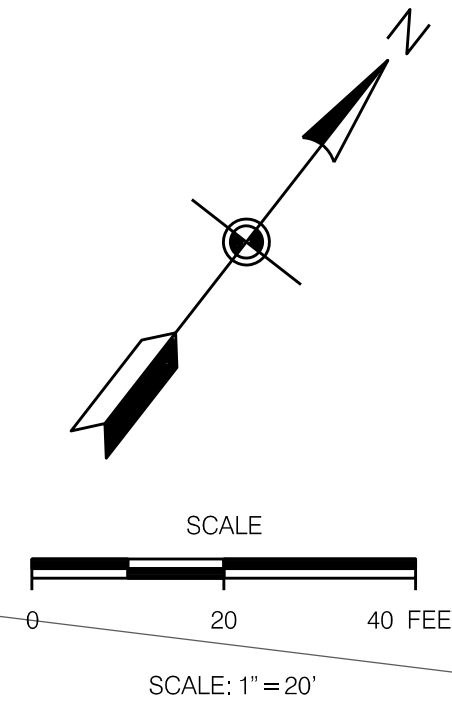
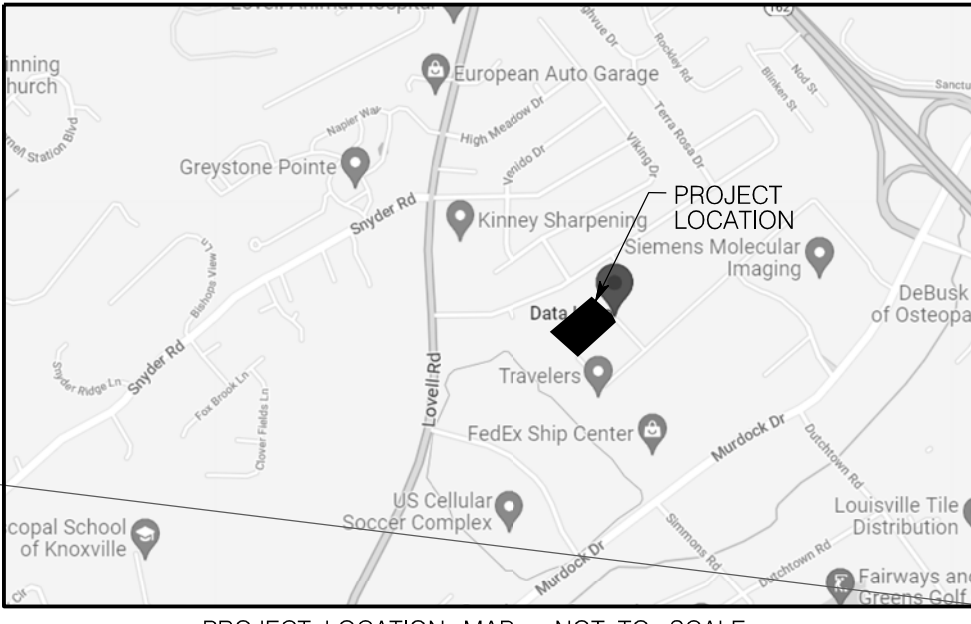
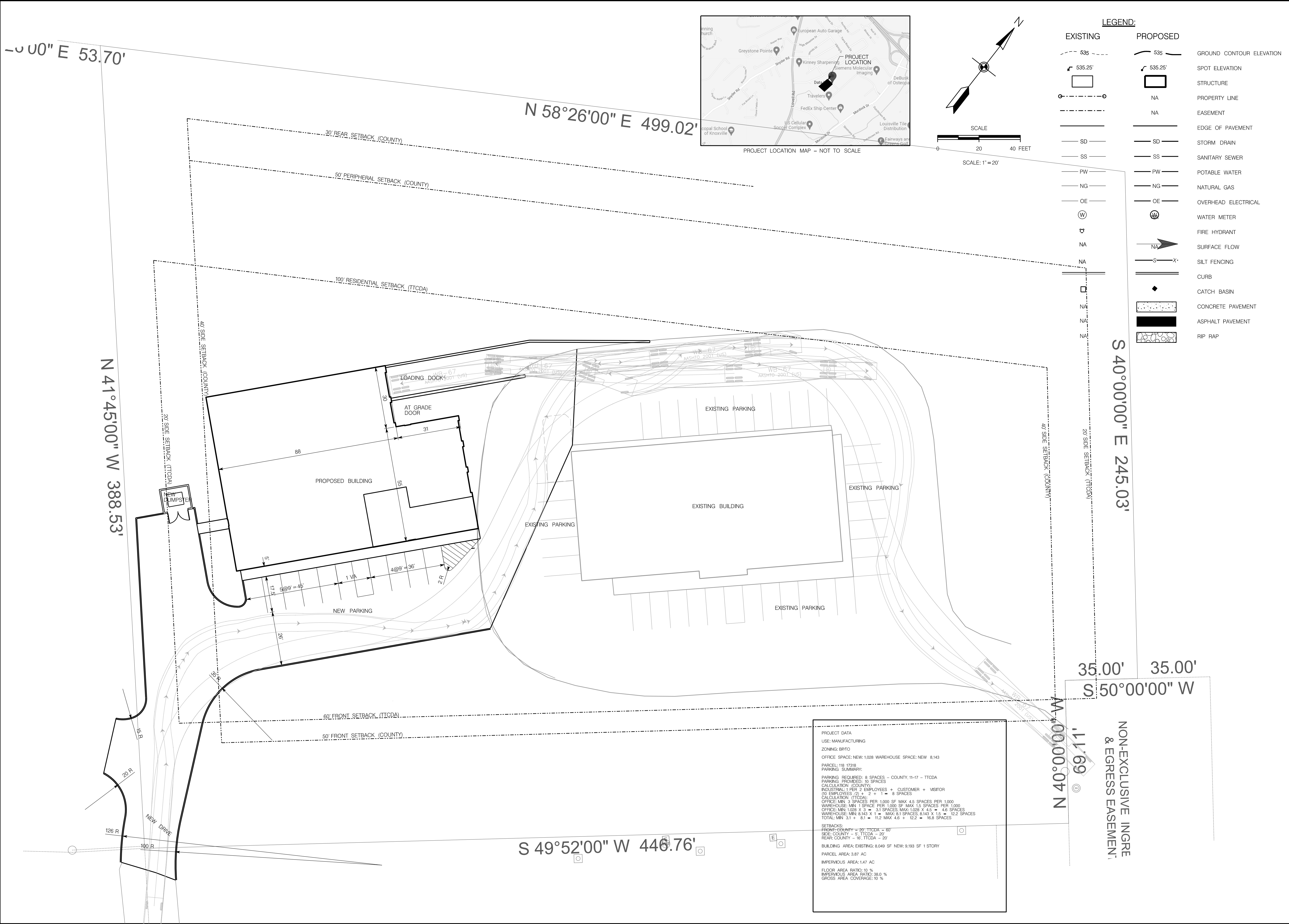




