



# DEVELOPMENT APPLICATION

City of Rockwall  
Planning and Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75087

STAFF USE ONLY

PLANNING & ZONING CASE NO. \_\_\_\_\_

**NOTE: THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.**

DIRECTOR OF PLANNING: \_\_\_\_\_

CITY ENGINEER: \_\_\_\_\_

PLEASE CHECK THE APPROPRIATE BOX BELOW TO INDICATE THE TYPE OF DEVELOPMENT REQUEST [SELECT ONLY ONE BOX]:

### PLATTING APPLICATION FEES:

- MASTER PLAT (\$100.00 + \$15.00 ACRE) <sup>1</sup>
- PRELIMINARY PLAT (\$200.00 + \$15.00 ACRE) <sup>1</sup>
- FINAL PLAT (\$300.00 + \$20.00 ACRE) <sup>1</sup>
- REPLAT (\$300.00 + \$20.00 ACRE) <sup>1</sup>
- AMENDING OR MINOR PLAT (\$150.00)
- PLAT REINSTATEMENT REQUEST (\$100.00)

### SITE PLAN APPLICATION FEES:

- SITE PLAN (\$250.00 + \$20.00 ACRE) <sup>1</sup>
- AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN (\$100.00)

### ZONING APPLICATION FEES:

- ZONING CHANGE (\$200.00 + \$15.00 ACRE) <sup>1</sup>
- SPECIFIC USE PERMIT (\$200.00 + \$15.00 ACRE) <sup>1 & 2</sup>
- PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE) <sup>1</sup>

### OTHER APPLICATION FEES:

- TREE REMOVAL (\$75.00)
- VARIANCE REQUEST/SPECIAL EXCEPTIONS (\$100.00) <sup>2</sup>

#### NOTES:

<sup>1</sup>: IN DETERMINING THE FEE, PLEASE USE THE EXACT ACREAGE WHEN MULTIPLYING BY THE PER ACRE AMOUNT. FOR REQUESTS ON LESS THAN ONE ACRE, ROUND UP TO ONE (1) ACRE.  
<sup>2</sup>: A \$1,000.00 FEE WILL BE ADDED TO THE APPLICATION FEE FOR ANY REQUEST THAT INVOLVES CONSTRUCTION WITHOUT OR NOT IN COMPLIANCE TO AN APPROVED BUILDING PERMIT.

### PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS 855 Whitmore

SUBDIVISION \_\_\_\_\_

LOT 10

BLOCK A

GENERAL LOCATION \_\_\_\_\_

### ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING \_\_\_\_\_

CURRENT USE \_\_\_\_\_

PROPOSED ZONING \_\_\_\_\_

PROPOSED USE \_\_\_\_\_

ACREAGE \_\_\_\_\_

LOTS [CURRENT] \_\_\_\_\_

LOTS [PROPOSED] \_\_\_\_\_

**SITE PLANS AND PLATS:** BY CHECKING THIS BOX YOU ACKNOWLEDGE THAT DUE TO THE PASSAGE OF HB3167 THE CITY NO LONGER HAS FLEXIBILITY WITH REGARD TO ITS APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY OF STAFF'S COMMENTS BY THE DATE PROVIDED ON THE DEVELOPMENT CALENDAR WILL RESULT IN THE DENIAL OF YOUR CASE.

### OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

OWNER Salvador Salcedo

APPLICANT Salvador Salcedo

CONTACT PERSON \_\_\_\_\_

CONTACT PERSON \_\_\_\_\_

ADDRESS 210 Cedar Tree Ln

ADDRESS 210 Cedar Tree Ln

CITY, STATE & ZIP Heath Tx 75032

CITY, STATE & ZIP Heath Tx 75032

PHONE 214 552 2008

PHONE 214 552 2008

E-MAIL salvasalce@novaairac.com

E-MAIL salvasalce@novaairac.com

### NOTARY VERIFICATION [REQUIRED]

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED Salvador Salcedo [OWNER] THE UNDERSIGNED, WHO STATED THE INFORMATION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE FOLLOWING:

"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF \$ 210.00 TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE 15 DAY OF September, 2023 BY SIGNING THIS APPLICATION, I AGREE THAT THE CITY OF ROCKWALL (I.E. "CITY") IS AUTHORIZED AND PERMITTED TO PROVIDE INFORMATION CONTAINED WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY IS ALSO AUTHORIZED AND PERMITTED TO REPRODUCE ANY COPYRIGHTED INFORMATION SUBMITTED IN CONJUNCTION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS ASSOCIATED OR IN RESPONSE TO A REQUEST FOR PUBLIC INFORMATION."

GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE 15 DAY OF September, 2023

OWNER'S SIGNATURE \_\_\_\_\_

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS



THERESA L. MOSS  
Notary ID #130926177  
My Commission Expires  
December 8, 2024

MY COMMISSION EXPIRES 12-08-2024





SP2023-032: Site Plan for 855 Whitmore Drive



Case Location Map = 



# City of Rockwall

Planning & Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75087  
(P): (972) 771-7745  
(W): www.rockwall.com

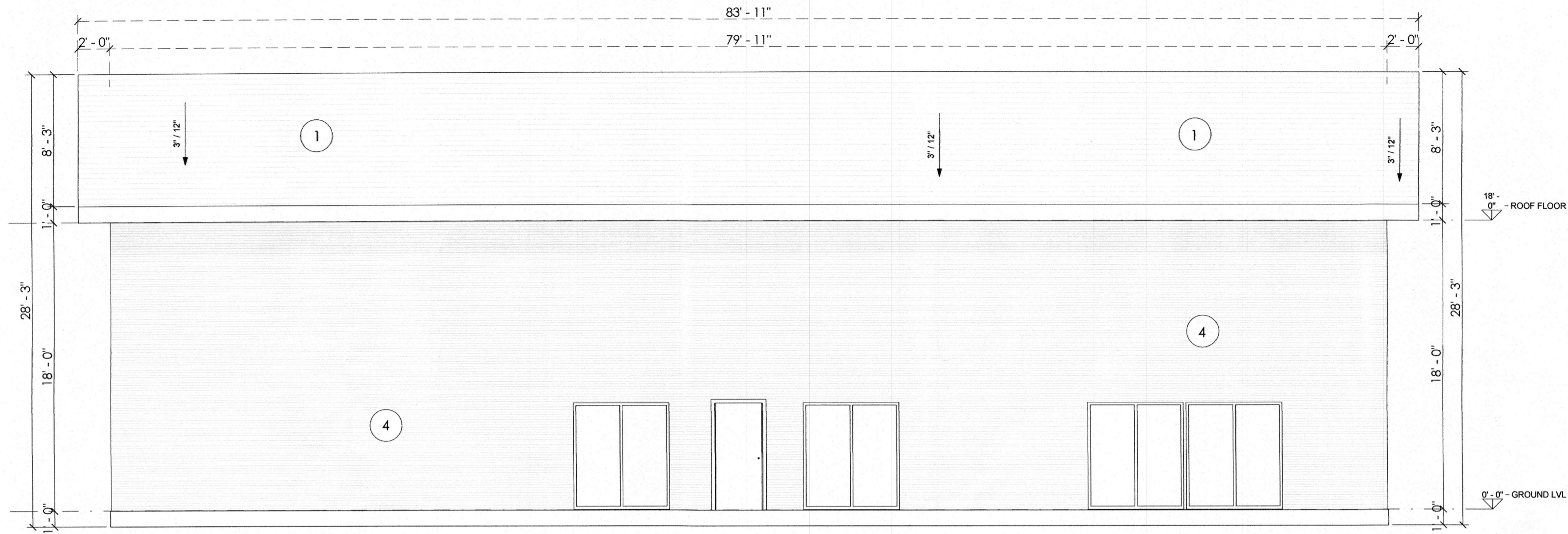
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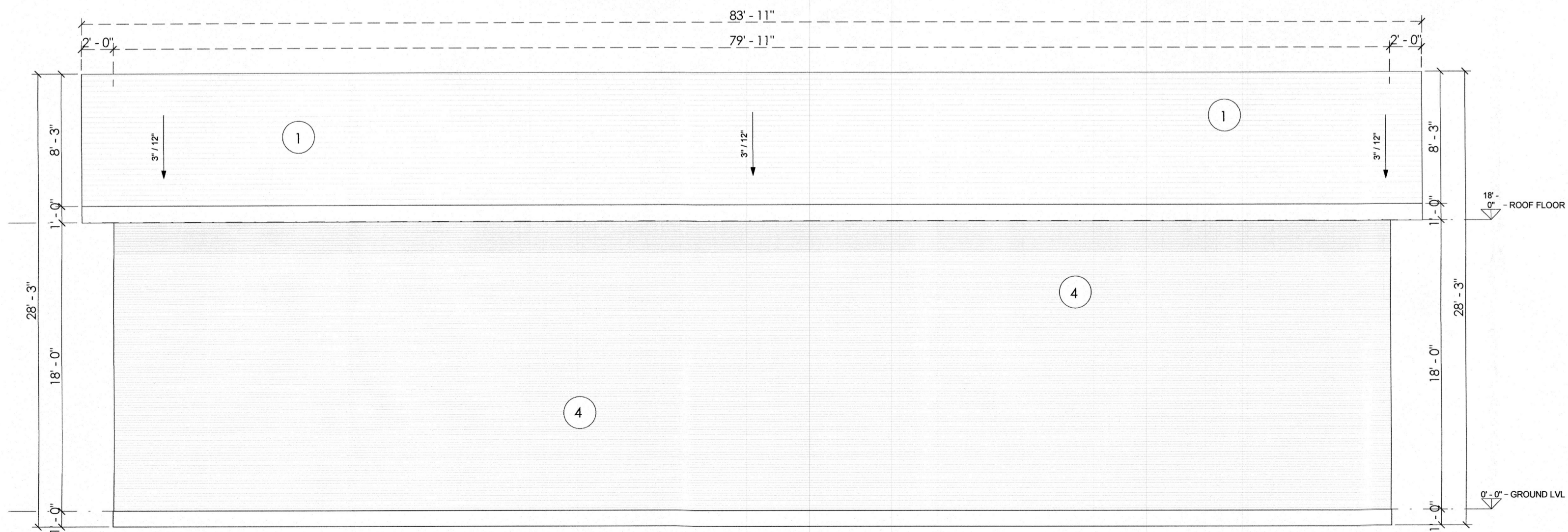






