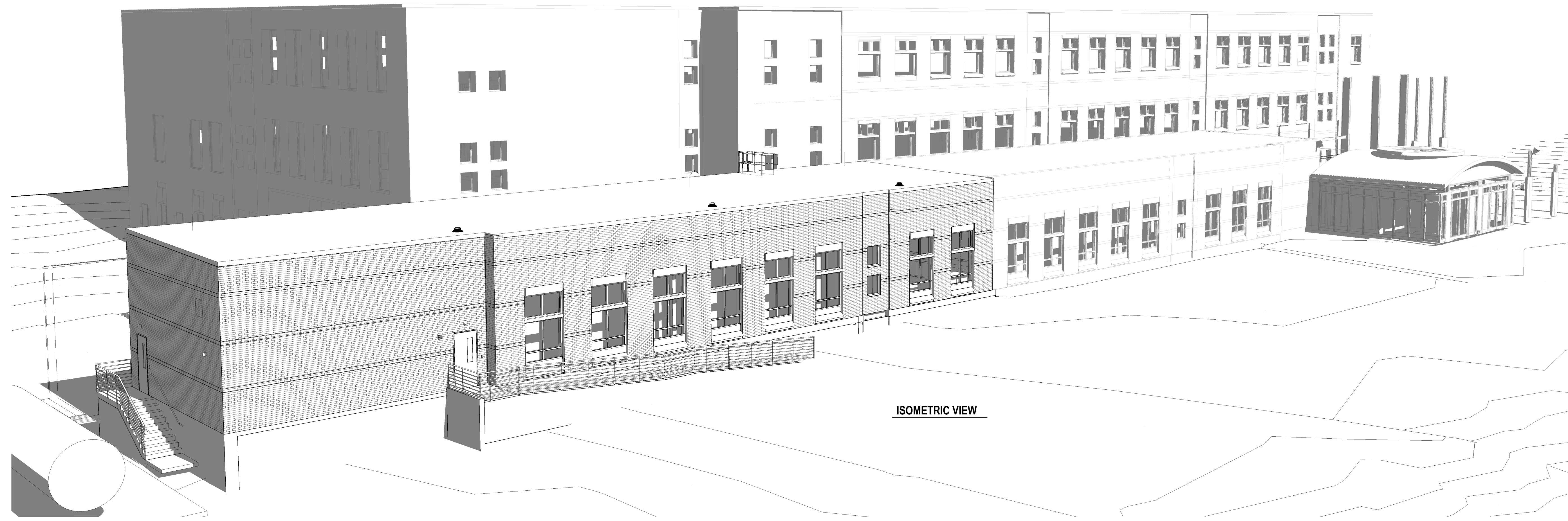
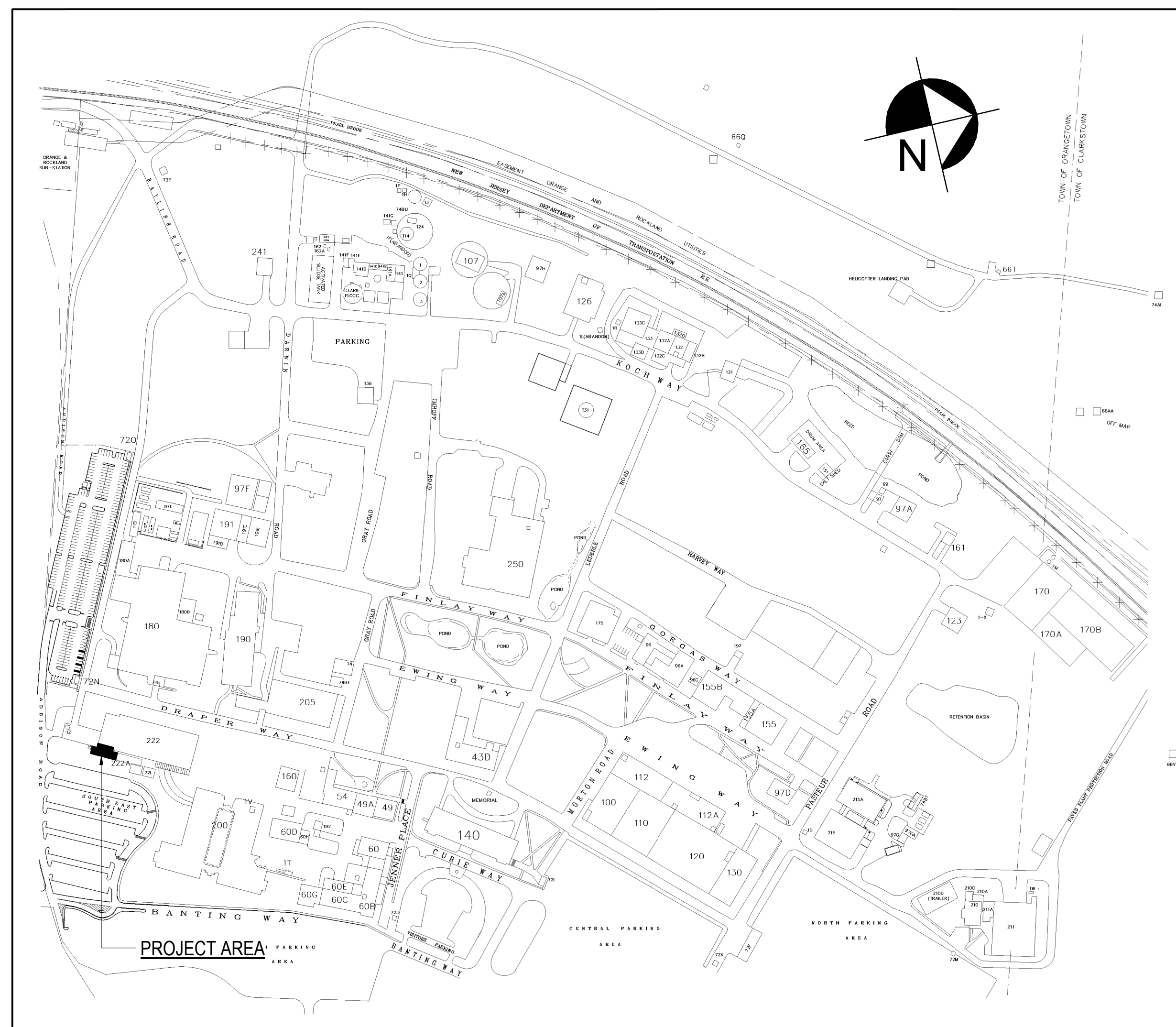




# PEARL RIVER, NY HAMILTON BIOS #2 ADDITION



ISOMETRIC VIEW



DRAWING LIST			
NO.	DRAWING NAME	REV	DATE
<b>GENERAL</b>			
G-001	COVER SHEET/LOCATION MAP	2	2023.06.07
G-002	NEW YORK STATE BUILDING CODE COMPLIANCE ASSESSMENT	2	2023.06.07
<b>CIVIL</b>			
GI-002	GENERAL NOTES	1	2023.06.07
GI-101	OVERALL SITE PLAN	0	2023.06.07
VT-01	TOPOGRAPHIC SURVEY BUILDING 222 EXISTING CONDITIONS PLAN	0	2023.02.10
CS-003	CIRCULATION EASEMENT SITE PLAN LOT 1 SUBDIVISION	4	2015.05.18
CU-001	DRAINAGE EASEMENT PLAN LOT 1 SUBDIVISION	1	2015.05.18
CU-002	SEWER AND WATER EASEMENT PLAN LOT 1 SUBDIVISION	1	2015.05.18
CP-101	SITE PREPARATION PLAN	1	2023.06.07
CE-101	SEDIMENT & EROSION CONTROL PLAN	0	2023.06.07
CS-101	SITE LAYOUT PLAN	1	2023.06.07
CU-101	SITE UTILITY PLAN	1	2023.06.07
CU-301	SITE STORM PROFILES	0	2023.06.07
CU-302	SITE STORM PROFILES	0	2023.06.07
LP-101	LANDSCAPE & PLANTING PLAN	0	2023.06.07
CD-501	SITE DETAILS	1	2023.06.07
CD-502	SITE DETAILS	1	2023.06.07
CD-503	SITE DETAILS	1	2023.06.07
CD-504	SITE DETAILS	1	2023.06.07
CD-505	SITE DETAILS	1	2023.06.07
<b>STRUCTURAL</b>			
S-000	NOTES	2	2023.06.07
S-001	SPECIAL INSPECTION	2	2023.06.07
S-100	FOUNDATION PLAN	2	2023.06.07
S-200	ROOF FRAMING PLAN	2	2023.06.07
S-300	TYPICAL CONCRETE DETAILS	2	2023.06.07
S-301	TYPICAL CONCRETE DETAILS AND SECTIONS	2	2023.06.07
S-302	FOUNDATION SECTIONS	0	2023.06.07
S-303	FOUNDATION SECTIONS	0	2023.06.07
S-310	TYPICAL MASONRY DETAILS	0	2023.06.07
S-320	TYPICAL FRAMING DETAILS	2	2023.06.07
S-321	FRAMING SECTIONS	2	2023.06.07
<b>ARCHITECTURE</b>			
A-001	ARCHITECTURAL SYMBOLS AND ABBREVIATIONS	2	2023.06.07
A-002	PARTIAL FIRST FLOOR LIFE SAFETY PLAN	2	2023.06.07
A-003	MOUNTING HEIGHTS AND ACCESSIBILITY DRAWINGS	2	2023.06.07
AD-101	ARCHITECTURAL PARTIAL FIRST FLOOR DEMOLITION PLANS	2	2023.06.07
AD-300	DEMOLITION WALL SECTIONS	1	2023.06.07
A-100	ARCHITECTURAL FIRST FLOOR PLAN KEY PLAN	2	2023.06.07
A-101	ARCHITECTURAL ENLARGED DOCK INSTALLATION PLAN	1	2023.06.07
A-102	ARCHITECTURAL PARTIAL ENLARGED PLAN	2	2023.06.07
A-103	ARCHITECTURAL PARTIAL REFLECTED CEILING PLAN	1	2023.06.07

DRAWING LIST			
NO.	DRAWING NAME	REV	DATE
A-104	ARCHITECTURAL PARTIAL ROOF PLAN	2	2023.06.07
A-105	ARCHITECTURAL PARTIAL GENERAL ARRANGEMENT PLAN	2	2023.06.07
A-200	ARCHITECTURAL ELEVATIONS AND SECTION	2	2023.06.07
A-300	ARCHITECTURAL WALL SECTIONS	2	2023.06.07
A-301	ARCHITECTURAL WALL SECTIONS	2	2023.06.07
A-302	ARCHITECTURAL WALL SECTIONS	1	2023.06.07
A-501	WALL CONNECTION DETAILS	0	2023.06.07
A-503	ARCHITECTURAL WINDOW DETAILS	1	2023.06.07
A-504	DETAILS	1	2023.06.07
A-600	PARTITION TYPES, SCHEDULES AND DETAILS	2	2023.06.07
A-601	DOOR TYPES, SCHEDULE AND DETAILS	2	2023.06.07
<b>MECHANICAL</b>			
M000	MECHANICAL NOTES, SYMBOLS, AND ABBREVIATIONS	2	2023.06.07
MD100	MECHANICAL PIPING FIRST FLOOR DEMOLITION PLAN	0	2023.06.07
MH100	MECHANICAL HVAC FIRST FLOOR INSTALLATION PLAN	2	2023.06.07
MP100	MECHANICAL PIPING FIRST FLOOR INSTALLATION PLAN	2	2023.06.07
M200	AHU-11 AND AHU-12 AIRFLOW DIAGRAMS	2	2023.06.07
M201	CHILLED WATER FLOW DIAGRAM	2	2023.06.07
M202	HEATING HOT WATER FLOW DIAGRAM	2	2023.06.07
M500	MECHANICAL DETAILS	2	2023.06.07
M501	MECHANICAL SCHEDULES AND SEQUENCES	2	2023.06.07
M600	MECHANICAL DETAILS AND SEQUENCES	2	2023.06.07
<b>PLUMBING</b>			
P000	PLUMBING NOTES, SYMBOLS, AND ABBREVIATIONS	0	2023.06.07
P100	PLUMBING STORM AND SANITARY PLANS	2	2023.06.07
P101	PLUMBING FIRST FLOOR DOMESTIC AND PROCESS GAS PLAN	2	2023.06.07
P200	COMPRESSED AIR AND LIQUID NITROGEN FLOW DIAGRAM	2	2023.06.07
P500	PLUMBING DETAILS, RISER DIAGRAMS, AND SCHEDULES	2	2023.06.07
<b>FIRE PROTECTION</b>			
FP-000	FIRE PROTECTION NOTES, SYMBOLS, AND ABBREVIATIONS	2	2023.06.07
FP-100	FIRST FLOOR FIRE PROTECTION ZONING PLAN AND DETAILS	2	2023.06.07
FP-101	FIRST FLOOR FIRE PROTECTION INSTALLATION PLAN	2	2023.06.07
<b>ELECTRICAL</b>			
E-001	ELECTRICAL LEAD SHEET	2	2023.06.07
E-100	FIRST FLOOR CONDUIT ROUTING PLAN	2	2023.06.07
E-101	PARTIAL FIRST FLOOR POWER PLAN	2	2023.06.07
E-102	PARTIAL FIRST FLOOR PLAN - BLDG 222 MER	0	2023.06.07
E-201	PARTIAL FIRST FLOOR LIGHTING PLAN	2	2023.06.07
E-301	PARTIAL FIRST FLOOR SYSTEMS PLAN	2	2023.06.07
E-601	ELECTRICAL ONE-LINE DIAGRAM	2	2023.06.07
E-602	ELECTRICAL SCHEDULES	2	2023.06.07
ED-101	PARTIAL FIRST FLOOR DEMOLITION PLAN	0	2023.06.07



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Consultant

Notes

NO.	DESCRIPTION	DATE	BY	APP'D
2	PLANNING BOARD SUBMISSION	2023.06.07	EJW	WHD
1	FOR OWNERS REVIEW	2023.06.05	EJW	WHD
0	ISSUED FOR PERMIT	2023.02.22	EJW	WHD
	Issued/Revision		By	App'd
				YYYY.MM.DD



Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
COVER SHEET/LOCATION MAP

Project No. 191501254  
Revision 2  
Scale 12" = 1'-0"  
Drawing No. G-001



**CIVIL GENERAL NOTES**

AREA OF DISTURBANCE = 0.3 AC

**GENERAL**

- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SHOWN ON THE DRAWINGS TO SCALE OR TO THEIR ACTUAL DIMENSION OR LOCATION. COORDINATE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
- DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER. FIELD VERIFY LOCATION OF PROJECT FEATURES.
- PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF BUILDINGS AND ADJACENT SITE ELEMENTS INCLUDING SIDEWALKS, RAMPS, BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOOR PADS, LOADING DOCKS, BOLLARDS, ETC.
- BASE PLAN:
  - "TOPOGRAPHIC SURVEY BUILDING 222 EXISTING CONDITIONS PLAN, PEARL RIVER, NEW YORK", SHEET VT-01, DATED 10/05/2022, SCALE 1"=20' PREPARED FOR PFIZER GLOBAL RESEARCH AND DEVELOPMENT, PREPARED BY FUSS & O'NEILL.
  - "SURVEY OF PROPERTY", SCALE 1"=30', DATED 2016-04-29, PREPARED FOR PFIZER GLOBAL RESEARCH AND DEVELOPMENT, PREPARED BY EDWARD T. GANNON, PLS.
- TOPOGRAPHIC ELEVATIONS ARE BASED ON VERTICAL DATUM NAVD 88, HORIZONTAL DATUM NAD 83.
- ELEVATIONS ARE BASED ON GPS OBSERVATIONS OF CONTROL POINT #1 ORIGINATING FROM THE KEYNET VRS SERVICE UTILIZING GEOID MODEL: GEOID12A (CONUS) WITH A RESULTING ELEVATION OF 334.637 U.S. FEET.
- GEOTECHNICAL DATA WERE OBTAINED FROM:
  - "GEOTECHNICAL REPORT FOR PFIZER BUILDING 222 AND 222A ADDITION HAMILTON BIOS PROJECT" PREPARED FOR ALLIED DRILLING, INC. PREPARED BY DANIEL G. LOUCKS, PE DATED 12 NOVEMBER 2015.
  - LETTER TO PFIZER, MR. JOSEPH DE GRONIMO "RE: SOIL TEST PIT-NEAR PROPOSED BUILDING 223" DATED 3 MAY 2016 BY FARR ENGINEERING.
- FIELD VERIFY DEPTH TO GROUNDWATER PRIOR TO CONSTRUCTION. PROVIDE RESULTS TO ARCHITECT, ENGINEER, AND OWNER.

**WORK RESTRICTIONS**

- DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS.
- SUBMIT SCHEDULE OF PROPOSED WORK TASKS TO PFIZER TWO (2)-WEEKS PRIOR TO COMMENCEMENT OF WORK.

**REGULATORY REQUIREMENTS**

- ADHERE TO ALL FEDERAL, STATE, LOCAL, AND GOVERNING AGENCY REQUIREMENTS.
- BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.
- CONSTRUCTION WILL DISTURB LESS THAN ONE (1) ACRE OF LAND AND A NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SPDES PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITY IS NOT REQUIRED.

**EROSION AND SEDIMENT CONTROL**

- INSTALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY WORK ON THE SITE. REFER TO THE EROSION AND SEDIMENT CONTROL DRAWINGS. ADJUST THE PLACEMENT OF CONTROL MEASURES AS NEEDED TO ACCOUNT FOR FIELD CONDITIONS AND CONSTRUCTION METHODS. ALL AREAS DOWNGRADIENT FROM DISTURBED SOIL SHALL BE ADEQUATELY PROTECTED THROUGHOUT THE CONSTRUCTION.
- IMPLEMENT ALL NECESSARY MEASURES REQUIRED TO CONTROL STORMWATER RUNOFF, DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE. PERFORM CORRECTIVE ACTION AS NEEDED FOR EROSION CLEANUP AND REPAIRS TO OFF SITE AREAS, IF ANY, AT NO COST TO OWNER.
- INSPECT AND MAINTAIN EROSION CONTROL MEASURES PER THE SCHEDULE IN THE EROSION AND SEDIMENT CONTROL DRAWINGS. DISPOSE OF SEDIMENT IN AN UPLAND AREA. DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
- PERFORM CONSTRUCTION SEQUENCING IN SUCH A MANNER TO CONTROL EROSION AND TO MINIMIZE THE TIME THAT EARTH MATERIALS ARE EXPOSED BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED.
- UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, REMOVE AND DISPOSE OF TEMPORARY EROSION CONTROL MEASURES. CLEAN SEDIMENT AND DEBRIS FROM TEMPORARY MEASURES AND FROM PERMANENT STORM DRAIN AND SANITARY SEWER SYSTEMS.

**SITE PREPARATION**

- REMOVE AND DISPOSE OF EXISTING UTILITIES, FOUNDATIONS AND UNSUITABLE MATERIAL BENEATH AND FOR A DISTANCE OF 10 FEET BEYOND THE PROPOSED BUILDING FOOTPRINT INCLUDING EXTERIOR COLUMNS, UNLESS OTHERWISE NOTED.
- THE SITE PREPARATION PLAN IS PROVIDED FOR INFORMATION ONLY AND MAY NOT INDICATE ALL ITEMS REQUIRED TO BE DEMOLISHED AND/OR REMOVED. PERFORM A PRE-BID SITE INSPECTION. COORDINATE DEMOLITION OF UNIDENTIFIED UTILITIES OR STRUCTURES WITH OWNER. DEMOLISH STRUCTURES, SITE IMPROVEMENTS, UTILITIES, ETC. AS REQUIRED TO CONSTRUCT PROPOSED TO CONSTRUCT PROPOSED FACILITY AND UTILITY SERVICES.

**CONSTRUCTION LAYOUT**

- PROVIDE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED SITE IMPROVEMENTS. FIELD VERIFY EXISTING PAVEMENT AND GROUND ELEVATIONS AT THE INTERFACE WITH PROPOSED PAVEMENTS AND DRAINAGE STRUCTURES BEFORE START OF CONSTRUCTION.
- PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, FIELD VERIFY PROPOSED UTILITY ROUTES AND IDENTIFY ANY INTERFERENCES OR OBSTRUCTIONS WITH EXISTING UTILITIES OR PUBLIC RIGHTS-OF-WAY.
- IMMEDIATELY INFORM THE ENGINEER IN WRITING IF EXISTING UTILITY CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED AND IF THE WORK CANNOT BE COMPLETED AS INDICATED.
- DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS NOTED OTHERWISE.
- BOUNDS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.

**EARTHWORK**

- NOTIFY UTILITY LOCATOR SERVICE AT LEAST 72 HOURS BEFORE STARTING EXCAVATION. NY: "DIG SAFELY: NEW YORK" AT 811.
- STOP WORK IN THE VICINITY OF SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA. IMMEDIATELY NOTIFY THE OWNER SO THAT APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. RESUME WORK IN THE IMMEDIATE VICINITY ONLY UPON DIRECTION BY THE OWNER.
- WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, SUBJECT TO REQUIREMENTS OF THE GEOTECHNICAL REPORT, PERFORM EARTHWORK OPERATIONS TO SUBGRADE ELEVATIONS. SEE DRAWINGS BY OTHERS FOR WORK ABOVE SUBGRADE.

**UTILITIES**

- ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
- TERMINATE EXISTING UTILITIES IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. COORDINATE UTILITY SERVICE DISCONNECTS WITH UTILITY REPRESENTATIVES.
- THE TYPE, SIZE AND LOCATION OF DEPICTED UNDERGROUND UTILITIES ARE APPROXIMATE REPRESENTATIONS OF INFORMATION OBTAINED FROM FIELD LOCATIONS OF VISIBLE FEATURES, EXISTING MAPS AND PLANS OF RECORD, UTILITY MAPPING, AND OTHER SOURCES OF INFORMATION OBTAINED BY THE ENGINEER. ASSUME NO GUARANTEE AS TO THE COMPLETENESS, SERVICEABILITY, EXISTENCE, OR ACCURACY OF UNDERGROUND FACILITIES. FIELD VERIFY THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES.
- PAY ALL FEES AND COSTS ASSOCIATED WITH UTILITY MODIFICATIONS AND CONNECTIONS, REGARDLESS OF THE ENTITY THAT PERFORMS THE WORK.
- COORDINATE THE WORK AND WORK SCHEDULE WITH UTILITY COMPANIES. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
- INTERIOR DIAMETERS OF STORM DRAIN AND SANITARY SEWER STRUCTURES SHALL BE DETERMINED BY THE PRECAST MANUFACTURER, BASED ON THE INDICATED PIPE SYSTEM LAYOUT AND LOCAL MUNICIPAL STANDARDS.
 

MINIMUM INTERIOR DIAMETERS:  
0 TO 20 FEET DEEP: 4 FEET.  
20 FEET OR GREATER: 5 FEET.
- RIM ELEVATIONS FOR MANHOLES, VALVE COVERS, GATE AND PULL BOXES, AND OTHER STRUCTURES ARE APPROXIMATE. SET OR RESET RIM ELEVATIONS AS FOLLOWS:
 

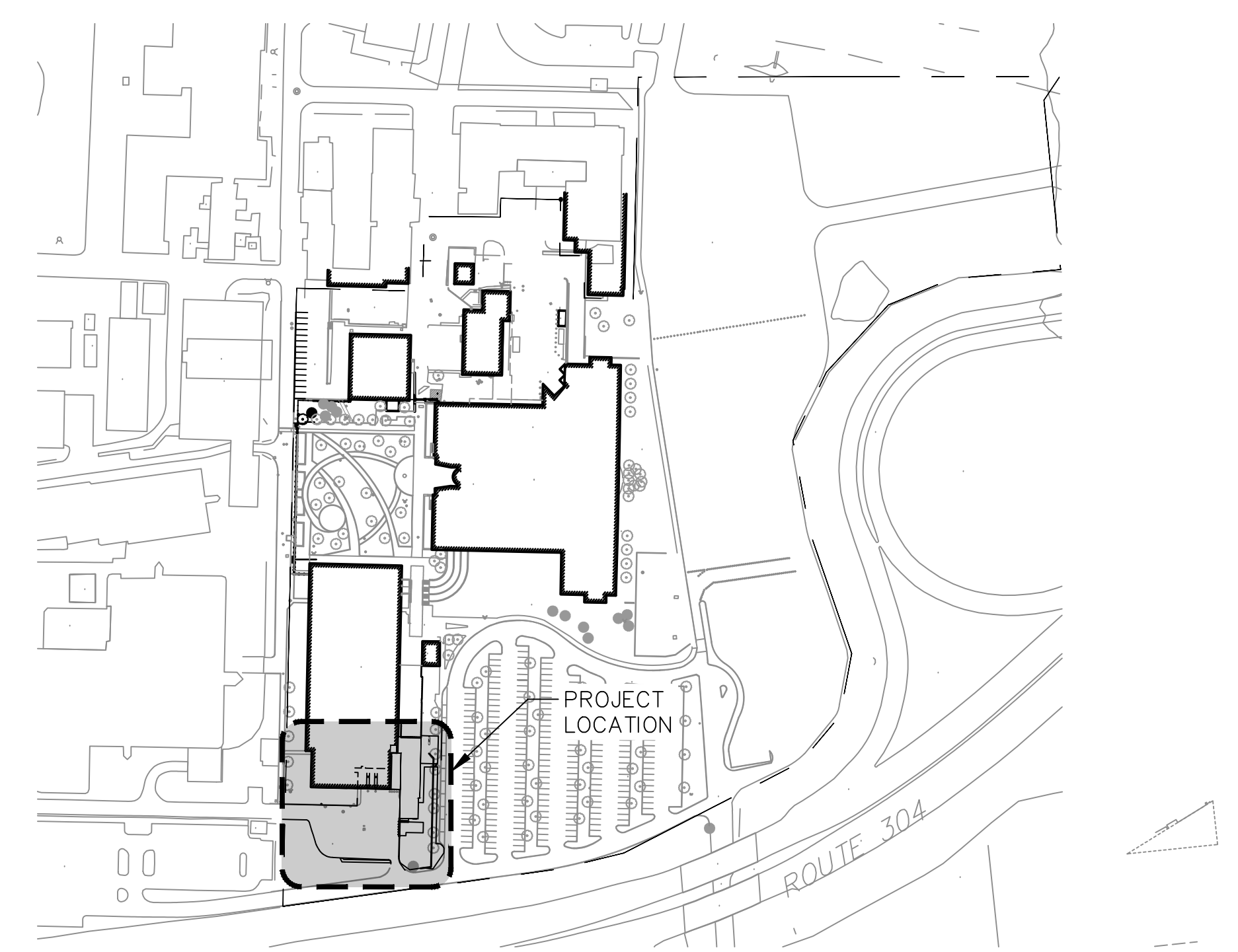
IN PAVEMENTS AND CONCRETE SURFACES: FLUSH  
IN SURFACES ALONG ACCESSIBLE ROUTES: FLUSH  
IN LANDSCAPE, SEEDED, AND OTHER EARTH SURFACE AREAS:  
1 INCH ABOVE SURROUNDING AREA; TAPER EARTH TO RIM ELEVATION.
- INSTALL PROPOSED PRIVATE UTILITY SERVICES ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (WATER, SEWER, GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). COORDINATE FINAL DESIGN LOADS AND LOCATIONS WITH OWNER AND ARCHITECT.
- SITE UTILITY CONTRACTOR TO ENSURE COORDINATION OF SLOPES AND CONNECTION ELEVATIONS WITH THE BUILDING UTILITY CONTRACTOR PROVIDING THE VARIOUS STUB-OUTS.

**PAVEMENT**

- AT A MINIMUM, CONSTRUCT ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).

**SITE RESTORATION**

- PROVIDE 6 INCHES OF TOPSOIL AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED.
- REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO OWNER.
- RESTORE AREAS DISTURBED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION OR BETTER, AT NO ADDITIONAL COST TO OWNER.



**1 SITE LOCATION MAP**  
1"= 20'

PLANNING BOARD RESUBMISSION	LM	CL	2023.04.07
ISSUED FOR PERMIT	LM	CL	2023.02.22
Issued/Revision	By	Appd	YYYY.MM.DD
File Name: DET01.dwg	ID	LD	02/17/23
	Drawn	Diagn	Chkd

Permit/Seal



Client/Project Logo



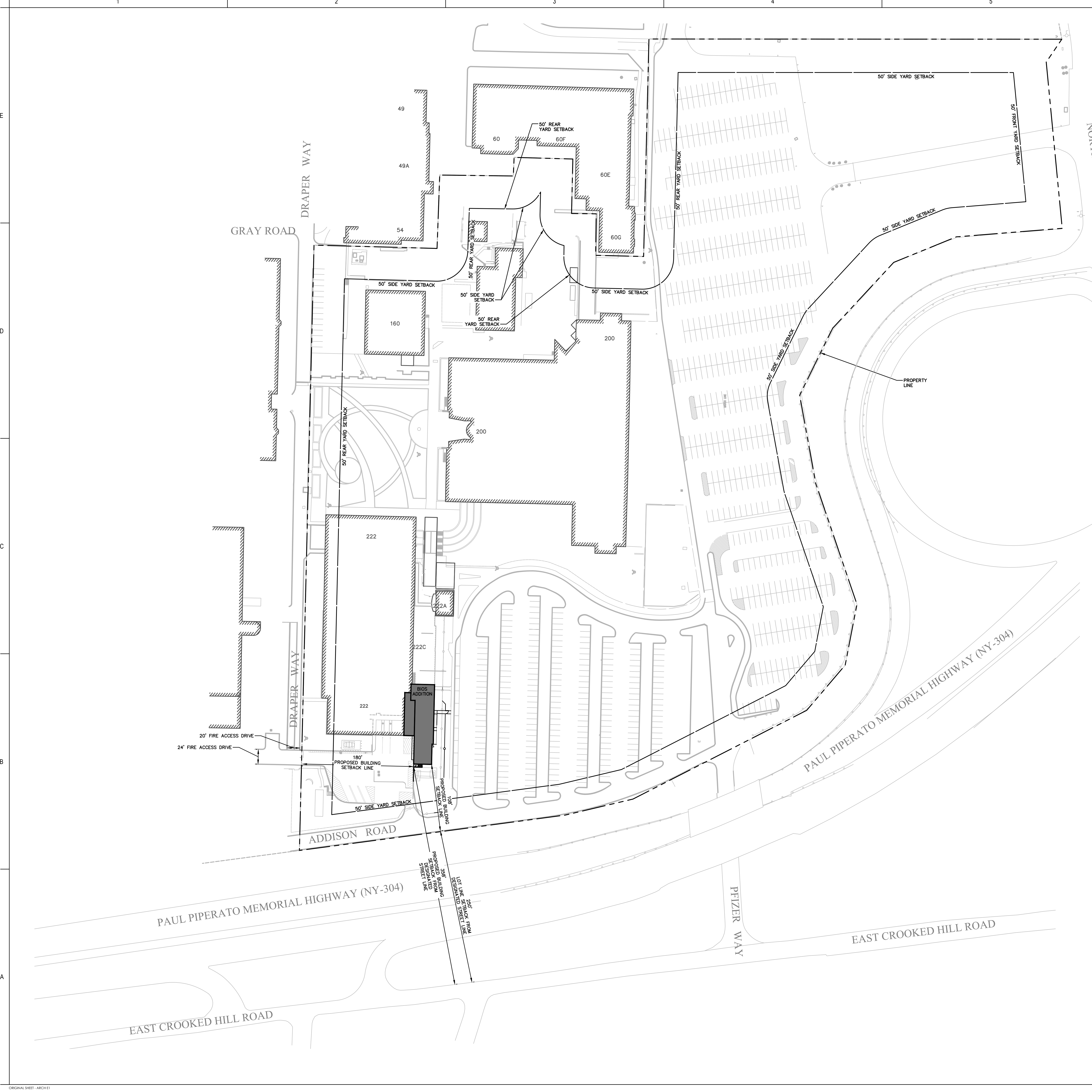
Client/Project  
Pfizer Global Research and Development

Hamilton BIOS #2 Addition

Pearl River, NY

Title  
GENERAL NOTES

File Path: J:\DWG\2023\1124654N\1124654N.dwg; User: STAMSKI; Date: 06/05/2023 3:42 PM; Plot: Monday, June 05, 2023 3:42 PM; User: STAMSKI; Plotter: NONE; C:\B:\File: F02028.MOND.C1B



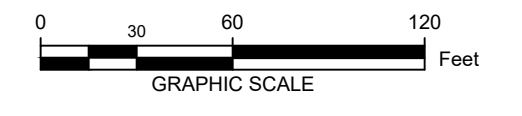
	REQUIRED	EXISTING	PROPOSED
FLOOR AREA RATIO (FAR)	0.50	0.53	0.53
MINIMUM LOT AREA	2 ACRES	22.9± ACRES	22.9± ACRES
MINIMUM LOT WIDTH	150 FT	269± FT	269± FT
MINIMUM LOT FRONTAGE	150 FT	269± FT	269± FT
MINIMUM FRONT YARD	50 FT	218± FT	218± FT
MINIMUM SIDE YARD	50 FT	5± FT	5± FT
TOTAL SIDE YARD	100 FT	230± FT	230± FT
MINIMUM REAR YARD	50 FT	5± FT	5± FT
BUILDING HEIGHT	56 FT (6 IN PER FOOT FROM LOT LINE)	-	24 FT MAX.

**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:	VEOLIA NORTH AMERICA, WTO03
LIGHTING:	PEARL RIVER
ZONING:	LI

**B DISTRICTS SUMMARY**  
NOT TO SCALE

- PLAN NOTES:
- EXISTING CONDITIONS DEPICTED ARE BASED ON THE FOLLOWING:
    - THE PLAN ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY OF PROPERTY LOCATED AT 401 NORTH MIDDLETOWN ROAD, PEARL RIVER, NEW YORK, PREPARED FOR PRIZER, INC." DATED FEBRUARY 17, 2023, PREPARED BY PEREIRA ENGINEERING, LLC, ONE ENTERPRISE DRIVE, SUITE 312, SHELTON, CT 06484.
    - THE PLAN ENTITLED "SURVEY OF PROPERTY" DATED JANUARY 10, 2014 AND REVISED JANUARY 16, 2014 BY EDWARD T. GANNON, P.L.S. OF BLOOMING GROVE, NY 10914 AND THE PLAN ENTITLED "PLANT STORM AND SANITARY SEWER MAIN LINE CONNECTIONS AND OUTLETS" DATED 3/13/2013 BY EDWARD T. GANNON, P.L.S. OF BLOOMING GROVE, NY 10914.
    - EASEMENT INFORMATION TAKEN FROM THE PLAN ENTITLED "PRIZER GLOBAL RESEARCH AND DEVELOPMENT SUBDIVISION MAP" PREPARED BY EDWARD T. GANNON, P.L.S., DATED 04/21/2014.
    - "TOPOGRAPHIC SURVEY BUILDING 222 EXISTING CONDITIONS PLAN, PEARL RIVER, NEW YORK", SHEET VT-01, DATED 10/05/2022, SCALE 1"=20' PREPARED FOR PRIZER GLOBAL RESEARCH AND DEVELOPMENT, PREPARED BY FUSS & O'NEILL.
  - EXISTING FLOOR AREA RATIO, REAR YARD AND SIDE YARD VARIANCES WERE APPROVED IN A LETTER FROM THE ORANGETOWN ZONING BOARD OF APPEALS DATED APRIL 16, 2014, ZBA # 14-25.



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Notes

DATE	BY	APP'D	REVISION
2023.06.07	LM	CL	ISSUED FOR PERMIT
2023.06.07	LM	CL	ISSUED FOR PERMIT



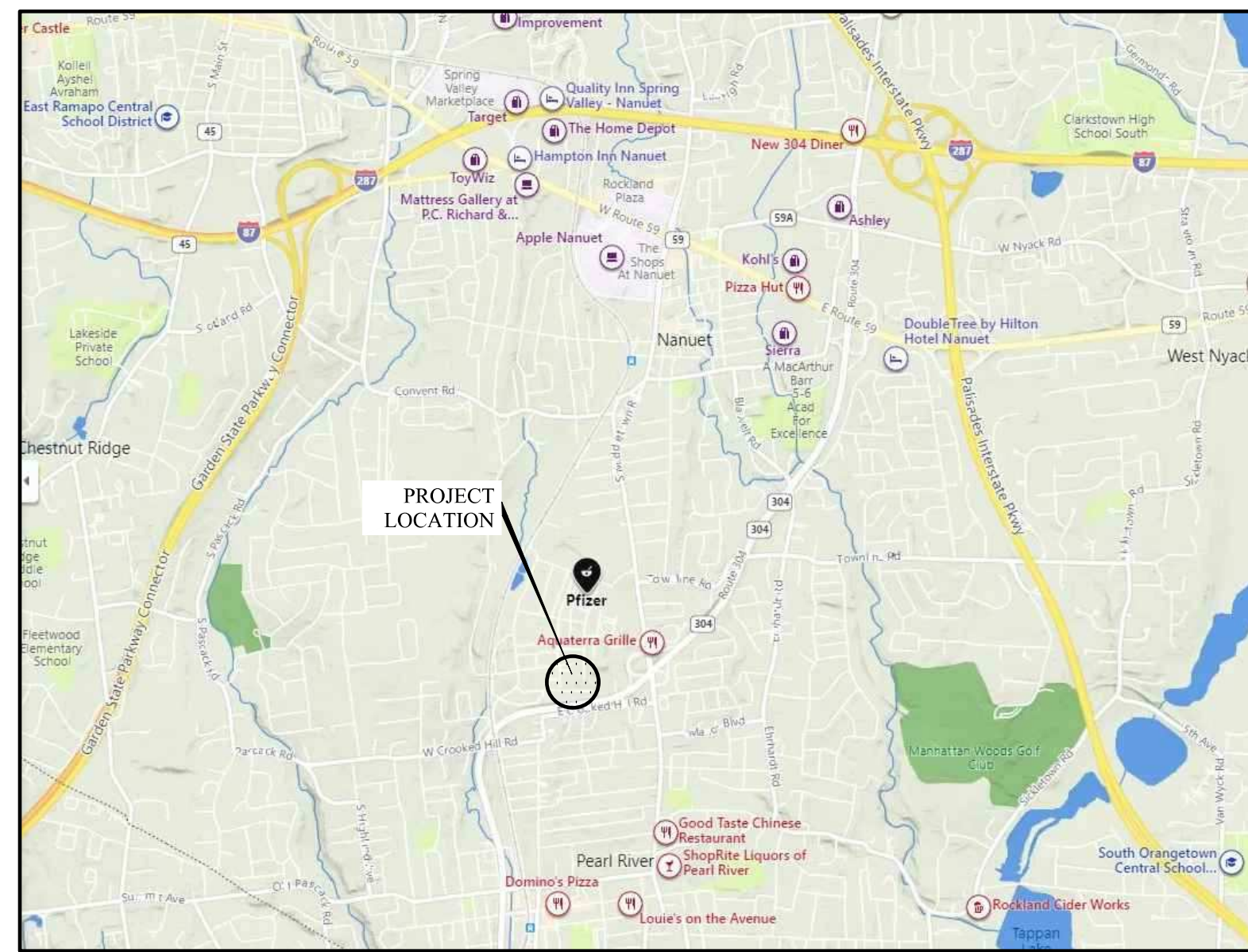
Client/Project  
Pfizer Global Research and Development

Hamilton BIOS #2 Addition

Pearl River, NY

Title  
**OVERALL SITE PLAN**

Project No. 20111246.S4N  
Revision 0  
Scale 1"=50'  
Drawing No. **GI-101**



KEY MAP - N.T.S.

**LEGEND**

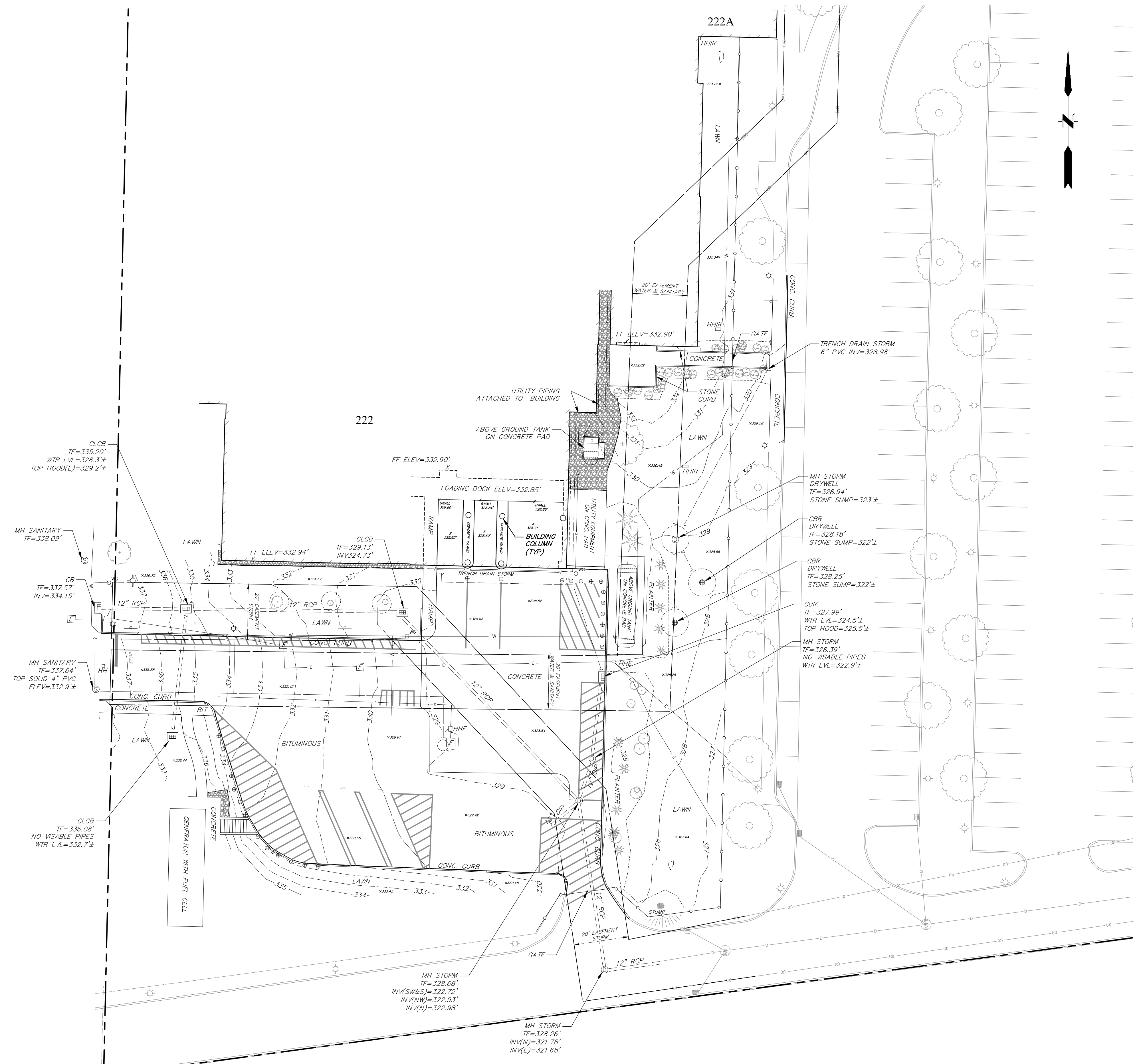
	PROPERTY LINE		WATER VALVE
	EASEMENT LINE		FIRE HYDRANT
	CURB		UTILITY POLE
	EXISTING CONTOUR		GUY WIRE
	INDEX CONTOUR		BOLLARD
	METAL FENCE		SIGN
	STORM DRAINAGE PIPE		GAS GATE
	SANITARY SEWER PIPE		WELL
	WATER MAIN		BUSH
	UNDERGROUND GAS		DECIDUOUS TREE
	UNDERGROUND ELECTRIC		PINE TREE
	SANITARY MANHOLE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

**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: HD\DWG\20111246\$SAN\$Survey\Plan\20111246\$SAN\$SRV01.dwg Layout: VT-01 20 SCALE Pldt: 2023-06-02 2:30 PM Sheet: 2023-06-02 2:33 PM User: ACarson  
 PCS: AUTOCAD PDF (GENERAL DOCUMENTATION) PCS: STB/CBT: FOSTB  
 LAYER: STATE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL	SEAL		

SCALE:  
 HORZ: 1"=20'  
 VERT:  

DATUM:  
 HORZ: NAD 83  
 VERT: NAVD 88

GRAPHIC SCALE

**FUSS & O'NEILL**  
 146 HARTFORD ROAD  
 MANCHESTER, CONNECTICUT 06040  
 861.646.2409  
 www.fundo.com

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

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



**RECORD OWNER**  
**PFIZER, INC.**  
 HANY TALBERT  
 6730 Lenox Center Ct.  
 Memphis, TN 38115

Signature

**SURVEYOR**  
**EDWARD T. GANNON**  
 Cherry Hill Road  
 Blooming Grove, NY 10914

WWW.FandO.COM  
 **FUSS & O'NEILL**  
*Disciplines to Deliver*  
 146 HARTFORD RD MANCHESTER, CT 06040 860.646.2469

**MAP REFERENCE:**  
 UTILITY DRAWINGS PREPARED BY PFIZER, INC.  
 AND WYETH, PEARL RIVER, NY, SCALE: 1" = 100'  
 DATE: VARIOUS, REVISED THROUGH VARIOUS  
 DATES.

REV	DATE	DESCRIPTION	JWM	KES
1	5/18/2015	REVISED FINAL PLANS	JWM	KES
		DESCRIPTION	APPROVAL	

REVISIONS

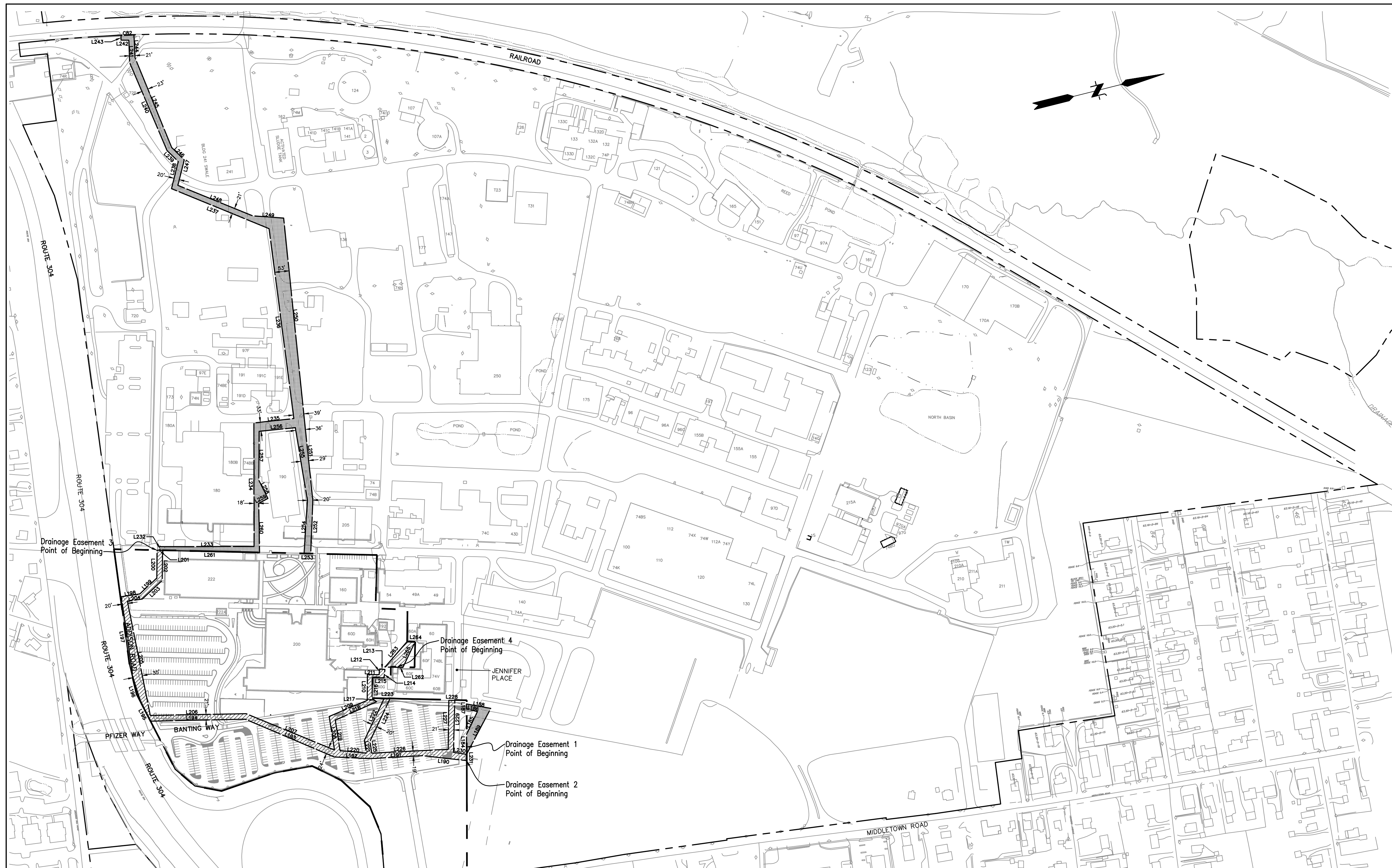
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 **GLOBAL RESEARCH  
 AND DEVELOPMENT**

**DRAINAGE EASEMENT PLAN  
 LOT 1 SUBDIVISION**

SCALE: AS NOTED	PROJ MNGR:
DATE: JANUARY 2014	A/E: FUSS & O'NEILL, INC.
DRAWN BY: BMB/KES	A/E NO: 20111246.A40
FILE NAME: 20111246A10_IDX01	PFIZER NO.
PROJ C/P NO: CU-001.DWG	

SIZE	REV
D	CU-001
	1



**Drainage Easement 1**

LINE	BEARING	DISTANCE
L184	S 89°58'17" W	73.92'
L185	N 64°22'25" W	93.68'
L186	S 13°47'16" W	41.77'
L187	S 89°58'17" W	18.32'
L188	N 10°20'59" E	91.35'
L189	S 62°11'49" E	192.47'

**Drainage Easement 2**

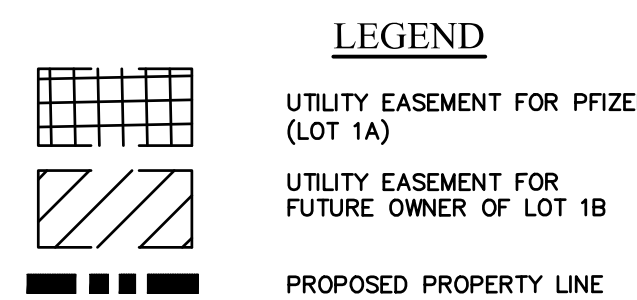
LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L190	S 06°19'53" W	164.73'	L211	N 00°39'19" E	43.24'
L191	S 03°15'10" E	196.48'	L212	N 85°32'05" W	21.12'
L192	S 02°51'11" W	131.00'	L213	N 04°27'55" E	20.00'
L193	S 23°00'37" W	357.98'	L214	S 84°27'09" E	31.11'
L194	S 01°12'39" E	352.11'	L215	S 00°44'28" W	43.05'
L195	S 62°52'56" W	73.96'	L216	S 88°39'23" E	77.26'
L196	S 72°45'46" W	100.08'	L217	N 35°15'49" E	20.97'
L197	S 81°43'39" W	303.03'	L218	S 24°00'00" E	167.81'
L198	N 08°35'26" W	69.27'	L219	N 81°02'19" E	114.10'
L199	N 43°04'01" W	86.29'	L220	N 05°30'04" E	97.53'
L200	N 89°34'27" W	102.79'	L221	S 81°38'31" W	47.42'
L201	N 01°19'24" E	20.78'	L222	N 64°49'00" W	170.72'
L202	S 89°08'45" E	111.12'	L223	N 01°27'57" E	21.89'
L203	S 43°04'01" E	101.02'	L224	S 64°48'05" E	173.50'
L204	S 08°35'26" E	55.62'	L225	N 81°38'31" E	44.54'
L205	N 78°41'11" E	431.51'	L226	N 02°53'10" W	283.62'
L206	N 01°00'16" W	353.64'	L227	N 89°10'54" W	181.68'
L207	N 22°21'19" E	353.76'	L228	N 01°06'04" E	22.15'
L208	S 81°02'19" W	125.90'	L229	S 88°30'24" E	192.56'
L209	N 23°00'04" W	152.87'	L230	N 08°49'13" E	48.89'
L210	N 89°27'36" W	95.64'	L231	N 89°58'17" E	23.06'

**Drainage Easement 3**

LINE	BEARING	DISTANCE	CURVE	RADIUS	ARC LENGTH
L232	N 88°04'25" W	13.89'	C82	5703.15'	47.91'
L233	N 00°05'37" W	348.62'			
L234	S 89°55'42" W	457.82'			
L235	N 06°22'38" W	148.83'			
L236	S 82°34'53" W	709.78'			
L237	S 22°17'36" W	391.15'			
L238	N 75°50'15" W	103.36'			
L239	S 44°33'23" W	58.10'			
L240	S 68°56'01" W	354.69'			
L241	S 88°02'47" W	82.98'			
L242	S 00°35'16" W	28.96'			
L243	N 89°24'44" W	17.31'			
L244	N 87°14'43" E	85.22'			
L245	N 67°48'24" E	358.79'			
L246	N 44°33'23" E	65.51'			
L247	S 75°50'15" E	97.20'			
L248	N 22°10'21" E	299.65'			
L249	N 04°05'45" E	114.97'			
L250	N 84°08'18" E	727.20'			
L251	N 84°02'54" E	324.13'			
L252	S 87°49'18" E	193.19'			
L253	S 01°19'24" W	24.71'			
L254	N 86°28'29" W	198.45'			
L255	S 80°35'08" W	272.83'			
L256	S 05°44'49" E	134.53'			
L257	S 89°27'21" E	180.73'			
L258	N 63°28'24" E	78.19'			
L259	S 28°08'02" E	38.57'			
L260	N 89°05'00" E	182.92'			
L261	S 01°19'24" W	369.42'			

**Drainage Easement 4**

LINE	BEARING	DISTANCE
L262	S 01°18'37" W	66.20'
L263	N 48°59'18" W	123.63'
L264	N 02°23'11" E	29.96'
L265	S 64°22'22" E	103.76'



**PLAN NOTES:**

- EXISTING CONDITIONS WERE TAKEN FROM THE PLAN TITLED "SURVEY OF PROPERTY" DATED JANUARY 10, 2014 AND REVISED JANUARY 16, 2014 BY EDWARD T. GANNON, P.L.S. OF BLOOMING GROVE, NY 10914.
- EXISTING UTILITIES WERE TAKEN FROM PLANS TITLED "SANITARY SEWER DISTRIBUTION SYSTEM" DATED MARCH 18, 1991 AND UPDATED JULY 24, 2012, "STORM SEWER DISTRIBUTION SYSTEM" DATED MARCH 15, 1991 AND UPDATED AUGUST 15, 2007, AND "FIRE PROTECTION WATER DISTRIBUTION SYSTEM" DATED JANUARY 14, 1991 UPDATED JUNE 25, 2012 PROVIDED BY PFIZER-CENTRAL ENGINEERING.
- THE SUBJECT SITE IS LOCATED WITHIN ZONE C ACCORDING TO FLOOD INSURANCE RATE MAP 3608660001C DATE AUGUST 2, 1982.
- EASEMENT INFORMATION TAKEN FROM THE PLAN TITLED "PFIZER GLOBAL RESEARCH AND DEVELOPMENT SUBDIVISION MAP" PREPARED BY EDWARD T. GANNON, P.L.S. DATED 04/21/2014.

**UTILITY NOTES:**

- ALL THE EXISTING UTILITIES ON EACH LOT SHALL BE MAINTAINED AND REPAIRED BY THE CURRENT OWNER.
- UTILITY EASEMENTS ARE A MINIMUM 20 FEET WIDE TO PROVIDE ACCESS FOR MAINTENANCE AND REPAIRS.
- FOR UTILITY EASEMENTS BEARINGS AND DISTANCES SEE DRAINAGE INDEX SHEET IDX-001 AND WATER & SEWER INDEX SHEET IDX-002.
- LOT DRAINAGE SHOWN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND ARE NOT TO BE DISTURBED.
- ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.



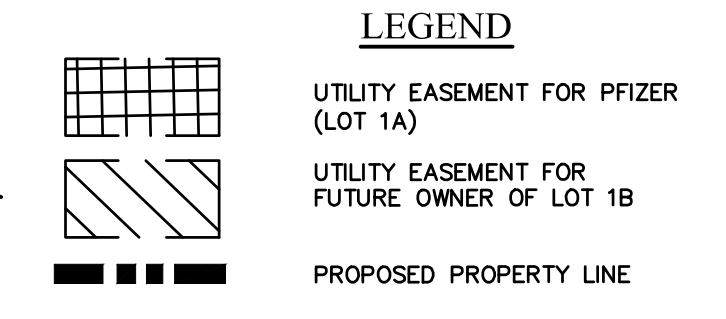


**PLAN NOTES:**

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- EASEMENT INFORMATION TAKEN FROM THE PLAN TITLED "PFIZER GLOBAL RESEARCH AND DEVELOPMENT SUBDIVISION MAP" PREPARED BY EDWARD T. GANNON, P.L.S. DATED 04/21/2014.

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**RECORD OWNER**  
**PFIZER, INC.**  
 HANY TALBERT  
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 Memphis, TN 38115

Signature

**SURVEYOR**  
**EDWARD T. GANNON**  
 Cherry Hill Road  
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WWW.FandO.COM

**FUSS & O'NEILL**  
*Disciplines to Deliver*

146 HARTFORD RD MANCHESTER, CT 06040 860.646.2469

**MAP REFERENCE:**  
 UTILITY DRAWINGS PREPARED BY PFIZER, INC. AND WYETH, PEARL RIVER, NY, SCALE: 1"= 100'  
 DATE: VARIOUS, REVISED THROUGH VARIOUS DATES.

REV	DATE	DESCRIPTION	JWM	KES
1	5/18/2015	REVISED FINAL PLANS	JWM	KES

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHKD

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**GLOBAL RESEARCH AND DEVELOPMENT**

**SEWER AND WATER EASEMENT PLAN**  
**LOT 1 SUBDIVISION**

SCALE: AS NOTED	PROJ MNGR:
DATE: JANUARY 2014	A/E: FUSS & O'NEILL, INC.
DRAWN BY: BMB/KEA	A/E NO: 20111246.A40
FILE NAME: 20111246A10_IDX02	PFIZER NO.
PROJ CFA NO: CU-002.DWG	

SIZE	REV
D	1

**Sewer and Water Easment 1**

LINE	BEARING	DISTANCE
L327	N 89°24'22" E	147.21'
L328	S 01°30'00" E	20.03'
L329	S 88°24'22" W	148.20'
L330	N 01°20'38" E	20.03'

**Sewer and Water Easment 2 Exclusion - A**

LINE	BEARING	DISTANCE
L397	S 01°38'58" W	185.86'
L398	N 84°47'50" W	71.06'
L399	N 00°09'55" E	125.79'
L400	N 54°44'40" E	92.77'

**Sewer and Water Easment 2 Exclusion - B**

LINE	BEARING	DISTANCE
L401	S 01°26'15" W	22.49'
L402	S 48°26'57" E	46.52'
L403	S 89°17'38" W	55.78'
L404	N 35°47'08" W	72.60'
L405	S 85°43'32" E	65.16'

**Sewer and Water Easment 2**

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L331	S 47°58'03" E	157.60'	L364	S 01°26'15" W	32.22'
L332	S 14°12'44" W	85.43'	L365	S 48°26'57" E	59.23'
L333	S 33°30'21" E	128.03'	L366	N 78°20'30" E	66.67'
L334	S 26°16'54" W	150.41'	L367	N 06°05'18" E	58.05'
L335	S 01°38'58" W	212.30'	L368	N 54°44'40" E	121.75'
L336	S 89°04'42" W	23.97'	L369	N 18°54'34" E	114.81'
L337	S 00°54'48" E	218.40'	L370	N 33°12'27" W	123.75'
L338	N 81°39'55" W	28.38'	L371	N 13°42'48" E	83.49'
L339	N 01°19'23" W	195.96'	L372	N 59°21'34" W	81.84'
L340	N 84°30'19" W	74.79'	L373	N 88°58'18" W	97.47'
L341	N 03°33'38" E	50.88'	L374	S 22°58'15" W	116.83'
L342	N 84°24'29" W	27.23'	L375	S 52°41'49" W	73.82'
L343	N 48°26'57" W	48.32'	L376	S 82°40'14" W	128.96'
L344	S 89°17'38" W	89.18'	L377	S 53°29'15" W	76.76'
L345	N 40°51'57" W	85.60'	L378	S 69°57'24" W	98.78'
L346	S 48°54'42" W	58.34'	L379	N 85°23'49" W	57.69'
L347	S 01°20'34" W	106.61'	L380	N 01°19'24" E	81.81'
L348	S 46°08'28" W	75.29'	L381	S 87°44'46" E	53.05'
L349	S 02°22'54" W	162.73'	L382	N 04°06'30" E	208.41'
L350	N 89°18'50" W	204.47'	L383	S 88°32'40" E	20.00'
L351	N 01°19'24" E	20.00'	L384	S 01°40'44" W	211.16'
L352	S 89°18'28" E	184.83'	L385	N 86°06'55" E	77.83'
L353	N 02°22'54" E	151.34'	L386	N 31°59'04" E	71.56'
L354	N 46°08'28" E	75.08'	L387	N 86°37'19" E	132.47'
L355	N 01°17'37" E	157.05'	L388	N 00°45'56" W	167.40'
L356	N 85°47'42" W	55.05'	L389	N 87°35'28" E	50.30'
L357	N 46°08'28" W	55.56'	L390	N 18°07'19" W	116.93'
L358	S 84°44'21" W	144.97'	L391	S 88°28'15" E	23.78'
L359	N 01°19'24" E	23.40'	L392	S 21°08'46" E	106.36'
L360	N 86°05'30" E	151.60'	L393	S 00°44'28" W	66.80'
L361	S 30°48'44" E	54.54'	L394	N 80°16'22" E	56.25'
L362	N 88°42'32" E	105.67'	L395	S 88°39'23" E	77.26'
L363	S 78°18'22" E	114.39'	L396	N 01°20'37" E	41.18'

**Sewer and Water Easment 3**

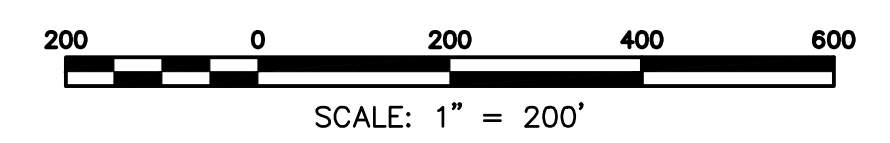
LINE	BEARING	DISTANCE
L406	S 01°20'37" W	41.18'
L407	N 88°39'23" W	19.93'
L408	N 01°56'59" E	39.07'
L409	N 85°09'08" E	19.63'

**Sewer and Water Easment 4 Exclusion - A**

LINE	BEARING	DISTANCE
L459	N 88°47'50" W	248.75'
L460	N 01°12'10" E	100.45'
L461	N 89°36'59" E	214.10'
L462	S 47°15'48" E	44.67'
L463	S 00°14'33" W	76.77'

**Sewer and Water Easment 4**

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L410	N 88°28'05" W	6.26'	L435	N 64°43'59" E	150.00'
L411	N 00°14'10" W	22.46'	L436	S 79°53'10" E	80.00'
L412	S 86°16'30" W	95.99'	L437	N 81°50'55" E	189.71'
L413	N 04°35'06" W	128.51'	L438	S 08°09'05" E	114.98'
L414	N 72°41'48" W	191.22'	L439	N 80°06'10" E	164.45'
L415	N 00°14'33" E	16.02'	L440	N 64°44'59" E	146.84'
L416	N 89°17'21" W	269.09'	L441	N 31°39'28" E	68.63'
L417	N 01°12'10" E	122.23'	L442	N 86°39'40" E	64.23'
L418	S 89°36'59" W	689.48'	L443	S 03°10'53" E	60.80'
L419	S 80°55'21" W	163.36'	L444	N 84°11'35" E	137.53'
L420	S 07°37'42" E	271.58'	L445	S 82°37'26" E	186.89'
L421	S 82°19'41" W	200.00'	L446	S 85°22'03" E	295.04'
L422	N 07°40'19" W	175.00'	L447	S 73°03'29" E	143.55'
L423	N 71°23'11" W	55.00'	L448	S 00°07'56" W	125.70'
L424	N 77°50'04" W	140.00'	L449	S 68°41'12" E	65.98'
L425	S 00°30'26" W	387.80'	L450	N 03°57'42" E	106.78'
L426	S 14°50'24" W	158.11'	L451	S 86°02'18" E	30.00'
L427	S 21°30'41" E	296.82'	L452	S 03°57'42" W	111.28'
L428	S 03°26'44" E	176.71'	L453	S 67°27'17" E	83.36'
L429	S 86°33'16" W	20.00'	L454	S 08°14'30" E	80.50'
L430	N 03°26'44" W	173.53'	L455	N 88°40'13" E	47.85'
L431	N 21°30'41" W	300.22'	L456	N 00°07'28" E	79.18'
L432	N 14°55'16" E	142.64'	L457	S 85°14'47" E	46.73'
L433	N 03°57'51" W	372.02'	L458	S 01°19'24" W	367.47'
L434	N 01°51'44" E	175.00'			

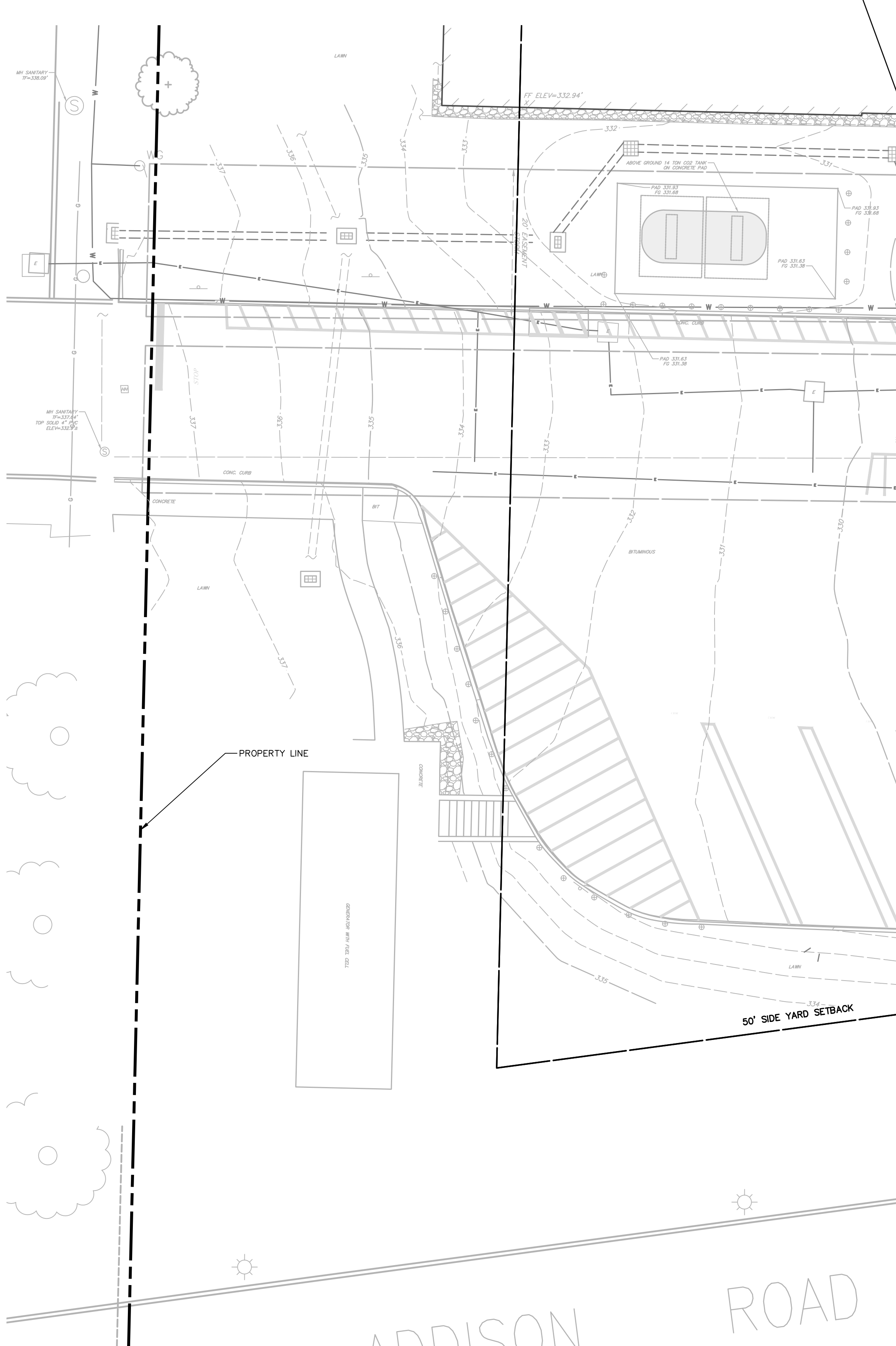
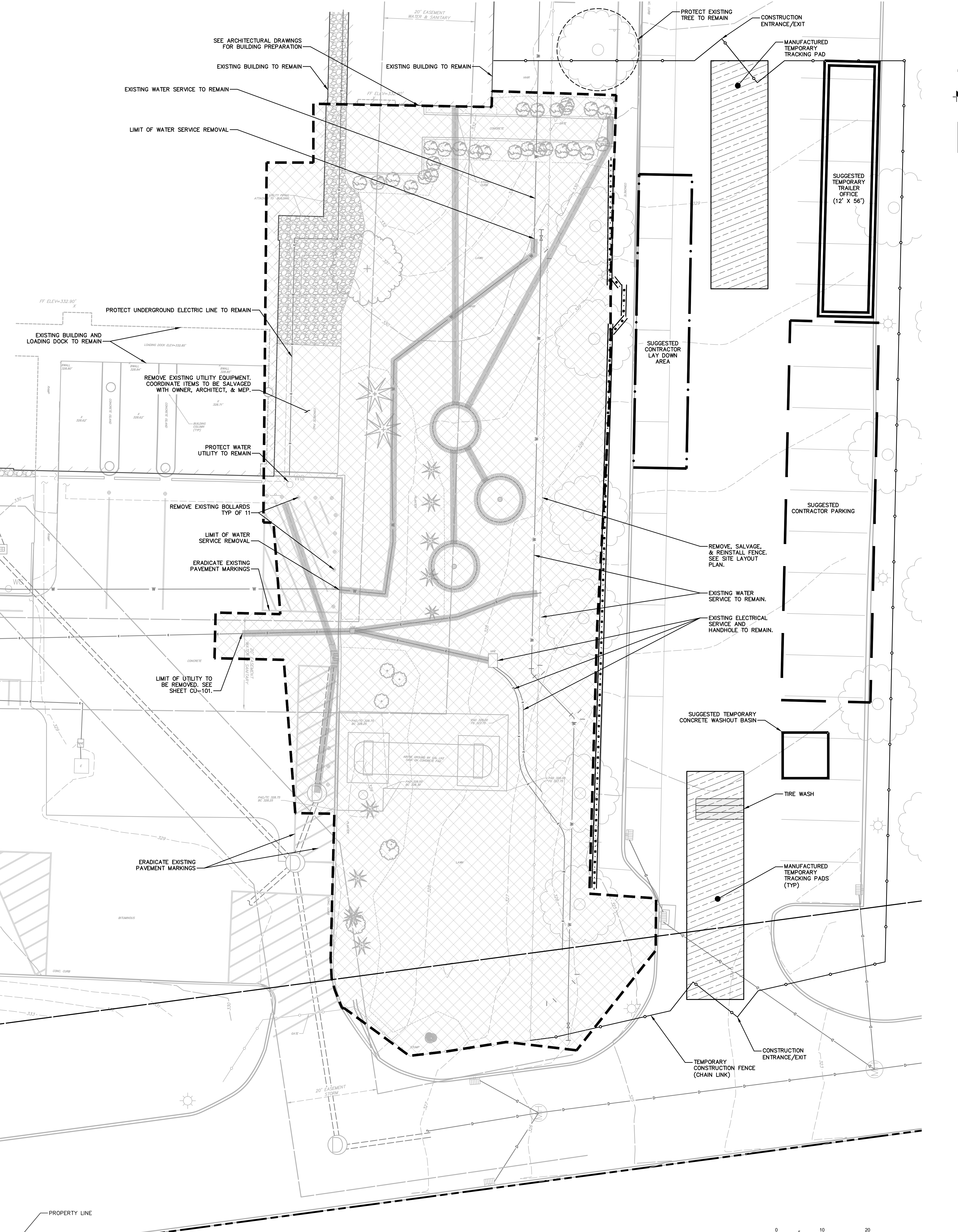




- LEGEND:**
- (TYP) TYPICAL, REFER TO DETAILS
  - UTILITY CURB EXISTING SITE CONDITIONS LABEL
  - LIMIT OF WORK
  - EXISTING UTILITY TO BE REMOVED
  - TREE PROTECTION (TYP)
  - EXISTING STORM SEWER PIPE (TYP)
  - AREA OF DISTURBANCE=0.3 AC

- 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 WALK). 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 ON THE SOUTH SIDE OF B222. REMOVE EXISTING IRRIGATION SYSTEMS WITHIN THE BIOS FOOTPRINT AND ADJACENT LAWN AREAS. 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 STOCKPIILING OF EARTH UNDERNEATH THE TREES.
  - c. TREES DESIGNATED TO BE PRESERVED SHALL BE MARKED CONSPICUOUSLY ON ALL SIDES AT 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. A BARRIER OF SNOW FENCE OR EQUAL IS TO BE PLACED AND MAINTAINED ONE YARD BEYOND THE ESTABLISHED TREE PROTECTION ZONE. IF IT IS AGREED THAT THE TREE PROTECTION ZONE OF A SELECTED TREE MUST BE VIOLATED, ONE OF THE FOLLOWING METHODS MUST BE EMPLOYED TO MITIGATE THE IMPACT:
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.

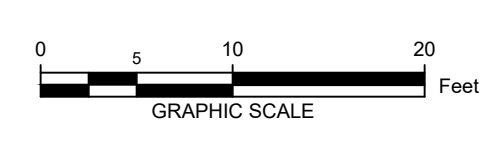


**DATUM NOTES:**  
VERTICAL: NAVD 88  
HORIZONTAL: NAD 83

ELEVATIONS ARE BASED ON GPS OBSERVATIONS OF CONTROL POINT #1 ORIGINATING FROM THE KEYNET VRS SERVICE UTILIZING GEOID MODEL: GEOID12A (CONUS) WITH A RESULTING ELEVATION OF 334.637 U.S. FEET.

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PLANNING BOARD RESUBMISSION	LM	CL	2023.04.07
ISSUED FOR PERMIT	LM <td>CL <td>2023.02.22</td> </td>	CL <td>2023.02.22</td>	2023.02.22
Issued/Revision	By	Appd	YYYY.MM.DD
File Name: ERO01.dwg	ID	TD	02/17/23
	Drawn	Chkd.	YYYY.MM.DD



Client/Project  
Pfizer Global Research and Development

Hamilton BIOS #2 Addition

Pearl River, NY

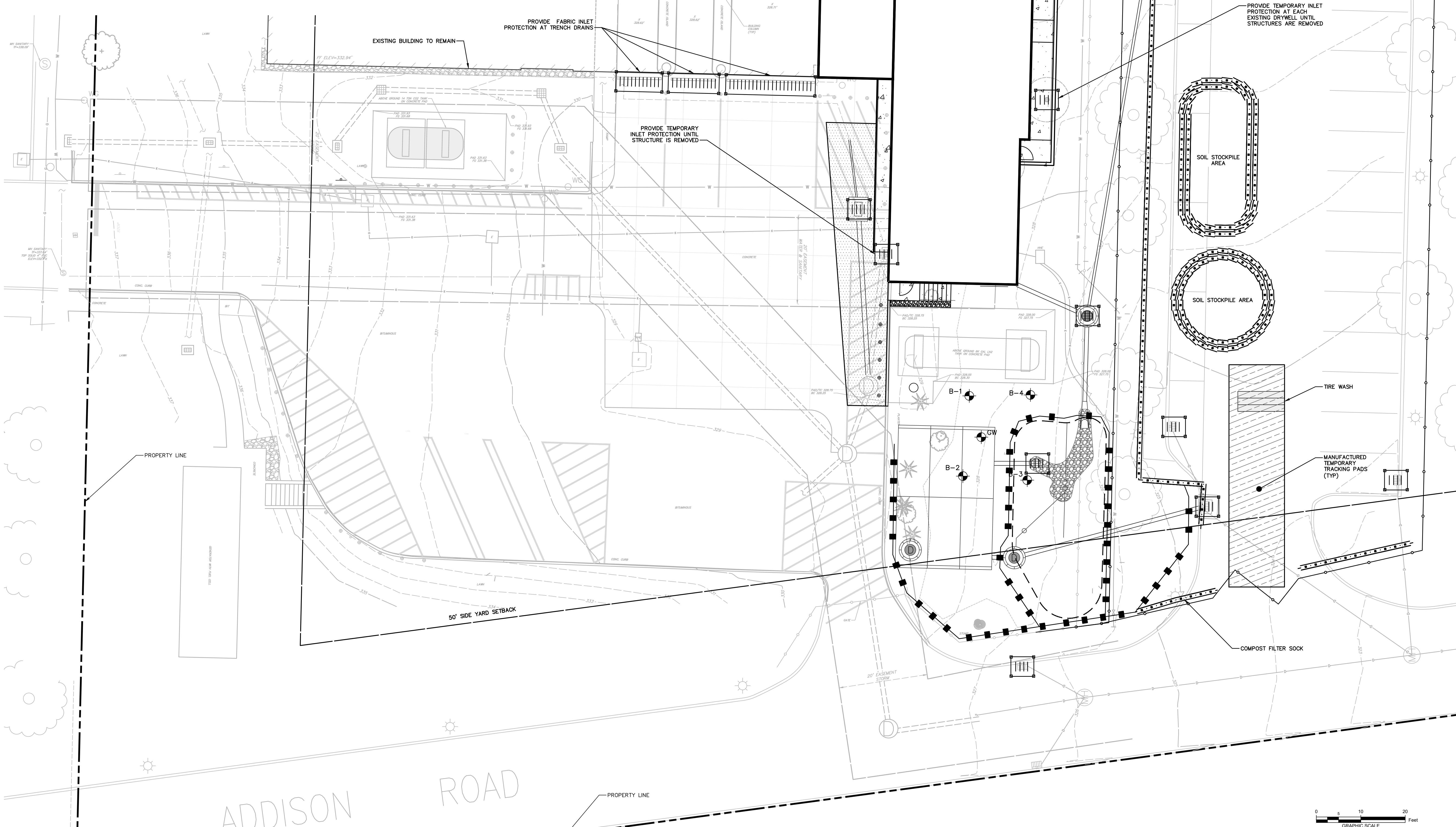
Title  
SITE PREPARATION PLAN

Project No. 2011246.S4N  
Revision 1  
Scale 1"=10'  
Drawing No. CP-101

- LEGEND:**
- (TYP) TYPICAL, REFER TO DETAILS
  - EXISTING SITE CONDITIONS LABEL
  - SILT FENCE (TYP)
  - COMPOSITE FILTER SOCK (TYP)
  - FABRIC INLET PROTECTION (TYP)
  - EXISTING STORM SEWER PIPE (TYP)
  - PROPOSED STORM SEWER PIPE (TYP)
- AREA OF DISTURBANCE = 0.3 AC

- NOTES:**
1. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
  2. TOPOGRAPHIC ELEVATIONS ARE BASED ON VERTICAL DATUM NAVD 88, 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 ON THE SOUTH SIDE OF B222. REMOVE EXISTING IRRIGATION SYSTEMS WITHIN THE BIOS FOOTPRINT AND ADJACENT LAWN AREAS. 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. A BARRIER OF SNOW FENCE OR EQUAL IS TO BE PLACED AND MAINTAINED ONE YARD BEYOND THE ESTABLISHED TREE PROTECTION ZONE. IF IT IS AGREED THAT THE TREE PROTECTION ZONE OF A SELECTED TREE MUST BE VIOLATED, ONE OF THE FOLLOWING METHODS MUST BE EMPLOYED TO MITIGATE THE IMPACT:
    - LIGHT TO HEAVY IMPACTS - MINIMUM OF EIGHT INCHES OF WOOD CHIPS INSTALLED IN THE AREA TO BE PROTECTED. CHIPS SHALL BE REMOVED UPON COMPLETION OF WORK.
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.



**DATUM NOTES:**  
VERTICAL: NAVD 88  
HORIZONTAL: NAD 83

ELEVATIONS ARE BASED ON GPS OBSERVATIONS OF CONTROL POINT #1 ORIGINATED FROM THE KEYNET VRS SERVICE UTILIZING GEOD MODEL: GEOD12A (CONUS) WITH A RESULTING ELEVATION OF 334.637 U.S. FEET.

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Issued/Revision	By	Appd	Date
PLANNING BOARD RESUBMISSION	LM	CL	2023.06.07
File Name: ERO01.dwg	ID	LM	2023.06.07
	Dwn	Dgn	Chd
			YYYY.MM.DD



Client/Project  
Pfizer Global Research and Development

Hamilton BIOS #2 Addition

Pearl River, NY

Title  
SEDIMENT & EROSION CONTROL PLAN

Project No.  
20111246.S4N

Scale  
1"=10'

Drawing No.  
CE-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
BUILDING HEIGHT	56 FT (6 IN PER FOOT FROM LOT LINE)	-	24 FT MAX.

**A ZONING TABLE (LI)**  
NOT TO SCALE

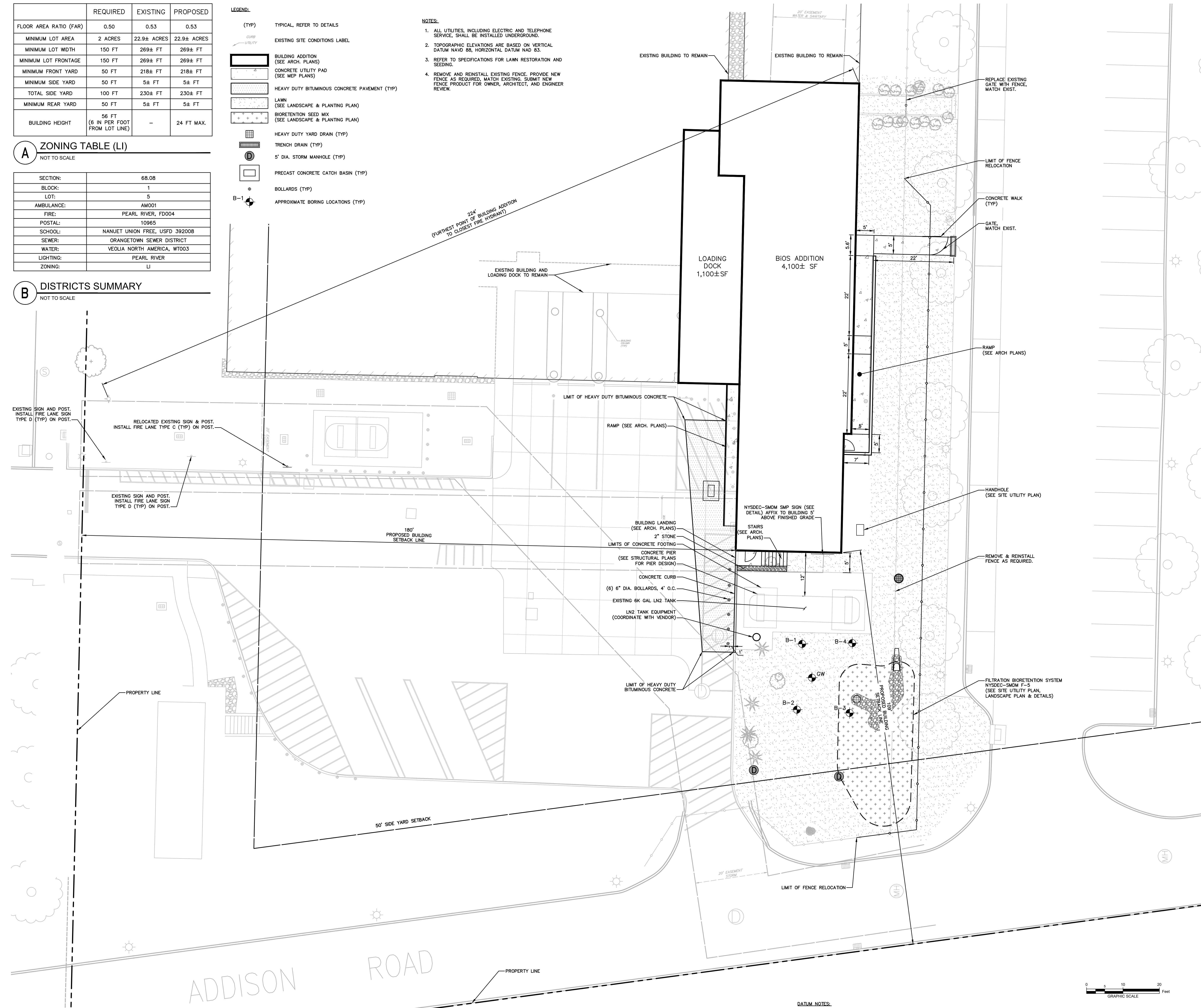
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BLOCK:	1
LOT:	5
AMBULANCE:	AM001
FIRE:	PEARL RIVER, FDD04
POSTAL:	10965
SCHOOL:	NANUET UNION FREE, USFD 392008
SEWER:	ORANGETOWN SEWER DISTRICT
WATER:	VEOLIA NORTH AMERICA, WT003
LIGHTING:	PEARL RIVER
ZONING:	LI

**B DISTRICTS SUMMARY**  
NOT TO SCALE

- LEGEND:**
- (TYP) TYPICAL, REFER TO DETAILS
  - EXISTING SITE CONDITIONS LABEL
  - BUILDING ADDITION (SEE ARCH. PLANS)
  - CONCRETE UTILITY PAD (SEE MEP PLANS)
  - HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT (TYP)
  - LAWN (SEE LANDSCAPE & PLANTING PLAN)
  - BIORETENTION SEED MIX (SEE LANDSCAPE & PLANTING PLAN)
  - HEAVY DUTY YARD DRAIN (TYP)
  - TRENCH DRAIN (TYP)
  - 5' DIA. STORM MANHOLE (TYP)
  - PRECAST CONCRETE CATCH BASIN (TYP)
  - BOLLARDS (TYP)
  - B-1 APPROXIMATE BORING LOCATIONS (TYP)

**NOTES:**

1. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
2. TOPOGRAPHIC ELEVATIONS ARE BASED ON VERTICAL DATUM NAVD 88, HORIZONTAL DATUM NAD 83.
3. REFER TO SPECIFICATIONS FOR LAWN RESTORATION AND SEEDING.
4. REMOVE AND REINSTALL EXISTING FENCE, PROVIDE NEW FENCE AS REQUIRED, MATCH EXISTING. SUBMIT NEW FENCE PRODUCT FOR OWNER, ARCHITECT, AND ENGINEER REVIEW.



**DATUM NOTES:**

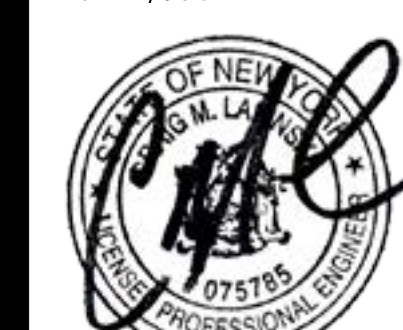
VERTICAL: NAVD 88  
HORIZONTAL: NAD 83  
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NO.	DESCRIPTION	DATE	BY	APP'D
1	PLANNING BOARD RESUBMISSION	2023.04.07	LM	CL
2	ISSUED FOR PERMIT	2023.02.22	LM	CL
	Issued/Revision		By	App'd
				YYYY.MM.DD
	File Name: S1P01.dwg	ID	LM	ID
		Drawn	Diagn	Chkd
				YYYY.MM.DD

Permit/Seal



Client/Project Logo



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  
1

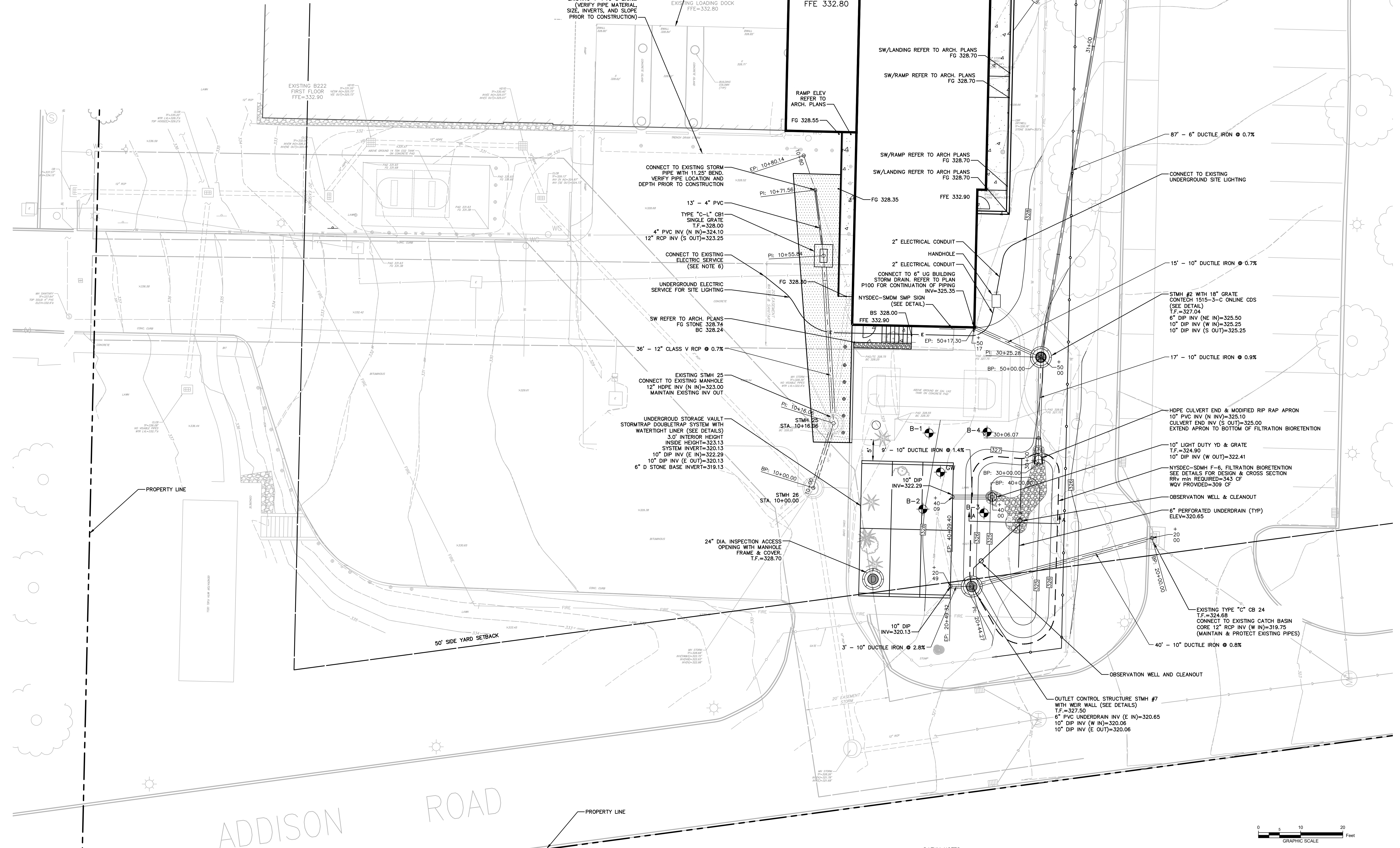
Drawing No.

**CS-101**

- LEGEND:**
- (TYP) TYPICAL, REFER TO DETAILS
  - EXISTING SITE CONDITIONS LABEL
  - BUILDING ADDITION (SEE ARCH. PLANS)
  - CONCRETE UTILITY PAD (SEE MEP PLANS)
  - HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT (TYP)
  - LIGHT DUTY YARD DRAIN (TYP)
  - TRENCH DRAIN (TYP)
  - 5' DIA. STORM MANHOLE (TYP)
  - PRECAST CONCRETE CATCH BASIN (TYP)
  - BOLLARDS (TYP)
  - GATE VALVE (TYP)
  - APPROXIMATE BORING LOCATIONS (TYP)
  - STORM PIPE
  - UNDERDRAIN (TYP)
  - LIGHTING CONDUIT
  - EXISTING CONTOUR
  - PROPOSED CONTOUR

- FFE FINISH FLOOR ELEVATION
  - FG FINISH GRADE ELEVATION
  - BS FINISHED GRADE ELEVATION AT BOTTOM OF STAIR
  - 100 PROPOSED SPOT GRADE ELEVATION
  - SW SIDEWALK ELEVATION
  - TF TOP OF FRAME
  - INV INVERT
  - YD YARD DRAIN
  - STMH STORM MANHOLE
  - AREA OF DISTURBANCE = 0.3 AC
- NOTES:**
1. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
  2. TOPOGRAPHIC ELEVATIONS ARE BASED ON VERTICAL DATUM NAVD 88. HORIZONTAL DATUM NAD 83.
  3. FIELD VERIFY DEPTH TO GROUNDWATER PRIOR TO CONSTRUCTION. PROVIDE RESULTS TO ARCHITECT, ENGINEER, AND OWNER.
  4. STORMTRAP OPERATIONS & MAINTENANCE REQUIREMENTS:
    - 4.1. THE OWNER SHALL DEVELOP A MAINTENANCE PLAN TO ENSURE UNINTERRUPTED OPERATIONS OF THE STORMWATER MANAGEMENT SYSTEM. THE PLAN SHALL INCLUDE THE PERSONNEL IN CHARGE OF THE TASKS AS WELL AS THE FREQUENCY AND METHOD OF MAINTENANCE.
    - 4.2. A LOG SHALL BE MAINTAINED RECORDING THE DATES AND DESCRIPTION OF THE INSPECTIONS, MAINTENANCE ACTIVITIES PERFORMED, AND FINDINGS FROM THE INSPECTION. THE SYSTEM SHALL BE INSPECTED FOR THE PHYSICAL CONDITION OF THE SYSTEM (INCLUDING, BUT NOT LIMITED TO, THE STRUCTURAL INTEGRITY OF THE WALLS, SLABS, GROUT, AND ACCESS HOLES), STAGNANT WATER/WATER LEVEL, CLOGGING AT INLET AND OUTLET LOCATIONS, SEDIMENTATION, CONDITION OF ANCILLARY FITTINGS, AND CLEAR ACCESS OF OPENINGS.
    - 4.3. INSPECTION OF STORMWATER INLET AND CONVEYANCE COMPONENTS INCLUDING, BUT NOT LIMITED TO, YARD DRAINS, TRENCH DRAINS, MANHOLES, AND PIPES SHALL BE CONDUCTED AS PART OF THE INSPECTIONS. COMPONENTS SHALL BE INSPECTED FOR CONVEYANCE IMPROVEMENTS, SEDIMENT LEVELS, AND STRUCTURAL CONDITIONS.
    - 4.4. INSPECTION SHALL BE CARRIED OUT AT LEAST TWICE PER YEAR AND AFTER SIGNIFICANT STORM EVENTS. IMMEDIATE RECTIFICATION WORKS SHALL BE CARRIED OUT IF THE SYSTEM IS NOT FOUND IN OPERATIONAL ORDER.
    - 4.5. CLEANING FREQUENCY OF THE SYSTEM IS AT THE DISCRETION OF THE INSPECTOR. SEDIMENT REMOVAL SHALL BE CONSIDERED WHEN ACCUMULATED SEDIMENT HEIGHTS ARE GREATER THAN THREE (3) INCHES. SEDIMENT IS MOST COMMONLY REMOVED BY A VACUUM TRUCK OR MANUALLY.
  5. REFER TO MEP DRAWINGS FOR CO2 AND LN2 TANK PIPE CONNECTIONS TO THE BUILDINGS.
  6. REROUTE TO EXISTING CONDUITS AROUND AREA OF WORK. MODIFY/EXTEND WIRING AND CONDUITS AS REQUIRED. MATCH EXISTING WIRE SIZE AND QUANTITIES.
  7. SEE STRUCTURAL DRAWINGS FOR TANK PAD AND PIER DESIGN.
  8. PROVIDE DETECTABLE WARNING TAPE FOR WATER AND FIRE LINES.
  9. PROVIDE MECHANICAL JOINT RESTRAINTS AND THRUST BLOCKS AT ALL WATER BENDS, WYES, AND TEES.
  10. PROVIDE MIN. 12" OF SEPARATION BETWEEN FIRE AND DOMESTIC WATER LINES.

- 4.4. INSPECTION OF STORMWATER INLET AND CONVEYANCE COMPONENTS INCLUDING, BUT NOT LIMITED TO, YARD DRAINS, TRENCH DRAINS, MANHOLES, AND PIPES SHALL BE CONDUCTED AS PART OF THE INSPECTIONS. COMPONENTS SHALL BE INSPECTED FOR CONVEYANCE IMPROVEMENTS, SEDIMENT LEVELS, AND STRUCTURAL CONDITIONS.
- 4.5. INSPECTION SHALL BE CARRIED OUT AT LEAST TWICE PER YEAR AND AFTER SIGNIFICANT STORM EVENTS. IMMEDIATE RECTIFICATION WORKS SHALL BE CARRIED OUT IF THE SYSTEM IS NOT FOUND IN OPERATIONAL ORDER.
- 4.6. CLEANING FREQUENCY OF THE SYSTEM IS AT THE DISCRETION OF THE INSPECTOR. SEDIMENT REMOVAL SHALL BE CONSIDERED WHEN ACCUMULATED SEDIMENT HEIGHTS ARE GREATER THAN THREE (3) INCHES. SEDIMENT IS MOST COMMONLY REMOVED BY A VACUUM TRUCK OR MANUALLY.



**DATUM NOTES:**  
VERTICAL: NAVD 88  
HORIZONTAL: NAD 83

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PLANNING BOARD RESUBMISSION	LM	CL	2/23/24.07
ISSUED FOR PERMIT	LM <td>CL <td>2/23/24.22</td> </td>	CL <td>2/23/24.22</td>	2/23/24.22
Issued/Revision	By	Appd	YYYY.MM.DD
File Name: UTLO.dwg	ID	LD	02/17/23
	Drawn	Diagn	Chkd
			YYYY.MM.DD



Client/Project  
Pfizer Global Research and Development

Hamilton BIOS #2 Addition

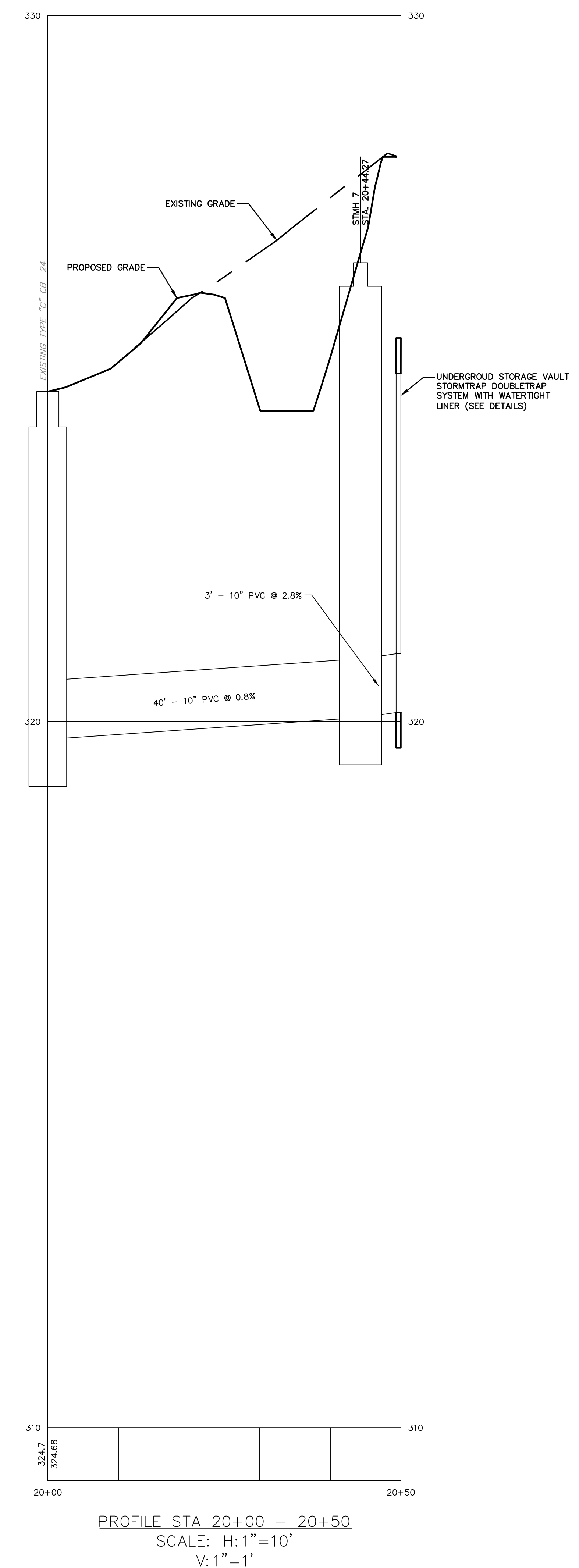
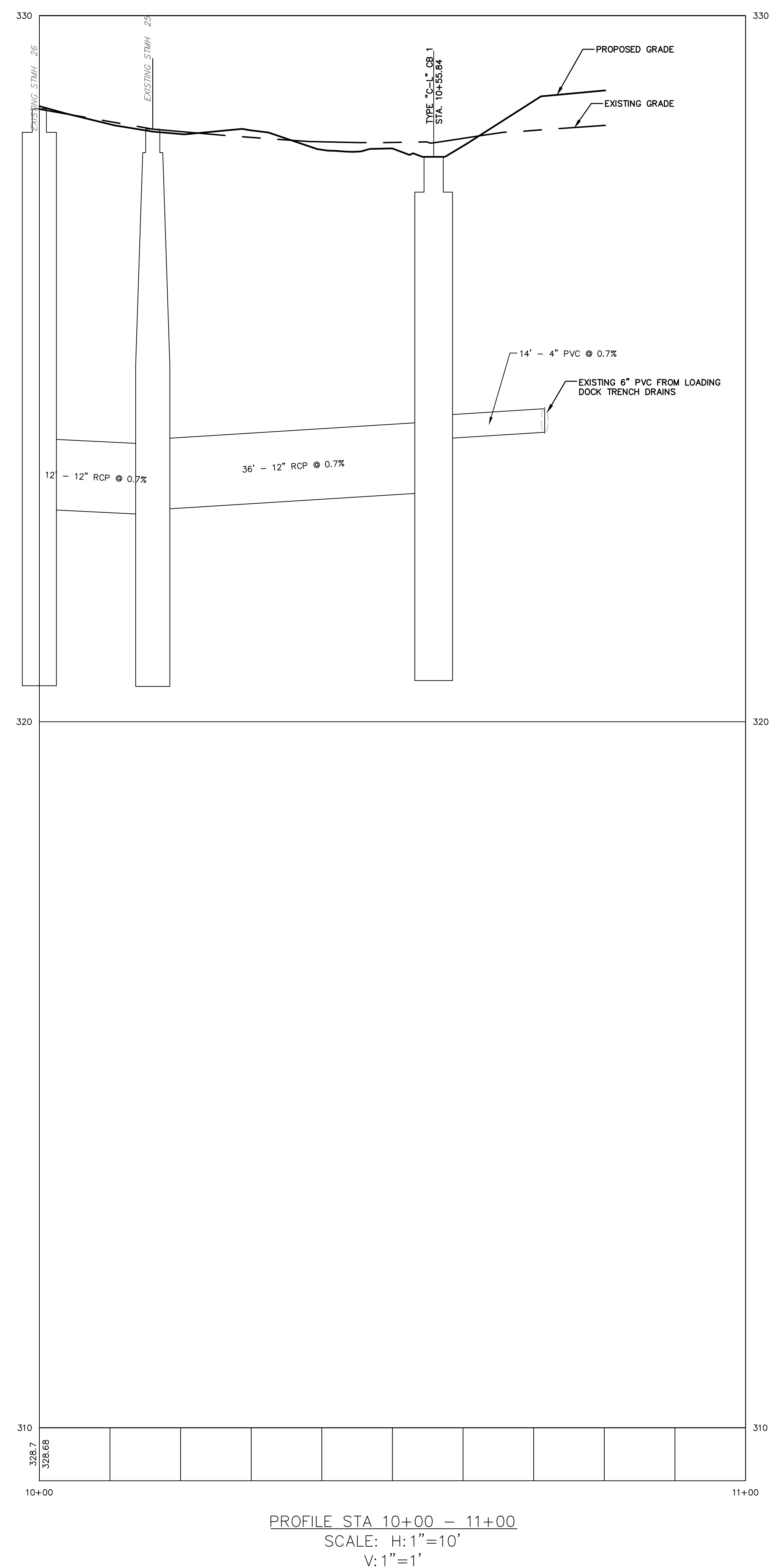
Pearl River, NY

Title  
SITE UTILITY PLAN

Project No.  
2011246.S4N

Revision  
1

Scale  
1"=10'  
Drawing No.  
**CU-101**



**DATUM NOTES:**  
 VERTICAL: NAVD 88  
 HORIZONTAL: NAD 83

ELEVATIONS ARE BASED ON GPS OBSERVATIONS OF CONTROL POINT #1 ORIGINATING FROM THE KEYNET VRS SERVICE UTILIZING GEOID MODEL: GEOID12A (CONUS) WITH A RESULTING ELEVATION OF 334.637 U.S. FEET.

