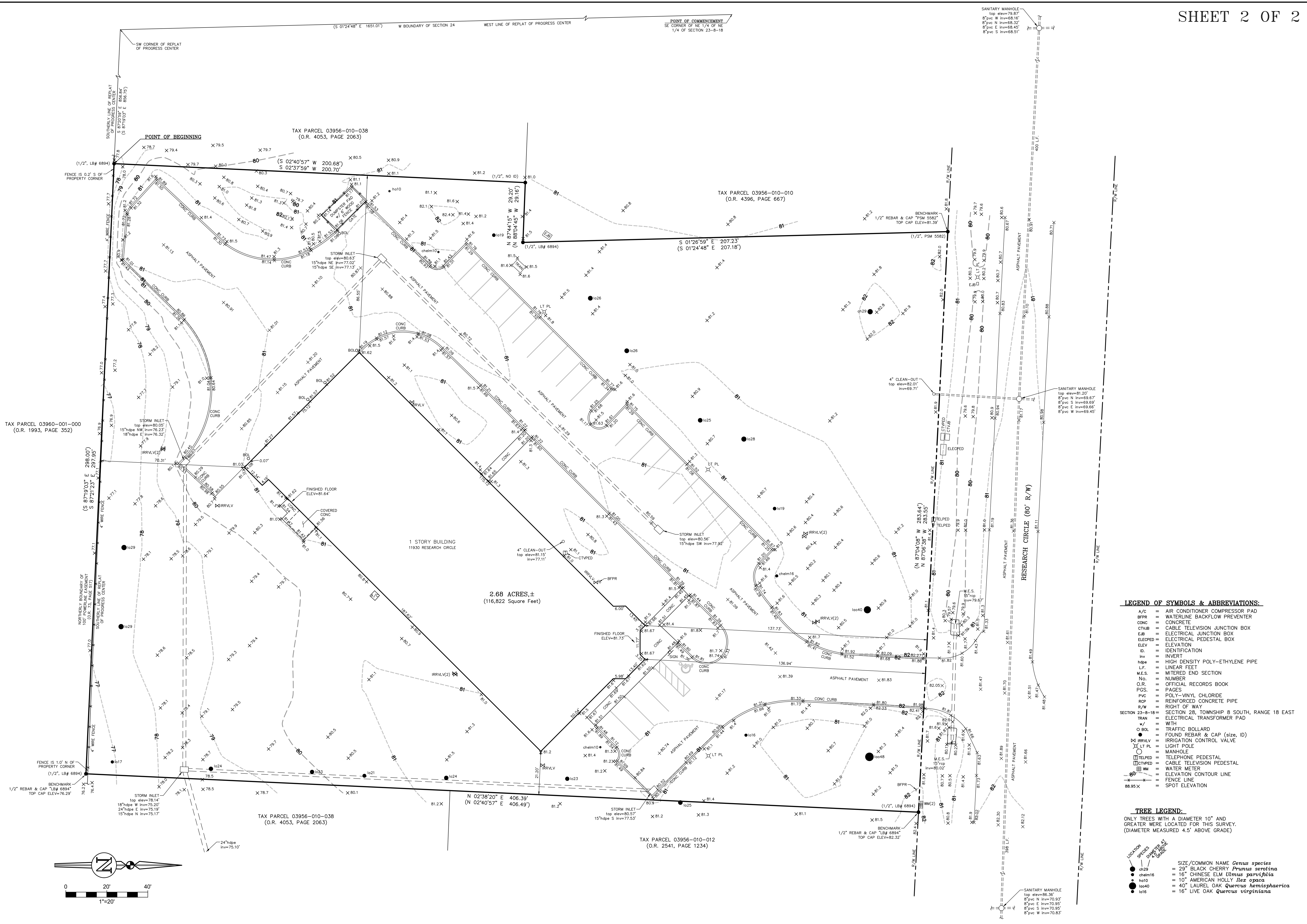
Commence at the southeast corner of northeast 1/4 of northeast 1/4 of Section 23, Township 8 South, Range 18 East, Alachua County, Florida, and run thence South 02°44' East along the west boundary of Section 24, Township 8 South, Range 18 East, Alachua County, Florida, and the west line of "Replat of Progress Center," as shown on the plat of said "Replat of Progress Center," to the intersection of the west line of said "Replat of Progress Center," with the south line of said "Replat of Progress Center," a distance of 1651.01 feet to the southwest corner of said "Replat of Progress Center," thence South 87°19'03" East along the southerly line of said "Replat of Progress Center," 856.75 feet to the POINT OF BEGINNING; thence continue South 87°19'03" East, along said southerly line, 298.00 feet; thence North 02°40'57" East, 406.49 feet to the intersection of the southerly line of said "Replat of Progress Center," with the east line of said "Replat of Progress Center," a distance of 1651.01 feet, thence East 86°07'08" North, 298.00 feet, along said southerly right-of-way line, 833.64 feet to the intersection of said 02°44' East, 207.18 feet; thence North 89°04'45" West, 29.16 feet; thence South 02°40'57" West, 206.68 feet to the POINT OF BEGINNING.