LEGEND:		
EXISTING	PROPOSED	
		GROUND CONTOUR ELEVATION
		SPOT ELEVATION
		STRUCTURE
		PROPERTY LINE
		EASEMENT
		EDGE OF PAVEMENT
		STORM DRAIN
		SANITARY SEWER
		POTABLE WATER
		NATURAL GAS
		OVERHEAD ELECTRICAL
		WATER METER
		FIRE HYDRANT
		SURFACE FLOW
		SILT FENCING
		CURB
		CATCH BASIN
		CONCRETE PAVEMENT
		ASPHALT PAVEMENT
		RIP RAP

PROJECT DATA
USE: MANUFACTURING
ZONING: B70
OFFICE SPACE: NEW: 1,028 WAREHOUSE SPACE: NEW: 8,143
PARCEL: 118 1739
PARKING SUMMARY:
PARKING REQUIRED: 8 SPACES - COUNTY 11-17 - TTCDA
PARKING PROVIDED: 10 SPACES
CALCULATION (COUNTY):
INDUSTRIAL: 1 PER 2 EMPLOYEES + CUSTOMER + VISITOR
(10 EMPLOYEES / 2) + 1 = 8 SPACES
CALCULATION (TTCDA):
OFFICE: MIN: 3 SPACES PER 1,000 SF MAX: 4.5 SPACES PER 1,000
WAREHOUSE: MIN: 1 SPACE PER 1,000 SF MAX: 1.5 SPACES PER 1,000
OFFICE: MIN: 1,028 X 3.1 = 3,188 SPACES MAX: 1,028 X 4.5 = 4,626 SPACES
WAREHOUSE: MIN: 8,143 X 1.5 = 12,214 SPACES MAX: 8,143 X 1.5 = 12,214 SPACES
TOTAL: MIN: 3.1 + 8.1 = 11.2 MAX: 4.6 + 12.2 = 16.8 SPACES
SETBACKS:
FRONT: COUNTY - 20' TTCDA - 60'
SIDE: COUNTY - 5' TTCDA - 20'
REAR: COUNTY - 16' TTCDA - 20'
BUILDING AREA: EXISTING: 8,049 SF NEW: 9,193 SF 1 STORY
PARCEL AREA: 3.87 AC
IMPERVIOUS AREA: 1.47 AC
FLOOR AREA RATIO: 10 %
IMPERVIOUS AREA RATIO: 38.0 %
GROSS AREA COVERAGE: 10 %

