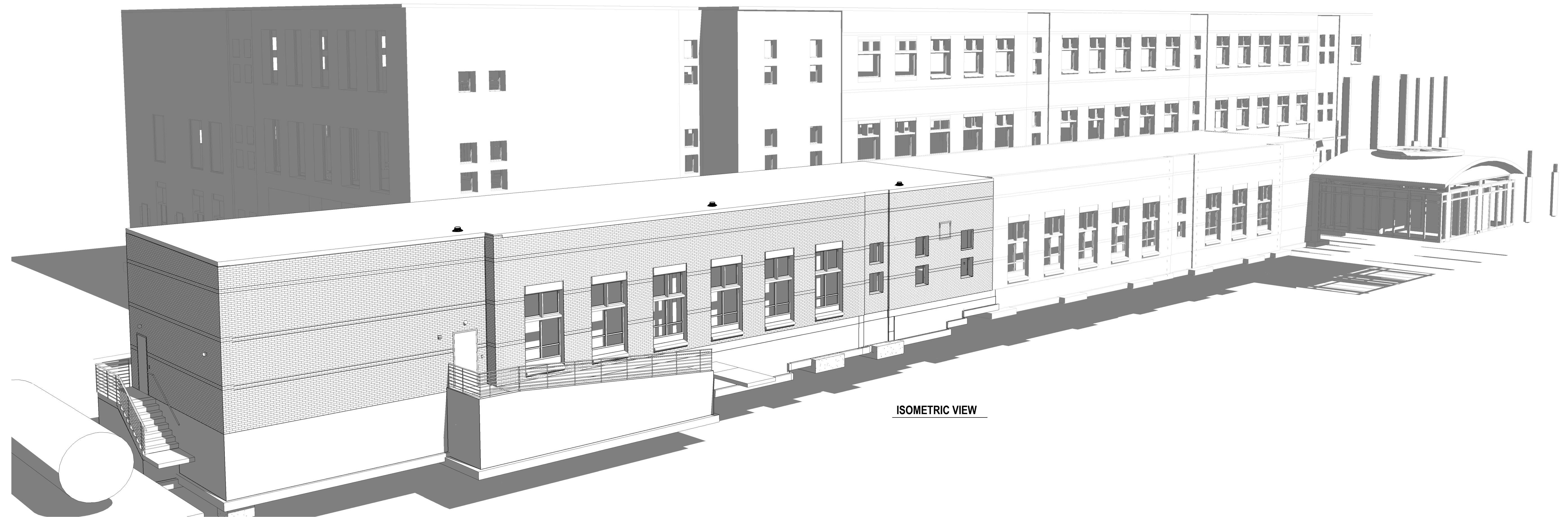
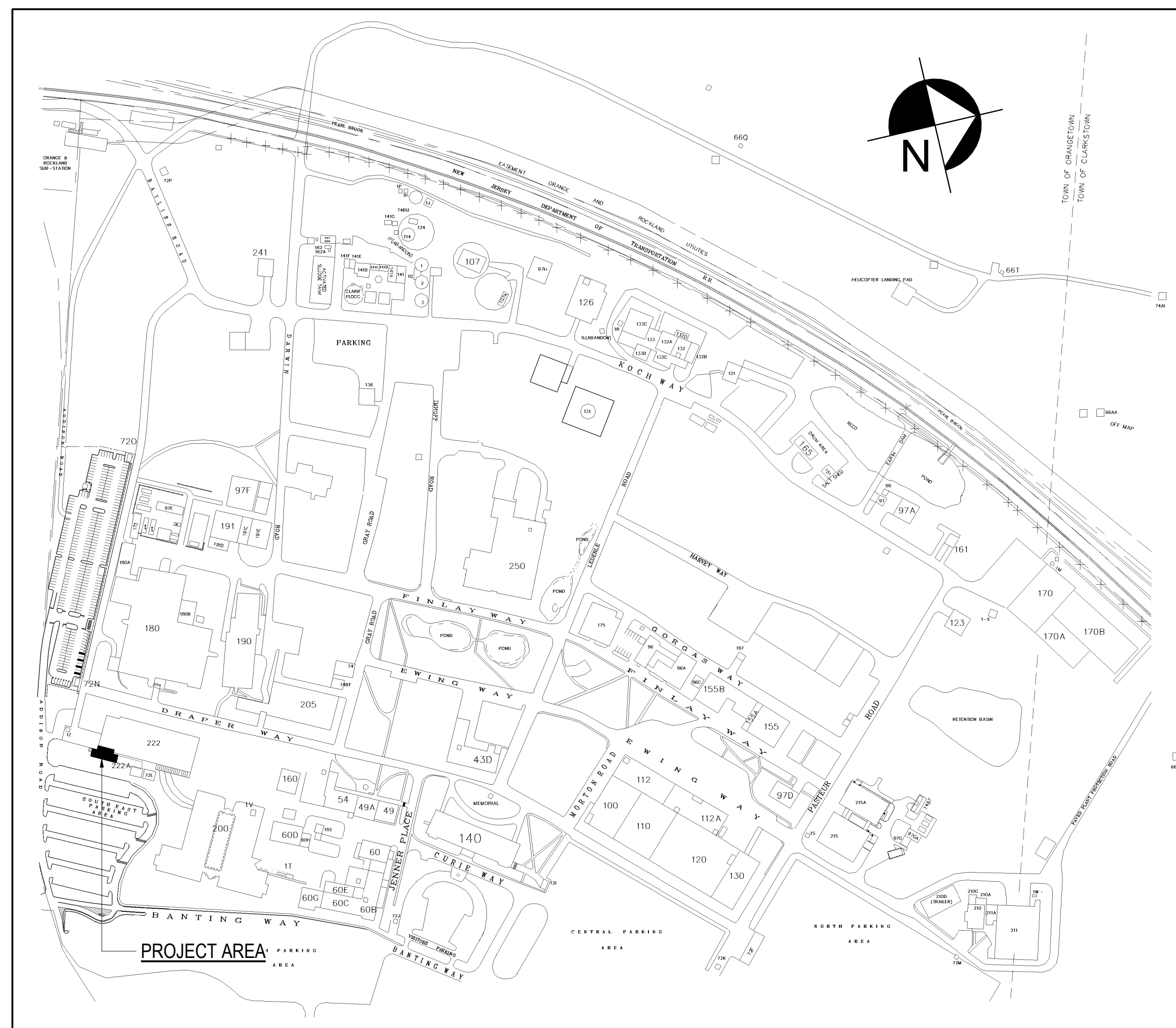




PEARL RIVER, NY HAMILTON BIOS #2 ADDITION



ISOMETRIC VIEW



DRAWING LIST			
NO.	DRAWING NAME	REV	DATE
GENERAL			
G-001	COVER SHEET/LOCATION MAP	0	2023.02.22
G-002	NEW YORK STATE BUILDING CODE COMPLIANCE ASSESSMENT	0	2023.02.22
CIVIL			
GI-001	GENERAL NOTES	0	2023.02.22
VT-01	TOPOGRAPHIC SURVEY BUILDING 222 EXISTING CONDITIONS PLAN	0	2023.02.22
CP-101	SITE PREPARATION AND SEDIMENT & EROSION CONTROL PLAN	0	2023.02.22
CS-101	SITE LAYOUT PLAN	0	2023.02.22
CU-101	SITE UTILITY PLAN	0	2023.02.22
CD-501	SITE DETAILS	0	2023.02.22
CD-502	SITE DETAILS	0	2023.02.22
CD-503	SITE DETAILS	0	2023.02.22
CD-504	SITE DETAILS	0	2023.02.22
CD-505	SITE DETAILS	0	2023.02.22
STRUCTURAL			
S-000	NOTES	0	2023.02.22
S-001	SPECIAL INSPECTION	0	2023.02.22
S-100	FOUNDATION PLAN	0	2023.02.22
S-200	ROOF FRAMING PLAN	0	2023.02.22
S-300	TYPICAL CONCRETE DETAILS	0	2023.02.22
S-301	TYPICAL CONCRETE DETAILS AND SECTIONS	0	2023.02.22
S-310	TYPICAL FRAMING DETAILS	0	2023.02.22
S-311	FRAMING SECTIONS	0	2023.02.22
ARCHITECTURE			
A-001	ARCHITECTURAL SYMBOLS AND ABBREVIATIONS	0	2023.02.22
A-002	PARTIAL FIRST FLOOR LIFE SAFETY PLAN	0	2023.02.22
A-003	MOUNTING HEIGHTS AND ACCESSIBILITY DRAWINGS	0	2023.02.22
AD-101	ARCHITECTURAL PARTIAL FIRST FLOOR DEMOLITION PLANS	0	2023.02.22
A-101	ARCHITECTURAL FIRST FLOOR PLAN KEY PLAN	0	2023.02.22
A-102	ARCHITECTURAL PARTIAL ENLARGED PLANS	0	2023.02.22
A-103	ARCHITECTURAL PARTIAL ROOF PLAN	0	2023.02.22
A-104	ARCHITECTURAL PARTIAL GENERAL ARRANGEMENT PLAN	0	2023.02.22
A-200	ARCHITECTURAL ELEVATIONS AND SECTION	0	2023.02.22
A-300	ARCHITECTURAL WALL SECTIONS	0	2023.02.22
A-301	ARCHITECTURAL WALL SECTIONS	0	2023.02.22
A-600	PARTITION TYPES, SCHEDULES AND DETAILS	0	2023.02.22
A-601	DOOR TYPES, SCHEDULE AND DETAILS	0	2023.02.22

DRAWING LIST			
NO.	DRAWING NAME	REV	DATE
MECHANICAL			
M000	MECHANICAL NOTES, SYMBOLS, AND ABBREVIATIONS	0	2023.02.22
M201	AHU-11 AND AHU-12 AIRFLOW DIAGRAMS	0	2023.02.22
M202	CHILLED WATER FLOW DIAGRAM	0	2023.02.22
M203	HEATING HOT WATER FLOW DIAGRAM	0	2023.02.22
M204	COMPRESSED AIR AND LIQUID NITROGEN FLOW DIAGRAM	0	2023.02.22
M500	MECHANICAL DETAILS	0	2023.02.22
M501	MECHANICAL DETAILS	0	2023.02.22
M600	MECHANICAL SCHEDULES	0	2023.02.22
MH100	MECHANICAL HVAC FIRST FLOOR INSTALLATION PLAN	0	2023.02.22
MP100	MECHANICAL PIPING FIRST FLOOR INSTALLATION PLAN	0	2023.02.22
PLUMBING			
P100A	PLUMBING FIRST FLOOR STORM AND SANITARY INSTALLATION PLAN	0	2023.02.22
P100B	PLUMBING FIRST FLOOR DOMESTIC AND PROCESS GAS PLAN	0	2023.02.22
P101	PLUMBING ROOF INSTALLATION PLAN	0	2023.02.22
P500	PLUMBING DETAILS, RISER DIAGRAMS, AND SCHEDULES	0	2023.02.22
FIRE PROTECTION			
FP-000	FIRE PROTECTION NOTES, SYMBOLS, AND ABBREVIATIONS	0	2023.02.22
FP-100	FIRST FLOOR FIRE PROTECTION ZONING PLAN	0	2023.02.22
FP-101	FIRST FLOOR FIRE PROTECTION INSTALLATION PLAN	0	2023.02.22
ELECTRICAL			
E001	ELECTRICAL LEAD SHEET	0	2023.02.22
E100	FIRST FLOOR CONDUIT ROUTING PLAN	0	2023.02.22
E101	PARTIAL FIRST FLOOR POWER PLAN	0	2023.02.22
E201	PARTIAL FIRST FLOOR LIGHTING PLAN	0	2023.02.22
E301	PARTIAL FIRST FLOOR SYSTEMS PLAN	0	2023.02.22
E601	ELECTRICAL ONE-LINE DIAGRAM	0	2023.02.22
E602	ELECTRICAL SCHEDULES	0	2023.02.22

Notes

ISSUED FOR PERMIT	REV	WHY	DATE
Issued/Revision	By	Appd	YYYY.MM.DD

FILE NAME	DATE	REV	WHY	DATE
File Name: N/A	Drawn	Revised	Checked	2023.02.21
				YYYY.MM.DD



Client/Project Logo



Client/Project
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title
COVER SHEET/LOCATION MAP

PROJECT NO.	SCALE
191501254	As indicated
REVISION	DRAWING NO.
0	G-001

Table with 4 columns: CODE REFERENCE, YEAR, ABBREVIATION. Lists various building codes like Building Code of New York State, Energy Conservation Construction Code, etc.

Table with 4 columns: BUILDING NAME, ADDRESS, CITY, STATE, ZIP, COUNTY, CLIMATE ZONE. Details for Pfizer Building 222 Hamilton Bio Addition.

THE EXISTING PFIZER BUILDING B222 AT THEIR PEARL RIVER, NEW YORK CAMPUS IS A FOUR STORY LABORATORY/OFFICE BUILDING WITH A ONE STORY VISITOR CENTER/SECURITY ADDITION AND A HAMILTON BIO ADDITION...

THE ORIGINAL BUILDING 222 WAS INITIALLY CONSTRUCTED IN 1992 AND HAS UNDERGONE SEVERAL RENOVATIONS AND ADDITIONS. VISITOR/SECURITY ADDITION 2012 AND HAMILTON BIO ADDITION 2016 IT IS UNDERSTOOD THAT THE FACILITY IS IN COMPLIANCE WITH CODES THAT WERE IN EFFECT AT THE TIME OF INITIAL CONSTRUCTION AND ALL RENOVATIONS AND ADDITIONS.

THIS ADDITION WILL ONLY EFFECT THE EXISTING AREAS AS IDENTIFIED ON G-002 AS THE "WORK AREA" PER EBCNYS AND ONLY THE NEW ADDITION IS SUBJECT TO THE CODES LISTED ABOVE.

EXISTING BUILDING CODE OF NEW YORK STATE 2020

CHAPTER 2 - DEFINITIONS. Table defining terms like ADDITIONS, EXISTING BUILDING, WORK AREA, etc.

WORK AREA: THAT PORTION OR PORTIONS OF A BUILDING CONSISTING OF ALL RECONFIGURED SPACES AS INDICATED ON THE CONSTRUCTION DOCUMENTS. WORK AREA EXCLUDES OTHER PORTIONS OF THE BUILDING WHERE INCIDENTAL WORK ENTAILED BY THE INTENDED WORK MUST BE PERFORMED...

PRIMARY FUNCTION: A PRIMARY FUNCTION IS A MAJOR ACTIVITY FOR WHICH THE FACILITY IS INTENDED. AREAS THAT CONTAIN A PRIMARY FUNCTION INCLUDE, BUT ARE NOT LIMITED TO, THE CUSTOMER SERVICES LOBBY OF A BANK, THE DINING AREA OF A CAFETERIA, THE MEETING ROOMS IN A CONFERENCE CENTER, etc.

ADDITION INDICATED ON G-002 IS ATTACHED TO THE EXISTING HAMILTON BIO BUILDING.

CHAPTER 3 - PROVISION FOR ALL COMPLIANCE METHODS

Table with 3 columns: SECTION, DESCRIPTION, COMPLIANCE METHOD. Lists provisions for work area, materials, and accessibility.

CHAPTER 6 - CLASSIFICATION OF WORK

Table with 3 columns: CLASSIFICATION, DESCRIPTION, PROVISIONS. Lists classifications for additions and existing buildings.

CHAPTER 11 ADDITIONS

Table with 3 columns: SECTION, DESCRIPTION, ADDITION. Lists addition types like other work, area limitations, energy conservation, and minimum requirements.

CHAPTER 8 - ALTERATIONS LEVEL 2

Table with 4 columns: SECTION, DESCRIPTION, CODE REQUIREMENT, PROJECT COMPLIANCE. Lists alteration requirements for general, fire, accessibility, electrical, mechanical, and plumbing.

REFER TO MECHANICAL, AND ELECTRICAL DRAWINGS FOR INFORMATION ON NEW SYSTEMS.

BUILDING CODE OF NEW YORK STATE 2020

PER EBCNYS 801.3, NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS, AND SPACES SHALL COMPLY WITH REQUIREMENTS OF BUILDING CODE OF NEW YORK STATE.

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION

Table with 3 columns: OCCUPANCY CLASSIFICATION, CODE, PROJECT. Shows A-3 (Assembly) / B (Business) as existing and unchanged.

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

Table with 4 columns: BUILDING HEIGHT IN FEET, OCCUPANCY CLASSIFICATION, SEE FOOTNOTES, TYPE OF CONSTRUCTION, REMARKS. Shows 85 feet for A-3/B occupancy.

Table with 4 columns: NUMBER OF STORIES, OCCUPANCY CLASSIFICATION, SEE FOOTNOTES, TYPE OF CONSTRUCTION, REMARKS. Shows existing for A-3/B occupancy.

Table with 4 columns: AREA FACTOR IN SQUARE FEET, OCCUPANCY CLASSIFICATION, SEE FOOTNOTES, TYPE OF CONSTRUCTION, REMARKS. Shows 56,962 SF actual for A-3/B occupancy.

CHAPTER 6 - CONSTRUCTION TYPES

Table with 4 columns: BUILDING ELEMENT, TYPE OF CONSTRUCTION, REQUIRED, PROVIDED. Lists construction types for structural frame, walls, interior, and roof.

CHAPTER 8 - INTERIOR FINISHES (REFERENCED FROM EBCNYS SECTION 702)

Table with 4 columns: SECTION, GROUP, INTERIOR FINISHES, ROOMS AND ENCLOSED SPACES. Lists interior finish requirements for walls, ceilings, and floors.

CHAPTER 9 - FIRE PROTECTION SYSTEMS (REFERENCE FROM EBCNYS SECTION 703 / 804)

Table with 4 columns: SECTION, FIRE PROTECTION SYSTEMS, CODE, EXISTING. Lists fire protection requirements for sprinkler and alarm systems.

CHAPTER 10 - MEANS OF EGRESS (REFERENCED FROM EBCNYS SECTION 704 / 805)

Table with 4 columns: SECTION, MEANS OF EGRESS, FACTOR, AREA (SF), OCCS. Lists egress requirements for business areas.

CHAPTER 10 - MEANS OF EGRESS (CONTINUED)

Table with 4 columns: SECTION, MEANS OF EGRESS, CODE, PROJECT. Lists egress requirements for stairways, other egress components, and exit travel paths.

CHAPTER 11 - ACCESSIBILITY (REFERENCED FROM SECTION 705 / 806)

Table with 4 columns: SECTION, ACCESSIBILITY, CODE, PROJECT. Lists accessibility requirements for egress, exits, and signage.

CHAPTER 12 - INTERIOR ENVIRONMENT

Table with 4 columns: SECTION, INTERIOR ENVIRONMENT, CODE, PROJECT. Lists interior environment requirements for ventilation, temperature, and lighting.

CHAPTER 15 - ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

Table with 4 columns: SECTION, ROOF ASSEMBLIES, CODE, PROJECT. Lists roof assembly requirements for fire classification and covering.

CHAPTER 16 - STRUCTURAL DESIGN

Table with 4 columns: SECTION, CODE, PROJECT. Shows structural design requirements for construction documents.

CHAPTER 27 - ELECTRICAL

Table with 4 columns: SECTION, CODE, PROJECT. Shows electrical requirements for emergency power, exit signs, and egress illumination.

MECHANICAL CODE OF NEW YORK STATE 2020

Table with 4 columns: SECTION, MECHANICAL SYSTEMS, CODE, PROJECT. Lists mechanical requirements for systems, ducts, and fan shutdown.

ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE 2020

708.1 / 811.1 MINIMUM REQUIREMENTS. ADDITIONS TO EXISTING BUILDINGS OR STRUCTURES ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING OR STRUCTURE TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTIAL CODE...

CHAPTER 4 - COMMERCIAL ENERGY EFFICIENCY

Table with 4 columns: SECTION, COMMERCIAL BUILDING COMPLIANCE, PRESCRIPTIVE, U-FACTORS. Lists energy efficiency requirements for roofs, walls, floors, and fenestration.

EBCNYS CHAPTER 15 / BCNYS CHAPTER 33 - SAFEGUARDS DURING CONSTRUCTION

THE EQUIPMENT REMOVAL AND PATCHING WILL BE COMPLETED IN ONE PHASE. THE EXISTING EGRESS PATHS IN ADJACENT OCCUPIED SPACES AND CONSTRUCTION EGRESS PATHS SHALL BE MAINTAINED CLEAR FOR EMERGENCY EGRESS AT ALL TIMES.

REQUIRED EXITS, MEANS OF EGRESS COMPONENTS, STRUCTURAL ELEMENTS, FIRE PROTECTION DEVICES AND SANITARY SAFE GUARDS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

COORDINATE PROPOSED METHODS AND OPERATIONS OF DEMOLITION AND INSTALLATION WITH DIRECTOR'S REPRESENTATIVE PRIOR TO START OF CONSTRUCTION WORK.

REQUIRED EXITS, MEANS OF EGRESS COMPONENTS, STRUCTURAL ELEMENTS, FIRE PROTECTION DEVICES AND SANITARY SAFE GUARDS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.



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Table with 4 columns: ISSUED FOR PERMIT, ISSUED/REVISION, FILE NAME, APPROVALS. Shows project status and approvals.



Client/Project Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

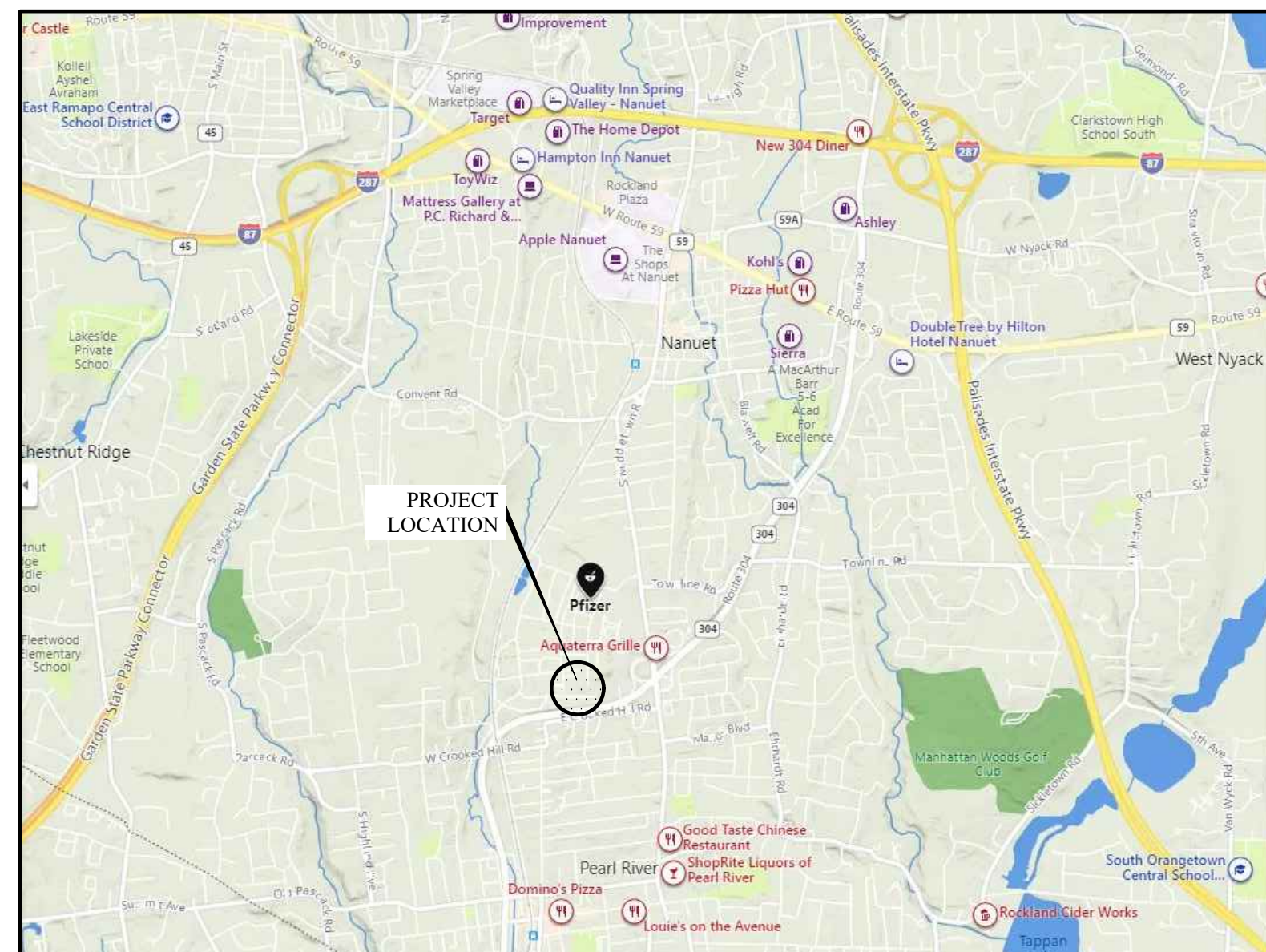
Title NEW YORK STATE BUILDING CODE COMPLIANCE ASSESSMENT

Project No. 191501254 Scale

Revision Drawing No. G-002

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KEY MAP - N.T.S.

LEGEND

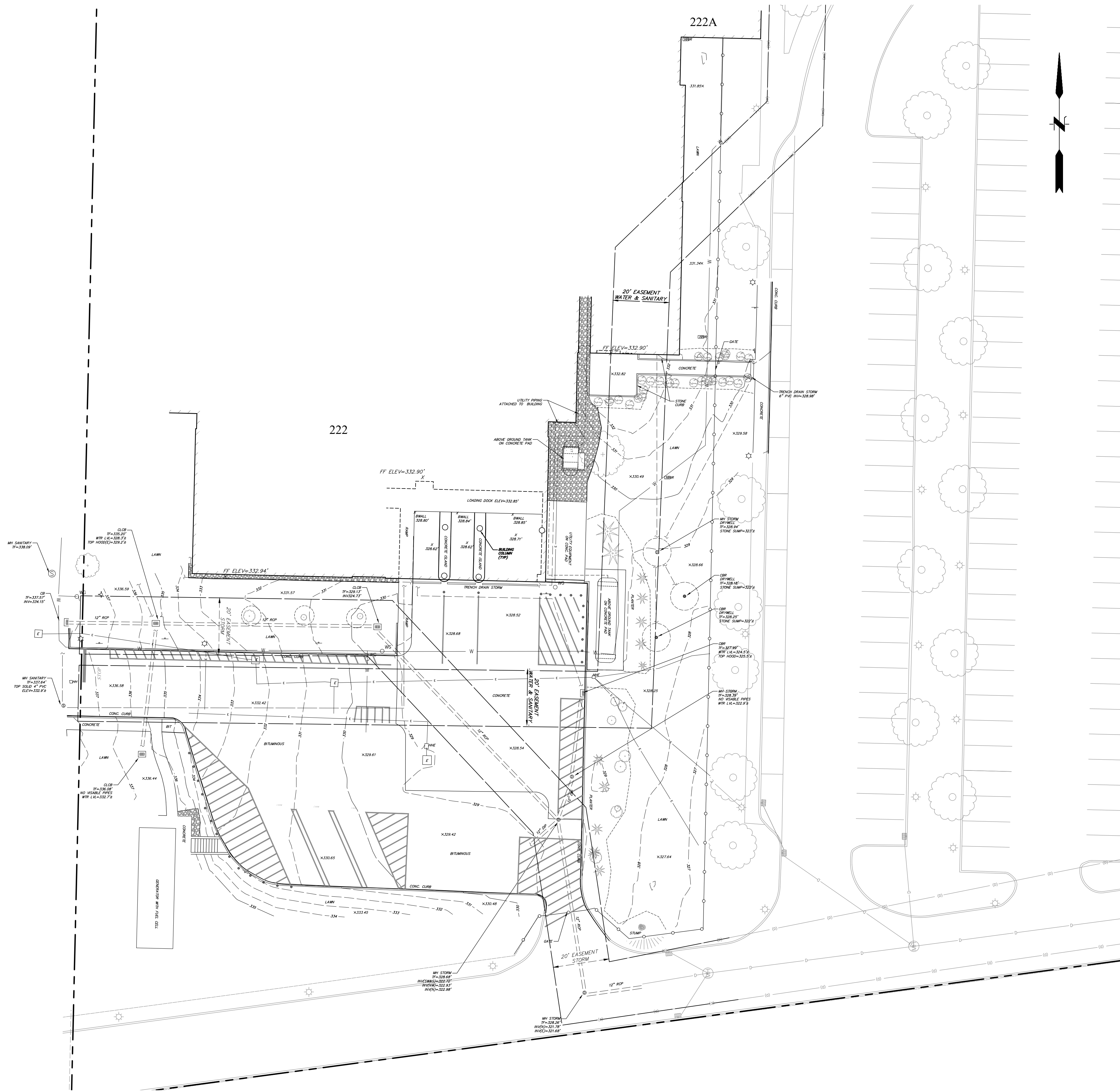
- PROPERTY LINE
- EASEMENT LINE
- CURB
- EXISTING CONTOUR
- INDEX CONTOUR
- METAL FENCE
- STORM DRAINAGE PIPE
- SANITARY SEWER PIPE
- WATER MAIN
- UNDERGROUND GAS
- UNDERGROUND ELECTRIC
- SANITARY MANHOLE
- STORM MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- CATCH BASIN ROUND
- CATCH BASIN
- FLAT TOP CATCHBASIN
- DOUBLE CATCHBASIN
- FLARED END
- FLOOD LIGHT
- LIGHT
- WATER VALVE
- FIRE HYDRANT
- UTILITY POLE
- GUY WIRE
- BOLLARD
- SIGN
- GAS GATE
- WELL
- BUSH
- DECIDUOUS TREE
- PINE TREE

MAP REFERENCES:

- "SURVEY OF PROPERTY PREPARED FOR PFIZER GLOBAL RESEARCH AND DEVELOPMENT TOWN OF ORANGETOWN, COUNTY OF ROCKLAND, STATE OF NEW YORK. SCALE: 1"=30'. SURVEY DATE: 2016-04-29 BY EDWARD T. GANNON, P.L.S. CHERRY HILL ROAD - BLOOMING GROVE, NY 10914"
- "PFIZER GLOBAL RESEARCH AND DEVELOPMENT PEARL RIVER BUILDING 223 HAMILTON BIOS PROJECT SITE/UTILITY PLAN SCALE: 1"=20'. DATE: 02.21.16 BY STANTEC CONSULTING SERVICES INC."
- "PFIZER GLOBAL RESEARCH AND DEVELOPMENT PEARL RIVER BUILDING 223 HAMILTON BIOS PROJECT EXISTING SANITARY SEWER SCALE: NONE DATE: 04.14.16 BY STANTEC CONSULTING SERVICES INC."

UNDERGROUND UTILITY NOTE

THE UNDERGROUND UTILITIES DEPICTED HEREON ARE BASED ON FIELD LOCATION OF VISIBLE FEATURES, MAPS AND PLANS OF RECORD, UTILITY MAPPING OR OTHER SOURCES OF INFORMATION. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES DECLARE THAT THEY ARE DEPICTED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.



