

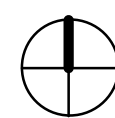
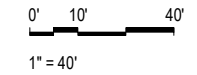
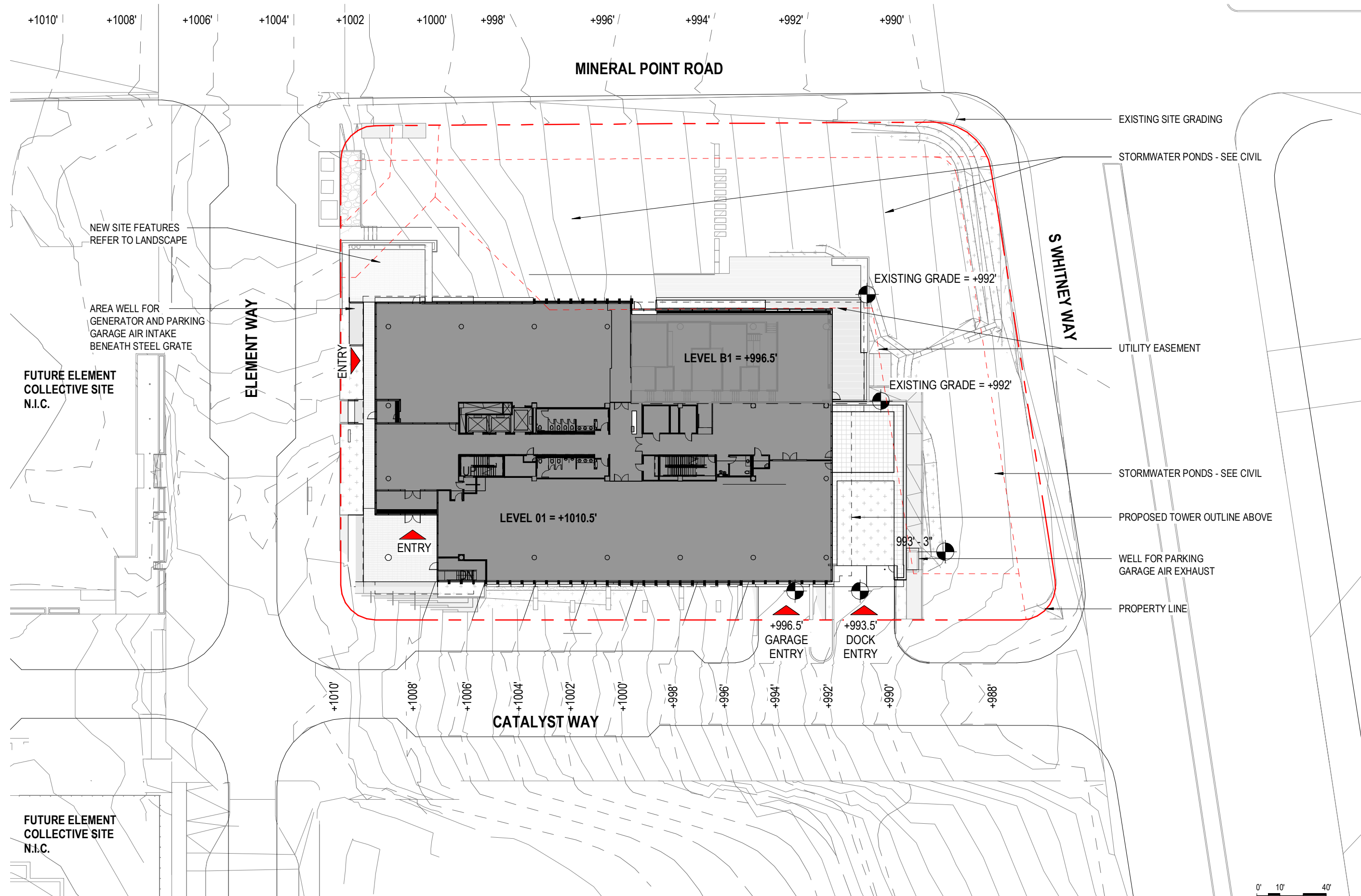
# UNIVERSITY RESEARCH PARK - ELEMENT LABS



**CONDITIONAL USE PERMIT**  
**14 JULY 2021**

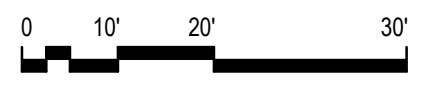
SHEET INDEX		
SHEET NUMBER	SHEET NAME	CONDITIONAL USE PERMIT - JULY 14, 2021
A0.00	COVER SHEET	•
A01.01	SITE PLAN	•
A10.01	LEVEL P3 FLOOR PLAN	•
A10.02	LEVEL P2 FLOOR PLAN	•
A10.03	LEVEL P1 FLOOR PLAN	•
A10.04	LEVEL B1 FLOOR PLAN	•
A10.05	LEVEL 1 FLOOR PLAN	•
A10.06	LEVEL 2 FLOOR PLAN	•
A10.07	LEVEL 3 FLOOR PLAN	•
A10.08	LEVEL 4 FLOOR PLAN	•
A10.09	LEVEL 5 FLOOR PLAN	•
A10.10	ROOF FLOOR PLAN	•
A20.01	SOUTH ELEVATION	•
A20.02	EAST ELEVATION	•
A20.03	NORTH ELEVATION	•
A20.04	WEST ELEVATION	•





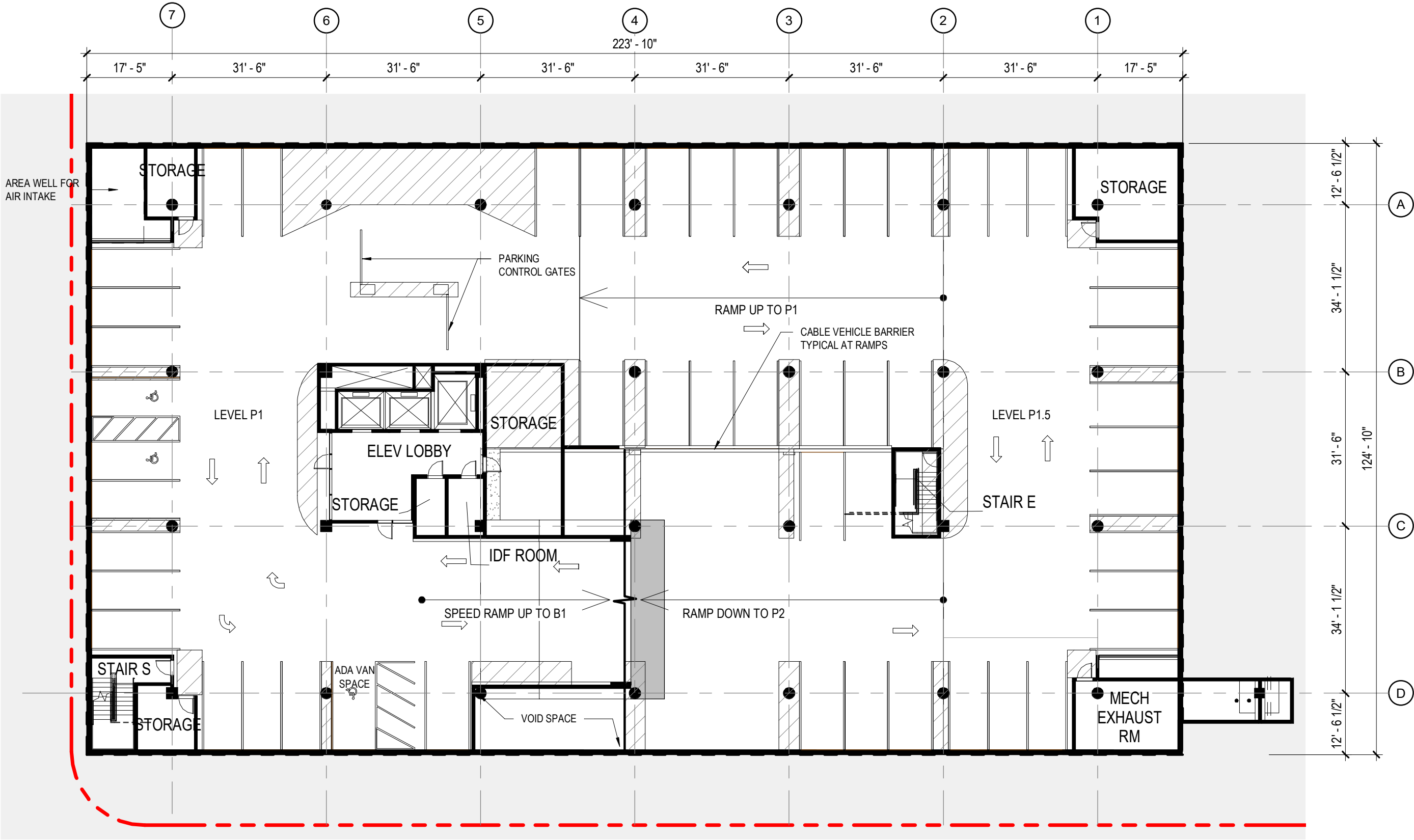


PARKING SCHEDULE	
TOTAL SPACES:	146
ADA SPACES:	5
ADA VAN SPACES:	1
EV CHARGING STATIONS PLANNED:	2
FUTURE:	15



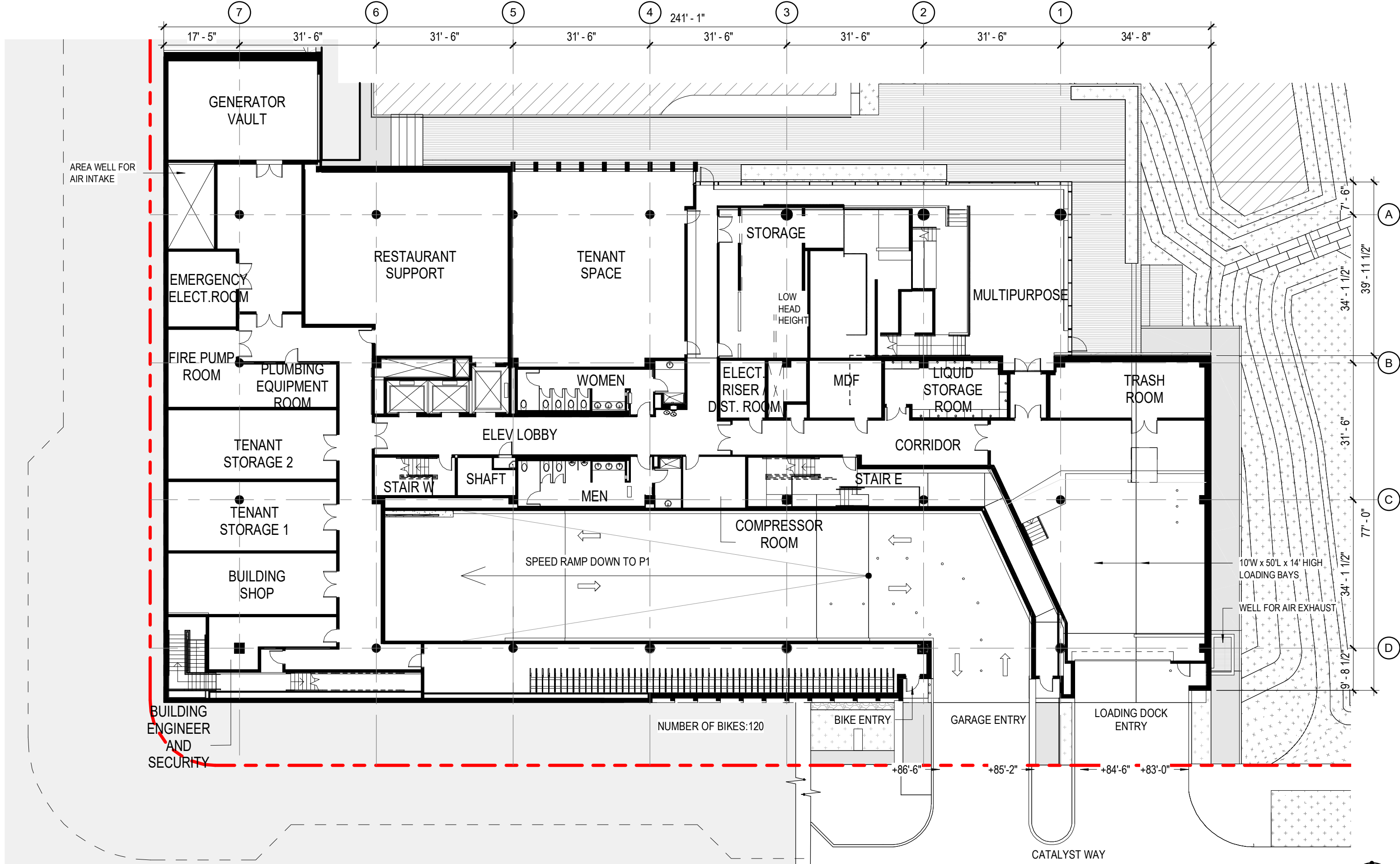
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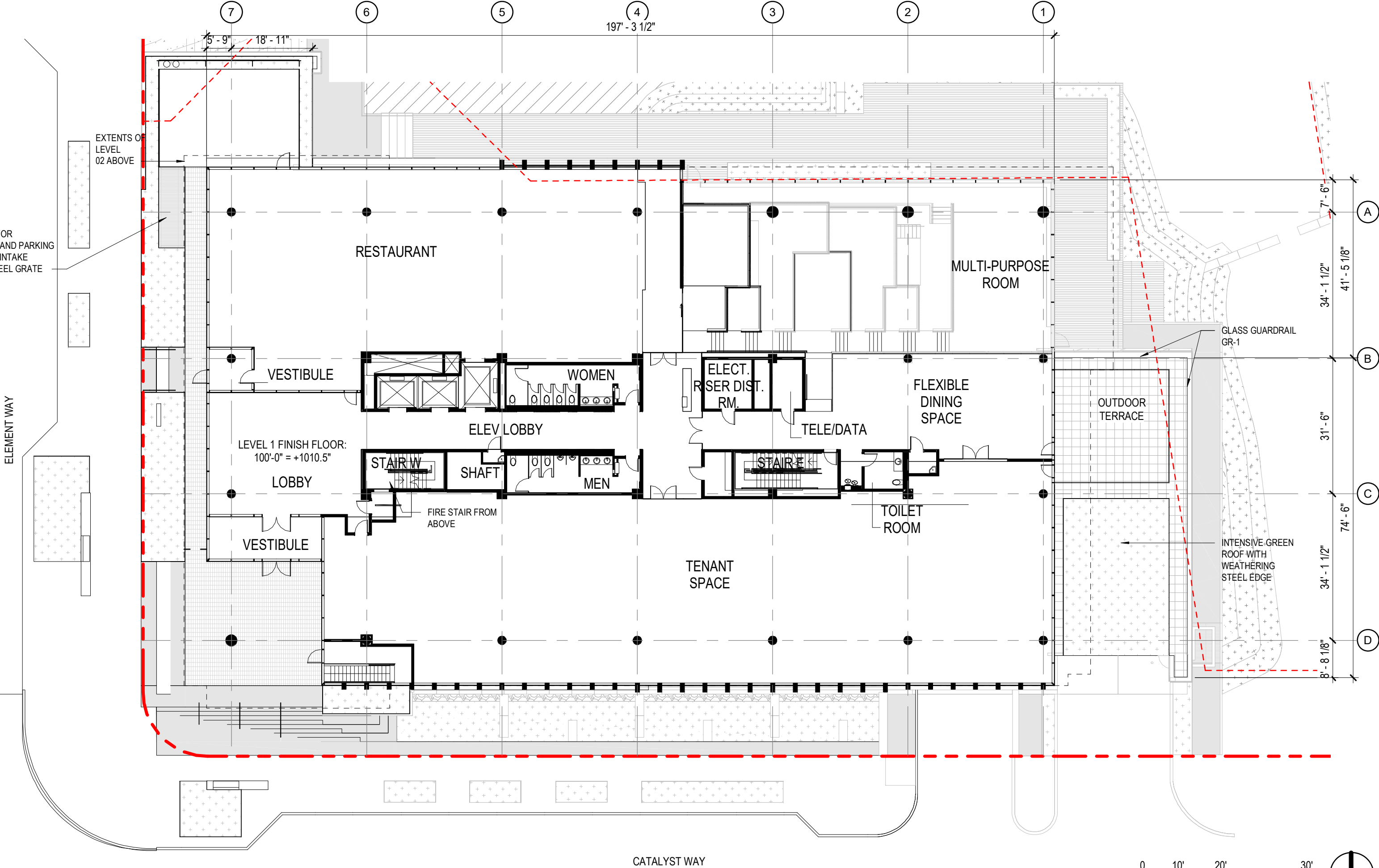


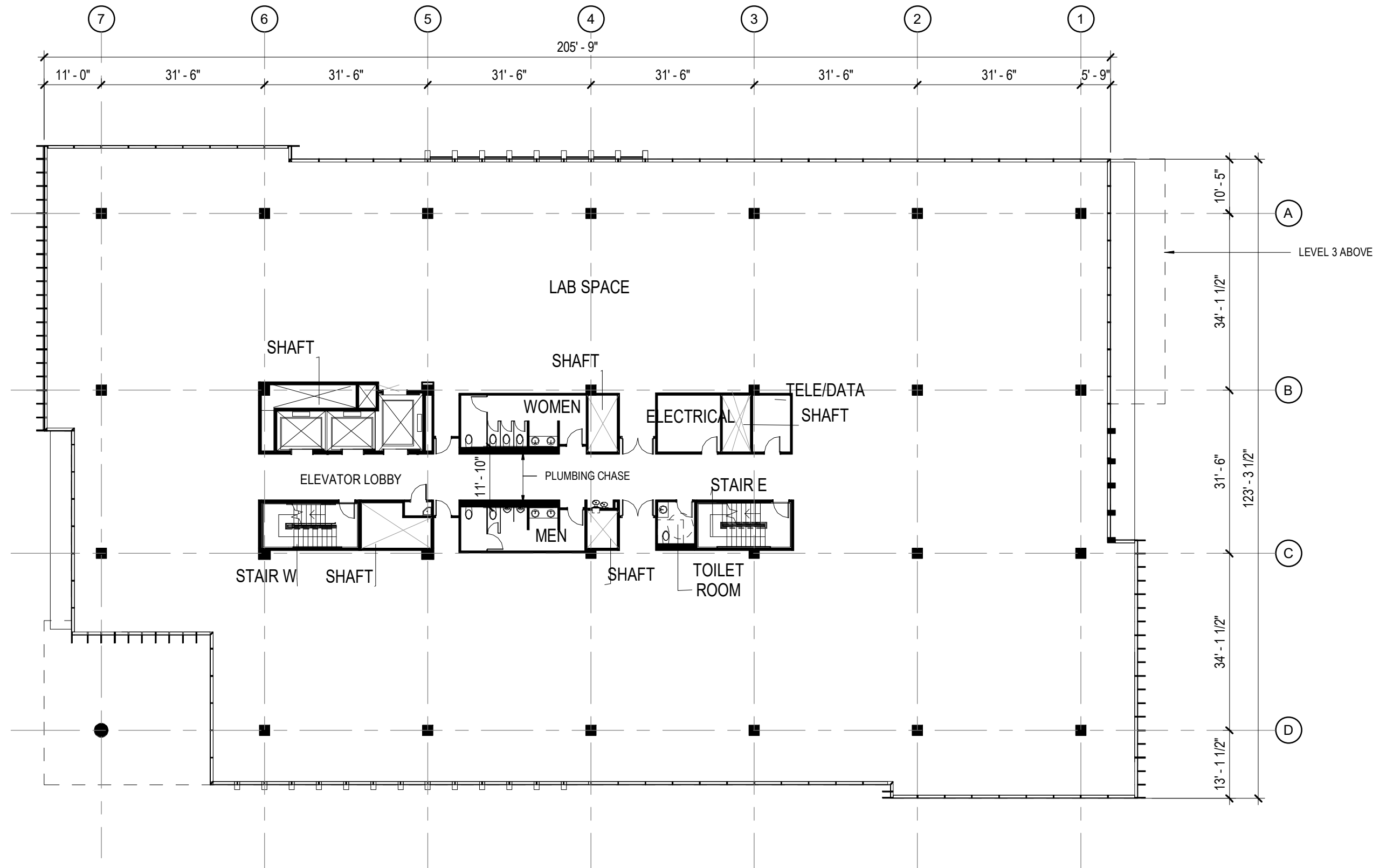


PARKING SCHEDULE	
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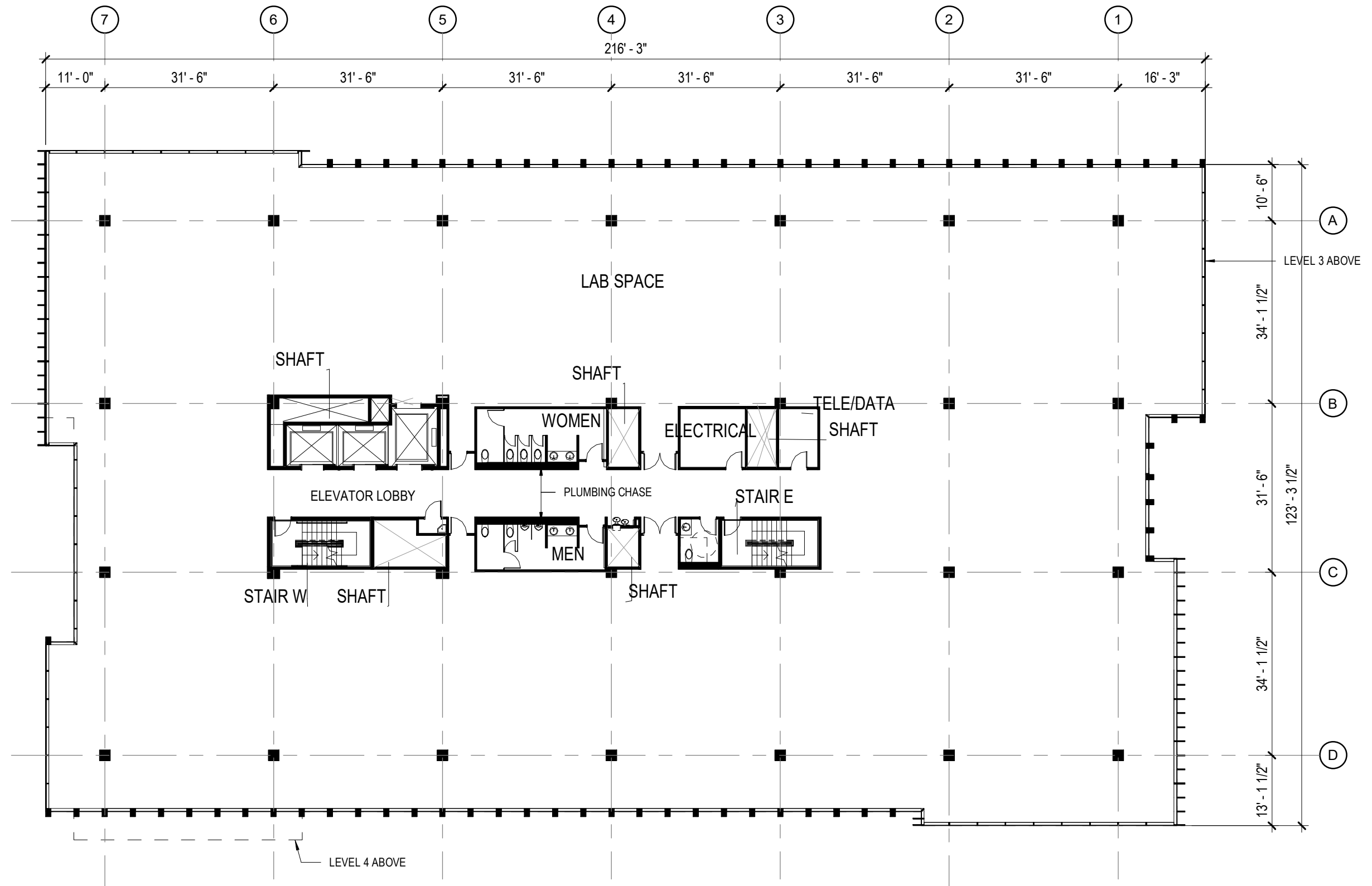


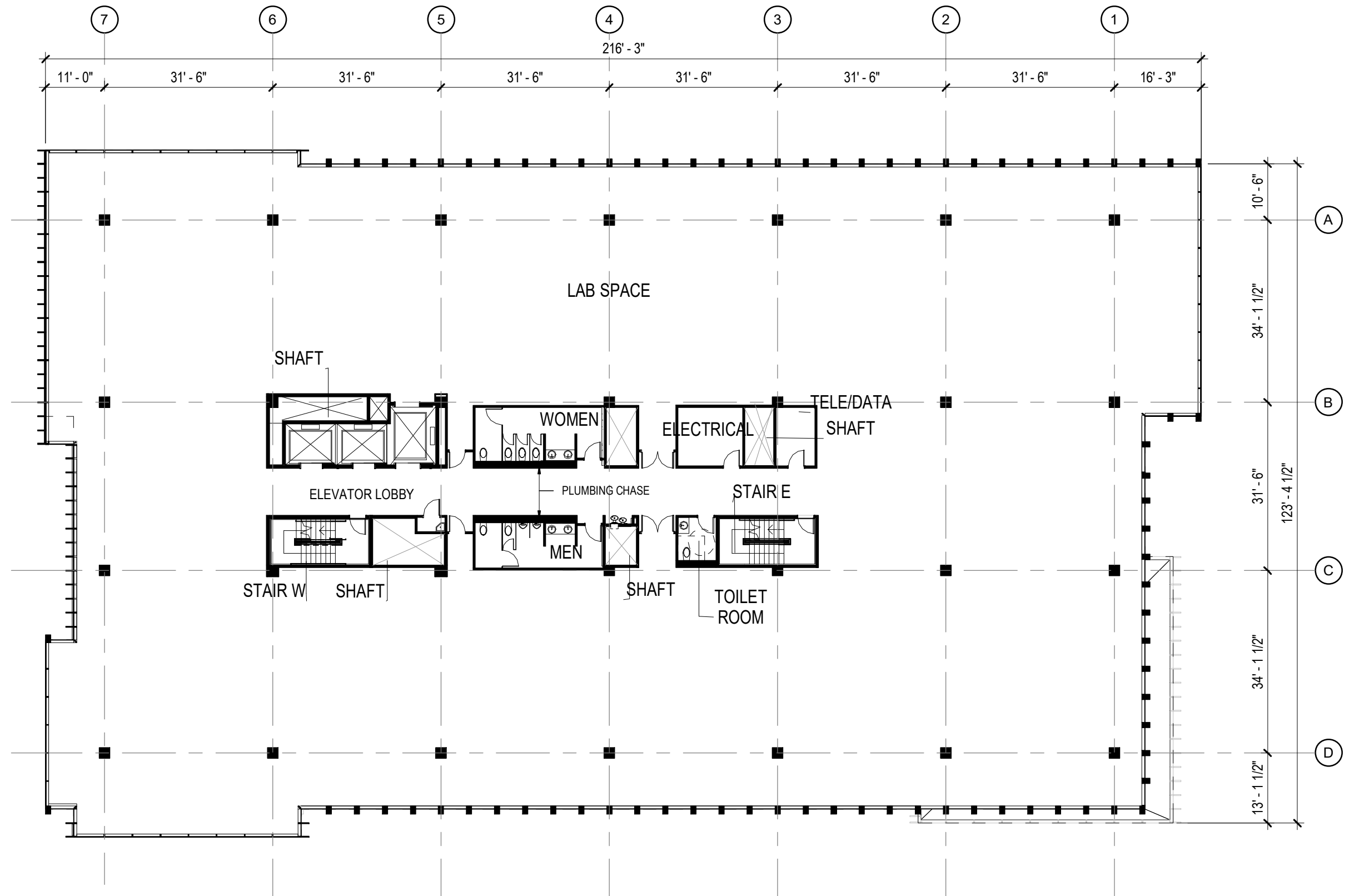


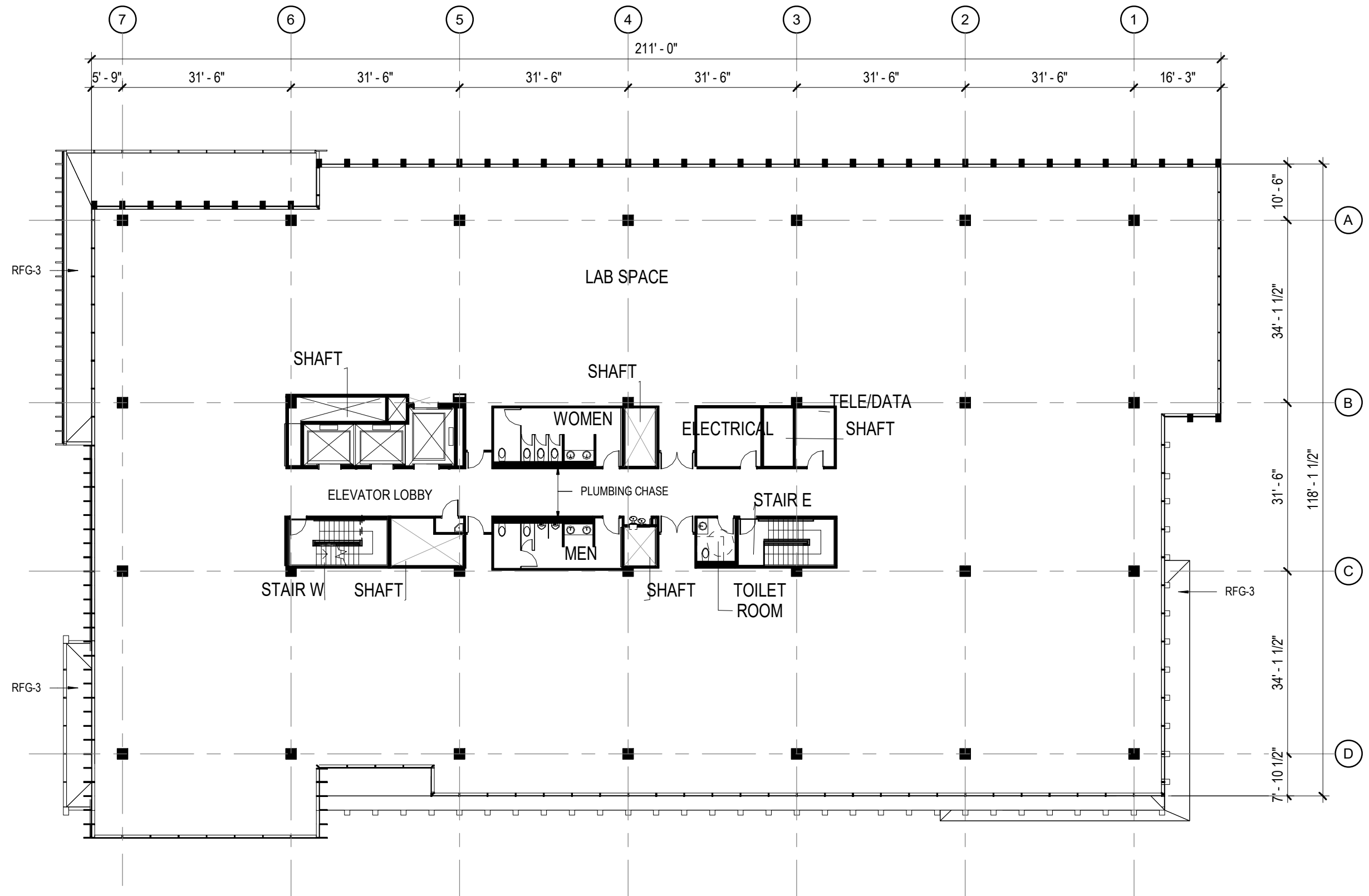


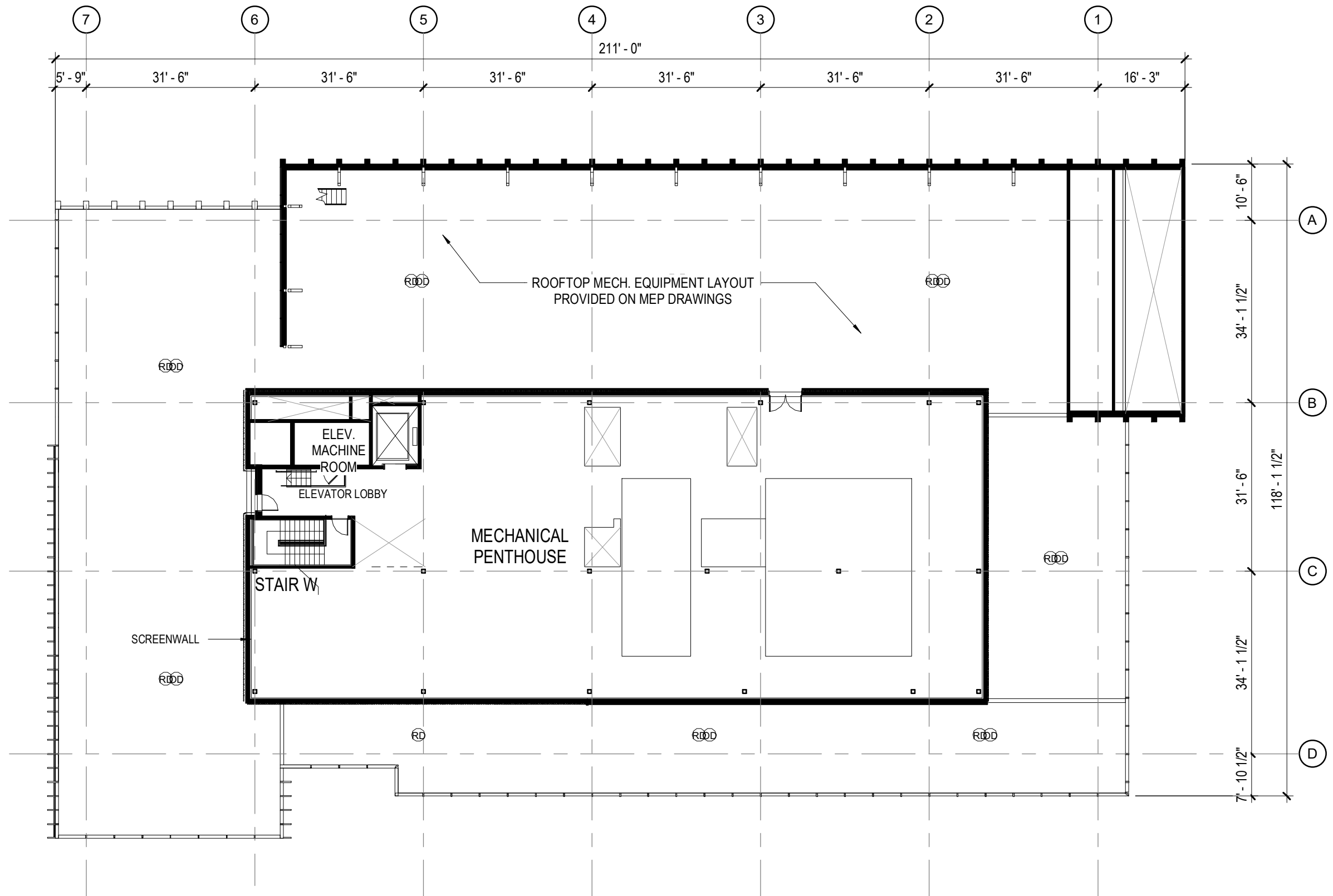


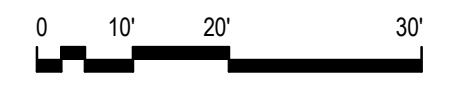
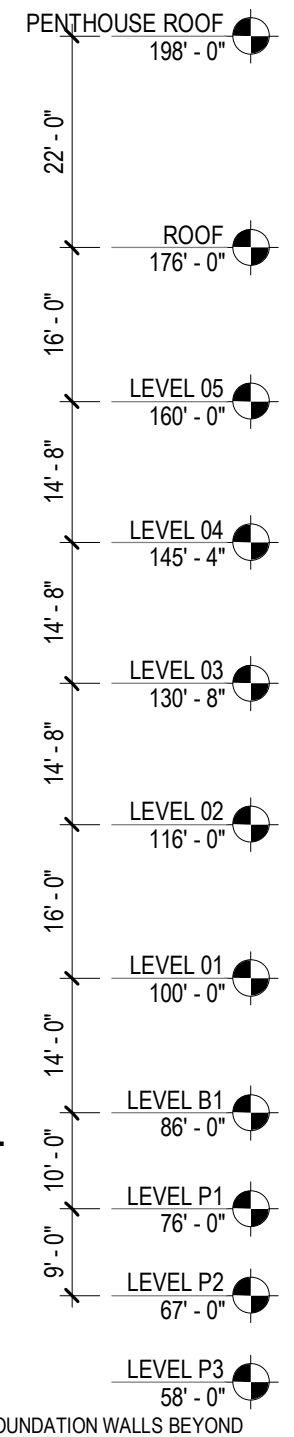
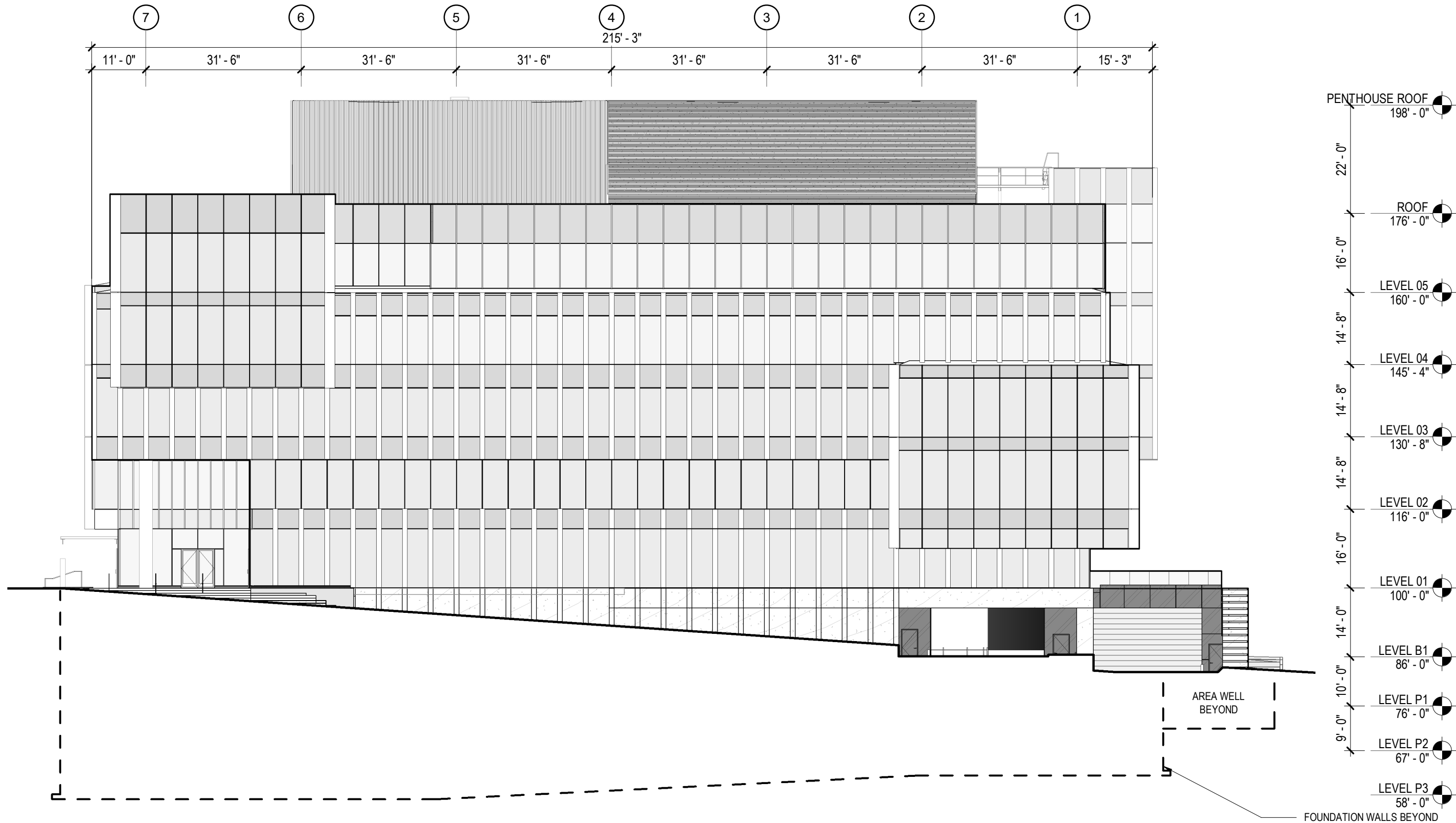










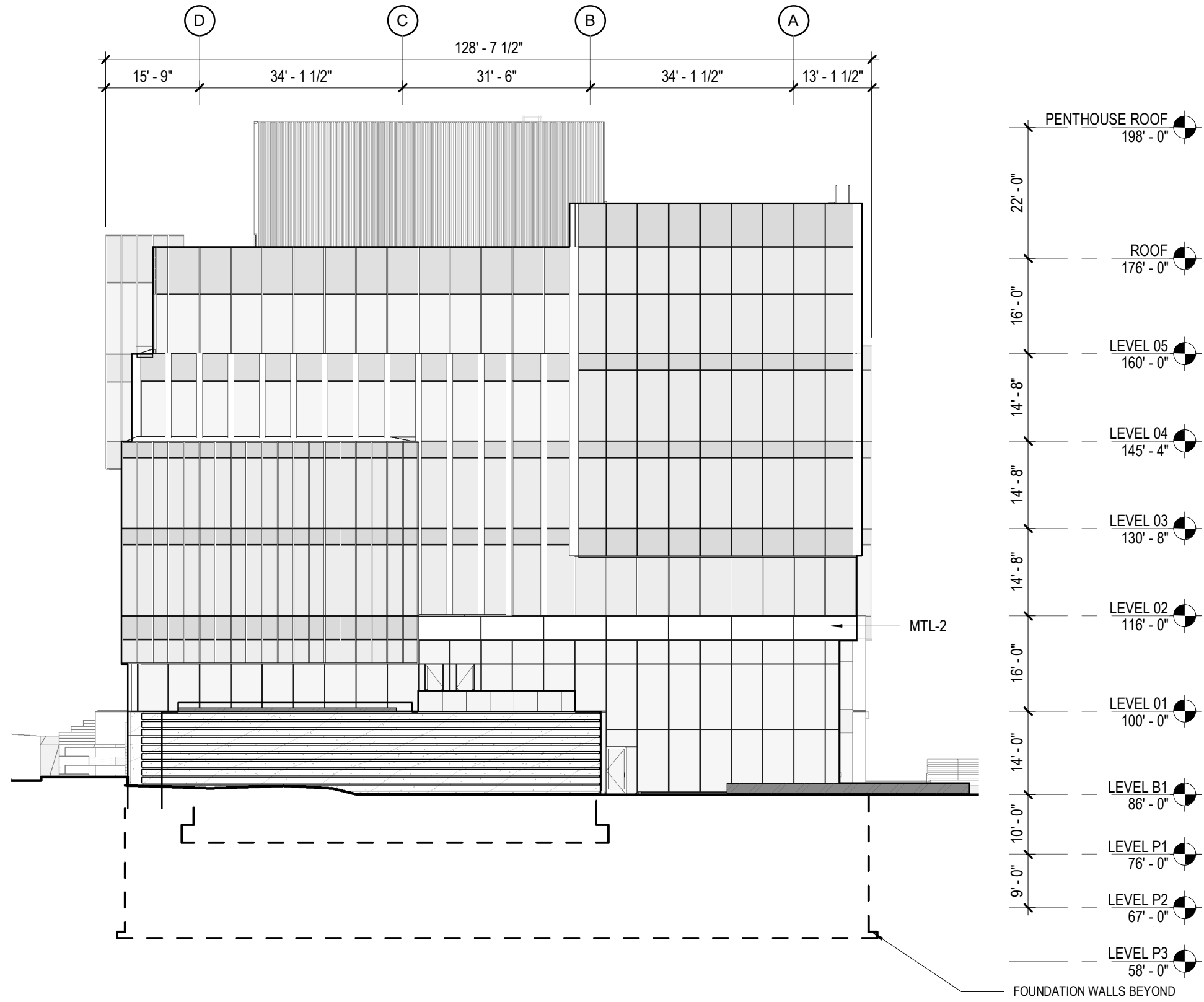


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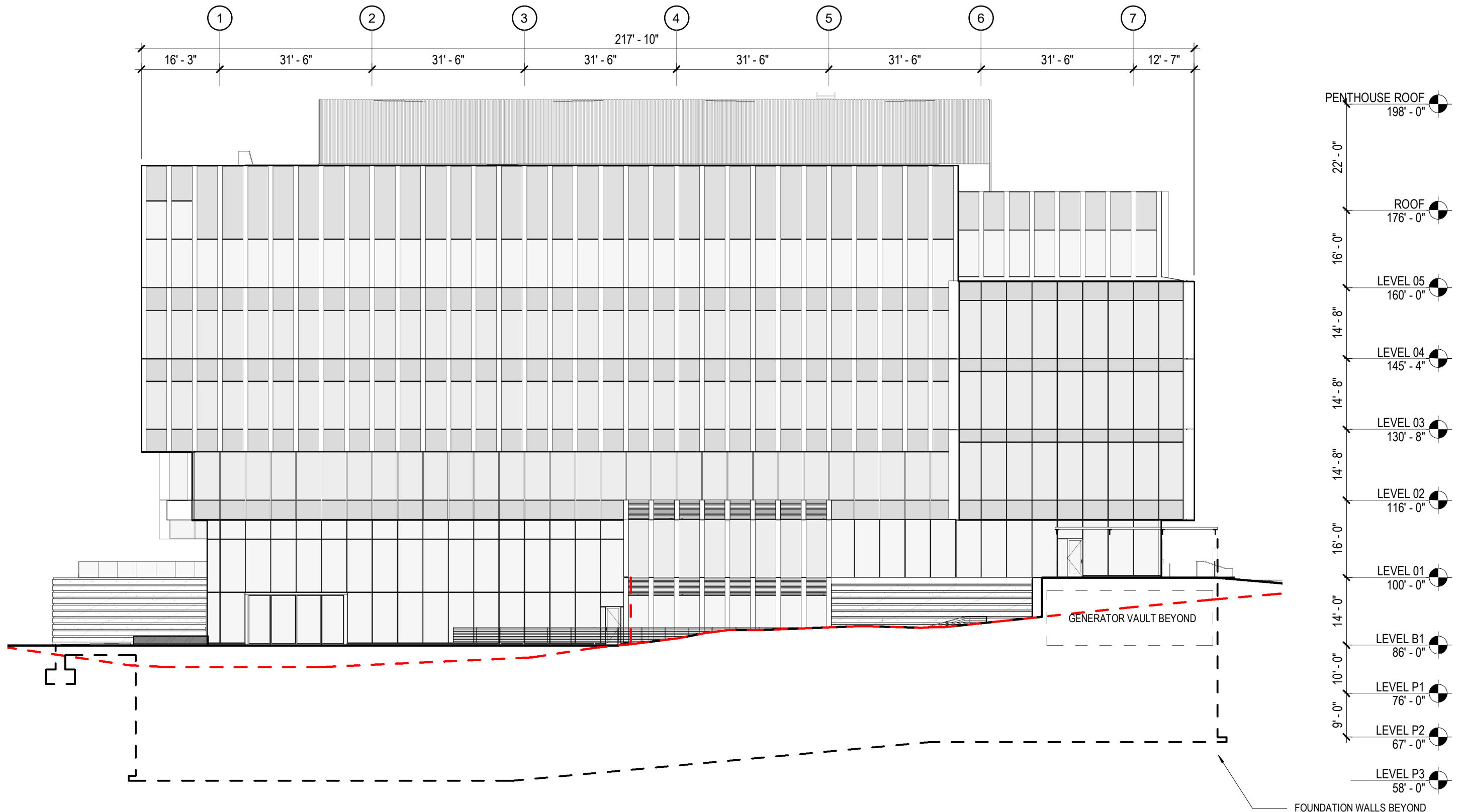


