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milwaukee 333 East Chicago Street Milwaukee, Wisconsin 53202

KOMATSU

414.259.1500

125 South 84th Street, Suite 401 Milwaukee, WI 53214

SOUTH HARBOR **CAMPUS** MILWAUKEE

OFFICE BUILDING

ISSUANCE AND REVISIONS

DESCRIPTION CITY DIZ SUBMITTAL SPROZ SUBMITTAL CPC - SUPPLEMENT

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER SJF

PROJECT NUMBER 2019-0800.00

OFFICE BUILDING PLANTING PLAN

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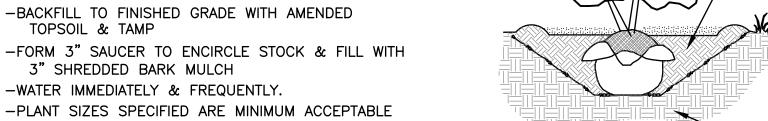
PLANT LIST

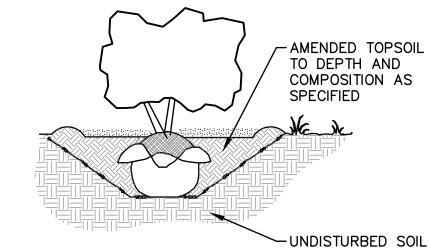
SHADE	TREES				
SYMBOL BOTANICAL NAME		COMMON NAME	SIZE	SPACING	MATURE SIZE
AFS	Acer x freemanii 'Sienna'	Sienna Glenn Maple	2.5" BB	as shown	40'-50"h x 35'-40'w
COC	Celtis occidentalis 'Chicagoland'	Chicagoland Hackberry	2.5" BB	as shown	50'-60'h x 40'-50'w
GTS	Gleditsia triacanthos inermis 'Shademaster'	Shademaster Honeylocust	2.5" BB	as shown	50'-60'h x 30'-35'w
GDE	Gymnocladus dioicus 'Espresso'	Espresso Kentucky Coffeetree	2.5" BB	as shown	50'h x 50'w
PTM	Populus tremuloides	Quaking Aspen	2.5" BB	as shown	40'-50'h x 20'-30'w
QMC	Quercus macrocarpa	Bur Oak	2.0" BB	as shown	60'h x 80'w
TXD	Taxodium distichum	Baldcypress	2.5" BB	as shown	50'-70'h x 30'-40'w
UAP	Ulmus americana 'Princeton'	Princeton American Elm	2.5" BB	as shown	60'-80'h x 40'-60'w
EVERG	REEN TREES				
SYMBO	DL BOTANICAL NAME	COMMON NAME	SIZE	SPACING	MATURE SIZE
ABC	Abies concolor	White Fir	6'-8'-10' BB	as shown	50'h x 30'w
PGD	Picea glauca var. densata	Black Hills Spruce	6'-8'-10' BB	as shown	20'-40'h x 15-25'w
PST	Pinus strobus	White Pine	6'-8'-10' BB	as shown	80'h x 40'w
ORNAN	MENTAL TREES				
SYMBOL BOTANICAL NAME		COMMON NAME	SIZE	SPACING	MATURE SIZE
AGA	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	10'-12'clump BB	as shown	20'h x 15'w
CCC	Cercis canadensis 'Columbus'	Eastern Redbud	8'-10'clump BB	as shown	20'h x 20'w
osv	Ostrya virginiana	Eastern Hop Hornbeam (Ironwood)	10'-12'clump BB	as shown	28'h x 24'w
DECID	JOUS SHRUBS				
SYMBO	DL BOTANICAL NAME	COMMON NAME	SIZE	SPACING	MATURE SIZE
AAB	Aronia arbutifolia 'Brilliantissima'	Brilliant Red Chokeberry	36" ht	5'	5'h x 5"w
CSB	Cornus sericea 'Bergeson Compact'	Bergeson Compact Dogwood	24" ht	5'	4'-6'h x 4'-6'w
HKA	Hypericum kalmianum 'Ames'	Ames St. John's Wort	18" ht	30"	2'-3'h x 2'-3'w
RAG	Rhus aromatica 'Gro Low'	Gro Low Sumac	24" spread	5'	2'h x 7'w
RCD	Rosa 'Meidrifora'	Coral Drift Rose	12" ht	30"	18"h x 30"w
RMR	Rosa 'Red Meidiland'	Red Meidiland Rose	24" ht	3'	3'h x 3'w
PEREN	NIALS				
SYMB	▼ BOTANICAL NAME	COMMON NAME	SIZE 🔻	SPACIN -	MATURE SIZE
ECP	Echinacea purpurea	Purple Coneflower	1 gal.	24"	36"h x 24"w
HFR	Hemerocallis 'Fragrant Returns'	Fragrant Returns Daylily	1 gal.	18"	16"h x 18"w
NWL	Nepeta x faassenii 'Walker's Low'	Walker's Low Catmint	1 gal.	36"	24"h x 24-36"w
ORNAM	MENTAL GRASSES & SEDGES				
SYMB	▼ BOTANICAL NAME	COMMON NAME	SIZE 🔻	SPACIN -	MATURE SIZE
PVH	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	1 gal.	36"	4'-5'h x 30"w
SCC	Schizachyrium scoparium 'Carousel'	Carousel Little Bluestem	1 gal.	24"	30"h x 30:w
SPT	Sporobolus heterolepis 'Tara'	Tara Dwarf Prairie Dropseed	1 gal.	24"	18"h x 24"w

-EXCAVATE PLANTING PIT TWICE THE DIAMETER OF BALL & EQUAL IN DEPTH -LOOSEN SUBSOIL W/PICK TO ENSURE POROSITY -PLACE PLANTING SOIL IN PLANTING PIT & FOOT TAMP -SELECT BEST VIEWING ANGLE, LIFT STOCK BY BALL &

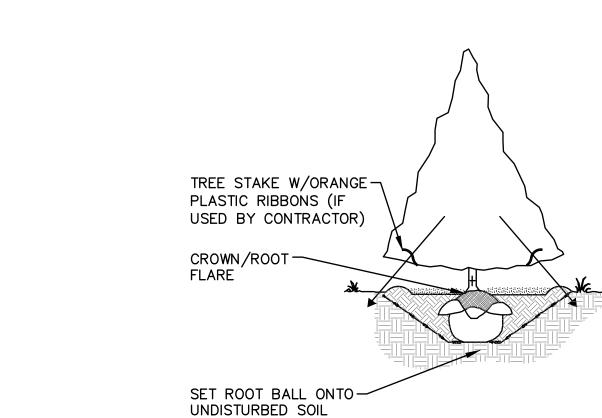
PLACE IN PLANTING PIT -UNWRAP TOP HALF OF ROOT BALL -BACKFILL TO FINISHED GRADE WITH AMENDED TOPSOIL & TAMP

-FORM 3" SAUCER TO ENCIRCLE STOCK & FILL WITH 3" SHREDDED BARK MULCH -WATER IMMEDIATELY & FREQUENTLY.





SHRUB PLANTING DETAIL



SEED BLEND WITH EROSION CONTROL

AMENDED TOPSOIL TO DEPTH AND

COMPOSITION AS SPECIFIED.

SEED BLEND WITH 1/2" TO 1 1/2"

COMPOSITION AS SPECIFIED.

3 → 3" BARK MULCH

GROUNDCOVER/PERENNIAL

OR ORNAMENTAL GRASS

- AMENDED TOPSOIL TO DEPTH

AND COMPOSITION AS SPECIFIED

CHOPPED, WEED-FREE STRAW

- AMENDED TOPSOIL TO DEPTH AND

-TOPSOIL SHALL CONFORM TO PROPERTIES AS DESCRIBED IN WRITTEN SPECIFICATION.