File: H:\DWG\20111246\SAN_Srv\01.dwg | Layer: STATE | Plot: VT-01 | 20 SCALE | Pld: 2023-02-09 4:51 PM | Sheet: 2023-02-09 11:25 AM | User: ACJohnson
 PCS: AUTOCAD.PDF (GENERAL DOCUMENTATION) | PCS: STRCIB: FOLSTB

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
 HORZ: 1"=20'
 VERT:
 DATUM:
 HORZ: NAD 83
 VERT: NAVD 88
 20 10 0 20
 GRAPHIC SCALE

f FUSS & O'NEILL
 146 HARTFORD ROAD
 MANCHESTER, CONNECTICUT 06040
 860.666.2469
 www.fundo.com

PFIZER GLOBAL RESEARCH AND DEVELOPMENT
 TOPOGRAPHIC SURVEY
 BUILDING 222 EXISTING CONDITIONS PLAN
 PEARL RIVER NEW YORK

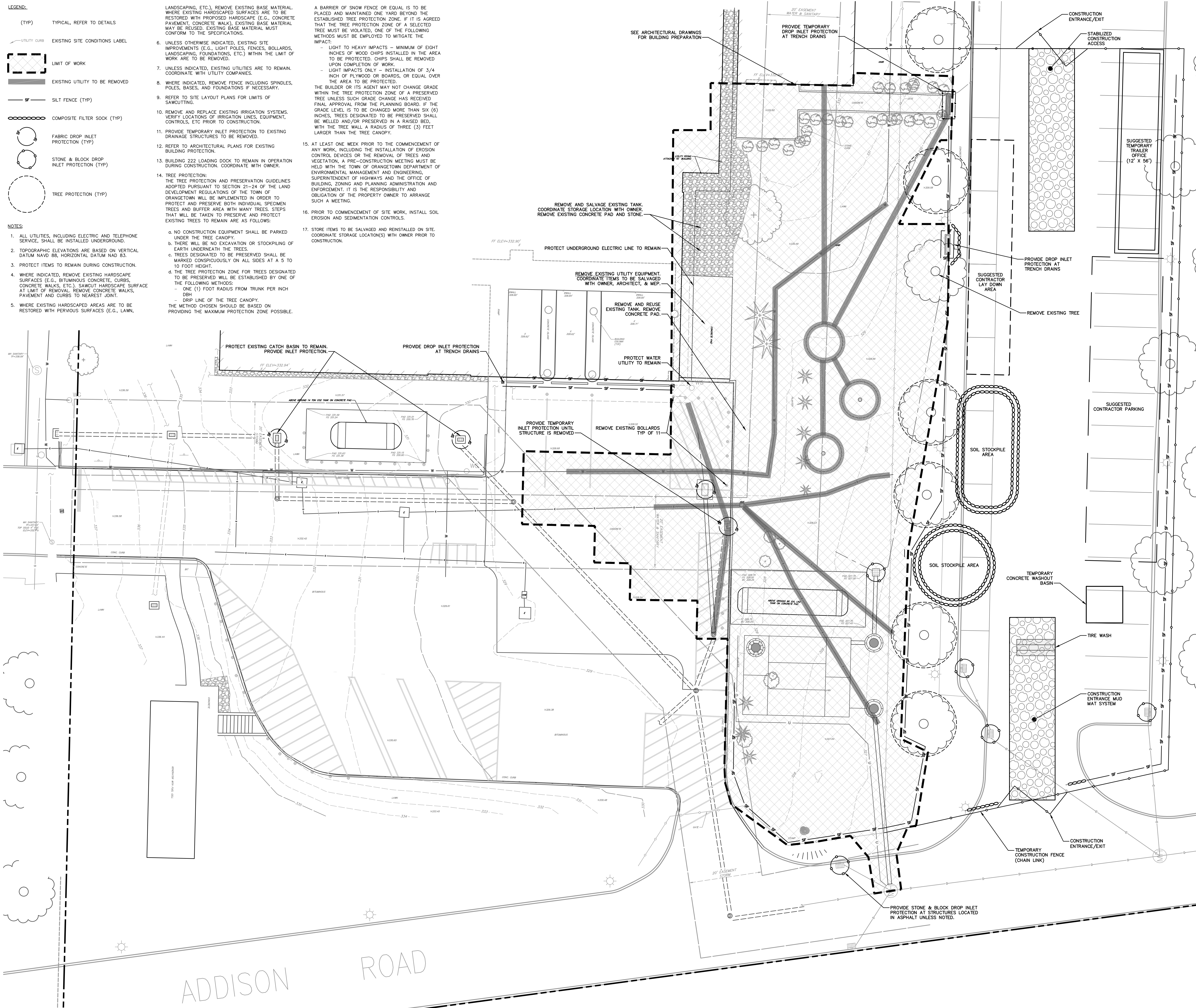
PROJ. No.: 20111246.S4N
 DATE: 02/10/2023
VT-01

- LEGEND:**
- (TYP) TYPICAL, REFER TO DETAILS
 - UTILITY CURB EXISTING SITE CONDITIONS LABEL
 - LIMIT OF WORK
 - EXISTING UTILITY TO BE REMOVED
 - SILT FENCE (TYP)
 - COMPOSITE FILTER SOCK (TYP)
 - FABRIC DROP INLET PROTECTION (TYP)
 - STONE & BLOCK DROP INLET PROTECTION (TYP)
 - TREE PROTECTION (TYP)

- NOTES:**
1. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
 2. TOPOGRAPHIC ELEVATIONS ARE BASED ON VERTICAL DATUM NAVD 83, HORIZONTAL DATUM NAD 83.
 3. PROTECT ITEMS TO REMAIN DURING CONSTRUCTION.
 4. WHERE INDICATED, REMOVE EXISTING HARDSCAPE SURFACES (E.G., BITUMINOUS CONCRETE, CURBS, CONCRETE WALKS, ETC.), SAWCUT HARDSCAPE SURFACE AT LIMIT OF REMOVAL. REMOVE CONCRETE WALKS, PAVEMENT AND CURBS TO NEAREST JOINT.
 5. WHERE EXISTING HARDSCAPED AREAS ARE TO BE RESTORED WITH PERVIOUS SURFACES (E.G., LAWN, LANDSCAPING, ETC.), REMOVE EXISTING BASE MATERIAL. WHERE EXISTING HARDSCAPED SURFACES ARE TO BE RESTORED WITH PROPOSED HARDSCAPE (E.G., CONCRETE PAVEMENT, CONCRETE WALKS), EXISTING BASE MATERIAL MAY BE REUSED. EXISTING BASE MATERIAL MUST CONFORM TO THE SPECIFICATIONS.

6. UNLESS OTHERWISE INDICATED, EXISTING SITE IMPROVEMENTS (E.G., LIGHT POLES, FENCES, BOLLARDS, LANDSCAPING, FOUNDATIONS, ETC.) WITHIN THE LIMIT OF WORK ARE TO BE REMOVED.
7. UNLESS INDICATED, EXISTING UTILITIES ARE TO REMAIN. COORDINATE WITH UTILITY COMPANIES.
8. WHERE INDICATED, REMOVE FENCE INCLUDING SPINDLES, POLES, BASES, AND FOUNDATIONS IF NECESSARY.
9. REFER TO SITE LAYOUT PLANS FOR LIMITS OF SAWCUTTING.
10. REMOVE AND REPLACE EXISTING IRRIGATION SYSTEMS. VERIFY LOCATIONS OF IRRIGATION LINES, EQUIPMENT, CONTROLS, ETC PRIOR TO CONSTRUCTION.
11. PROVIDE TEMPORARY INLET PROTECTION TO EXISTING DRAINAGE STRUCTURES TO BE REMOVED.
12. REFER TO ARCHITECTURAL PLANS FOR EXISTING BUILDING PROTECTION.
13. BUILDING 222 LOADING DOCK TO REMAIN IN OPERATION DURING CONSTRUCTION. COORDINATE WITH OWNER.
14. TREE PROTECTION: THE TREE PROTECTION AND PRESERVATION GUIDELINES ADOPTED PURSUANT TO SECTION 21-24 OF THE LAND DEVELOPMENT REGULATIONS OF THE TOWN OF ORANGETOWN WILL BE IMPLEMENTED IN ORDER TO PROTECT AND PRESERVE BOTH INDIVIDUAL SPECIMEN TREES AND BUFFER AREA WITH MANY TREES. STEPS THAT WILL BE TAKEN TO PRESERVE AND PROTECT EXISTING TREES TO REMAIN ARE AS FOLLOWS:
 - a. NO CONSTRUCTION EQUIPMENT SHALL BE PARKED UNDER THE TREE CANOPY.
 - b. THERE WILL BE NO EXCAVATION OR STOCKPILING OF EARTH UNDERNEATH THE TREES.
 - c. TREES DESIGNATED TO BE PRESERVED SHALL BE MARKED CONSPICUOUSLY ON ALL SIDES AT A 5 TO 10 FOOT HEIGHT.
 - d. THE TREE PROTECTION ZONE FOR TREES DESIGNATED TO BE PRESERVED WILL BE ESTABLISHED BY ONE OF THE FOLLOWING METHODS:
 - ONE (1) FOOT RADIUS FROM TRUNK PER INCH DBH
 - DRIP LINE OF THE TREE CANOPY.
 THE METHOD CHOSEN SHOULD BE BASED ON PROVIDING THE MAXIMUM PROTECTION ZONE POSSIBLE.

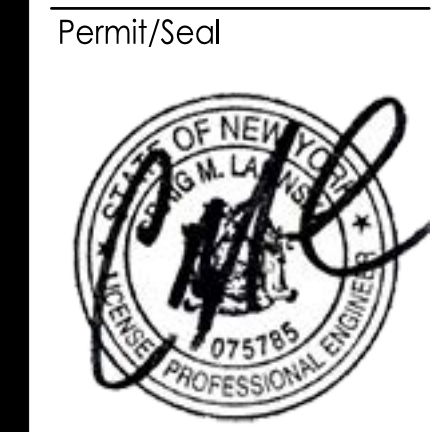
15. AT LEAST ONE WEEK PRIOR TO THE COMMENCEMENT OF ANY WORK, INCLUDING THE INSTALLATION OF EROSION CONTROL DEVICES OR THE REMOVAL OF TREES AND VEGETATION, A PRE-CONSTRUCTION MEETING MUST BE HELD WITH THE TOWN OF ORANGETOWN DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND ENGINEERING, SUPERINTENDENT OF HIGHWAYS AND THE OFFICE OF BUILDING, ZONING AND PLANNING ADMINISTRATION AND ENFORCEMENT. IT IS THE RESPONSIBILITY AND OBLIGATION OF THE PROPERTY OWNER TO ARRANGE SUCH A MEETING.
16. PRIOR TO COMMENCEMENT OF SITE WORK, INSTALL SOIL EROSION AND SEDIMENTATION CONTROLS.
17. STORE ITEMS TO BE SALVAGED AND REINSTALLED ON SITE. COORDINATE STORAGE LOCATION(S) WITH OWNER PRIOR TO CONSTRUCTION.



DISCLAIMER:
 IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF THIS DOCUMENT IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NO.	ISSUED FOR PERMIT	LM	CL	DATE
1	ISSUED FOR PERMIT	LM	CL	2023.02.22
2	Issued/Revision	By	Appd	YYYY.MM.DD

File Name: ERO01.dwg ID: LM: TD: 02/17/23
 Dwn: Dgn: Chd: YYYY.MM.DD



Client/Project
 Pfizer Global Research and Development

Hamilton BIOS #2 Addition
 Pearl River, NY

Title
 SITE PREPARATION AND
 SEDIMENT & EROSION CONTROL
 PLAN

Project No. 20111246.S4N Scale 1"=10'
 Revision 0 Drawing No. CP-101

	REQUIRED	EXISTING	PROPOSED
FLOOR AREA RATIO (FAR)	0.50	0.53	0.53
MINIMUM LOT AREA	2 ACRES	22.9± ACRES	22.9± ACRES
MINIMUM LOT WIDTH	150 FT	269± FT	269± FT
MINIMUM LOT FRONTAGE	150 FT	269± FT	269± FT
MINIMUM FRONT YARD	50 FT	218± FT	218± FT
MINIMUM SIDE YARD	50 FT	5± FT	5± FT
TOTAL SIDE YARD	100 FT	230± FT	230± FT
MINIMUM REAR YARD	50 FT	5± FT	5± FT

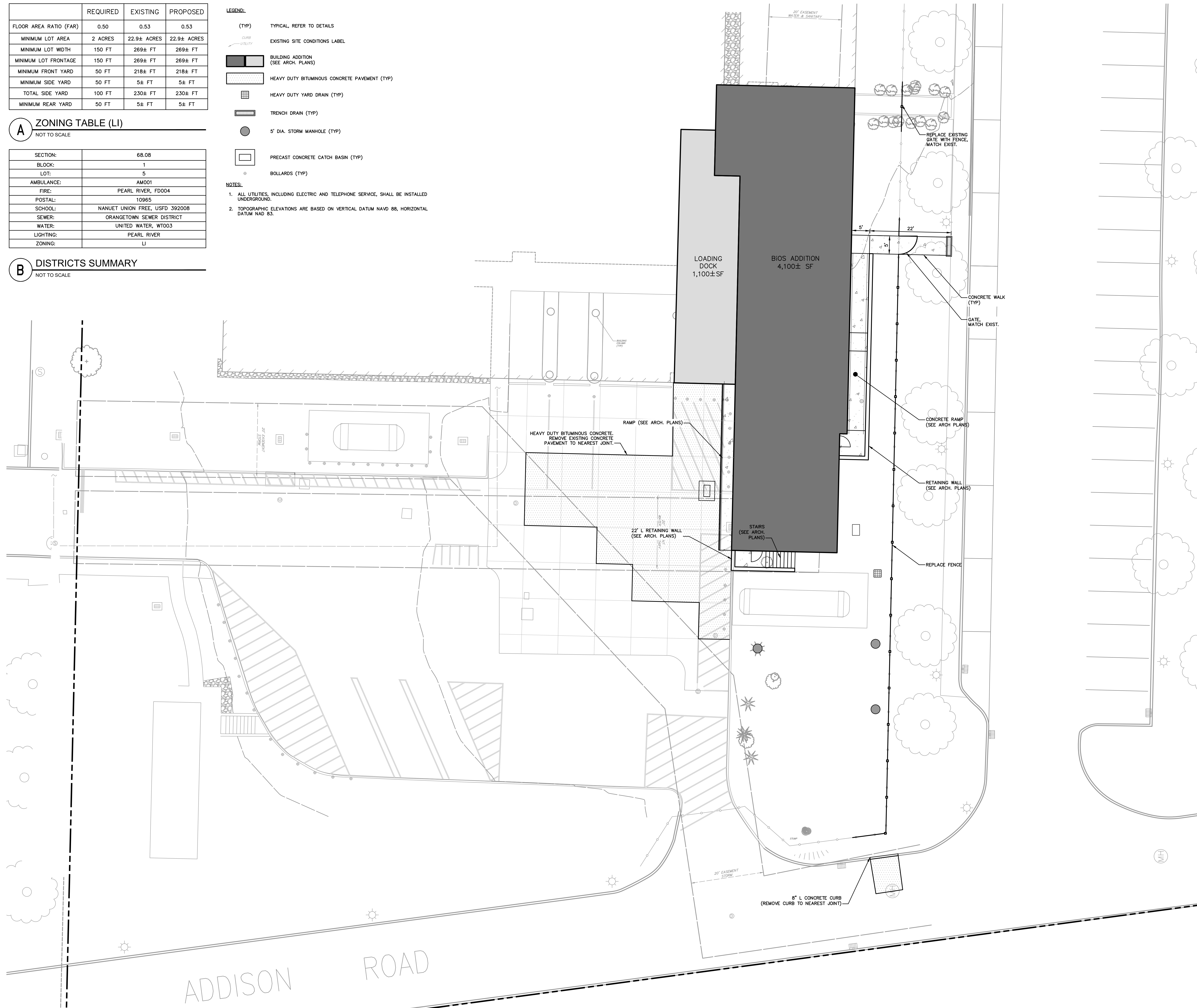
A ZONING TABLE (LI)
 NOT TO SCALE

SECTION:	68.08
BLOCK:	1
LOT:	5
AMBULANCE:	AM001
FIRE:	PEARL RIVER, FD004
POSTAL:	10965
SCHOOL:	NANUET UNION FREE, USFD 392008
SEWER:	ORANGETOWN SEWER DISTRICT
WATER:	UNITED WATER, WT003
LIGHTING:	PEARL RIVER
ZONING:	LI

B DISTRICTS SUMMARY
 NOT TO SCALE

- LEGEND:**
- (TYP) TYPICAL, REFER TO DETAILS
 - EXISTING SITE CONDITIONS LABEL
 - BUILDING ADDITION (SEE ARCH. PLANS)
 - HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT (TYP)
 - HEAVY DUTY YARD DRAIN (TYP)
 - TRENCH DRAIN (TYP)
 - 5' DIA. STORM MANHOLE (TYP)
 - PRECAST CONCRETE CATCH BASIN (TYP)
 - BOLLARDS (TYP)

- NOTES:**
- ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
 - TOPOGRAPHIC ELEVATIONS ARE BASED ON VERTICAL DATUM NAVD 88, HORIZONTAL DATUM NAD 83.



NO.	ISSUED FOR PERMIT	LM	CL	DATE
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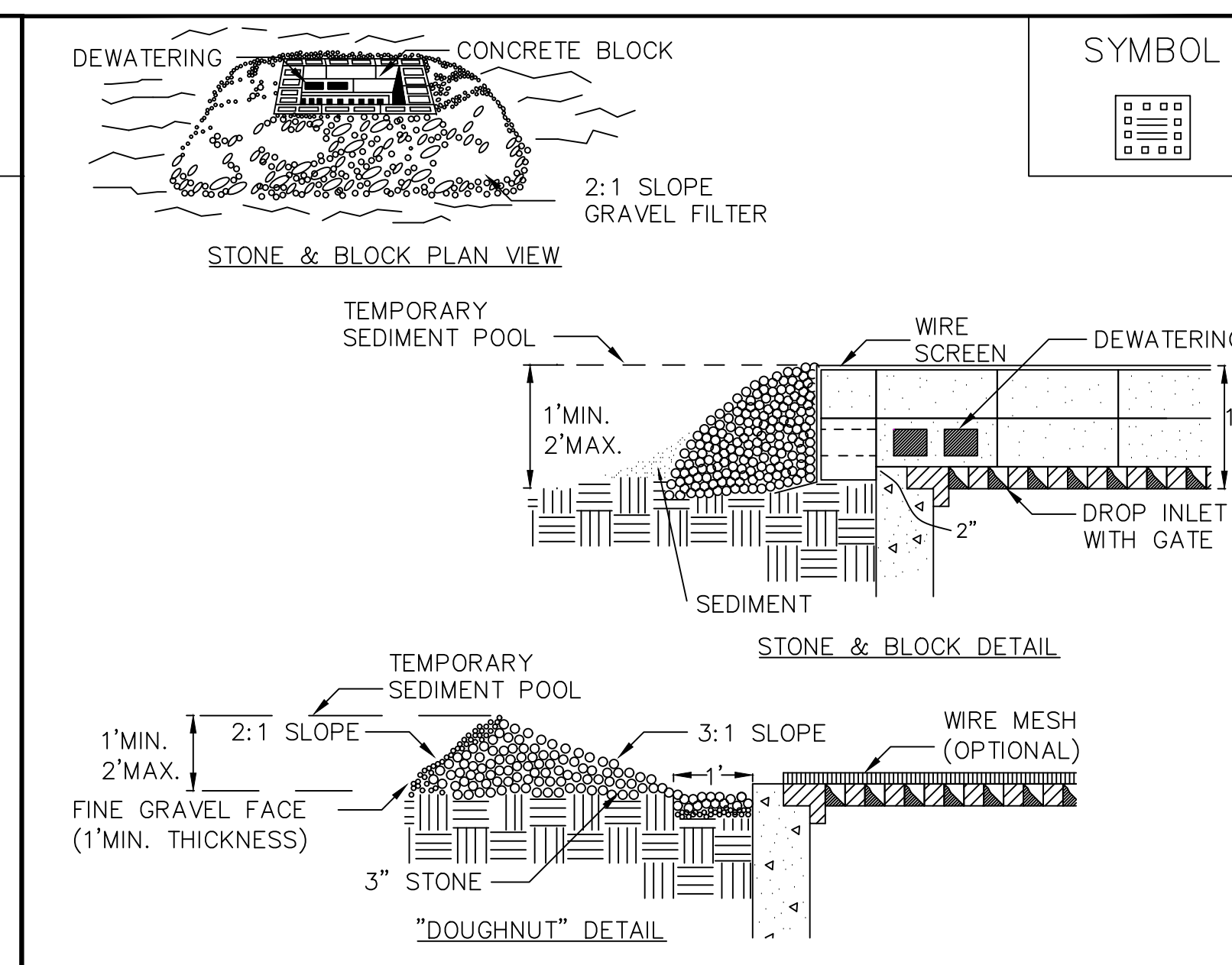
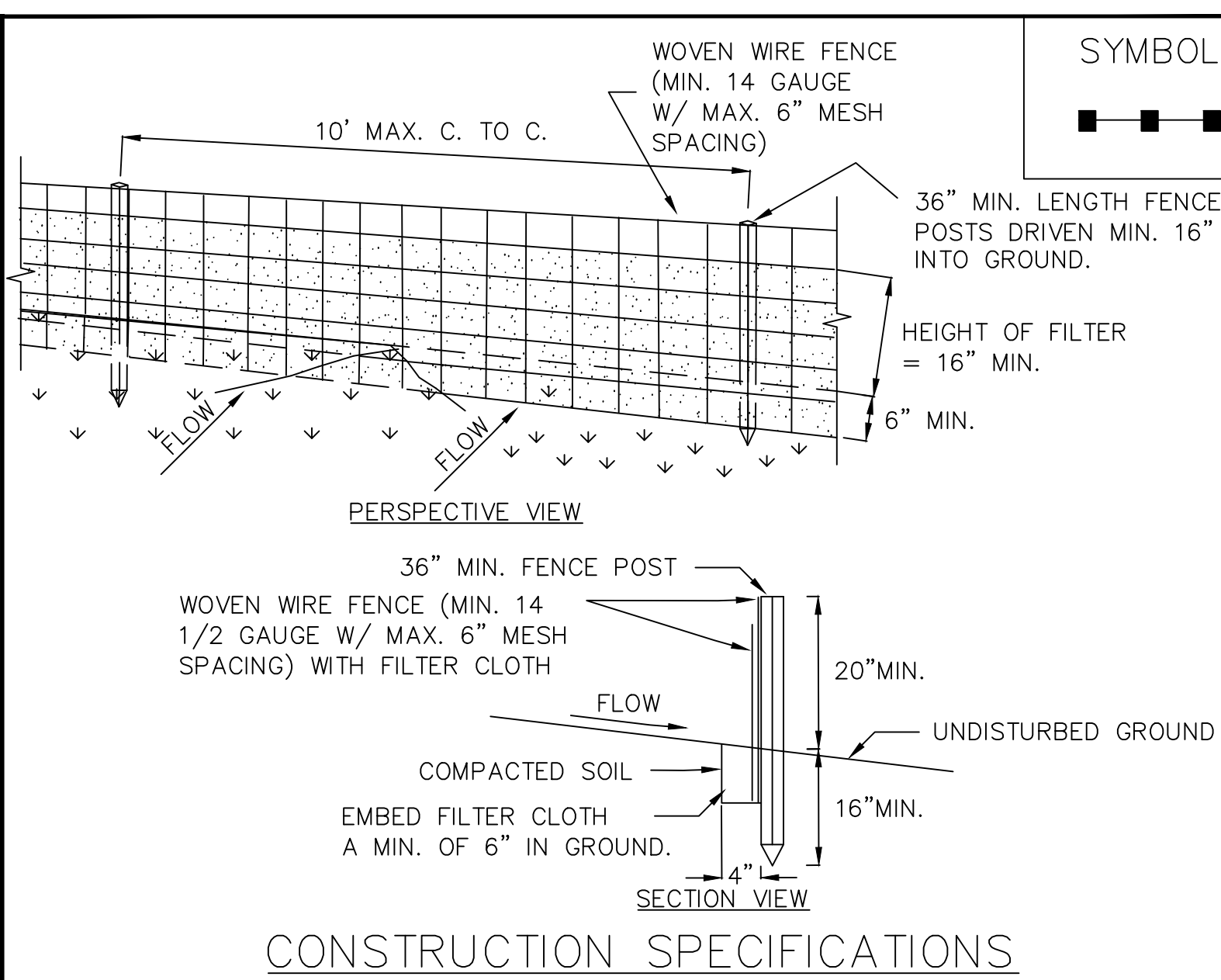
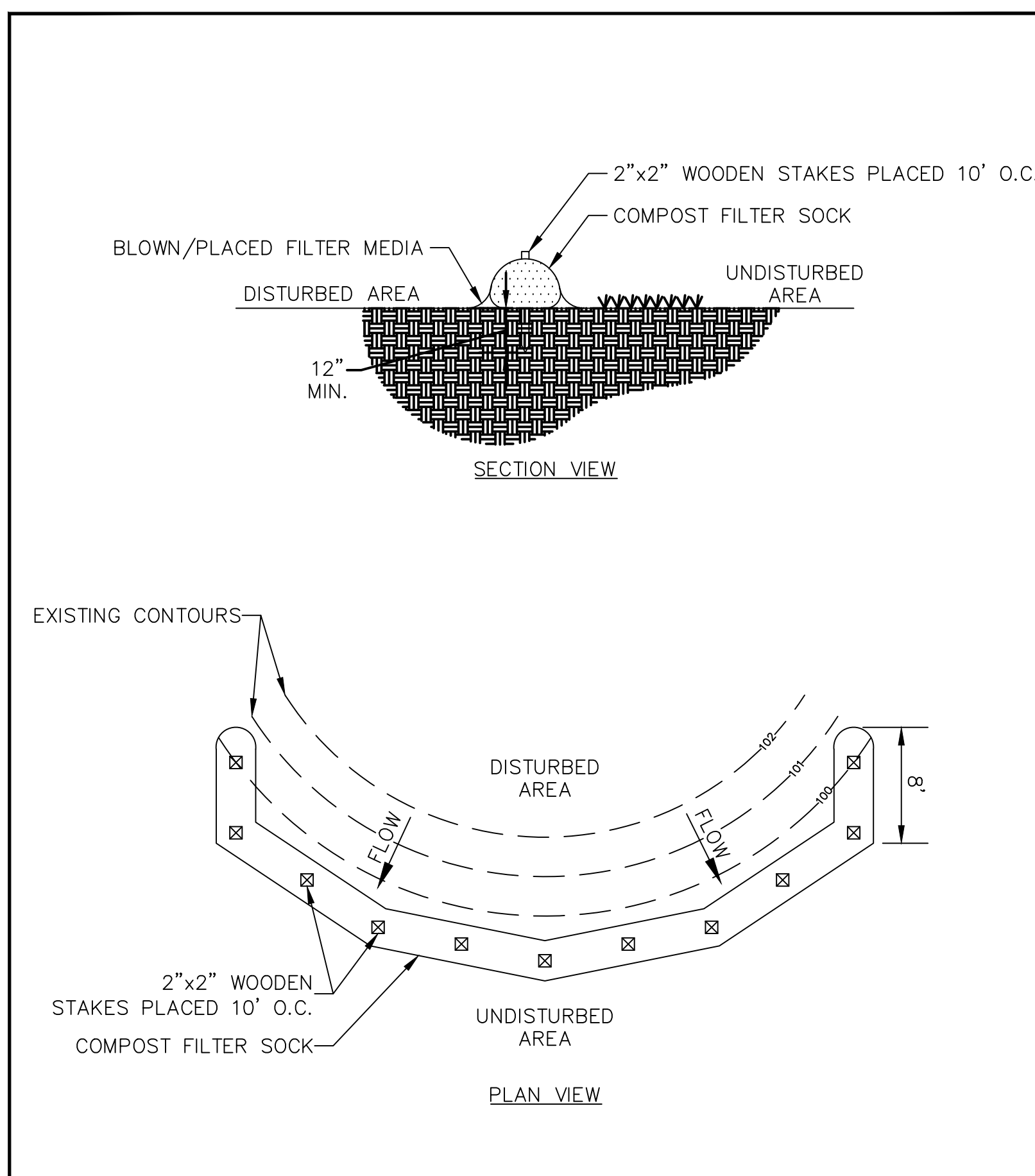
Permit/Seal



Client/Project
 Pfizer Global Research and Development
 Hamilton BIOS #2 Addition
 Pearl River, NY
 Title
 SITE LAYOUT PLAN

Project No. 20111246.S4N
 Scale 1"=10'
 Revision 0 Drawing No. CS-101

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ADAPTED FROM DETAILS PROVIDED BY: FILTREXX

COMPOST FILTER SOCK

- SOCK FABRIC SHALL MEET STANDARDS OF TABLE 5.1. COMPOST SHALL MEET THE STANDARDS LISTED ON OF TABLE 5.2.
- COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT (REFER 5.2). MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE XX. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
- TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVEGROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
- SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