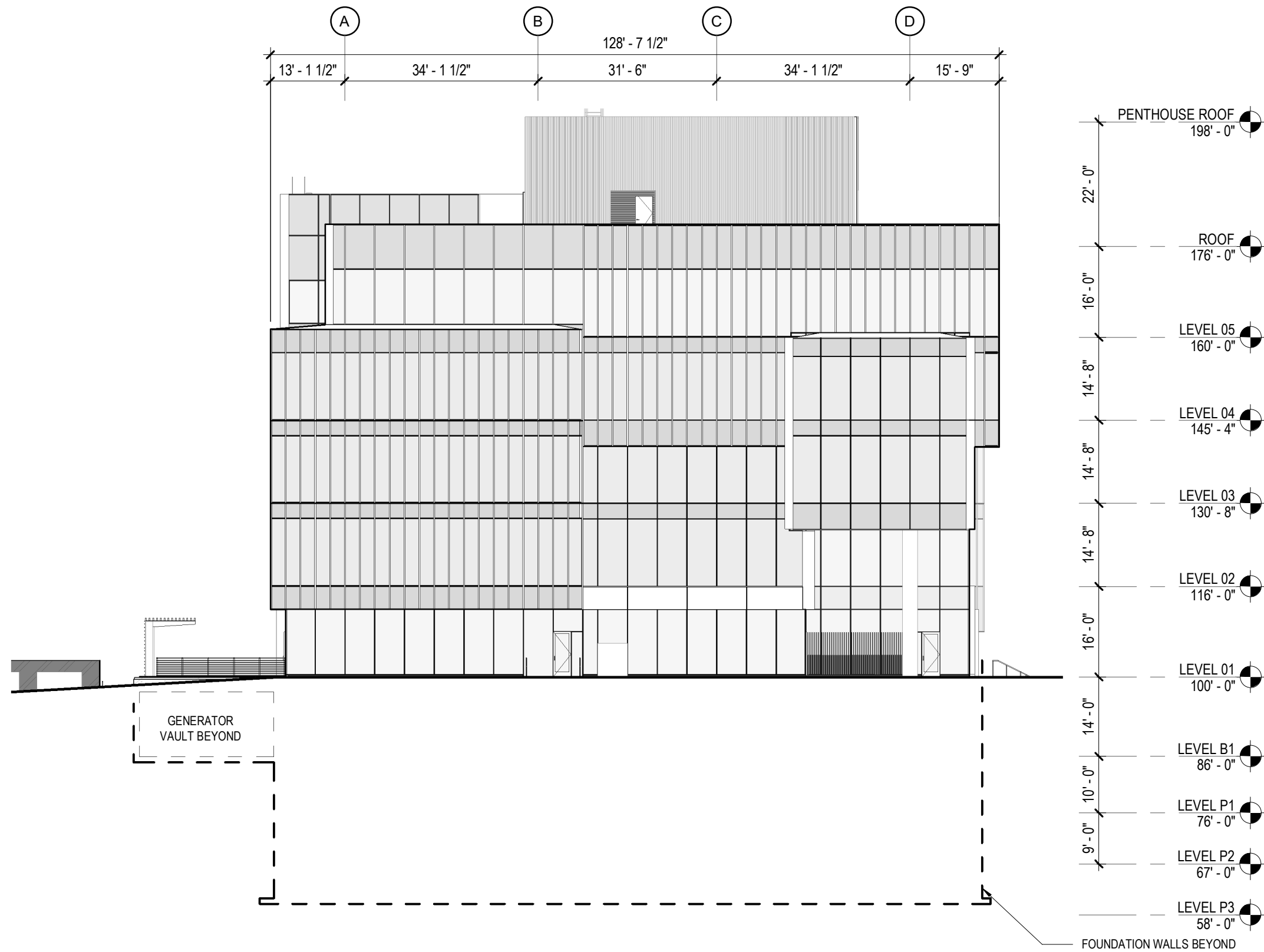
UNIVERSITY RESEARCH PARK -  
ELEMENT LABS

**A20.01 SOUTH ELEVATION**



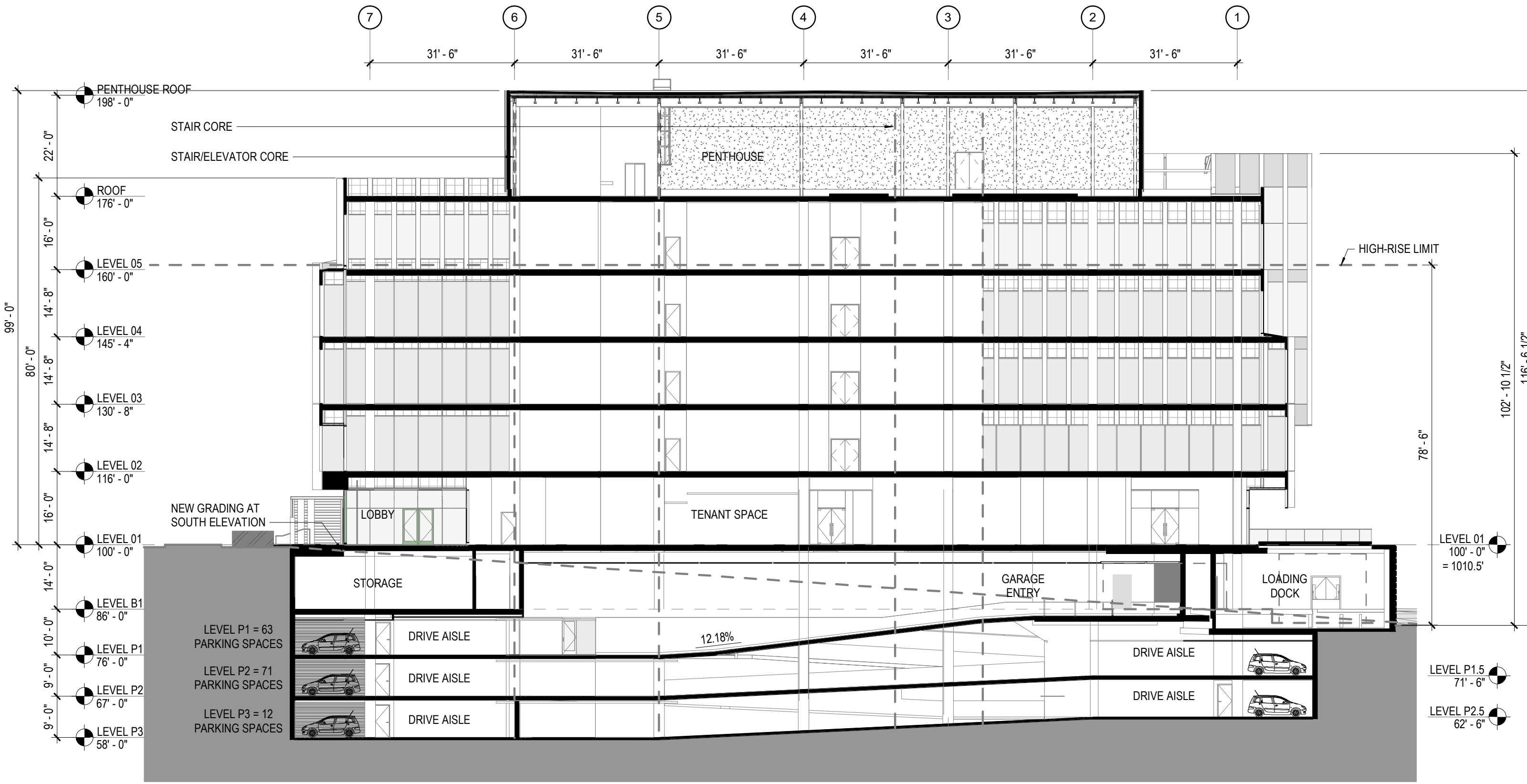
1" = 20'-0"





1" = 20'-0"





# BUILDING HEIGHT CALCULATION



1" = 20'-0"

# UNIVERSITY RESEARCH PARK - ELEMENT LABS

1 JUNE 2021  
PW PROJECT #021130.000



## ISSUED FOR SITE PLAN APPROVAL DOCUMENTS

The Wiegley Building  
410 North Michigan Ave.  
Suite 1600  
Chicago, IL 60611  
1 312.755.0770  
www.perkinswill.com

**CONSULTANTS**

CIVIL  
SmithGroup  
44 East Mifflin Street, Suite 500  
Madison, WI 53703

STRUCTURAL  
GRAEF  
1010 East Washington Avenue, Suite 202  
Madison, WI 53703

MEP  
J. H. FINDORFF & SON INC.  
300 South Bedford Street  
Madison, WI 53719

FACILITY	OWNER	ARCHITECT	INTERIOR DESIGN	STRUCTURAL	MEP	CIVIL	LANDSCAPING	CONTRACTOR			CITY OF MADISON, WI
	UNIVERSITY RESEARCH PARK 510 Charmany Drive, Suite 250 Madison, WI 53719	Perkins and Will 410 Michigan Ave, Suite 1600 Chicago, IL 60611	Perkins and Will 410 Michigan Ave, Suite 1600 Chicago, IL 60611	GRAEF 1010 East Washington Avenue, Suite 202 Madison, WI 53703	J. H. FINDORFF & SON INC. 300 South Bedford Street Madison, WI 53719	SmithGroup 44 East Mifflin Street, Suite 500 Madison, WI 53703	Perkins and Will 80 South 8th Street, #300 Minneapolis, MN 55402	J. H. FINDORFF & SON INC. 300 South Bedford Street Madison, WI 53703			

**OWNER'S TEAM**

OWNER  
UNIVERSITY RESEARCH PARK  
510 Charmany Drive, Suite 250  
Madison, WI 53719

OWNER'S REPRESENTATIVE  
SMOCKE & ASSOCIATES, INC.  
925 E. Wells St., #1118, P.O. Box 51267  
Milwaukee, WI 53202

CONSTRUCTION MANAGER  
J. H. FINDORFF & SON INC.  
300 South Bedford Street  
Madison, WI 53703

PARKING LOT PLAN SITE INFORMATION BLOCK	
SITE ADDRESS SITE AVERAGE (TOTAL)	MINERAL POINT RD. / WHITNEY WAY (425 CHARMANY DR.) 1.44 ACRES
NUMBER OF BUILDING STORIES (ABOVE GRADE)	5 (EXCLUDING PENTHOUSE)
BUILDING HEIGHT	96 FEET
CONSTRUCTION TYPE (NEW STRUCTURES OR ADDITIONS)	1B
TOTAL SQUARE FOOTAGE OF BUILDING	198,000 SQFT
USE OF PROPERTY	BUSINESS
GROSS SQUARE FEET OF OFFICE	115,722 SQFT
GROSS SQUARE FEET OF RETAIL AREA	4,804 SQFT
NUMBER OF EMPLOYEES IN WAREHOUSE	NA
NUMBER OF EMPLOYEES IN PRODUCTION AREA	500
CAPACITY OF RESTAURANT / PLACE IN ASSEMBLY	200
NUMBER OF BICYCLE STALLS SHOWN	60
NUMBER OF PARKING STALLS:	
SMALL CAR	NA
LARGE CAR	118
ACCESSIBLE	5
TOTAL	123
NUMBER OF TREES SHOWN	46

SHEET INDEX			
SHEET NUMBER	SHEET NAME	SCHEMATIC DESIGN - 18 MAR 2021	DESIGN DEVELOPMENT - 27 MAY 2021
01-GENERAL			
G00-01	COVER SHEET, INDEX OF DRAWINGS		
G01-01	LEVEL P2-B1 CODE COMPLIANCE PLANS		
G01-02	LEVEL 01-03 CODE COMPLIANCE PLANS		
G01-03	LEVEL 04-ROOF CODE COMPLIANCE PLANS		
G10-10	AXONOMETRICS		
02-CIVIL			
CE100	EXISTING CONDITIONS		
CP100	SITE PREP AND EROSION CONTROL PLAN		
CP500	EROSION CONTROL DETAILS		
CG100	GRADING PLAN		
CU100	UTILITY PLAN		
CS00	SITE AND UTILITY DETAILS		
CS01	UTILITY DETAILS		
CS001	FIRE ACCESS PLAN		
03-LANDSCAPE			
L01-00	OVERALL SITE PLAN		
L02-00	MATERIALS & LAYOUT PLAN		
L02-01	ENLARGED MATERIALS & LAYOUT PLAN W		
L02-02	ENLARGED MATERIALS & LAYOUT PLAN E		
L03-01	ENLARGED GRADING PLAN W		
L03-02	ENLARGED GRADING PLAN E		
L04-00	SOILS & IRRIGATION PLAN		
L05-01	ENLARGED PLANTING PLAN W		
L05-02	ENLARGED PLANTING PLAN E		
L06-00	SECTIONS		
L06-01	SECTIONS		
L07-00	ELEVATION		
L08-01	HARDSCAPE DETAILS		
L08-02	PLANTING DETAILS		
04-ARCHITECTURE			
A00-01	ARCHITECTURAL ABBREVIATIONS, SYMBOLS, AND GEN NOTES		
A01-00	ARCHITECTURAL SITE PLAN		
A10-01	LEVEL P2 FLOOR PLAN		
A10-02	LEVEL P1 FLOOR PLAN		
A10-03	LEVEL B1 FLOOR PLAN		
A10-04	LEVEL 01 FLOOR PLAN		
A10-05	LEVEL 02 FLOOR PLAN		
A10-06	LEVEL 03 FLOOR PLAN		
A10-07	LEVEL 04 FLOOR PLAN		
A10-08	LEVEL 05 FLOOR PLAN		
A10-09	ROOF PLAN		
A10-10	PENTHOUSE ROOF PLAN		
A12-01	LEVEL P2 REFLECTED CEILING PLAN		
A12-02	LEVEL P1 REFLECTED CEILING PLAN		
A12-03	LEVEL B1 REFLECTED CEILING PLAN		
A12-04	LEVEL 01 REFLECTED CEILING PLAN		
A12-05	LEVEL 02 REFLECTED CEILING PLAN		
A12-06	LEVEL 03 REFLECTED CEILING PLAN		
A12-07	LEVEL 04 REFLECTED CEILING PLAN		
A12-08	LEVEL 05 REFLECTED CEILING PLAN		
A12-09	PENTHOUSE REFLECTED CEILING PLAN		
A13-01	LEVEL 01 FINISH PLAN		
A20-01	WEST EXTERIOR ELEVATION		
A20-02	NORTH EXTERIOR ELEVATION		
A20-03	EAST EXTERIOR ELEVATION		
A20-04	SOUTH EXTERIOR ELEVATION		
A21-01	BUILDING SECTIONS		
A21-02	BUILDING SECTIONS		
A21-03	BUILDING SECTIONS		
A21-04	BUILDING SECTIONS		
A30-01	PARTIAL PLAN, SECTION AND ELEVATIONS		
A30-02	PARTIAL PLAN, SECTION AND ELEVATIONS		
A30-03	PARTIAL PLAN, SECTION AND ELEVATIONS		
A30-04	PARTIAL PLAN, SECTION AND ELEVATIONS		
A30-05	PARTIAL PLAN, SECTION AND ELEVATIONS		
A30-06	PARTIAL PLAN, SECTION AND ELEVATIONS		
A30-07	PARTIAL PLAN, SECTION AND ELEVATIONS		

SHEET INDEX			
SHEET NUMBER	SHEET NAME	SCHEMATIC DESIGN - 18 MAR 2021	DESIGN DEVELOPMENT - 27 MAY 2021
A30-08	PARTIAL PLAN, SECTION AND ELEVATIONS		
A30-09	PARTIAL PLAN, SECTION AND ELEVATIONS		
A30-10	PARTIAL PLAN, SECTION AND ELEVATIONS		
A30-11	PARTIAL PLAN, SECTION AND ELEVATIONS		
A30-12	PARTIAL PLAN, SECTION AND ELEVATIONS		
A30-13	PARTIAL PLAN, SECTION AND ELEVATIONS		
A30-14	PARTIAL PLAN, SECTION AND ELEVATIONS		
A32-01	EXTERIOR ENVELOPE DETAILS - TYPICAL		
A40-01	ENLARGED CORE PLANS		
A40-02	ENLARGED CORE PLANS		
A40-03	ENLARGED CORE PLANS		
A41-01	ENLARGED STAIR PLANS AND SECTIONS		
A41-02	ENLARGED STAIR PLANS AND SECTIONS		
A41-03	ENLARGED STAIR PLANS, SECTIONS, AND DETAILS		
A41-40	STAIR DETAILS		
A45-01	INTERIOR ELEVATIONS - LEVEL B1		
A45-02	INTERIOR ELEVATIONS - LEVEL 01		
A45-03	INTERIOR ELEVATIONS - LEVEL 02-05		
A61-01	PARTITION TYPE CHARTS		
A62-01	DOOR SCHEDULE		
A64-01	INTERIOR FINISH SCHEDULE AND LEGEND		
06-STRUCTURAL			
S001	GENERAL NOTES		
S002	GENERAL INFORMATION		
S003	GENERAL FOUNDATION DETAILS		
S005	GENERAL ROOF DECK DETAILS		
S006	GENERAL TWO-WAY FLAT SLAB DETAILS		
S007	GENERAL MASONRY DETAILS		
S101	FOUNDATION PLAN - LEVEL P2.5 PLAN		
S102	FOUNDATION PLAN - LEVEL P2 PLAN		
S103	FRAMING PLAN - LEVEL P1		
S104	FRAMING PLAN - LEVEL B1		
S105	FRAMING PLAN - LEVEL 01		
S106	FRAMING PLAN - LEVEL 02		
S107	FRAMING PLAN - LEVEL 03		
S108	FRAMING PLAN - LEVEL 04		
S109	FRAMING PLAN - LEVEL 05		
S110	FRAMING PLAN - ROOF		
S111	FRAMING PLAN - PENTHOUSE ROOF		
S501	FOUNDATION DETAILS		
S502	FOUNDATION DETAILS		
S511	POST-TENSION DETAILS		
S512	POST-TENSION DETAILS		
S521	TWO-WAY FLAT SLAB DETAILS		
S531	ROOF DECK DETAILS		
S551	DETAILS		
S552	DETAILS		
S603	CONCRETE COLUMN SCHEDULE		
S604	CONCRETE BEAM SCHEDULE		
S607	SHEARHEAD SCHEDULE		
S608	MISCELLANEOUS SCHEDULES		
06-PARKING			
AG10-01	LEVEL P2 - PARKING FLOOR PLAN		
AG10-02	LEVEL P1 - PARKING FLOOR PLAN		
AG10-03	LEVEL B1 - PARKING FLOOR PLAN		
AG501	SIGN SCHEDULE AND COMPONENTS		
AG502	SIGN AND PARKING DETAILS		
07-LIGHTING			
EL-00	LIGHTING SYMBOLS AND ABBREVIATIONS		
EL-01	LIGHTING SITE PLAN		
EL-02	LIGHTING SITE PLAN CALCULATIONS		
EL-03	LIGHTING FIGURE SCHEDULE		
EL-04	LIGHTING CUT SHEETS - SITE		
EL-05	LIGHTING CUT SHEETS - SITE		
EL-06	LIGHTING CUT SHEETS - SITE		

### DRAWING NUMBER KEY

**KEY**

A - ARCHITECTURE  
C - CIVIL  
L - LANDSCAPE  
M - MECHANICAL  
E - ELECTRICAL  
P - PLUMBING  
FP - FIRE PROTECTION  
S - STRUCTURAL

NUMBER OF PLAN, DETAIL, ETC. ON SHEET  
DISCIPLINE  
DRAWING SERIES

15/A11-01

### PROJECT DATA

**PROJECT INFORMATION:**  
SITE WORK: STORMWATER MANAGEMENT WITH DRY AND WET PONDS FOR STORMWATER RETENTION. SUBGRADE WATER RETENTION TO ADDRESS LARGER CAMPUS WIDE MANAGEMENT PLAN.

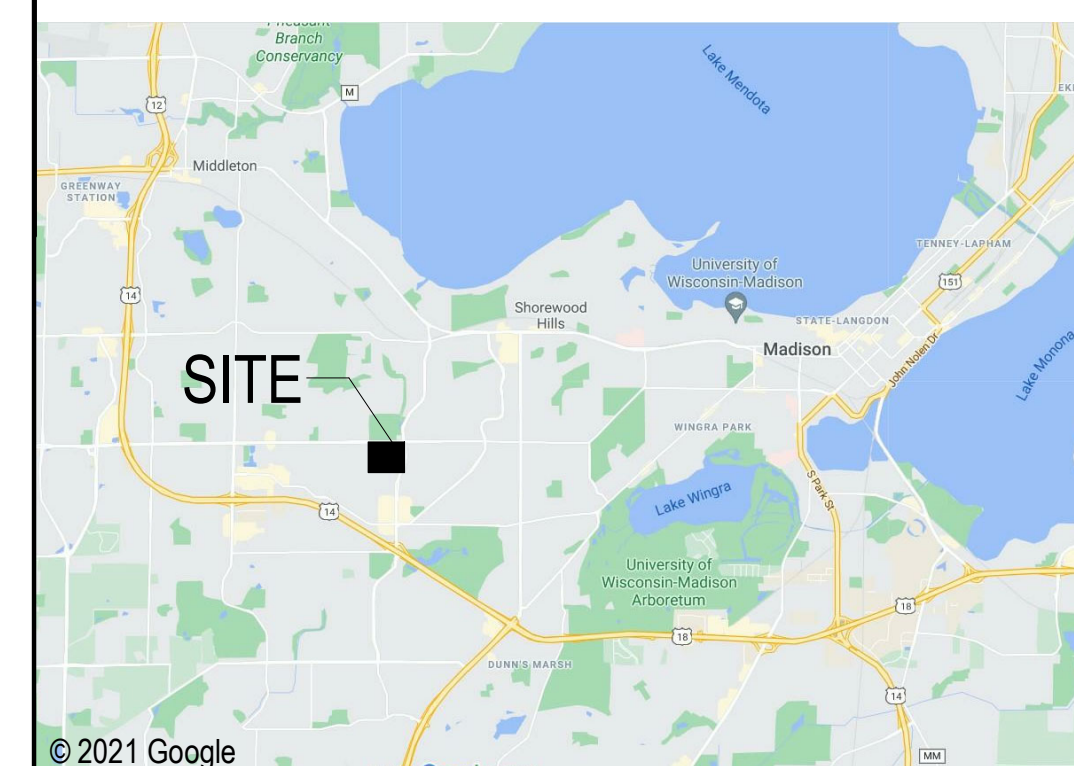
PARKING GARAGE: PARKING ACCESS AT LEVEL B1 WITH SPEED RAMP FOR ACCESS TO TWO LEVELS OF SUB-GRADE PARKING TOTALLING 122 SPACES

NEW FIVE STORY BUILDING: CONCRETE FRAMED STRUCTURE

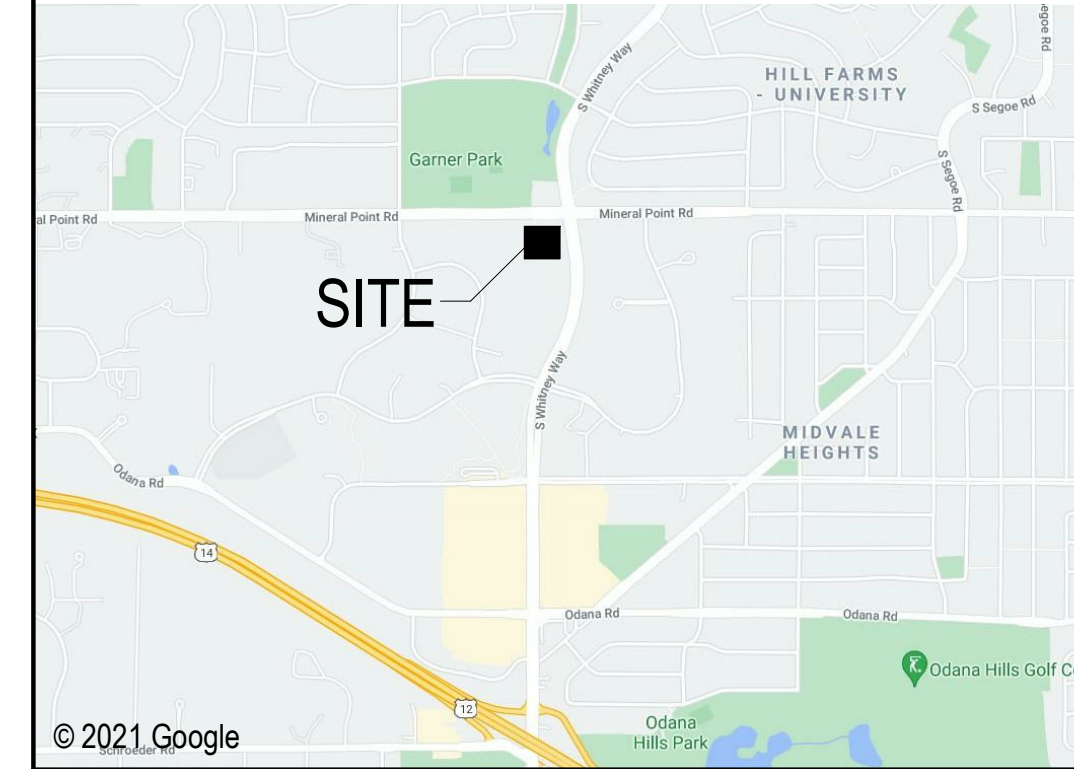
**CODES LAWS:**  
BUILDING CODE: 2015 INTERNATIONAL BUILDING CODE (IBC) SPS 362 - BUILDINGS AND STRUCTURES (WISCONSIN SPECIFIC AMENDMENTS)  
ACCESSIBILITY: 2010 AMERICANS WITH DISABILITIES ACT STANDARDS 2009 ICC A117.1  
ENERGY: 2015 INTERNATIONAL ENERGY CONSERVATION CODE SPS 363 - ENERGY CONSERVATION (WISCONSIN SPECIFIC AMENDMENTS)  
ELEVATOR: 2015 INTERNATIONAL BUILDING CODE CHAPTER 30: ASME A17.1-2007  
ELECTRICAL: 2017 NATIONAL ELECTRIC CODE  
PLUMBING: SPS 380 TO 387 PLUMBING CODE  
HVAC: 2015 INTERNATIONAL MECHANICAL CODE SPS 364 - HEATING, VENTILATION AND AIR CONDITIONING (WISCONSIN SPECIFIC AMENDMENTS)  
FUEL GAS: 2015 INTERNATIONAL FUEL GAS CODE  
FIRE: 2015 INTERNATIONAL FIRE CODE

NOTE: DOCUMENTS ARE INCOMPLETE AND MAY NOT BE USED FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION PURPOSES.

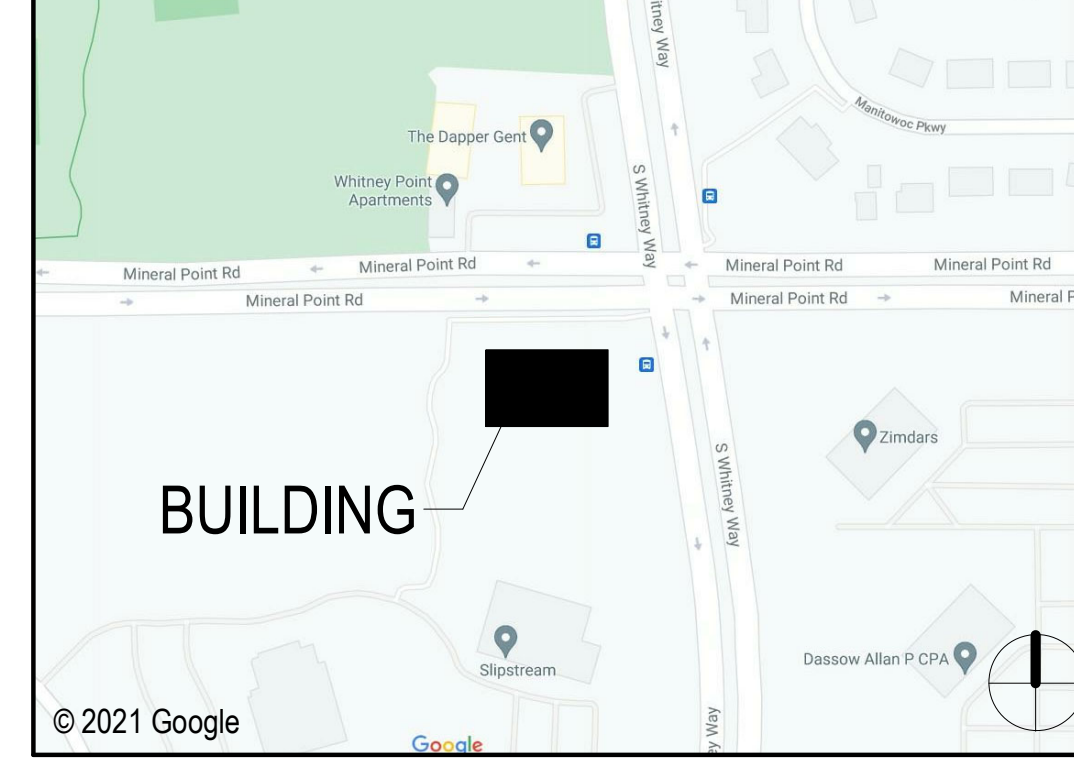
### OVERALL MAP



### VICINITY MAP



### SITE MAP



**OCCUPANCY CLASSIFICATION:**  
2015 IBC - PRIMARY: BUSINESS GROUP B (CHAPTERS 3, 4)  
NFPA 101 - SECONDARY: LOW-HAZARD STORAGE GROUP S-2 (CHAPTERS 3.4)

**PRINCIPAL OCCUPANCY TYPE:**  
BUSINESS GROUP B

**CONSTRUCTION TYPE:**  
NEW: 2015 IBC - TYPE 1-B, FULLY SPRINKLERED

**ALLOWABLE HEIGHT AND BUILD AREAS:** (IBC TABLE 604.3)  
MAX # OF STORIES: 12 ALLOWED  
MAX ALLOWABLE HEIGHT: 180 FEET ALLOWED  
MAX FLOOR AREA: 237,000 SF PER FLOOR  
STORIES PROVIDED: 5 STORIES AT PRIMARY ENTRY  
HEIGHT PROVIDED: 96 FEET LEVEL 1 TO PENTHOUSE ROOF  
TOTAL AREA PROVIDED: 156,000 SF

**FIRE RESISTANCE:** (FOR TYPE 1-B CONSTRUCTION)

BUILDING ELEMENT	FIRE RATING	U.L. ASSEMBLY
STRUCTURAL FRAME (INCLUDING COLUMNS & GIRDERS)	2-HR	COLUMNS X-772 (W-BEAM) COLUMNS X-771 (TUBES) GIRDERS S-735 (W P936) GIRDERS S-734 (W P732)
SUPPORTING ROOF ONLY	2-HR	COLUMNS X-772 (W-BEAM) COLUMNS X-771 (TUBE) GIRDERS N-762
SUPPORTING ONE OR MORE FLOORS	3-HR	
BEARING WALLS		
EXTERIOR	3-HR	NA
INTERIOR (SUPPORTING ROOF ONLY)	2-HR	NA
NON-BEARING WALLS		
EXTERIOR	0-HR	NA
INTERIOR (SUPPORTING ROOF ONLY)	0-HR	NA
FLOOR CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS (SECONDARY MEMBERS))	2-HR	POST TENSION SLAB (USING NORMAL WEIGHT CONCRETE)
ROOF CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS (SECONDARY MEMBERS))	1-HR	POST TENSION SLAB (USING NORMAL WEIGHT CONCRETE)

NOTES:  
1. ALL FIRE RESISTIVE DESIGN TO BE CONSIDERED THERMALLY RESTRAINED.

ISSUED FOR SITE PLAN APPROVAL 1 JUNE 2021

### UNIVERSITY RESEARCH PARK - ELEMENT LABS



UNIVERSITY RESEARCH PARK  
510 CHARMANY DR. STE. 250  
MADISON, WI 53719

### KEYPLAN



### ISSUE CHART

NO.	DESCRIPTION	DATE
2	SITE PLAN APPROVAL	JUN 1 2021
1	DESIGN DEVELOPMENT	MAY 27 2021

Job Number 021130.000  
TITLE

### COVER SHEET, INDEX OF DRAWINGS

SHEET NUMBER  
**G00-01**





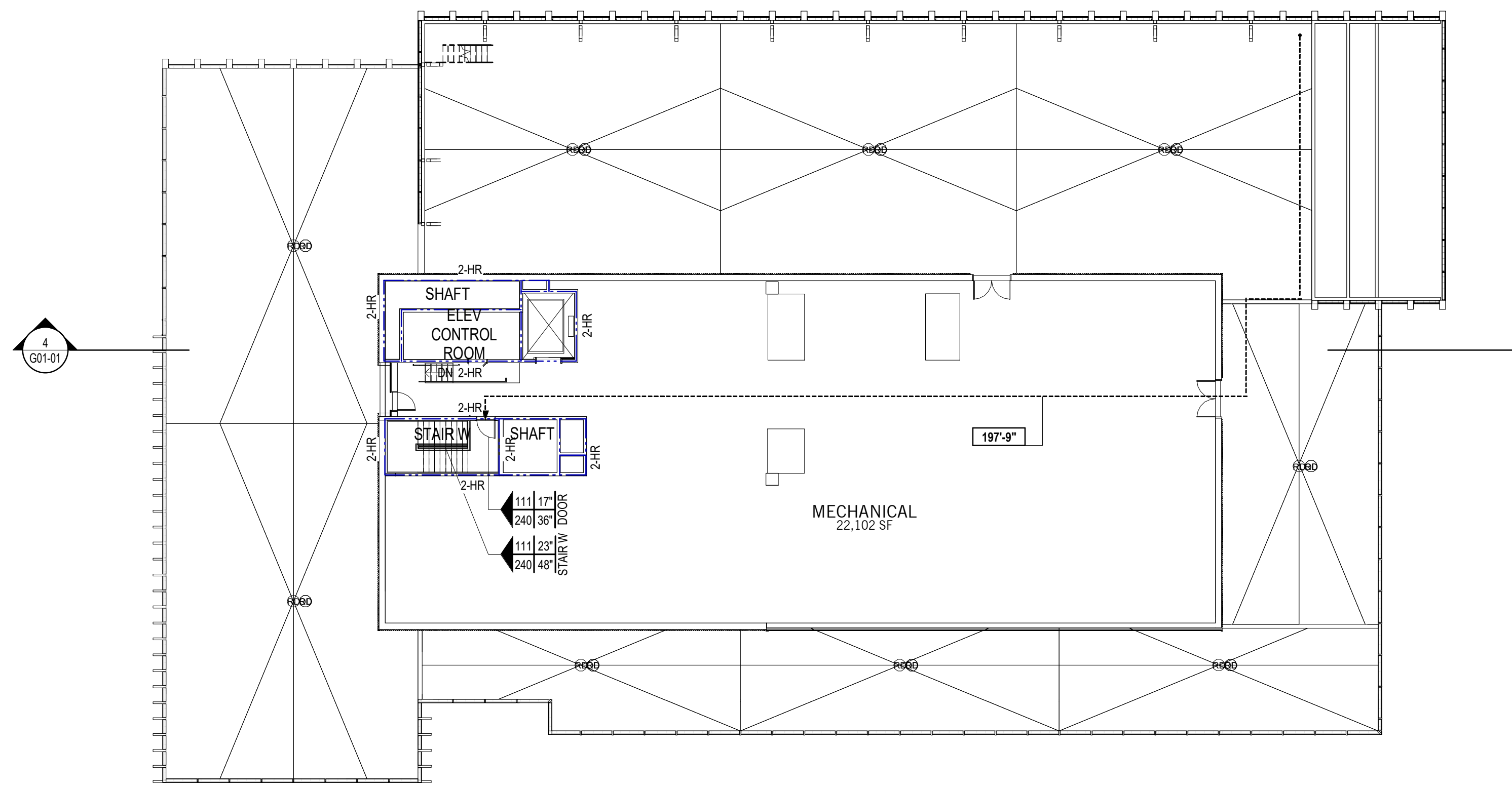
**LIFE SAFETY LEGEND**

PARTITION RATINGS DESIGNATIONS		EXIT CAPACITY (NON-ASSEMBLY)		TRAVEL DISTANCE IBC 2015			EXIT DIMENSION SYMBOL		LIFE SAFETY EGRESS SYMBOL	
	4-HOUR FIRE RESISTANT SEPARATION	STAIRS	0.2 INCHES / OCCUPANT	USE	T.D.	D.E.				
	3-HOUR FIRE RESISTANT SEPARATION	DOORS	0.15 INCHES / OCCUPANT	A	250'	20'				ACTUAL CUMULATIVE POPULATION WIDTH REQUIRED BY CODE BASED ON ACTUAL CUMULATIVE POPULATION
	2-HOUR FIRE RESISTANT SEPARATION	* EGRESS WIDTHS NOTED FOR A FULLY SPRINKLERED BUILDING * 1-H OCCUPANCY REQUIRES 0.3 INCHES / OCCUPANT FOR STAIRS AND 0.2 INCHES / OCCUPANT FOR DOORS IBC 2015 (1005.3)		B	300'	50'				ACTUAL WIDTH PROVIDED
	1-HOUR FIRE RESISTANT SEPARATION			H-1	75'	20'				POPULATION PERMITTED BASED ON WIDTH PROVIDED
	NON RATED			H-2	100'	20'				
				H-3	150'	20'				
				H-4	175'	20'				
				H-5	200'	20'				

**TRAVEL AND DEAD END DISTANCES WITH AUTOMATIC SPRINKLER SYSTEM**  
IBC 2015 (1017.2)  
IBC 2018 (1020.4)

OCCUPANT LOAD CALCULATIONS - ROOF

ROOM NAME	FLOOR AREA	FLOOR AREA PER OCCUPANT	AREA MEASURED	OCCUPANT LOAD
MECHANICAL	22,102 SF	200 SF	S-1	111
Grand total:				111



**4 ROOF LIFE SAFETY PLAN**  
1/16" = 1'-0"

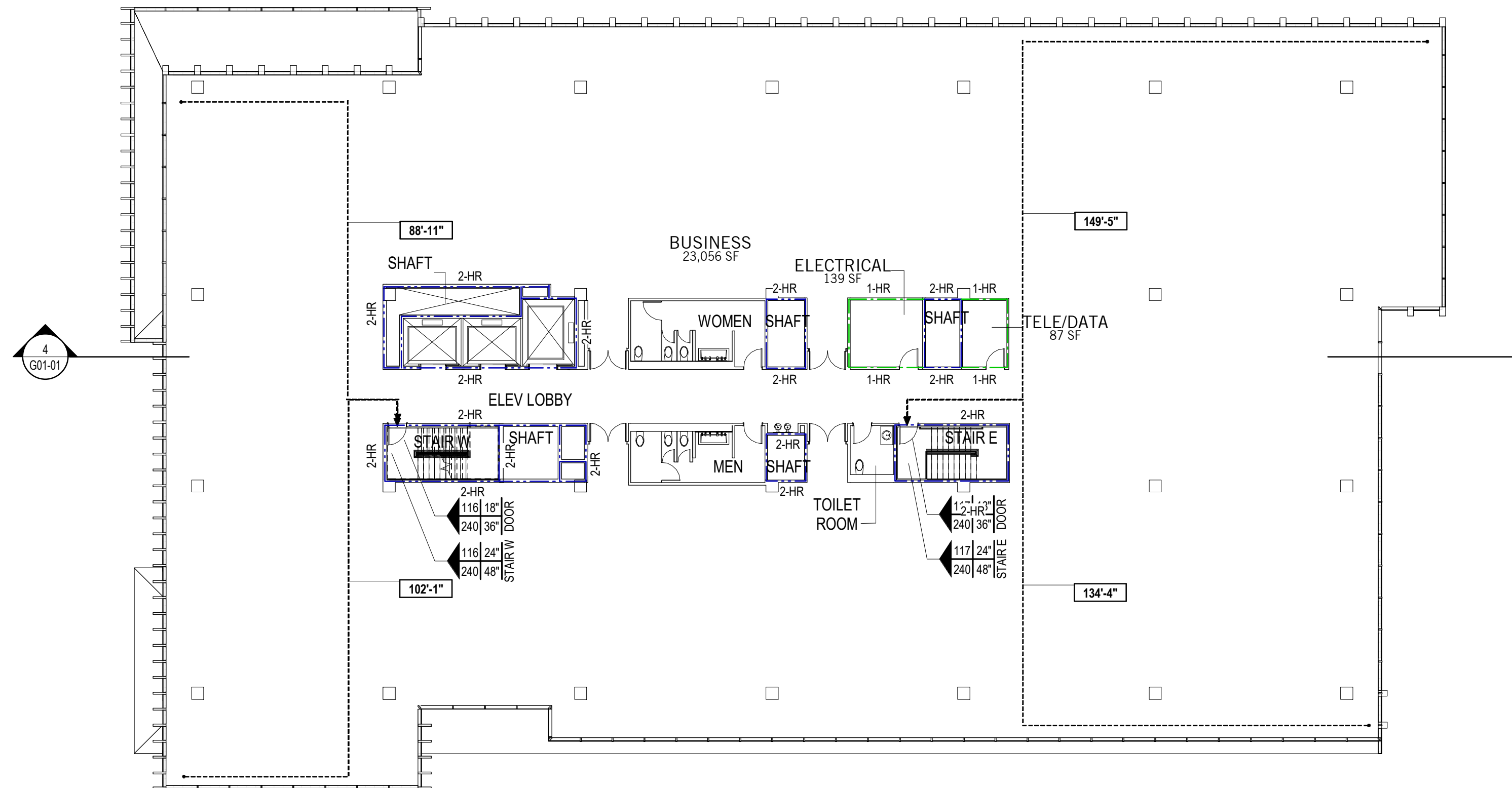
LEVEL 5 PLUMBING FIXTURE COUNTS

	W.C. / URINALS		LAVATORIES		DRINKING FOUNTAINS	
	REQUIRED	SUPPLIED	REQUIRED	SUPPLIED	REQUIRED	SUPPLIED
MEN	3	3	2	2	-	-
WOMEN	3	3	2	2	-	-
UNISEX	-	1	-	1	-	-
TOTALS	6	7	6	5	-	2

OCCUPANT LOAD CALCULATIONS - LEVEL 05

ROOM NAME	FLOOR AREA	FLOOR AREA PER OCCUPANT	AREA MEASURED	OCCUPANT LOAD
BUSINESS	23,056 SF	100 SF	B	231
ELECTRICAL	139 SF	200 SF	S-1	1
TELE/DATE	87 SF	200 SF	S-1	1
Grand total:				233

NOTE: MAXIMUM NUMBER OF OCCUPANTS ON LEVEL 180



**3 LEVEL 05 LIFE SAFETY PLAN**  
1/16" = 1'-0"

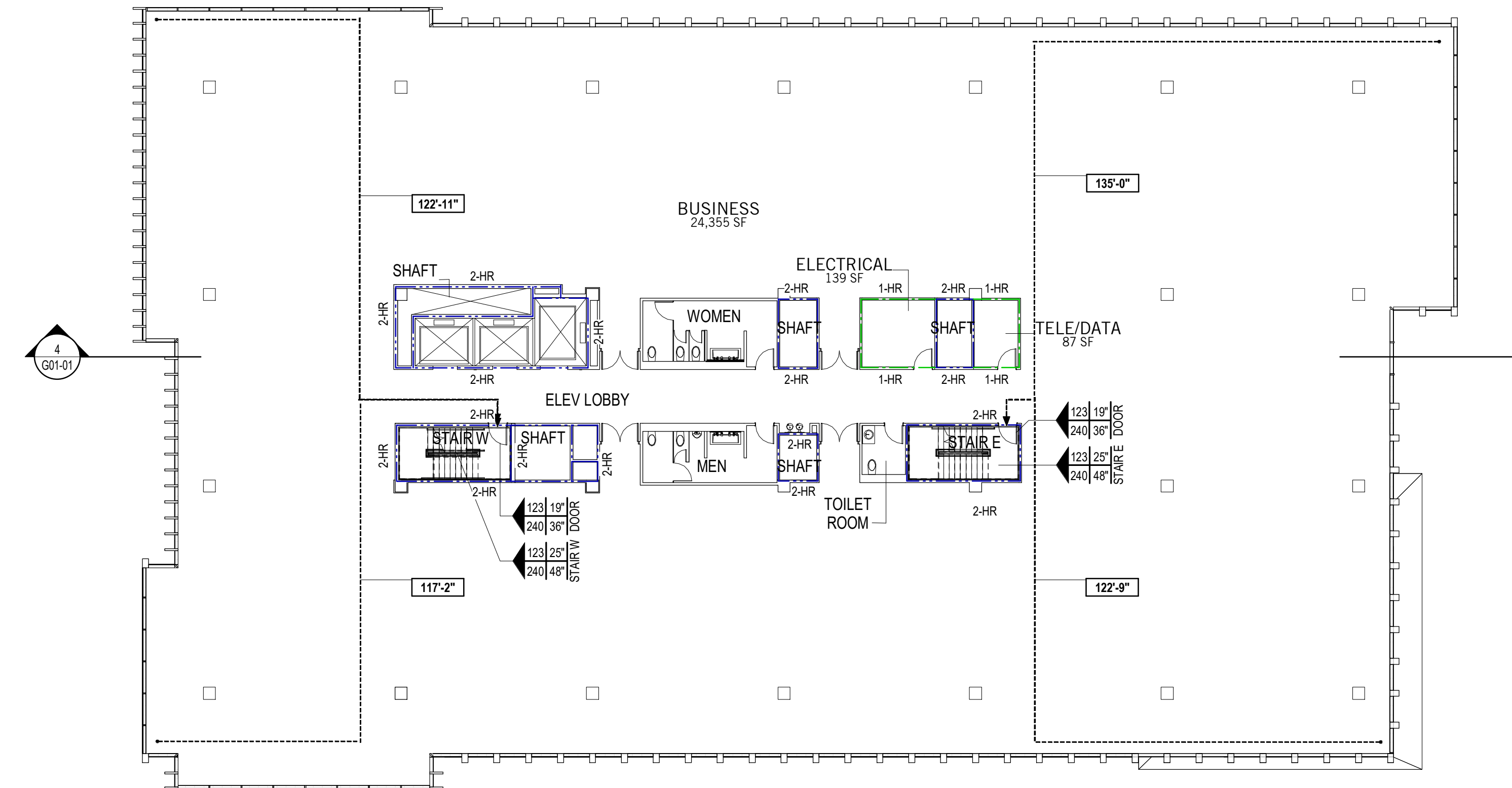
LEVEL 4 PLUMBING FIXTURE COUNTS

	W.C. / URINALS		LAVATORIES		DRINKING FOUNTAINS	
	REQUIRED	SUPPLIED	REQUIRED	SUPPLIED	REQUIRED	SUPPLIED
MEN	3	3	2	2	-	-
WOMEN	3	3	2	2	-	-
UNISEX	-	1	-	1	-	-
TOTALS	6	7	6	5	-	2

OCCUPANT LOAD CALCULATIONS - LEVEL 04

ROOM NAME	FLOOR AREA	FLOOR AREA PER OCCUPANT	SPACE CLASSIFICATION	OCCUPANT LOAD
ELECTRICAL	139 SF	200 SF	S-1	1
TELE/DATE	87 SF	200 SF	S-1	1
BUSINESS	24,355 SF	100 SF	B	244
Grand total:				246

NOTE: MAXIMUM NUMBER OF OCCUPANTS ON LEVEL 180



**2 LEVEL 04 LIFE SAFETY PLAN**  
1/16" = 1'-0"

The Wiggly Building  
410 North Michigan Ave., Suite 1600  
Chicago, IL 60611  
1312.755.0770  
www.perkinswill.com

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GRAEF  
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Madison, WI 53703

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300 South Bedford Street  
Madison, WI 53719

**OWNER'S TEAM**

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Milwaukee, WI 53202

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300 South Bedford Street  
Madison, WI 53703

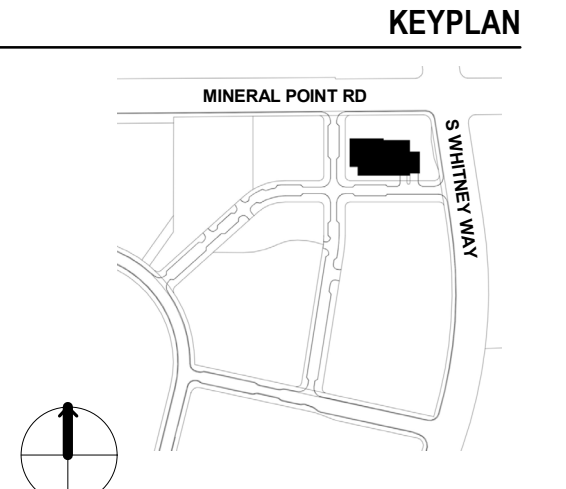
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**PROJECT**