-CONTRACTOR SHALL PROVIDE SEED GERMINATION AND ESTABLISH VIGOROUS PLANT

-CONTRACTOR SHALL PERFORM MAINTENANCE SERVICES IN ORDER TO PROVIDE

ADEQUATE WEED CONTROL. SEE WRITTEN SPECIFICATION FOR DETAILED

PRAIRIE / WILDFLOWER SEEDING

-CONTRACTOR TO PROVIDE FINISHED TURF GRADE PER DRAWINGS WITH UNIFORM,

-SEED BLEND & APPLICATION PROCEDURES ARE DESCRIBED IN WRITTEN

-SEE LANDSCAPE PLAN FOR LOCATION OF VARIOUS SEED MIXES.

-TOPSOIL SHALL CONFORM TO PROPERTIES AS SPECIFIED.

MANICURED TURF SEEDING

PERENNIAL / ORNAMENTAL GRASS BED.

-PLANT SIZES SPECIFIED ARE MINIMUM ACCEPTABLE

IN WRITTEN SPECIFICATION

MOW & MAINTAIN AS SPECIFIED.

-CONTRACTOR TO PROVIDE FINISHED TURF GRADE PER DRAWINGS

WITH UNIFORM, NATURAL SLOPES PRIOR TO THE SOWING OF SEED. SEED BLEND & APPLICATION PROCEDURES ARE DESCRIBED

-LANDSCAPE CONTRACTOR SHALL ESTABLISH VIGOROUS GROWTH AND

NATURAL SLOPES PRIOR TO THE SOWING OF SEED.

GROWTH AS DESCRIBED IN WRITTEN SPECIFICATION.

MAINTENANCE SERVICES AND DURATION.

MAT OR 1" OR 2" CHOPPED, WEED FREE

STRAW. SEE WRITTEN SPECIFICATIONS

- PRIOR TO DIGGING TREE, MARK NORTH SIDE OF TRUNK. INSTALL TREE IN SAME ORIENTATION. - EXCAVATE PLANTING PIT 3-TIMES THE DIA. &

FLARE SHALL BE AT OR SLIGHTLY HIGHER THAN ADJACENT F.G. - LOOSEN SUBSOIL W/PICK TO ENSURE POROSITY.

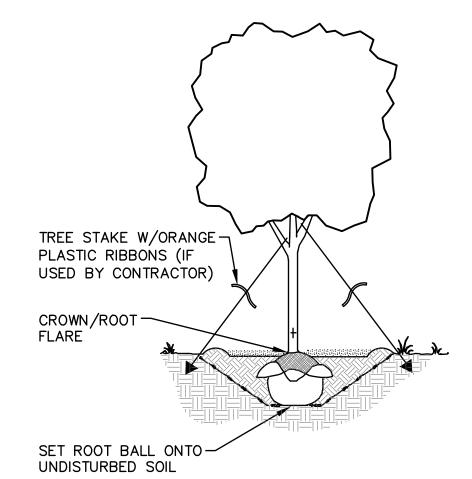
- SELECT BEST VIEWING ANGLE, LIFT STOCK BY BALL AND PLACE IN PLANTING PIT.

APROXIMATELY THE HEIGHT OF ROOT BALL DEPTH. ROOT

- CUT AND REMOVE ALL STRING AND WIRE AND UNWRAP TOP HALF OF ROOT BALL. BACKFILL PLANTING PIT WITH EXISTING SOIL UP TO BASE OF ROOT FLARE. PACK BACKFILL AROUND BASE OF ROOT BALL TO STABILIZE IT.

- BACKFILL REMAINDER OF PLANTING HOLE USING WATER PERIODICALLY TO REDUCE AIR POCKETS. - FORM 3" HT. SAUCER IN 6'-0" DIAMETER AROUND TREE & FILL WITH 3" SHREDDED HARDWOOD BARK MULCH. - KEEP MULCH 1-2 INCHES AWAY FROM TRUNK. WATER IMMEDIATELY & FREQUENTLY. - PLANT SIZES SPECIFIED ARE MINIMUM ACCEPTABLE.

VERGREEN PLANTING DETAIL



- PRIOR TO DIGGING TREE, MARK NORTH SIDE OF TRUNK. INSTALL TREE IN SAME ORIENTATION.

- EXCAVATE PLANTING PIT 3-TIMES THE DIA. & APROXIMATELY THE HEIGHT OF ROOT BALL DEPTH. ROOT FLARE SHALL BE AT OR SLIGHTLY HIGHER THAN ADJACENT F.G.

- LOOSEN SUBSOIL W/PICK TO ENSURE POROSITY.

- SELECT BEST VIEWING ANGLE, LIFT STOCK BY BALL AND PLACE IN PLANTING PIT.

- CUT AND REMOVE ALL STRING AND WIRE AND UNWRAP TOP HALF OF ROOT BALL. BACKFILL PLANTING PIT WITH EXISTING SOIL UP TO BASE OF ROOT FLARE.

 PACK BACKFILL AROUND BASE OF ROOT BALL TO STABILIZE IT. - BACKFILL REMAINDER OF PLANTING HOLE USING WATER

PERIODICALLY TO REDUCE AIR POCKETS. - FORM 3" HT. SAUCER IN 6'-0" DIAMETER AROUND TREE & FILL WITH 3" SHREDDED HARDWOOD BARK MULCH. - KEEP MULCH 1-2 INCHES AWAY FROM TRUNK.

 WATER IMMEDIATELY & FREQUENTLY. - PLANT SIZES SPECIFIED ARE MINIMUM ACCEPTABLE.

TREE PLANTING DETAIL

LANDSCAPING NOTES:

1. PLANT NAMES ARE ABBREVIATED ON THE DRAWINGS. SEE PLANT LIST FOR SYMBOLS, ABBREVIATIONS, BOTANICAL/COMMON NAMES, SIZES, ESTIMATED QUANTITIES (IF GIVEN) AND OTHER REMARKS.

2. PLANT MATERIALS ARE TO BE FURNISHED FREE OF PESTS OR PLANT DISEASES. PLANTS ARE SUBJECT TO OWNER'S ACCEPTANCE PRIOR TO INSTALLATION.

3. PLANT BEDS AND TREE PLANTING PITS ARE TO RECEIVE 3" DEEP LAYER OF SHREDDED HARDWOOD BARK MULCH.

5. MAINTAIN 72-INCH DIAMETER MINIMUM CLEAR SOIL AREA AROUND TREES IN MANICURED TURF AREAS. MULCH TREE

4. FORM 72-INCH, OR AS OTHERWISE INDICATED, WATERING BASIN AROUND ALL TREES NOT INSTALLED IN PAVED AREAS.

6. UNLESS OTHERWISE INDICATED, PLACE SHRUBS, PERENNIALS AND ORNAMENTAL GRASSES IN STRAIGHT ROWS, EQUALLY

7. FOLLOWING TESTING & ANALYSIS OF TOPSOIL, INCORPORATION OF RECOMMENDED AMENDMENTS, AND TOPSOIL PLACEMENT, ALL PLANT BED AREAS SHALL RECEIVE AMENDED PLANTING SOIL FOR A TOTAL OF 18" NON-COMPACTED PLANTING SOIL.

8. SEPARATE PLANTING BEDS FROM ADJACENT TURF AREAS WITH ALUMINUM EDGING.

RING WITH SPECIFIED DEPTH OF HARDWOOD BARK MULCH. SEE PLANTING DETAILS.

9. PLANT SUBSTITUTIONS WILL NOT BE PERMITTED UNLESS THE LANDSCAPE CONTRACTOR CAN DEMONSTRATE THE PLANTS ARE NOT AVAILABLE FROM NURSERY SOURCES LOCATED WITHIN 100 MILES FROM THE PROJECT SITE. ANY PROPOSED PLANT SUBSTITUTION WILL REQUIRE PRIOR REVIEW AND WRITTEN ACCEPTANCE BY THE LANDSCAPE ARCHITECT.