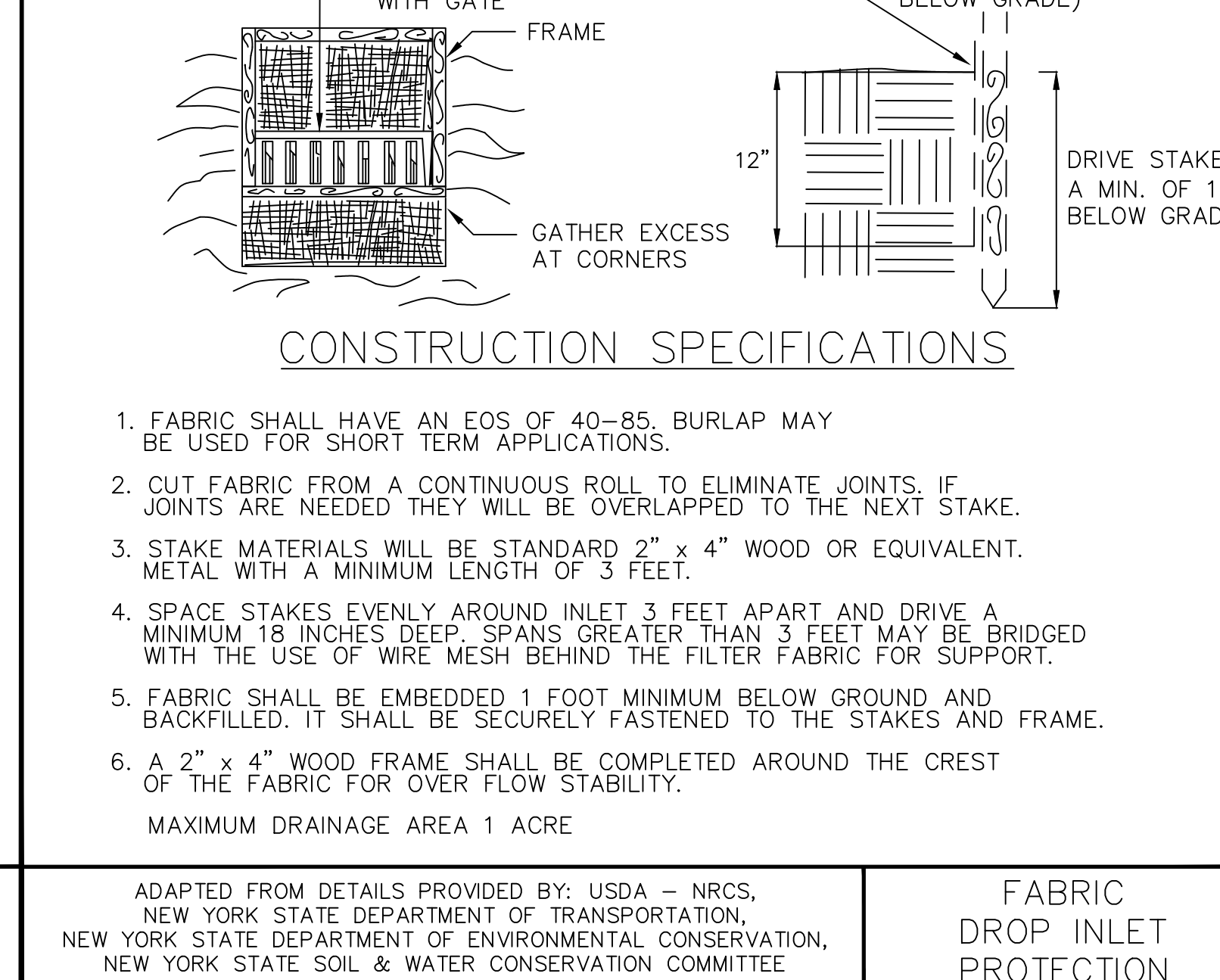
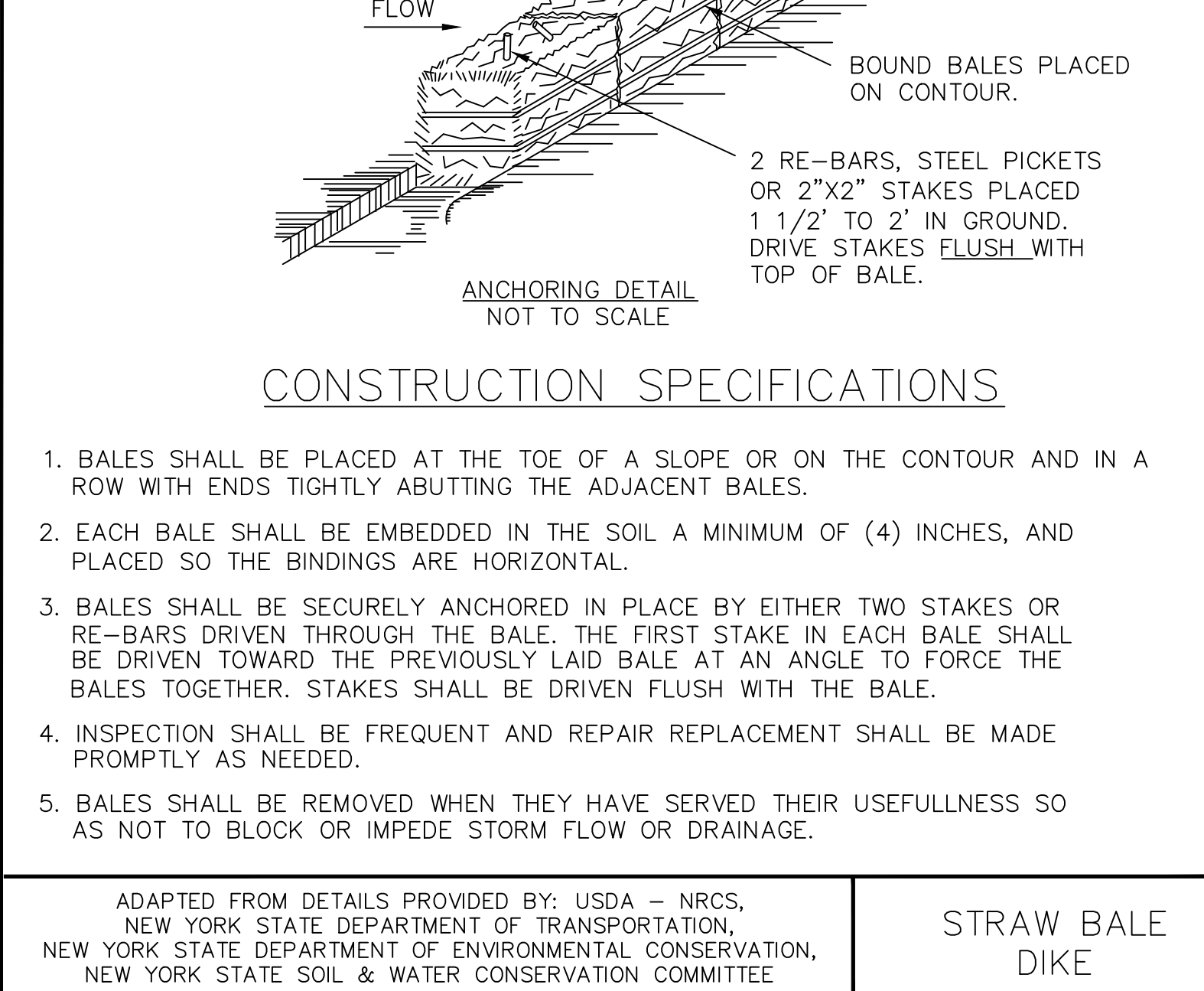
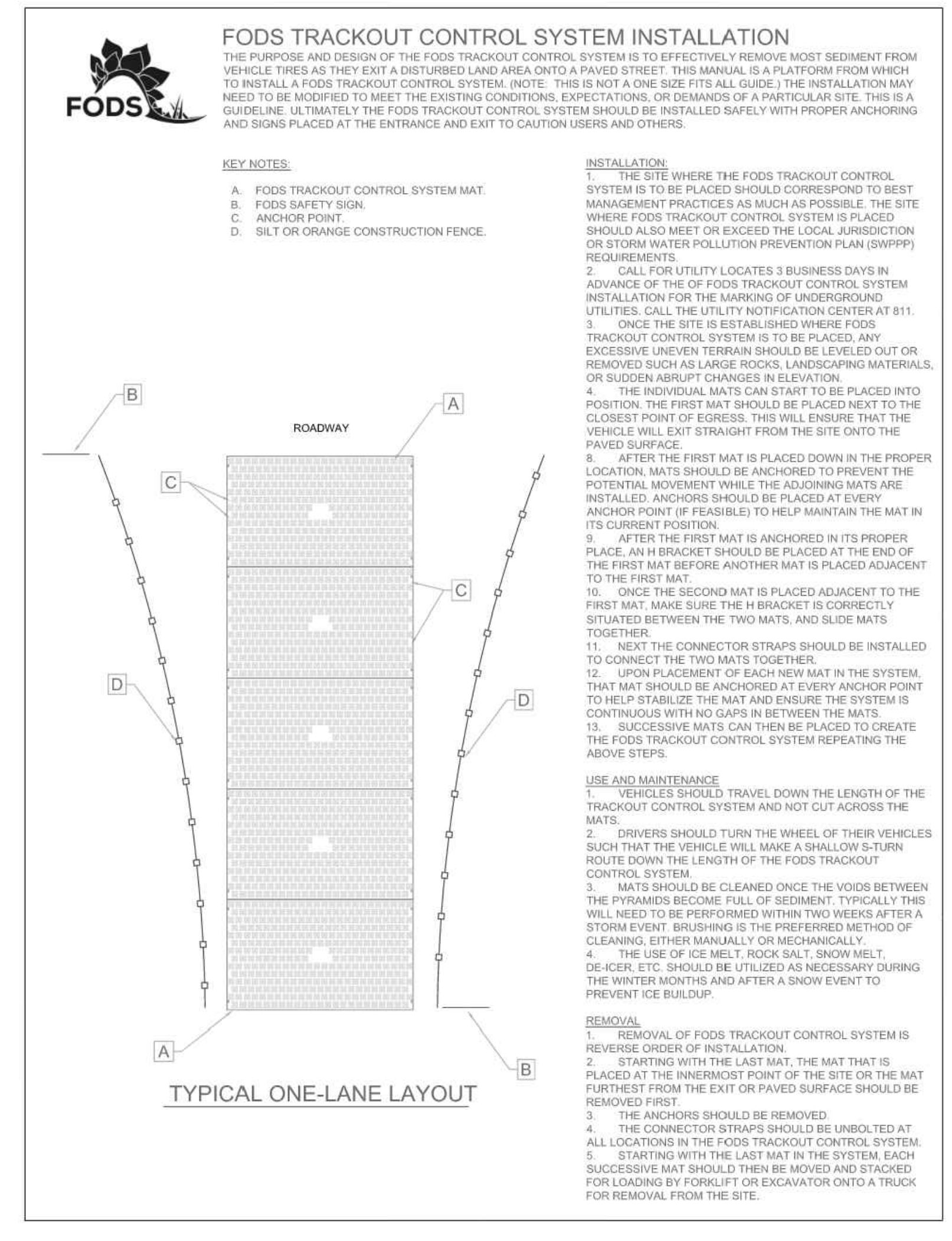
SILT FENCE

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

STONE & BLOCK DROP INLET PROTECTION

- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
- HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
- USE CLEAN STONE OR GRAVEL 1/2"-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
- FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.



ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

CONSTRUCTION ENTRANCE MUD MATS

NOT TO SCALE

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

STRAW BALE DIKE

- BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
- INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

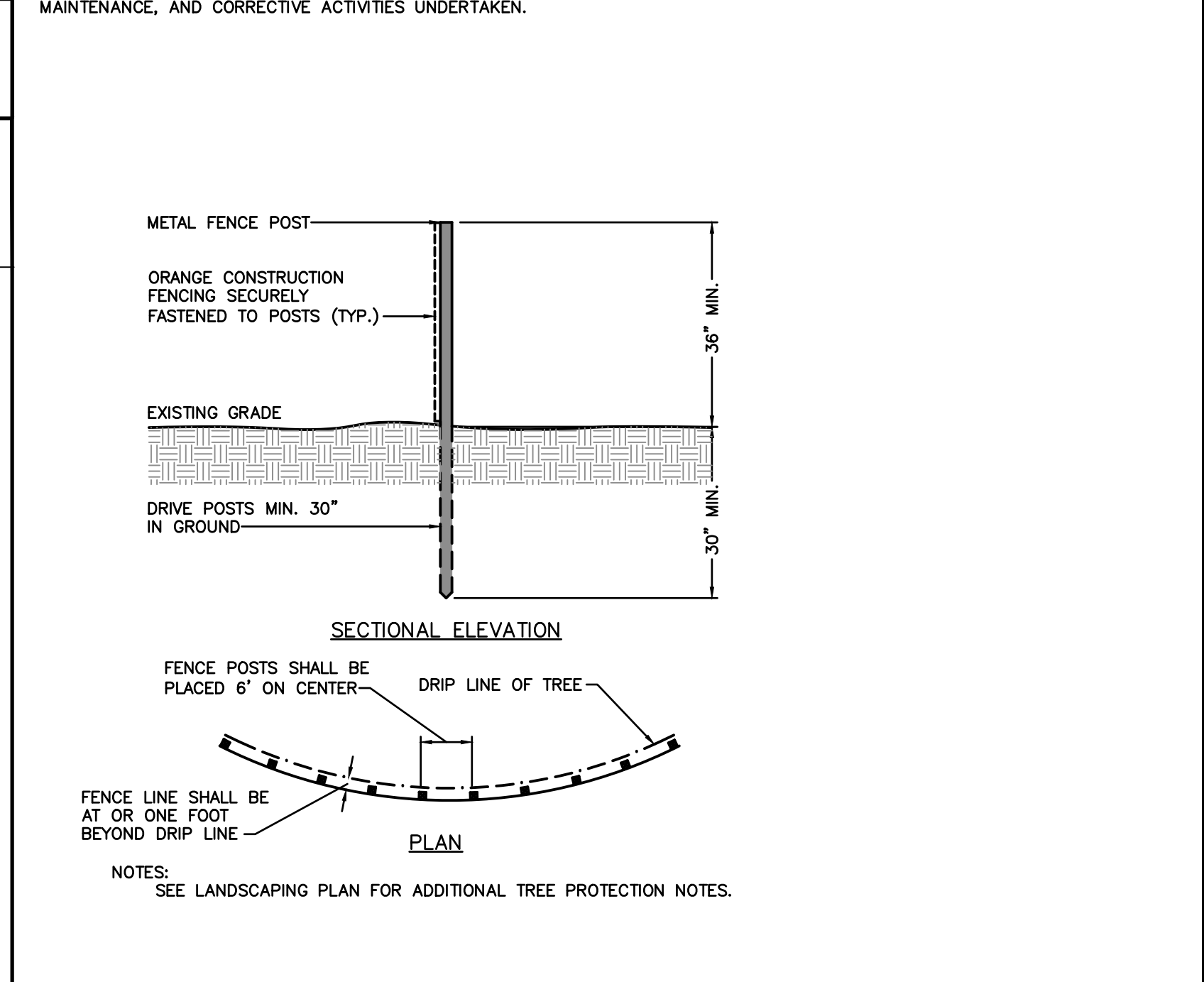
ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

FABRIC DROP INLET PROTECTION

- FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
- SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

EROSION & SEDIMENT CONTROL NOTES

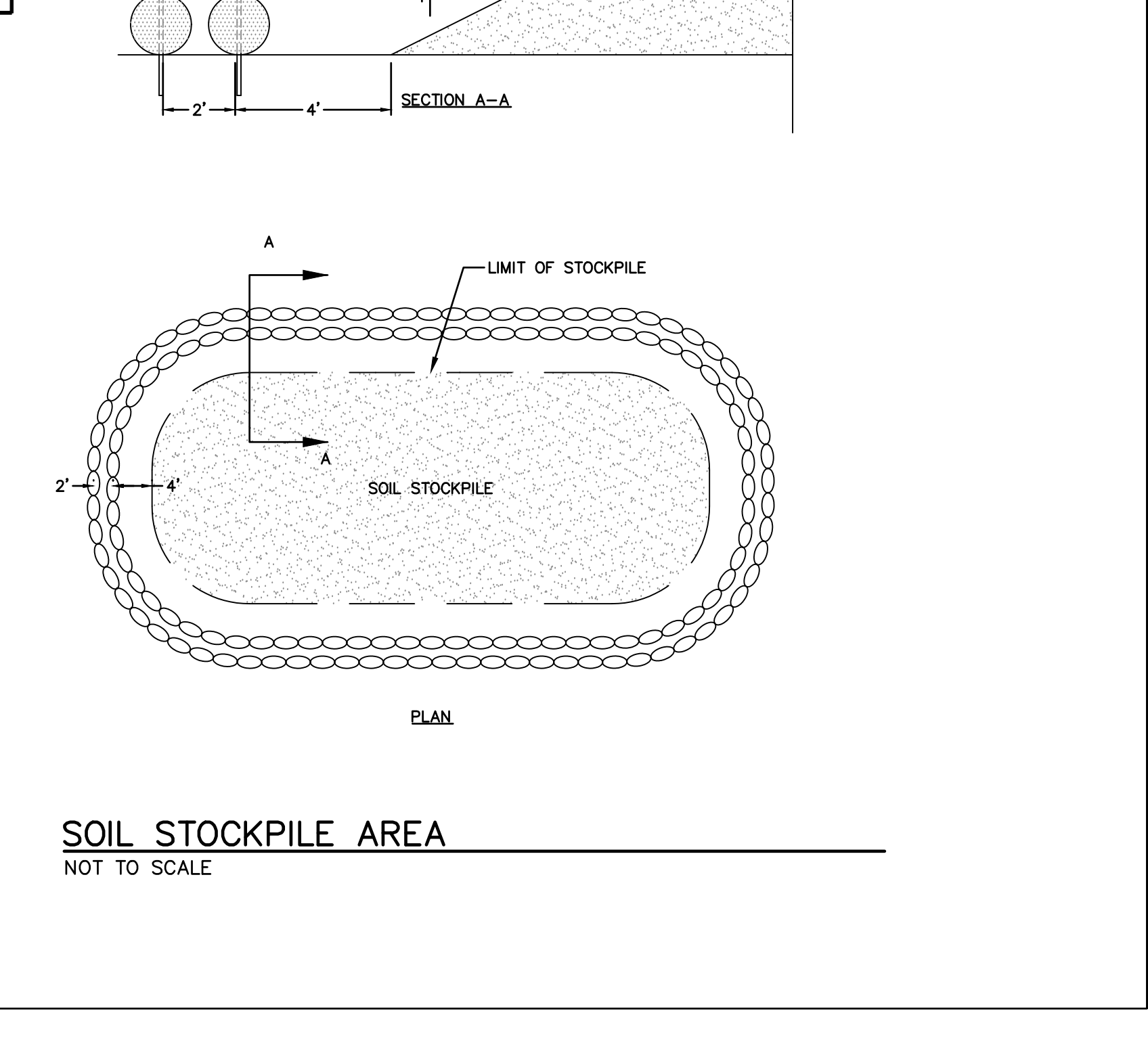
- CONSTRUCTION STANDARDS - CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE MOST RECENT EDITION OF THE "NEW YORK STATE STANDARDS FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK)" DATED NOVEMBER, 2016. ALL MEASURES SHALL BE MAINTAINED AND UPGRADED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION.
- PLAN IMPLEMENTATION - IMPLEMENT THIS EROSION AND SEDIMENT CONTROL PLAN. THIS IMPLEMENTATION INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES UNTIL PERMANENT STABILIZATION IS ACHIEVED. INFORMING ALL SUBCONTRACTORS OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER MUNICIPAL AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN TO THE NEW OWNER IF THE TITLE OF THE LAND IS TRANSFERRED PRIOR TO ACHIEVING PERMANENT STABILIZATION.
- INSTALLATION SCHEDULE - INSTALL THE CONSTRUCTION ENTRANCE BEFORE CONSTRUCTION TRAFFIC ENTERS AND OUT OF THE PROJECT AREA BEGINS. INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO STUMP REMOVAL AND CONSTRUCTION. INSTALL ADDITIONAL CONTROL MEASURES DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER, HIS AGENTS OR AGENTS OF THE MUNICIPALITY.
- FUGITIVE DUST - CONTROL FUGITIVE DUST USING WATER SPRAYS OR CALCIUM CHLORIDE ON SOIL SURFACES. SWEEPING PAVED AREAS, TEMPORARY WINDBREAKS OR NON-ASPHALTIC SOIL TACKIFIERS.
- STRAW BALE LIFE SPAN - INSTALL STRAW BALES WHERE PROTECTION AND EFFECTIVENESS IS REQUIRED FOR LESS THAN 90 DAYS. OTHERWISE, INSTALL SILT FENCE.
- CATCH BASINS - PROTECT CATCH BASINS WITH PROPER CONTROLS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
- STOCKPILES - ENFORCE STOCKPILES OF ERODIBLE SOIL WITH A STRAW BALE OR SILT FENCE BARRIER. THE SIDE SLOPES OF ERODIBLE STOCKPILED MATERIAL SHALL BE NO STEEPER THAN 2:1. STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS SHALL BE SEEDED AND MULCHED IMMEDIATELY AFTER THEY ARE FORMED.
- TOE OF SLOPE - ESTABLISH AN EROSION CONTROL BARRIER (SILT FENCE OR COMPOST FILTER SOCK) APPROXIMATELY 5 TO 10 FEET FROM THE PROPOSED TOE OF THE CUT OR FILL AREA PRIOR TO BEGINNING EARTHWORK.
- SEDIMENT REMOVAL - SEDIMENT REACHING 1/2 THE HEIGHT OF THE EROSION CONTROL BARRIER SHALL BE REMOVED. REMOVE AND DISPOSE OF SEDIMENT IN A MANNER CONSISTENT WITH THE INTENT OF THE PLAN.
- SOIL STABILIZATION SCHEDULE - APPLY PERMANENT SOIL STABILIZATION MEASURES TO ALL GRADED AREAS WITHIN 7 DAYS OF ESTABLISHING FINAL GRADE. APPLY TEMPORARY SOIL STABILIZATION MEASURES IF FINAL GRADING IS TO BE DELAYED MORE THAN 30 DAYS.
- TEMPORARY SEEDING - TEMPORARILY SEED ERODIBLE SOILS THAT WILL BE EXPOSED GREATER THAN 1 BUT LESS THAN 12 MONTHS WITHIN THE FIRST 7 DAYS OF SUSPENDING GRADING OPERATIONS. APPLY LIME AT A RATE OF 90 LBS/1000 SQ. FT. APPLY 10-10-10 FERTILIZER AT A RATE OF 7 LBS/1000 SQ. FT. APPLY PERENNIAL RYE GRASS AT A RATE OF 2 LBS/1000 SQ. FT. TO A DEPTH OF 1/4 INCH. OPTIMUM SEEDING DATES ARE MARCH 15 TO JULY 1 AND AUGUST 1 TO OCTOBER 15. MULCH FOR SEED APPLIED WITHIN THE OPTIMUM SEEDING DATES SHALL BE APPLIED EVENLY SUCH THAT IT PROVIDES 80%-90% SOIL COVERAGE. MULCH FOR SEED APPLIED OUTSIDE OF THE OPTIMUM SEEDING DATES SHALL BE APPLIED EVENLY SUCH THAT IT PROVIDES 95%-100% COVERAGE.
- PERMANENT SEEDING - SEED PERMANENT LAWN AREAS IN ACCORDANCE WITH THE SPECIFICATIONS.
- INSPECTION - THE OWNER SHALL SECURE THE SERVICES OF A SOIL SCIENTIST OR PROFESSIONAL ENGINEER TO VERIFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED AND MAINTAINED. THESE INSPECTIONS SHALL BE NOT LESS FREQUENTLY THAN WEEKLY AND WITHIN 24 HOURS OF THE END OF A STORM HAVING A RAINFALL AMOUNT OF 0.1 INCH OR GREATER. FOLLOWING THESE INSPECTIONS, A WRITTEN REPORT SHALL BE PREPARED, INFORMING THE OWNER OR HIS AGENT NOT LESS FREQUENTLY THAN WEEKLY AND THE MUNICIPALITY NOT LESS FREQUENTLY THAN MONTHLY OF OBSERVATIONS, MAINTENANCE, AND CORRECTIVE ACTIVITIES UNDERTAKEN.



ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

FABRIC DROP INLET PROTECTION

- REMOVE HARDEN CONCRETE WHEN WITHIN 4" FROM TOP OF STRUCTURE.
- CONSTRUCT NEW FACILITIES ONCE CURRENT FACILITIES ARE TWO-THIRDS FULL.
- LINEAS, HAYBALES, ETC. SHALL BE INSPECTED FOR DAMAGE ANY DAMAGE SHALL BE REPAIR PROMPTLY.



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2	Issued/Revision	By	App'd	YYYY.MM.DD
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Client/Project
Pfizer Global Research and Development

Hamilton BIOS #2 Addition

Pearl River, NY

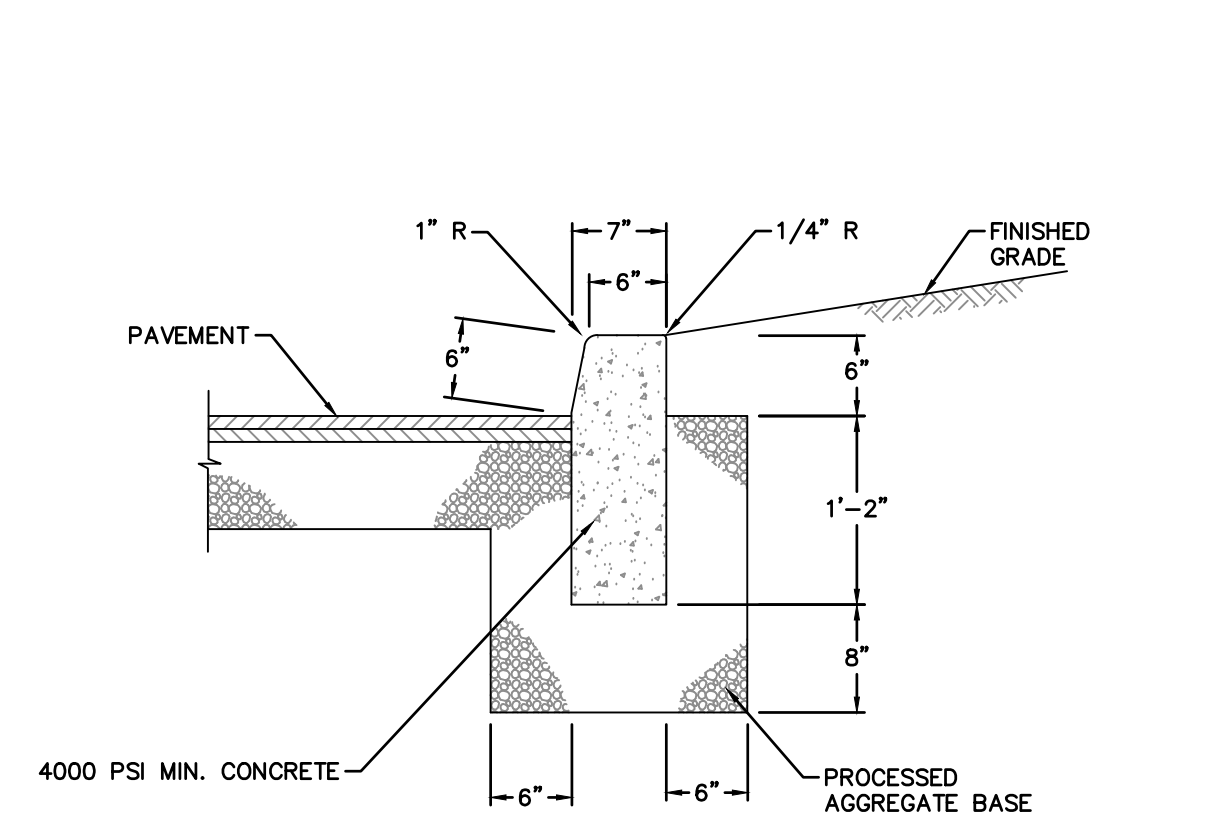
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Project No.
20111246.S4N

Scale
NOT TO SCALE

Revision
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Drawing No.
CD-501

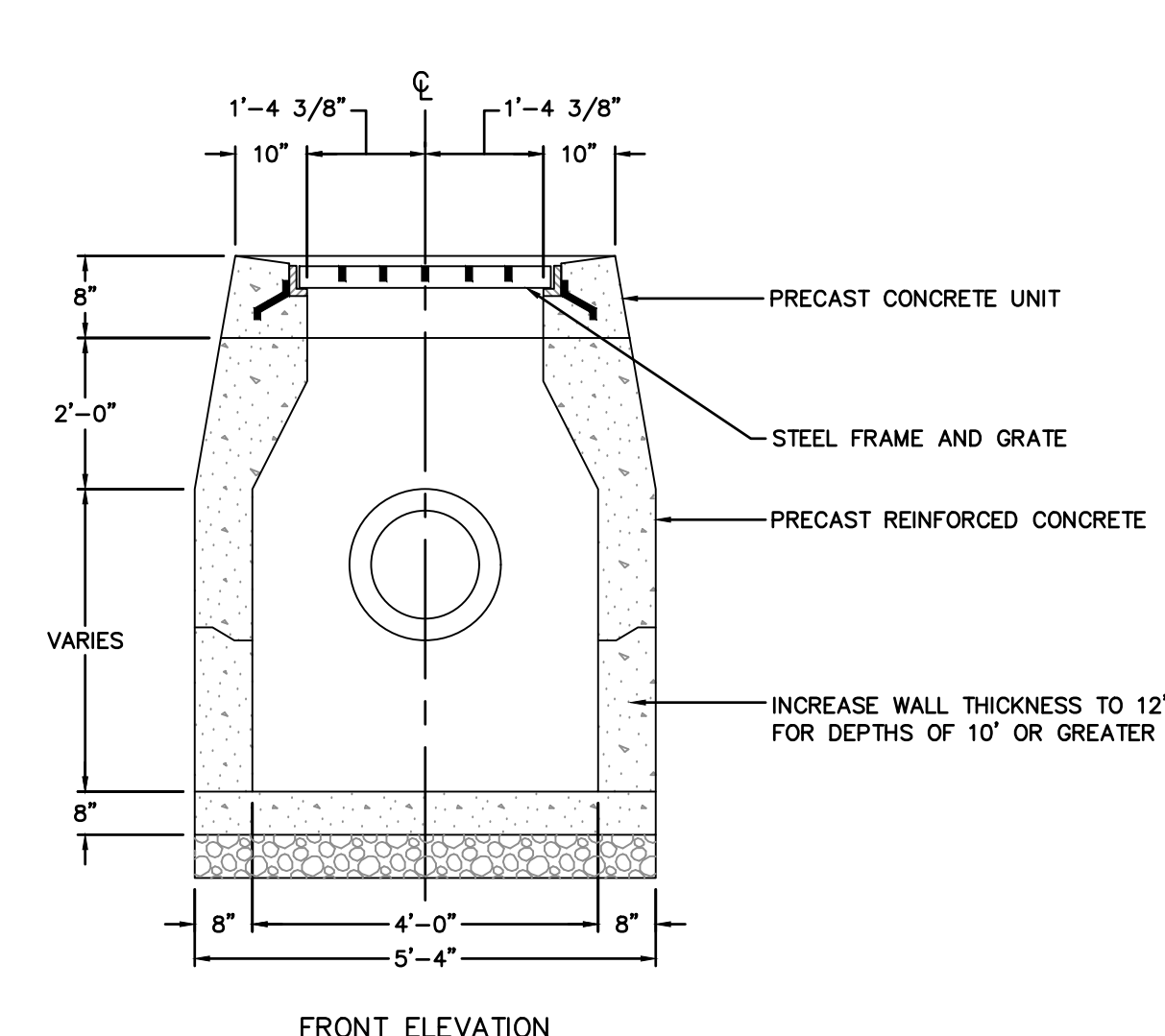
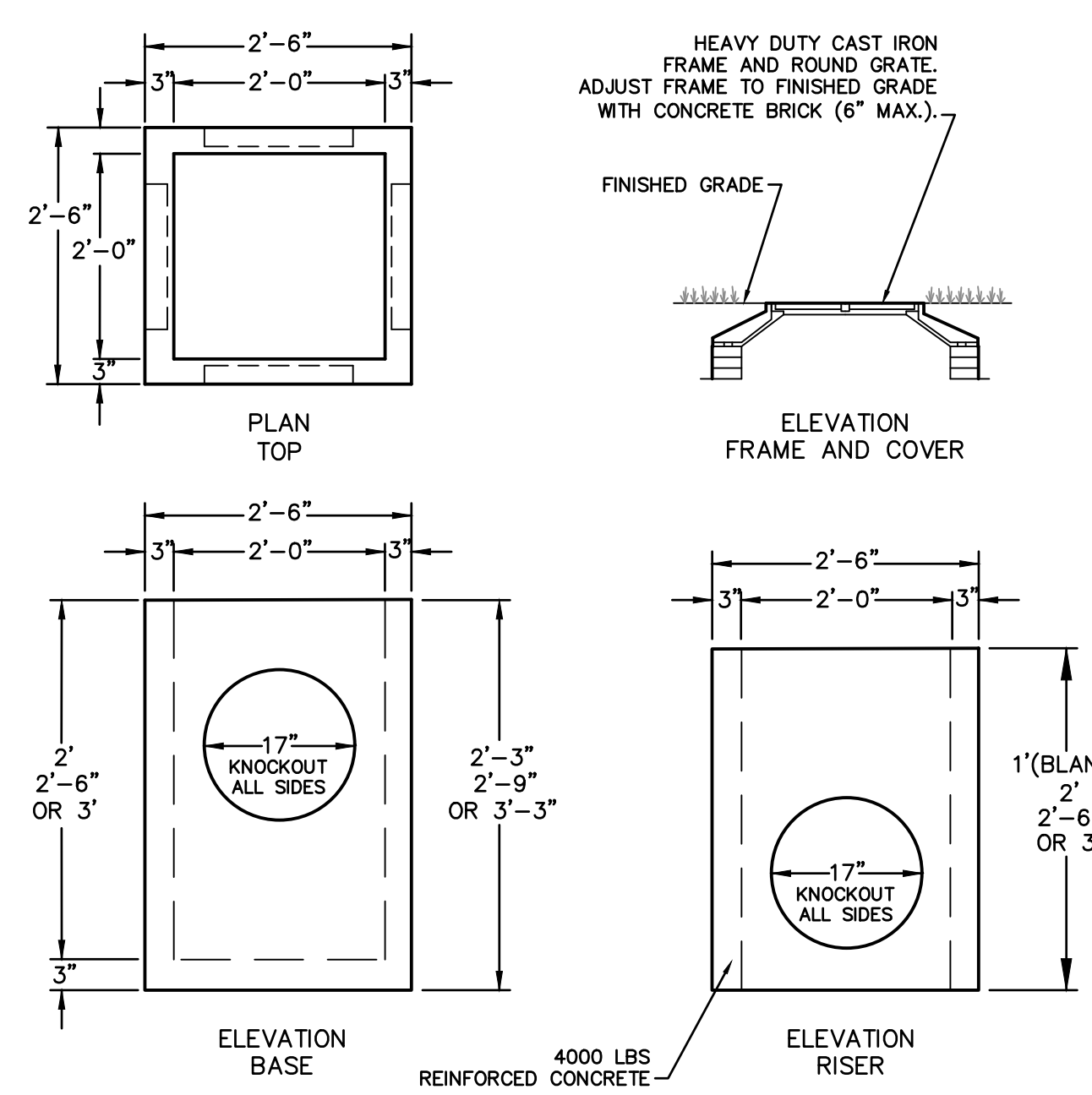


- NOTES**
1. SEAL JOINTS BETWEEN NEW AND EXISTING ASPHALT WITH LIQUID TACK-COAT.