### FRONT ELEVATION

1/4" = 1' 0"




### REAR ELEVATION

1/4" = 1' 0"

**PROJECT:**  
NEW COMERCIAL  
AIR CONDITIONING EQUIPMENT STORAGE

**OWNER:**  
SALVADOR SALCEDO  
NOVA AIR LLC

**LOCATION:**  
855 WHITMORE DRIVE,  
ROCKWALL, TX



**Gamma Group, Design & Construction LLC**  
33 09 ELM ST # 250, Dallas Texas, 75228  
www.gammagroup-usa.com  
(469)-583-7174 & (469)-463-2761

THESE DOCUMENTS ARE INSTRUMENTS OF THE DESIGNER'S SERVICE FOR USE SOLELY ON THE SPECIFIC PROJECT INDICATED HEREIN. ANY UNAUTHORIZED COPYING OR USE, INCLUDING WITHOUT LIMITATIONS, COPYING FOR USE ON ANY PROJECT OTHER THAN THE ONE INDICATED HEREIN IS STRICTLY PROHIBITED. THE DESIGNER IS THE AUTHOR AND OWNER OF THESE DOCUMENTS, THE DESIGN CONCEPTS, IDEAS AND EXPRESSIONS THERE OF SHOWN IN THE DOCUMENTS. THE DESIGNER RETAINS ALL COMMON LAW, STATUTORY, AND OTHER RESERVED RIGHTS IN THEM, INCLUDING COPYRIGHTS. ANY VIOLATION OF THE DESIGNER'S RIGHTS, INCLUDING, WITHOUT LIMITATIONS, THOSE OF CONFIDENTIALITY AND OF THE COPYRIGHT LAWS IS SUBJECT TO LEGAL ACTION.

**ENGINEERING GENERAL NOTES**

GAMMA GROUP, WE ARE NOT AN ENGINEERING FIRM, WE DO NOT QUALIFY TO BE ONE, NOT ARE WE LICENSED TO DESIGN STRUCTURAL FRAMING, WINDBRACING OR FOUNDATION, A LICENSED PROFESSIONAL ENGINEER SHOULD BE CONTRACTED AND CONSULTED IMMEDIATELY REGARDING FRAMING, WINDBRACING, AND THE FOUNDATION DESIGN. SHOULD AN ENGINEER'S SEAL BE PRESENT ON THESE DRAWINGS, THE "ENGINEER OF RECORD" SHALL BEAR ALL RESPONSIBILITY FOR THE STRUCTURE, WINDBRACING AND FOUNDATION DESIGN FOR THIS PROJECT. THE DESIGNER IS NOT TO BE HELD RESPONSIBLE FOR THE STRUCTURAL DESIGN IN ANY WAY, MATTER, OR FORM IF ANY PROBLEMS MAY ARISE.

**NOTE:**  
GENERAL CONTRACTOR SHALL HAVE THIS FOUNDATION PLAN DESIGN BY A TEXAS REGISTERED ENGINEER TO MEET SOIL TESTS REQUIREMENTS.

THE DESIGNER ASSUMES NO LIABILITY FOR ANY STRUCTURE CONSTRUCTED FROM THIS PLAN IT IS THE RESPONSIBILITY OF PURCHASER, OF THIS PLAN, TO PERFORM THE FOLLOWING BEFORE ACTUAL CONSTRUCTION COMMENCES:

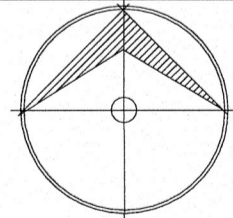
1. BUILDER OR CONTRACTOR MUST VERIFY ALL DIMENSIONS PRIOR PROCEEDING WITH CONSTRUCTION.
2. BUILDER OR CONTRACTOR MUST VERIFY COMPLIANCE WITH ALL BUILDING CODES OF THE AREA WHERE THE STRUCTURE IS TO BE CONSTRUCTED AND LOCATED.
3. PLANS INDICATE LOCATIONS ONLY; ENGINEERING ASPECT SHOULD BE INCORPORATED TO ACTUAL SITE CONDITIONS.

**CONTRACTOR NOTES**

THIS PLAN INCLUDING ALL DESIGN CONCEPTS, DRAWINGS, AND DETAILS CONTAINED HEREIN SHALL REMAIN THE SOLE PROPERTY OF GAMMA GROUP AND CAN NOT BE DUPLICATED IN PART OR IN WHOLE WITHOUT THE PRIOR WRITTEN PERMISSION OF GAMMA GROUP WORKING DRAWINGS SHALL NOT BE SCALED BEFORE PROCEEDING WITH ANY WORK OR ORDERING OF MATERIALS THE BUILDER AND/OR SUBCONTRACTORS SHALL VERIFY ALL NOTES AND MEASUREMENTS ANY DISCREPANCIES IN OR OMISSIONS FROM THE WORKING DRAWING SHALL BE REPORTED TO THE BUILDER AND DESIGNER.

MATERIALS	
SYMBOL	SPECIFICATION
1	METAL STANDING SEAM
2	STONE
3	STUCCO
4	COMMERCIAL SIDING
5	WOOD
6	GLASS
7	STEEL
8	ASPHALT SHINGLES
9	BRICK