**UNIVERSITY RESEARCH PARK - ELEMENT LABS**



UNIVERSITY RESEARCH PARK  
510 CHARMANY DR. STE. 250  
MADISON, WI 53719



**ISSUE CHART**

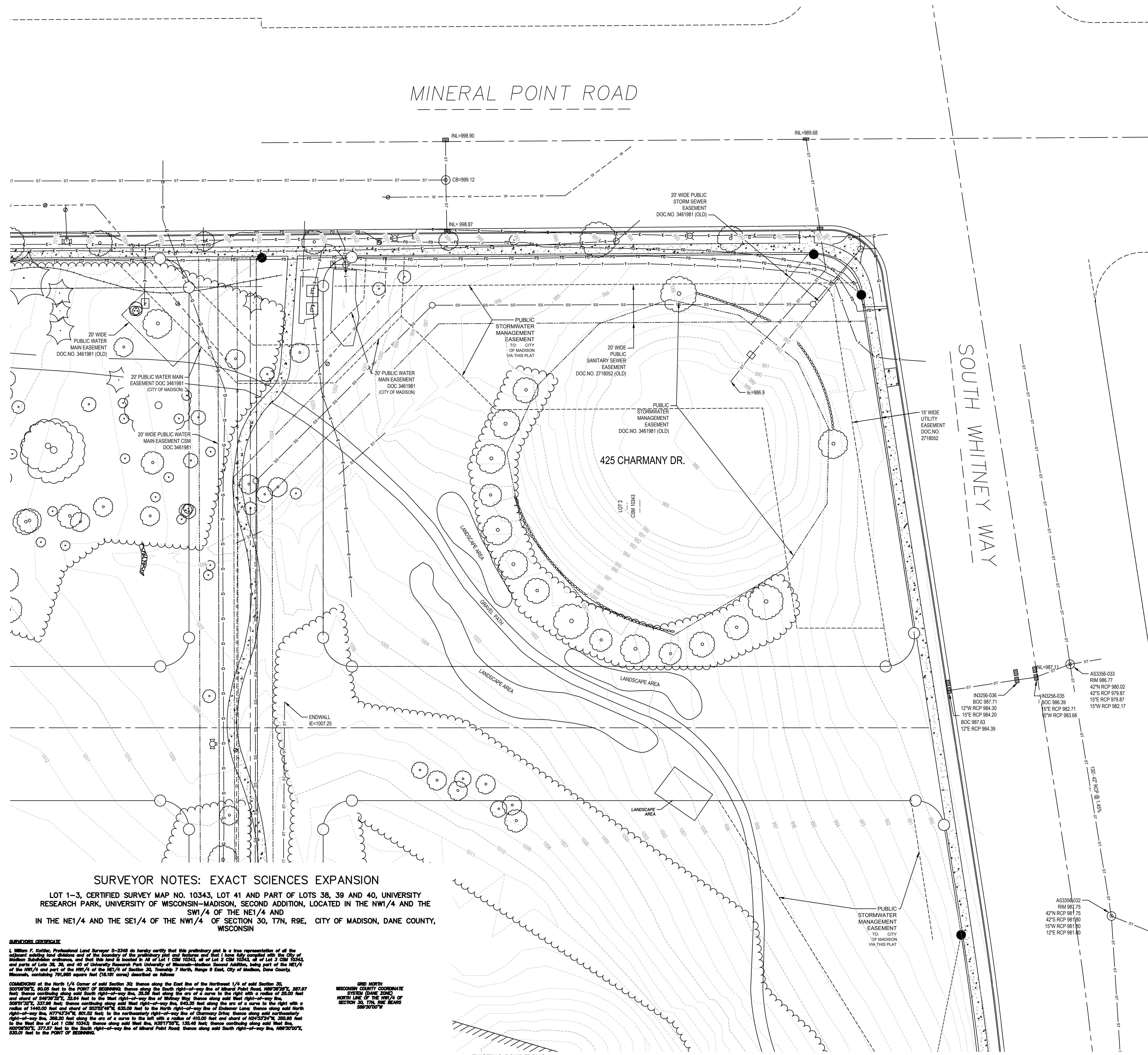
NO.	DESCRIPTION	DATE
2	SITE PLAN APPROVAL	JUN 1 2021
1	DESIGN DEVELOPMENT	MAY 27 2021

Job Number 021130.000  
TITLE

**LEVEL 04-ROOF CODE COMPLIANCE PLANS**

SHEET NUMBER  
**G01-03**

ISSUED FOR SITE PLAN APPROVAL 1 JUNE 2021



MINERAL POINT ROAD

SOUTH WHITNEY WAY

425 CHARMANY DR.

SURVEYOR NOTES: EXACT SCIENCES EXPANSION

LOT 1-3, CERTIFIED SURVEY MAP NO. 10343, LOT 41 AND PART OF LOTS 38, 39 AND 40, UNIVERSITY RESEARCH PARK, UNIVERSITY OF WISCONSIN-MADISON, SECOND ADDITION, LOCATED IN THE NW1/4 AND THE SW1/4 OF THE NE1/4 AND IN THE NE1/4 AND THE SE1/4 OF THE NW1/4 OF SECTION 30, T7N, R9E, CITY OF MADISON, DANE COUNTY, WISCONSIN

**SURVEYOR CERTIFICATE**  
 I, William F. Kottler, Professional Land Surveyor S-2348 do hereby certify that this preliminary plat is a true representation of the adjacent existing land divisions and of the boundary of the preliminary plat and thereon and that I have fully complied with the City of Madison Subdivision Ordinance and that the lines as shown in all of Lot 1 CSM 10343, all of Lot 2 CSM 10343, all of Lot 3 CSM 10343, and parts of Lots 38, 39, and 40 of University Research Park University of Wisconsin-Madison Second Addition, being part of the NE1/4 of the NW1/4 and part of the NW1/4 of the NE1/4 of Section 30, Township 7 North, Range 9 East, City of Madison, Dane County, Wisconsin, containing 70,483 square feet (16.17 acres) described as follows:  
**COMMENCING** at the North 1/4 Corner of said Section 30; **thence** along the East line of the Northwest 1/4 of said Section 30, S00°00'00"E, 80.00 feet to the POINT OF BEGINNING; **thence** along the South right-of-way line of Mineral Point Road, N89°30'20"E, 267.87 feet; **thence** continuing along said South right-of-way line, S33.50 feet along the arc of a curve to the right with a radius of 25.00 feet and chord of S48°30'20"E, 32.84 feet to the West right-of-way line of Whitney Way; **thence** along said West right-of-way line, S68°17'32"E, 532.18 feet; **thence** continuing along said West right-of-way line, 642.30 feet along the arc of a curve to the right with a radius of 144.00 feet and chord of S27°52'46"W, 632.00 feet to the North right-of-way line of Chormany Drive; **thence** along said North right-of-way line, N77°47'54"W, 501.52 feet; **thence** to the northwesterly right-of-way line of Chormany Drive; **thence** along said northwesterly right-of-way line, 385.50 feet along the arc of a curve to the left with a radius of 40.00 feet and chord of N24°53'24"E, 355.85 feet to the West line of Lot 1 CSM 10343; **thence** along said West line, N32°17'50"E, 130.48 feet; **thence** continuing along said West line, N20°07'07"E, 377.57 feet to the South right-of-way line of Mineral Point Road; **thence** along said South right-of-way line, N89°30'20"E, 630.01 feet to the POINT OF BEGINNING.

GRID NORTH  
 WISCONSIN COUNTY COORDINATE  
 SYSTEM (DANS 2011)  
 NORTH LINE OF THE NW1/4 OF  
 SECTION 30, T7N, R9E BEARS  
 S28°30'00"W

Dated this 18 day of June, 2021

William F. Kottler, Professional Land Surveyor, S-2348

1 EXISTING CONDITIONS

SCALE: 1" = 20'

SHEET NOTES

KEYED NOTES

LEGEND

- LIMITS OF WORK
- - - - - EXISTING MAJOR CONTOUR
- - - - - EXISTING MINOR CONTOUR
- - - - - EASEMENT, NEW
- - - - - EASEMENT, OLD
- PROPERTY CORNER, NEW
- PROPERTY CORNER, OLD
- PARCEL BOUNDARY
- - - - - EXISTING SANITARY
- - - - - EXISTING WATER MAIN
- - - - - EXISTING STORM
- - - - - EXISTING NATURAL GAS
- - - - - EXISTING UNDERGROUND ELECTRIC
- - - - - EXISTING UNDERGROUND TELEPHONE
- - - - - EXISTING UNDERGROUND FIBER OPTIC
- [E] ELECTRIC BOX
- TELEPHONE BOX
- MANHOLE
- ⊗ CATCH BASIN/LET
- ⊗ LIGHT POLE
- ⊗ VALVE
- ⊗ HYDRANT
- TREE
- ▬ CONCRETE CURB AND GUTTER
- ▬ BOULDER WALL
- ▬ CONCRETE

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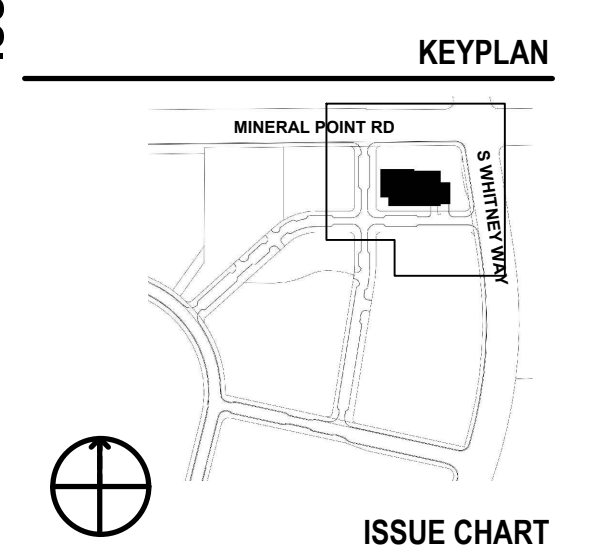
**CONSULTANTS**  
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 MEP  
 Affiliated Engineers, Inc.  
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**PROJECT**  
 UNIVERSITY RESEARCH PARK - ELEMENT LABS

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**ISSUE CHART**

NO.	DESCRIPTION	DATE
3	SITE PLAN APPROVAL	JUN 1 2021
2	DESIGN DEVELOPMENT	MAY 27 2021
1	SCHEMATIC DESIGN	MAR 18 2021

Job Number 021190.000  
 TITLE

EXISTING CONDITIONS

SHEET NUMBER

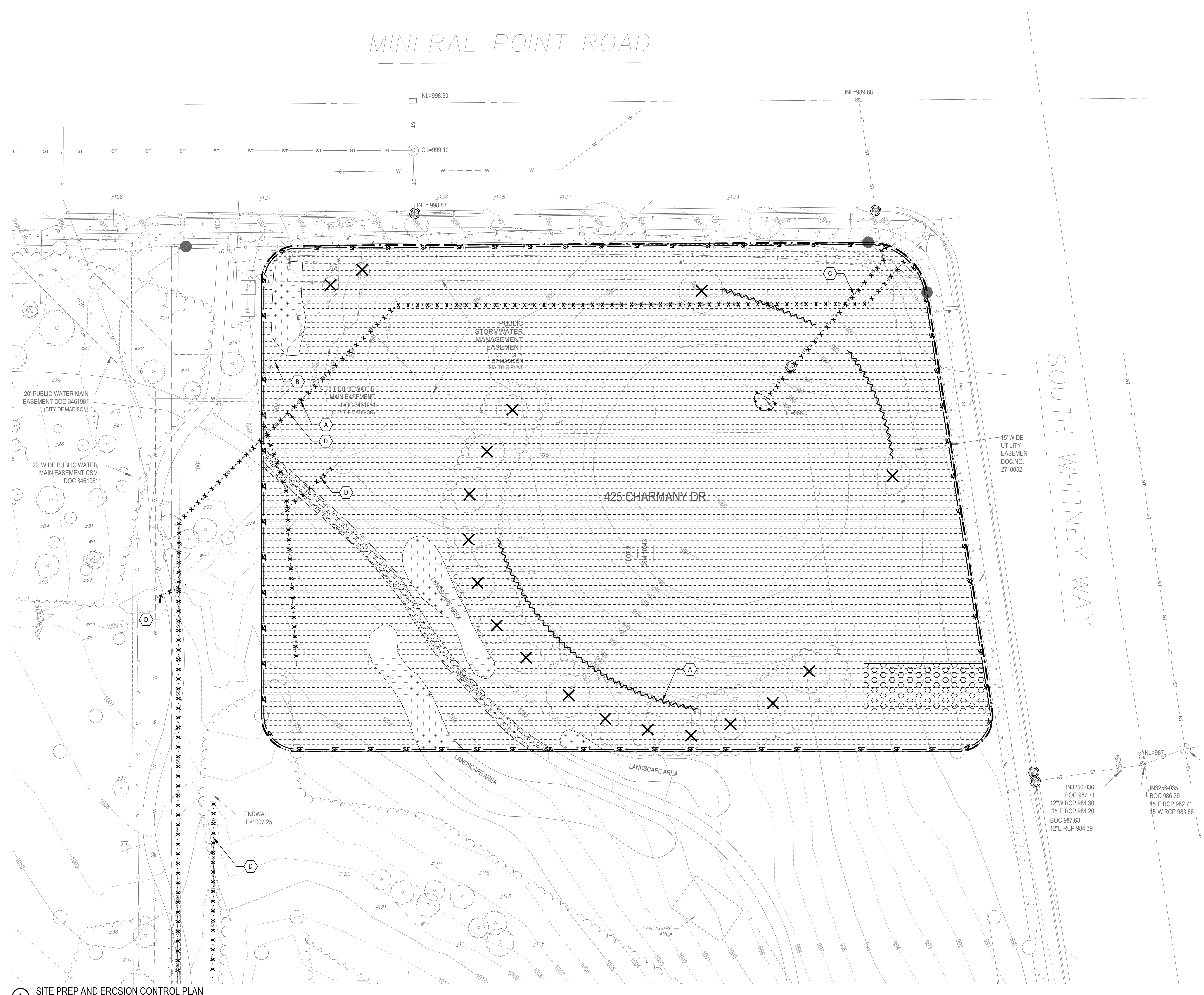
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4/28/2021 8:55:14 AM BIM\_360/URP - Element Labs/ARCH\_URP\_Element Labs.rvt

4/28/2021 8:55:14 AM BIM\_360/URP - Element Labs/ARCH\_URP\_Element Labs.rvt

- EROSION CONTROL NOTES**
- POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
  - KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
  - SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
  - CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
  - INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
  - WHEN POSSIBLE, PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT [http://dnr.wi.gov/topic/stormwater/standards/const\\_standards.html](http://dnr.wi.gov/topic/stormwater/standards/const_standards.html).
  - INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).
  - INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
  - STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL. PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
  - NOTIFY WDNR IF DEWATERING IS SCHEDULED TO OCCUR IN AREAS OF SOIL AND/OR GROUNDWATER CONTAMINATION. OR IF DEWATERING WILL OCCUR FROM A HIGH CAPACITY WELL (TO 5PM OR MORE). DEWATER ONLY AFTER THE APPROPRIATE WDNR DEWATERING DISCHARGE PERMIT HAS BEEN OBTAINED.
  - PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DEWATERING #1061. A DNR APPROVED WATER QUALITY POLYMER SHALL BE USED IN COMBINATION WITH A PROPERLY DESIGNED SEDIMENT BASIN OR TANK BEFORE OFF SITE DISCHARGE.
  - COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR VET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP # 1063.
  - CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1064.
  - INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
  - REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
  - INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
  - IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL. IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
  - IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE. AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
  - STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
  - SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY. SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
  - CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
  - PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
  - COORDINATE WITH WDNR TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERRIS).
  - FOR NON-CHEMICALIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE APPROPRIATE (DEPENDENT ON THE SLOPE) BIODEGRADABLE EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL). INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
  - FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE APPROPRIATE (BASED ON SHEAR STRESS) BIODEGRADABLE EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL). INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
  - MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
  - INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLES, SWALES, ETC.).
  - CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: <http://dnr.wi.gov/botw/>



1 SITE PREP AND EROSION CONTROL PLAN

SCALE: 1" = 20'

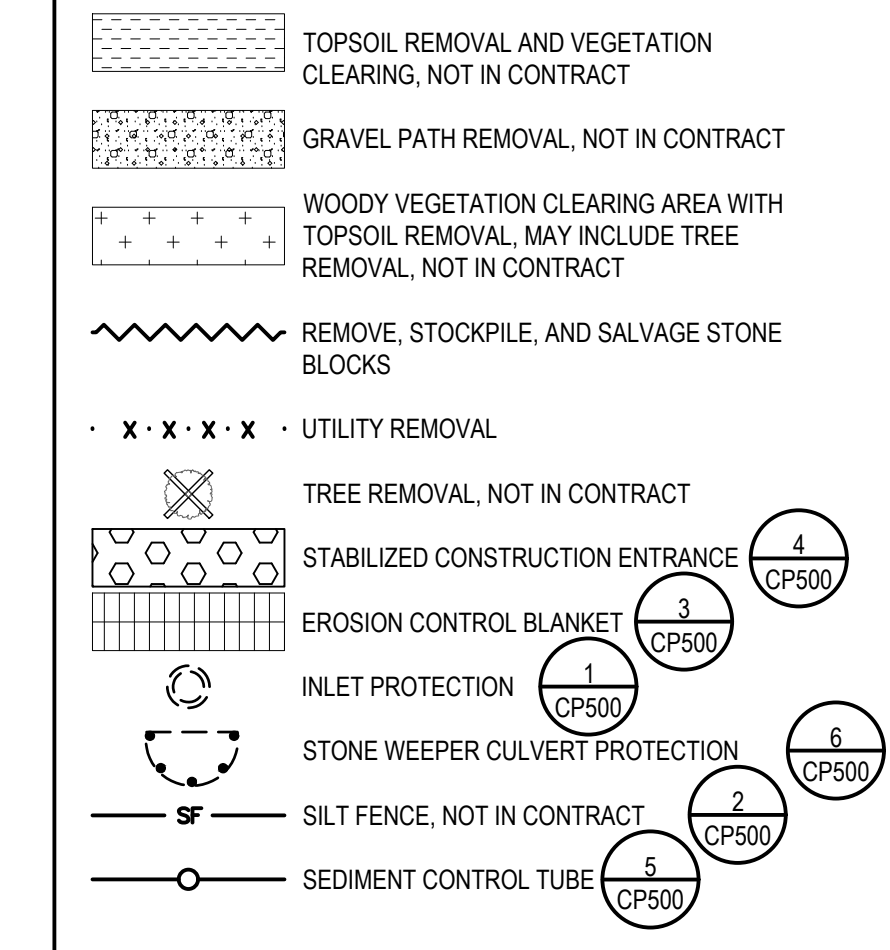
**SHEET NOTES**

- EROSION CONTROL MAT TO BE PLACED ON ALL SLOPES GREATER THAN 3:1.

**KEYED NOTES**

- (A) REMOVE PUBLIC SANITARY SEWER. SEWER TO REMAIN IN SERVICE UNTIL CONSTRUCTION AND ACCEPTANCE OF RELOCATED PUBLIC SEWER. PROVIDE TEMPORARY SUPPORT AS REQUIRED.
- (B) PROTECT WATER MAIN. MAIN TO REMAIN IN SERVICE UNTIL CONSTRUCTION AND ACCEPTANCE OF RELOCATED PUBLIC SEWER.
- (C) REMOVE EXISTING CULVERT AND CONTROL STRUCTURE WHEN NEW DETENTION BASIN IS CONSTRUCTED. LEAVE EXISTING CULVERT IN PLACE DURING CONSTRUCTION AS REQUIRED FOR DEWATERING.
- (D) REMOVAL BY OTHERS

**LEGEND**



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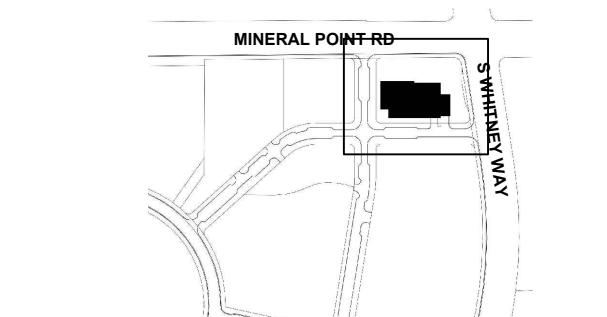
**PROJECT**

UNIVERSITY RESEARCH PARK - ELEMENT LABS



UNIVERSITY RESEARCH PARK  
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**KEYPLAN**



**ISSUE CHART**

NO.	DESCRIPTION	DATE
3	SITE PLAN APPROVAL	JUN 1 2021
2	DESIGN DEVELOPMENT	MAY 27 2021
1	SCHEMATIC DESIGN	MAR 18 2021
Job Number		021190.000
TITLE		SITE PREP AND EROSION CONTROL PLAN
SHEET NUMBER		CP100

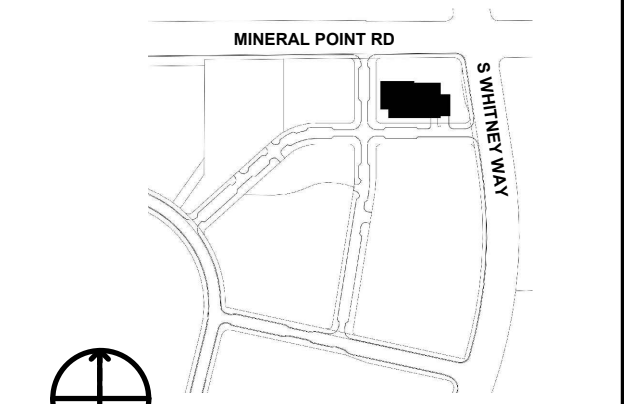
**SITE PREP AND EROSION CONTROL PLAN**

SHEET NUMBER

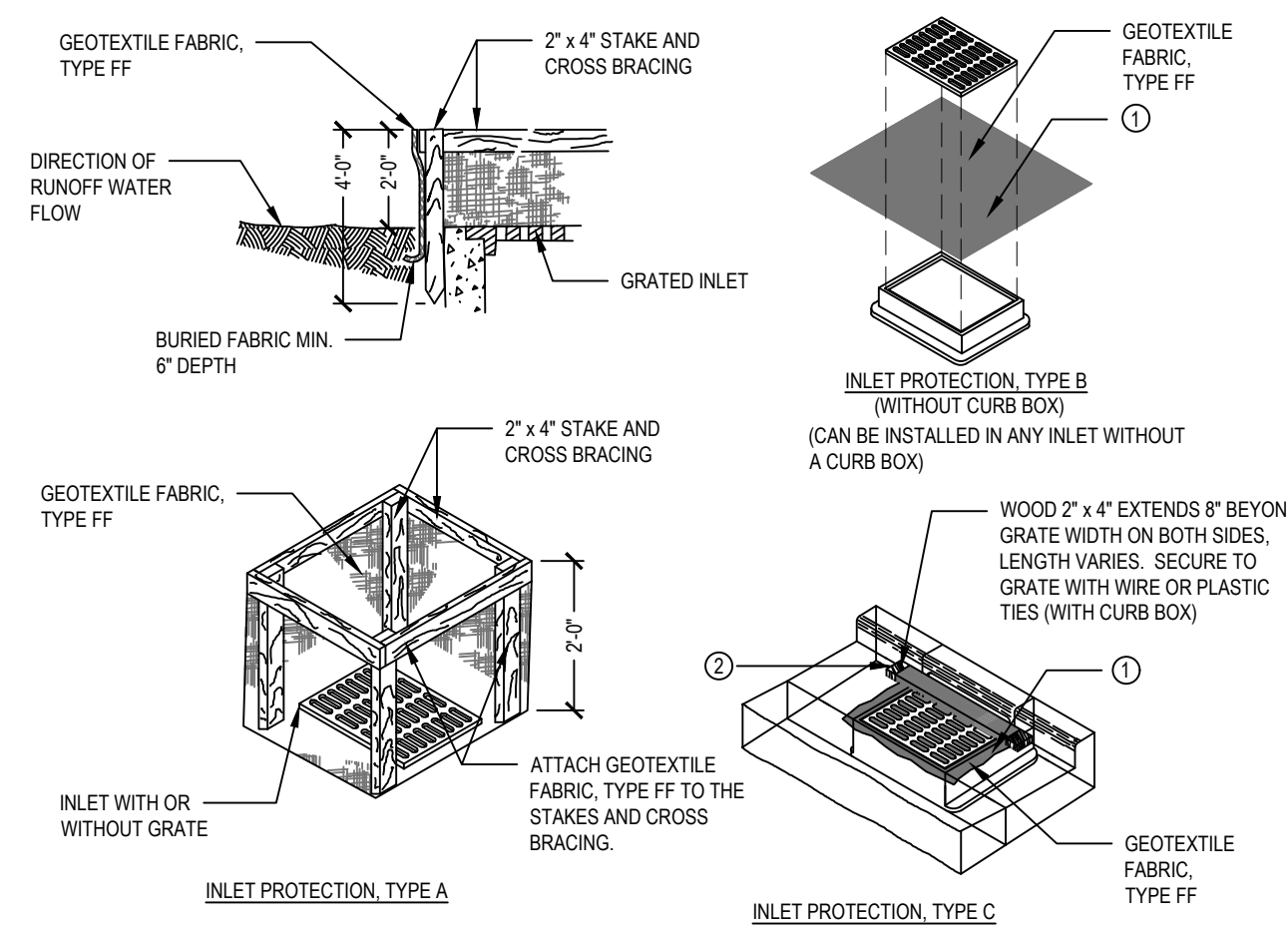
CP100  
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ISSUED FOR DESIGN DEVELOPMENT 27 MAY 2021

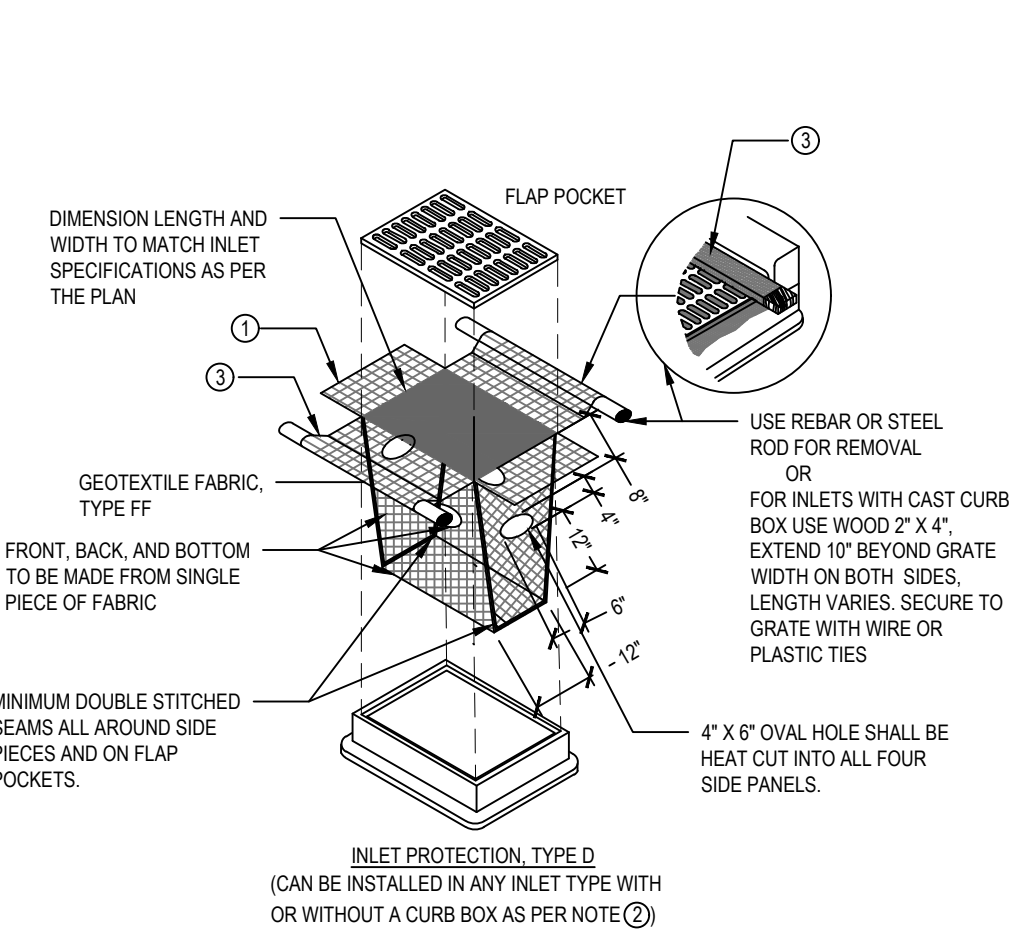
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NO.	DESCRIPTION	DATE
3	SITE PLAN APPROVAL	JUN 1 2021
2	DESIGN DEVELOPMENT	MAY 27 2021
1	SCHEMATIC DESIGN	MAR 18 2021
<b>NO. DESCRIPTION</b>		<b>DATE</b>
Job Number		021190.000
		TITLE



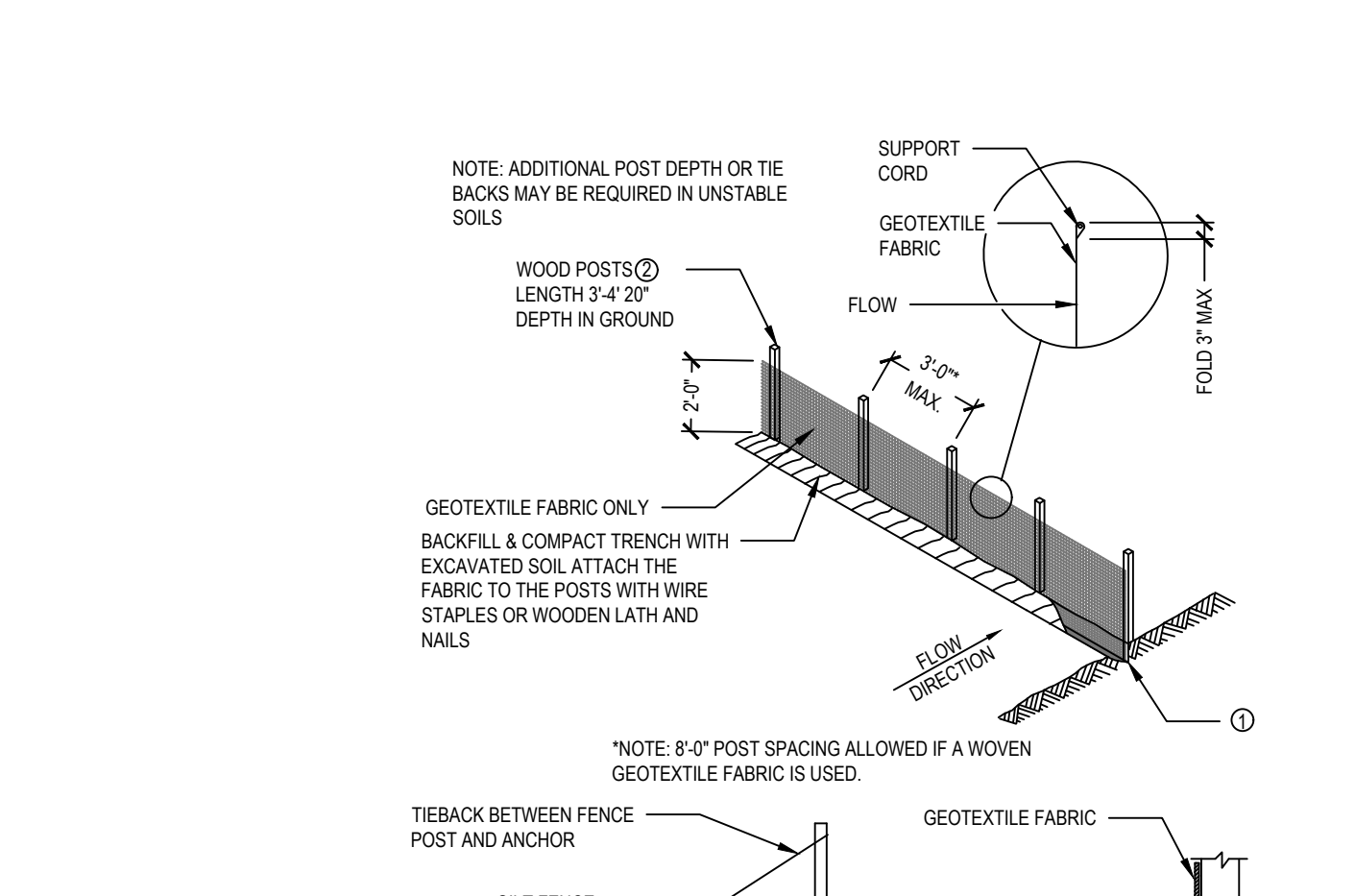
**1 INLET PROTECTION DETAILS**  
SCALE: NTS



**GENERAL NOTES:**  
MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

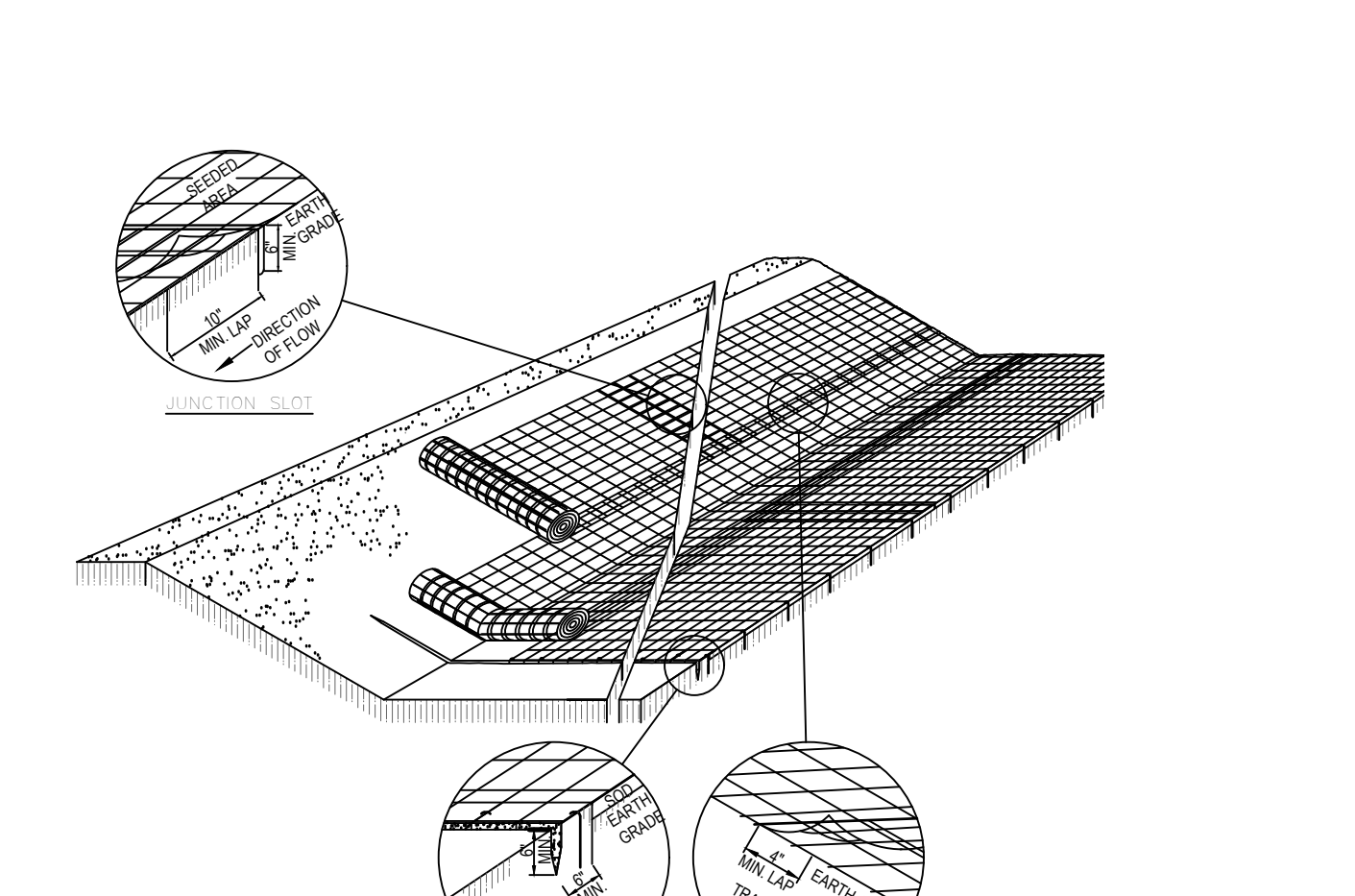
- FINISHED SIZE INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 1' AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 1" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.

**2 SILT FENCE DETAIL**  
SCALE: NTS



**GENERAL NOTES:**  
FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE AND 8" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.  
WOOD POSTS SHALL BE A MINIMUM SIZE OF 1/2" x 1/2" OF OAK OR HICKORY.

**3 EROSION CONTROL MAT DETAIL**  
SCALE: NTS



**GENERAL NOTES:**  
AS SHOWN ON PLANS, MIN. 50'

**4 STABILIZED CONSTRUCTION ENTRANCE DETAIL**  
SCALE: NTS

**SILT SOCK INSTALLATION GUIDELINES**

**SLOPE INTERRUPTION**  
1. A SLIGHT ENTRENCHMENT MAY BE REQUIRED ON STEEPER SLOPES TO ENSURE PROPER GROUND CONTACT.  
2. REMOVE SEDIMENT FROM THE UPSLOPE SIDE OF THE SILT SOCK WHEN ACCUMULATION HAS REACHED 10" OF EFFECTIVE HEIGHT OF SOIL.  
3. LOCKER MEDIA MAY BE BACKFILLED ON THE UPSLOPE SIDE OF SOCK TO DRAINAGE PERFORANCE.  
4. HARDWOOD STAKES 2"x2"x4" (NOMINAL) ARE SUGGESTED.

**PERIMETER CONTROL & OVERLAPPING**  
NOTE: OVERLAP BASED ON FLOW DIRECTION.  
1:2 OVERLAP RECOMMENDED ON SLOPES.

**INLET PROTECTION**  
IF GUARD BARR IS NOT AVAILABLE, USE A CONCRETE BLOCK.

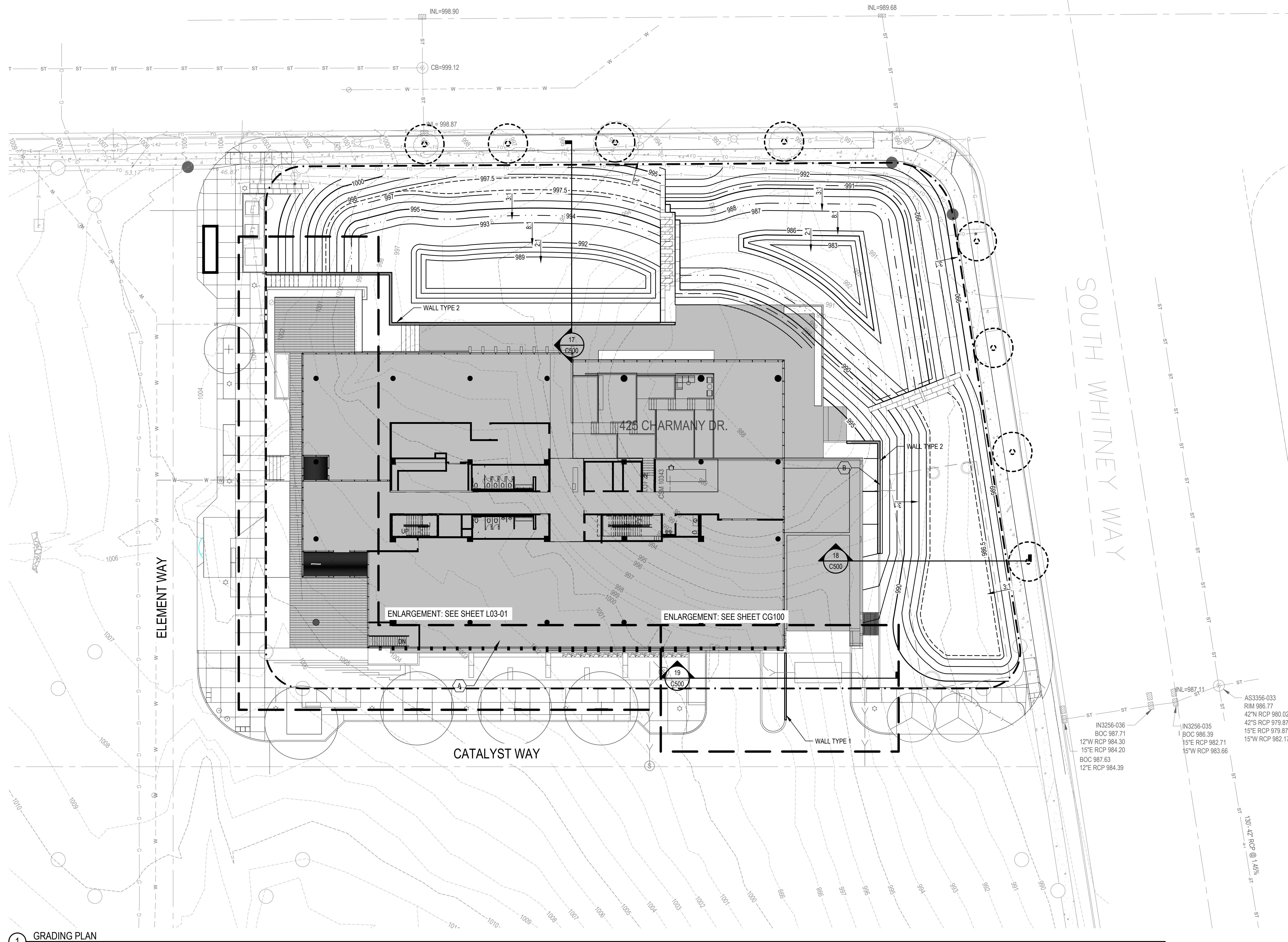
**Silt Sock**  
EROSION CONTROL PRODUCTS  
(608) 438-7625  
WWW.SILT SOCK.NET

**5 SILT SOCK INSTALLATION DETAIL**  
SCALE: NTS

**5 STONE WEEPER**  
SCALE: NTS NOT TO SCALE

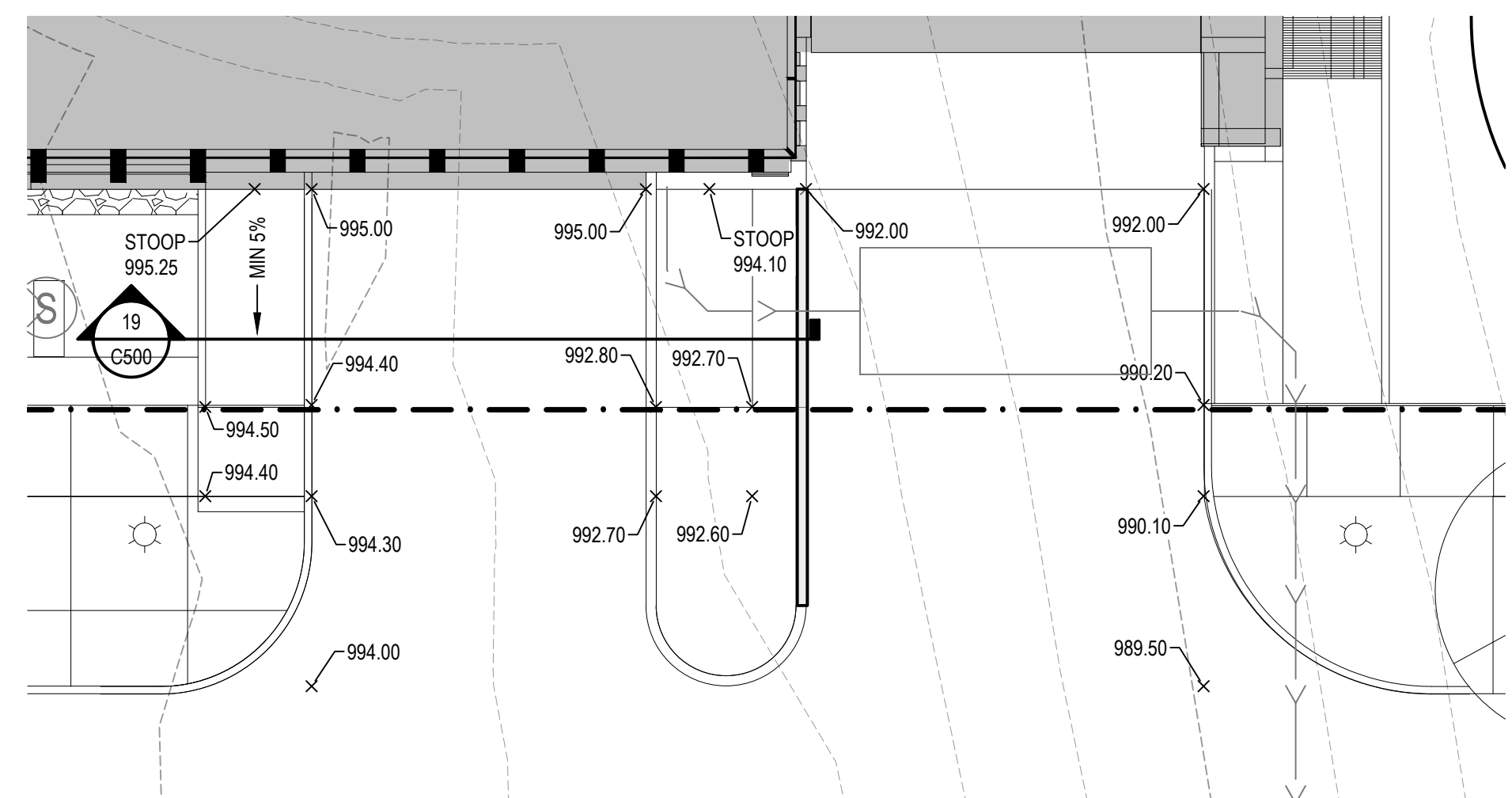


# MINERAL POINT ROAD



1 GRADING PLAN

SCALE: 1" = 20'



2 GRADING PLAN

SCALE: 1" = 10'

## SHEET NOTES

1. THE INFORMATION DEPICTED ON THIS SHEET IS FOR ESTIMATING INFORMATION ONLY. FINAL PLANS FOR PUBLIC IMPROVEMENTS WILL BE ISSUED BY THE CITY OF MADISON FOR CONSTRUCTION PURPOSES OUTSIDE THE LIMITS OF THE PROJECT. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.
2. MATCH GRADES ESTABLISHED BY THE CITY OF MADISON AT ROW LINE. NOTIFY ENGINEER OF DISCREPANCIES IMMEDIATELY OR AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION FOR RESOLUTION.