Containing 2.68 acres (116,822 square feet), more or less

NOTES:

- 1) THE ELEVATIONS SHOWN HEREON WERE PROJECTED FROM AN ELEVATION OF 151.07 FEET (NAVD '88 DATUM) ON USGS B.M. STAMPED "15 CWP 1964 151" LOCATED 1.5 MILES SOUTH ALONG CENTERLINE OF COUNTY ROAD S-24 FROM JUNCTION OF STATE HIGHWAY S-235E IN THE NATIONAL GEODETIC SURVEY, 2 FEET W. OF FENCE; 27 FEET N. AND 39 FEET E. OF JUNCTION OF T-Road E. COUNTY, ALABAMA SURVEY PID AR003D.
- 2) BEARINGS AS SHOWN HEREON WERE PROJECTED FROM A BEARING OF S 012°44'48" E ON THE WEST BOUNDARY OF SECTION 24, TOWNSHIP 8 SOUTH, RANGE 18 EAST AND THE WEST LINE OF "REPLAT OF PROGRESS CENTER" AS PER PLAT THEREOF RECORDED IN PLAT BOOK "P", PAGES 48 & 49 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.
- 3) BEARINGS AND DISTANCES SHOWN IN PARENTHESES () REFER TO LEGAL DESCRIPTION WHERE THEY DIFFER FROM FIELD MEASUREMENT.
- 4) DISTANCES SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FEET AND WERE MEASURED ON A HORIZONTAL PLANE.
- 5) THIS SURVEY CONSISTS OF 2 SHEETS AND IS NOT VALID WITHOUT BOTH SHEETS.
- 6) NO UNDERGROUND UTILITIES HAVE BEEN FIELD LOCATED.
- 7) NO SEARCH OF THE PUBLIC RECORDS WAS MADE BY THE SURVEYOR, THEREFORE, THERE MAY BE RESTRICTIONS OTHER THAN THOSE SHOWN HEREON WHICH MAY BE FOUND IN THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. EASEMENTS AND BUILDING SETBACK REQUIREMENTS, OTHER THAN THOSE SHOWN, WERE NOT PROVIDED TO THIS SURVEYOR.

SCALE: 1" = 500'



LEGEND OF SYMBOLS & ABBREVIATIONS:

A/C	AIR CONDITIONER COMPRESSOR PAD
BPR	WATERLINE BACKFLOW PREVENTER
CONC	CONCRETE
CTVAB	CABLE TELEVISION JUNCTION BOX
EJB	ELECTRICAL JUNCTION BOX
ELEPED	ELECTRICAL PEDESTAL BOX
ELEV	ELEVATION
ID	IDENTIFICATION
IN	INVERT
hdp	HIGH DENSITY POLY-ETHYLENE PIPE
L.F.	LINEAR FEET
M.E.S.	METERED END SECTION
NO.	NUMBER
O.R.	OFFICIAL RECORDS BOOK
PGS.	PAGES
PVC	POLY-VINYL CHLORIDE
RCR	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SECTION 23-8-18	SECTION 28, TOWNSHIP 8 SOUTH, RANGE 18 EAST
TRAN	ELECTRICAL TRANSFORMER PAD
W	WITH
○ BOLL	TRAFFIC BOLLARD
○ CTVAB	FOUND REBAR & CAP (size, ID)
○ CTVAB	IRRIGATION CONTROL VALVE
○ LT PL	LIGHT POLE
○ MANHOLE	MANHOLE
○ TELPED	TELEPHONE PEDESTAL
○ WTR MTR	WATER METER
○ ELEV	ELEVATION CONTOUR LINE
○ FENCE	FENCE LINE
○ SPOT	SPOT ELEVATION