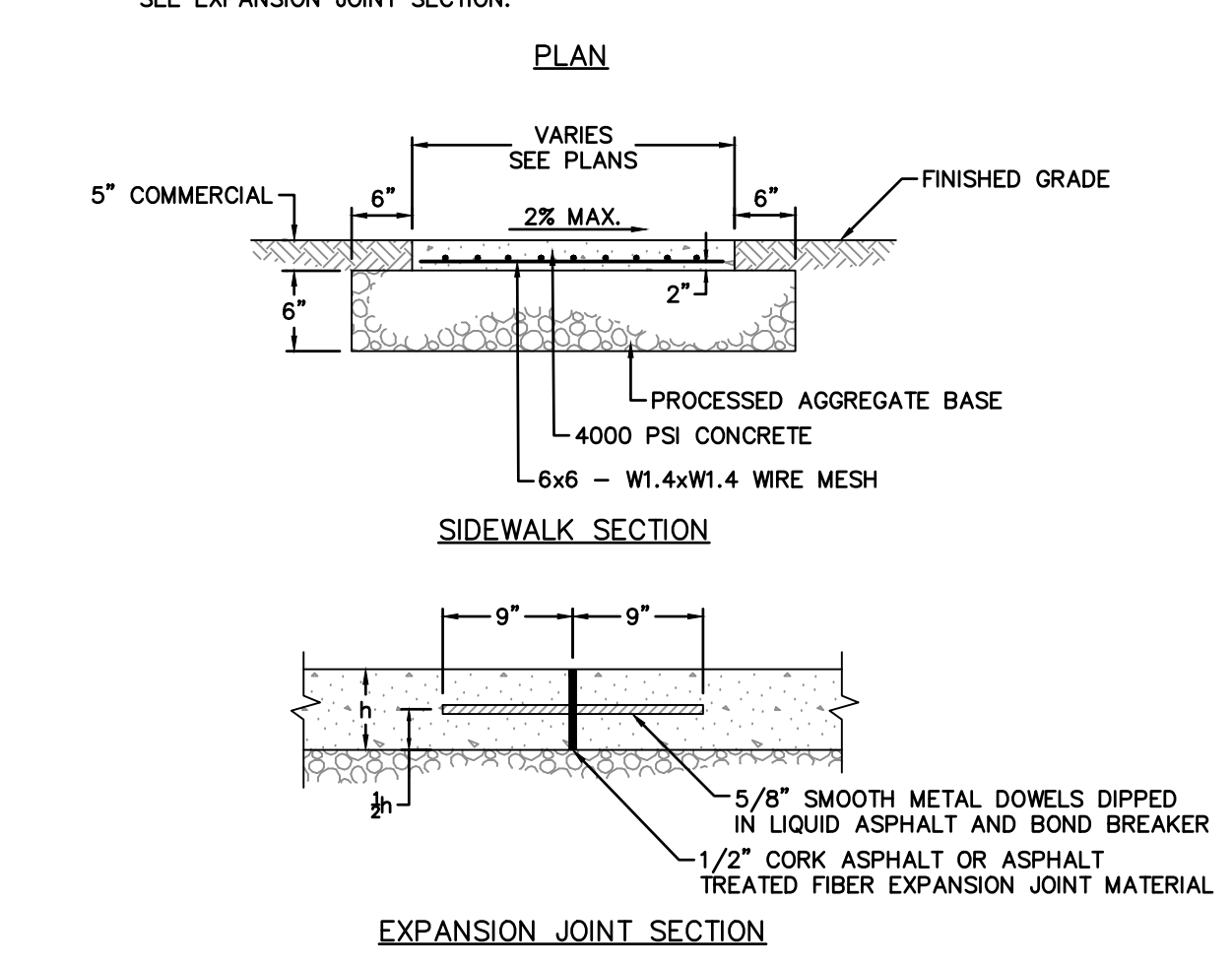
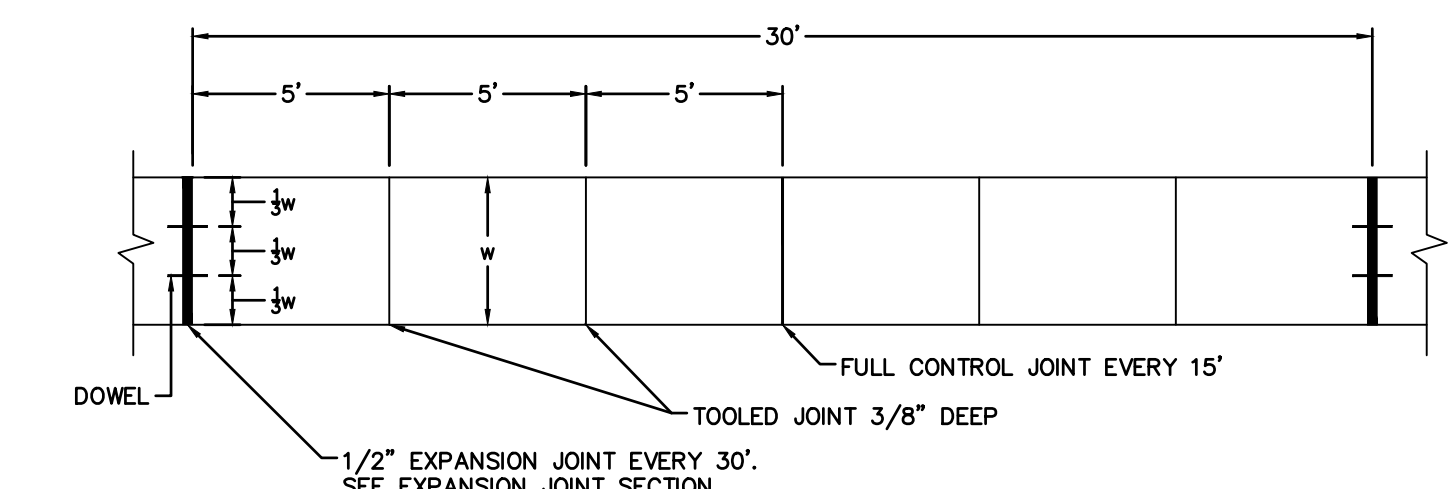
BITUMINOUS CONCRETE PAVEMENT (HEAVY DUTY)
NOT TO SCALE

- NOTES**
1. 1 INCH DEEP BEVELED JOINT AT TOP AND FACE OF CURB EVERY 10 FEET.
 2. 1/2 INCH EXPANSION JOINT AND FILLER EVERY 30 FEET.
 3. 1/2 INCH EXPANSION JOINT AND FILLER WHEN CURB IS ADJACENT TO CONCRETE SIDEWALK.

CONCRETE CURB
NOT TO SCALE

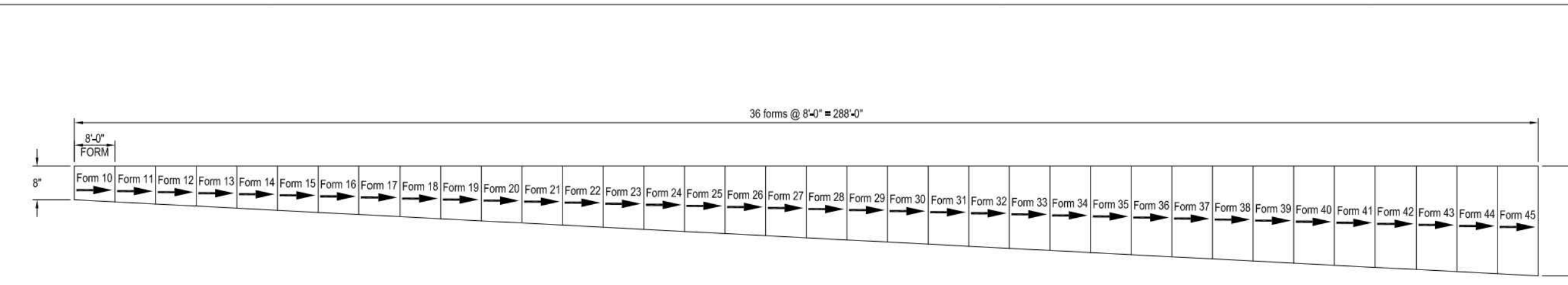
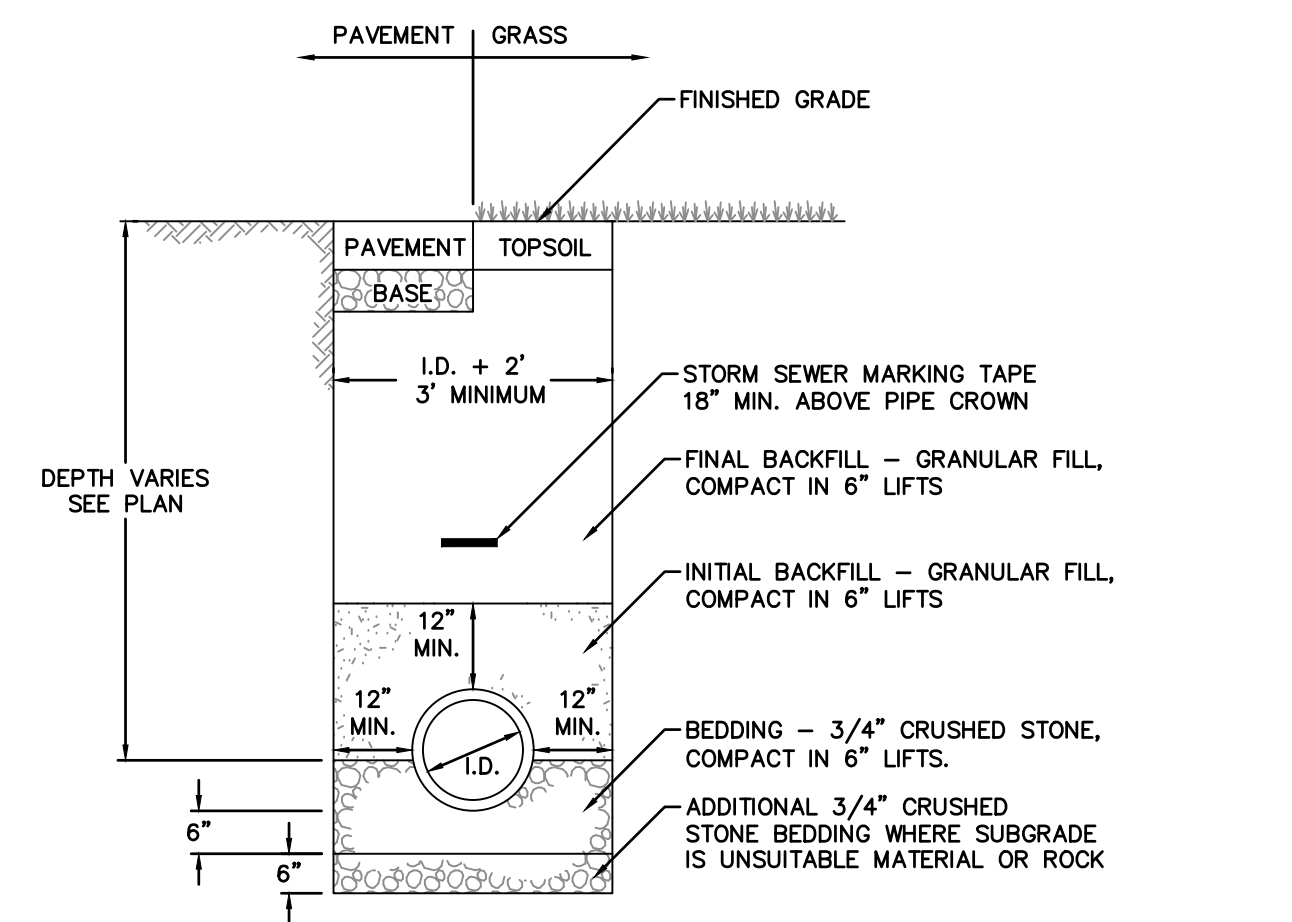


PRECAST CONCRETE CATCH BASIN
NOT TO SCALE



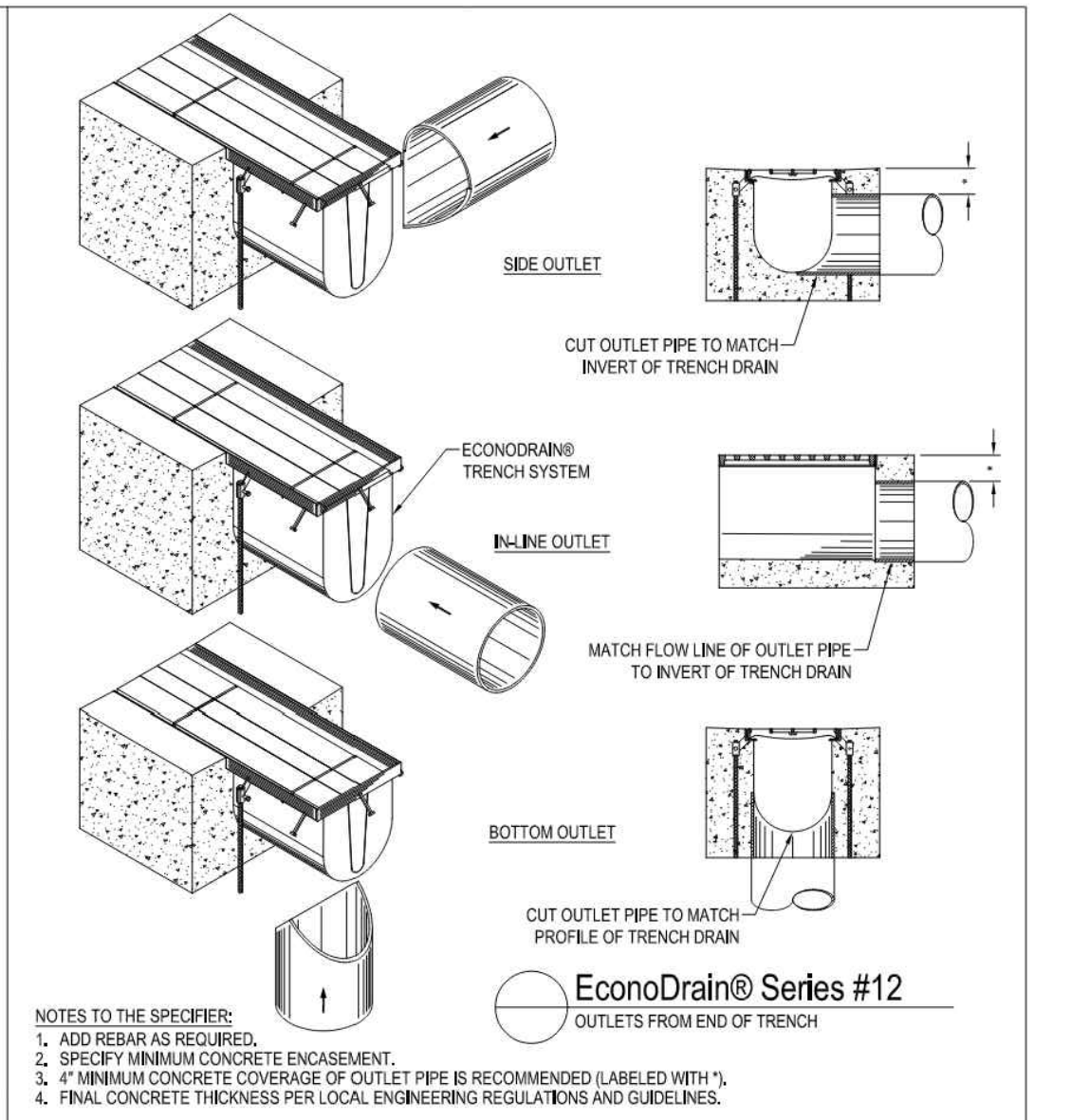
CONCRETE SIDEWALK
NOT TO SCALE

YARD DRAIN (HEAVY DUTY)
NOT TO SCALE

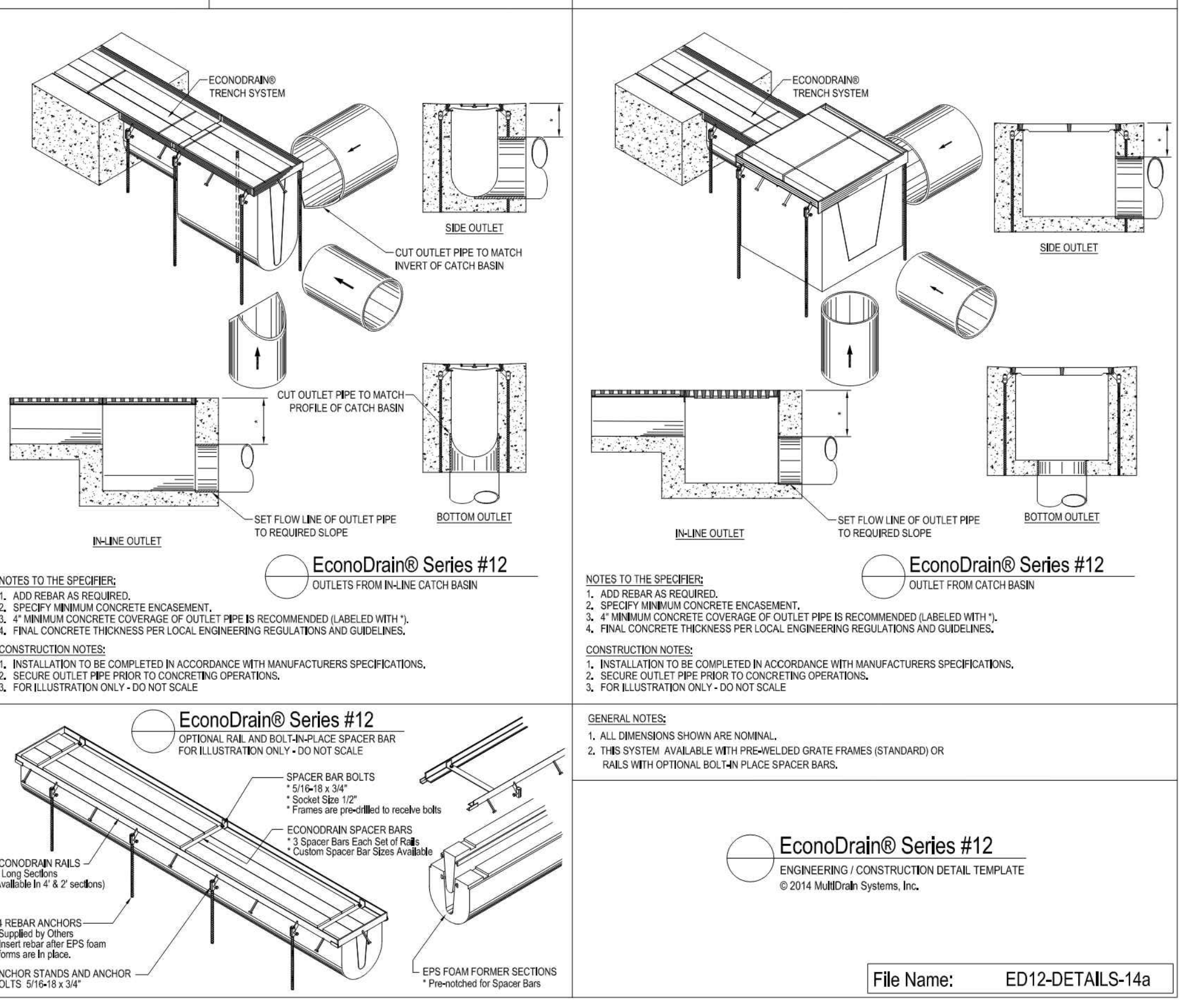
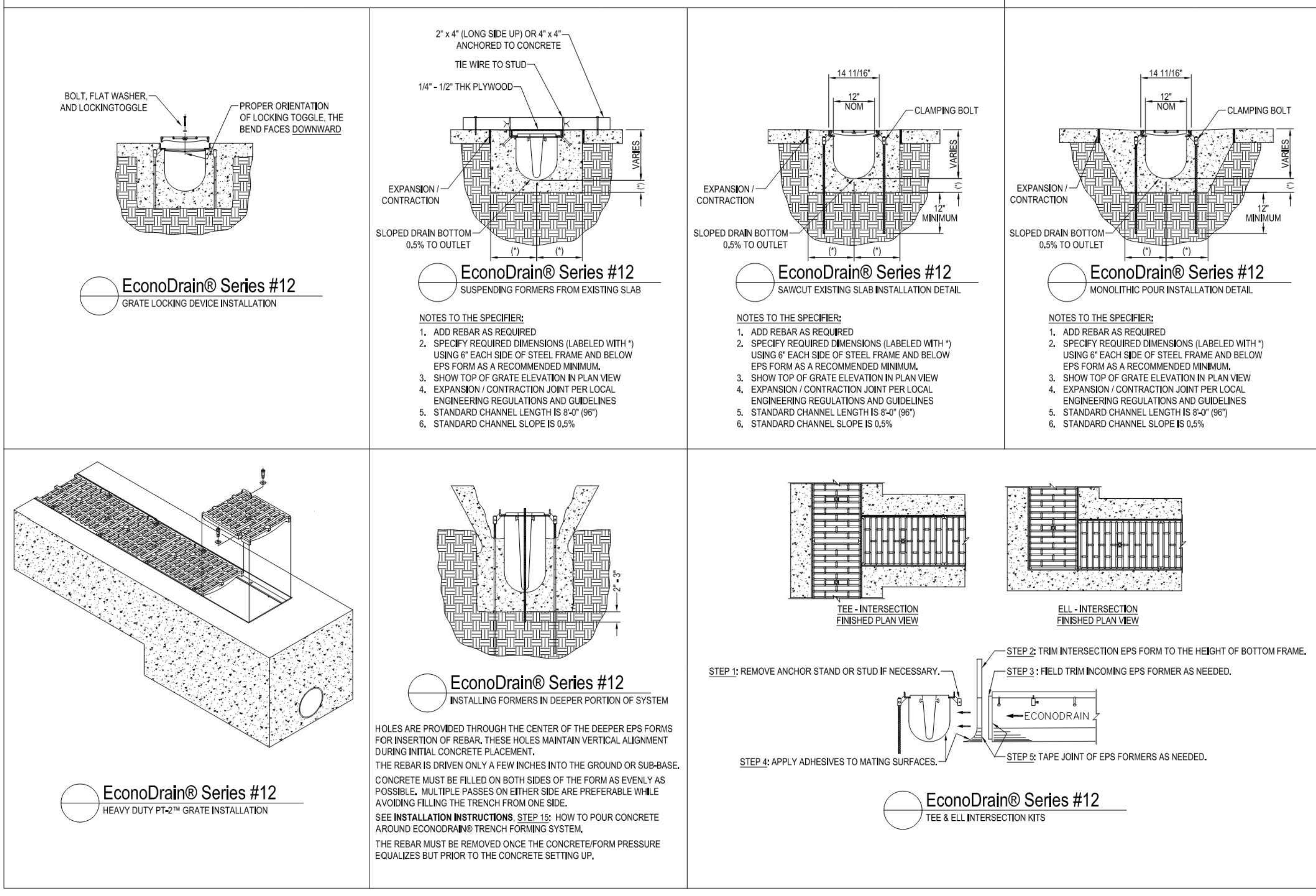


EconoDrain® Series #12
STANDARD EPS FORMS

EPS FORM	DEPTH		FLOW GPM
	MIN	MAX	
10	8 1/2"	8 1/2"	743
11	9 1/2"	9"	829
12	10 1/2"	10"	915
13	11 1/2"	11"	1003
14	12 1/2"	12"	1091
15	13 1/2"	13"	1180
16	14 1/2"	14"	1269
17	15 1/2"	15"	1359
18	16 1/2"	16"	1450
19	17 1/2"	17"	1541
20	18 1/2"	18"	1633
21	19 1/2"	19"	1725
22	20 1/2"	20"	1817
23	21 1/2"	21"	1910
24	22 1/2"	22"	2002
25	23 1/2"	23"	2095
26	24 1/2"	24"	2189
27	25 1/2"	25"	2282
28	26 1/2"	26"	2376
29	27 1/2"	27"	2470
30	28 1/2"	28"	2564
31	29 1/2"	29"	2658
32	30 1/2"	30"	2753
33	31 1/2"	31"	2847
34	32 1/2"	32"	2942
35	33 1/2"	33"	3038
36	34 1/2"	34"	3133
37	35 1/2"	35"	3228
38	36 1/2"	36"	3321
39	37 1/2"	37"	3416
40	38 1/2"	38"	3511
41	39 1/2"	39"	3607
42	40 1/2"	40"	3702
43	41 1/2"	41"	3798
44	42 1/2"	42"	3893
45	43 1/2"	43"	3989



STORM SEWER TRENCH
NOT TO SCALE



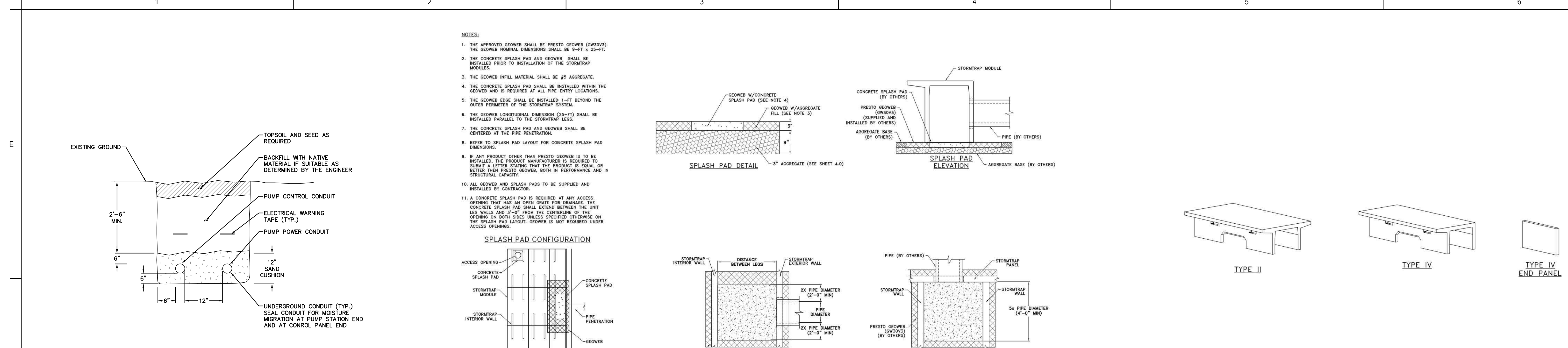
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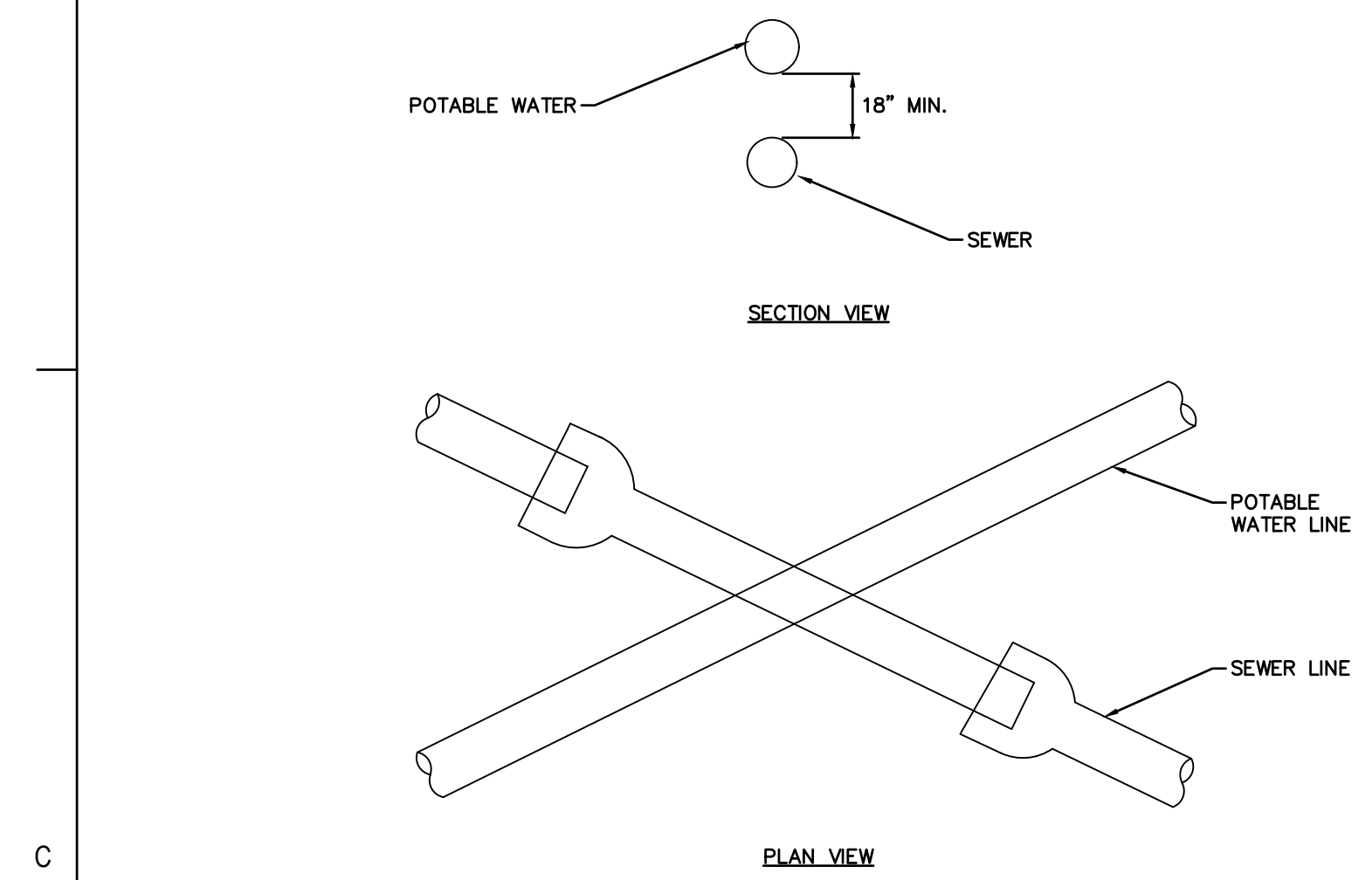
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Pfizer
Client/Project
Pfizer Global Research and Development