## KEYED NOTES

- (A) WALL TYPE 2, SEE DETAIL 8 ON SHEET C500
- (B) WALL TYPE 1, SEE DETAIL 1 ON SHEET C500

## LEGEND

- 985 --- EXISTING MAJOR CONTOUR
- 984 --- EXISTING MINOR CONTOUR
- 985 --- PROPOSED MAJOR CONTOUR
- 984 --- PROPOSED MINOR CONTOUR
- 861.50 PROPOSED SPOT ELEVATION
- 861.50 M.E. APPROX. SPOT ELEVATION. MATCH EXISTING GRADE
- 1.3 DRAINAGE SLOPE
- CONCRETE WALL
- POND NORMAL WATER LEVEL
- POND HIGH WATER LEVEL

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### PROJECT

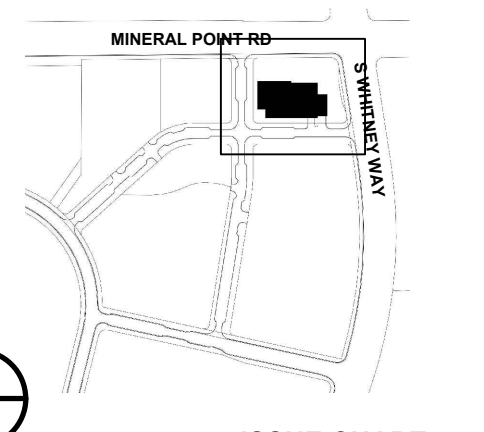
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### KEYPLAN



### ISSUE CHART

NO.	DESCRIPTION	DATE
3	SITE PLAN APPROVAL	JUN 1 2021
2	DESIGN DEVELOPMENT	MAY 27 2021
1	SCHEMATIC DESIGN	MAR 18 2021

Job Number 021130.000  
TITLE

### GRADING PLAN

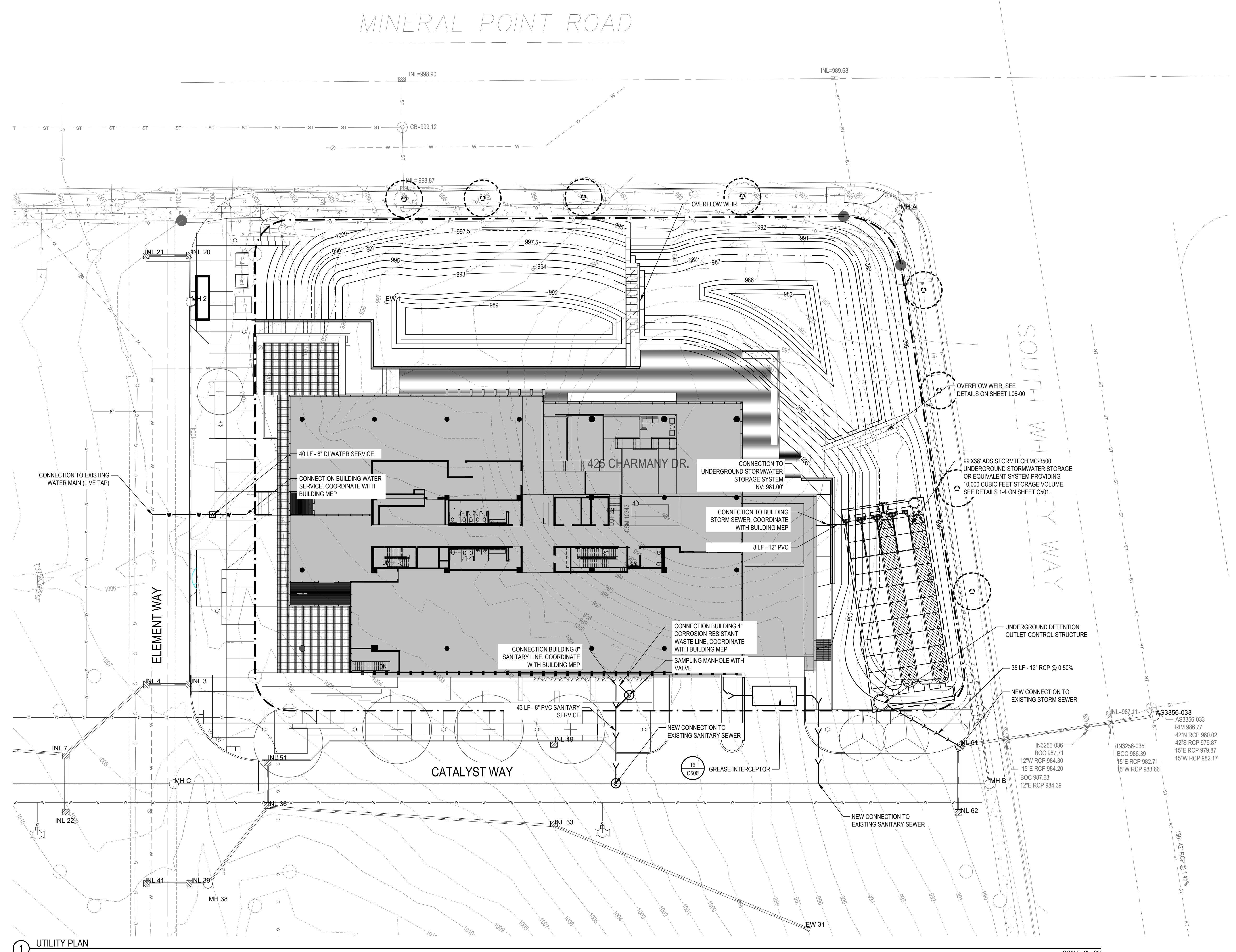
### SHEET NUMBER

## CG100

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4/28/2021 8:55:14 AM BIM\_360/URP - Element Labs/ARCH\_URP - Element Labs.mxd



1 UTILITY PLAN

SCALE: 1" = 20'

### SHEET NOTES

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### KEYED NOTES

### LEGEND

- GATE VALVE BOX
- SANITARY MANHOLE
- WATER MAIN
- SANITARY SEWER
- STORM SEWER

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### PROJECT

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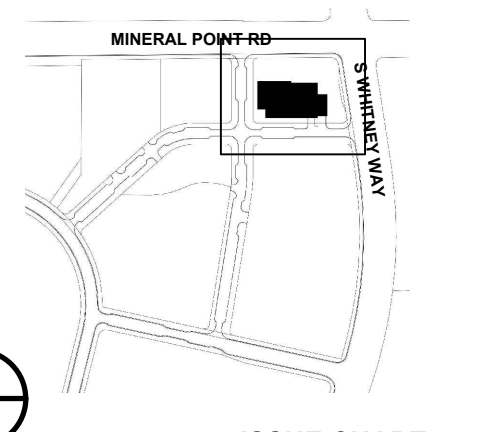


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ISSUED FOR DESIGN DEVELOPMENT 27 MAY 2021

### KEYPLAN



### ISSUE CHART

NO.	DESCRIPTION	DATE
3	SITE PLAN APPROVAL	JUN 1 2021
2	DESIGN DEVELOPMENT	MAY 27 2021
1	SCHEMATIC DESIGN	MAR 18 2021

Job Number 021190.000  
TITLE

### UTILITY PLAN

### SHEET NUMBER

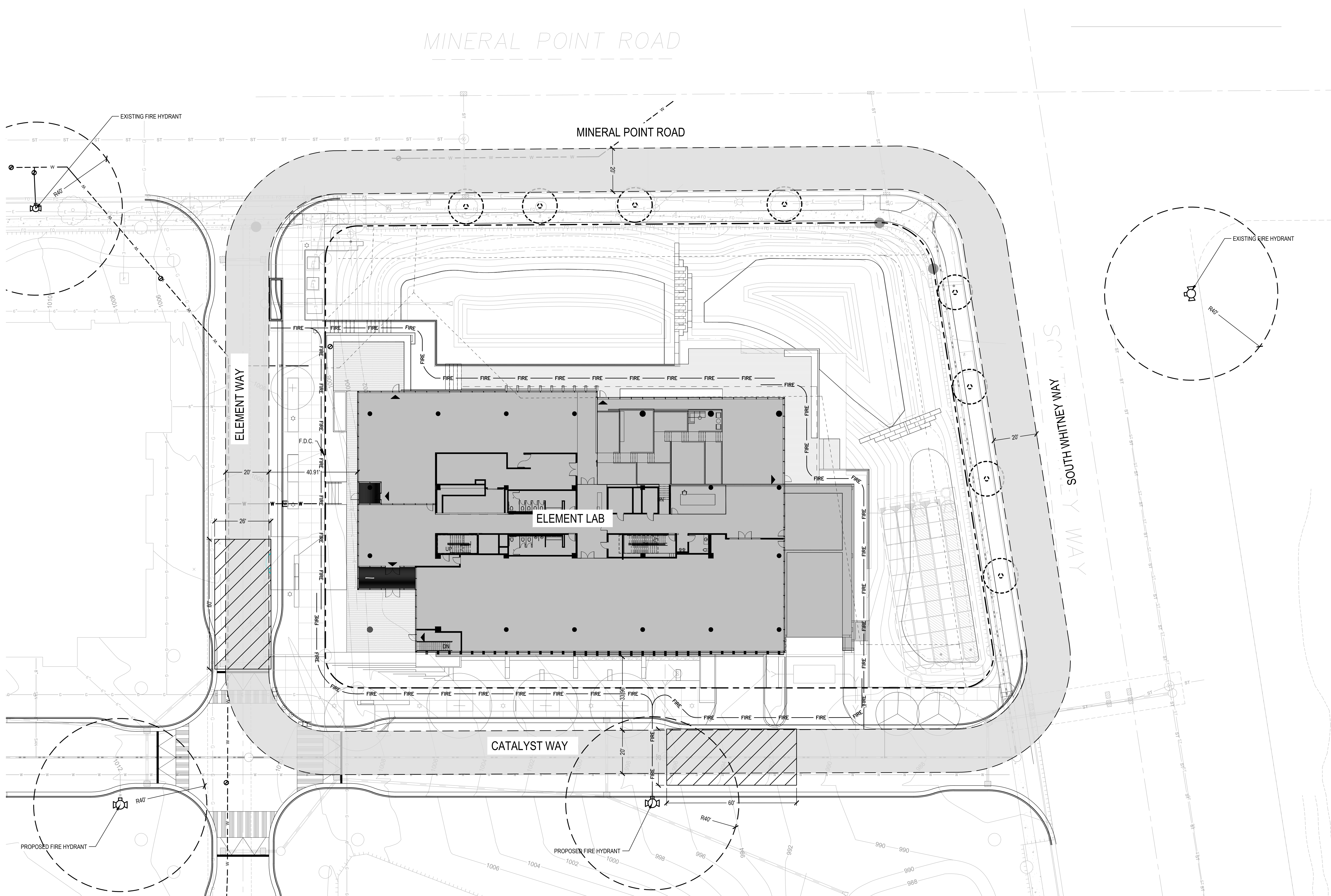
CU100

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4/28/2021 8:55:14 AM BIM\_360/URP - Element Labs/ARCH\_URP\_Element Labs.rvt



1 FIRE ACCESS PLAN

SCALE: 1" = 20'

### SHEET NOTES

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2. LENGTH OF FIRE HOSES SHOWN DO NOT EXCEED 250 LINEAR FEET IN ANY ONE DIRECTION.
3. ALL FIRE LANE RADII ARE 32'-0" UNLESS OTHERWISE NOTED.
4. ALL FIRE LANE WIDTHS ARE 20'-0" UNLESS OTHERWISE NOTED.
5. ANTICIPATED F.D.C. LOCATION IN WALL ADJACENT TO R.O.W. FINAL LOCATION TO BE ADJUSTED UPON COMPLETION OF MEP DRAWINGS.

### KEYED NOTES

### LEGEND

- FIRE — HOSE LAY LENGTH - MAX OF 500' BETWEEN TWO HYDRANTS ALONG FIRE ACCESS LANE
- 40' RADII HYDRANT OFFSET
- ▨ AERIAL FIRE APPARATUS LANE (26'-0" MIN)
- ▨ FIRE ACCESS LANE (20'-0" MIN)
- RIGHT OF WAY
- ▲ BUILDING ENTRIES
- F.D.C. FIRE DEPARTMENT CONNECTION (LOCATION SUBJECT TO MODIFICATION)

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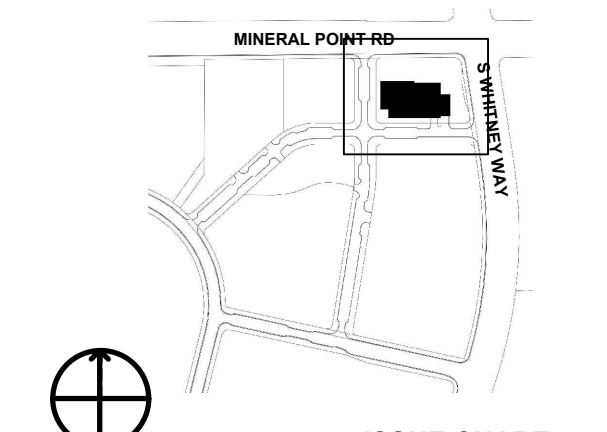
### PROJECT

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### KEYPLAN



### ISSUE CHART

NO.	DESCRIPTION	DATE
3	SITE PLAN APPROVAL	JUN 1 2021
2	DESIGN DEVELOPMENT	MAY 27 2021
1	SCHEMATIC DESIGN	MAR 18 2021

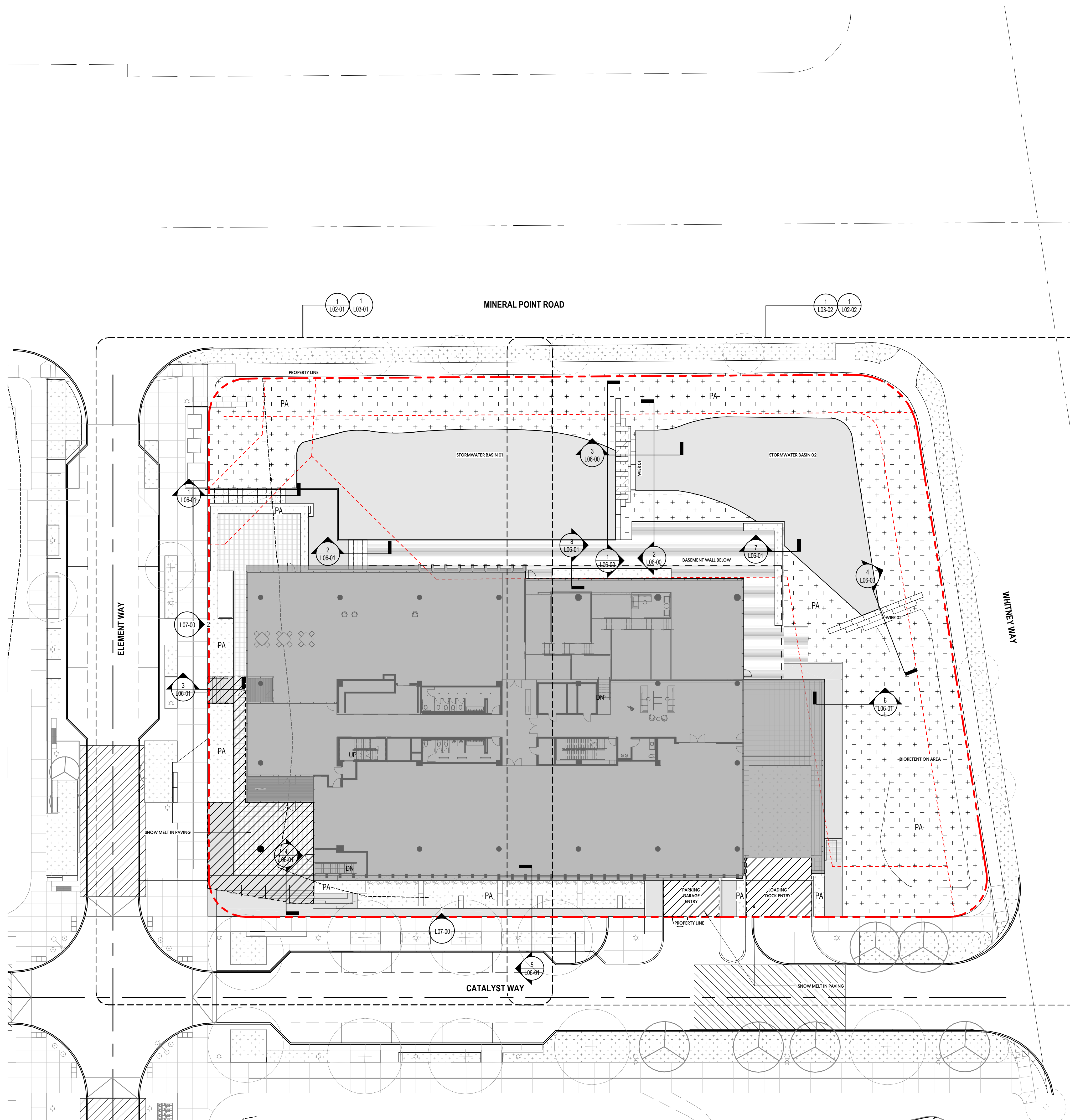
Job Number 021190.000  
TITLE  
**FIRE PROTECTION PLAN**

### SHEET NUMBER

**CS001**  
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ISSUED FOR DESIGN DEVELOPMENT 27 MAY 2021





MATERIALS LEGEND	
PAVING TYPE 1A	CAST IN PLACE CONCRETE PAVING
PAVING TYPE 2B	CAST IN PLACE CONCRETE PAVING OVER STRUCTURE
PAVING TYPE 2A	UNIT PAVERS OVER STRUCTURE
PAVING TYPE 2B	UNIT PAVERS OVER VAULT
PAVING TYPE 3	STABILIZED/DECOMPOSED GRANITE
PAVING TYPE 4A	COMPOSITE DECKING ON GRADE
PAVING TYPE 4B	COMPOSITE DECKING OVER STRUCTURE
SSR	STAINLESS STEEL HANDRAIL
SSG	STAINLESS STEEL CABLE GUARDRAIL
GB	REUSED GRANITE BOULDERS
PA	PLANTING AREA

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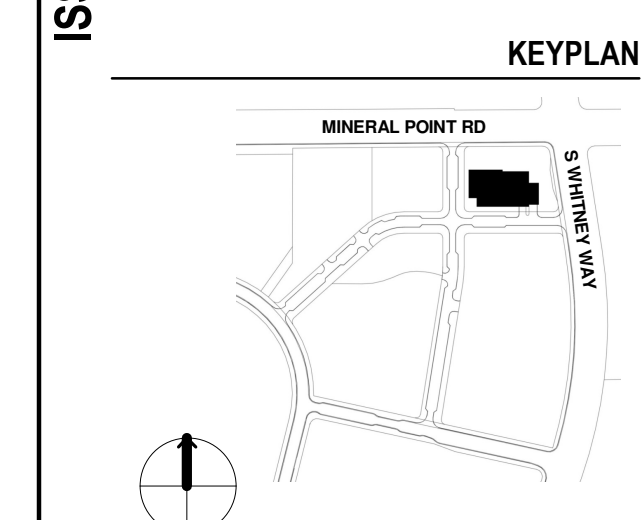
**PROJECT**

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**ISSUE CHART**

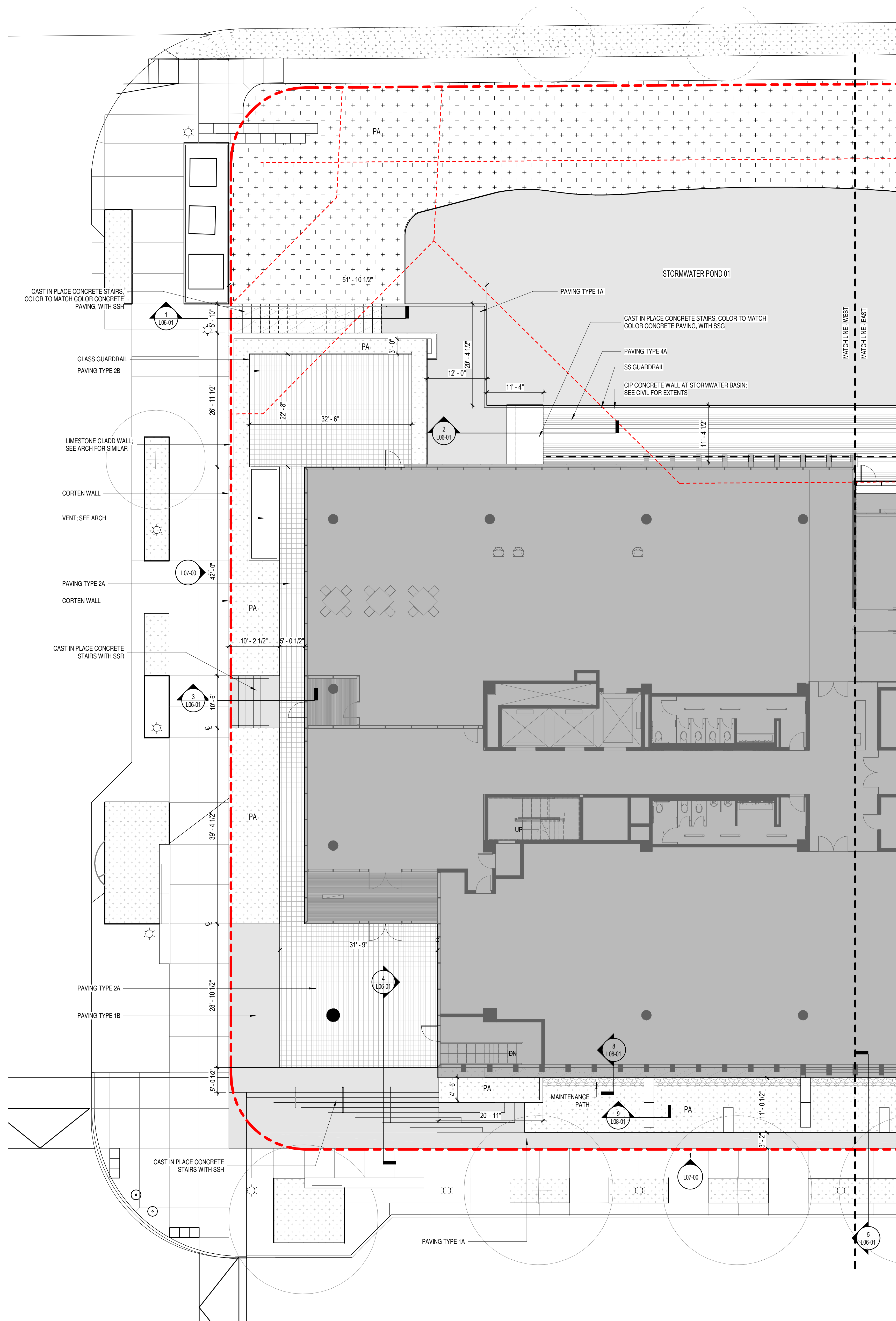
NO.	DESCRIPTION	DATE
2	SITE PLAN APPROVAL	JUN 1 2021
1	DESIGN DEVELOPMENT	MAY 27 2021

Job Number 021130.000  
TITLE

**MATERIALS & LAYOUT PLAN**

SHEET NUMBER  
**L02-00**

1 MATERIALS & LAYOUT PLAN  
1" = 20'-0"



1 WEST ENLARGEMENT PLAN- MATERIALS & LAYOUT  
1" = 10'-0"

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**PROJECT**

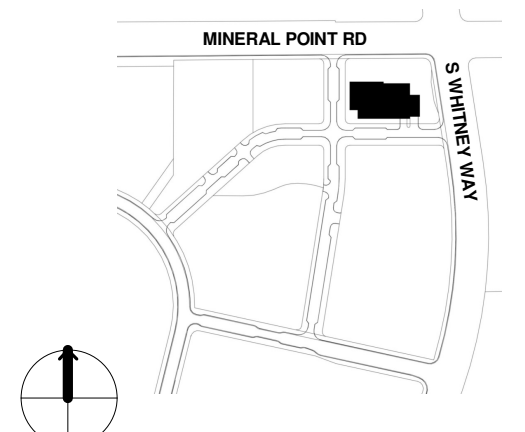
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**KEYPLAN**



**ISSUE CHART**

NO.	DESCRIPTION	DATE
2	SITE PLAN APPROVAL	JUN 1 2021
1	DESIGN DEVELOPMENT	MAY 27 2021

Job Number 021130.000  
TITLE

**ENLARGED MATERIALS & LAYOUT PLAN W**

SHEET NUMBER

**L02-01**









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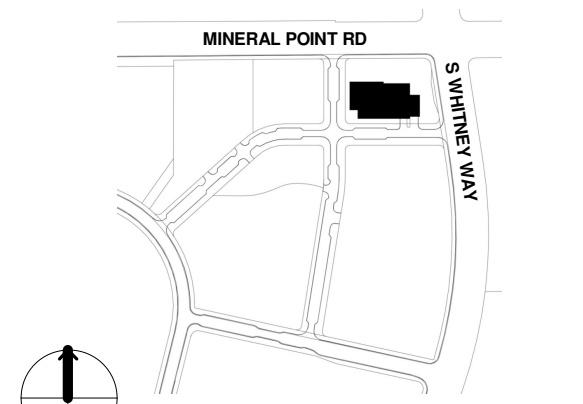


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ISSUED FOR SITE PLAN APPROVAL 1 JUNE 2021

**KEYPLAN**



**ISSUE CHART**

NO.	DESCRIPTION	DATE
2	SITE PLAN APPROVAL	JUN 1 2021
1	DESIGN DEVELOPMENT	MAY 27 2021

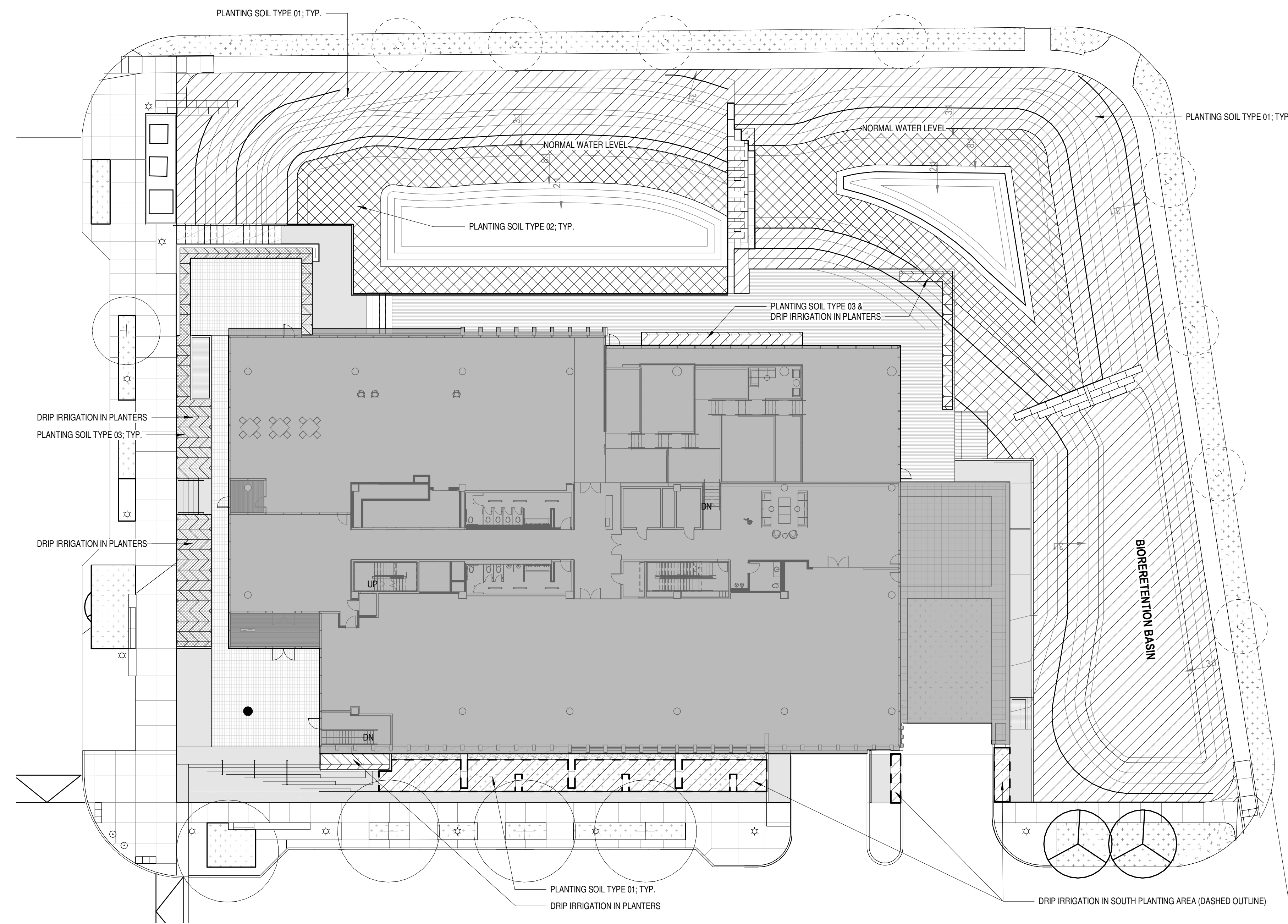
Job Number 021130.000  
TITLE

**SOILS & IRRIGATION  
PLAN**

SHEET NUMBER

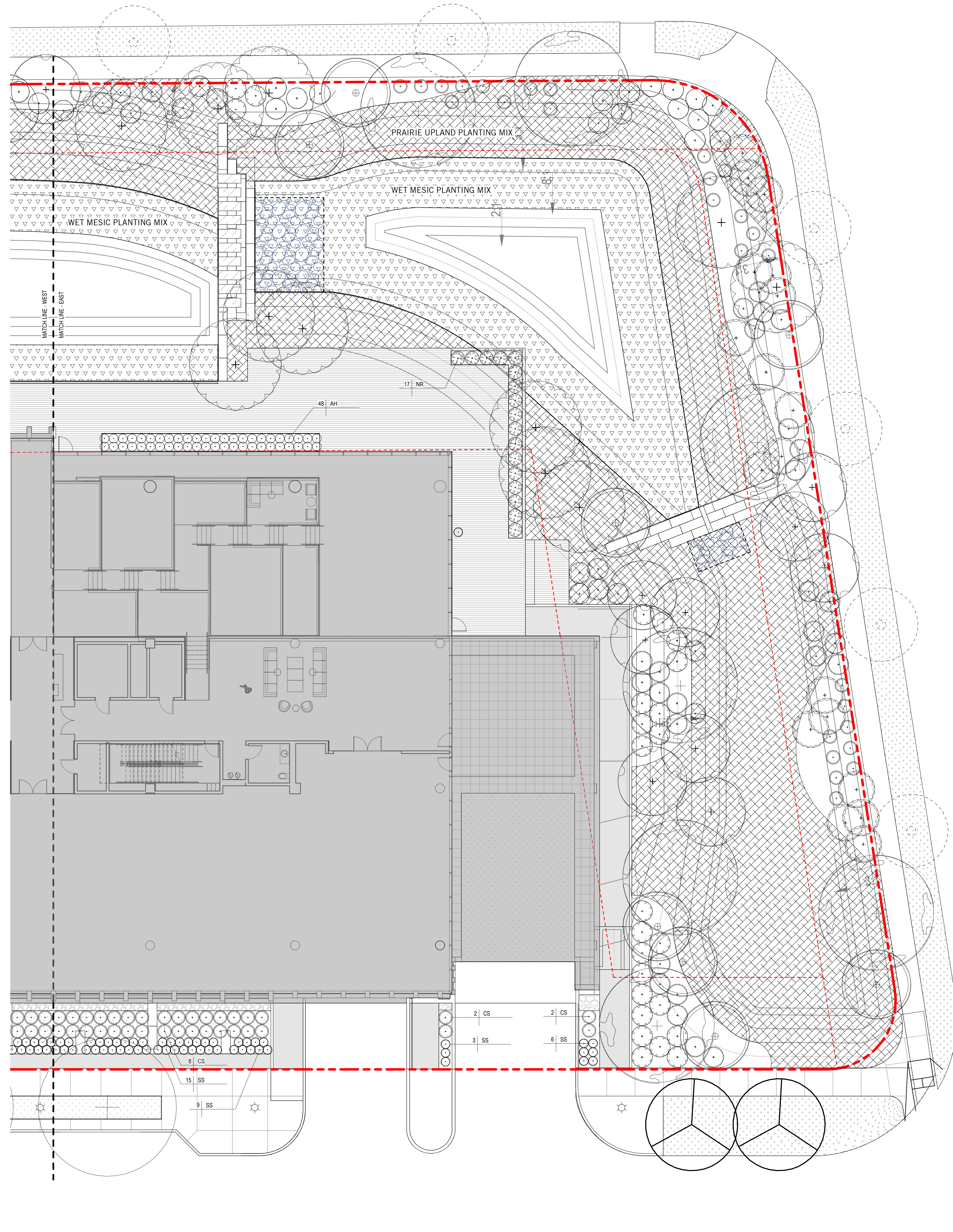
**L04-00**

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**1 SOILS PLAN**  
1" = 20'-0"





1 ENLARGED PLANTING PLAN - E  
1" = 10'-0"

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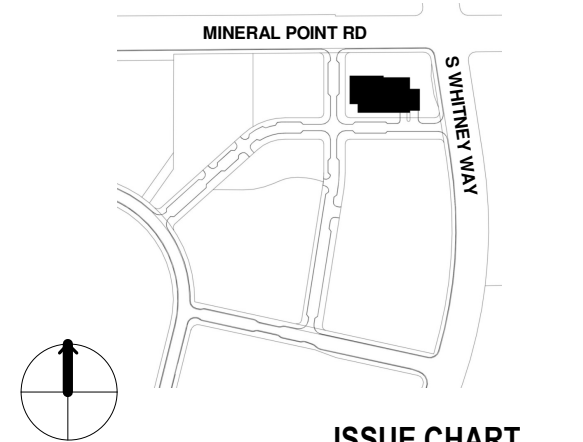
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**KEYPLAN**



**ISSUE CHART**

NO.	DESCRIPTION	DATE
2	SITE PLAN APPROVAL	JUN 1 2021
1	DESIGN DEVELOPMENT	MAY 27 2021

Job Number 021130.000  
TITLE

**ENLARGED PLANTING PLAN E**

SHEET NUMBER

**L05-02**

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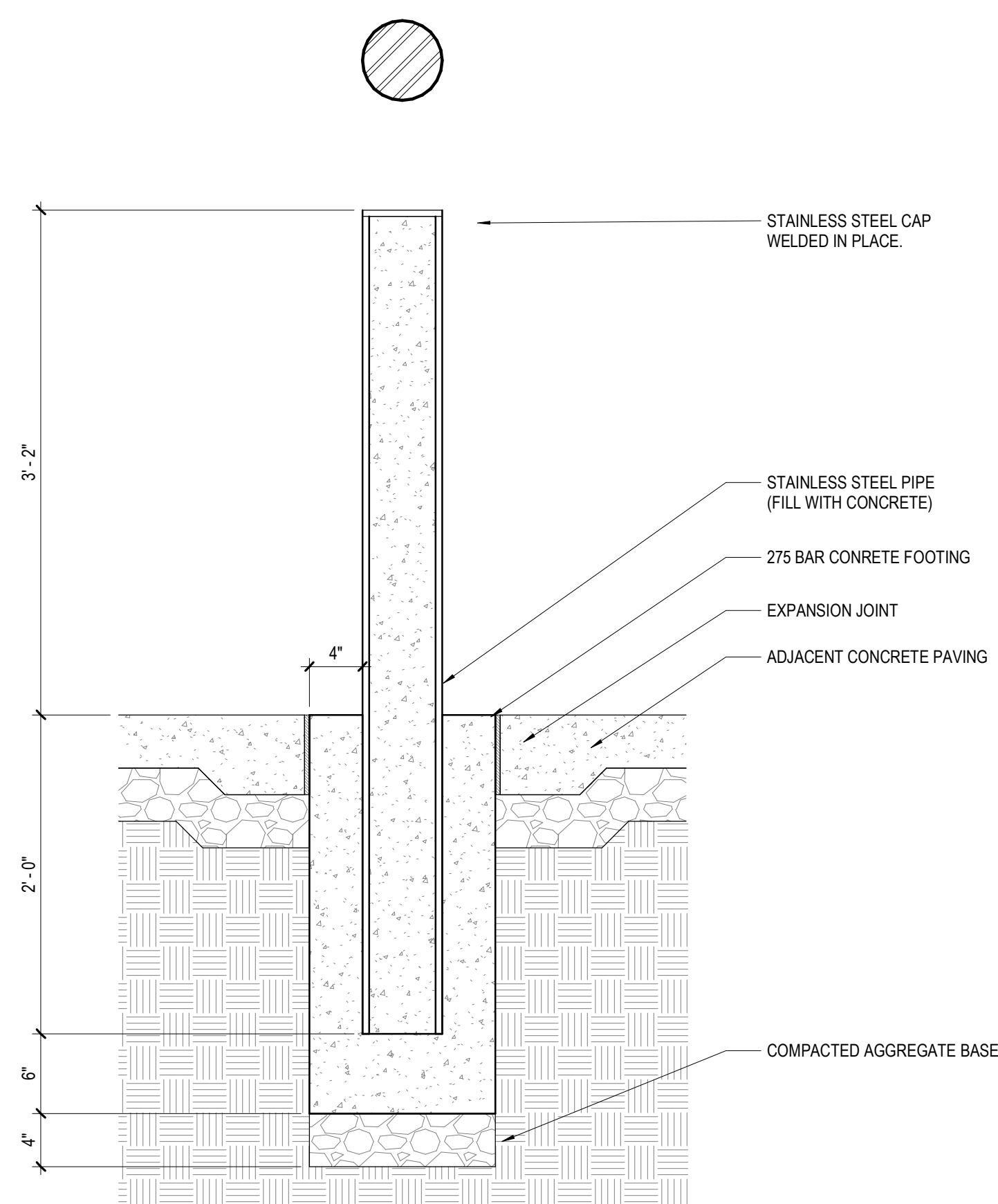




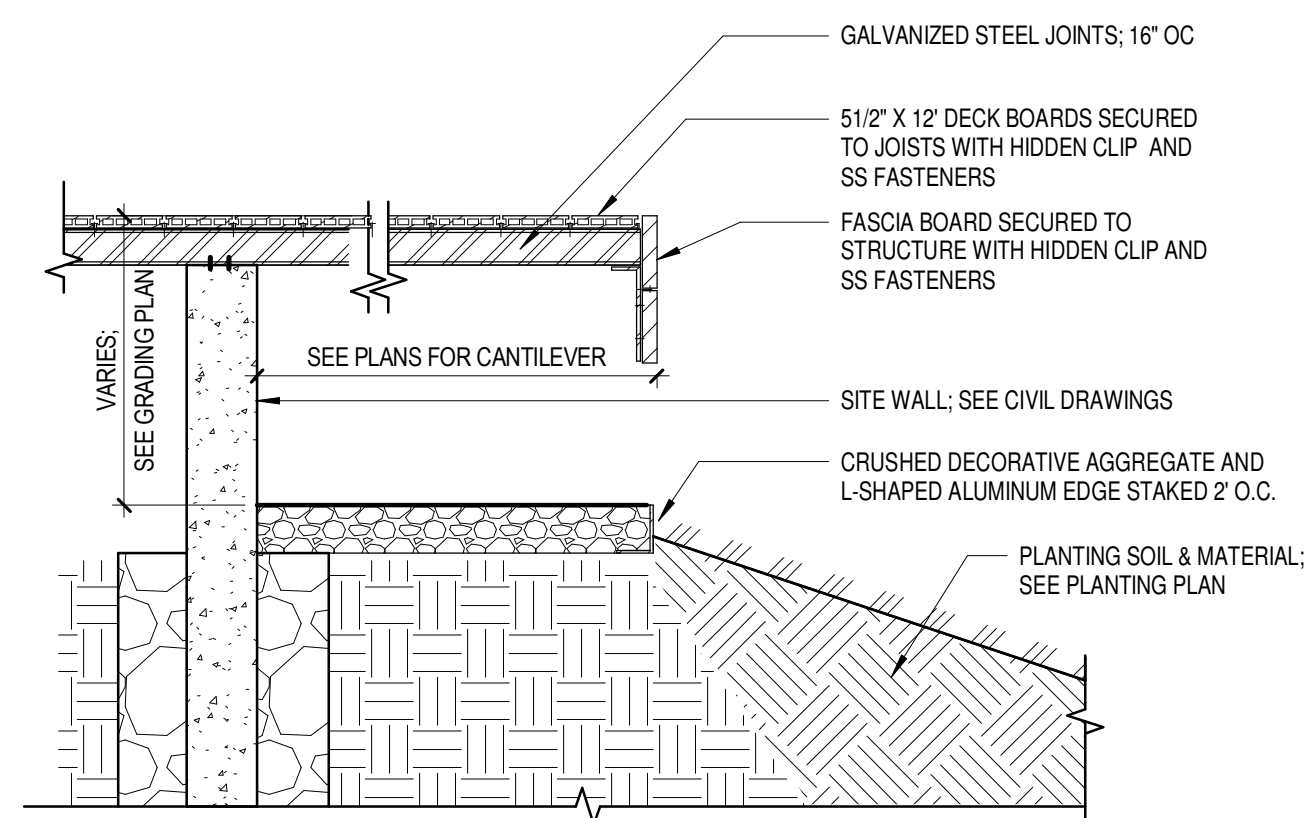


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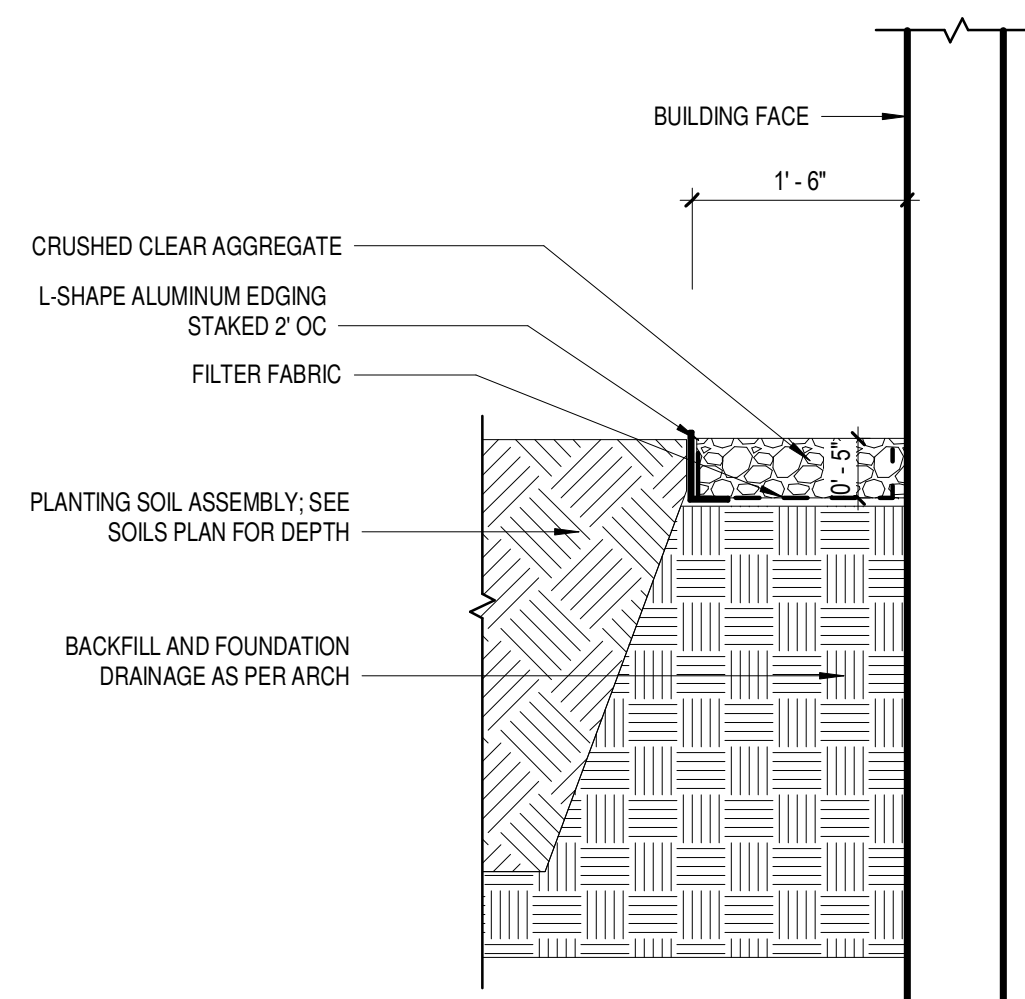
**11 SS BOLLARD, FIXED**  
1:10



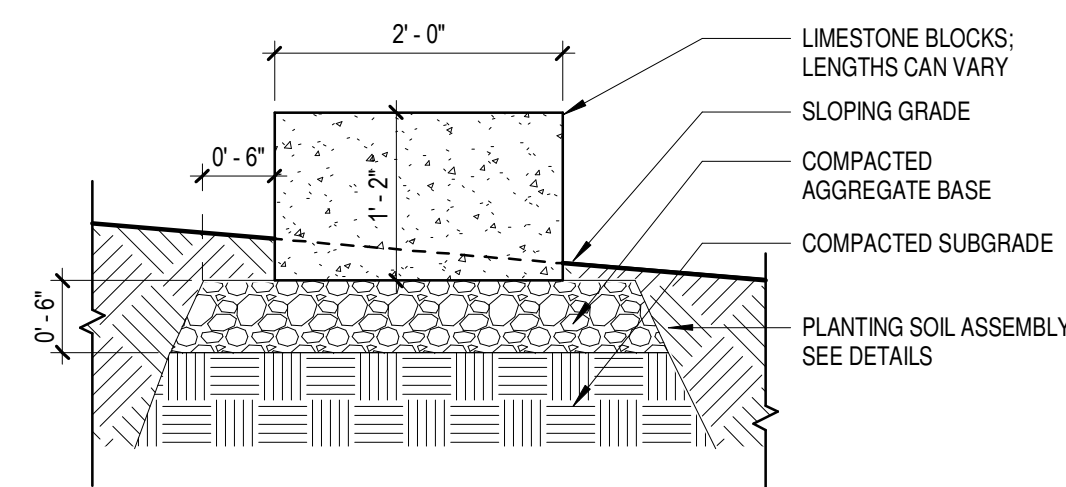
**7 PAVING 4B - DECK OVER STRUCTURE**  
3/4" = 1'-0"



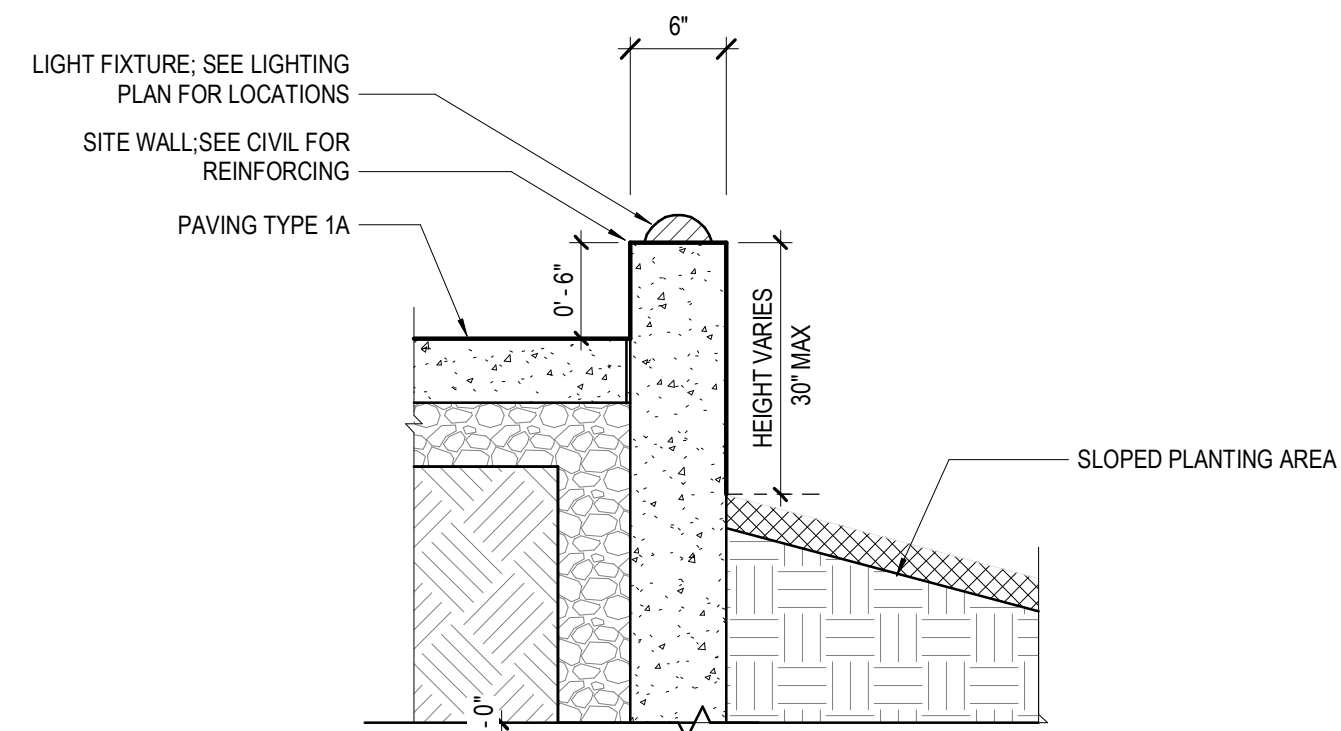
**8 MAINTENANCE PATH SECTION**  
3/4" = 1'-0"