**DIRECTION:**



REV. NO.	DATE	COMMENTS

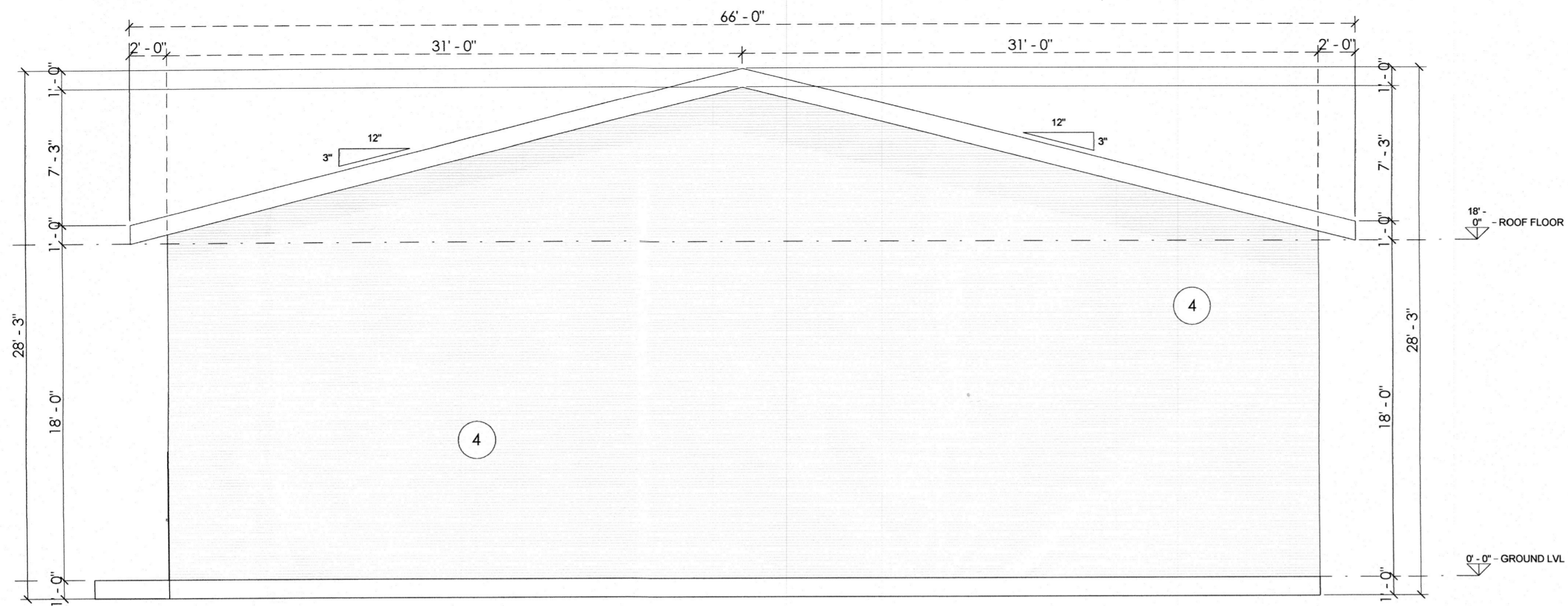
**EXPIRATION DATE:**  
PAPER SIZE 36X24

**PLAN:**  
ELEVATIONS

**DATE:** 09/08/2023  
**DRAWN BY:** F.G.M.

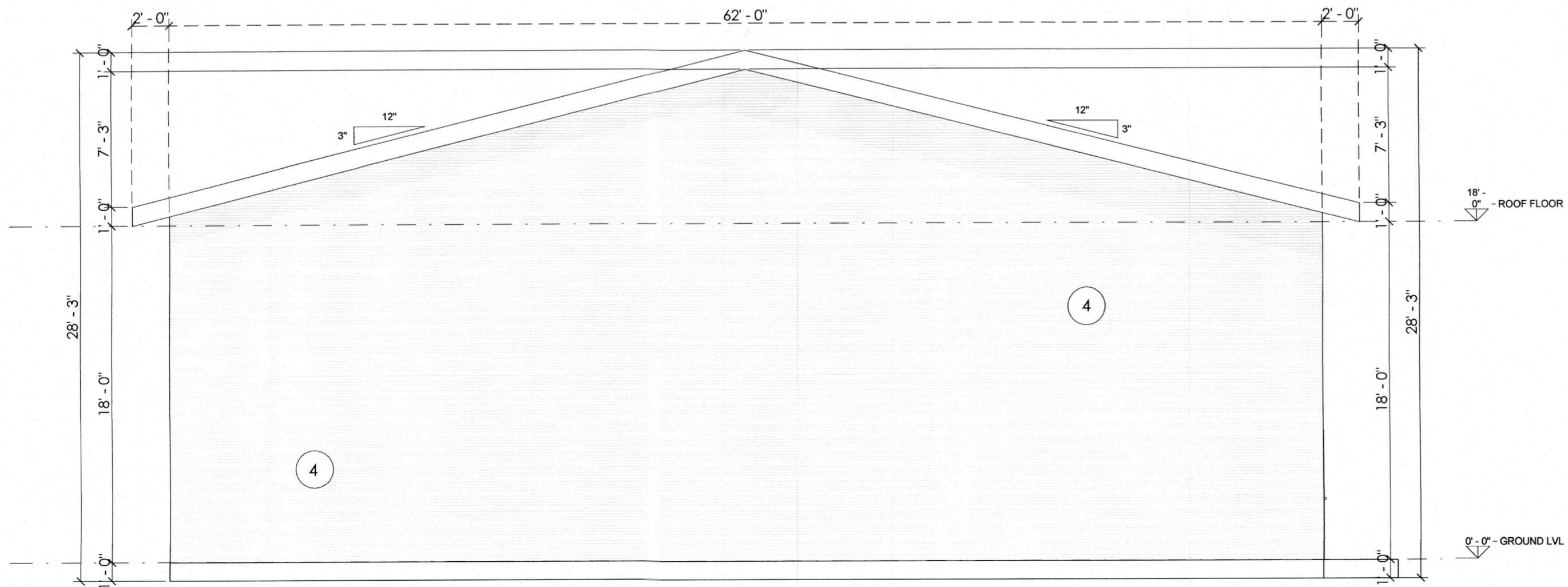
**A3**  
SHEET 07 OF 08





1/4" = 1' 0"

ELEVATION



1/4" = 1' 0"

ELEVATION

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NEW COMERCIAL  
AIR CONDITIONING EQUIPMENT STORAGE

OWNER:  
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LOCATION:  
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NOTE:  
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THE DESIGNER ASSUMES NO LIABILITY FOR ANY STRUCTURE CONSTRUCTED FROM THIS PLAN. IT IS THE RESPONSIBILITY OF THE PURCHASER OF THIS PLAN, TO PERFORM THE FOLLOWING BEFORE ACTUAL CONSTRUCTION COMMENCES:  
1- BUILDER OR CONTRACTOR MUST VERIFY ALL DIMENSIONS PRIOR PROCEEDING WITH CONSTRUCTION.  
2- BUILDER OR CONTRACTOR MUST VERIFY COMPLIANCE WITH ALL BUILDING CODES OF THE AREA WHERE THE STRUCTURE IS TO BE CONSTRUCTED AND LOCATED.  
13- PLANS INDICATE LOCATIONS ONLY; ENGINEERING ASPECT SHOULD BE INCORPORATED TO ACTUAL SITE CONDITIONS.

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MATERIALS	
SYMBOL	SPECIFICATION
1	METAL STANDING SEAM
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DIRECTION:  


REV. NO.	DATE	COMMENTS

EXPIRATION DATE:  
PAPER SIZE 36X24

PLAN:  
**ELEVATIONS**

DATE: 09/08/2023  
DRAW BY: F.G.M.

**A3.1**  
SHEET 08 OF 08



### GENERAL GRADING AND PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN)
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
  - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +10. OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
  - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
  - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
  - ENSURE THAT THE FINISH GRADE IN SHARE AREAS IMMEDIATELY ADJACENT TO US AND OTHER WALKING SURFACE, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH SURFACE, IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALES.
  - ENSURE THAT THE FINISH GRADE IN SHARE AREAS IMMEDIATELY ADJACENT TO ALIS AND OTHER WALKING SURFACE, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH SURFACE, IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALES.
  - ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALK AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 1" BELOW THE FINISH GRADE OF THE WALKS, TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 19" AWAY FROM THE WALKS.
- SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH EMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
  - ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (E. MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC)
    - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES: PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUND COVER PATTERNS) SHALL TAKE PRECEDENCE.
    - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VA PROPER CHANNELS).
    - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 50 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

#### MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDED AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

#### ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.

#### IRRIGATION CONCEPT

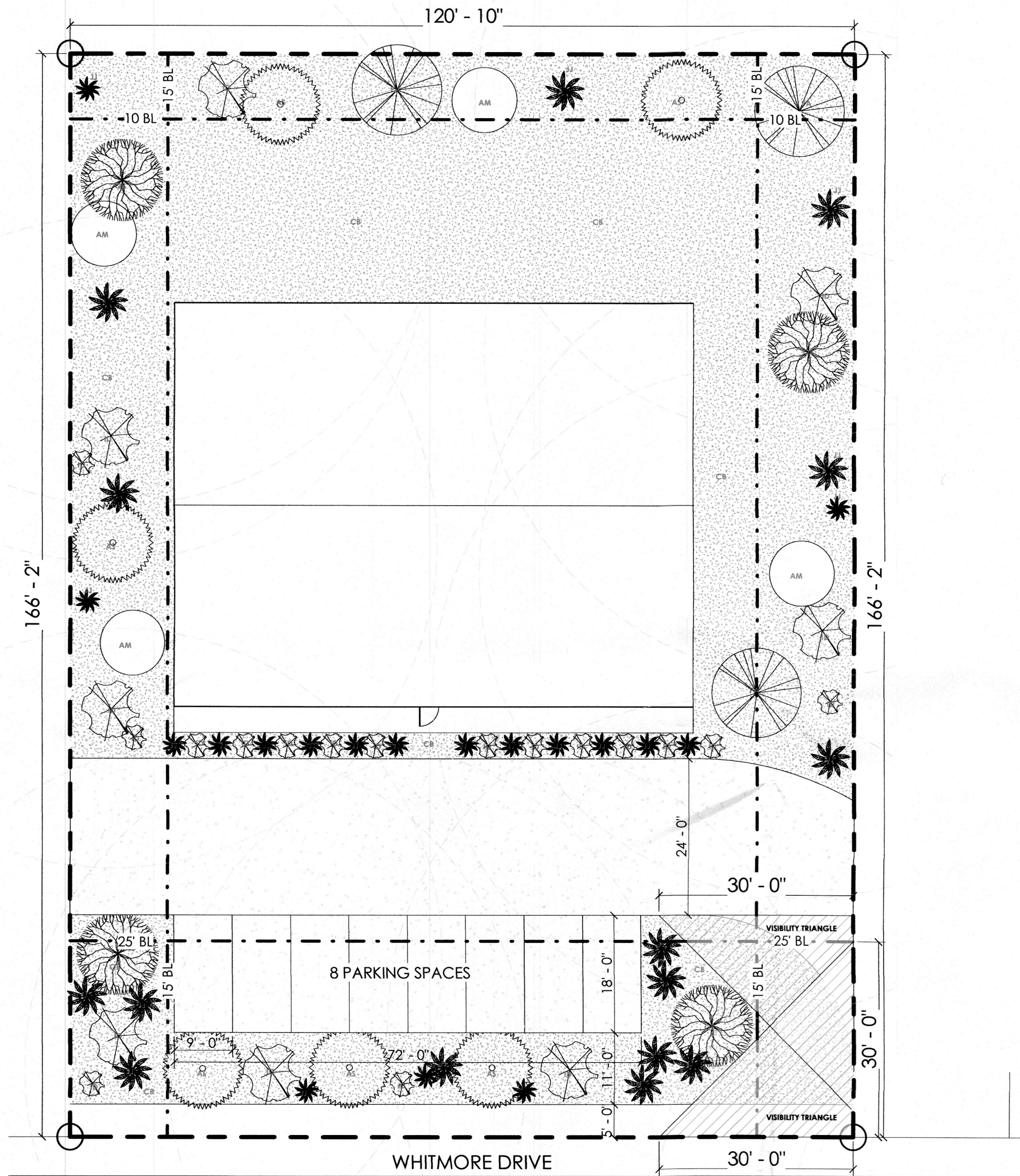
- AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL BY THE TIME OF FINAL INSPECTION. THE ENTIRE IRRIGATION SYSTEM SHALL BE INSTALLED BY A LICENSED AND QUALIFIED IRRIGATION CONTRACTOR.
- THE IRRIGATION SYSTEM WILL OPERATE ON POTABLE WATER, AND THE SYSTEM WILL HAVE APPROPRIATE BACKFLOW PREVENTION DEVICES INSTALLED TO PREVENT CONTAMINATION OF THE POTABLE SOURCE.
- ALL NON-TURF PLANTED AREAS SHALL BE DRIP IRRIGATED. SODDED AND SEEDED AREAS SHALL BE IRRIGATED WITH SPRAY OR ROTOR HEADS AT 100% HEAD-TO-HEAD COVERAGE.
- ALL PLANTS SHARING SIMILAR HYDROZONE CHARACTERISTICS SHALL BE PLACED ON A VALVE DEDICATED TO PROVIDE THE NECESSARY WATER REQUIREMENTS SPECIFIC TO THAT HYDROZONE.
- THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED, TO THE MAXIMUM EXTENT POSSIBLE, TO CONSERVE WATER BY USING THE FOLLOWING DEVICES AND SYSTEMS: MATCHED PRECIPITATION RATE TECHNOLOGY ON ROTOR AND SPRAY HEADS (WHEREVER POSSIBLE), RAIN SENSORS, AND MULTI-PROGRAM COMPUTERIZED IRRIGATION CONTROLLERS FEATURING SENSORY INPUT CAPABILITIES.
- ALL IRRIGATION SHALL MEET THE REQUIREMENTS OF THE CITY OF ROCKWALL'S UDC (SUBSECTION 05.04, OF ARTICLE 08)