333 East Chicago Street milwaukee Milwaukee, Wisconsin 53202 414.271.5350

milwaukee 125 South 84th Street, Suite 401 Milwaukee, WI 53214

414.259.1500

PROJECT INFORMATION



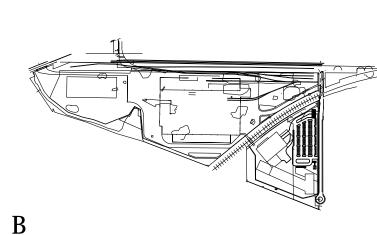
SOUTH HARBOR **CAMPUS MILWAUKEE**

MANUFACTURING BUILDING

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
6/17/19	CITY DIZ SUBMITTAL
6/28/19	SPROZ SUBMITTAL
7/10/19	CPC - SUPPLEMENT

KEY PLAN



SHEET INFORMATION

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PROJECT MANAGER

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LANDSCAPE DETAILS, NOTES &

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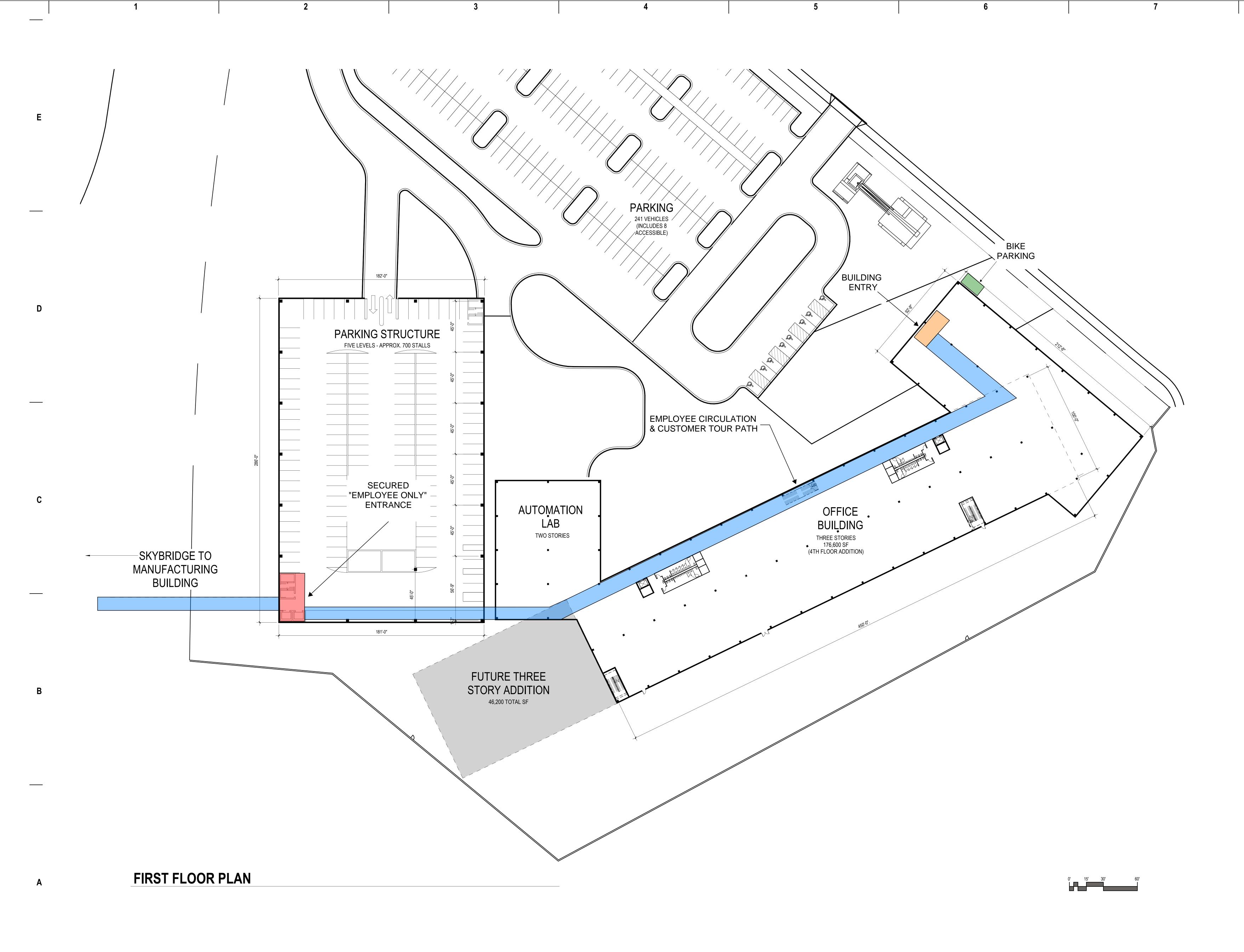
PLANT LIST

-LAYOUT PLANT MATERIAL AT SPACING AS SHOWN PER PLANT MATERIALS SCHEDULE

-HAND BROADCAST UNIFORM 3" HARDWOOD MULCH THROUGHOUT GROUNDCOVER /

GROUND COVER / ORNAMENTAL GRASS / PERENNIAL PLANTING DETAIL

-FLOOD IMMEDIATELY & WATER FREQUENTLY PER WRITTEN SPECIFICATIONS





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PROJECT INFORMATIO

KOMATSU

SOUTH HARBOR CAMPUS

D

OFFICE BUILDING

401 E. GREENFIELD AVE MILWAUKEE WI,

ISSUANCE AND REVISIONS

DATE DESCRIPTION

06/17/19 CITY SUBMITTAL

07/10/19 CPC SUPPLEMENTAL

KEY PLAN

SHEET INFORMATION

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PROJECT MANAGER

PROJECT NUMBER 218

OFFICE FIRST FLOOR PLAN

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Milwaukee, Wisconsin 53202
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PROJECT INFORMATION