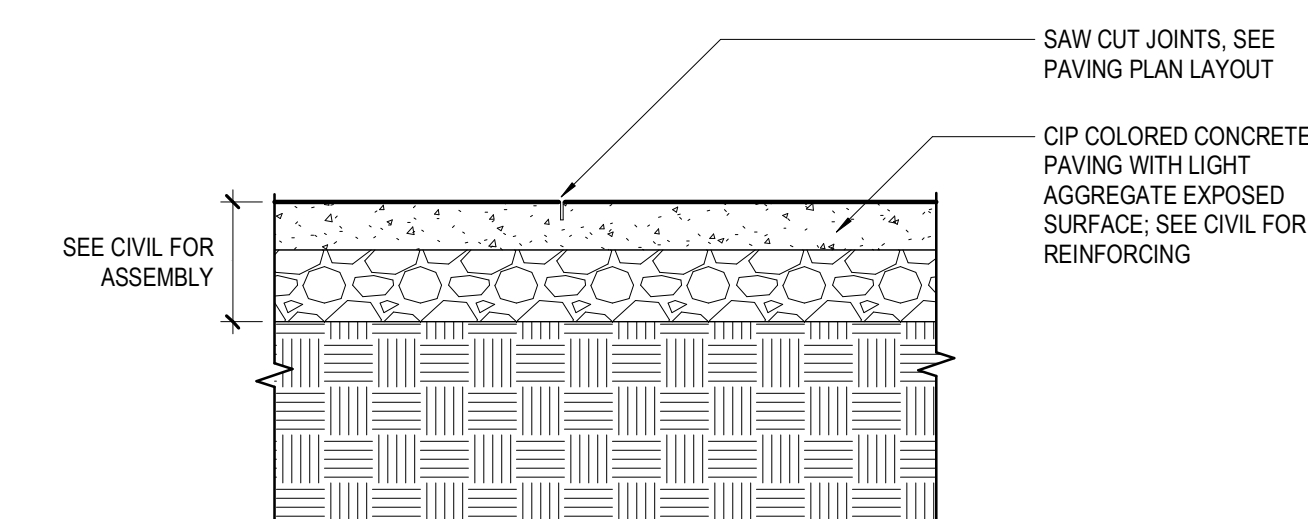
**9 LIMESTONE LINEAR BANDS**  
3/4" = 1'-0"



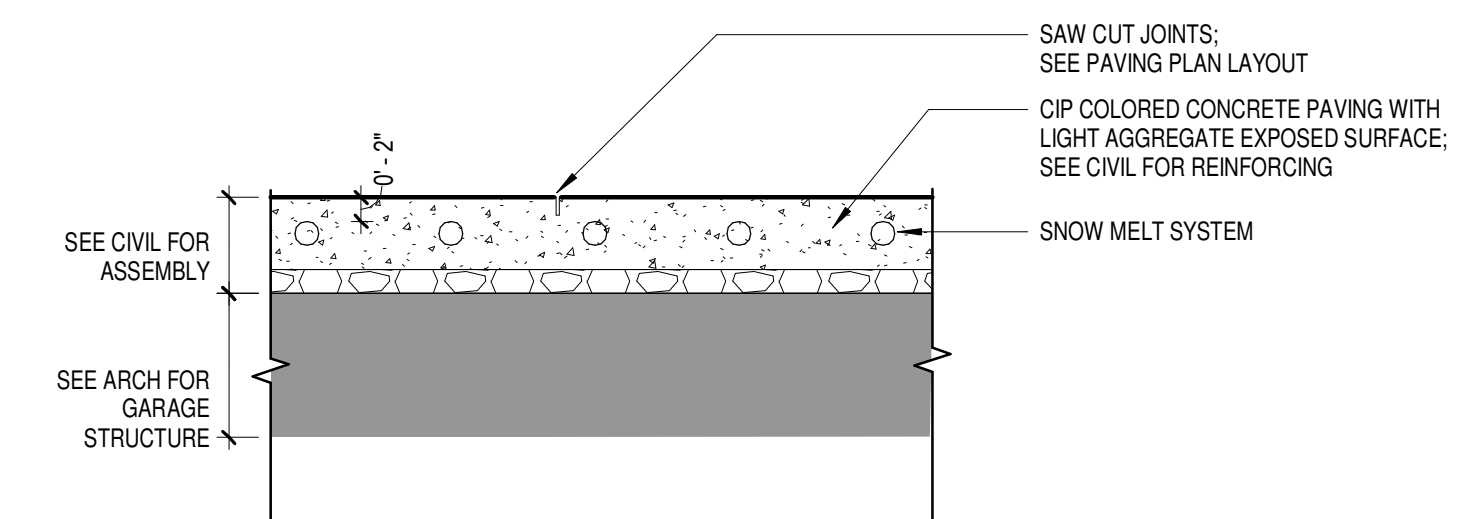
**10 EAST EGRESS WALK AND CURB, SECTION**  
1" = 1'-0"



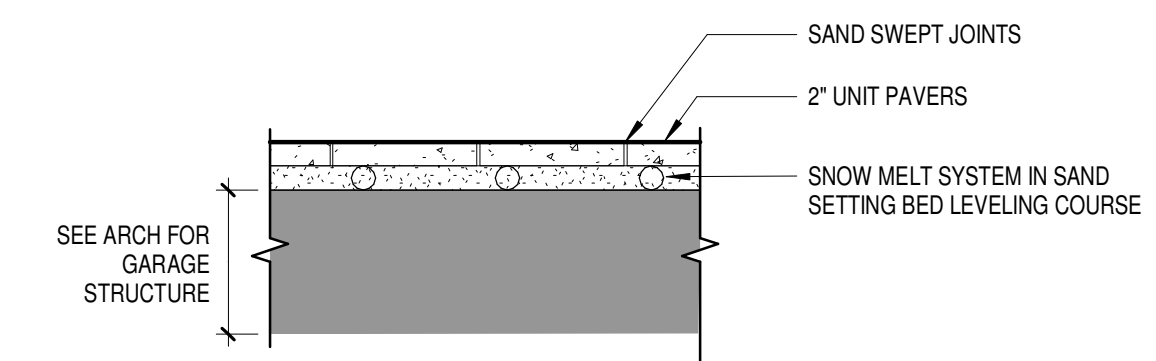
**1 PAVING TYPE 1A - CIP CONCRETE PAVING**  
3/4" = 1'-0"



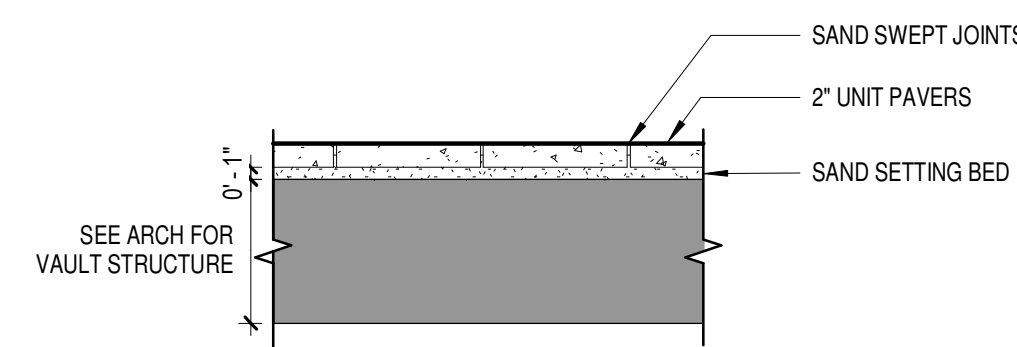
**2 PAVING TYPE 1B - CIP CONCRETE PAVING OVER STRUCTURE**  
3/4" = 1'-0"



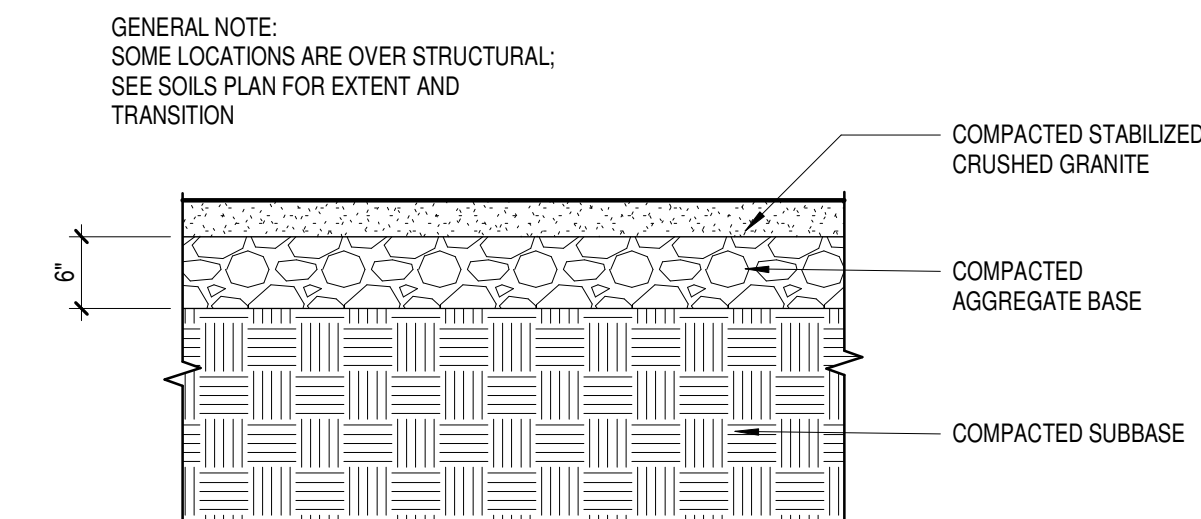
**3 PAVING TYPE 2A - UNIT PAVING OVER STRUCTURE**  
3/4" = 1'-0"



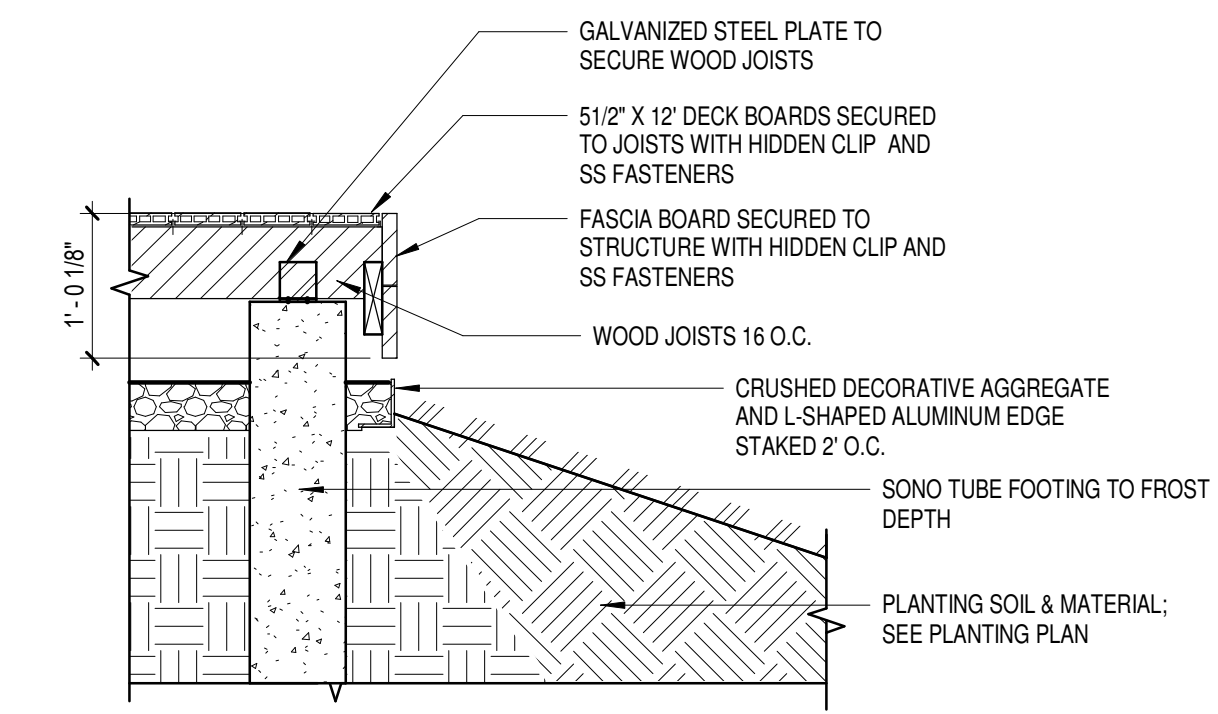
**4 PAVING TYPE 2B - UNIT PAVING OVER VAULT**  
3/4" = 1'-0"



**5 PAVING TYPE 3 - STABILIZED DECOMPOSED GRANITE**  
3/4" = 1'-0"



**6 PAVING 4A - DECK ON GRADE**  
3/4" = 1'-0"



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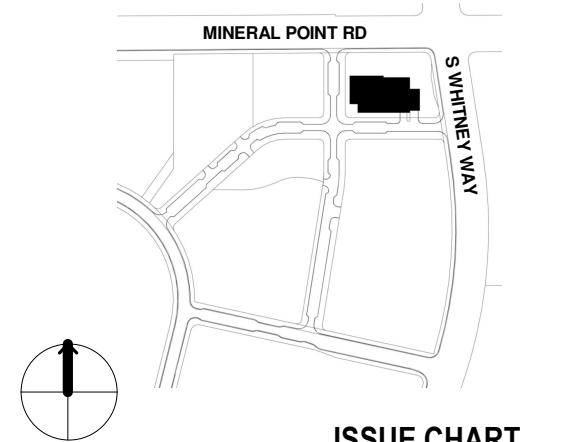
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**KEYPLAN**



**ISSUE CHART**

NO.	DESCRIPTION	DATE
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Job Number 021130.000  
TITLE

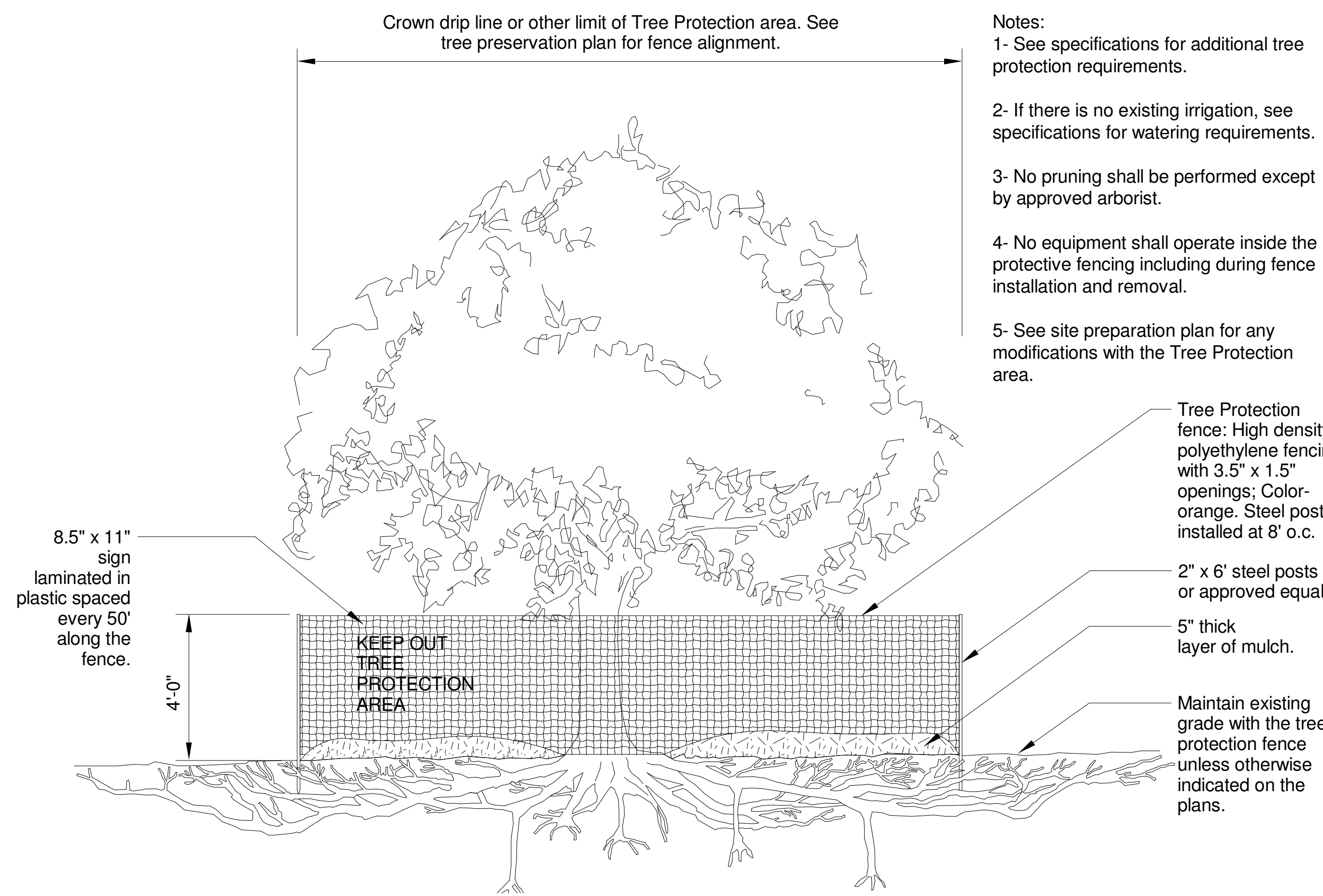
**HARDSCAPE DETAILS**

SHEET NUMBER

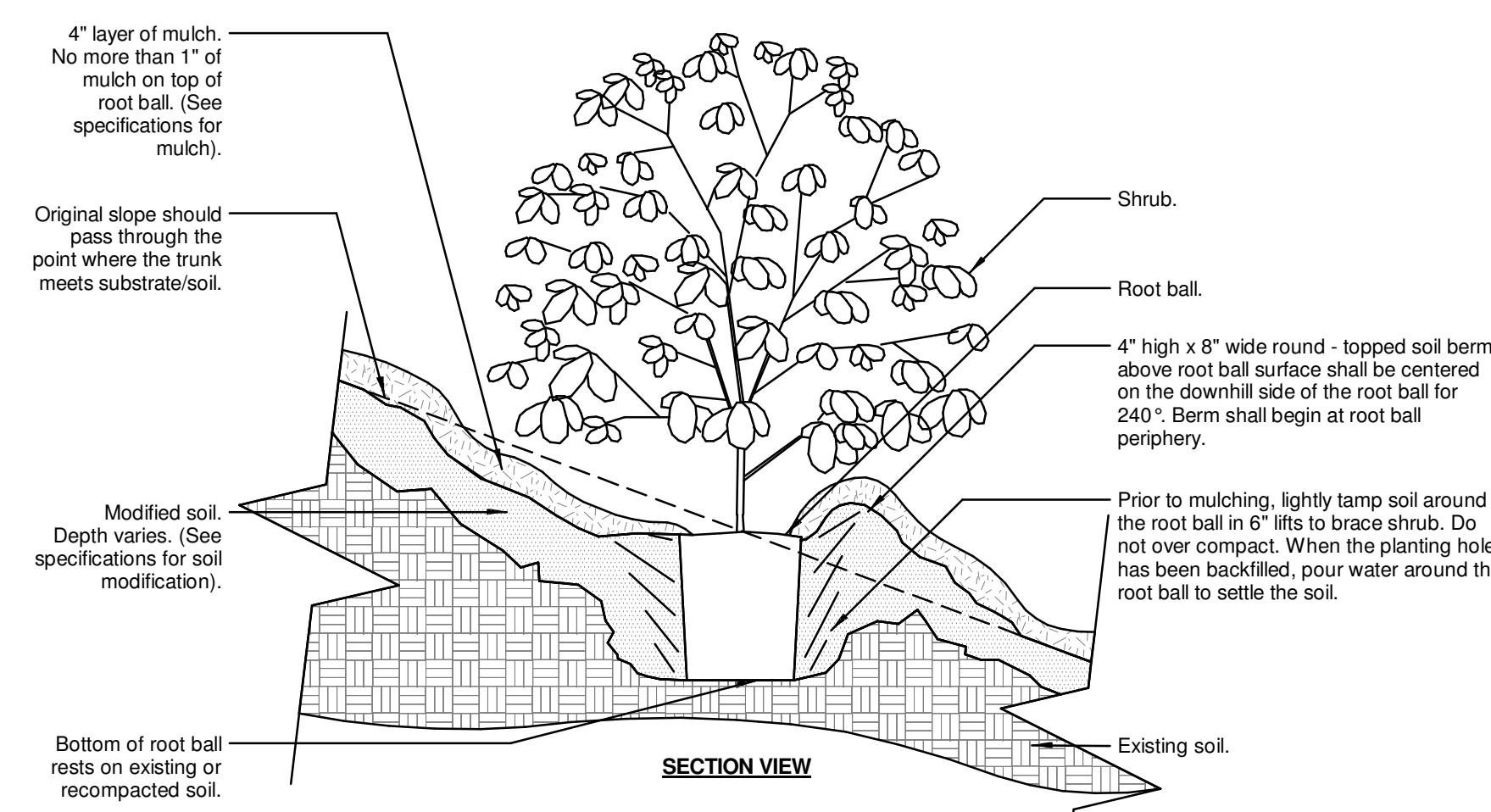
**L08-01**

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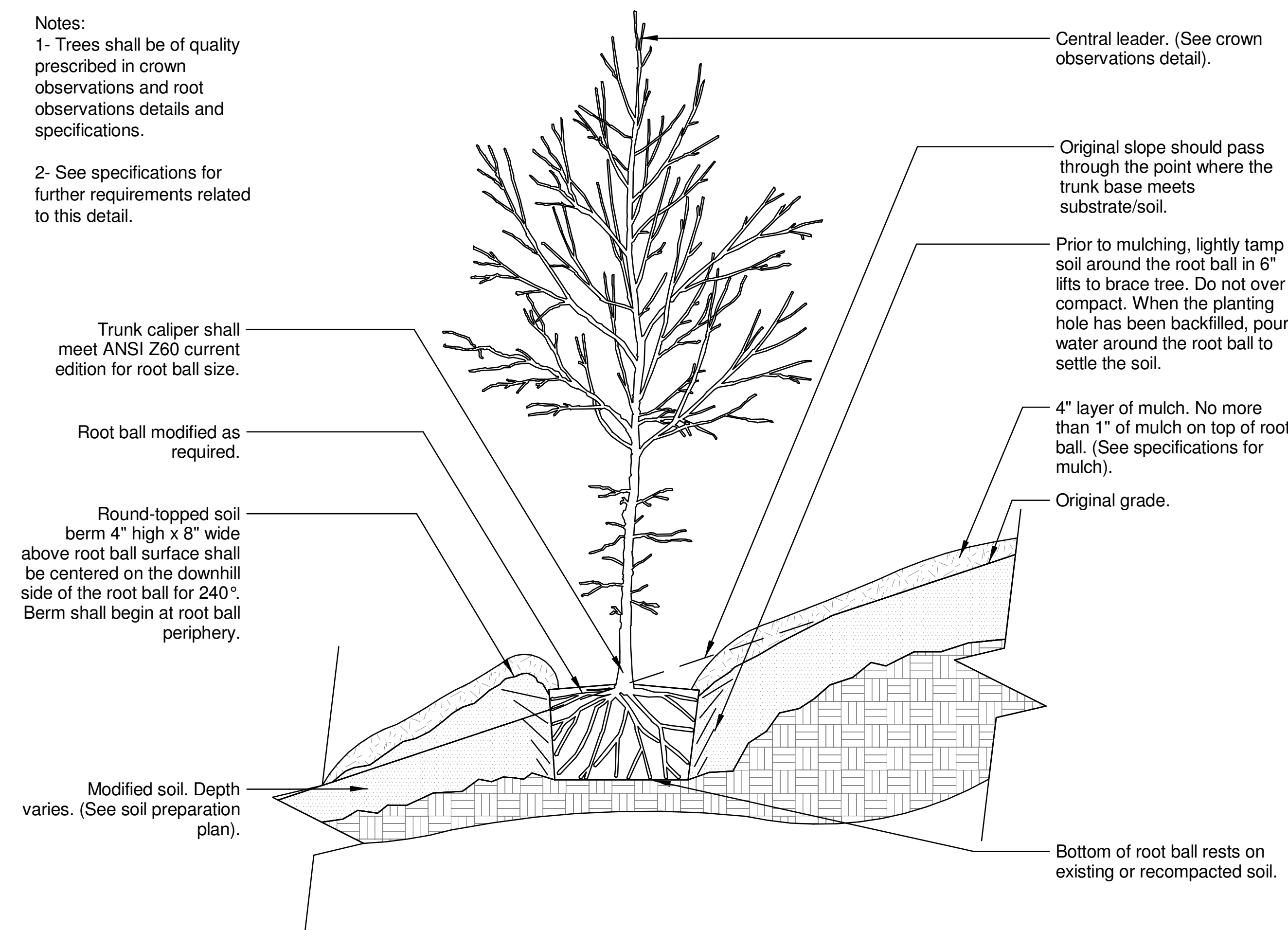
ISSUED FOR SITE PLAN APPROVAL 1 JUNE 2021



**6 TREE PROTECTION, SECTION**  
3/8" = 1'-0"



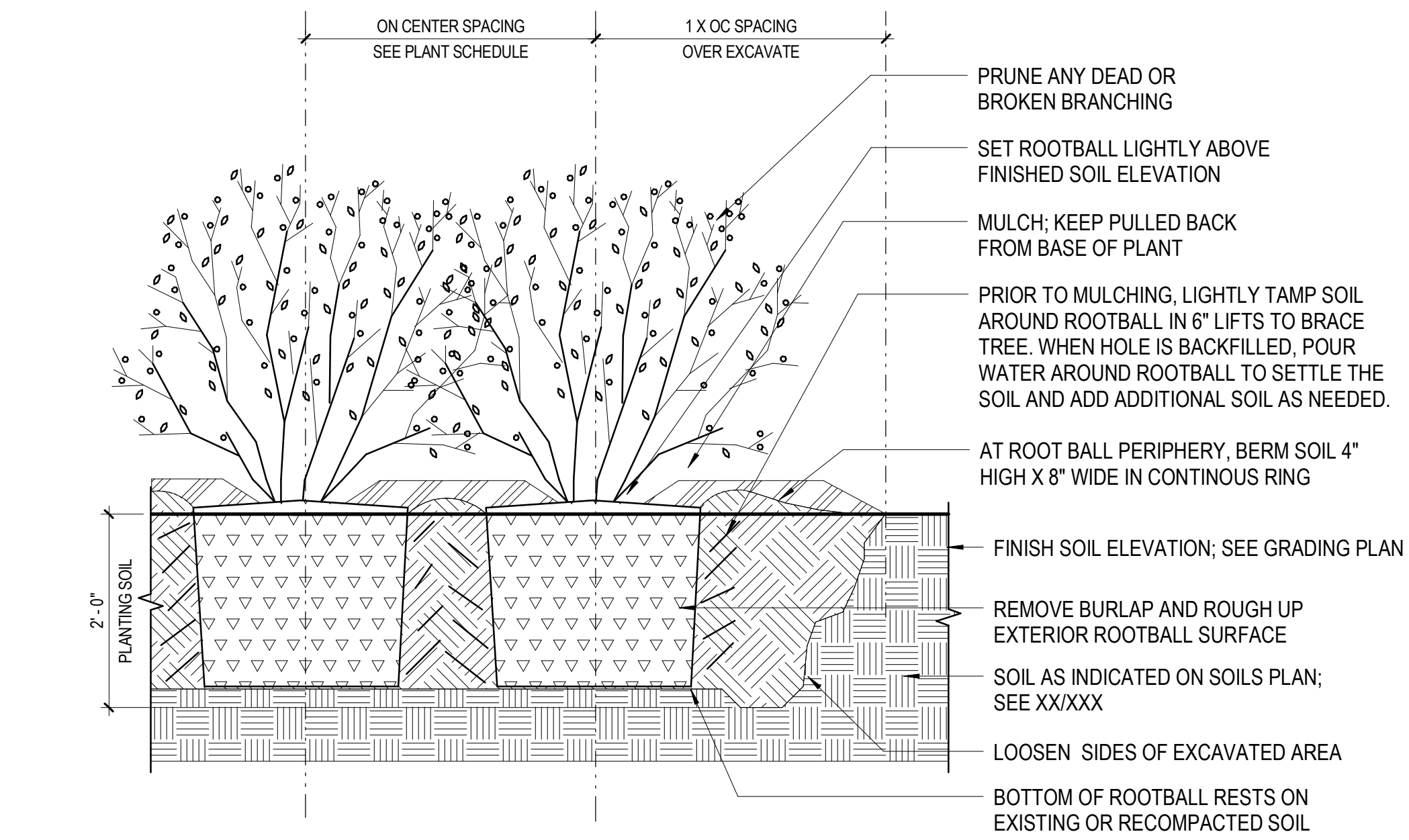
**5 SHRUB PLANTING ON SLOPE, SECTION**  
3/4" = 1'-0"



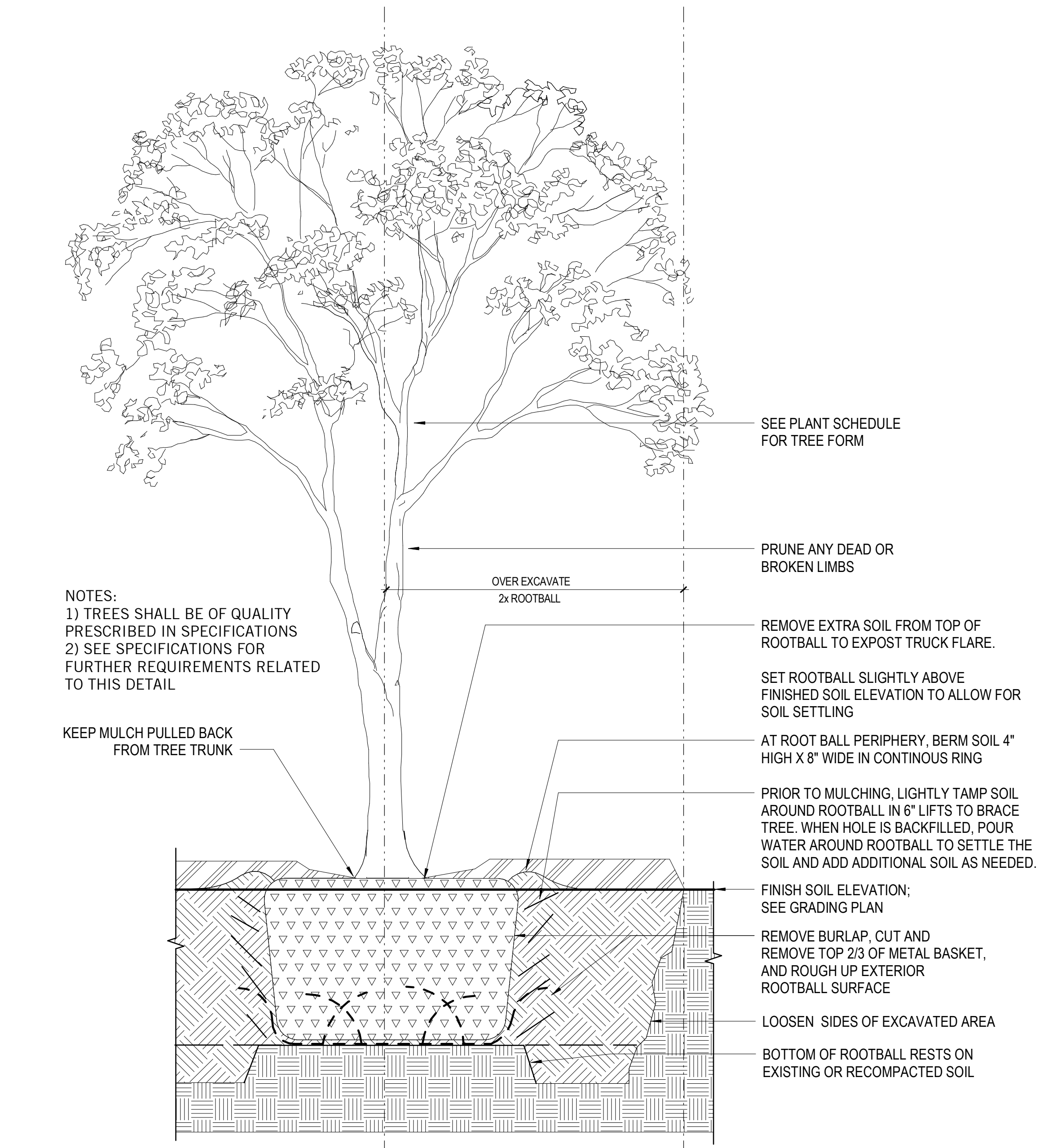
**4 TREE PLANTING ON SLOPE, SECTION**  
3/4" = 1'-0"

- Notes:
- 1- See specifications for additional tree protection requirements.
  - 2- If there is no existing irrigation, see specifications for watering requirements.
  - 3- No pruning shall be performed except by approved arborist.
  - 4- No equipment shall operate inside the protective fencing including during fence installation and removal.
  - 5- See site preparation plan for any modifications with the Tree Protection area.

**3 PERENNIAL PLANTING, SECTION & PLAN**  
3/4" = 1'-0"



**2 SHRUB PLANTING, SECTION**  
3/4" = 1'-0"



**1 TREE PLANTING, SECTION**  
3/4" = 1'-0"

The Wigley Building  
410 North Michigan Ave.  
Suite 1600  
Chicago, IL 60611  
1312.755.0770  
1312.755.0775  
www.perkinswill.com

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Madison, WI 53703

STRUCTURAL  
GRAEF  
1010 East Washington Avenue, Suite 202  
Madison, WI 53703

MEP  
J. H. FINDORFF & SON INC.  
300 South Bedford Street  
Madison, WI 53719

**OWNER'S TEAM**

OWNER  
UNIVERSITY RESEARCH PARK  
510 Charmany Drive, Suite 250  
Madison, WI 53719

OWNER'S REPRESENTATIVE  
SMOCKE & ASSOCIATES, INC.  
925 E. Wells St., #1119, P.O. Box 511267  
Milwaukee, WI 53202

CONSTRUCTION MANAGER  
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300 South Bedford Street  
Madison, WI 53703

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**PROJECT**

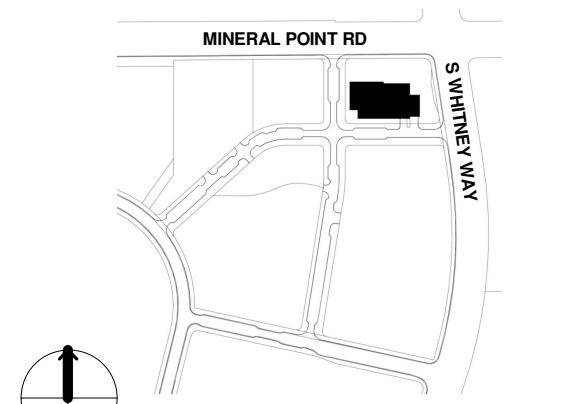
**UNIVERSITY RESEARCH PARK - ELEMENT LABS**



**UNIVERSITY RESEARCH PARK**

510 CHARMANY DR. STE. 250  
MADISON, WI 53719

**KEYPLAN**



**ISSUE CHART**

NO.	DESCRIPTION	DATE
2	SITE PLAN APPROVAL	JUN 1 2021
1	DESIGN DEVELOPMENT	MAY 27 2021

Job Number 021130.000  
TITLE

**PLANTING DETAILS**

**SHEET NUMBER**

**L08-02**

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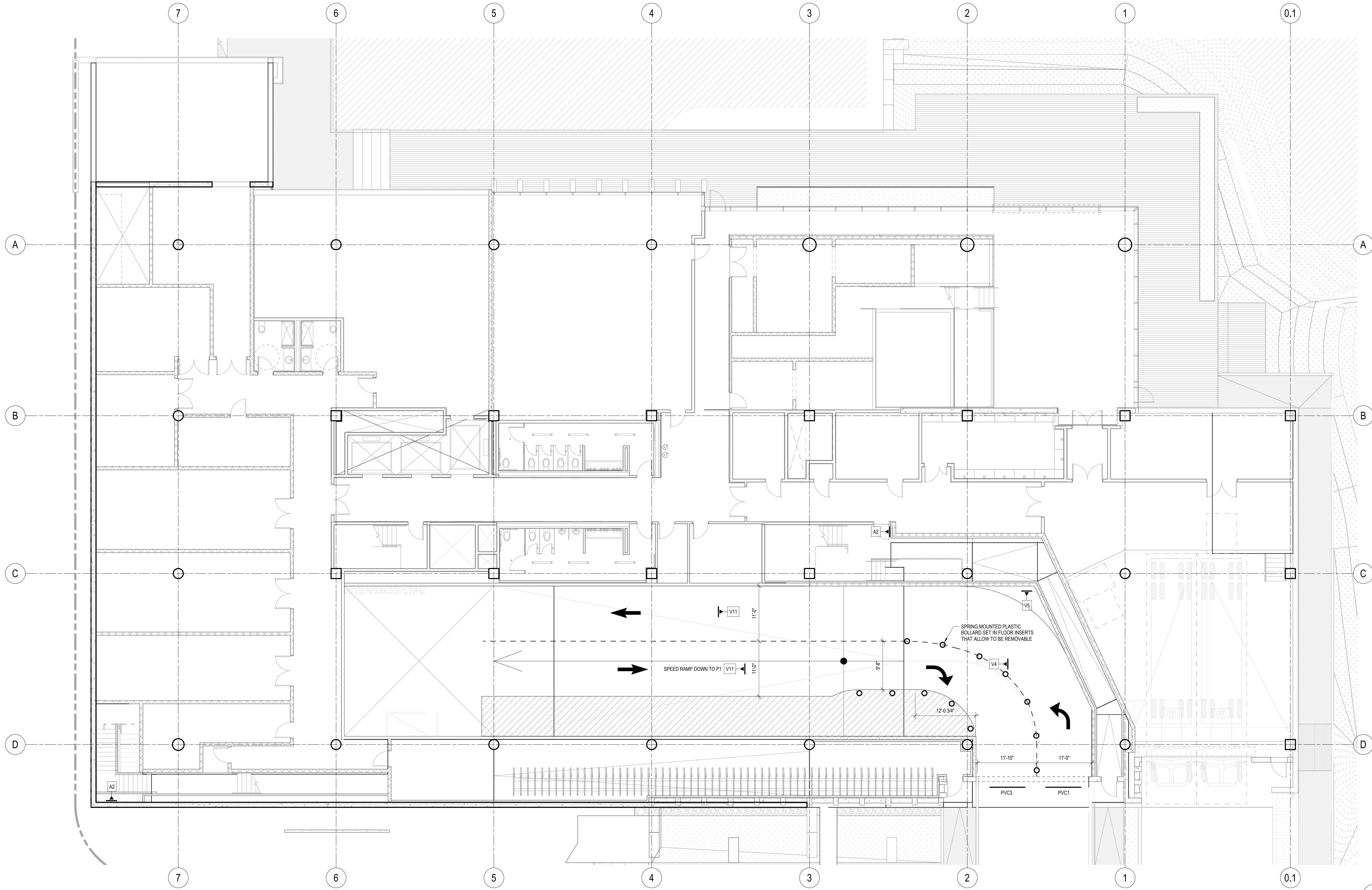


**GENERAL PARCS NOTES**

- DRAWINGS ARE SCHEMATIC DIAGRAMS. PARCS CONTRACTOR TO COORDINATE FINAL CONDUIT QUANTITIES, SIZES, LOCATION OF CONDUIT STUB UPS, PROTECTIVE BOLLARDS, AND EQUIPMENT MOUNTING LOCATIONS.
- GENERAL CONTRACTOR SHALL COORDINATE LOCATION OF FMS (FACILITY MANAGEMENT SYSTEM) WITH OWNER AND ARCHITECT.
- COORDINATE FINAL EQUIPMENT LOCATIONS, ELECTRICAL AND COMMUNICATIONS REQUIREMENTS WITH EQUIPMENT MANUFACTURERS.

**EQUIPMENT LEGEND**

EQUIPMENT	DEFINITION	EQUIPMENT	DEFINITION
AG	AUTOMATIC GATE 1-30A, 120V, 2400W CIRCUIT	CR1	CARD READER / INTERCOM POWER FROM GATE
(Symbol: 6'-0" x 6'-6" loop)	TYPICAL LOOP	ENS	ENTRANCE STATION 1-30A, 120V, 2400W CIRCUIT
(Symbol: Circle with dot)	EQUIPMENT PROTECTIVE BOLLARD SEE DETAIL	EXS	EXIT STATION 1-30A, 120V, 2400W CIRCUIT
LFS	LOT FULL SIGN	APM	AUTOMATED PAY MACHINE / INTERCOM 1-30A, 120V, 2400W CIRCUIT
TC	TRAFFIC CONTROLLER	APM/CC	AUTOMATED PAY MACHINE / CREDIT CARD ONLY / INTERCOM 1-30A, 120V, 2400W CIRCUIT



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Milwaukee, WI 53202

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Madison, WI 53703

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**PROJECT**

**UNIVERSITY RESEARCH PARK - ELEMENT LABS**

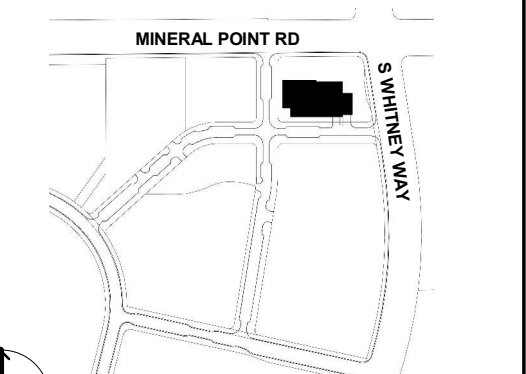
ISSUED FOR DESIGN DEVELOPMENT 27 MAY 2021



**UNIVERSITY RESEARCH PARK**

510 CHARMANY DR. STE. 250  
MADISON, WI 53719

**KEYPLAN**



**ISSUE CHART**

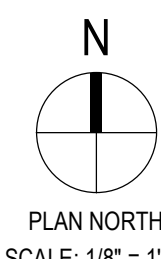
NO.	DESCRIPTION	DATE
2	SITE PLAN APPROVAL	JUN 1 2021
1	DESIGN DEVELOPMENT	MAY 27 2021

Job Number: 021130.000

**LEVEL B1 PARKING FLOOR PLAN**

**SHEET NUMBER**

**AG10-03**



PLAN NORTH  
SCALE: 1/8" = 1'-0"

NOTE: DOCUMENTS ARE INCOMPLETE AND MAY NOT BE USED FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION PURPOSES.