NON-EXCLUSIVE INGRESS
& EGRESS EASEMENT
S 40°00'00" E 245.03'
S 50°00'00" W
35.00' 35.00'
M 00°00'00" W
69.11' 69.11' ©

**WILL ROBINSON
& ASSOCIATES**
1248 N. Shorewood Ln
Caryville, TN 37714
(865) 386-4200
wrassociates@bellsouth.net

**Mechman Alternator
Warehouse**
Construction Of A New Warehouse

DATA LANE
KNOX COUNTY, TENNESSEE
11-B-21-TOB / 2-F-22-UR

REVISIONS:

DRAWN: WNR
CHECKED: WNR
DATE: 10-27-2021
FILE NAME:
PROJECT NO:

PL01
CONCEPT LAYOUT PLAN
DRAWING

NOTE: DRAWING IS THE PROPERTY OF CAREX DESIGN GROUP AND CANNOT BE USED WITHOUT WRITTEN PERMISSION.

PLANT MATERIAL

PROTECTION

Protection of Existing Plant Materials: The Contractor shall be responsible for all unauthorized cutting or damage to existing trees, shrubs, and ground covers caused by operation of equipment, stockpiling of materials, careless labor, etc. This shall include compaction by driving or parking inside the drip-line of trees or the spilling of oil, gasoline, or other deleterious materials within the drip-line of trees.

MAINTENANCE

Plant Grading: Plant species and size shall conform to those indicated on the drawings. Nomenclature shall conform to *Standardized Plant Names*, 1942 Edition. All plants not otherwise specified as being specimen, shall be excellent quality or better, as determined by the local plant industry. All plants shall be freshly dug, sound, healthy, vigorous, well branched and free of disease and insect eggs and larvae and shall have adequate root systems.

Planting Soil: Planting soil shall be fertile, friable without mixture of subsoil materials, and obtained from a well-drained industry acceptable site. It shall be free from heavy clay, stones, lumps, plants, root or other foreign materials, or noxious grass (such as Torpedo, Bermuda or nut grass) and noxious weeds. The PH range shall be 5.0 to 7.0 inclusive. Soil conditioner is to be mixed into soil as shown on planting details. All planting beds are to grade away from any structure or building to ensure proper drainage.

PLANTING PROCEDURES

Cleaning Up Before Commencing Work: The Contractor shall clean-up work and planting areas of all rubbish or objectionable matter and it shall be removed from the surface of all plant beds. These materials shall not be mixed with the soil. Should this Contractor find conditions beneath the soil which will in any way adversely affect the plant growth, he shall immediately call it to the attention of the Owner. Failure to do so before planting shall make the corrective measure the responsibility of this Contractor.

Obstruction Below Ground: Contractor is responsible for underground utilities verification. If underground construction, utilities or obstructions are encountered during the excavation of planting areas, or pits, alternate locations for the plant material shall be selected and approved by the Designer.

Plant Material Layout: It is suggested that Contractor stake tree or plant locations from the planting plans prior to digging pits, making any necessary adjustments.

Tree Guying and Bracing: Procedure shall be at the discretion of the Contractor in accordance with sound nursery practices and by the approval of Designer to insure stability and maintain plants in an upright position. See planting details for specific procedure for each plant requirement. Staking the trees is at the discretion of the Contractor, however any plants showing adverse growth at end of warranty period due to not staking will need to be replaced at Contractors cost.

Mulching: Provide a three (3) inch minimum layer of specified mulch over the entire area of each shrub bed, ground cover and vine bed and tree pit or as otherwise specified.

Digging and Handling: Protect roots or balls of plants at all times from sun and drying winds, excess water and freezing, as necessary until planting. No plants moved with a ball shall be planted if the ball is cracked or broken.