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Issued/Revision	LM	CL	2023.06.07
By	Appd	YYYY.MM.DD	
File Name: UTLO1.dwg	ID	LM	ID
	Drawn	Diagn	Chkd
			2023.06.07
			YYYY.MM.DD

Permit/Seal



Client/Project Logo



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 Pfizer Global Research and Development

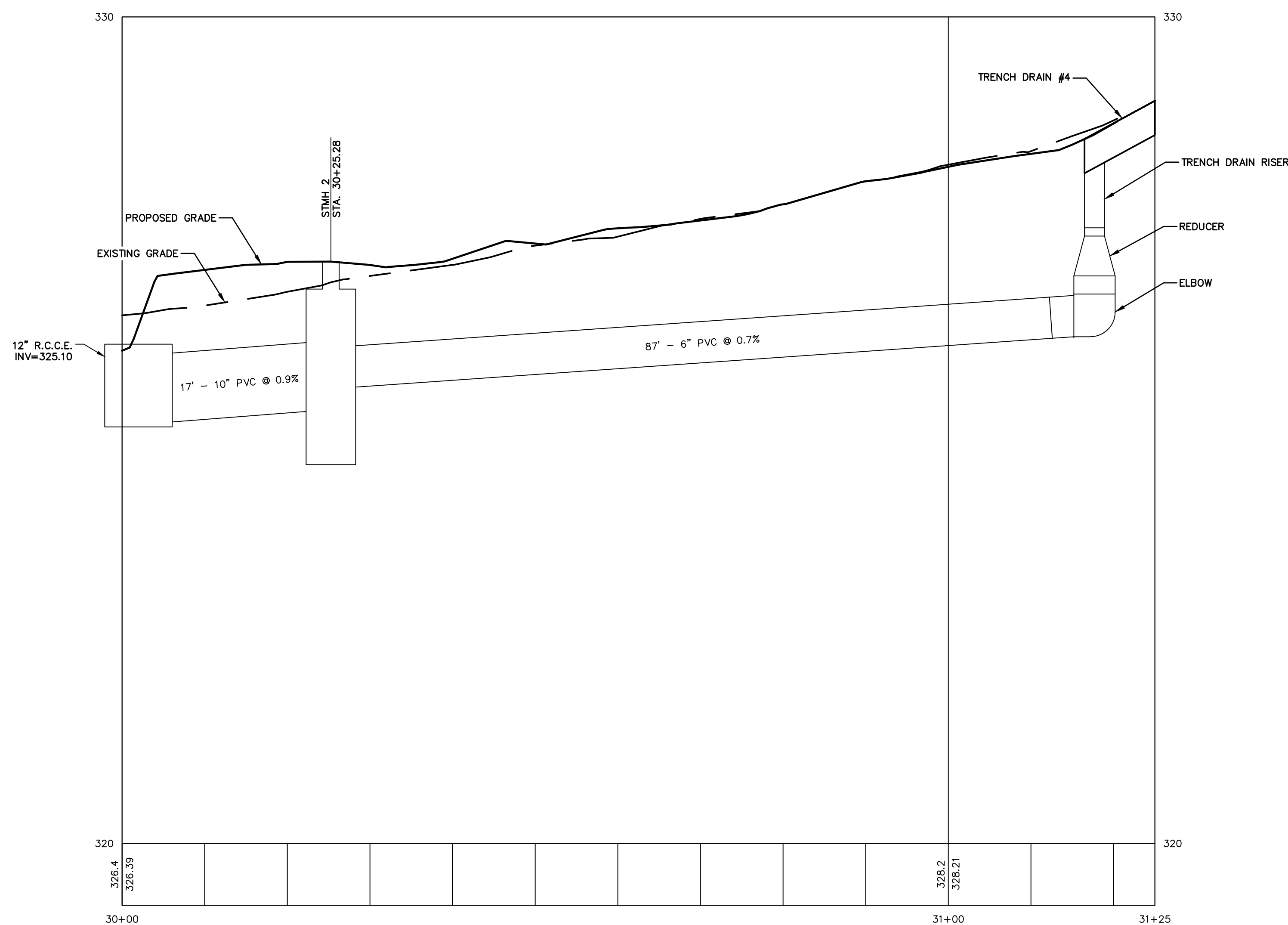
Hamilton BIOS #2 Addition

Pearl River, NY

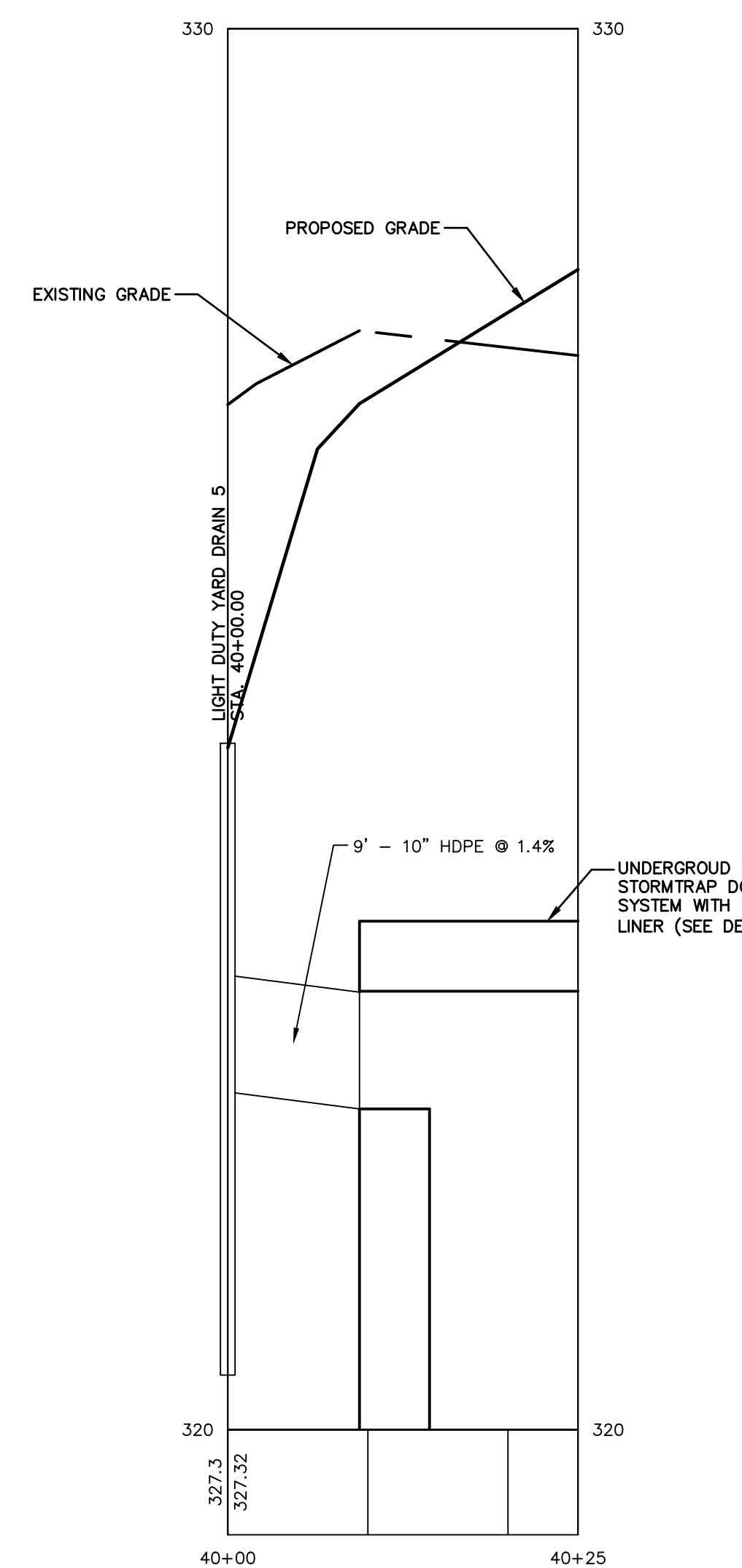
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 PROFILES

Project No.  
 20111246.S4N  
 Revision  
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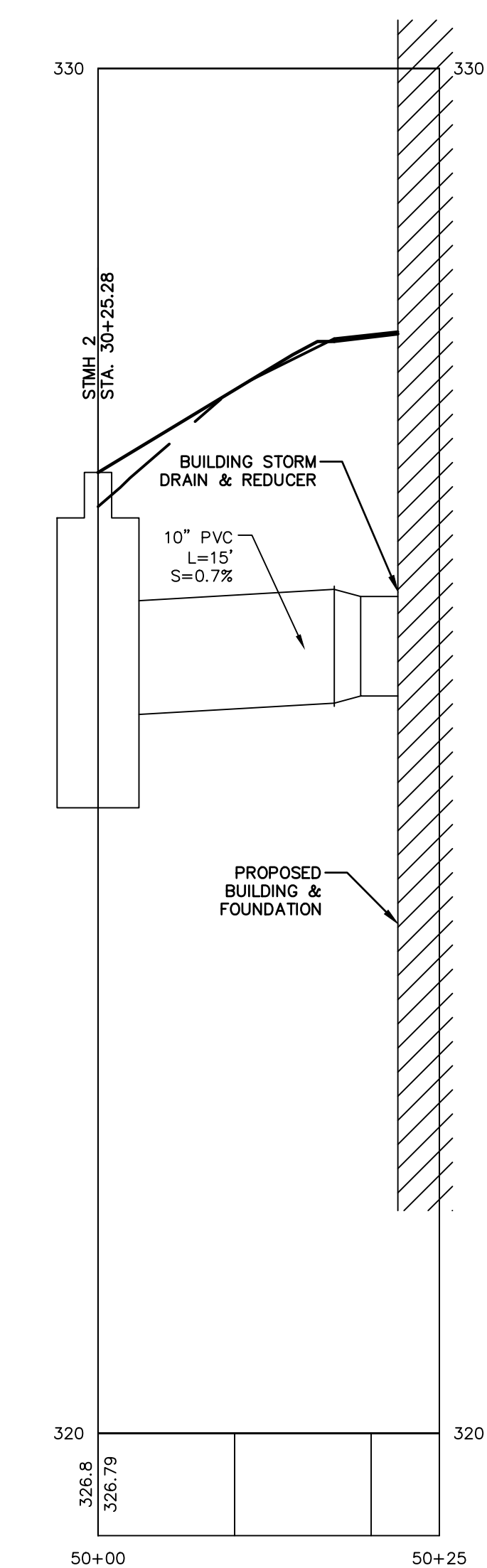
Scale  
 1"=10'  
 Drawing No.  
 CU-301



PROFILE STA 30+00 - 31+25  
 SCALE: H: 1"=10'  
 V: 1"=1'



PROFILE STA 40+00 - 40+25  
 SCALE: H: 1"=10'  
 V: 1"=1'



PROFILE STA 50+00 - 50+25  
 SCALE: H: 1"=10'  
 V: 1"=1'

**DATUM NOTES:**  
 VERTICAL: NAVD 88  
 HORIZONTAL: NAD 83

ELEVATIONS ARE BASED ON GPS OBSERVATIONS OF CONTROL POINT #1 ORIGINATING FROM THE KEYNET VRS SERVICE UTILIZING GEOD MODEL: GEOD12A (CONUS) WITH A RESULTING ELEVATION OF 334.637 U.S. FEET.

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By	Appd	YYYY.MM.DD	
PLANNING BOARD RESUBMISSION			
File Name: 0101.dwg	ID	LM	ID
	Drawn	Diagn	Chkd
			2023.06.07
			YYYY.MM.DD

Permit/Seal



Client/Project Logo



Client/Project  
 Pfizer Global Research and Development

Hamilton BIOS #2 Addition

Pearl River, NY

Title  
 SITE STORM  
 PROFILES

Project No.  
 2011246.S4N  
 Revision  
 0

Scale  
 1"=10'  
 Drawing No.  
 0

**CU-302**

**LEGEND**

- SHRUB PLANTING
- LAWN
- BIORETENTION SEED MIX

**NOTES:**

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

**PLANT LIST**

KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE
<b>SHRUBS</b>				
RA	RHUS AROMATICA 'GRO LOW'	'GRO LOW' FRAGRANT SUMAC	8	24-36"
<b>PERENNIALS/GRASSES</b>				
CA	CALAMAGROSTIS ARUNDINACEA 'KARL FOERSTER'	KARL FOERSTER REED GRASS	9	2 GAL.

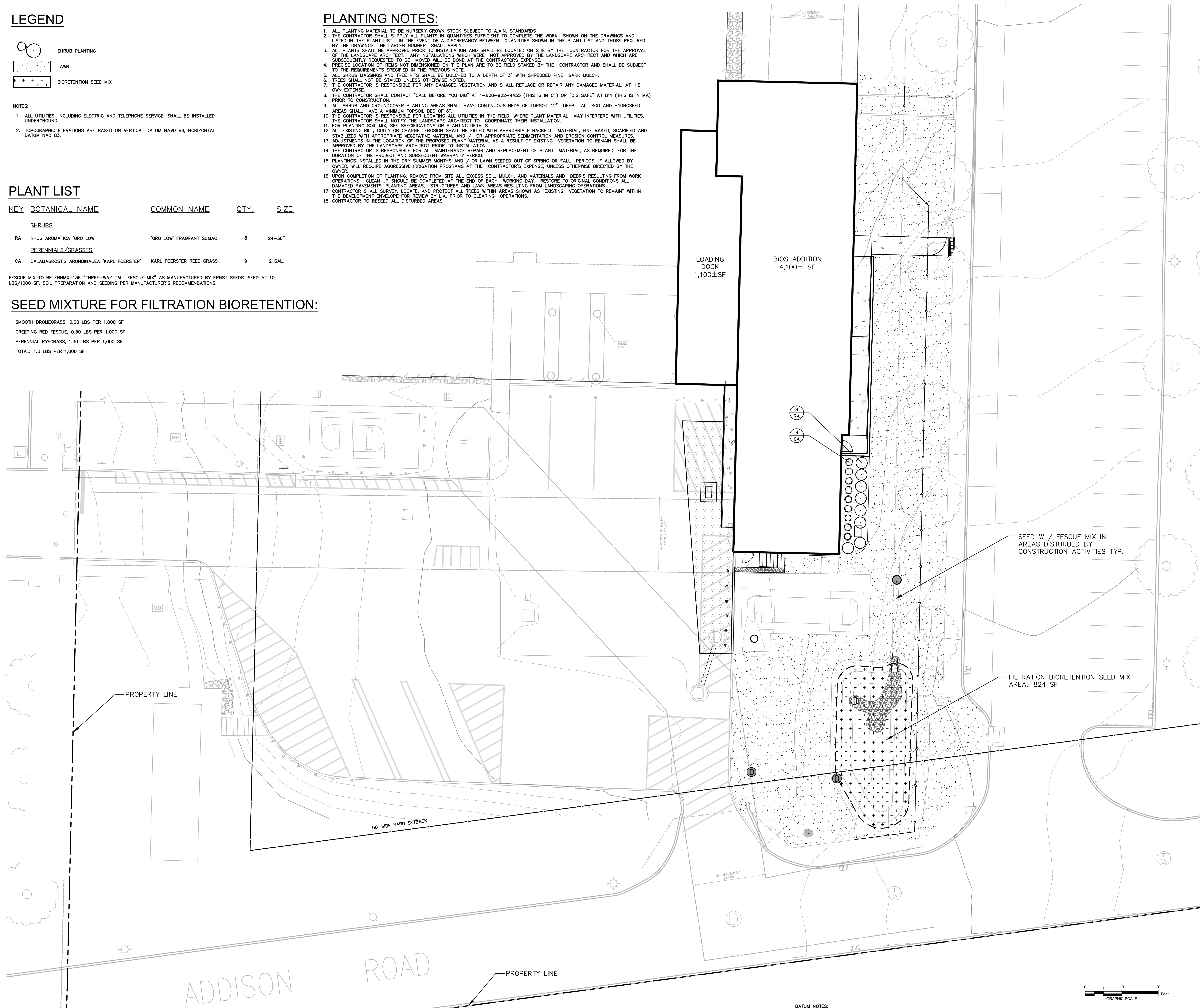
FESCUE MIX TO BE ERNIX-136 "THREE-WAY TALL FESCUE MIX" AS MANUFACTURED BY ERNST SEEDS. SEED AT 10 LBS/1000 SF. SOIL PREPARATION AND SEEDING PER MANUFACTURER'S RECOMMENDATIONS.

**SEED MIXTURE FOR FILTRATION BIORETENTION:**

- SMOOTH BROMEGRASS, 0.60 LBS PER 1,000 SF
- CREeping RED FESCUE, 0.50 LBS PER 1,000 SF
- PERENNIAL RYEGRASS, 1.30 LBS PER 1,000 SF
- TOTAL: 1.3 LBS PER 1,000 SF

**PLANTING NOTES:**

1. ALL PLANTING MATERIAL TO BE NURSERY GROWN STOCK SUBJECT TO A.A.N. STANDARDS
2. THE CONTRACTOR SHALL SUPPLY ALL PLANTS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE PLANT LIST. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT LIST AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER NUMBER SHALL APPLY.
3. ALL PLANTS SHALL BE APPROVED PRIOR TO INSTALLATION AND SHALL BE LOCATED ON SITE BY THE CONTRACTOR FOR THE APPROVAL OF THE LANDSCAPE ARCHITECT. ANY INSTALLATIONS WHICH WERE NOT APPROVED BY THE LANDSCAPE ARCHITECT AND WHICH ARE SUBSEQUENTLY REQUESTED TO BE MOVED WILL BE DONE AT THE CONTRACTOR'S EXPENSE.
4. PRECISE LOCATION OF ITEMS NOT DIMENSIONED ON THE PLAN ARE TO BE FIELD STAKED BY THE CONTRACTOR AND SHALL BE SUBJECT TO THE REQUIREMENTS SPECIFIED IN THE PREVIOUS NOTE.
5. ALL SHRUB MASSINGS AND TREE PITS SHALL BE MULCHED TO A DEPTH OF 3" WITH SHREDDED PINE BARK MULCH.
6. TREES SHALL NOT BE STAKED UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGED VEGETATION AND SHALL REPLACE OR REPAIR ANY DAMAGED MATERIAL AT HIS OWN EXPENSE.
8. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 (THIS IS IN CT) OR "DIG SAFE" AT 811 (THIS IS IN MA) PRIOR TO CONSTRUCTION.
9. ALL SHRUB AND GROUND COVER PLANTING AREAS SHALL HAVE CONTINUOUS BEDS OF TOPSOIL 12" DEEP. ALL SOO AND HYDROSEED AREAS SHALL HAVE A MINIMUM TOPSOIL BED OF 6".
10. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES IN THE FIELD, WHERE PLANT MATERIAL MAY INTERFERE WITH UTILITIES, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT TO COORDINATE THEIR INSTALLATION.
11. FOR PLANTING SOIL MIX, SEE SPECIFICATIONS OR PLANTING DETAILS.
12. ALL EXISTING RILL, GULLY OR CHANNEL EROSION SHALL BE FILLED WITH APPROPRIATE BACKFILL MATERIAL, FINE RAKED, SCARIFIED AND STABILIZED WITH APPROPRIATE VEGETATIVE MATERIAL AND / OR APPROPRIATE SEDIMENTATION AND EROSION CONTROL MEASURES.
13. ADJUSTMENTS IN THE LOCATION OF THE PROPOSED PLANT MATERIAL AS A RESULT OF EXISTING VEGETATION TO REMAIN SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
14. THE CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE REPAIR AND REPLACEMENT OF PLANT MATERIAL, AS REQUIRED, FOR THE DURATION OF THE PROJECT AND SUBSEQUENT WARRANTY PERIOD.
15. PLANTINGS INSTALLED IN THE DRY SUMMER MONTHS AND / OR LAWN SEEDING OUT OF SPRING OR FALL PERIODS, IF ALLOWED BY THE OWNER, WILL REQUIRE AGGRESSIVE IRRIGATION PROGRAMS AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE DIRECTED BY THE OWNER.
16. UPON COMPLETION OF PLANTING, REMOVE FROM SITE ALL EXCESS SOIL, MULCH, AND MATERIALS AND DEBRIS RESULTING FROM WORK OPERATIONS. CLEAN UP SHOULD BE COMPLETED AT THE END OF EACH WORKING DAY. RESTORE TO ORIGINAL CONDITIONS ALL DAMAGED PAVEMENTS, PLANTING AREAS, STRUCTURES AND LAWN AREAS RESULTING FROM LANDSCAPING OPERATIONS.
17. CONTRACTOR SHALL SURVEY, LOCATE, AND PROTECT ALL TREES WITHIN AREAS SHOWN AS "EXISTING VEGETATION TO REMAIN" WITHIN THE DEVELOPMENT ENVELOPE FOR REVIEW BY L.A. PRIOR TO CLEARING OPERATIONS.
18. CONTRACTOR TO RESEED ALL DISTURBED AREAS.



NO.	DESCRIPTION	DATE	BY	APP'D
1	PLANNING BOARD RESUBMISSION	2023.06.07	LM	CL
2	Issued/Revision	YYYY.MM.DD		

Permit/Seal



Client/Project  
Pfizer Global Research and Development

Hamilton BIOS #2 Addition

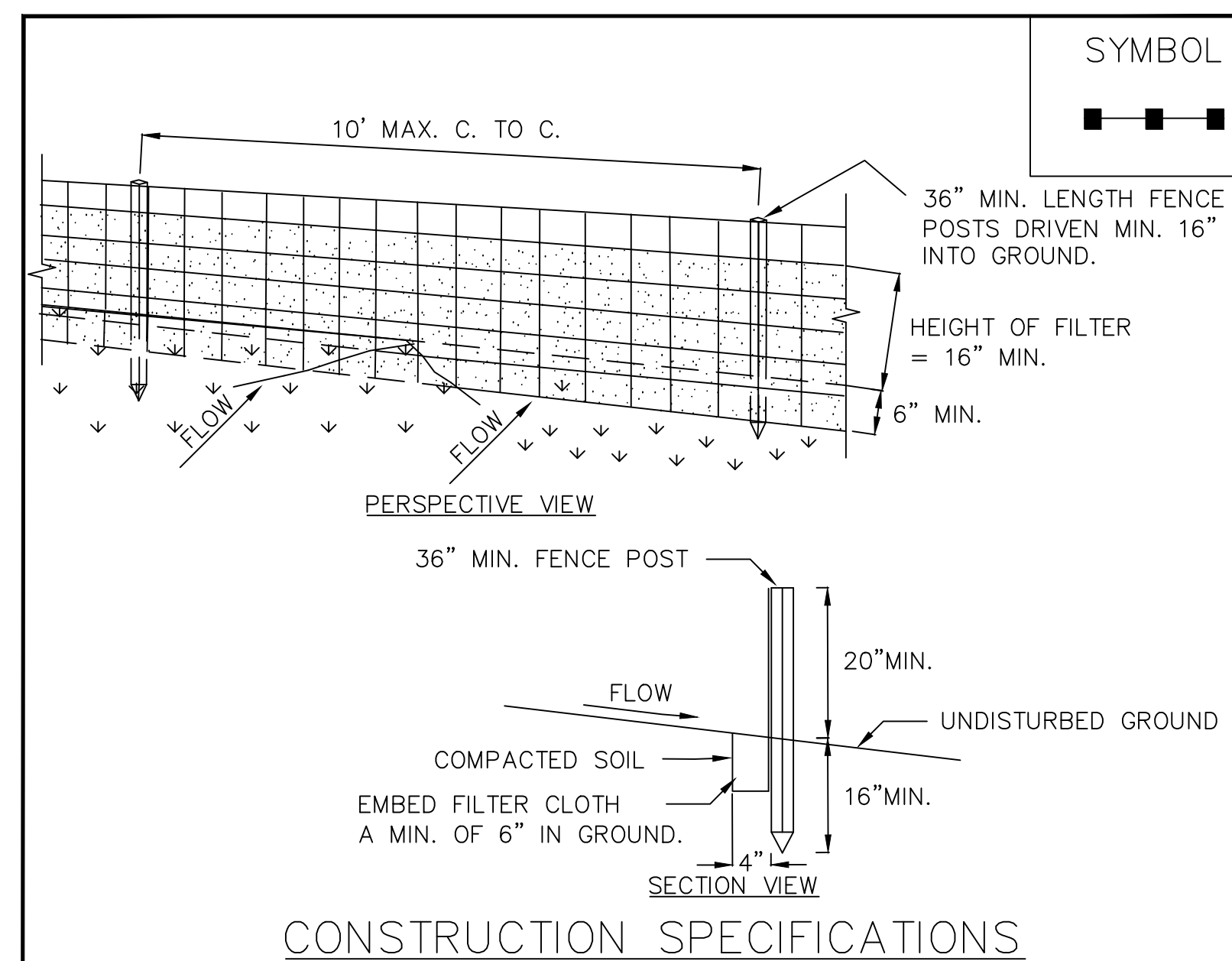
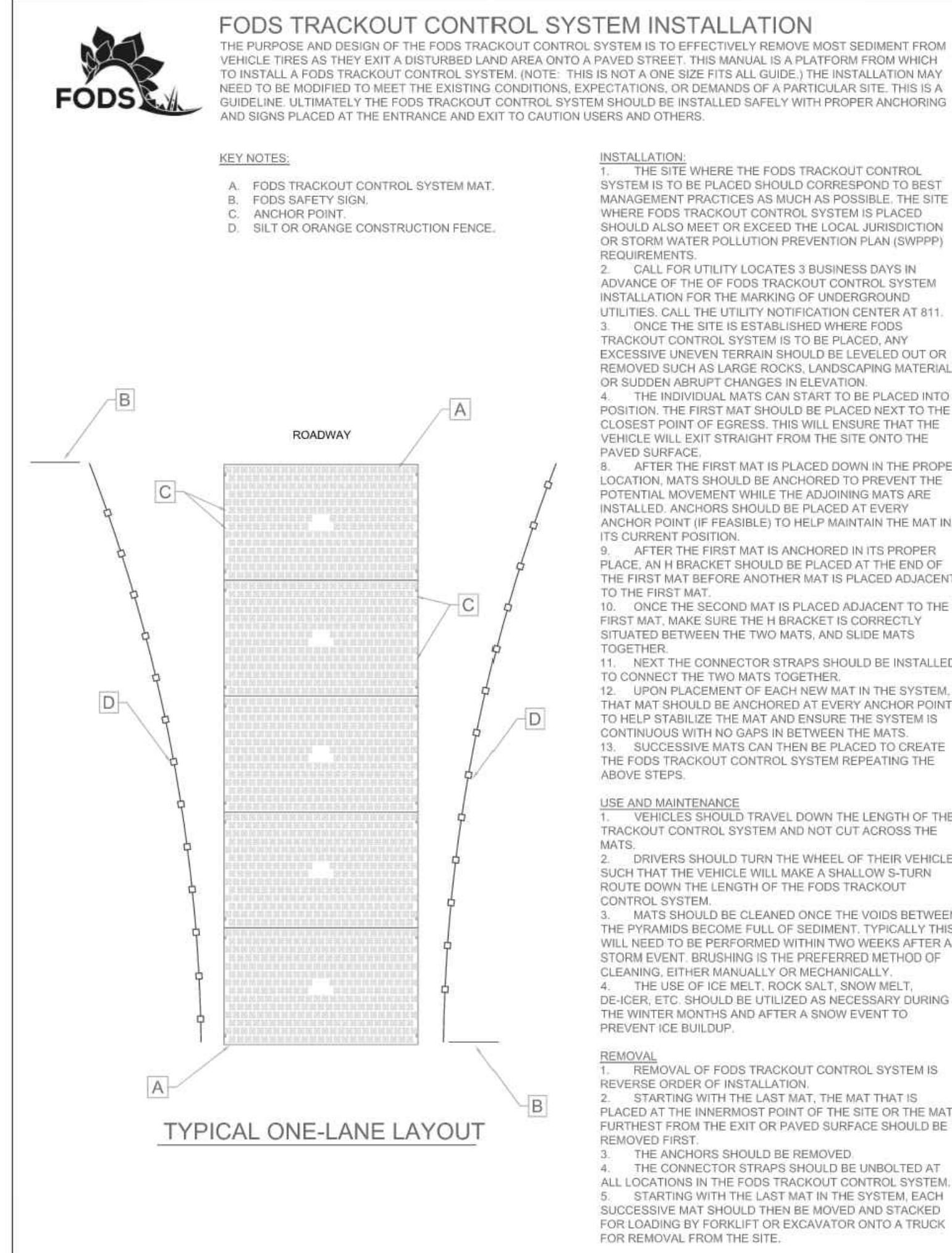
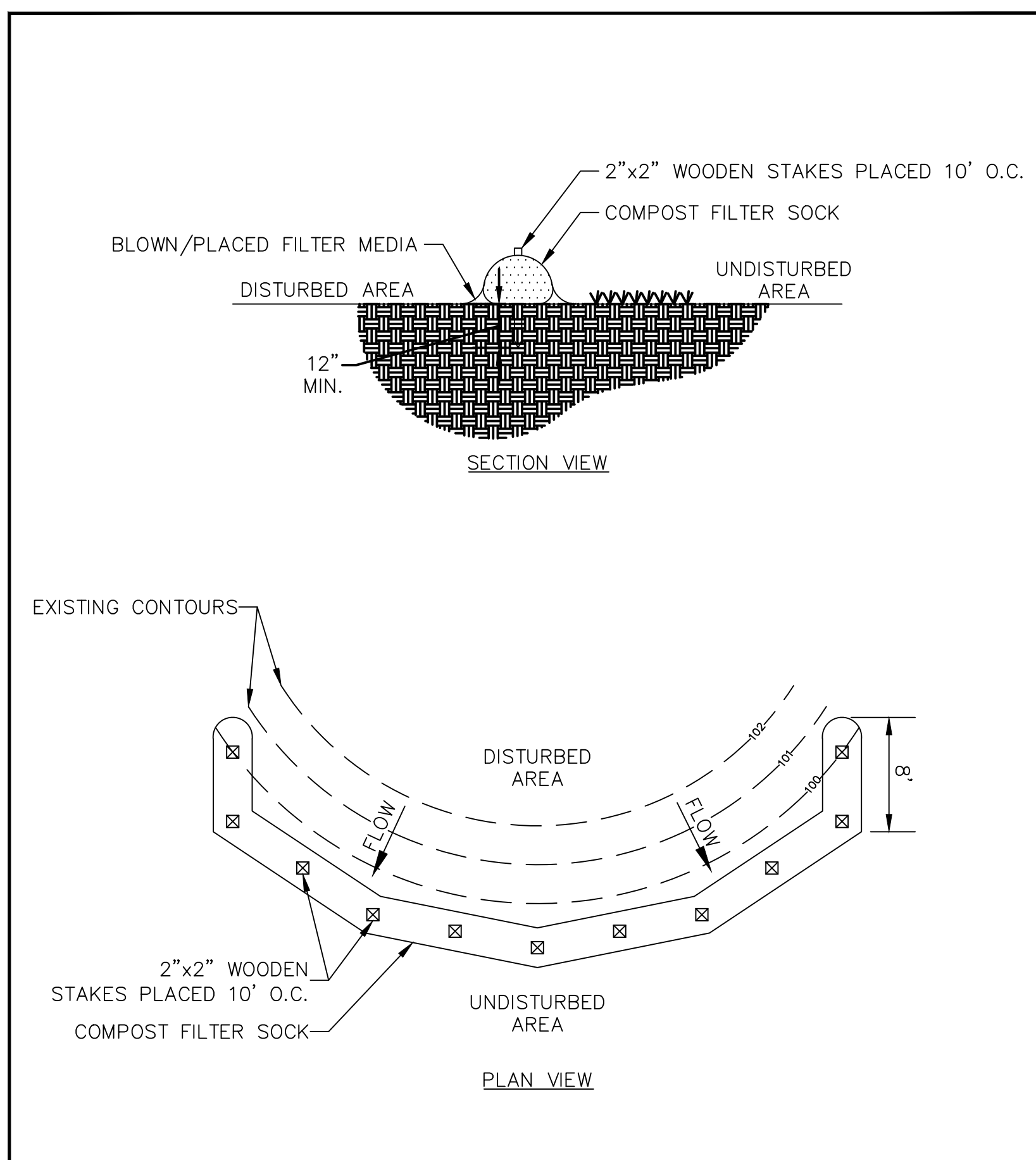
Pearl River, NY

Title  
LANDSCAPE & PLANTING PLAN

Project No. 2011246.S4N  
Revision 0  
Scale 1"=10'  
Drawing No. LP-101

**DATUM NOTES:**  
VERTICAL: NAVD 88  
HORIZONTAL: NAD 83  
ELEVATIONS ARE BASED ON GPS OBSERVATIONS OF CONTROL POINT #1 ORIGINATED FROM THE KEYNET VRS SERVICE UTILIZING GEOID MODEL: GEOID12A (CONUS) WITH A RESULTING ELEVATION OF 334.637 U.S. FEET.

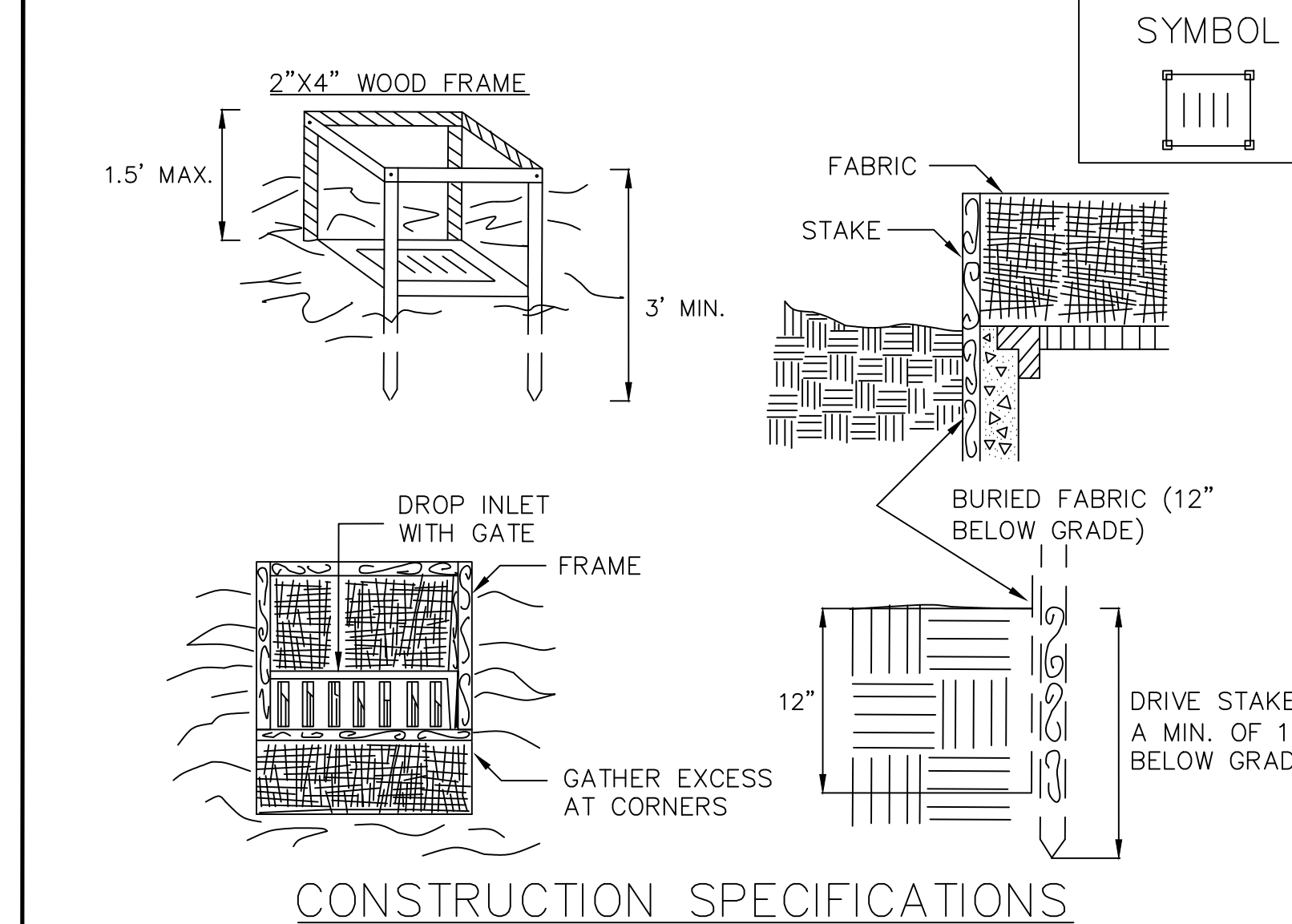
**DISCLAIMER:**  
IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF THIS DOCUMENT IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS OR HER SEAL AND THE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



1. FILTER CLOTH TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. 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.
3. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
4. 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

SILT FENCE



1. FABRIC SHALL HAVE AN EOS OF 40-85, BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. 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.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

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

1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 5.1. COMPOST SHALL MEET THE STANDARDS LISTED ON OF TABLE 5.2.
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 (FIGURE 5.2). MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE 5.2. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
4. 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.
5. 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.
6. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS, PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. 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: FILTREXX

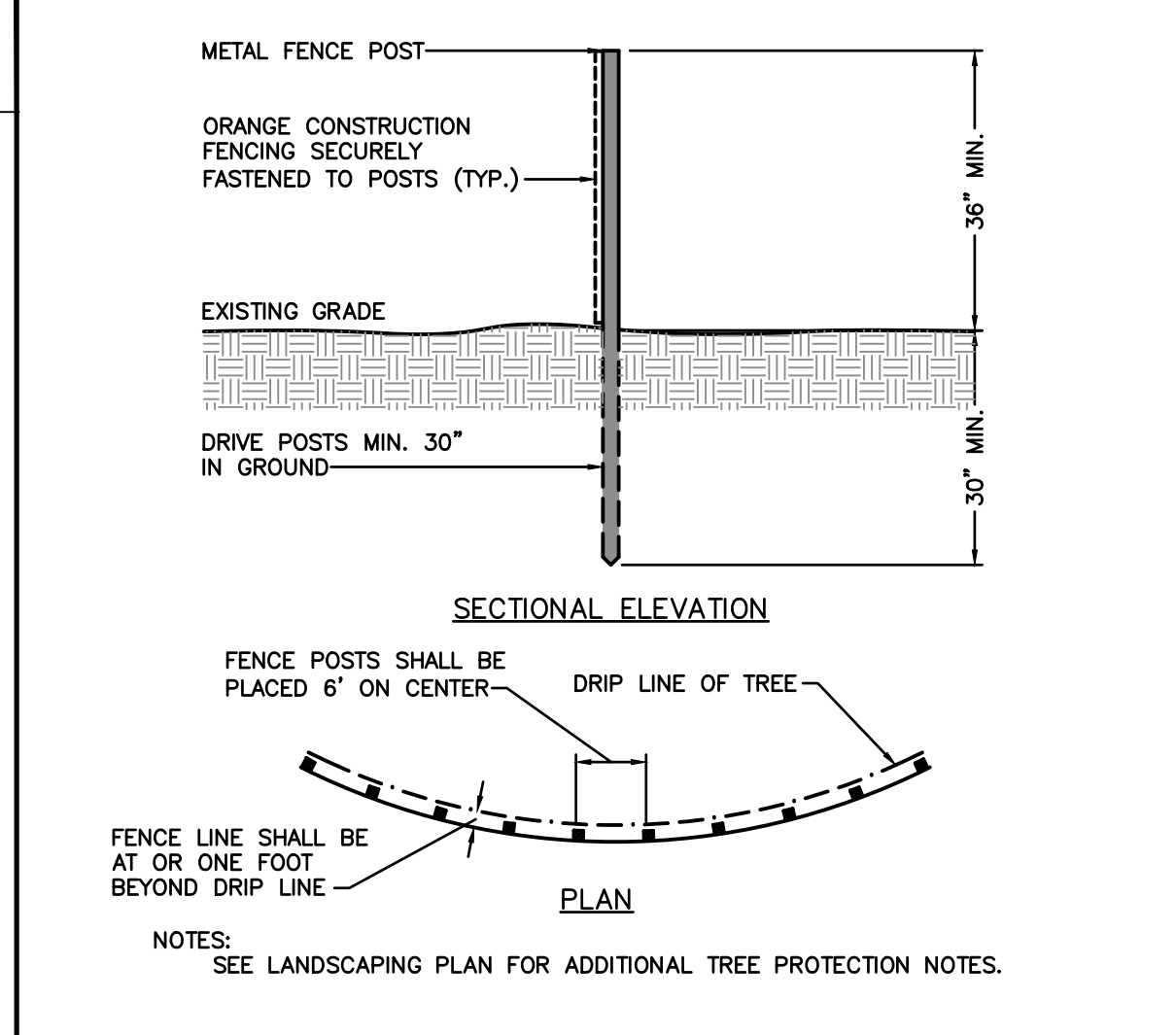
COMPOST FILTER SOCK

EROSION & SEDIMENT CONTROL NOTES

1. 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.
2. 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.
3. INSTALLATION SCHEDULE - INSTALL THE CONSTRUCTION ENTRANCE BEFORE CONSTRUCTION TRAFFIC ENTERS INTO 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.
4. FUGITIVE DUST - CONTROL FUGITIVE DUST USING WATER SPRAYS OR CALCIUM CHLORIDE ON SOIL SURFACES, SWEEPING PAVED AREAS, TEMPORARY WINDBREAKERS OR NON-ASPHALTIC SOIL TACKIFIERS.
5. STRAW BALE LIFE SPAN - INSTALL STRAW BALES WHERE PROTECTION AND EFFECTIVENESS IS REQUIRED FOR LESS THAN 90 DAYS. OTHERWISE, INSTALL SILT FENCE.
6. CATCH BASINS - PROTECT CATCH BASINS WITH PROPER CONTROLS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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 1/2 LBS/1000 SQ. FT. APPLY PERENNIAL RYE GRASS AT A RATE OF 2 LBS/1000 SQ. FT. TO A DEPTH OF 1/2 INCH. OPTIMUM SEEDING DATES ARE MARCH 15 TO MAY 15 AND AUGUST 15 TO OCTOBER 15. MULCH FOR SEED APPLIED WITHIN THE OPTIMUM SEEDING DATES SHALL BE APPLIED EVENLY SUCH THAT IT PROVIDES 80%-95% SOIL COVERAGE. MULCH FOR SEED APPLIED OUTSIDE OF THE OPTIMUM SEEDING DATES SHALL BE APPLIED EVENLY SUCH THAT IT PROVIDES 95%-100% COVERAGE.
12. PERMANENT SEEDING - SEED PERMANENT LAWN AREAS IN ACCORDANCE WITH THE SPECIFICATIONS.
13. 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.

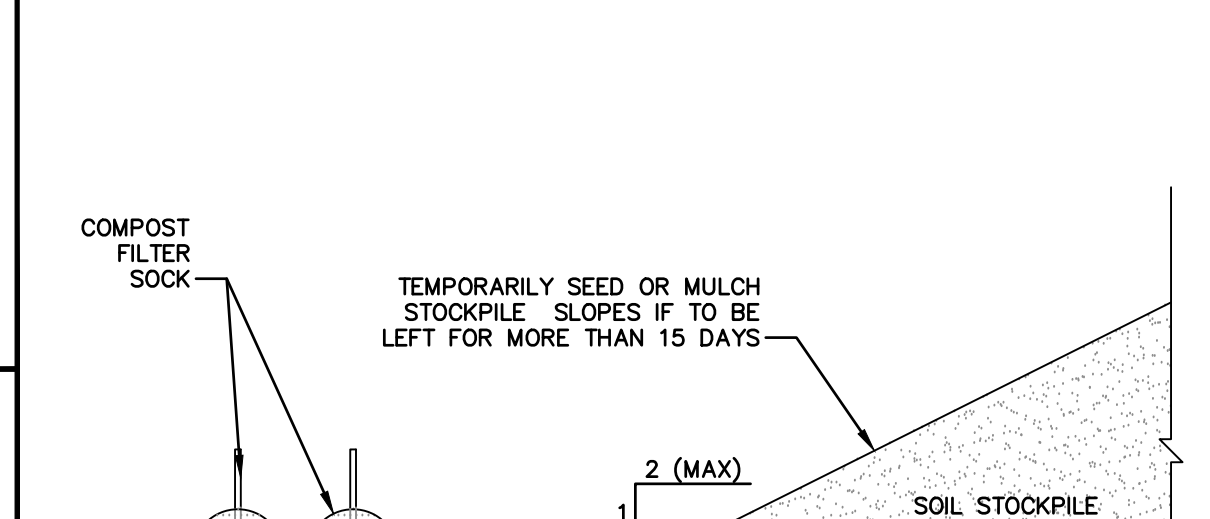
ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

SILT FENCE



TREE PROTECTION FENCING

NOT TO SCALE



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SOIL STOCKPILE AREA

MANUFACTURED TEMPORARY TRACKING PADS

NOT TO SCALE



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TEMPORARY CONCRETE WASHOUT FACILITY

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

SOIL STOCKPILE AREA

NOT TO SCALE

PLANNING BOARD RESUBMISSION	LM	CL	2/23/24.07
ISSUED FOR PERMIT	LM	CL	2/23/24.22
Issued/Revision	By	Appd	YYYY.MM.DD

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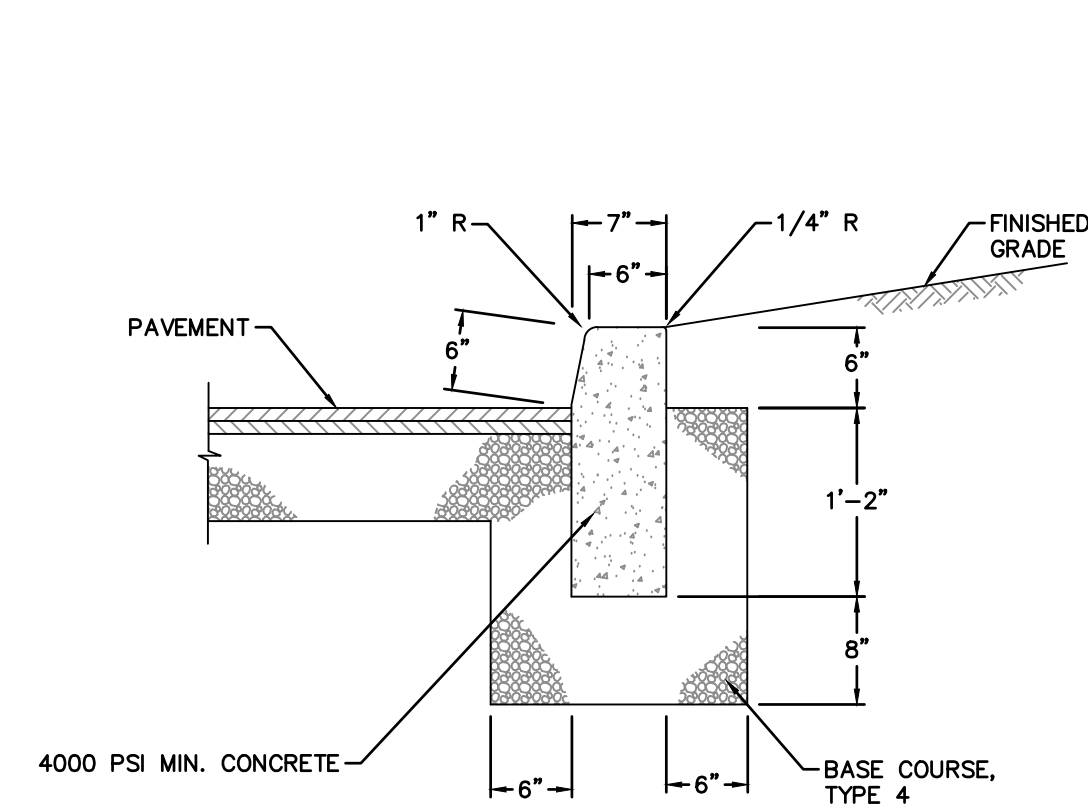


Client/Project  
Pfizer Global Research and Development  
Hamilton BIOS #2 Addition  
Pearl River, NY

Title  
SITE DETAILS

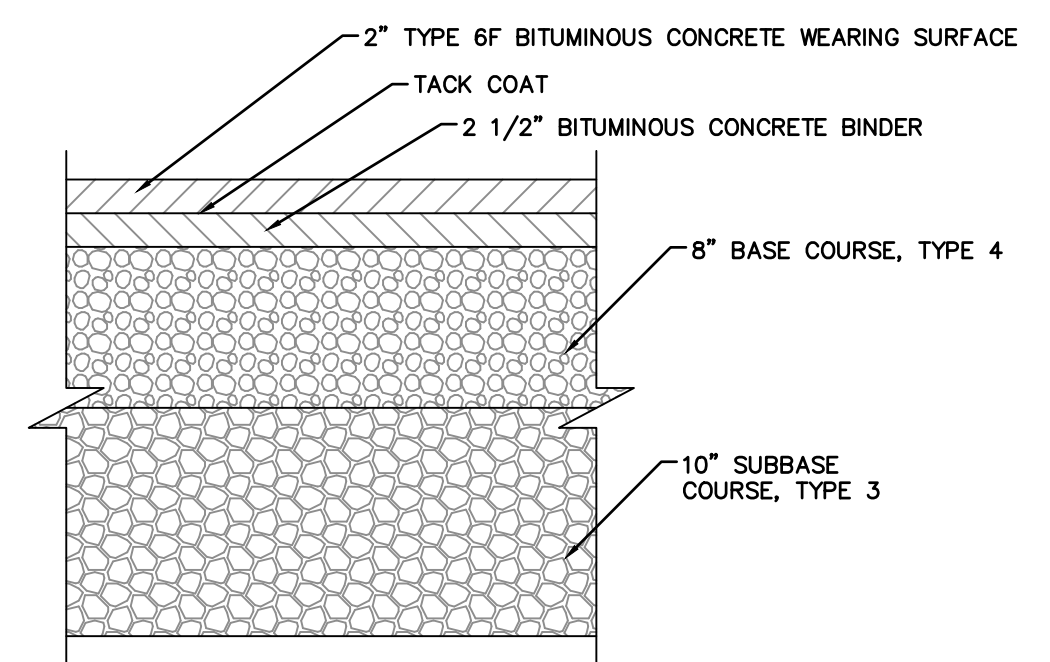
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**CD-501**



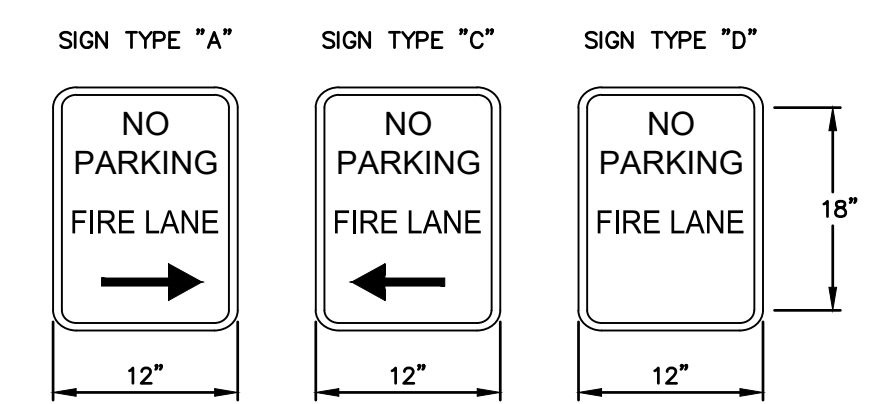


- NOTES**
1. 1 INCH DEEP BEVELED JOINT AT TOP AND FACE OF CURB EVERY 10 FEET.
  2. 1/2 INCH EXPANSION JOINT AND FILLER EVERY 30 FEET.
  3. 1/2 INCH EXPANSION JOINT AND FILLER WHEN CURB IS ADJACENT TO CONCRETE SIDEWALK.

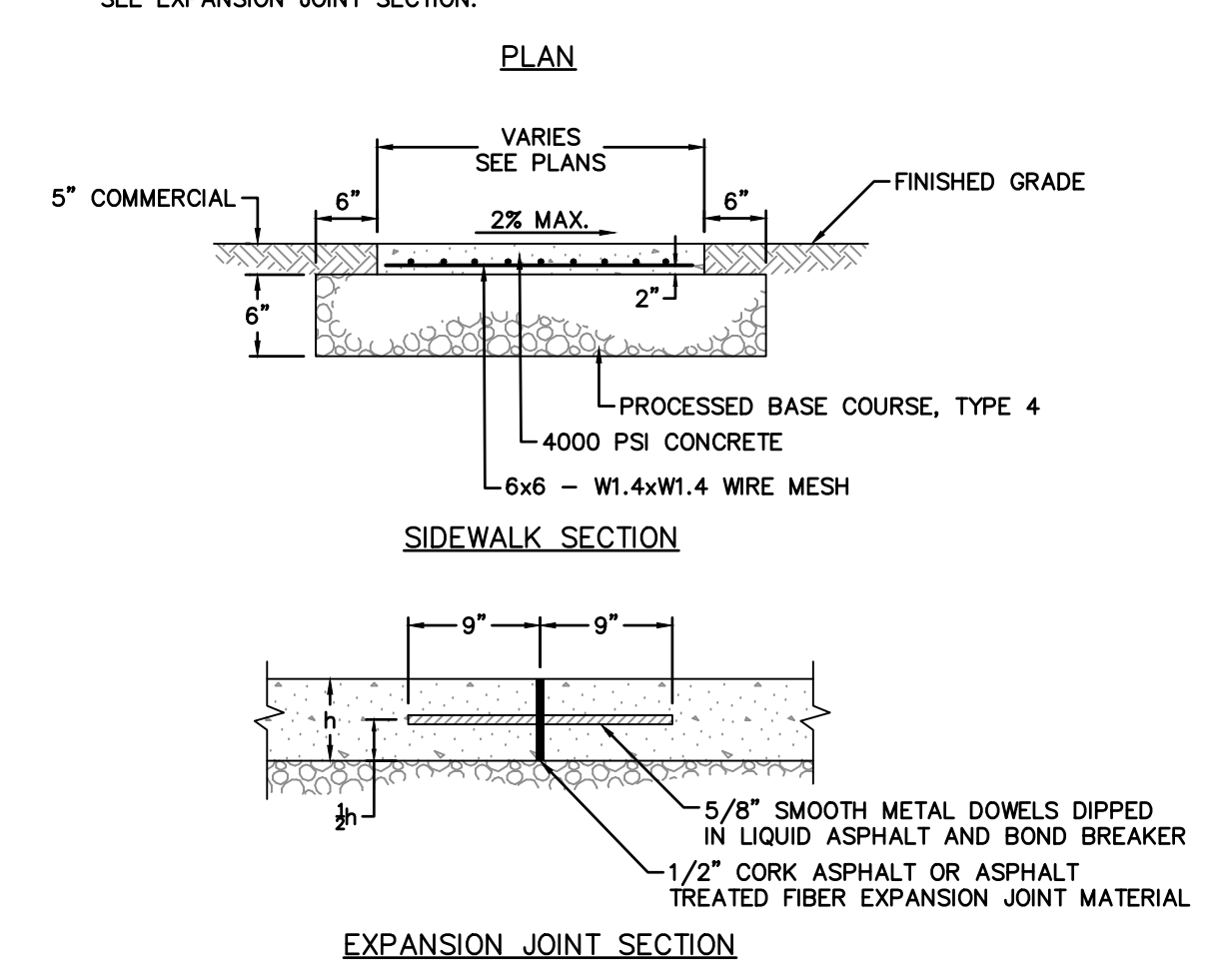
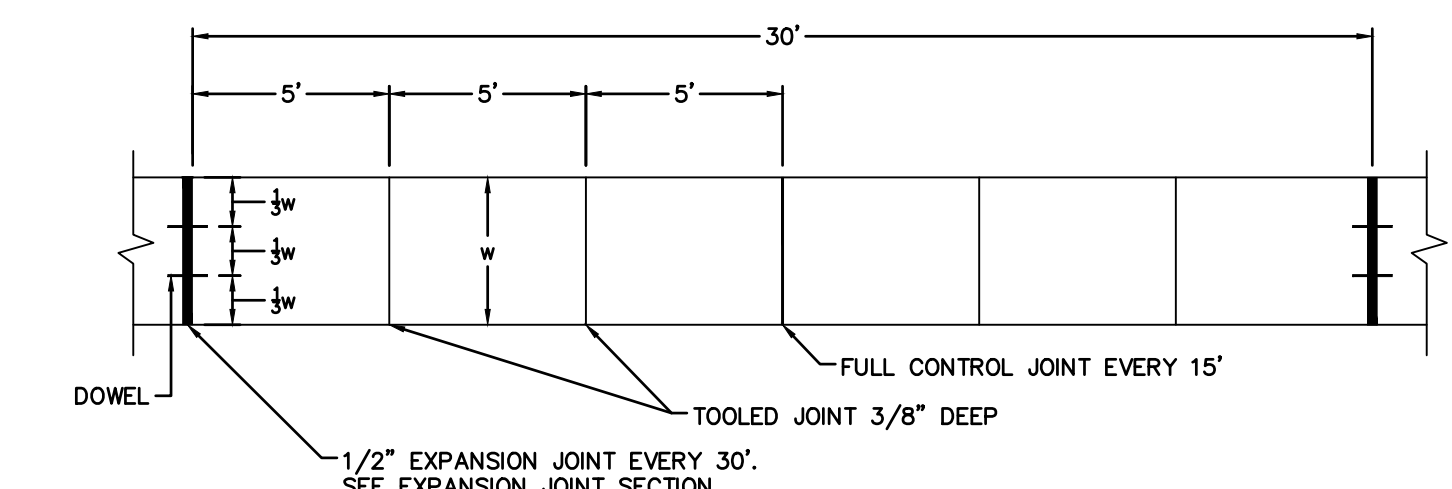
**CONCRETE CURB**  
NOT TO SCALE



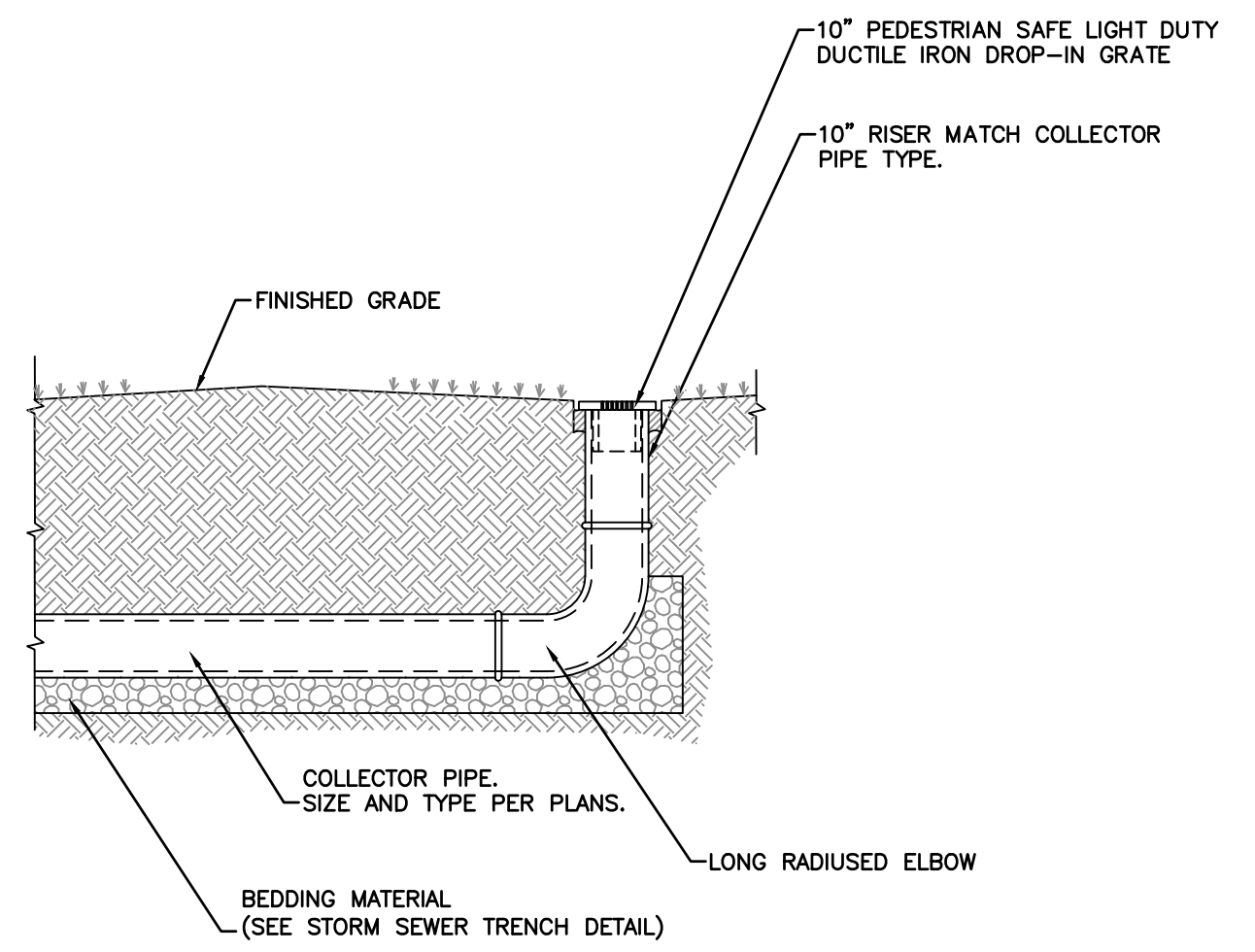
- NOTES**
1. SEAL JOINTS BETWEEN NEW AND EXISTING ASPHALT WITH LIQUID TACK-COAT.
- BITUMINOUS CONCRETE PAVEMENT (HEAVY DUTY)**  
NOT TO SCALE



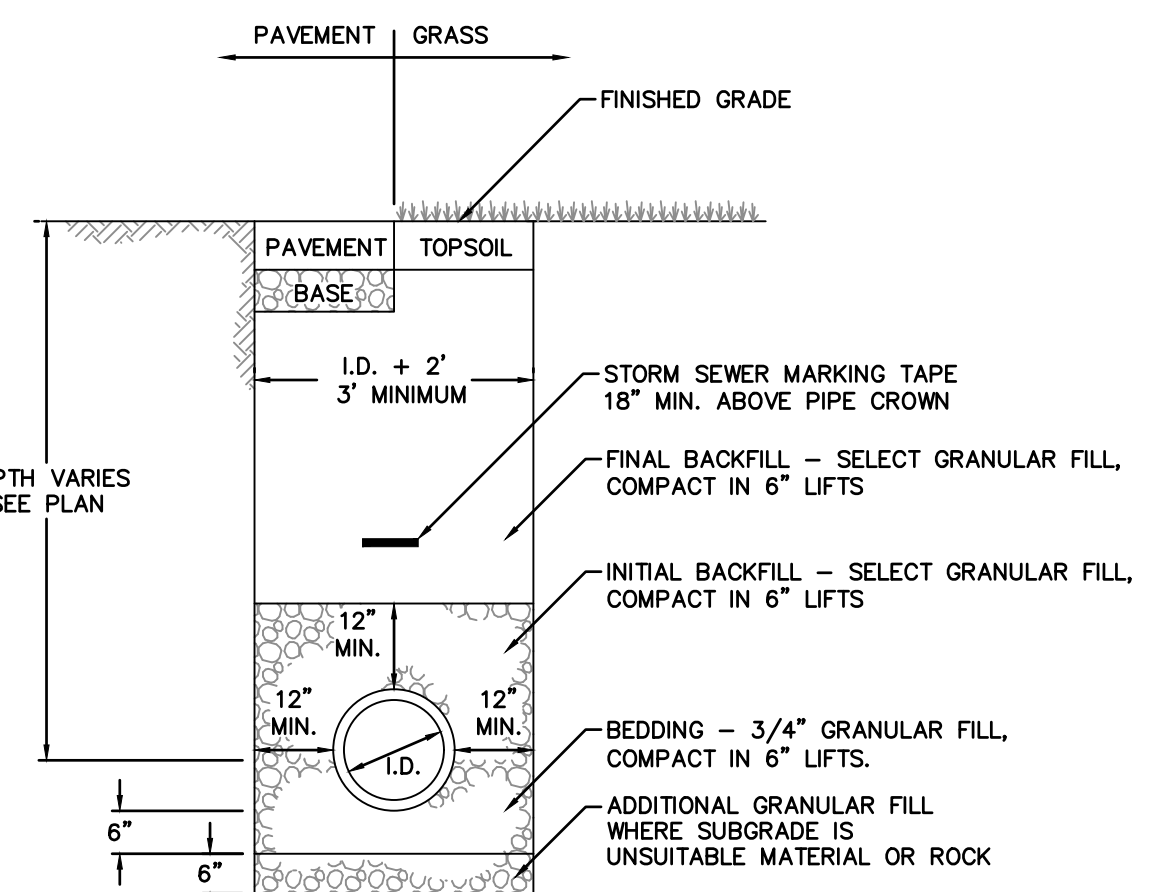
- NOTES**
1. SIGNS SHALL BE ALUMINUM, PAINTED WHITE WITH RED LETTERS.
- FIRE LANE SIGNS TYPE A, C, & D**  
NOT TO SCALE



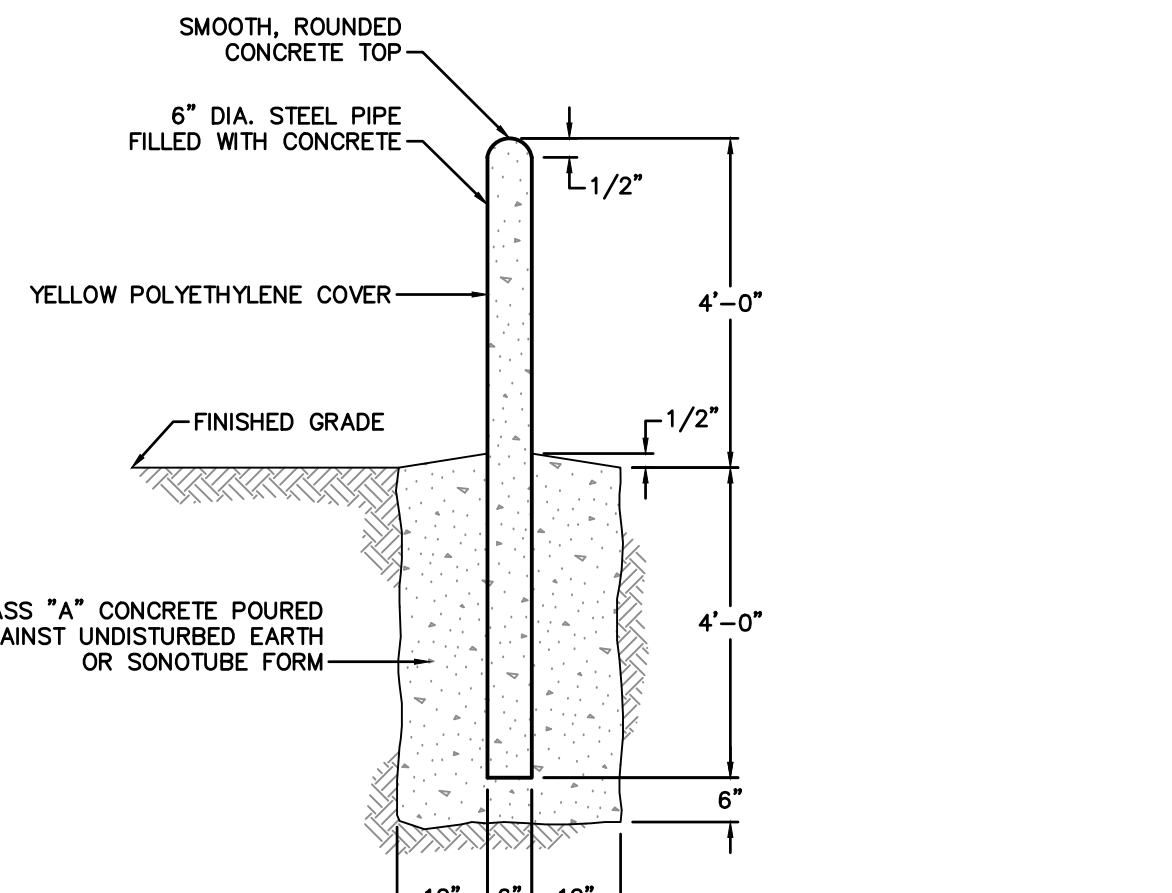
**CONCRETE SIDEWALK**  
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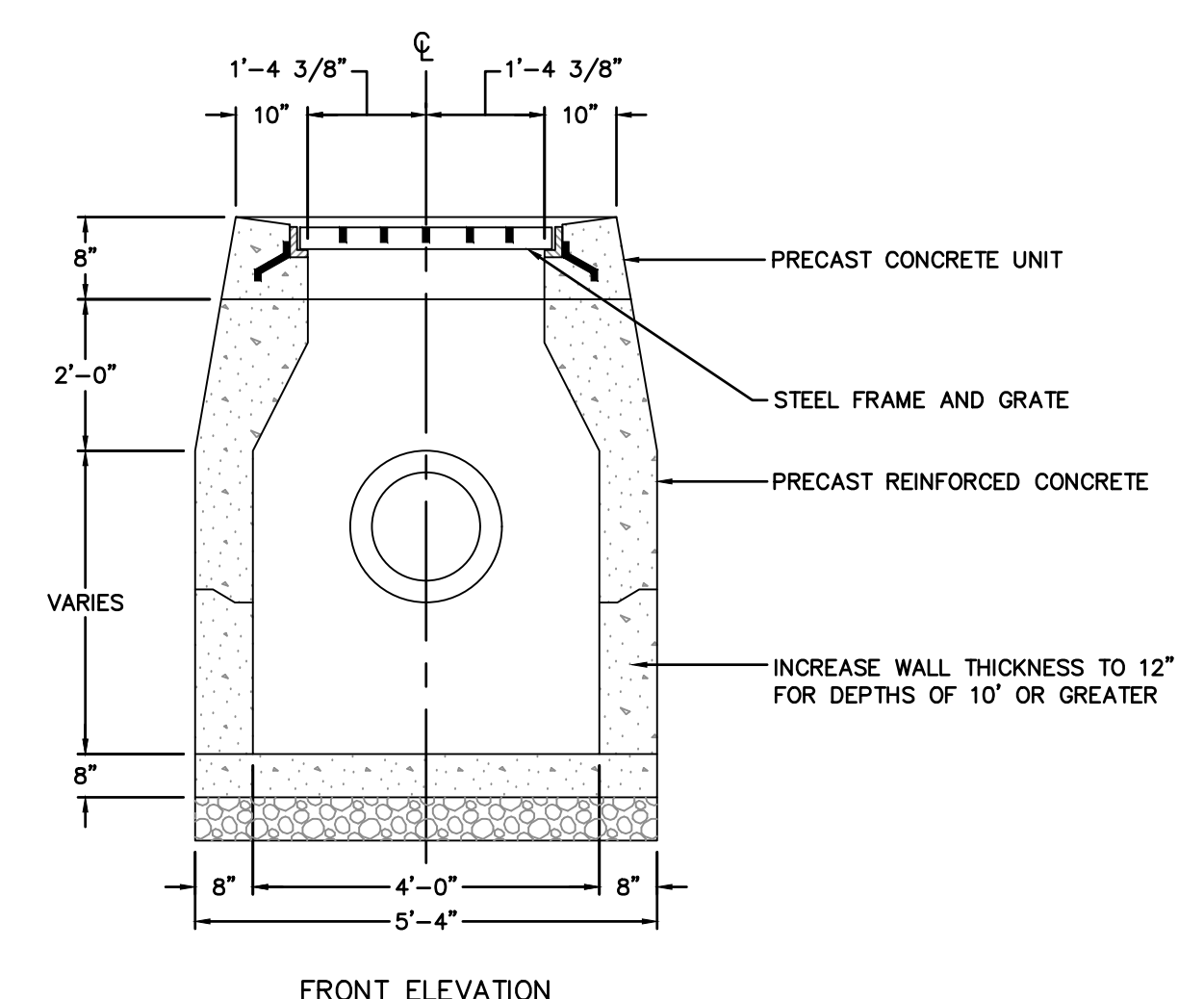
**YARD DRAIN (LIGHT DUTY)**  
NOT TO SCALE



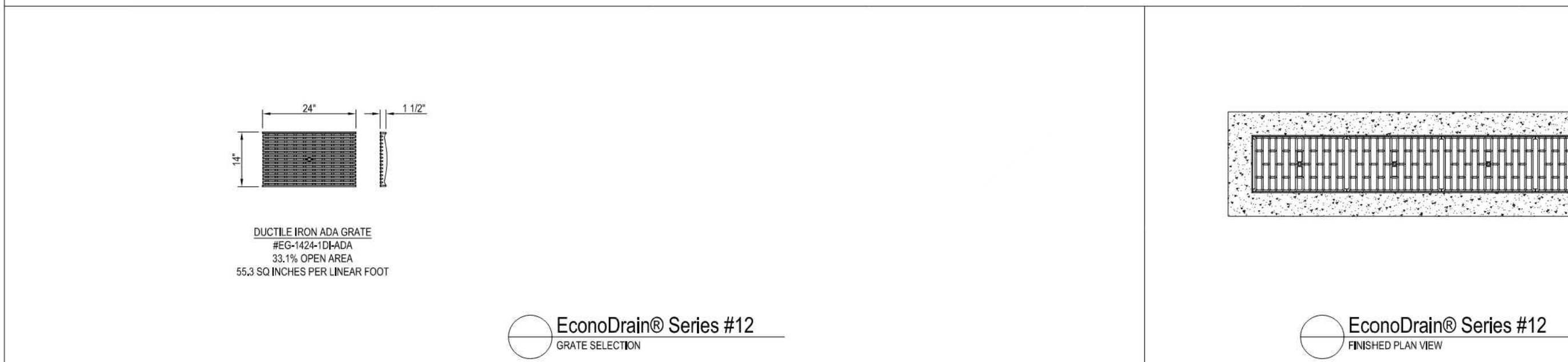
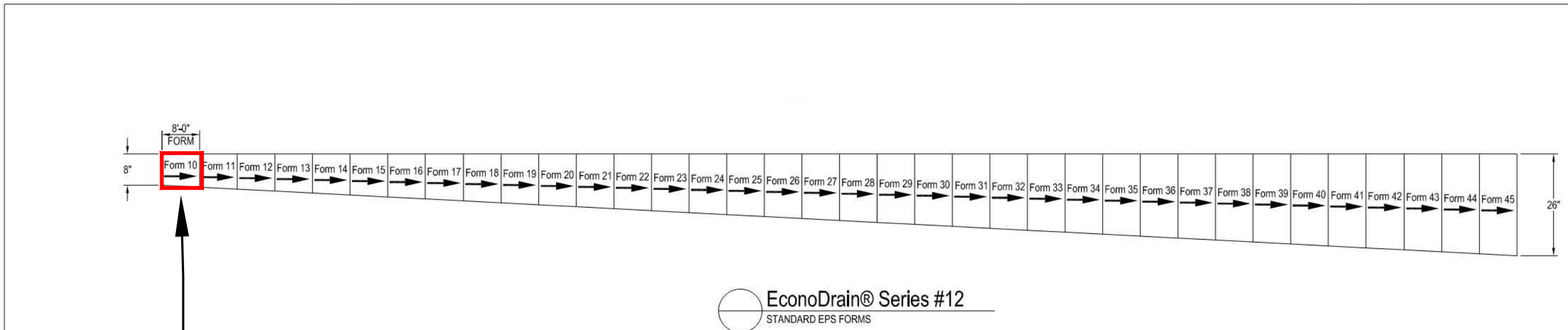
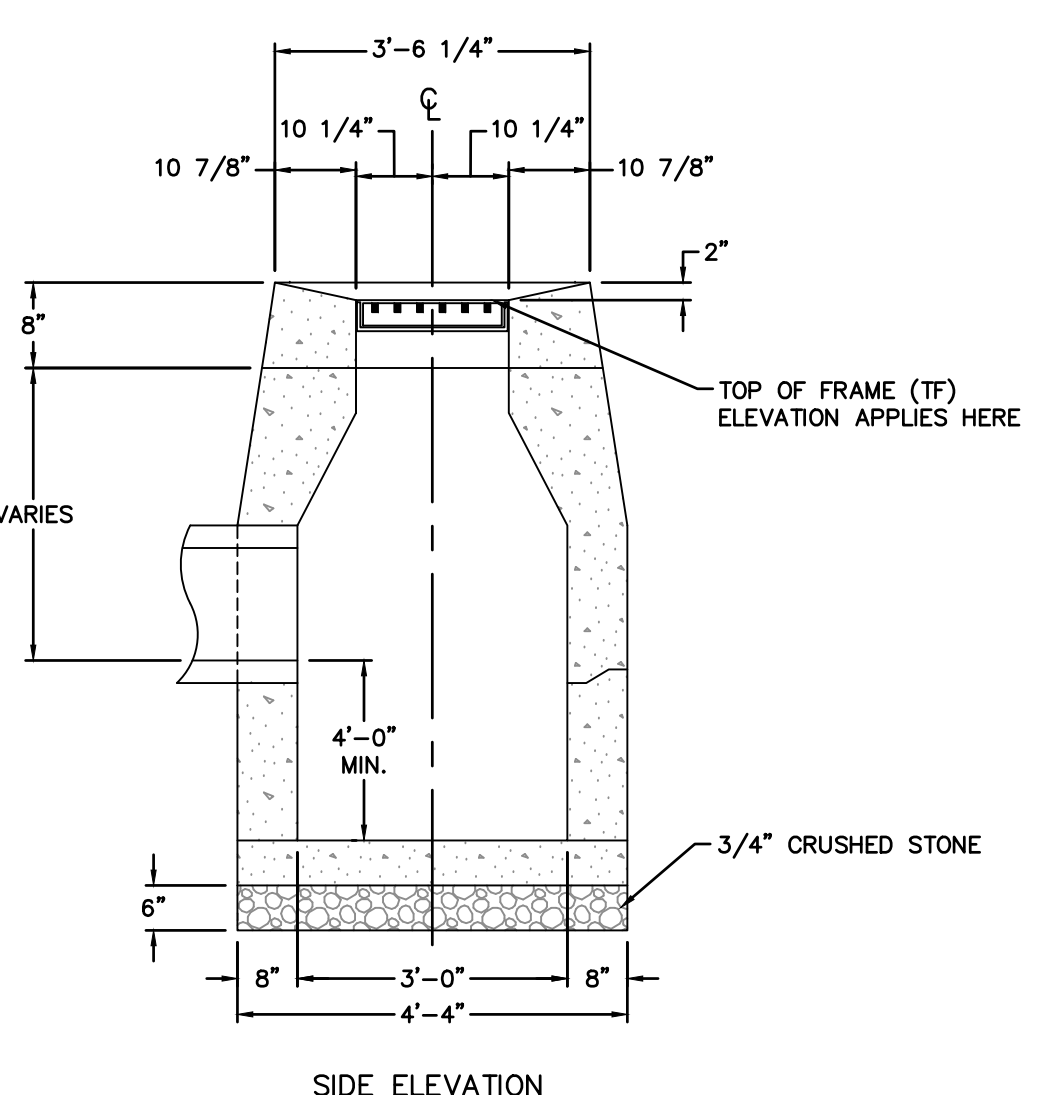
**STORM SEWER TRENCH**  
NOT TO SCALE



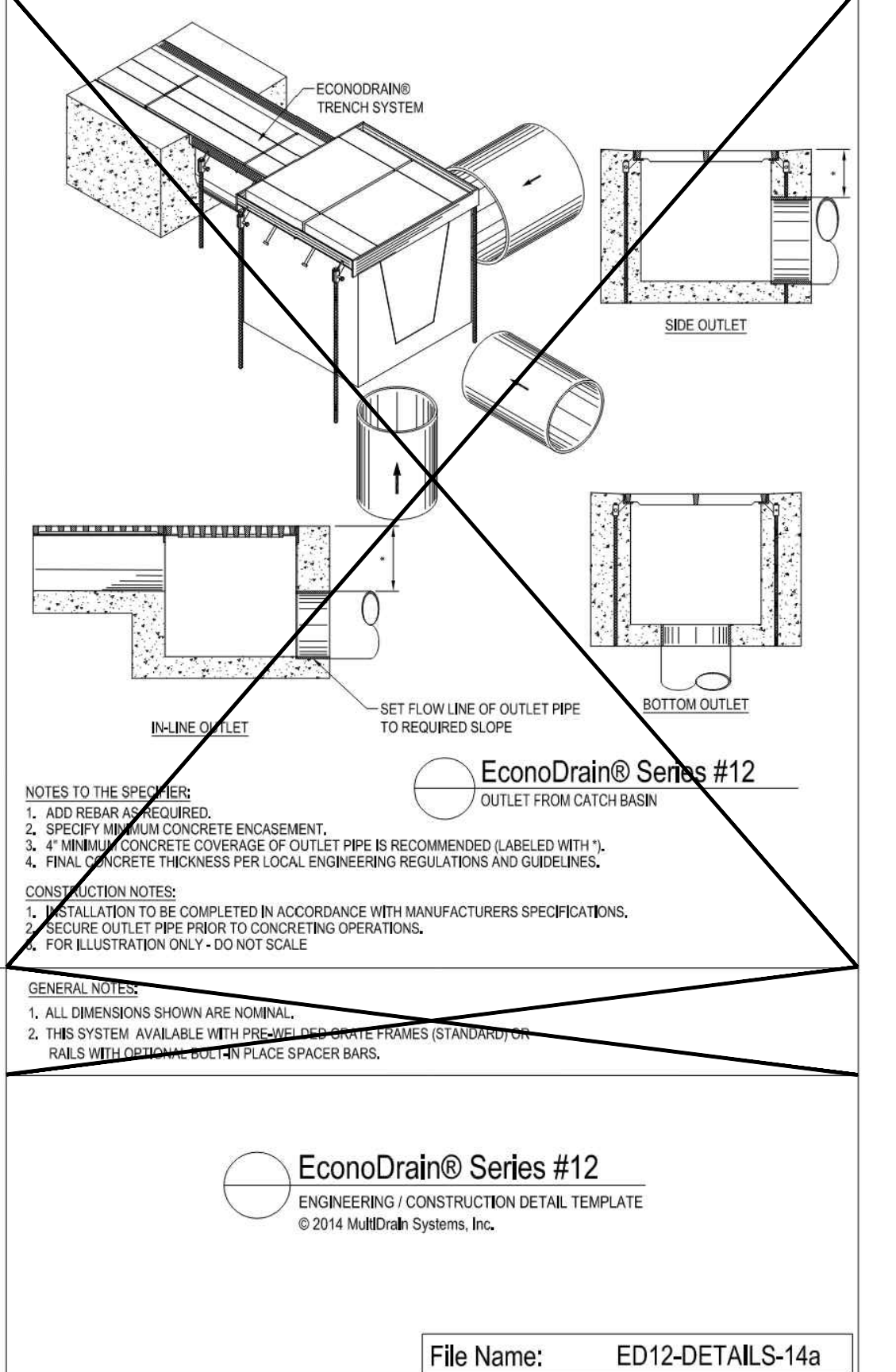
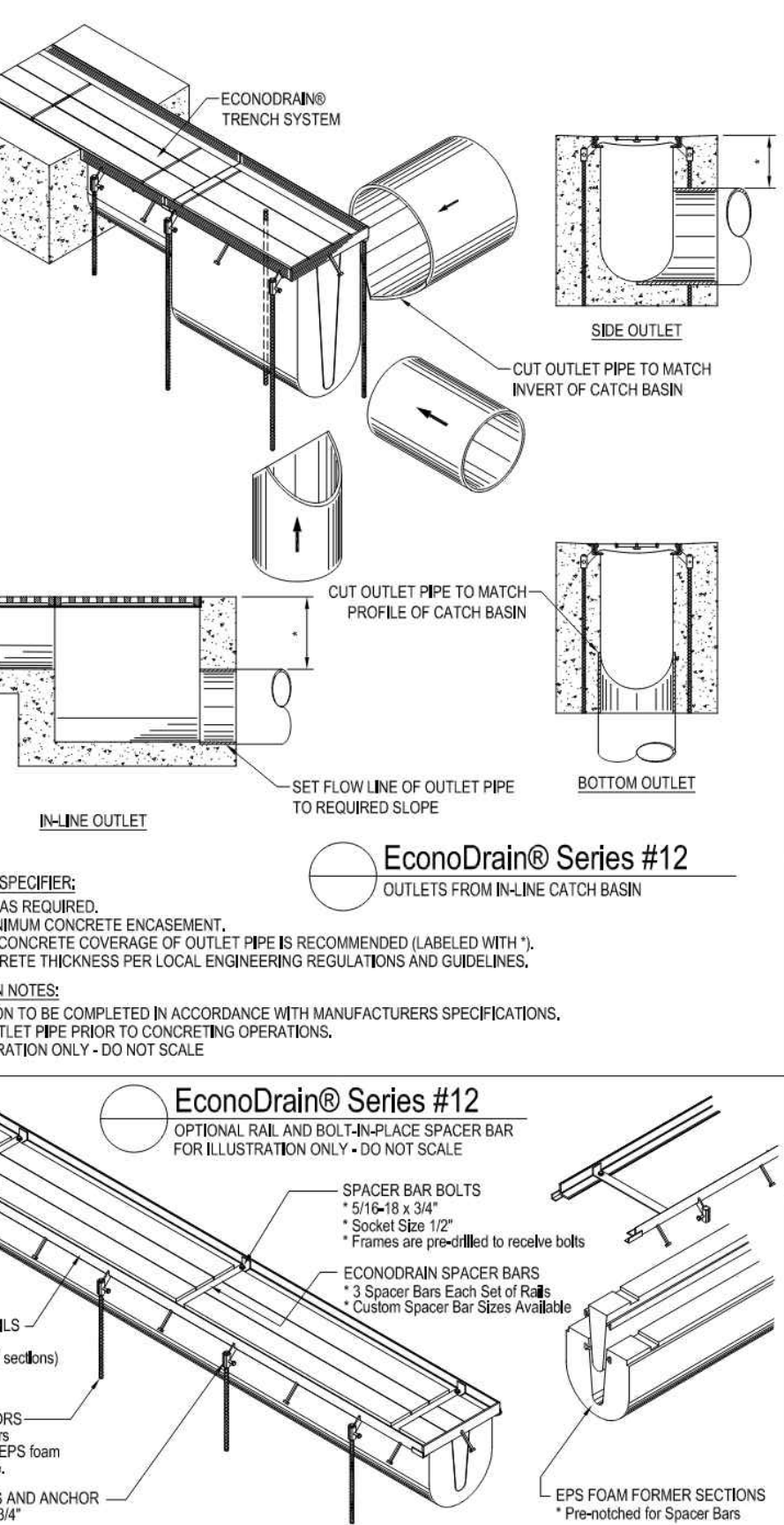
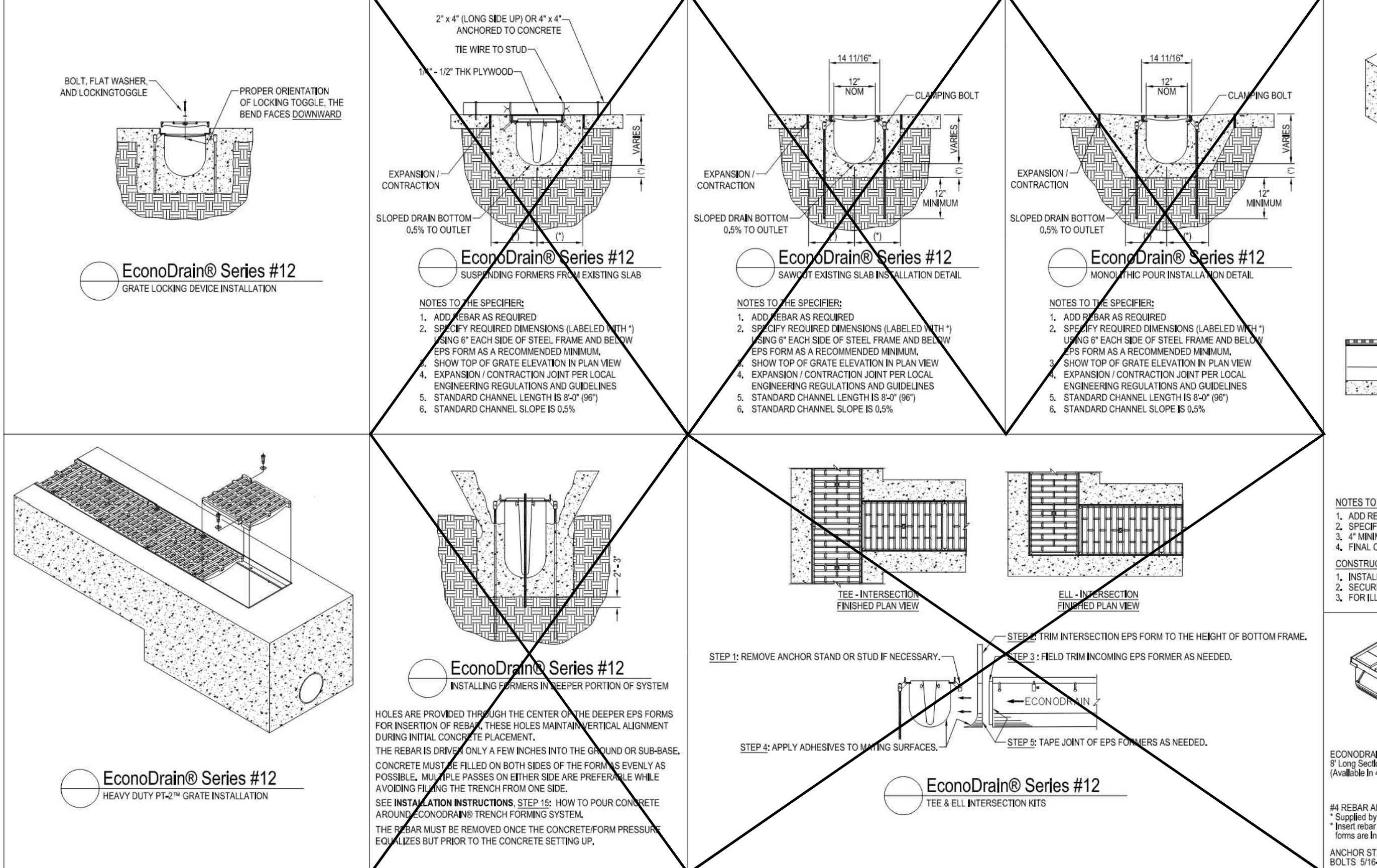
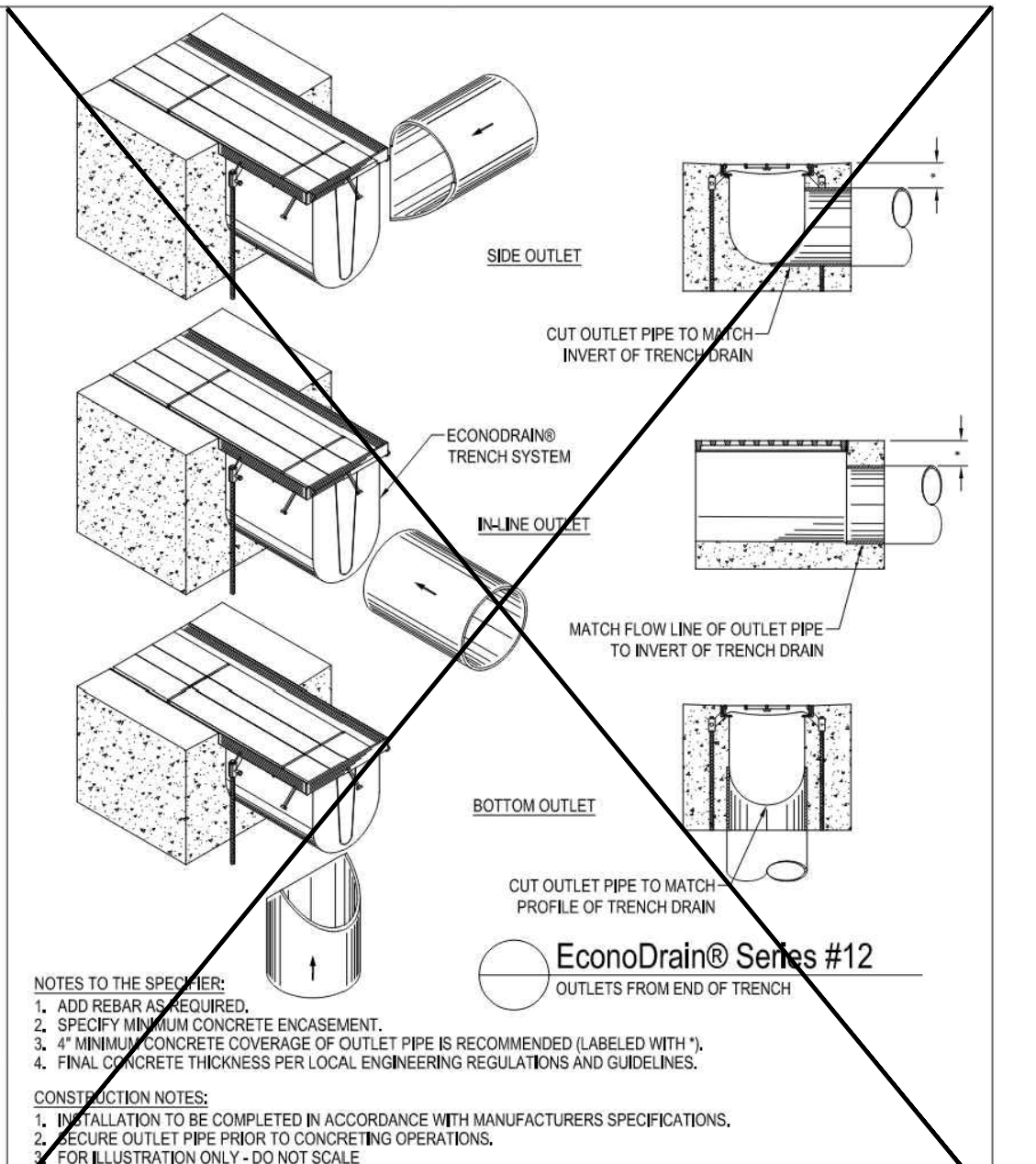
**6 inch DIA. CONCRETE BOLLARD**  
NOT TO SCALE



**PRECAST CONCRETE CATCH BASIN**  
NOT TO SCALE



EPS FORM	DEPTH		FLOW QPM
	MIN	MAX	
11	8 1/2"	9"	829
12	9"	9 1/2"	915
13	9 1/2"	10"	1003
14	10"	10 1/2"	1091
15	10 1/2"	11"	1180
16	11"	11 1/2"	1269
17	11 1/2"	12"	1359
18	12"	12 1/2"	1450
19	12 1/2"	13"	1541
20	13"	13 1/2"	1633
21	13 1/2"	14"	1725
22	14"	14 1/2"	1817
23	14 1/2"	15"	1910
24	15"	15 1/2"	2002
25	15 1/2"	16"	2095
26	16"	16 1/2"	2189
27	16 1/2"	17"	2282
28	17"	17 1/2"	2376
29	17 1/2"	18"	2470
30	18"	18 1/2"	2564
31	18 1/2"	19"	2658
32	19"	19 1/2"	2753
33	19 1/2"	20"	2847
34	20"	20 1/2"	2942
35	20 1/2"	21"	3036
36	21"	21 1/2"	3131
37	21 1/2"	22"	3226
38	22"	22 1/2"	3321
39	22 1/2"	23"	3416
40	23"	23 1/2"	3511
41	23 1/2"	24"	3607
42	24"	24 1/2"	3702
43	24 1/2"	25"	3798
44	25"	25 1/2"	3893
45	25 1/2"	26"	3989



PLANNING BOARD RESUBMISSION	LM	CL	2/23/14/07
ISSUED FOR PERMIT	LM	CL	2/23/12/22
Issued/Revision	By	Appd	YYYY.MM.DD

Permit/Seal



Client/Project Logo



Client/Project  
Pfizer Global Research and Development

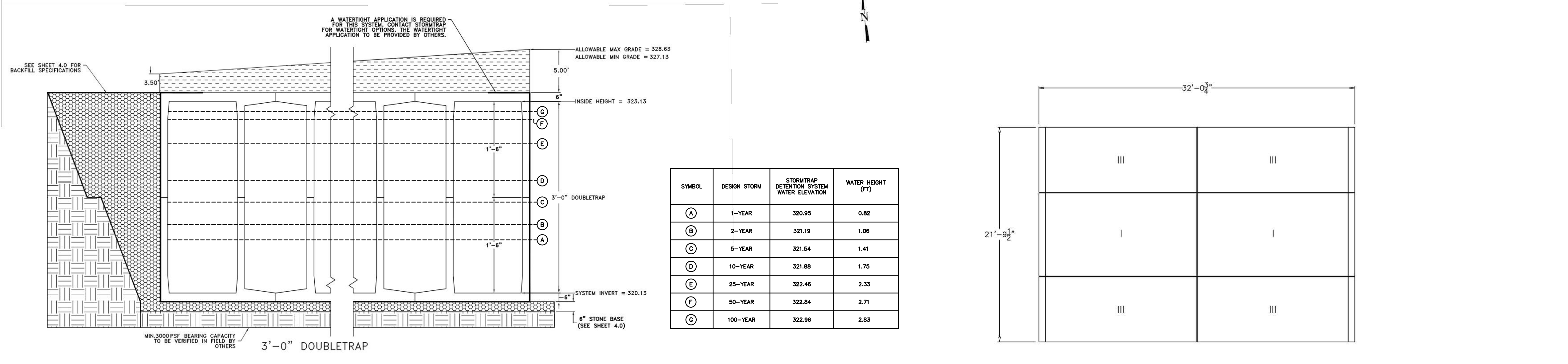
Hamilton BIOS #2 Addition

Pearl River, NY

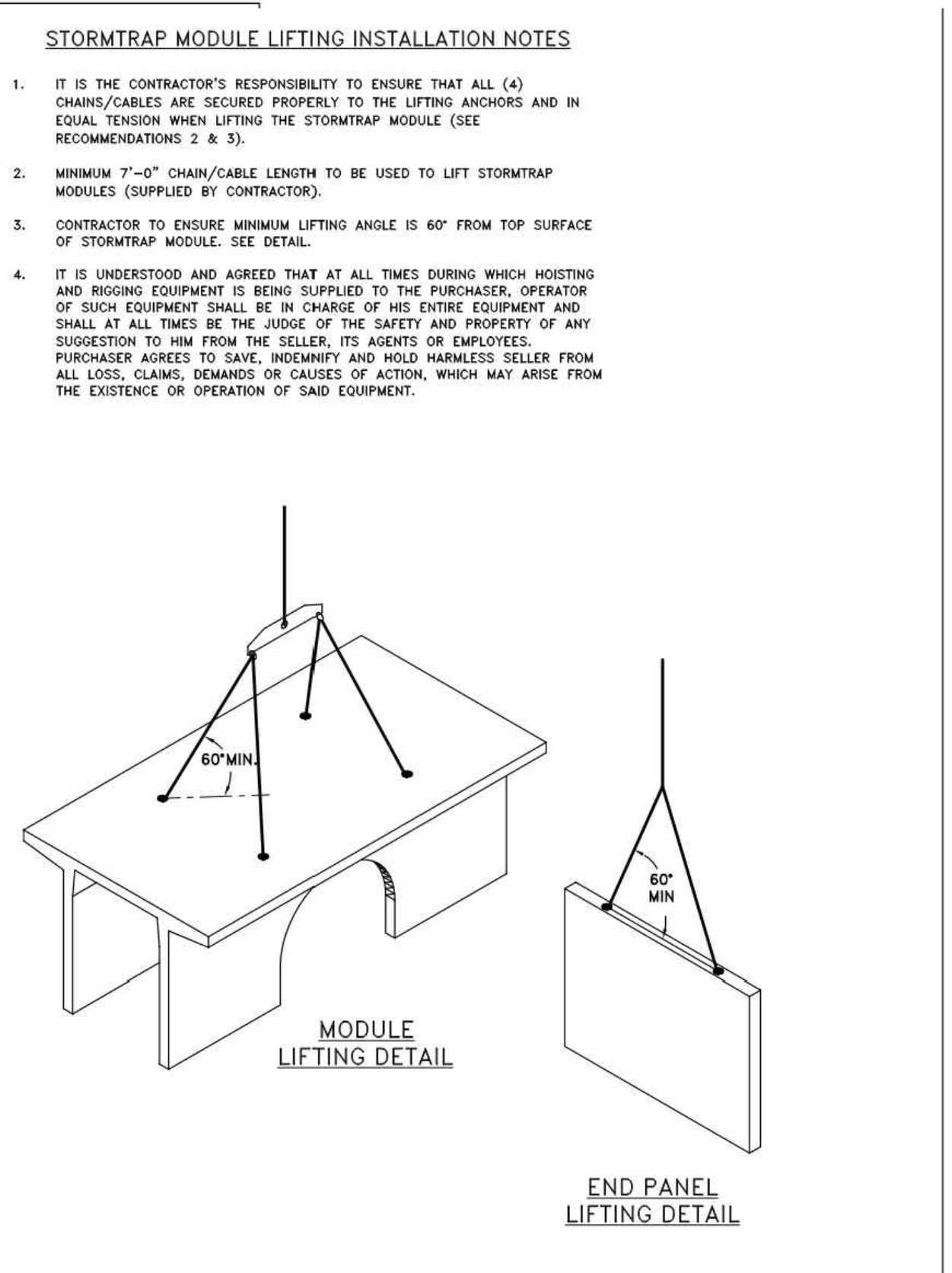
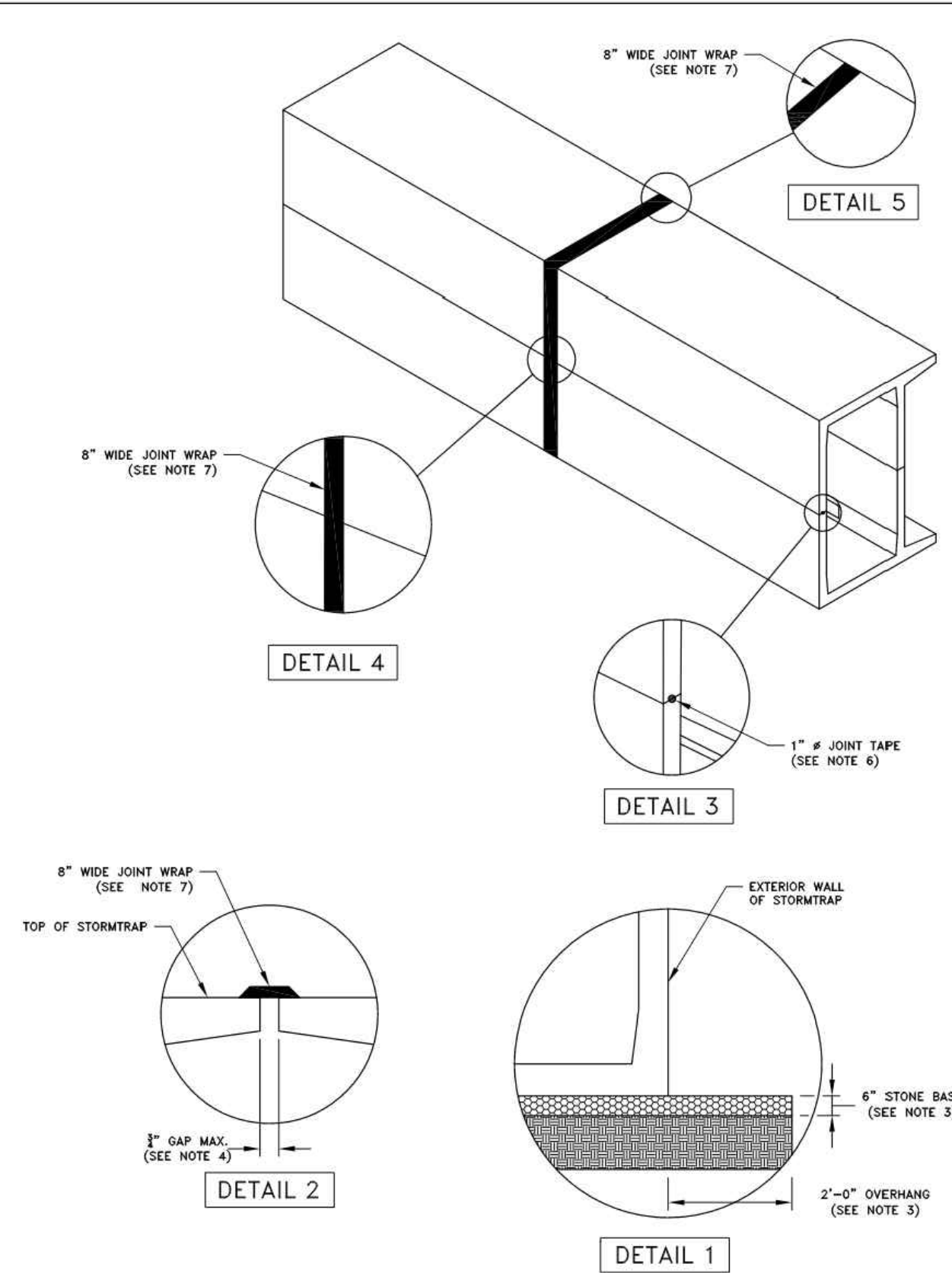
Title  
**SITE DETAILS**

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STRUCTURAL DESIGN LOADING CRITERIA, STORMTRAP SYSTEM INFORMATION, SITE SPECIFIC DESIGN CRITERIA, BILL OF MATERIALS, LOADING DISCLAIMER, DESIGN CRITERIA



- STORMTRAP INSTALLATION SPECIFICATIONS
1. STORMTRAP SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C891...
2. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO ENSURE THAT PROPER/ADEQUATE EQUIPMENT IS USED TO SET/INSTALL THE MODULES.