NO.	DESCRIPTION	DATE
2	SITE PLAN APPROVAL	JUN 1 2021
1	DESIGN DEVELOPMENT	MAY 27 2021

Job Number 021130.000  
TITLE

**SIGNAGE SCHEDULE**

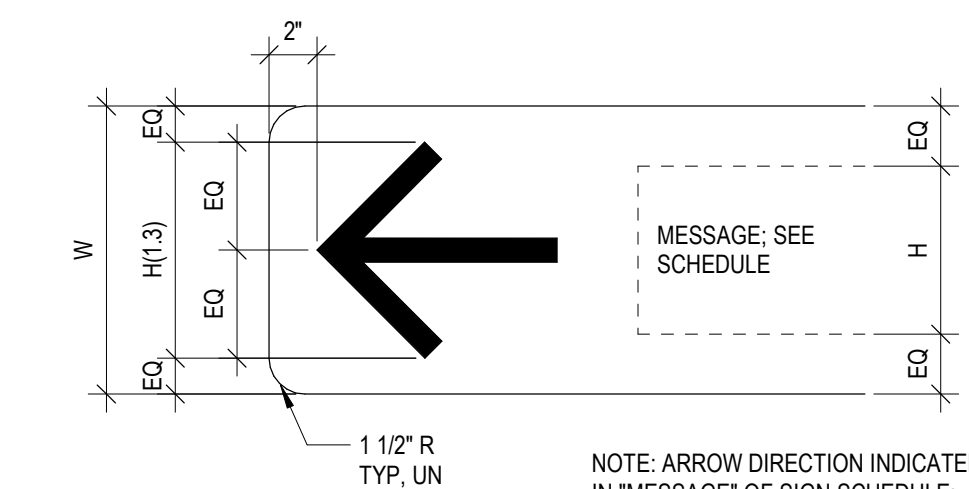
MARK	SIZE		MESSAGE(S) / SYMBOL(S)	SIGN TYPE	BACKGROUND COLOR	LETTERS / SYMBOLS		MOUNTING		COMMENTS
	W	L				H	COLOR	DETAIL	HT	
V1	1'-0"	8'-0"	(Do not enter symbol) DO NOT ENTER (Do not enter symbol)	V	Green	6"	WHITE	AS/AG602	7'-2"	
V2	1'-0"	4'-0"	OUT (Arrow up)	V	Green	6"	WHITE	AS/AG602	7'-2"	
V3	1'-0"	4'-0"	OUT (Arrow right turn)	V	Green	6"	WHITE	AS/AG602	7'-2"	
V4	1'-0"	4'-0"	(Arrow left) OUT	V	Green	6"	WHITE	AS/AG602	7'-2"	
V5	1'-0"	4'-0"	(Arrow left) PARK	V	Green	6"	WHITE	AS/AG602	7'-2"	
V6	1'-0"	4'-0"	(Arrow left turn) PARK (Arrow up)	V	Green	6"	WHITE	AS/AG602	7'-2"	
V7	1'-0"	8'-0"	PARK (Arrow right)	V	Green	6"	WHITE	AS/AG602	7'-2"	
V8	1'-0"	8'-0"	(Arrow up) OUT PARK (Arrow up)	V	Green	6"	WHITE	AS/AG602	7'-2"	
V9	1'-0"	8'-0"	(Arrow left turn) OUT PARK (Arrow up)	V	Green	6"	WHITE	AS/AG602	7'-2"	
V10	1'-0"	8'-0"	(Arrow up) OUT PARK (Arrow left turn)	V	Green	6"	WHITE	AS/AG602	7'-2"	
V11	1'-0"	8'-0"	(SMPH symbol) SPEED LIMIT (SMPH symbol)	V	Green	6"	WHITE	AS/AG602	7'-2"	
V12	1'-0"	8'-0"	(Yield symbol) WATCH FOR PEDESTRIANS (Yield symbol)	V	Green	6"	WHITE	AS/AG602	7'-2"	
V13	1'-0"	8'-0"	(Stop symbol) STOP (Stop symbol)	V	Green	6"	WHITE	AS/AG602	7'-2"	
V14	1'-0"	4'-0"	(Do not enter symbol)	V	Green	6"	WHITE	AS/AG602	7'-2"	SYMBOL TO BE CENTERED ON SIGN
PVC1	10"	10'-0"	7'-2" CLEARANCE 7'-2"	PVC	Black	-	WHITE	A2/AG602 & B2/AG602	7'-2"	
PVC2	10"	10'-0"	(Do not enter symbol) DO NOT ENTER (Do not enter symbol)	PVC	Black	-	WHITE	A2/AG602 & B2/AG602	7'-2"	
PVC3	10"	10'-0"	8'-2" CLEARANCE 8'-2"	PVC	Black	-	WHITE	A2/AG602 & B2/AG602	7'-2"	
PD1	1'-0"	8'-0"	(Elevator symbol) ELEVATORS	PD	Blue	6"	WHITE	A4/AG602	6'-0"	
PD2	1'-0"	8'-0"	(Elevator symbol) ELEVATORS (Arrow right)	PD	Blue	6"	WHITE	A4/AG602	6'-0"	
PD3	1'-0"	8'-0"	(Arrow left) ELEVATORS (Elevator symbol)	PD	Blue	6"	WHITE	A4/AG602	6'-0"	
R1	1'-6"	1'-2"	ADA	R			WHITE			SEE DETAIL B6/AG602
R2	2'-0"	2'-0"	ADA VAN	R			WHITE			SEE DETAIL B6/AG602
R3	1'-0"	2'-0"	EV CHARGING	R			WHITE			SEE DETAIL B5/AG602
A1	1'-4"	1'-2"	Refer to detail B1/AG602	A			WHITE	B1/AG602	3'-0"	
A2	1'-4"	1'-2"	Refer to detail C1/AG602	A			WHITE	C1/AG602	3'-0"	
A3	10"	6"	Refer to detail D1/AG602	A			WHITE	D1/AG602	3'-0"	
PT1	1'-10"	2'-0"	Refer to detail A1/AG602	PT		Refer to detail	WHITE	A1/AG602	4'-2"	WIDTH TO MATCH COLUMN WIDTH; REFER TO FLOOR PLAN
PT2	1'-10"	2'-0"	Refer to detail A1/AG602	PT		Refer to detail	WHITE	A1/AG602	4'-2"	WIDTH TO MATCH COLUMN WIDTH; REFER TO FLOOR PLAN
PT3	1'-10"	2'-0"	Refer to detail A1/AG602	PT		Refer to detail	WHITE	A1/AG602	4'-2"	WIDTH TO MATCH COLUMN WIDTH; REFER TO FLOOR PLAN
PT4	1'-10"	2'-0"	Refer to detail A1/AG602	PT		Refer to detail	WHITE	A1/AG602	4'-2"	WIDTH TO MATCH COLUMN WIDTH; REFER TO FLOOR PLAN

**SIGN TYPES LEGEND**

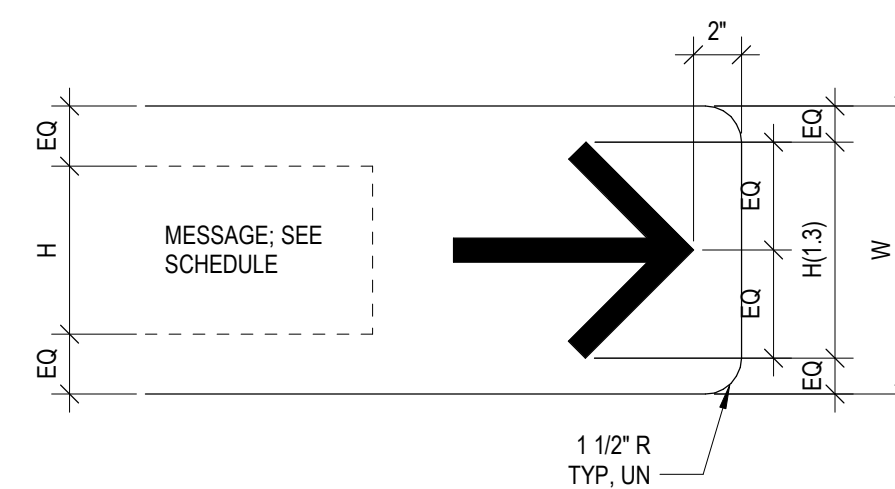
MARK	TYPE
V	VEHICULAR (RETROREFLECTIVE TEXT ONLY)
PD	PEDESTRIAN
R	REGULATORY (RETROREFLECTIVE)
PVC	PVC PIPE CLEARANCE
A	ARCHITECTURAL
PT	COLUMN SIGNAGE - AREA DESIGNATORS
EF	FIRE EXTINGUISHER DESIGNATOR

**SIGNAGE GENERAL NOTES**

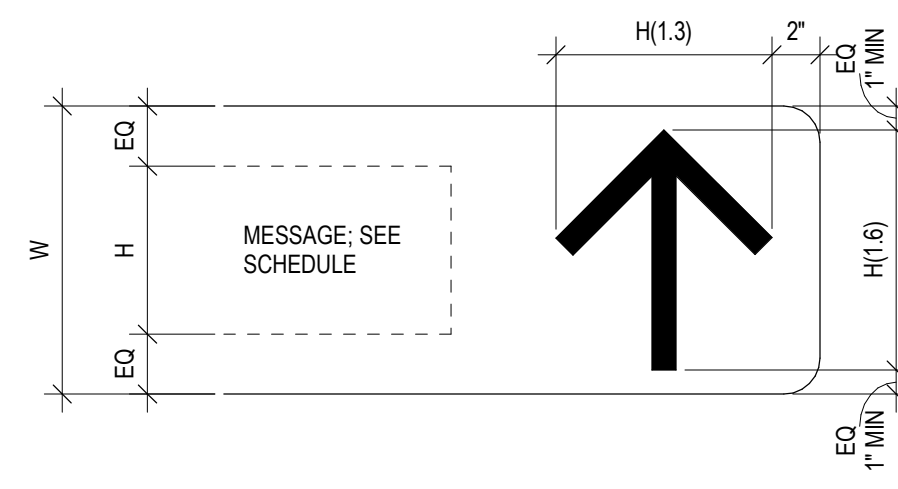
- SIGN CONTRACTOR SHALL REVIEW SIGN LOCATIONS PRIOR TO INSTALLATION WITH ARCHITECT TO COORDINATE WITH LIGHTING SYSTEM.
- SIGNS SHALL BE MOUNTED LEVEL AND PLUMB, UNLESS NOTED.
- WHERE TWO (2) SIGNS ARE MOUNTED BACK TO BACK, SMALLEST L DIMENSION SHALL INCREASE TO MATCH LARGEST L DIMENSION.
- MAXIMUM BOLT INSERT EMBEDMENT LENGTH 1" UNLESS NOTED.
- BACKS AND EDGES OF ALL ALUMINUM SIGNS MOUNTED DIRECTLY TO STRUCTURE SHALL BE PAINTED (SIGN BACKGROUND COLOR) TO PREVENT CATHODIC REACTION.
- SEE ARCHITECTURAL GRAPHICS PLANS (A100) SERIES FOR SIGN LOCATIONS.
- ALL FONTS, COLORS, & SYMBOLS SHALL MATCH PHASE 1 SHOP DRAWINGS UNLESS NOTED OTHERWISE.
- COLORS WHERE NOT INDICATED TO BE AS SELECTED BY OWNER AND ARCHITECT.
- REFER TO MESSAGES AND SYMBOLS LEGEND FOR ADDITIONAL SIZING.



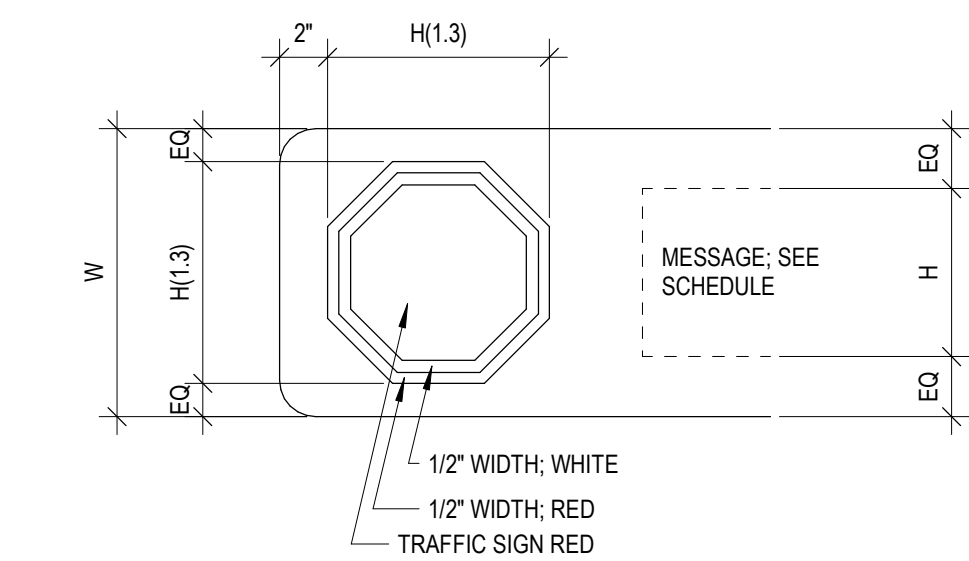
**ARROW LEFT**



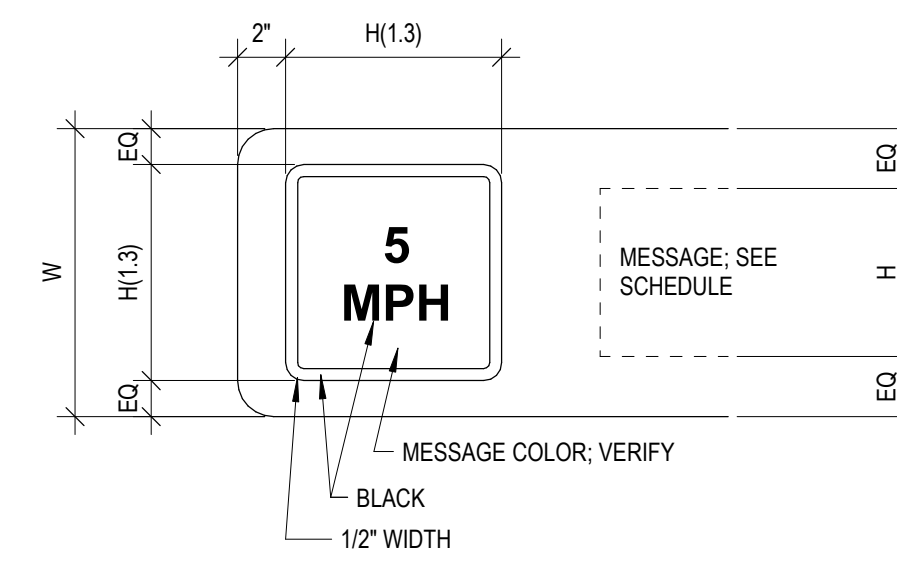
**ARROW RIGHT**



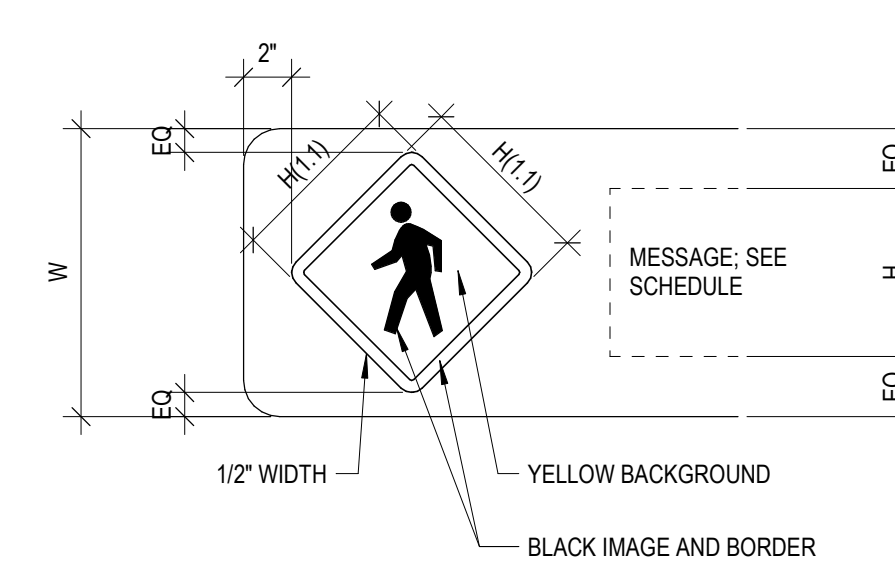
**ARROW UP**



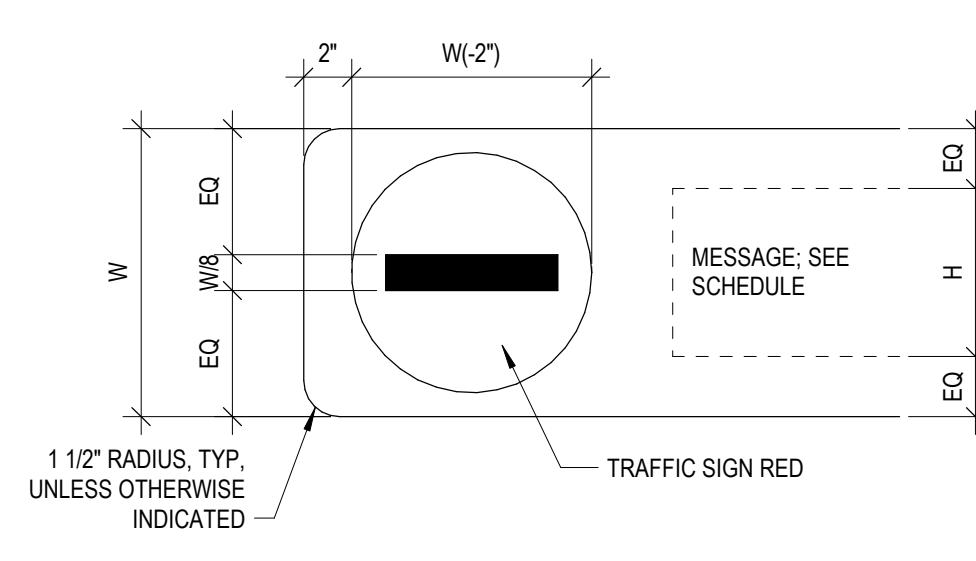
**STOP**



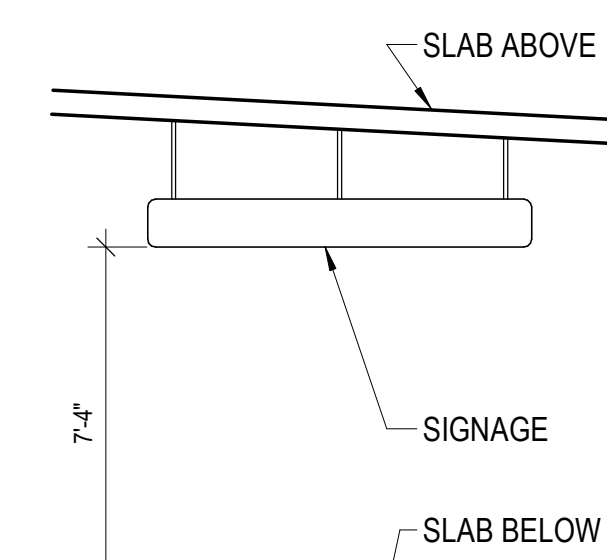
**5 MPH**



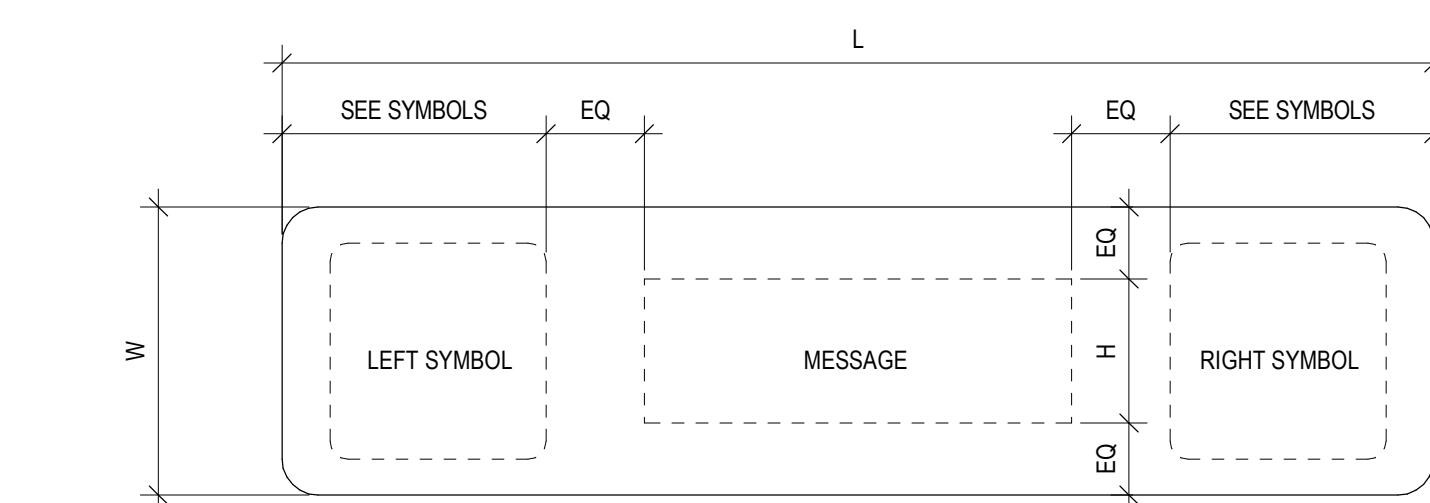
**YIELD**



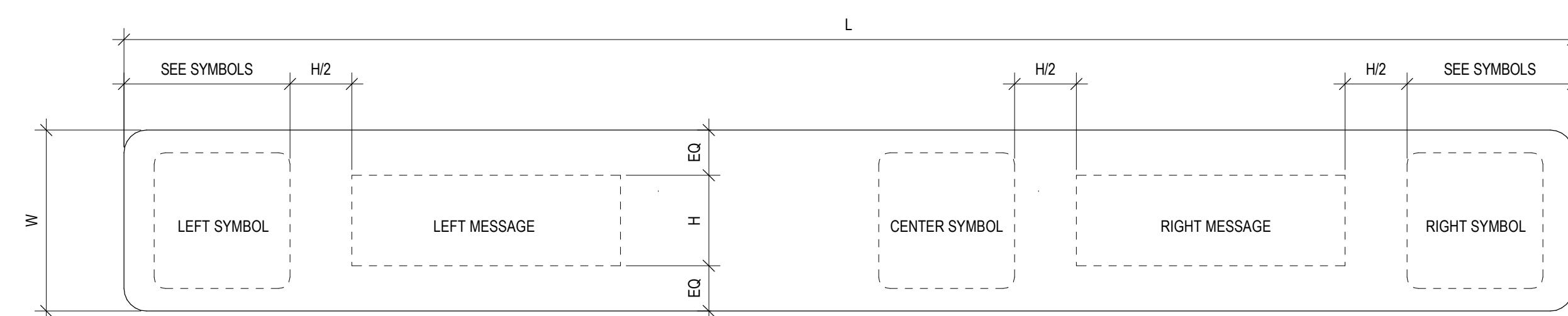
**DO NOT ENTER**



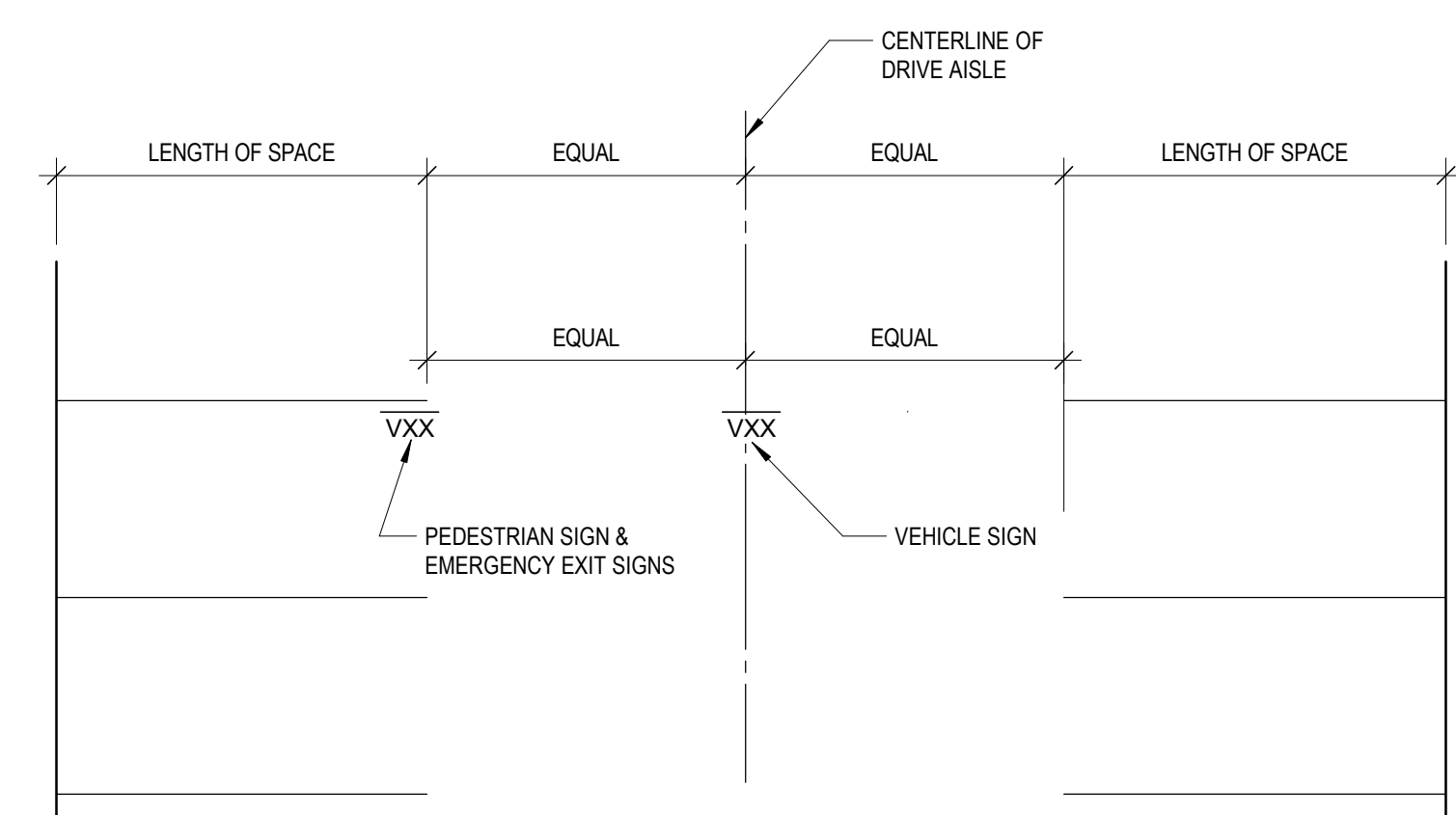
**B5 VEHICULAR SIGN MOUNTING AT RAMP**  
1/4" = 1'-0"



**SINGLE MESSAGE SIGN**

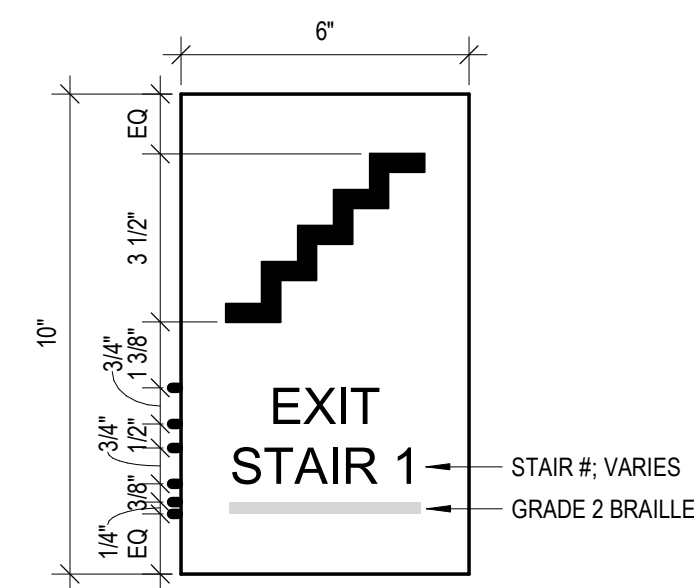


**DUAL MESSAGE SIGN**

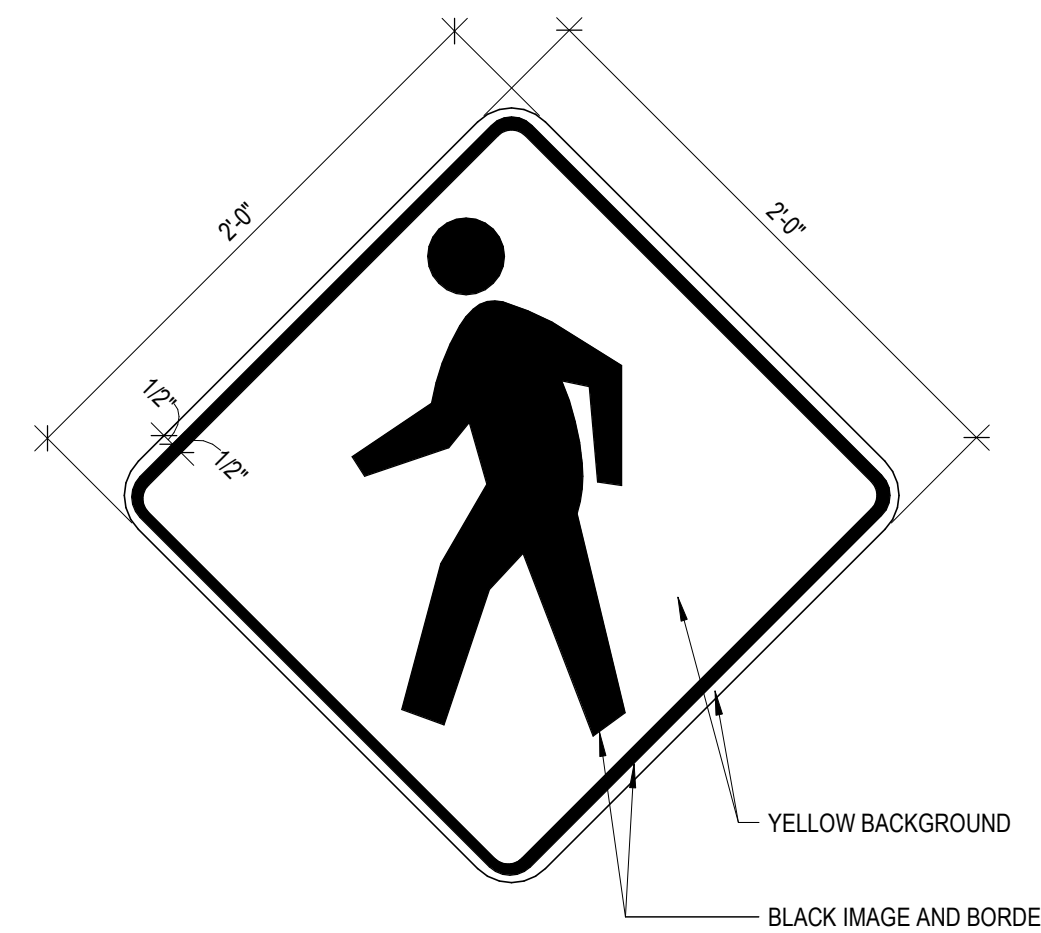


**A5 SIGN LOCATION**  
1/8" = 1'-0"

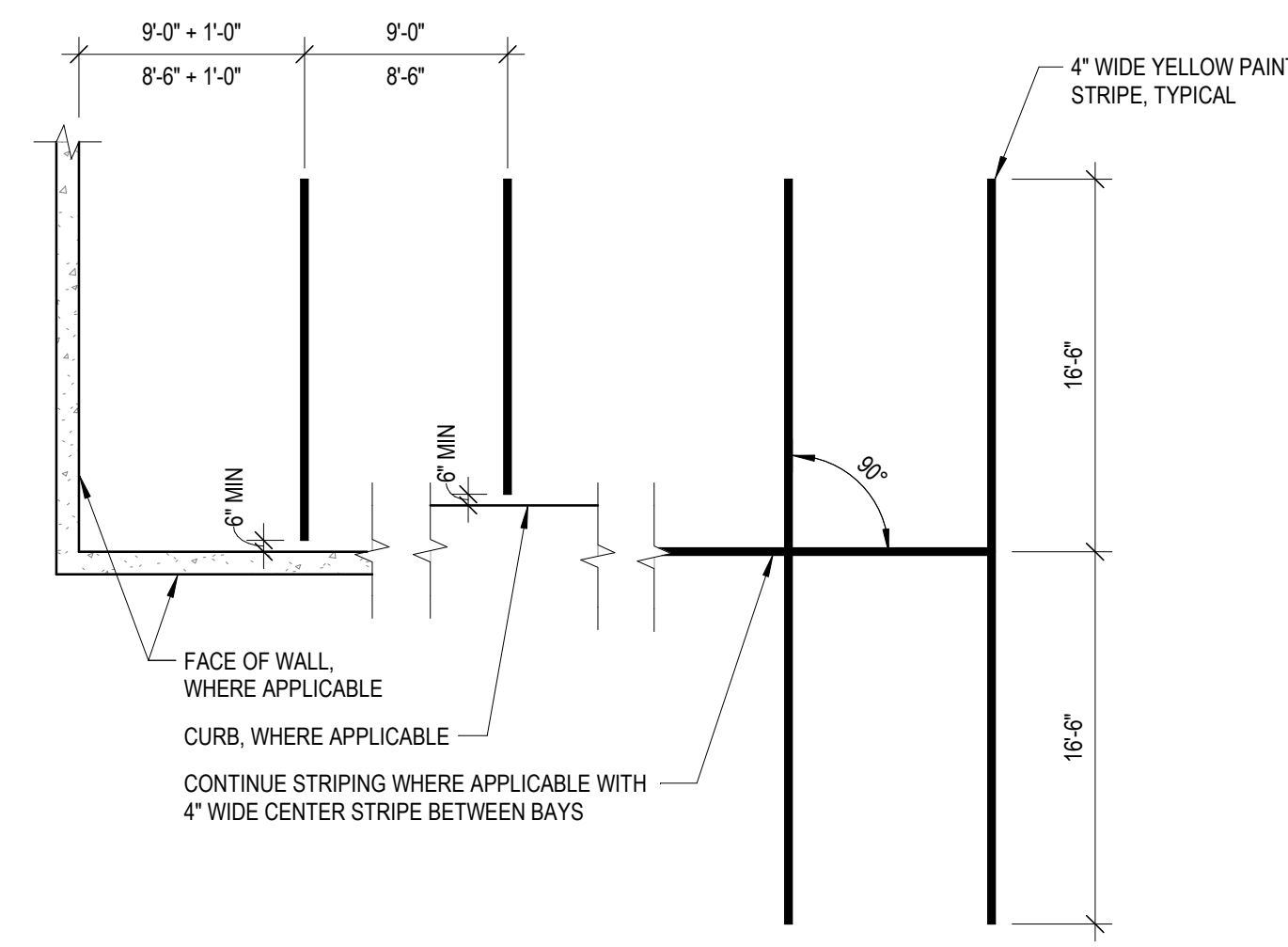
**A1 MESSAGES & SYMBOLS LEGEND**  
NTS



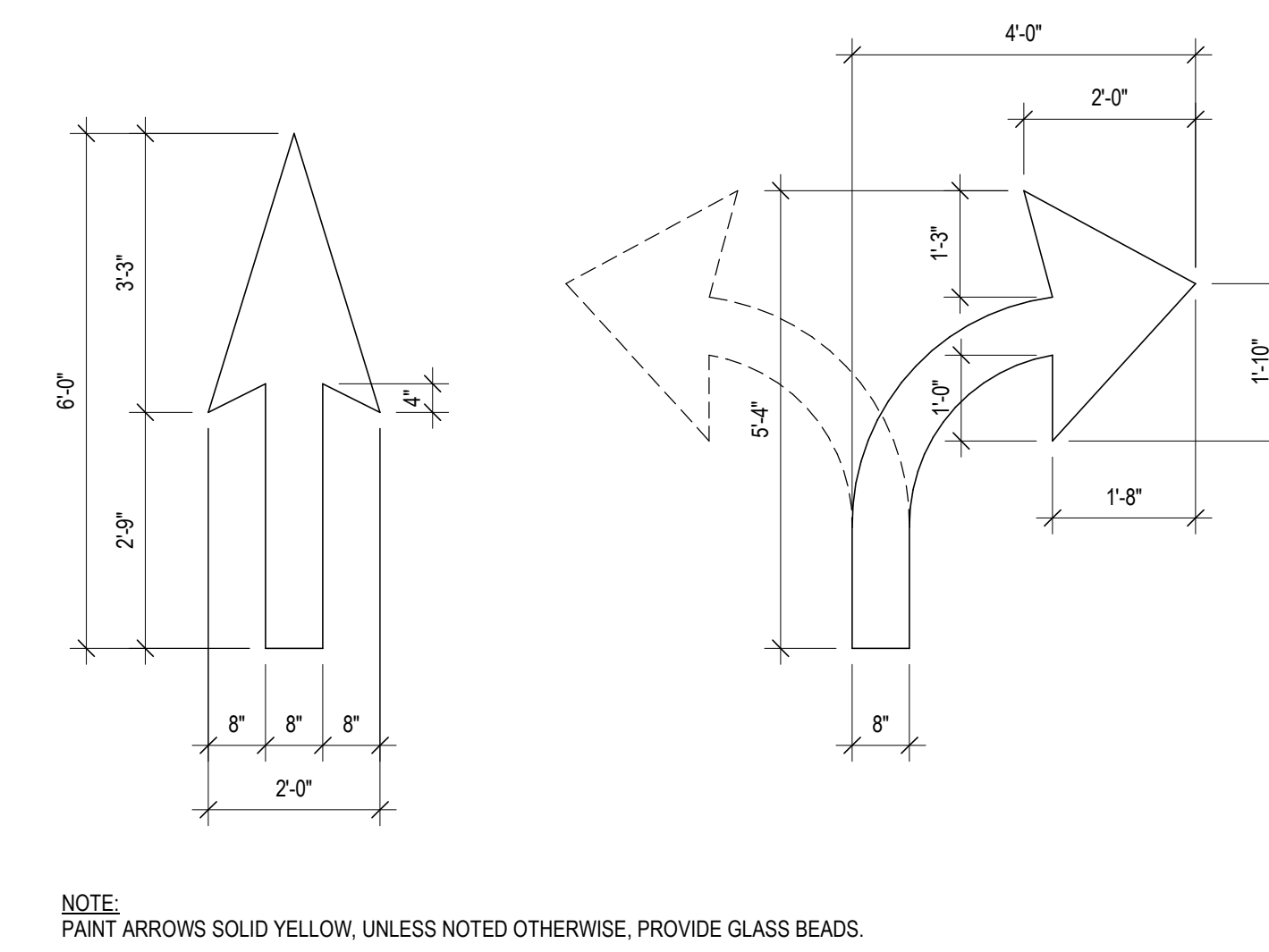
**D1** EXIT SIGN A3  
3" = 1'-0"



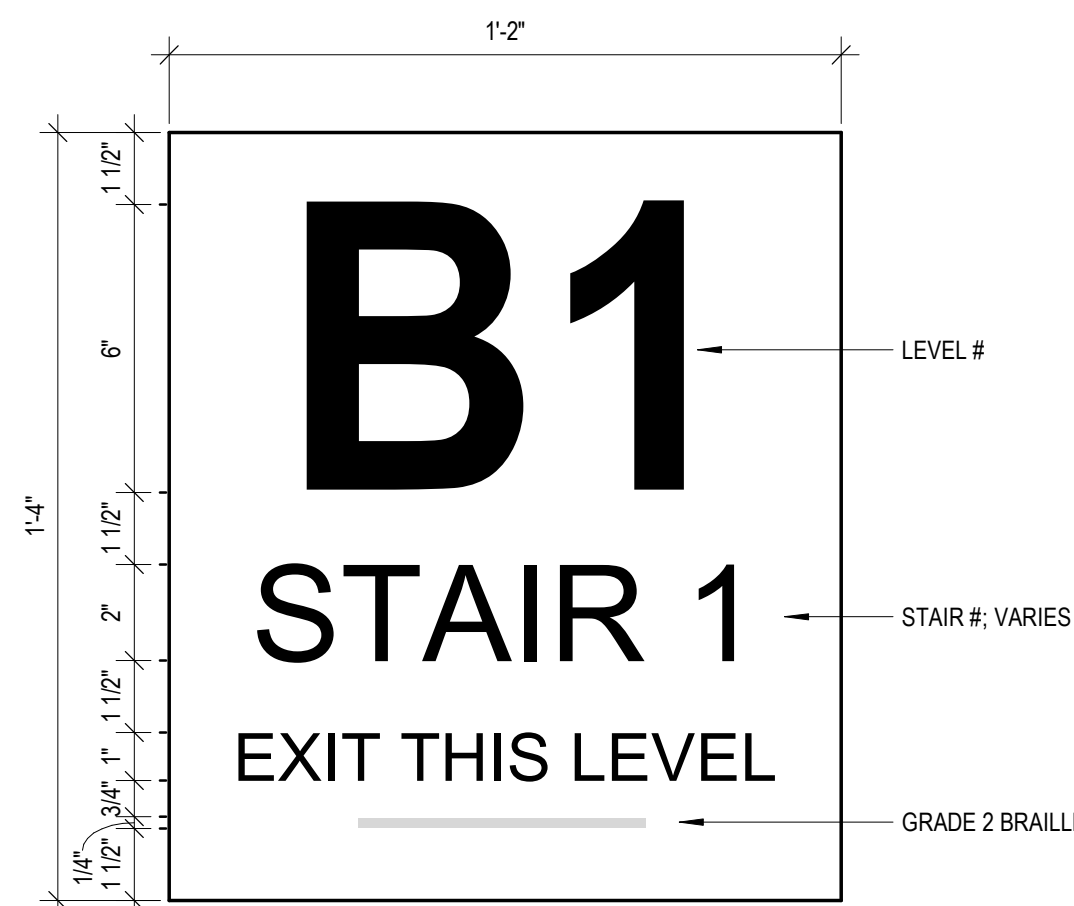
**D2** PEDESTRIAN CROSSING SIGN  
1 1/2" = 1'-0"



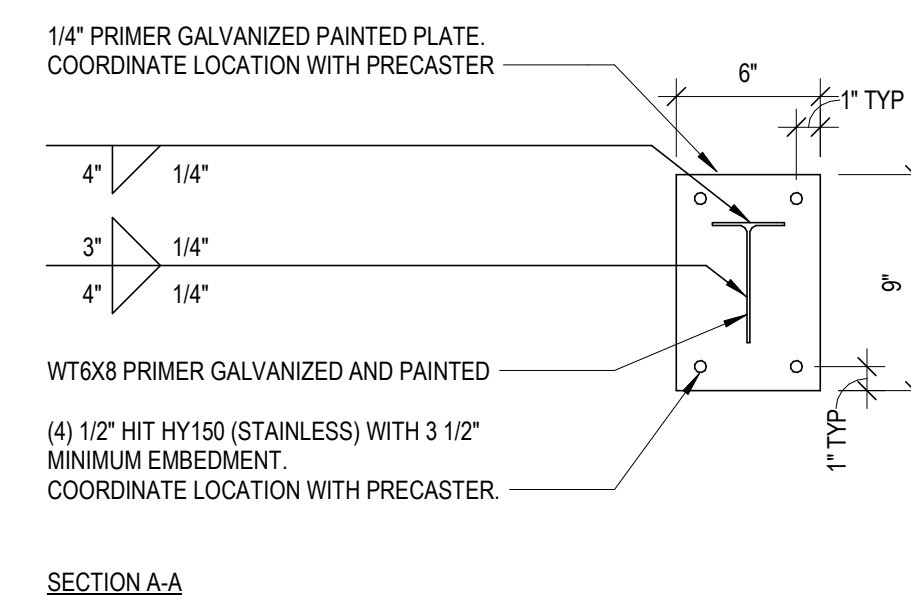
**D4** 90 DEGREE STRIPING DETAIL  
18" = 1'-0"



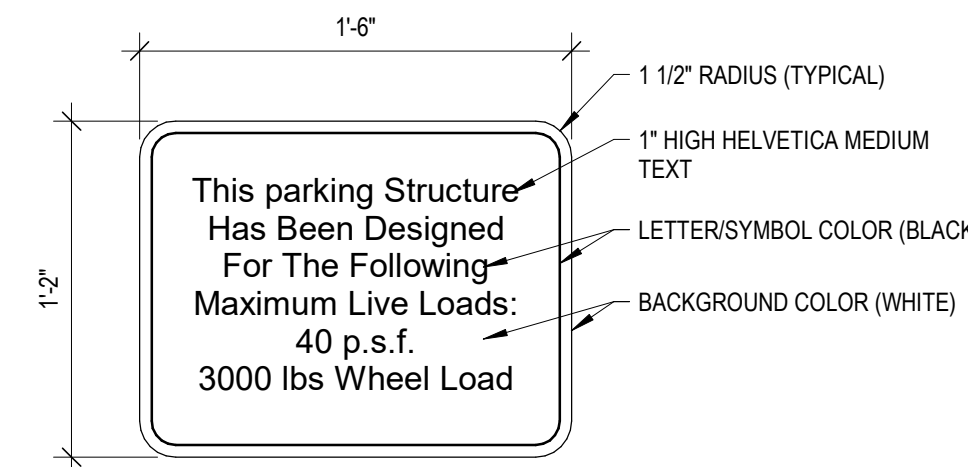
**D5** TYPICAL ARROW DETAIL  
1/2" = 1'-0"



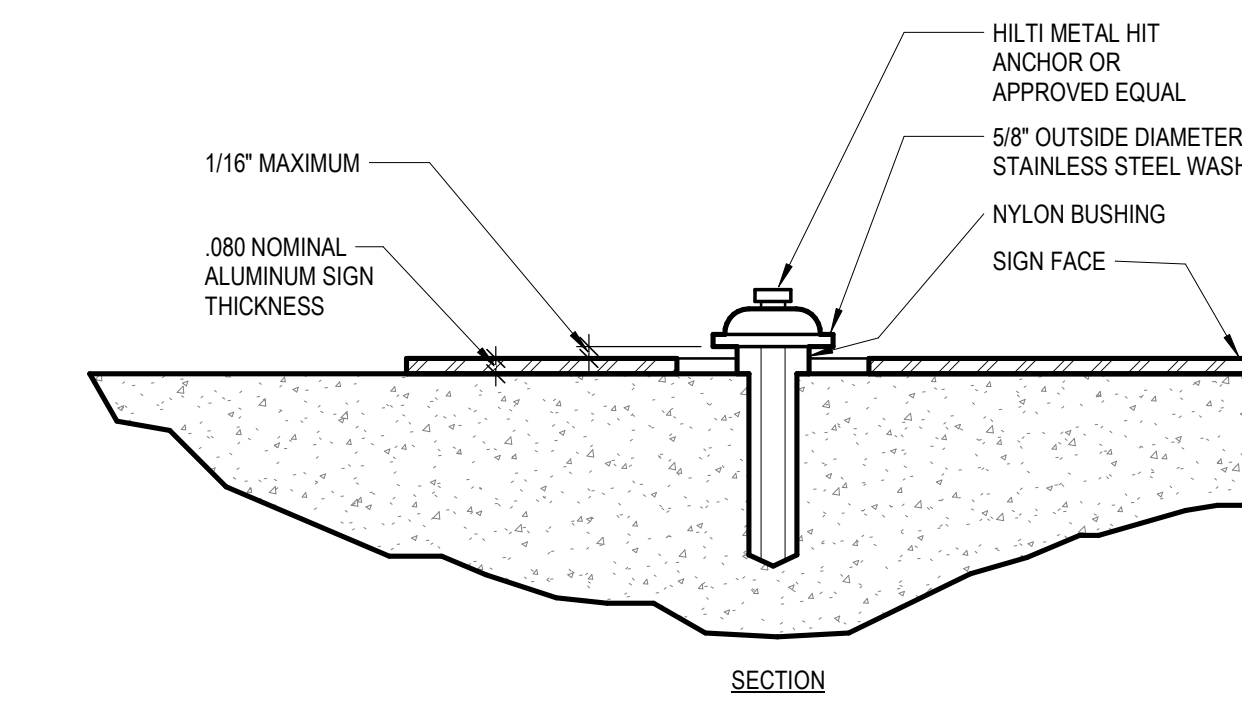
**C1** LEVEL ID SIGN A2  
3" = 1'-0"



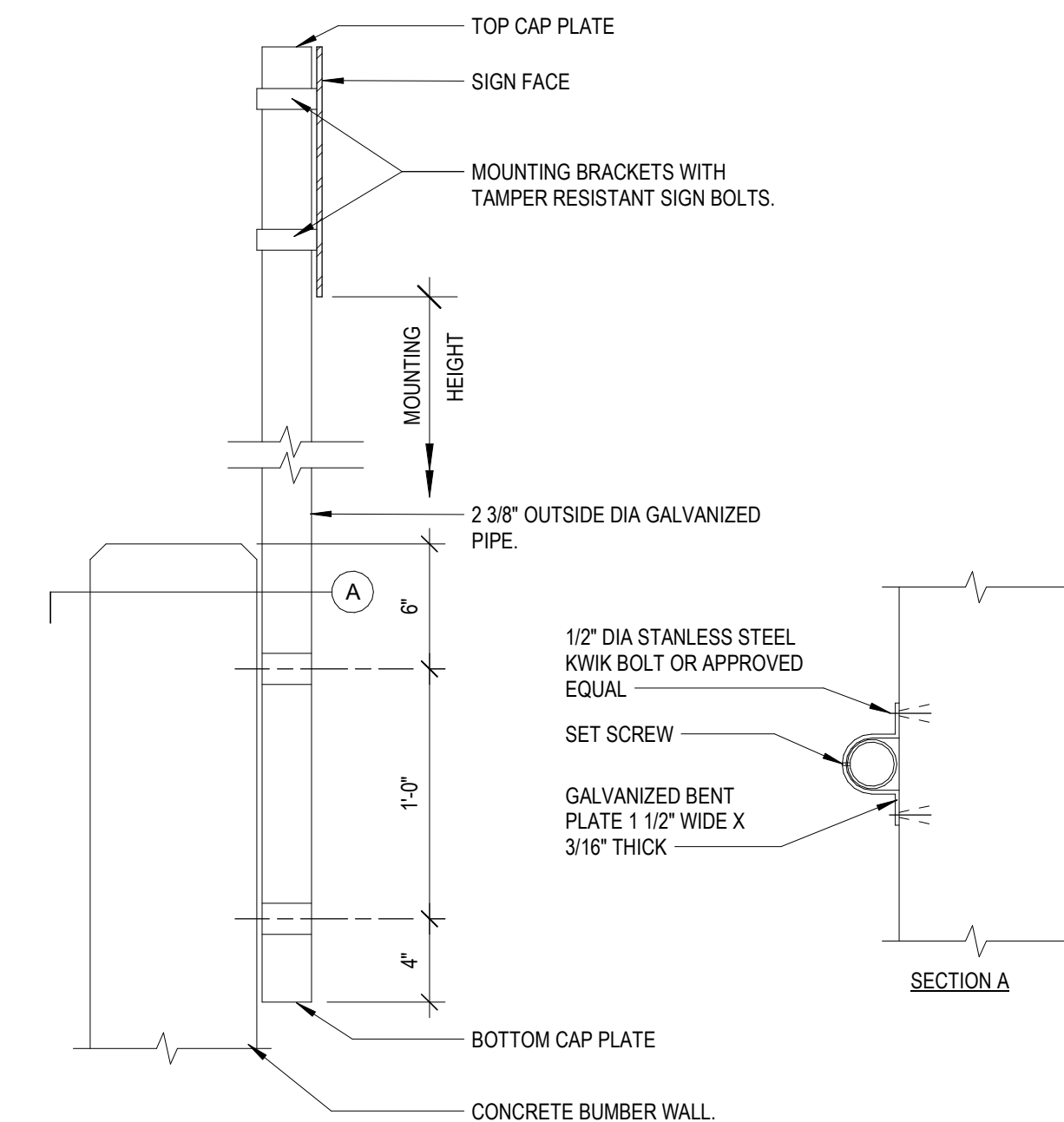
SECTION A-A



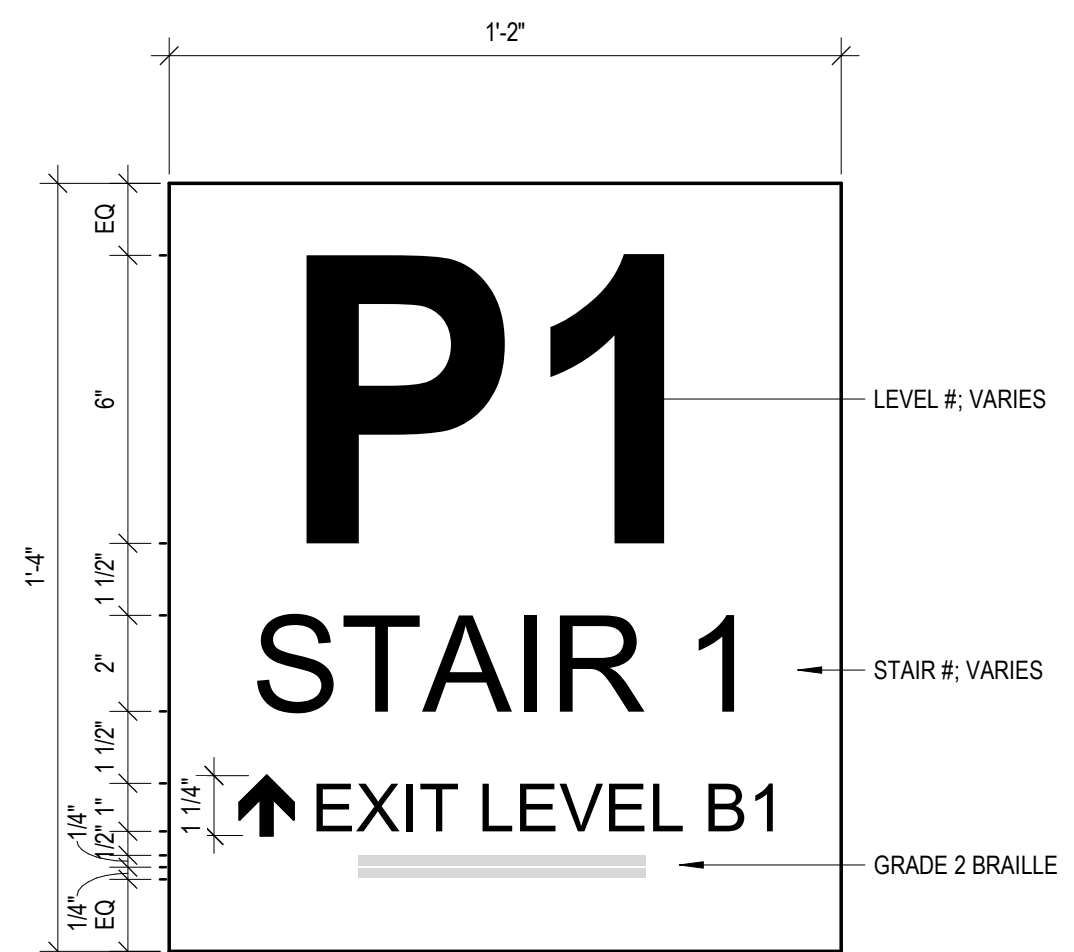
**C4** LIVE LOADS SIGN  
1 1/2" = 1'-0"