Watering: Water plants in thoroughly upon planting. Contractor is responsible for watering all plant material until project is complete.

LAWN SODDING

Work: Work consists of soil preparation, lawn bed preparation, and sodding complete, in strict accordance with the specifications and the applicable drawings, to produce a grass lawn acceptable to the Owner/Designer.

Soil Preparation: All areas that are to be sodded, shall be cleared of any rough grass, weeds, and debris, and the ground brought to a smooth and even grade.

Fertilizer: Fertilizer shall be a commercial type, 12-6-8, complying with local fertilizer laws and applied at a rate consistent with industry standards.

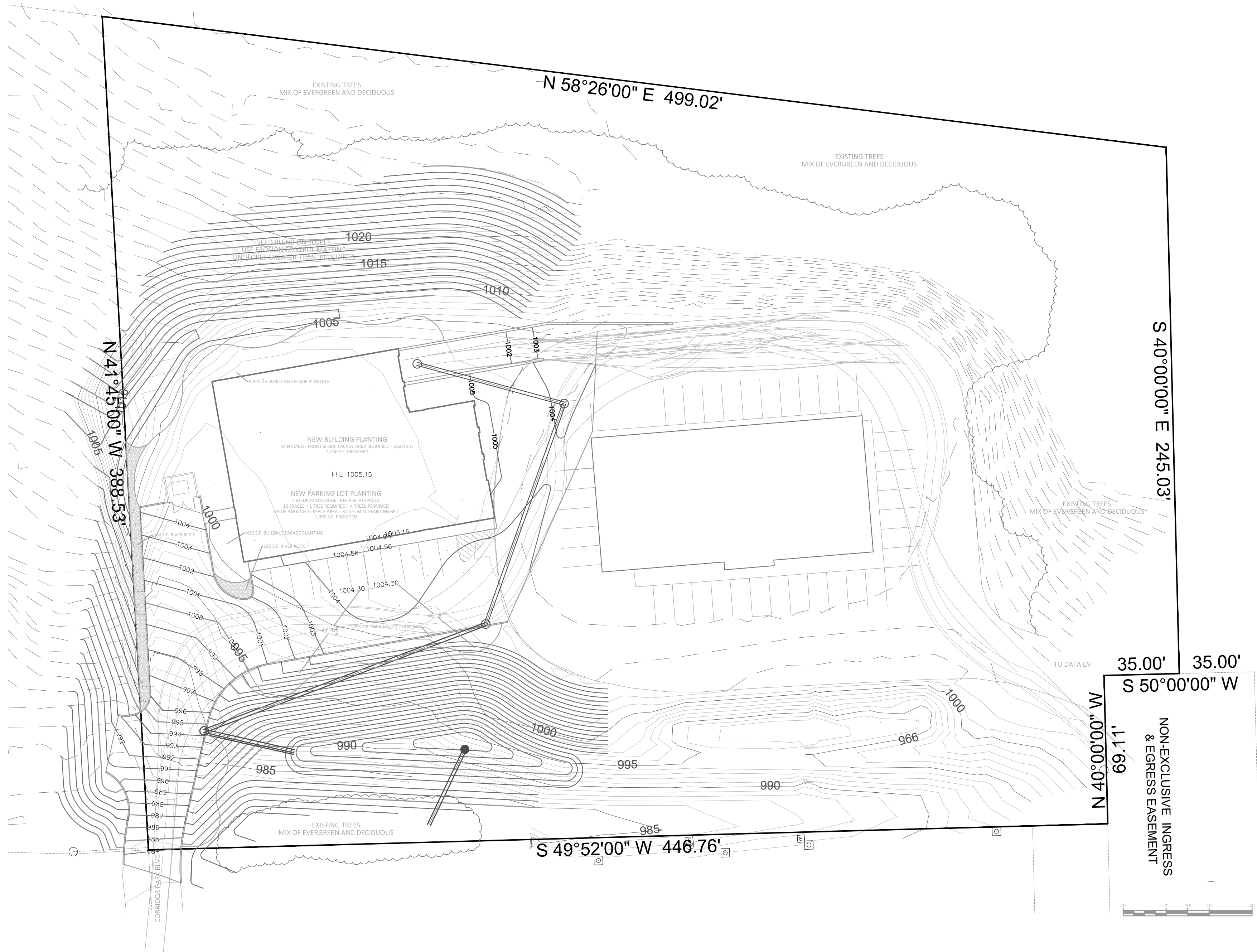
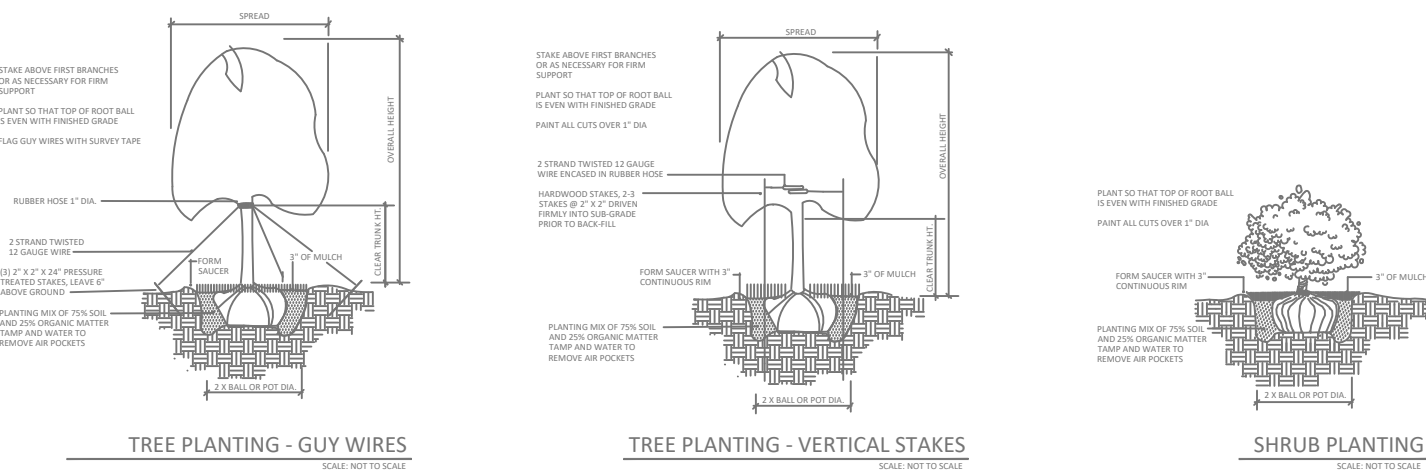
Sodding: The Contractor shall sod all the areas as designated on the drawings within the contract limits, unless specified otherwise. The sod shall meet all local specifications, absolutely true to variety type, and free from weeds, fungus, insects and disease of any kind. Each sod panel shall have sufficient root and soil base to assure proper sod growth. Sod panels shall be laid tightly together so as to make a solid sodded lawn area. Sod shall be laid uniformly against the edges of all buildings, paved and planted areas. Immediately following sod laying, the lawn areas shall be rolled with a lawn roller, and then thoroughly watered. After rolling it, in the opinion of the Designer, top-dressing and over-seeding may be necessary to fill the voids between the sod panels and to even out inconsistencies in the sod. For top-dressing, clean sand as approved by the Designer shall be uniformly spread over the entire surface of the sod and thoroughly watered in. During delivery, prior to and during the planting of the lawn areas, the sod panels shall at all times be protected from excessive drying and unnecessary exposure of the roots to the sun. Any sod damaged as noted shall not be used on the site.