### LANDSCAPE STANDARDS

<b>05.02 LANDSCAPE REQUIREMENTS LIGHT INDUSTRIAL (L) DISTRICT.</b>	
TOTAL SITE AREA: LANDSCAPE AREA REQUIRED TOTAL SITE: LANDSCAPE PROVIDED, TOTAL SITE:	316,602 SQ. FT. 2,490 SQ. FT. (15%) 9,924 SQ. FT. (59%)
LOCATION OF LANDSCAPING:	A MINIMUM OF 100% OF THE TOTAL REQUIRED LANDSCAPING SHALL BE LOCATED IN FRONT OF AND ALONG THE SIDE OF BUILDINGS WITH STREET FRONTS 2,490 SQ. FT. X 100% = 2,490 SQ. FT.
LANDSCAPE AREAS IN FRONT & SIDES OF BUILDINGS:	9,061 SQ. FT. (36%)
MIN. SIZE OF AREAS	ALL REQUIRED LANDSCAPING SHALL BE NO LESS THAN FIVE (5) FEET WIDE AND BE A MINIMUM OF 25 SF IN AREA UNLESS IT IS WITHIN TEN (10) FEET OF A BUILDING ON THE SAME LOT.
DETENTION BASIN:	DETENTION BASINS SHALL BE LANDSCAPED IN A NATURAL MANNER USING GROUND COVER, GRASSES, SHRUBS, BERMS, AND ACCENT AND CANOPY TREES. THERE SHALL BE A MINIMUM OF ONE (1) CANOPY TREE PER 750 SF AND ONE (1) ACCENT TREE PER 1,500 SF OF DETENTION AREA.
PROPOSED DETENTION BASIN:	2,250 SQ. FT.
CANOPY TREES PROVIDED:	2,250 SQ. FT. / 750 SQ. FT. = 3 CANOPY TREE
ACCENT TREES PROVIDED:	2,250 SQ. FT. / 1,500 SQ. FT. = 2 ACCENT TREE
PARKING LOT LANDSCAPING	PARKING LOTS WITH MORE THAN TWO (2) ROWS OF PARKING SPACES (E. ONE (1) DRIVE ISLE WITH ROWS OF PARKING ON EITHER SIDE) SHALL HAVE A MINIMUM FOR FIVE (5%) PERCENT OR 200 SF OF LANDSCAPING - WHICHEVER IS GREATER - IN THE INTERIOR OF THE PARKING LOT AREA. SUCH LANDSCAPING SHALL BE COUNTED TOWARD THE TOTAL REQUIRED LANDSCAPING.
PROPOSED PARKING AREA: REQ. PARKING AREA LANDSCAPING: PROPOSED PARKING LOT LANDSCAPING:	1,246 SQ. FT. 60 SQ. FT. OR 200 SQ. FT. 1,400 SQ. FT.
PARKING SPACES:	(1) LARGE CANOPY TREE FOR EVERY TEN (10) PARKING SPACES SHALL BE REQUIRED TO BE PLANTED INTERNAL TO THE PARKING AREAS. (3) NO TREE SHALL BE PLANTED CLOSER THAN FIVE (5) FEET TO THE EDGE OF PAVEMENT
TREES REQUIRED: TREES PROVIDED:	1 LARGE CANOPY TREE 2 LARGE CANOPY TREE
<b>05.02 LANDSCAPE BUFFERS - NON-RESIDENTIAL</b>	
REQ. ABUTTING A PUBLIC RIGHT-OF-WAY:	INDUSTRIAL/OFFICE/TECHNOLOGY LAND USES: 50-FOOT ALL LANDSCAPE BUFFERS SHALL INCORPORATE GROUND COVER, A BUILT-UP BERM AND SHRUBBERY OR A COMBINATION THEREOF ALONG THE ENTIRE LENGTH OF THE FRONTAGE. BERMS AND SHRUBBERY SHALL EACH HAVE MINIMUM HEIGHT OF 30-INCHES AND A MAXIMUM HEIGHT OF 48-INCHES. IN ADDITION: TWO (2) CANOPY TREES FOUR (4) ACCENT TREES SHALL BE PLANTED PER 100-FOOT OF LINEAR FRONTAGE ALONG THE PRIMARY ROADWAY.
RANCH TRAIL: 420' STREET FRONTAGE REQUIRED PLANTING: PROVIDED 10' BUFFER: SHRUBS	
BASED ON CITY OF ROCKWALL   UNIFIED DEVELOPMENT CODE	

### PLANT SCHEDULE

CODE	TREES	QTY	BOTANICAL / COMMON NAME	CAL	CONT.	SIZE
QB		4	QUERCUS MACROCARPA / BUR OAK	4" CAL	CONT.	14' MIN
AM		4	ACER SACCHARUM 'CADD0' / CADD0 MAPLE	4" CAL	CONT.	12' MIN
PA		3	PINUS ELDARICA / AFGHAN PINE	4" CAL	CONT.	12' MIN
AS		6	ACER TRUNCATUM / SHANTUNG MAPLE	4" CAL	CONT.	12' MIN
CODE	SHRUBS	QTY	BOTANICAL / COMMON NAME	CONTAINER	SPACING	SIZE
ID		16	ILEX VOMITORIA 'NANA' / DWARF YAUPON HOLLY	5 GAL.	36" OC	24" MIN
JJ		33	JUNIPERUS SP. / JUNIPER	5 GAL.	36" OC	24" MIN
CODE	GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT.	SPACING	SIZE
CB		9,924 SQ. FT.	CYNODON DACTYLON / BERMUDA GRASS	SOND		



### LANDSCAPE PLAN

3/32" = 1' 0"

SITE PLANE DATE	
SIZE OF LOT	16,602 SQ. FT.
BUILDING	4,960 SQ. FT.
LANDSCAPE AREA REQUIRED TOTAL SITE:	2,490 SQ. FT. (15%)
LANDSCAPE PROVIDED, TOTAL SITE:	9,924 SQ. FT. (59%)
DRIVEWAY	2,974 SQ. FT.
PARKING	1,296 SQ. FT.
TOTAL COVERED AREA	9,230 SQ. FT.
COVERAGE PERCENT	56%

PROJECT: NEW COMERCIAL  
AIR CONDITIONING EQUIPMENT STORAGE

OWNER: SALVADOR SALCEDO  
NOVA AIR LLC

LOCATION: 855 WHITMORE DRIVE,  
ROCKWALL, TX



Gamma Group, Design & Construction LLC  
33 09 ELM ST # 250, Dallas Texas, 75228  
www.gammagroup-usa.com  
(469)-583-7174 & (469)-463-2761

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#### ENGINEERING GENERAL NOTES

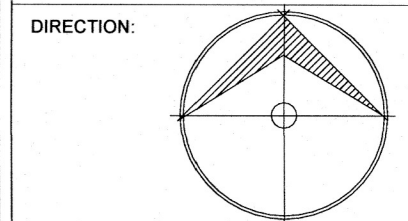
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REV. NO.	DATE	COMMENTS

EXPIRATION DATE:

PAPER SIZE 36X24

PLAN:

### LANDSCAPE PLANTING PLAN

DATE: 09/08/2023

DRAW BY: F.G.M

LP1

SHEET 03 OF 08



**TREE PROTECTION SPECIFICATIONS**

**MATERIALS**

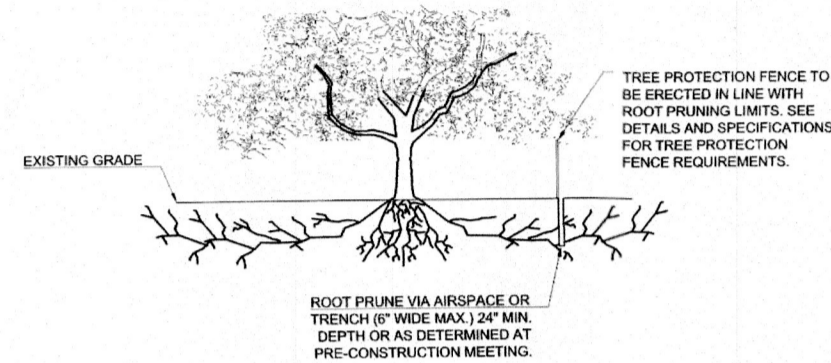
- FABRIC: 4 FOOT HIGH ORANGE PLASTIC FENCING AS SHOWN ON THE PLANS AND SHALL BE WOVEN WITH 2 INCH MESH OPENINGS SUCH THAT IN A VERTICAL DIMENSION OF 23 INCHES ALONG THE DIAGONALS OF THE OPENINGS THERE SHALL BE AT LEAST 7 MESHES.
- POSTS: POSTS SHALL BE A MINIMUM OF 72 INCHES LONG AND STEEL T-SHAPED WITH A MINIMUM WEIGHT OF 1.3 POUNDS PER LINEAR FOOT.
- TIE WIRE FOR ATTACHING THE FABRIC TO THE T-POSTS SHALL BE NOT LESS THAN NO. 12 GAUGE GALVANIZED WIRE.
- USED MATERIALS: PREVIOUSLY-USED MATERIALS, MEETING THE ABOVE REQUIREMENTS AND WHEN APPROVED BY THE OWNER, MAY BE USED.