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SOUTH HARBOR CAMPUS

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OFFICE BUILDING

401 E. GREENFIELD AVE MILWAUKEE WI, 53204

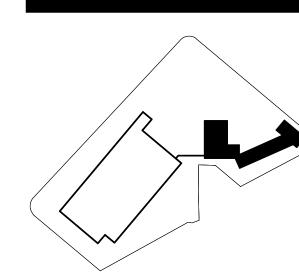
ISSUANCE AND REVISIONS

DATE DESCRIPTION

06/17/19 CITY SUBMITTAL

07/10/19 CPC SUPPLEMENTAL

KEY PLAN



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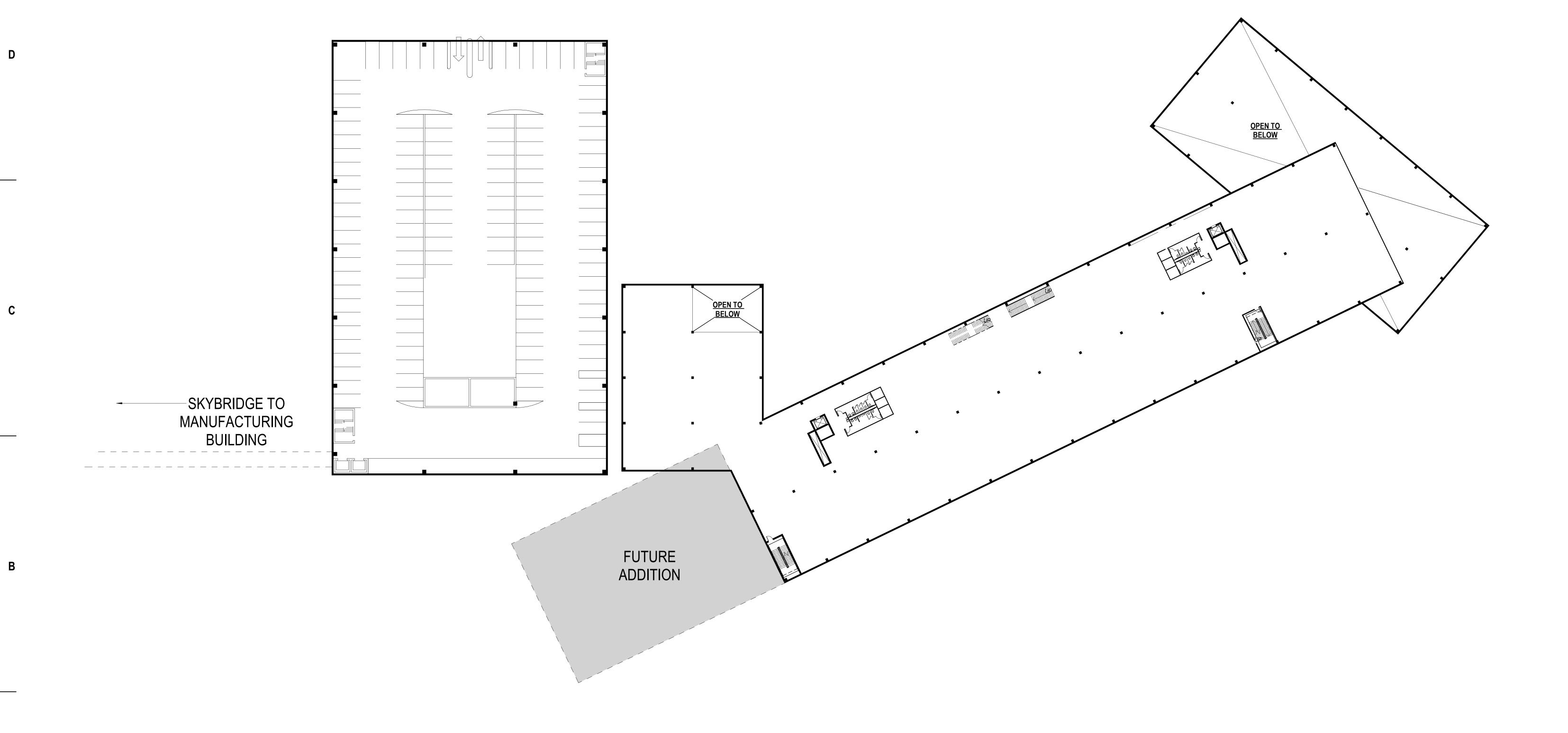
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PROJECT NUMBER 21819

OFFICE SECOND FLOOR PLAN

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SECOND FLOOR PLAN

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SOUTH HARBOR CAMPUS

OFFICE BUILDING

401 E. GREENFIELD AVE MILWAUKEE WI,

ISSUANCE AND REVISIONS

06/17/19 CITY SUBMITTAL
07/10/19 CPC SUPPLEMENTAL

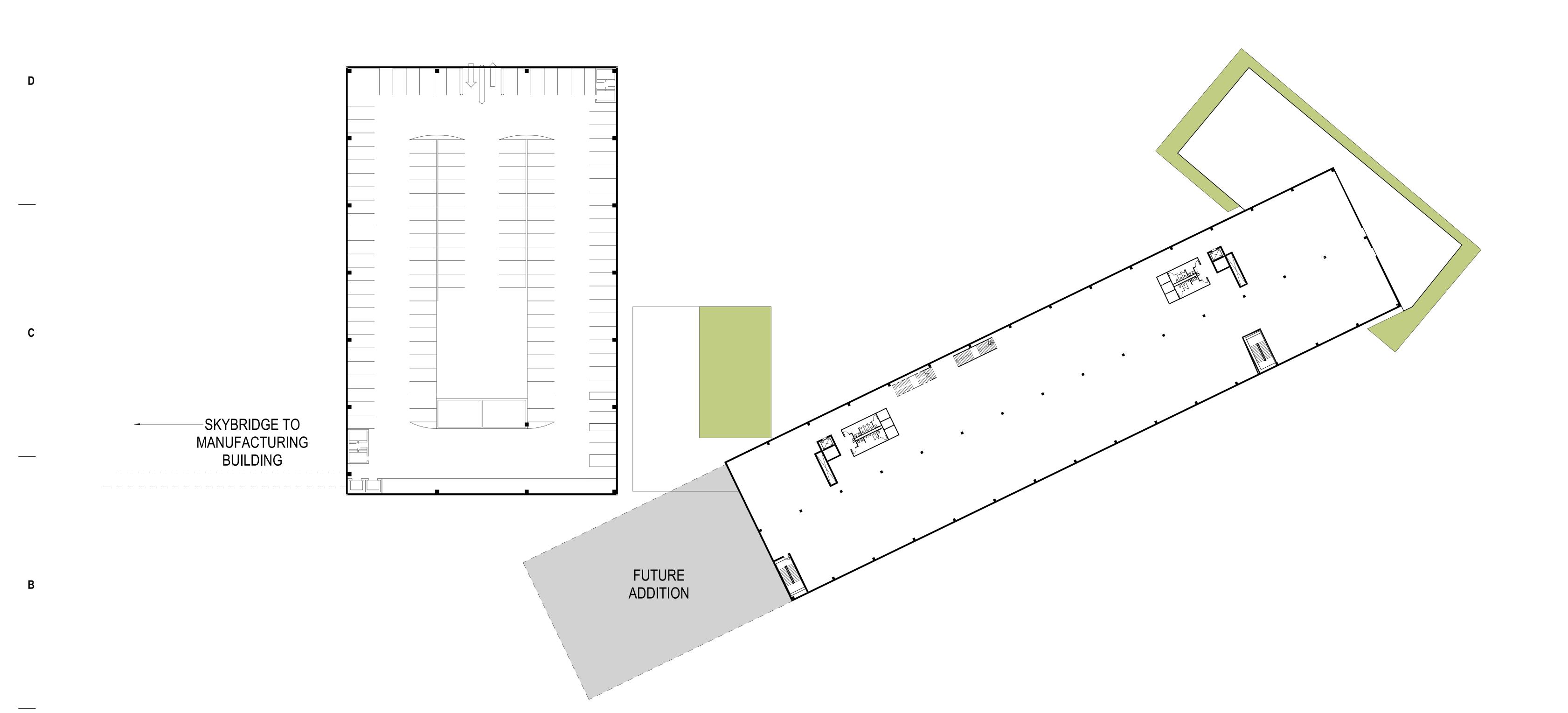
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PROJECT MANAGER