PLANTING DETAILS

Refer to drawings.

CLEAN UP

During Construction: Contractor is responsible for clean-up of all areas affected by construction. This includes roadways, driveways, parking lots, sidewalks, lawn and planting areas. No bulk materials to be stored on street unless approved by Owner. Any materials in roadways, driveways etc. shall be clearly visible with tape, cones etc. Any open holes left shall be covered with plywood or other safety device. All areas not constructed, planted or sodded shall receive grass seed and straw unless otherwise stipulated.



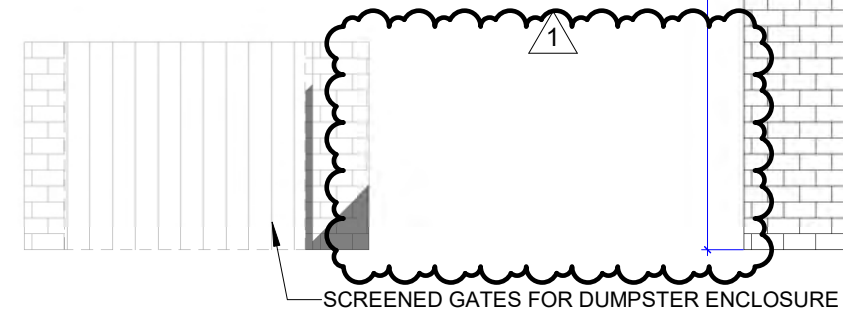
SYM	QTY	COMMON NAME / BOTANIC NAME	INSTALLED SIZE	TYPE / SIZE
	6	YOSHINO CHERRY PRUNUS YEDOENSIS	2" CAL 8" HT	DECIDUOUS SMALL
	2	WILLOW OAK QUERCUS PHELLOS	3" CAL 10" HT	DECIDUOUS LARGE
	5	NELLIE R STEVENS HOLLY ILEX CORNUTA 'NELLIE R STEVENS'	2" CAL 10" HT	EVERGREEN MEDIUM
	1	SPARTAN JUNIPER JUNIPER CHINENSIS	2" CAL 10" HT	EVERGREEN MEDIUM
	3	LITTLE GEM MAGNOLIA MAGNOLIA GRANDIFLORA 'LITTLE GEM'	2" CAL 10" HT	EVERGREEN MEDIUM
	21	OTTO LUYKEN LAUREL PRUNUS LAUROCERASUS 'OTTO LUYKEN'	#3 30"	EVERGREEN SHRUB
	26	COMPACTA HOLLY ILEX CRENATA	#3 24"	EVERGREEN SHRUB
	22	SPREADING PLUM YEW CEPHALOTAXUS HARRINGTONIA	#3 18"	EVERGREEN SHRUB
	9	VARIEGATED RED TWIG DOGWOOD CORNUS SERICEA	#7 36"	DECIDUOUS SHRUB
	39	MT AIRY FOTHERGILLA FOTHERGILLA MAJOR 'MT AIRY'	#3 24"	DECIDUOUS SHRUB
	31	GOLDMOUND SPIREA SPIREA JAPONICA 'GOLD MOUND'	#3 24"	DECIDUOUS SHRUB
	34	SPILLED WINE WEIGELA WEIGELA FLORIDA 'SPILLED WINE'	#3 18"	DECIDUOUS SHRUB
	50	PINK MUHLY GRASS MUHLENBERGIA CAPILLARIS	#3 30"	ORNAMENTAL GRASS

NOTE: 53% OF NEW TREES ARE EVERGREEN (25% REQUIRED)