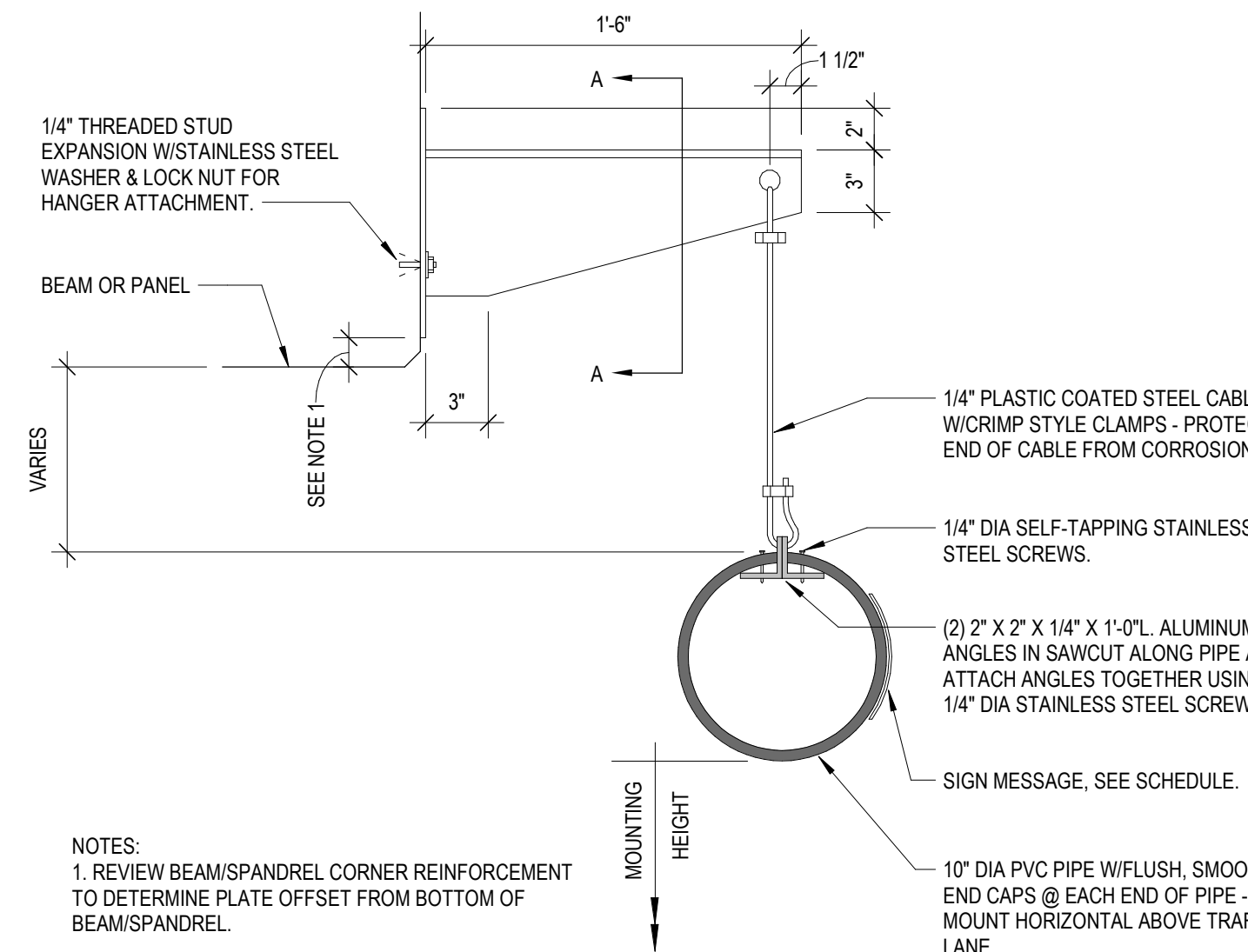
**B4** WALL FLUSH SECTION AND ELEVATION  
12" = 1'-0"



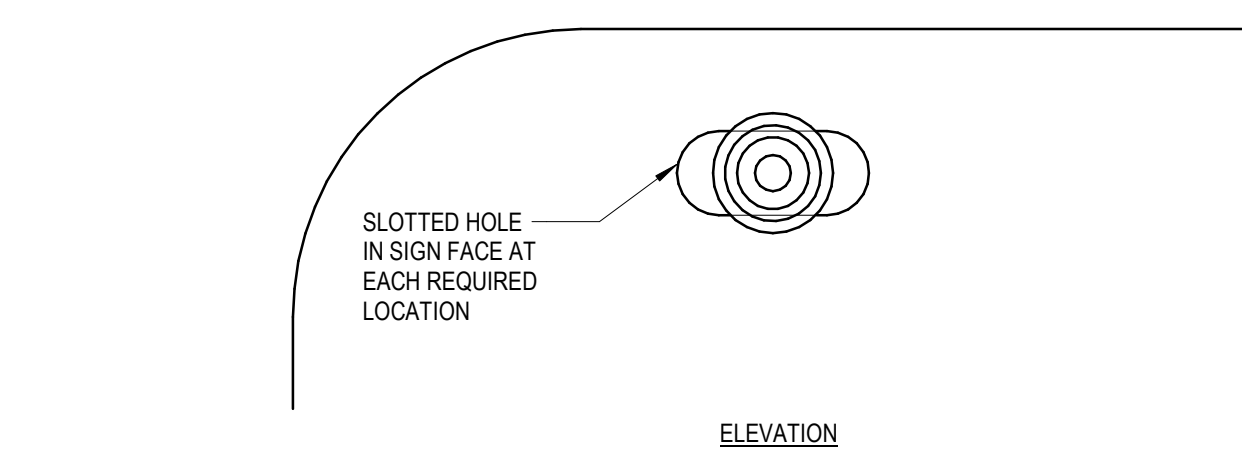
**C5** SIGN POST BUMPER WALL  
1 1/2" = 1'-0"



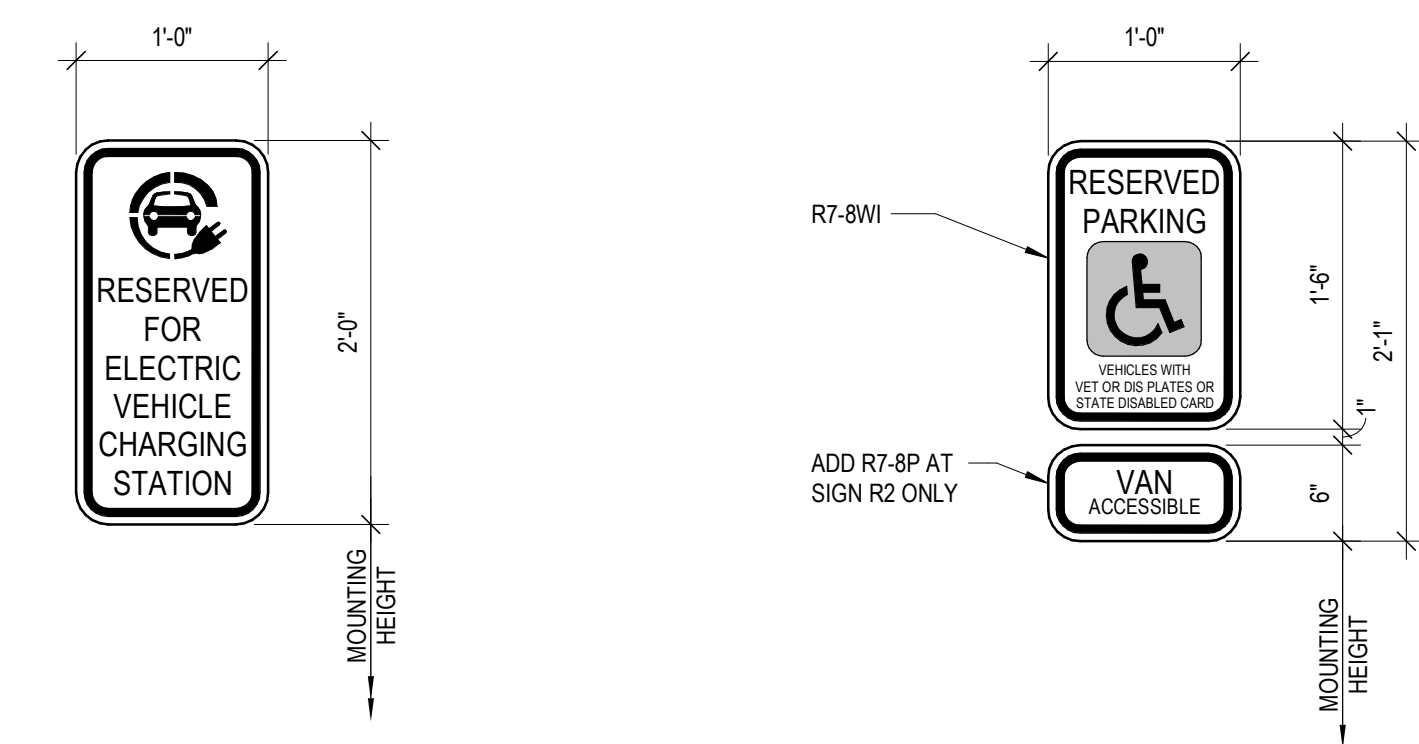
**B1** LEVEL ID SIGN A1  
3" = 1'-0"



**B2** CLEARANCE BAR SECTION  
1 1/2" = 1'-0"

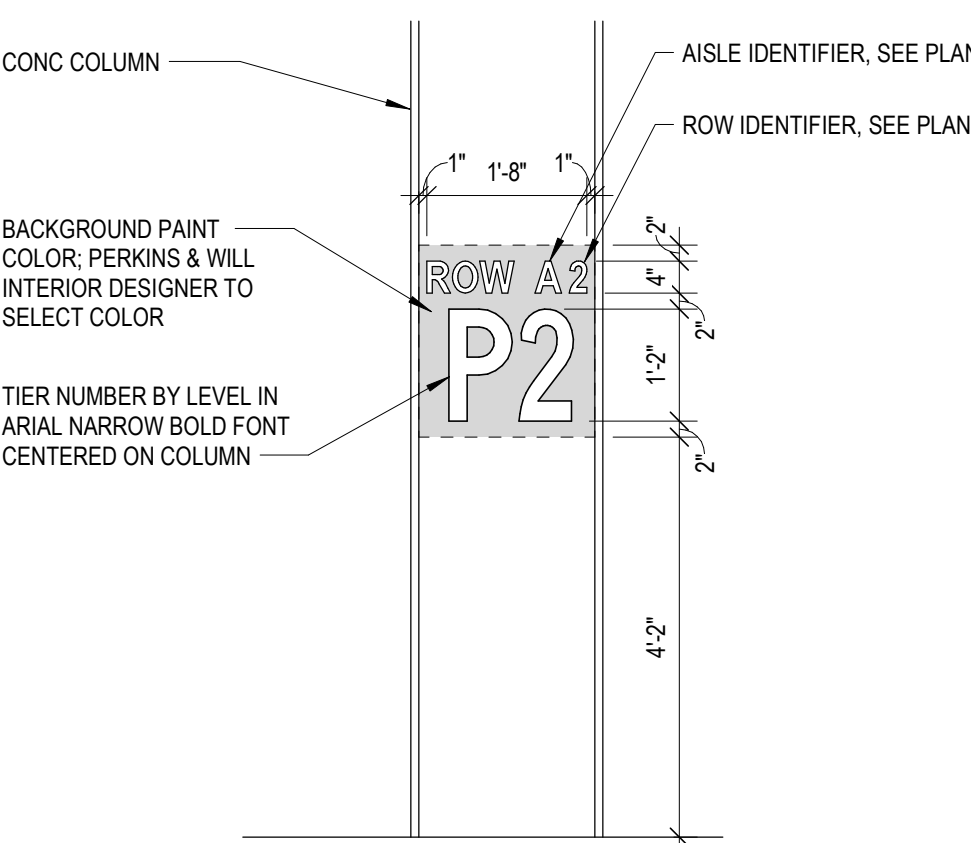


**B4** WALL FLUSH SECTION AND ELEVATION  
12" = 1'-0"

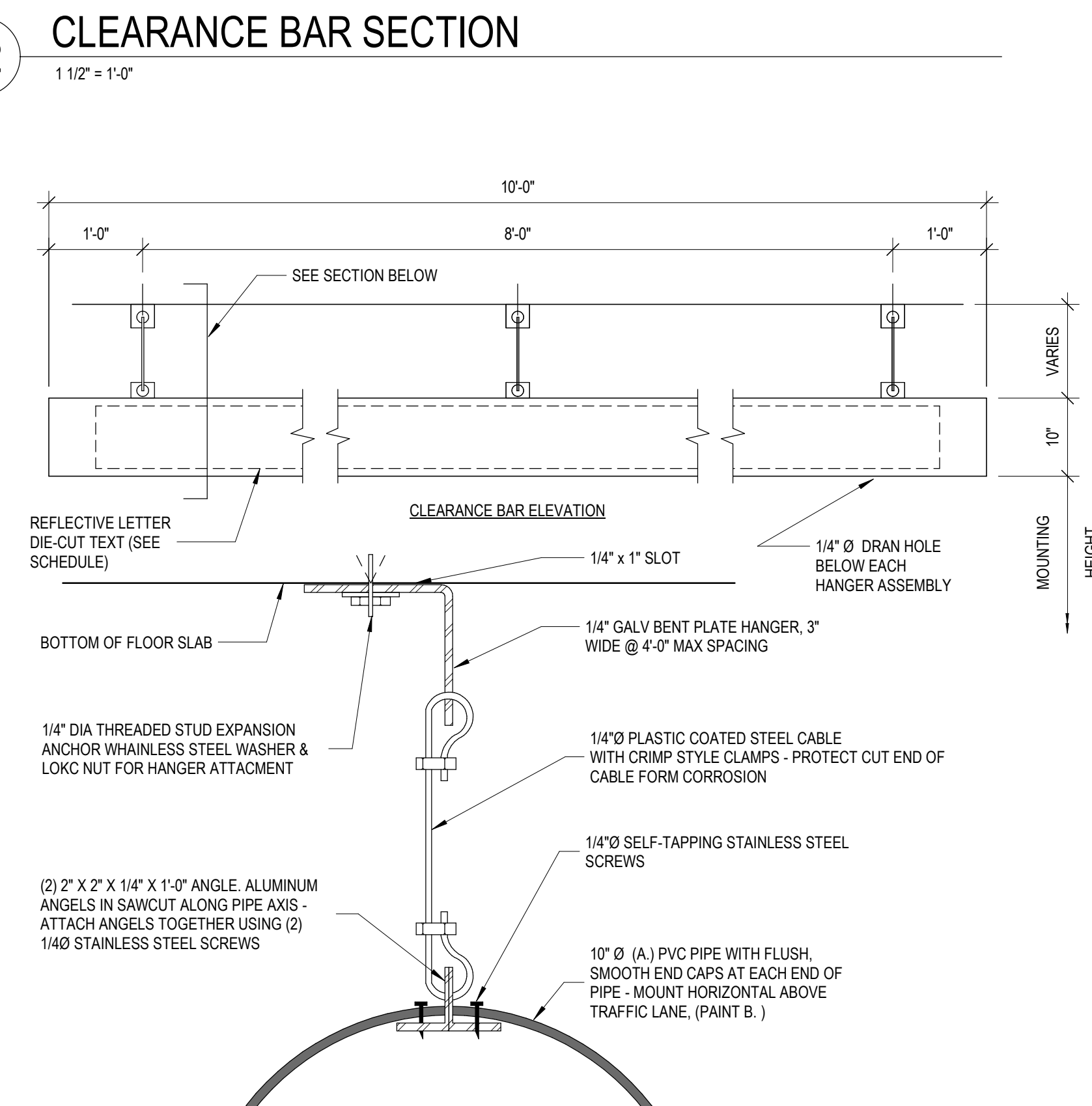


**B5** SIGN DETAIL  
1" = 1'-0"

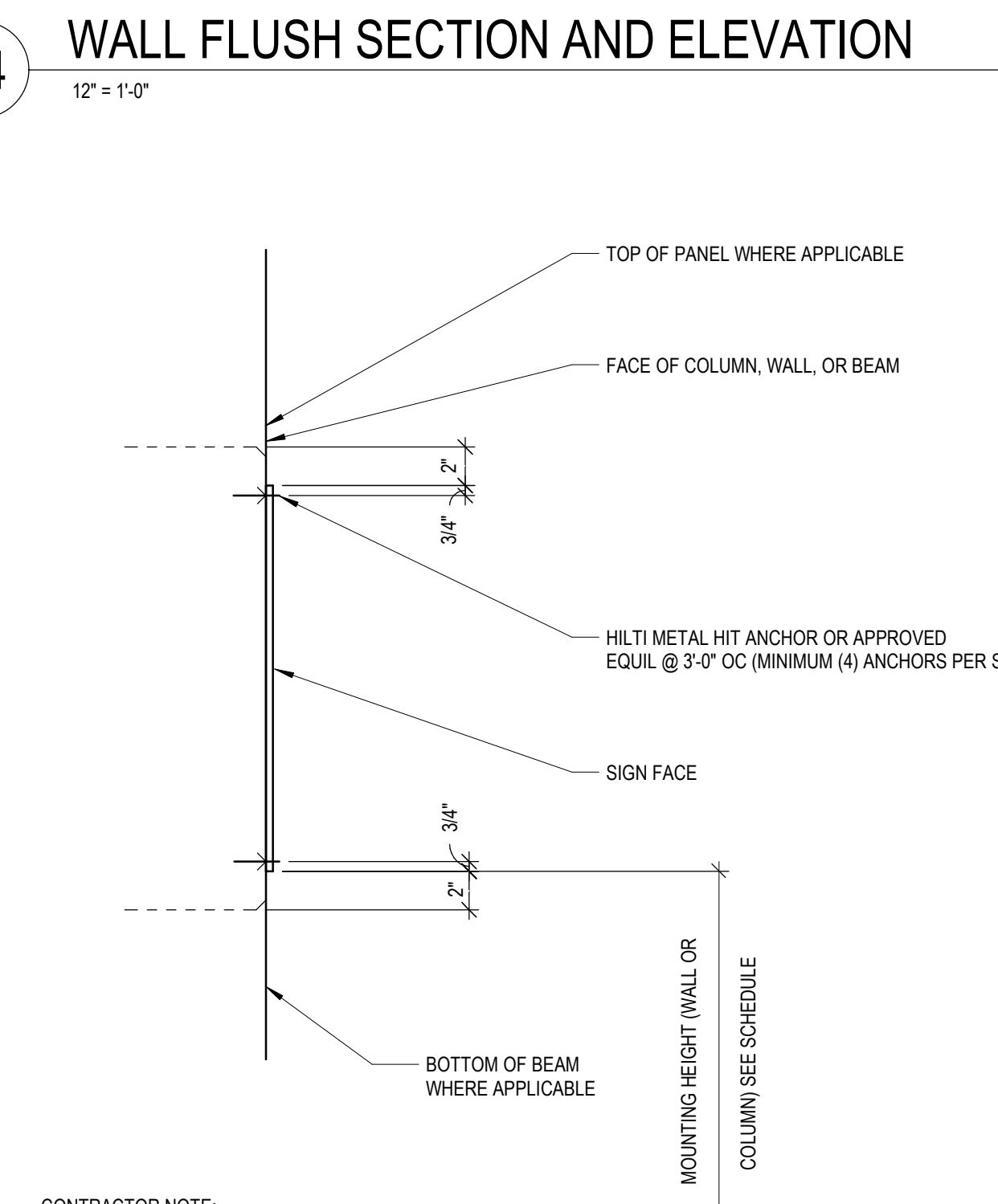
**B6** FEDERAL R7-8  
1" = 1'-0"



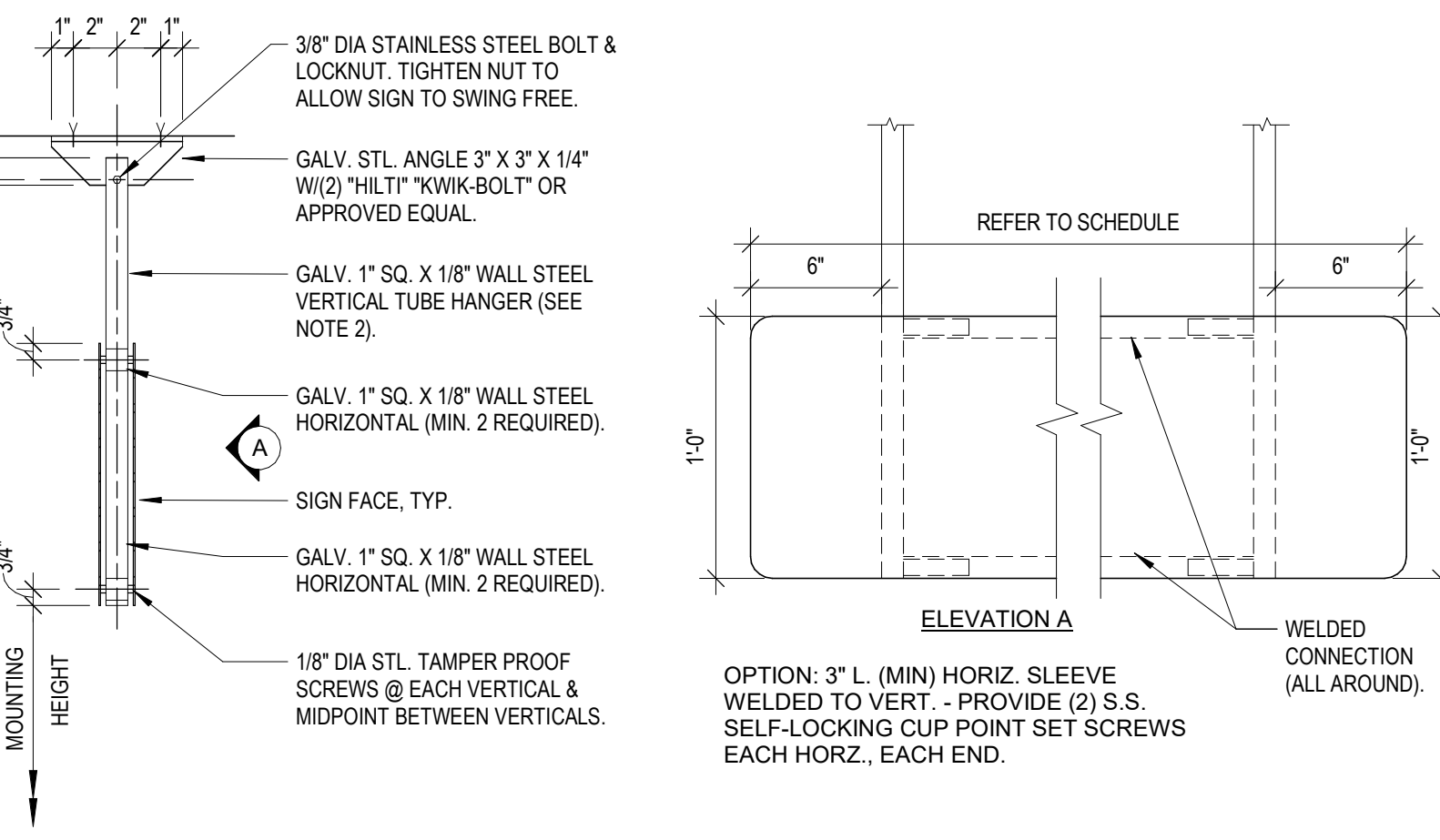
**A1** COLUMN ACCENT AND TIER NUMBER  
1/2" = 1'-0"



**A2** CLEARANCE BAR ELEVATION  
3/4" = 1'-0"



**A4** WALL FLUSH MOUNT DETAIL  
3/4" = 1'-0"



**A5** HANGING SIGN MOUNT DETAIL  
1 1/2" = 1'-0"

NOTE: DOCUMENTS ARE INCOMPLETE AND MAY NOT BE USED FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION PURPOSES.

ISSUED FOR DESIGN DEVELOPMENT 27 MAY 2021

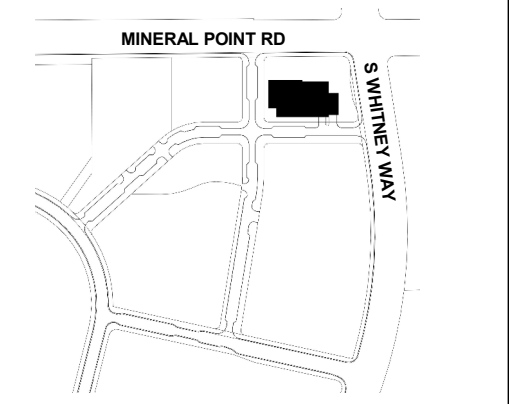


NO.	DESCRIPTION	DATE
2	SITE PLAN APPROVAL	JUN 1 2021
1	DESIGN DEVELOPMENT	MAY 27 2021
Job Number 021130.000		
TITLE		





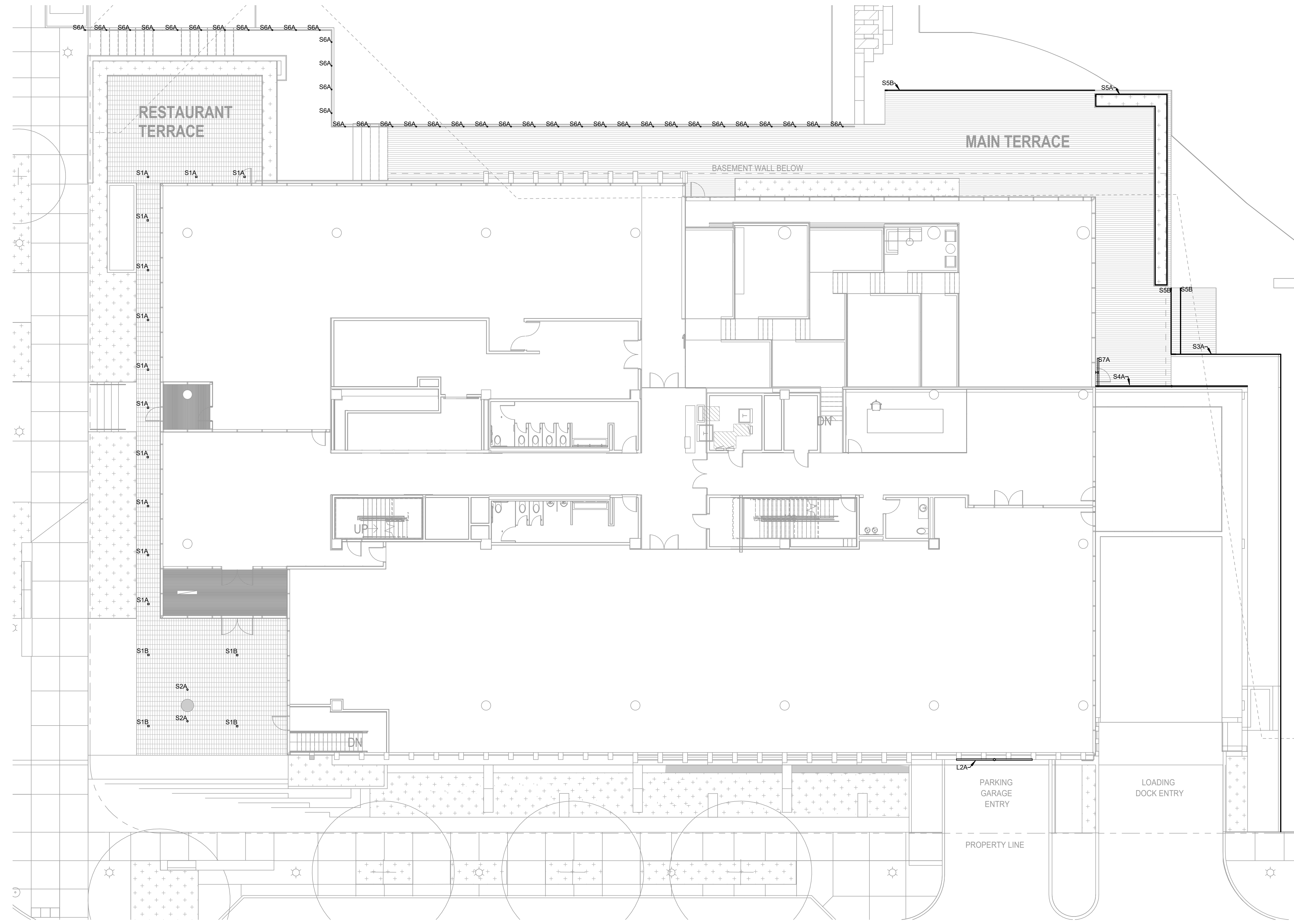
NOTE: DOCUMENTS ARE INCOMPLETE AND MAY NOT BE USED FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION PURPOSES.



NO.	DESCRIPTION	DATE
1	SITE PLAN APPROVAL	JUN 1 2021

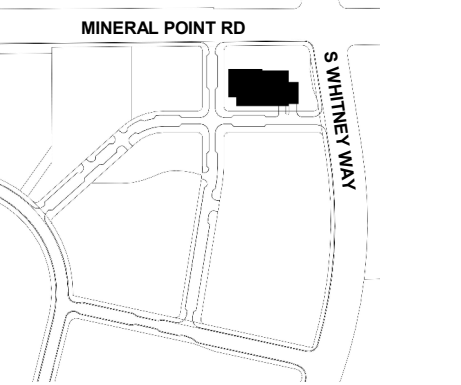
Job Number 021130.000  
TITLE

**General Notes**  
1. LIGHTING LOCATIONS ARE CONCEPTUAL BASED ON THE PROJECT DEVELOPMENT. MINOR MODIFICATIONS MAY OCCUR AS THE DESIGN PROGRESS, AND AS DICTATED BY COORDINATION WITH HARDSCAPE, LANDSCAPE AND FIELD CONDITIONS.  
2. PEDESTRIAN SCALE SIDEWALK AND STREET LIGHTING IS PROVIDED UNDER A SEPARATE CONTRACT, AND SO IS NOT INDICATED ON THIS DRAWING OR INCLUDED IN THE SITE CALCULATIONS.



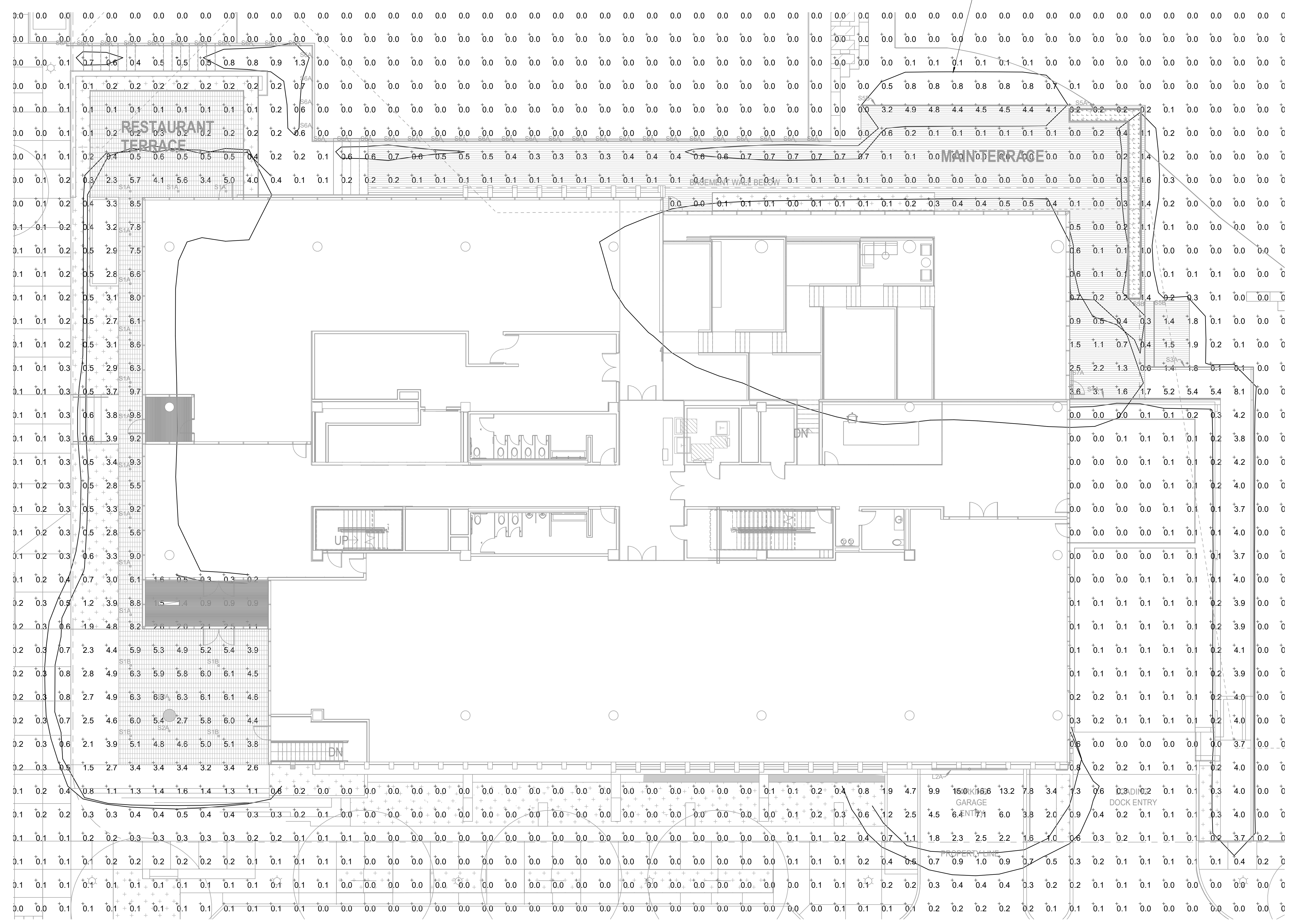
**1 LIGHTING SITE PLAN**  
SCALE: 1" = 10'-0"

NOTE: DOCUMENTS ARE INCOMPLETE AND MAY NOT BE USED FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION PURPOSES.



NO.	DESCRIPTION	DATE
1	SITE PLAN APPROVAL	JUN 1 2021

TYPICAL, LINES INDICATE WHERE HORIZONTAL LIGHT LEVEL DROPS BELOW 0.5 FOOTCANDLES AT 4' 0" ABOVE FINISHED GRADE.



**1 LIGHTING SITE PLAN CALCS**  
SCALE: 1" = 10'-0"

**LIGHTING FIXTURE SCHEDULE**

TYPE	MANUFACTURER	CATALOG NUMBER	LED LUMENS AND CCT	DRIVER POWER SUPPLY	MOUNTING	MOUNTING HEIGHT	VOLTAGE	REMARKS	LLF
L1A	A LIGHT	D4-M-LVH-30-U-N-D-M-O-D-EC	1648 LMFT 3000K 80 CRI	0-10V DIMMING DRIVER	MULLION	22'	277	LED LINEAR MULLION MOUNT LUMINAIRE WITH ASYMMETRIC THROW. LENGTHS AS INDICATED ON DRAWINGS. FINISH TO BE DETERMINED BY ARCHITECT. LUMINAIRE IS LIGHTING INTERIOR WOOD CEILING. FIXTURE IS ONLY BEING INCLUDED TO MODEL SPILL LIGHT FROM WOOD CEILING THROUGH THE WINDOW TO THE DECK SURFACE.	1.00
L2A	LUMENWERX	VIAWETR-TMG-HLO-LED-80-500-30--UNV-D1-1--TRM-W	500 LMFT 3000K 80 CRI	0-10V DIMMING DRIVER	CEILING	12'	277	LED RECESSED LINEAR LUMINAIRE WITH TEMPERED GLASS LENS. LENGTHS AS INDICATED ON PLANS. **FEED LOCATION TO BE DETERMINED BY E.C.	1.00
S1A	USA1	B4SCM-09C3-30KS-40-S-**-UNV-D6E	675 LM 3000K 80 CRI	0-10V DIMMING DRIVER	CEILING	12'	277	4 INCH SQUARE RECESSED LED DOWNLIGHT WITH WET LOCATION RATING. FORTY DEGREE BEAM SPREAD. FINISH TO BE DETERMINED BY ARCHITECT.	1.00
S1B	USA1	B4SCM-33C3-30KS-40-S-**-UNV-D6E	2075 LM 3000K 80 CRI	0-10V DIMMING DRIVER	CEILING	25.5'	277	4 INCH SQUARE RECESSED LED DOWNLIGHT WITH WET LOCATION RATING. FORTY DEGREE BEAM SPREAD. FINISH TO BE DETERMINED BY ARCHITECT.	1.00
S2A	BK LIGHTING	S-LUL-F-DE-LED-TR-X123-SP--12-11-ELV-120	1392 LM 3000K 80 CRI	INTEGRAL DRIVER ELV DIMMING	ON GRADE	0 AFF	120	IN GRADE UPLIGHT WITH HEX LOUVER TO PROVIDE 45 DEGREE CUTOFF. FINISH TO BE DETERMINED BY ARCHITECT. LUMINAIRE IS MOUNTED BELOW ENTRANCE CANOPY, AND POSITIONED TO PREVENT SPILL LIGHT OUTSIDE OF THE CANOPY AREA.	1.00
S3A	LUMINII	K45M--30K-VHO-F-FC--PS010V-3X94-24-***	408 LMFT 3000K 80 CRI	0-10V DIMMING POWER SUPPLY	ARCH CURB	GROUND	277/24	LED LINEAR LIGHT IN EXTRUDED CHANNEL, MOUNTED AT A 45 DEGREE ANGLE. FROSTED LENS. LENGTHS AS INDICATED ON PLANS. FINISH TO BE DETERMINED BY ARCHITECT. **POWER SUPPLY DIMMING PROTOCOL TO BE COORDINATED WITH CONTROLS SUPPLIER TO OPTIMIZE DIMMING CURVE. FIXTURE IS TO BE MOUNTED CONCEALED FROM VIEW IN ARCHITECTURAL CURB.	1.00
S4A	LUMINII	KMWG--30K-VHO-11-A--PS010V-3X96-24-***	355 LMFT 3000K 80 CRI	0-10V DIMMING POWER SUPPLY	ARCH POCKET	GROUND	277/24	LED WALL GRAZER WITH LENGTHS AS INDICATED ON PLANS. FINISH TO BE DETERMINED BY ARCHITECT. **POWER SUPPLY DIMMING PROTOCOL TO BE COORDINATED WITH CONTROLS SUPPLIER TO OPTIMIZE DIMMING CURVE. LUMINAIRE IS TO BE MOUNTED IN ARCHITECTURAL POCKET, CONCEALED FROM DIRECT VIEW AND AIMED AT THE VERTICAL WALL.	1.00
S5A	LEDLINEAR	VENUS-930--TV-IP67/10000339/PWM-90-24	100 LMFT 3000K 90 CRI	0-10V DIMMING POWER SUPPLY	ARCH PLANTER	GROUND	277/24	IP67 LISTED FLEXIBLE LED LINEAR LIGHT, MOUNTED IN PLANTER, BENEATH PLANTER LIP TO PROVIDE SPILL LIGHT ON PLANTS. LIGHT WILL BE CONCEALED FROM VIEW BY PLANTER LIP.	1.00
S5B	LEDLINEAR	VENUS-930--TV-IP67/10000339/PWM-90-24	100 LMFT 3000K 90 CRI	0-10V DIMMING POWER SUPPLY	STAIR TREAD	GROUND	277/24	IP67 LISTED FLEXIBLE LED LINEAR LIGHT, MOUNTED IN BOTTOM OF STAIR TREAD. LIGHT WILL BE CONCEALED FROM VIEW BY STAIR TREAD.	1.00
S6A	I2 SYSTEMS	AT1S-30K--**--E0SPW 75WLL-205	28.5 LUMENS 3000K 80 CRI	0-10V DIMMING POWER SUPPLY	VERTICAL HANDRAIL POST	POST	277/24	MINATURE STEP LIGHT MOUNTED IN VERTICAL POST OF HANDRAIL. EXACT MOUNTING, FACEPLATE SHAPE AND FINISH TO BE DETERMINED AS DESIGN PROGRESSES.	1.00
S7A	A LIGHT	ALD3ST-AFT-LS-30-LKS-M-O-D--WETLOCATIONLISTED	469 LMFT 3000K 80 CRI	0-10V DIMMING DRIVER	MULLION MOUNT	12' AFF	277	SMALL SCALE LINEAR MULLION MOUNT LUMINAIRE WITH ASYMMETRIC DOWNLIGHT DISTRIBUTION. WET LOCATION LISTED. FINISH TO BE DETERMINED BY ARCHITECT.	1.00

**Perkins&Will**

The Wiggly Building  
410 North Michigan Ave.  
Suite 1600  
Chicago, IL 60611  
1312.755.0770  
1312.755.0775  
www.perkinswill.com

**CONSULTANTS**

**SMITHGROUP**  
44 East Mifflin Street, Suite 500  
Madison, WI 53703  
STRUCTURAL

**GRAEF**  
1010 East Washington Avenue, Suite 202  
Madison, WI 53703  
MEP

**J. H. FINDORFF & SON INC.**  
300 South Bedford Street  
Madison, WI 53719

**OWNER'S TEAM**

**OWNER**  
UNIVERSITY RESEARCH PARK  
510 Charmany Drive, Suite 250  
Madison, WI 53719

**OWNER'S REPRESENTATIVE**  
SMOCKE & ASSOCIATES, INC.  
925 E. Wells St., #1115, P.O. Box 511267  
Milwaukee, WI 53202

**CONSTRUCTION MANAGER**  
J. H. FINDORFF & SON INC.  
300 South Bedford Street  
Madison, WI 53703

NOTE: DOCUMENTS ARE INCOMPLETE AND MAY NOT BE USED FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION PURPOSES.