PROJECT NUMBER

OFFICE THIRD FLOOR PLAN



THIRD FLOOR PLAN

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SOUTH HARBOR CAMPUS

OFFICE BUILDING

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ISSUANCE AND REVISIONS

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SHEET INFORMATION

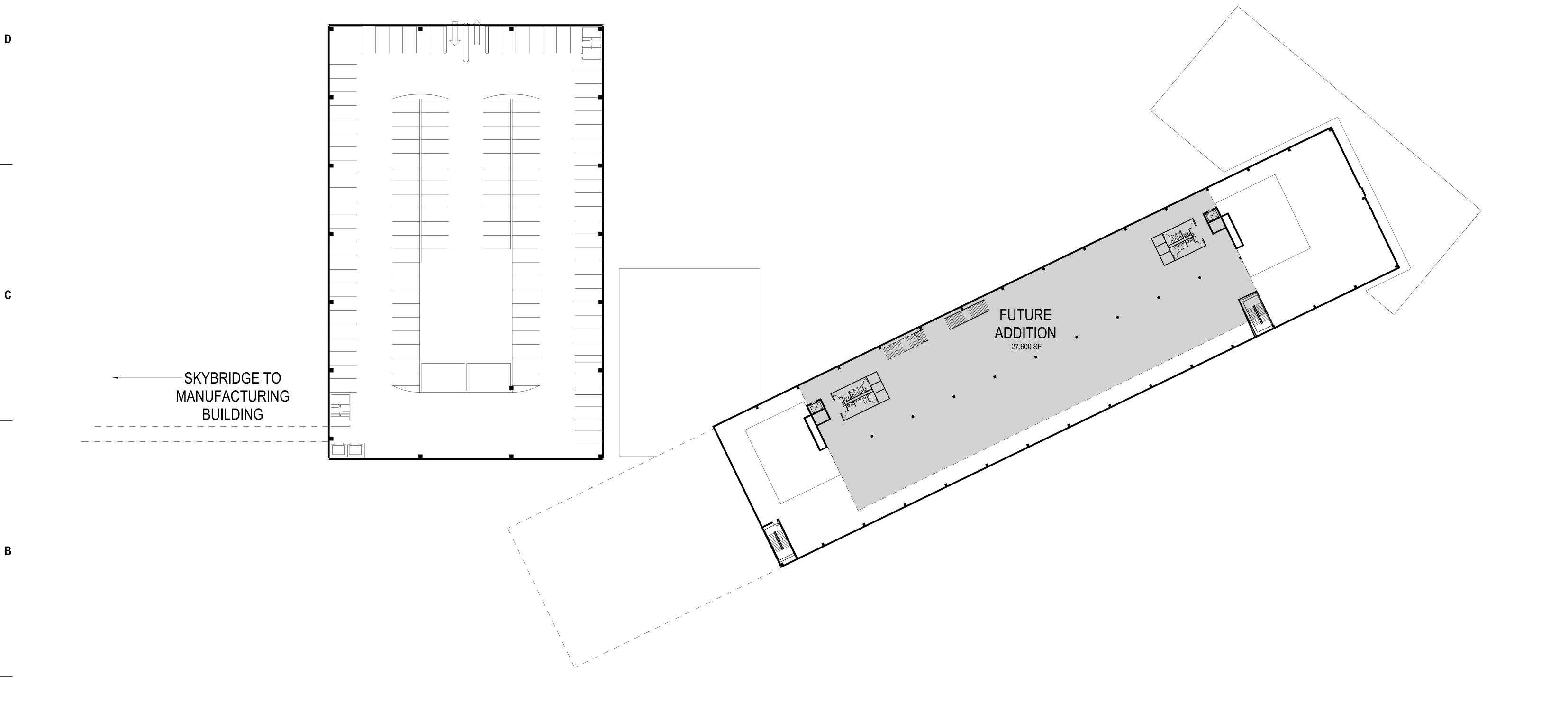
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PROJECT MANAGER