**CONSTRUCTION METHODS**

- ALL TREES AND SHRUBS SHOWN TO REMAIN WITHIN THE PROXIMITY OF THE CONSTRUCTION SITE SHALL BE PROTECTED PRIOR TO BEGINNING ANY DEVELOPMENT ACTIVITY.
- EMPLOY THE SERVICES OF AN ISA (INTERNATIONAL SOCIETY OF ARBORICULTURE) CERTIFIED ARBORIST AND OBTAIN ALL REQUIRED PERMITS TO PRUNE THE EXISTING TREES FOR CLEANING, RAISING AND THINNING, AS MAY BE REQUIRED.
- PROTECTIVE FENCING SHALL BE ERECTED OUTSIDE THE CRITICAL ROOT ZONE (CRZ) EQUAL TO FROM THE TRUNK FOR EVERY 1° OF DEH) AT LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE LANDSCAPE CONSULTANT AND/OR CITY ARBORIST, AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS. FENCING SHALL BE MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION. TREES IN CLOSE PROXIMITY SHALL BE FENCED TOGETHER, RATHER THAN INDIVIDUALLY.
- PROTECTIVE FENCE LOCATIONS IN CLOSE PROXIMITY TO STREET INTERSECTIONS OR DRIVES SHALL ADHERE TO THE APPLICABLE JURISDICTION'S SIGHT DISTANCE CRITERIA.
- THE PROTECTIVE FENCING SHALL BE ERECTED BEFORE SITE WORK COMMENCES AND SHALL REMAIN IN PLACE DURING THE ENTIRE CONSTRUCTION PHASE. THE INSTALLATION POSTS SHALL BE PLACED EVERY 5 FEET ON CENTER AND EMBEDDED TO 18 INCHES DEEP. MESH FABRIC SHALL BE ATTACHED TO THE INSTALLATION POSTS BY THE USE OF SUFFICIENT WIRE TIES TO SECURELY FASTEN THE FABRIC TO THE T-POSTS TO HOLD THE FABRIC IN A STABLE AND UPRIGHT POSITION.
- WITHIN THE CRZ.
  - DO NOT CLEAR, FILL OR GRADE IN THE CRZ OF ANY TREE.
  - DO NOT STORE, STOCKPILE OR DUMP ANY JOB MATERIAL, SOIL OR RUBBISH UNDER THE SPREAD OF THE TREE BRANCHES.
  - DO NOT PARK OR STORE ANY EQUIPMENT OR SUPPLIES UNDER THE TREE CANOPY. DO NOT SET UP ANY CONSTRUCTION OPERATIONS UNDER THE TREE CANOPY (SUCH AS PIPE CUTTING AND THREADING, MORTAR MIXING, PAINTING OR LUMBER CUTTING).
  - DO NOT NAIL OR ATTACH TEMPORARY SIGNS, METERS, SWITCHES, WIRES, BRACING OR ANY OTHER ITEM TO THE TREES.
  - DO NOT PERMIT RUNOFF FROM WASTE MATERIALS INCLUDING, SOLVENTS, CONCRETE WASHOUTS, ASPHALT TACK COATS (M/C-30 OIL), ETC. TO ENTER THE CRZ. BARRIERS ARE TO BE PROVIDED TO PREVENT SUCH RUNOFF SUBSTANCES FROM ENTERING THE CRZ WHENEVER POSSIBLE, INCLUDING IN AN AREA WHERE RAIN OR SURFACE WATER COULD CARRY SUCH MATERIALS TO THE ROOT SYSTEM OF THE TREE.
  - ROUTE UNDERGROUND UTILITIES TO AVOID THE CRZ. IF DIGGING IS UNAVOIDABLE, BORE THE ROOTS, OR HAND DIG TO AVOID SEVERING THEM.
  - WHERE EXCAVATION IN THE VICINITY OF TREES MUST OCCUR, SUCH AS FOR IRRIGATION INSTALLATION, PROCEED WITH CAUTION, AND USING HAND TOOLS ONLY.
  - THE CONTRACTOR SHALL NOT CUT ROOTS LARGER THAN ONE INCH IN DIAMETER WHEN EXCAVATION OCCURS NEAR EXISTING TREES. ALL ROOTS LARGER THAN ONE INCH IN DIAMETER ARE TO BE CUT CLEANLY. FOR OAKS ONLY, ALL WOUNDS SHALL BE PAINTED WITH WOUND SEALER WITHIN 30 MINUTES.
  - REMOVE ALL TREES, SHRUBS OR BUSHES TO BE CLEARED FROM PROTECTED ROOT ZONE AREAS BY HAND.
  - TREES DAMAGED OR KILLED DUE TO CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED AT THE CONTRACTOR'S EXPENSE AND TO THE PROJECT OWNER'S AND LOCAL JURISDICTION'S SATISFACTION.
  - ANY TREE REMOVAL SHALL BE APPROVED BY THE OWNER AND LOCAL JURISDICTION PRIOR TO ITS REMOVAL, AND THE CONTRACTOR SHALL HAVE ALL REQUIRED PERMITS FOR SUCH ACTIVITIES.
  - COVER EXPOSED ROOTS AT THE END OF EACH DAY WITH SOIL, MULCH OR WET BURLAP.
  - IN CRITICAL ROOT ZONE AREAS THAT CANNOT BE PROTECTED DURING CONSTRUCTION AND WHERE HEAVY TRAFFIC IS ANTICIPATED, COVER THE SOIL WITH EIGHT INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION. THIS EIGHT INCH DEPTH OF MULCH SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
  - WATER ALL TREES IMPACTED BY CONSTRUCTION ACTIVITIES, DEEPLY ONCE A WEEK DURING PERIODS OF HOT DRY WEATHER. SPRAY TREE CROWNS WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
  - WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE SOIL.
  - CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TREE PROTECTION FENCING WHEN ALL THREATS TO THE EXISTING TREES FROM CONSTRUCTION RELATED ACTIVITIES HAVE BEEN REMOVED.

**TREE PROTECTION GENERAL NOTES**

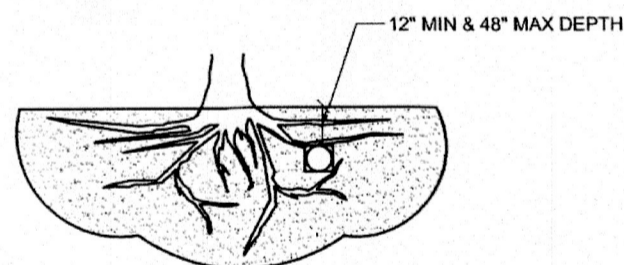
- PRIOR TO THE LAND CLEARING STAGE OF DEVELOPMENT, THE CONTRACTOR SHALL CLEARLY MARK ALL PROTECTED TREES FOR WHICH A TREE REMOVAL PERMIT HAS NOT BEEN ISSUED AND SHALL ERECT BARRIERS FOR THE PROTECTION OF THE TREES ACCORDING TO THE FOLLOWING:
  - AROUND AN AREA AT OR GREATER THAN A SIX-FOOT RADIUS OF ALL SPECIES OF MANGROVES AND PROTECTED CABBAGE PALMS;
  - AROUND AN AREA AT OR GREATER THAN THE FULL DRIPLINE OF ALL PROTECTED NATIVE PINES;
  - AROUND AN AREA AT OR GREATER THAN TWO-THIRDS OF THE DRIPLINE OF ALL OTHER PROTECTED SPECIES.
- NO PERSON SHALL ATTACH ANY SIGN, NOTICE OR OTHER OBJECT TO ANY PROTECTED TREE OR FASTEN ANY WIRES, CABLES, NAILS OR SCREWS TO ANY PROTECTED TREE IN ANY MANNER THAT COULD PROVE HARMFUL TO THE PROTECTED TREE, EXCEPT AS NECESSARY IN CONJUNCTION WITH ACTIVITIES IN THE PUBLIC INTEREST.
- DURING THE CONSTRUCTION STAGE OF DEVELOPMENT, THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE CLEANING OF EQUIPMENT OR MATERIAL WITHIN THE OUTSIDE PERIMETER OF THE CROWN (DRIPLINE) OR ON THE NEARBY GROUND OF ANY TREE OR GROUP OF TREES WHICH IS TO BE PRESERVED. WITHIN THE OUTSIDE PERIMETER OF THE CROWN (DRIPLINE) OF ANY TREE OR ON NEARBY GROUND, THE CONTRACTOR SHALL NOT CAUSE OR PERMIT STORAGE OF BUILDING MATERIAL AND/OR EQUIPMENT, OR DISPOSAL OF WASTE MATERIAL SUCH AS PAINTS, OIL, SOLVENTS, ASPHALT, CONCRETE, MORTAR OR ANY OTHER MATERIAL HARMFUL TO THE LIFE OF THE TREE.
- NO PERSON SHALL PERMIT ANY UNNECESSARY FIRE OR BURNING WITHIN 30 FEET OF THE DRIPLINE OF A PROTECTED TREE.
- ANY LANDSCAPING ACTIVITIES WITHIN THE BARRIER AREA SHALL BE ACCOMPLISHED WITH HAND LABOR.
- PRIOR TO ISSUING A CERTIFICATE OF OCCUPANCY OR COMPLIANCE FOR ANY DEVELOPMENT, BUILDING OR STRUCTURE, ALL TREES DESIGNATED TO BE PRESERVED THAT WERE DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR WITH TREES OF EQUIVALENT DIAMETER AT BREAST HEIGHT TREE CALIPER AND OF THE SAME SPECIES AS SPECIFIED BY THE CITY ADMINISTRATOR, BEFORE OCCUPANCY OR USE, UNLESS APPROVAL FOR THEIR REMOVAL HAS BEEN GRANTED UNDER PERMIT.
- THE CITY ADMINISTRATOR MAY CONDUCT PERIODIC INSPECTIONS OF THE SITE DURING LAND CLEARANCE AND CONSTRUCTION.
- IF, IN THE OPINION OF THE CITY ADMINISTRATOR, DEVELOPMENT ACTIVITIES WILL SO SEVERELY STRESS SLASH PINES OR ANY OTHER PROTECTED TREE SUCH THAT THEY ARE MADE SUSCEPTIBLE TO INSECT ATTACK, PREVENTATIVE SPRAYING OF THESE TREES BY THE CONTRACTOR MAY BE REQUIRED.