Hamilton BIOS #2 Addition
Pearl River, NY
Title
SITE DETAILS

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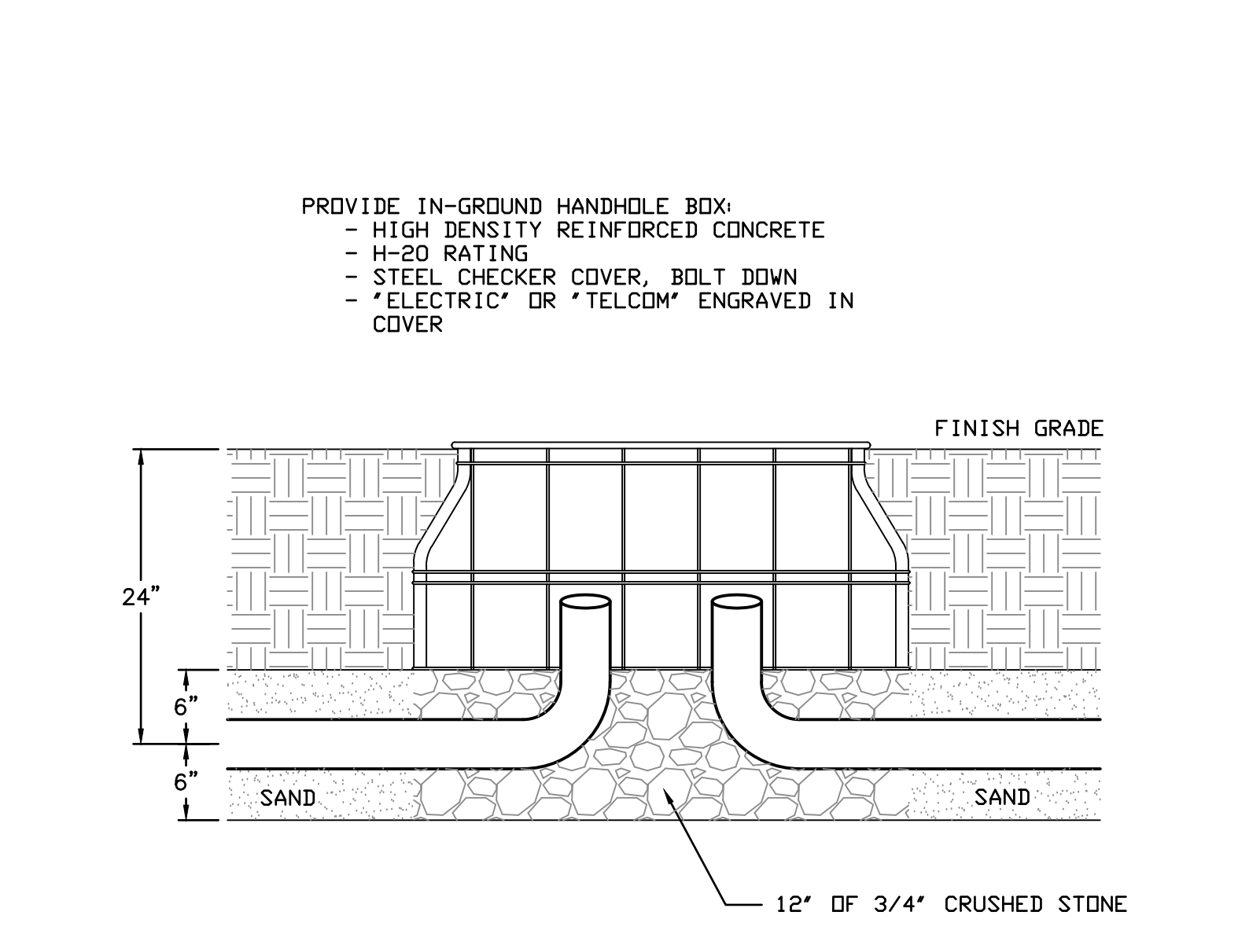
UNDERGROUND CONDUIT TRENCH NOTES
1. INSTALL ELECTRICAL MARKING TAPE ABOVE THE ELECTRIC CONDUIT AND BURIED ELECTRIC WIRING.



SEWER AND WATER CROSSING NOTES
1. SEWER JOINTS SHALL BE EQUIDISTANT FROM AND LOCATED AS FAR AS POSSIBLE AWAY FROM THE WATER LINE.
2. IF THE VERTICAL SEPARATION BETWEEN THE BOTTOM OF THE WATER MAIN AND THE TOP OF THE SEWER IS LESS THAN 18 INCHES (WATER MAIN IS ABOVE SEWER), USE ONE OF THE FOLLOWING PROCEDURES: A) THE WATER MAIN SHALL BE RECONSTRUCTED FOR A DISTANCE OF 10 FEET ON EACH SIDE OF SEWER WITH RUBBER-GASKETED MECHANICAL JOINT PIPE ONE FULL LENGTH WATER MAIN SHOULD BE CENTERED OVER SEWER. B) CONSTRUCT BOTH THE WATER & SEWER PIPE OF RUBBER-GASKETED, GEMENT-LINED DUCTILE IRON PIPE OR EQUIVALENT AND PRESSURE TEST BOTH PIPES, OR C) ENCASE BOTH PIPES IN CONCRETE.

CROSSING OF SEWER & POTABLE WATER LINES NOT TO SCALE

STORMTRAP STORMWATER MANAGEMENT SYSTEM (CONT.) NOT TO SCALE

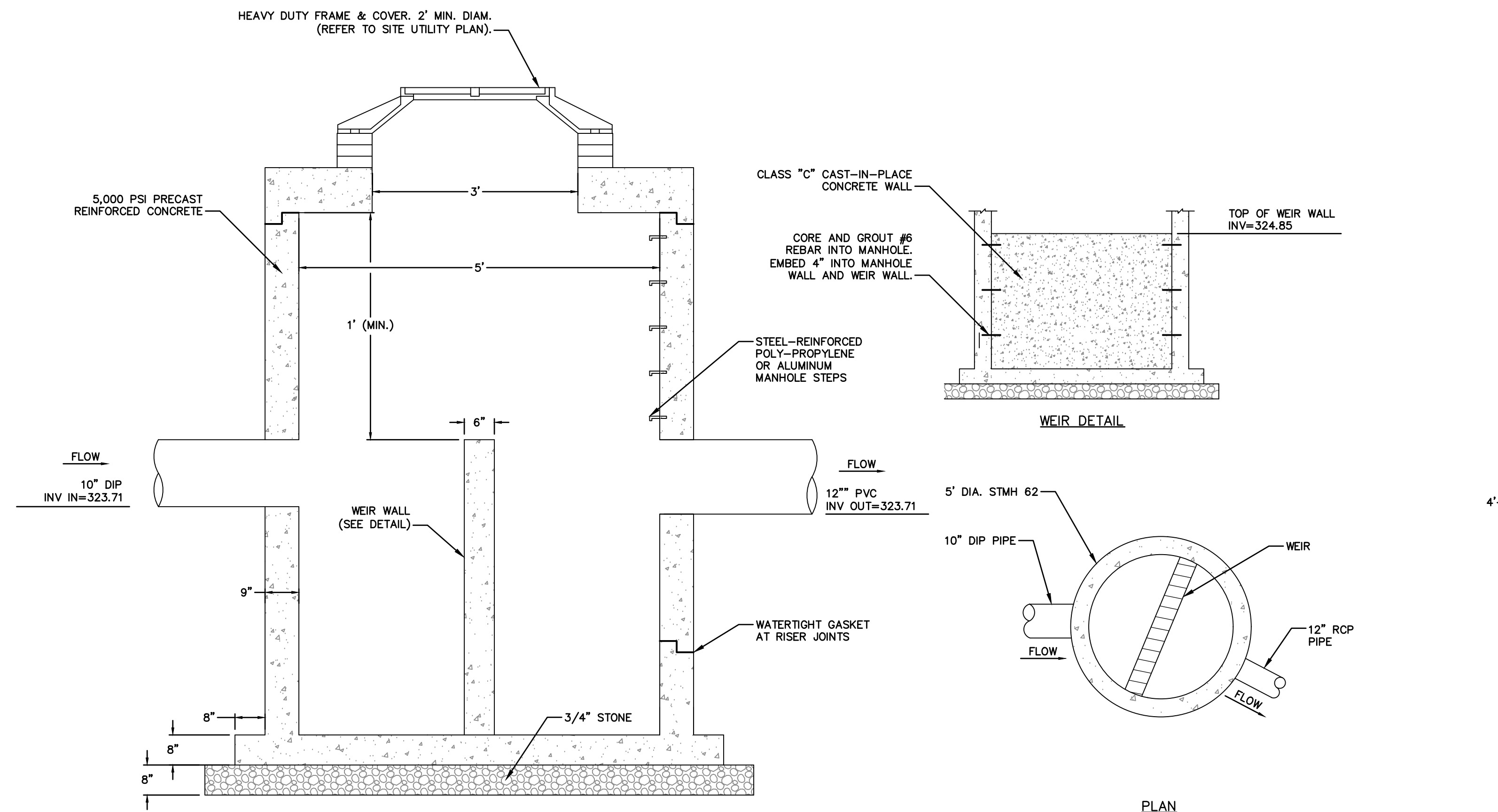


HANDHOLE NOT TO SCALE

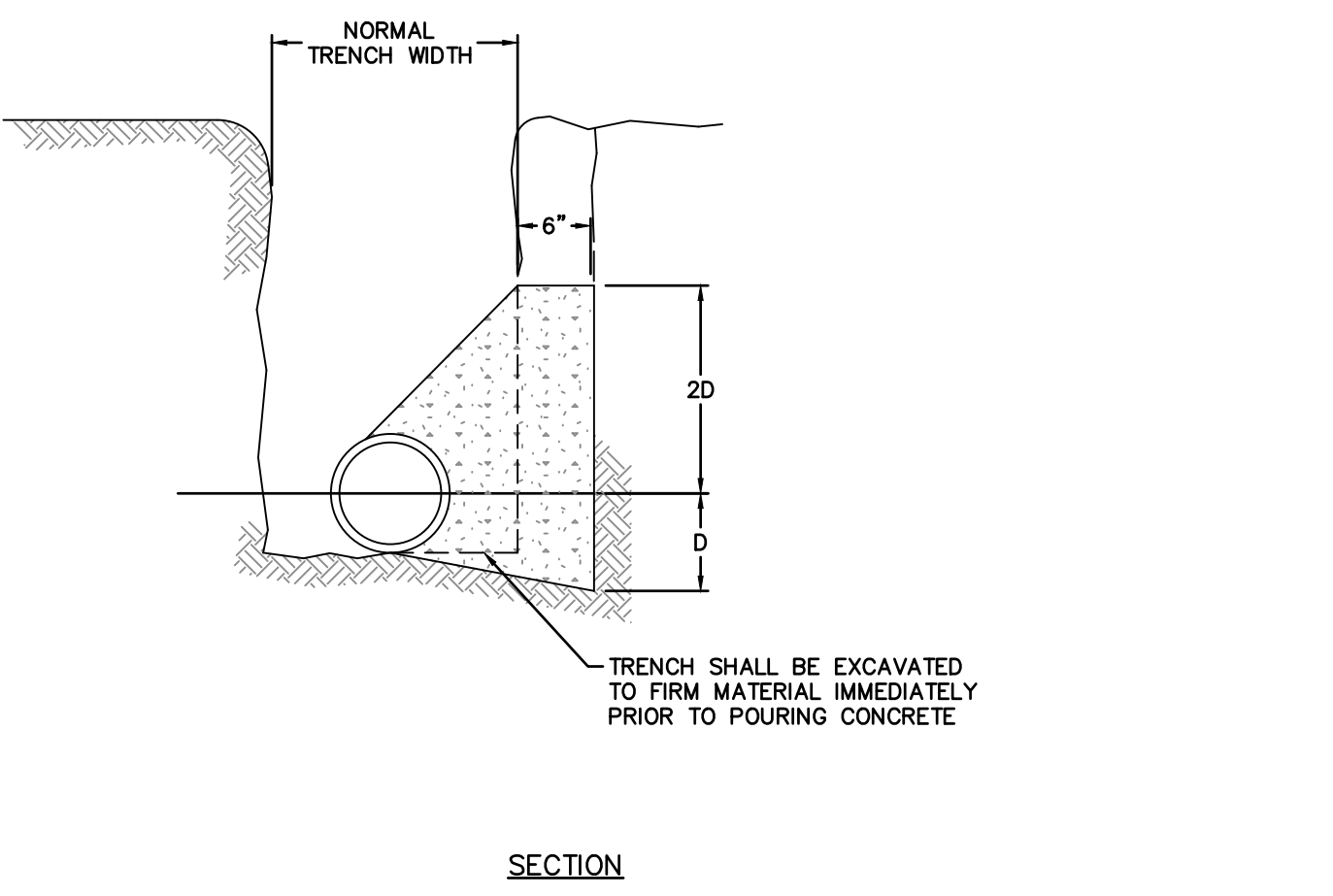
PIPE DIA. (INCHES)	MINIMUM THRUST BLOCK VOLUME (CUBIC YARDS)
4	0.2
6	0.25
8	0.3
10	0.35
12	0.4
16	0.7

PIPE DIA. (INCHES)	MINIMUM THRUST BLOCK VOLUME (CUBIC YARDS)
4	0.25
6	0.3
8	0.5
10	0.7
12	1.0
16	1.6

CONCRETE THRUST BLOCKS NOT TO SCALE



OUTLET CONTROL STRUCTURE STMH 7 NOT TO SCALE



WATER TRENCH SECTION NOT TO SCALE

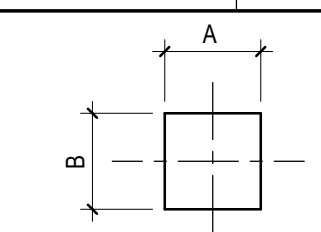
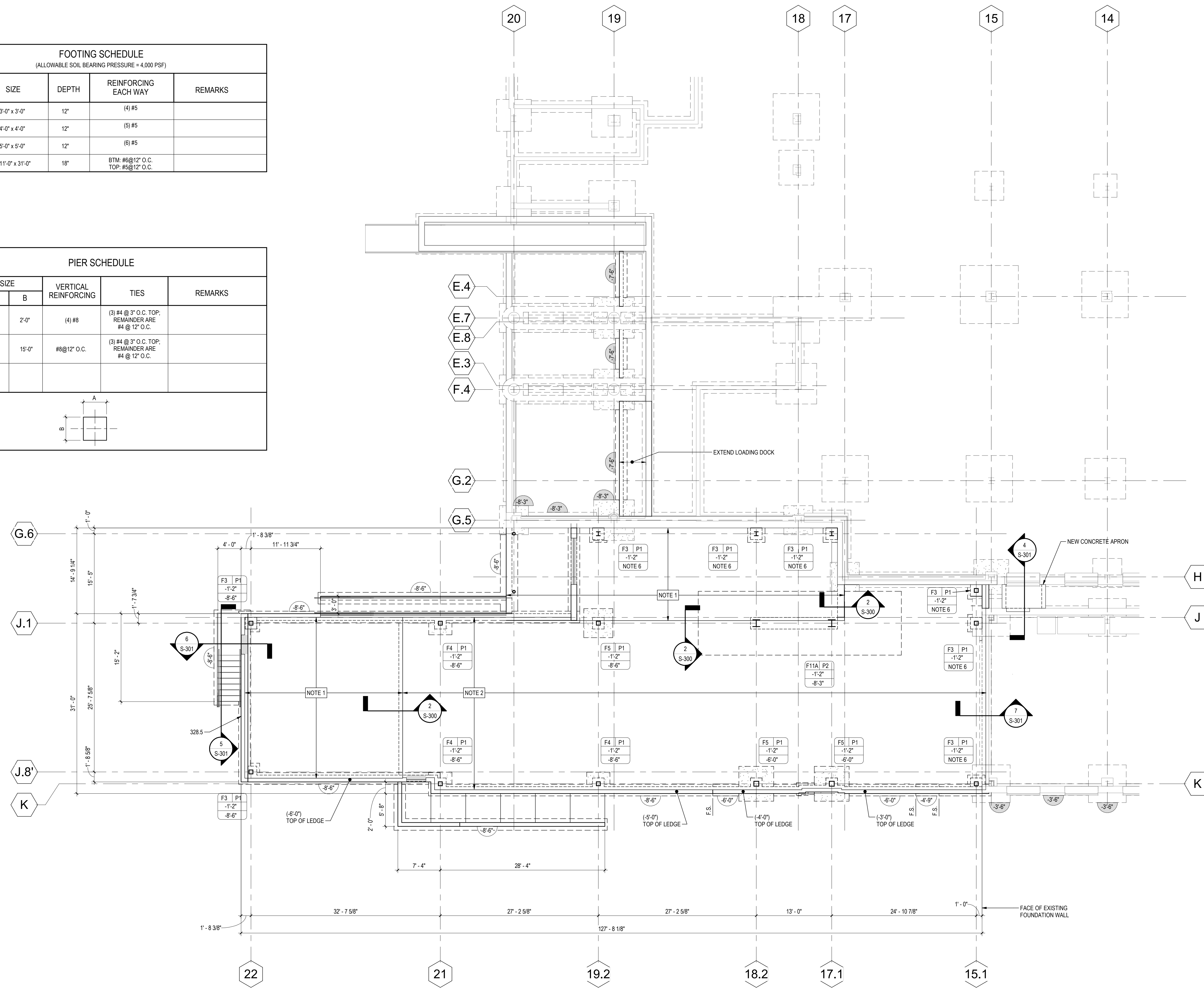
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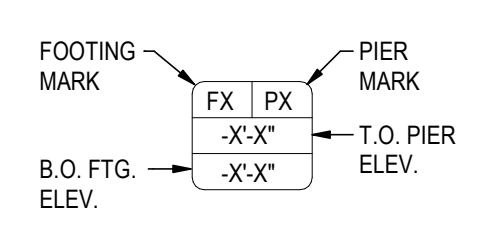
FOOTING SCHEDULE (ALLOWABLE SOIL BEARING PRESSURE = 4,000 PSF)				
MARK	SIZE	DEPTH	REINFORCING EACH WAY	REMARKS
F3	3'-0" x 3'-0"	12"	(4) #5	
F4	4'-0" x 4'-0"	12"	(5) #5	
F5	5'-0" x 5'-0"	12"	(6) #5	
F11A	11'-0" x 31'-0"	18"	BTM: #5@12" O.C. TOP: #5@12" O.C.	

PIER SCHEDULE					
MARK	SIZE		VERTICAL REINFORCING	TIES	REMARKS
	A	B			
P1	2'-0"	2'-0"	(4) #8	(3) #4 @ 3' O.C. TOP. REMAINDER ARE #4 @ 12" O.C.	
P2	2'-0"	15'-0"	#8@12" O.C.	(3) #4 @ 3' O.C. TOP. REMAINDER ARE #4 @ 12" O.C.	

1 FOUNDATION/ SLAB PLAN
1/8" = 1'-0"

- FOUNDATION PLAN NOTES.**
- FLOOR SLAB TO BE 6" NORMAL WEIGHT CONCRETE SLAB-ON-GRADE REINFORCED WITH #6-W2.9xW2.9 WWF. TOP OF SLAB ELEVATION = 0'-0" (USGS 332.90) TO MATCH EXISTING.
 - FLOOR SLAB TO BE 12" NORMAL WEIGHT CONCRETE SLAB-ON-GRADE REINFORCED WITH #5@12" O.C. TOP AND BOTTOM. TOP OF SLAB ELEVATION = 0'-0" (USGS 332.90) TO MATCH EXISTING.
 - (-X'-X") INDICATES BOTTOM OF FOOTING ELEVATION.
 - SEE DRAWING S-400 FOR TYPICAL CONCRETE DETAILS.
 - (---) INDICATES TOP OF FOUNDATION WALL IS 0'-8" BELOW TOP OF SLAB AT DOOR OPENINGS.
 - NEW FOOTINGS TO MATCH THE BOTTOM OF EXISTING FOOTINGS.
 - "BL ELEV" INDICATES THE TOP OF BRICK LEDGE ELEVATION.
 - (-X'-X") INDICATES PRESUMED BOTTOM OF EXISTING FOOTING.



ISSUED FOR PERMIT	Author	Designer	Checker	Date
Issued/Revision				02/01/23

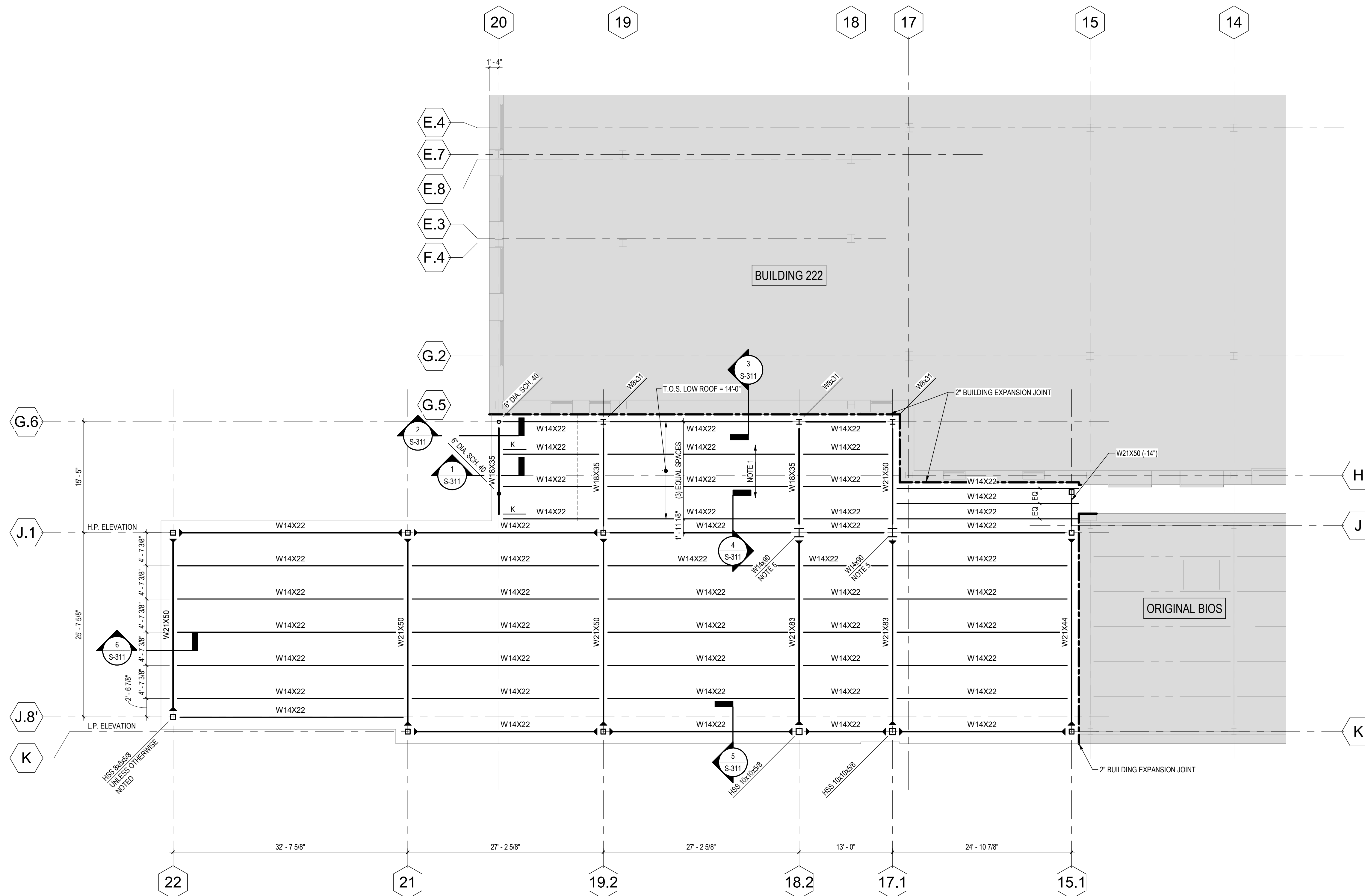
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File Name: N/A				02/01/23



Client/Project
Pfizer Global Research and Development
Hamilton BiOS #2 Addition
Pearl River, NY
Title
FOUNDATION PLAN

PROJECT NO.	SCALE
191501254	As indicated

Revision 0 Drawing No. **S-100**

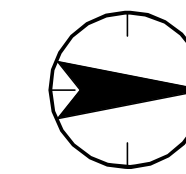


1 ROOF FRAMING PLAN

S-200 1/8" = 1'-0"

ROOF FRAMING NOTES:

- ROOF CONSTRUCTION SHALL BE 1/2" x 18 GA. WIDE RIB GALVANIZED METAL ROOF DECK.
- TOP OF STEEL ELEVATION NOTED ON PLAN REFERENCED FROM FINISHED FIRST FLOOR ELEVATION 0'-0" (USGS ELEVATION 332.90').
- BEAMS ARE EVENLY SPACED BETWEEN COLUMNS UNLESS OTHERWISE NOTED.
- MC-X INDICATES MOMENT CONNECTION.
- TOP OF W14x90 COLUMNS ARE 20'-2". PROVIDE 22"x22"x1" 1/2" CAP PLATE TO RECEIVE PEDESTRIAN BRIDGE COLUMNS.
- INDICATES VERTICAL BRACE.
- SEE DRAWING SXXX FOR TYPICAL STEEL DETAILS.
- "K" INDICATES HUNG LINTEL KICKER LOCATION ALONG COLUMN LINE 20.