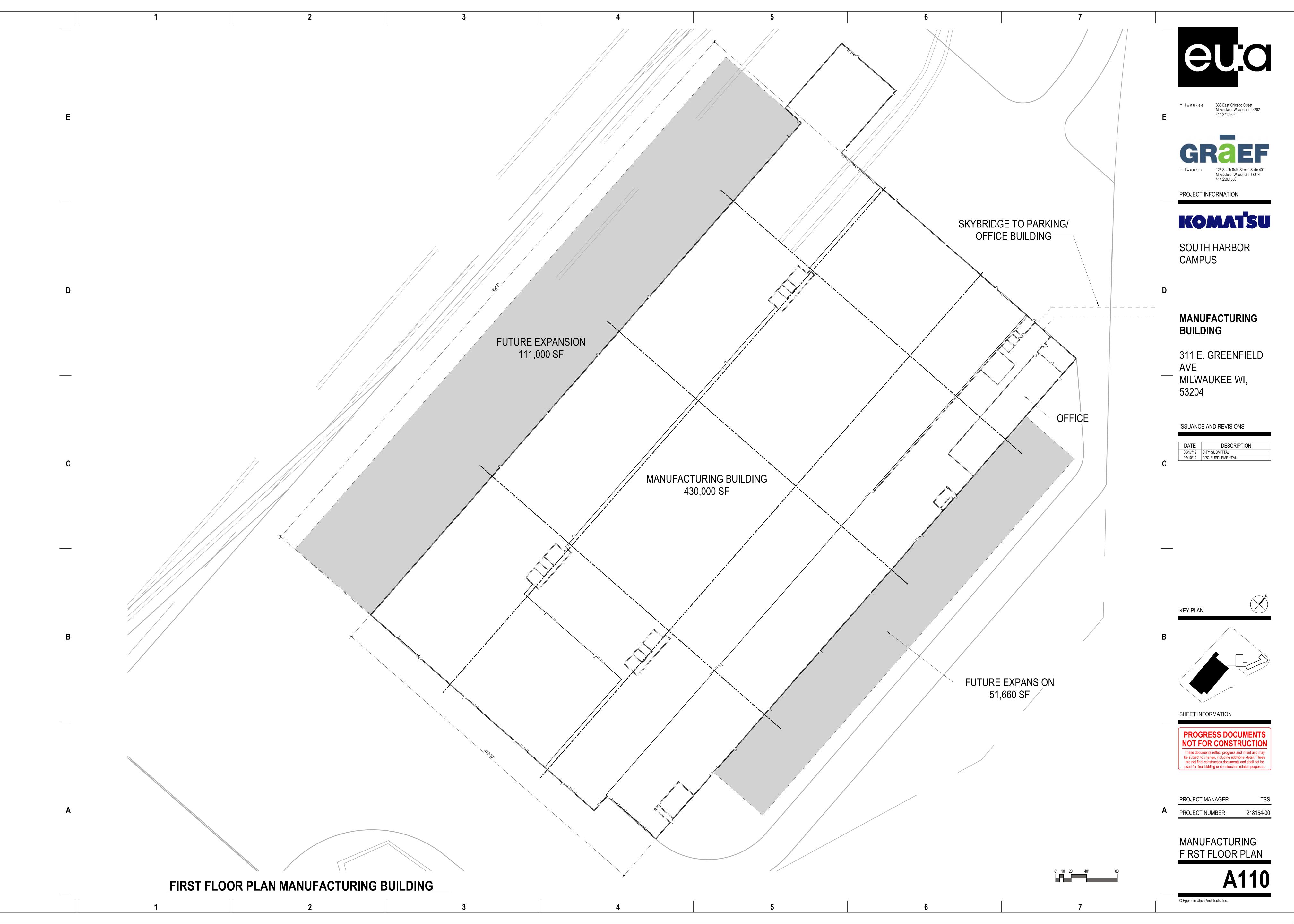
PROJECT NUMBER

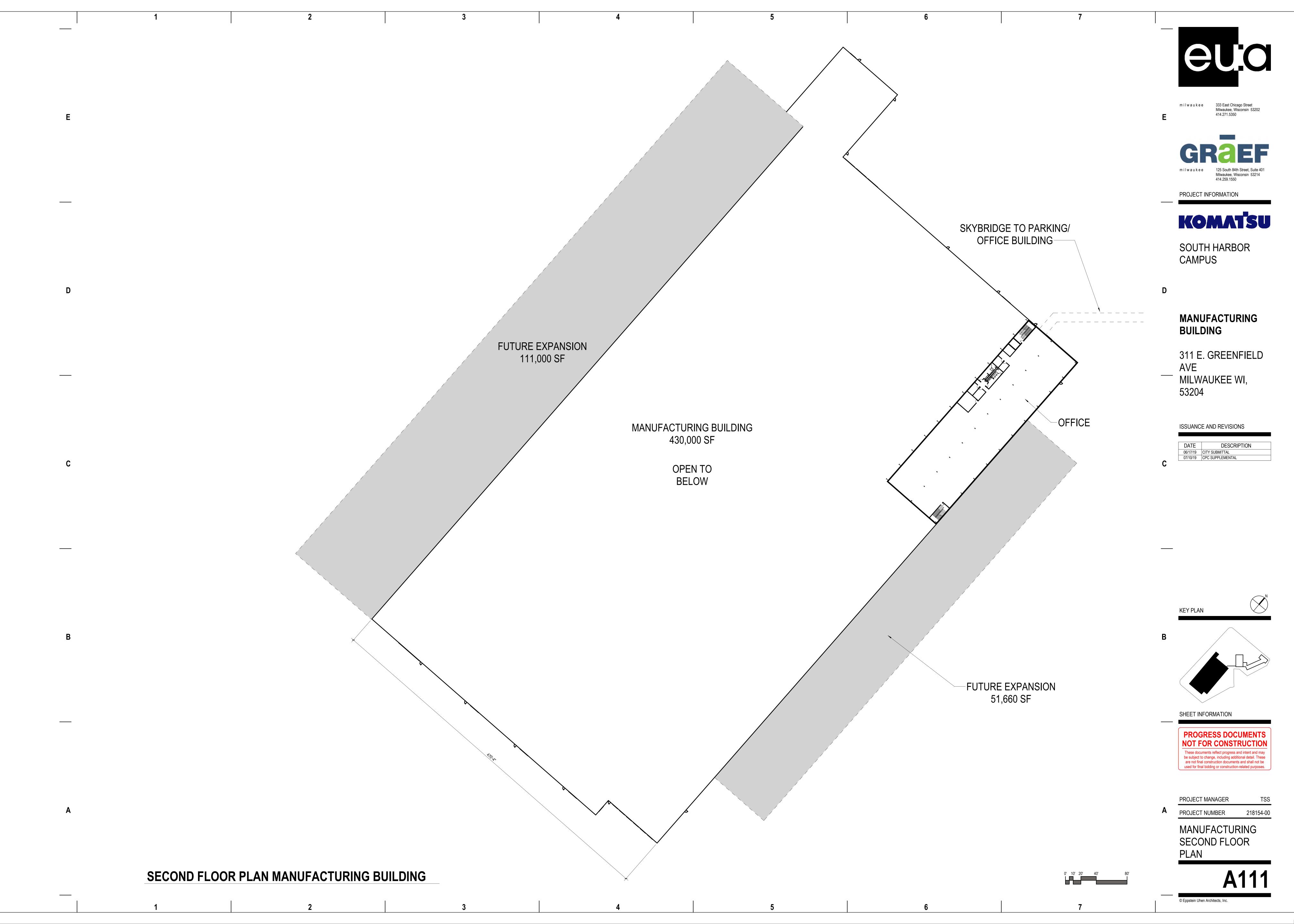
OFFICE FOURTH FLOOR PLAN

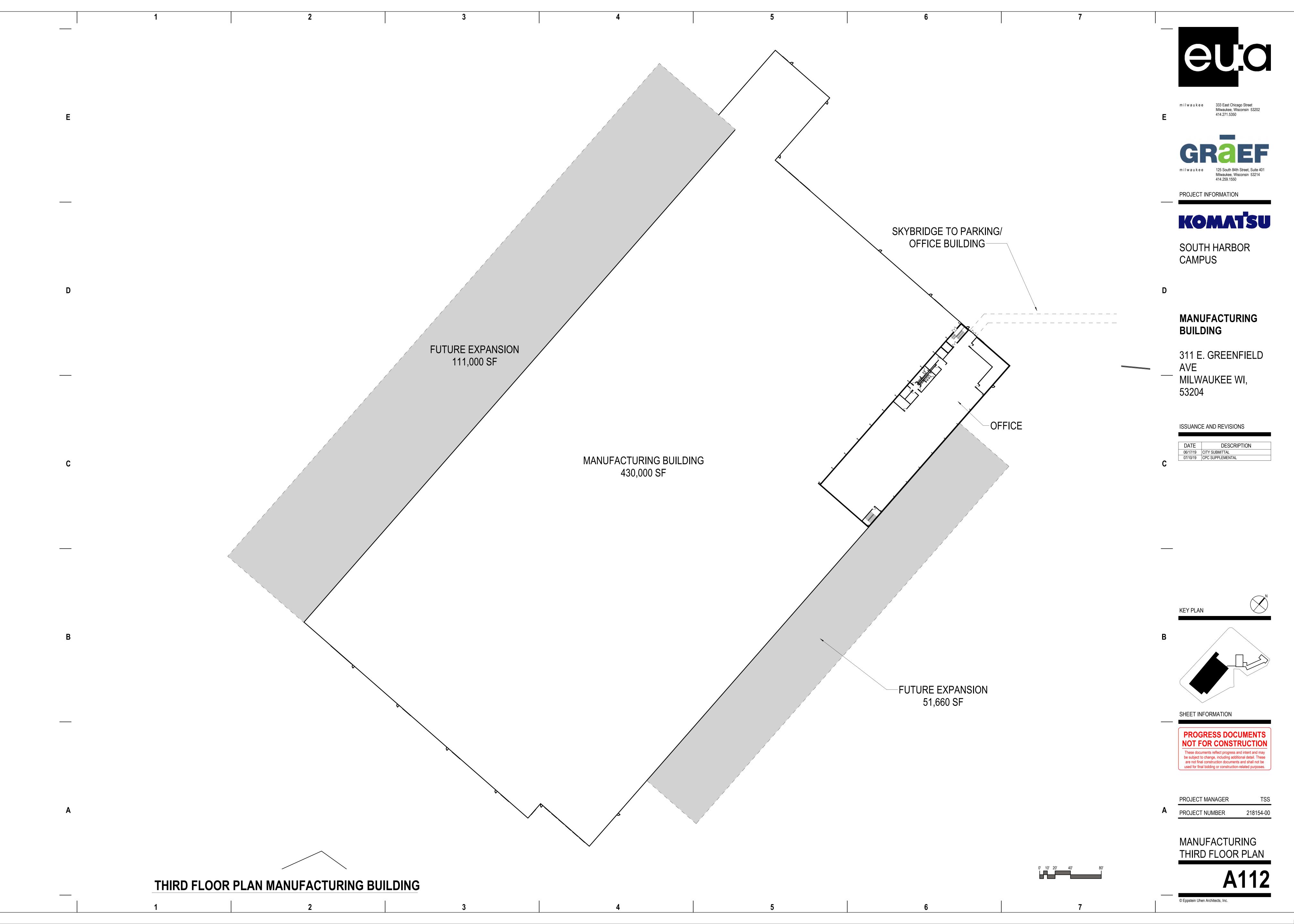
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FOURTH FLOOR PLAN









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SOUTH HARBOR CAMPUS

)