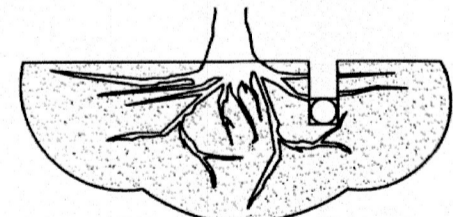
**ROOT PRUNING DETAIL**

TREES THAT ARE MARKED TO BE PRESERVED ON A SITE PLAN AND FOR WHICH UTILITIES MUST PASS THROUGH THEIR ROOT PROTECTION ZONES MAY REQUIRE TUNNELING AS OPPOSED TO OPEN TRENCHES. THE DECISION TO TUNNEL WILL BE DETERMINED ON A CASE BY CASE BASIS BY THE ENGINEER.

TUNNELS SHALL BE DUG THROUGH THE ROOT PROTECTION ZONE IN ORDER TO MINIMIZE ROOT DAMAGE.

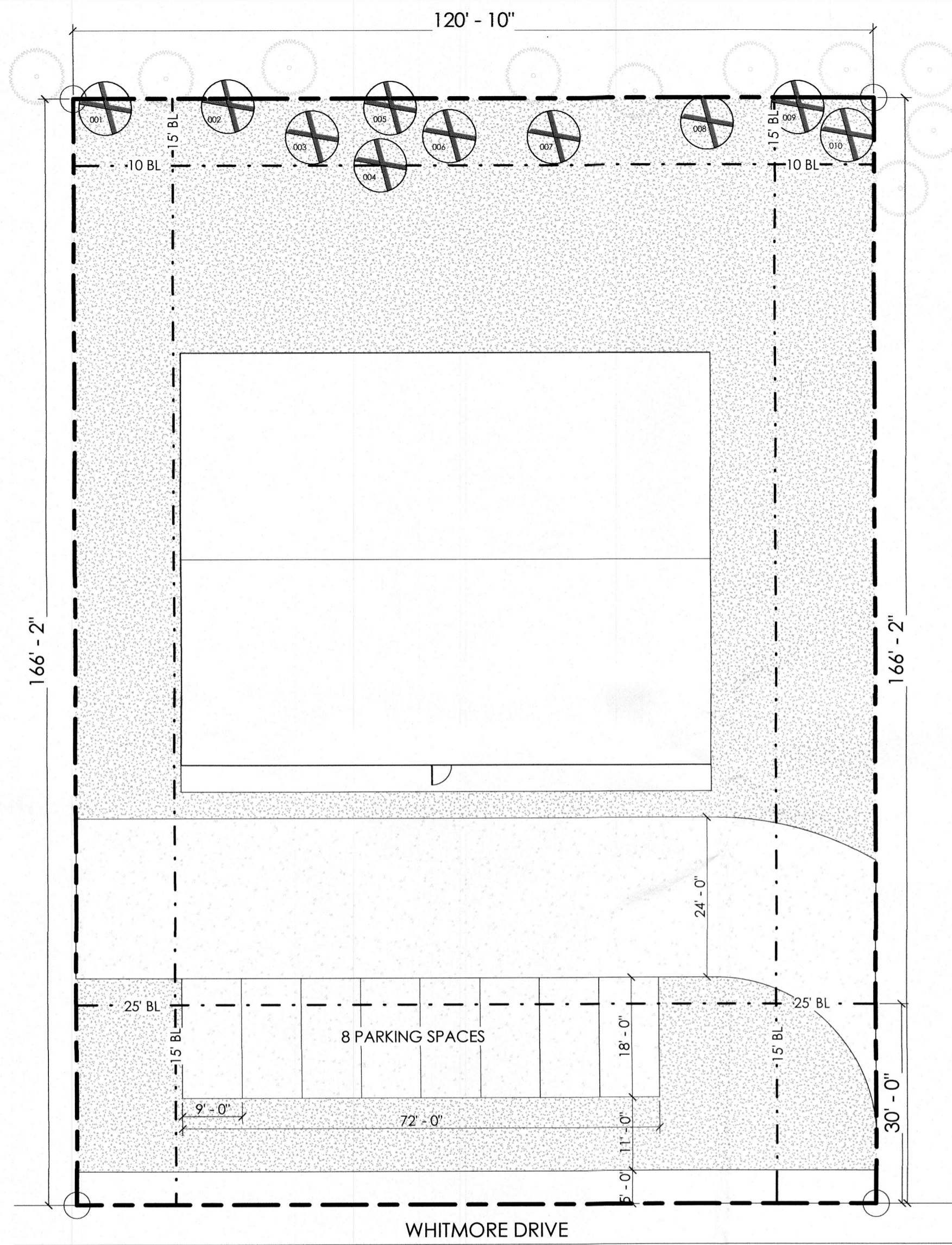


TUNNEL TO MINIMIZE ROOT DAMAGE (TOP) AS OPPOSED TO SURFACE-DUG TRENCHES IN ROOT PROTECTION ZONE WHEN THE 5' MINIMUM DISTANCE FROM TRUNK CAN NOT BE ACHIEVED.



**BORING THROUGH ROOT PROTECTION ZONE**

**NOTE: ALL TREE TRIMMING MUST BE APPROVED BY THE OWNER AND LOCAL JURISDICTION PRIOR TO COMMENCEMENT OF WORK. ALL TREE TRIMMING MUST BE DONE BY AN ISA CERTIFIED ARBORIST IN ACCORDANCE WITH LOCAL TREE PRESERVATION ORDINANCE.**



**TREESCAPE PLAN**

3/32" = 1' 0"

SITE PLANE DATE	
SIZE OF LOT	16,602 SQ.FT.
BUILDING	4,960 SQ.FT.
LANDSCAPE AREA REQUIRED TOTAL SITE:	2,490 SQ.FT. (15%)
LANDSCAPE PROVIDED, TOTAL SITE:	9,924 SQ.FT. (59%)
DRIVEWAY	2,974 SQ.FT.
PARKING	1,296 SQ.FT.
TOTAL COVERED AREA	9,230 SQ.FT.
COVERAGE PERCENT	56%

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**EXISTING TREE LEGEND**

EXISTING TREE OFF SITE

EXISTING TREE TO BE REMOVED

DIRECTION:

REV. NO.	DATE	COMMENTS

EXPIRATION DATE: \_\_\_\_\_

PAPER SIZE 36X24

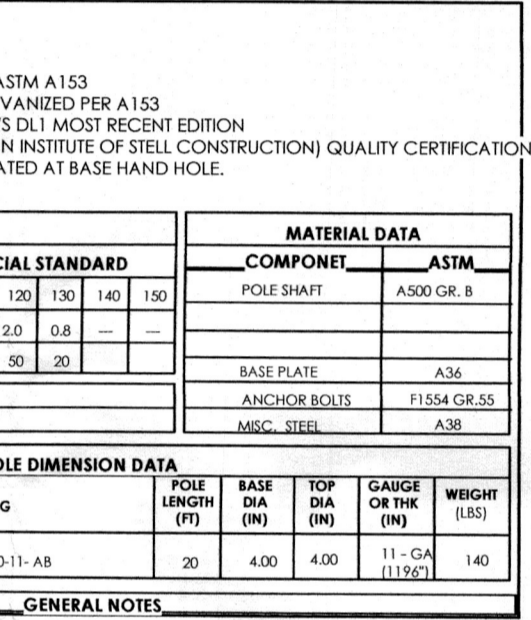
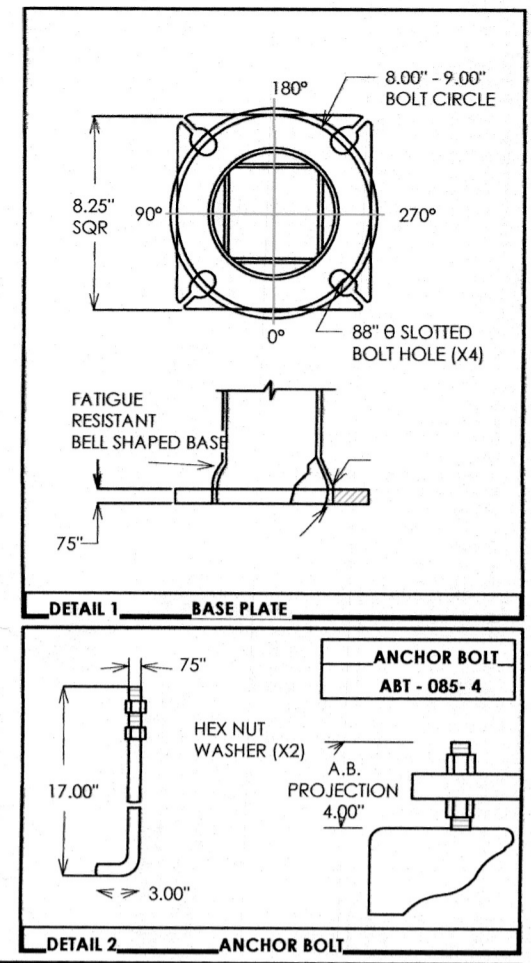
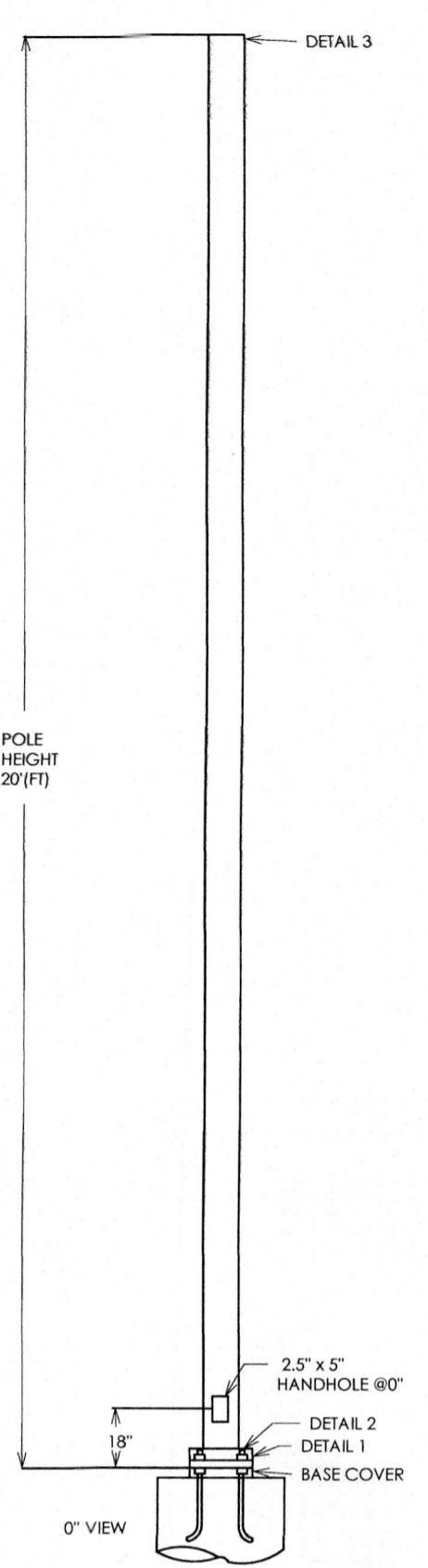
PLAN: **TRESCAPE PLAN DETAILS & SPECIFICATIONS**

DATE: **09/08/2023**

DRAW BY: **F.G.M** SHEET **04** OF **08**

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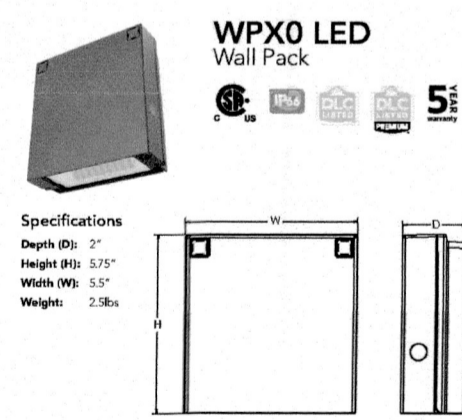




- 1) HARDWARE TO BE GALVANIZED TO ASTM A153
- 2) ANCHOR BOLTS SHALL BE FULLY GALVANIZED PER A153
- 3) ALL WELDING TO CONFORM TO: AWS D11 MOST RECENT EDITION
- 4) FABRICATION MEETS AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) QUALITY CERTIFICATION
- 5) PROVISIONS FOR CROWDING LOCATED AT BASE HAND HOLE.

LOADING DATA		MATERIAL DATA				
DESIGN CRITERIA:	COMMERCIAL STANDARD	COMPONENT	ASTM			
SPEED (mph)	80 90 100 110 120 130 140 150	POLE SHAFT	A300 GR. B			
EPA FT.	9.6 6.7 4.5 3.5 2.0 0.8 — —	BASE PLATE	A36			
WEIGHT (lbs)	240 167 150 88 50 20 — —	ANCHOR BOLTS	F1554 GR.55			
FINISH		MISC. STEEL	A38			
TBD						
POLE DIMENSION DATA						
TYPE	DESIGN	POLE LENGTH (FT)	BASE DIA (IN)	TOP DIA (IN)	GAUGE OR THK (IN)	WEIGHT (LBS)
	SNS-20-40-11-AB	20	4.00	4.00	11 - GA (11.96")	140

GENERAL NOTES



**Introduction**  
The WPX0 LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in four sizes, the WPX0 family delivers 82 to 9,200 lumens with a wide, uniform distribution.

The WPX0 full cut-off wall pack is an excellent choice for door lighting solution. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Standard features such as Adjustable Lumen Output (ALC), color switching and switchable photocell make WPX0 ideal for any application.

**Ordering Information**

EXAMPLE: WPX0 LED ALO SSW2 MVOLT PE DBDX

Series	Color Temperature	Output	Beam	Mount	Finish	Accessories
WPX0 LED ALO	3000K / 4000K / 5000K	8000 / 10000 / 15000	100°	1/2"	Black / White	DBDX Backplate

**FEATURES & SPECIFICATIONS**

**INTENDED USE**  
The WPX0 LED wall packs are designed to provide a cost-effective, energy-efficient solution for HID wall pack replacement and new construction opportunities. Available in four sizes, the WPX0 family delivers 82 to 9,200 lumens with a wide, uniform distribution.

**CONSTRUCTION**  
WPX0 features a cast aluminum body with optimal thermal management that both enhances LED efficacy and extends component life. The backplate is IP66 rated and meets requirements for environmental protection.

**ELECTRICAL**  
WPX0 features a wide range of high-efficiency LEDs and LED lumen maintenance of 80/100,000 hours. Other temperature CCTs can be selected between 3000K, 4000K, and 5000K with minimum CR of 80. Dimming is available through a 0-10V dimmer or DALI dimmer. The backplate operates on AC input (120V / 277V input).

**INSTALLATION**  
WPX0 can be mounted directly over an existing electrical junction box. A port on the back surface allows for easy installation of a photocell or dimmer. The WPX0 LED wall packs are designed to be installed in a variety of applications. For more information, please contact your local distributor or visit our website at [www.lithonia.com](http://www.lithonia.com).

**WARNING**  
Lithonia Lighting is not responsible for any damage to property or injury to persons that may result from the use of this product. Please read the instructions carefully before use.

**NOTE**  
Actual performance may differ as a result of end user environment and application. Lithonia Lighting is not responsible for any damage to property or injury to persons that may result from the use of this product. Please read the instructions carefully before use.

**Performance Data**

Model	Height (ft)	Beam (ft)	Beam (m)	Beam (ft)	Beam (m)
AD1	13.0	6.11	0.96	0.93	0.93
AD2	9.2	5.08	0.84	0.81	0.81
AD3	7.8	5.07	0.84	0.81	0.81
AD1	4.4	0.85	0.81	0.81	0.81

**Projected LED Lumen Maintenance**  
Data obtained for an initial performance program at 25°C ambient based on 6,000 hours of LED testing based on ENEC LM 80-06 and reported per ENEC LM 21-15.  
To calculate LM, use the lumen maintenance factor that corresponds to the desired number of operating hours based on other lumen maintenance values, rounded down.