TREE LEGEND:

ONLY TREES WITH A DIAMETER 10" AND GREATER WERE LOCATED FOR THIS SURVEY. (DIAMETER MEASURED 4.5' ABOVE GRADE)

LOCATION	SPECIES	DIAMETER AT GRADE
● ch29	29" BLACK CHERRY <i>Prunus serotina</i>	
● chelm16	16" CHINESE ELM <i>Ulmus parvifolia</i>	
● ho10	10" AMERICAN HOLLY <i>Ilex opaca</i>	
● lo40	40" LAUREL OAK <i>Quercus laevis</i>	
● lo16	16" LIVE OAK <i>Quercus virginiana</i>	

FLOOD INSURANCE RATE MAP STATEMENT

THE REAL PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE(S) UNSHADED. THE DESIGNATION OF FLOOD ZONE(S) IS BASED ON THE FLOOD INSURANCE RATE MAP NUMBER 120664 - PANEL 01000 - EFFECTIVE DATE 06/16/06. SAID MAP DESCRIBES ZONE(S) UNSHADED AS BEING AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

eda consultants inc.

720 S.W. 2nd Ave., Suite 300
GAINESVILLE, FLORIDA 32601
www.edafl.com

Project No. 2022-0013.500
Survey Date 02/15/2022
Drawing Completed
Prepared For: 1) SCHERRER CONSTRUCTION

THIS SURVEY MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027 (2021), FLORIDA STATUTES. THIS SURVEY DEPICTS THE SITE CONDITIONS AS OF 02/15/2022.

Sheet No.: V-002

GENERAL NOTES

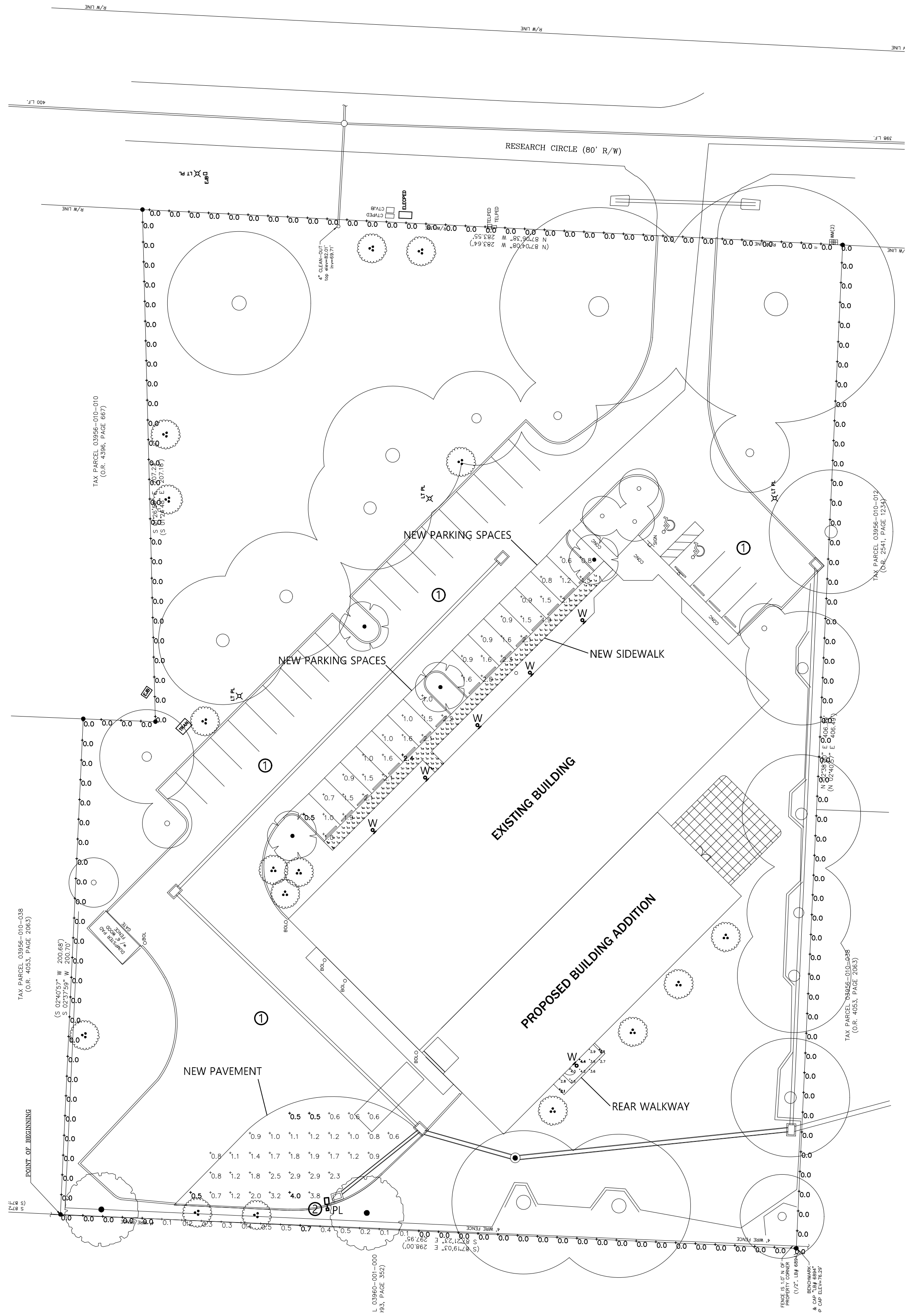
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- FIXTURES WILL BE CONTROLLED WITH PHOTOCELL AND OPERATE DUSK-TO-DAWN.
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PLAN NOTES