ZONE CHART table with columns for zones, descriptions, and remarks.

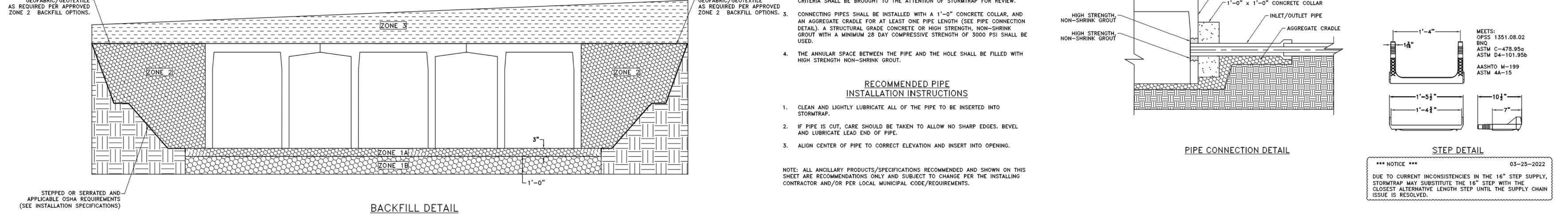
FILL DEPTH, TRACK WIDTH, MAX VEHICLE WEIGHT (KIPS), MAX GROUND PRESSURE table.

- RECOMMENDED ACCESS OPENING SPECIFICATION
1. A TYPICAL ACCESS OPENING FOR THE STORMTRAP SYSTEM ARE 2'-0" IN DIAMETER. ACCESS OPENINGS LARGER THAN 3'-0" IN DIAMETER NEED TO BE APPROVED BY STANTEC...

- APPROVED ZONE 2 BACKFILL OPTIONS
3" STONE AGGREGATE
SAND
CRUSHED CONCRETE AGGREGATE
ROAD PACK

- STORMTRAP ZONE INSTALLATION SPECIFICATIONS/PROCEDURES
1. THE FILL PLACED AROUND THE STORMTRAP MODULES MUST DEPOSITED ON BOTH SIDES AT THE SAME TIME AND TO APPROXIMATELY THE SAME ELEVATION...
2. DURING PLACEMENT OF MATERIAL OVERTOP THE SYSTEM AT NO TIME SHALL MACHINERY BE USED OVERTOP THAT EXCEEDS THE DESIGN LIMITATIONS OF THE SYSTEM...

- RECOMMENDED PIPE OPENING SPECIFICATION
1. MINIMUM EDGE DISTANCE FOR AN OPENING ON THE OUTSIDE WALL SHALL BE NO LESS THAN 1'-0".
2. MAXIMUM OPENING SIZE TO BE DETERMINED BY THE MODULE HEIGHT...



STORMTRAP STORMWATER MANAGEMENT SYSTEM NOT TO SCALE

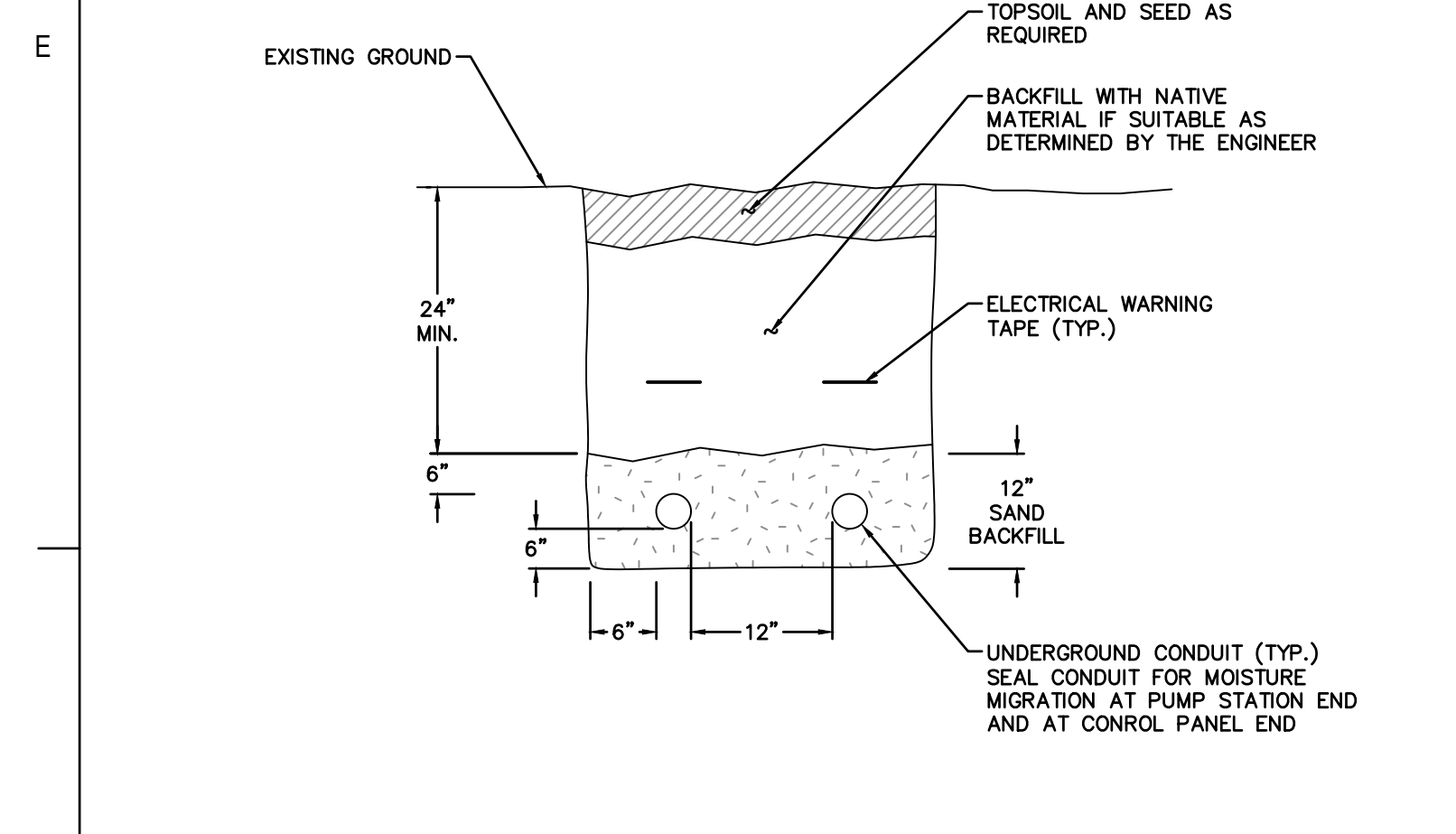
Revision table with columns for revision number, description, and date.

Permit/Seal section including a professional seal and project information.

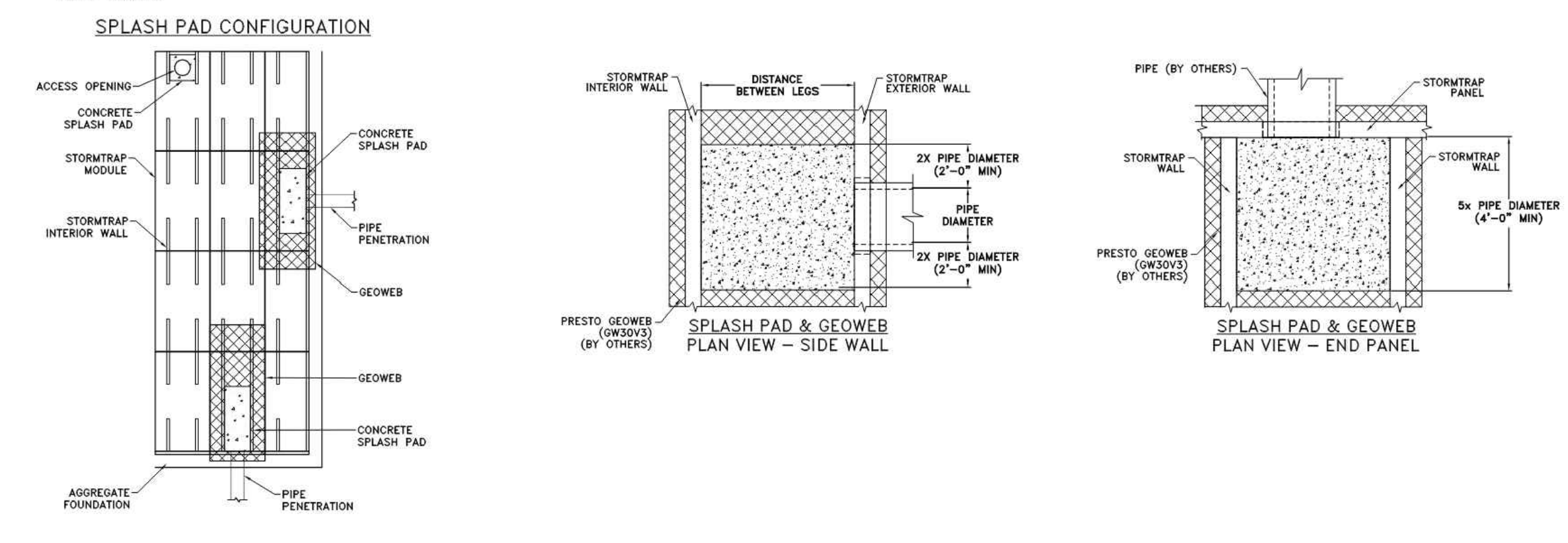
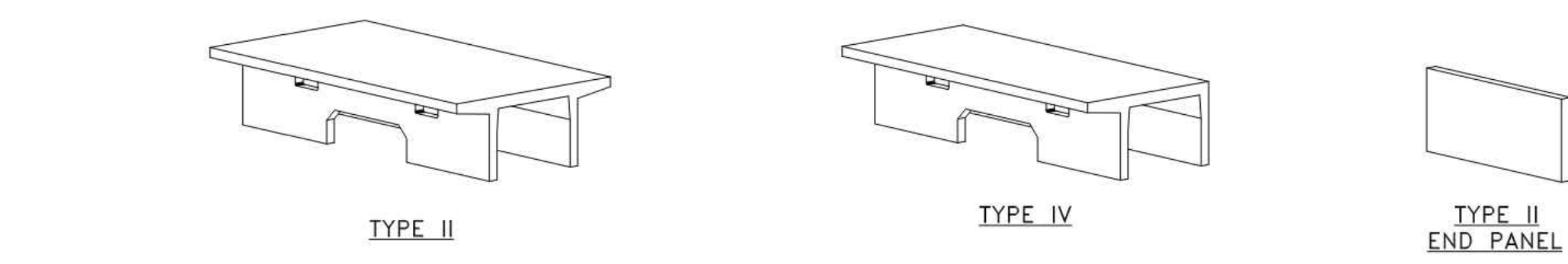
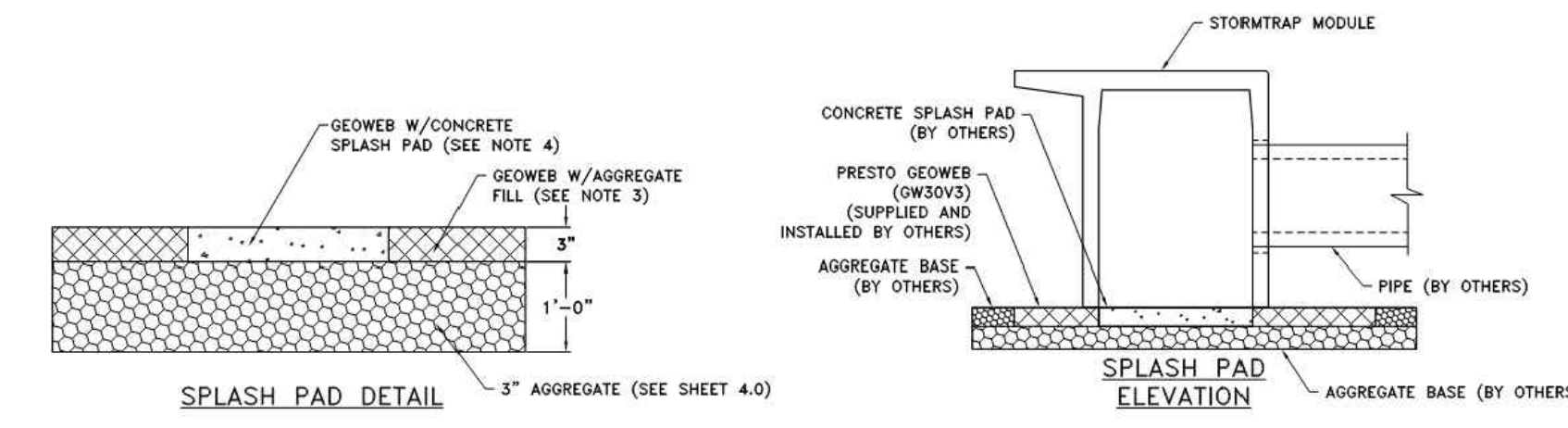
Client/Project Logo section featuring the Pfizer logo.

Client/Project: Pfizer Global Research and Development
Hamilton BIOS #2 Addition
Pearl River, NY

File Path: J:\DWG\2020\11246S4N\DWG\Plan\20111246S4N\_DET01.dwg; User: STANSKI; Date: 06/05/2023 3:44 PM



- NOTES:
1. THE APPROVED GEOWEB SHALL BE PRESTO GEOWEB (OW20V). THE GEOWEB NOMINAL DIMENSIONS SHALL BE 9'-FT X 25'-FT.
2. THE CONCRETE SPLASH PAD AND GEOWEB SHALL BE INSTALLED PRIOR TO INSTALLATION OF THE STORMTRAP MODULES.
3. THE GEOWEB INFILL MATERIAL SHALL BE #5 AGGREGATE.
4. THE CONCRETE SPLASH PAD SHALL BE INSTALLED WITHIN THE GEOWEB AND IS REQUIRED AT ALL PIPE ENTRY LOCATIONS.
5. THE GEOWEB EDGE SHALL BE INSTALLED 1'-FT BEYOND THE OUTER PERIMETER OF THE STORMTRAP SYSTEM.
6. THE GEOWEB DIMENSIONAL DIMENSION (L24-FT) SHALL BE INSTALLED PARALLEL TO THE STORMTRAP LEGS.
7. THE CONCRETE SPLASH PAD AND GEOWEB SHALL BE CENTERED AT THE PIPE PENETRATION.
8. REFER TO SPLASH PAD LAYOUT FOR CONCRETE SPLASH PAD DIMENSIONS.
9. IF ANY PRODUCT OTHER THAN PRESTO GEOWEB IS TO BE INSTALLED, THE PRODUCT MANUFACTURER IS REQUIRED TO SUBMIT A LETTER STATING THAT THE PRODUCT IS EQUAL OR BETTER THAN PRESTO GEOWEB, BOTH IN PERFORMANCE AND IN STRUCTURAL CAPACITY.
10. ALL GEOWEB AND SPLASH PADS TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
11. A CONCRETE SPLASH PAD IS REQUIRED AT ANY ACCESS OPENING THAT HAS AN OPEN GRATE FOR DRAINAGE. THE CONCRETE SPLASH PAD SHALL EXTEND BETWEEN THE UNIT LEG WALLS AND 3'-0" FROM THE CENTERLINE OF THE OPENING ON BOTH SIDES UNLESS SPECIFIED OTHERWISE ON THE SPLASH PAD LAYOUT. GEOWEB IS NOT REQUIRED UNDER ACCESS OPENINGS.

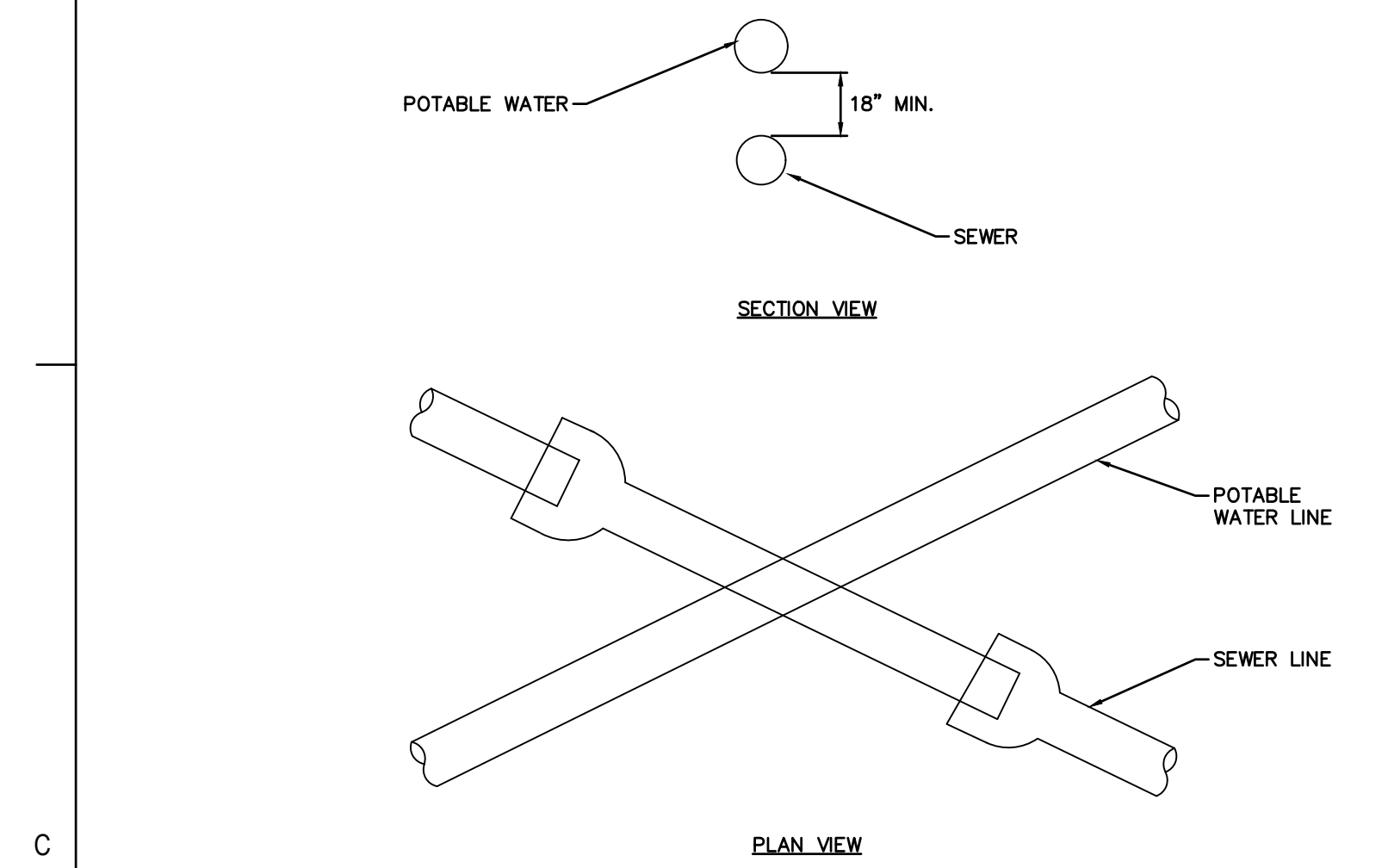


- NOTES:
1. OPENING LOCATIONS AND SHAPES MAY VARY.
2. SP - INDICATES A MODULE WITH MODIFICATIONS.
3. P - INDICATES A MODULE WITH A PANEL ATTACHMENT.
4. POCKET WINDOW OPENINGS ARE OPTIONAL.

STORMTRAP STORMWATER MANAGEMENT SYSTEM (CONT.) NOT TO SCALE

UNDERGROUND CONDUIT TRENCH DETAIL NOT TO SCALE

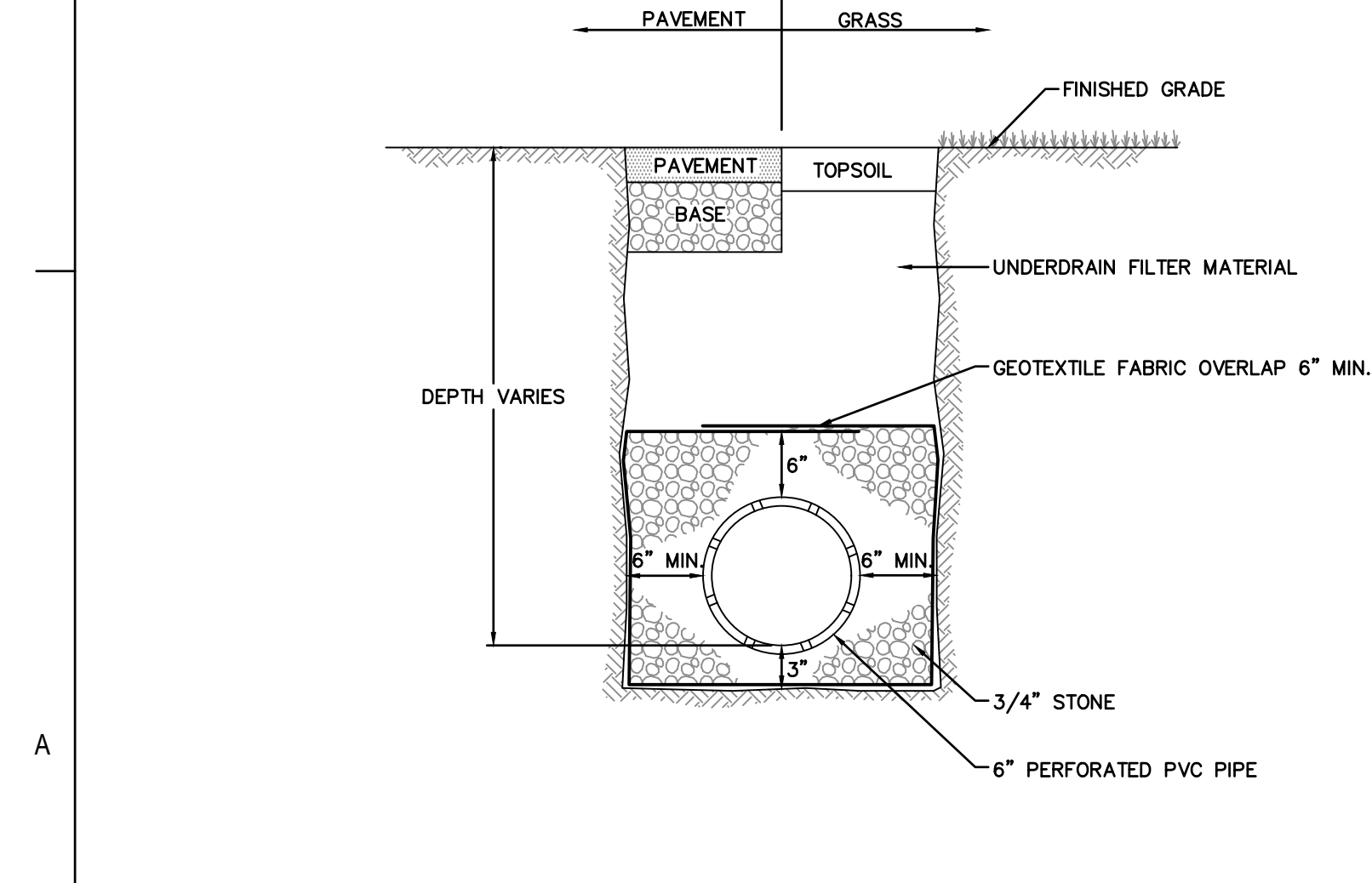
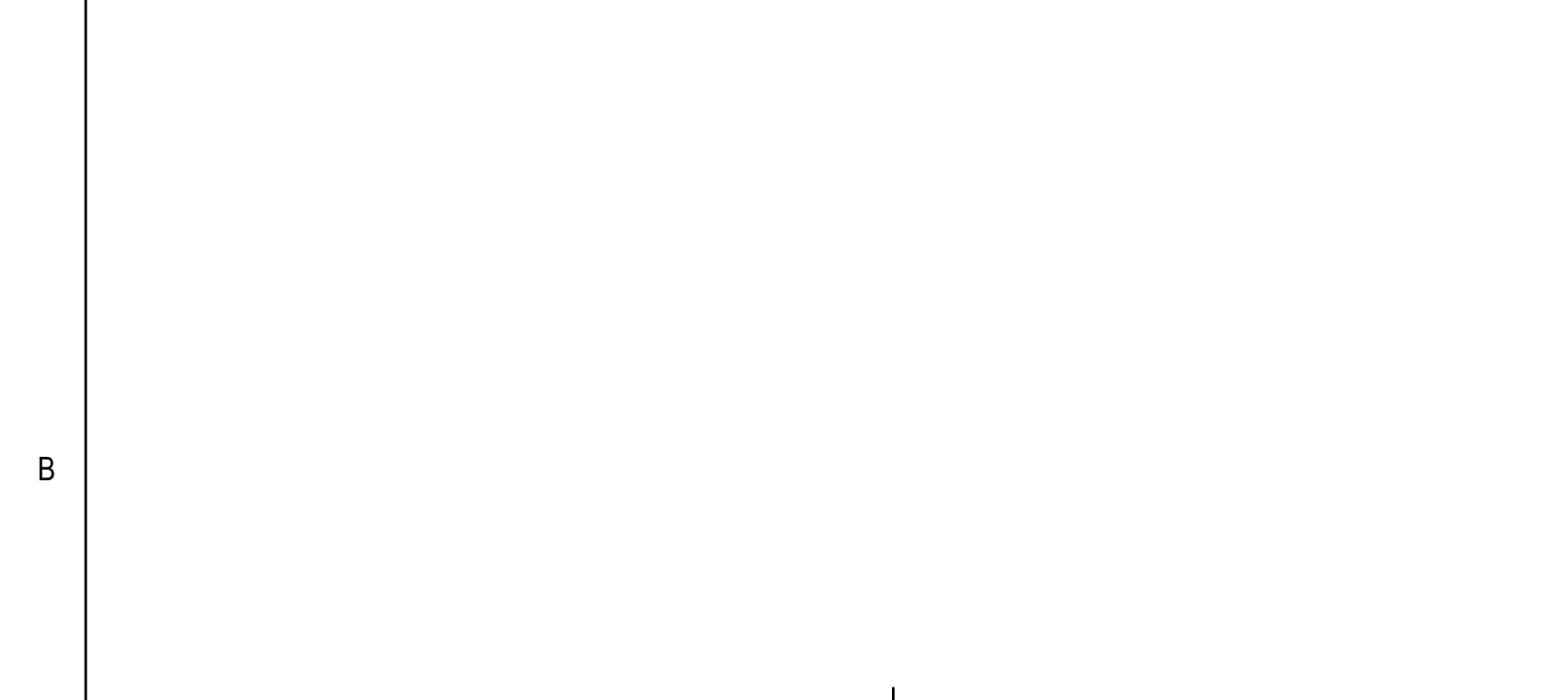
- 1. INSTALL ELECTRICAL MARKING TAPE ABOVE THE ELECTRIC CONDUIT AND BURIED ELECTRIC WIRING.



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, GEMT-LINED DUCTILE IRON PIPE OR EQUIVALENT AND PRESSURE TEST BOTH PIPES, OR C) ENCASE BOTH PIPES IN CONCRETE.

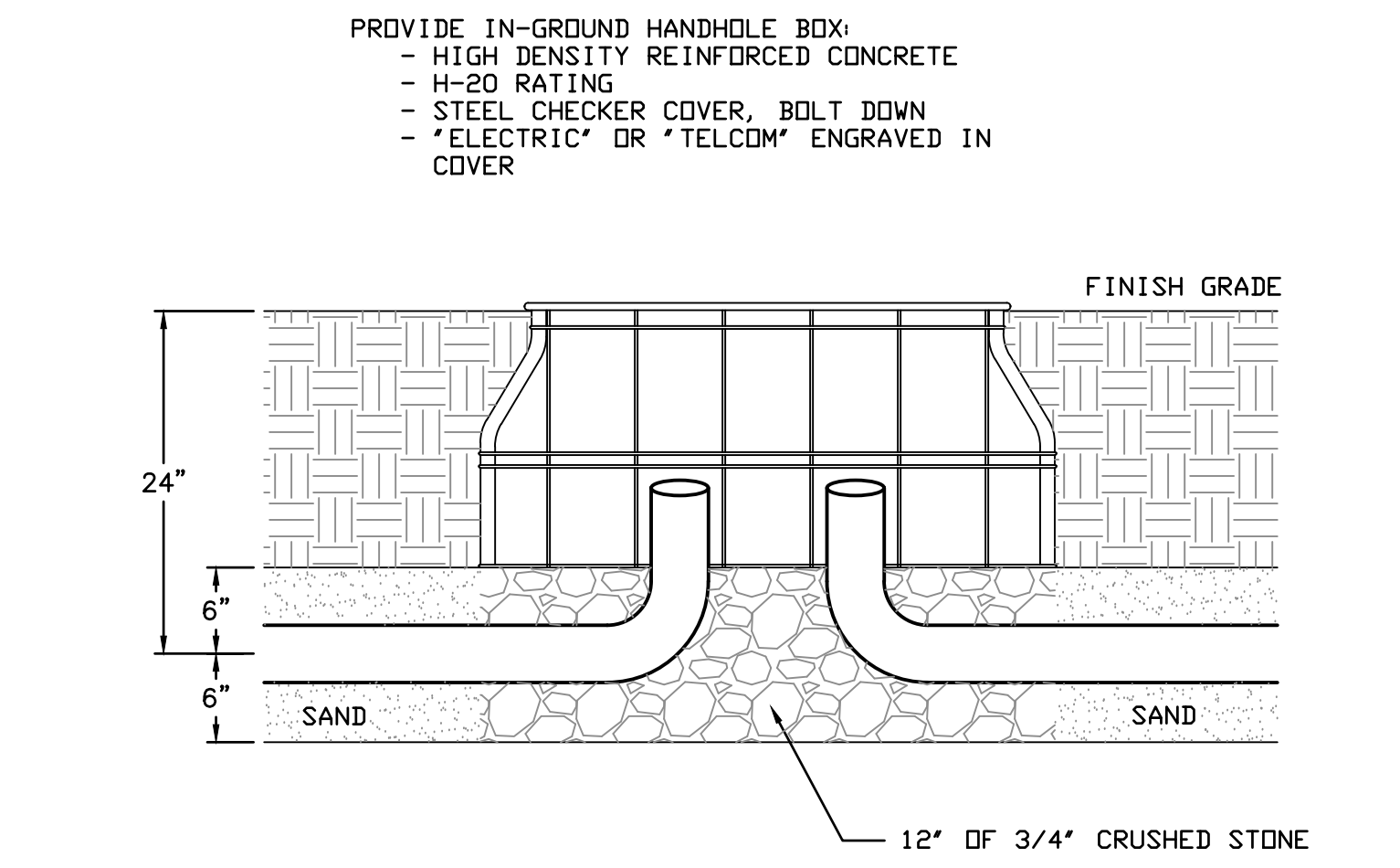
CROSSING OF SEWER & POTABLE WATER LINES NOT TO SCALE



OUTLET CONTROL STRUCTURE STMH #7 NOT TO SCALE



UNDERDRAIN NOT TO SCALE



HANDHOLE NOT TO SCALE

PROVIDE IN-GROUND HANDHOLE BOX:
- HIGH DENSITY REINFORCED CONCRETE
- H-20 RATING
- STEEL CHECKER COVER, BOLT DOWN
- 'ELECTRIC' OR 'TELECOM' ENGRAVED IN COVER

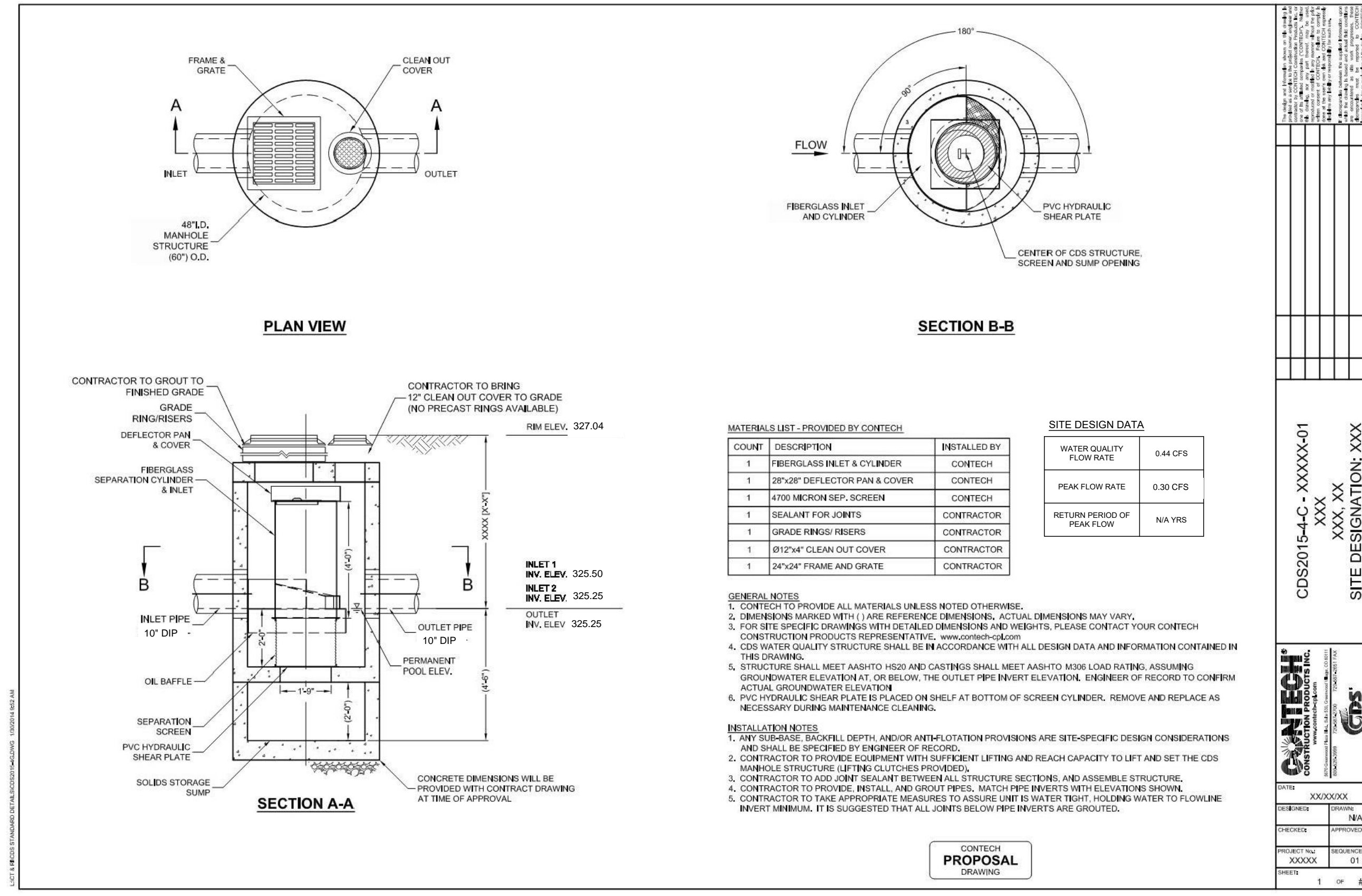
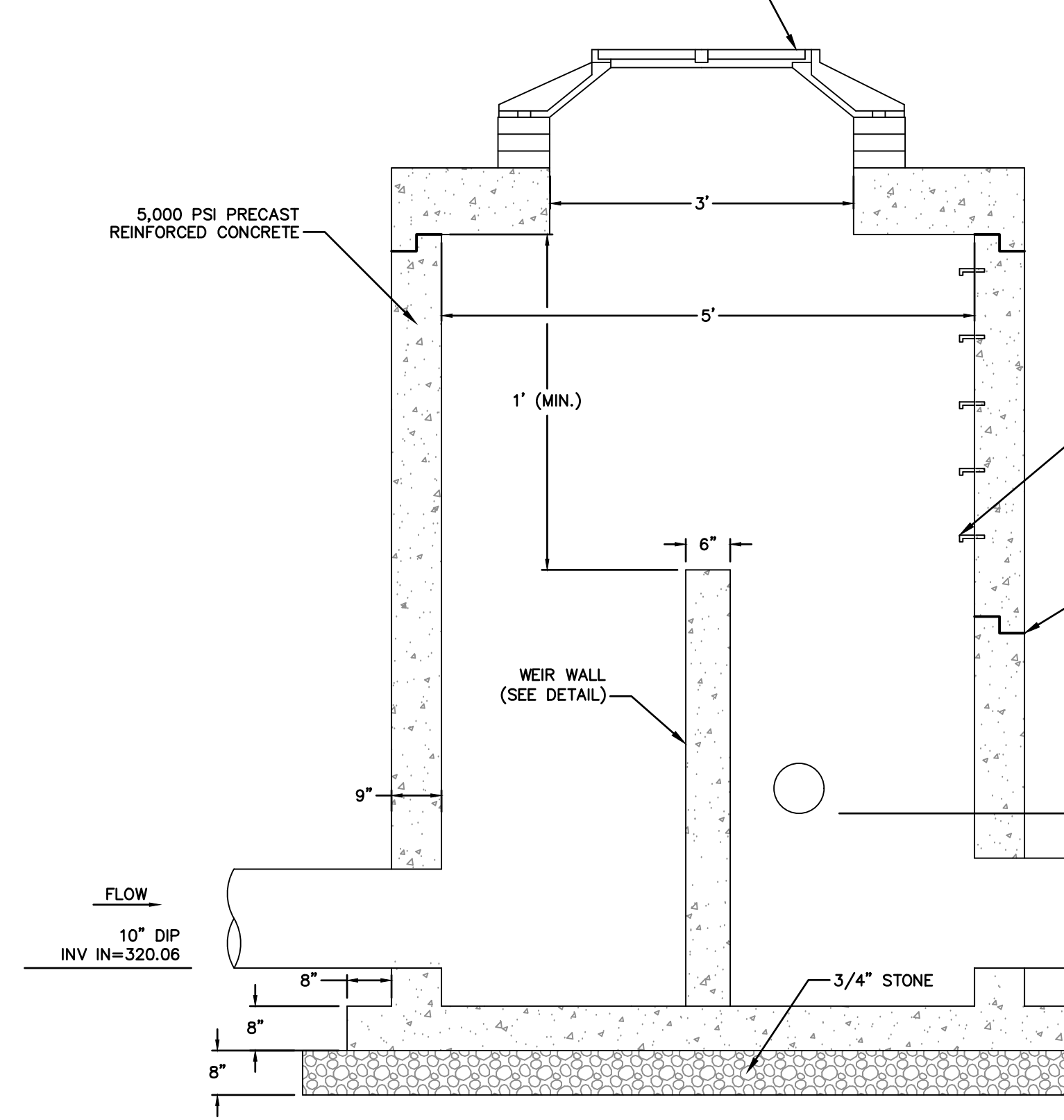
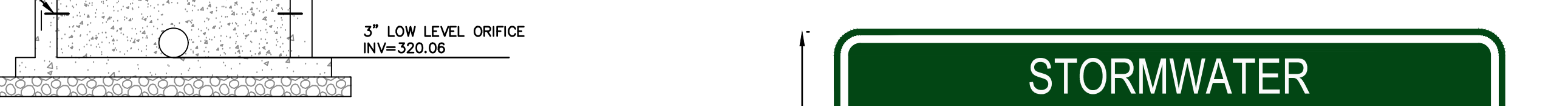


Table with columns for CODE, DESCRIPTION, INSTALLED BY, and SITE DESIGN DATA including flow rates and return period.

GENERAL NOTES:
1. CONTRACTOR TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH (L) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR SEE SPECIFIC DIMENSIONS WITH HATCHED DIMENSIONS ARE VARIATIONS. PLEASE CONTACT YOUR CONTRACTOR.
4. COB WATER QUALITY STRUCTURES REPRESENTATIVE: www.cobtech.com
5. CONTRACTOR TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
6. CONTRACTOR TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
7. CONTRACTOR TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
8. CONTRACTOR TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.



STORMWATER MANAGEMENT PRACTICE FILTRATION BIORETENTION (F-5) SPDES NYR ###

PRACTICE MUST BE MAINTAINED IN ACCORDANCE WITH OPERATION & MAINTENANCE PLAN. THIS SIGN MAY NOT BE REMOVED OR ALTERED.

- NOTES:
1. PROVIDE ALUMINUM SIGN WITH WHITE LETTERS AND GREEN BACKGROUND.
2. SPDES NYR ### TO BE PROVIDED UPON RECEIPT OF SPDES PERMIT.

NYSDEC-SMDM SMP SIGN NOT TO SCALE

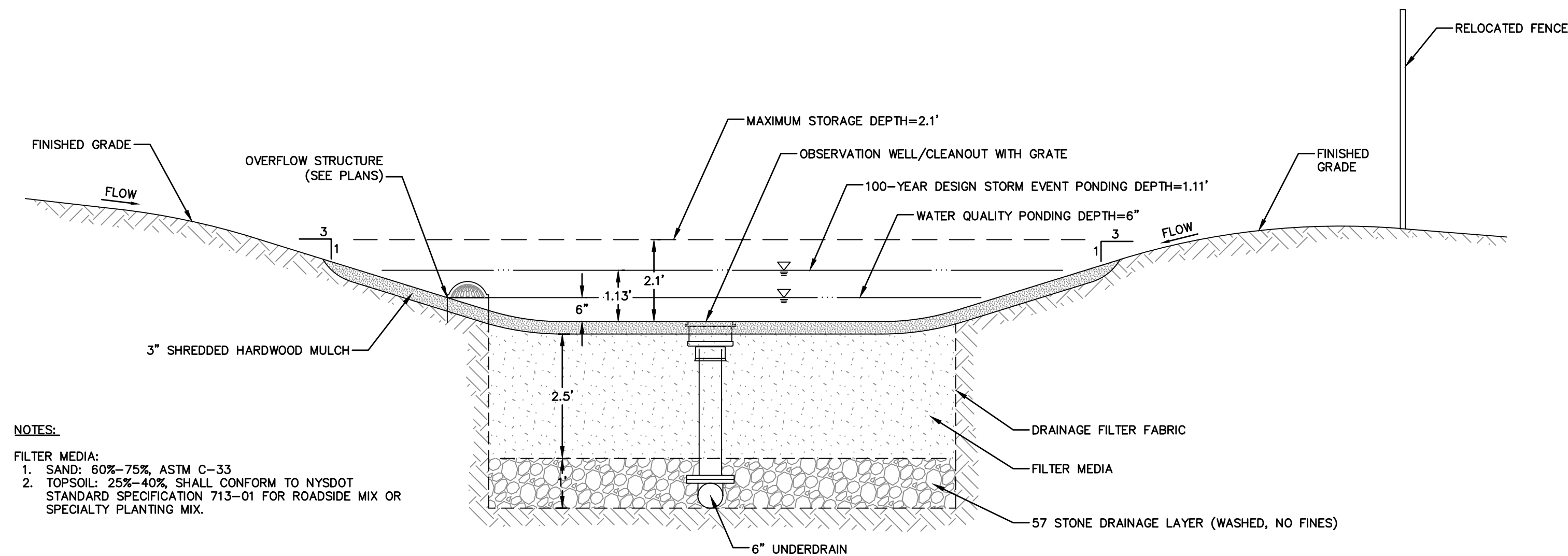
Revision table with columns for No., Description, and Date.

Permit/Seal  
Professional Engineer Seal for Jeffrey M. DiStasio, No. 075766, State of New Jersey.

Client/Project Logo: Pfizer

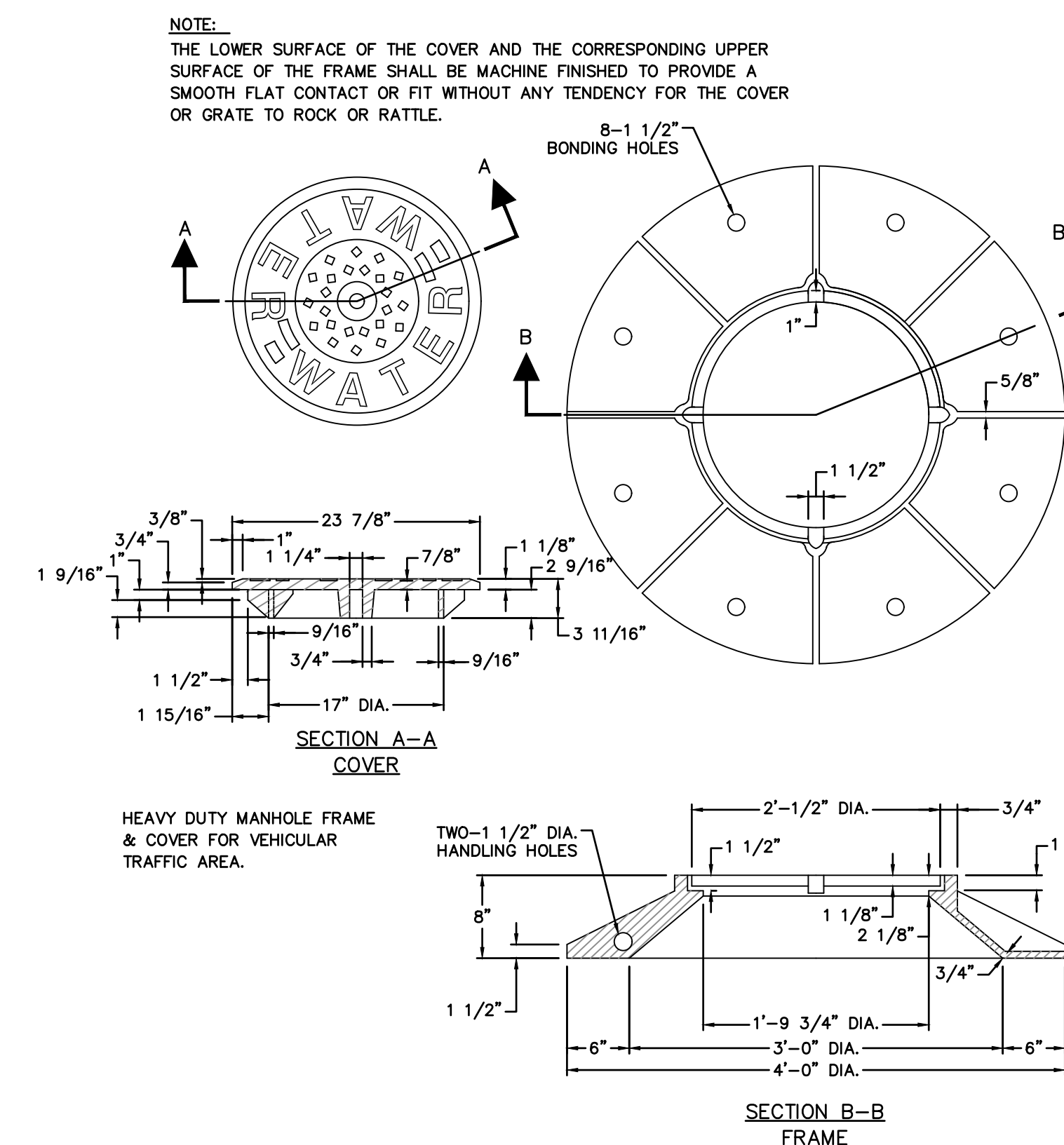
Client/Project: Pfizer Global Research and Development  
Hamilton BIOS #2 Addition  
Pearl River, NY

Title: SITE DETAILS



**NOTES:**  
FILTER MEDIA:  
1. SAND: 60%-75% ASTM C-33  
2. TOPSOIL: 25%-40% SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 713-01 FOR ROADSIDE MIX OR SPECIALTY PLANTING MIX.

**FILTRATION BIORETENTION (NYSDEC-SMDM F-5)**  
NOT TO SCALE



**STORM DRAIN MANHOLE COVER**  
SCALE: NOT TO SCALE

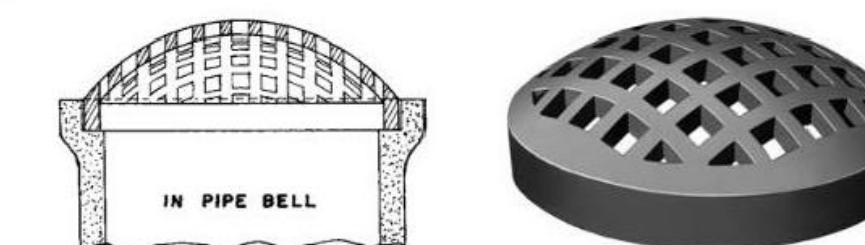
POST - CONSTRUCTION STORM DRAINAGE INSPECTION / MAINTENANCE		
STRUCTURE	FREQUENCY	ACTION
FILTRATION BIORETENTION (NYSDEC-SMDM F-5)	FIRST YEAR - WEEKLY OR AFTER STORM GREATER THEN 0.5" AFTER FIRST YEAR - EVERY 3 MONTHS OR AFTER MAJOR STORM	REMOVE SEDIMENT, BRUSH, DEBRIS, WOODY VEGETATION, NOTE/REPAIR SCOUR AND ANIMAL BURROWS. REMOVE SEDIMENT WITH VAC-ALL TRUCK OR BY HAND WHEN IT REACHES A DEPTH OF 6".
CATCH BASIN & YARD DRAIN SUMPS AND HYDRODYNAMIC SEPARATORS	FIRST YEAR - MONTHLY AFTER FIRST YEAR - EVERY 3 MONTHS	REMOVE SEDIMENT AND DEBRIS WITH VAC-ALL TRUCK.
RIPRAP APRONS	FIRST YEAR - MONTHLY AFTER FIRST YEAR - EVERY 3 MONTHS	INSPECT FOR DAMAGE AND DETERIORATION. PERFORM REPAIRS IMMEDIATELY. REMOVE SEDIMENT USING A VAC-ALL TRUCK OR BY HAND. MECHANICAL REMOVAL IS NOT RECOMMENDED.

**STORMWATER SYSTEM INSPECTION & MAINTENANCE SCHEDULE**  
NOT TO SCALE

**R-4350 Series**  
**Beehive Grate for Sewer Pipe Bell**

**Heavy Duty**

ORANGE GRATE	SO. PERFORATOR	W/ST. LINEAL
LENGTH	WIDTH	WEIGHT
5.000 A	18	18
5.000 B	18	24
5.000 C	18	30
5.000 D	18	36
5.000 E	18	42



Bell and spigot vitrified clay and concrete pipe are made under many specifications and dimensions vary. Check the grate sizes in the table to be sure they will fit the pipe you are using.

**10" BEEHIVE GRATE**  
NOT TO SCALE

NO.	DESCRIPTION	DATE	BY	APP'D
1	PLANNING BOARD RESUBMISSION	2023.04.07	LM	CL
2	ISSUED FOR PERMIT	2023.02.22	LM	CL
	Issued/Revision		By	Appd
				YYYY.MM.DD
	File Name: DET01.dwg	ID	LM	ID
		Drawn	Diagn	Chkd
				YYYY.MM.DD

Permit/Seal



Client/Project Logo



Client/Project  
Pfizer Global Research and Development

Hamilton BIOS #2 Addition

Pearl River, NY

Title  
SITE DETAILS

Project No.  
20111246.S4N  
Revision

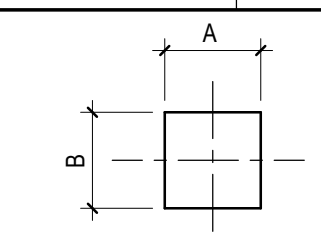
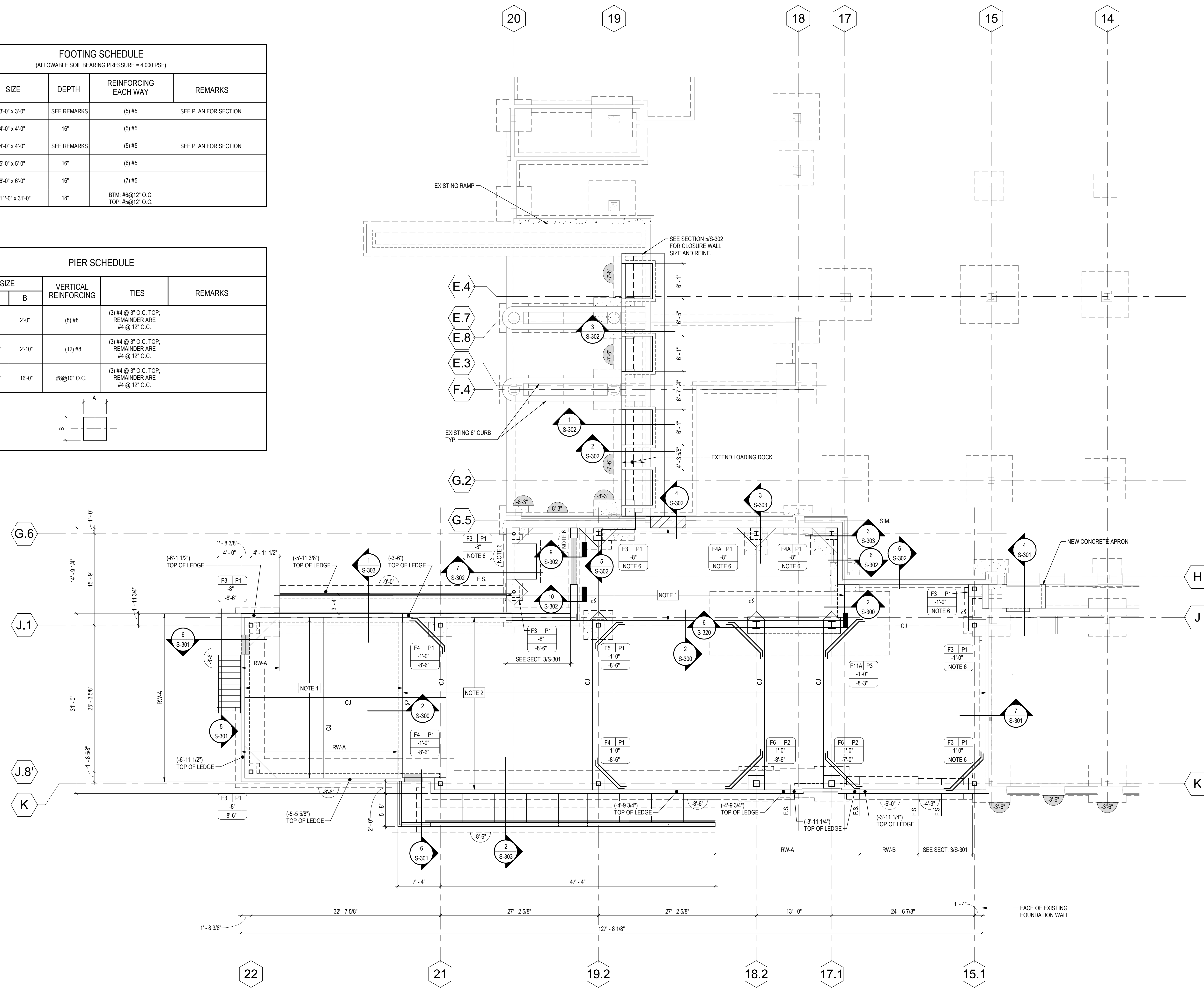
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**CD-505**



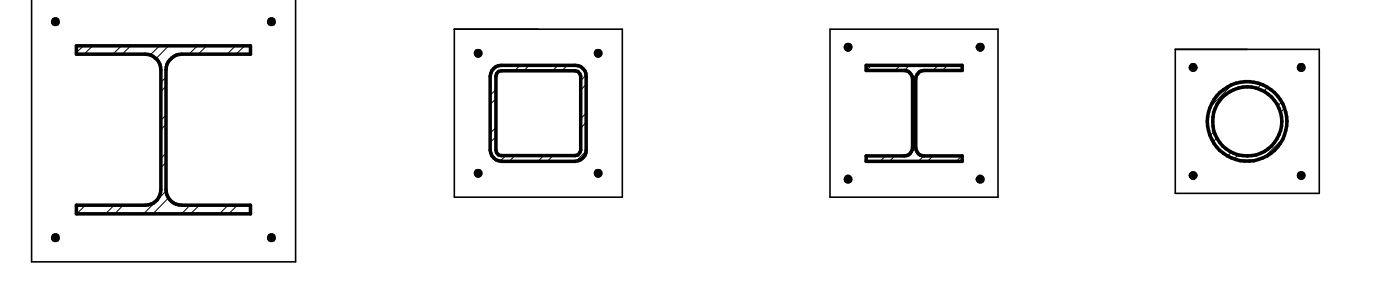


FOOTING SCHEDULE (ALLOWABLE SOIL BEARING PRESSURE = 4,000 PSF)				
MARK	SIZE	DEPTH	REINFORCING EACH WAY	REMARKS
F3	3'-0" x 3'-0"	SEE REMARKS	(5) #5	SEE PLAN FOR SECTION
F4	4'-0" x 4'-0"	16"	(5) #5	
F4A	4'-0" x 4'-0"	SEE REMARKS	(5) #5	SEE PLAN FOR SECTION
F5	5'-0" x 5'-0"	16"	(6) #5	
F6	6'-0" x 6'-0"	16"	(7) #5	
F11A	11'-0" x 31'-0"	18"	BTM: #6@12" O.C. TOP: #5@12" O.C.	

PIER SCHEDULE					
MARK	SIZE		VERTICAL REINFORCING	TIES	REMARKS
	A	B			
P1	2'-0"	2'-0"	(8) #8	(3) #4 @ 3' O.C. TOP. REMAINDER ARE #4 @ 12" O.C.	
P2	2'-10"	2'-10"	(12) #8	(3) #4 @ 3' O.C. TOP. REMAINDER ARE #4 @ 12" O.C.	
P3	2'-10"	16'-0"	#8@10" O.C.	(3) #4 @ 3' O.C. TOP. REMAINDER ARE #4 @ 12" O.C.	

BASE PLATE AND ANCHOR BOLT SCHEDULE				
COLUMN LOCATION	BASE PLATE	ANCHOR BOLTS	NOTES	PIER LABEL
J.8-22, K.19-2, K.21, G.6-17.1, G.6-18.2	1'x14'x14"	(4) 3/4" DIA. W/ 14" EMBED. INTO CONCRETE	4" PROJ.	P1
K.17.1, K.18.2	1 1/4"x18"x18"	(4) 1" DIA. W/ 14" EMBED. INTO CONCRETE	4" PROJ.	P2
J.1-19.2	1 1/8"x14'x14"	(4) 3/4" DIA. W/ 14" EMBED. INTO CONCRETE	4" PROJ.	P1
J.1-17.1, J.1-18.2	1 1/4"x22'x22"	(6) 1" DIA. W/ 18" EMBED. INTO CONCRETE	4" PROJ.	P3
J.1-15.1, J.1-21.2, J.1-22, J.6-15.1, K.15.1, G.6-19.2	3/4x14'x14"	(4) 3/4" DIA. W/ 12" EMBED. INTO CONCRETE	4" PROJ.	P1
J.5-20, G.6-20	3/4x12'x12"	(4) 3/4" DIA. W/ 12" EMBED. INTO CONCRETE	4" PROJ.	P1



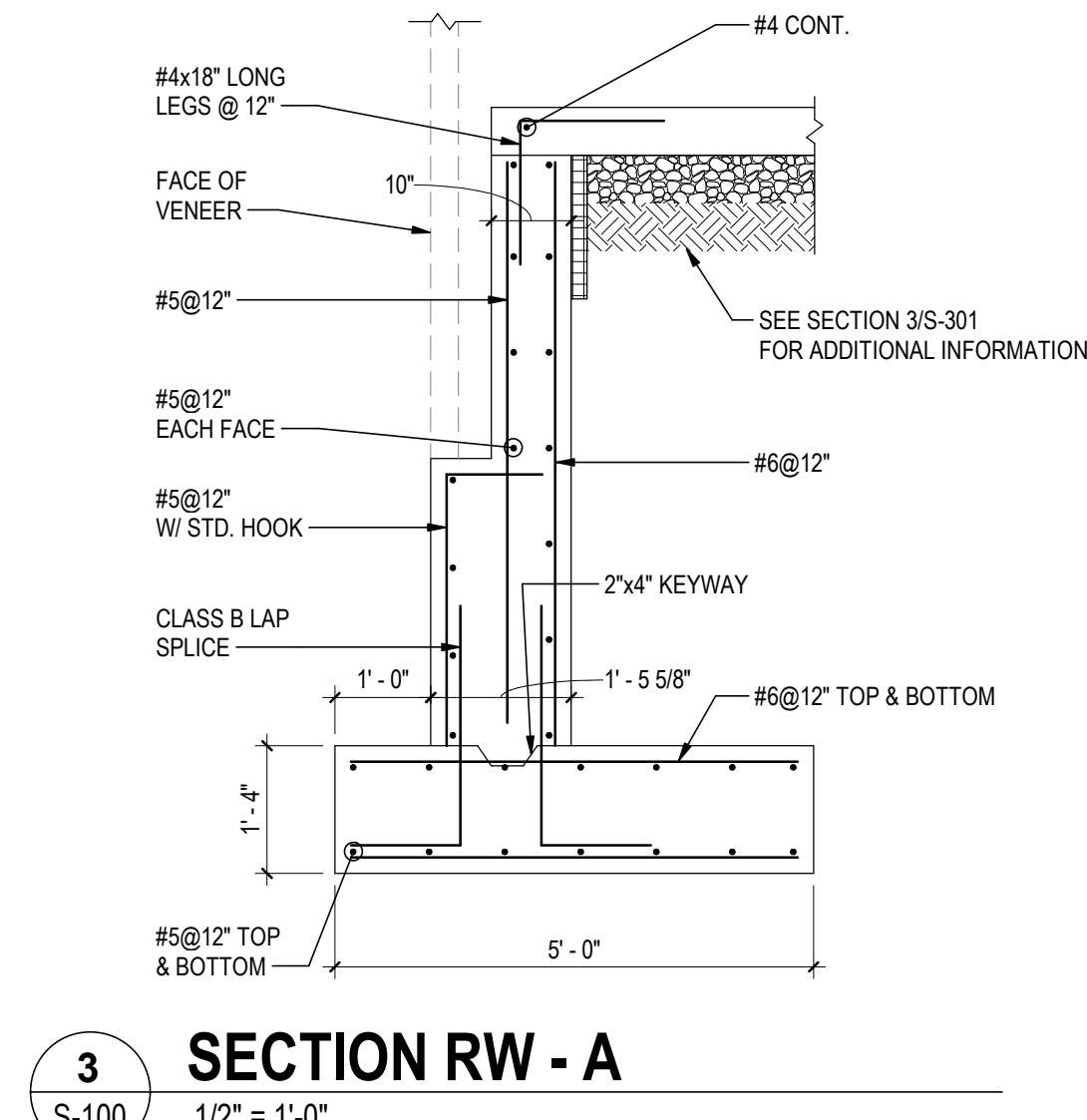
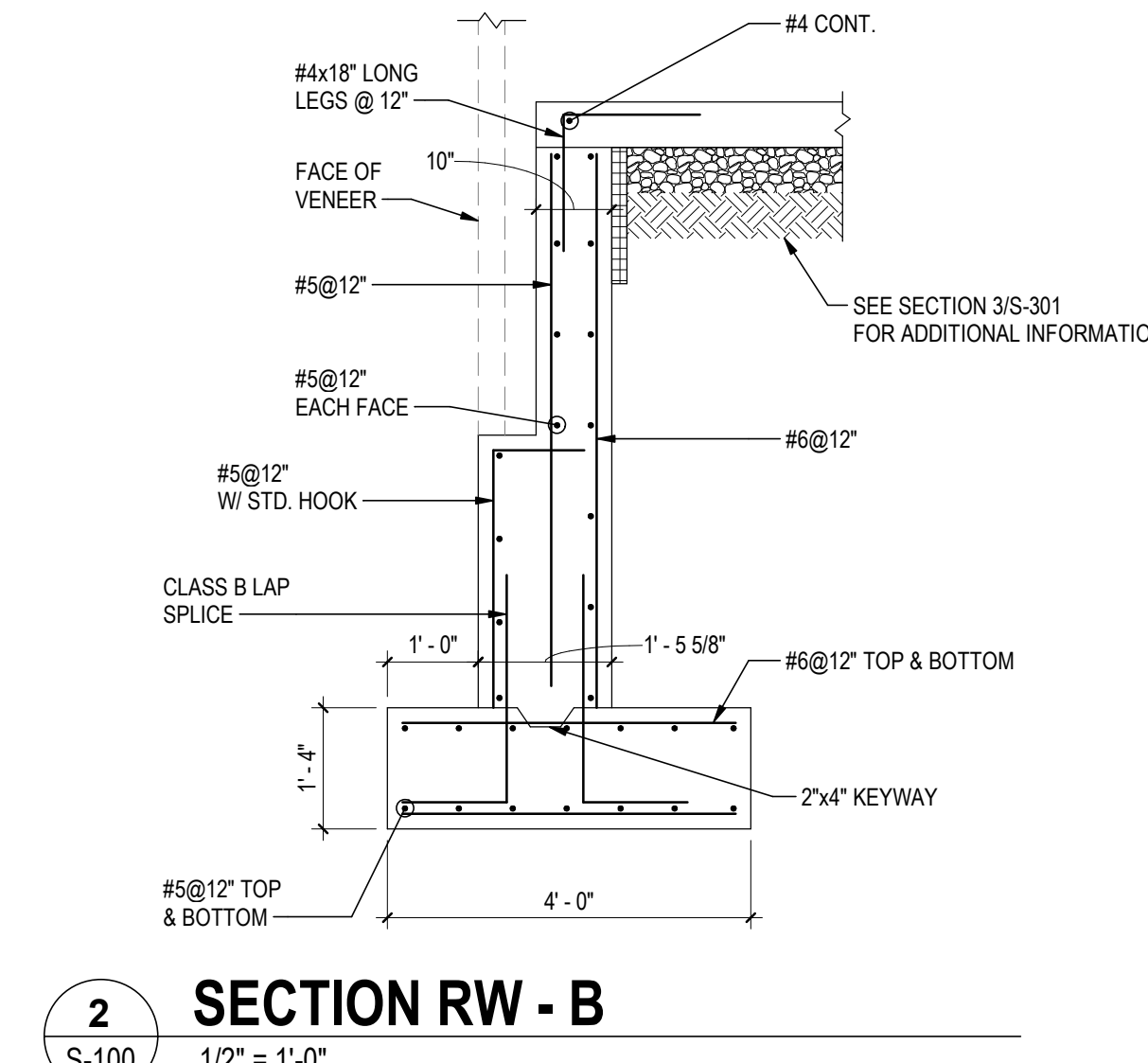
**1 FOUNDATION/ SLAB PLAN**  
1/8" = 1'-0"

**FOUNDATION PLAN NOTES:**

- FLOOR SLAB TO BE 6" NORMAL WEIGHT CONCRETE SLAB-ON-GRADE REINFORCED WITH 6#6-W2.8xW2.3 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.

FOOTING MARK: FX, PX, B.O. FTG. ELEV. -X-X-  
PIER MARK: P1, P2, T.O. PIER ELEV. -X-X-

9. INDICATES REMOVAL OF BRICK AND WALL. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



Rev	Description	By	App'd	Date
2	PLANNING BOARD RESUBMISSION	AMS	DM	2023.06.07
1	FOR OWNERS REVIEW	AMS	DM	2023.04.05
0	ISSUED FOR PERMIT	AMS	LG	2023.02.22
	Issued/Revision		App'd	YYYY.MM.DD

File Name: N/A  
Author: Dwn  
Designer: Dgn  
Checker: Cht  
02/01/23  
YYYY.MM.DD



Client/Project Logo

Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

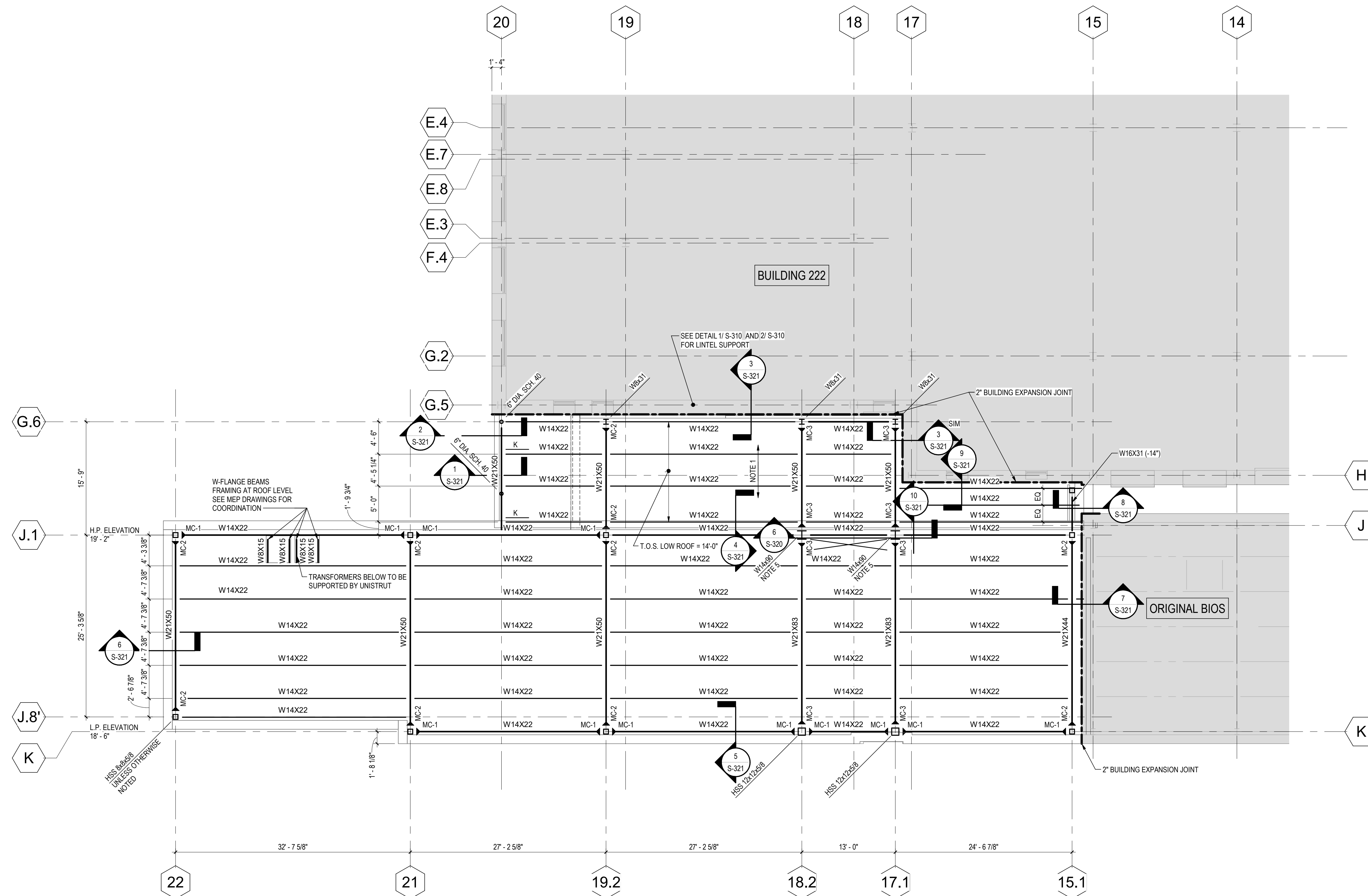
Title  
FOUNDATION PLAN

Project No.  
191501254

Scale  
As indicated

Revision  
2

Drawing No.  
**S-100**



**1** ROOF FRAMING PLAN

1/8" = 1'-0"

**ROOF FRAMING NOTES:**

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

Issued/Revision	By	App'd	YYYYMMDD
2 PLANNING BOARD SUBMISSION	AMS	DM	2023.06.07
1 FOR OWNERS REVIEW	AMS	DM	2023.04.05
0 ISSUED FOR PERMIT	AMS	LG	2023.02.22
Issued/Revision	By	App'd	YYYYMMDD

File Name: N/A	Author: Dwn	Designer: Dgn	Checker: Cks	02/01/23
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Client/Project Logo



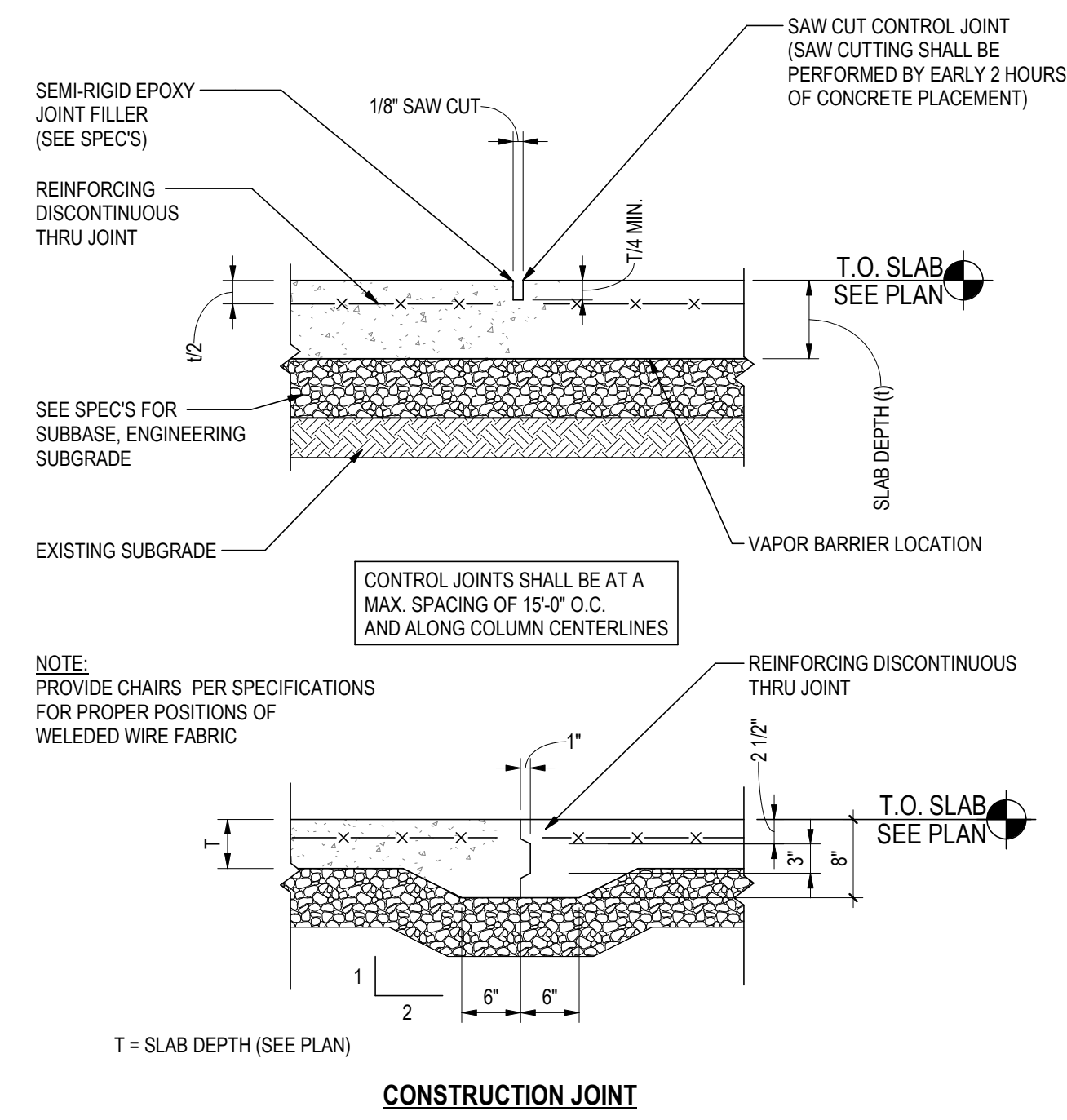
Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition  
Pearl River, NY

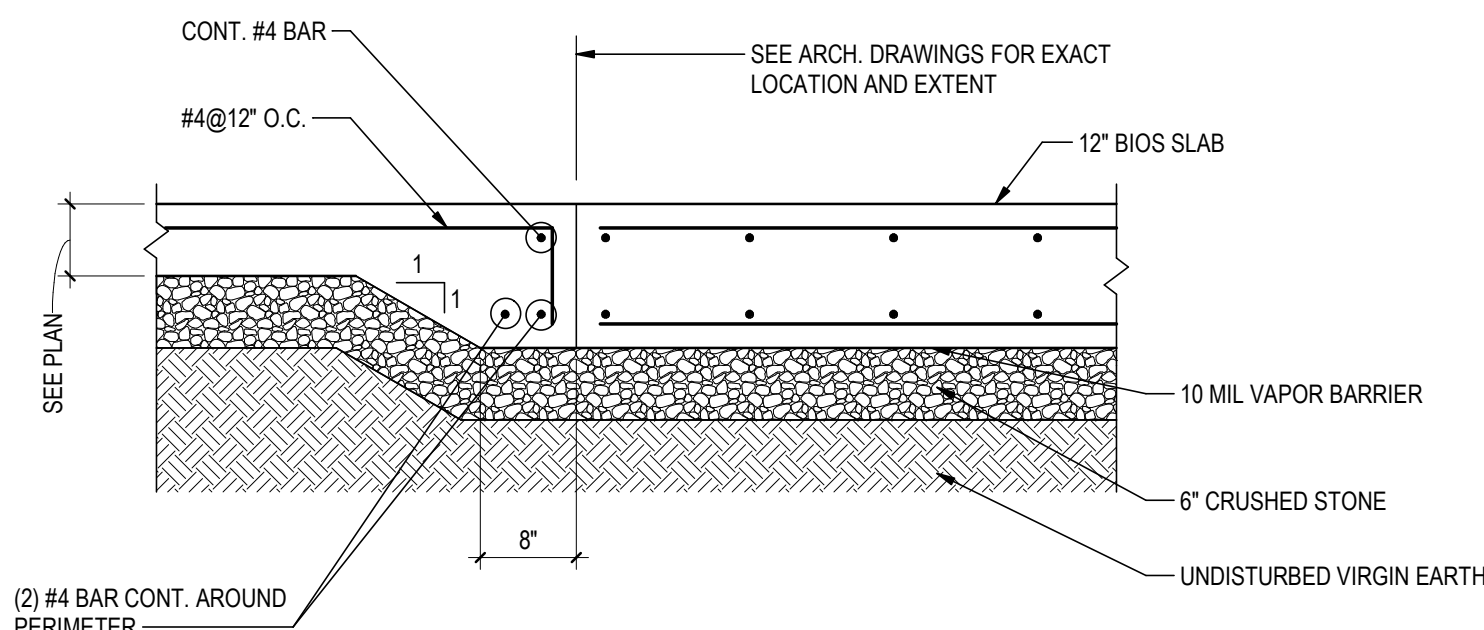
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ROOF FRAMING PLAN

Project No.	Scale
191501254	1/8" = 1'-0"
Revision	Drawing No.
2	S-200

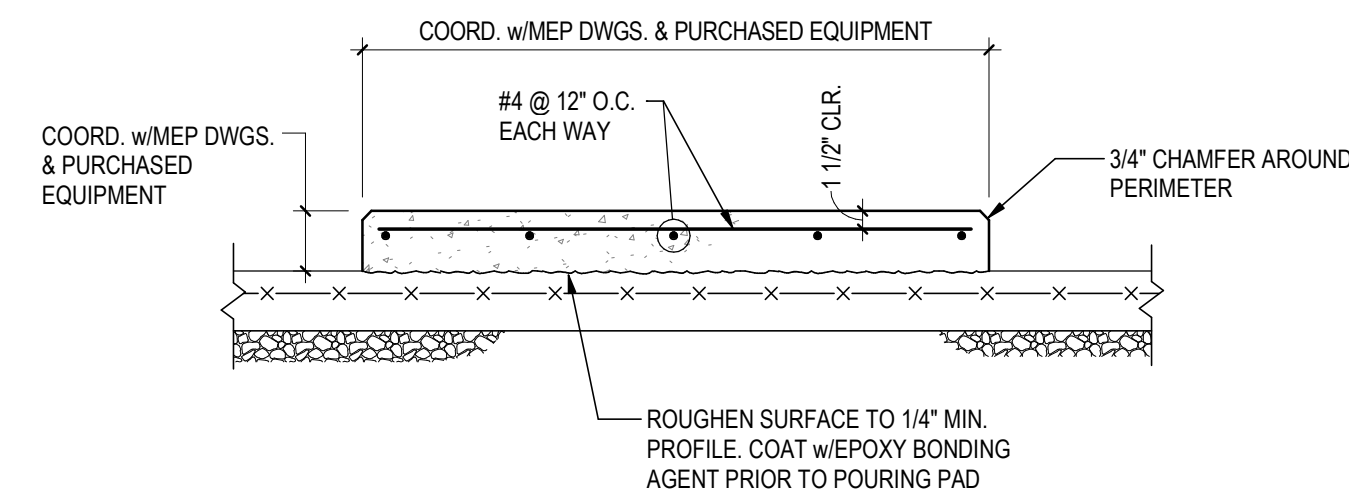




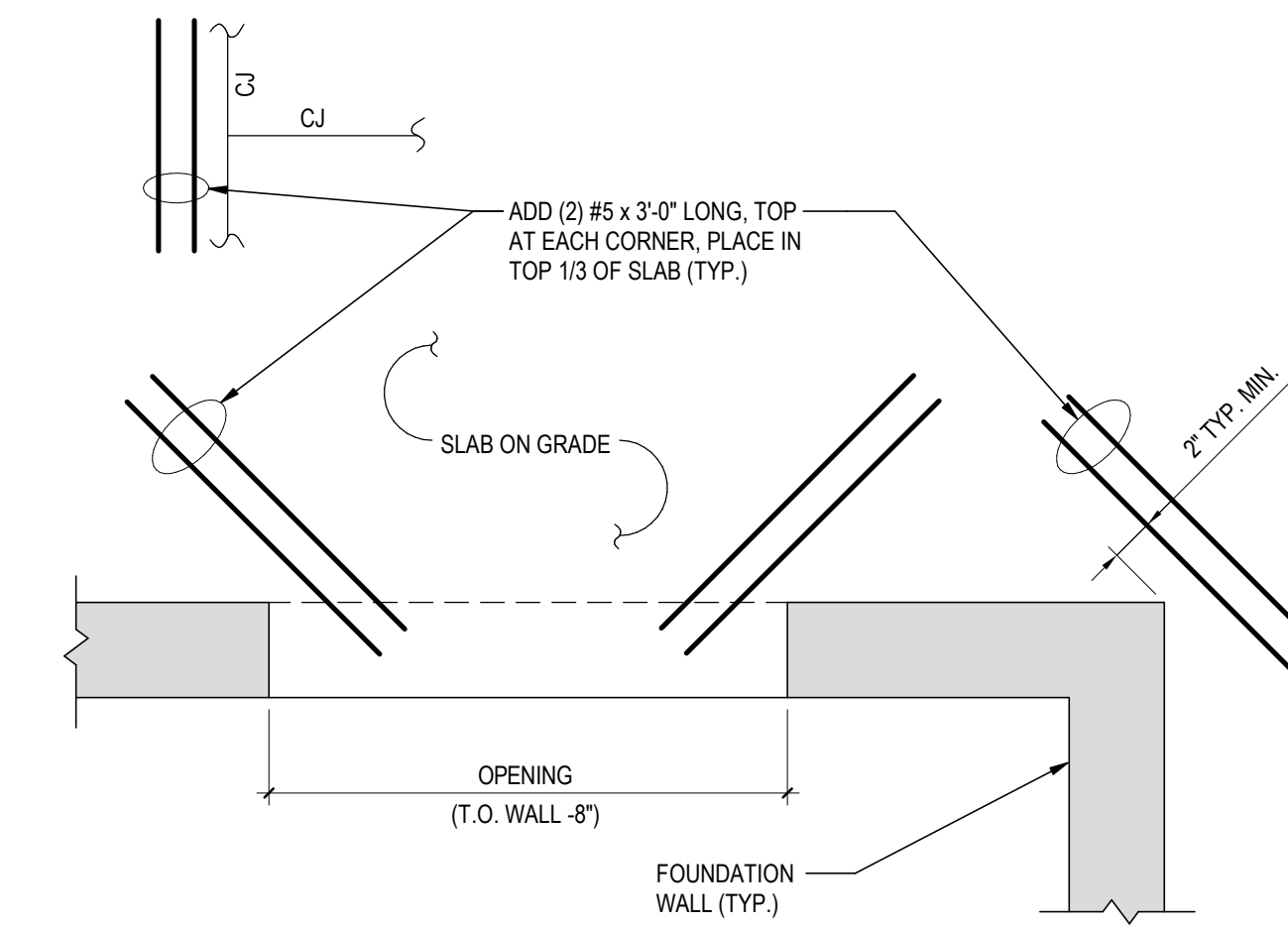
**1 TYPICAL SLAB ON GRADE CONTROL/CONSTRUCTION JOINT DETAIL**  
S-300 N.T.S.



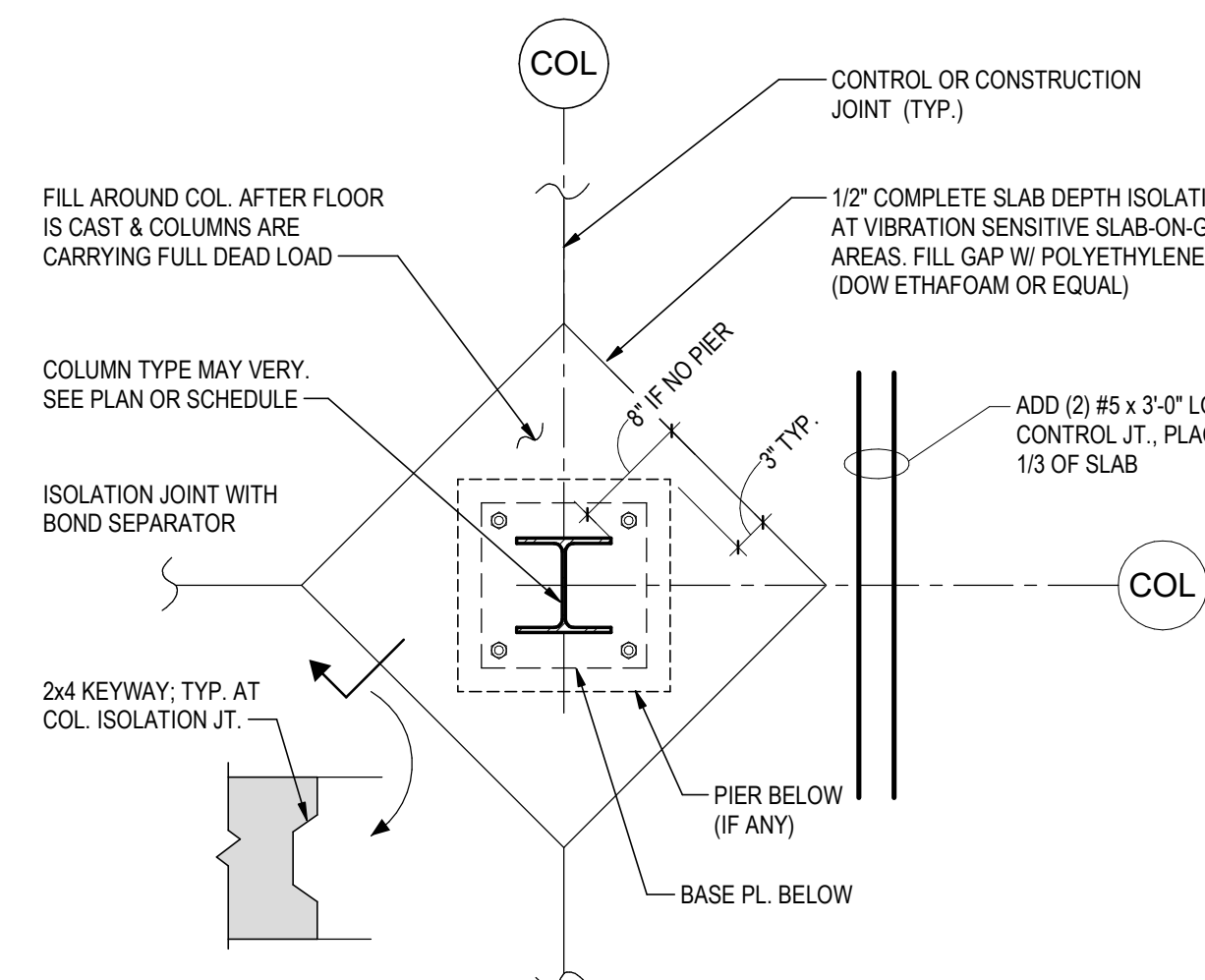
**2 TYPICAL SLAB TRANSITION DETAIL**  
S-300 3/4\"/>



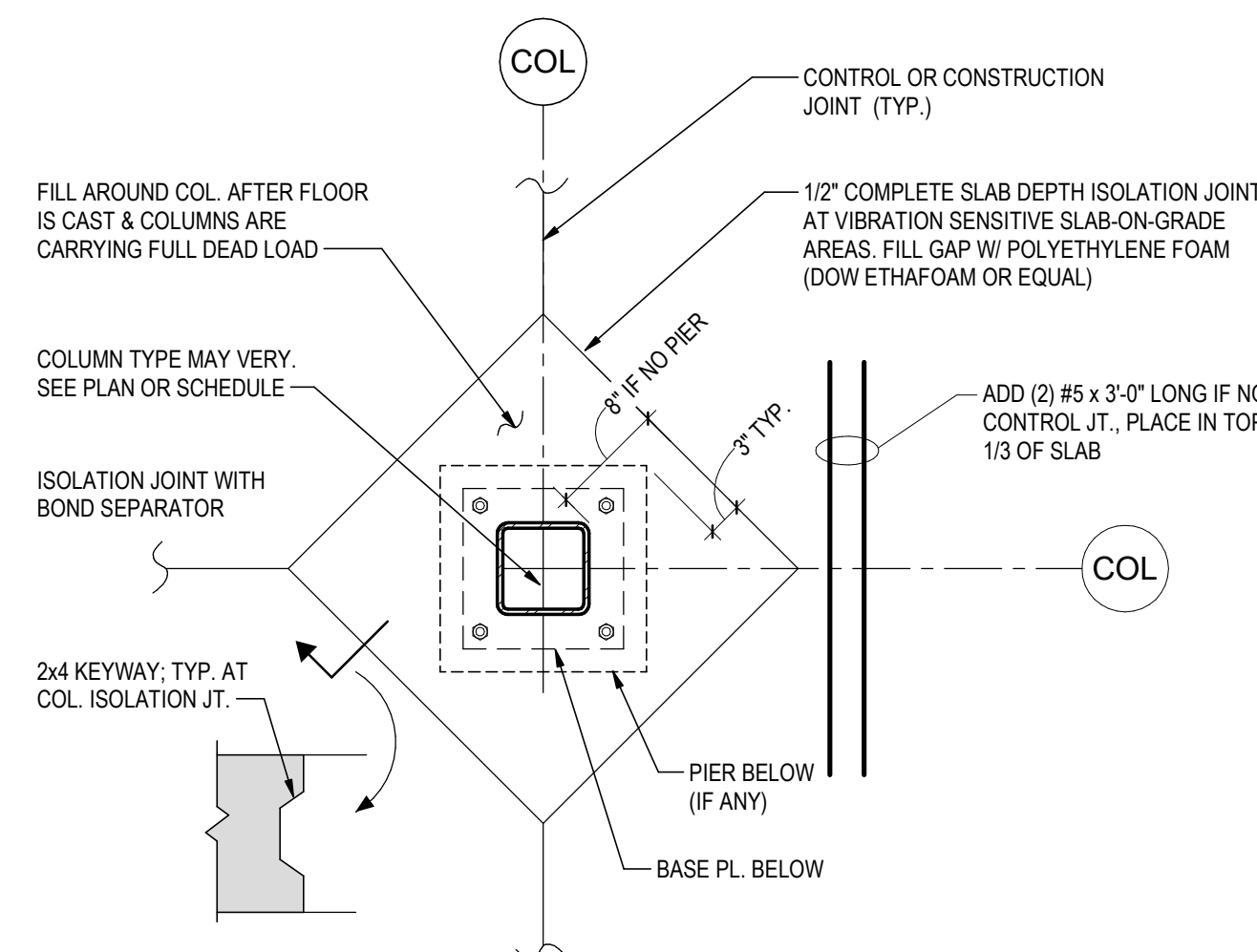
**3 TYPICAL HOUSEKEEPING PAD DETAIL**  
S-300 N.T.S.



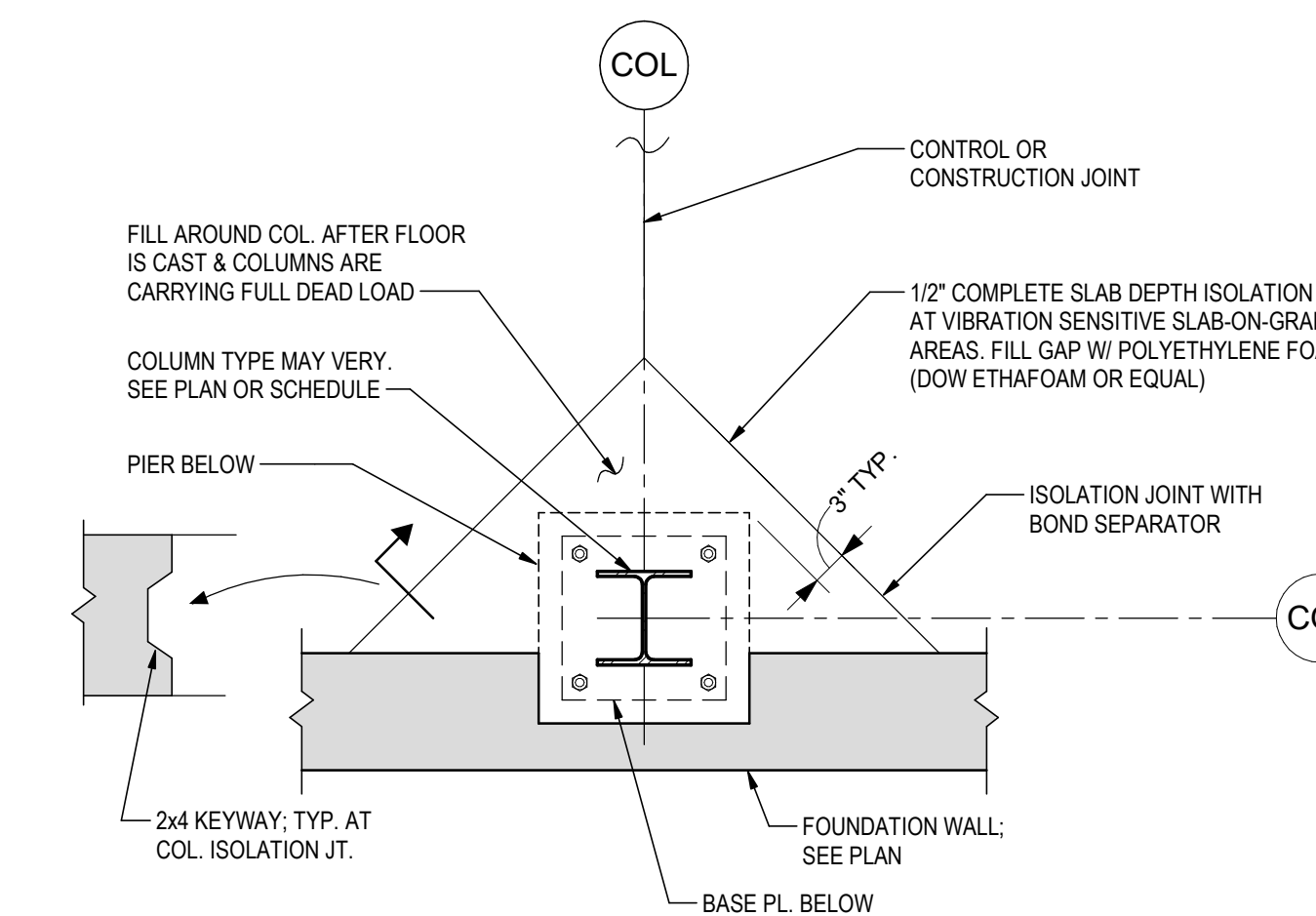
**4 TYPICAL SLAB ON GRADE RE-ENTRANT CORNER DETAIL**  
S-300 N.T.S.