OFFICE BUILDING

401 E. GREENFIELD
AVE
MILWAUKEE WI,
53204

ISSUANCE AND REVISIONS

DATE DESCRIPTION

06/17/19 CITY SUBMITTAL

07/10/19 CPC SUPPLEMENTAL

MUSEUM BUILDING OFFICE BUILDING FABRICATION LAB PARKING DECK MANUFACTURING BUILDING

KOMATSU

NORTH - ELEVATION
NTS

MANUFACTURING BUILDING

SKYBRIDGE TO /FROM MANUFACTURING BUILDING

MANUFACTURING BUILDING

MANUFACTURING BUILDING

MUSEUM

MANUFACTURING BUILDING

MUSEUM

MANUFACTURING BUILDING

EAST - ELEVATION NTS

4 5

SHEET INFORMATION

SHEET INFORMATION

KEY PLAN

PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION

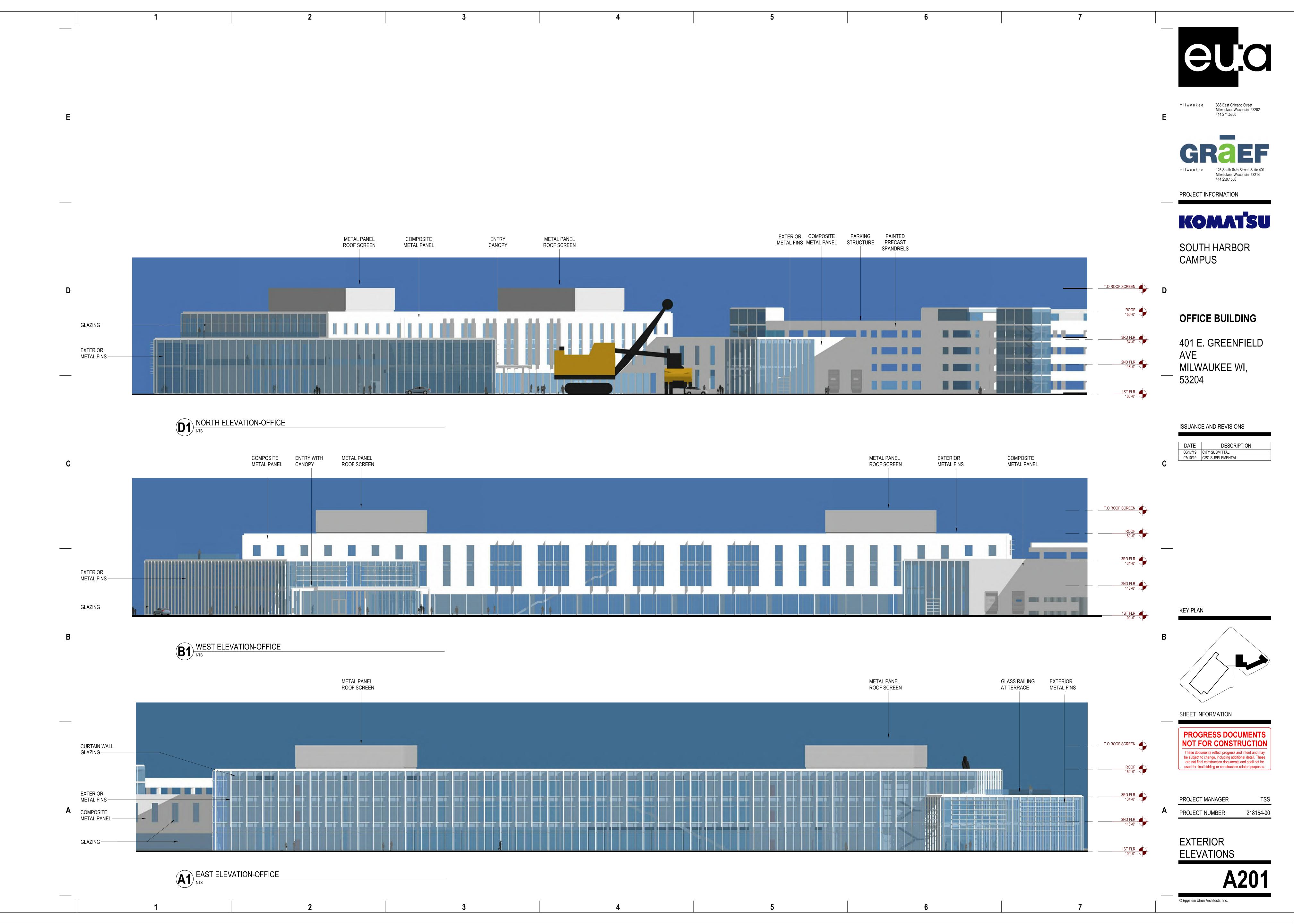
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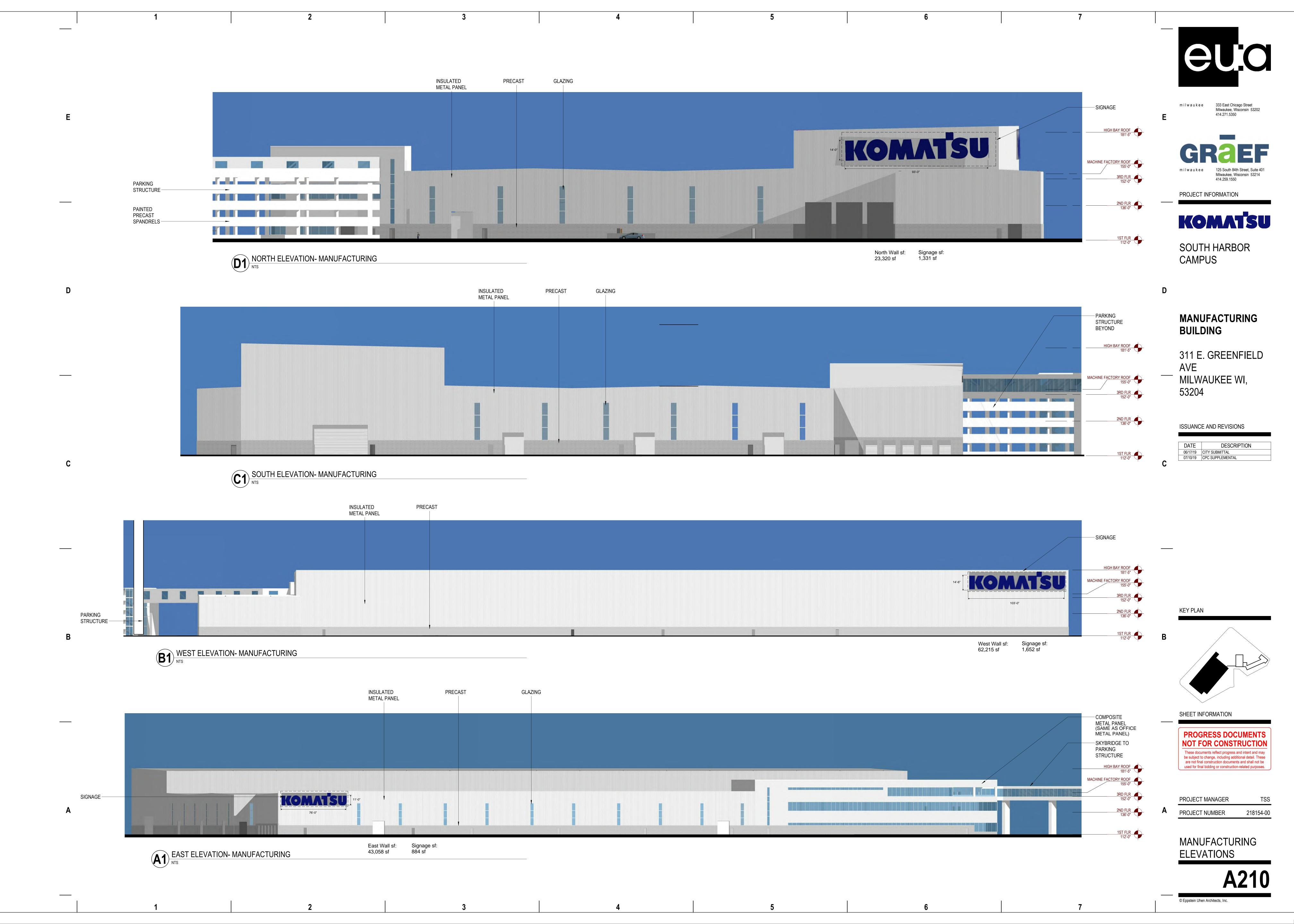
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PROJECT NUMBER 218154