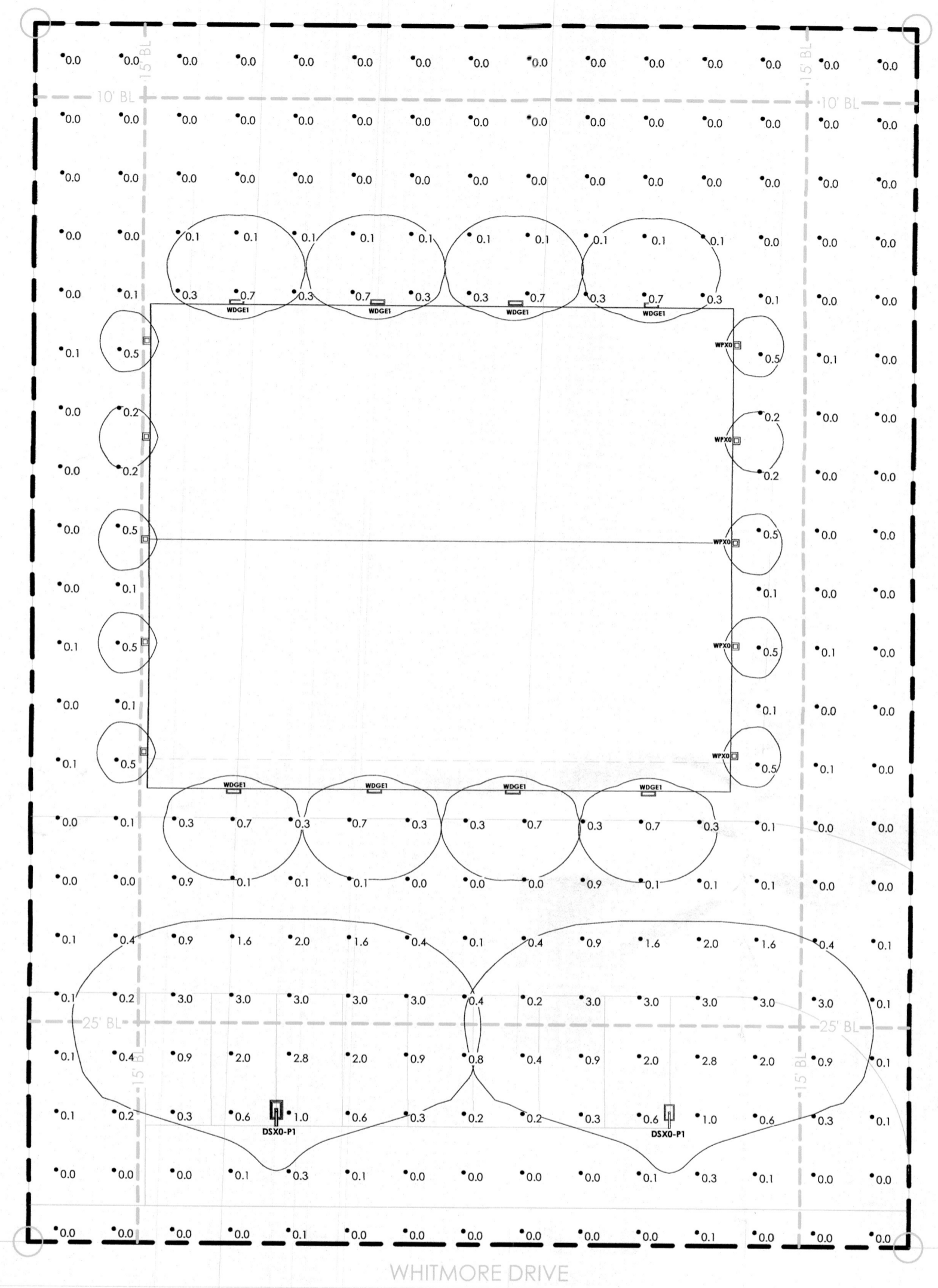
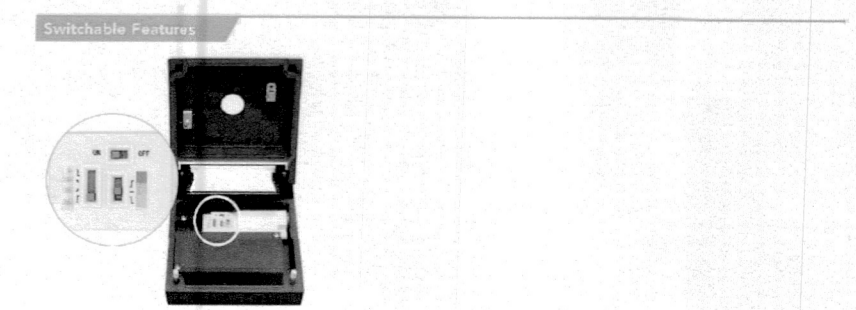
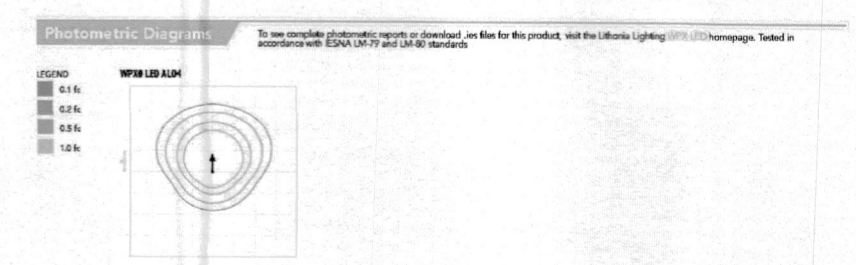
Operating Hours	5000	7500	10000
Lumen Maintenance	>80	>80	>80

**Lumen Output**

Model	Color Temp	Beam	Beam	Beam
AD1	3000K	1,391	1,444	1,467
	4000K	1,444	1,467	1,488
	5000K	1,467	1,488	1,511
AD2	3000K	1,191	1,225	1,259
	4000K	1,225	1,259	1,293
	5000K	1,259	1,293	1,327
AD3	3000K	914	948	982
	4000K	948	982	1,016
	5000K	982	1,016	1,050
AD1	3000K	814	848	882
	4000K	848	882	916
	5000K	882	916	950

**Lumen Ambient Temperature (LAT) Multipliers**  
Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Temp (°C)	Temp (°F)	Multiplier
0°C	32°F	1.00
5°C	41°F	1.02
10°C	50°F	1.04
15°C	59°F	1.06
20°C	68°F	1.08
25°C	77°F	1.09
30°C	86°F	1.10
35°C	95°F	1.11
40°C	104°F	1.12



## SITE PHOTOMETRICS PLAN

3/32" = 1' 0"

SYMBOL	TYPE	QTY	MANUFACTURER / CATALOG NUMBER	TOTAL LUMEN OUTPUT	TOTAL INPUT WATTS	BALLAST FACTOR	LIGHT LOST FACTOR	USER DEFINED FACTOR
DSX0-P1	P	2	2 DSX0 LED P6 40K 70CRI 13M MVOLT SPA NLAIR PIRHN DBDX / D-SERIES SIZE 0 LED AREA LUMINAIRE (LITHONALIGHTING)	8,800	68.11	1.000	0.850	1.000
WDG1	W	8	WDG1 LED P2 40K 80CRI VF MVOLT SRM PE DBDX / WDG1 LED ARCHITECTURAL WALL SCONCE (LITHONALIGHTING)	7,200	24	1.000	0.800	1.000
WPX0	W	10	WPX0 LED ALO SSW2 MVOLT PE DBDX / WPX0 LED WALL PACK (LITHONALIGHTING)	6,940	20	1.000	0.850	1.000

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**ENGINEERING GENERAL NOTES**

GAMMA GROUP, WE ARE NOT AN ENGINEERING FIRM, WE DO NOT QUALIFY TO BE ONE. NOT ARE WE LICENSED TO DESIGN STRUCTURAL FRAMING, WINDBRACING OR FOUNDATION. A LICENSED PROFESSIONAL ENGINEER SHOULD BE CONTRACTED AND CONSULTED IMMEDIATELY REGARDING FRAMING, WINDBRACING, AND THE FOUNDATION DESIGNS. SHOULD AN ENGINEER'S SEAL BE PRESENT ON THESE DRAWINGS, THE "ENGINEER OF RECORD" SHALL BEAR ALL RESPONSIBILITY FOR THE STRUCTURE, WINDBRACING AND FOUNDATION DESIGNS FOR THIS PROJECT. THE DESIGNER IS NOT TO BE HELD RESPONSIBLE FOR THE STRUCTURAL DESIGN IN ANY WAY, MATTER, OR FORM IF ANY PROBLEMS MAY ARISE.

**NOTE:**  
GENERAL CONTRACTOR SHALL HAVE THIS FOUNDATION PLAN DESIGN BY A TEXAS REGISTERED ENGINEER TO MEET SOIL TESTS REQUIREMENTS.

THE DESIGNER ASSUMES NO LIABILITY FOR ANY STRUCTURE CONSTRUCTED FROM THIS PLAN IT IS THE RESPONSIBILITY OF THE PURCHASER OF THIS PLAN, TO PERFORM THE FOLLOWING BEFORE ACTUAL CONSTRUCTION COMMENCES:

- 1- BUILDER OR CONTRACTOR MUST VERIFY ALL DIMENSIONS PRIOR PROCEEDING WITH CONSTRUCTION.
- 2- BUILDER OR CONTRACTOR MUST VERIFY COMPLIANCE WITH ALL BUILDING CODES OF THE AREA WHERE THE STRUCTURE IS TO BE CONSTRUCTED AND LOCATED.
- 3- PLANS INDICATE LOCATIONS ONLY. ENGINEERING ASPECT SHOULD BE INCORPORATED TO ACTUAL SITE CONDITIONS.

**CONTRACTOR NOTES**

THIS PLAN INCLUDING ALL DESIGN CONCEPTS, DRAWINGS, AND DETAILS CONTAINED HEREIN SHALL REMAIN THE SOLE PROPERTY OF GAMMA GROUP AND CAN NOT BE DUPLICATED IN PART OR IN WHOLE WITHOUT THE PRIOR WRITTEN PERMISSION OF GAMMA GROUP. WORKING DRAWINGS SHALL NOT BE SCALED BEFORE PROCEEDING WITH ANY WORK OR ORDERING OF MATERIALS. THE BUILDER AND/OR SUBCONTRACTORS SHALL VERIFY ALL NOTES AND MEASUREMENTS. ANY DISCREPANCIES IN OR OMISSIONS FROM THE WORKING DRAWING SHALL BE REPORTED TO THE BUILDER AND DESIGNER.

**NOTES:**

1. SURFACE REFLECTANCES: VERTICAL/HORIZONTAL - 50/20
2. MOUNTING HEIGHTS ARE DESIGNATED ON DRAWING WITH E2
3. LUMINAIRE DESCRIPTION DOES NOT NECESSARILY REFLECT SPECIFICATION MODEL NUMBER, CONTACT SALESPERSON FOR VERIFICATION.
4. LIGHTING POWER DENSITY IS CALCULATED BASED ON ESTIMATED BALLAST/DRIVER ENERGY CONSUMPTION. ENGINEER TO VERIFY
5. FOR LUMEN OUTPUT OF SCALE LUMINAIRES, MULTIPLY TOTAL LUMEN OUTPUT BY USER DEFINED FACTOR.
6. CALCULATION VALUES ARE AT HEIGHT INDICATED IN SUMMARY TABLE

**DIRECTION:**

REV. NO.	DATE	COMMENTS

EXPIRATION DATE: PAPER SIZE 36X24

PLAN: **SITE PHOTOMETRICS & DETAILS**

DATE: 09/08/2023

DRAW BY: F.G.M

SHEET 05 OF 08