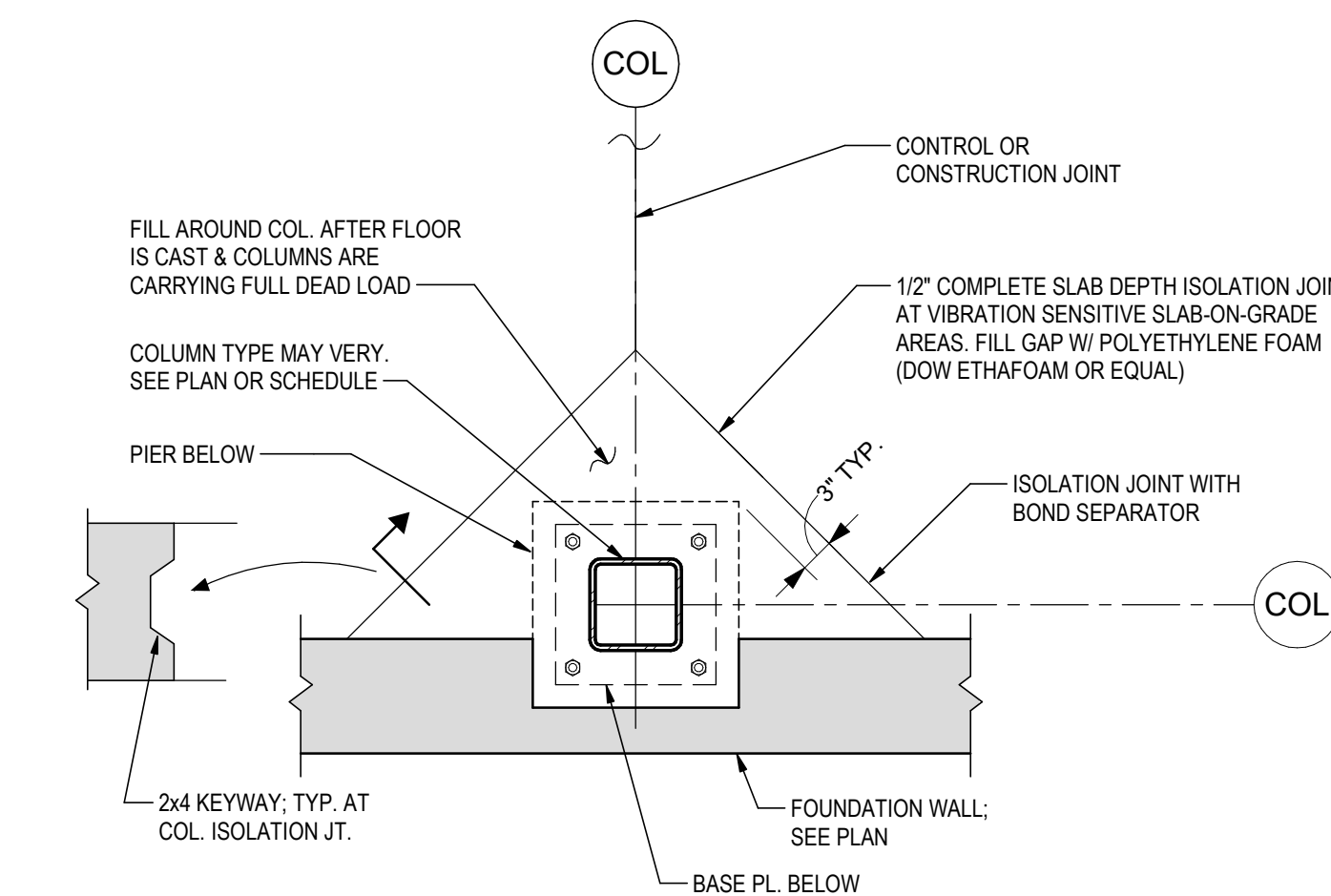
**5 TYPICAL COLUMN ISOLATION JOINT 6\"/>**



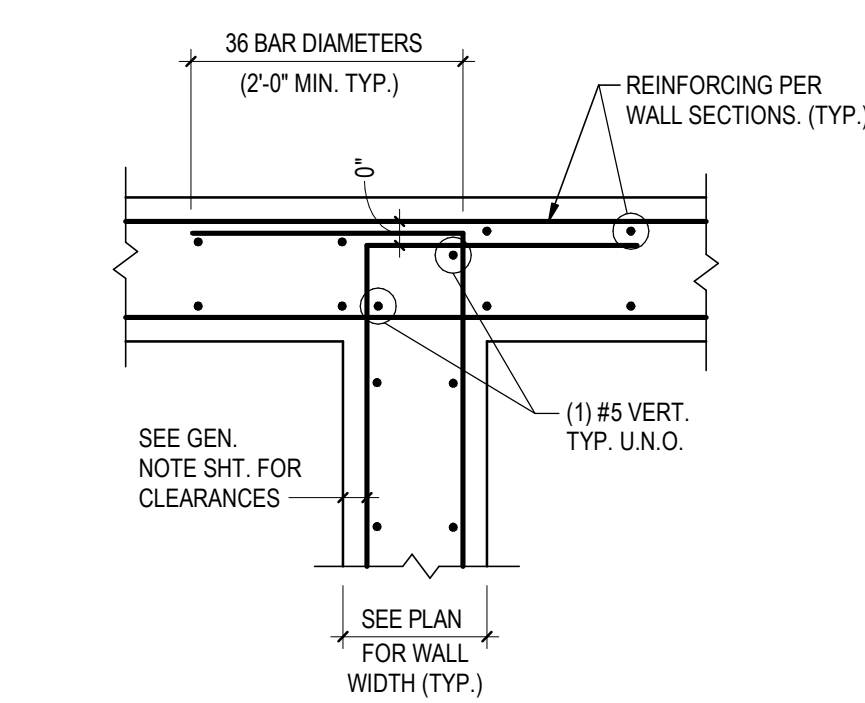
**6 TYPICAL COLUMN ISOLATION JOINT AT WALL 6\"/>**



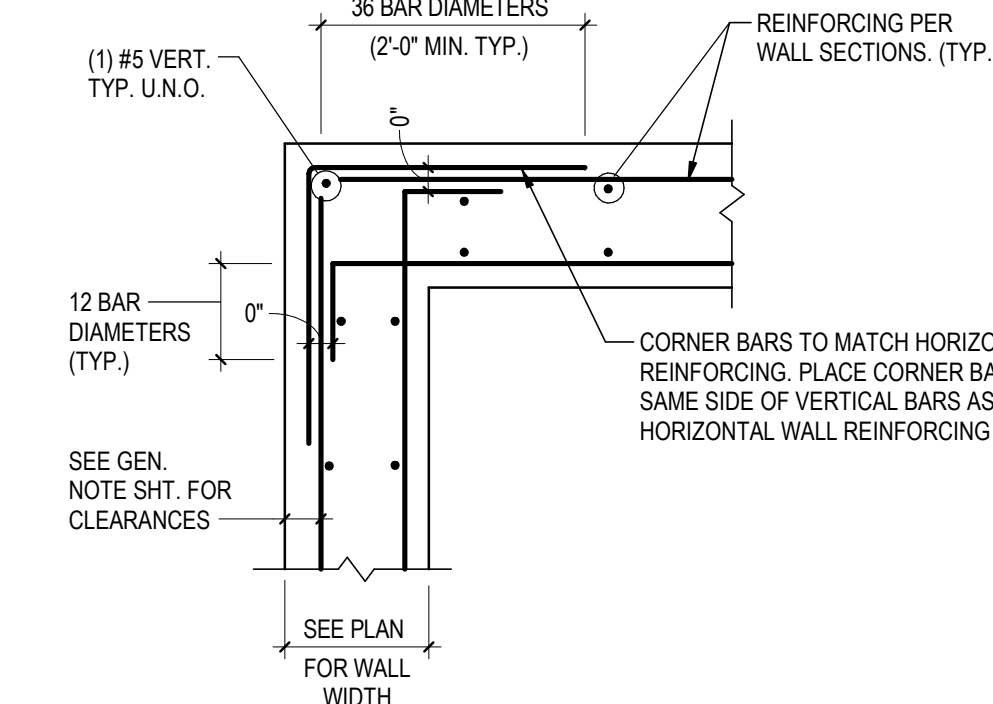
**7 TYPICAL COLUMN ISOLATION JOINT AT WALL 6\"/>**



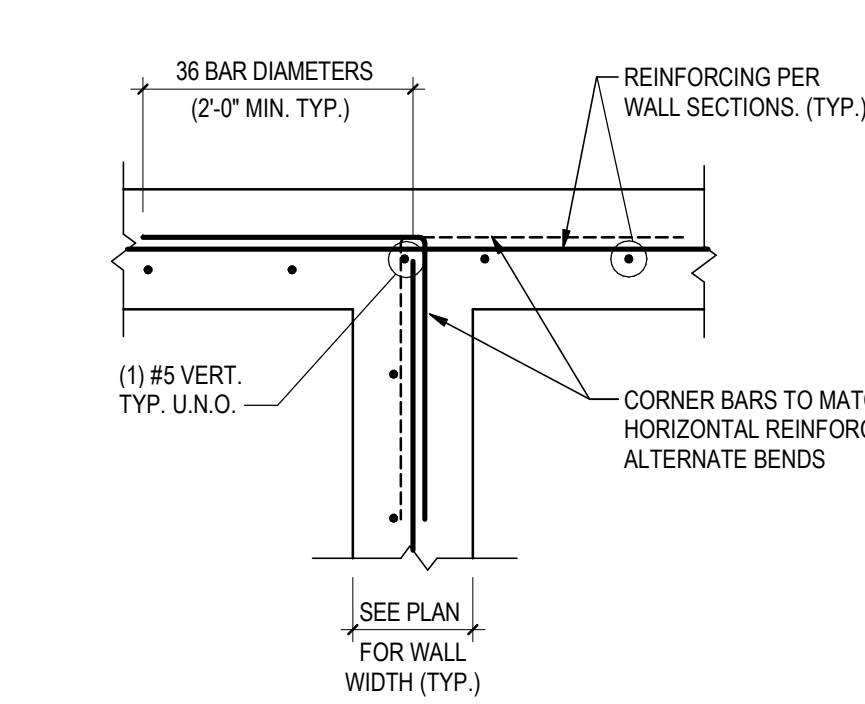
**8 TYPICAL COLUMN ISOLATION JOINT AT WALL 6\"/>**



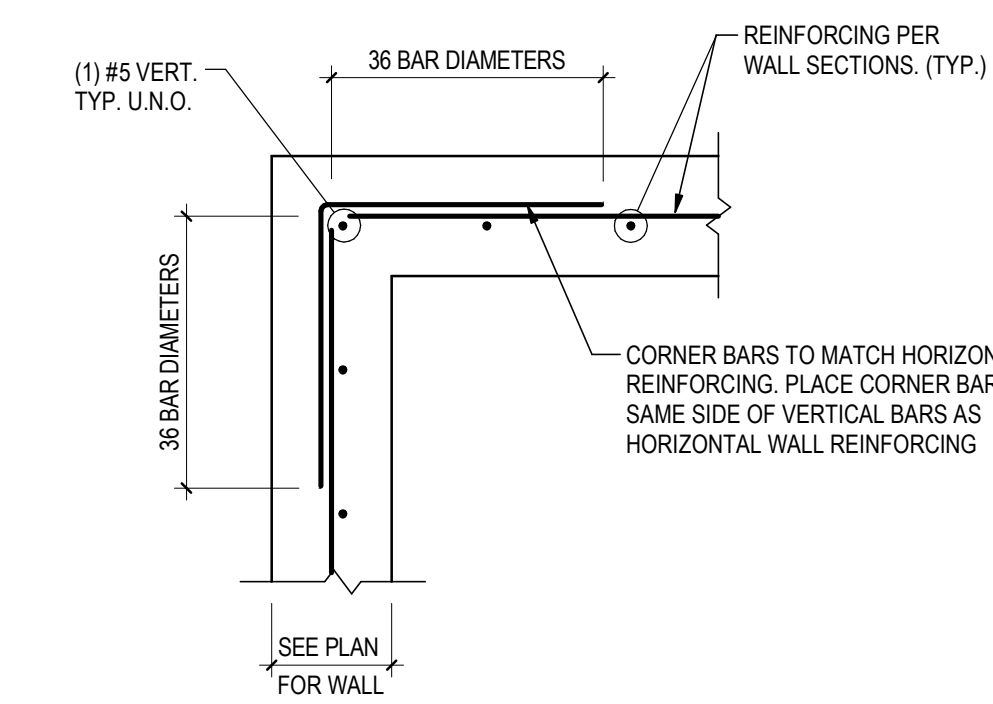
**7 TYPICAL CONCRETE WALL INTERSECTION DETAIL**  
S-300 N.T.S.



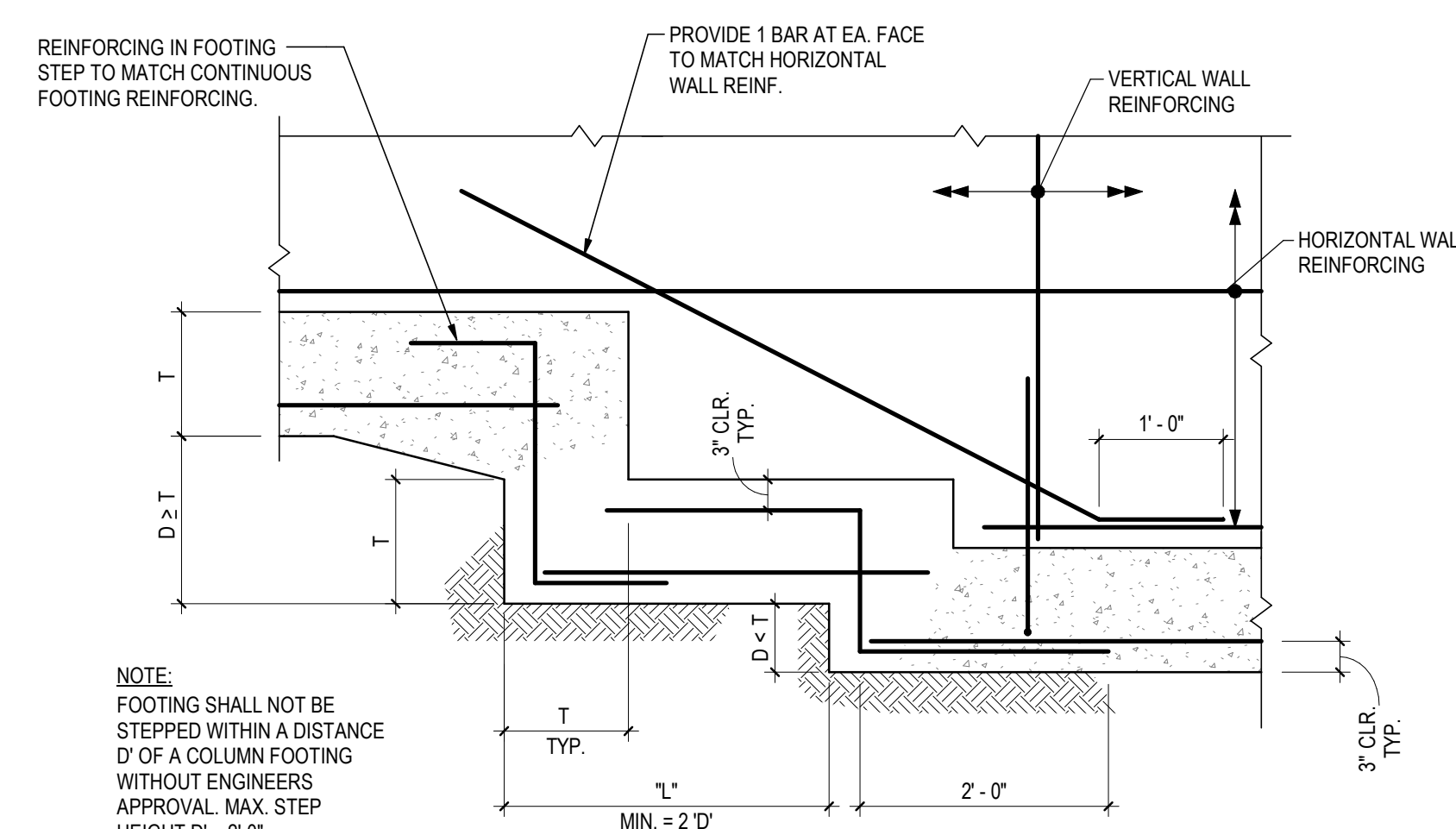
**8 TYPICAL CONCRETE WALL CORNER DETAIL**  
S-300 3/4\"/>



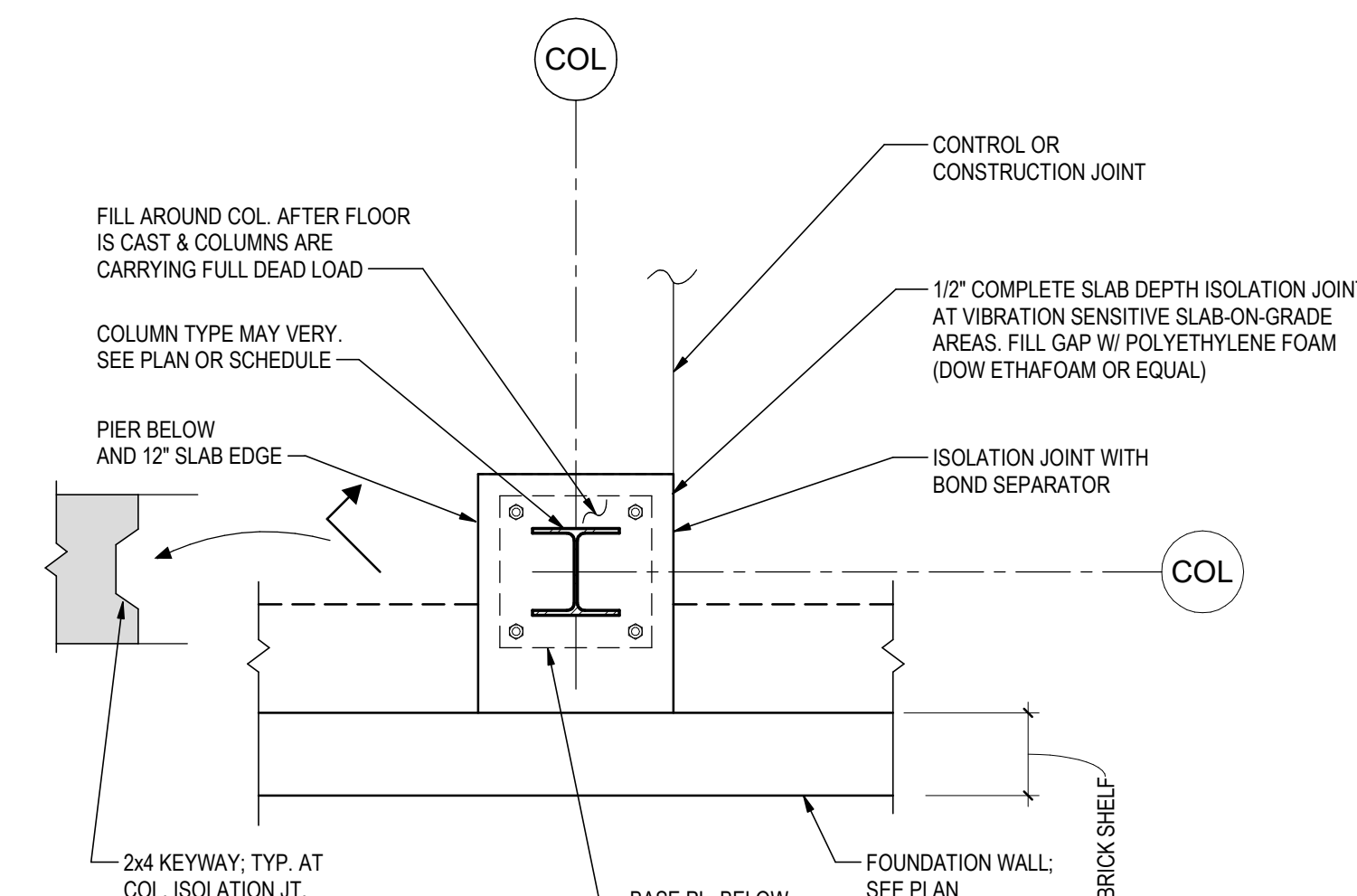
**9 TYPICAL CONCRETE WALL INTERSECTION DETAIL**  
S-300 3/4\"/>



**10 TYPICAL CONCRETE WALL CORNER DETAIL**  
S-300 3/4\"/>



**11 TYPICAL STEP FOOTING DETAIL**  
S-300 3/4\"/>



**12 TYPICAL COLUMN ISOLATION JOINT AT WALL 12\"/>**

Rev	Description	Author	Design	Check	Date
1	FOR OWNERS REVIEW	MJS	DM		2023.06.07
0	ISSUED FOR PERMIT	MJS	DM		2023.06.05
	Issued/Revision	By	App'd		YYYY.MM.DD

Permit/Seal

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Client/Project  
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Hamilton BiOS #2 Addition

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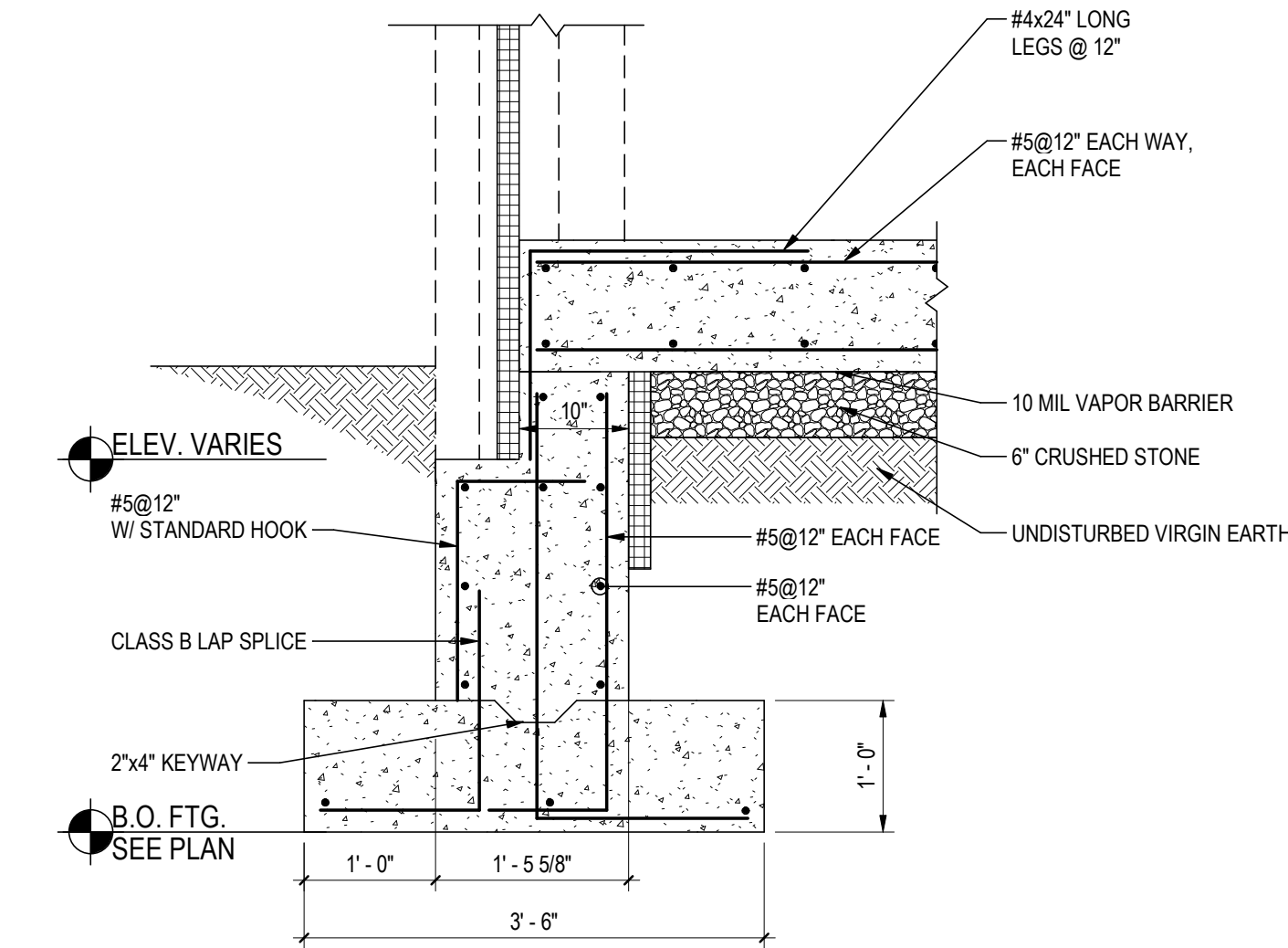
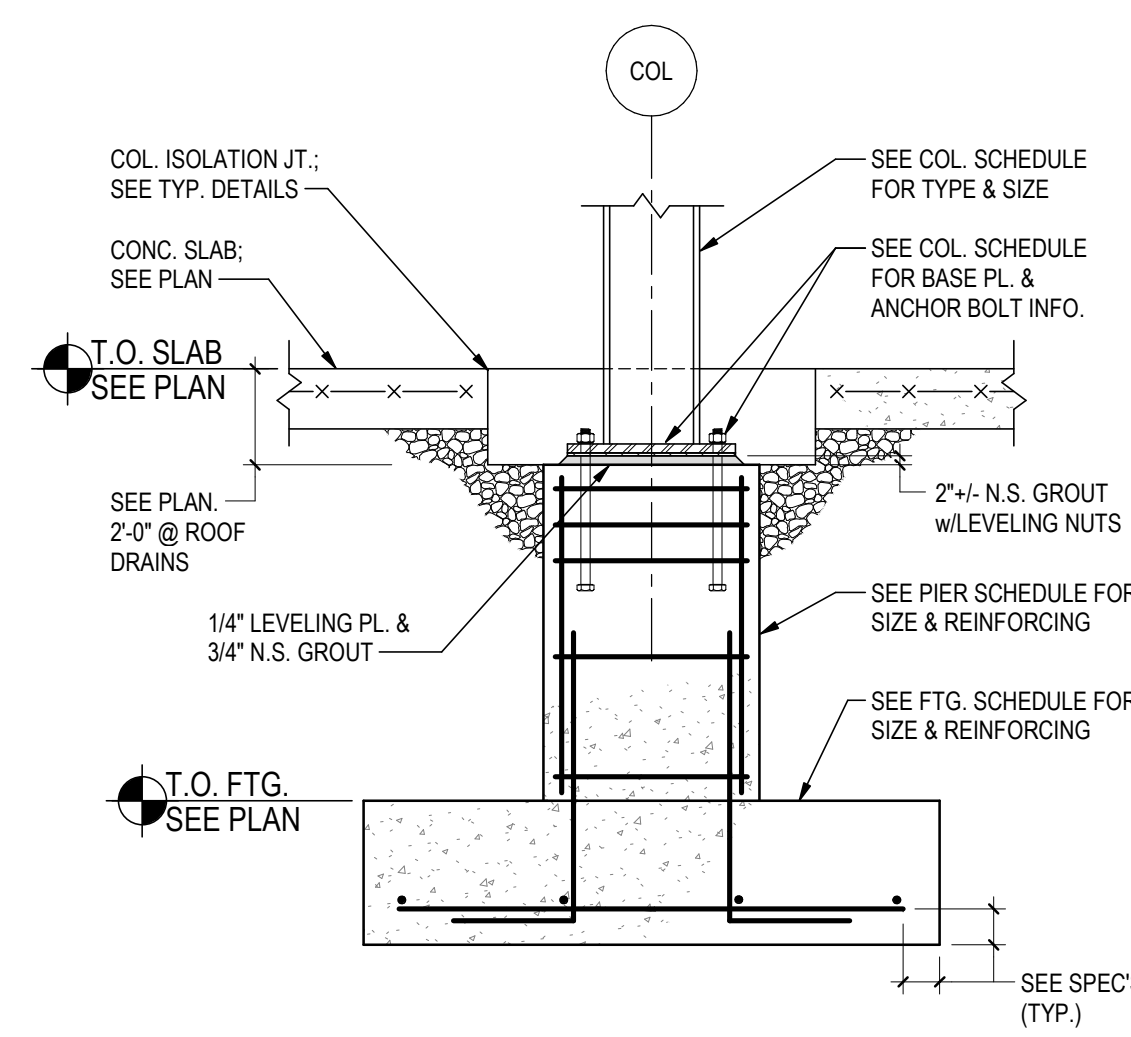
Title  
TYPICAL CONCRETE DETAILS

Project No. 191501254 Scale 3/4\"/>

Revision Drawing No. **S-300**

LOOSE LINTEL SCHEDULE					
(NON-LOADBEARING MASONRY PARTITION WALLS ONLY)					
MAX. MASONRY OPENING	MASONRY WALL THICKNESS				
	4 INCH WALLS	8 INCH WALLS	8 INCH WALLS	10 INCH WALLS	12 INCH WALLS
5'-0"	(1) L5x3 1/2x5/16	(1) WTSX11	(2) L6x3 1/2x5/16	L5x5x1/4 + L4x3 1/2x1/4	(3) L5x3 1/2x5/16
6'-0"	(1) L6x3 1/2x3/8	(1) WTSX11	(2) L6x3 1/2x5/16	L5x5x1/4 + L4x3 1/2x1/4	WBX21 W/ 1/4"x11" PL.
7'-0"	(1) L6x3 1/2x3/8	(1) WTSX11	(2) L6x3 1/2x3/8	WBX21 W/ 1/4"x9" PL.	WBX21 W/ 1/4"x11" PL.

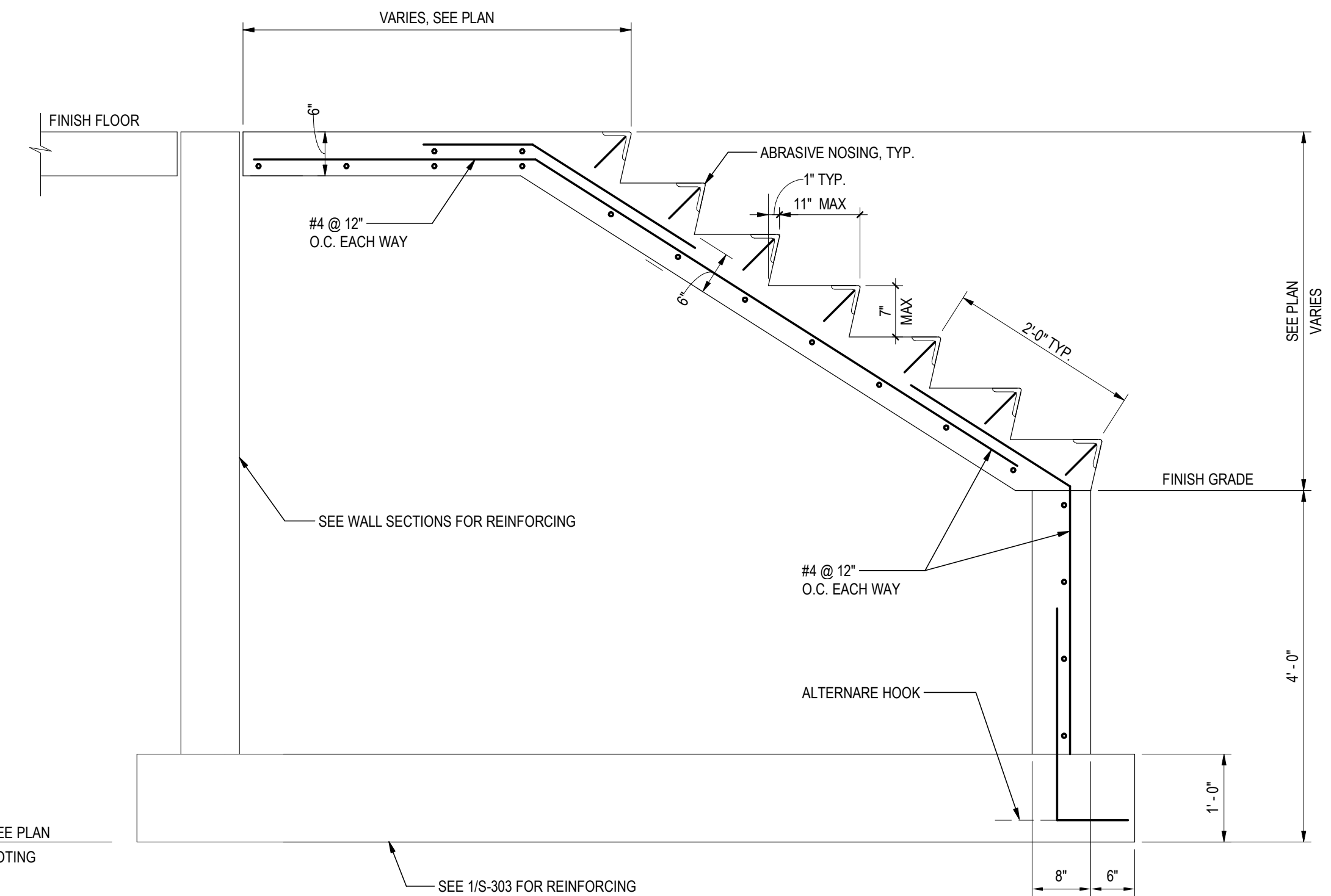
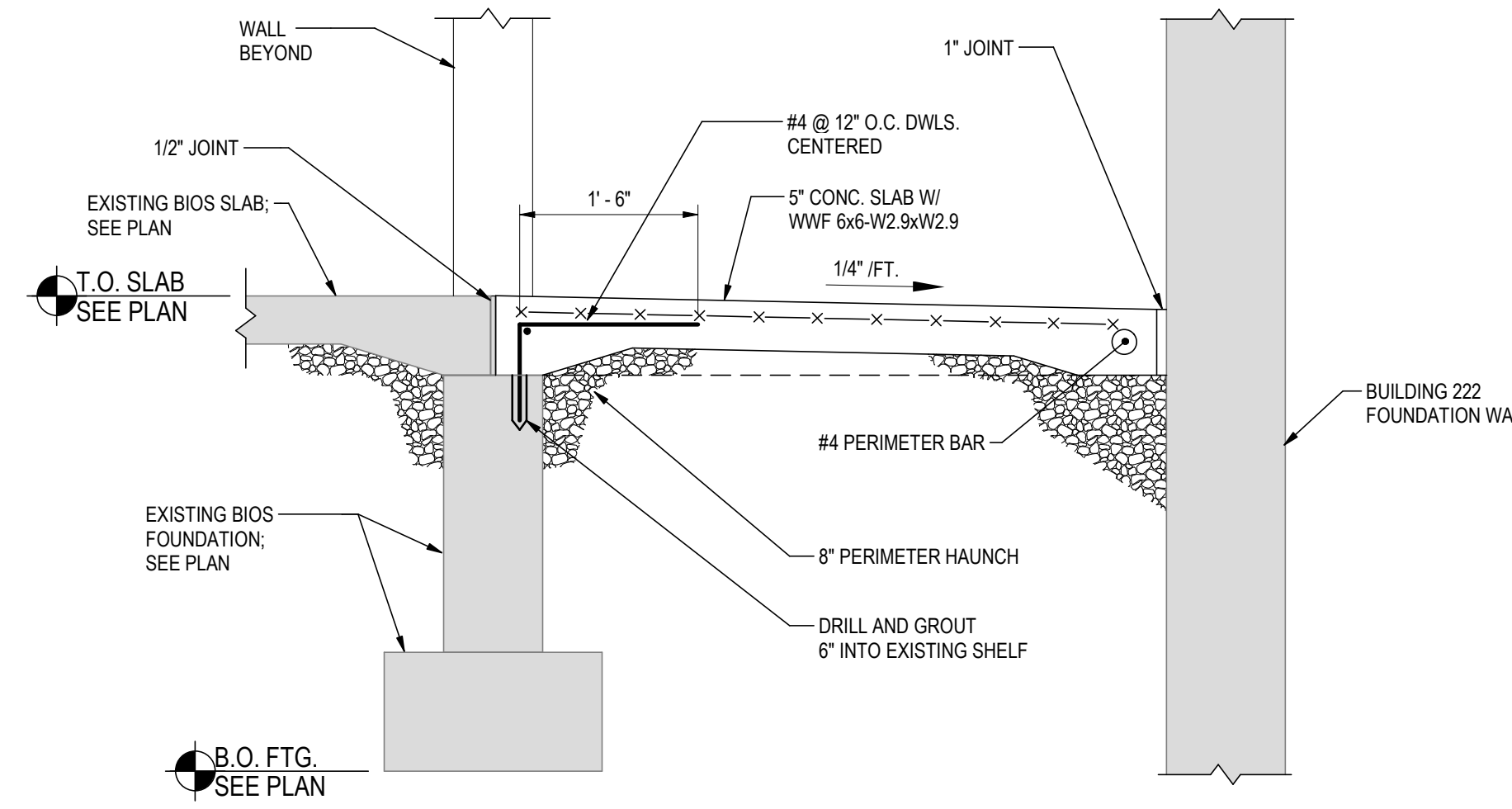
NOTES:  
1. NOTES USED UNDER STEEL LINTEL SCHEDULE SHALL APPLY TO THE LOOSE LINTEL SCHEDULE.  
2. LINTELS SHALL EXTEND 8" BEYOND EACH SIDE OF THE OPENING AND LINTEL ANGLES SHALL HAVE THE LONG LEG VERTICAL.  
3. FOR EXTERIOR BRICK VENEER, PROVIDE BENT PL. 5/16"x6 1/2"x6 1/2". REFER TO ARCHITECTURAL DETAILS FOR PLACEMENT.  
4. ALL EXTERIOR LINTELS SHALL BE GALVANIZED.



1 LOOSE LINTEL SCHEDULE  
S-301 3/4" = 1'-0"

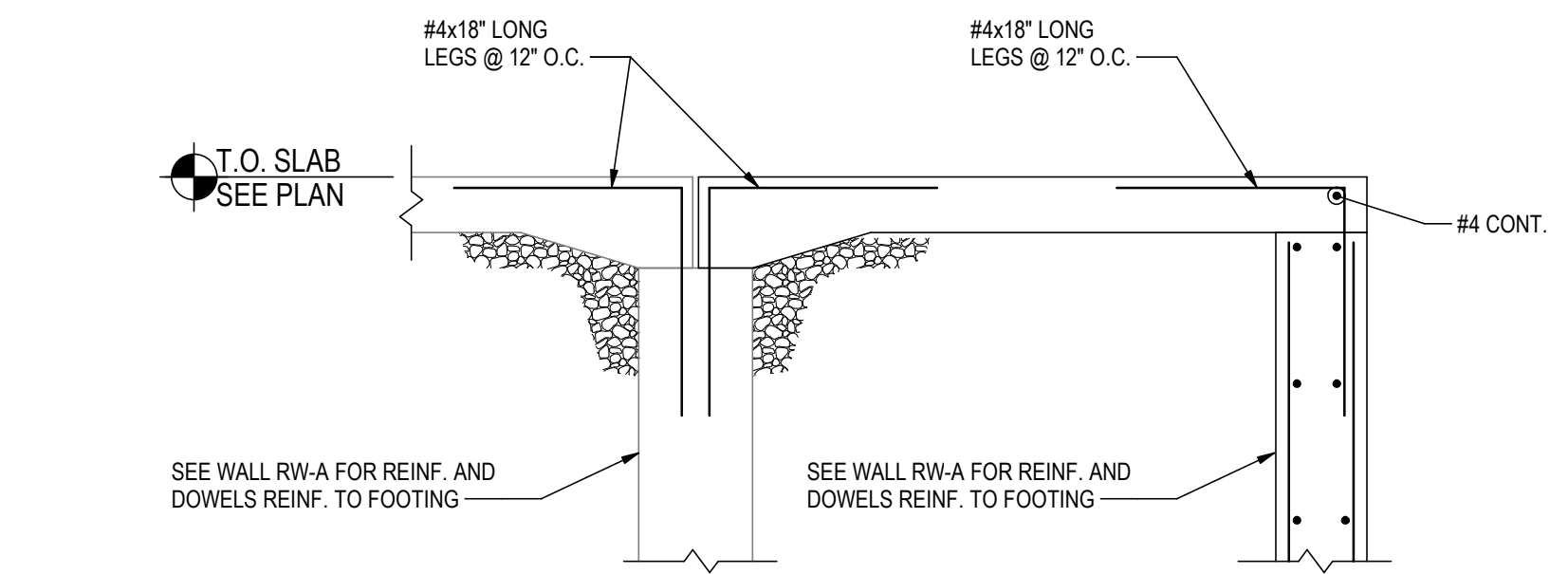
2 TYPICAL INTERIOR COLUMN FOOTING w/PIER  
S-301 N.T.S.

3 TYPICAL EXTERIOR WALL DETAIL UNLESS NOTED OTHERWISE  
S-301 N.T.S.

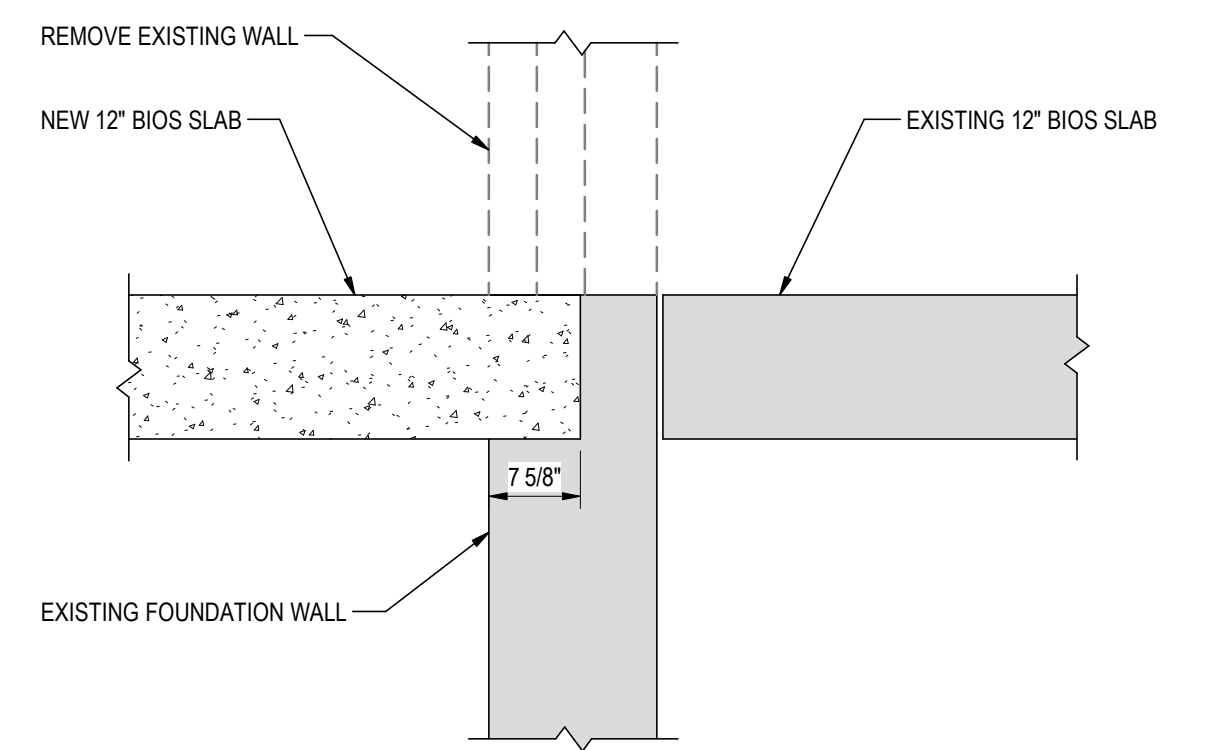


4 TYPICAL EXTERIOR DOOR PAD  
S-301 N.T.S.

5 TYPICAL EXTERIOR STAIR  
S-301 N.T.S.

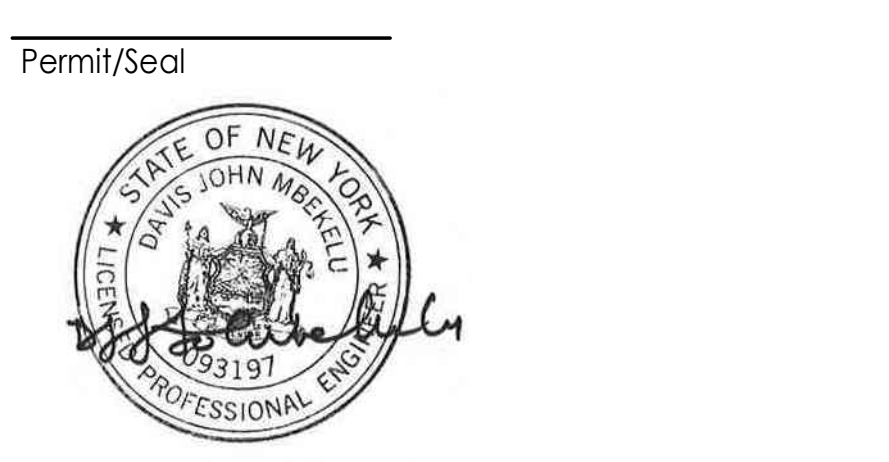


6 TYPICAL EXTERIOR DOOR RAMP LANDING  
S-301 N.T.S.



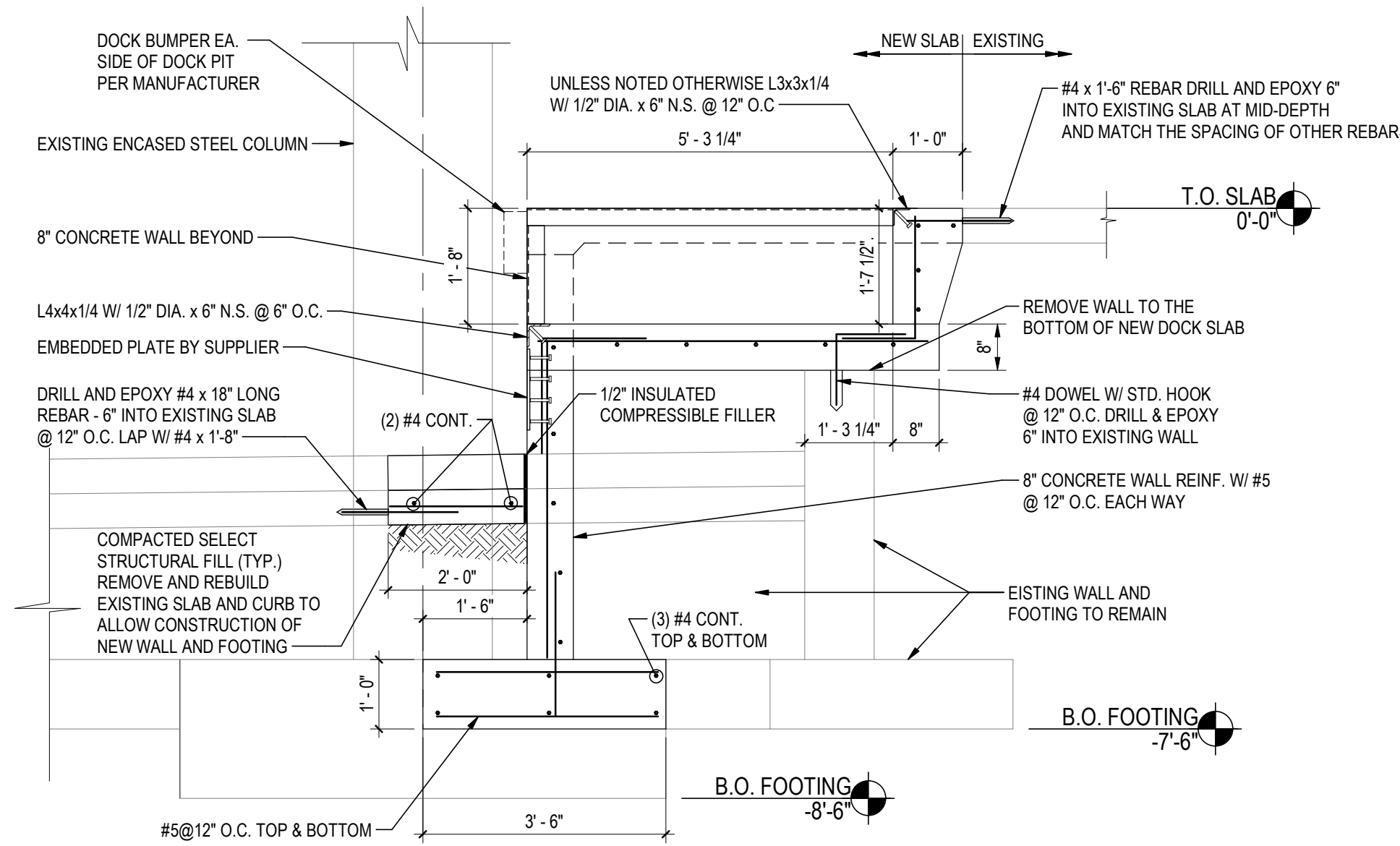
7 DETAIL BETWEEN NEW AND EXISTING BIOS  
S-301 3/4" = 1'-0"

2	PLANNING BOARD RESUBMISSION	AMS	DM	2023.06.07
1	FOR OWNER REVIEW	AMS	DM	2023.04.05
0	ISSUED FOR PERMIT	AMS	LD	2023.02.22
Issued/Revision		By	Appd	YYYYMMDD
File Name: N/A		Author	Designer	Checker
		Dwn	Dgn	Chk
				02/09/23
				YYYYMMDD

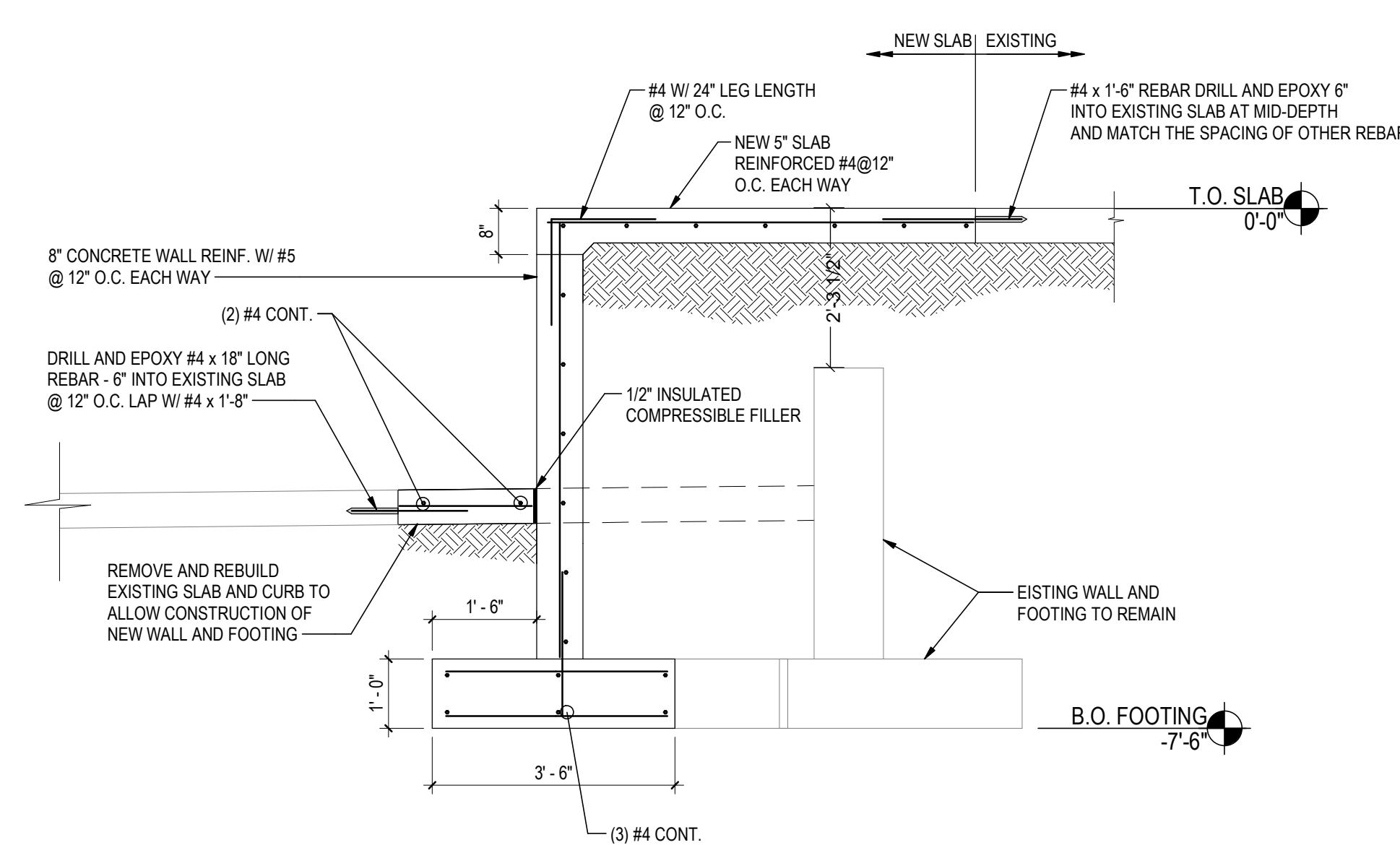


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Pearl River, NY

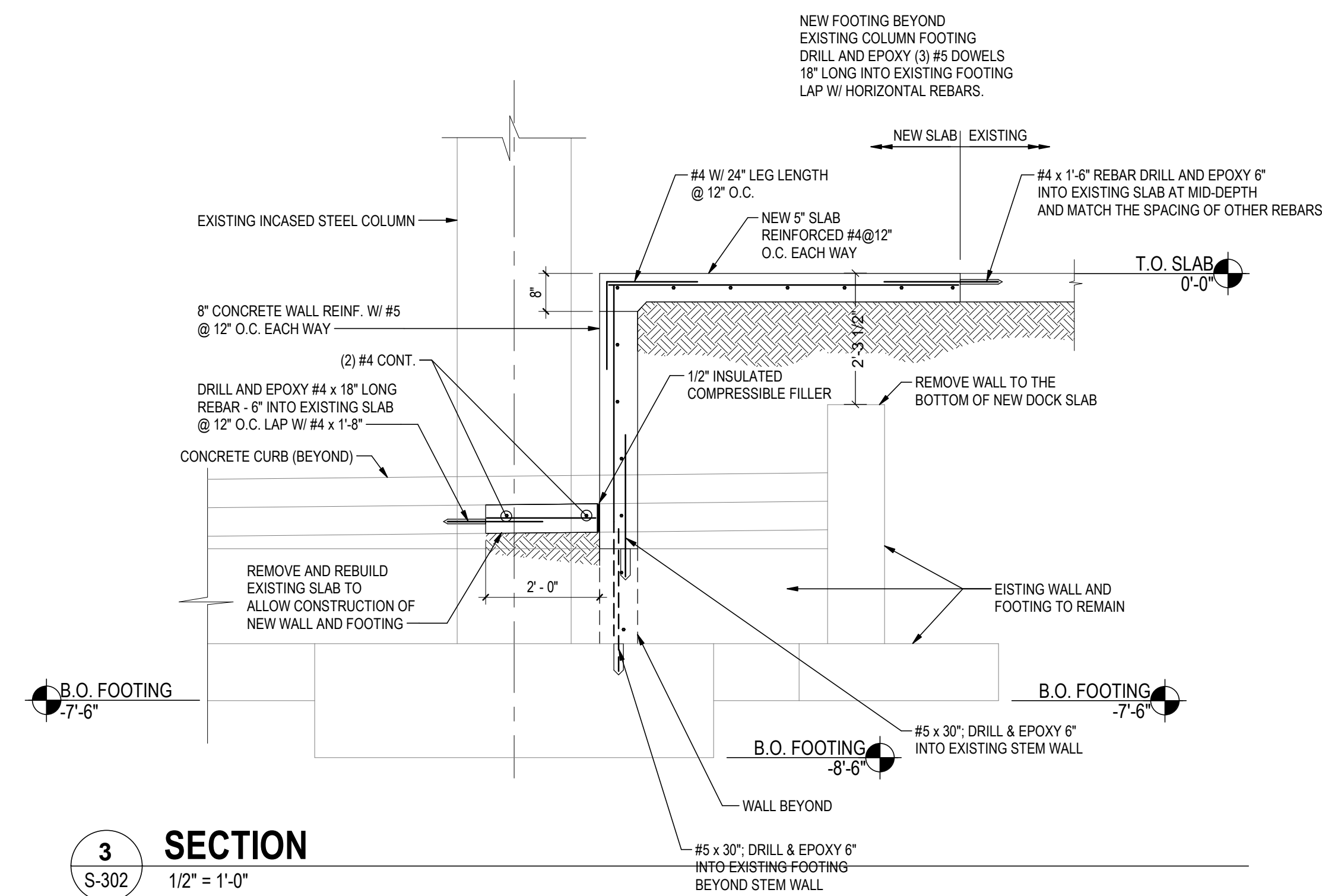
Title  
TYPICAL CONCRETE DETAILS AND SECTIONS



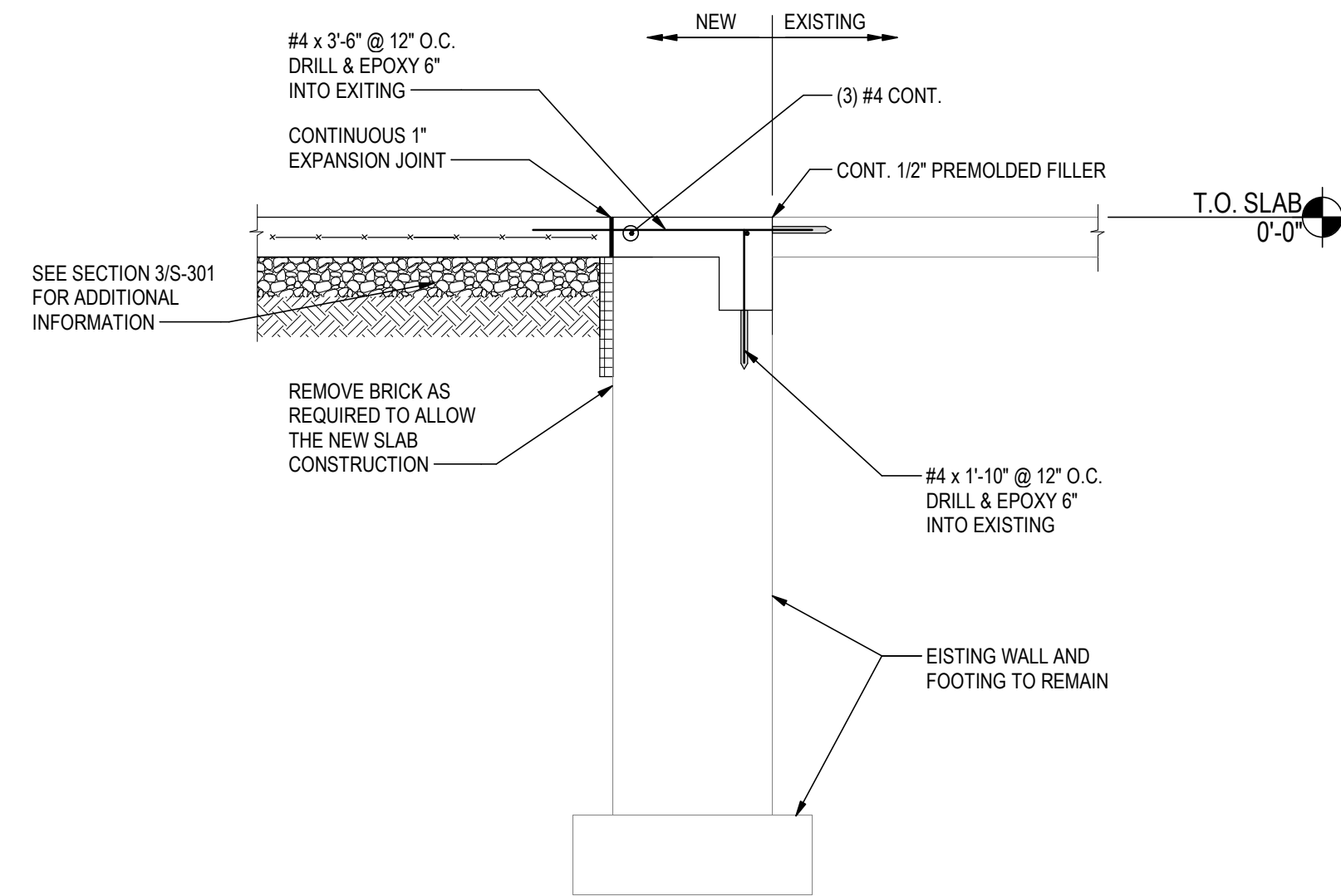
**1 SECTION**  
S-302 1/2" = 1'-0"



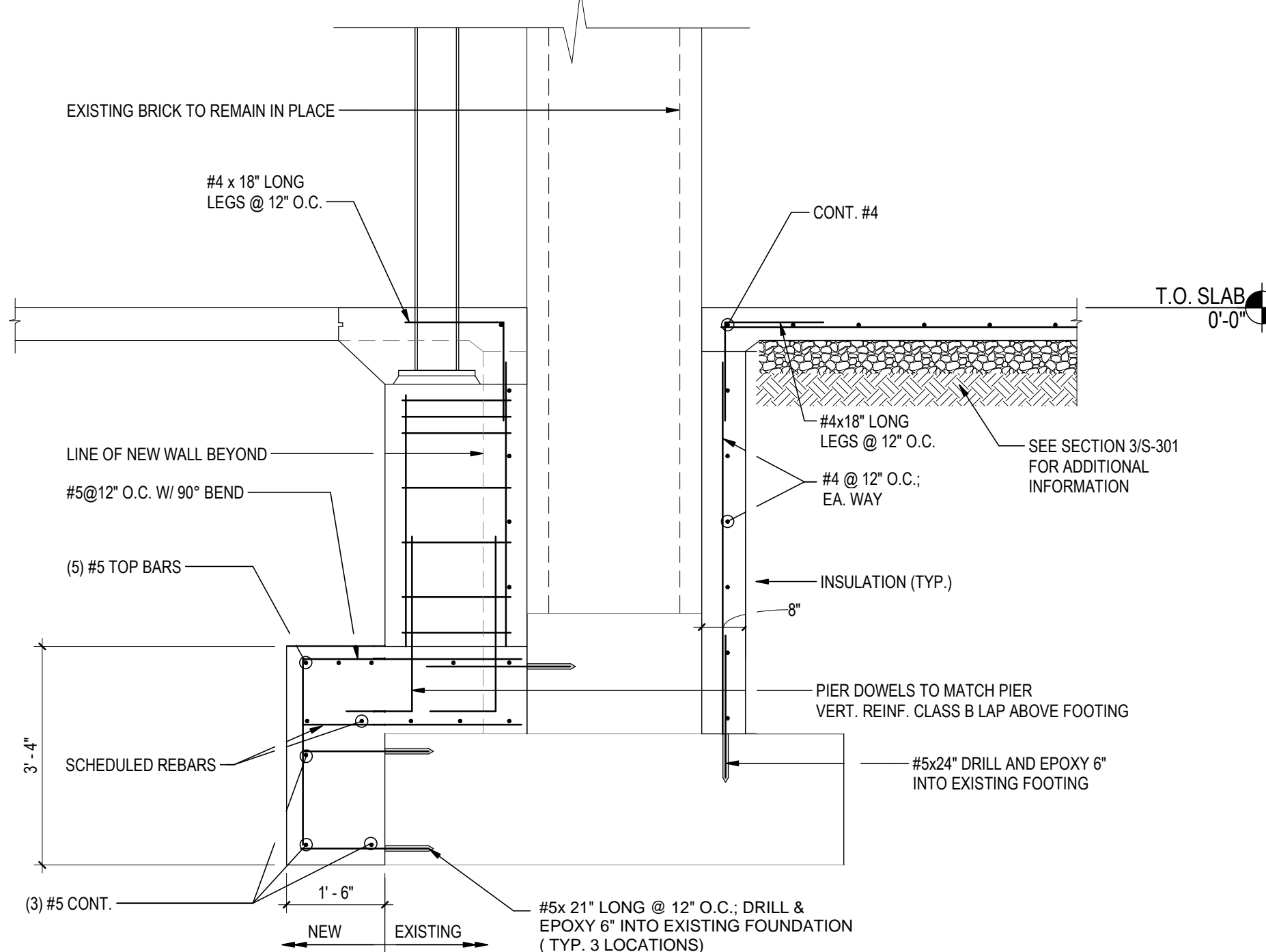
**2 SECTION**  
S-302 1/2" = 1'-0"



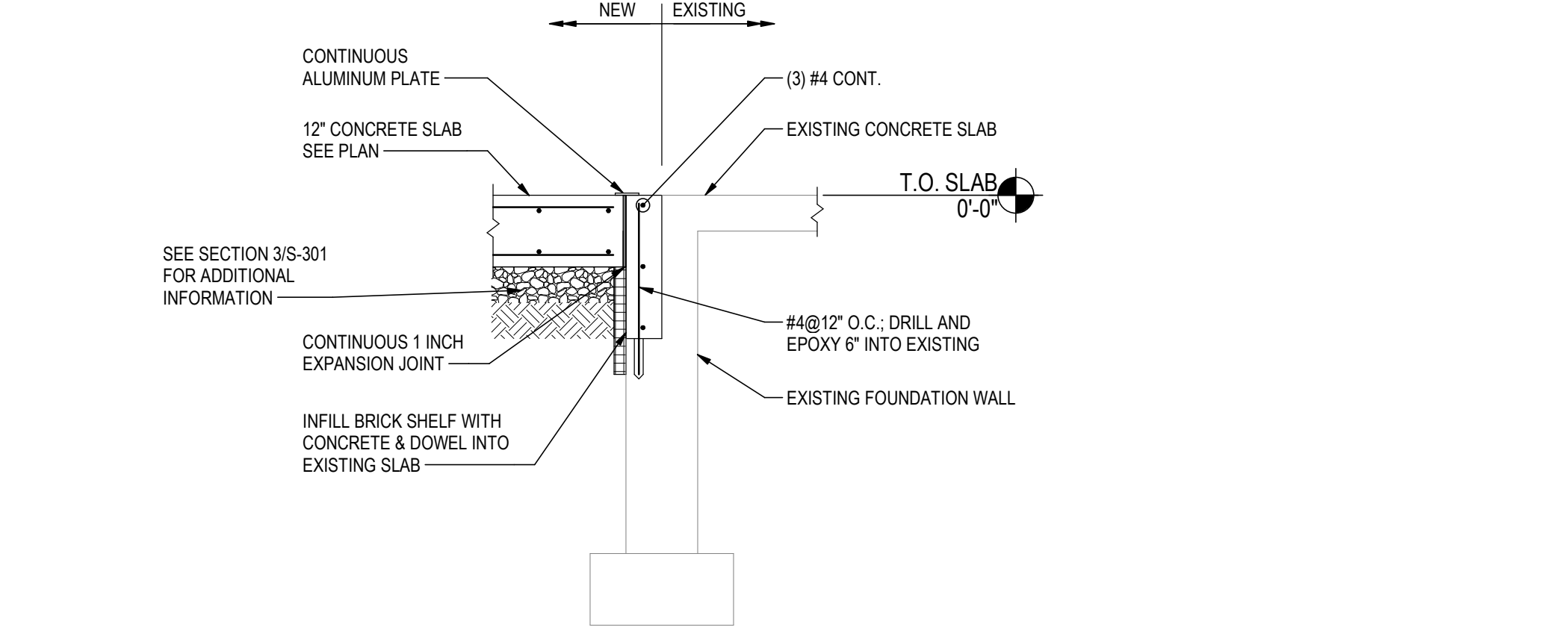
**3 SECTION**  
S-302 1/2" = 1'-0"



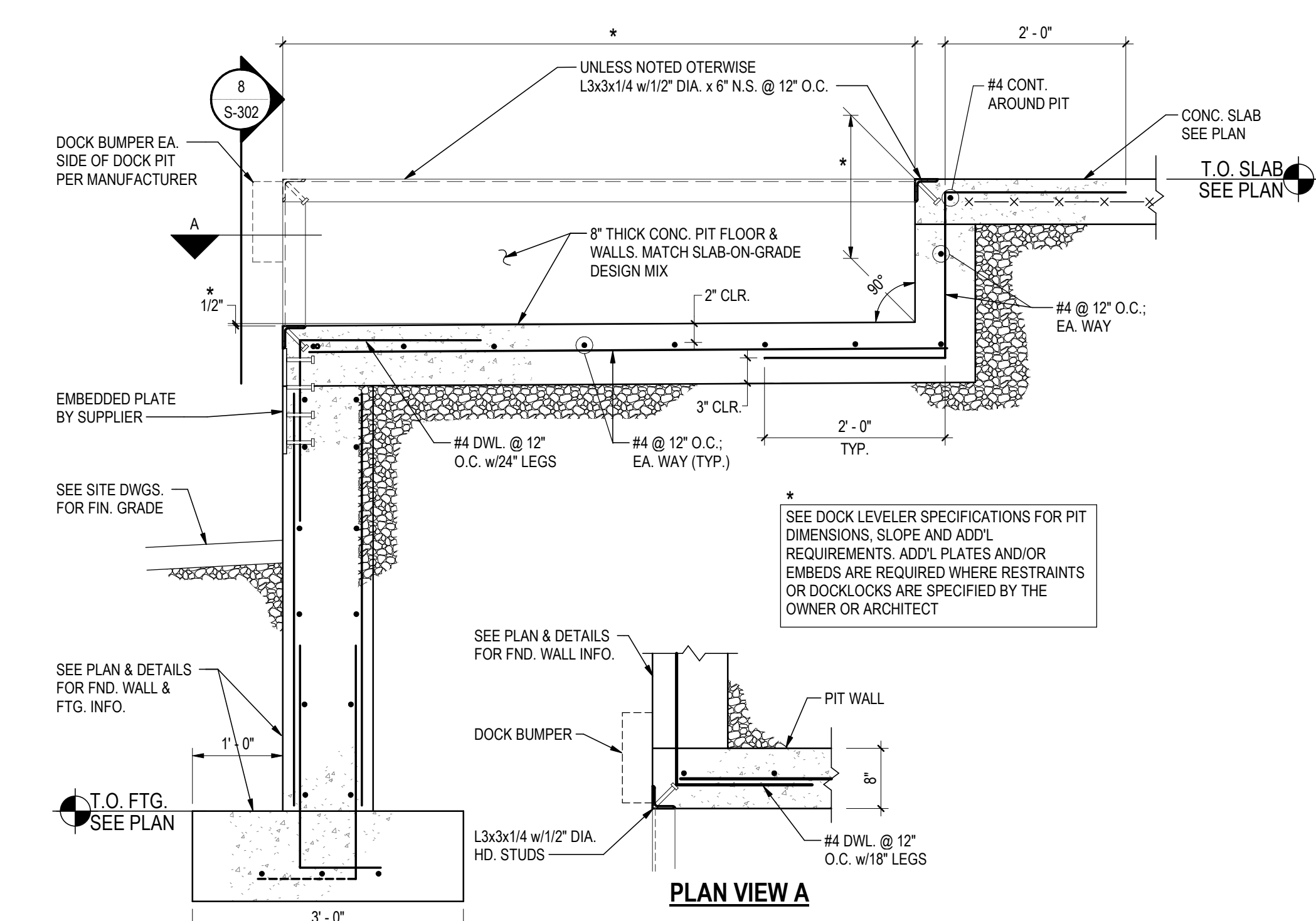
**4 SECTION**  
S-302 1/2" = 1'-0"



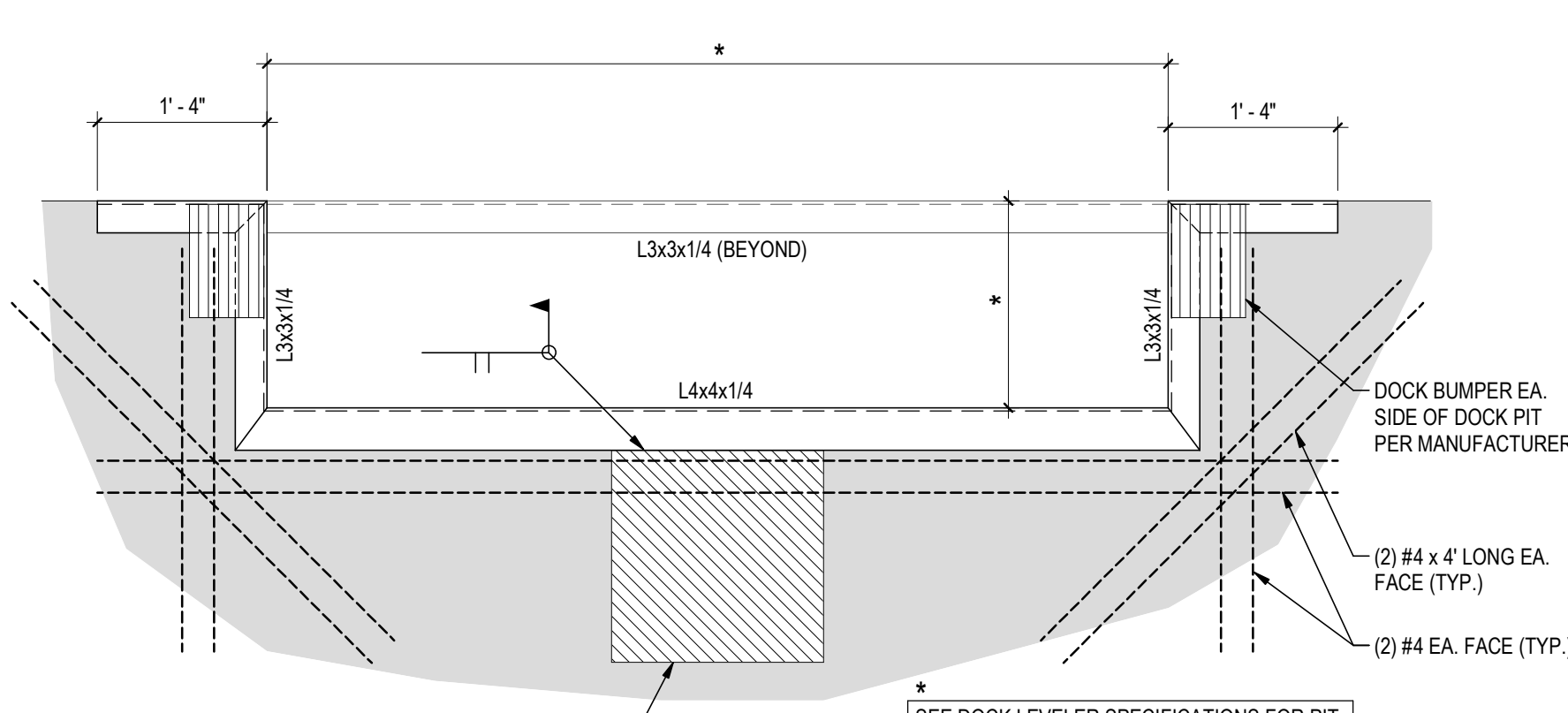
**5 SECTION**  
S-302 1/2" = 1'-0"



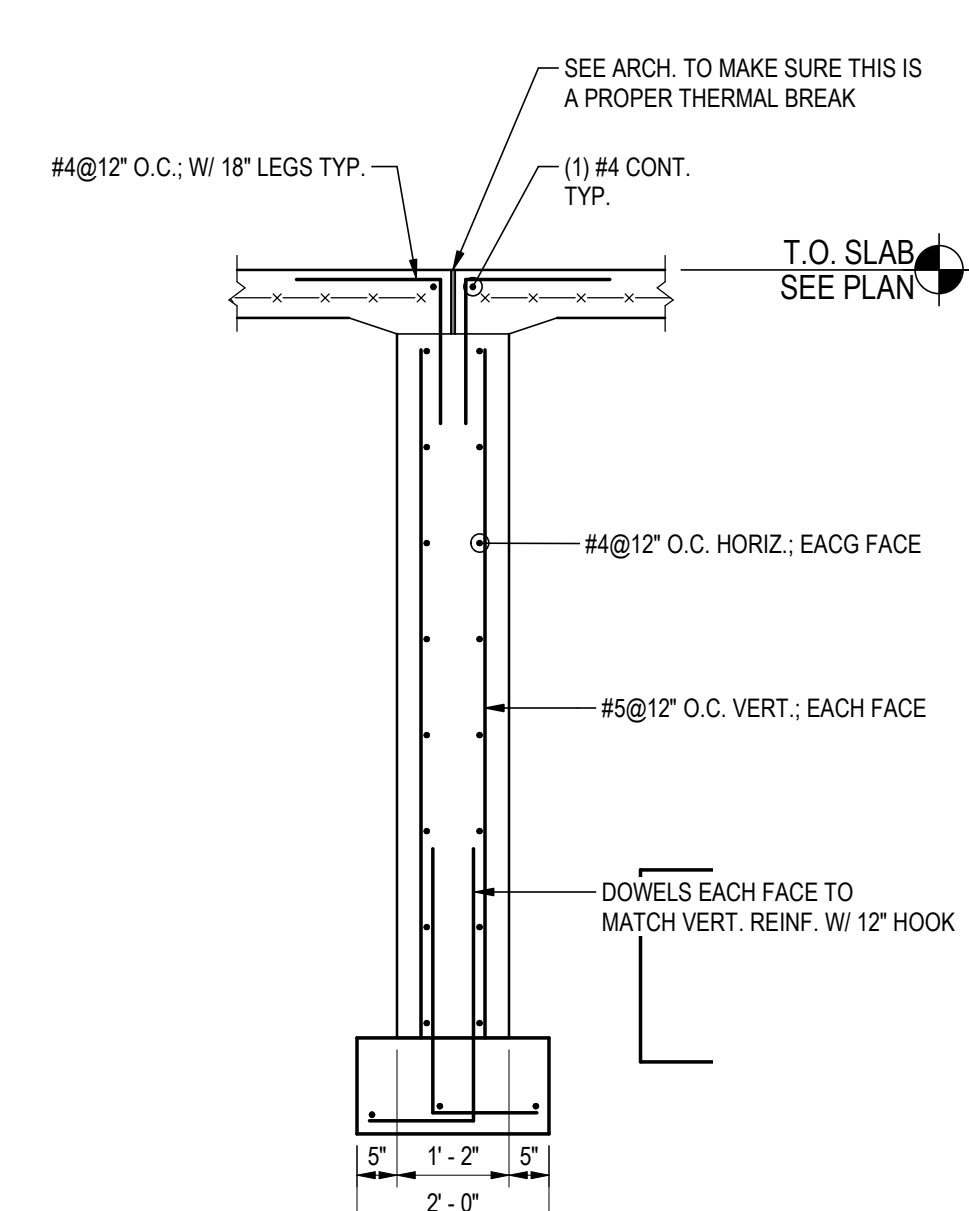
**6 SECTION**  
S-302 1/2" = 1'-0"



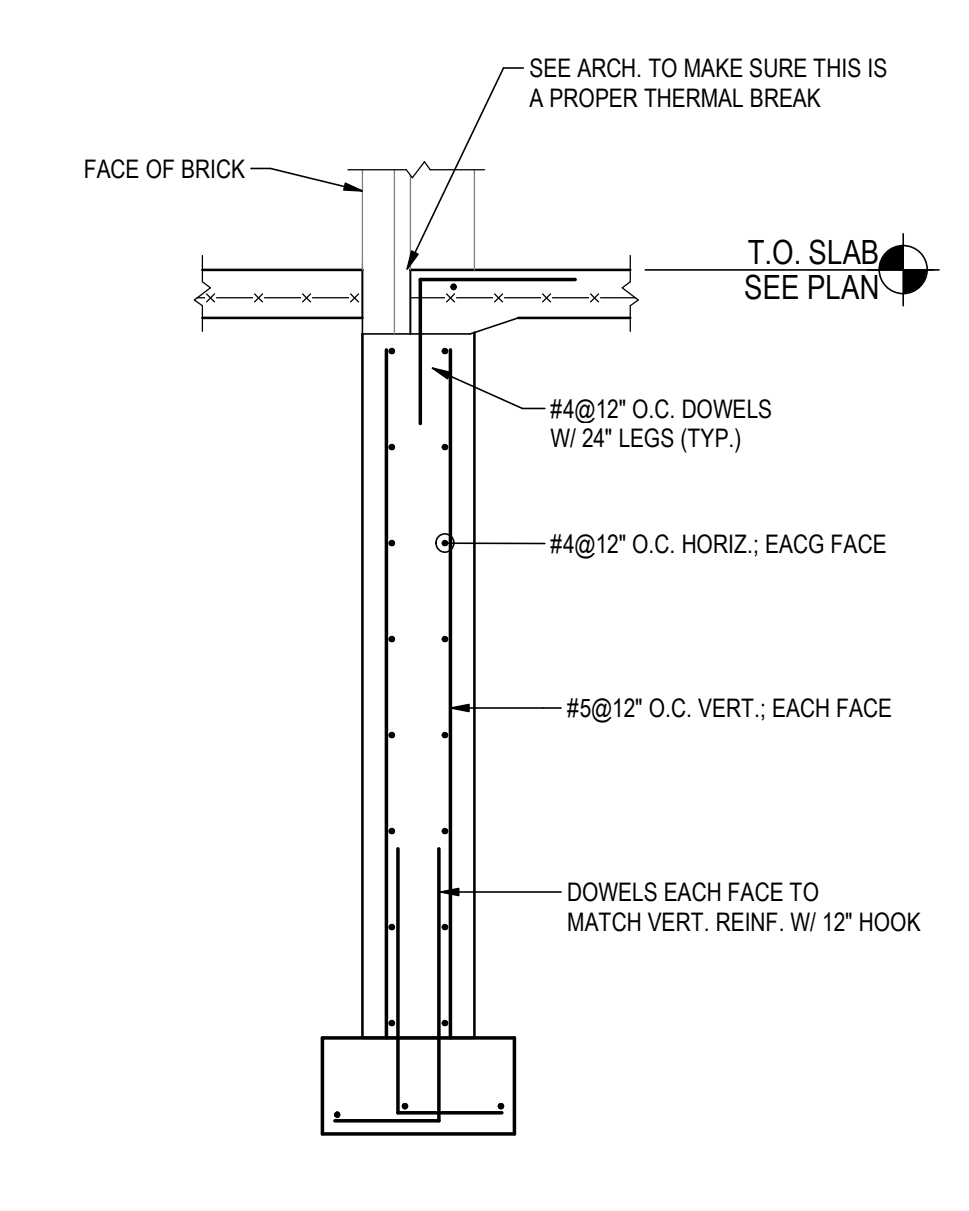
**7 SECTION**  
S-302 3/4" = 1'-0"



**8 DOCK PIT ELEVATION**  
S-302 3/4" = 1'-0"



**9 SECTION**  
S-302 1/2" = 1'-0"



**10 SECTION**  
S-302 1/2" = 1'-0"

Table with columns for revision/issue history, including fields for Date, Issued/Revision, and initials.

Table with columns for Author, Designer, Checker, and Date, used for project approval tracking.



Client/Project Logo



Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
FOUNDATION SECTIONS

Project No.  
191501254

Scale  
As indicated

Revision  
0

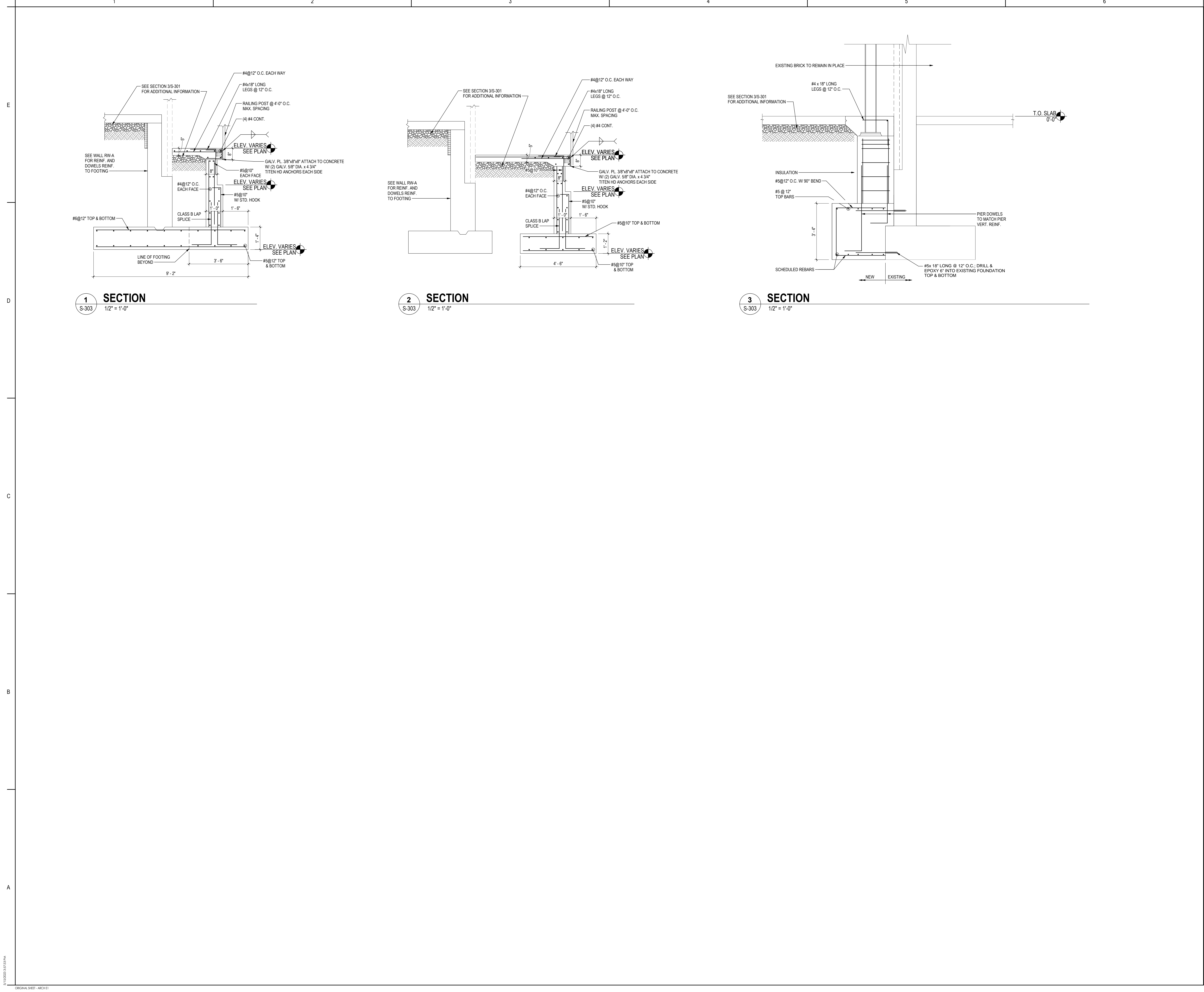
Drawing No.  
**S-302**

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Consultant

Notes



**1 SECTION**  
S-303 1/2" = 1'-0"

**2 SECTION**  
S-303 1/2" = 1'-0"

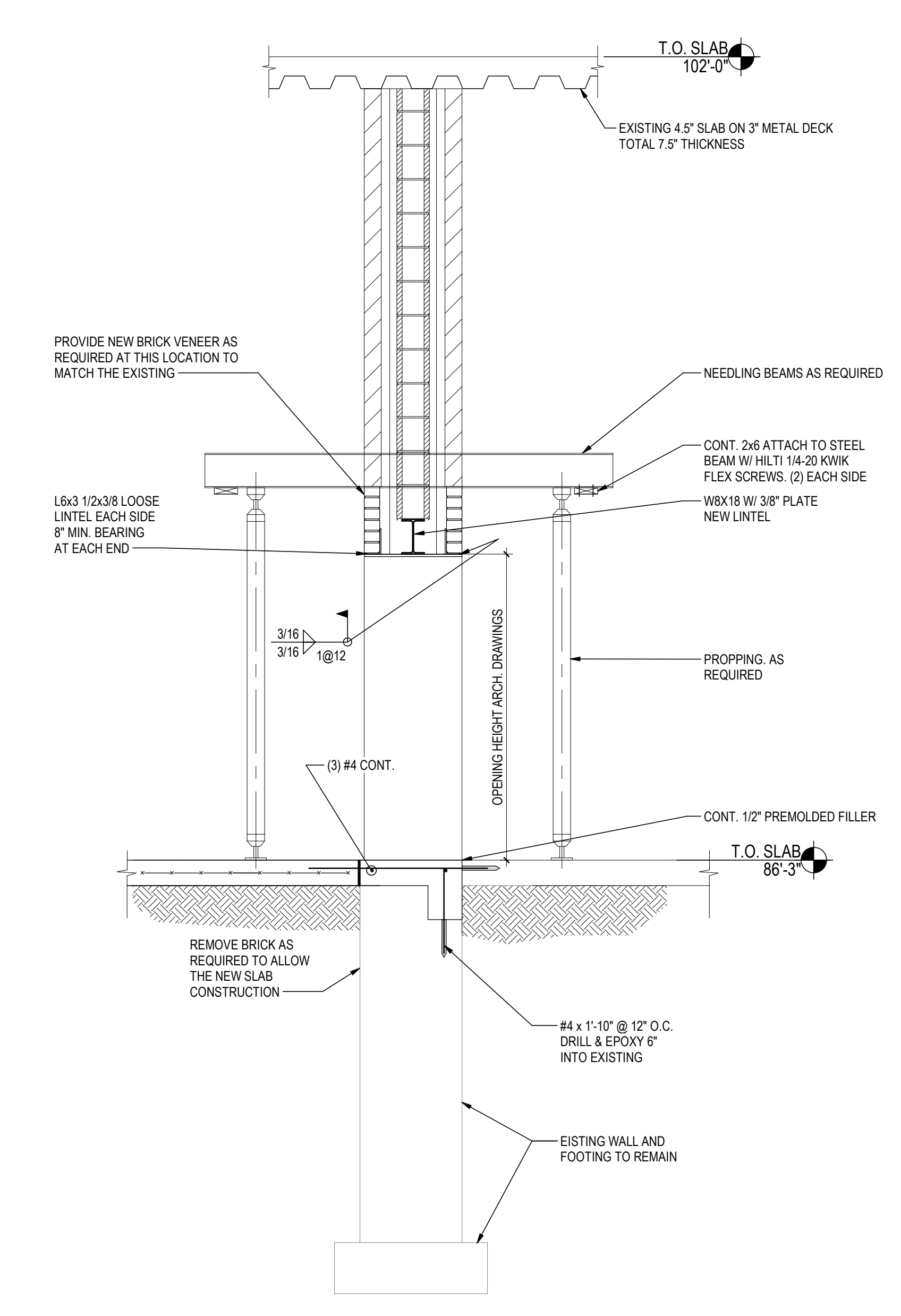
**3 SECTION**  
S-303 1/2" = 1'-0"


0 PLANNING BOARD RESUBMISSION	MJS	DM	2023.04.07
Issued/Revision	By	Appd	YYYY.MM.DD
File Name: N/A	Author:	Designer:	Checker:
	Dwn:	Dgn:	Chk:
			05/10/23
			YYYY.MM.DD

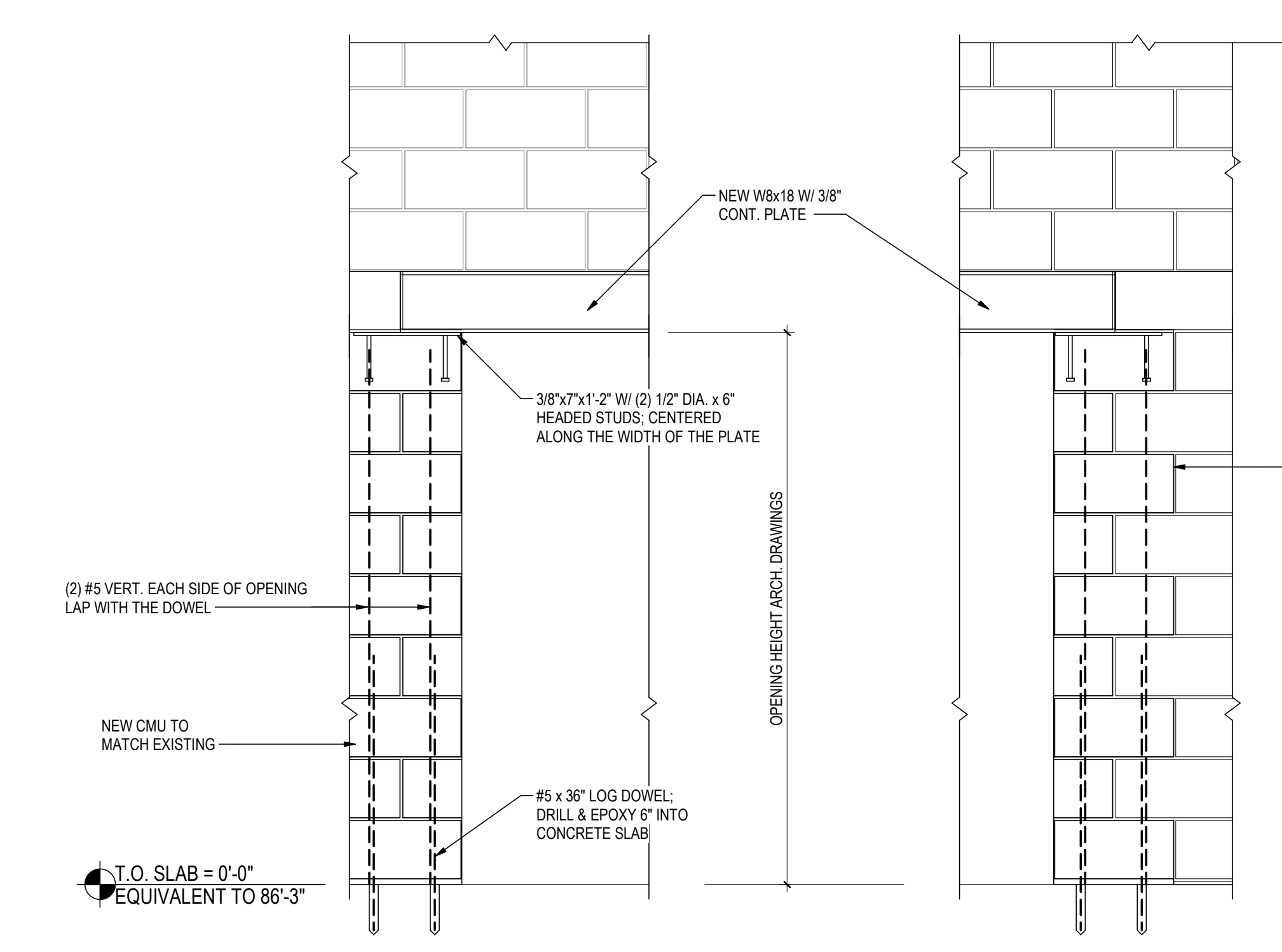


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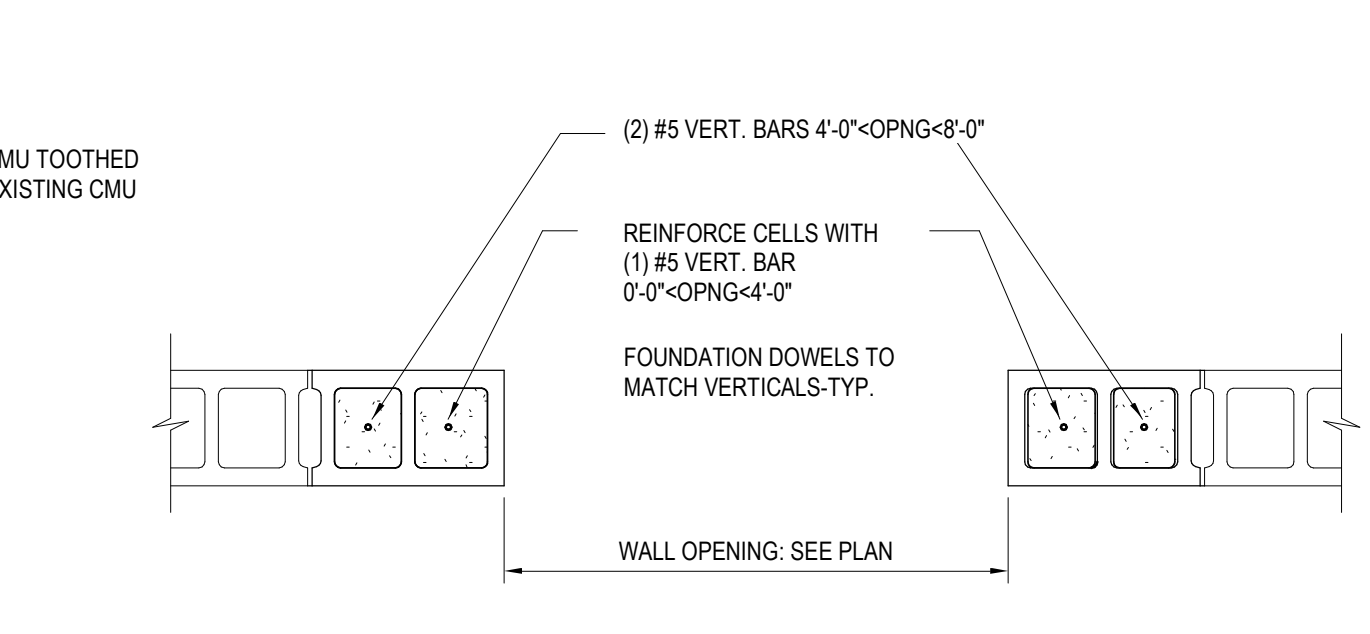
Project No.  
191501254  
Scale  
1/2" = 1'-0"  
Revision  
0  
Drawing No.  
**S-303**



**1**  
S-310  
TYPICAL NEEDLING DETAIL  
N.T.S.



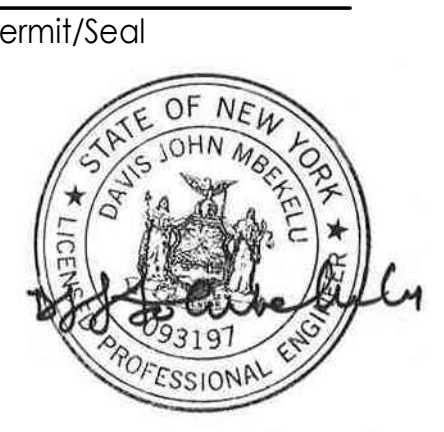
**2**  
S-310  
TYPICAL LINTEL DETAIL  
N.T.S.



NOTES:  
1. FULLY GROUT ALL REINFORCED CELLS - TYPICAL.  
2. MATCH VERTICAL REINFORCING SIZE AND QUANTITY WHERE BARS LARGER THAN #5 ARE SPECIFIED ON PLANS AND DETAILS.