SITE EXTERIOR ELEVATIONS

A200
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SOUTH HARBOR CAMPUS

OFFICE BUILDING

401 E. GREENFIELD AVE MILWAUKEE WI,

ISSUANCE AND REVISIONS

06/17/19 CITY SUBMITTAL
07/10/19 CPC SUPPLEMENTAL



VIEW TO THE SOUTH



VIEW TO THE EAST



VIEW TO THE NORTH

VIEW TO THE WEST

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CONTEXT PHOTOS

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PROJECT INFORMATION



SOUTH HARBOR CAMPUS

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OFFICE BUILDING

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53204

ISSUANCE AND REVISIONS

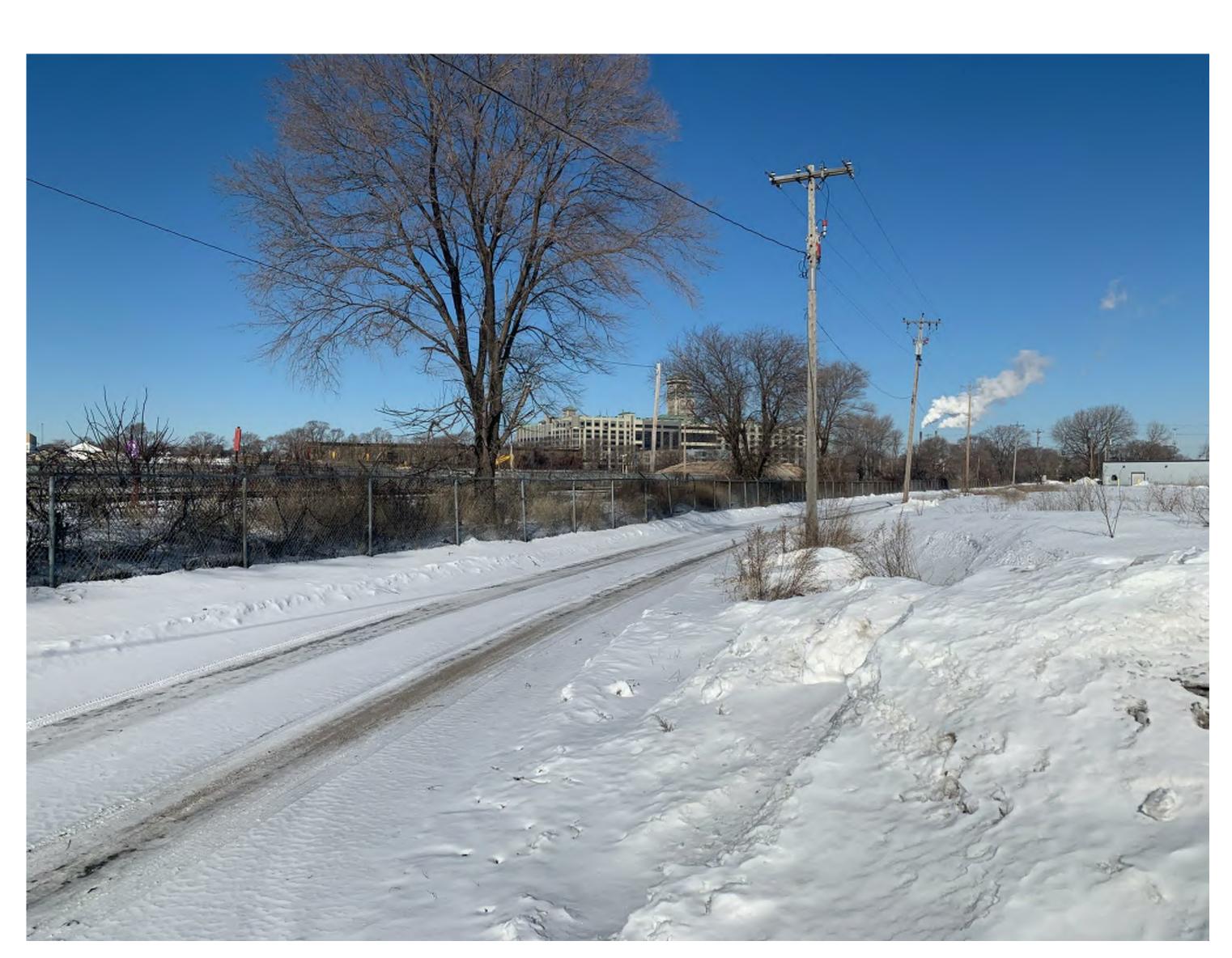
DATE DESCRIPTION

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NORTHWEST VIEW



ON GREENFIELD AVE LOOKING WEST

ON GREENFIELD AVE LOOKING NORTHWEST

NORTHEAST VIEW

2 4 5

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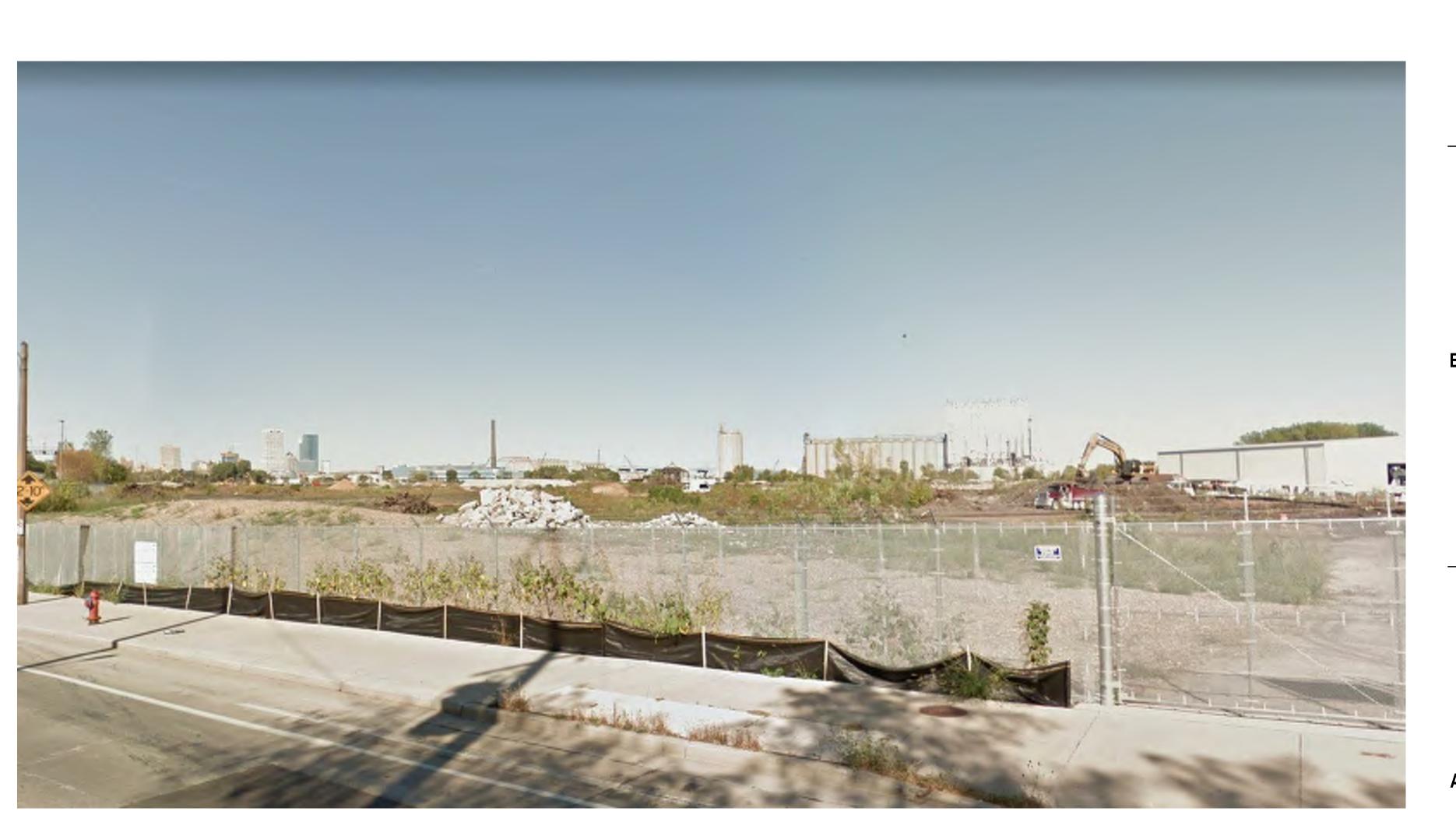
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CONTEXT PHOTOS
A231

SITE IMAGE



VIEW FROM GREENFIELD AVE



VIEW FROM S KINNICKINNIC AVE



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SOUTH HARBOR CAMPUS

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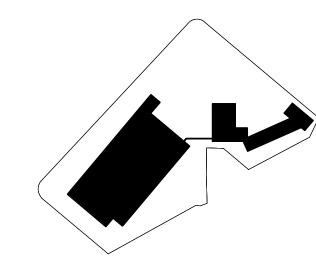
MANUFACTURING BUILDING

311 E. GREENFIELD
AVE
MILWAUKEE WI,
53204

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CONTEXT PHOTOS

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