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	Issued/Revision	By	Appd	YYYY.MM.DD
File Name:	N/A	Author:	Designer:	Checker:
		Dwn:	Dgn:	Ckd:
				02/01/23
				YYYY.MM.DD

Permit/Seal



Client/Project Logo



Client/Project
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title
ROOF FRAMING PLAN

Project No.
191501254

Revision
0

Scale
1/8" = 1'-0"

Drawing No.
S-200

LIFE SAFETY LEGEND

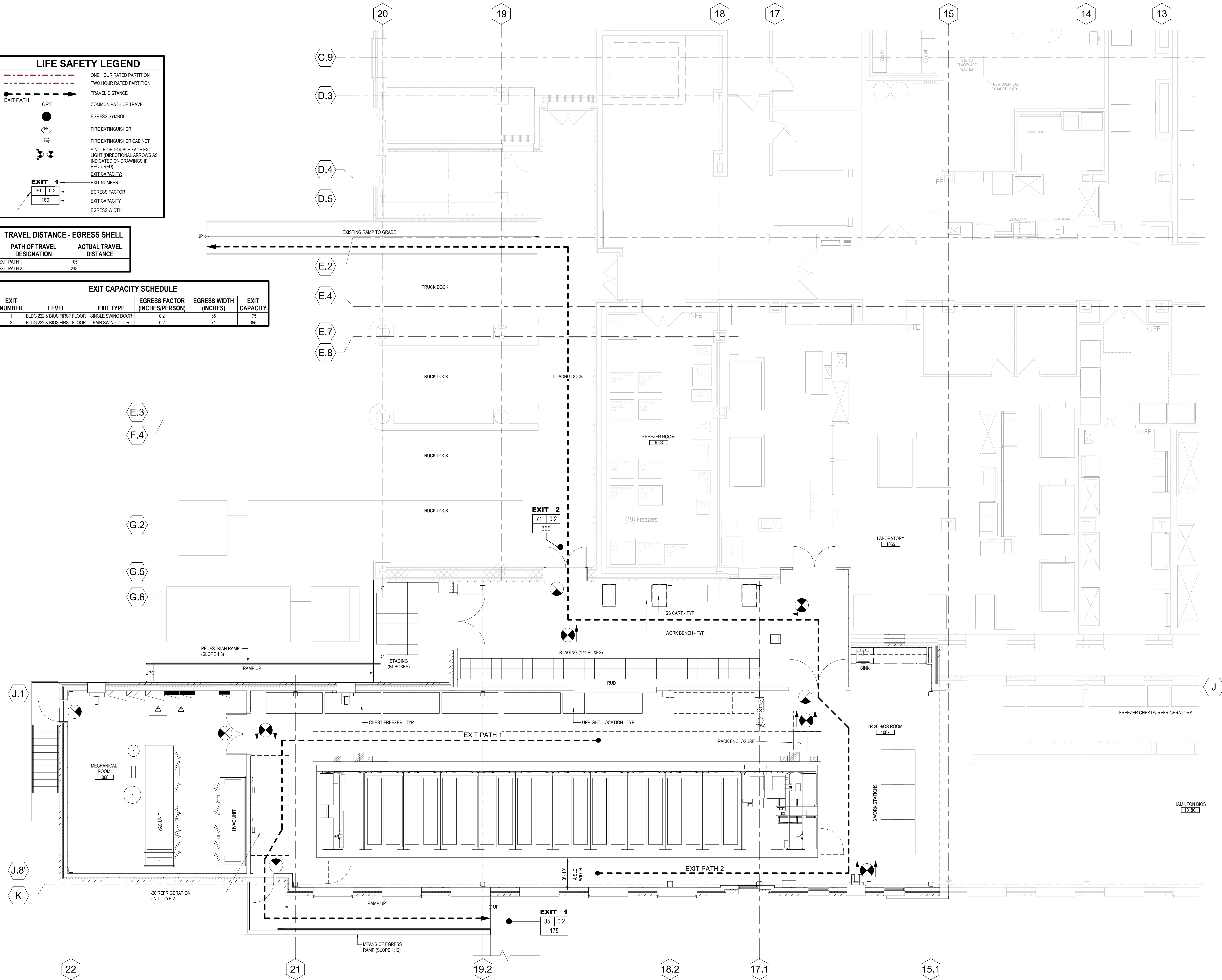
- ONE HOUR RATED PARTITION
- TWO HOUR RATED PARTITION
- TRAVEL DISTANCE
- COMMON PATH OF TRAVEL
- EGRESS SYMBOL
- FIRE EXTINGUISHER
- FIRE EXTINGUISHER CABINET
- SINGLE OR DOUBLE FACE EXIT LIGHT (DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS IF REQUIRED)
- EXIT CAPACITY:
- EXIT NUMBER
- EGRESS FACTOR
- EXIT CAPACITY
- EGRESS WIDTH

TRAVEL DISTANCE - EGRESS SHELL

PATH OF TRAVEL DESIGNATION	ACTUAL TRAVEL DISTANCE
EXIT PATH 1	105'
EXIT PATH 2	218'

EXIT CAPACITY SCHEDULE

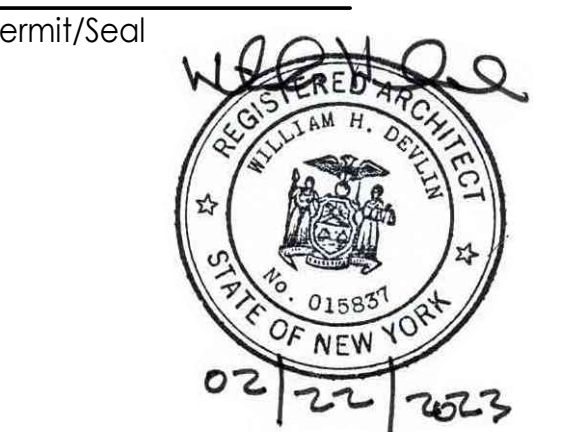
EXIT NUMBER	LEVEL	EXIT TYPE	EGRESS FACTOR (INCHES/PERSON)	EGRESS WIDTH (INCHES)	EXIT CAPACITY
1	BLDG 222 & BIOS FIRST FLOOR	SINGLE SWING DOOR	0.2	35	175
2	BLDG 222 & BIOS FIRST FLOOR	PAIR SWING DOOR	0.2	71	355



1 ARCHITECTURAL PARTIAL FIRST FLOOR LIFE SAFETY PLAN
A-002 SCALE: 3/16" = 1'-0"

NO.	ISSUED FOR PERMIT	BY	DATE
0	ISSUED FOR PERMIT	BY	2023.02.22
1	Issued/Revision	Appd	YYYY.MM.DD

FILE NAME	AUTHOR	DESIGNER	CHECKER	DATE
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	Dwn	Dgn	Chk	YYYY.MM.DD

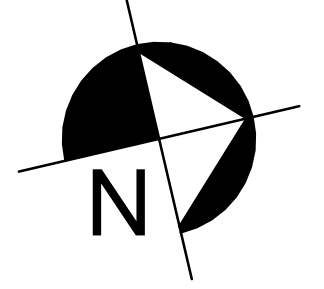


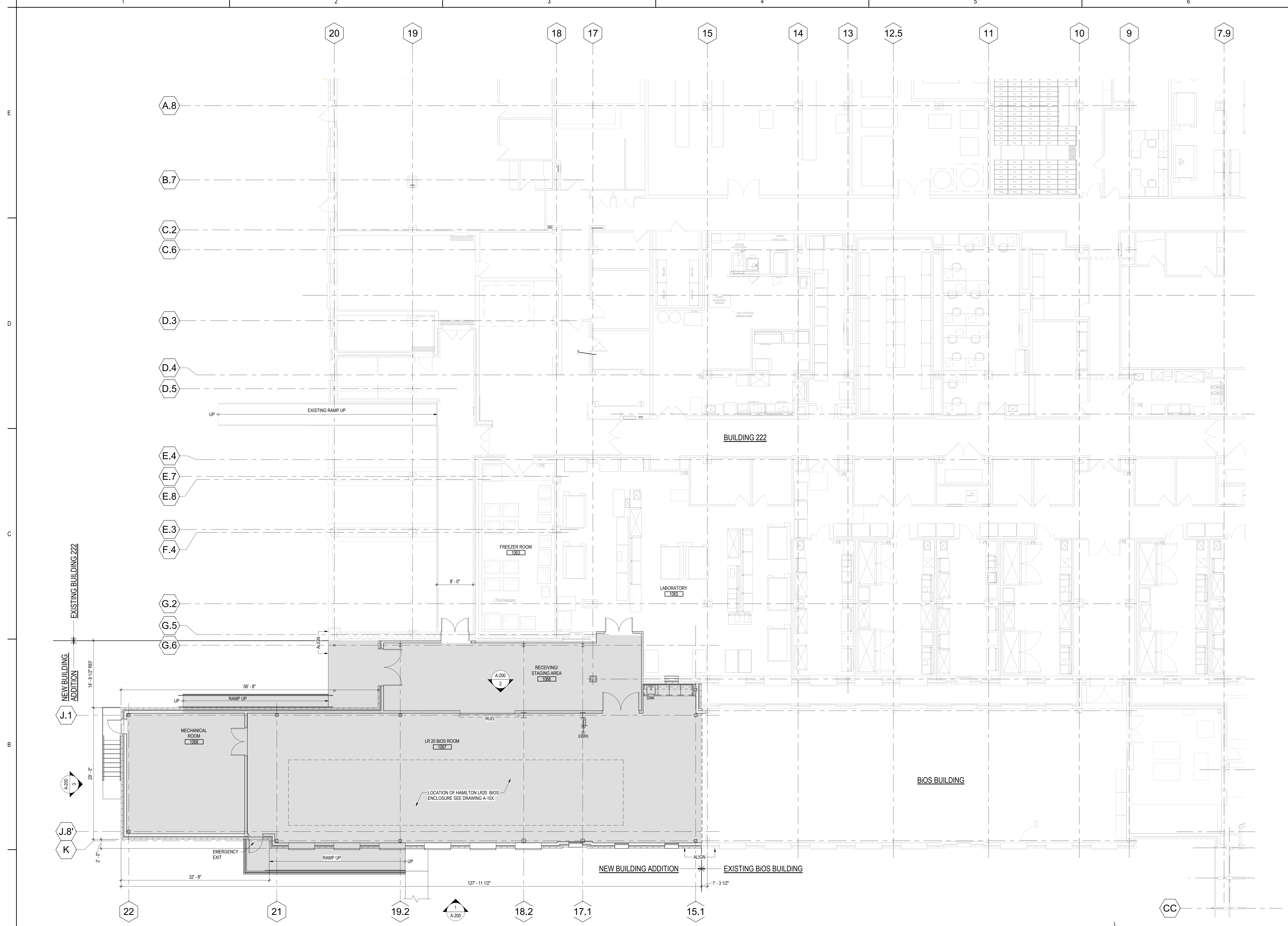
Client/Project
Pfizer Global Research and Development

Hamilton BiOS #2 Addition
Pearl River, NY

Title
PARTIAL FIRST FLOOR LIFE SAFETY PLAN

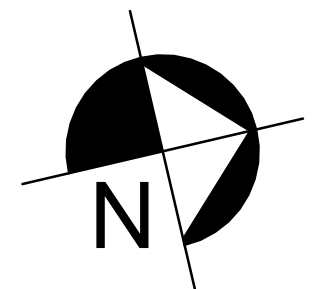
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191501254	As Indicated
REVISION	DRAWING NO.
0	A-002





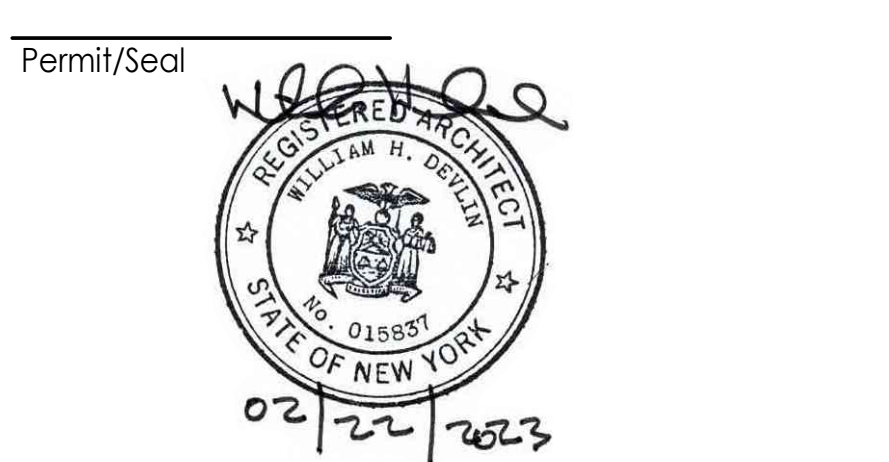
2 ARCHITECTURAL PARTIAL FIRST FLOOR KEY PLAN
SCALE: 1/8" = 1'-0"

LEGEND	
	AREA OF WORK



NO.	ISSUED FOR PERMIT	DATE	BY	APP'D	DATE
0	ISSUED FOR PERMIT				2023.02.22
1	Issued/Revision				YYYYMMDD

FILE NAME	AUTHOR	DESIGNER	CHECKER	DATE
N/A				10/04/22
	Dwn	Dgn	Chk	YYYYMMDD



Client/Project
Pfizer Global Research and Development
Hamilton BiOS #2 Addition
Pearl River, NY
Title
ARCHITECTURAL FIRST FLOOR PLAN
KEY PLAN

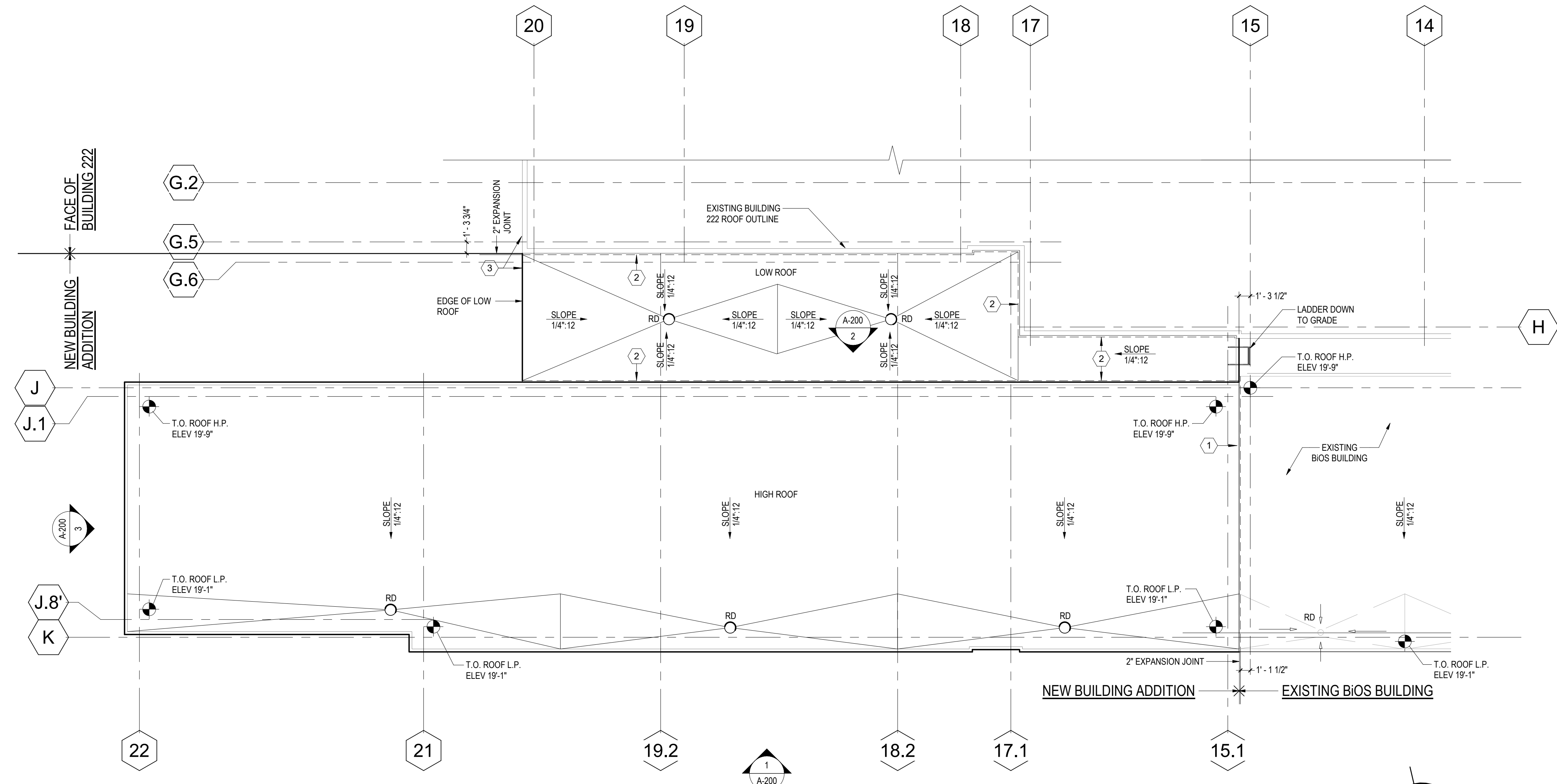
PROJECT NO.	SCALE
191501254	As indicated
REVISION	DRAWING NO.
0	A-101

KEYED INSTALLATION NOTES

- ① ROOF TO ROOF EXPANSION JOINT (1 INCH WIDTH)
- ② ROOF TO WALL EXPANSION JOINT (2 INCH WIDTH)
- ③ EDGE OF ROOF TO ALIGN FLUSH WITH FACE OF BUILDING 222

LEGEND

- SLOPE OF ROOF
- ELEVATION MARKER
- ROOF DRAIN
- INTERSECTION OF ROOF SLOPE AND RIDGE



1 ARCHITECTURAL PARTIAL ROOF PLAN
 SCALE: 1/8" = 1'-0"

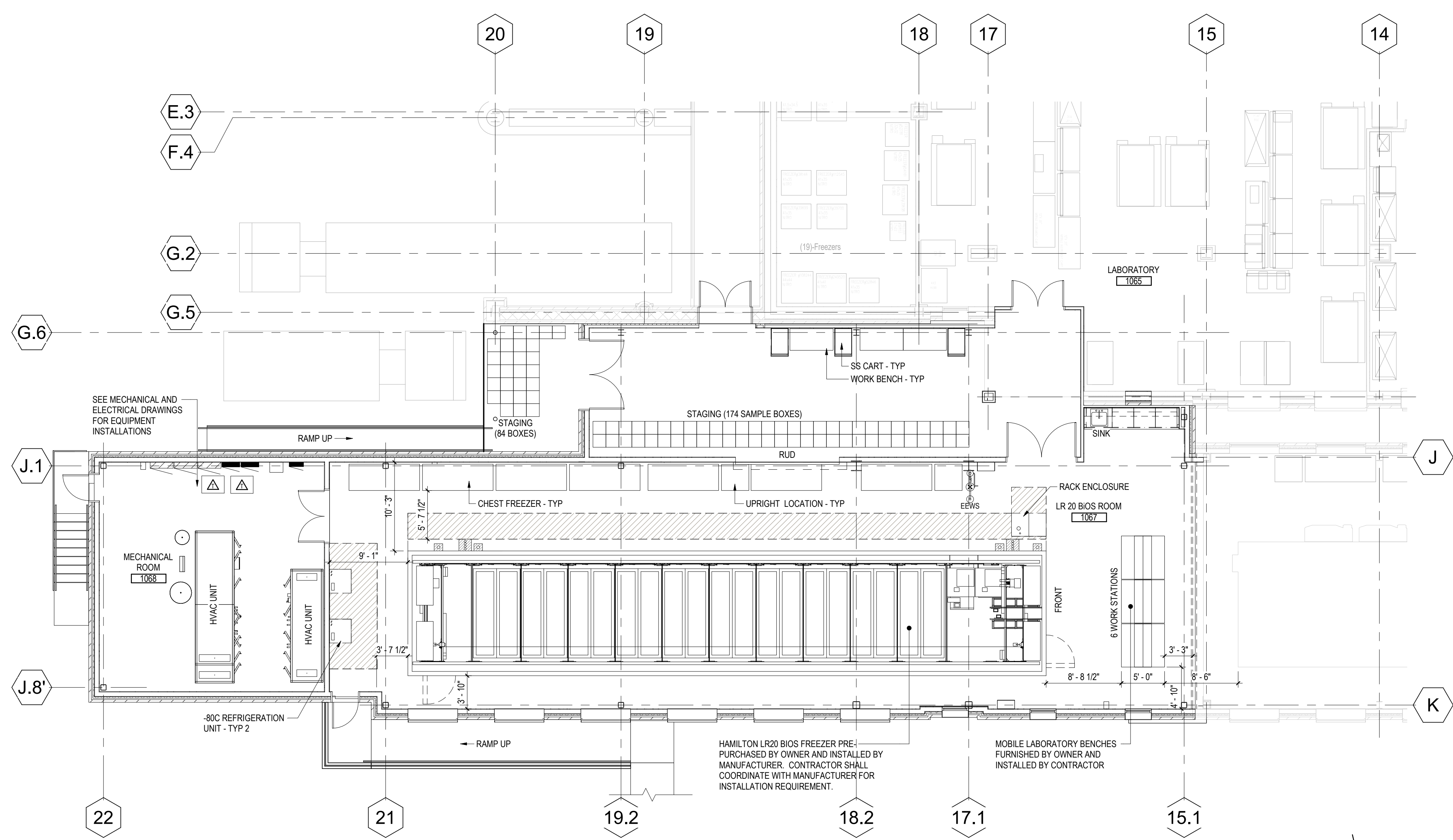


Client/Project
 Pfizer Global Research and Development
 Hamilton BiOS #2 Addition
 Pearl River, NY
 Title
 ARCHITECTURAL PARTIAL ROOF PLAN

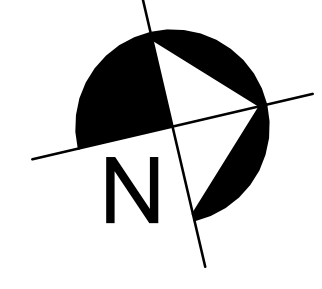
Project No. 191501254	Scale As indicated
Revision 0	Drawing No. A-103

LEGEND

EQUIPMENT CLEARANCE REQUIREMENTS

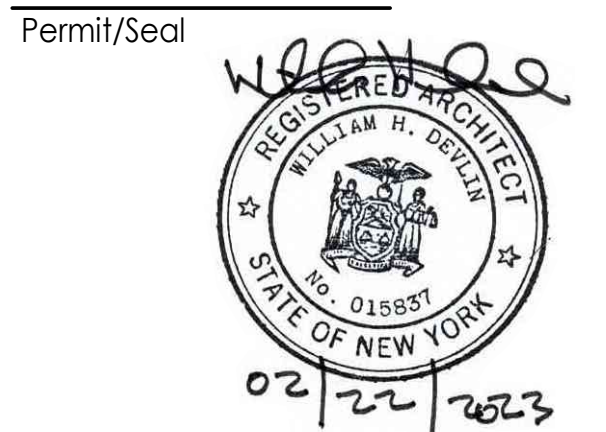


1 ARCHITECTURAL PARTIAL FIRST FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 1/8" = 1'-0"



Issued/Revision	By	WHD	Date
0	FJW		2023.02.22
1	Appd	YYYYMMDD	

File Name: N/A	Author: Dwn	Designer: Dwn	Checker: Chk	Date: 04/26/17
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Client/Project Logo

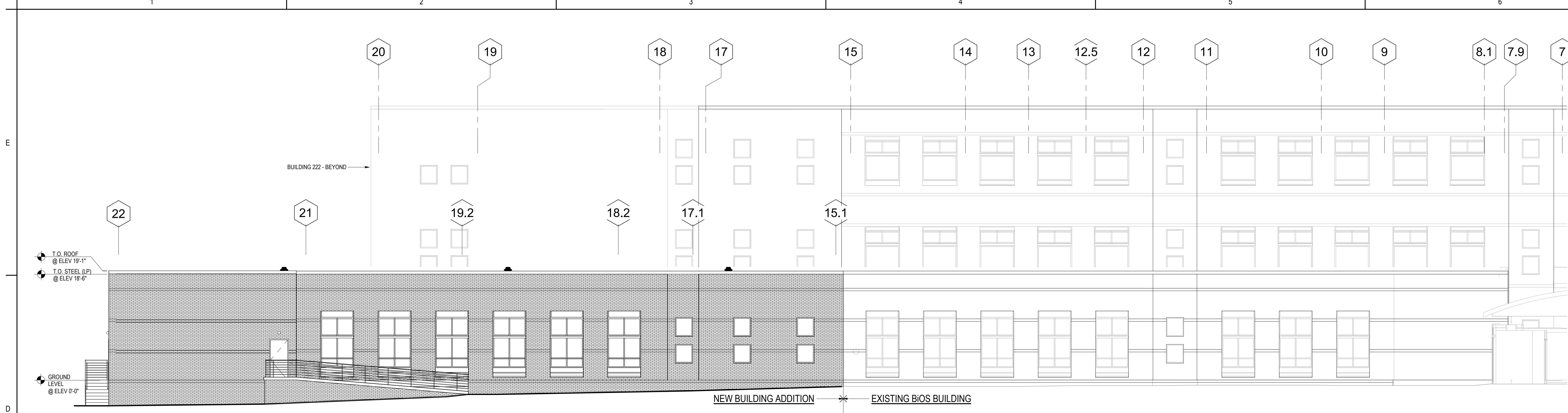


Client/Project
Pfizer Global Research and Development

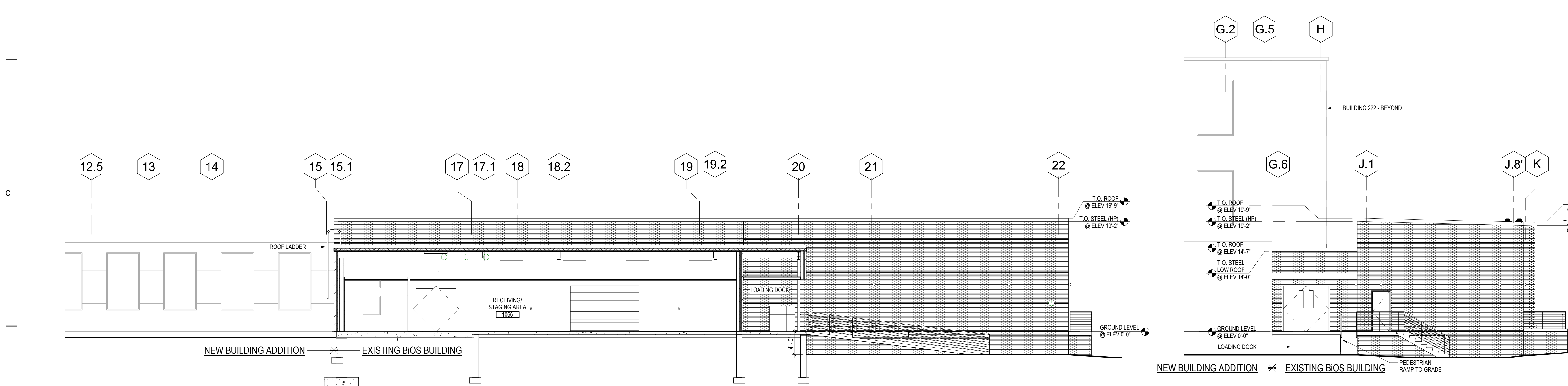
Hamilton BiOS #2 Addition
Pearl River, NY

Title
ARCHITECTURAL PARTIAL GENERAL ARRANGEMENT PLAN

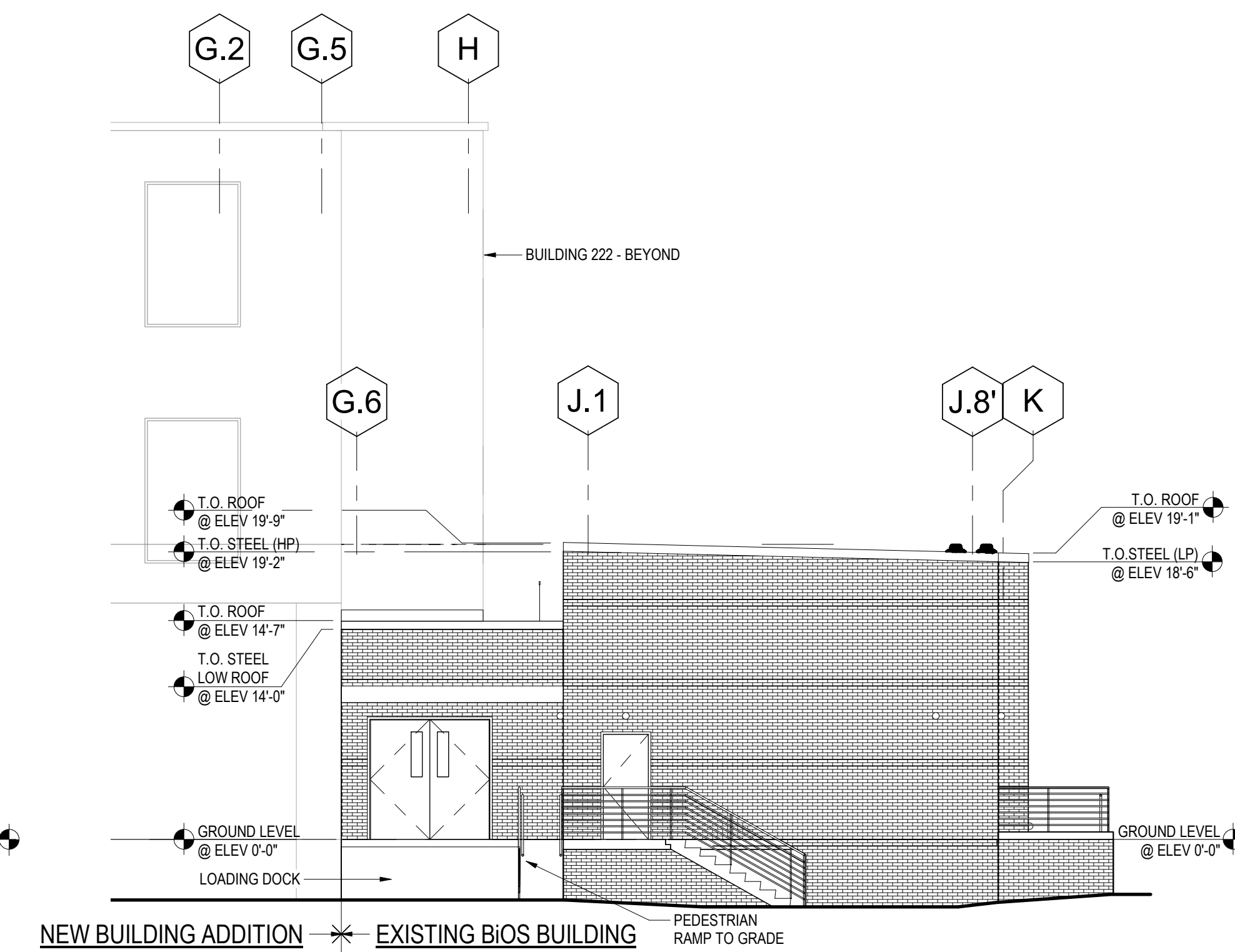
Project No. 191501254 Scale As indicated
Revision 0 Drawing No. **A-104**