**3**  
S-310  
TYPICAL MASONRY DETAIL AT JAMBES AND OPENINGS  
3/4" = 1'-0"


0	PLANNING BOARD RESUBMISSION	MJS	DM	2023.06.07
Issued/Revision	By	Appd	YYYY.MM.DD	
File Name: N/A	Author: Dmn	Designer: Dgn	Checker: Cng	06/28/23 YYYY.MM.DD

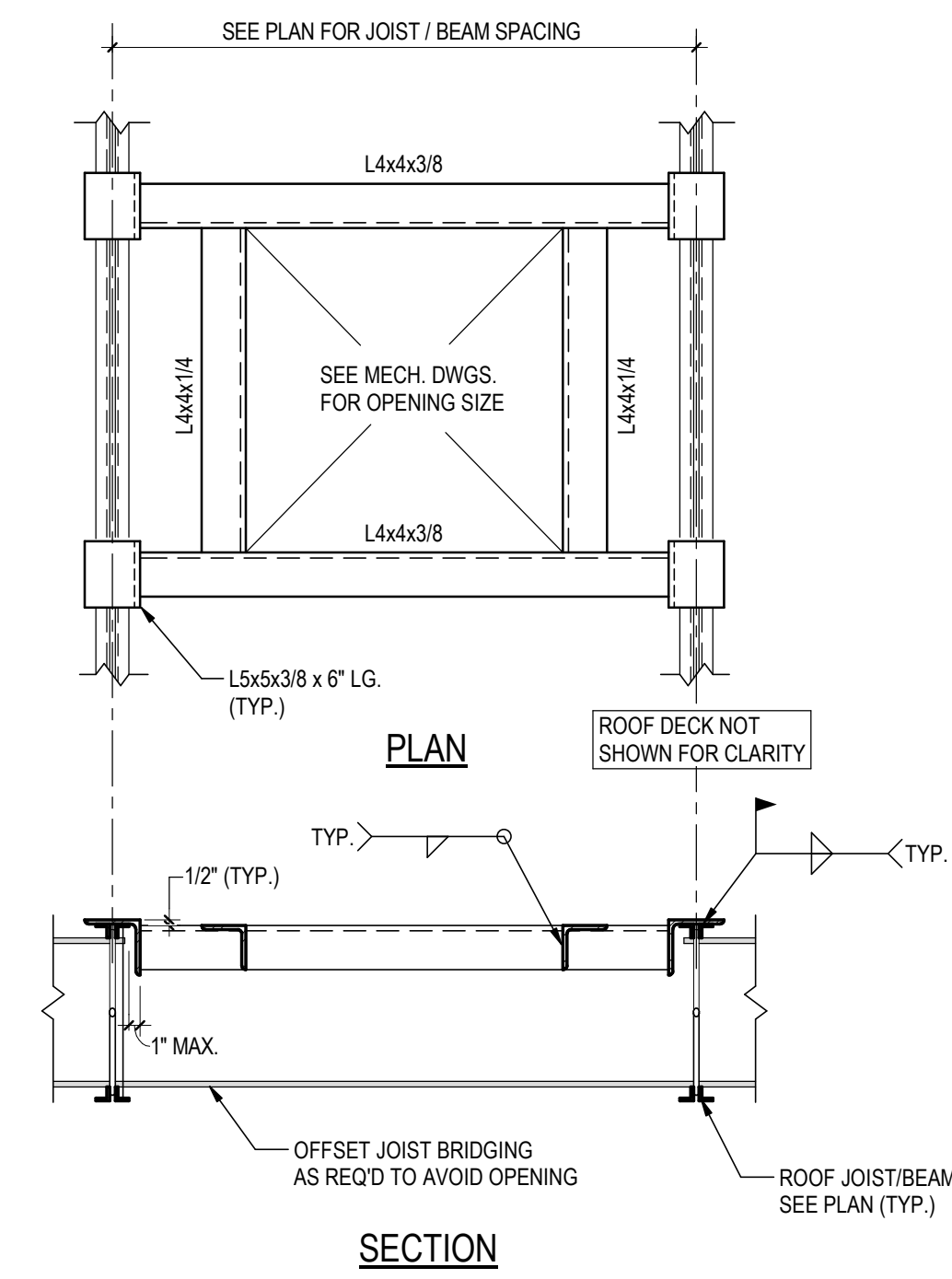
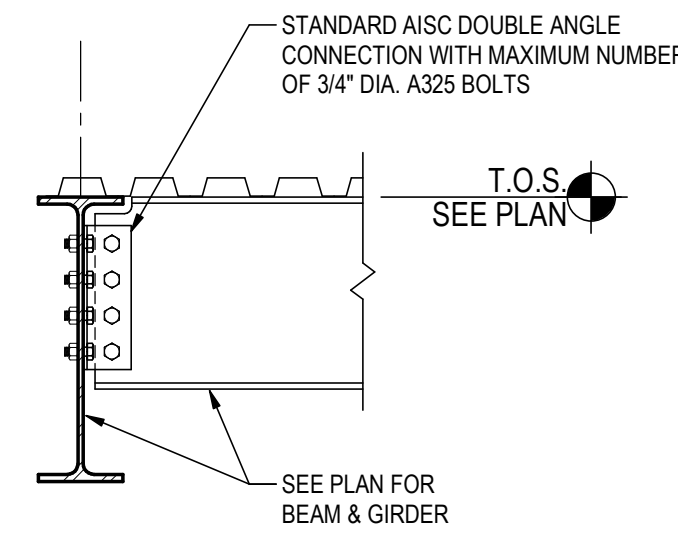


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Pearl River, NY  
  
Title  
TYPICAL MASONRY DETAILS

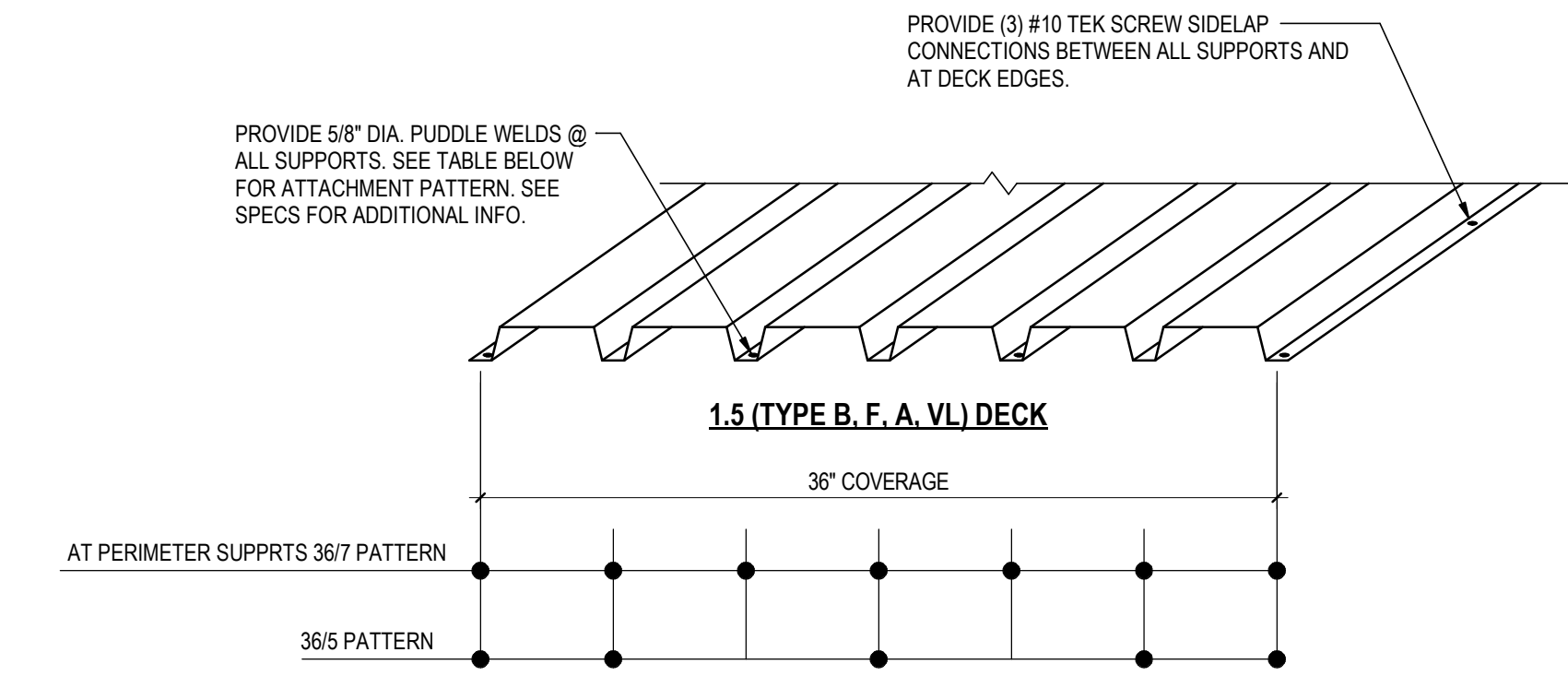
BEAM CONNECTION SCHEDULE	
BEAM SIZE	NUMBER OF BOLTS
WB, W10	(2) - 3/4" DIA.
W12, W14	(3) - 3/4" DIA.
W16	(4) - 3/4" DIA.
W18	(5) - 3/4" DIA.
W21	(6) - 3/4" DIA.
W24	(7) - 3/4" DIA.
W27	(8) - 3/4" DIA.
W30	(9) - 3/4" DIA.
W33	(10) - 3/4" DIA.
W36	(11) - 3/4" DIA.

**NOTES:**  
1. BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS SHALL BE MADE WITH DOUBLE L3x3x1/8 GEOMETRIC MINIMUM WITH THE OUTSIDE LEGS BOLTED TO BEAM AS SCHEDULED ABOVE, UNLESS CONDITIONS MANDATE OTHERWISE.  
2. ALL BOLTS SHALL BE A325-N.

**NOTE:**  
SCHEDULE APPLIES TO NEW AND EXISTING BEAM CONNECTION.



**NOTE:**  
THIS DETAIL APPLIES TO ALL ROOF OPENINGS GREATER THAN 12"x12" IN PLAN DIMENSION. LOCATIONS AND DIMENSIONS TO BE COORDINATED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.



**1 BEAM CONNECTION SCHEDULE**  
S-320 N.T.S.

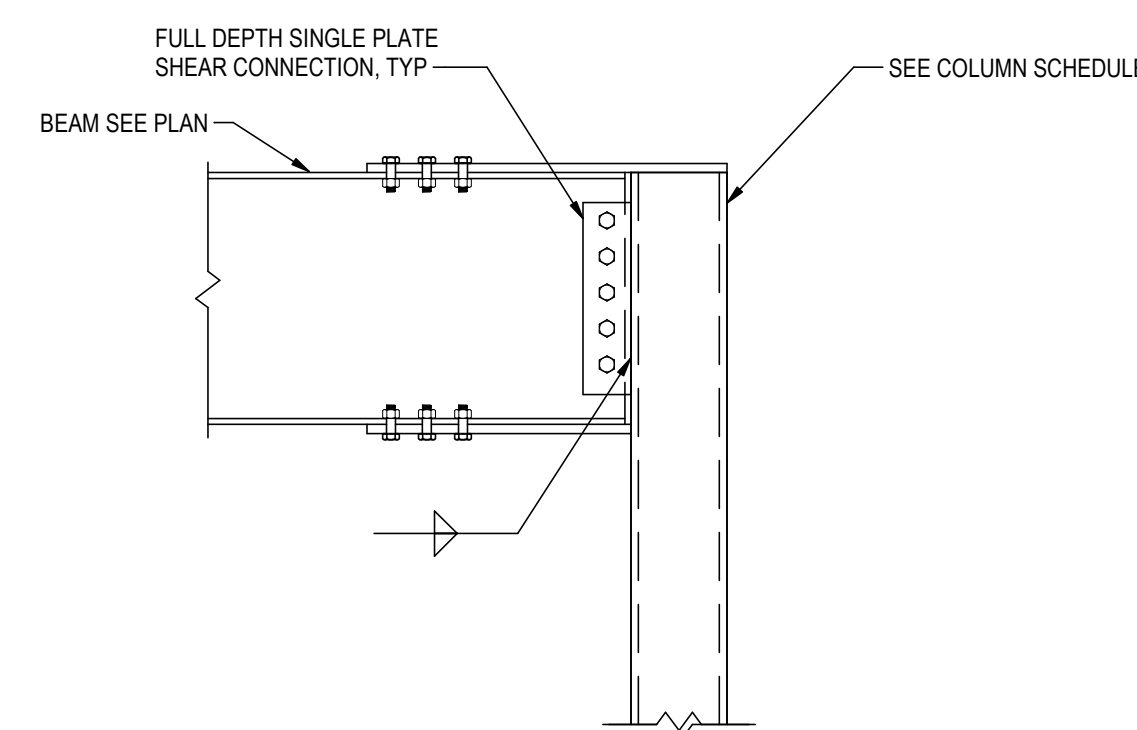
**2 TYPICAL BEAM TO GIRDER CONNECTION**  
S-320 N.T.S.

**4 TYPICAL ROOF OPENING DETAIL**  
S-320 3/4" = 1'-0"

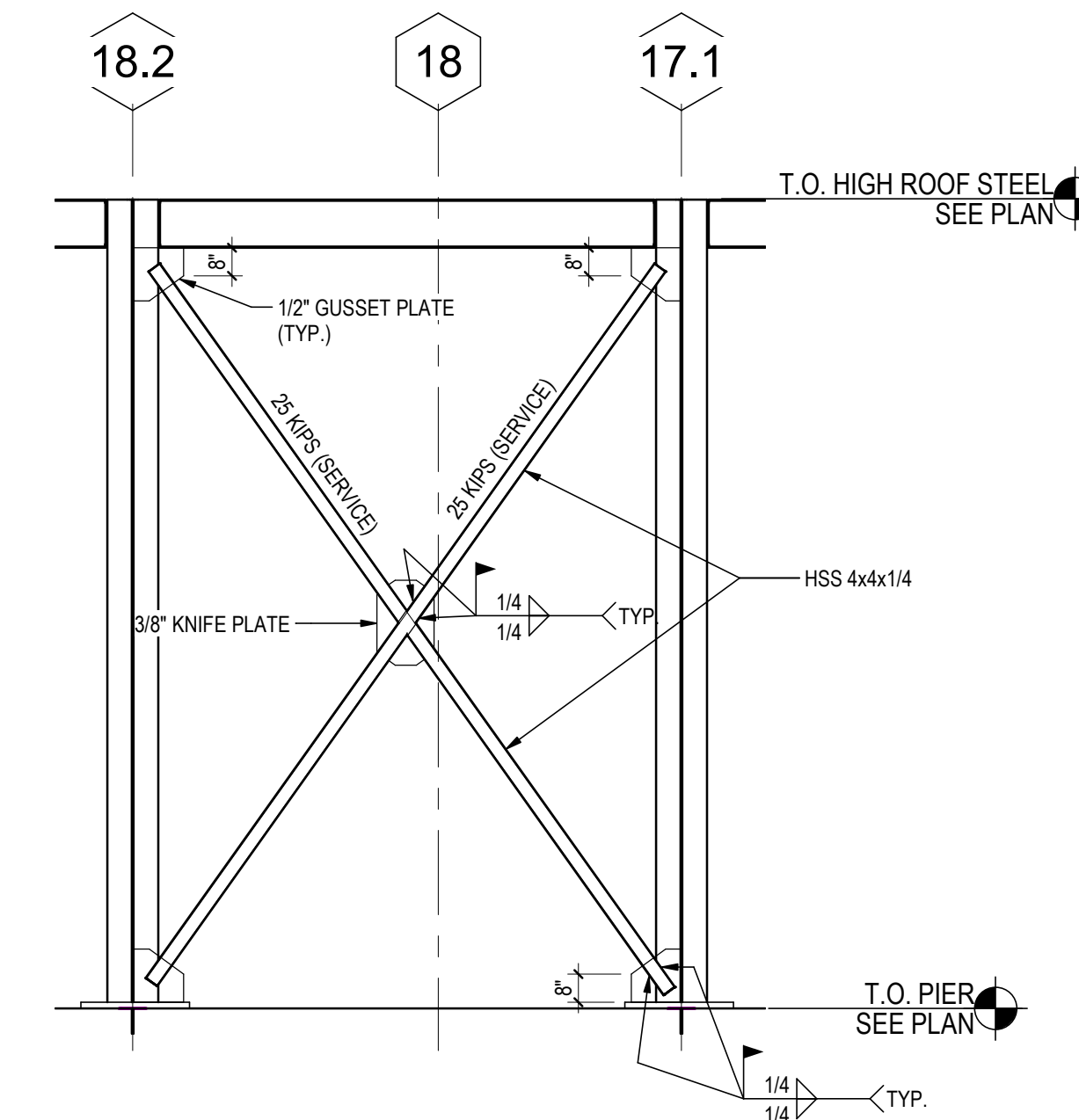
**3 TYPICAL DECK FASTENER LAYOUT**  
S-320 3/4" = 1'-0"

MOMENT CONNECTION SCHEDULE (SERVICE LOADS)					
MARK	M <sub>DL</sub> (FT-KIP)	M <sub>LR</sub> (FT-KIP)	M <sub>SL</sub> (FT-KIP)	M <sub>DL</sub> (FT-KIP)	M <sub>DL</sub> (FT-KIP)
MC-1	12	10	12	9	7.5
MC-2	26	18.2	29.9	19.5	28.6
MC-3	23.4	20.8	53.3	42.9	46.8

TOTAL END BEAM SHEAR SHALL BE PER THE NUMBER OF BOLTS SPECIFIED ABOVE.



**5 MOMENT CONNECTION SCHEDULE AND DETAIL**  
S-320 N.T.S.



**6 X-BRACE ELEVATION**  
S-320 1/4" = 1'-0"

File Name	Author	Designer	Checker	Date
File Name: N/A	Author: Dmn	Designer: Dgn	Checker: Cns	02/08/23

Permit/Seal



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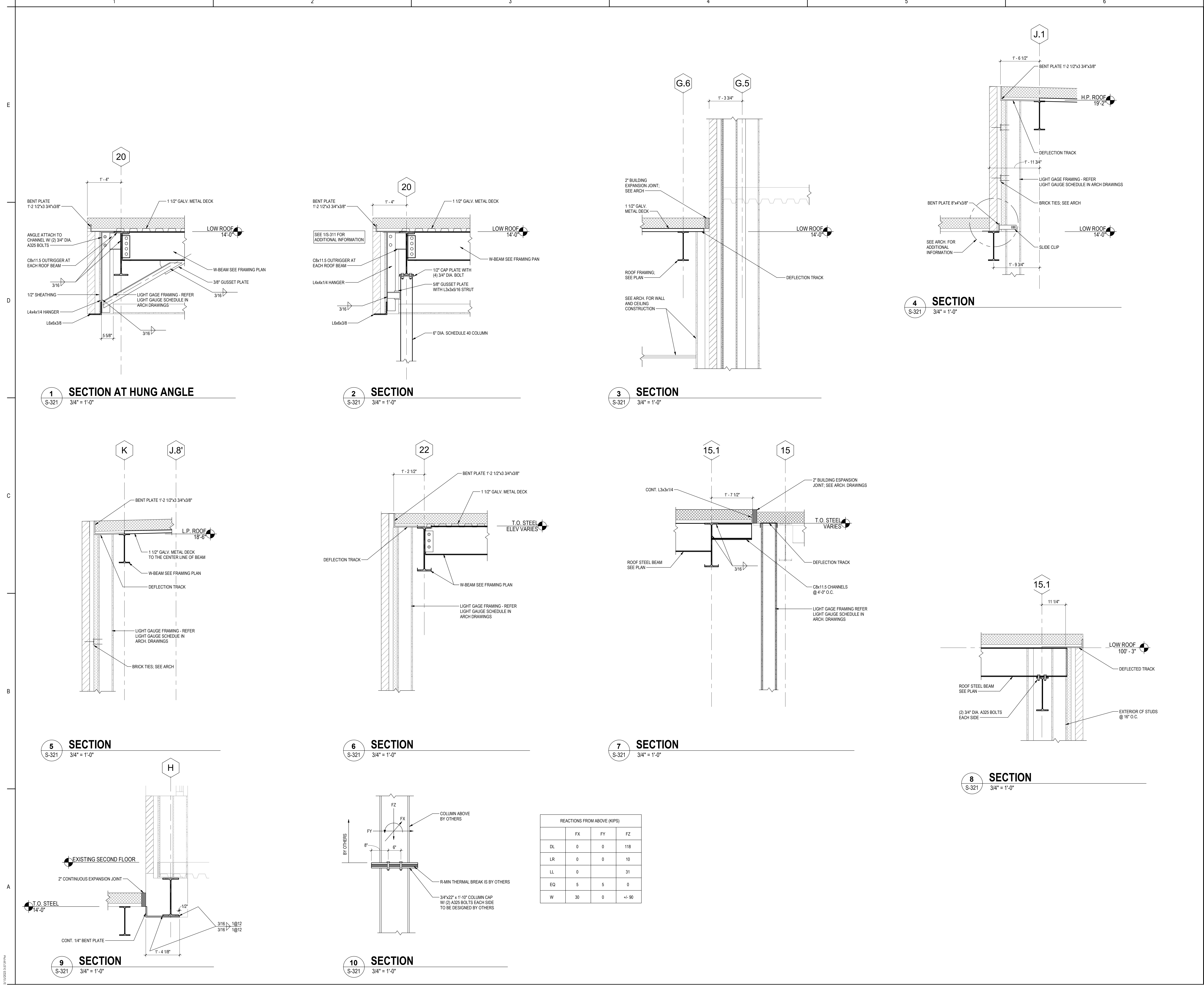


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Title  
TYPICAL FRAMING DETAILS



REACTIONS FROM ABOVE (KIPS)

	FX	FY	FZ
DL	0	0	118
LR	0	0	10
LL	0	0	31
EQ	5	5	0
W	30	0	+/- 90

2	PLANNING BOARD RESUBMISSION	AMS	DM	2023.06.07
1	FOR OWNERS REVIEW	AMS	DM	2023.04.05
0	ISSUED FOR PERMIT	AMS	LG	2023.02.22
Issued/Revision		By	Appd	YYYY.MM.DD
File Name:	N/A	Author:	Design:	Check:
		Dwn:	Dgn:	Cht:
				02/17/23
				YYYY.MM.DD



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Title  
FRAMING SECTIONS

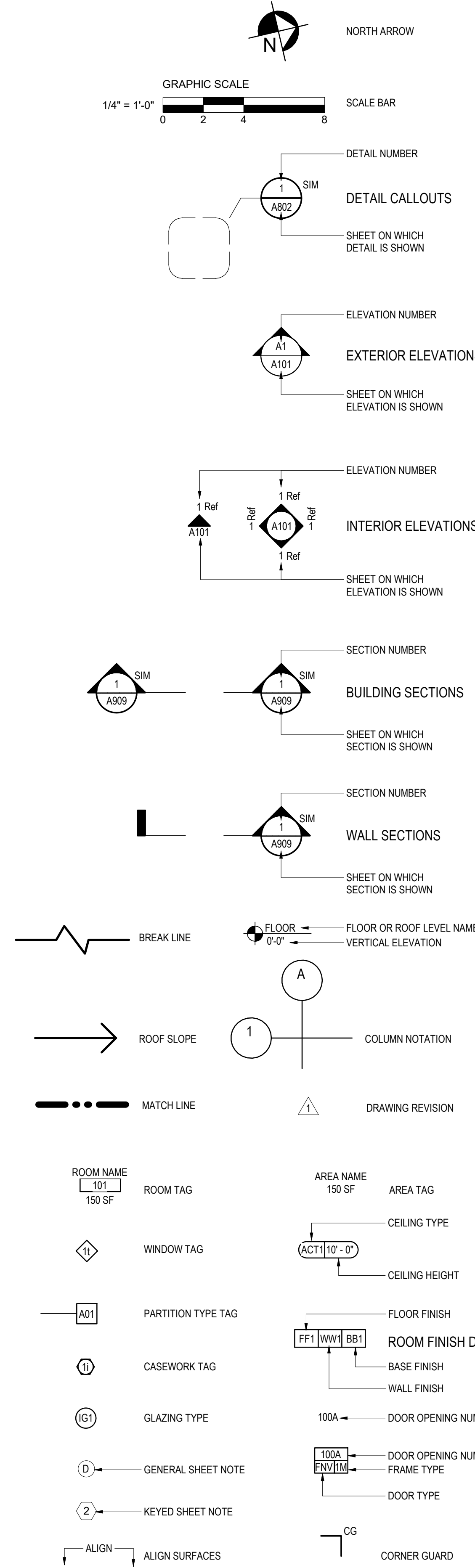
**GENERAL PROJECT REQUIREMENTS**

- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS FOR THE CONTRACTORS IN ALL TRADES TO FURNISH A COMPLETE PROJECT TO THE OWNER. CONTRACTOR SHALL FURNISH ALL LABOR, SUPERVISION, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE ALL DEMOLITION AND NEW WORK SHOWN ON THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AS INDICATED ON DRAWING G-001. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS OF EXISTING SERVICES THAT ARE TO REMAIN AND MAY INTERFERE WITH NEW WORK.
- EXISTING ROOMS AND CORRIDORS ADJACENT TO THE PROJECT AREA SHALL REMAIN IN USE BY OWNER DURING DEMOLITION AND CONSTRUCTION OF THIS PROJECT. CONTRACTOR SHALL MAINTAIN ALL SERVICES TO THESE OCCUPIED AREAS AND NOT INTERFERE WITH OPERATIONS. WHERE NEW SERVICE MAINS ARE TO BE INSTALLED, CONTRACTOR SHALL COORDINATE WITH OWNER/OWNER'S REPRESENTATIVE TO SCHEDULE TIE-INS TO ACTIVE AREAS. ACTIVE TIE-INS WILL BE DONE DURING SCHEDULED PLANT SHUT DOWNS.
- CONTRACTOR SHALL COORDINATE WITH OWNER BEFORE STARTING WORK FOR THE FOLLOWING: BUILDING ACCESS, RULES AND REGULATIONS, DUMPSTER REQUIREMENT, SAFETY, DAILY CLEAN UP AND REMOVALS, MATERIAL MOVEMENT THROUGH FACILITY, TIE-INS TO EXISTING SERVICES, AND STORAGE AREA LOCATIONS.
- ALL WORK SHALL BE PERFORMED AS PER STATE AND LOCAL CODES, FIRE MARSHALL REQUIREMENTS, OSHA, NEC, NFPA, AND FACTORY MUTUAL GUIDELINES.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE STARTING ANY WORK. ALL CONFLICTS SHALL BE BROUGHT TO THE OWNER'S ATTENTION.
- DURING CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN THE WORK AREA UNDER A NEGATIVE PRESSURE IN RELATION TO THE SURROUNDING AMBIENT SPACE. TEMPORARY (CONTRACTOR FURNISHED) EXHAUST FANS WITH FILTERS SHALL BE USED WITH MINIMUM EXHAUST CAPACITY OF 0.6 CFM/SQ. FT. ALL WALL OPENINGS SHALL BE PROTECTED WITH PLASTIC DUST TIGHT BARRIERS BETWEEN CONSTRUCTION AND ADJACENT AREAS. COORDINATE WORK WITH OWNER. SEE GENERAL PROJECT REQUIREMENTS NOTE 10.
- ALL DIMENSIONS ON DRAWINGS ARE TO BE FIELD VERIFIED AND COORDINATED BY CONTRACTOR. CONTRACTOR SHALL PROVIDE SIX (6) PRINTS OF EACH SHOP DRAWING FOR APPROVAL BY OWNER. SHOP DRAWINGS SHALL INCLUDE BUT NOT BE LIMITED TO: DOORS, FRAMES, HARDWARE, MISCELLANEOUS STEEL, PIPING, VALVES, ETC.
- CONTRACTOR SHALL MAINTAIN A SET OF DRAWINGS TO REFLECT AND DOCUMENT RECORD CONDITIONS. CONTRACTOR SHALL SUBMIT SIX (6) SETS OF RECORD DOCUMENTS INCLUDING A COPY OF ALL APPROVED SHOP DRAWINGS, LITERATURE CUTS AND OPERATION AND MAINTENANCE DATA TO OWNER PRIOR TO THE END OF THE CONTRACT.
- ALL BUILDING EXITS MUST REMAIN UNOBSTRUCTED AND OPERABLE AT ALL TIMES. EXISTING SPRINKLER AND ALARM SYSTEMS MUST REMAIN IN OPERATING ORDER. CONTRACTOR MUST COORDINATE WITH OWNER, ANY SHUT DOWN OF MECHANICAL, ELECTRICAL OR FIRE SPRINKLER SYSTEMS.
- CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY DUST TIGHT BARRIERS AND PROTECTIVE FLOOR COVERING TO PROTECT EXISTING FLOORS, WALLS, CEILING AND OWNERS EQUIPMENT. TEMPORARY PARTITIONS SHALL BE CONSTRUCTED USING 2x4 METAL STUDS, 1/2" GYPSUM BOARD PANELS, AND 6 MIL. REINFORCED PLASTIC SHEETING. BARRIERS SHALL NOT BE REMOVED UNTIL COMPLETION OF PROJECT OR AS AGREED UPON BY OWNER. COORDINATE LOCATIONS AND PERIMETERS WITH OWNER.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY BARRICADES AND SIGNAGE FOR PROJECT AREA DURING DEMOLITION AND NEW WORK.
- PFIZER SHALL PROVIDE AND PAY FOR ALL DUMPSTER. LOCATION OF DUMPSTER TO BE AGREED TO BY OWNER PRIOR TO PLACING UNITS ON SITE.
- ALL CONSTRUCTION PERSONNEL SHALL BE RESTRICTED TO THE AREA OF THE PLANT UNDER CONSTRUCTION. ALL OTHER AREAS OF THE PLANT SHALL BE DEEMED OFF-LIMITS UNLESS OTHERWISE AGREED TO BY OWNER. CONTRACTOR'S PERSONNEL AND MATERIAL ENTRANCE SHALL BE APPROVED IN ADVANCE BY OWNER.
- CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER FOR ALL TEMPORARY ELECTRICAL POWER TIE-INS, WATER HOOKUPS AND MATERIAL STORAGE REQUIRED FOR THEIR WORK. CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS FOR THEIR SUBCONTRACTORS.
- CONTRACTOR SHALL, DURING THE JOB, MAINTAIN ALL WORKING AREAS INCLUDING MATERIAL HANDLING, STAGING AREAS, ENTRIES, EXITS, FIELD OFFICE, AND TOOL BOX AREAS FREE FROM RUBBISH AND DEBRIS. RUBBISH AND DEBRIS SHALL BE REMOVED FROM PREMISES DAILY. ALL AREAS SHALL BE KEPT BROOM CLEAN. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THEIR OWN DEBRIS. CONTRACTOR SHALL BE RESPONSIBLE TO CLEAN ANY DIRT/DUST THAT THE DEMOLITION AND CONSTRUCTION WORK FROM THIS PROJECT CAUSES IN OTHER AREAS OF THE FACILITY. AT THE COMPLETION OF THE PROJECT, ALL SURFACES SHALL BE LEFT CLEAN AND UNDAMAGED.
- ANY DAMAGE DONE TO EXISTING BUILDING COMPONENTS, OWNER'S EQUIPMENT AND/OR UTILITIES DURING DEMOLITION AND/OR CONSTRUCTION SHALL BE REPLACED OR REPAIRED (PROMPTLY) TO ORIGINAL CONDITION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. CONTRACTOR SHALL MATCH FINISHES/MATERIALS IN ALL AREAS AFFECTED BY WORK.
- CONTRACTOR SHALL INFORM OWNER OF SUSPECTED HAZARDOUS MATERIALS IN PROJECT AREA. OWNER SHALL BE RESPONSIBLE FOR HIRING AND PAYING FOR A TESTING AGENCY TO TEST ALL OF THE SUSPECTED HAZARDOUS MATERIALS. TESTING SHALL BE REQUIRED AT OLDER PIPE INSULATION, PAINTED AREAS WHERE LEAD PAINT MAY HAVE BEEN USED, ETC. OWNER SHALL BE RESPONSIBLE FOR THE REMOVAL OF HAZARDOUS MATERIALS.
- EACH CONTRACTOR SHALL COORDINATE ALL OF THEIR WORK WITH THAT OF OTHER TRADES.
- ALL WORK SHALL BE GUARANTEED INCLUDING LABOR AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM TIME OF FINAL ACCEPTANCE BY OWNER.

**SCOPE OF WORK**

- PFIZER HAS PURCHASED A HAMILTON BIOS SYSTEM (LR20 UNIT) CONSISTING OF AN AUTOMATED SAMPLE STORAGE SYSTEM SPECIFICALLY DESIGNED FOR THE RETENTION OF SENSITIVE BIOLOGICAL SAMPLES WITH AN OPERATING TEMPERATURE OF -80 DEGREE CELSIUS. THIS BIOS SYSTEM WILL SUPPORT VACCINE RESEARCH ACTIVITIES CURRENTLY BEING CONDUCTED WITHIN PFIZER'S BUILDING 222, LOCATED IN PEARL RIVER, NEW YORK. THE NEW BIOS UNIT WILL COMPLEMENT AN EXISTING BIOS UNIT THAT WAS PREVIOUSLY INSTALLED ON THE SITE IN 2017. THIS PROJECT WILL ADD A BUILDING ADDITION TO THE EXISTING BIOS BUILDING THAT WILL BE SIZED TO ACCOMMODATE THE NEW BIOS UNIT INCLUDING MECHANICAL AND ELECTRICAL SUPPORT SYSTEMS. THE NEW BUILDING ELEVATIONS WILL CLOSELY MATCH THOSE OF THE EXISTING BIOS BUILDING. THE NEW BUILDING ADDITION WILL BE ACCESSIBLE DIRECTLY FROM BUILDING 222.
- A MINOR PORTION OF THE FIRST FLOOR OF BUILDING 222 WILL BE DEMOLISHED AND RENOVATED TO PROVIDE DIRECT ACCESS TO THE NEW BUILDING ADDITION.
- THE NEW BIOS SYSTEM SHALL BE PROCURED BY PFIZER AND WILL BE ASSEMBLED BY THE EQUIPMENT VENDOR. FINAL UTILITY CONNECTIONS SHALL BE PERFORMED BY THE CONTRACTOR.
- THE PROJECT WILL REQUIRE THE RELOCATION OF A 6,000 GALLON LN2 TANK AND THE INSTALLATION OF A NEW 30 TON CO2 TANK.
- THE EXISTING STORM WATER MANAGEMENT SYSTEM WILL BE RECONFIGURED TO ACCOMMODATE THE CONSTRUCTION OF THE NEW BUILDING ADDITION.
- A DEDICATED HVAC SYSTEM SHALL BE INSTALLED TO COOL AND HEAT THE NEW BUILDING ADDITION.
- THE ARCHITECTURAL WORK WILL INCLUDE DEMOLITION AND NEW CONSTRUCTION WITHIN THE PROJECT AREA AND AS SHOWN ON THE CONSTRUCTION DOCUMENTS. ADDITIONAL REMOVALS AND INSTALLATIONS WILL BE REQUIRED TO FACILITATE CONNECTIONS TO THE EXISTING UTILITIES LOCATED OUTSIDE OF THE AREA OF WORK. CONTRACTOR SHALL COORDINATE THE EXTENT OF UTILITY INSTALLATIONS WITH THE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS.

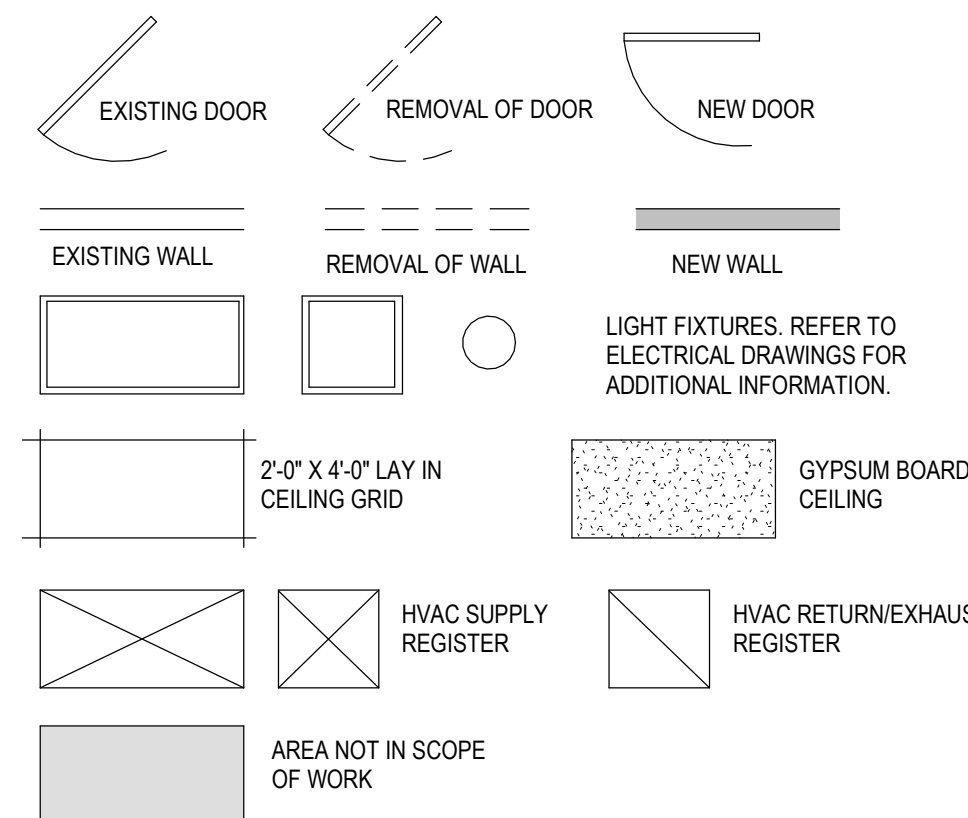
**LEGEND**



**ABBREVIATIONS**

A - ACT	ACOUSTICAL CEILING TILE	L - LABORATORY
ADDL - ADDITIONAL		LAM - LAMINATE
ADJ - ADJUSTABLE		LKR - LOCKER
AFF - ABOVE FINISH FLOOR		LT - LIGHT
ALUM - ALUMINUM		M - MAXIMUM
APPROX - APPROXIMATE		MB - MACHINE BOLT
ARCH - ARCHITECTURAL		MSP - MESH ROOM HOLDER
AV - AUDIO VISUAL		MTL - METAL
		MFR - MANUFACTURER
		MN - MINIMUM
		MISC - MISCELLANEOUS
		MTD - MOUNTED
		MUL - MULLION
		N - NORTH
		(N) - NEW
		NIC - NOT IN CONTRACT
		NO - NUMBER
		NOM - NOMINAL
		NR - NOT RATED
		NTS - NOT TO SCALE
		OA - OVERALL
		OC - ON CENTER
		OCC - OCCUPANCY
		OD - OUTSIDE DIAMETER (DIM.)
		OF - OWNER FURNISHED
		OFI - OWNER FURNISHED CONTRACTOR INSTALLED
		OFF - OFFICE
		OFI - OWNER FURNISHED OWNER INSTALLED
		OH - OPPOSITE HAND
		OPN - OPENING
		OPP - OPPOSITE
		P - PBD
		PEN - PENETRATIONS
		PL - PLATE
		PLAM - PLASTIC LAMINATE
		PLYWD - PLYWOOD
		PNL - PANEL
		PNT - PAINT
		PR - PAIR
		PT - POINT
		PTD - PAPER TOWEL DISPENSER
		PTN - PARTITION
		Q-R - RADIUS
		RB - RUBBER BASE
		REF - REFERENCE
		REQ - REQUIRED
		RESIL - RESILIENT
		RGTR - REGISTER
		RH - ROBE HOOK
		RM - ROOM
		RO - ROUGH OPENING
		S - SOUTH
		SCD - SEE CIVIL DRAWINGS
		SCHED - SCHEDULE
		SECT - SECTION
		SED - SEE ELECTRICAL DRAWINGS
		SHT - SHEET
		SIM - SIMILAR
		SK - SINK
		SMD - SEE MECHANICAL DRAWINGS
		SMS - SHEET METAL SCREW
		SPD - SEE PLUMBING DRAWINGS
		SPEC - SPECIFICATIONS
		SQ - SQUARE
		SSD - SEE STRUCTURAL DRAWINGS
		SSK - SERVICE SINK
		SST - STAINLESS STEEL
		ST - STORIES
		STD - STANDARD
		STL - STEEL
		STOR - STORAGE
		STR - STRUCTURAL
		SUSP - SUSPENDED
		T - THICK
		TO - TOP OF
		TYP - TYPICAL
		U-V - UNDER CABINET
		UN - UNLESS OTHERWISE NOTED
		UTIL - UTILITY
		VCT - VINYL COMPOSITE TILE
		VFD - VENDOR FURNISHED
		VERT - VERTICAL
		VIF - VERIFY IN FIELD
		W - WEST
		WD - WOOD
		WI - WITH
		W/O - WITHOUT
		WO - WHERE OCCURS
		X-Y-Z -

**ARCHITECTURAL MATERIAL SYMBOLS**

2 - PLANNING BOARD RESUBMISSION	E-W	WHD	2023.06.07
1 - FOR OWNER REVIEW	E-W	WHD	2023.06.05
0 - ISSUED FOR PERMIT	E-W	WHD	2023.02.22
Issued/Revision	By	Appd	YYYY/MM/DD

Permit/Seal  
  
 Client/Project Logo



Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
ARCHITECTURAL SYMBOLS AND ABBREVIATIONS

Project No. 191501254	Scale As indicated
Revision 2	Drawing No. A-001



### LIFE SAFETY LEGEND

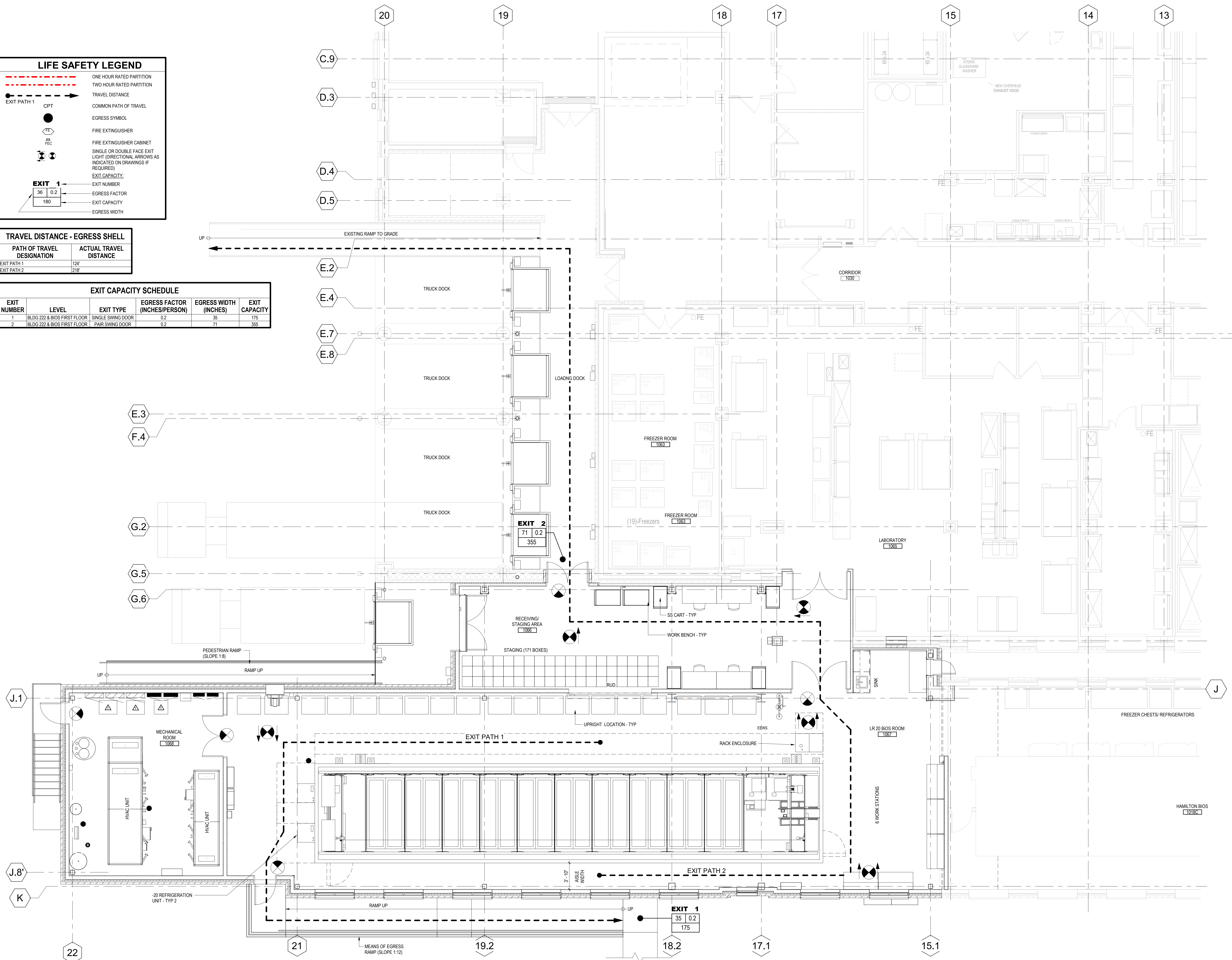
- ONE HOUR RATED PARTITION
- TWO HOUR RATED PARTITION
- TRAVEL DISTANCE
- COMMON PATH OF TRAVEL
- EGRESS SYMBOL
- FIRE EXTINGUISHER
- FIRE EXTINGUISHER CABINET
- SINGLE OR DOUBLE FACE EXIT LIGHT (DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS IF REQUIRED)
- EXIT CAPACITY
- EXIT NUMBER
- EGRESS FACTOR
-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

### TRAVEL DISTANCE - EGRESS SHELL

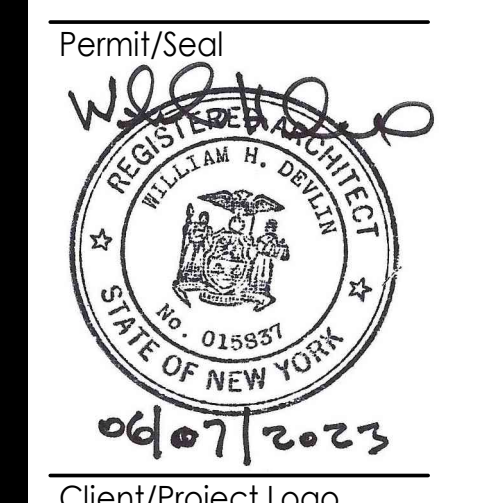
PATH OF TRAVEL DESIGNATION	ACTUAL TRAVEL DISTANCE
EXIT PATH 1	124'
EXIT PATH 2	218'

### 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



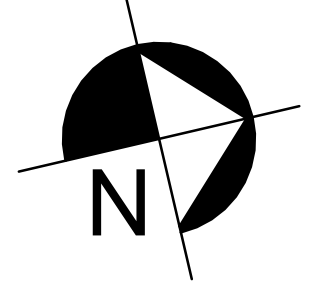
Rev	Description	Author	Design	Check	Date
2	PLANNING BOARD RESUBMISSION	EJW	WHD		2023.06.07
1	FOR OWNER REVIEW	EJW	WHD		2023.04.05
0	ISSUED FOR PERMIT	EJW	WHD		2023.02.22
	Issued/Revision	By	App'd		YYYYMMDD
	File Name: N/A	Author	Design	Check	02/20/23
		Dwn	Dgn	Chk	YYYYMMDD

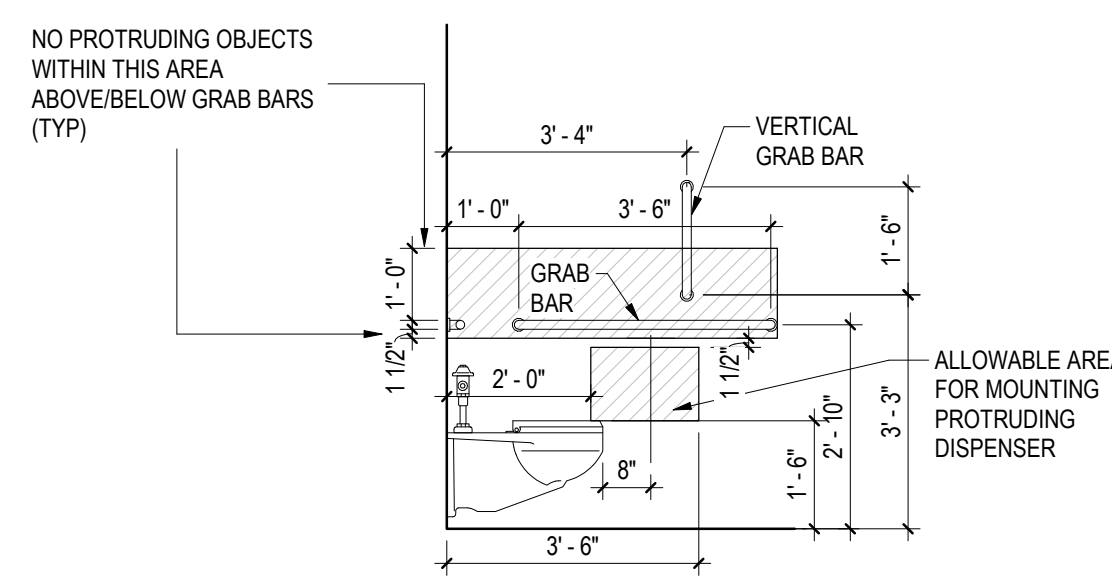


Client/Project  
Pfizer Global Research and Development  
Hamilton BiOS #2 Addition  
Pearl River, NY  
Title  
PARTIAL FIRST FLOOR LIFE SAFETY PLAN

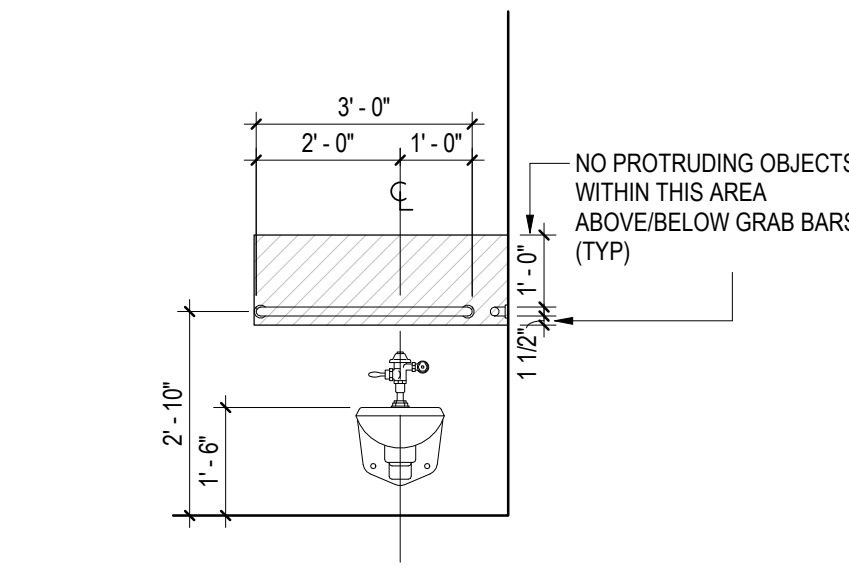
Project No.	Scale
191501254	As indicated
Revision	Drawing No.
2	A-002

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

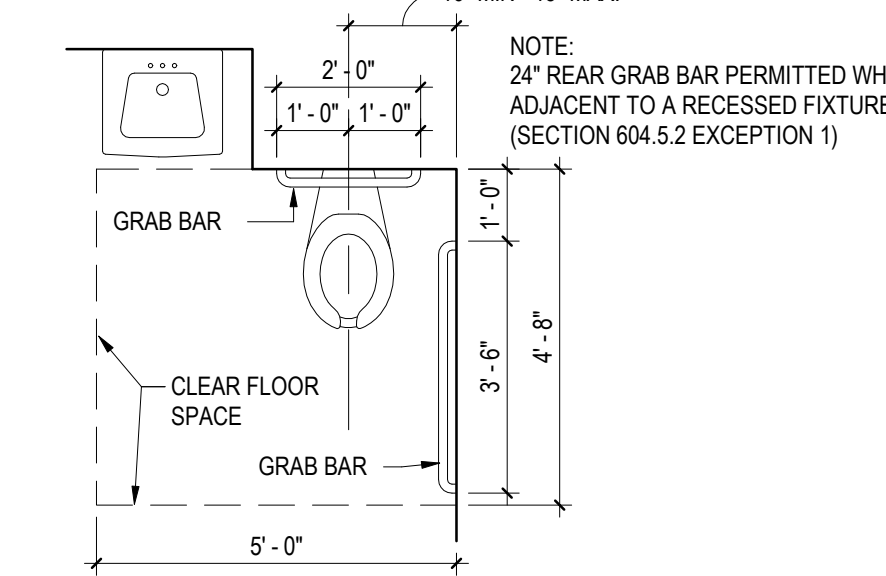




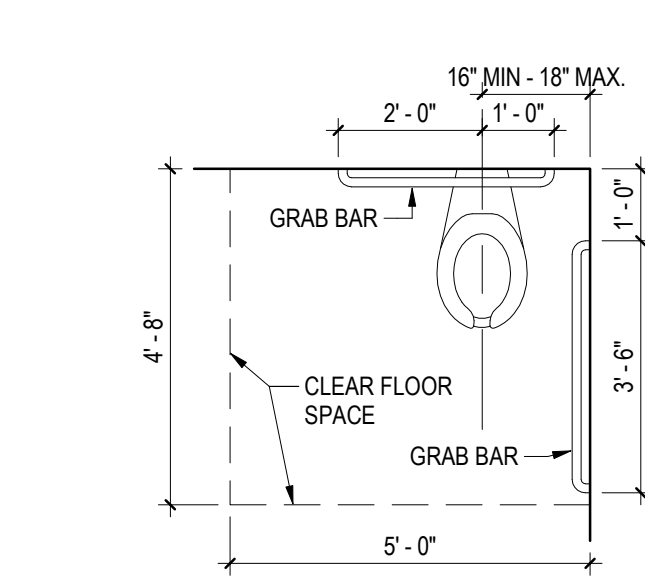
**1 TYPICAL H/C WATER CLOSET ELEV - SIDE**  
SCALE: 3/8" = 1'-0"



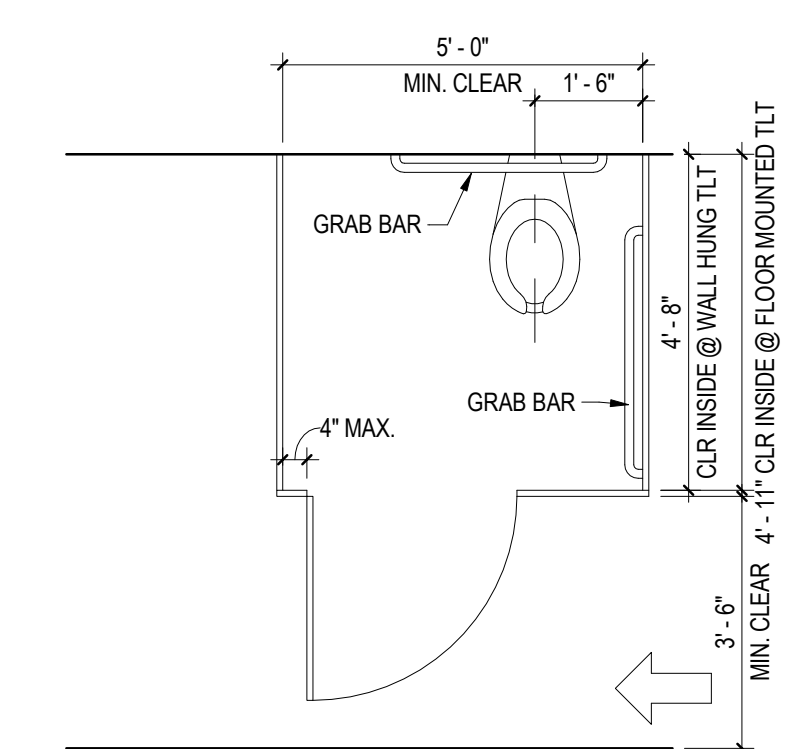
**2 TYPICAL H/C WATER CLOSET ELEV - FRONT**  
SCALE: 3/8" = 1'-0"



**3 TYPICAL H/C W/C @ RECESSED SINK/LAV**  
SCALE: 3/8" = 1'-0"

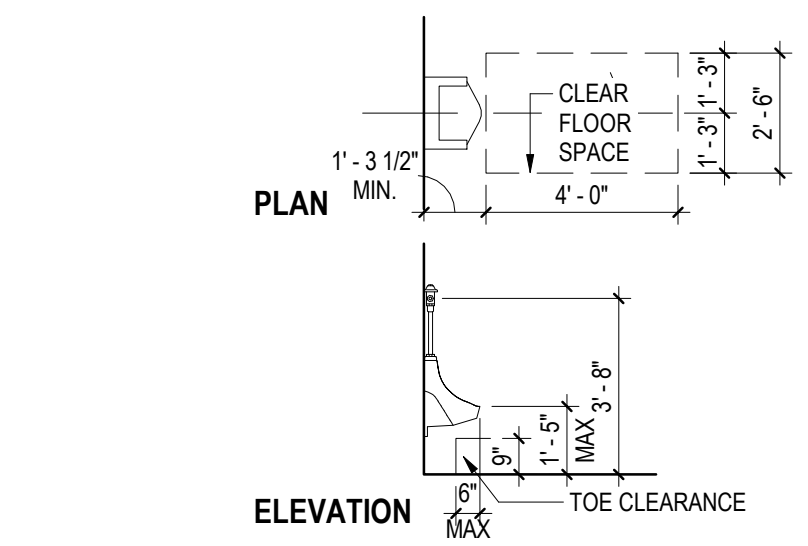


**4 TYPICAL H/C WATER CLOSET PLAN**  
SCALE: 3/8" = 1'-0"

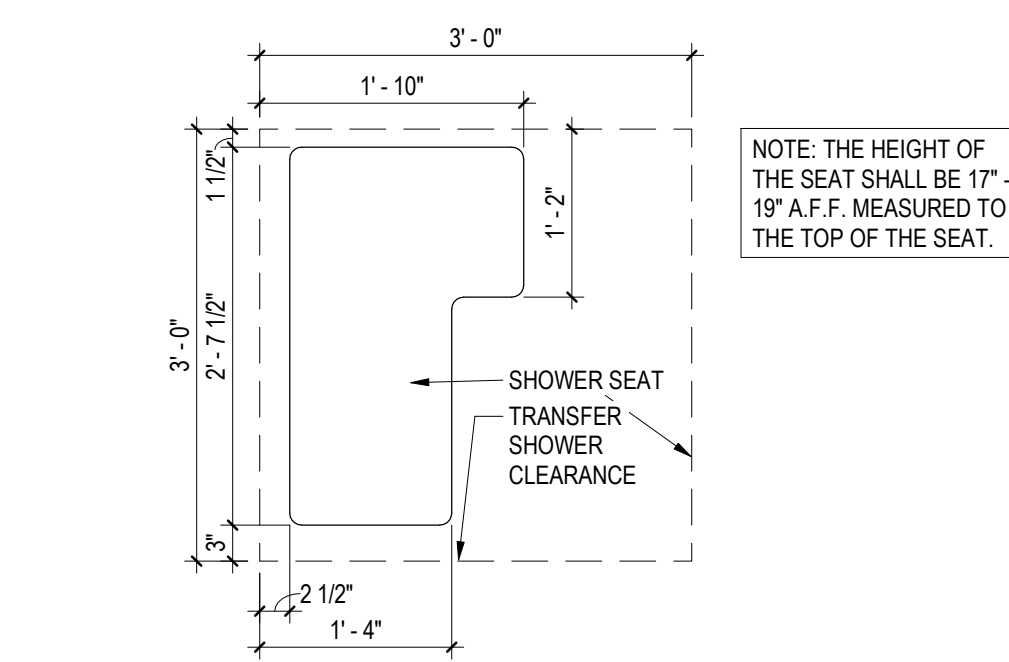


**5 TYPICAL H/C WATER CLOSET PLAN**  
SCALE: 3/8" = 1'-0"

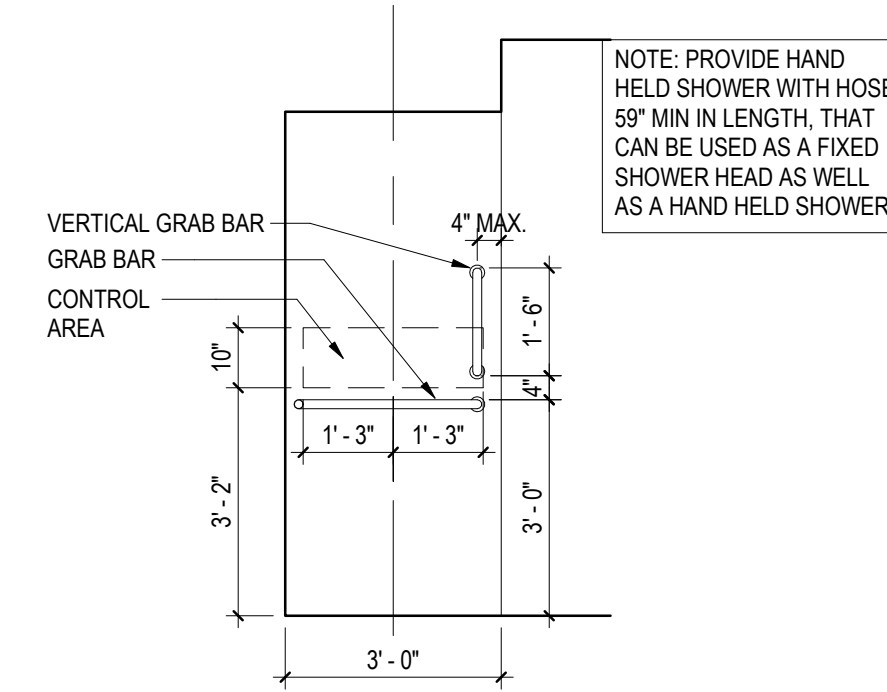
- TOILET ACCESSORIES NOTES:**
- G.C. TO SUPPLY AND INSTALL PIPE COVERS FOR ALL EXPOSED PIPING UNDER NEW LAVATORIES/SINKS.
  - G.C. TO SUPPLY AND INSTALL METAL BRACKETS OR APPROPRIATE BLOCKING NECESSARY FOR TOILET ACCESSORY INSTALLATION.
  - G.C. TO MAINTAIN FIRE RATING IF ACCESSORY IS RECESSED IN FIRE RATED PARTITION.



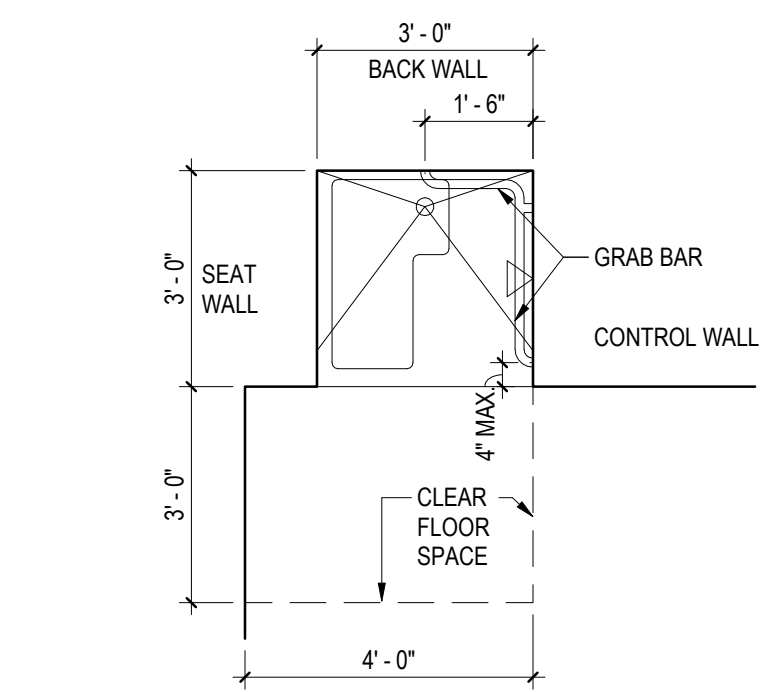
**6 TYPICAL H/C URINAL**  
SCALE: 1/4" = 1'-0"



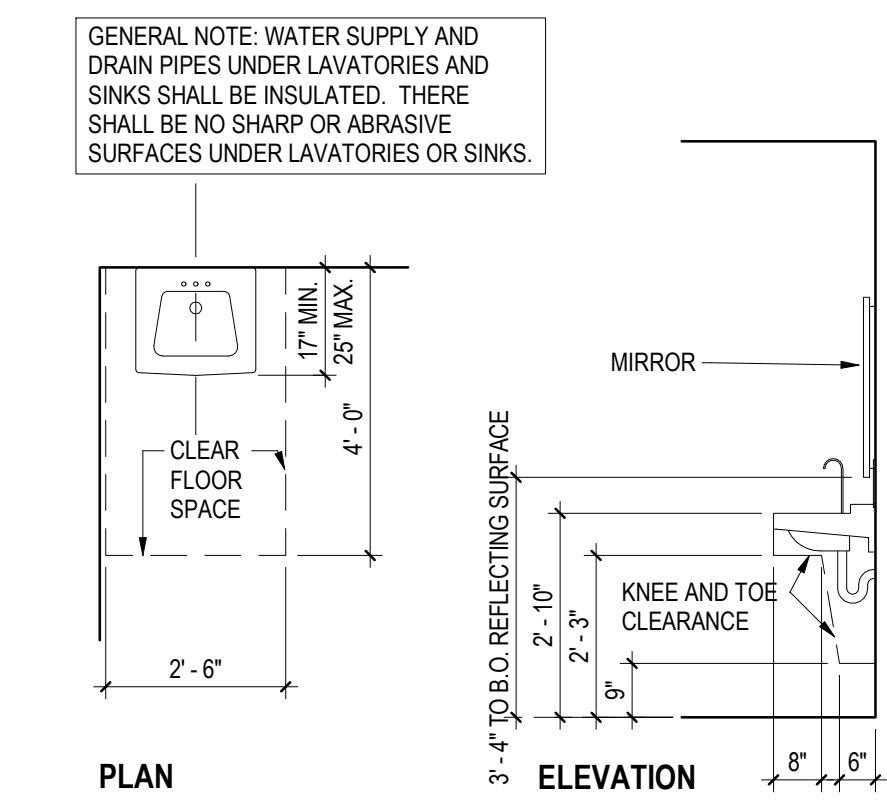
**7 TYPICAL H/C SHOWER SEAT**  
SCALE: 3/4" = 1'-0"



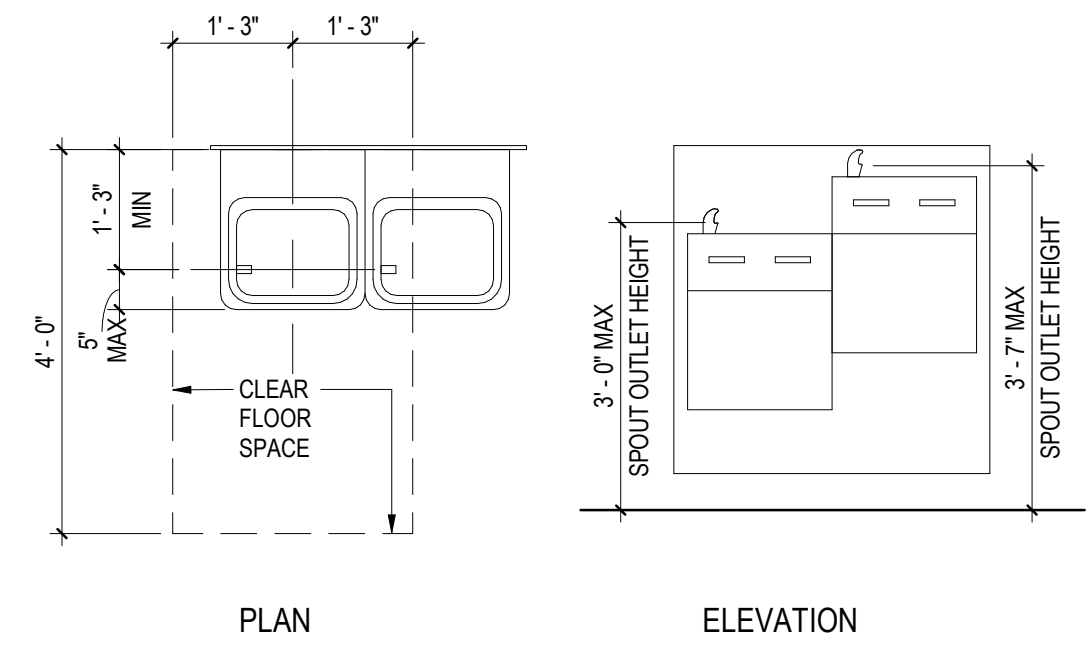
**8 TYPICAL H/C SHOWER (TRANSFER)**  
SCALE: 3/8" = 1'-0"



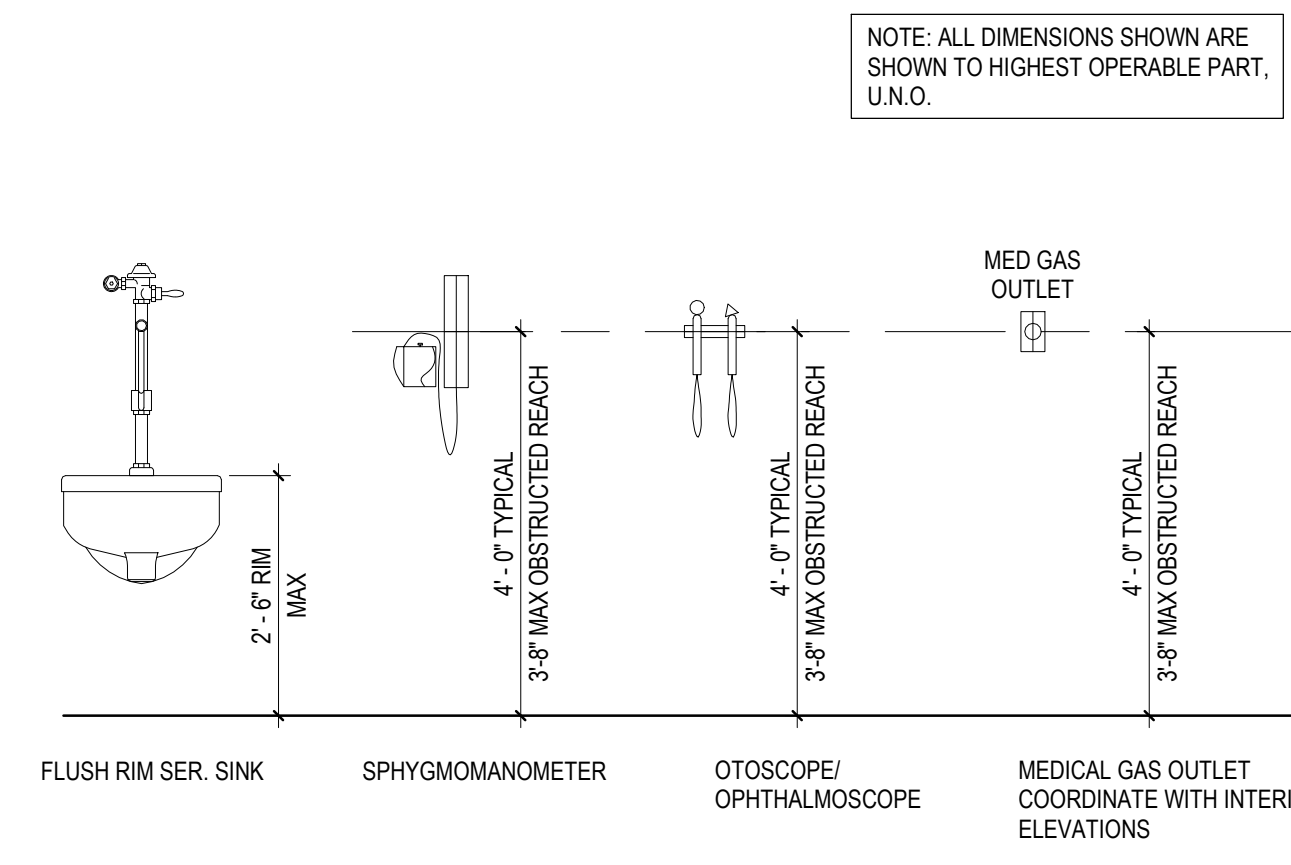
**9 TYPICAL H/C SHOWER PLAN (TRANSFER)**  
SCALE: 3/8" = 1'-0"



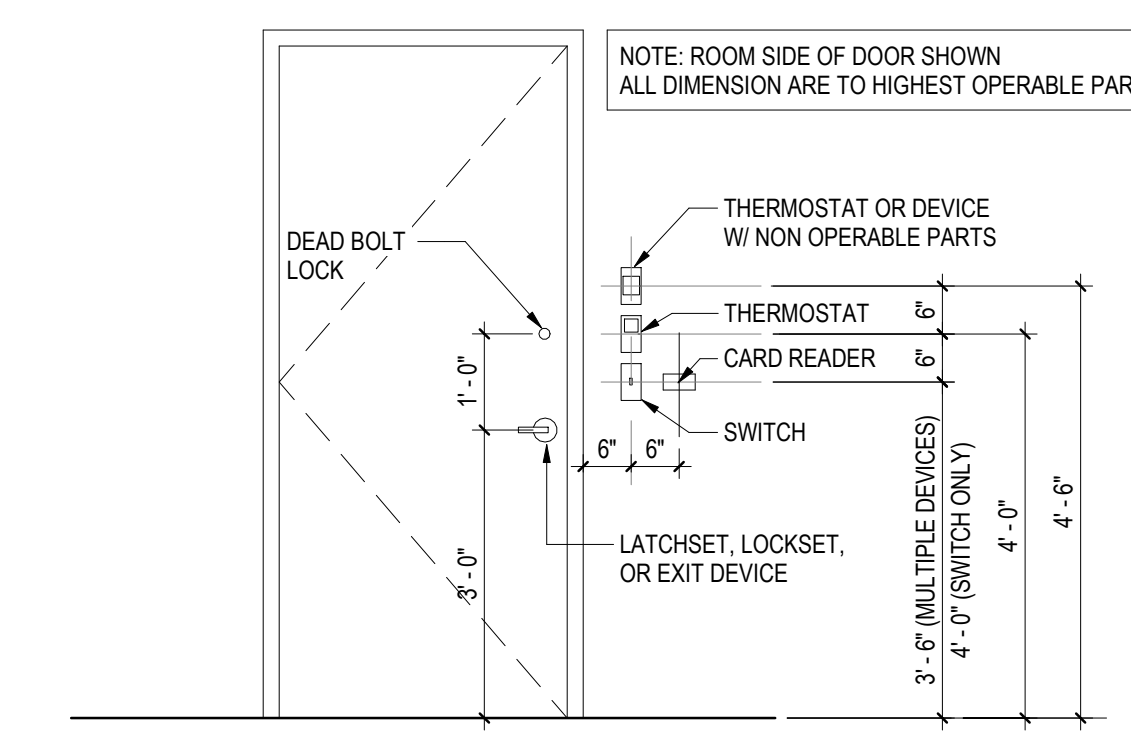
**10 TYPICAL H/C LAVATORY**  
SCALE: 3/8" = 1'-0"



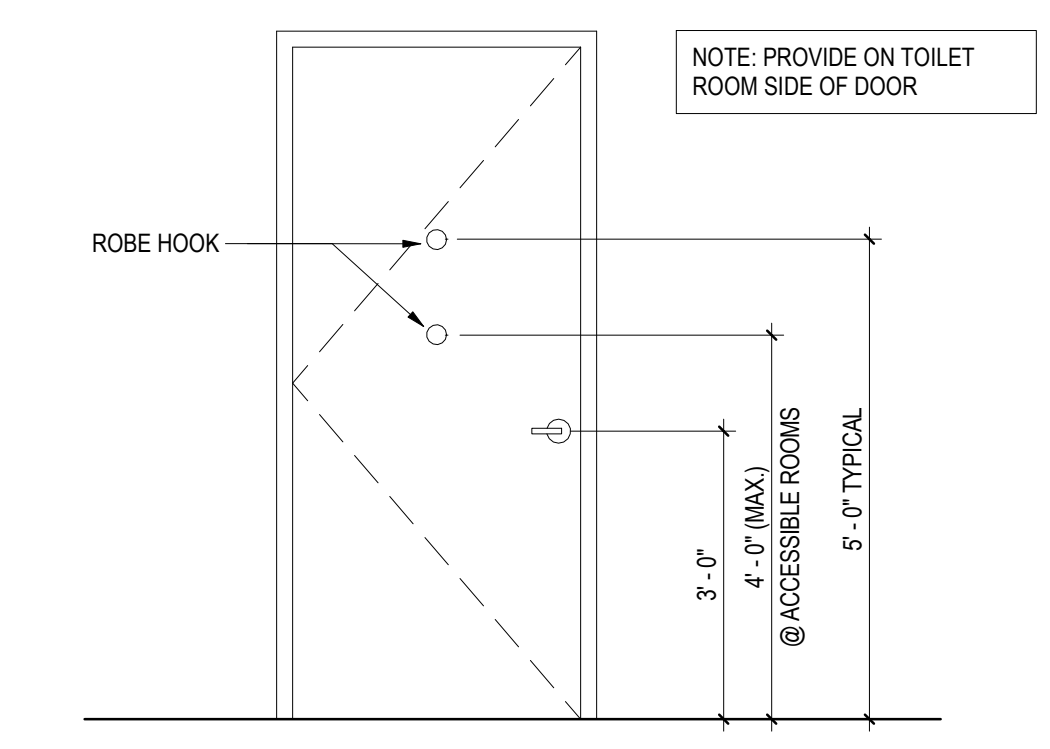
**11 TYPICAL H/C DRINKING FOUNTAIN**  
SCALE: 1/2" = 1'-0"



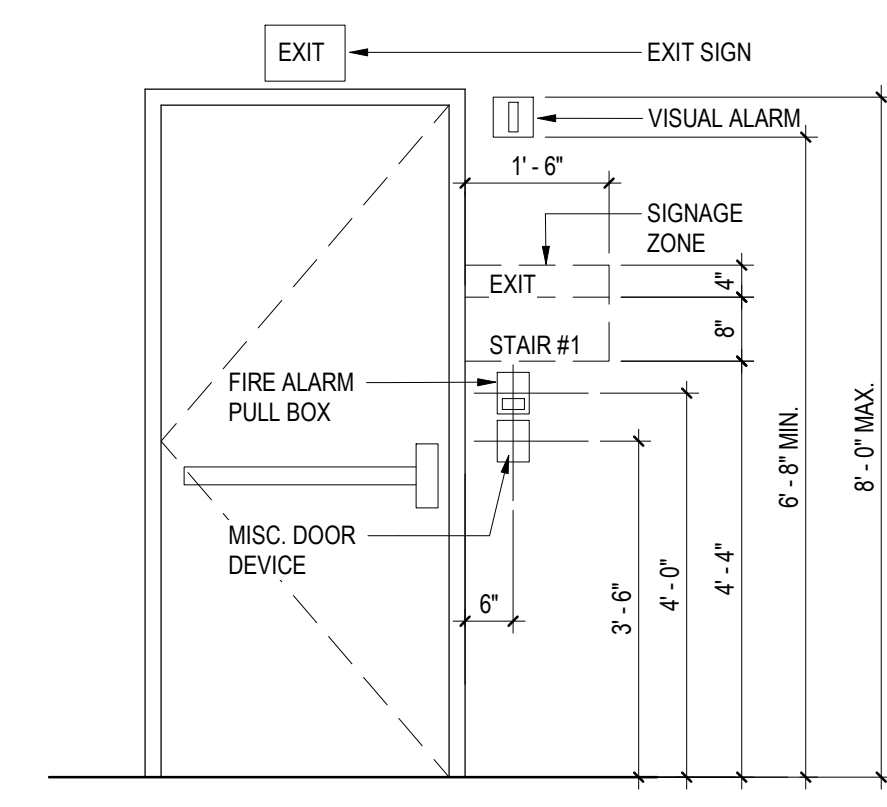
**12 TYPICAL MOUNTING HEIGHTS - MEDICAL EQUIPMENT**  
SCALE: 1/2" = 1'-0"



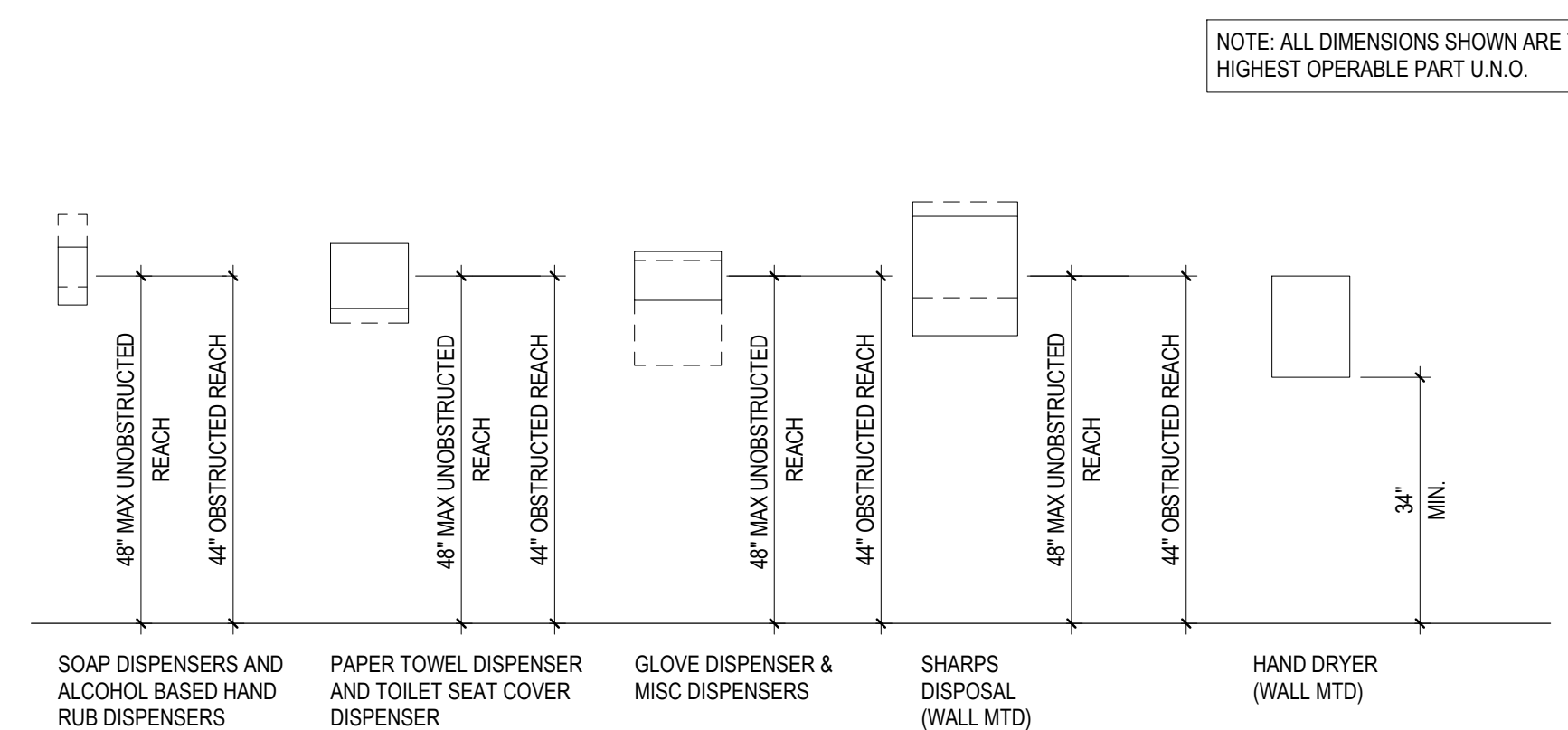
**13 TYPICAL MOUNTING HEIGHTS @ DOORS**  
SCALE: 1/2" = 1'-0"



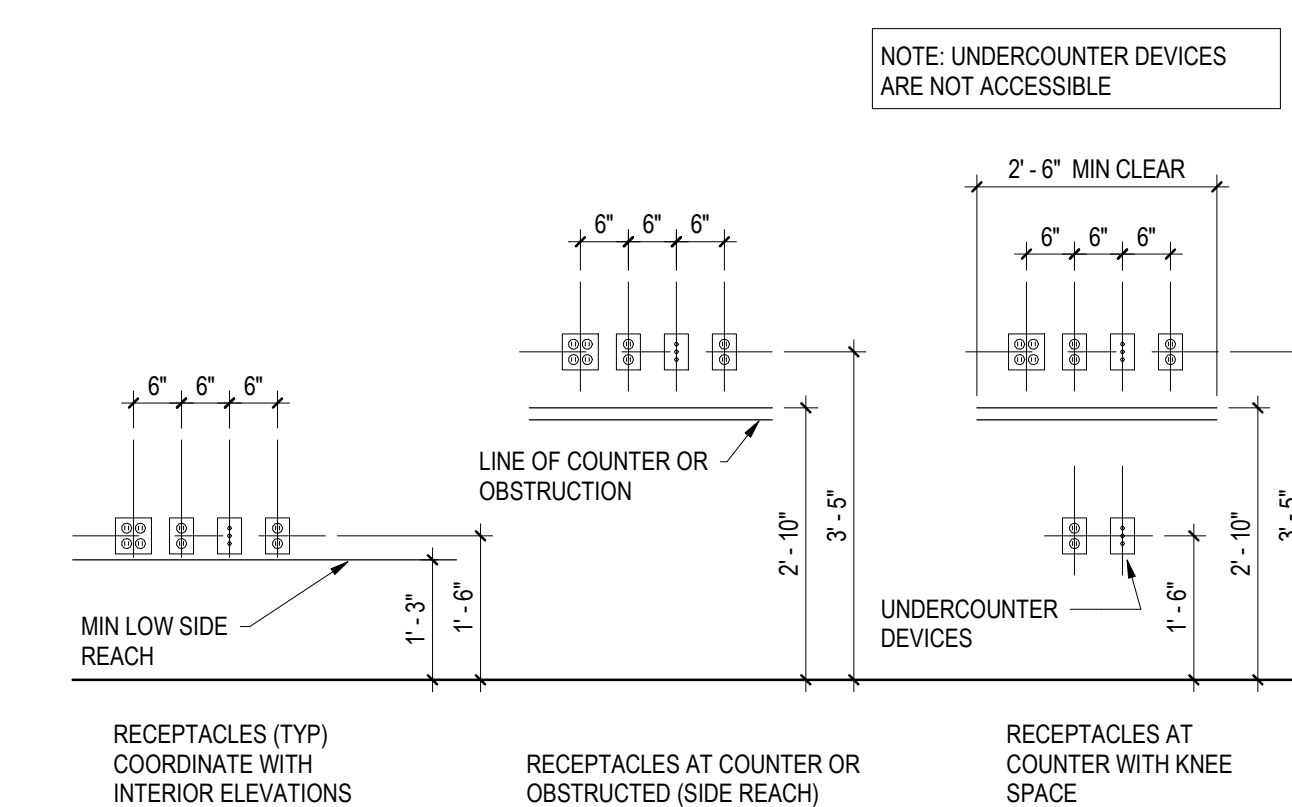
**14 TYPICAL TOILET ROOM DOOR**  
SCALE: 1/2" = 1'-0"



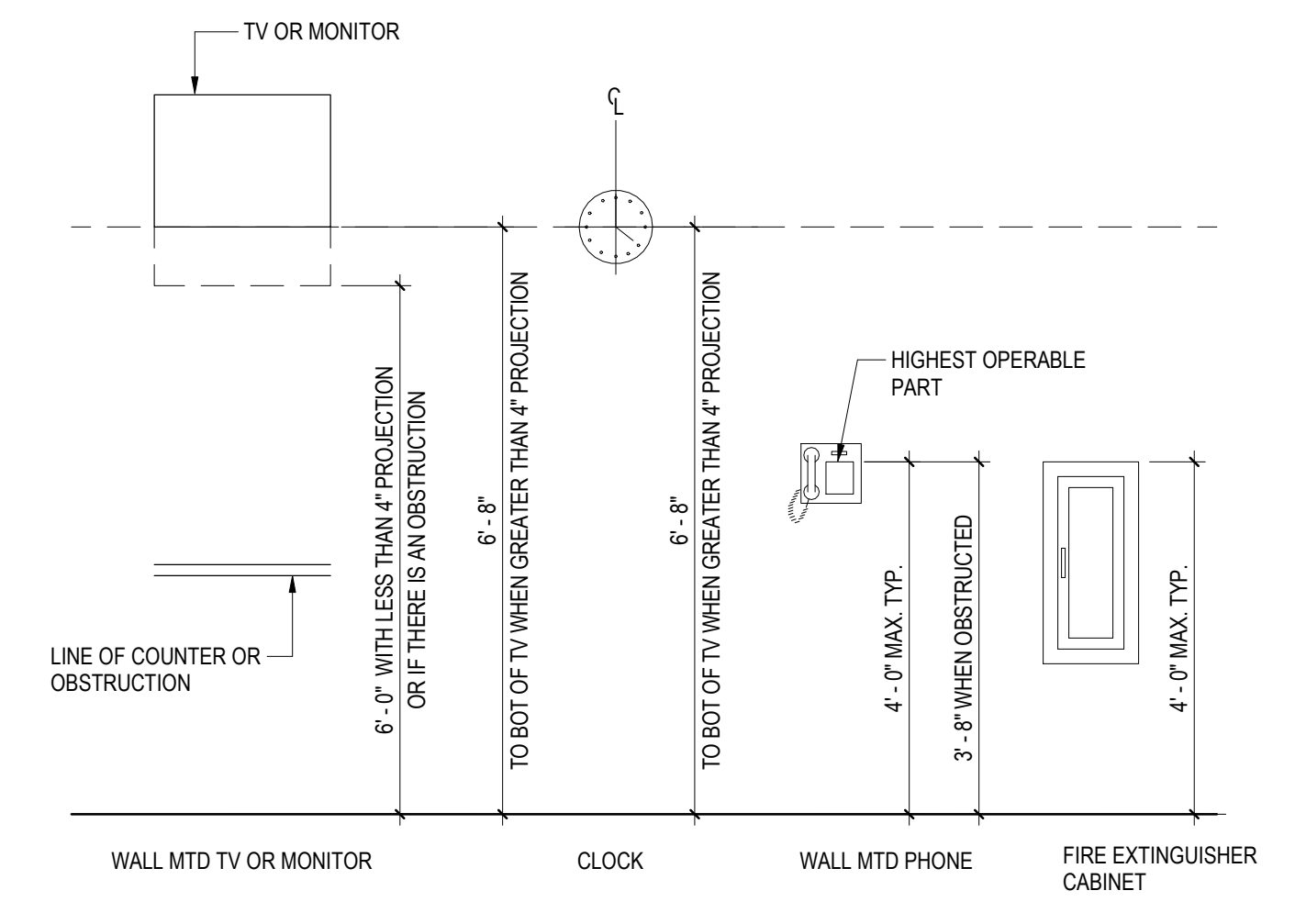
**15 TYPICAL MOUNTING HEIGHTS @ EXIT DOOR**  
SCALE: 1/2" = 1'-0"



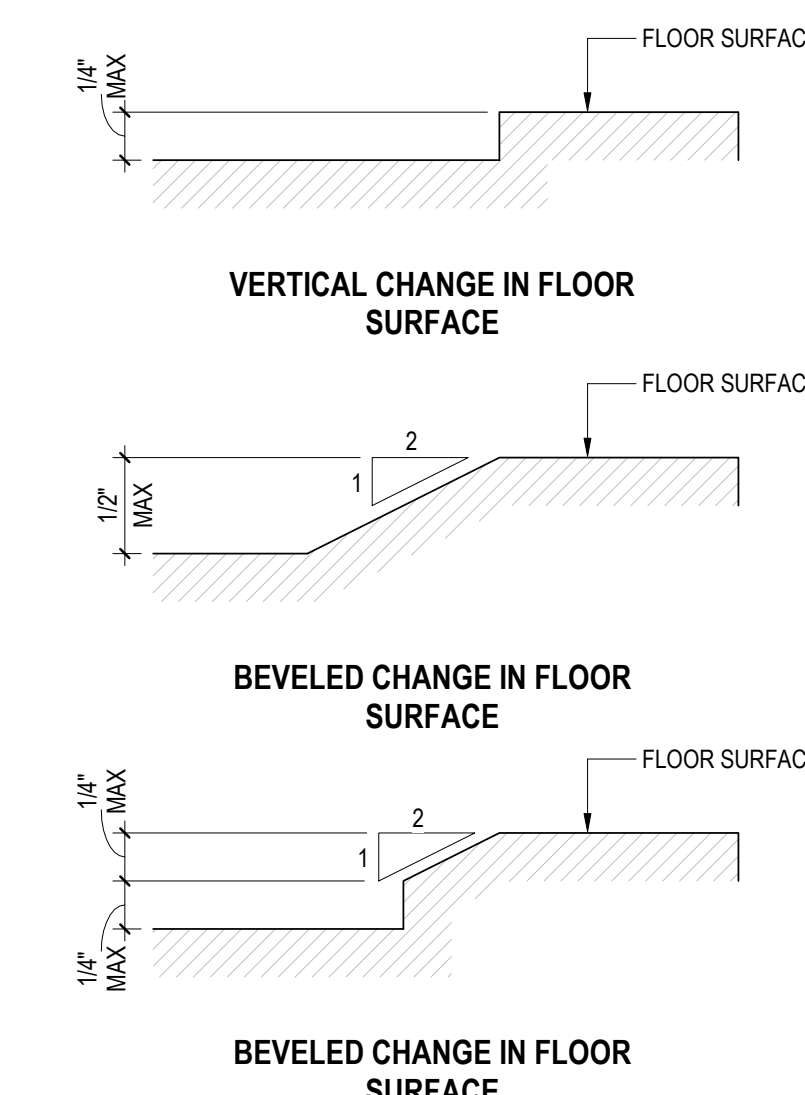
**16 TYPICAL MOUNTING HEIGHTS - DISPENSERS**  
SCALE: 1/2" = 1'-0"



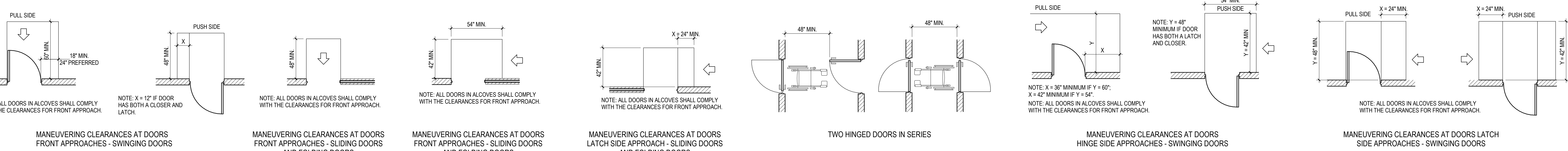
**17 TYPICAL MOUNTING HEIGHTS - DEVICES**  
SCALE: 1/2" = 1'-0"



**18 TYPICAL MOUNTING HEIGHTS - MISCELLANEOUS**  
SCALE: 1/2" = 1'-0"



**19 CHANGES IN FLOOR LEVEL**  
SCALE: 1/2" = 1'-0"



**20 ADA CLEARANCE DIAGRAMS**  
SCALE: 1/4" = 1'-0"

NO.	DESCRIPTION	DATE	BY	CHECKED
1	PLANNING BOARD SUBMISSION	2023.06.07	R.W.	W.H.D.
2	FOR OWNER REVIEW	2023.06.08	R.W.	W.H.D.
3	ISSUED FOR PERMIT	2023.07.22	R.W.	W.H.D.
4	ISSUED/REVISION	2023.07.22	Appd	YYYY.A.M.D.D

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Pearl River, NY

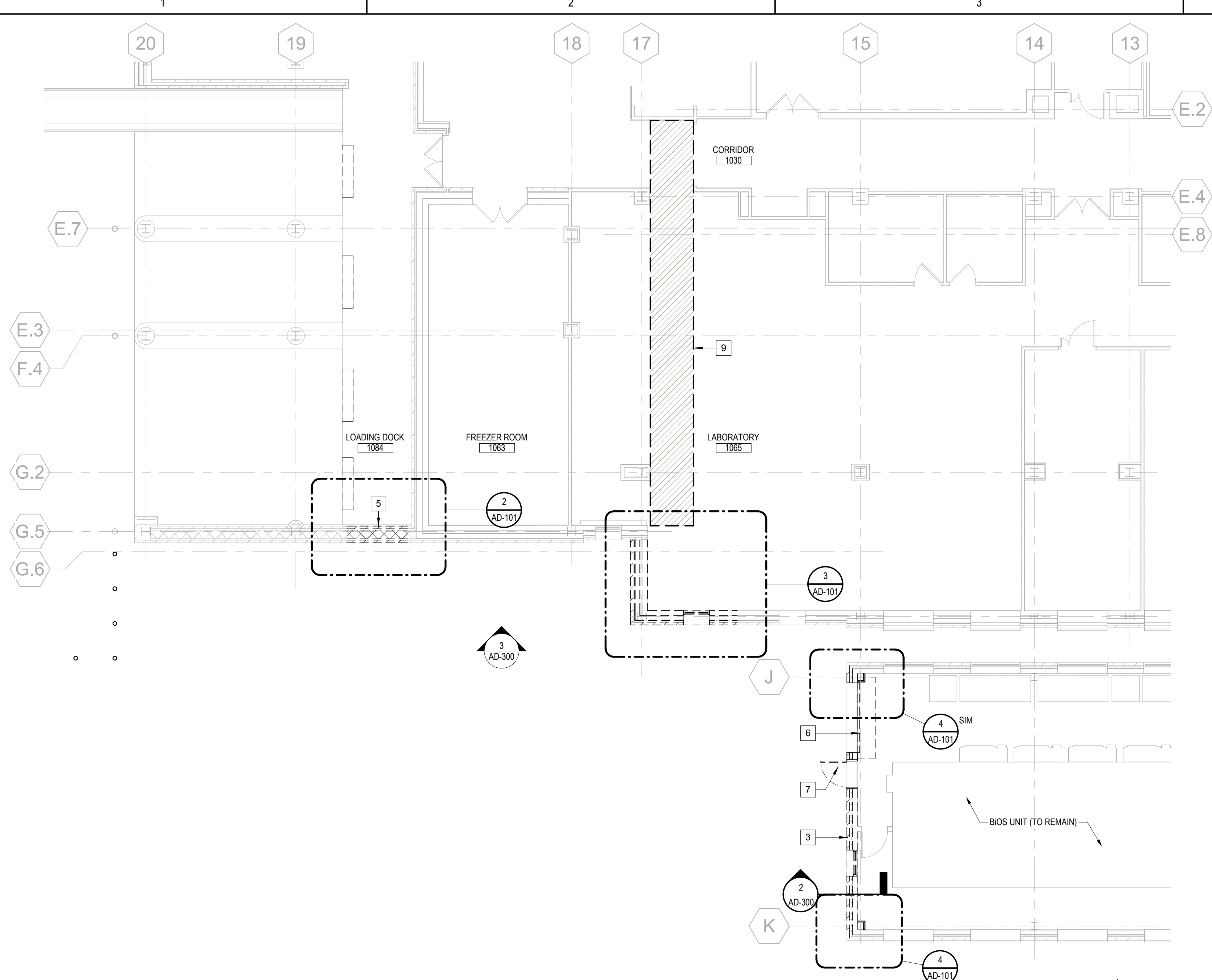
Title  
MOUNTING HEIGHTS AND ACCESSIBILITY DRAWINGS

**GENERAL DEMOLITION NOTES**

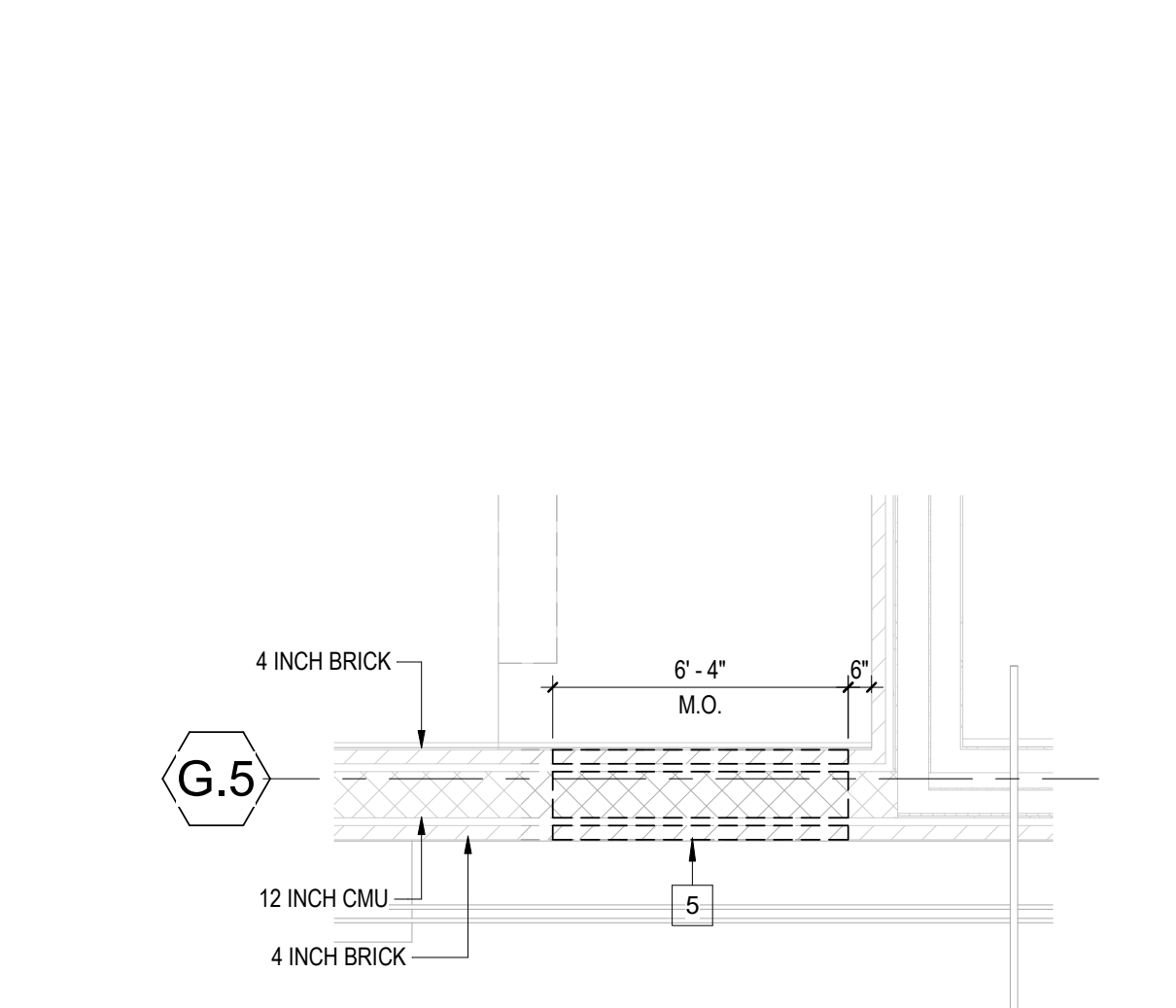
- CONTRACTOR SHALL COORDINATE WITH OWNER ITEMS TO BE STORED ON SITE FOR RE-USE AND ITEMS NOT HAVING ANY VALUE TO OWNER TO BE LEGALLY DISPOSED OFF SITE.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, STORAGE FACILITIES, SERVICES, AND SUPERVISION NECESSARY FOR THE COMPLETE AND SATISFACTORY DEMOLITION WORK AS INDICATED ON DRAWINGS AND SPECIFIED HEREIN.
- PRIOR TO SUBMISSION OF BID, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE EXISTING CONDITIONS, QUANTITIES, AND DIFFICULTIES THAT WILL BE INCURRED DURING THE PERFORMANCE OF WORK. CLAIMS FOR ADDITIONAL COMPENSATION THAT ARE DUE TO THE FAILURE OF THE CONTRACTOR TO EXAMINE THE PREMISES WILL NOT BE CONSIDERED.
- CONTRACTOR SHALL PROTECT EXISTING FACILITIES AS REQUIRED DURING DEMOLITION OF CEILINGS, PIPING SERVICES AND DUCTWORK. CONTRACTOR SHALL REPLACE AT HIS COST ANY DAMAGE INCURRED DURING DEMOLITION TO ANY EXISTING BUILDING COMPONENTS, WHICH ARE TO REMAIN.
- CONTRACTOR SHALL TEMPORARILY SUPPORT ELECTRICAL CONDUITS, PIPING, DUCTWORK AND OTHER SERVICES AND EQUIPMENT AFFECTED BY DEMOLITION WHICH ARE TO REMAIN.
- ALL EXTERIOR PENETRATIONS IN WALLS AND ROOF SHALL BE SEALED WATER TIGHT AND WEATHER TIGHT. CONTRACTOR TO CLEARLY MARK AND ERECT BARRIERS FOR ANY POTENTIALLY HAZARDOUS CONDITIONS, AND SHALL CONFORM TO ALL OSHA REGULATIONS.
- CONTRACTOR SHALL COORDINATE TEMPORARY STORAGE AND LAYDOWN LOCATIONS WITH OWNER. DEMOLITION CONTRACTOR SHALL FURNISH AND PAY FOR ALL DUMPSTERS AND DEBRIS REMOVAL.
- CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES FOR REQUIRED DEMOLITION WORK INCLUDING PROVISIONS FOR REQUIRED FLOOR WALL AND ROOF OPENINGS TO ACCOMMODATE NEW WORK.
- OWNER WILL BE RESPONSIBLE FOR REMOVAL OF HAZARDOUS MATERIAL IN PROJECT AREA, WHERE SUSPECTED HAZARDOUS MATERIAL IS ENCOUNTERED CONTRACTOR SHALL NOTIFY OWNER WHO WILL HAVE MATERIAL TESTED AND LEGALLY REMOVED.
- CONTRACTOR SHALL REMOVE ALL SUPPORTS AND HANGERS NO LONGER REQUIRED DUE TO DUCTWORK AND PIPING REMOVALS. ALL HANGERS FOR HUNG CEILING SHALL BE REMOVED.
- ELECTRICAL DISCONNECTIONS AND PANEL RELOCATIONS SHALL BE PERFORMED BY LICENSED CONTRACTOR AND COORDINATED BY GENERAL CONTRACTOR.
- CAPPING OF ALL PIPING SERVICES AND DISCONNECTIONS SHALL BE PERFORMED BY LICENSED PLUMBING CONTRACTOR AND COORDINATED BY GENERAL CONTRACTOR.
- ALL DEMOLITION AREAS SHALL BE CLEARLY MARKED WITH SIGNAGE AND PHYSICAL BARRIER AS PER OSHA AND OWNERS REQUIREMENTS TO INSURE SAFETY TO OWNERS PERSONNEL THROUGHOUT DEMOLITION PHASE OF WORK.
- CONTRACTOR SHALL FURNISH TEMPORARY LIGHTING AS REQUIRED IN ALL AREAS WHERE WORK IS BEING DONE.
- CONTRACTOR SHALL COORDINATE ALL REMOVALS WITH OWNERS SCHEDULE.
- NO EQUIPMENT, HVAC UNITS, SERVICE MAIN, ELECTRICAL PANELS AND SERVICES SHALL BE DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE OWNERS REPRESENTATIVE AND/OR ENGINEER TO CONFIRM THE AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF ANY AREA NOT WITHIN THE SCOPE WORK AREA AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE SHALL BE GIVEN TO THE OWNERS REPRESENTATIVE REGARDING THE PROPOSED SHUTDOWN, AND DURATION OF THE SHUTDOWN.
- CONCRETE SLAB SHALL BE PREPARED AS PER MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF NEW FLOOR FINISHES.
- WITHIN THE AREA OF WORK DEFINED BY THE DEMOLITION PLAN, THE SURFACE OF THE EXISTING CONCRETE SLAB SHALL BE FLASH PATCHED TO FILL IN ALL FASTENER HOLES, CHIPS AND POCKETS CREATED BY DEMOLITION WORK AND AS NEEDED TO PROVIDE A SMOOTH FLAT SURFACE READY TO RECEIVE NEW CONSTRUCTION.
- CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY (DUST TIGHT) BARRIERS, TEMPORARY PARTITIONS AND PROTECTIVE FLOOR COVERING SO TO PROTECT EXISTING FLOORS, WALLS, CEILINGS AND OWNERS EQUIPMENT. BARRIERS AND TEMPORARY PARTITIONS SHALL NOT BE REMOVED UNTIL COMPLETION OF PROJECT OR AS AGREED UPON BY OWNER.
- TEMPORARY PLASTIC SHEET BARRIERS: PARTITIONS SHALL BE CONSTRUCTED WITH SPRING LOADED POLES WITH NON-SLIP PADS AND 6 MIL REINFORCED FLAME RETARDANT CLEAR PLASTIC SHEETING. CLEAR PLASTIC SHEETING IS REQUIRED TO AREA OF WORK, PARTITIONS SHALL INCORPORATE DOORWAYS WITH ZIPPER SEAMS. PARTITIONS SHALL EXTEND FROM FINISHED FLOOR TO UNDERSIDE OF EXISTING CEILING TO REMAIN.
- SPRINKLER PIPING SHALL BE TAKEN OUT OF SERVICE SECTION BY SECTION, TO THE EXTENT PRACTICAL. THE BUILDING SPRINKLER SYSTEM SHALL BE RESTORED TO FULL OPERATING CONDITION AT THE END OF EACH WORK DAY.
- THE STORAGE OF COMBUSTIBLE MATERIALS SHALL NOT BE PERMITTED IN ANY AREA WHERE THE SPRINKLER SYSTEM HAS BEEN TEMPORARILY SHUTDOWN.