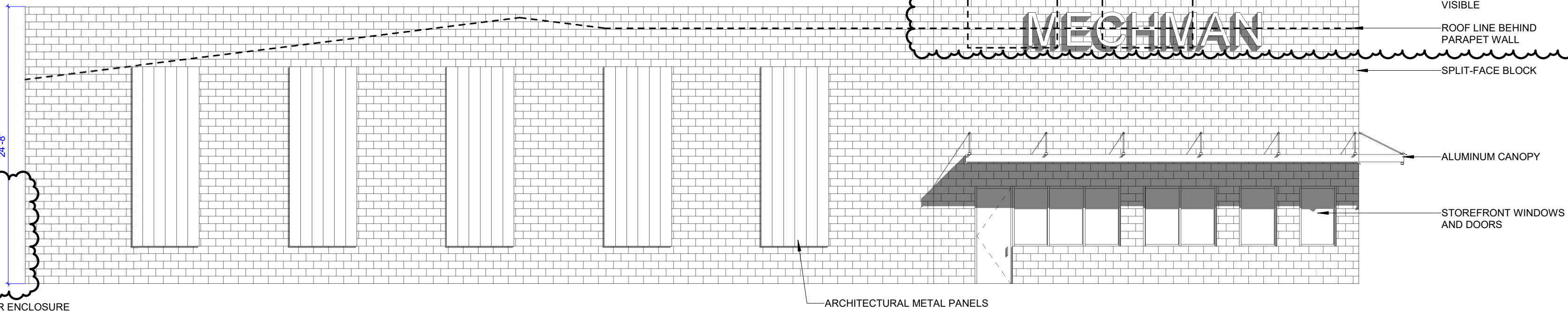
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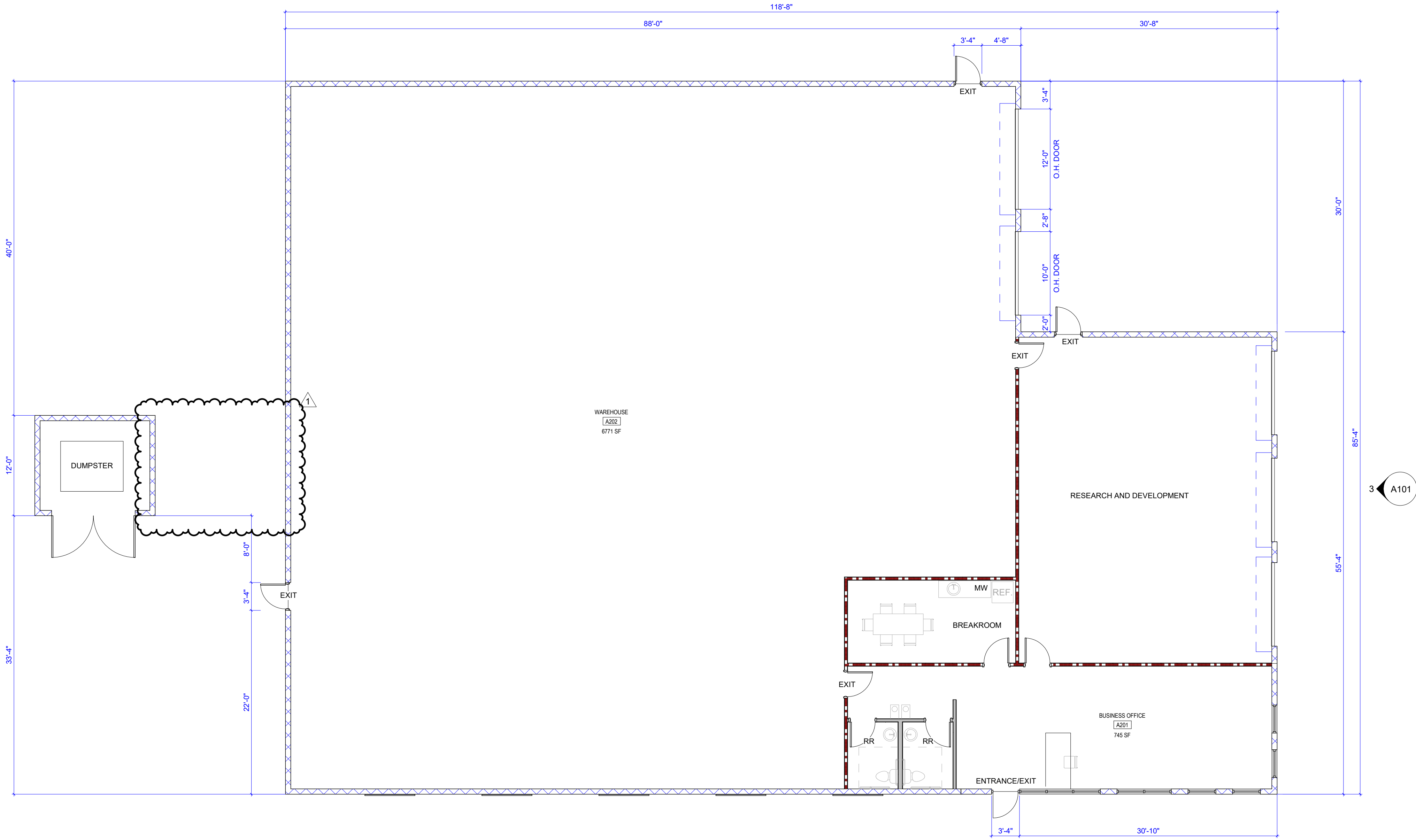
2 FRONT ELEVATION
1/8" = 1'-0"