1 EAST - ELEVATION
 SCALE: 1/8" = 1'-0"

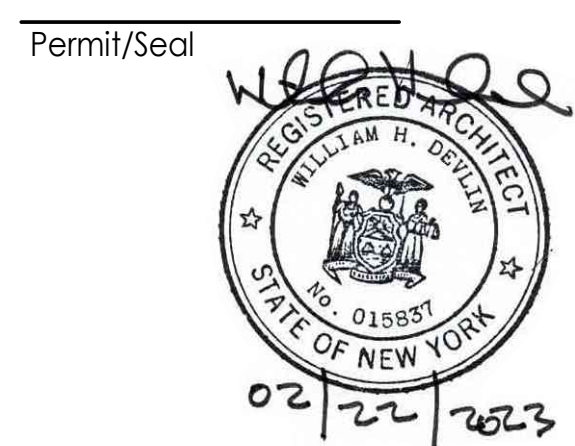


2 WEST - ELEVATION
 SCALE: 1/8" = 1'-0"



3 SOUTH - ELEVATION
 SCALE: 1/8" = 1'-0"

Issued/Revision	By	Appd	Date

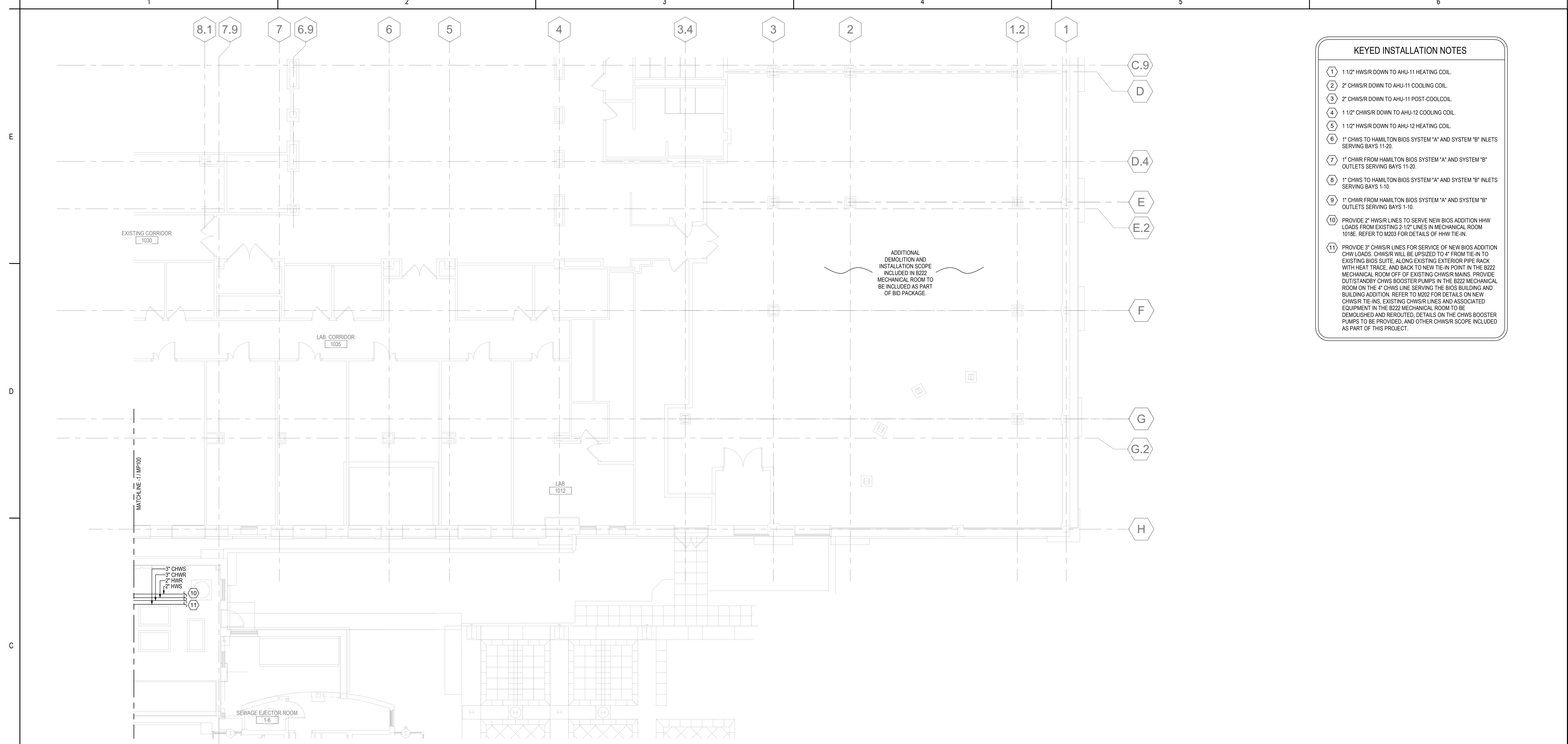


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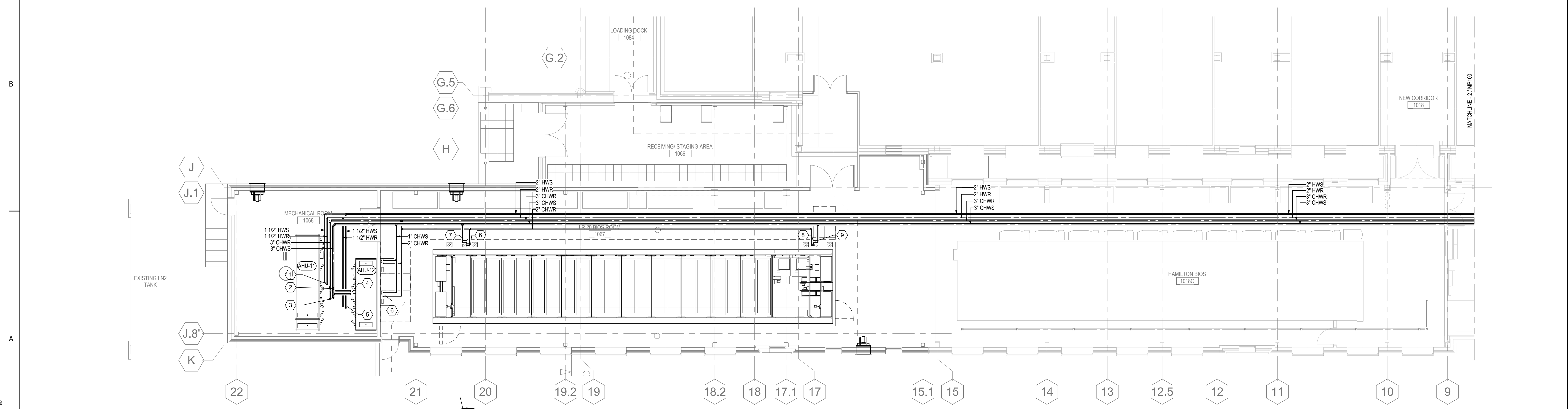
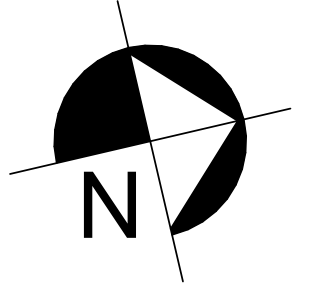
 Client/Project
 Pfizer Global Research and Development
 Hamilton BiOS #2 Addition
 Pearl River, NY
 Title
 ARCHITECTURAL ELEVATIONS AND SECTION

KEYED INSTALLATION NOTES

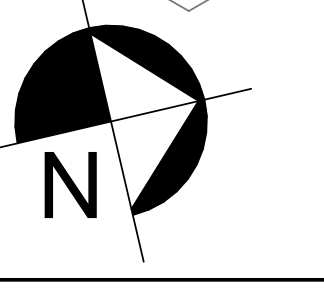
- 1 1 1/2" HWSR DOWN TO AHU-11 HEATING COIL
- 2 2" CHWSR DOWN TO AHU-11 COOLING COIL
- 3 2" CHWSR DOWN TO AHU-11 POST-COOL COIL
- 4 1 1/2" CHWSR DOWN TO AHU-12 COOLING COIL
- 5 1 1/2" HWSR DOWN TO AHU-12 HEATING COIL
- 6 1" CHWSR TO HAMILTON BIOS SYSTEM "A" AND SYSTEM "B" INLETS SERVING BAYS 11-20
- 7 1" CHWR FROM HAMILTON BIOS SYSTEM "A" AND SYSTEM "B" OUTLETS SERVING BAYS 11-20
- 8 1" CHWS TO HAMILTON BIOS SYSTEM "A" AND SYSTEM "B" INLETS SERVING BAYS 1-10
- 9 1" CHWR FROM HAMILTON BIOS SYSTEM "A" AND SYSTEM "B" OUTLETS SERVING BAYS 1-10
- 10 PROVIDE 2" HWSR LINES TO SERVE NEW BIOS ADDITION HHW LOADS FROM EXISTING 2-1/2" LINES IN MECHANICAL ROOM 1018. REFER TO M203 FOR DETAILS OF HHW TIE-IN.
- 11 PROVIDE 3" CHWSR LINES FOR SERVICE OF NEW BIOS ADDITION CHW LOADS. CHWSR WILL BE UP-SIZED TO 4" FROM TIE-IN TO EXISTING BIOS SUITE, ALONG EXISTING EXTERIOR PIPE RACK WITH HEAT TRACE, AND BACK TO NEW TIE-IN POINT IN THE B222 MECHANICAL ROOM OFF OF EXISTING CHWSR MAINS. PROVIDE DUTY/STANDBY CHWS BOOSTER PUMPS IN THE B222 MECHANICAL ROOM ON THE 4" CHWS LINE SERVING THE BIOS BUILDING AND BUILDING ADDITION. REFER TO M202 FOR DETAILS ON NEW CHWSR TIE-INS, EXISTING CHWSR LINES AND ASSOCIATED EQUIPMENT IN THE B222 MECHANICAL ROOM TO BE DEMOLISHED AND REPORTED. DETAILS ON THE CHWS BOOSTER PUMPS TO BE PROVIDED, AND OTHER CHWSR SCOPE INCLUDED AS PART OF THIS PROJECT.



2 MECHANICAL PIPING FIRST FLOOR PLAN CONTINUED
MP100 1/8" = 1'-0"



1 MECHANICAL PIPING FIRST FLOOR PLAN
MP100 1/8" = 1'-0"



Issued/Revision	By	Appd	2023.02.22
0	KBN	JPP	2023.02.22
File Name: N/A	KBN	JPP	2023.02.22
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Client/Project
Pfizer Global Research and Development

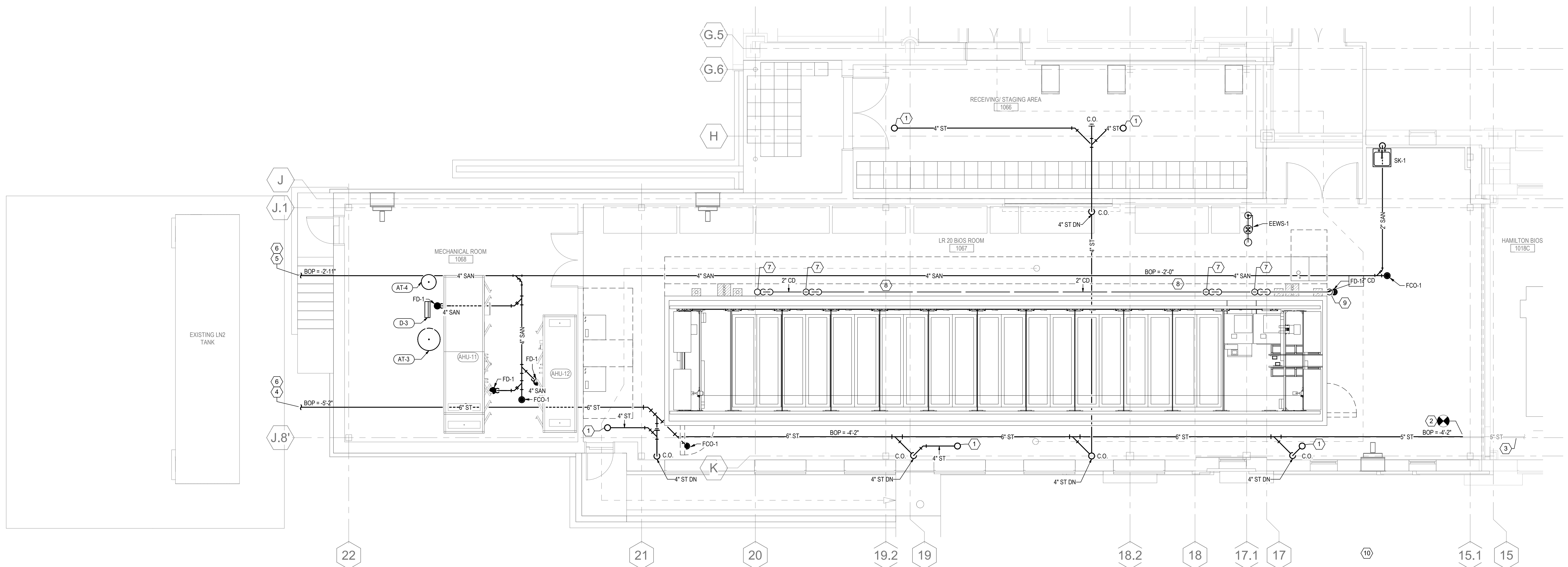
Hamilton BiOs #2 Addition

Pearl River, NY

Title
MECHANICAL PIPING FIRST FLOOR
INSTALLATION PLAN

Project No. 191501254	Scale As indicated
Revision 0	Drawing No. MP100

- KEYED INSTALLATION NOTES**
- 1 4" ST DOWN FROM ROOF DRAIN RD-1.
 - 2 CONNECT NEW 5" ST MAIN FROM EXISTING 5" ST MAIN BELOW NEW BIOS BUILDING ADDITION IN LOCATION SHOWN.
 - 3 EXISTING 5" STORM FROM EXISTING BIOS BUILDING. APPROXIMATELY 4,015 SQ. FT. (125.1 GPM).
 - 4 NEW 6" ST TO SITE. APPROX. 10,505 SQ. FT. (327.4 GPM)
 - 5 NEW 4" SANITARY TO REMOTE BELOW GROUND SUMP PUMP. LOCATION OF SUMP PUMP TO BE DETERMINED.
 - 6 REFER TO CIVIL DRAWINGS FOR CONTINUATION OF PIPING.
 - 7 1-1/2" CONDENSATE RECEPTOR FROM BIOS FREEZER.
 - 8 2" SANITARY PIPING FROM FREEZER DRAINS. HUG WALL OF FREEZER WITH PIPING, AND PITCH 1/4" PER FOOT DOWNWARDS TOWARDS DRAIN SPILL TERMINATION AT FLOOR DRAIN FD-1.
 - 9 2" DRAIN SPILL TO FLOOR DRAIN FD-1 WITH AIR GAP.
 - 10 REMOVE EXISTING TRENCH DRAIN IN THIS LOCATION, OR PIPE TO NEW STORM SYSTEM.



1 PLUMBING STORM AND SANITARY FIRST FLOOR PLAN
3/16" = 1'-0"
N

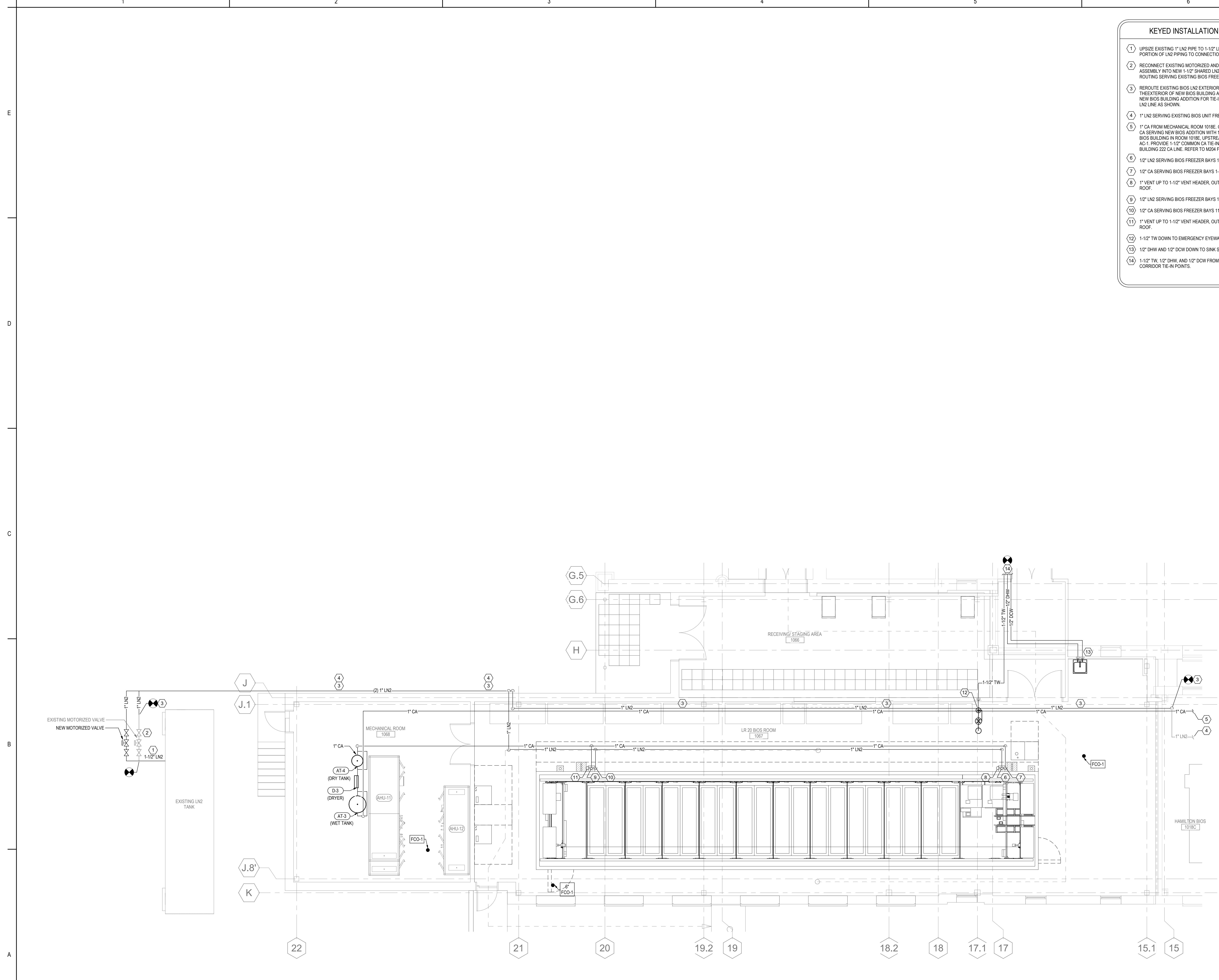
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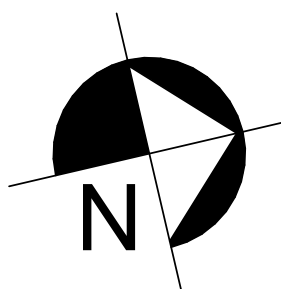
Client/Project
Pfizer Global Research and Development
Hamilton BiOS #2 Addition
Pearl River, NY
Title
PLUMBING FIRST FLOOR STORM AND SANITARY INSTALLATION PLAN

Project No. 191501254	Scale As indicated
Revision 0	Drawing No. P100A

- KEYED INSTALLATION NOTES**
- 1 UPSIZE EXISTING 1" LN2 PIPE TO 1-1/2" LN2 PIPE FOR SHARED PORTION OF LN2 PIPING TO CONNECTION TO LN2 TANK.
 - 2 RECONNECT EXISTING MOTORIZED AND ISOLATION VALVE ASSEMBLY INTO NEW 1-1/2" SHARED LN2 LINE, AND TO NEW LN2 ROUTING SERVING EXISTING BIOS FREEZERS.
 - 3 REROUTE EXISTING BIOS LN2 EXTERIOR PIPING AROUND THE EXTERIOR OF NEW BIOS BUILDING ADDITION AND THROUGH NEW BIOS BUILDING ADDITION FOR TIE-IN BACK INTO EXISTING LN2 LINE AS SHOWN.
 - 4 1" LN2 SERVING EXISTING BIOS UNIT FREEZERS.
 - 5 1" CA FROM MECHANICAL ROOM 1018E, CROSS TIE EXISTING 1" CA SERVING NEW BIOS ADDITION WITH 1" CA SERVING EXISTING BIOS BUILDING IN ROOM 1018E, UPSTREAM OF COMPRESSOR AC-1. PROVIDE 1-1/2" COMMON CA TIE-IN TO EXISTING 1-1/2" BUILDING 222 CA LINE. REFER TO M204 FOR TIE-IN DETAILS.
 - 6 1/2" LN2 SERVING BIOS FREEZER BAYS 1-10.
 - 7 1/2" CA SERVING BIOS FREEZER BAYS 1-10.
 - 8 1" VENT UP TO 1-1/2" VENT HEADER, OUT TO 4" VENT THROUGH ROOF.
 - 9 1/2" LN2 SERVING BIOS FREEZER BAYS 11-20.
 - 10 1/2" CA SERVING BIOS FREEZER BAYS 11-20.
 - 11 1" VENT UP TO 1-1/2" VENT HEADER, OUT TO 4" VENT THROUGH ROOF.
 - 12 1-1/2" TW DOWN TO EMERGENCY EYEWASH/SHOWER EEWS-1.
 - 13 1/2" DHW AND 1/2" DCW DOWN TO SINK SK-1.
 - 14 1-1/2" TW, 1/2" DHW, AND 1/2" DCW FROM BUILDING 222 CORRIDOR TIE-IN POINTS.



1 PLUMBING DOMESTIC AND PROCESS GAS FIRST FLOOR PLAN
P100B 3/16" = 1'-0"



Issued/Revision	By	Appd	DATE
0	ISSUED FOR PERMIT	KBN	2023.02.22
1	Issued/Revision	By	YYYY.MM.DD

Permit/Seal	File Name	N/A	KBN	KBN	JPP	DATE
	HAMILTON BIOS 1018C		Dwn	Dgn	Chgs	YYYY.MM.DD



Client/Project
Pfizer Global Research and Development
Hamilton BiOS #2 Addition
Pearl River, NY
Title
PLUMBING FIRST FLOOR DOMESTIC AND PROCESS GAS PLAN

Project No.	Scale
191501254	As indicated
Revision	Drawing No.
0	P100B

Issued/Revision	By	Appd	2023.02.22
0	KBN		2023.02.22
1	JPP		2023.02.22
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3	JPP		2023.02.22
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22	JPP		2023.02.22

Issued/Revision	By	Appd	2023.02.22
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Permit/Seal

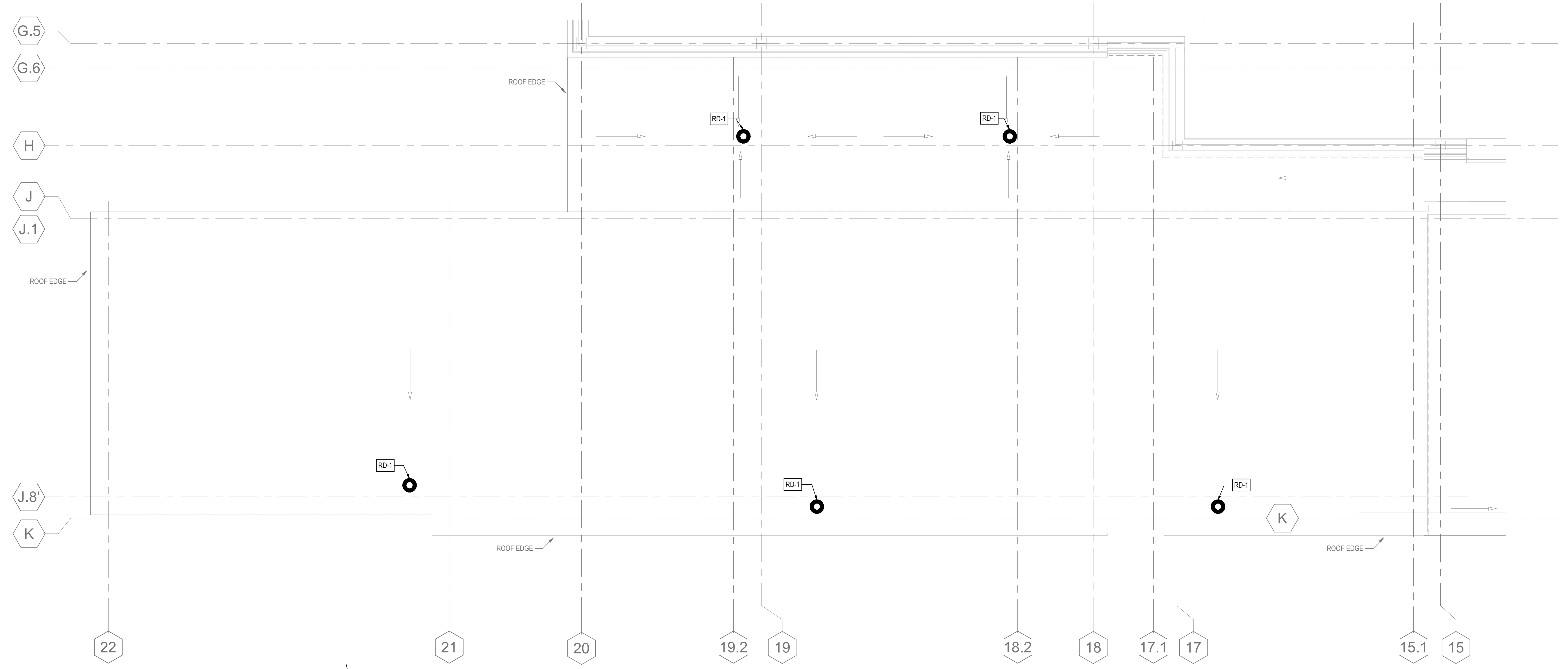


Client/Project
 Pfizer Global Research and Development

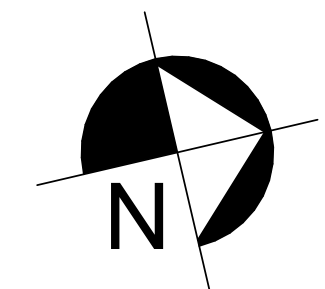
Hamilton BiOS #2 Addition
 Pearl River, NY

Title
 PLUMBING ROOF INSTALLATION PLAN

Project No.	Scale
191501254	As indicated
Revision	Drawing No.
0	P101



1
 P101
PLUMBING ROOF PLAN
 3/16" = 1'-0"



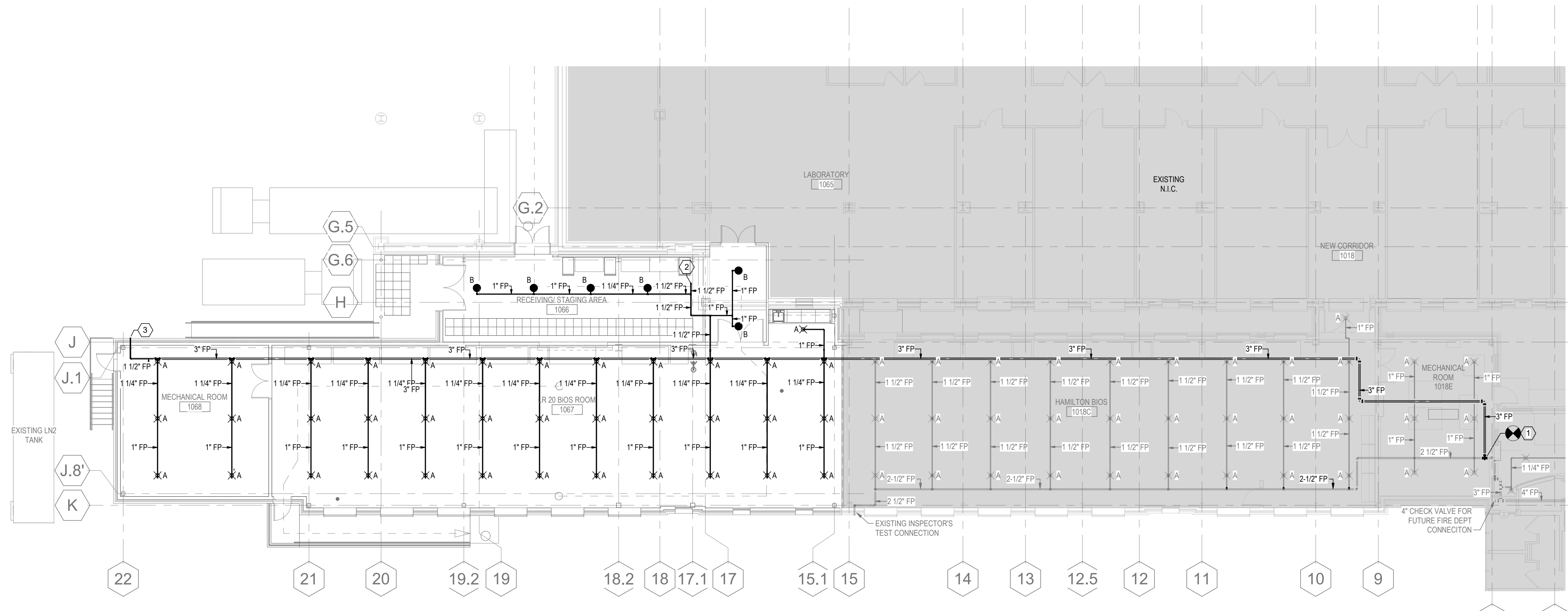
FIRE PROTECTION PIPING SYSTEM APPLICATION SCHEDULE														
PIPING SYSTEM	PIPING SERVICE DESIGNATION	PIPING LOCATION	PIPE SIZE	PIPING MATERIAL		FITTINGS / JOINTS			CONSTRUCTION					
				BLACK STEEL - SCH. 40	GALVANIZED STEEL - SCH. 40	CUT GROOVED - 300 PSI FITTINGS	ROLL GROOVED - 300 PSI FITTINGS	SCREWED - CLASS 150 FITTINGS	OPERATING TEMPERATURE (°F)	MINIMUM WORKING PRESSURE (PSI)	TEST PRESSURE (PSI) (NOTE 1)	TEST DURATION (HRS)	ACCEPTANCE LEVEL	
WET-PIPE SPRINKLER SYSTEM, STANDARD PRESSURE	FP	ABOVE GROUND	NPS 2 AND SMALLER	X						40-100	175	225	2	ZERO LOSS / LEAKS
			NPS 2 1/2 AND LARGER	X			X							
DRAIN	DR	ABOVE GROUND	NPS 4 AND SMALLER		X	X		X		40-100	250	250	2	ZERO LOSS / LEAKS

NOTE 1: TEST PRESSURE FOR SPRINKLER SHALL BE 200 PSI MINIMUM OR 50 PSI IN EXCESS OF WORKING PRESSURE, WHICHEVER IS GREATER.

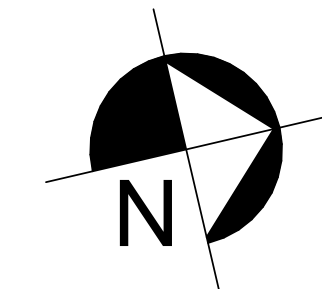
SPRINKLER HEAD SCHEDULE											
DESIGNATION	TYPE	FINISH	MAKE	MODEL	SIN	NOMINAL TEMPERATURE RATING (°F)	NOMINAL K-FACTOR	MAXIMUM COVERAGE AREA (SQ.FT.)	RESPONSE	SIZE	REMARKS
A	UPRIGHT	BRASS	RELIABLE	F1FR56	RA1425	155	5.6	130	QUICK	1/2"	SEE NOTES 1,2,3
B	CONCEALED PENDANT	WHITE	RELIABLE	G5-56	RA3415	165	5.6	130	QUICK	1/2"	SEE NOTE 1,4

NOTES:
1. INSTALL ALL SPRINKLER HEADS PER THE MANUFACTURER'S RECOMMENDATIONS AND UL/FM APPROVAL CONDITIONS.
2. SPRINKLERS IN AREAS WITH LOW CLEARANCE, UNDER 8'-0", SHALL BE PROTECTED WITH LISTED GUARDS.
3. USE INTERMEDIATE TEMPERATURE RATING FOR MECHANICAL ROOMS AND WHERE REQUIRED PER NFPA 13.
4. PROVIDE GASKETED COVER PLATE.

- KEYED INSTALLATION NOTES**
- ① PROVIDE NEW 3" FP LINE FROM EXISTING 3" LINE IN LOCATION SHOWN.
 - ② PROVIDE CAPPED LOW POINT DRAIN IN LOCATION SHOWN.
 - ③ PIPE 3" FP LINE TO EXTERIOR, AND PROVIDE 1-1/2" INSPECTORS TEST CONNECTION AS SHOWN. REFER TO INSPECTORS TEST CONNECTION DETAIL 1 / FP100.