**DEMOLITION KEYED NOTES**

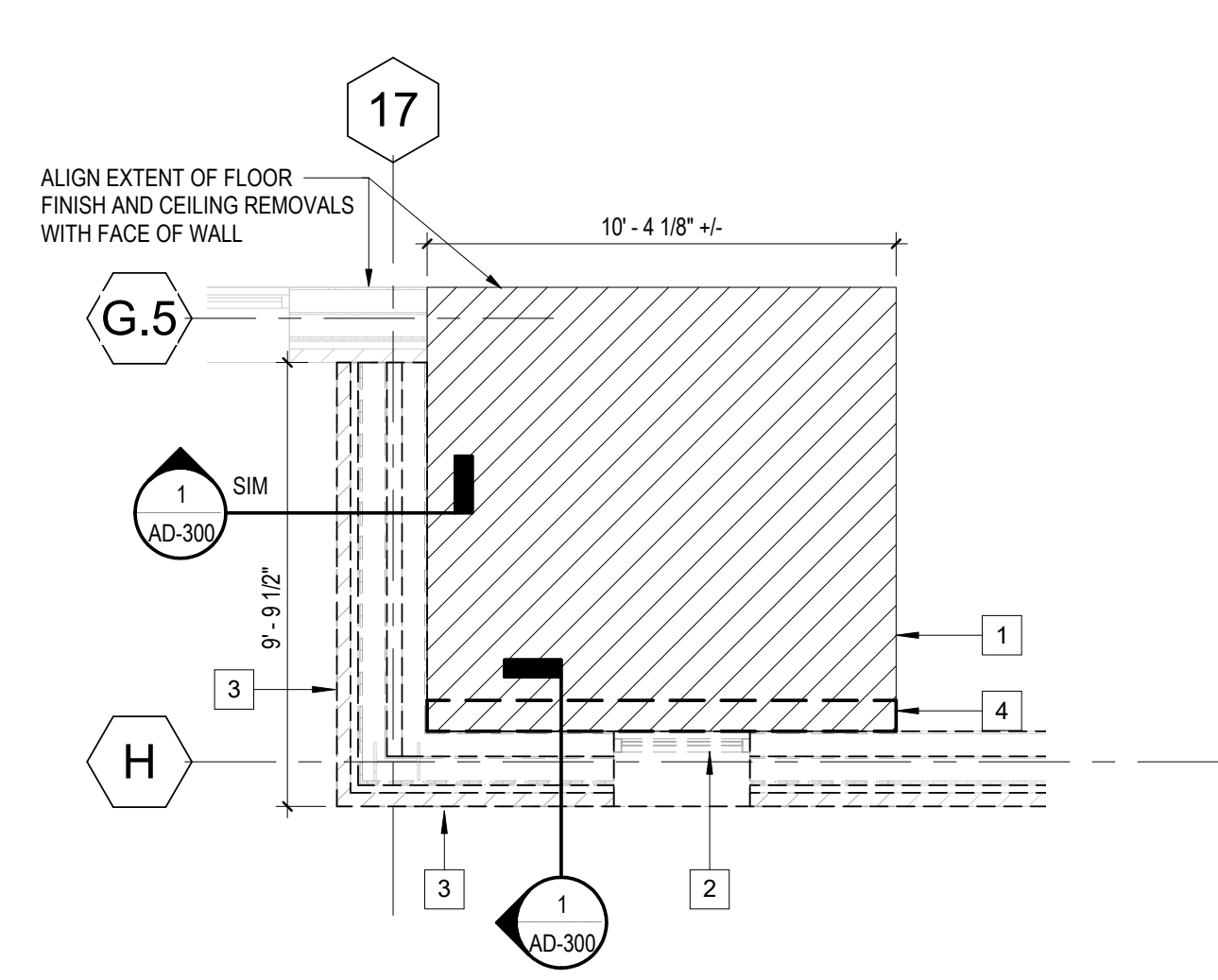
- WITHIN HATCHED AREA, REMOVE FLOOR FINISH AND CEILING SYSTEM INCLUDING LIGHTING FIXTURES. FURNISH AND INSTALL TEMPORARY WIRE HANGERS TO SUPPORT OPEN EDGE OF CEILING TO REMAIN FOLLOWING REMOVALS.
- DEMOLISH & REMOVE ALUM. AND GLASS WINDOW INCLUDING LINTEL AND SILL.
- REMOVE PORTION OF EXTERIOR BRICK AND METAL STUD WALL CONSTRUCTION AS SHOWN ON THE DEMOLITION PLAN AND THE DEMOLITION WALL SECTIONS.
- REMOVE PORTION OF PERIMETER HEATING SYSTEM. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK.
- REMOVE PORTION OF BRICK AND CMU WALL FOR THE INSTALLATION OF A PAIR OF 6'-0" X 7'-0" HM METAL DOORS, FRAME AND LINTEL. THE NEW FRAME WILL BE FURNISHED WITH 4 INCH HIGH HEAD.
- ROLLING STEEL DOOR AND FRAME TO BE REMOVED AND HAULED AWAY.
- HM SWING DOOR AND FRAME TO BE REMOVED.
- EDGE OF BRICK TO REMAIN SHALL ALIGN WITH FACE OF BENT PLATE AT ROOF LEVEL RUNNING PARALLEL WITH COLUMN LINE 15. CONTRACT TO CONFIRM THE LOCATION OF THE BENT PLATE AND SHALL ADJUST THE DIMENSION ACCORDINGLY.
- REMOVE PORTION OF EXISTING CEILING AND LIGHTING FIXTURES AS NEEDED TO ACCOMMODATE THE INSTALLATION OF NEW PIPING. REFER TO MECHANICAL DRAWINGS FOR EXTENT OF NEW PIPING INSTALLATIONS.



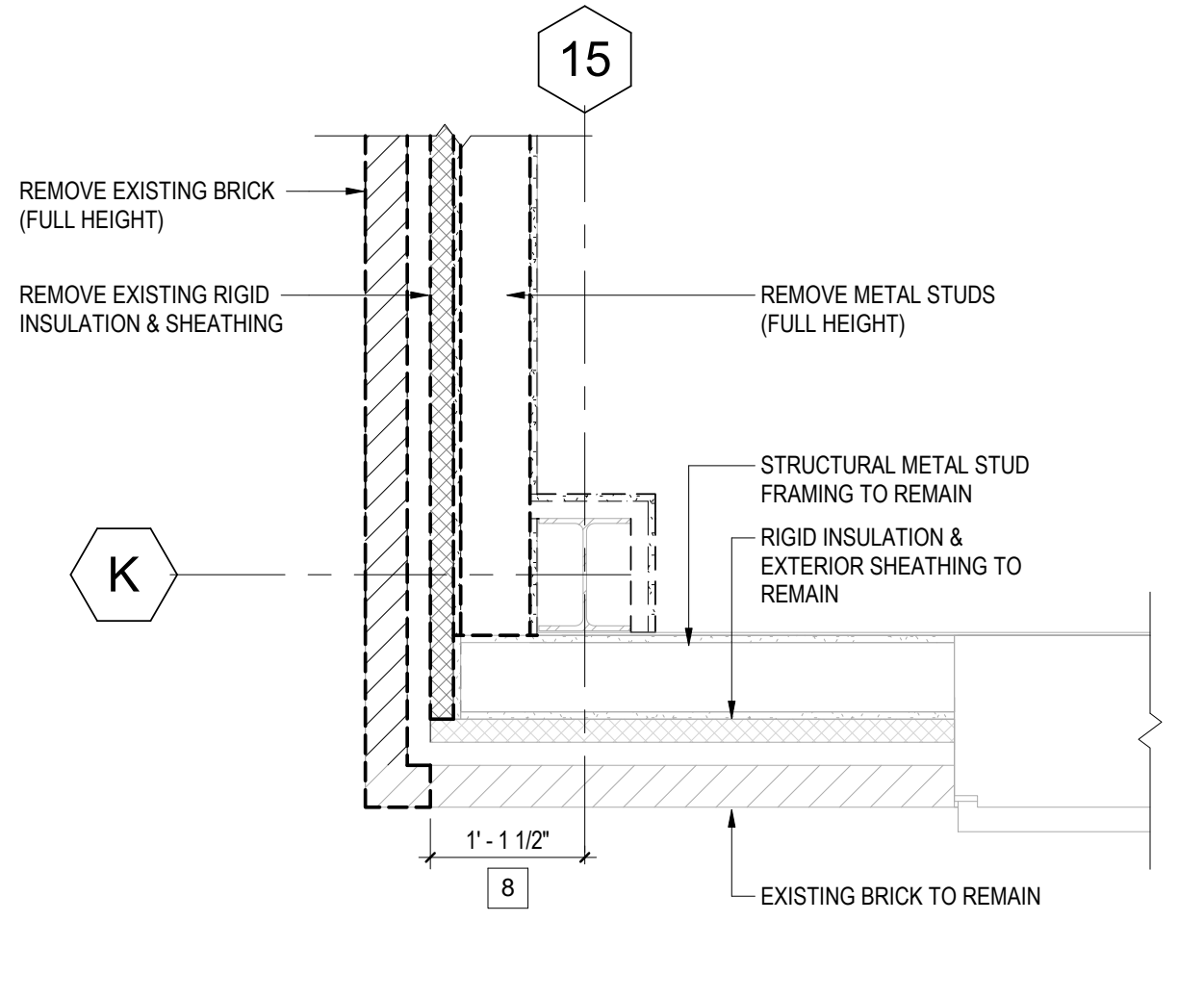
**1 ARCHITECTURAL PARTIAL FIRST FLOOR DEMOLITION PLAN**  
AD-101 SCALE: 1/8" = 1'-0"



**2 ENLARGED PARTIAL DEMOLITION PLAN**  
AD-101 SCALE: 1/4" = 1'-0"



**3 ENLARGED PARTIAL DEMOLITION PLAN**  
AD-101 SCALE: 1/4" = 1'-0"



**4 DEMOLITION DETAIL @ EXTERIOR WALL**  
AD-101 SCALE: 3/4" = 1'-0"

Rev	Description	By	App'd	Date
1	FOR OWNERS REVIEW	EJW	WHD	2023.04.05
0	ISSUED FOR PERMIT	EJW	WHD	2023.02.22
	Issued/Revision		App'd	YYYY.MM.DD

Permit/Seal

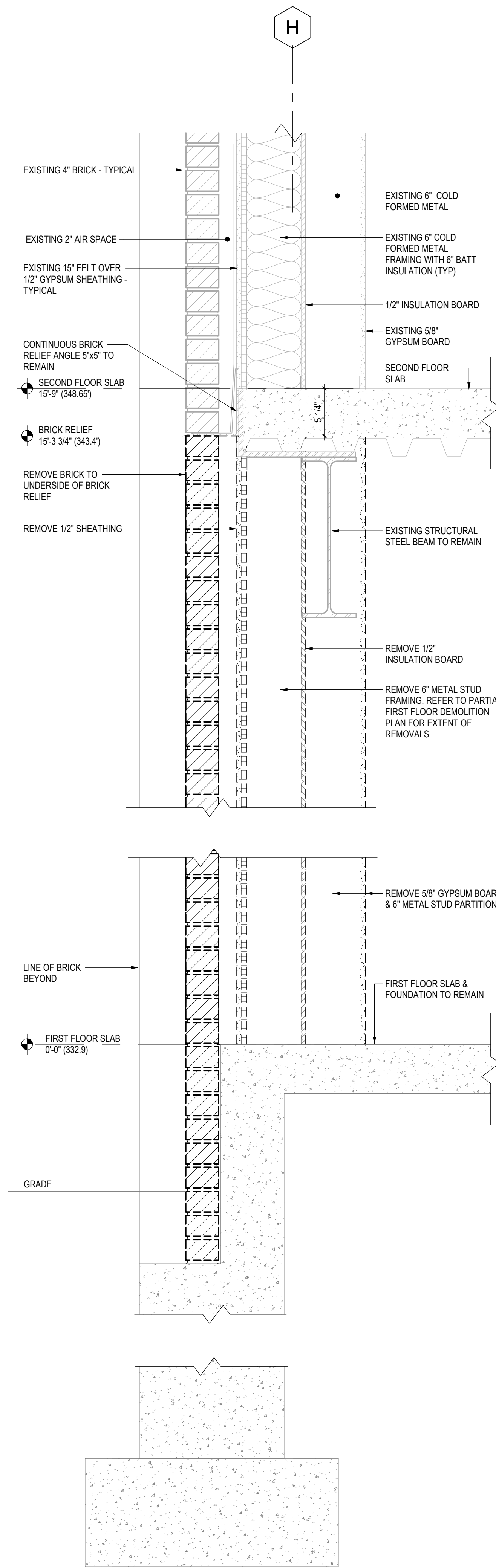


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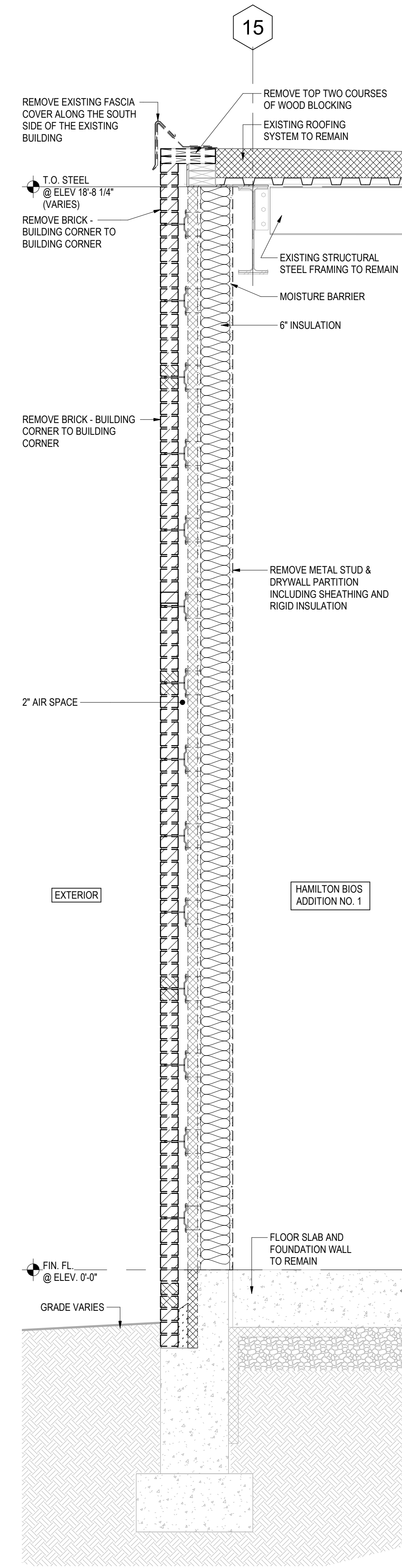
Hamilton BiOS #2 Addition  
Pearl River, NY

Title  
ARCHITECTURAL PARTIAL FIRST FLOOR DEMOLITION PLANS

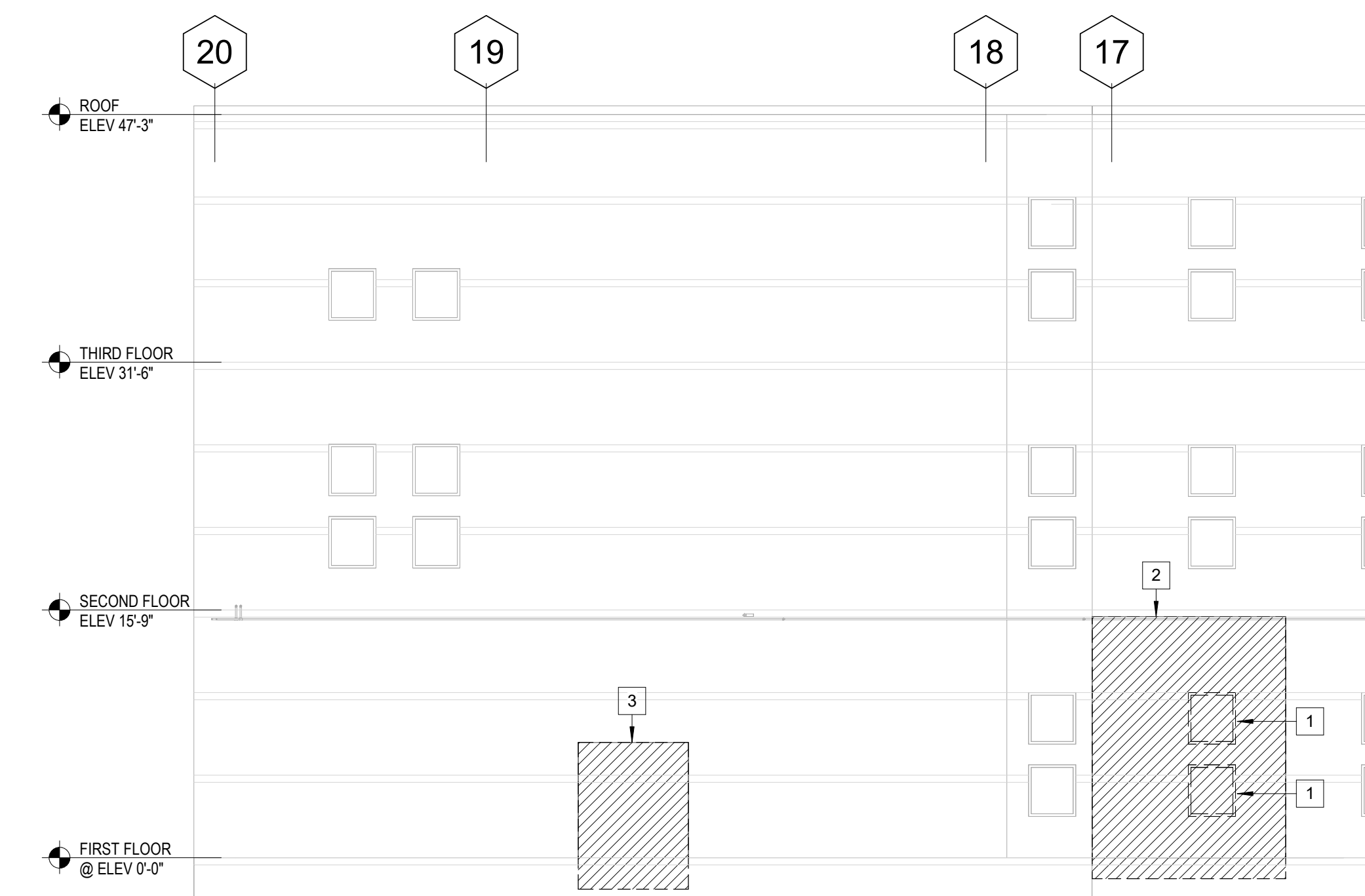
Project No. 191501254 Scale As indicated  
Revision Drawing No. **AD-101**



**1 BUILDING 222 - DEMOLITION WALL SECTION**  
SCALE: 1 1/2" = 1'-0"



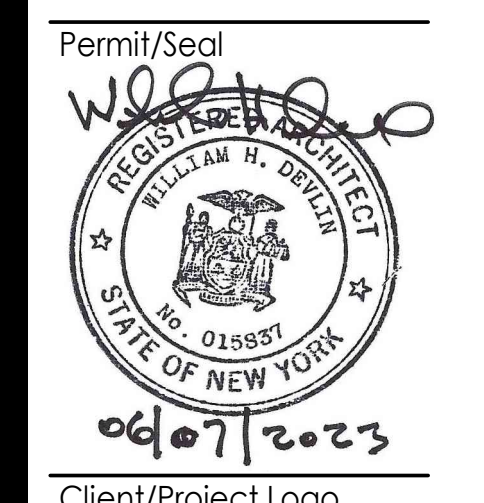
**2 DEMOLITION WALL SECTION @ SOUTH WALL**  
SCALE: 3/4" = 1'-0"



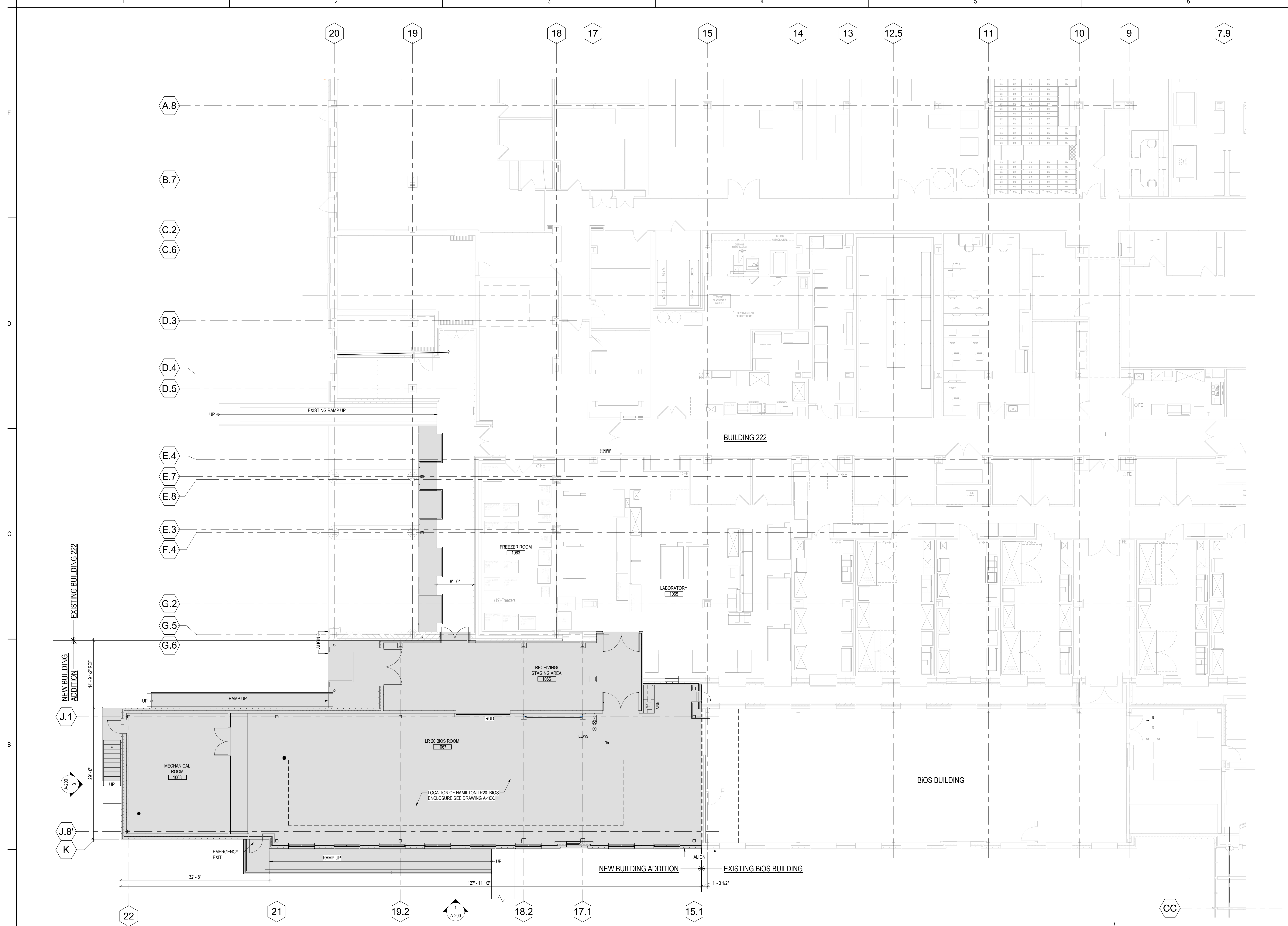
**3 PARTIAL BUILDING DEMOLITION ELEVATION**  
SCALE: 1/8" = 1'-0"

- DEMOLITION KEYED NOTES**
- 1 DEMOLISH & REMOVE ALUM. AND GLASS WINDOW INCLUDING LINTEL AND SILL.
  - 2 REMOVE PORTION OF EXTERIOR BRICK AND METAL STUD WALL CONSTRUCTION AS SHOWN ON THE DEMOLITION PLAN AND THE DEMOLITION WALL SECTIONS.
  - 3 REMOVE PORTION OF BRICK AND CMU WALL FOR THE INSTALLATION OF A PAIR OF 6'-0" X 7'-0" HM METAL DOORS, FRAME AND LINTEL. THE NEW FRAME WILL BE FURNISHED WITH 4 INCH HIGH HEAD.

Rev	By	Appd	Check	Date
1	PLANNING BOARD RESUBMISSION			2023.04.07
0	FOR OWNERS REVIEW			2023.04.05
Issued/Revision				
File Name:	N/A	Author:	Designer:	Checker:
		Dwn:	Dgn:	Chk:



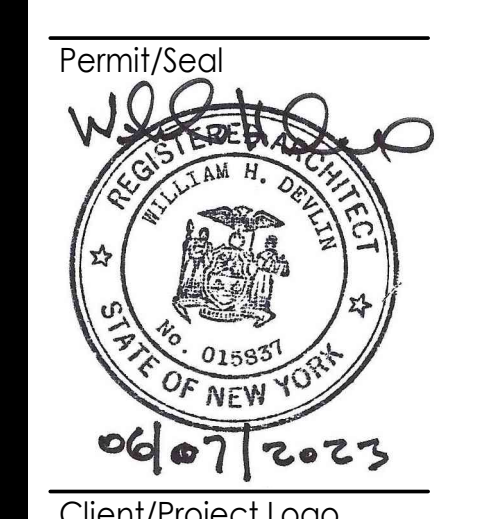
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Pfizer Global Research and Development  
  
Hamilton BiOS #2 Addition  
  
Pearl River, NY  
  
Title  
DEMOLITION WALL SECTIONS



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

LEGEND	
	AREA OF WORK

File Name: N/A	Author: Dwn	Designer: Dgn	Checker: Cht	Date: 10/04/22	
2	PLANNING BOARD RESUBMISSION	EJW	WHD	2023.06.07	
1	FOR OWNERS REVIEW	EJW	WHD	2023.04.05	
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Issued/Revision				By: Appd	YYYYMMDD



Client/Project Logo



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.
2	<b>A-100</b>

**GENERAL NOTES**

1. REFER TO STRUCTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK.

**KEYED INSTALLATION NOTES**

- ① STEEL FACED RUBBER DOCK BUMPER EXPANSION BOLTED TO REINFORCED CONCRETE LOADING DOCK WALL.
- ② LOADING DOCK CONTROL PANEL. INSTALL CONTROL PANEL 66 INCHES AFF (TOP OF PANEL). REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL WORK.
- ③ LED STOP & GO DOCK LIGHT FASTENED TO EXISTING BRICK FACED PARTITION. INSTALL LIGHT 84 INCHES AFF (TOP OF LIGHT). REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL WORK.
- ④ DOCK LEVER (6'-0" X 6'-0") EQUIPPED WITH HYDRAULIC OPERATOR. REFER TO STRUCTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK.
- ⑤ ELECTRICALLY OPERATED VEHICLE RESTRAINT SYSTEM WITH ADJUSTABLE ENGAGEMENT HEIGHT. REFER TO STRUCTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- ⑥ MANUALLY OPERATED SAFETY BARRIER SYSTEM.
- ⑦ 6 INCH DIAMETER SCHEDULE 40 STEEL PIPE BOLLARD WITH 1/8 INCH THICK YELLOW BOLLARD COVER AS MANUFACTURED BY THE BOLLARD COMPANY OR ARCHITECT APPROVED EQUAL.

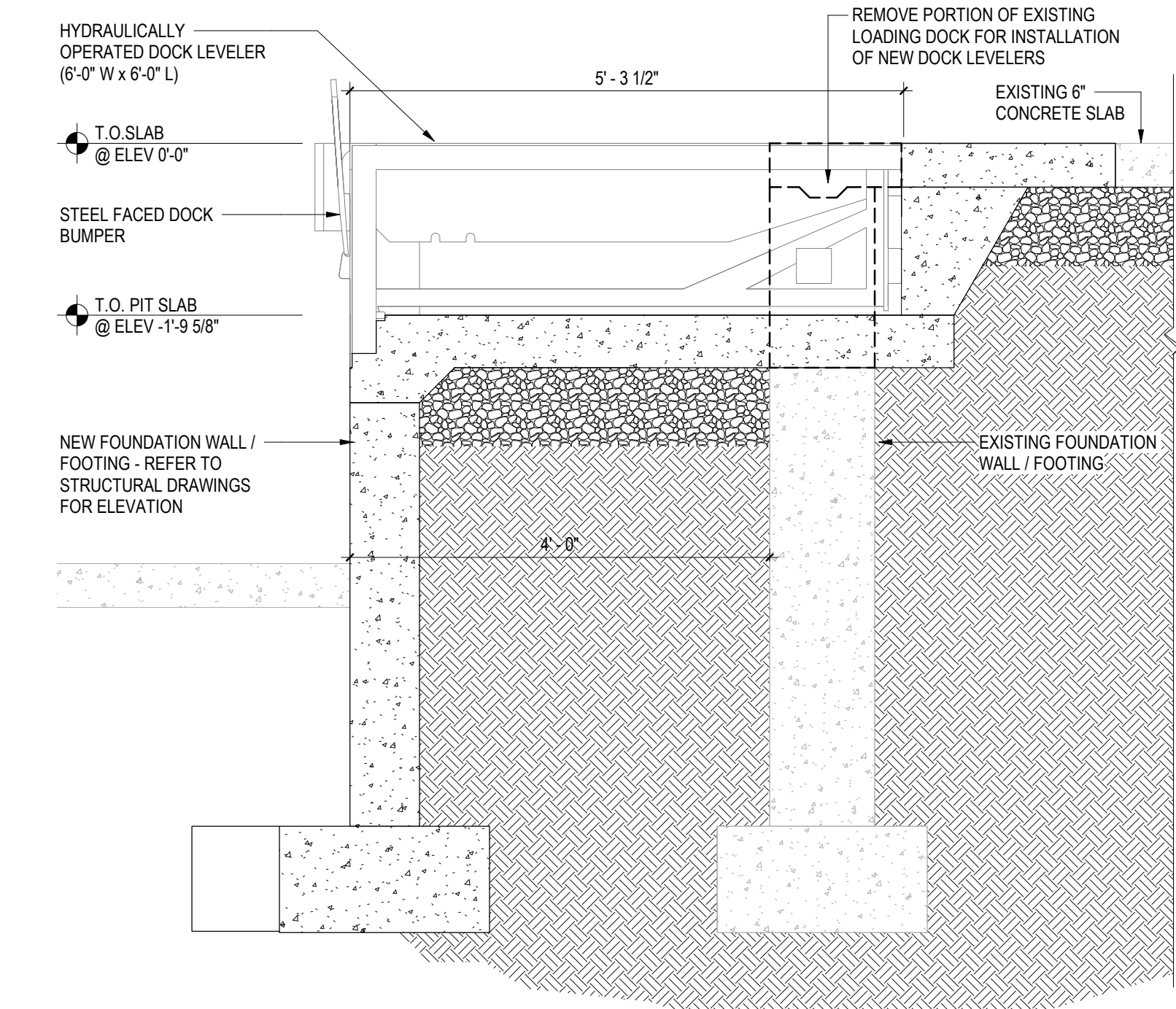
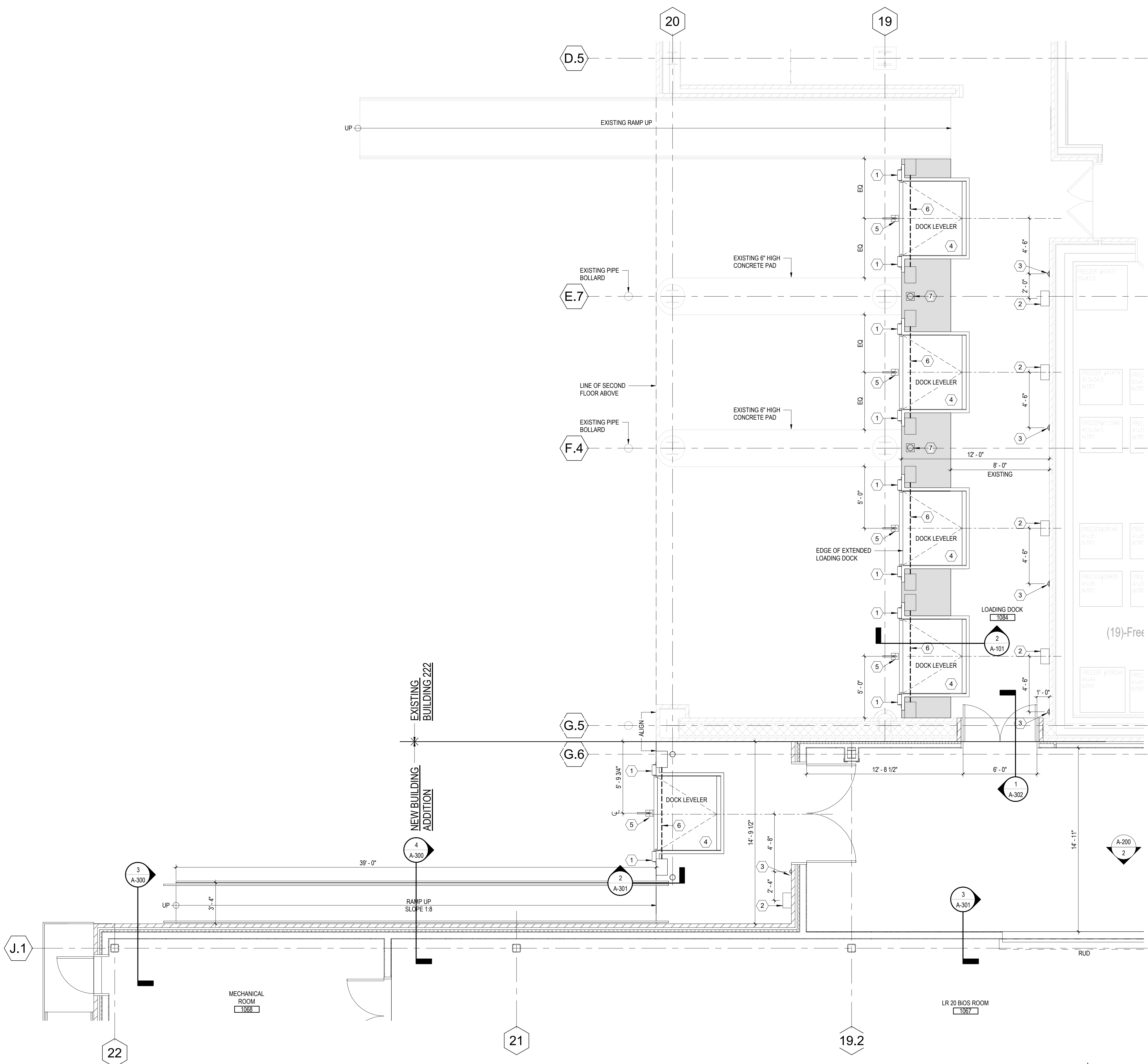
**LEGEND**

■ EXTENT OF NEW REINFORCED CONCRETE LOADING DOCK

**LOADING DOCK EQUIPMENT**

1. GENERAL:

- A. CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, TOOLS, EQUIPMENT, TRANSPORTATION AND OTHER FACILITIES FOR THE FURNISHING AND INSTALLATION OF THE LOADING DOCK EQUIPMENT AS SHOWN ON THIS DRAWINGS AND OUTLINED HEREIN.
- B. FURNISH AND INSTALL COMPLETE LOADING DOCK EQUIPMENT, INCLUDING DOCK LEVERS, OPERATORS, CONTROL PANELS, SAFETY BARRIERS, INCLUDING VEHICLE RESTRAINT SYSTEM AND ASSOCIATED STATUS LIGHTS.
- C. SUBMIT MANUFACTURER'S SHOP DRAWINGS, INDICATING DIMENSIONS, TOLERANCES, MATERIALS, COMPONENTS, HARDWARE, ELECTRICAL WIRING DIAGRAMS, OPTIONS AND ACCESSORIES.
- D. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE MANUFACTURERS OFFERING PRODUCTS THAT MAYBE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
  1. RITE-HITE
  2. KELLY
  3. MCSJURE
- E. BASIS OF DESIGN: PROVIDE LOADING DOCK EQUIPMENT SIMILAR TO RITE-HITE AND AS FOLLOWS:
  1. DOCK LEVER: RH400 (BASE HYDRAULIC PACKAGE)
  2. CONTROL SYSTEM: DOK COMMANDER (COMBINATION CONTROL PACKAGE)
  3. VEHICLE RESTRAINT: SHR5000 DOK-LOK
  4. LOADING DOCK SAFETY BARRIER: DOK-GUARDIAN LD
  5. LOADING DOCK BUMPERS: RHV420-11SF
2. LOADING DOCK EQUIPMENT SHALL INCORPORATE THE FOLLOWING DESIGN FEATURES:
  - A. DOCK LEVER FEATURES AND OPTIONS
    1. NOMINAL SIZE: 6'-0" W X 6'-0" L
    2. CAPACITY: 37,000 LBS
    3. DOK-LOK MOUNTING PLATE
    4. BUMPER MOUNTING PLATE
    5. MANUAL END LOAD LEGS
    6. LIP KEEPERS WITH AUTOMATIC NIGHT LOCKS
    7. BIODEGRADABLE HYDRAULIC FLUID
    8. NON-ADJUSTABLE HYDRAULIC VELOCITY FUSE
    9. POWER SOURCE: 480/3Ø
    10. INTEGRAL SAFE-T-STRUT SUPPORT SYSTEM
  - B. DOK-COMMANDER COMBINATION CONTROL PACKAGE SHALL INCLUDE THE FOLLOWING FEATURES AND OPTIONS:
    1. RESTRAINT UNLOCK ITL (LEVELER STORED) SWITCH
    2. GREEN LIGHT TO OPERATE EQUIPMENT WITH ITL (LEVELER STORED) SWITCH
    3. DOCK LIGHT TERMINAL WITH SELECTOR SWITCH (LED DOCK LIGHT)
  - C. VEHICLE RESTRAINT SYSTEM (SHR-5000) SHALL INCLUDE THE FOLLOWING FEATURES AND OPTIONS:
    1. ENGAGEMENT RANGE EXTENDS FROM 9' TO 30' ABOVE GROUND WITH THE OPTION FOR A 9' CARRIAGE
    2. POWER SOURCE: 110/1ØØ WITH A 15 AMP SERVICE CIRCUIT
  - D. DOK-GUARDIAN LD SAFETY BARRIER SYSTEM SHALL INCLUDE THE FOLLOWING FEATURES AND OPTIONS:
    1. STANDARD CLEAR OPENING WIDTH: 4'-6" TO 7'-6"
    2. CURTAIN PULL DIRECTION FROM LEFT TO RIGHT
    3. FURNISH & INSTALL INTERLOCK WITH THE FOLLOWING FUNCTIONAL REQUIREMENTS: INSIDE GREEN LIGHT MUST BE PRESENT ON THE DOK-LOK BEFORE THE DOK-GUARDIAN CURTAIN CAN BE RELEASED FROM THE "WORKING POSITION" ACROSS THE OPENING. THE DOK-GUARDIAN MUST BE STORED IN THE "WORKING POSITION" ACROSS THE OPENING BEFORE POWER TO THE DOK-LOK UNLOCK SWITCH IS AVAILABLE.
  - E. LOADING DOCK BUMPERS:
    1. STEEL FACED DOCK BUMPERS
    2. SIZE: 20" X 11" WITH 4 INCH PROJECTION
3. INSTALLATION
  - A. FURNISH & INSTALL ELECTRICAL POWER TO LOADING DOCK EQUIPMENT
  - B. GENERAL CONTRACTOR SHALL FURNISH ALL INTERCONNECTING WIRING AND CONDUIT REQUIRED TO ENERGIZE LOAD DOCK EQUIPMENT SYSTEM COMPONENTS.
  - C. INSTALL LOADING DOCK EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AT LOCATIONS INDICATED ON THE DRAWINGS.
  - D. INSTALL LOADING DOCK EQUIPMENT PLUMB AND LEVEL.
  4. ADJUSTING
    - A. ADJUST LOADING DOCK EQUIPMENT FOR PROPER OPERATION IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.



**1 DOCK EQUIPMENT INSTALLATION PLAN**  
SCALE: 1/4" = 1'-0"

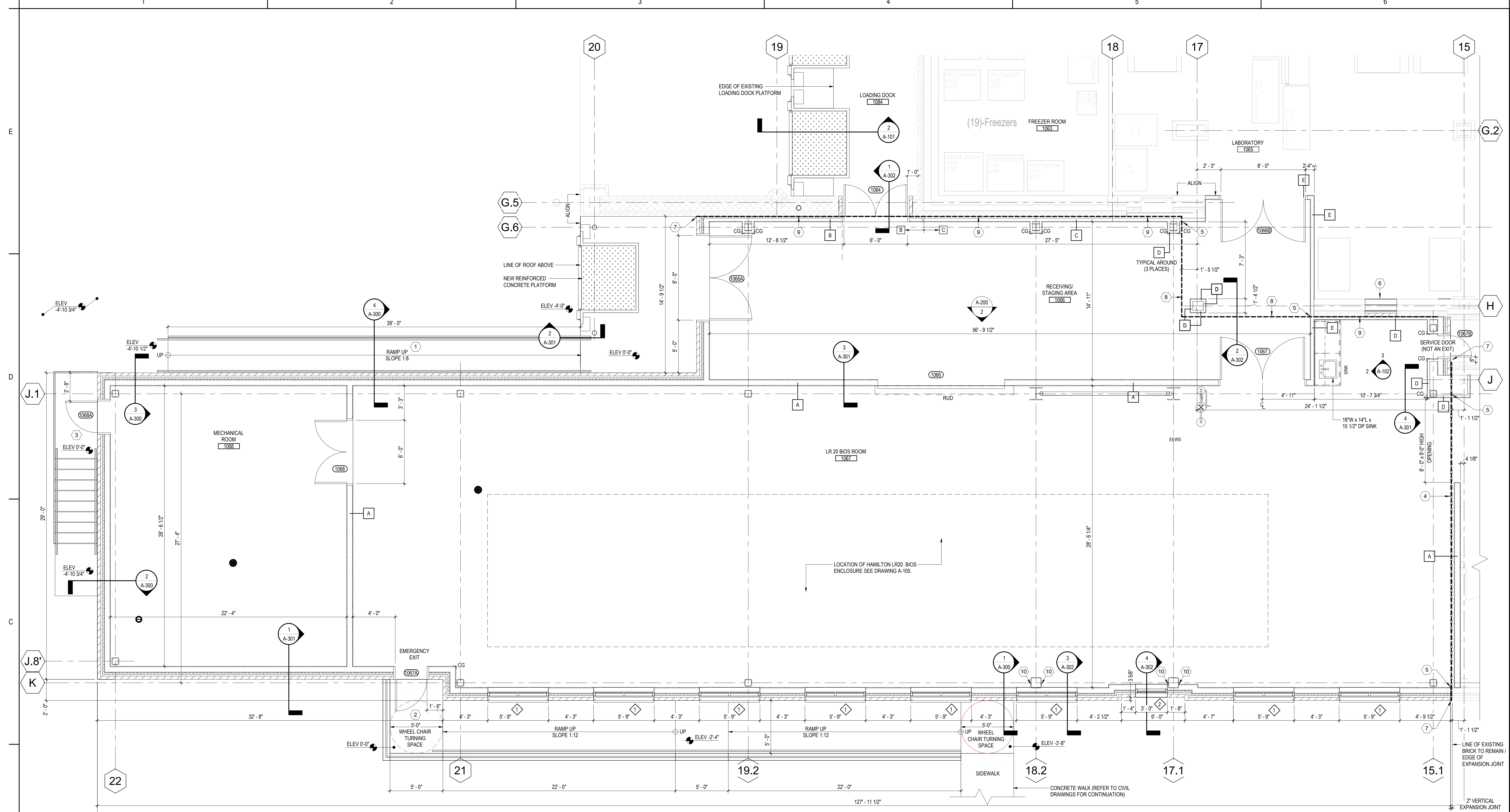
**2 DOCK LEVELER SECTION**  
SCALE: 3/4" = 1'-0"

1	PLANNING BOARD RESUBMISSION	R/W	WHD	2023.04.07
0	FOR OWNERS REVIEW	R/W	WHD	2023.04.05
Issued/Revision		By	Appd	YYYY.MM.DD

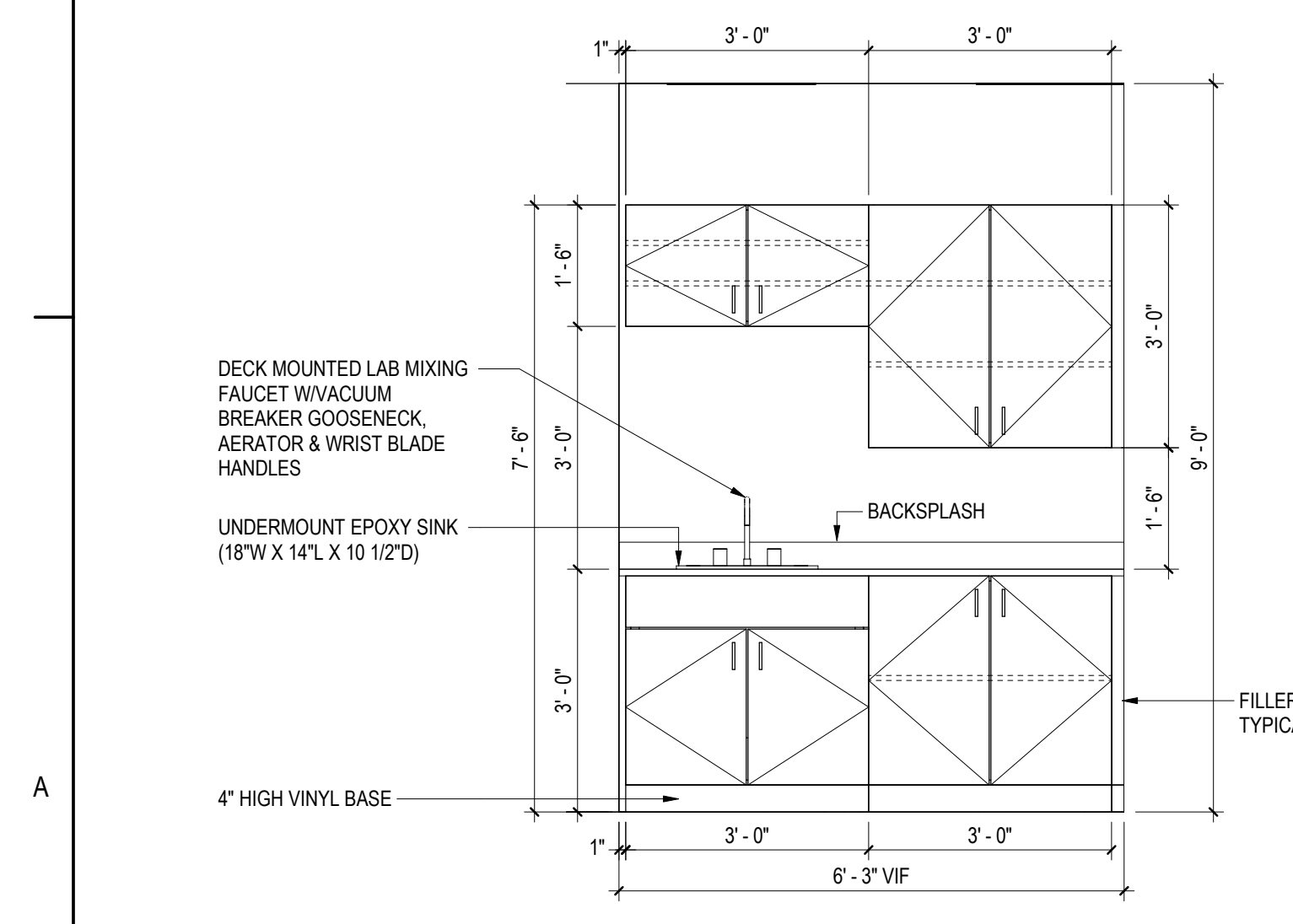
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Pfizer Global Research and Development  
Hamilton BiOS #2 Addition  
Pearl River, NY  
Title  
ARCHITECTURAL ENLARGED DOCK INSTALLATION PLAN

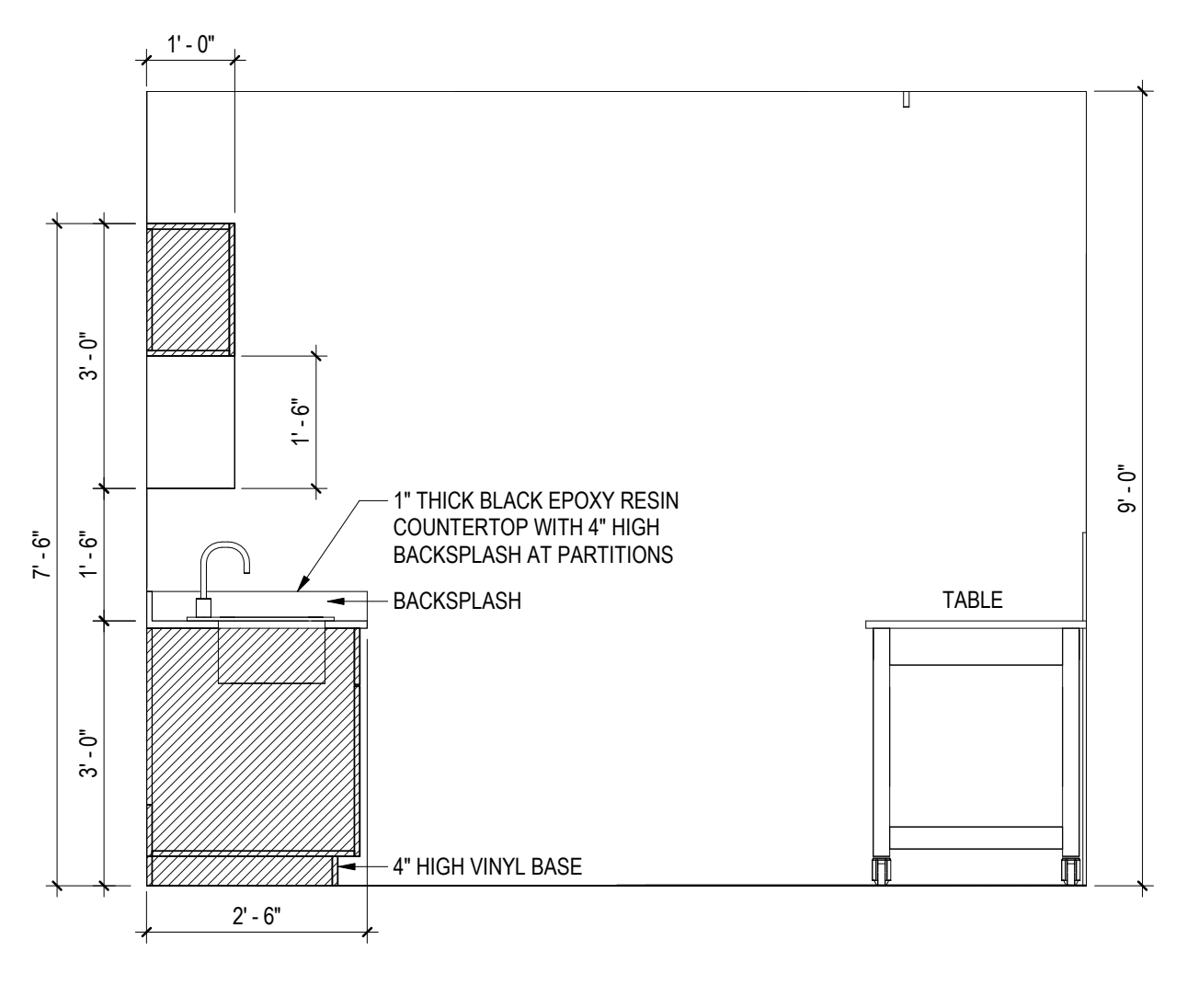
Project No.	191501254	Scale	As indicated
Revision		Drawing No.	<b>A-101</b>



**1 ARCHITECTURAL FIRST FLOOR ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"



**2 INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0"



**3 INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0"

- SPRAY-ON FIRE RESISTIVE MATERIALS**
- IN ACCORDANCE WITH UL DESIGN Y615 APPLY ISOLATEK INTERNATIONAL TYPE WB 5 INTUMESCENT COATING TO STRUCTURAL COLUMNS TO ATTAIN A 1 HOUR ASSEMBLY RATING.
  - SPRAY APPLY ISOLATEK INTERNATIONAL TYPE 400 FIRE RESISTIVE MATERIAL TO METAL DECKING INCLUDING ROOF BEAMS AND GIRDERS IN ACCORDANCE WITH UL DESIGN P719 TO ATTAIN A 1 HOUR ASSEMBLY RATING.

- GENERAL NOTES**
- FINISHED FLOOR ELEVATION 332.9' (0'-0").
  - REFER TO DRAWING A-600 FOR EXPANSION JOINT COVER SCHEDULE.
  - REFER TO DRAWING A-503 FOR WINDOW TYPE ELEVATIONS.
  - REFER TO DRAWING A-101 FOR DOCK EQUIPMENT INSTALLATION PLAN.
  - REFER TO DRAWING A-600 FOR CORNER GUARD DETAIL.

- KEYED INSTALLATION NOTES**
- REINFORCED CONCRETE PEDESTRIAN RAMP WITH A SLOPE OF ONE UNIT VERTICAL IN EIGHT UNITS HORIZONTAL (12.5-PERCENT SLOPE). THIS RAMP WILL NOT BE USED AS A MEANS OF EGRESS. REFER TO STRUCTURAL DRAWINGS FOR ENLARGED PLAN AND DETAILS.
  - MEANS OF EGRESS REINFORCED CONCRETE RAMP WITH A SLOPE OF ONE UNIT VERTICAL IN 12 UNITS HORIZONTAL (8-PERCENT SLOPE). REFER TO STRUCTURAL DRAWINGS FOR ENLARGED PLAN AND DETAILS.
  - REINFORCED CONCRETE STAIR WITH GALVANIZED STEEL HAND AND GUARD RAILS.
  - CONTINUOUS CONTROL JOINT WITH TYPE EC-1 COVER LOCATED BETWEEN NEW AND EXISTING CONCRETE SLABS. REFER TO DRAWING A-600 FOR SPECIFICATION.
  - CONTINUOUS TYPE EJC-4 INTERIOR DRYWALL & METAL STUD PARTITION EXPANSION JOINT COVER.
  - REMOVE AND IN-FILL EXISTING WALL OPENING. NEW CONSTRUCTION TO MATCH EXISTING.
  - CONTINUOUS TYPE EJC-5 EXTERIOR MASONRY WALL EXPANSION JOINT COVER LOCATED BETWEEN NEW BUILDING ADDITION AND BUILDING 222.
  - CONTINUOUS TYPE EJC-2 BELOW GRADE WATER TIGHT EXPANSION JOINT SYSTEM WITH TYPE EJC-3 FLOOR TO FLOOR EXPANSION JOINT COVER PLATE.
  - CONTINUOUS TYPE EJC-2 BELOW GRADE WATER TIGHT EXPANSION JOINT SYSTEM LOCATED BETWEEN NEW FLOOR SLAB AND BUILDING 222.
  - TERMINATE DRYWALL AT FACE OF COLUMN WITH METAL 'J' BEAD. SEAL VERTICAL JOINT BETWEEN THE 'J' BEAD AND STRUCTURAL COLUMN WITH CONTINUOUS ACRYLIC LATEX SEALANT.

**LOCATED OFF PAGE:**  
EXISTING CHILLED WATER PIPING SERVING BIOS #1 TO BE REPLACED. GENERAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR DRYWALL REMOVALS AND RE-INSTALLATION REPAIR AS NEEDED TO ACCESS THE PORTIONS OF PIPING LOCATED ABOVE CEILING AND DOWN INSIDE WALL CHASE INSIDE LAB 1012 NEAR COLUMN LINE 4, AND ABOVE ENTRY CORRIDOR DRYWALL CEILING.

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Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
ARCHITECTURAL PARTIAL ENLARGED PLAN

Project No.  
191501254

Scale  
As indicated

Revision  
2

Drawing No.  
**A-102**

- GENERAL NOTES**
- CONTRACTOR SHALL COORDINATE WITH ELECTRICAL DRAWING FOR LIGHT FIXTURE LOCATIONS.
  - CONTRACTOR SHALL COORDINATE LOCATION OF HVAC DUCTWORK AND PIPING WITH MECHANICAL DRAWINGS.
  - CONTRACTOR SHALL FURNISH AND INSTALL NEW CEILING GRID AND ACOUSTIC TILES AS SHOWN IN PLAN AND INDICATED ON THE FINISH SCHEDULE.

- KEYED INSTALLATION NOTES**
- CONTINUOUS TYPE EJC-6 ACOUSTICAL CEILING EXPANSION JOINT COVER.
  - FOLLOWING THE INSTALLATION OF NEW PIPING ABOVE CEILING, REPAIR CEILING TO MATCH EXISTING AND REINSTALL LIGHTING FIXTURES. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF NEW PIPING INSTALLATIONS.

**REFLECTED CEILING LEGEND**

	2x2 LAY-IN CEILING SYSTEM		CEILING TYPE
	GYP BOARD CEILING		CEILING HEIGHT
	ESS EXPOSED STRUCTURAL SYSTEM		24"x24" STAINLESS STEEL GASKET ACCESS HATCH
	2X2 SUPPLY DIFFUSER		18"x18" STAINLESS STEEL GASKET ACCESS HATCH
	2X4 SUPPLY DIFFUSER		
	2X2 RETURN GRILLE		
	2X2 EXHAUST		

**HVAC FIXTURES**

	2X2 SUPPLY DIFFUSER		2X4 SUPPLY DIFFUSER
	2X2 RETURN GRILLE		2X2 EXHAUST

**FIRE PROTECTION-LIFE SAFETY FIXTURES**

	SPRINKLER HEAD (NEW)		FIRE ALARM STROBE
	SPRINKLER HEAD (EXISTING)		FIRE ALARM AUDIO/VISUAL STROBE
	GAS DETECTOR, CARBON MONOXIDE		SMOKE DETECTOR

**LIGHT FIXTURES**

	2' X 4' CEILING RECESSED		2' X 2' CEILING RECESSED
	EM LIGHT		EM 2' X 2' LIGHTING
	4' X 4' LED LIGHT		EM 4' X 4' LED LIGHT
	1' X 4' SURFACE MOUNTED		
	1' X 4' SURFACE MOUNTED		

**SECURITY FIXTURES**

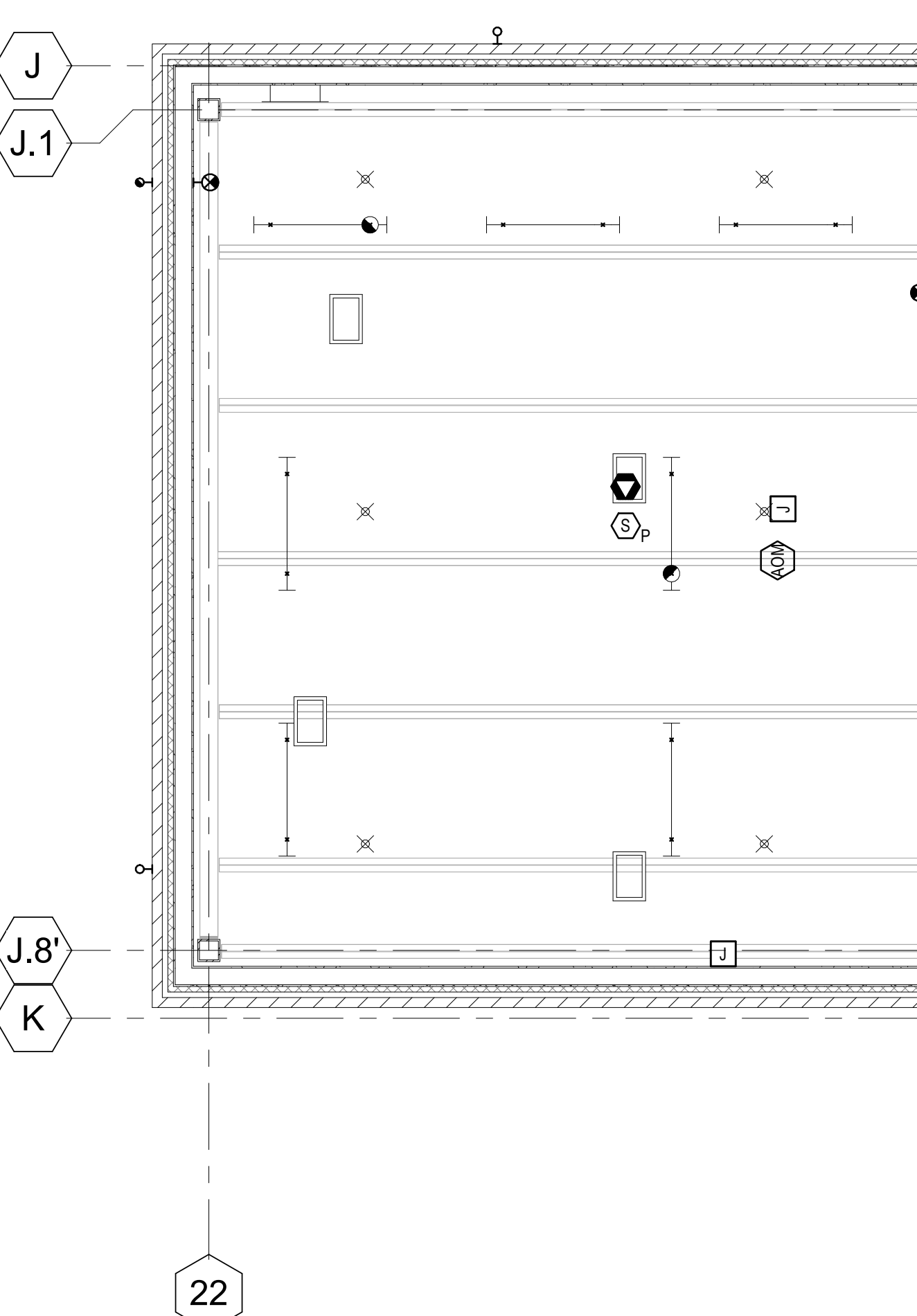
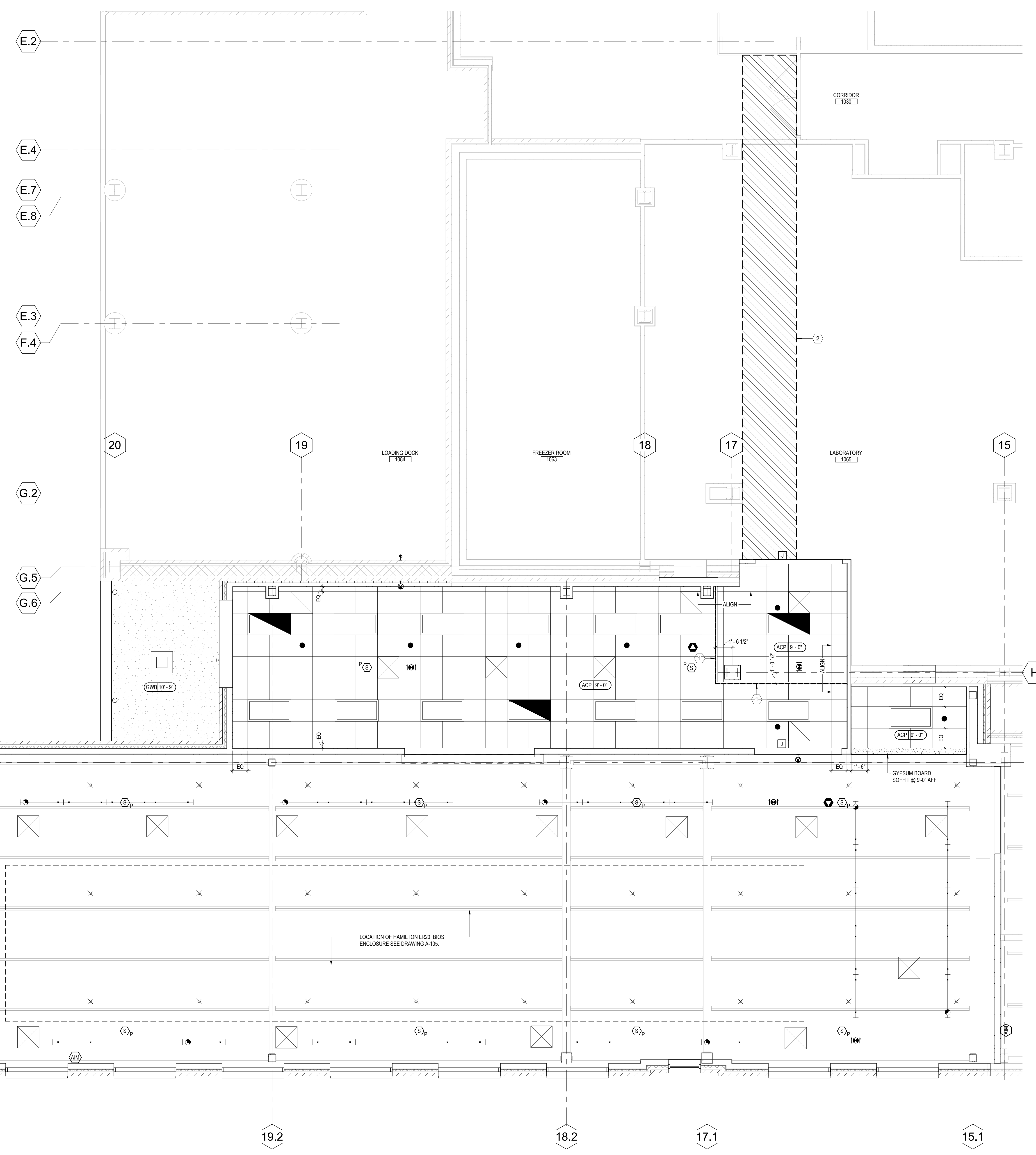
	MOTION DETECTOR		EGRESS MOTION DETECTOR
	CAMERA		

**PUBLIC ADDRESS FIXTURES**

	SPEAKER
--	---------

(E) = EXISTING TO REMAIN  
(R) = EXISTING RELOCATED TO NEW LOCATION  
(RS) = EXISTING LIGHTING FIXTURE TEMPORARILY REMOVED AND REINSTALLED TO PROVIDE ACCESS FOR THE INSTALLATION OF THE ABOVE CEILING UTILITIES.



**1 FIRST FLOOR REFLECTED CEILING PLAN**  
SCALE: 1/4" = 1'-0"

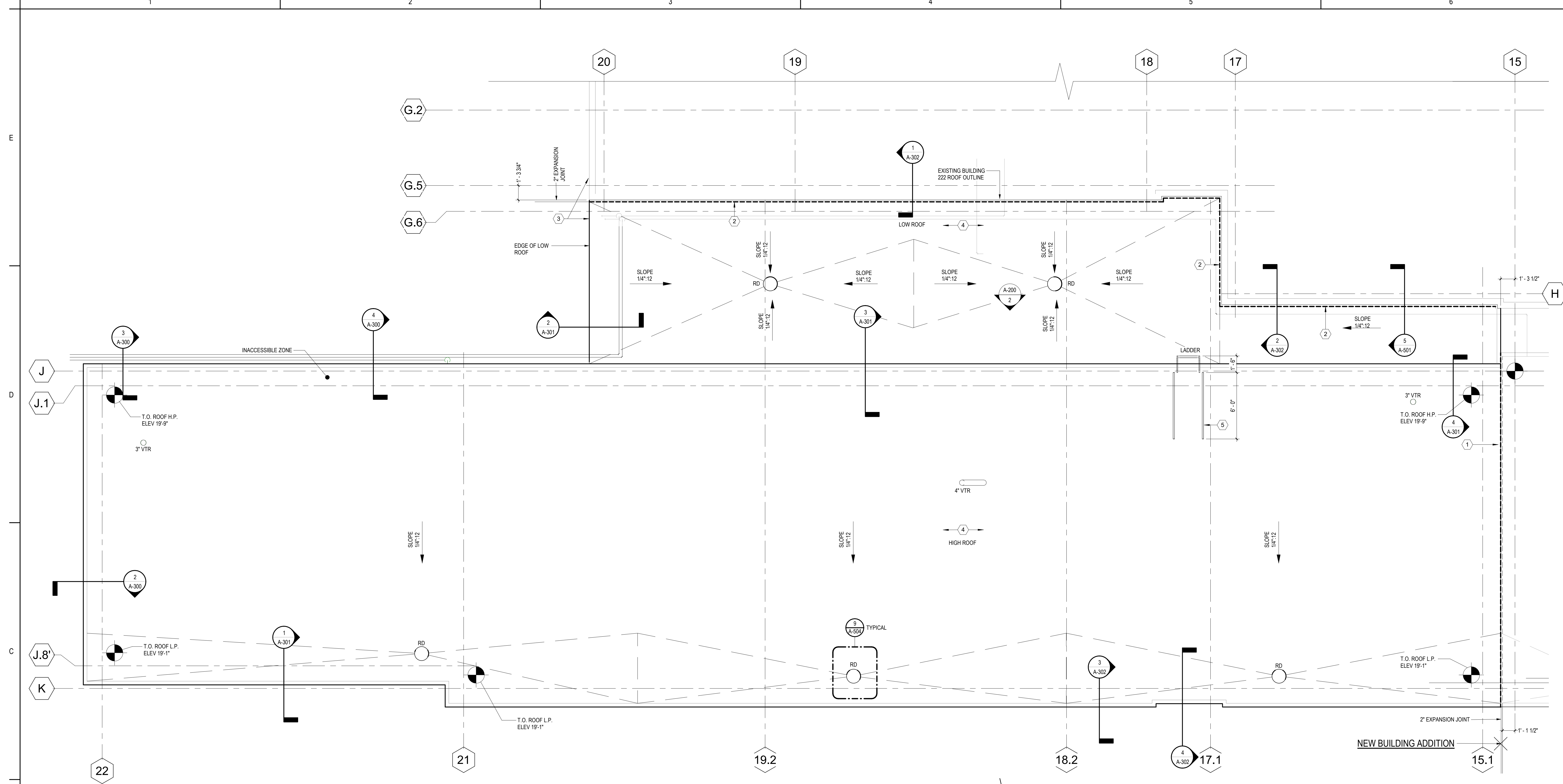
Rev	Description	By	Appd	Date
1	PLANNING BOARD RESUBMISSION	R/W	WHD	2023.04.07
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File Name:	N/A	Author:	Design:	03/29/23
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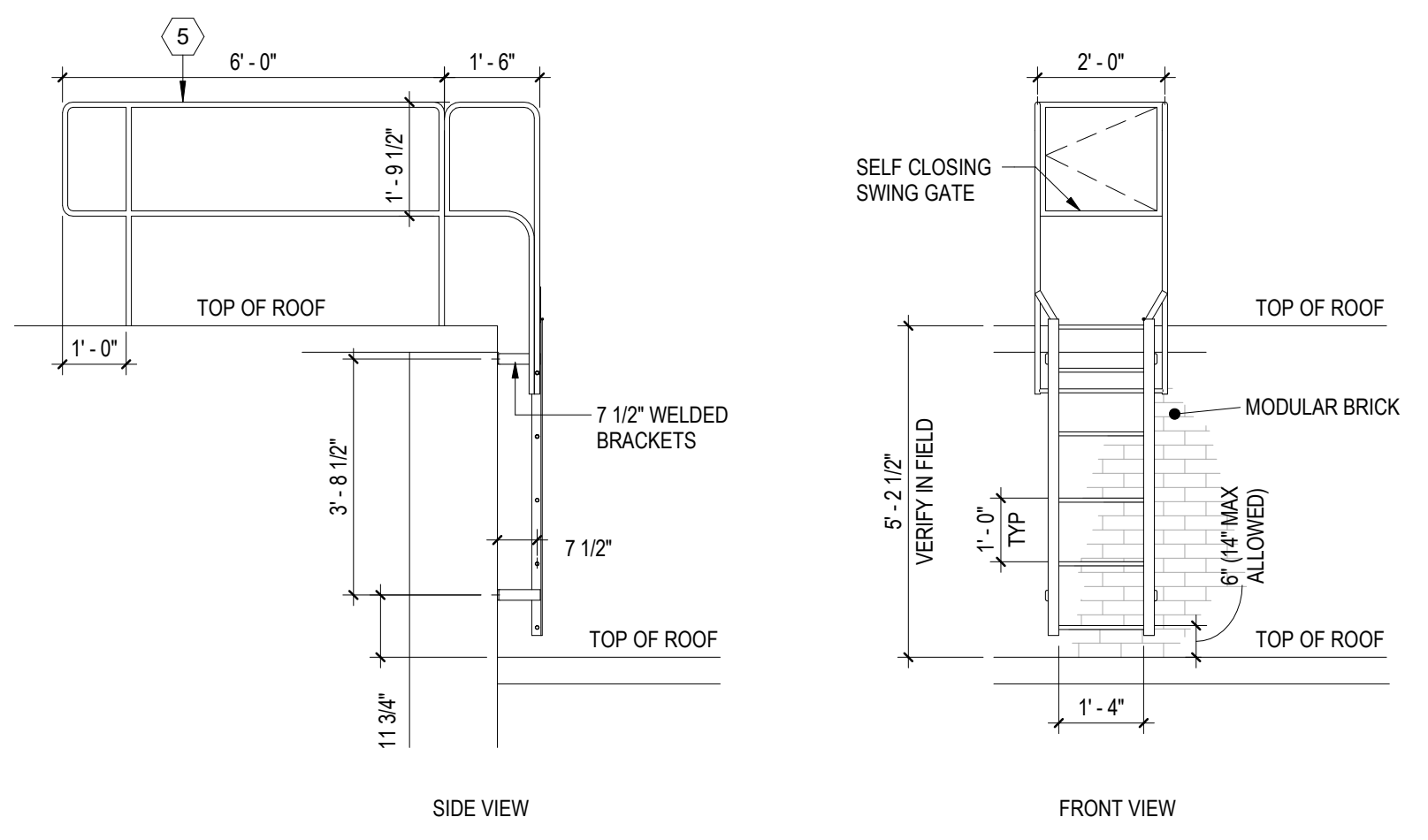
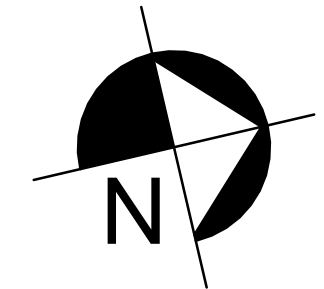
Client/Project  
Pfizer Global Research and Development  
Hamilton BiOS #2 Addition  
Pearl River, NY  
Title  
ARCHITECTURAL PARTIAL REFLECTED CEILING PLAN

Project No. 191501254	Scale As indicated
Revision 1	Drawing No. <b>A-103</b>





**1 ARCHITECTURAL PARTIAL ROOF PLAN**  
A-104 SCALE: 1/4" = 1'-0"



**2 LADDER DETAIL**  
A-104 SCALE: 3/8" = 1'-0"

**FIXED LADDER WITH WALK-THRU HANDRAILS - CONSTRUCTION FEATURES:**

- ALL FIXED LADDERS MEET OR EXCEED ANSI A14.3, OSHA 1917.118 AND 1926.1053 STANDARDS.
- SIDE MEMBERS SHALL BE 1/4"X2"X2" STEEL ANGLE. CLIMBING RUNGS SHALL BE 3/4" CORRUGATED STEEL ROUND RUNGS SPACE AT 12" CENTERS. STAND-OFF BRACKETS SHALL BE 7".
- LADDER SHALL BE FURNISHED WITH WALK-THRU HANDRAILS. WALK-THRU HANDRAILS SHALL EXTEND 42" ABOVE LANDING SURFACE. MANUFACTURER SHALL INCLUDE MOUNTING BRACKETS.
- LADDER SHALL BE FURNISHED AS A WELDED ONE-PIECE ASSEMBLY WITH A FACTORY APPLIED POWDER COAT FINISH. COLOR SELECTION BY OWNER.

**FALL PROTECTION SYSTEM**

- GENERAL:
  - MANUFACTURER SHALL DESIGN, ENGINEER, AND FABRICATE A ROOFTOP ACCESS FALL PROTECTION SYSTEM CONSISTING OF A FULL BODY HARNESS, LANYARD, AND AN ENGINEERED ANCHORAGE SYSTEM TO PROVIDE A TRAVEL RESTRAINT AND FALL ARREST SYSTEM TO KEEP WORKERS SAFE WHILE PERFORMING MAINTENANCE ACTIVITIES ON THE ROOF.
  - A MANUFACTURER CERTIFIED CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, TOOLS, EQUIPMENT, TRANSPORTATION AND OTHER FACILITIES FOR INSTALLATION OF A COMPLETE ROOF TOP FALL PROTECTION SYSTEM AND AS OUTLINED HEREIN.
  - ALL SYSTEM COMPONENTS SHALL BE PROVIDED BY A SINGLE MANUFACTURER.
  - SUBMIT MANUFACTURER'S SHOP DRAWINGS, DEPICTING GENERAL ARRANGEMENT WITH DIMENSIONS, TOLERANCES, MATERIALS, COMPONENTS, HARDWARE, AND ACCESSORIES.
  - SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
    - KEEP SAFETY INC.
    - ROOFTOP ANCHORS INC.
    - GUARDIAN
- REGULATORY COMPLIANCE REQUIREMENTS
  - SYSTEM SHALL CONFORM TO ENFS95 CLASS C, OSHA 1915.159, 1926.502M, ANSIS 2399.1 2007 AND ASINZS 1891.2 AND SHALL BE CE APPROVED TO THE PPE DIRECTIVE.
- FALL PROTECTION SYSTEM FEATURES AND OPTIONS:
  - WIRE BASED LIFELINE SYSTEM THAT PROVIDES USERS WITH TOTAL FALL PROTECTION THROUGH CONTINUOUS ATTACHMENT WHILE TRAVELING THE SYSTEM.
  - ACCOMMODATES CORNERS AND VARYING BUILDING SHAPES.
  - EFFICIENT IN-LINE ABSORBER THAT DELETE THE REQUIREMENT FALL-OVER STYLE POSTS AT EVERY BRACKET POSITION.
  - MAXIMUM SPAN BETWEEN SUPPORTS 50 FEET.
  - OPEN STYLE, LOW PROFILE POSTS SUITABLE FOR MEMBRANE ROOFING SYSTEMS.
  - TRAVELLER ENABLES USERS TO DETACH AND RE-ATTACH AT ANY POINT ON THE SYSTEM.
  - HORIZONTAL APPLICATIONS.
  - MULTIPLE USERS (3 MAXIMUM).
  - PROVIDE ENGINEERING CALCULATION FOR REVIEW.
- INSTALLATION
  - INSTALL ROOFTOP FALL PROTECTION SYSTEM IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

**GENERAL NOTES**

- REFER TO DRAWING A-600 FOR EXPANSION JOINT COVER SCHEDULE.

**KEYED INSTALLATION NOTES**

- ROOF TO ROOF EXPANSION JOINT COVER TYPE EJC-8.
- ROOF TO WALL EXPANSION JOINT COVER TYPE EJC-7.
- EDGE OF ROOF TO ALIGN FLUSH WITH FACE OF BUILDING 222.
- FURNISH AND INSTALL ROOFTOP FALL PROTECTION SYSTEM.
- FURNISH & INSTALL KEEP GUARD SAFETY GUARDRAIL SYSTEM AS MANUFACTURED BY KEEP SAFETY INC. AND AS SHOWN ON THE ROOF PLAN

**LEGEND**

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

2	PLANNING BOARD RESUBMISSION	EJW	WHD	2023.06.07
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				04/26/17
				YYYY.MM.DD



Client/Project Logo



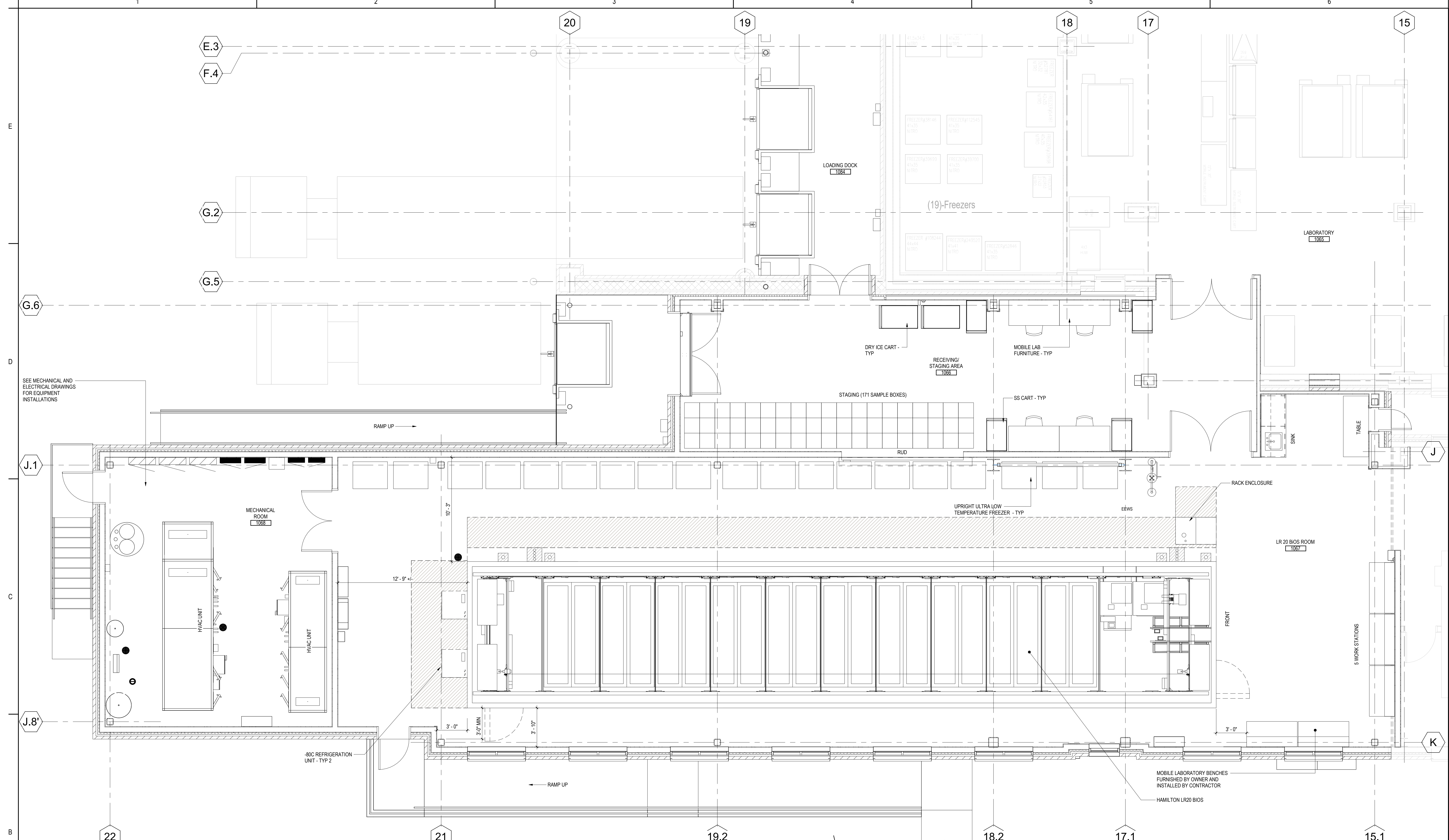
Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
ARCHITECTURAL PARTIAL ROOF PLAN

Project No. 191501254 Scale As indicated  
Revision 2 Drawing No. A-104

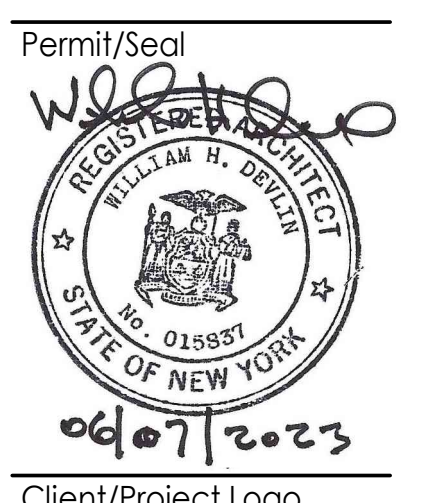


**1** ARCHITECTURAL PARTIAL FIRST FLOOR GENERAL ARRANGEMENT PLAN  
SCALE: 1/4" = 1'-0"

LEGEND	
	EQUIPMENT CLEARANCE REQUIREMENTS

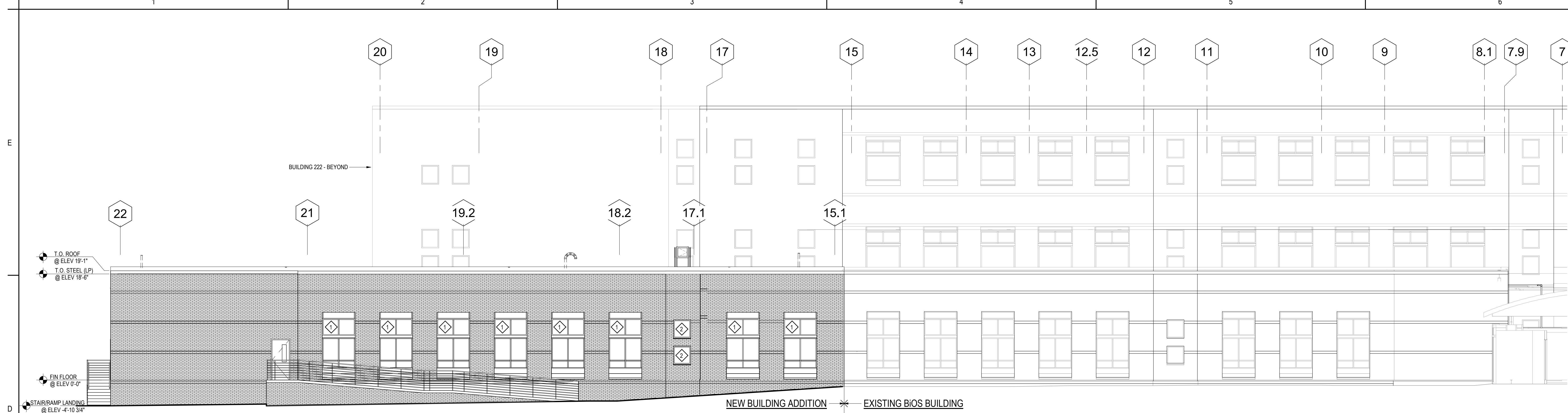
- GENERAL NOTES**
- MOBILE LAB FURNITURE, WORK STATIONS, TABLES, AND CARTS SHOWN ON THIS DRAWING SHALL BE FURNISHED BY PFIZER AND INSTALLED BY CONTRACTOR.
  - NINETEEN (19) LOW TEMPERATURE FREEZERS SHALL BE FURNISHED BY PFIZER AND INSTALLED BY CONTRACTOR.
  - HAMILTON BIOS LR20 AUTOMATED BIOLOGICAL SAMPLE STORAGE SYSTEM SHALL BE ASSEMBLED BY THE EQUIPMENT VENDOR. CONTRACTOR SHALL MAKE FINAL UTILITY CONNECTIONS.
  - REFER TO DRAWING A-101 FOR DOCK EQUIPMENT INSTALLATION PLAN.

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0 ISSUED FOR PERMIT	EJW	WHD	2023.02.22
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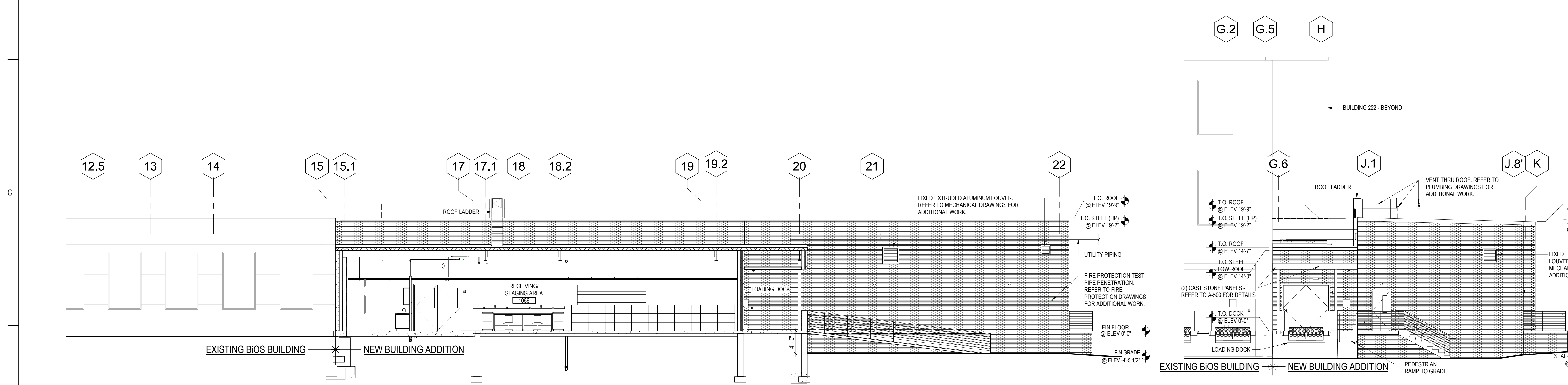


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Pfizer Global Research and Development  
Hamilton BiOS #2 Addition  
Pearl River, NY  
Title  
ARCHITECTURAL PARTIAL GENERAL ARRANGEMENT PLAN

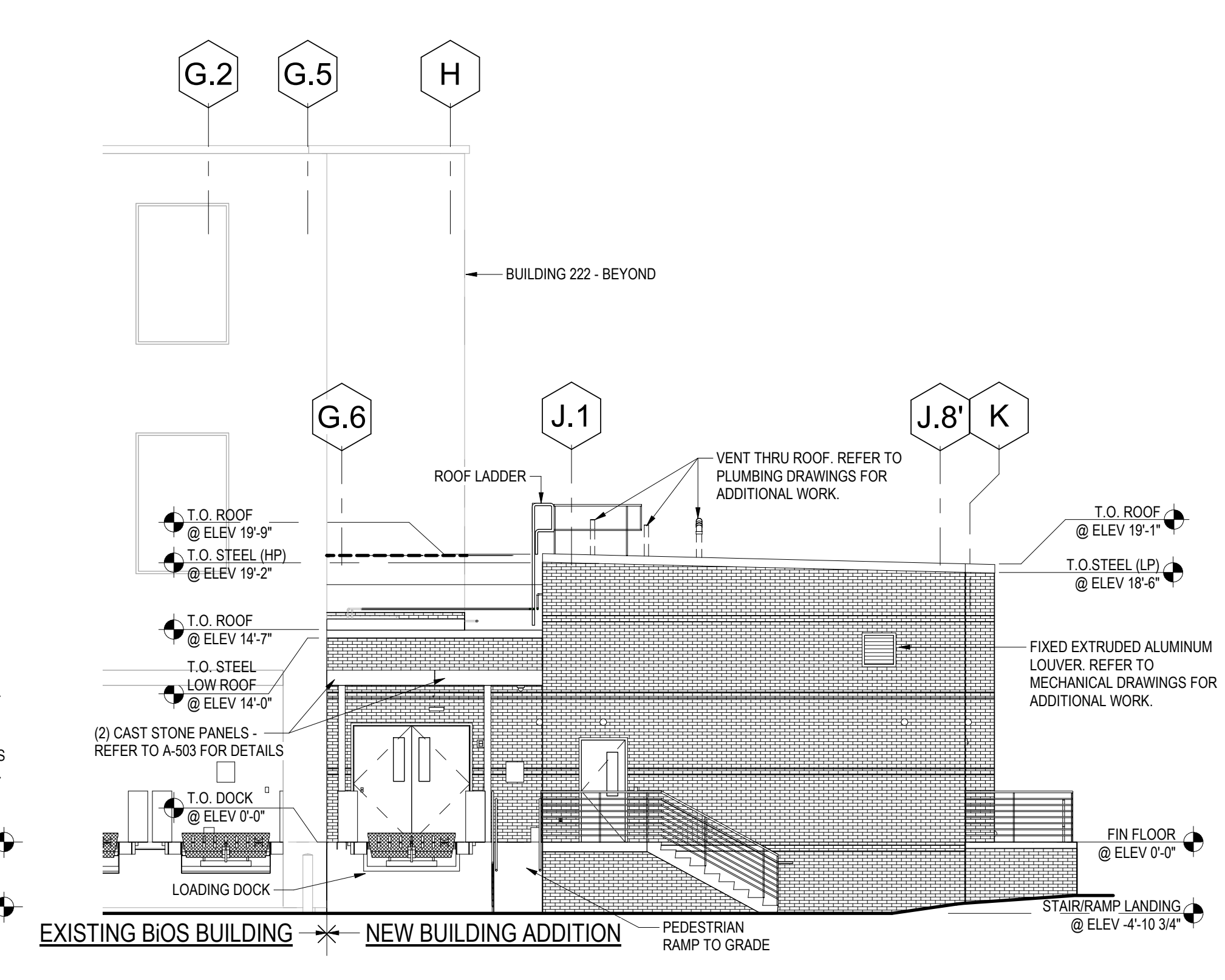
Project No.	Scale
191501254	As indicated
Revision	Drawing No.
2	<b>A-105</b>



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



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



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

Rev	Description	By	Appd	Date
2	PLANNING BOARD RESUBMISSION	EJW	WHD	2023.06.07
1	FOR OWNER REVIEW	EJW	WHD	2023.04.05
0	ISSUED FOR PERMIT	EJW	WHD	2023.02.22
	Issued/Revision		Appd	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
ARCHITECTURAL ELEVATIONS AND SECTION

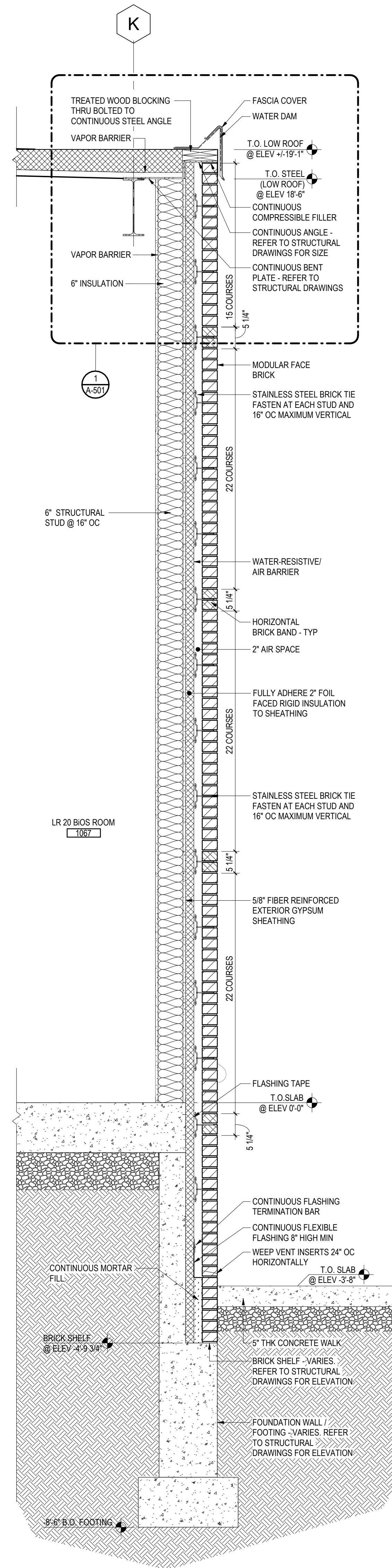
Project No.  
191501254

Scale  
As indicated

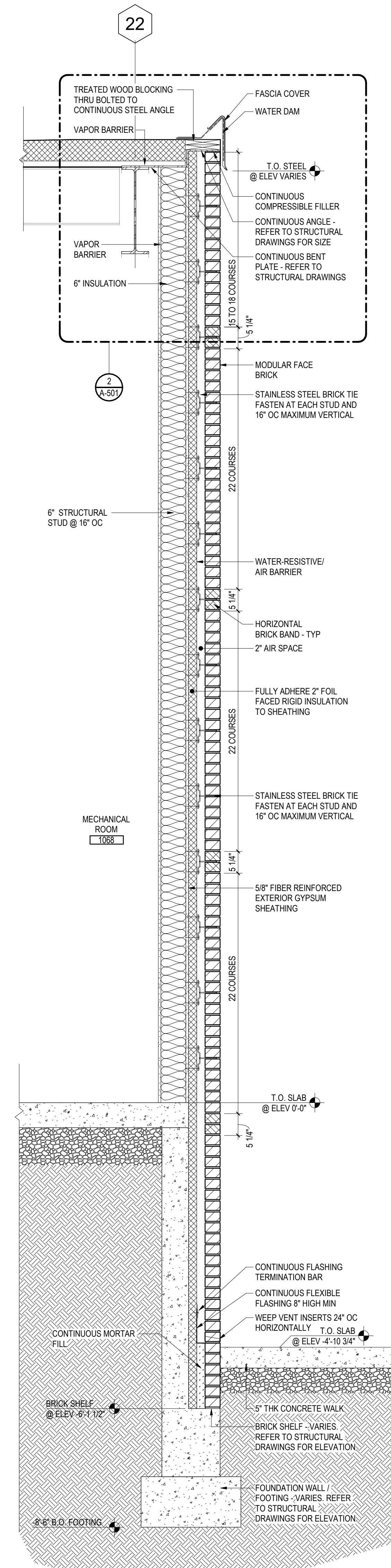
Revision  
2

Drawing No.  
**A-200**

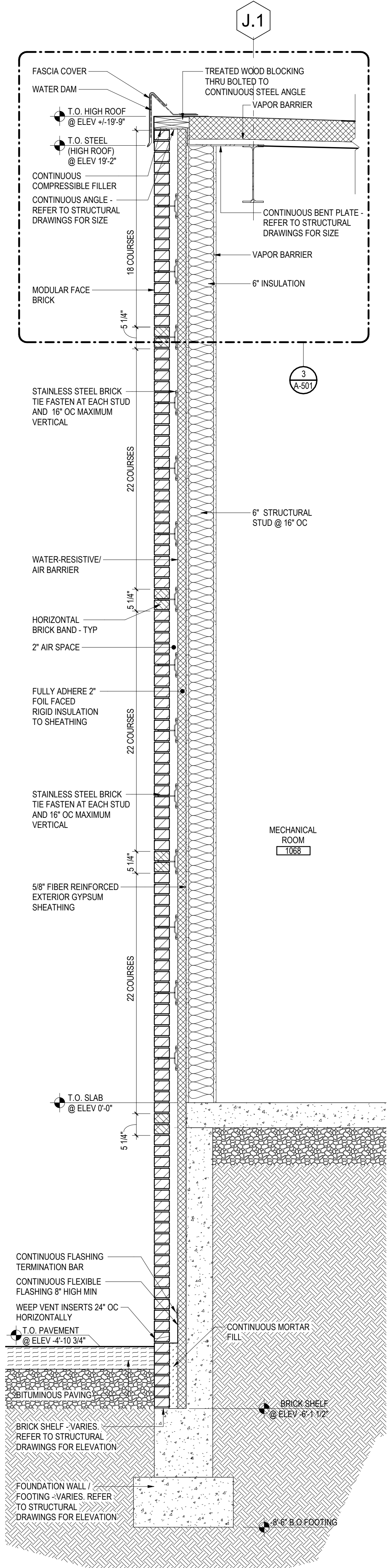
- GENERAL NOTES**
1. NEW BRICK DIMENSIONS, COLOR SELECTIONS INCLUDING BRICK PATTERN SHALL MATCH THOSE INSTALLED ON THE EXISTING BUILDING BIOS BUILDING.
  2. PROVIDE ALUMINUM AND GLASS EXTERIOR WINDOWS ASSEMBLIES THAT MATCH THE APPEARANCE OF THOSE INSTALLED ON THE EXISTING BIOS BUILDING. FACTORY APPLIED GLAZING TINT COLOR SELECTION SHALL MATCH THAT USED ON EXISTING WINDOWS.