- EXISTING TO REMAIN AREAS NOT IN SCOPE OF PHOTOMETRIC STUDY.
- FIXTURE TO BE OUTFITTED WITH HOUSE SIDE SHIELD TO LIMIT LIGHT TRESPASS ALONG PROPERTY LINE.

Photometric Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
NEW PARKING SPACES	+	1.4 fc	2.4 fc	0.5 fc	4.8:1	2.8:1
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NEW PAVEMENT	+	1.5 fc	4.0 fc	0.5 fc	8.0:1	3.0:1
PROPERTY LINE	+	0.0 fc	0.7 fc	0.0 fc	N/A	N/A
REAR WALKWAY	+	3.3 fc	4.4 fc	2.1 fc	2.1:1	1.6:1

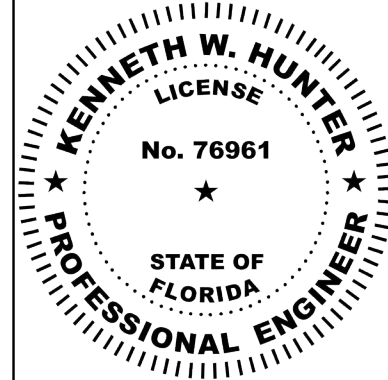
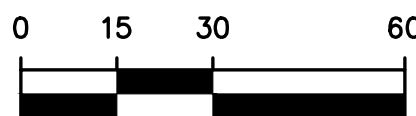
Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Mounting Height
W	W	6	SIGNIFY GARDCO	101L-16L-400-NW-G2-4	101L LED Sconce	(1) LEDgine DRIVEN AT 400mA	1	1011-16l-400-nw-g2-4.ies	2789	0.81	10FT
PL	PL	1	SIGNIFY GARDCO	ECF-S-32L-530-NW-G2-3	EcoForm Area LED SMALL 32 LEDs 4000K CCT TYPE 3 OPTIC	(2) LEDGINE SLD LIGHT ARRAY(S) DRIVEN AT 530mA	1	ecf-s-32l-530-nw-g2-3.ies	7426	0.81	15FT



SITE PHOTOMETRIC PLAN

SCALE: 1" = 30'-0"

GRAPHIC SCALE



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HUNTER DESIGN AND CONSULTING, INC.
696 1ST AVE N. STE 200
ST. PETERSBURG, FL 33701
352-238-6366
FLORIDA CA #31946, PE #76961

TUCKER-DAVIS
SITE LIGHTING PLAN
CITY OF ALACHUA, FLORIDA

PROJECT INFORMATION	
PROJECT NUMBER:	22026
DRAFTED:	K. NORTHCUTT
DESIGNED:	K. NORTHCUTT
REVIEWED:	K. HUNTER
ISSUE DATE:	5/18/22
REVISIONS	

SHEET NUMBER

E-1