3 SIDE ELEVATION
1/8" = 1'-0"



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



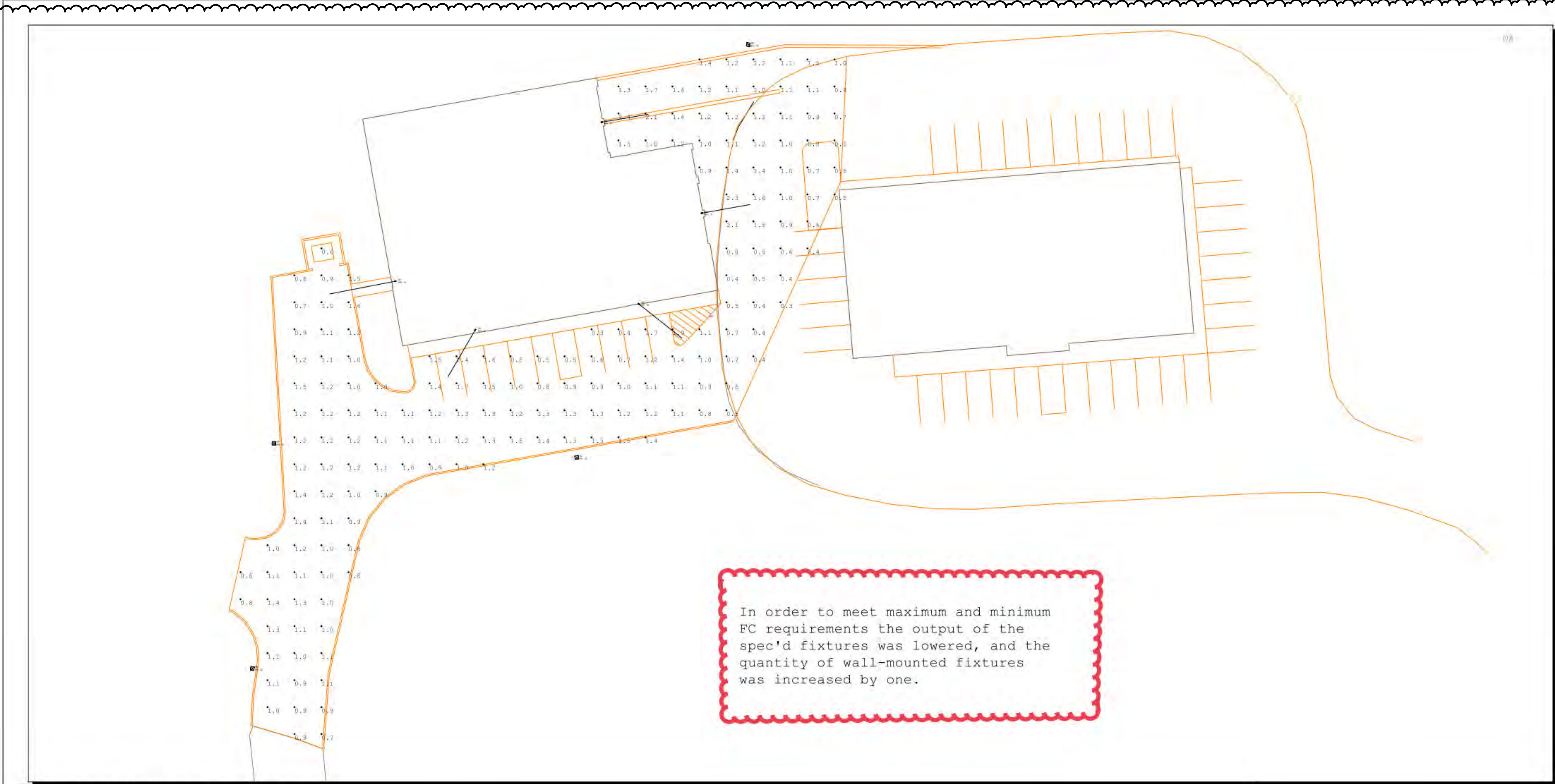
NOT FOR
CONSTRUCTION
10/4/21

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MECHMAN ALTERNATOR -
CONSTRUCTION OF A NEW WAREHOUSE
11-A-21-TOB / 2-F-22-UR

Drawing Information		
Revisions		
No.	Description	Date
1	TTCDA RESPONSE 1	10.27.21
Project Number		21042
Issue Date		10/4/21
Drawn By		CTM
Checked By		DML
Scale		1/8" = 1'-0"
FLOOR PLAN		

A101



Luminaire Schedule				
Symbol	Tag	Qty	Label	Mounting Height
	SC	1	PRV-C15-D-UNV-T3-BZ	25
	SB	3	PRV-C15-D-UNV-T4-BZ	25
	SA	5	XTOR3B-W	18

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking Area	Illuminance	Fc	1.08	2.4	0.3	3.60	8.00

[illegible][illegible]

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MECHMAN ALTERNATOR - CONSTRUCTION OF A NEW WAREHOUSE

11-A-21-TOB / 2-F-22-UR

Drawing Information		
Revisions		
No.	Description	Date
1	TTCDA RESPONSE 2	10.28.21
Project Number	21042	
Issue Date	10/4/21	
Drawn By	Author	
Checked By	DML	
Scale		
PHOTOMETRIC		