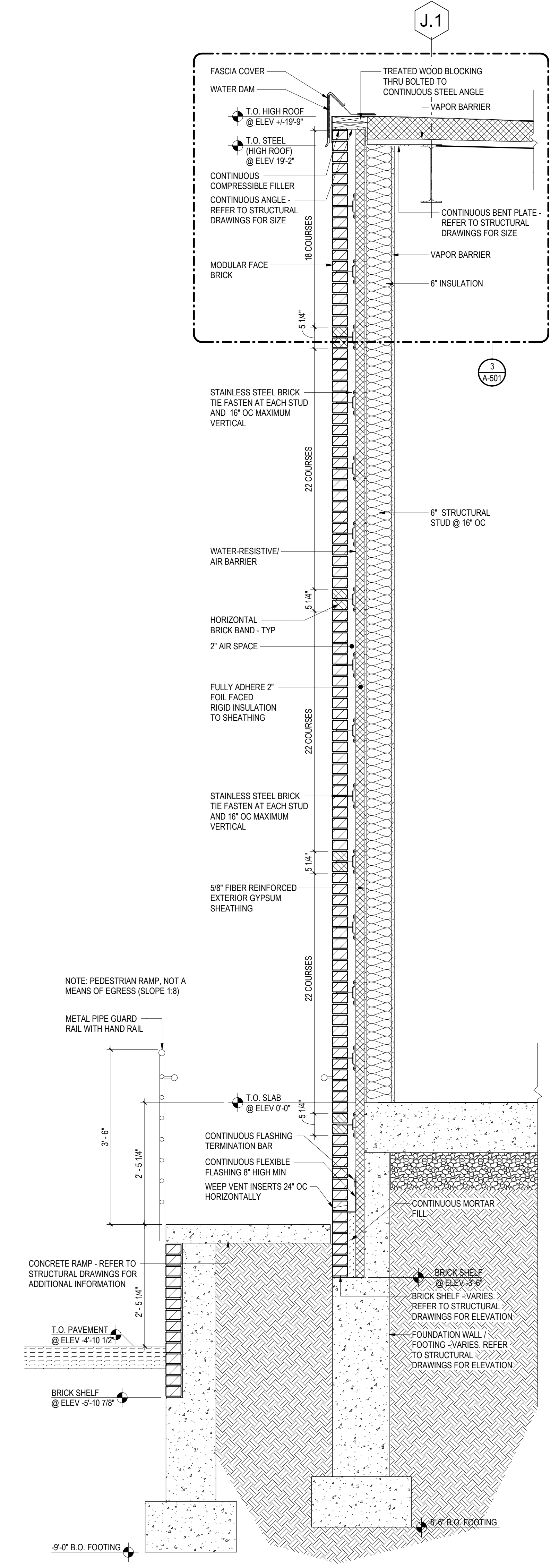
**1**  
A-300  
**WALL SECTION - EAST WALL**  
**BIOS ROOM - LOW ROOF CONDITION**  
SCALE: 3/4" = 1'-0"



**2**  
A-300  
**WALL SECTION - SOUTH WALL**  
**MECHANICAL ROOM**  
SCALE: 3/4" = 1'-0"

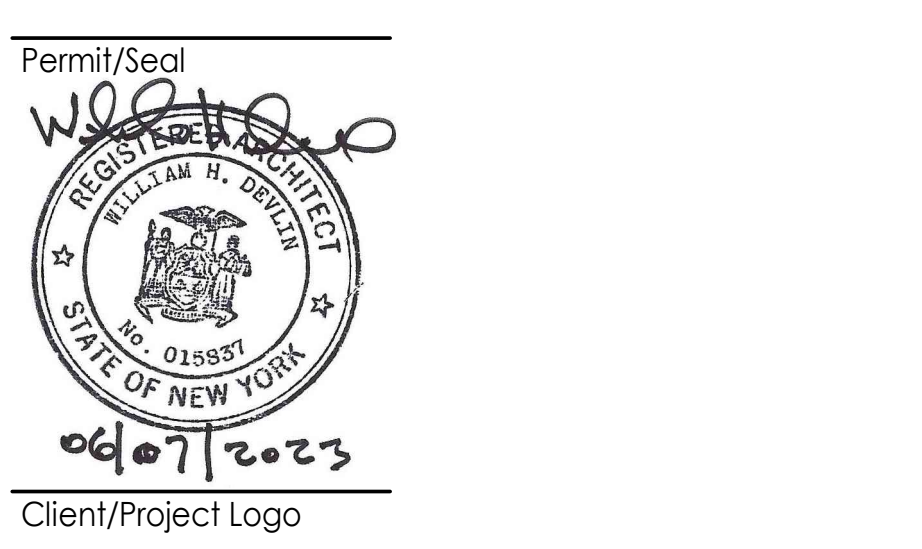


**3**  
A-300  
**WALL SECTION - WEST WALL**  
**MECHANICAL ROOM - HIGH ROOF CONDITION**  
SCALE: 3/4" = 1'-0"



**4**  
A-300  
**WALL SECTION - WEST WALL BEFORE TRUCK**  
**DOCK BIOS ROOM - HIGH ROOF CONDITION**  
SCALE: 3/4" = 1'-0"

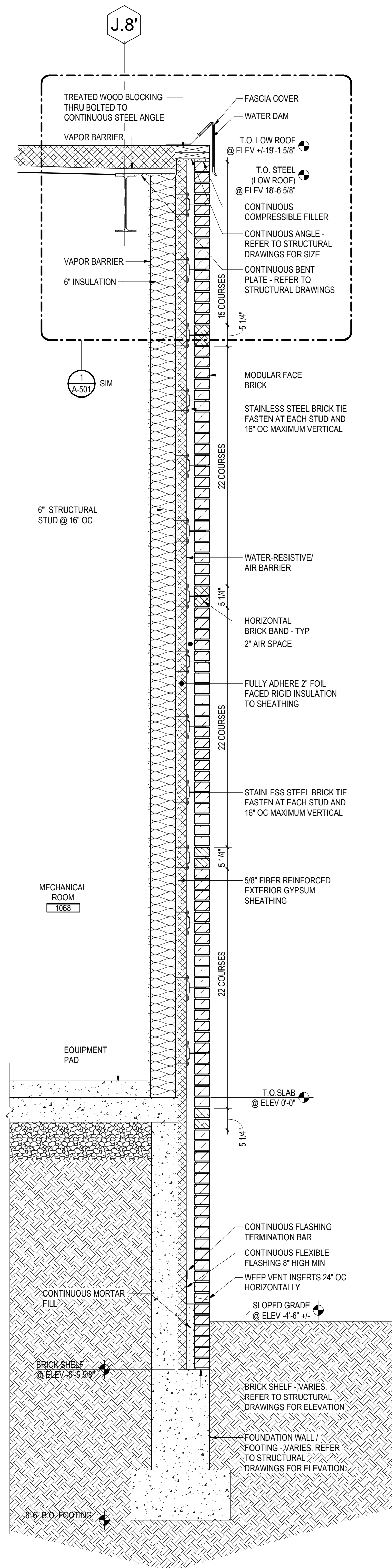
2	PLANNING BOARD SUBMISSION	E,W	WHD	2023.06.07
1	FOR OWNER REVIEW	E,W	WHD	2023.04.05
0	ISSUED FOR PERMIT	E,W	WHD	2023.02.22
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	File Name: N/A	Author:	Designer:	Checker:
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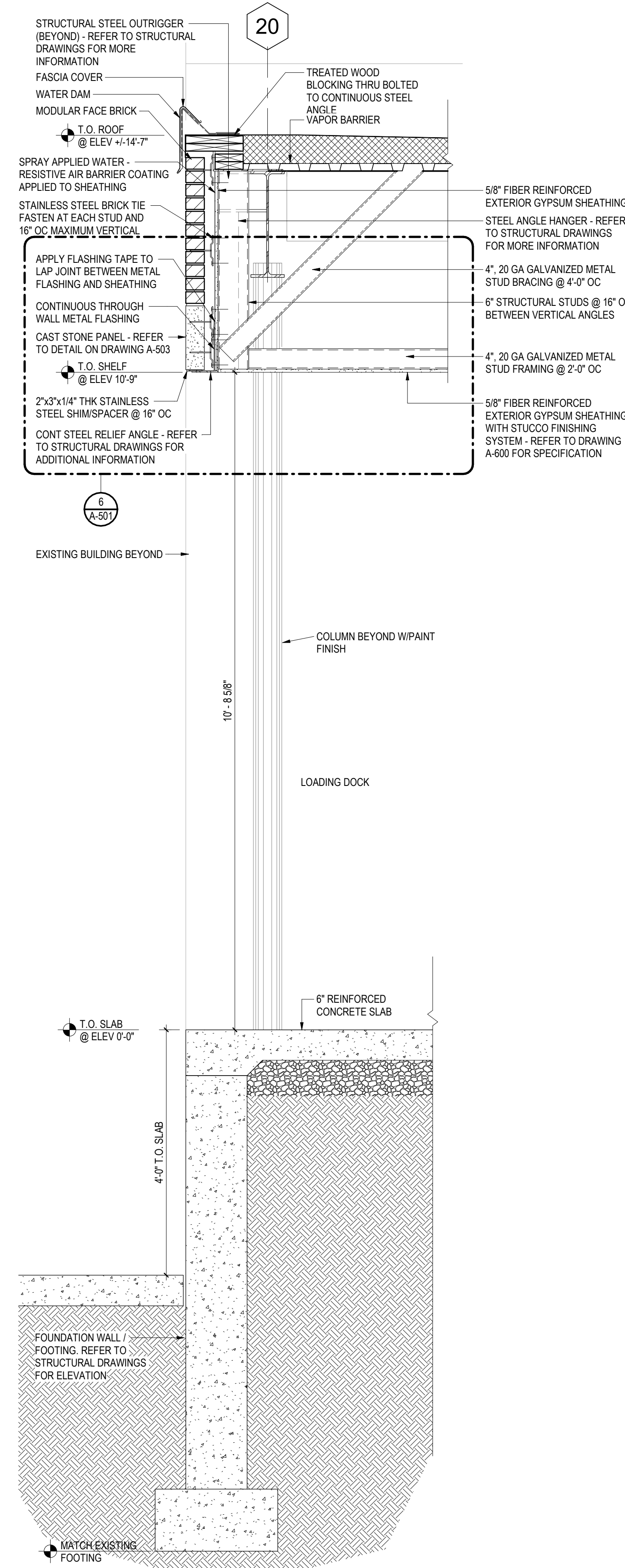
Client/Project  
Pfizer Global Research and Development  
Hamilton BiOS #2 Addition  
Pearl River, NY  
Title  
ARCHITECTURAL WALL SECTIONS

**GENERAL NOTES**

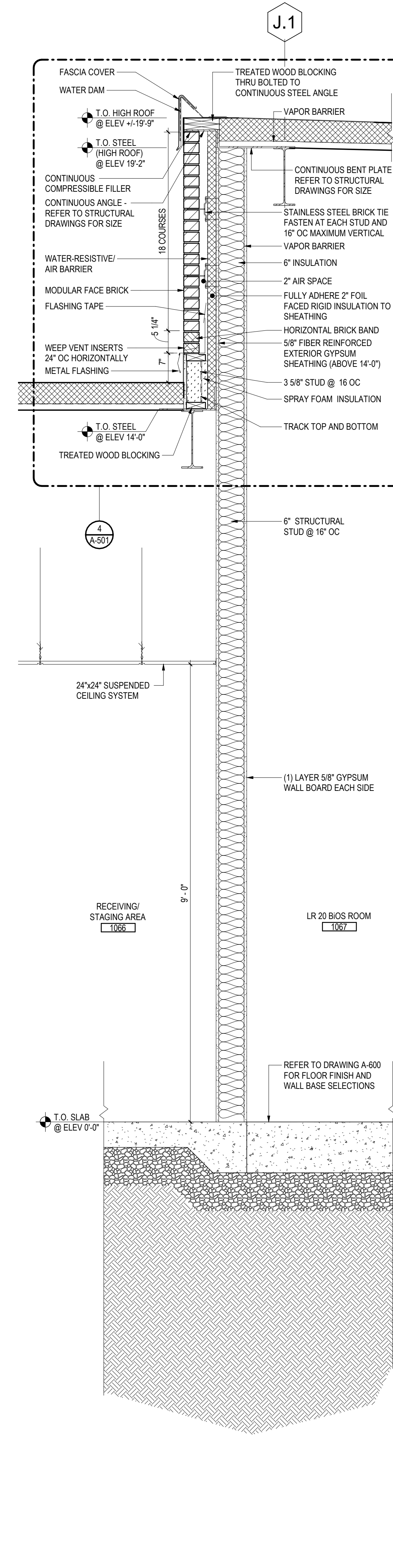
1. FURNISH AND INSTALL SPRAY APPLIED AIR & WATER BARRIER SYSTEM AS SHOWN ON THE DRAWINGS. AIR & WATER BARRIER SYSTEM SHALL BE R-GUARD SPRAY WRAP MVP AS MANUFACTURED BY PROSOCO INC. OR ARCHITECT APPROVED EQUAL. SHEATHING GAPS 1/4 INCH OR GREATER, INSTALL BACKER ROD WITH COMPATIBLE SEALANT PRIOR TO APPLICATION OF AIR & WATER BARRIER SYSTEM.



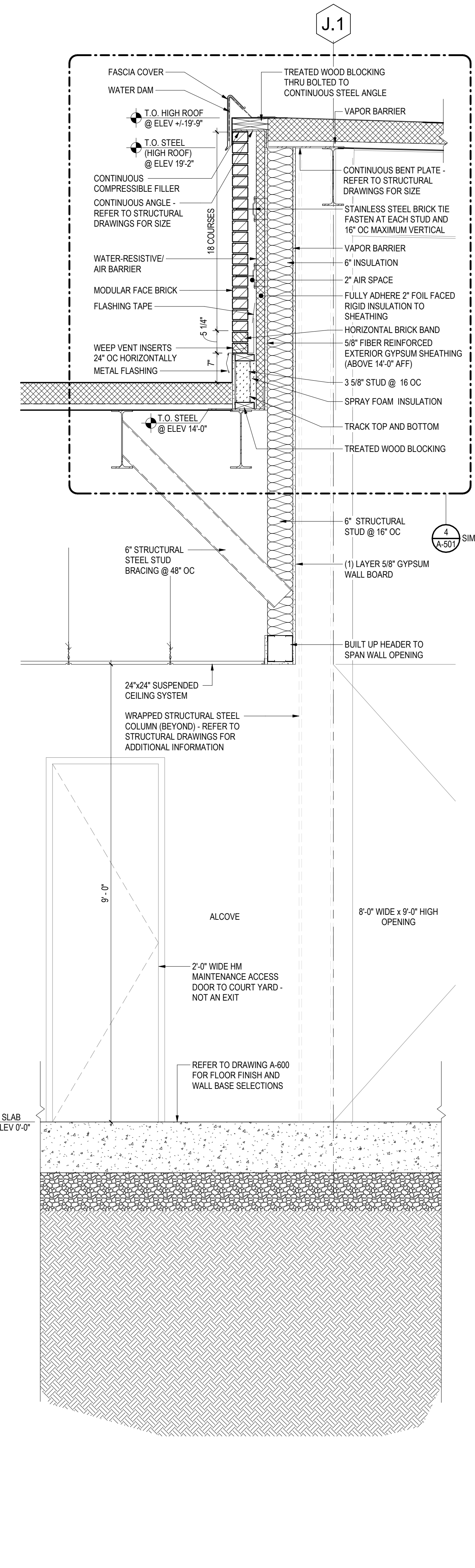
**1 WALL SECTION - EAST WALL MECHANICAL ROOM - LOW ROOF CONDITION**  
SCALE: 3/4" = 1'-0"



**2 WALL SECTION - LOADING DOCK**  
SCALE: 3/4" = 1'-0"

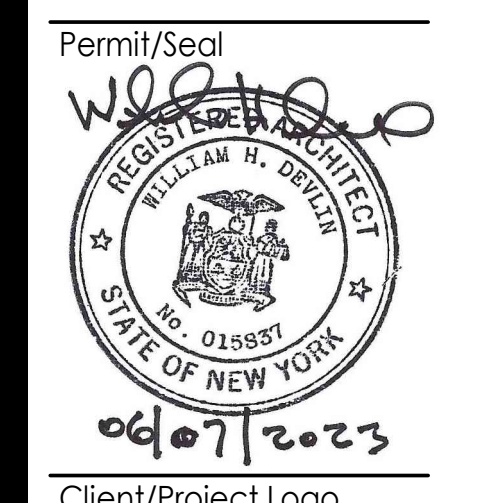


**3 WALL SECTION - RECEIVING / BIOS ROOM**  
SCALE: 3/4" = 1'-0"



**4 WALL SECTION - ALCOVE / BIOS ROOM**  
SCALE: 3/4" = 1'-0"

2	PLANNING BOARD RESUBMISSION	RJW	WHD	2023.06.07
1	FOR OWNER REVIEW	RJW	WHD	2023.04.05
0	ISSUED FOR PERMIT	RJW	WHD	2023.02.22
	Issued/Revision	By	App'd	YYYY.MM.DD
	File Name: N/A	Author: N/A	Designer: N/A	Checker: G4/2617
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Client/Project Logo

Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

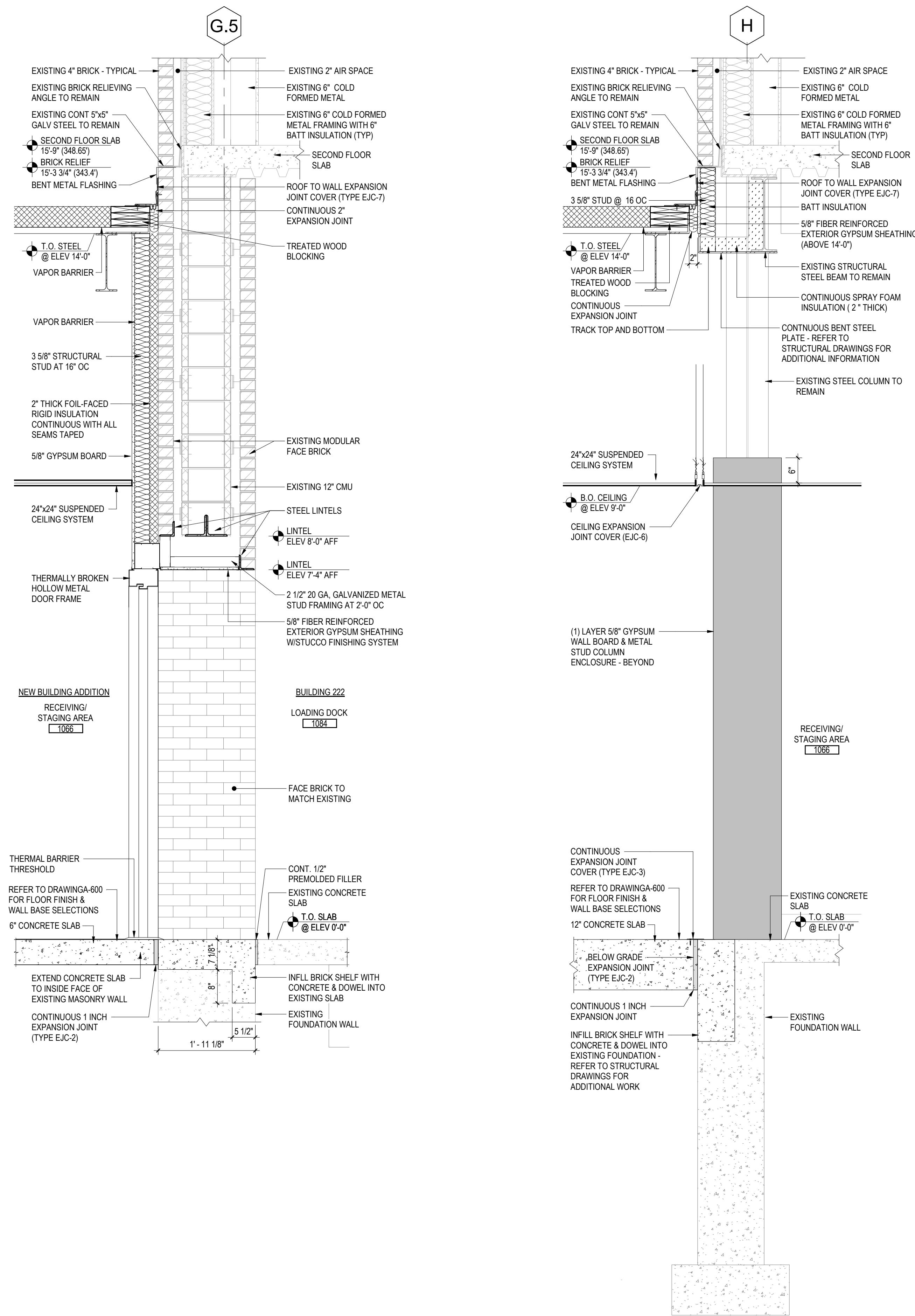
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ARCHITECTURAL WALL SECTIONS

Project No.  
191501254

Scale  
As indicated

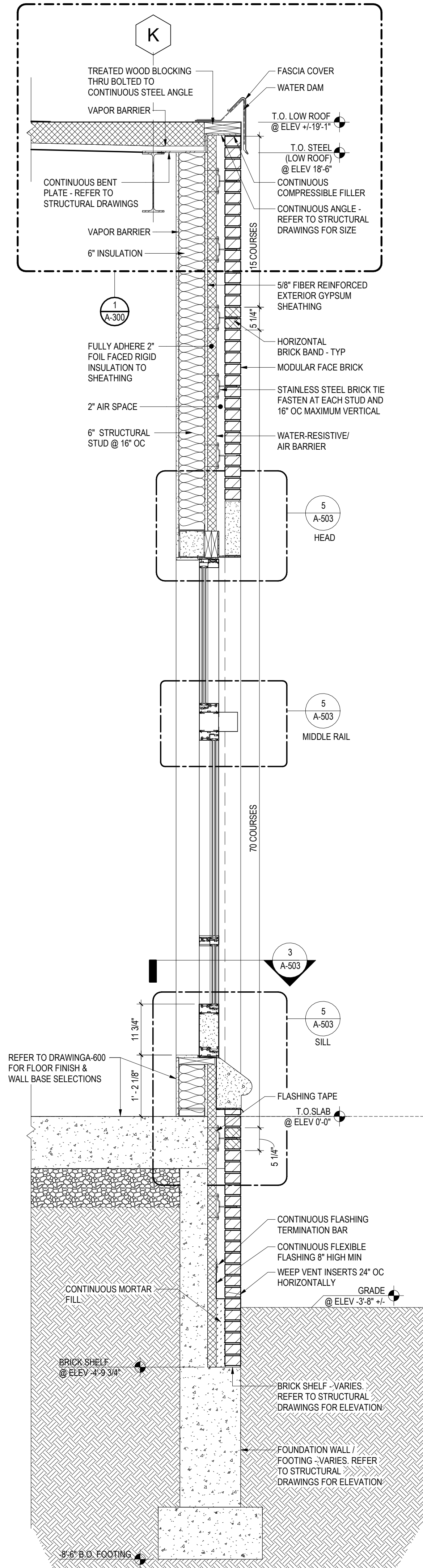
Revision  
2

Drawing No.  
**A-301**

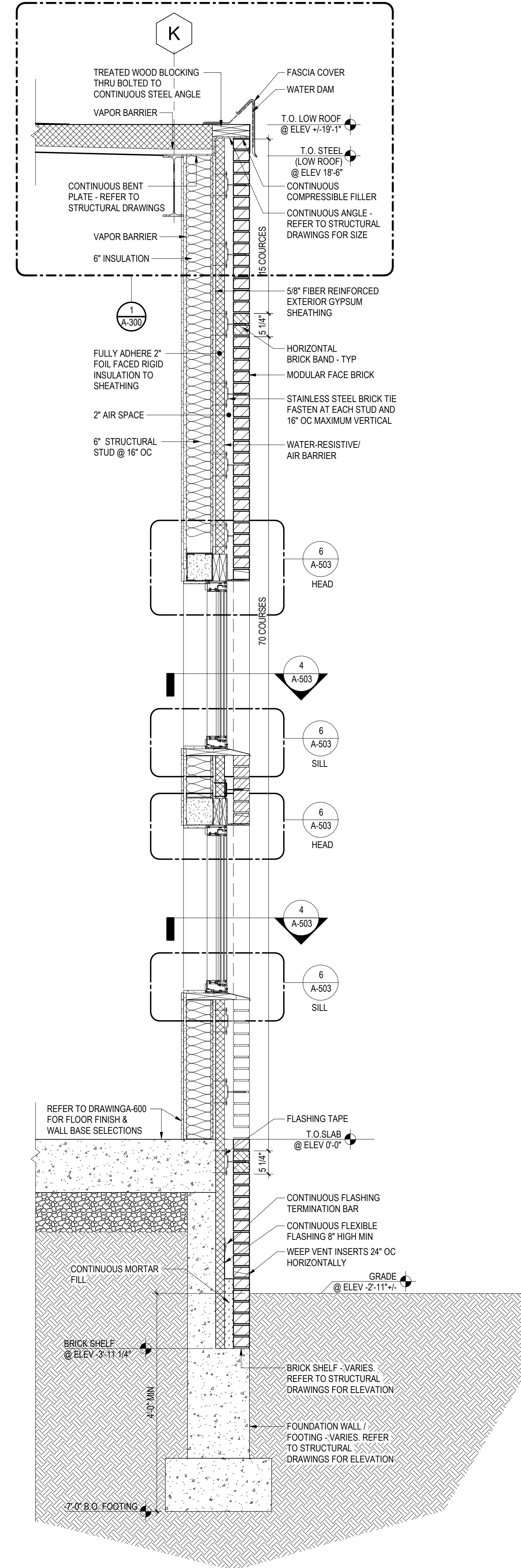


**1 WALL SECTION @ LOADING DOCK DOOR**  
SCALE: 3/4" = 1'-0"

**2 WALL SECTION - NEW ROOF CONNECTION @ BUILDING 222**  
SCALE: 3/4" = 1'-0"



**3 WALL SECTION - WINDOW TYPE**  
SCALE: 3/4" = 1'-0"



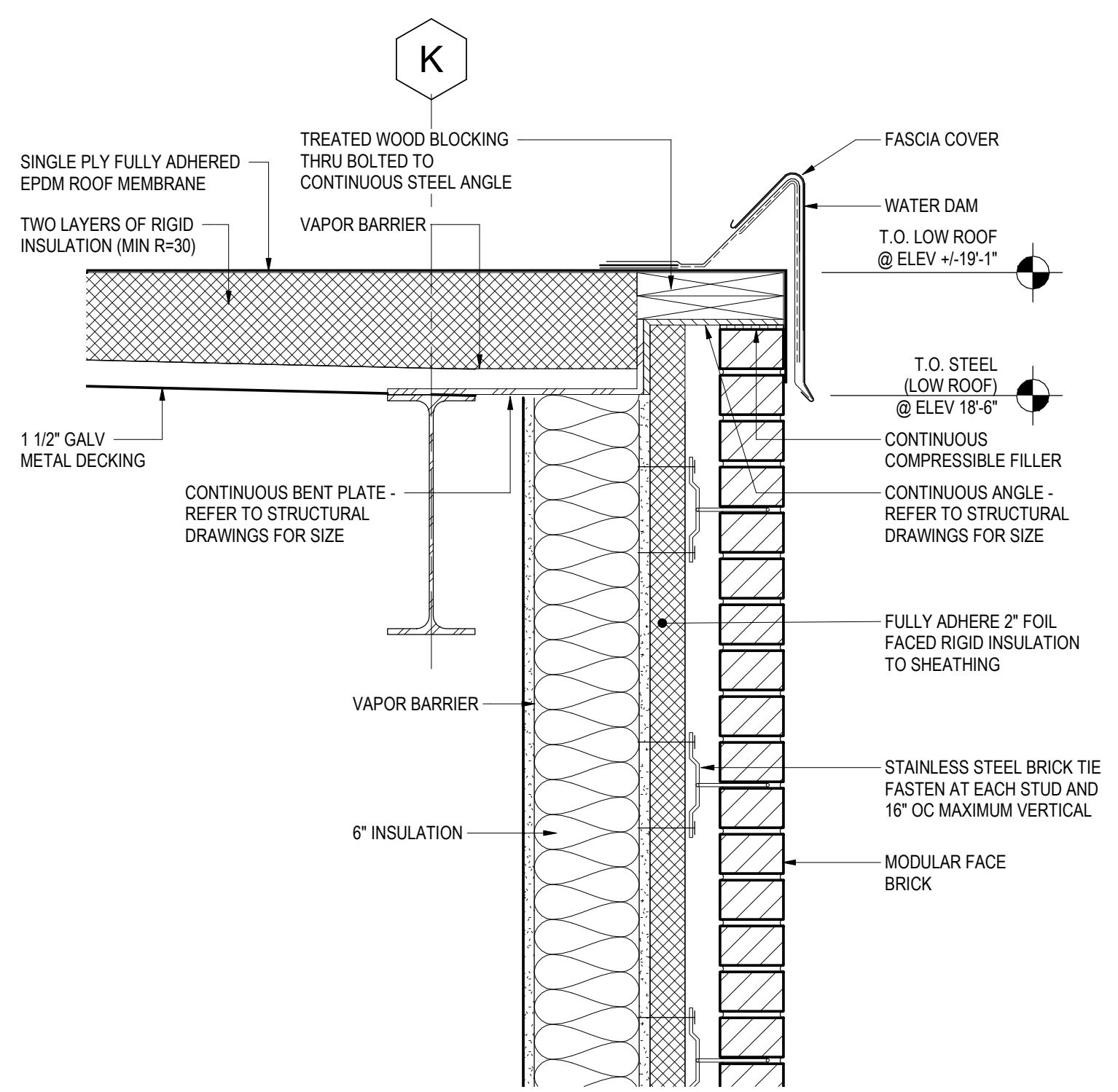
**4 WALL SECTION - WINDOW TYPE**  
SCALE: 3/4" = 1'-0"

Issued/Revision	By	App'd	Check'd	Date
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0 FOR OWNERS REVIEW	R/W	WHD		2023.04.05

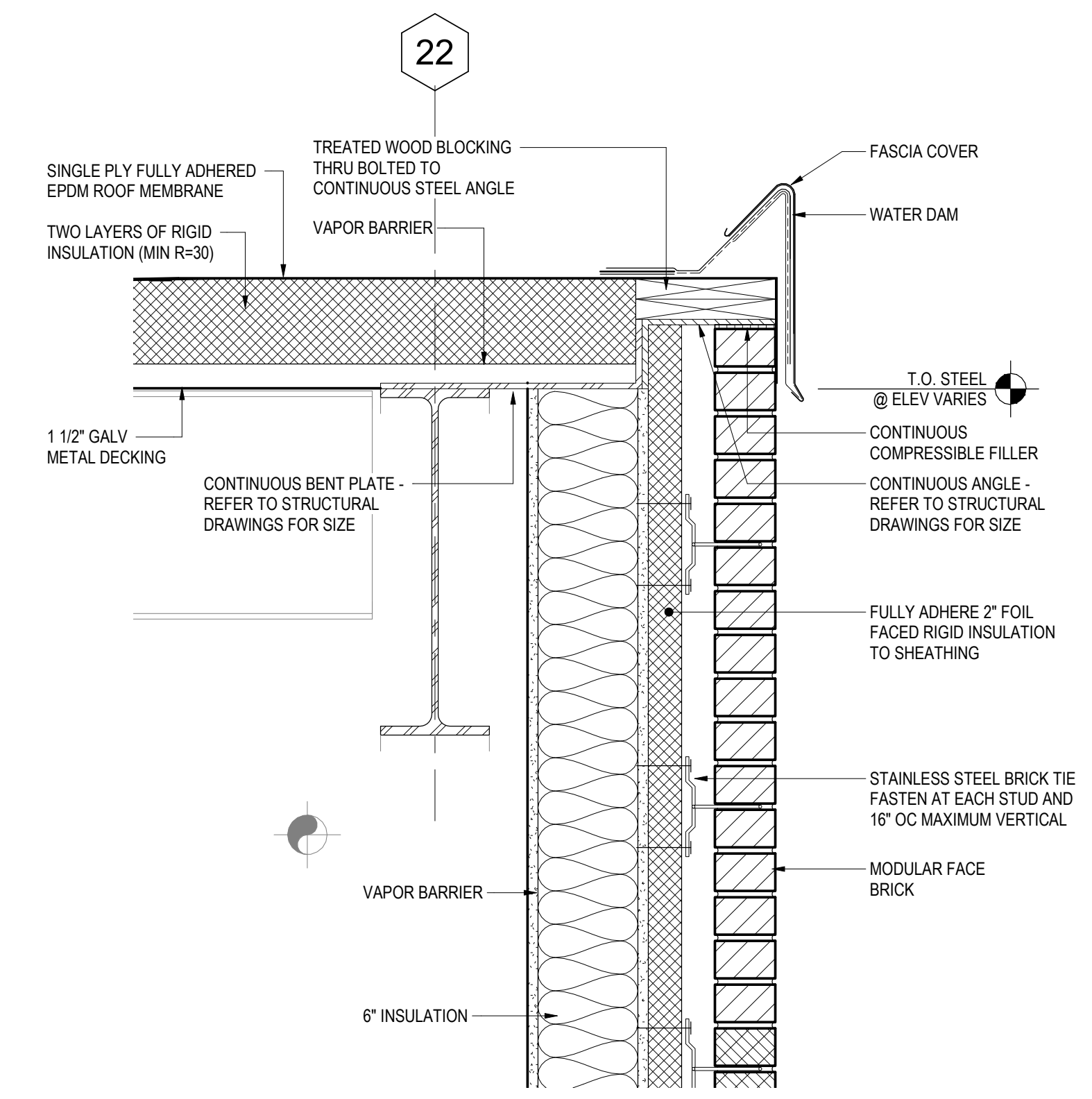
Permit/Seal  
  
 Client/Project Logo

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 Client/Project  
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 Hamilton BiOS #2 Addition  
 Pearl River, NY  
 Title  
 ARCHITECTURAL WALL SECTIONS

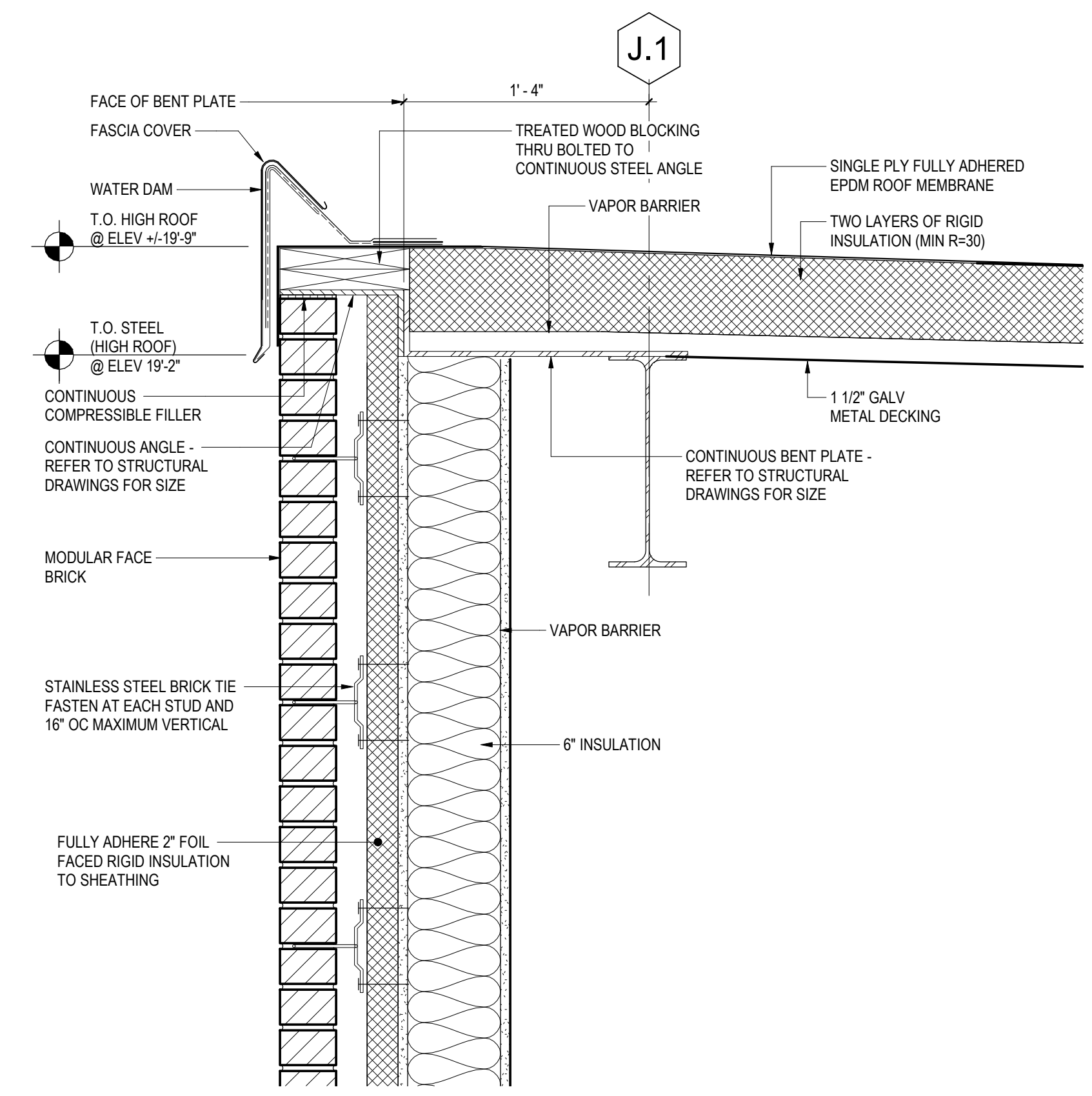
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A



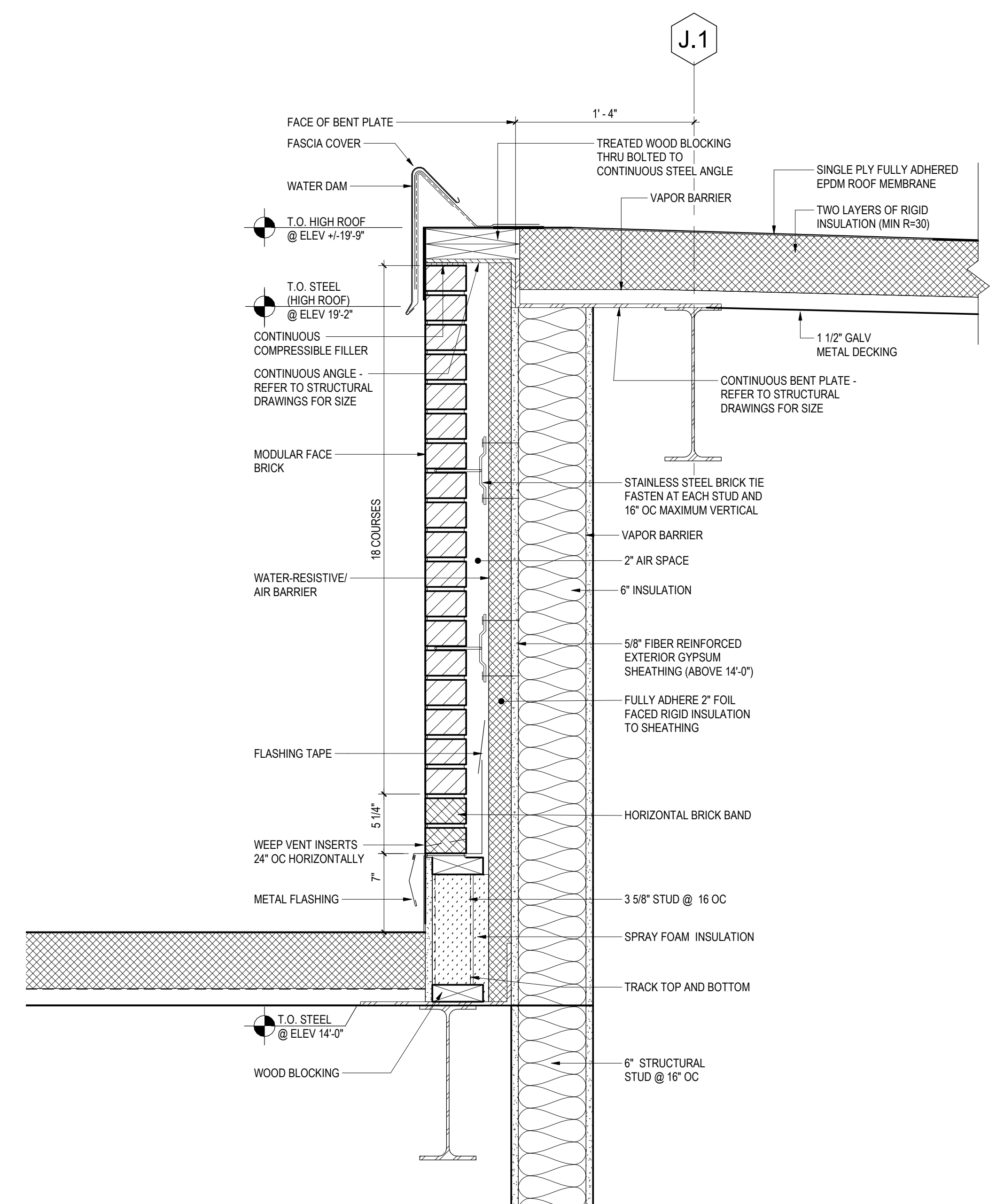
**1 EAST WALL @ ROOF CONNECTION**  
A-501 SCALE: 1 1/2" = 1'-0"



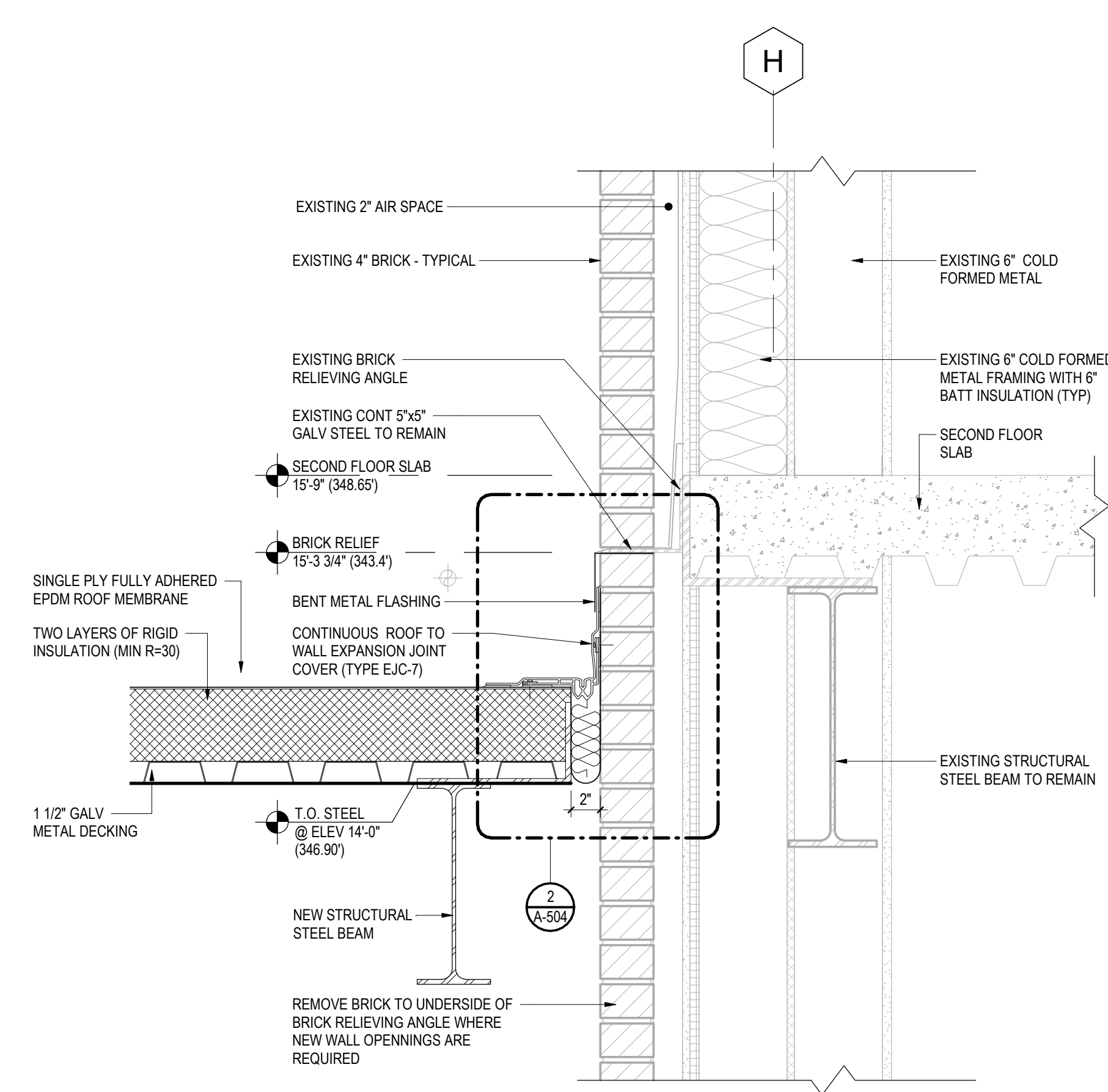
**2 SOUTH WALL @ ROOF CONNECTION**  
A-501 SCALE: 1 1/2" = 1'-0"



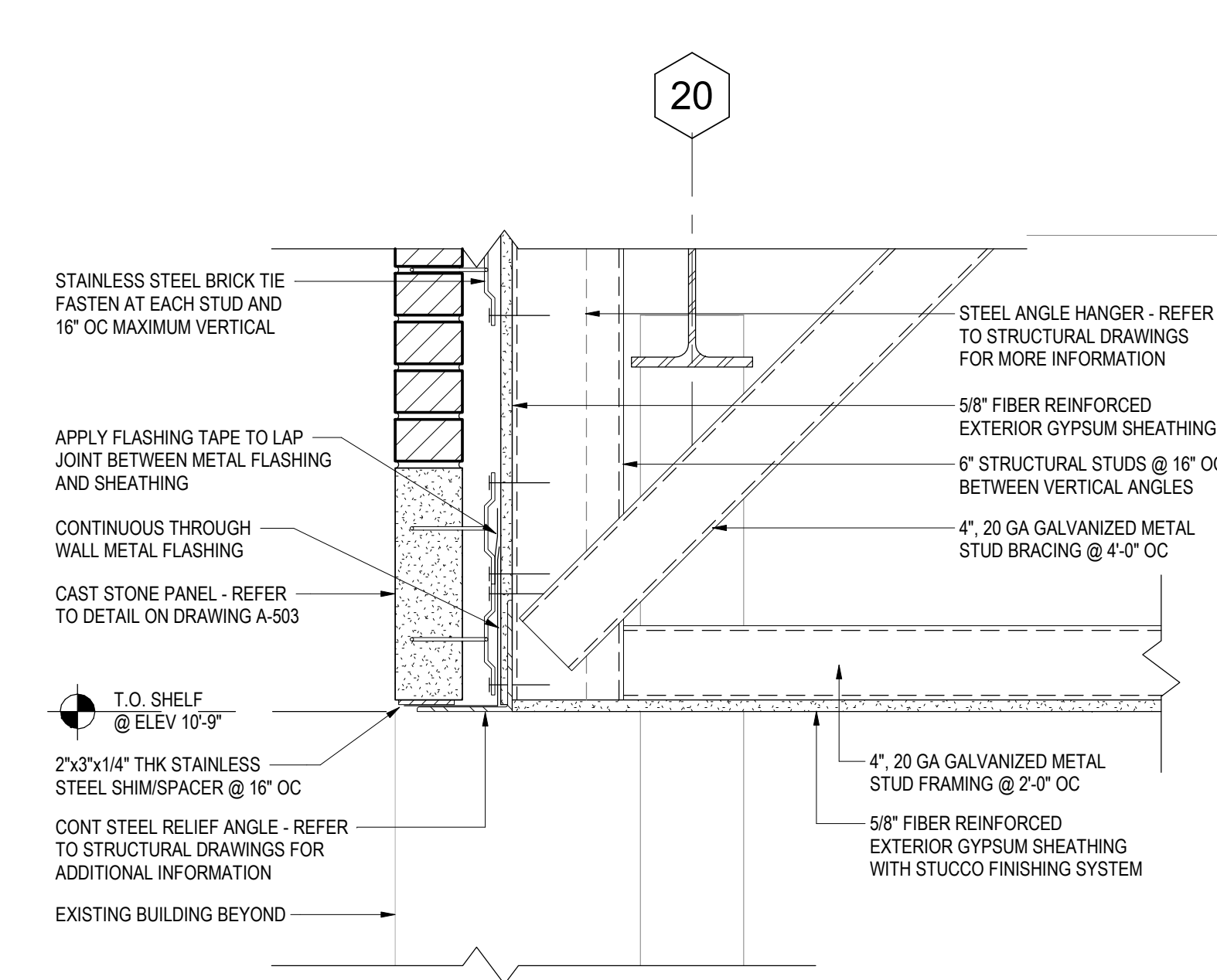
**3 WEST WALL @ ROOF CONNECTION**  
A-501 SCALE: 1 1/2" = 1'-0"



**4 LOW ROOF / WALL CONNECTION**  
A-501 SCALE: 1 1/2" = 1'-0"

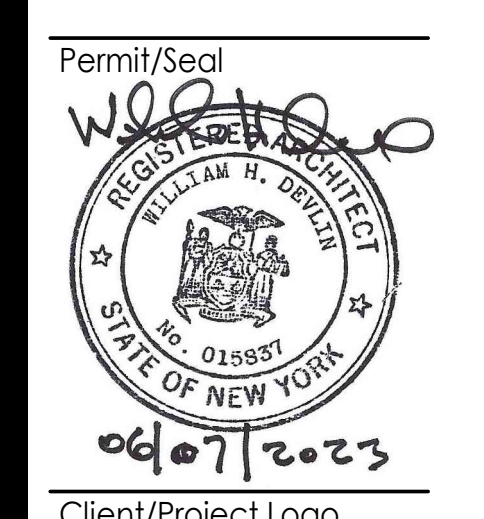


**5 WALL SECTION - NEW ROOF CONNECTION @ BUILDING 22**  
A-501 SCALE: 1 1/2" = 1'-0"



**6 CANOPY DETAIL AT LOADING DOCK**  
A-501 SCALE: 1 1/2" = 1'-0"

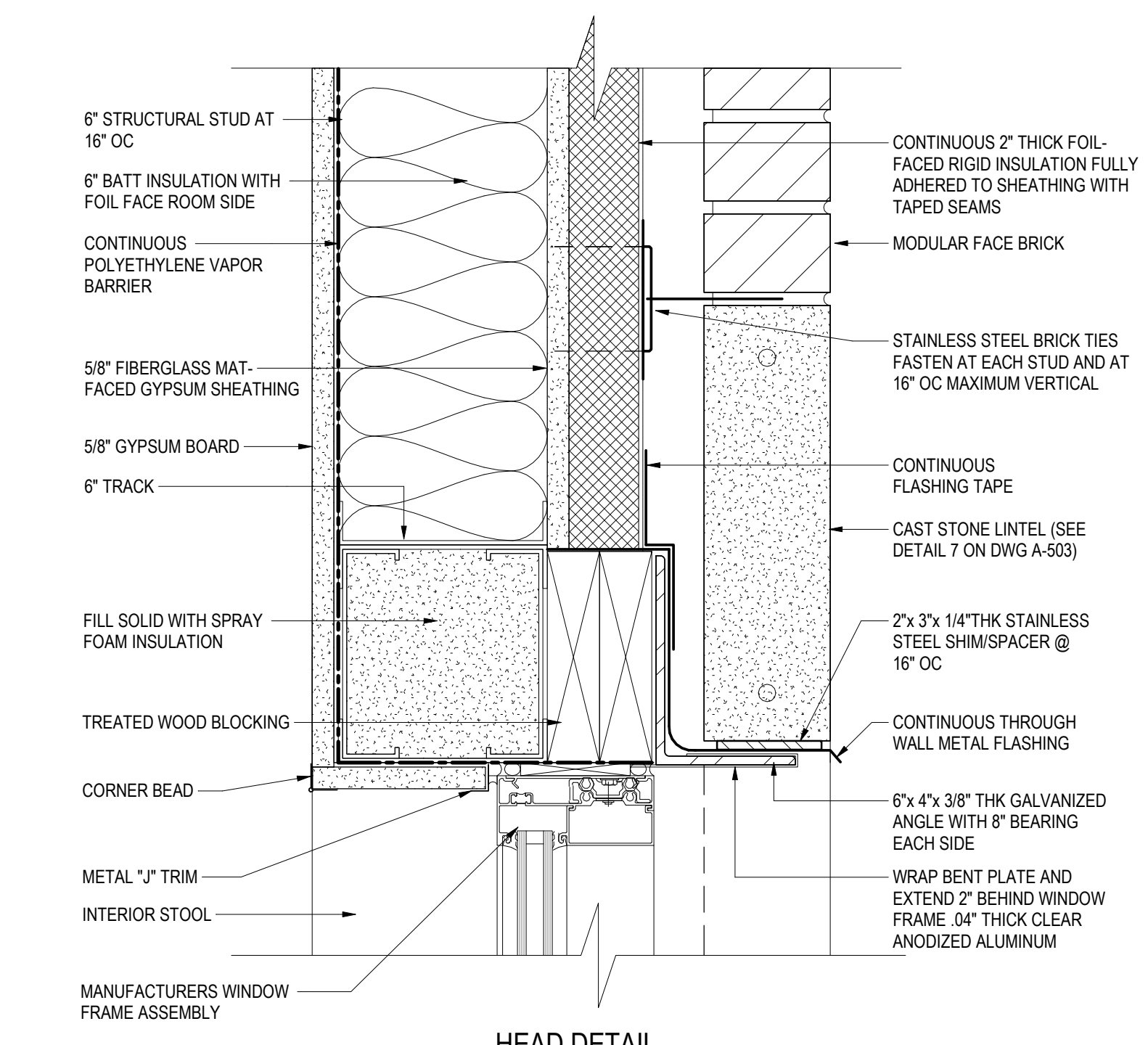
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1	Issued/Revision	By	Appd	YYYY.MM.DD
File Name:	N/A	Author:	Designer:	Checker:
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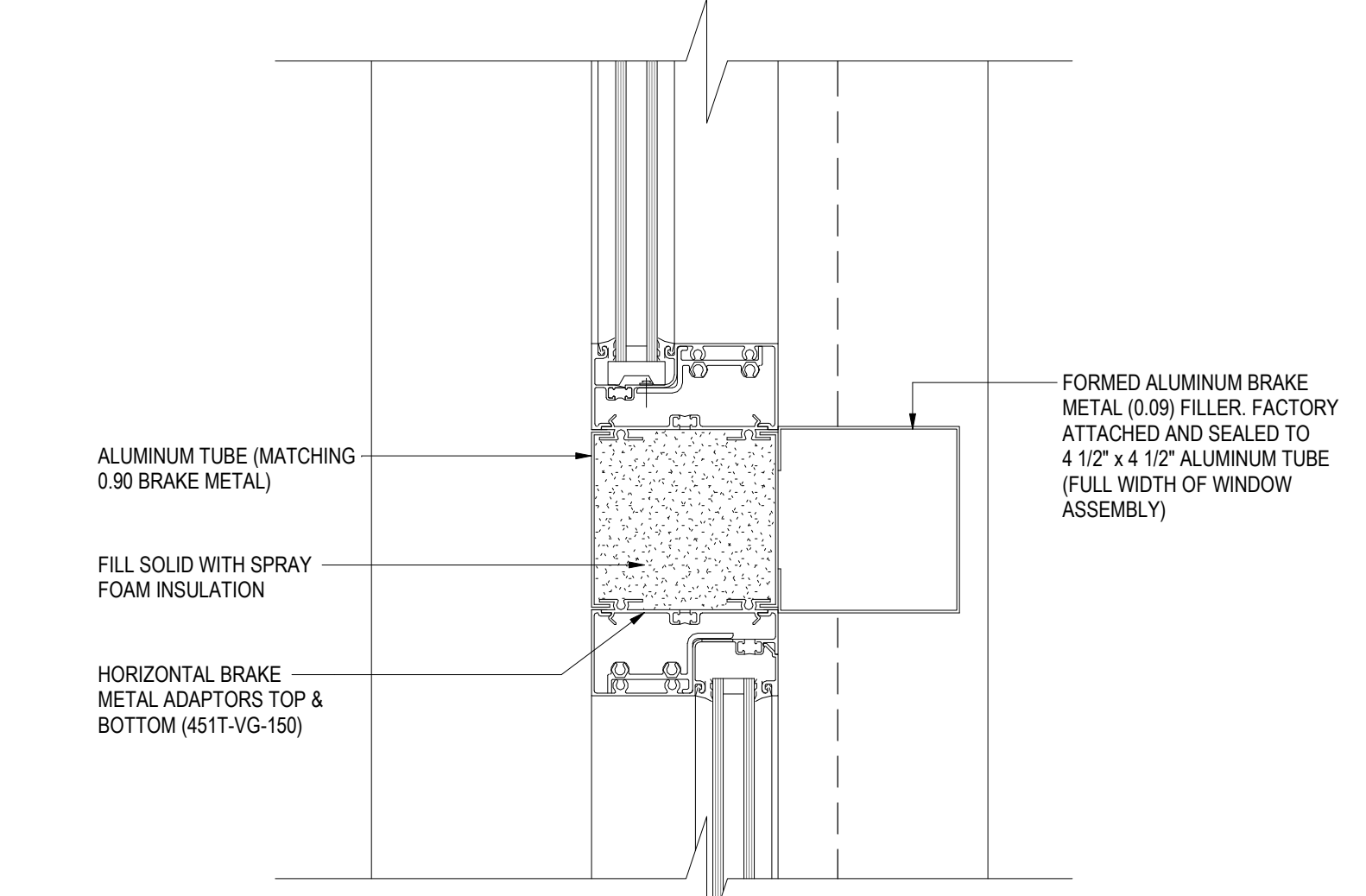
Client/Project  
Pfizer Global Research and Development  
Hamilton BiOS #2 Addition  
Pearl River, NY  
Title  
WALL CONNECTION DETAILS

**GENERAL NOTES**  
1. WRAP WOOD BLOCK AT HEAD AND SILL OF WINDOWS WITH DAMP PROOFING MEMBRANE (DPM).

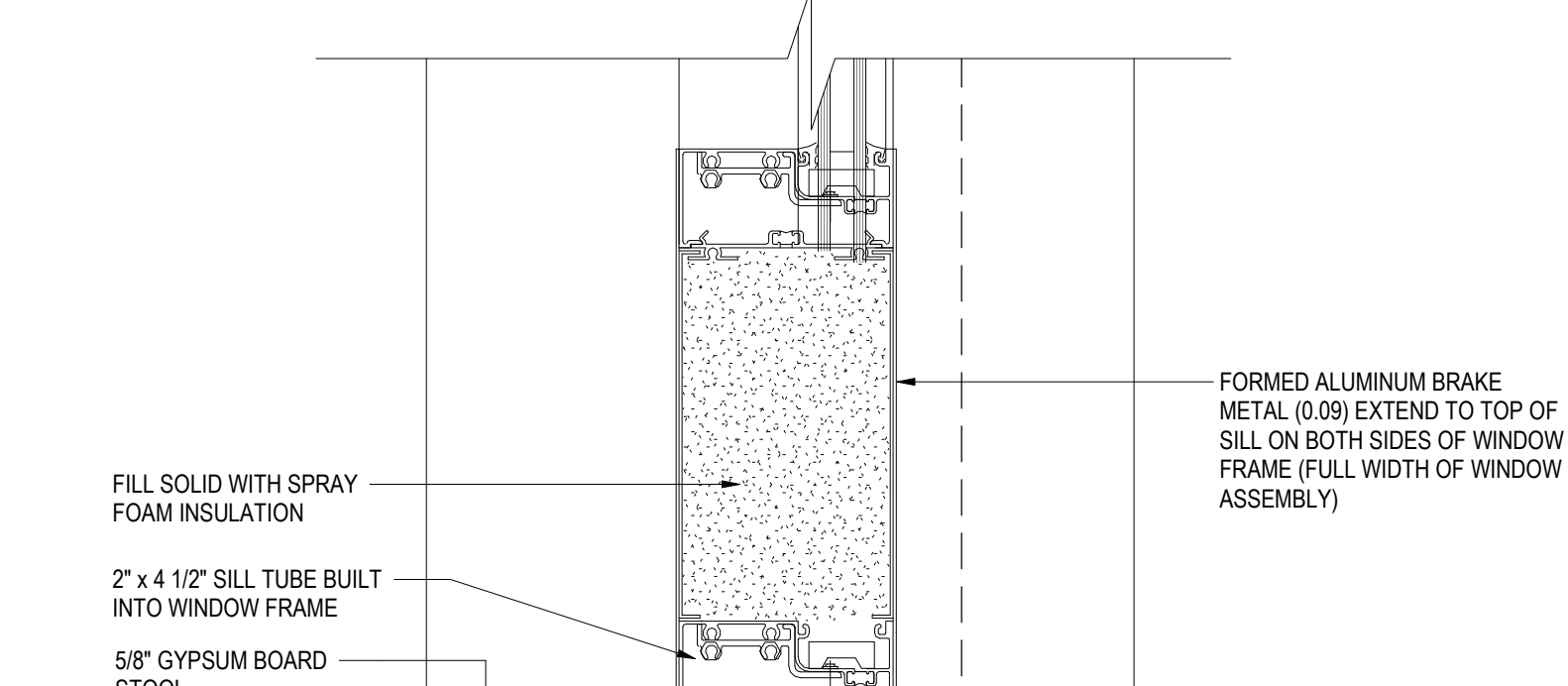
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**HEAD DETAIL**

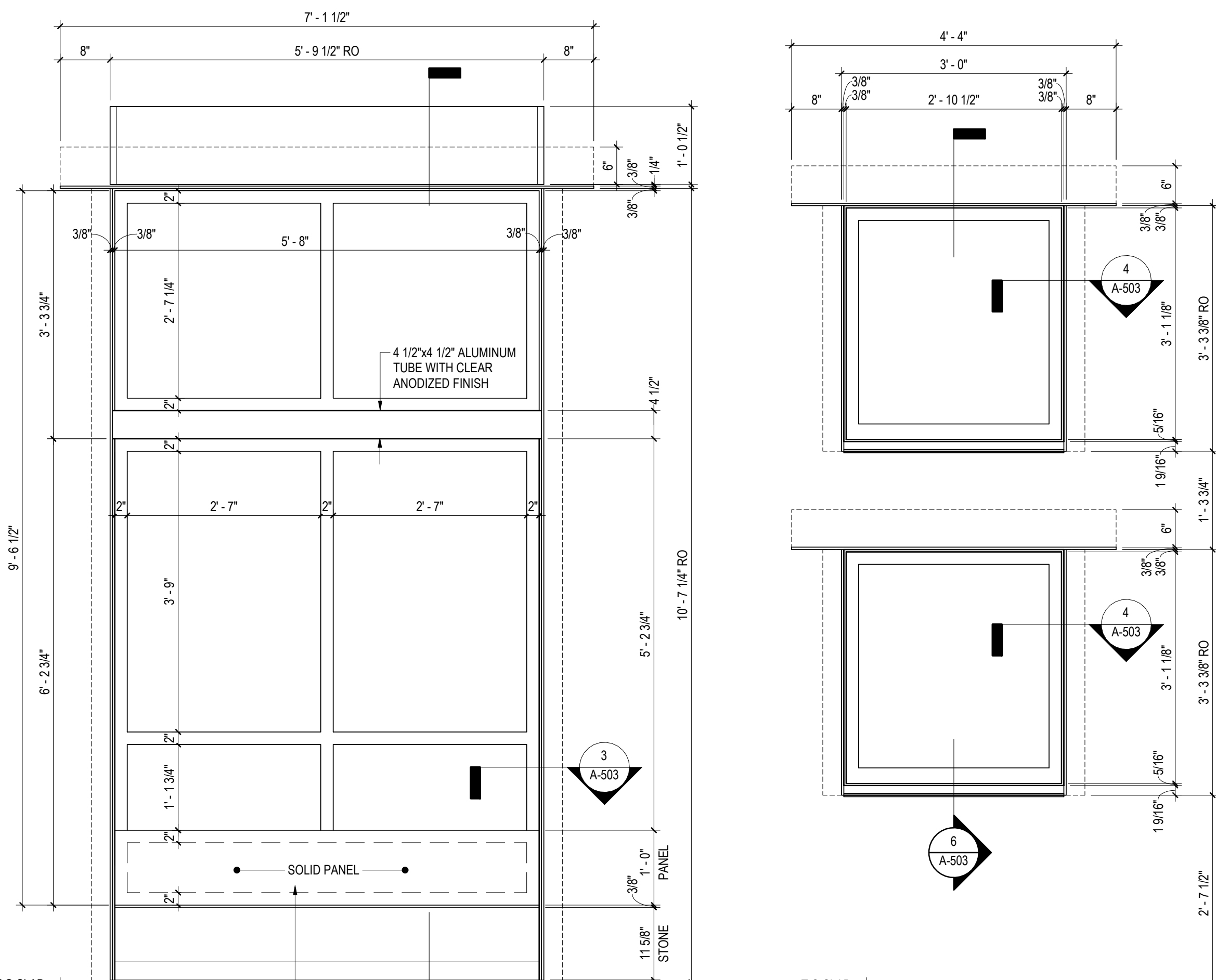


**MIDDLE RAIL**



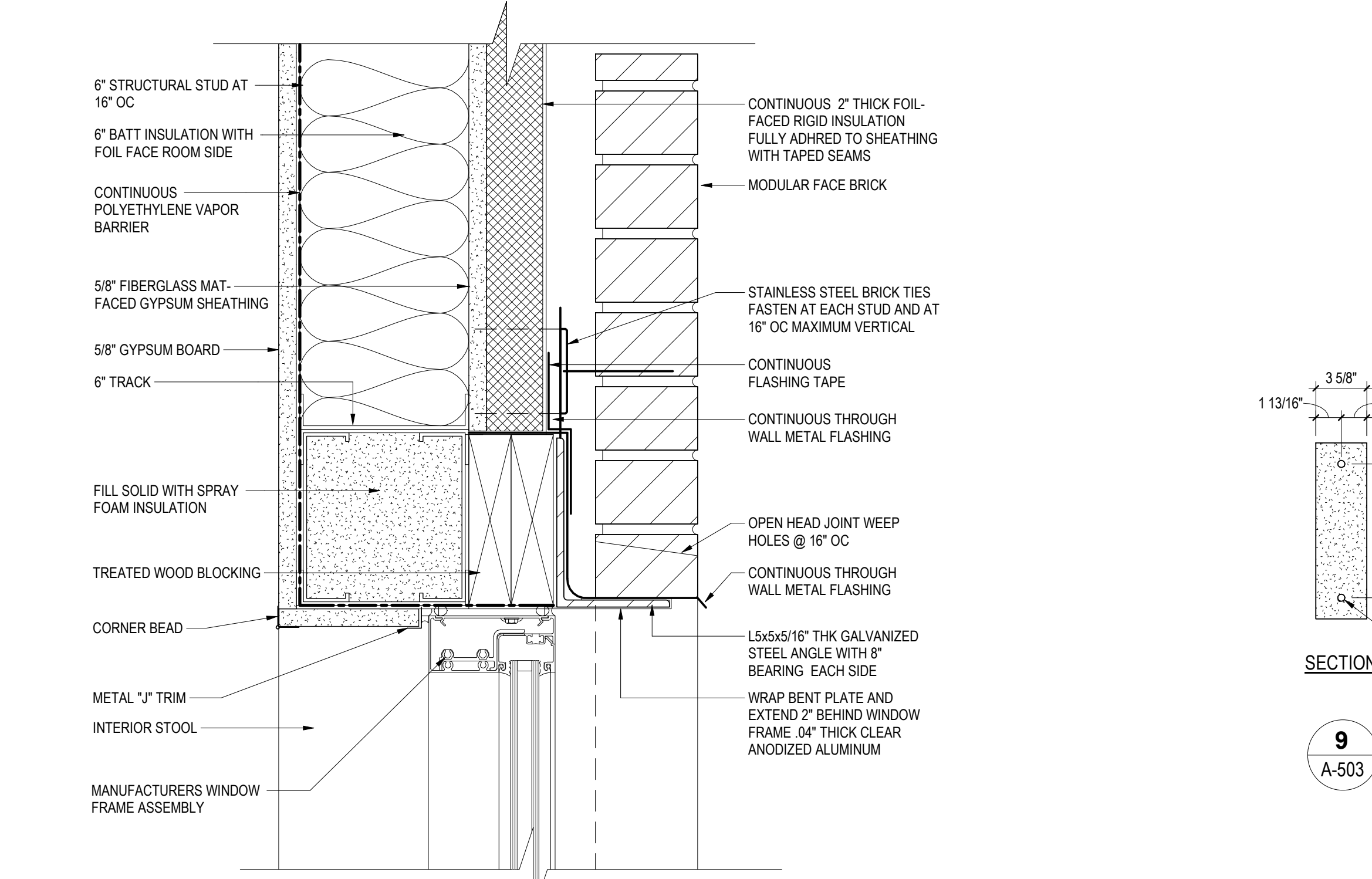
**SILL DETAIL**

**5 WINDOW TYPE 1 DETAIL**  
A-503 SCALE: 3" = 1'-0"

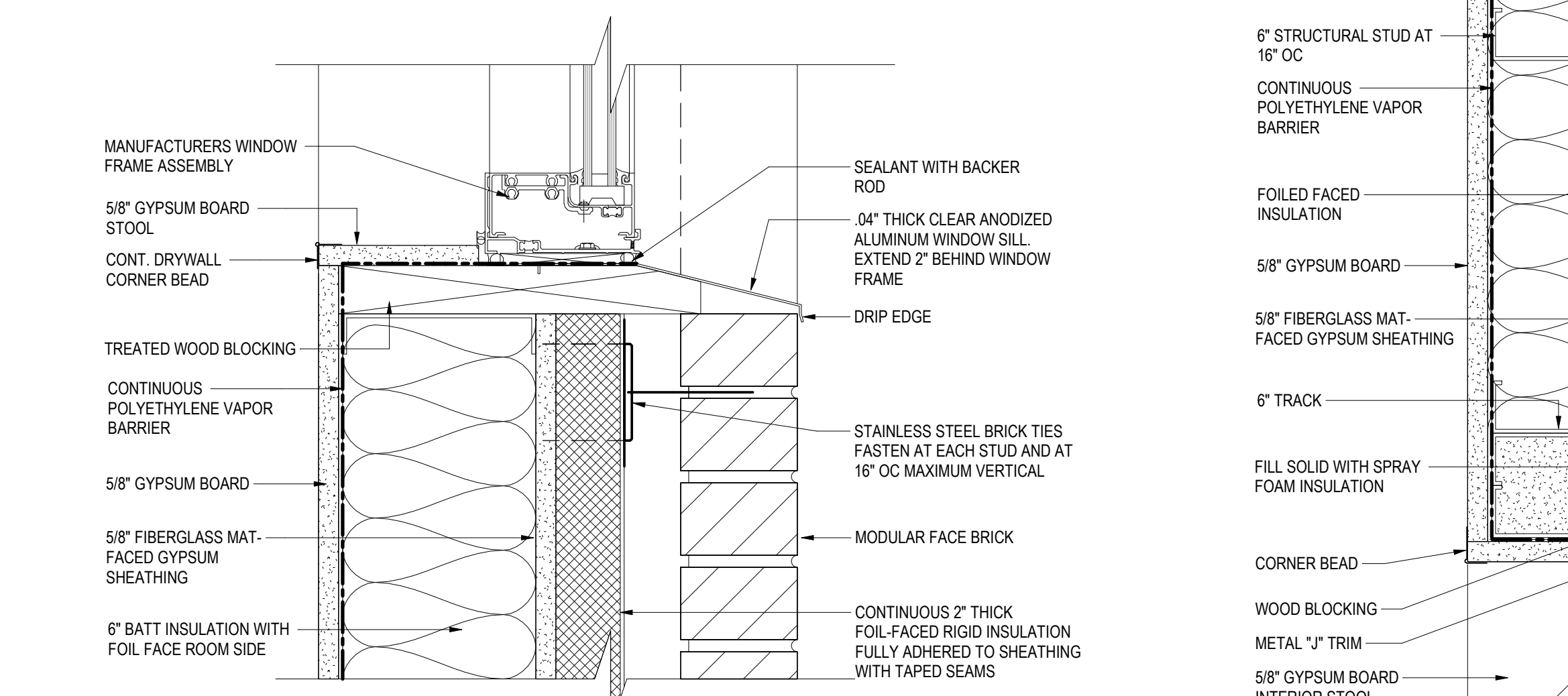


**1 WINDOW TYPE 1 EXTERIOR ELEVATION**  
A-503 SCALE: 3/4" = 1'-0"

**2 WINDOW TYPE 2 EXTERIOR ELEVATION**  
A-503 SCALE: 3/4" = 1'-0"



**HEAD DETAIL**

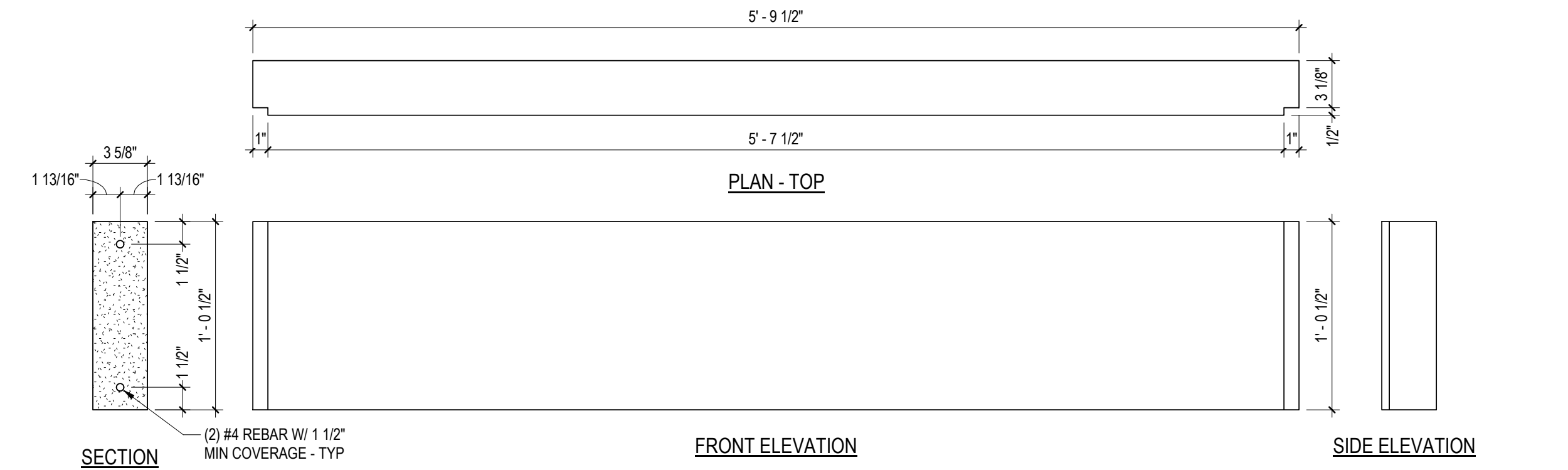


**SILL DETAIL**

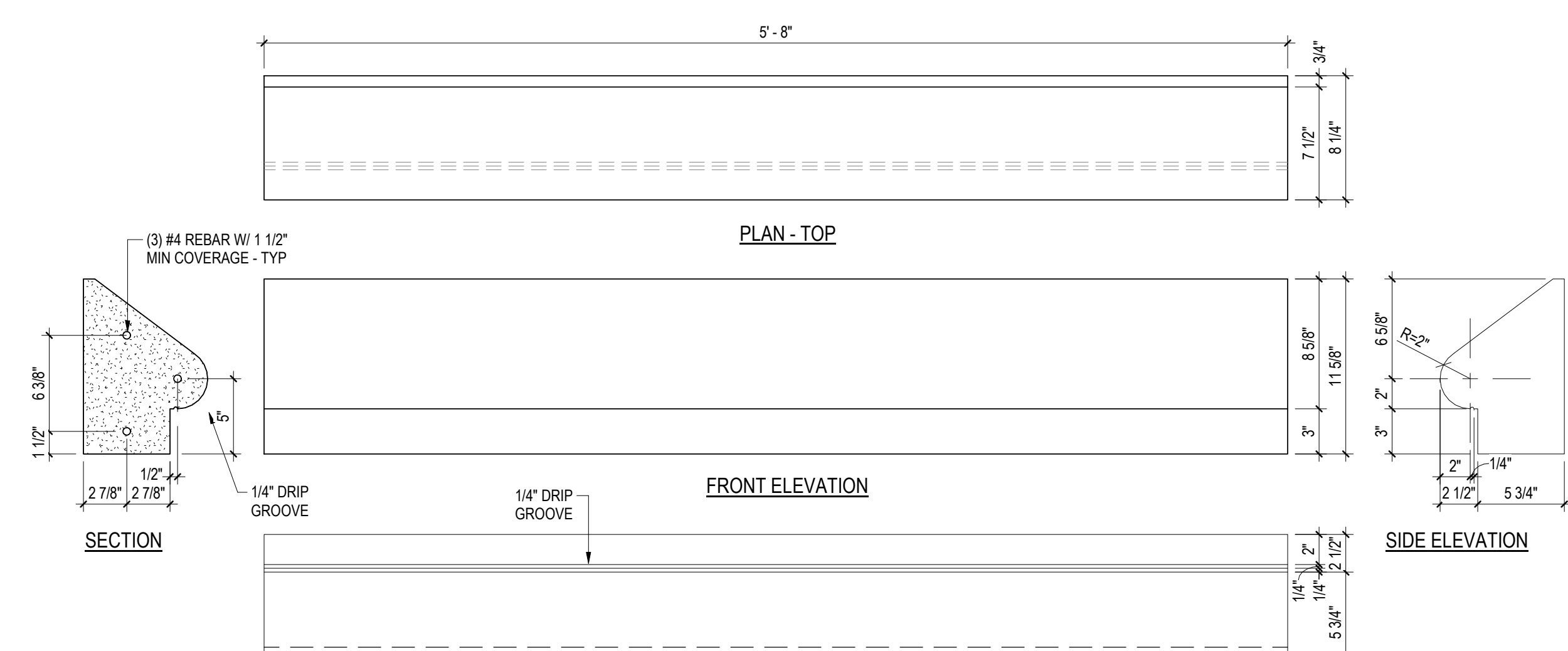
**6 WINDOW TYPE 2 DETAIL**  
A-503 SCALE: 3" = 1'-0"

**3 WINDOW TYPE 1 JAMB SECTION**  
A-503 SCALE: 3" = 1'-0"

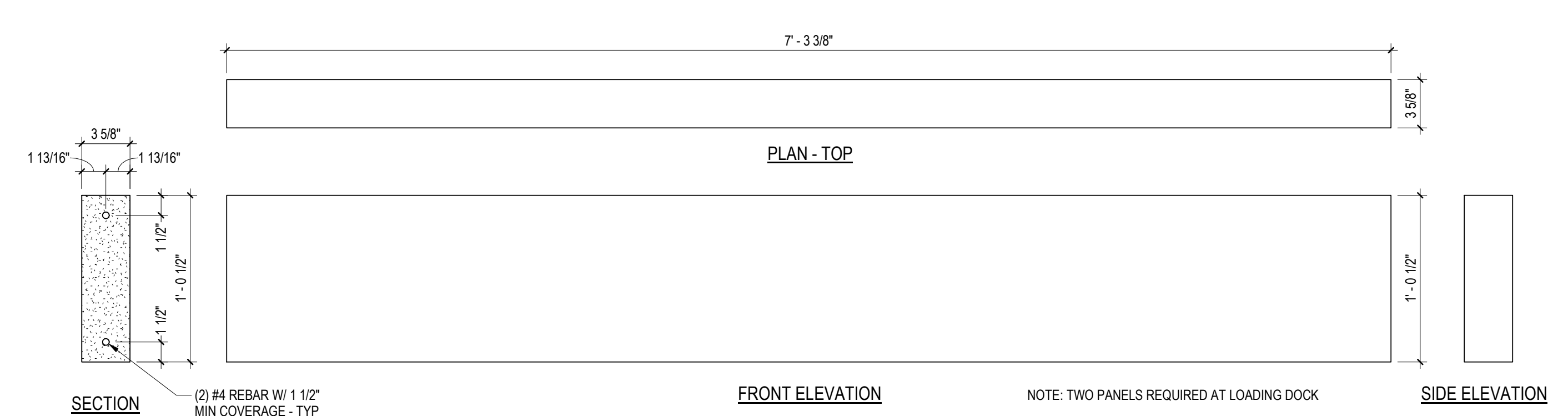
**4 WINDOW TYPE 2 JAMB SECTION**  
A-503 SCALE: 3" = 1'-0"



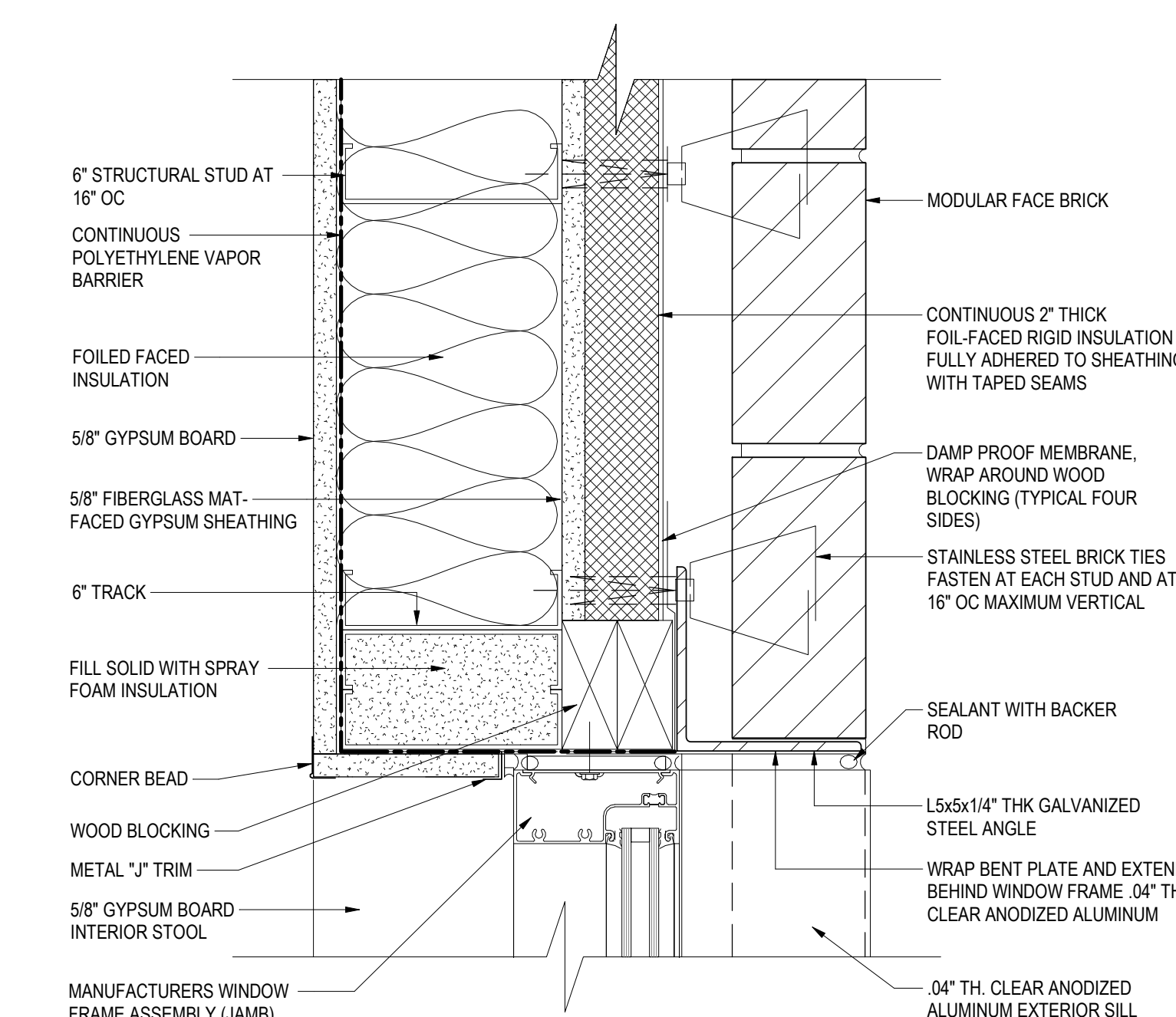
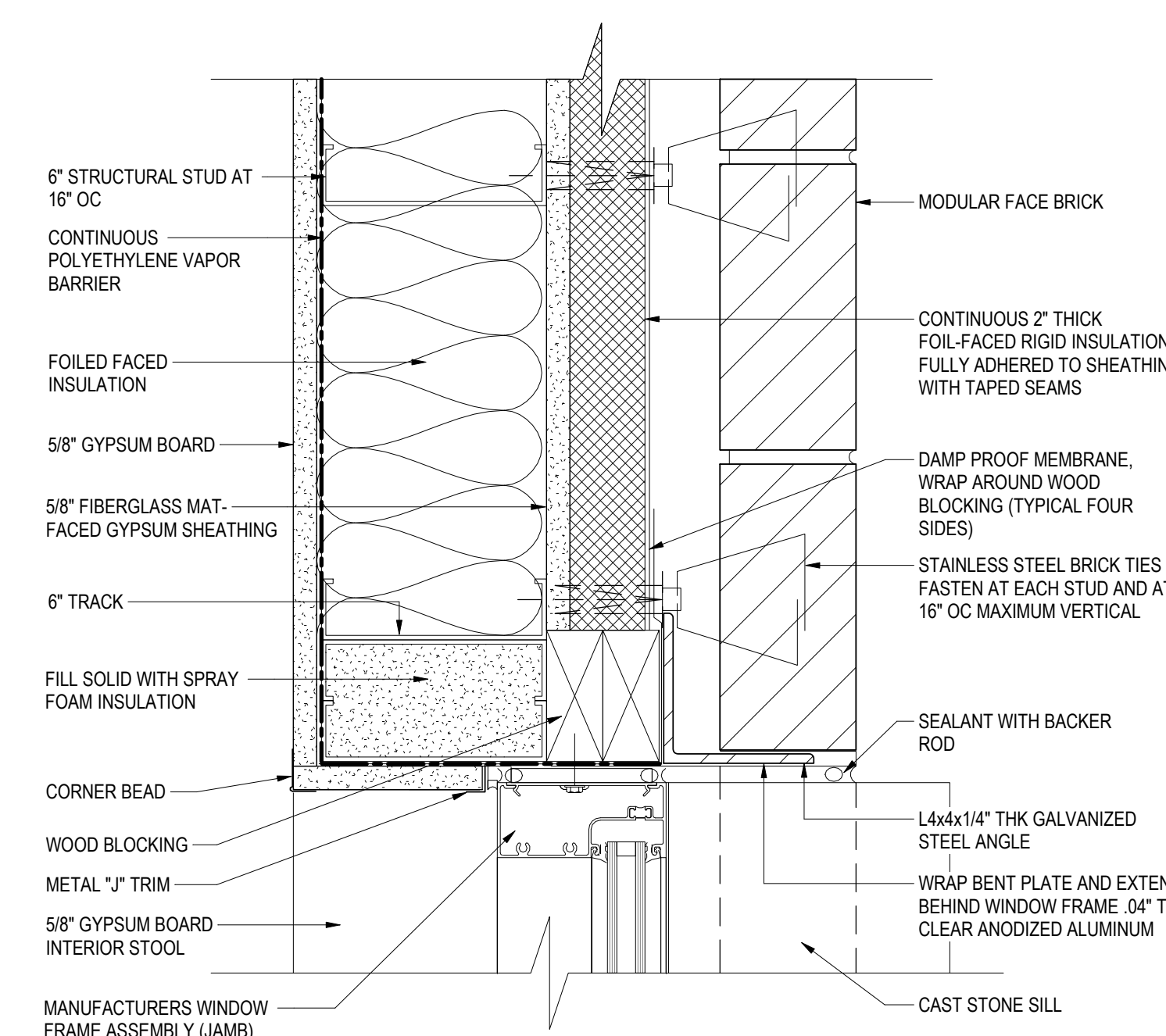
**7 WINDOW TYPE 1 CAST STONE LINTEL DETAIL**  
A-503 SCALE: 1 1/2" = 1'-0"



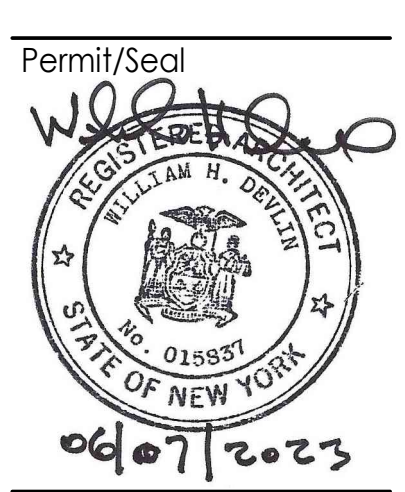
**8 WINDOW TYPE 1 CAST STONE SILL DETAIL**  
A-503 SCALE: 1 1/2" = 1'-0"



**9 CAST STONE PANEL DETAIL**  
A-503 SCALE: 1 1/2" = 1'-0"



PLANNING BOARD RESUBMISSION	R/W	WHD	2023.04.07
FOR OWNERS REVIEW	R/W <td>WHD <td>2023.04.05</td> </td>	WHD <td>2023.04.05</td>	2023.04.05
Issued/Revision	By	App'd	YYYY.MM.DD
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			03/09/23
			YYYY.MM.DD



Client/Project Logo



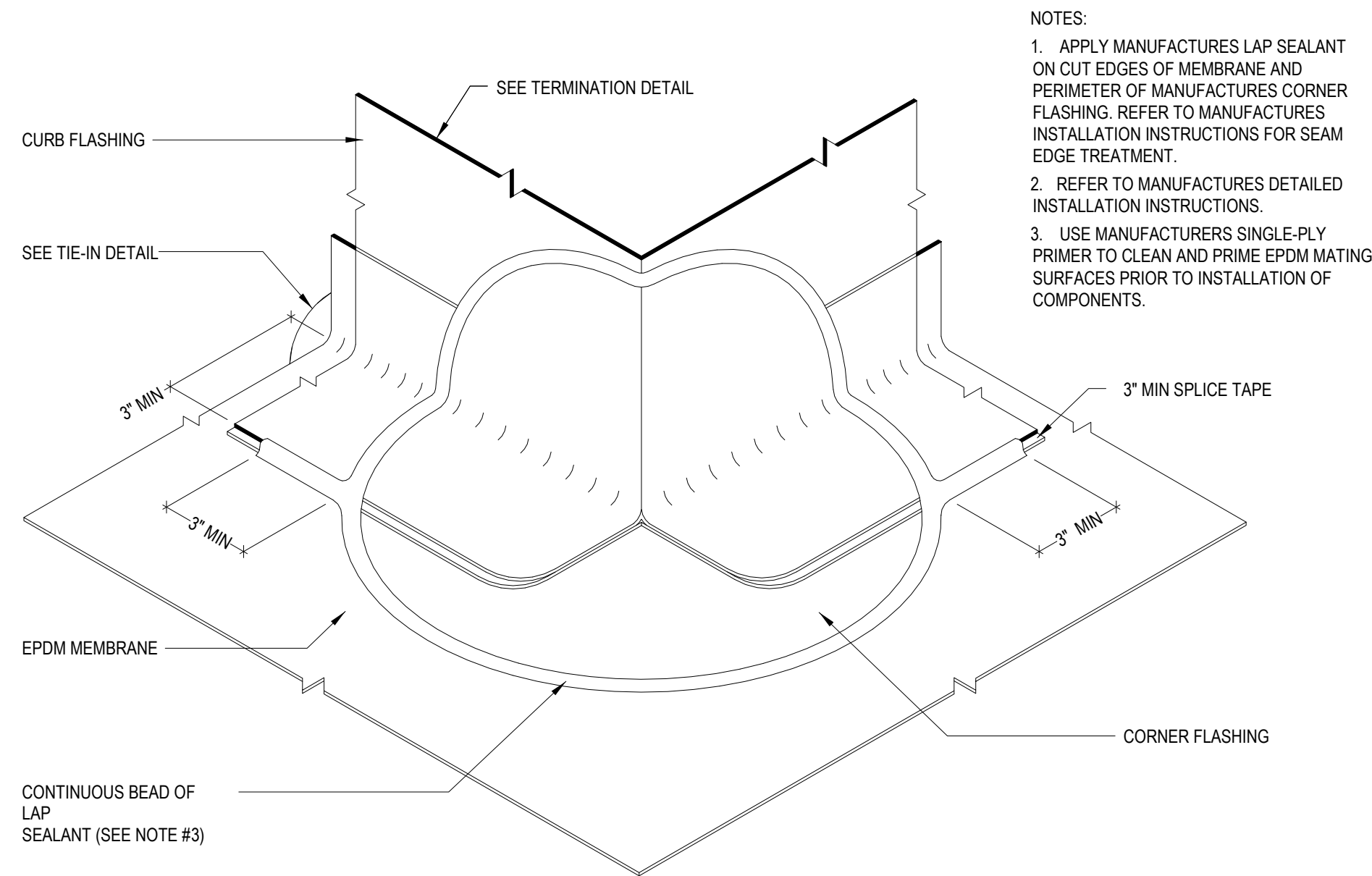
Client/Project  
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Hamilton BiOS #2 Addition

Pearl River, NY

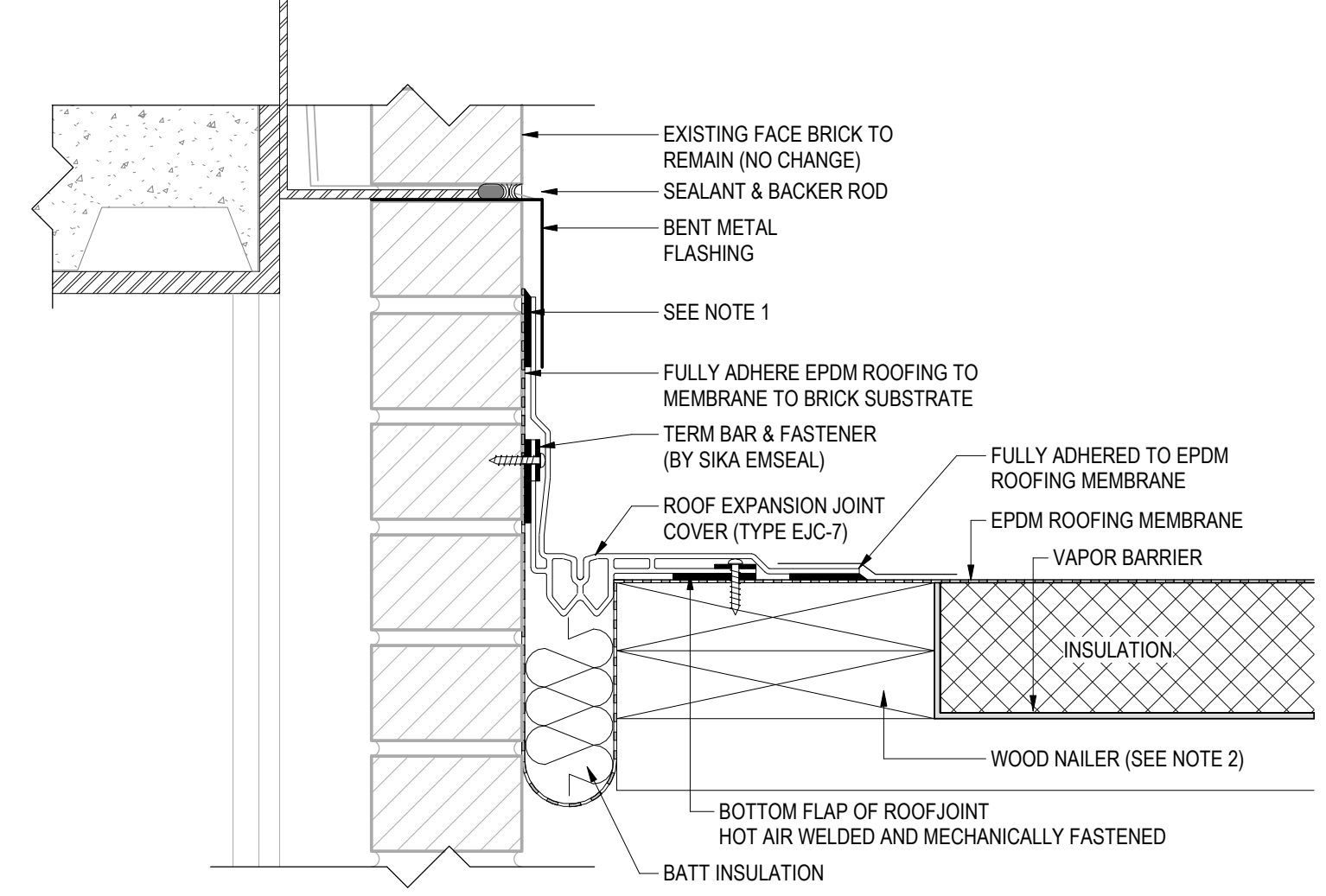
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ARCHITECTURAL WINDOW DETAILS





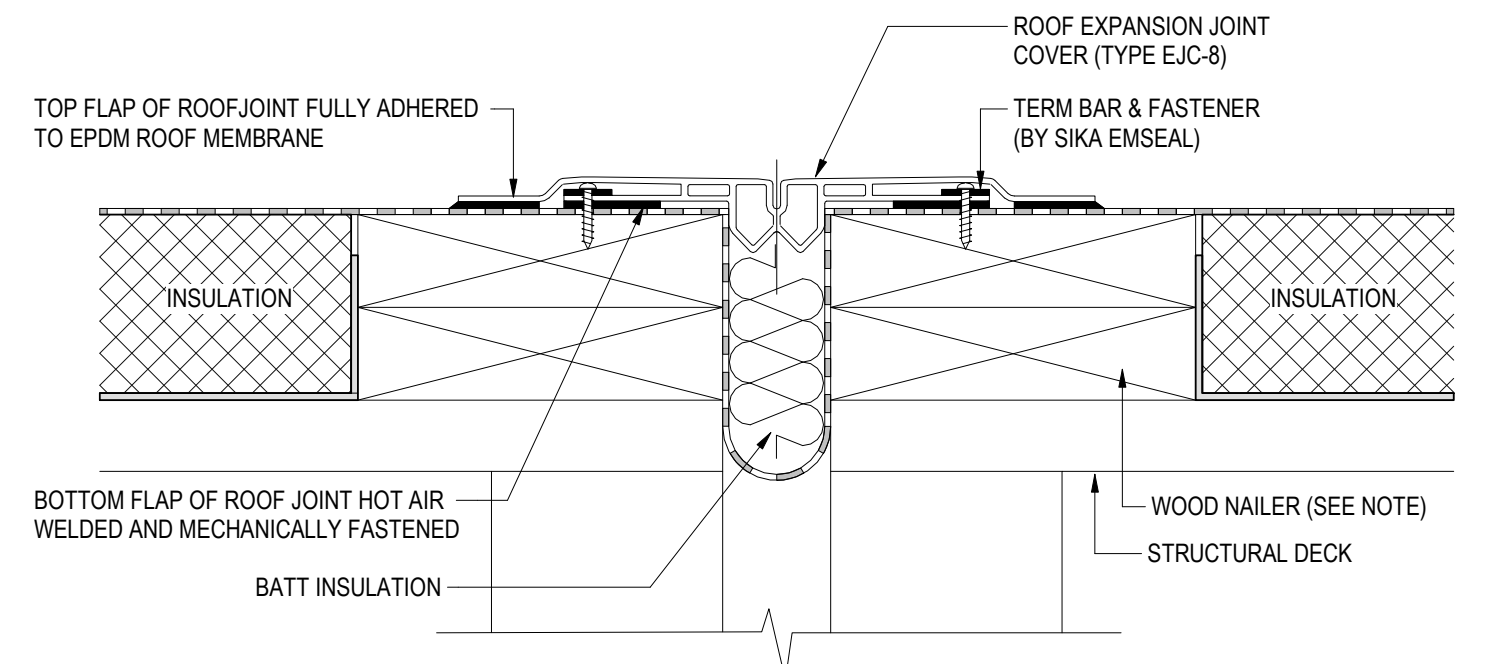
NOTES:  
1. APPLY MANUFACTURERS LAP SEALANT ON CUT EDGES OF MEMBRANE AND PERIMETER OF MANUFACTURERS CORNER FLASHING. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SEAM EDGE TREATMENT.  
2. REFER TO MANUFACTURERS DETAILED INSTALLATION INSTRUCTIONS.  
3. USE MANUFACTURERS SINGLE-PLY PRIMER TO CLEAN AND PRIME EPDM MATING SURFACES PRIOR TO INSTALLATION OF COMPONENTS.