**PROJECT**

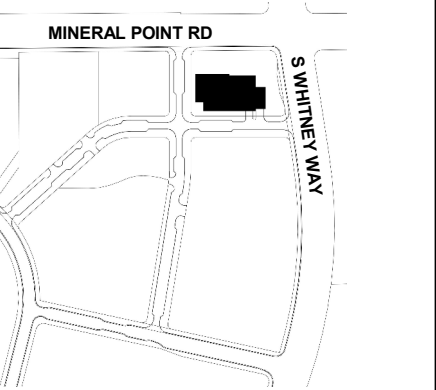
**UNIVERSITY RESEARCH PARK - ELEMENT LABS**



**UNIVERSITY RESEARCH PARK**

510 CHARMANY DR. STE. 250  
MADISON, WI 53719

**KEYPLAN**



**ISSUE CHART**

NO.	DESCRIPTION	DATE
1	SITE PLAN APPROVAL	JUN 1 2021

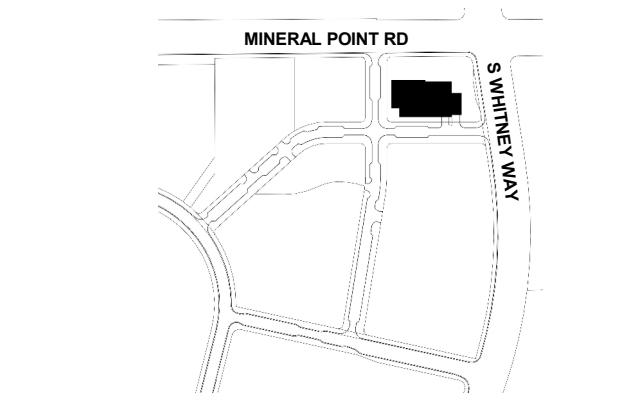
Job Number 021130 000  
TITLE

**LIGHTING FIXTURE SCHEDULE**

SHEET NUMBER

**EL-03**

ISSUED FOR SITE PLAN APPROVAL 1 JUNE 2021



NO.	DESCRIPTION	DATE
1	SITE PLAN APPROVAL	JUN 1 2021
Job Number	021130.000	
TITLE		

TYPE L2A



Photometric Report (Type C)

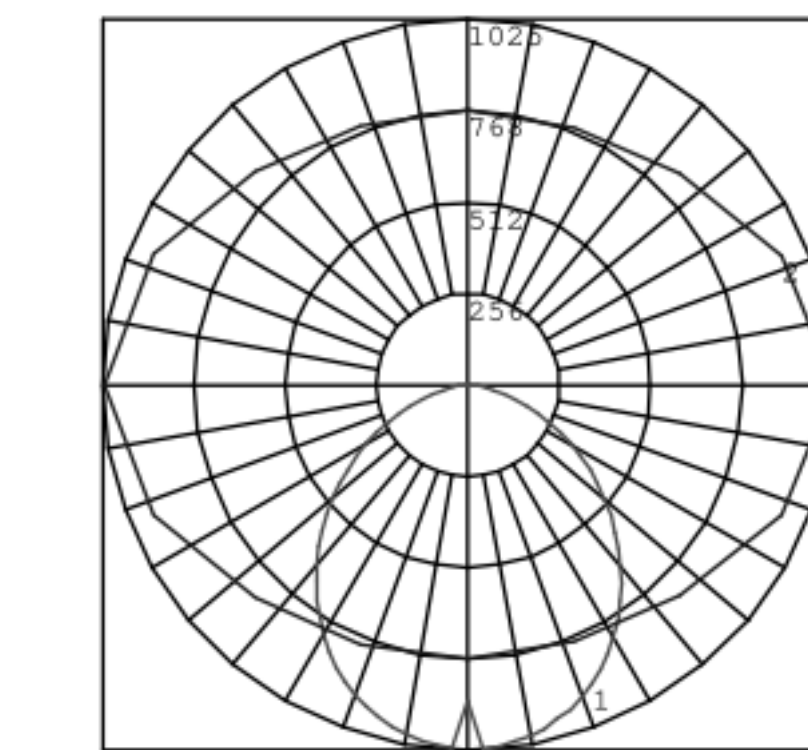
Filename: viawet-tmghlo-led-80-500-30-4ft.ies  
[TEST] Recal from S1506174-R1  
[TESTLAB] Spectra Lux Industries Inc.  
[ISSUE DATE] 17 June 2015  
[MANUFACT] LumenWerk  
[LUMINAIRE] VIAMET-TMG+HLO-LED-80-500-30-4FT  
[LUMINAIRE] Via Wet  
[LAMP] LED'S White c/w Driver 8 120.00V  
Maximum Candela = 1024.5059877634 at 0 H 2.5 V

Classification:

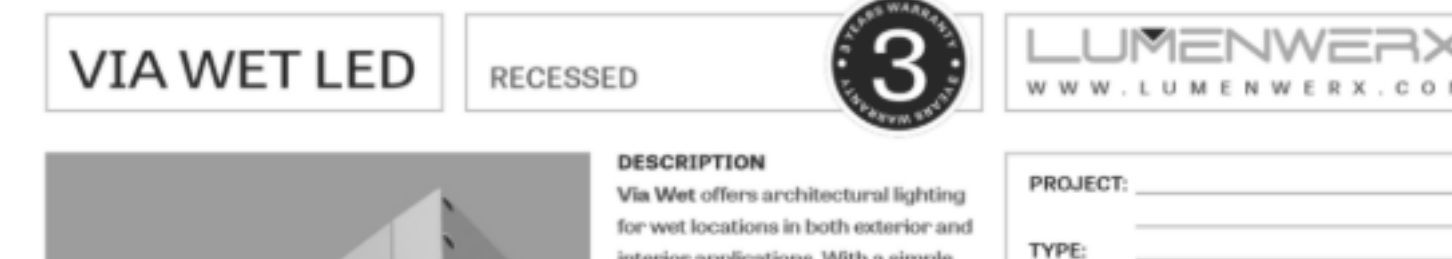
Road Classification: Type II, Very Short, N.A. (deprecated)  
Upward Light Ratio: 0.00  
Luminaire Efficacy Rating (LER): 86  
Maximum UGR: 24.8  
Indoor Classification: Direct  
BUG Rating: B1-UG-0

Polar Candela Curves:

Vertical Plane Through:  
1) 0 - 180 Horizontal  
Horizontal Cone Through:  
2) 2.5 Vertical



TYPE L2A



Photometric Report (Type C)

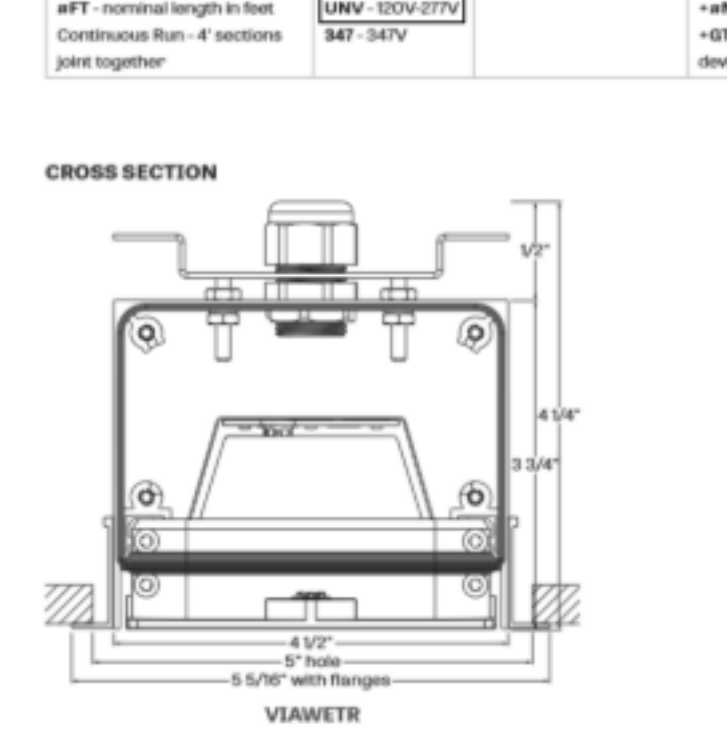
Filename: D44LH40UND asymmetric.ies  
[TEST] 1  
[TESTLAB] Photopia 2015.0.1 see: www.itctools.com/ies  
[LUMINAIRE] D44LH40UND  
[LAMP] NFSL757DT-V1  
[LAMP] LED 0.1885W Nichia Warm White LED (65mA)  
Maximum Candela = 1932 at 0 H 135 V

Classification:

Road Classification: N.A., N.A., N.A. (deprecated)  
Upward Light Ratio: 1.00  
Luminaire Efficacy Rating (LER): 81  
Maximum UGR: N.A.  
Indoor Classification: Indirect  
BUG Rating: B0-UG-0

Polar Candela Curves:

Vertical Plane Through:  
1) 0 - 180 Horizontal  
Horizontal Cone Through:  
2) 135 Vertical



TYPE L1A



Photometric Report (Type C)

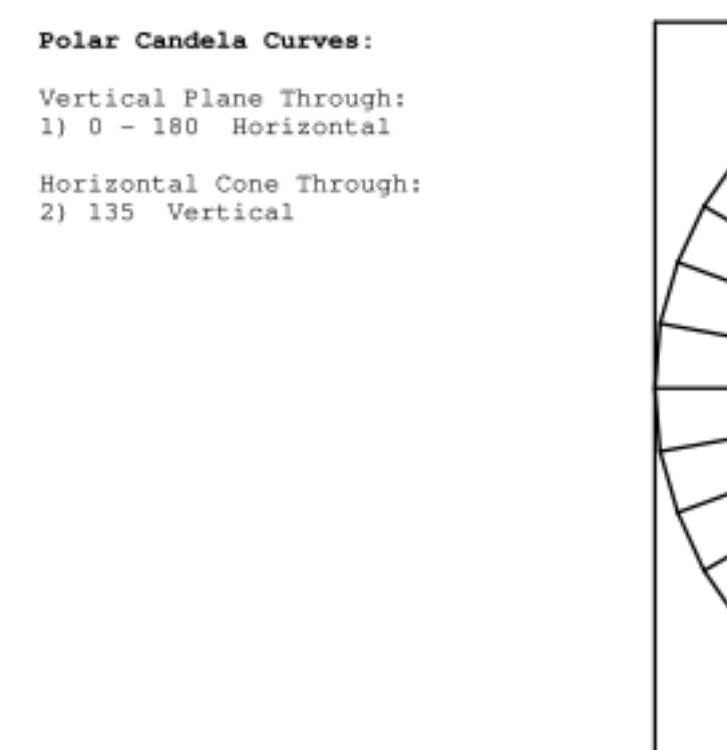
Filename: D44LH40UND asymmetric.ies  
[TEST] 1  
[TESTLAB] Photopia 2015.0.1 see: www.itctools.com/ies  
[LUMINAIRE] D44LH40UND  
[LAMP] NFSL757DT-V1  
[LAMP] LED 0.1885W Nichia Warm White LED (65mA)  
Maximum Candela = 1932 at 0 H 135 V

Classification:

Road Classification: N.A., N.A., N.A. (deprecated)  
Upward Light Ratio: 1.00  
Luminaire Efficacy Rating (LER): 81  
Maximum UGR: N.A.  
Indoor Classification: Indirect  
BUG Rating: B0-UG-0

Polar Candela Curves:

Vertical Plane Through:  
1) 0 - 180 Horizontal  
Horizontal Cone Through:  
2) 135 Vertical



TYPE L1A



Photometric Report (Type C)

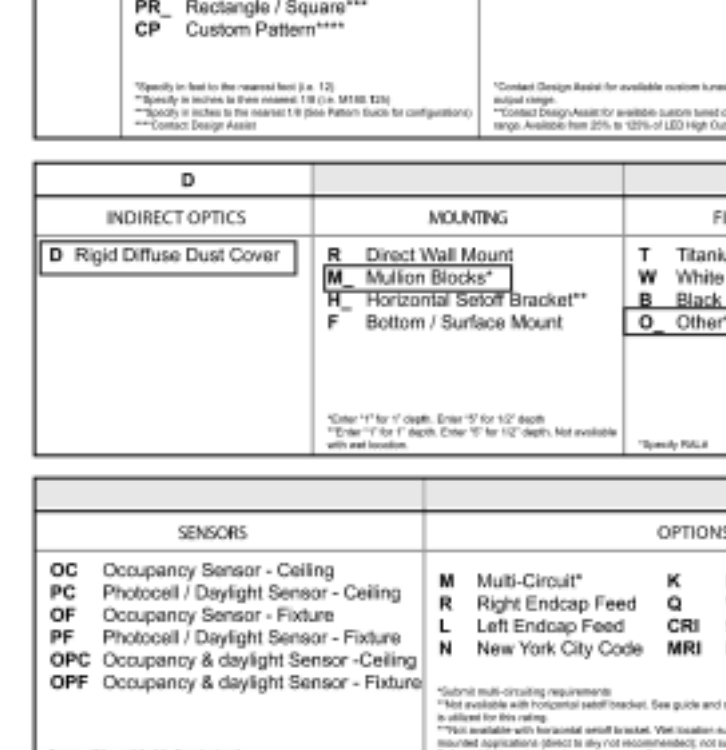
Filename: D44LH40UND asymmetric.ies  
[TEST] 1  
[TESTLAB] Photopia 2015.0.1 see: www.itctools.com/ies  
[LUMINAIRE] D44LH40UND  
[LAMP] NFSL757DT-V1  
[LAMP] LED 0.1885W Nichia Warm White LED (65mA)  
Maximum Candela = 1932 at 0 H 135 V

Classification:

Road Classification: N.A., N.A., N.A. (deprecated)  
Upward Light Ratio: 1.00  
Luminaire Efficacy Rating (LER): 81  
Maximum UGR: N.A.  
Indoor Classification: Indirect  
BUG Rating: B0-UG-0

Polar Candela Curves:

Vertical Plane Through:  
1) 0 - 180 Horizontal  
Horizontal Cone Through:  
2) 135 Vertical



TYPE S1B



Photometric Report (Type C)

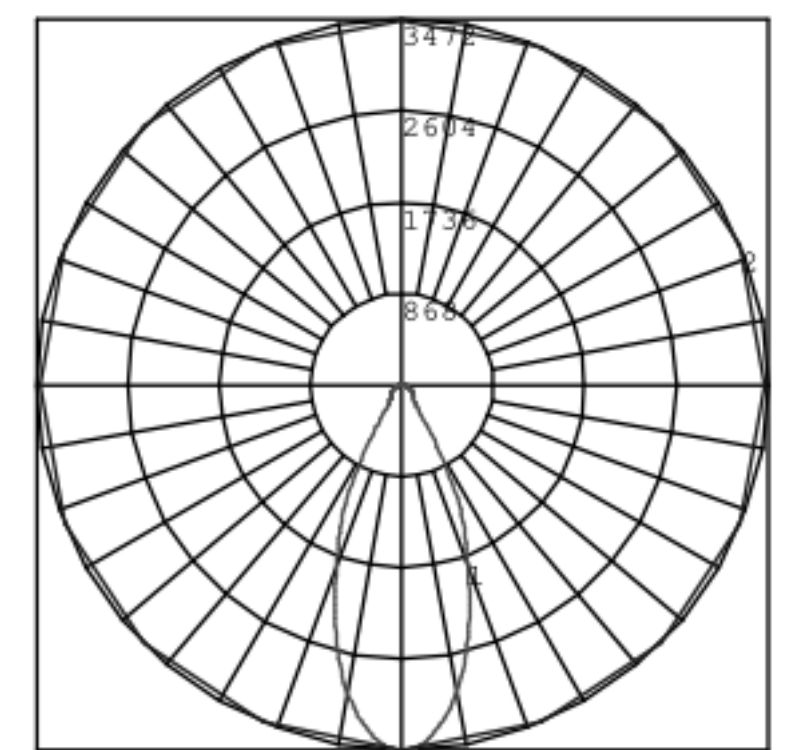
Filename: B48C-16C3-30KS-40-8-WH-MOD.ies  
[TEST] 1164840  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 9/28/2015 MOD to new nomenclature  
[MANUFACT] USA Illumination, Inc  
[LUMINAIRE] B48C-16C3-30KS-40-8-WH MOD to 33W  
[LUMINAIRE] Formed steel housing, aluminum heatsink, white aluminum tr im, patterned glass lens, no enclosure  
[LAMP] Seven white LEDs  
[BALLAST] One Thomas Research Products LED25W-36-C0700-P  
Maximum Candela = 3471.70984134674 at 67.5 H .5 V

Classification:

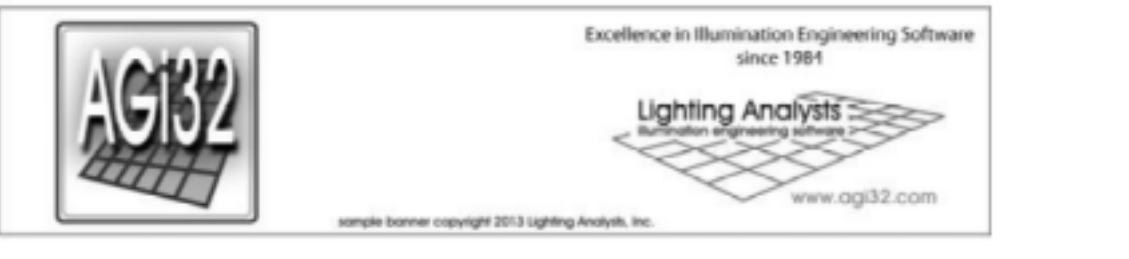
Road Classification: Type VS, Very Short, N.A. (deprecated)  
Upward Light Ratio: 0.00  
Luminaire Efficacy Rating (LER): 63  
Maximum UGR: 19.1  
Indoor Classification: Direct  
BUG Rating: B1-UG-0

Polar Candela Curves:

Vertical Plane Through:  
1) 67.5 - 247.5 Horizontal  
Horizontal Cone Through:  
2) 0.5 Vertical



TYPE S1A



Photometric Report (Type C)

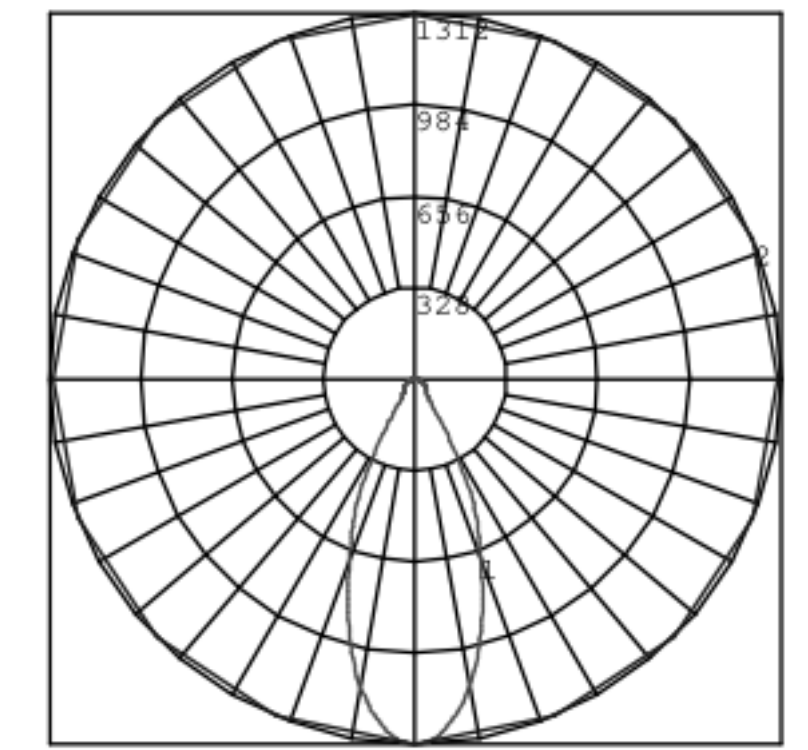
Filename: B48C-09C3-30KS-40-8-WH-MOD.ies  
[TEST] 1164840  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 9/28/2015 MOD to new nomenclature  
[MANUFACT] USA Illumination, Inc  
[LUMINAIRE] B48C-09C3-30KS-40-8-WH MOD to 9W  
[LUMINAIRE] Formed steel housing, aluminum heatsink, white aluminum tr im, patterned glass lens, no enclosure  
[LAMP] Seven white LEDs  
[BALLAST] One Thomas Research Products LED25W-36-C0700-P  
Maximum Candela = 1312.22378211021 at 67.5 H .5 V

Classification:

Road Classification: Type VS, Very Short, N.A. (deprecated)  
Upward Light Ratio: 0.00  
Luminaire Efficacy Rating (LER): 88  
Maximum UGR: 19.1  
Indoor Classification: Direct  
BUG Rating: B1-UG-0

Polar Candela Curves:

Vertical Plane Through:  
1) 67.5 - 247.5 Horizontal  
Horizontal Cone Through:  
2) 0.5 Vertical



TYPE S1A and S1B



Photometric Report (Type C)

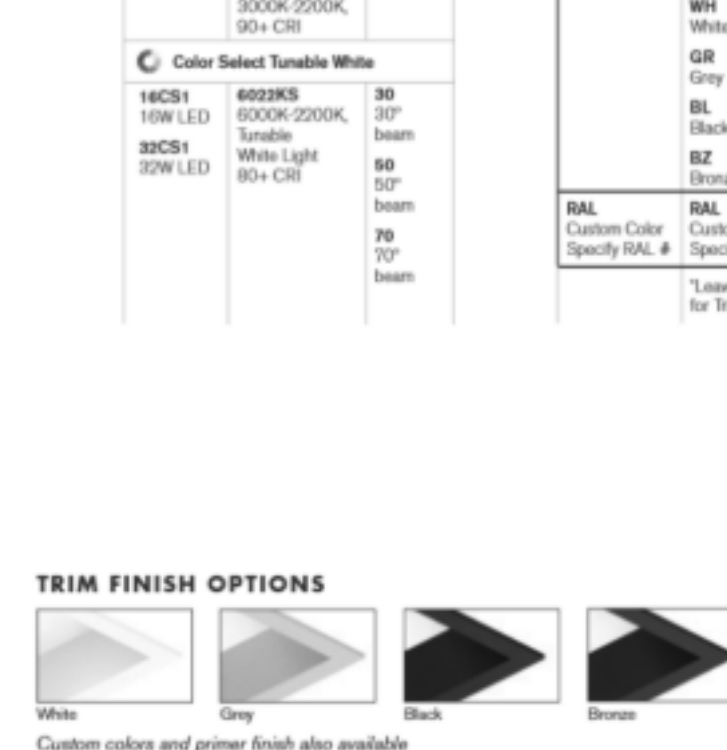
Filename: B48C-09C3-30KS-40-8-WH-MOD.ies  
[TEST] 1164840  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 9/28/2015 MOD to new nomenclature  
[MANUFACT] USA Illumination, Inc  
[LUMINAIRE] B48C-09C3-30KS-40-8-WH MOD to 9W  
[LUMINAIRE] Formed steel housing, aluminum heatsink, white aluminum tr im, patterned glass lens, no enclosure  
[LAMP] Seven white LEDs  
[BALLAST] One Thomas Research Products LED25W-36-C0700-P  
Maximum Candela = 1312.22378211021 at 67.5 H .5 V

Classification:

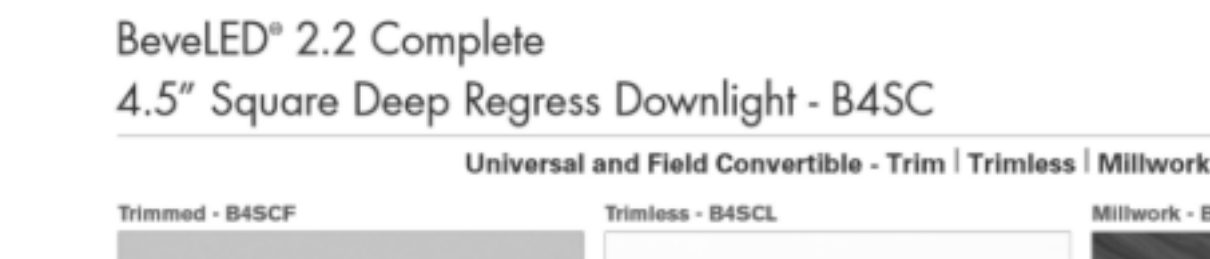
Road Classification: Type VS, Very Short, N.A. (deprecated)  
Upward Light Ratio: 0.00  
Luminaire Efficacy Rating (LER): 88  
Maximum UGR: 19.1  
Indoor Classification: Direct  
BUG Rating: B1-UG-0

Polar Candela Curves:

Vertical Plane Through:  
1) 67.5 - 247.5 Horizontal  
Horizontal Cone Through:  
2) 0.5 Vertical



TYPE S1A and S1B



Photometric Report (Type C)

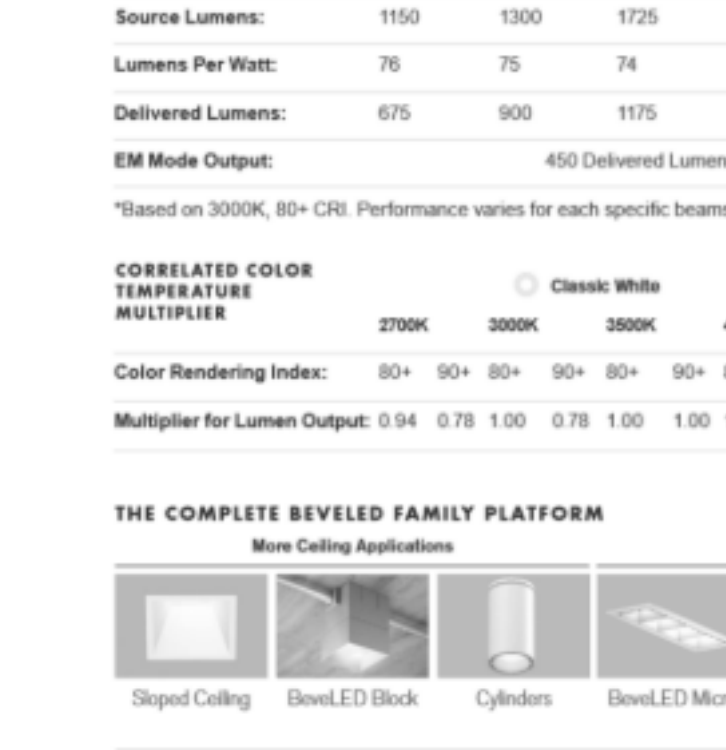
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[TEST] 1164840  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 9/28/2015 MOD to new nomenclature  
[MANUFACT] USA Illumination, Inc  
[LUMINAIRE] B48C-09C3-30KS-40-8-WH MOD to 9W  
[LUMINAIRE] Formed steel housing, aluminum heatsink, white aluminum tr im, patterned glass lens, no enclosure  
[LAMP] Seven white LEDs  
[BALLAST] One Thomas Research Products LED25W-36-C0700-P  
Maximum Candela = 1312.22378211021 at 67.5 H .5 V

Classification:

Road Classification: Type VS, Very Short, N.A. (deprecated)  
Upward Light Ratio: 0.00  
Luminaire Efficacy Rating (LER): 88  
Maximum UGR: 19.1  
Indoor Classification: Direct  
BUG Rating: B1-UG-0

Polar Candela Curves:

Vertical Plane Through:  
1) 67.5 - 247.5 Horizontal  
Horizontal Cone Through:  
2) 0.5 Vertical




FIXTURE TYPE L1A IS TO BE MULLION MOUNTED ON THE INTERIOR OF THE BUILDING, WITH ASYMMETRIC THROW OF LIGHT FACING INTO THE BUILDING SPACE. FIXTURE IS INCLUDED IN THE CALCULATIONS TO ACCOUNT FOR SPILL LIGHT FROM THE BUILDING TO THE DECK SURFACE.

### TYPE S2A

DENALI - UPLIGHT FLUSH MOUNT LED (INTEGRAL) IP66 RATED

DATE:	PROJECT:	TYPE:
CATALOG NUMBER LOGIC:		



\*Accommodates up to 2 lens/honeycomb media  
\*IP66 only

**CATALOG NUMBER LOGIC**  
Example: B-UL-F-DE-LED-TR-x99-FL-WHP-12-11-INC-120

**MATERIAL**  
(Blank) - Aluminum B - Brass S - Stainless

**SERIES**  
UL - Recessed Uplight  
E - Flush Mount

**FIXTURE**  
DE - Denali Series

**SOURCE**  
LED - Chip on Board Technology

**HOUSING**  
TR - Integral Driver

**LED TYPE**

x98 - 13W/2700K/80CRI	x101 - 13W/2700K/90CRI
x99 - 13W/3000K/80CRI	x102 - 13W/3000K/90CRI
x103 - 13W/3500K/80CRI	x104 - 13W/3500K/90CRI
x100 - 13W/4000K/80CRI	x105 - 13W/4000K/90CRI
x102 - 21W/2700K/80CRI	x108 - 21W/2700K/90CRI
x103 - 21W/3000K/80CRI	x107 - 21W/3000K/90CRI
x104 - 21W/3500K/80CRI	x109 - 21W/3500K/90CRI
x105 - 21W/4000K/80CRI	x106 - 21W/4000K/90CRI

**OPTICS**  
SP - Spot (20°) FL - Flood (40°) WFL - Wide Flood (60°)

**FINISH (See page 2 for full-color swatches)**  
Standard Finishes (OSP, SEM, BLP, BLK, WHP, WH, WHP, SAP, VED)  
Premium Finish (ARP, AMG, ACM, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBR, OCP, RMG, SDS, SMG, TXF, WCP, WR)

Also available in RAL Finishes  
Brass Finishes (MAC, PCL, MTF)  
Stainless Steel Finishes (MAC, POL)

**LENS TYPE\***  
9 - Clear (Standard)  
12 - Soft Focus 13 - Rectilinear

**SHIELDING\***  
1 - Honeycomb Baffle

**CONTROL**  
CLV - Dimming Driver (For use with Electronic Low Voltage Dimmer)\*\*  
INC - Dimming Driver (For use with Incandescent Dimmer)\*\*

**INPUT VOLTAGE**  
120 - 120 VAC

**#11 Honeycomb Baffle**  
Reduces glare by controlling light at 45° cutoff

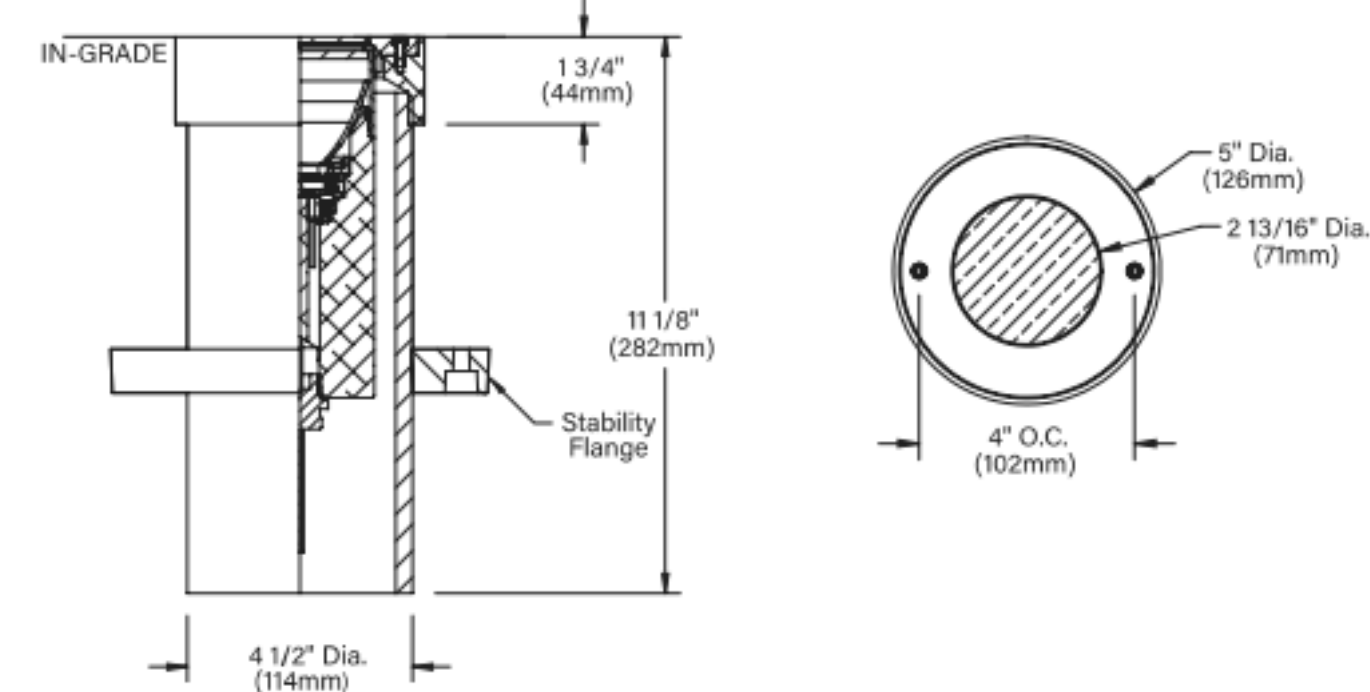
**TITLE 24, IAB COMPLIANT**

**B-K LIGHTING** MADE IN THE USA 559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

### TYPE S2A

DENALI - UPLIGHT FLUSH MOUNT LED (INTEGRAL) IP66 RATED

DATE:	PROJECT:	TYPE:
CATALOG NUMBER LOGIC:		



**STANDARD FINISHES**

Satin Black (BLK)	Satin Bronze (BRZ)	Satin White (WHY)	Satin Aluminum (SAP)
Black Chrome (BCM)	Black Nickel (BNI)	Black Nickel (BNI)	Black Nickel (BNI)
Black Nickel (BNI)	Black Nickel (BNI)	Black Nickel (BNI)	Black Nickel (BNI)
Black Nickel (BNI)	Black Nickel (BNI)	Black Nickel (BNI)	Black Nickel (BNI)

**PREMIUM FINISHES**

Cascade Mtn. Granite (CMG)	Rocky Mtn. Granite (RMG)	Sony Mtn. Granite (SMG)	Alcatraz Mtn. Granite (AMG)	Teakwood Forest (TKF)
Black Granite (BGM)	Black Granite (BGM)	Black Granite (BGM)	Black Granite (BGM)	Black Granite (BGM)
Black Granite (BGM)	Black Granite (BGM)	Black Granite (BGM)	Black Granite (BGM)	Black Granite (BGM)
Black Granite (BGM)	Black Granite (BGM)	Black Granite (BGM)	Black Granite (BGM)	Black Granite (BGM)

Click [here](#) to view larger, full-color swatches of all available finishes on our website.

**B-K LIGHTING** MADE IN THE USA 559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

### TYPE S2A

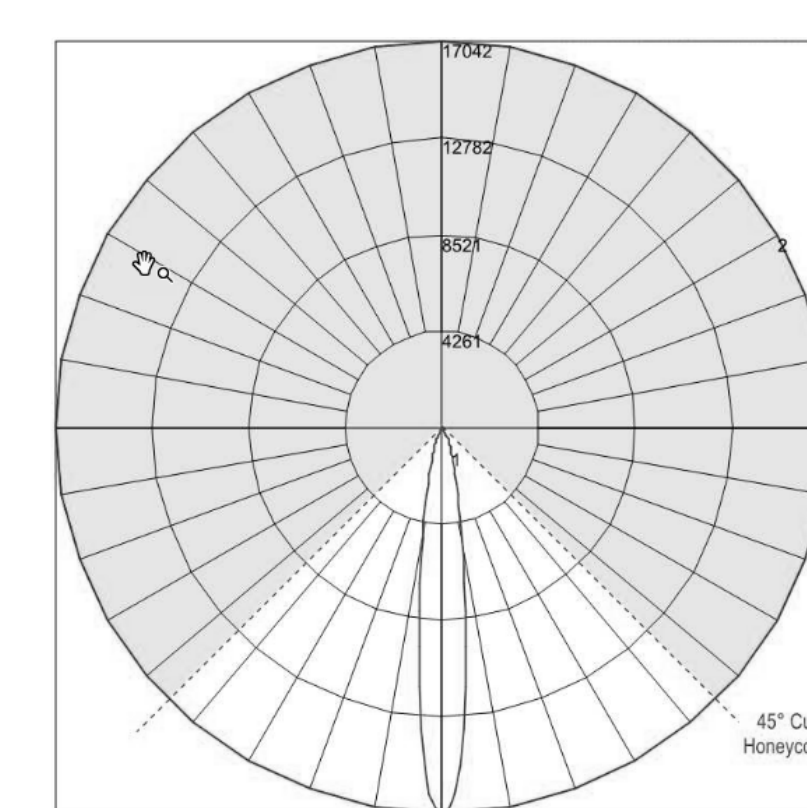
Photometric Report (Type C)

AG32 Lighting Analysts

File: DE-LED-TR-X125-SP-9-C-13583921.04.ies  
[TEST] 13583921.04  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 2/5/2021  
[MANUFACT] B-K Lighting INC  
[LUMEN CAT] DE-LED-TR-X125-SP-9-C-PROTOTYPE (4000K)  
[LUMINAIRE] White metal cylindrical housing and clear glass lens  
[LAMP] One (1) White LED  
[BALLAST] One (1) ERP EBR020V-0700-30  
Maximum Candela - 10430.8 at 0 H 0 V

**Classification:**  
Road Classification: Type V, Very Short, N.A. (deprecated)  
Upward West Light Ratio: 0.00  
Luminaire Efficacy Rating (LER): 64  
Maximum UGR: 13.5  
Indoor Classification: Direct  
BUG Rating: B2-U0-G0

**Polar Candela Curves:**  
Vertical Plane Through:  
1) 0 - 180 Horizontal  
Horizontal Cone Through:  
2) 0 Vertical



**B-K LIGHTING** MADE IN THE USA 559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

FIXTURE TYPE S2A IS TO BE GROUND MOUNTED BENEATH THE ENTRY CANOPY. HEX LOUVER WILL PROVIDE SHIELDING OF LAMP FROM DIRECT VIEW.

FIXTURE TYPE S2A IS TO BE GROUND MOUNTED BENEATH THE ENTRY CANOPY. HEX LOUVER WILL PROVIDE SHIELDING OF LAMP FROM DIRECT VIEW.

FIXTURE TYPE S2A IS TO BE GROUND MOUNTED BENEATH THE ENTRY CANOPY. HEX LOUVER WILL PROVIDE SHIELDING OF LAMP FROM DIRECT VIEW.

### TYPE S3A

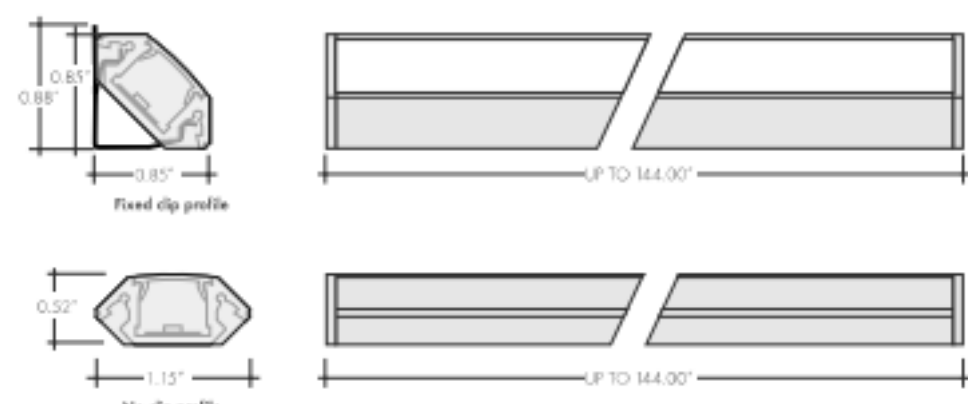
Kendo 45M Wet Linear Balance Illumination System

luminii

**Features**

- 24VDC Class 2 fixtures made to order up to 144". Finishes can be inked up to 35" depending on output
- Suitable for undercabinet, millwork, recessed and surface mount applications
- Approved for clean/storage space installation per NEC 410.16(A)(5) and 410.16(C)(5)
- Operating environmental temperature -30C to 50C

**Profile dimensions**



**Finish options**

- Silver anodized
- Black powder coated
- Bronze powder coated
- White powder coated

**Technical information**

Output	Lumens at 3000K (with clear lens)	Average power consumption at 4'	Lumens / Watt (with clear lens)	Maximum system length, ft	CCT INFO/LUMEN MULTIPLIER	TM-30-15			
					Color temperature	Multiplier	CR1	R <sub>f</sub>	R <sub>g</sub>
SO (3.76)	89 lum/h	3.2 W/h	64 lm/W	35'	2700K	0.87	97	97	100
HO (8.04)	192 lum/h	5.2 W/h	82 lm/W	20'	2700K	0.81	97	97	100
VHO (17.2)	408 lum/h	6.5 W/h	65 lm/W	18'	2700K	0.86	97	94	101
					3000K	1.00	91	89	98
					3500K	1.05	94	90	100
					400K	1.39	94	86	95

**Ordering code**

MODEL	LENGTH	CCT	OUTPUT	LENS	HOUSING	FINISH	POWER FEED POSITION / TYPE
K45MW	12" - 128"	27K - 4000K	SO - 4000K	HO - 11 degree	FC - 11 degree	SA - Silver, BK - Black, BR - Bronze, WH - White	E - 1/2" wire leads, F - 2" wire leads at one end and quick connect at other, I - Single quick connect, J - Dual quick connect

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### TYPE S3A

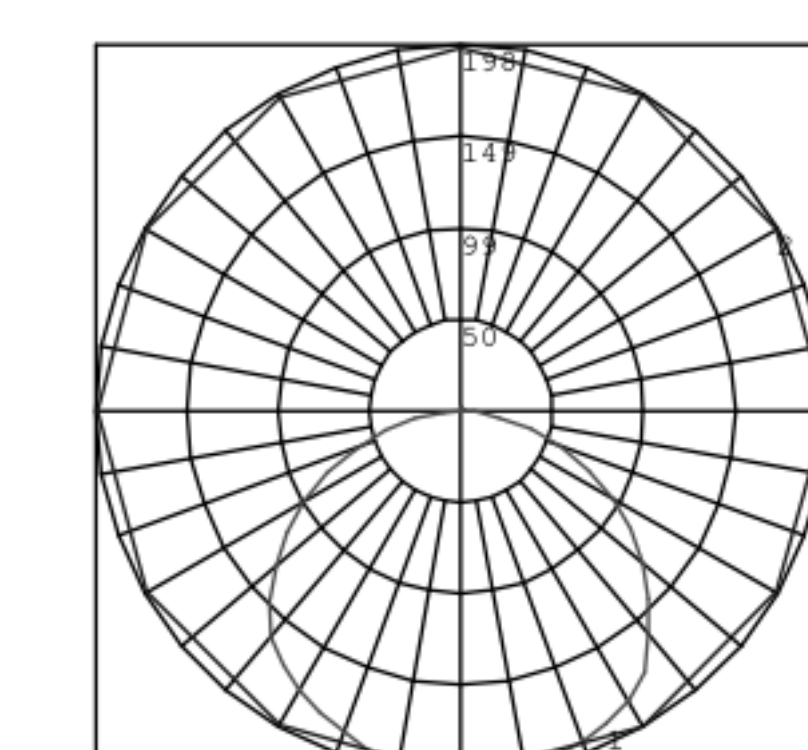
Photometric Report (Type C)

AG32 Lighting Analysts

File: K45MW-48-30K-SO-C-XX-WH-X-IESNA2002.1ES  
[TEST] N/A  
[TESTLAB] Engineering Lab  
[ISSUE DATE] 18-FEB-2002  
[MANUFACT] LUMINII  
[LUMEN CAT] K45MW-48-30K-SO-C-XX-WH-X-X  
[LUMINAIRE] Kendo 45M Wet  
[LAMP CAT] 45M-24K-B1K; WSA 6/20  
[LAMP] 3528 LED  
Maximum Candela = 198.06 at 0 H 5 V

**Classification:**  
Road Classification: Type II, Very Short, N.A. (deprecated)  
Upward West Light Ratio: 0.01  
Luminaire Efficacy Rating (LER): 47  
Maximum UGR: 21.6  
Indoor Classification: Direct  
BUG Rating: B0-U1-G0

**Polar Candela Curves:**  
Vertical Plane Through:  
1) 0 - 180 Horizontal  
Horizontal Cone Through:  
2) 5 Vertical



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### TYPE S4A

Kendo M Wet Graze Linear Illumination System

luminii

**Finish options**

- Black powder coated
- Bronze powder coated
- Silver anodized
- White powder coated

**Technical information**

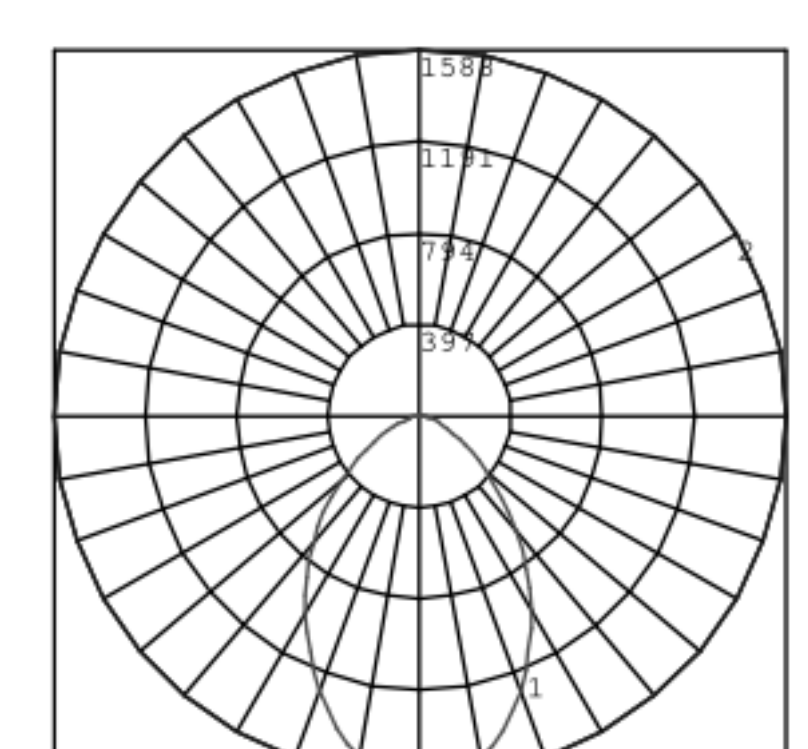
Output type	HO (LS4)	VHO (LP2)	CCT INFO/LUMEN MULTIPLIER	TM-30-15		
	Color temperature	Multiplier	CR1	R <sub>f</sub>	R <sub>g</sub>	
Lumens of 4000K	262 lum/h	355 lum/h	2700K	0.73	97	100
Average power consumption at 4'	5.2 W/h	6.5 W/h	3000K	0.81	96	99
Maximum system length	20'	18'	3500K	0.86	94	100
Adjustable to lead through fixture wing			4000K	1.00	94	96

**Ordering code**

MODEL	LENGTH	CCT	OUTPUT	LENS	HOUSING	FINISH	POWER FEED
KMWS	12" - 128"	27K - 4000K	HO - 4000K	HO - 11 degree	TR - 11 degree	SA - Silver, BK - Black, BR - Bronze, WH - White	F1 - 2" wire leads, F2 - 2" wire leads at one end and quick connect at other, F3 - Single quick connect, F4 - Dual quick connect

**Classification:**  
Road Classification: Type I, Very Short, Cutoff (deprecated)  
Upward West Light Ratio: 0.04  
Luminaire Efficacy Rating (LER): 56  
Maximum UGR: 25.6  
Indoor Classification: Direct  
BUG Rating: B1-U2-G1

**Polar Candela Curves:**  
Vertical Plane Through:  
1) 0 - 180 Horizontal  
Horizontal Cone Through:  
2) 0 Vertical



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### TYPE S4A

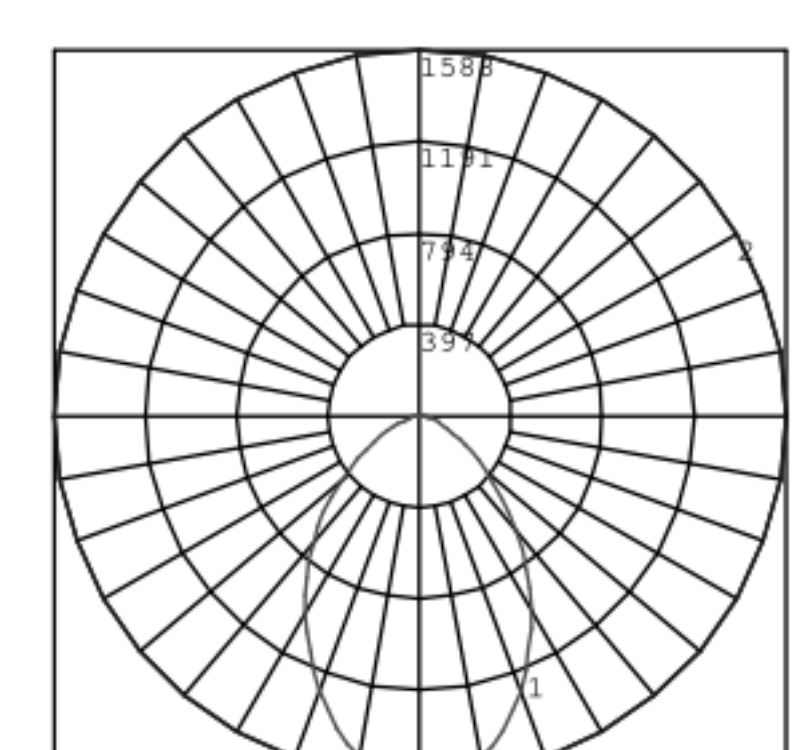
Photometric Report (Type C)

AG32 Lighting Analysts

File: Kendo M Graze - Graze Lens - VHO - LL72-30K-YF8 - 4ft.IES  
[TEST] N/A  
[TESTLAB] Engineering Lab  
[ISSUE DATE] 18-FEB-2002  
[MANUFACT] LUMINII  
[LUMEN CAT] KMS-48-30K-VHO-11-WH-XX-XX  
[LUMINAIRE] 11 degree Semi-frosted Lens  
[LAMP CAT] KMS-48-30K-VHO-11-WH-XX-XX  
[LAMP] LL72-30K-YF8  
Maximum Candela = 1587.59 at 0 H 0 V

**Classification:**  
Road Classification: Type I, Very Short, Cutoff (deprecated)  
Upward West Light Ratio: 0.04  
Luminaire Efficacy Rating (LER): 56  
Maximum UGR: 25.6  
Indoor Classification: Direct  
BUG Rating: B1-U2-G1

**Polar Candela Curves:**  
Vertical Plane Through:  
1) 0 - 180 Horizontal  
Horizontal Cone Through:  
2) 0 Vertical



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FIXTURE TYPE S4A TO BE MOUNTED IN ARCHITECTURAL SIDEWALK CURB, FACING THE GROUND AT AN ANGLE OR 45 DEGREES. CURB WILL HAVE A LIP TO CONCEAL FIXTURE FROM DIRECT VIEW.

FIXTURE TYPE S4A TO BE MOUNTED IN ARCHITECTURAL SIDEWALK CURB, FACING THE GROUND AT AN ANGLE OR 45 DEGREES. CURB WILL HAVE A LIP TO CONCEAL FIXTURE FROM DIRECT VIEW.

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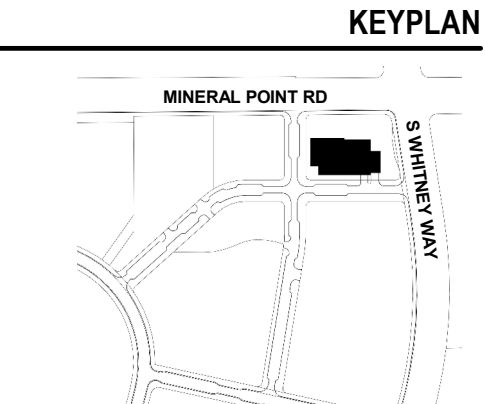
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**PROJECT**

### UNIVERSITY RESEARCH PARK - ELEMENT LABS

UNIVERSITY RESEARCH PARK  
510 CHARMANY DR. STE. 250  
MADISON, WI 53719

**KEYPLAN**



**ISSUE CHART**

NO.	DESCRIPTION	DATE
1	SITE PLAN APPROVAL	JUN 1 2021

Job Number 021130.000  
TITLE

**LIGHT FIXTURE CUT SHEET - SITE**

SHEET NUMBER

## EL-05

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