1 FIRST FLOOR FIRE PROTECTION INSTALLATION PLAN
3/32" = 1'-0"



Notes

NO.	ISSUED FOR PERMIT	BY	DATE
0		KBN	2023.02.22
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FILE NAME	DWN.	KBN	APP'D	DATE
		KBN	JPP	2023.02.22
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Pfizer Global Research and Development

Hamilton BiOS #2 Addition

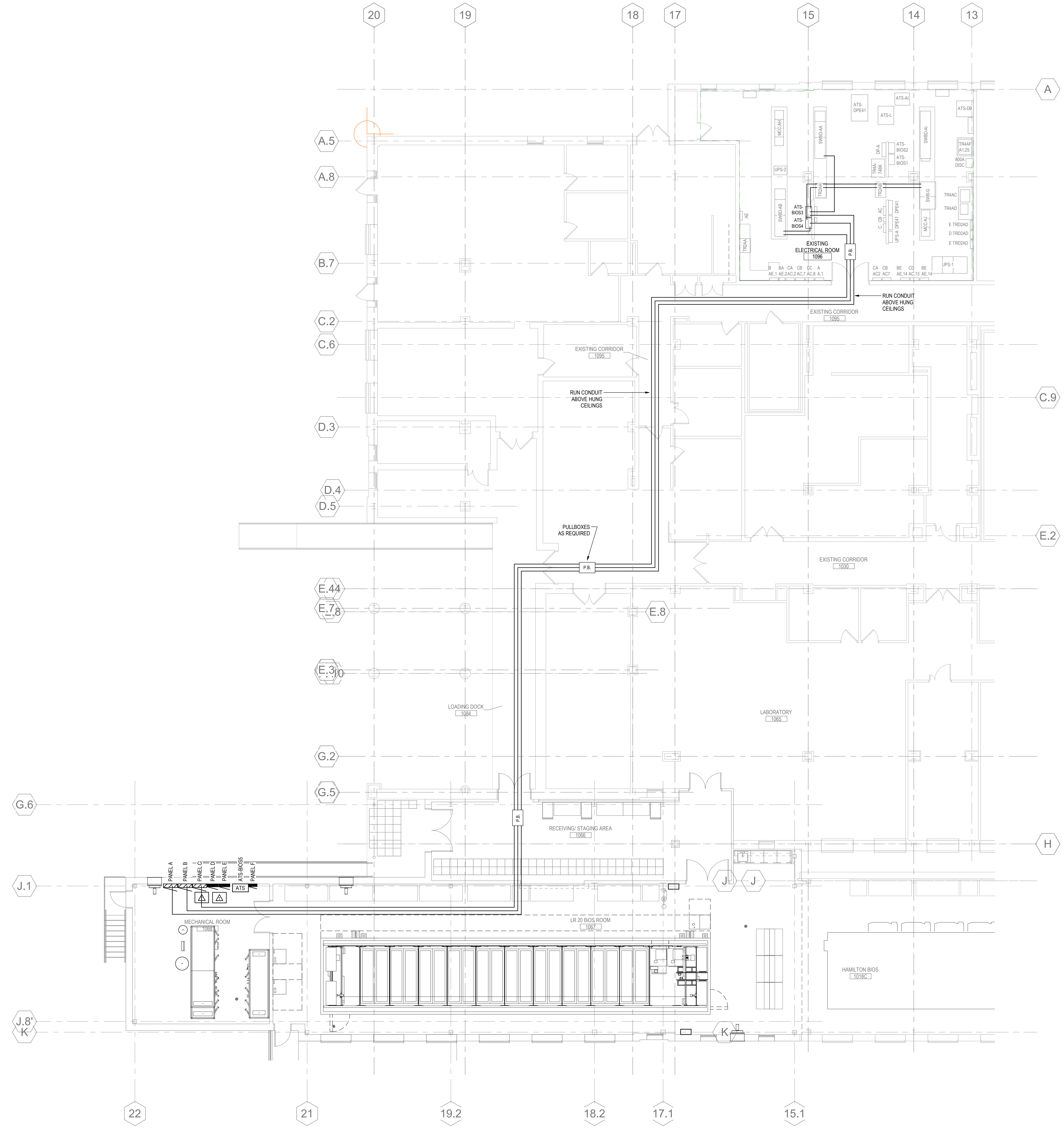
Pearl River, NY

Title
FIRST FLOOR FIRE PROTECTION
INSTALLATION PLAN

PROJECT NO.	SCALE
191501254	As indicated
REVISION	DRAWING NO.
0	FP-101

GENERAL NOTES:

- THE SERVICE FOR THIS SYSTEM IS 480 VOLT, 3Ø, 4 WIRE, 60HZ AND 208Y/120V, 3Ø, 4 WIRE, 60HZ.
- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT.
- REFER TO POWER PLAN ON DRAWING E-101 FOR DETAILED INFORMATION WITHIN THE AREA OF WORK.
- REFER TO RISER DIAGRAM ON DRAWING E-601 FOR WIRE & CONDUIT SIZES OF MAJOR FEEDERS.
- ALL WIRE AND CABLE SHALL BE COPPER, N.E. CODE TYPE THHN/THWN, 600 VOLT INSULATION, NOT SMALLER THAN #12 AWG UNLESS OTHERWISE NOTED. (OR EXCEPT CONTROL WIRES), #10 AND SMALLER SHALL BE SOLID. #8 AND LARGER SHALL BE STRANDED.
- CONDUITS CONCEALED IN WALLS, CHASES AND ABOVE CEILING SHALL BE EMT. IN MECH. AND WAREHOUSE SHALL BE EMT. OUTDOOR CONDUITS SHALL BE RIGID STEEL GALVANIZED CONDUITS.
- CONDUIT FITTINGS INSTALLED IN WET AREAS SHALL HAVE NEOPRENE GASKET AND BE RATED FOR THE ENVIRONMENT.
- ON SHARED PIPE RACKS, ALL ELECTRICAL CONDUITS SHALL BE RUN ABOVE PIPING.
- GROUNDING INSTALLATIONS SHALL BE DONE IN ACCORDANCE WITH REQUIREMENTS OF NATIONAL ELECTRICAL CODE, AND OTHER APPLICABLE CODES AND REGULATIONS. ALL EQUIPMENT SHALL BE GROUNDED TO THE EQUIPMENT GROUNDING SYSTEM.
- SEAL TIGHT FLEXIBLE CONDUIT COUPLINGS SHALL BE USED FOR ALL CONNECTIONS TO MOTORS, TRANSFORMERS, SOLENOID VALVES AND OTHER ELECTRICAL DEVICES EXCLUSIVE OF PUSH BUTTONS UNLESS OTHERWISE NOTED.
- SEAL ALL WALL AND FLOOR PENETRATIONS WITH APPROVED CALKING OR FIRESTOPPING. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- COORDINATE ALL ELECTRICAL INSTALLATIONS WITH OTHER TRADES WORK. DETERMINE EXACT ROUTING OF CONDUITS IN THE FIELD, SO AS TO AVOID INTERFERENCES WITH DUCTWORK, PIPING AND BUILDING STRUCTURE.
- CONTRACTOR SHALL PROVIDE ALONG PIPE RACK PULL BOXES FOR ELECTRICAL CONDUITS AS REQUIRED BY CODE.
- PROVIDE EXPANSION/DEFLECTION FITTINGS FOR ALL RACEWAYS CROSSING BUILDING EXPANSION JOINTS.
- COORDINATE WORK WITH ALL OTHER TRADES TO ENSURE PIPING, DUCTWORK AND ALL OTHER FOREIGN SYSTEMS TO NOT PASS OVER TOP OF ELECTRICAL DISTRIBUTION EQUIPMENT. MAINTAIN ALL WORKING EQUIPMENT AND CLEAR SPACE REQUIREMENTS AS IDENTIFIED IN NEC ARTICLE 110.
- PROVIDE PULLBOXES AS REQUIRED ON CONDUIT RUNS WITH MORE THAN (4) 90° BENDS, SIZE AS PER NEC REQUIREMENTS BASED ON CONDUIT SIZE, QUANTITY AND ORIENTATIONS USED.



1 FIRST FLOOR CONDUIT ROUTING PLAN
E-100 1/8" = 1'-0"

Issued/Revision	By	App'd	Date
0	HB	R/W	2023.02.22
	By	App'd	YYYY.MM.DD

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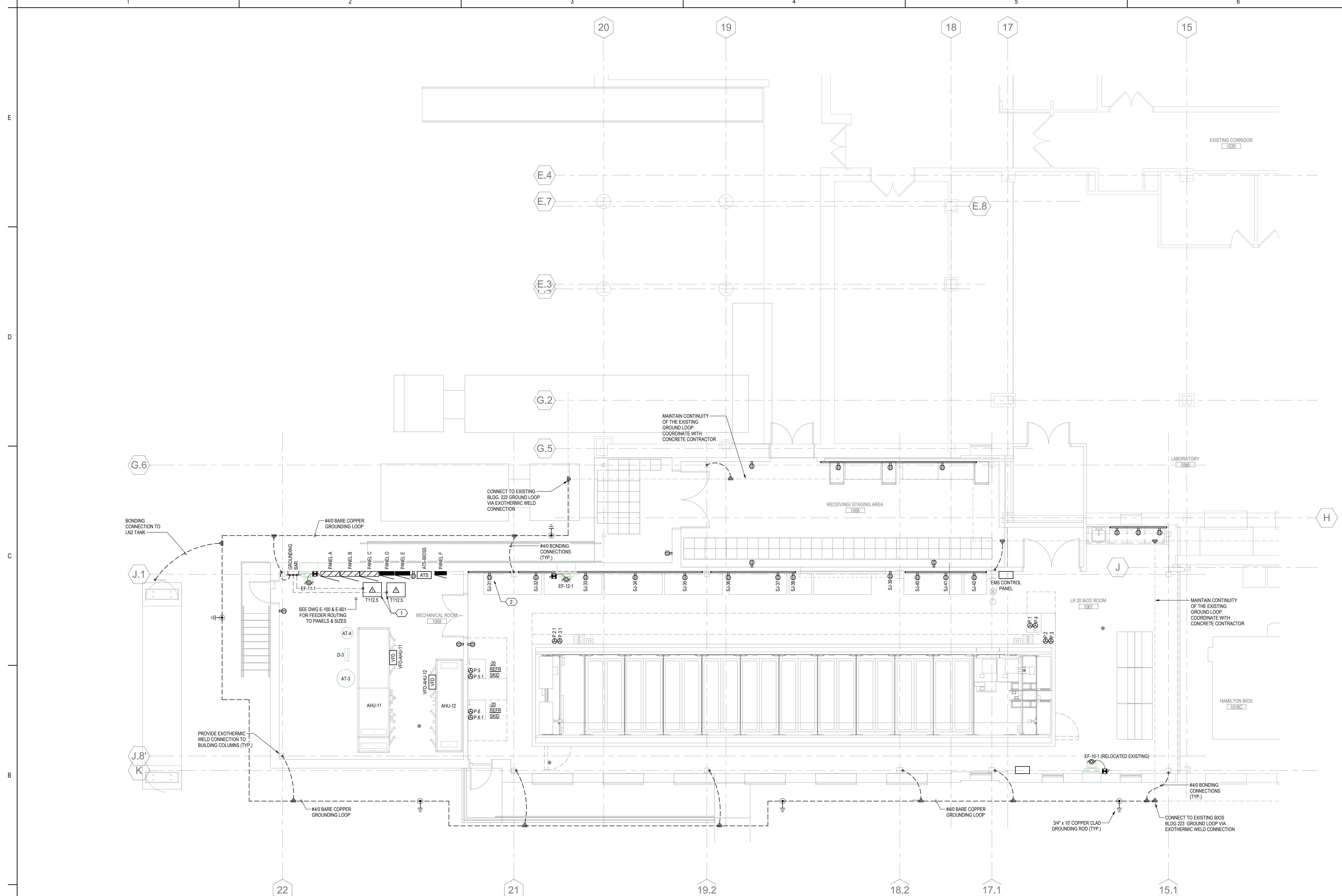
Hamilton BiOs #2 Addition

Pearl River, NY

Title
FIRST FLOOR CONDUIT ROUTING PLAN

Project No. 191501254
Revision 0
Scale 1/8" = 1'-0"
Drawing No. **E-100**

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ORIGINAL SHEET - ARCH1



1 PARTIAL FIRST FLOOR POWER PLAN
E-101 3/16" = 1'-0"

GENERAL NOTES:

- THE SERVICE FOR THIS SYSTEM IS 480 VOLT, 3Ø, 4 WIRE, 60HZ AND 208V, 3Ø, 4 WIRE, 60HZ.
- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT.
- NO CONDUIT SMALLER THAN 3/4" SHALL BE USED UNLESS OTHERWISE NOTED.
- ALL WIRE AND CABLE SHALL BE COPPER, N.E. CODE TYPE THHN/THWN, 600 VOLT INSULATION, NOT SMALLER THAN #12 AWG UNLESS OTHERWISE NOTED. FOR EXCEPT CONTROL WIRES, #10 AND SMALLER SHALL BE SOLID. #8 AND LARGER SHALL BE STRANDED.
- ALL ELECTRICAL EQUIPMENT INSTRUMENTS AND ASSOCIATED CONTROL DEVICES SHALL BE MARKED FOR IDENTIFICATION WITH PLASTIC NAMEPLATES WITH BLACK LETTERS ON WHITE BACKGROUND. NAME PLATES SHALL BE FASTENED WITH EITHER EPOXY CEMENT OR SCREWS SHALL BE ACCEPTABLE. COORDINATE WITH THE OWNER.
- ALL MOTORS SHALL BE CHECKED FOR DIRECTION OF ROTATION WITH RESPECT TO THE DRIVEN MACHINE, AND CORRECTIONS MUST BE MADE ON THE MOTORS IF REQUIRED.
- CONDUITS CONCEALED IN WALLS, CHASES AND ABOVE CEILING SHALL BE EMT. IN MER AND WAREHOUSE SHALL BE EMT. OUTDOOR CONDUITS SHALL BE RIGID STEEL GALVANIZED CONDUITS.
- CONDUIT FITTINGS INSTALLED IN WET AREAS SHALL HAVE NEOPRENE GASKET AND BE RATED FOR THE ENVIRONMENT.
- ON SHARED PIPE RACKS, ALL ELECTRICAL CONDUITS SHALL BE RUN ABOVE PIPING.
- GROUNDING INSTALLATIONS SHALL BE DONE IN ACCORDANCE WITH REQUIREMENTS OF NATIONAL ELECTRICAL CODE, AND OTHER APPLICABLE CODES AND REGULATIONS. ALL EQUIPMENT SHALL BE GROUNDED TO THE EQUIPMENT GROUNDING SYSTEM.
- SEAL TIGHT FLEXIBLE CONDUIT COUPLINGS SHALL BE USED FOR ALL CONNECTIONS TO MOTORS, TRANSFORMERS, SOLENOID VALVES AND OTHER ELECTRICAL DEVICES EXCLUSIVE OF PUSH BUTTONS UNLESS OTHERWISE NOTED.
- SEAL ALL WALL AND FLOOR PENETRATIONS WITH APPROVED CAULKING OR FIRESTOPPING. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- COORDINATE ALL ELECTRICAL INSTALLATIONS WITH OTHER TRADES WORK. DETERMINE EXACT ROUTING OF CONDUITS IN THE FIELD, SO AS TO AVOID INTERFERENCE WITH DUCTWORK, PIPING AND BUILDING STRUCTURE.
- ALL WIRES IN PANEL TO BE BUNDLED AND TAPED IN A WORKMANLIKE MANNER.

- ALL WIRES SHALL BE NUMBERED IN THE FIELD IN ACCORDANCE WITH WIRING DIAGRAMS WITH ADHESIVE NUMBERING TAPE.
- CONTRACTOR SHALL PROVIDE ALONG PIPE RACK PULL BOXES FOR ELECTRICAL CONDUITS AS REQUIRED BY CODE.
- RECEPTACLES ARE NEMA TYPE 5-20R UNLESS NOTED OTHERWISE. REFER TO DRAWING E-001 FOR TYPICAL MOUNTING HEIGHTS, UNLESS MOUNTING HEIGHTS ARE OTHERWISE INDICATED ON PLAN.
- PROVIDE EXPANSION/DEFLECTION FITTINGS FOR ALL RACEWAYS CROSSING BUILDING EXPANSION JOINTS.
- COORDINATE WORK WITH ALL OTHER TRADES TO ENSURE PIPING, DUCTWORK AND ALL OTHER FOREIGN SYSTEMS TO NOT PASS OVER TOP OF ELECTRICAL DISTRIBUTION EQUIPMENT. MAINTAIN ALL WORKING EQUIPMENT AND CLEAR SPACE REQUIREMENTS AS IDENTIFIED IN NEC ARTICLE 110.
- (V) INDICATES ITEM PROVIDED BY VENDOR.

KEYNOTES

- PROVIDE & INSTALL WALL OR TRAPEZE MOUNTED TRANSFORMER SUSPENDED ABOVE ASSOCIATED PANELBOARD, WITH A MINIMUM OF 8'-0" CLEAR HEAD SPACE. COORDINATE THE EXACT LOCATION IN THE FIELD WITH ALL OTHER TRADES WORK TO ENSURE ADEQUATE CLEARANCES AROUND ELECTRICAL EQUIPMENT IS MAINTAINED PER NEC ARTICLE 110.
- FREEZER RECEPTACLES SHALL BE CIRCUITED TO EXISTING PANEL 'S1' LOCATED IN BIOS#1 MECHANICAL ROOM.

OWNER SUPPLIED EQUIPMENT CONNECTION SCHEDULE					
TAG	DESCRIPTION	FULL LOAD AMPS	CIRCUIT BREAKER SIZE	VOLTAGE	NUMBER OF POLES
P.1	AUTOMATION & CONTROLS	45 A	45 A	208 V	2
P.2	-30C REFRIGERATION (A) PRIMARY BAYS 1-10	60 A	60 A	208 V	3
P.2.1	-80C REFRIGERATION (A) PRIMARY BAYS 11-20	60 A	60 A	208 V	3
P.3	-80C REFRIGERATION (B) SECONDARY BAYS 1-10	60 A	60 A	208 V	3
P.3.1	-80C REFRIGERATION (B) SECONDARY BAYS 11-20	60 A	60 A	208 V	3
P.4	REFRIGERATION EXECUTIVE CONTROLLER	70 A	70 A	208 V	2
P.5	-20C ROOM REFRIGERATION BAYS 1-10	7 A	15 A	480 V	3
P.5.1	-20C ROOM REFRIGERATION BAYS 11-20	7 A	15 A	480 V	3
P.6	-20C REDUNDANT ROOM REFRIGERATION BAYS 1-10	7 A	15 A	480 V	3
P.6.1	-20C REDUNDANT ROOM REFRIGERATION BAYS 11-20	7 A	15 A	480 V	3

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FILE NAME	W/M	HSB	RJW	DATE
File Name: N/A	W/M	HSB	RJW	2023.02.21
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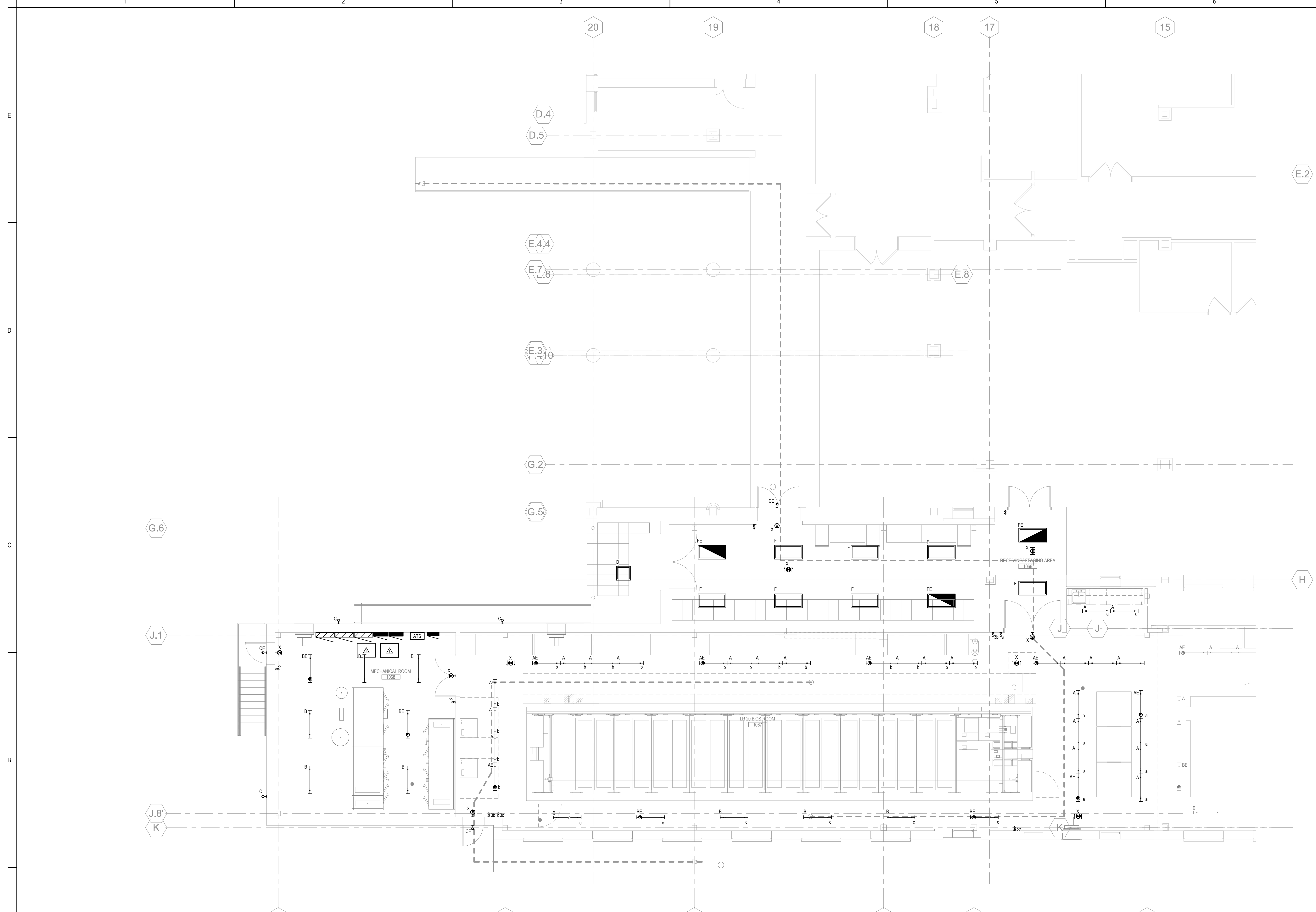
Client/Project
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title
PARTIAL FIRST FLOOR POWER PLAN

Project No. 191501254 Scale 3/16" = 1'-0"
Revision 0 Drawing No. **E-101**



GENERAL NOTES:

- THE LIGHTING SYSTEM SHOWN ON THIS DRAWING IS 208Y/120 VOLT, 3 PHASE 4 WIRE GROUNDING NEUTRAL.
- CONDUIT SHALL BE GALVANIZED ELECTRICAL METALLIC TUBING (EMT) EXCEPT WHERE OTHERWISE NOTED. COUPLINGS AND CONNECTORS TO BE COMPRESSION TYPE. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED.
- ALL WIRE AND CABLE SHALL BE COPPER, N.E. CODE TYPE THIRTYTWO (30) VOLT INSULATION, NOT SMALLER THAN #12 AWG UNLESS OTHERWISE NOTED. (OR EXCEPT CONTROL WIRES) #10 AND SMALLER SHALL BE SOLID. #8 AND LARGER SHALL BE STRANDED.
- GROUNDING INSTALLATIONS SHALL BE DONE IN ACCORDANCE WITH REQUIREMENTS OF THE NATIONAL ELECTRIC CODE AND ALL OTHER APPLICABLE CODES AND REGULATIONS. ALL EQUIPMENT SHALL BE GROUNDING TO THE EQUIPMENT GROUNDING SYSTEM.
- ELECTRICAL CONTRACTOR SHALL FURNISH CONDUIT, WIRING AND EQUIPMENT AS SHOWN ON THIS DRAWING. CONTRACTOR SHALL PERFORM ALL ELECTRICAL INSTALLATION AND CONNECTIONS.
- SWITCHES AND RECEPTACLES SHALL BE MOUNTED 4'-0" ABOVE FLOOR EXCEPT WHERE OTHERWISE NOTED.
- ALL MOUNTING HEIGHTS ARE GIVEN TO BOTTOM OF FIXTURES. COORDINATE EXACT MOUNTING HEIGHTS IN THE FIELD WITH OTHER TRADES WORK, OBSTRUCTIONS ETC.
- ALL WIRES IN LIGHTING PANELS TO BE BUNDLED AND TAPED IN A WORKMANLIKE MANNER.
- ALL BRANCH CONDUITS TO FIXTURES AND DEVICES SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED.
- PANEL SCHEDULES SHALL BE MARKED TO INDICATE CHANGES OR NEW PANEL. SCHEDULE SHALL BE INSTALLED WHEN PROVIDED WITH OTHER DRAWINGS CONTRACTOR TO TYPE SCHEDULE AND PUT IT IN THE DOOR SLOT OF PANEL.
- PROVIDE EXPANSION/DEFLECTION FITTINGS FOR ALL RACEWAYS CROSSING BUILDING EXPANSION JOINTS.
- SEAL ALL WALL AND FLOOR PENETRATIONS WITH APPROVED CAULKING OR FIRESTOPPING. FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS.
- ALL FIXTURES SHALL BE CONNECTED TO EXISTING PANEL "K", CIRCUIT #40 FOR ALL NEW INTERIOR FIXTURES, CIRCUIT #42 FOR ALL NEW EXIT AND EXTERIOR LIGHTS. UNLESS NOTED OTHERWISE, PROVIDE AND INSTALL (2) 20A/1P BREAKERS IN PANEL AS REQD.
- FIXTURES DESIGNATED AS EMERGENCY TYPE SHALL BE PROVIDED WITH AN ADDITIONAL UN-SWITCHED HOT LEG CONNECTED AHEAD OF ALL LOCAL SWITCHES AND CONTROLS FOR CONNECTION TO THE FIXTURES INTEGRAL EMERGENCY BATTERY PACK.

1 PARTIAL FIRST FLOOR LIGHTING PLAN
3/16" = 1'-0"

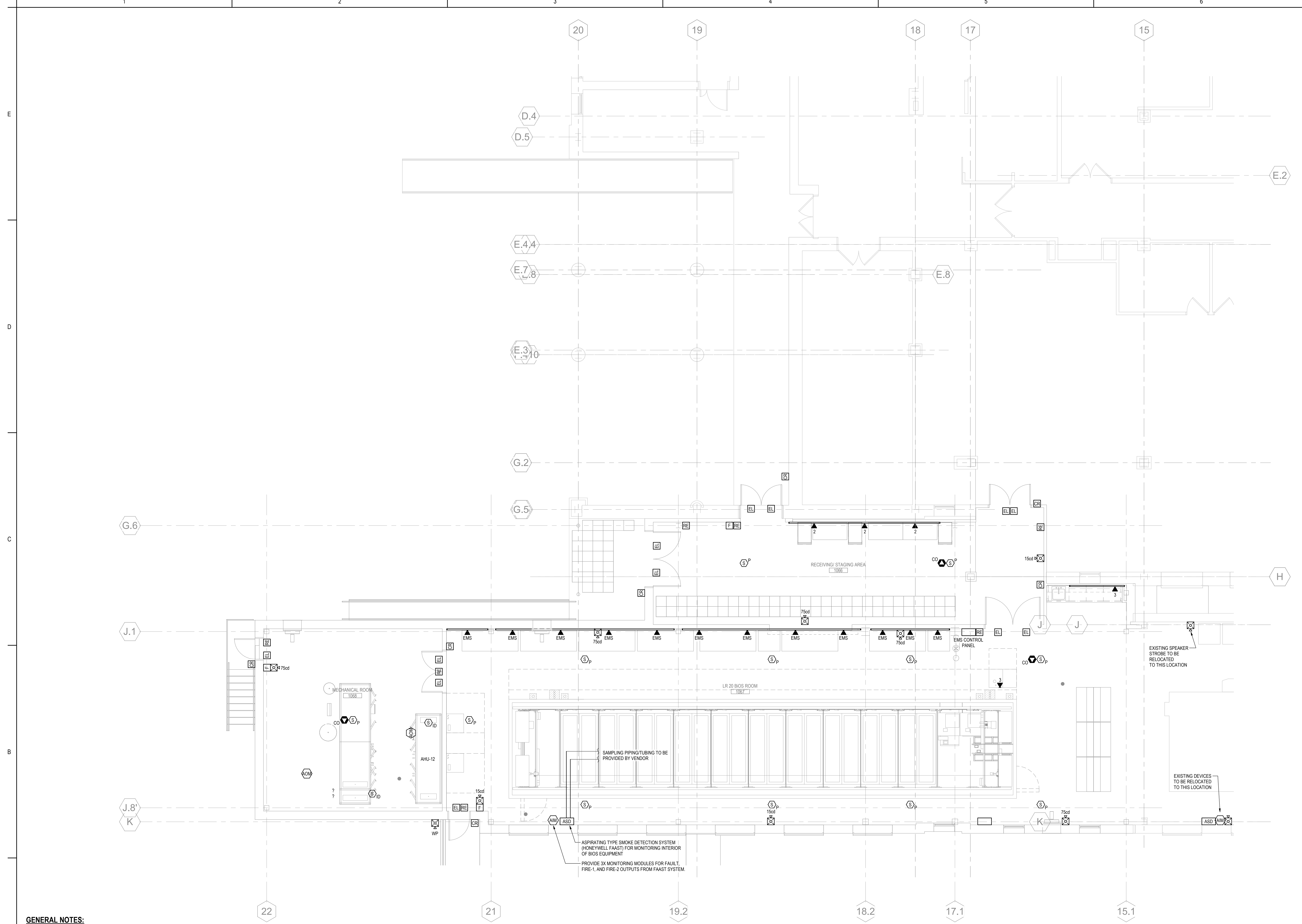
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Client/Project
Pfizer Global Research and Development
Hamilton BiOS #2 Addition
Pearl River, NY
Title
PARTIAL FIRST FLOOR LIGHTING PLAN

Project No.	Scale
191501254	3/16" = 1'-0"
Revision	Drawing No.
0	E-201



GENERAL NOTES:

- UNLESS OTHERWISE DIRECTED BY THE FIRE ALARM VENDOR, WIRING SHALL BE TEFLON INSULATED AND JACKETED FIRE ALARM RATED CABLES # 14 AWG MINIMUM IN 3/4" EMT.
- PROVIDE ALL NECESSARY EQUIPMENT, DEVICES, WIRING, ETC. REQUIRED TO MAKE THE INSTALLATION COMPLETE AND IN CONFORMANCE WITH ALL CODES.
- ALL FIRE ALARM DEVICES SHALL BE TESTED & ADJUSTED TO WORK PROPERLY AND LEFT IN PERFECT OPERATING CONDITION.
- ACTIVATION OF DUCT DETECTOR OR ANY OTHER DETECTOR SHALL IMMEDIATELY AND COMPLETELY SHUT DOWN THE VENTILATION SYSTEM. MANUAL OPERATION REQUIRED FOR RESTARTING UNIT.
- MAXIMUM OF TWO DUCT DETECTORS PERMITTED TO BE PROGRAMMED IN EACH ZONE.
- FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL FAULT ISOLATOR MODULES BETWEEN GROUPS OF ADDRESSABLE DEVICES AS REQUIRED.
- MAGLOCKS SHALL DEENERGIZE UPON BUILDING FIRE ALARM CONDITION.

1 PARTIAL FIRST FLOOR SYSTEMS PLAN
E-301 3/16" = 1'-0"

Issued/Revision	By	Appd	Date
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			YYYY.MM.DD

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	Dwn	Dgn	Chkd	YYYY.MM.DD

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Client/Project Logo



Client/Project
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title
PARTIAL FIRST FLOOR SYSTEMS PLAN

Project No.
191501254

Revision
0

Scale
3/16" = 1'-0"

Drawing No.
E-301