**1 EPDM OUTSIDE CORNER FLASHING**  
SCALE: 6" = 1'-0"



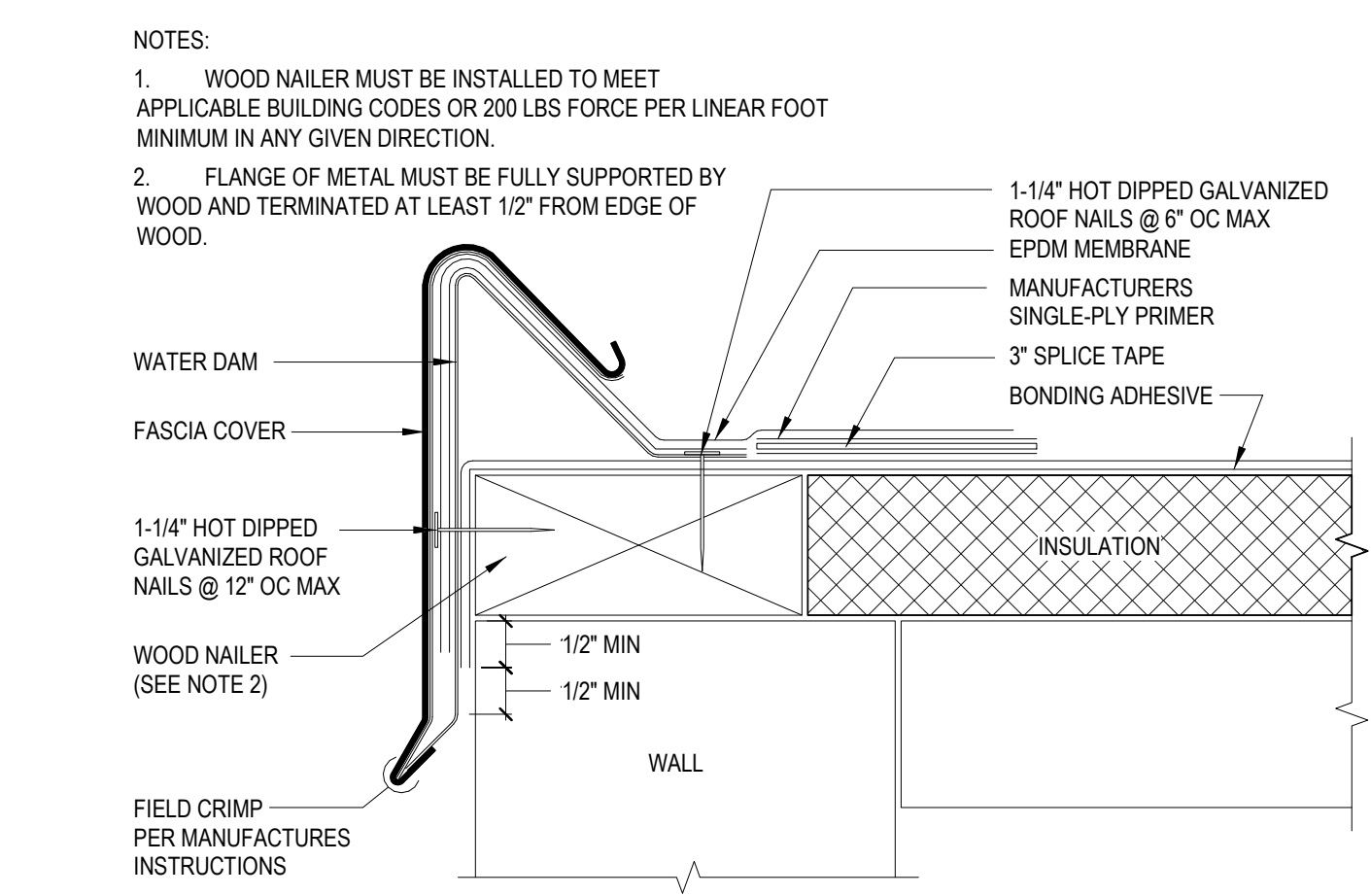
NOTES:  
1. TOP TERMINATION AND WALL FINISH WILL VARY WITH WALL DESIGN.  
2. TREATED WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODE OR 200 LBS. PER LINEAR FOOT MINIMUM REACTION IN ANY GIVEN DIRECTION.

**2 ROOF EXPANSION JOINT - ROOF-TO-WALL**  
SCALE: 3" = 1'-0"



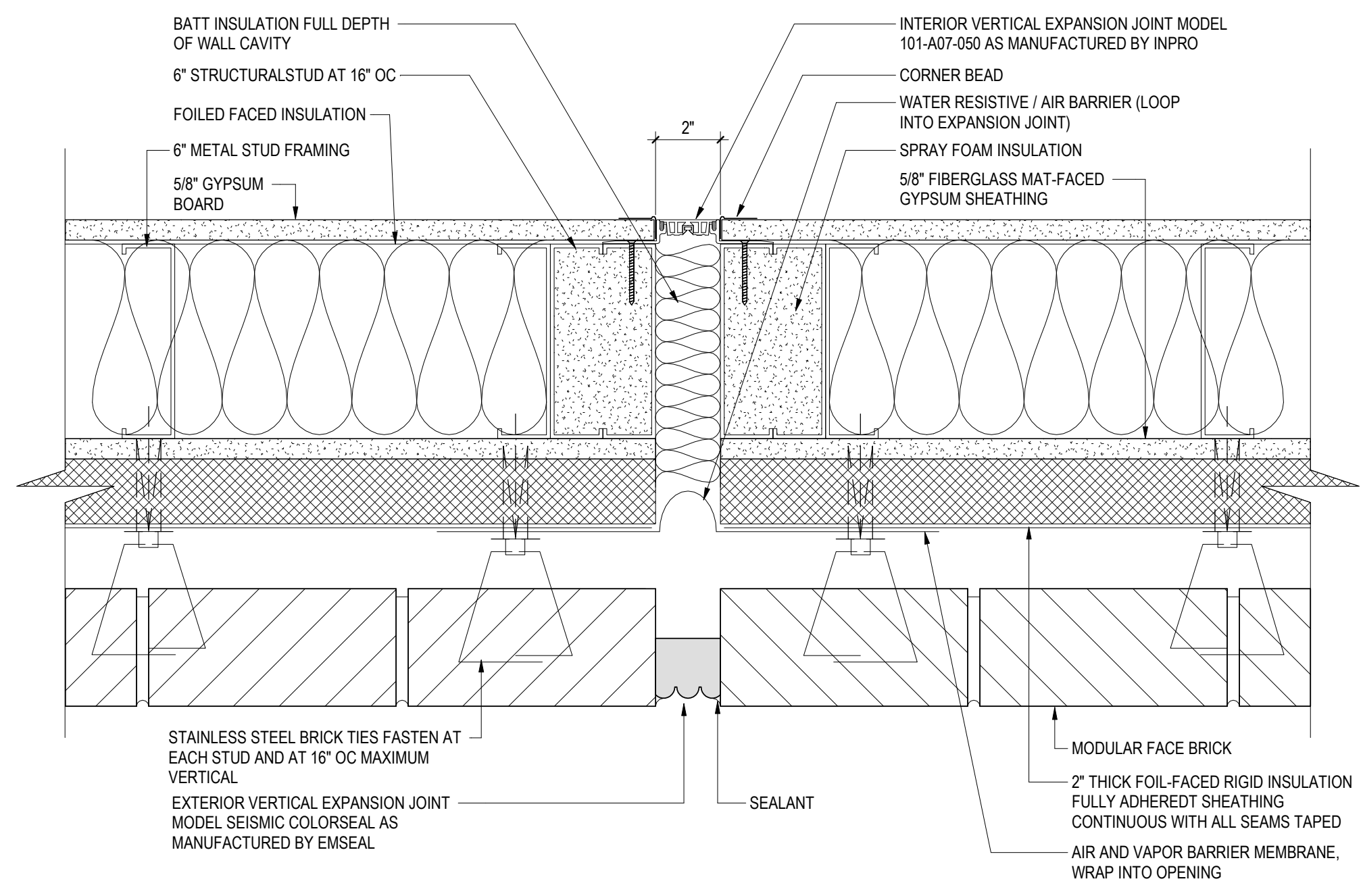
NOTE:  
TREATED WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODE OR 200 LBS. PER LINEAR FOOT MINIMUM REACTION IN ANY GIVEN DIRECTION.

**3 ROOF EXPANSION JOINT - ROOF-TO-ROOF**  
SCALE: 3" = 1'-0"

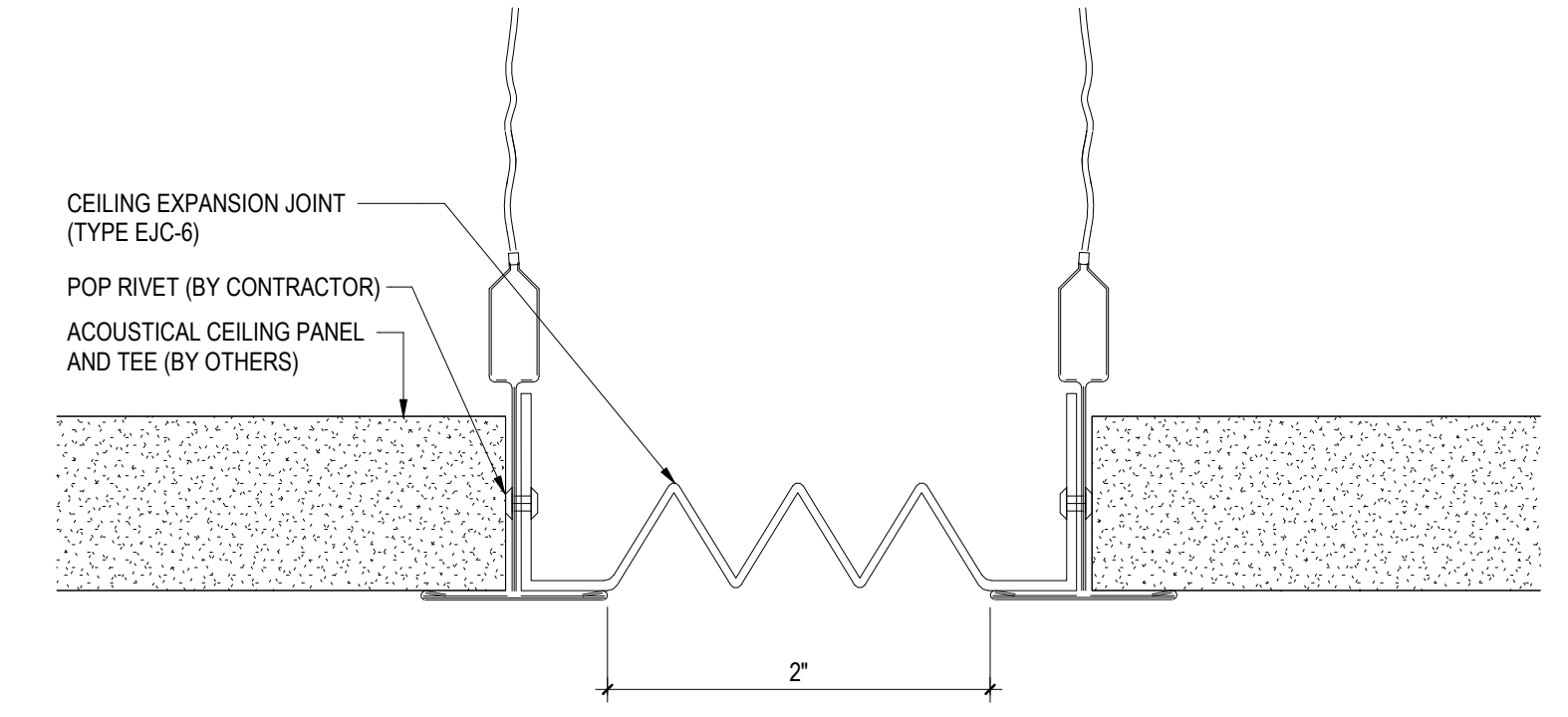


NOTES:  
1. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS FORCE PER LINEAR FOOT MINIMUM IN ANY GIVEN DIRECTION.  
2. FLANGE OF METAL MUST BE FULLY SUPPORTED BY WOOD AND TERMINATED AT LEAST 1/2" FROM EDGE OF WOOD.

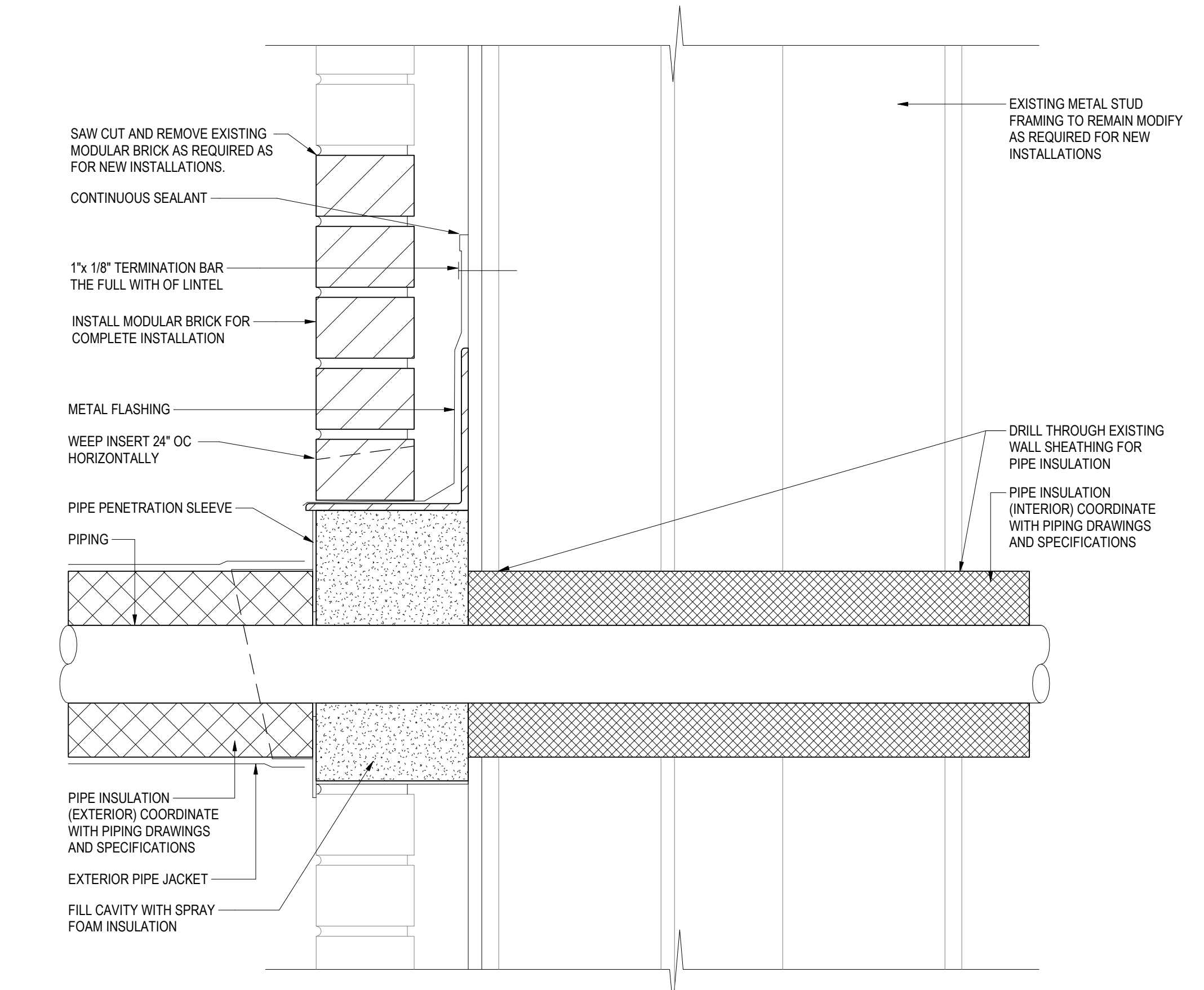
**4 WATER DAM**  
SCALE: 6" = 1'-0"



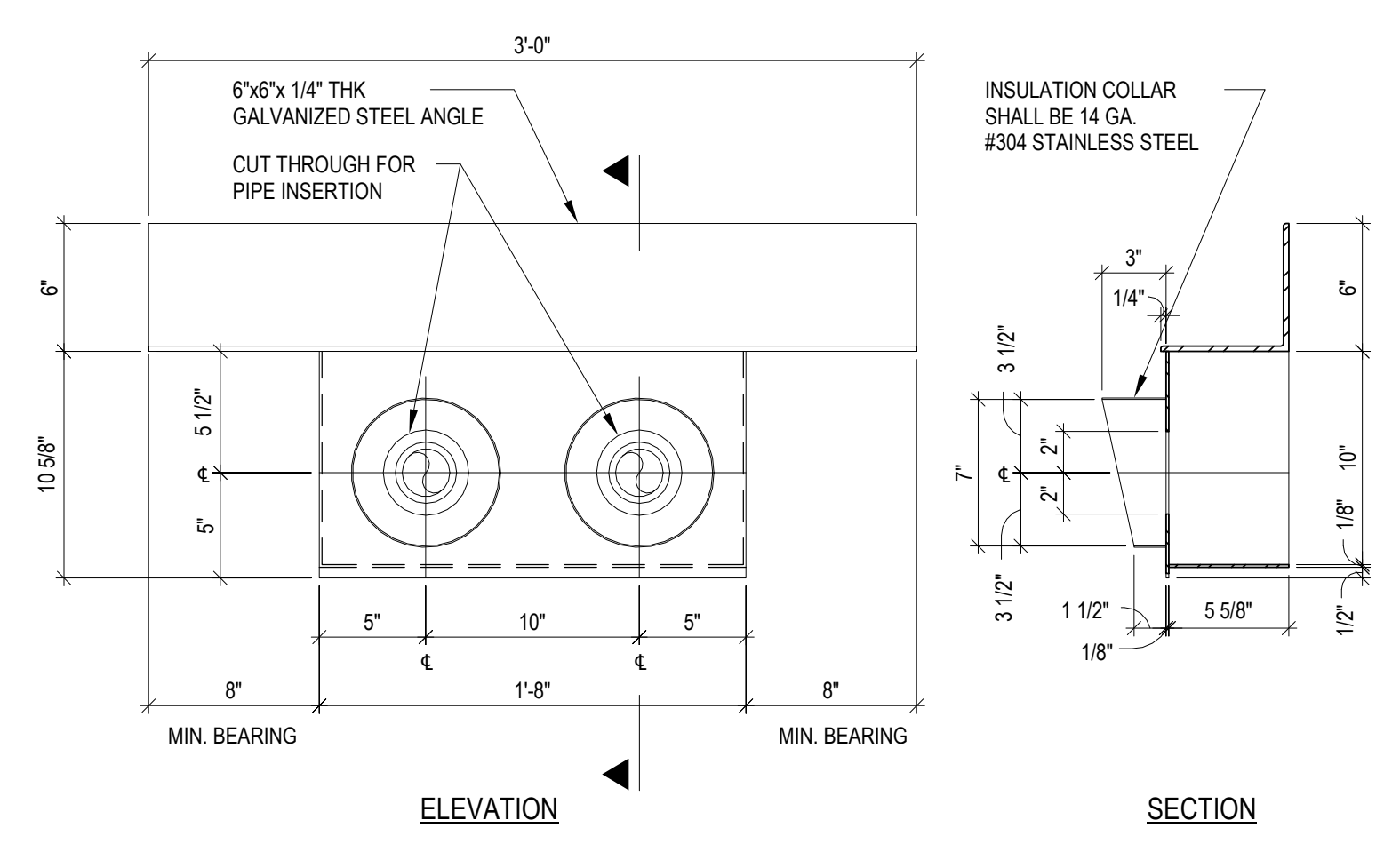
**5 VERTICAL EXPANSION JOINT DETAIL**  
SCALE: 3" = 1'-0"



**6 CEILING EXPANSION JOINT - CEILING PANEL-TO-CEILING PANEL**  
SCALE: 12" = 1'-0"

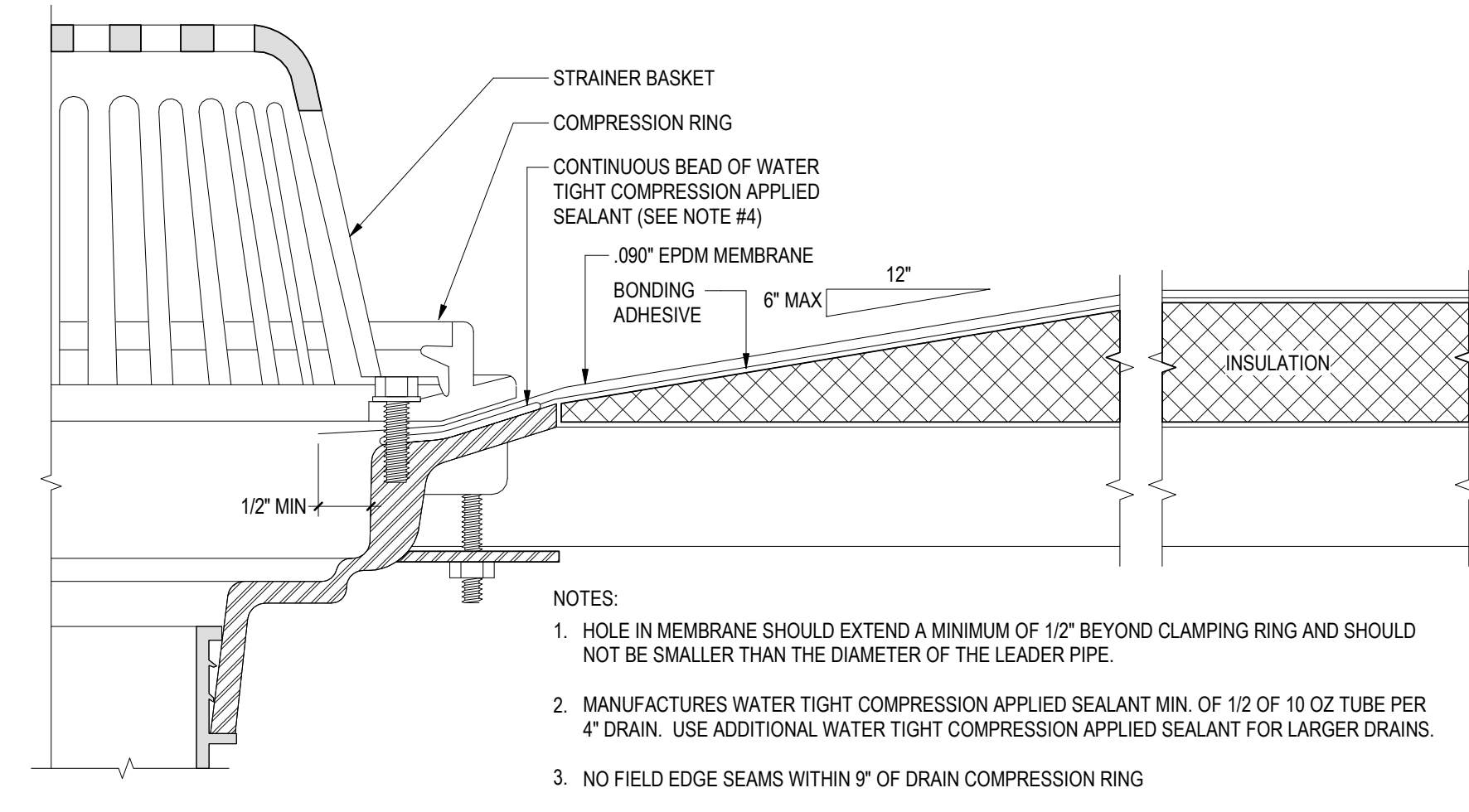


**7 PIPE SLEEVE INSTALLATION IN EXISTING BUILDING 222 WALL**  
SCALE: 3" = 1'-0"



**PENETRATION SLEEVE GENERAL NOTE:**  
1. UNLESS OTHERWISE NOTED ALL PIPE PENETRATION SLEEVE COMPONENTS SHALL BE FABRICATED FROM 14 GA. TYPE 304 STAINLESS STEEL PLATE.  
2. ALL COMPONENTS WELDED TOGETHER WITH CONTINUOUS WEATHER TIGHT WELDS.  
3. ALL EDGES GRIND SMOOTH (NO SHARP EDGES OR CORNERS)

**8 PIPE PENETRATION SLEEVE DETAIL**  
SCALE: 1 1/2" = 1'-0"



NOTES:  
1. HOLE IN MEMBRANE SHOULD EXTEND A MINIMUM OF 1/2" BEYOND CLAMPING RING AND SHOULD NOT BE SMALLER THAN THE DIAMETER OF THE LEADER PIPE.  
2. MANUFACTURERS WATER TIGHT COMPRESSION APPLIED SEALANT MIN. OF 1/2 OF 10 OZ TUBE PER 4" DRAIN. USE ADDITIONAL WATER TIGHT COMPRESSION APPLIED SEALANT FOR LARGER DRAINS.  
3. NO FIELD EDGE SEAMS WITHIN 9" OF DRAIN COMPRESSION RING

**9 ROOF DRAIN**  
SCALE: 6" = 1'-0"

File Name	Author	Designer	Checker	Date

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DETAILS

Project No.	Scale
191501254	As indicated
Revision	Drawing No.
1	<b>A-504</b>

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS								CEILING			REMARKS
				NORTH		EAST		SOUTH		WEST		MATERIAL	FINISH	HEIGHT	
				MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH				
1065	LABORATORY	NOTE 3	NOTE 3	GWB	EXISTING	GWB	NOTE 4	GWB	NOTE 4	GWB	EXISTING	NOTE 5	EXISTING		
1066	RECEIVING STAGING AREA	RF-01	B-1	GWB	P-W1	GWB	P-W1	GWB	P-W1	GWB	P-W1	VT	9'-0"	1	
1067	LR 20 BIOS ROOM	RF-01	B-1	GWB	P-W1	GWB	P-W1	GWB	P-W1	GWB	P-W1	SFRM	ESS	UC	1
1068	MECHANICAL ROOM	PF-01	B-2	GWB	P-W1	GWB	P-W1	GWB	P-W1	GWB	P-W1	SFRM	ESS	UC	1, 2

FINISH SCHEDULE ABBREVIATIONS	
ACP	ACOUSTIC CEILING PANEL
CMU	CONCRETE MASONRY UNIT
CNC	CLEAN NON CLASSIFIED
ESS	EXPOSED STRUCTURAL SYSTEM
ETR	EXISTING TO REMAIN
GWB	GYPSPUM WALL BOARD
NC	NON CLASSIFIED
VT	VINYL COATED TILE
UC	UNDERSIDE OF CONSTRUCTION
SFRM	SPRAY APPLIED FIRE RESISTANT MATERIAL (CEMENTIOUS COATING)

**ROOM FINISH GENERAL NOTES**

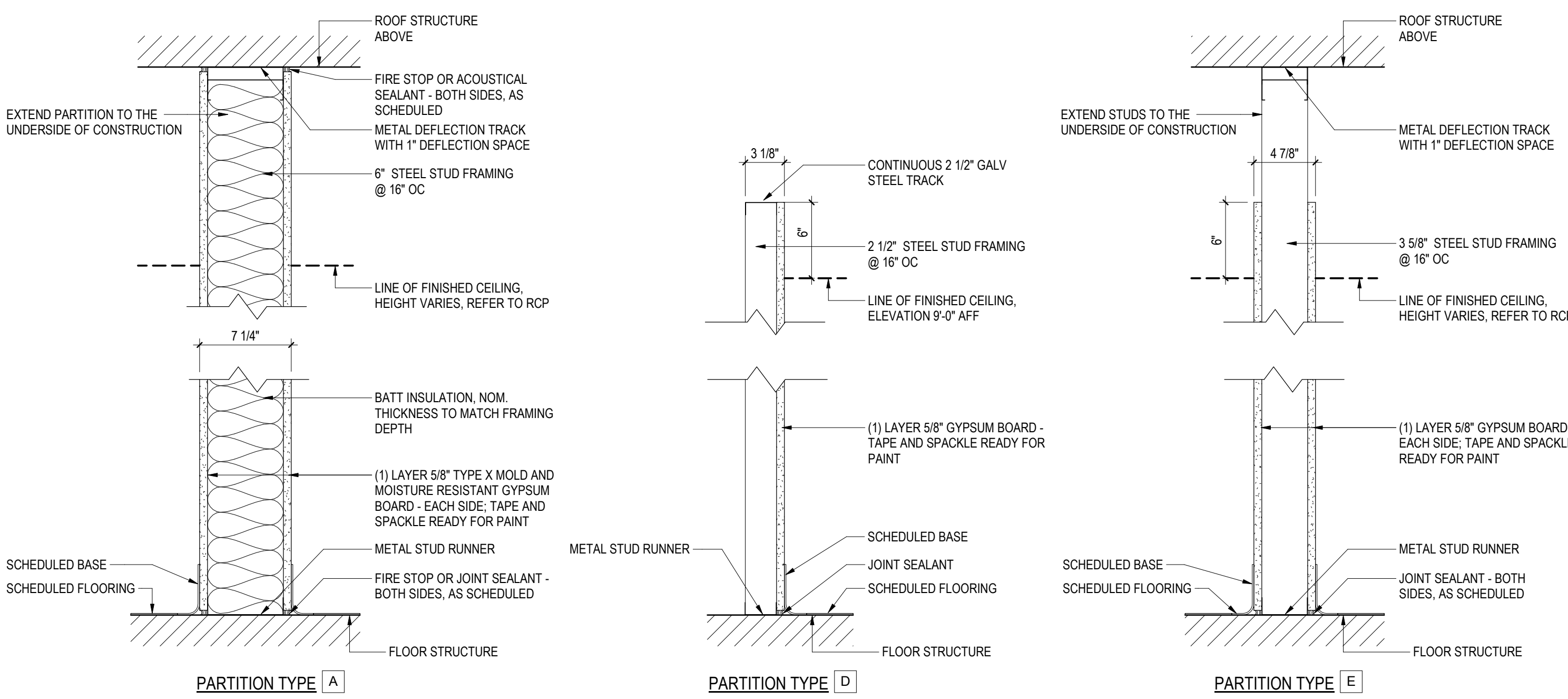
- WHERE MATERIALS REFERENCED ON DRAWINGS, OR NECESSARY TO COMPLETE THE WORK OF THIS CONTRACT ARE NOT SPECIFIED HEREIN, IT IS INTENDED TO MATCH EXISTING. WHERE MATERIALS ARE INTENDED TO MATCH EXISTING, PROVIDE CLOSEST POSSIBLE MATCH. SUBJECT TO OWNER'S APPROVAL. ALL ITEMS AND WORK ON DRAWINGS ARE NEW UNLESS OTHERWISE NOTED. ALL WORK WHICH HAS BEEN DAMAGED SHALL BE REPAIRED OR REPLACED. WHERE ITEM CANNOT BE REPAIRED TO A "NEW CONDITION" OR THE STRUCTURAL INTEGRITY HAS BEEN AFFECTED, ITEM SHALL BE REPLACED, AT NO COST TO THE OWNER.
- ALL CONTRACTORS ARE RESPONSIBLE TO VERIFY ALL SITE, FIELD AND BUILDING CONDITIONS PRIOR TO SUBMITTING BIDS AND COMMENCING WORK. IF THERE ARE ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS, SUBMIT REQUEST FOR INFORMATION TO OWNER FOR RESOLUTION.
- WHERE EXISTING CONSTRUCTION OR ITEMS HAVE BEEN INFILLED, REMOVED AND/OR DISTURBED FOR INSTALLATION OF NEW WORK, CAUSING THE EXPOSURE OF UNFINISHED AND/OR DAMAGED SURFACES, RESULTING SURFACES AND INFILLED SURFACES SHALL BE RECONSTRUCTED WITH MATERIALS TO MATCH FINISHED AREAS. ALL ABRASION OPENINGS (I.E. DUCTPIPE REMOVALS, ETC) AT WALLS, ROOF OR FLOOR TO BE INFILLED SOLID.
- ALTHOUGH NOT NECESSARILY SHOWN ON DRAWINGS, WORK IS REQUIRED IN SOME AREAS CONSISTING OF REMOVAL/REPLACEMENT OF CEILINGS, WALLS, FINISHES, PAVEMENT AND OTHER CONSTRUCTION AS NECESSARY TO PERFORM WORK. RESTORE THESE SPACES OR AREAS TO ORIGINAL CONDITION.
- CONTRACTOR SHALL OBTAIN FROM OWNER ALL REQUIREMENTS FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT INCLUDING ROUGHING DIAGRAMS, INSTALLATION INSTRUCTIONS, ELECTRICAL SCHEMATICS, TEMPLATES, LAYOUTS AND DIMENSIONS AND ALL OTHER INFORMATION NECESSARY FOR A PROPER, WELL-COORDINATED INSTALLATION. PRIOR TO ROUGH-IN OF SERVICES, CONFER WITH OWNER FOR EXACT LOCATION OF ALL ITEMS.
- ALL PENETRATIONS THROUGH FLOORS AND FULL HEIGHT WALLS TO BE FIRE STOPPED. ALL GAPS AND JOINTS AT RATED FLOORS, ROOFS AND WALLS TO BE FIRE STOPPED. GAPS AND JOINTS SCHEDULED ARE NOT LIMITED TO TOP OF WALL TO FLOOR OR ROOF DECK, WALL TO BEAMS, AND CONTROL OR EXPANSION JOINTS. FIRE STOPPING INCLUDES BOTH FOAM OR PACKING MATERIAL AND THE FILL, VOID OR CAVITY MATERIAL.
- THE CONTRACTOR SHALL COORDINATE THE WORK OF EACH TRADE WITH FACILITY MANAGER AND OTHER CONTRACTORS WHO MAY BE ON SITE ON OTHER PROJECTS, SO THAT THE WORK AND SCHEDULE ARE NOT IMPEDED. SCHEDULE WORK PROGRESS THROUGHOUT THE ENTIRE PROJECT TO PREVENT CONFLICTS AND INTERFERENCES. OBTAIN ALL NECESSARY INFORMATION SUCH AS SIZES, LOCATIONS, TEMPLATES, LAYOUT, DIMENSIONS AND ALL OTHER INFORMATION NECESSARY FOR A PROPER AND WELL COORDINATED INSTALLATION.
- ALL CEILING SUSPENSION SYSTEMS AS WELL AS OTHER CONSTRUCTION SYSTEMS SHALL COMPLY WITH THE BUILDING CODE OF NEW YORK STATE REQUIREMENT FOR SEISMIC CONDITIONS. THE CONTRACTOR SHALL INCORPORATE THESE REQUIREMENT INTO HIS BID PRICE.
- AS A MINIMUM REQUIREMENT, CLASS C DESIGNATED INTERIOR FINISH MATERIALS SHALL BE FURNISHED AND INSTALLED WITHIN ALL SPACES SCHEDULED TO RECEIVE NEW INTERIOR WALL AND CEILING FINISHES. WITHIN SPACES DESIGNATED TO RECEIVE NEW FLOOR FINISHES, PROVIDE CLASS B OR BETTER MATERIALS.

- ANY CRACKS FOUND IN CONCRETE SLAB SHALL BE REPAIRED UTILIZING A HIGH STRENGTH, TWO-COMPONENT, 100% SOLIDS EPOXY CRACK FILLER. PRODUCT SHALL BE TK-9000 EPOXY FILLER AS MANUFACTURED BY TK PRODUCTS, A DIVISION OF THE SIERRA CORPORATION OF MINNETONKA, MN.
- ALL EXISTING PAINTED SURFACES AFFECTED BY DEMOLITION AND/OR NEW WORK SHALL BE TOUCHED UP AS NEEDED TO MATCH ADJACENT SURFACES.
- ALL EXISTING PAINTED WALL SURFACES AFFECTED BY DEMOLITION AND/OR NEW WORK SHALL RECEIVE A NEW PAINT FINISH. PAINT ENTIRE WALL PLANE, CORNER TO CORNER. COLOR TO MATCH ADJACENT EXISTING WALL SURFACES.
- CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH OWNER TO PREVENT DISRUPTION TO BUSINESS OPERATIONS.
- CONTRACTOR WILL BE RESPONSIBLE FOR ESTABLISHING TEMPORARY DUST TIGHT PARTITIONS TO SEGREGATE AREAS UNDER CONSTRUCTION FROM OCCUPIED SPACES.
- ALL EXTREME DUST, NOISE AND VIBRATION CREATING ACTIVITIES SHALL BE COORDINATED WITH THE OWNER AND IF DIRECTED, THEY SHALL BE DONE OFF HOURS.
- NEW COLD ROLLED FRAMING MEMBERS SHALL BE FABRICATED FROM 20 GA. GALVANIZED STEEL U.N.O.
- EXPOSED DRYWALL SURFACES SHALL BE FINISHED TO A LEVEL 4 GYPSPUM BOARD FINISH AS DEFINED BY THE GYPSPUM ASSOCIATION DOCUMENT GA-214-07.
- GYPSPUM WALL BOARD PANELS DESIGNATED FOR WALL AND CEILING APPLICATIONS SHALL BE GOLD BOND X9 GYPSPUM BOARD AS MANUFACTURED BY THE NATIONAL GYPSPUM COMPANY OR ARCHITECT APPROVED EQUAL.
- FURNISH AND INSTALL STRUCTURAL STEEL STUD FRAMING AS MANUFACTURED BY CLARK DIETRICH OR APPROVED EQUAL.
- CONTROL JOINTS SHALL BE INSTALLED WHERE A WALL OR PARTITION RUNS IN AN UNINTERRUPTED STRAIGHT PLANE EXCEEDING 30 LINEAR FEET. REFER TO DETAIL 5 ON DRAWING A-503.
- CONTROL JOINTS IN INTERIOR CEILINGS WITHOUT PERIMETER RELIEF SHALL BE INSTALLED SO THAT THE LINEAR DIMENSION BETWEEN CONTROL JOINTS DOES NOT EXCEED 30 FEET AND THE TOTAL AREA BETWEEN CONTROL JOINTS DOES NOT EXCEED 900 SQ. FT.
- APPLY SELF LEVELING UNDERLAYMENT IN ROOMS DESIGNATED TO RECEIVE VCT TILE FLOORING PRIOR TO INSTALLATION OF FLOOR FINISH. SELF LEVELING UNDERLAYMENT SHALL BE ARDEX K15 AS MANUFACTURED BY ARDEX AMERICAS.
- FURNISH AND INSTALL 5/8" THICK, EXP SHEATHING FIRE SHIELD EXTERIOR GYPSPUM BOARD SHEATHING AS MANUFACTURED BY THE NATIONAL GYPSPUM BOARD COMPANY.
- APPLY STUCCOAT ONE-COAT SYSTEM AS MANUFACTURED BY DRYVIT TO THE CEILING OF NEW LOADING DOCK.

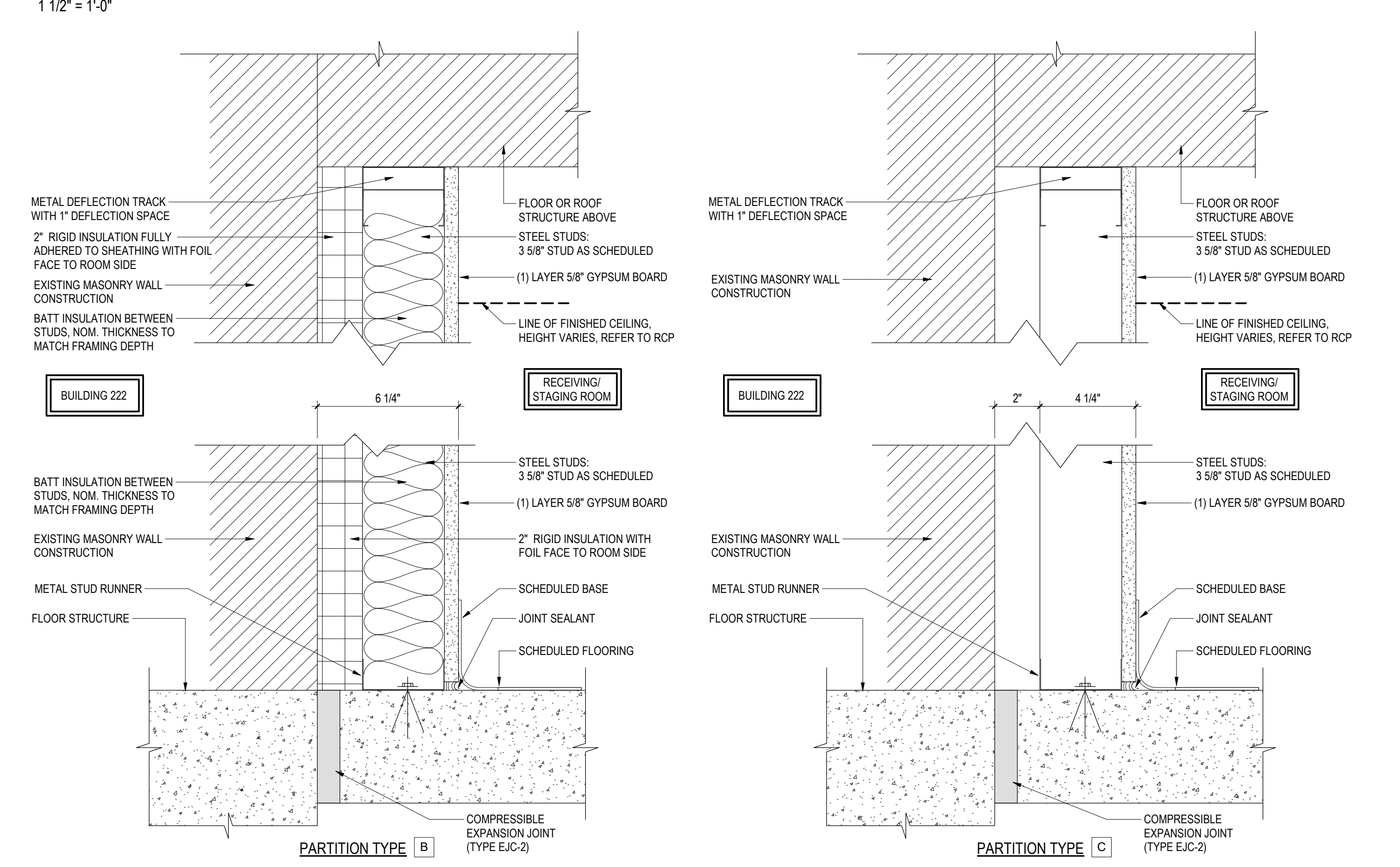
**FINISH SCHEDULE REMARKS**

- THE FIRE RESISTANT MATERIALS (SFRM) APPLIED TO THE ROOF BEAMS, GIRDERS AND ROOF DECKING SHALL BE FINISHED WITH AN ACRYLIC COATING CONSISTING OF ONE COAT OF LOXON CONCRETE & MASONRY SEALER AS MANUFACTURED BY SHERWIN WILLIAMS.
- EQUIPMENT HOUSE KEEPING PADS SHALL RECEIVE PAINT FINISH (PF-1).
- PATCH TO MATCH EXISTING FLOOR FINISH. WALL BASE AND LAY-IN CEILING TILE AND GRID SYSTEM TO ACCOMMODATE INSTALLATION OF NEW PARTITIONS.
- PAINT ENTIRE WALL INCLUDING NEW GWB WALL SURFACES CORNER TO CORNER. PAINT SELECTION SHALL MATCH EXISTING.
- FOLLOWING THE INSTALLATION OF NEW PIPING ABOVE CEILING, REPAIR CEILING TO MATCH EXISTING AND REINSTALL LIGHTING FIXTURES. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF NEW PIPING INSTALLATIONS.

PARTITION SCHEDULE														
TYPE	OVERALL PARTITION DEPTH	GWB THICKNESS	ABUSE THICKNESS	FRAMING SIZE	METAL GA	STUD SPACING	DETAIL AT TOP	DETAIL AT BASE	STUDS TO STRUCTURE	GWB TO STRUCTURE	INSULATION TO STRUCTURE	FIRE RATING	FIRE TEST	SOUND INSULATION
A	7 1/4"	5/8"	-	6"	12	1'-4"								
B	6 1/4"	5/8"	-	3 5/8"	20	1'-4"								
C	4 1/4"	5/8"	-	3 5/8"	20	1'-4"								
D	3 1/8"	5/8"	-	2 1/2"	20	1'-4"								
E	4 7/8"	5/8"	-	3 5/8"	20	1'-4"								



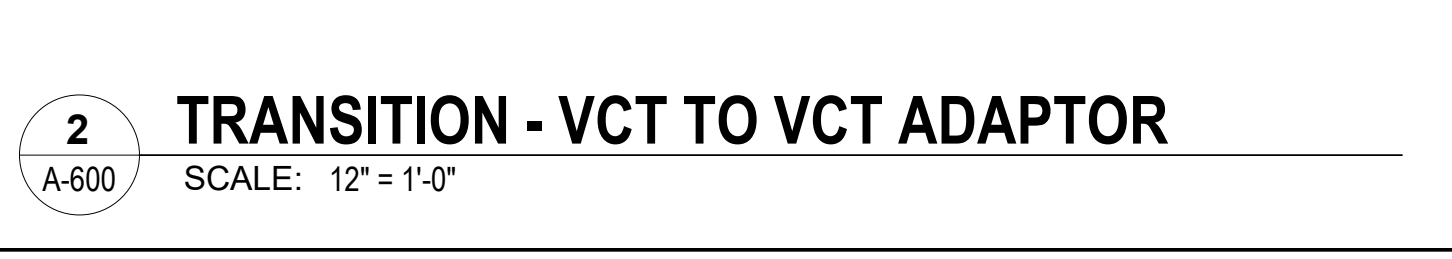
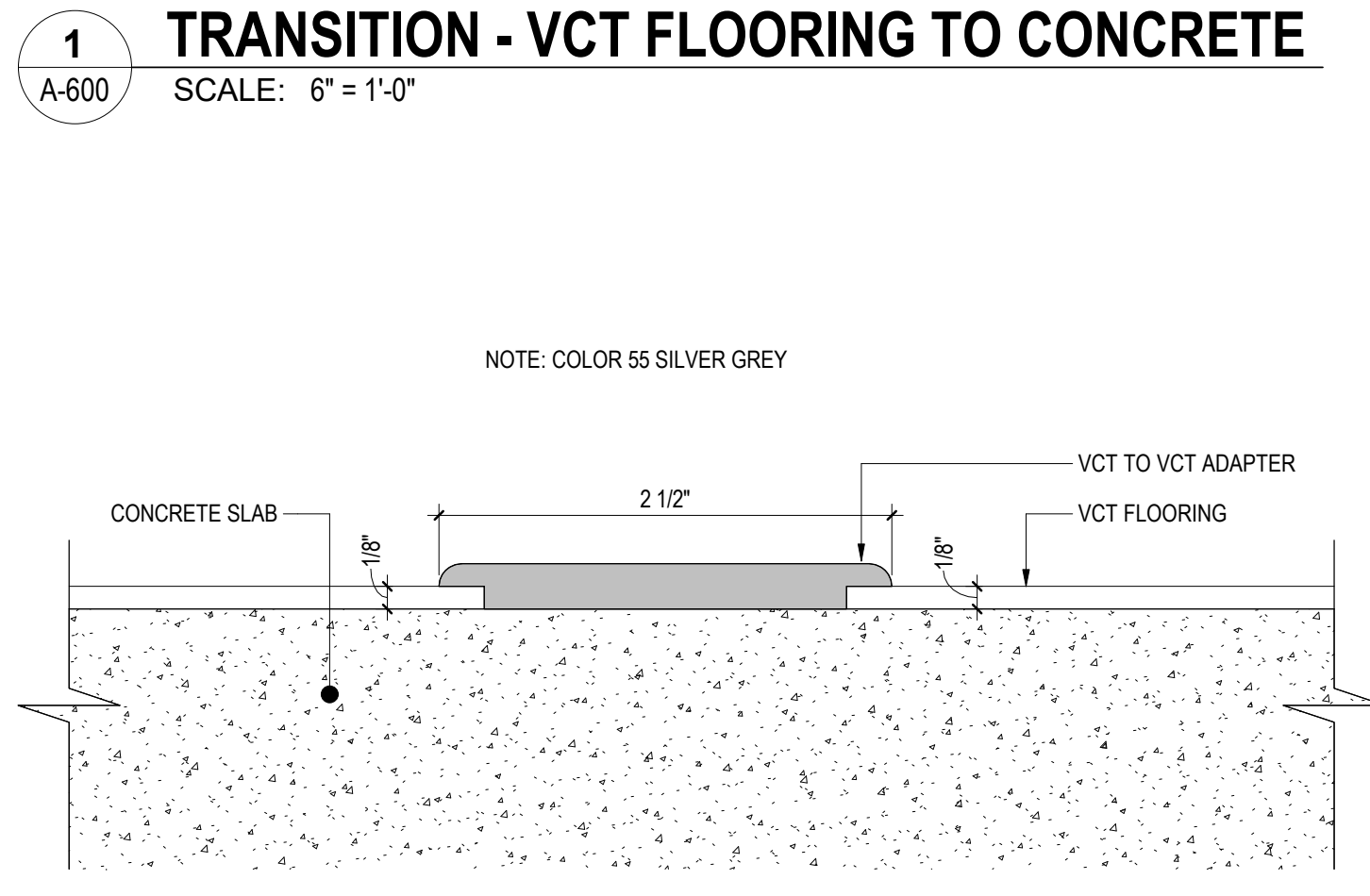
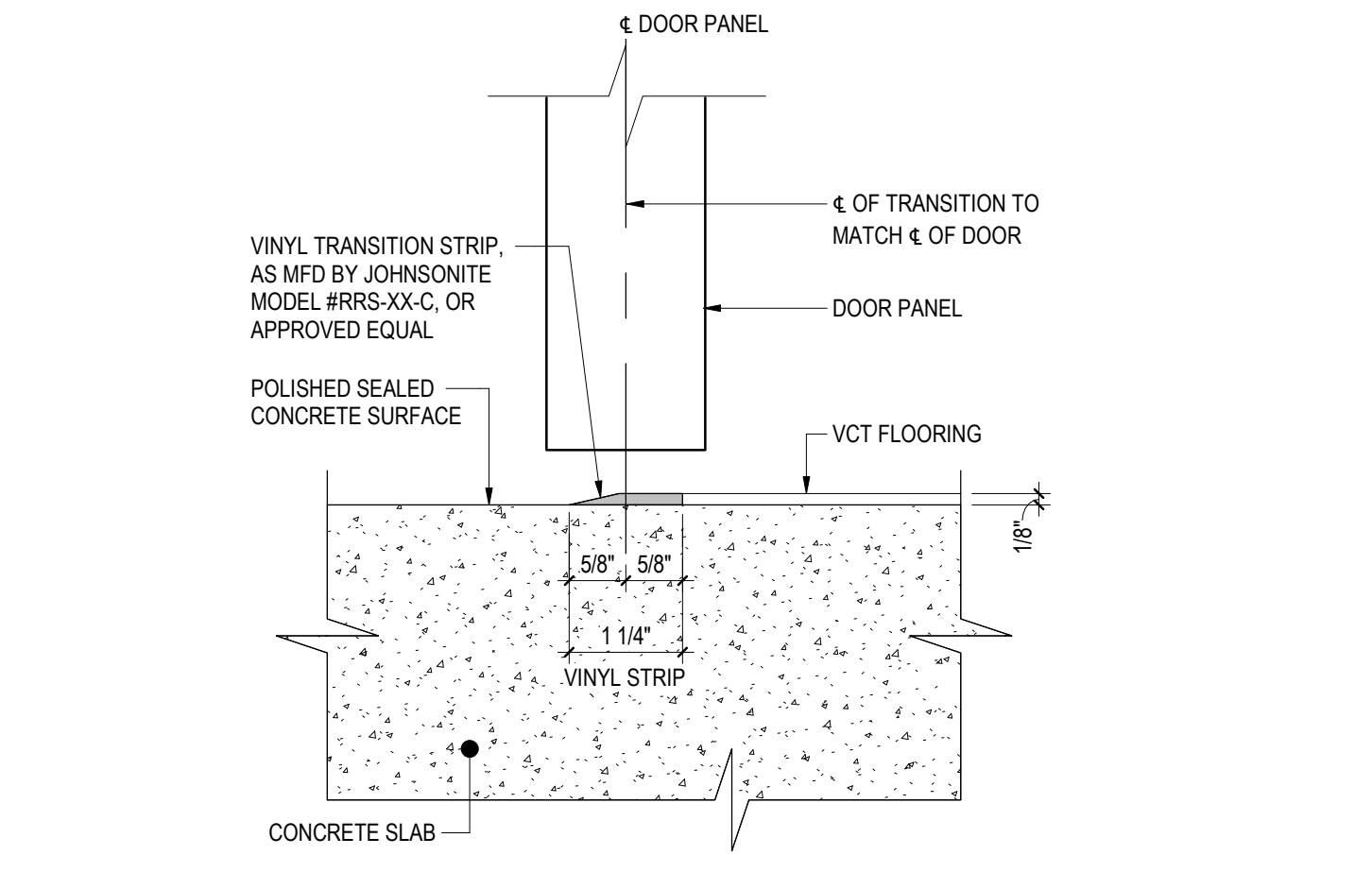
**PARTITION TYPES**



**PARTITION TYPES**

3" = 1'-0"

NOTE: XX = INPUT COLOR CODE FROM JOHNSONITE VINYL TRANSITION COLOR CHART. (COORDINATE COLOR SELECTION WITH OWNER)



**FINISH LEGEND**

- WALL BASE**
- B-1 TYPE: MANUFACTURER: VINYL BASE  
STYLE: JOHNSONITE  
SIZE: CLEAN NON CLASSIFIED  
COLOR: EXPOSED STRUCTURAL SYSTEM  
GLOSS LEVEL: EXISTING TO REMAIN
- B-2 TYPE: MANUFACTURER: VINYL BASE  
STYLE: JOHNSONITE  
SIZE: TRADITIONAL WALL BASE  
COLOR: 4 INCH HIGH  
GLOSS LEVEL: STORM CLOUD, #71
- FLOOR**
- PF-1 TYPE: MANUFACTURER: ARMORSEAL TREAD-PLEX  
STYLE: SHERWIN WILLIAMS  
COLOR: B90 SERIES  
GLOSS LEVEL: HAZE GREY  
SEMI-GLOSS
- RF-01 TYPE: MANUFACTURER: VINYL COMPOSITION FLOOR TILE  
STYLE: TARKETT  
COLOR: MINERAL  
THICKNESS: WINTER STORM, #630  
SIZE: 1/8 INCH (3.18mm)  
12"x12"

**WALLS AND CEILINGS**

- P-W1 TYPE: MANUFACTURER: ULTRA SPEC 500  
STYLE: CLIMA PLUS PERFORMANCE  
COLOR: 546 SERIES  
GLOSS LEVEL: SUPER WHITE  
SEMI-GLOSS
- CEILING SYSTEMS**
- ACP-1 TYPE: PANEL: CLEAN ROOM TILE & GRID SYSTEM  
MANUFACTURER: CLIMA PLUS PERFORMANCE  
SIZE: USG INTERIORS  
STYLE: 2' x 2' x 1/2"  
GRID: FLAT WHITE  
MANUFACTURER: ARMSTRONG  
STYLE: 794 SERIES  
COLOR: PRELUDE XL SUSPENSION SYSTEM  
GLOSS LEVEL: FLAT WHITE
- DOORS AND FRAMES**
- P-D1 TYPE: MANUFACTURER: ADVANCE WATERBORNE ALKYD  
MANUFACTURER: BENJAMIN MOORE  
COLOR: 794 SERIES  
GLOSS LEVEL: MATCH EXISTING  
HIGH-GLOSS

**EXPANSION JOINT COVER SCHEDULE**

- FLOOR**
- EJC-1 TYPE: MANUFACTURER: VCT FLOORING SYSTEM JOINT COVER  
LATERAL ATTACHMENT: SCHLUTER SYSTEMS  
MOVEMENT ZONE MATERIAL: STAINLESS STEEL PROFILE  
COLOR: THERMOPLASTIC RUBBER  
STYLE: CLASSIC GREY  
DILEX-EKSB (HEIGHT 3/16 INCH)
- EJC-2 TYPE: MANUFACTURER: BELOW GRADE WATERTIGHT JOINT SYSTEM  
LATERAL ATTACHMENT: EMSEAL  
MOVEMENT ZONE MATERIAL: FULL ADHERED TO SIDES OF JOINT  
COLOR: SILICONE FACED POLYURETHANE FOAM  
STYLE: BLACK  
DMS SYSTEM (2 INCH JOINT)
- EJC-3 TYPE: MANUFACTURER: FLOOR TO FLOOR COVER PLATE  
LATERAL ATTACHMENT: INPRO  
MOVEMENT ZONE MATERIAL: PLATE W/BEVEL EDGES FASTEN TO SLAB  
COLOR: ALUMINUM PLATE  
STYLE: ANTI-SLIP FINISH ON ALUMINUM PLATE  
801-A01-50 (2 INCH JOINT)
- WALL**
- EJC-4 TYPE: MANUFACTURER: INTERIOR DRYWALL EXPANSION JOINT COVER  
LATERAL ATTACHMENT: INPRO  
MOVEMENT ZONE MATERIAL: CLEAR ANODIZED ALUMINUM PROFILE  
COLOR: SANTOPRENE RUBBER  
STYLE: GREY  
101-A07-050 (2 INCH JOINT)
- EJC-5 TYPE: MANUFACTURER: EXTERIOR EXPANSION JOINT COVER  
LATERAL ATTACHMENT: EMSEAL  
MOVEMENT ZONE MATERIAL: FULL ADHERED TO SIDES OF JOINT  
COLOR: SILICONE FACED POLYURETHANE FOAM  
STYLE: BLACK  
SEISMIC COLOREAL (2 INCH JOINT)
- CEILING**
- EJC-6 TYPE: MANUFACTURER: ACOUSTICAL CEILING EXPANSION JOINT COVER  
LATERAL ATTACHMENT: INPRO  
MOVEMENT ZONE MATERIAL: SHEET METAL PROFILE FASTENED TO GRID  
COLOR: PLECTATED VINYL  
STYLE: BRIGHT WHITE  
821-V24-050W
- ROOF**
- EJC-7 TYPE: MANUFACTURER: ROOF TO WALL EXPANSION JOINT COVER  
LATERAL ATTACHMENT: EMSEAL  
MOVEMENT ZONE MATERIAL: PVC PROFILE  
COLOR: PVC BELLOWS  
STYLE: BLACK  
RJ-0200 (2 INCH JOINT)
- EJC-8 TYPE: MANUFACTURER: ROOF TO ROOF EXPANSION JOINT COVER  
LATERAL ATTACHMENT: EMSEAL  
MOVEMENT ZONE MATERIAL: PVC PROFILE  
COLOR: PVC BELLOWS  
STYLE: BLACK  
RJ-0200 (2 INCH JOINT)

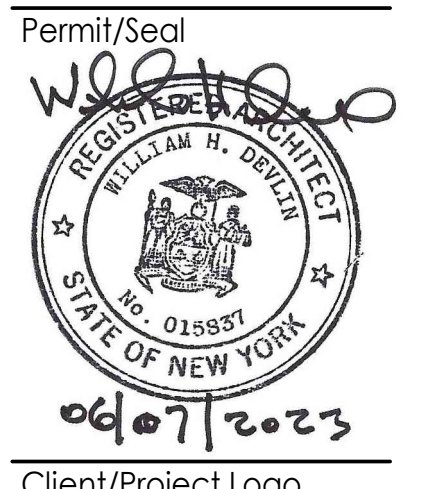
NOTES:  
1. REFER TO DRAWING A-102, A-104 & A-200 FOR LOCATION OF EXPANSION JOINT COVERS AND SELECTIONS.



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Notes

NO.	DESCRIPTION	DATE	BY	CHKD
2	PLANNING BOARD SUBMISSION	2023.06.07	RJW	WHD
1	FOR OWNER REVIEW	2023.04.05	RJW	WHD
0	ISSUED FOR PERMIT	2023.02.22	RJW	WHD
Issued/Revision		By	App'd	YYYYMMDD
File Name: N/A		Author	Designer	Checker
		Dwn	Dgn	Chk
				07/13/24
				YYYYMMDD



Client/Project Logo

Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
PARTITION TYPES, SCHEDULES AND DETAILS

Project No. 191501254 Scale As indicated

Revision Drawing No. A-600

DOOR SCHEDULE table with columns: DOOR NO., ROOM NAME, RM. NO., CLEAR DIM. (FT/IN), NO. OF PANELS, PANEL WIDTH (FT/IN), THICK, DOOR TYPE, MAT'L, FINISH, HWDR. SET, TYPE, MAT'L, FINISH, HEAD, JAMB, SILL, FIRE LABEL (MINS), GLAZ/ VISION PNL, REMARKS

HARDWARE SETS

Hardware sets table with columns: DESCRIPTION, MODEL NO., FINISH, MFR. Lists various door hardware including hinges, locks, and readers.

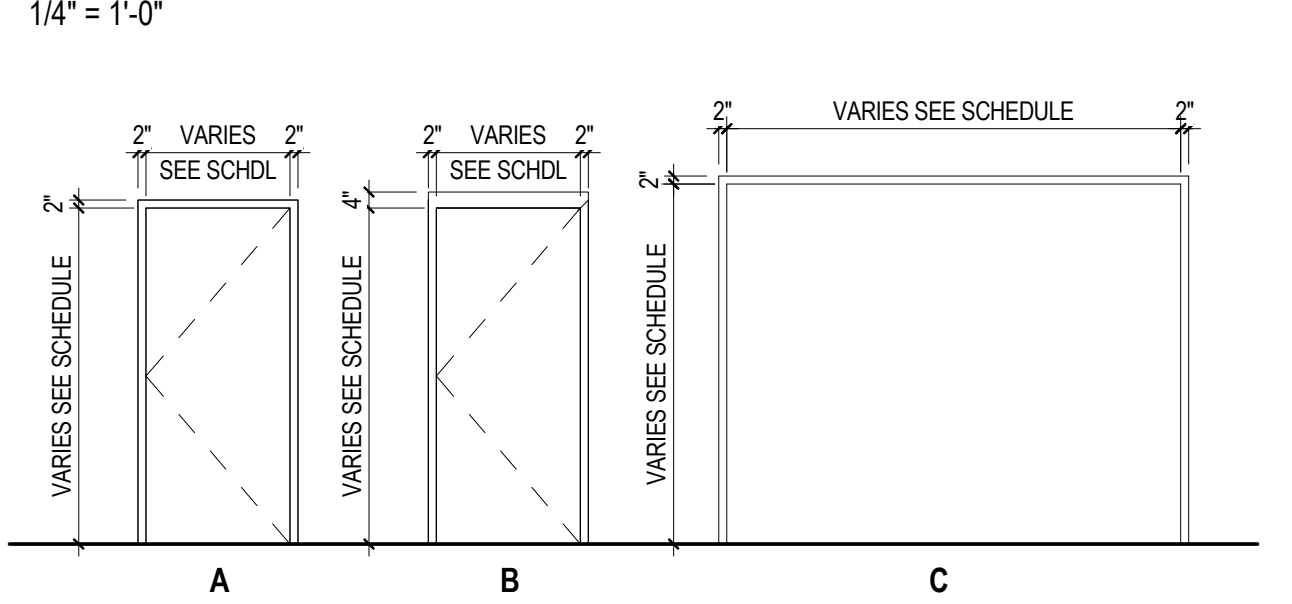
DOOR SCHEDULE REMARKS

- 1. FURNISH AND INSTALL WIRING AND CONDUIT TO ENERGIZE AUTOMATIC DOOR OPERATOR CONTROL PANEL. 2. EXIT ONLY, NO FUNCTION ON PULL SIDE OF DOOR. 3. LOCKSET SHALL BE FURNISHED AND INSTALLED WITH 04 - STOREROOM FUNCTION. 4. ALL HARDWARE FURNISHED BY MANUFACTURER. 5. CARD READER AND DOOR POSITION SWITCHES SHALL BE FURNISHED AND INSTALLED BY PFIZER'S SECURITY CONTRACTOR "SECURITY INTEGRATIONS". 6. FURNISH AND INSTALL WIRING AND CONDUIT TO ENERGIZE DOOR POWER SUPPLY. 7. FURNISH ROLL-UP STEEL DOOR WITH FACTORY APPLIED PAINT FINISH. 8. FURNISH PAIR OF DOORS WITH FACTORY APPLIED ASTRAGAL. 9. FURNISH DOOR CLOSER WITH HEAVY DUTY PARALLEL ARM. 10. FURNISH M32 MAGNALOCK WITH DPS, ZA-32/SS BRACKET KIT AND DC-325P DC DRESS COVER. 11. FURNISH AND INSTALL VCT TO CONCRETE VINYL TRANSITION AT DOOR THRESHOLD. REFER TO DRAWING A-600 FOR DETAIL. 12. FURNISH AND INSTALL VCT TO VCT ADAPTOR AT DOOR THRESHOLD. REFER TO DWG. A-600 FOR DETAIL. 13. FURNISH AND INSTALL HOLLOW METAL DOOR FRAME WITH THERMAL BREAK.

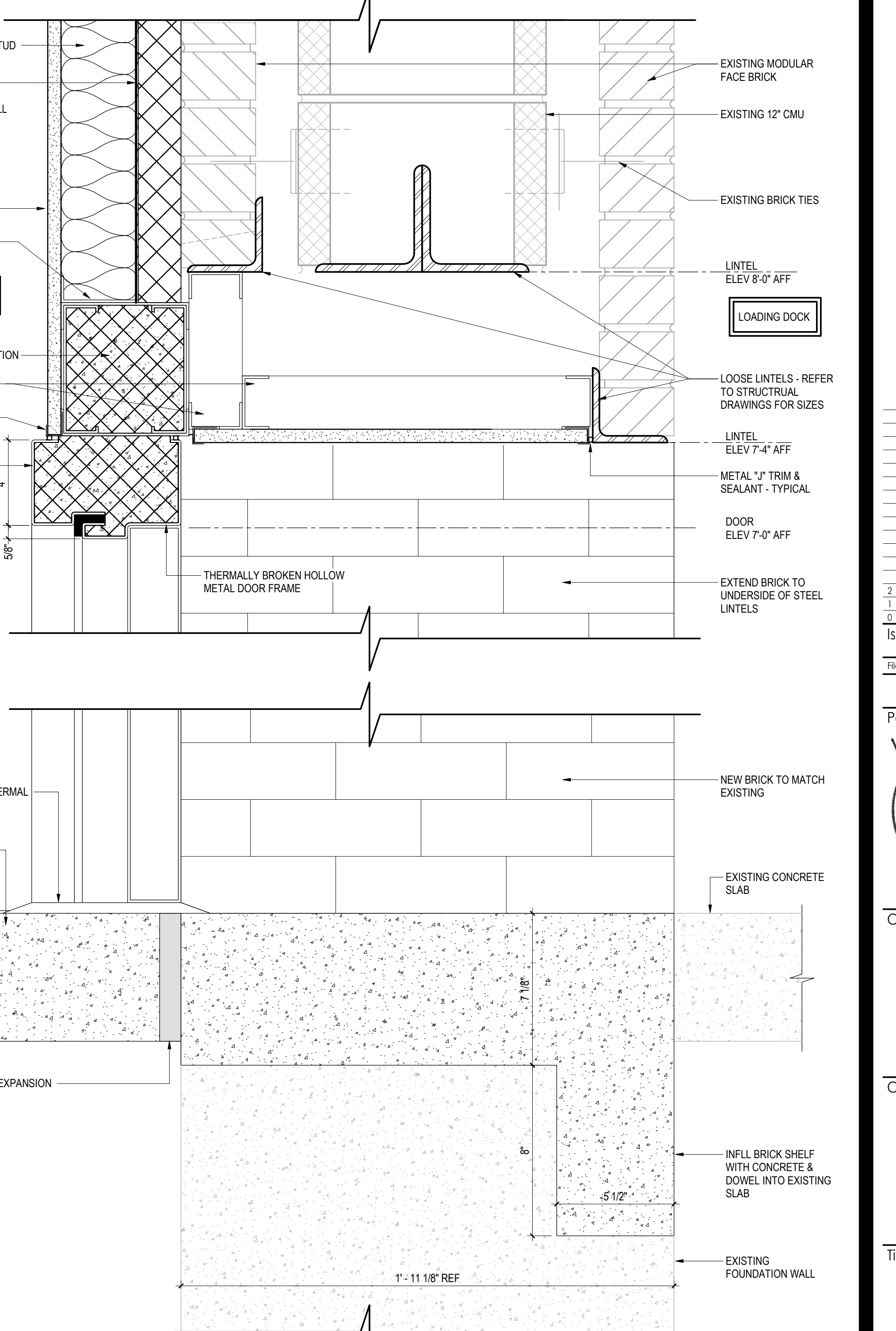
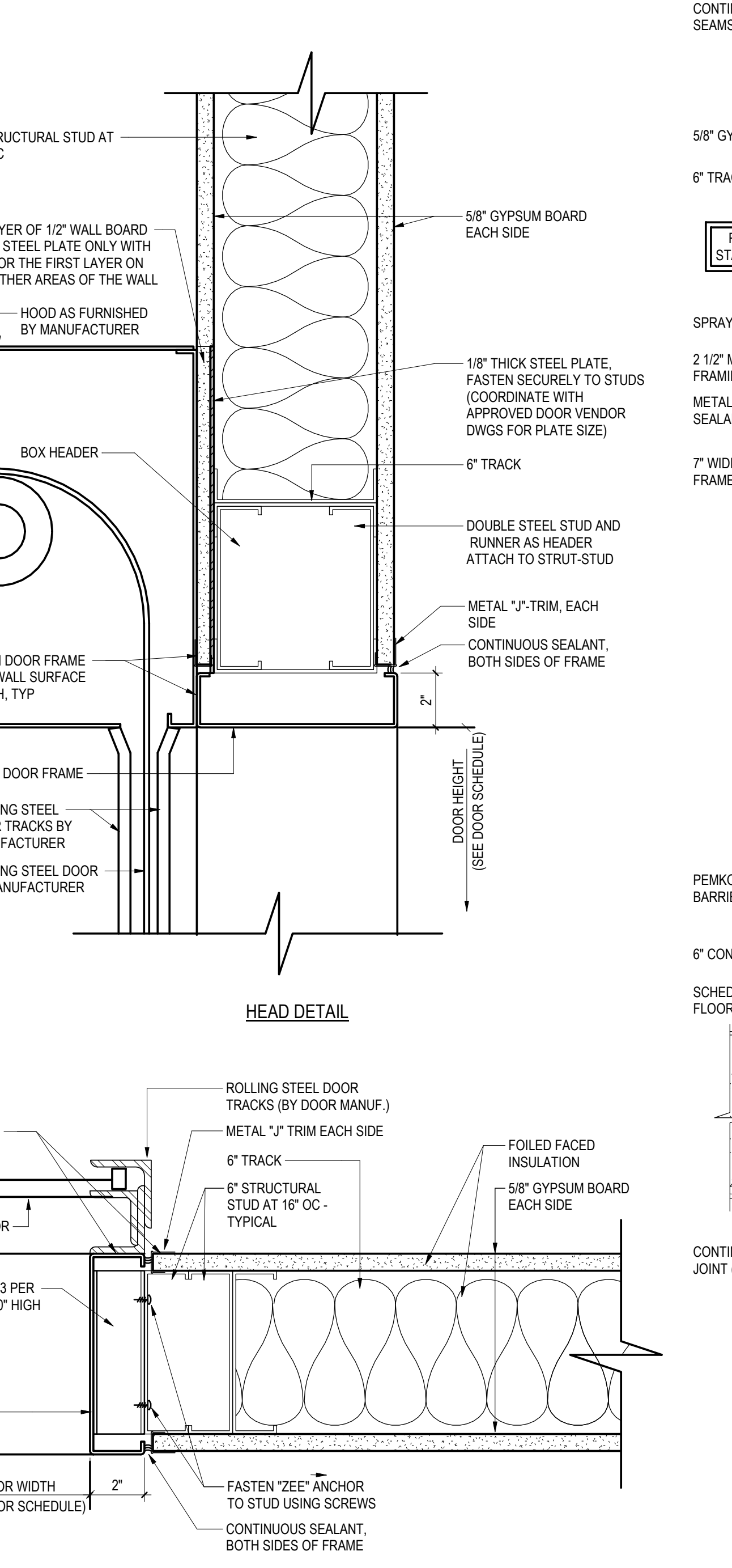
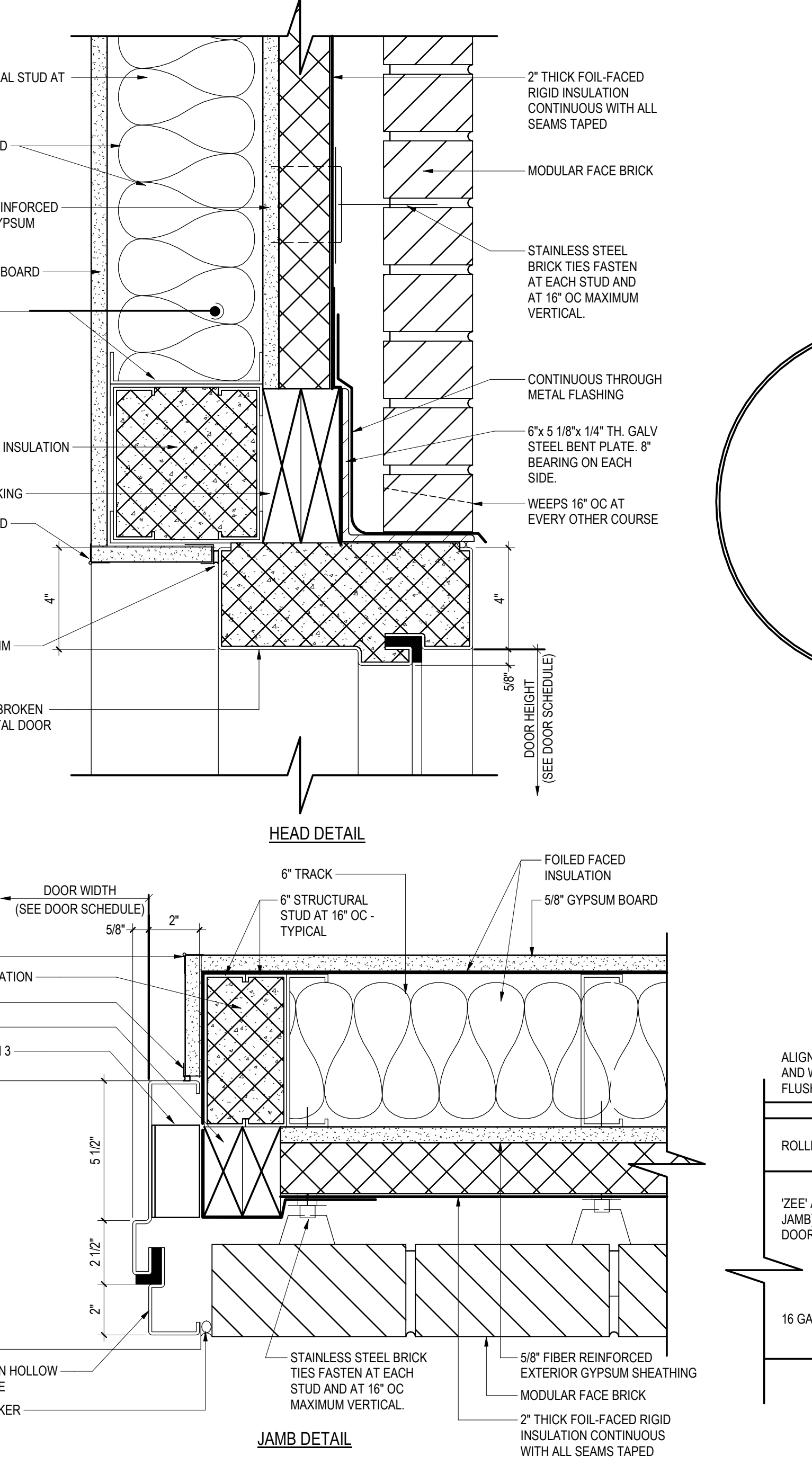
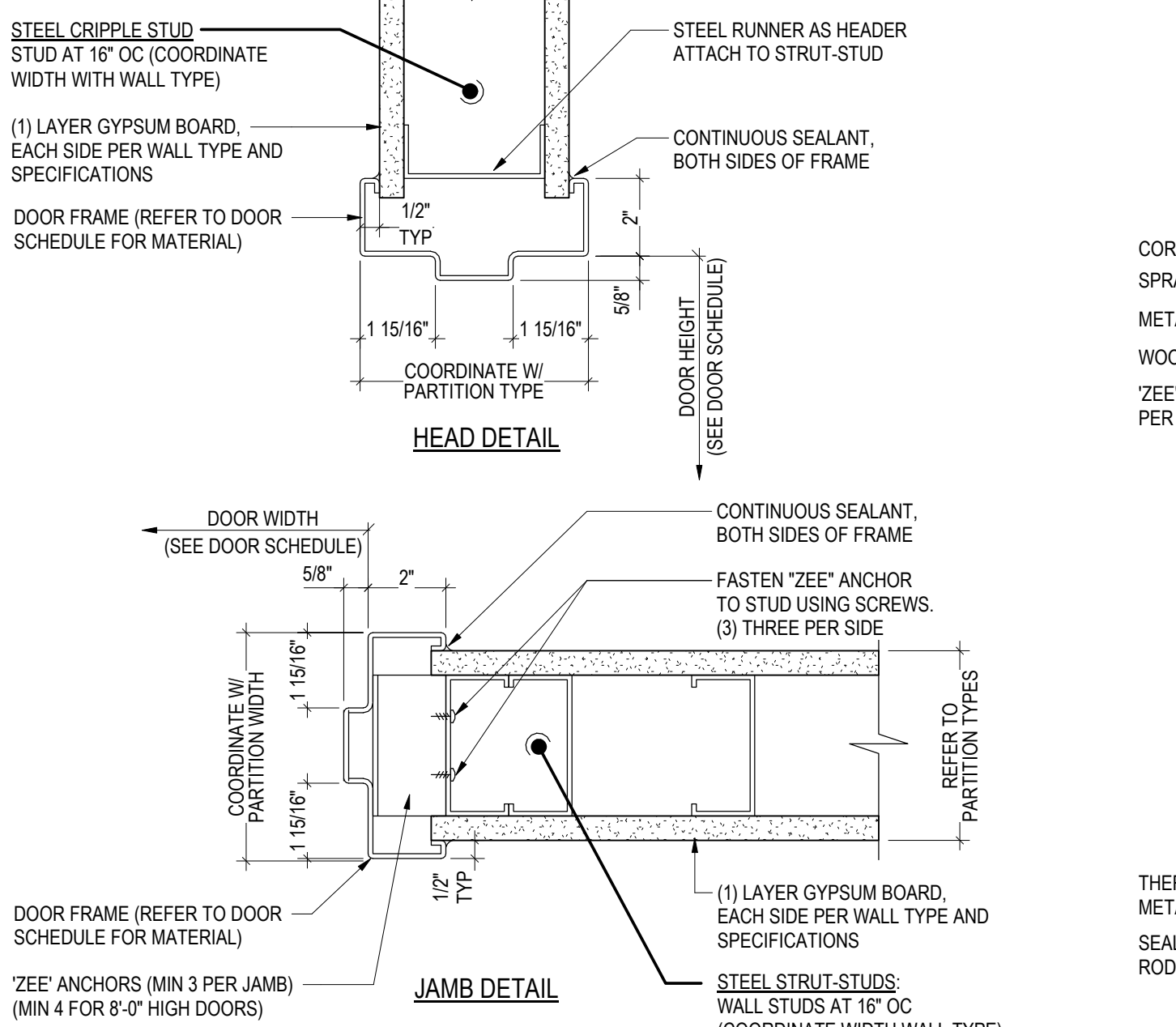
DOOR SCHEDULE ABBREVIATIONS

- 45 45 MINUTE RATED DOOR / FRAME F FLUSH A A HOLLOW METAL DOOR OR FRAME RUD ROLL UP DOOR SS STAINLESS STEEL ST GALVANIZED STEEL TG FULLY TEMPERED GLASS

DOOR TYPES



FRAME TYPES



1 HOLLOW METAL DOOR FRAME IN DRYWALL PARTITION SCALE: 3\"/>

2 HOLLOW METAL DOOR FRAME IN NEW EXTERIOR WALL SCALE: 3\"/>

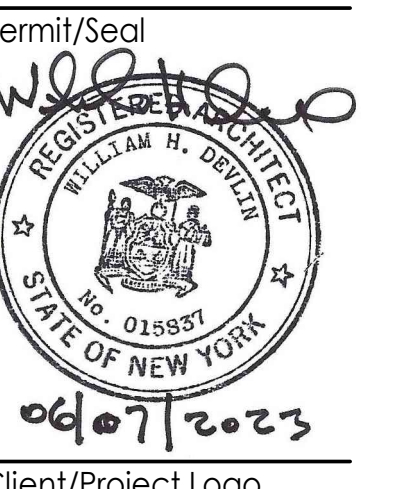
3 ROLLING STEEL DOOR IN DRYWALL PARTITION SCALE: 3\"/>

4 HOLLOW METAL DOOR FRAME IN EXISTING BRICK/CMU WALL SCALE: 3\"/>

Notes

Table of notes and specifications for door installation, including material requirements and manufacturer details.

Revision table with columns: No., Description, Date, By, App'd.



Client/Project Pfizer Global Research and Development Hamilton BiOS #2 Addition Pearl River, NY Title DOOR TYPES, SCHEDULE AND DETAILS Project No. 191501254 Scale As indicated Revision Drawing No. 2 A-601

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Notes


2	PLANNING BOARD RESUBMISSION	EBN	JFF	2023.06.07
1	FOR OWNERS REVIEW	EBN	JFF	2023.04.05
0	ISSUED FOR PERMIT	EBN	JFF	2023.02.22
	Issued/Revision	By	App'd	YYYY.MM.DD

File Name: N/A	EBN	EBN	JFF	2023.03.12
	Draw.	Draw.	Chg.	YYYY.MM.DD

Permit/Seal



Client/Project Logo



Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
MECHANICAL NOTES, SYMBOLS, AND ABBREVIATIONS

Project No.  
191501254

Scale  
N.T.S.

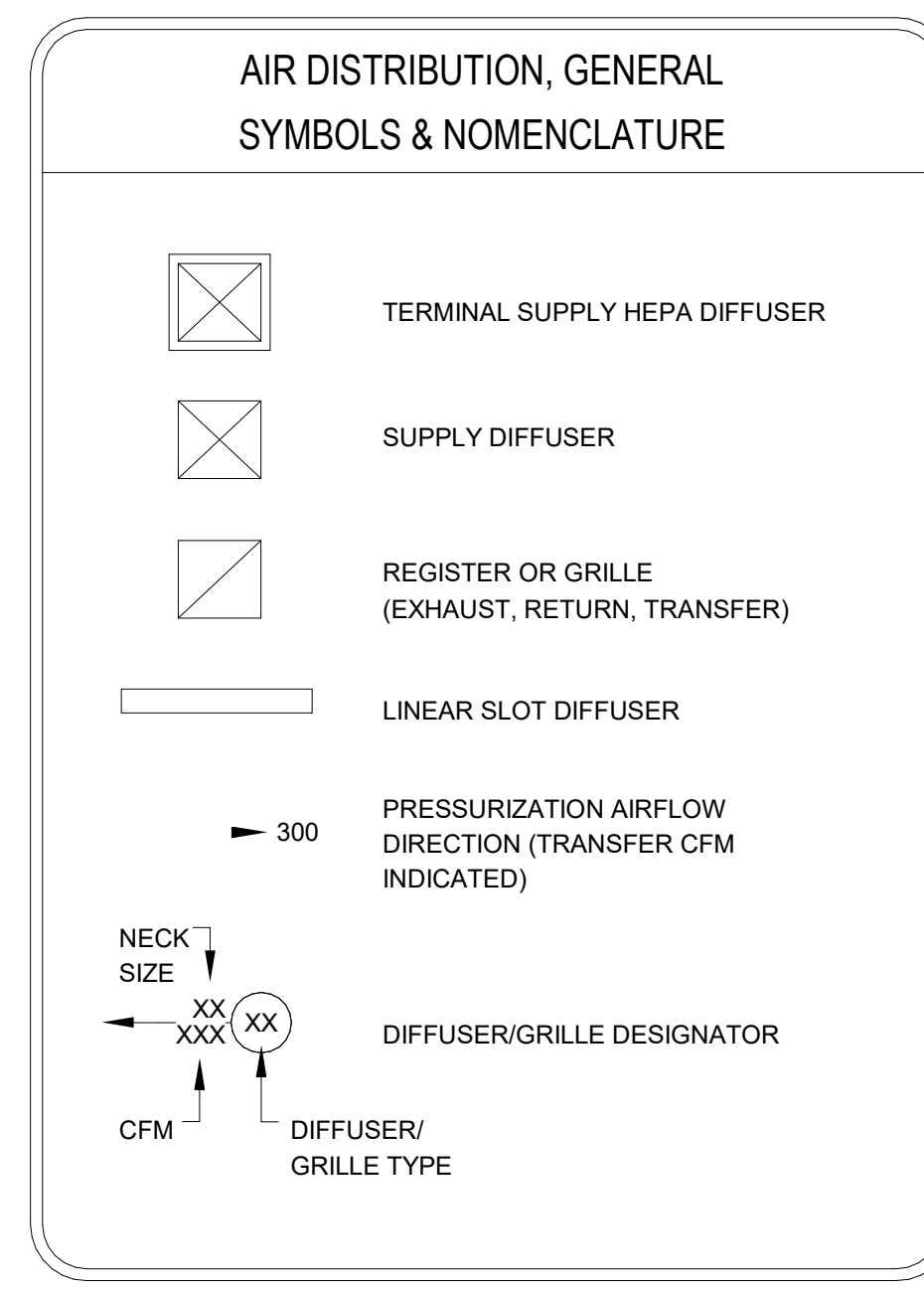
Revision

Drawing No.

**M000**

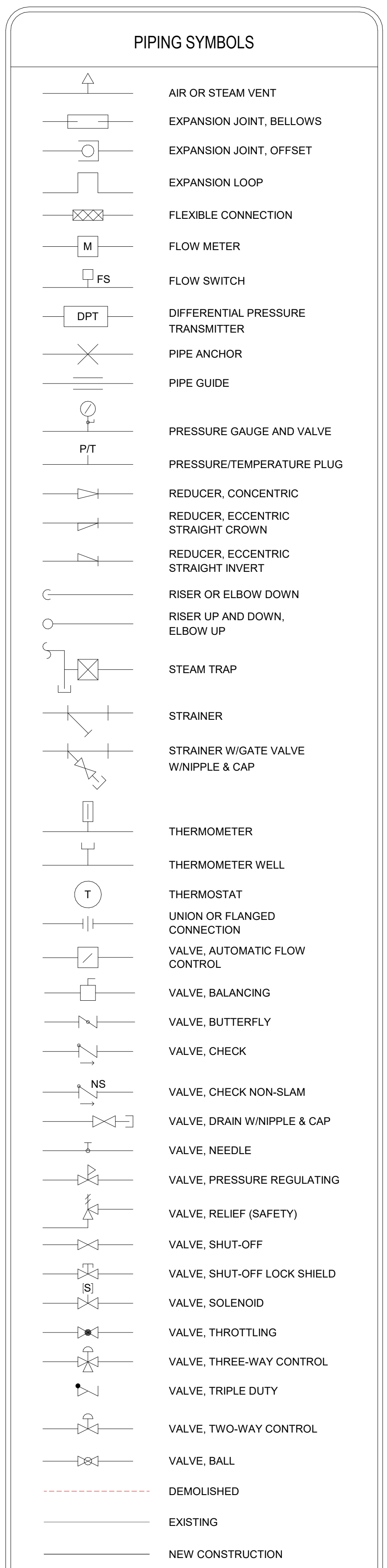
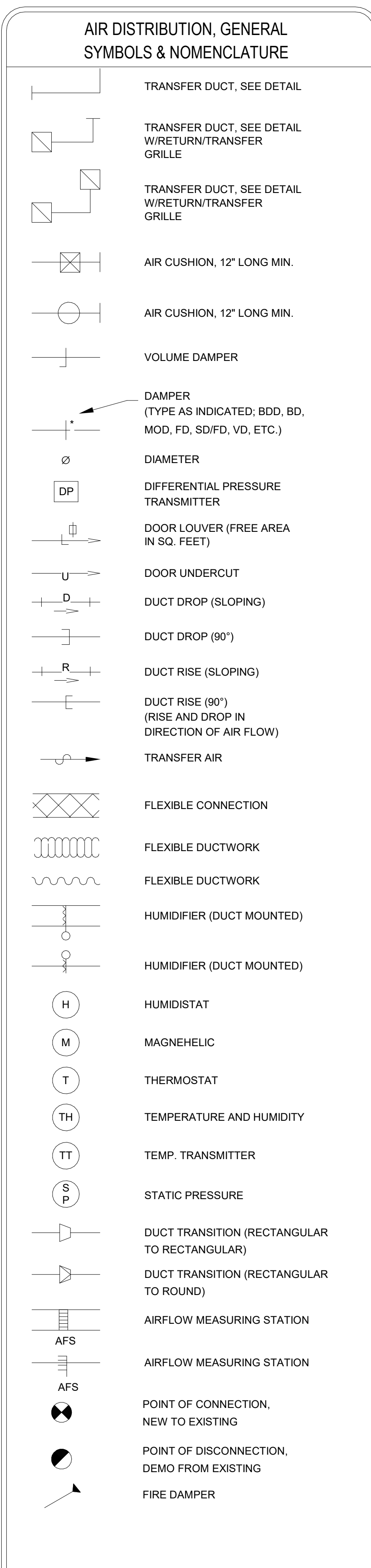
### GENERAL NOTES - APPLY TO ALL DRAWINGS

- FIELD COORDINATE THE LOCATIONS OF ALL PIPING AND DUCTWORK WITH THE WORK OF OTHER TRADES AND THE BUILDING STRUCTURE.
- COORDINATE WITH STRUCTURAL OPENINGS. PENETRATIONS SHALL NOT PASS THROUGH LOAD-BEARING STRUCTURAL MEMBERS.
- PROVIDE ISOLATION VALVES AT ALL TAKE-OFFS AND AT ALL DROPS TO EQUIPMENT AND/OR CASEWORK. MATCH VALVE MATERIAL TO PIPING MATERIAL.
- FIELD VERIFY EXISTING PIPING AND/OR DUCTWORK LOCATIONS PRIOR TO INSTALLATION OF NEW WORK.
- ALL SUPPLY, RETURN, AND EXHAUST TAKE-OFFS SHALL HAVE A VOLUME DAMPER.
- ALL FINAL TERMINAL CONNECTIONS SHALL BE HARD DUCTED; FLEX DUCT NO LONGER THAN 5 FEET SHALL BE PERMITTED. FLEX DUCT SHALL BE FULLY STRETCHED AND SUPPORTED.
- PROVIDE LOW-POINT DRAINS AT ALL LOW POINTS WITHIN SYSTEM AS REQUIRED TO FULLY DRAIN SYSTEM. PROVIDE HIGH-POINT VENTS AT ALL HIGH POINTS WITHIN THE SYSTEM TO ALLOW FOR VENTING OF PIPING DURING FILL AND DRAINING OPERATIONS.
- PROVIDE DIELECTRIC UNIONS AT ALL PIPE MATERIAL TRANSITIONS. UNIONS SHALL BE LOCATED IN AN ACCESSIBLE LOCATION.
- PROVIDE CHAIN OPERATORS OR HANDLE EXTENSIONS FOR ALL VALVES ABOVE 10'-0" AFF.
- ALL DUCTWORK SHALL BE CONSTRUCTED TO +1/8" WG AND SEAL CLASS A, PER SMACNA STANDARDS.



### SYMBOLS AND ABBREVIATIONS

ANALOG INPUT (TO DDC)	DIGITAL INPUT (TO DDC)
E = ELECTRIC H = HUMIDITY P = PRESSURE Q = AIRFLOW T = TEMPERATURE	E = ELECTRIC
CS = CURRENT SENSOR CWR = CHILLED WATER RETURN CWS = CHILLED WATER SUPPLY DPT = DIFFERENTIAL PRESSURE TRANSMITTER HWR = HEATING HOT WATER RETURN HWS = HEATING HOT WATER SUPPLY MA = MIXED AIR OA = OUTSIDE AIR RA = RETURN AIR SA = SUPPLY AIR SP = SPACE TEMPERATURE STM = STEAM VP = VELOCITY PRESSURE F = FLOW T = TEMPERATURE H = HUMIDITY VEL = VELOCITY V = VOLUME	BYP = BYPASS LL = LOWER LIMIT VFD = VARIABLE FREQUENCY DRIVE SD = SMOKE DETECTOR DP = DIFFERENTIAL PRESSURE FS = FREEZESTAT ST = STATUS F = FAULT
ANALOG OUTPUT (FROM DDC)	DIGITAL OUTPUT (FROM DDC)
E = ELECTRIC CS = CURRENT SENSOR CW = CHILLED WATER EA = EXHAUST AIR HX = HEAT EXCHANGER OA = OUTSIDE AIR RA = RETURN AIR RH = REHEAT SA = SUPPLY AIR SPD = SPEED CONTROL STM = STEAM AF = AIR FLOW FH = FUMEHOOD T = TEMPERATURE SP = STATIC PRESSURE	E = ELECTRIC S/S = START / STOP O/C = OPEN/CLOSE E/D = ENABLE/DISABLE



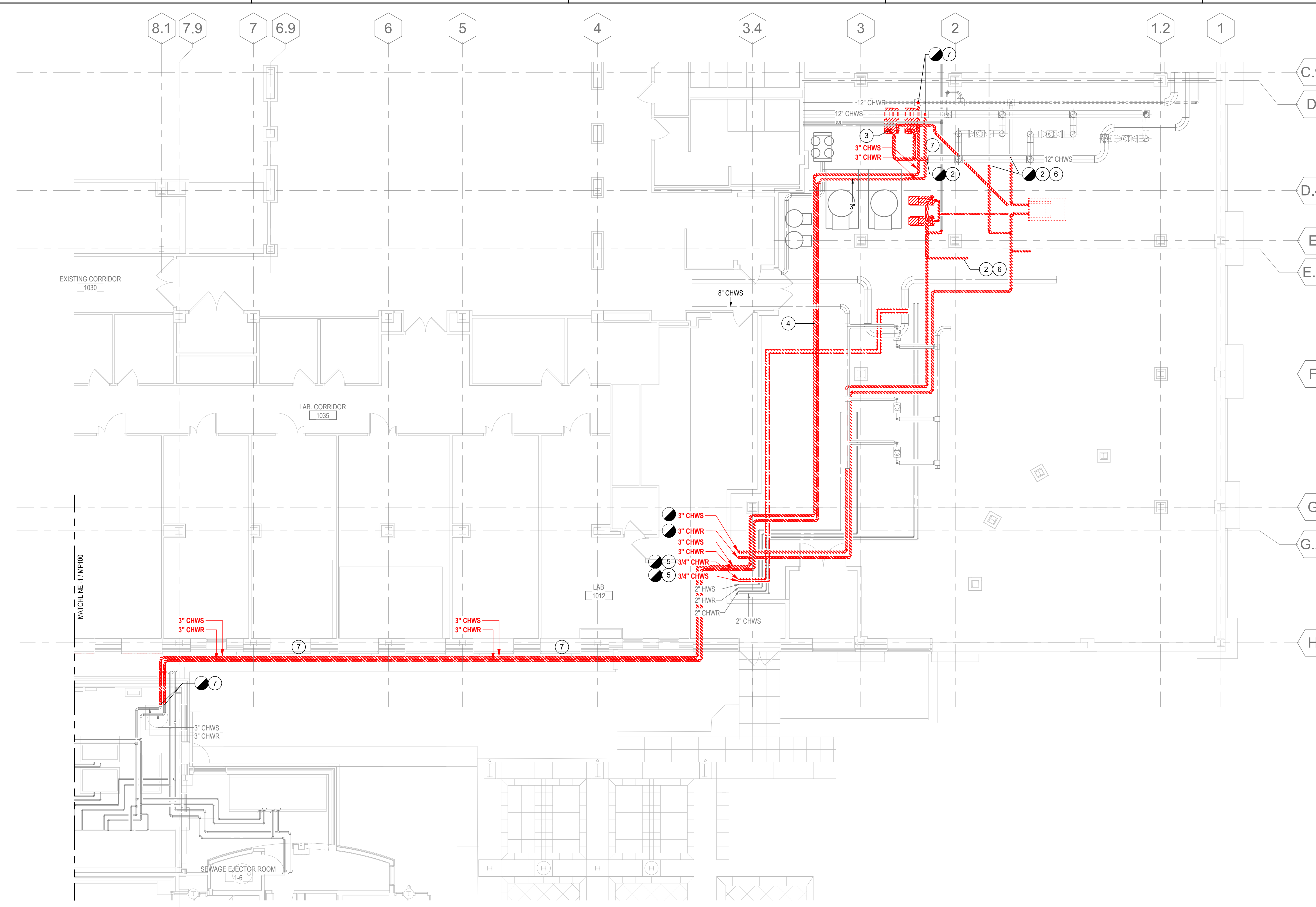
### ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE	HHWS	HEATING HOT WATER SUPPLY
AD	ACCESS DOOR	HHWR	HEATING HOT WATER RETURN
AFF	ABOVE FINISHED FLOOR	HX	HEAT EXCHANGER
AHP	COMPRESSED AIR HIGH PRESSURE	IA	INSTRUMENT AIR
ALP	COMPRESSED AIR LOW PRESSURE	INF	INFILTRATION
AFS	AIR FLOW MEASURING STATION	LAT	LEAVING AIR TEMPERATURE
AHU	AIR HANDLING UNIT	LB	POUND
AMS	AIR MEASURING STATION	LBD	LINEAR BAR DIFFUSER
AP	ACCESS PANEL	LBG	LINEAR BAR GRILLE
ATC	AUTOMATIC TEMPERATURE CONTROL	LFD	LAMINAR AIRFLOW DIFFUSER
AVB	AIR VOLUME CONTROL BOX	LFM	LAMINAR FLOW MODULE
AWT	AVERAGE WATER TEMPERATURE	LLD	LINEAR LOUVER DIFFUSER
AW	ACID WASTE	LLG	LINEAR LOUVER GRILLE
AV	ACID VENT	LPA	LOW PRESSURE AIR
BD	BALANCE DAMPER	LPC	LOW PRESSURE CONDENSATE
BDD	BACKDRAFT DAMPER	LPS	LOW PRESSURE STEAM
BFP	BACKFLOW PREVENTER	LSD	LINEAR SLOT DIFFUSER
BFW	BOILER FEED WATER	LV	LAB VACUUM
BHP	BRAKE HORSEPOWER	LVG	LINEAR VOLUME GRILLE
BOI	BOTTOM OF INSULATION	LVD	LINEAR VARIABLE VOLUME DIFFUSER
BOD	BOTTOM OF DUCT	LVG	LINEAR VARIABLE VOLUME GRILLE
BOP	BOTTOM OF PIPE	LWT	LEAVING WATER TEMPERATURE
BSC	BIO-SAFETY CABINET	LF	LINEAR FEET
BSL	BIO-SAFETY LEVEL	MBH	THOUSAND BTU'S PER HOUR
BT	BUCKET TRAP	MEZZ	MEZZANINE
BTU	BRITISH THERMAL UNITS	MH	MANHOLE
BTUH	BTUS PER HOUR	MOD	MOTOR OPERATED DAMPER
C	CONDENSATE	MPC	MEDIUM PRESSURE CONDENSATE
CC	COOLING COIL	MPS	MEDIUM PRESSURE STEAM
CD	CEILING DIFFUSER	(N)	NEW
CDR	CEILING DIFFUSER, ROUND	NC	NORMALLY CLOSED
CO	CLEAN OUT	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NORMALLY OPEN
CHS	EXISTING CHILLED WATER SUPPLY	NTS	NOT TO SCALE
CHR	EXISTING CHILLED WATER RETURN	OA	OUTSIDE AIR
CHWS	CHILLED WATER SUPPLY	OAI	OUTSIDE AIR INTAKE
CHWR	CHILLED WATER RETURN	OBDD	OPOSED BLADE DAMPER
CS	CLEAN STEAM	OF	OVER FLOW
CSG	CLEAN STEAM GENERATOR	PCGR	PROCESS CHILLED GLYCOL RETURN
CUH	CABINET UNIT HEATER	PCGS	PROCESS CHILLED GLYCOL SUPPLY
CV	CONTROL VALVE	PCR	PUMPED CONDENSATE RETURN
CVE	CONSTANT VOLUME EXHAUST	PD	PROCESS DRAIN
CVR	CONSTANT VOLUME RETURN	PFD	PERFORATED FACE DIFFUSER
CVS	CONSTANT VOLUME SUPPLY	PG	PERFORATED FACE GRILLE
CWFI	COLD WATER FOR INJECTION	PG	PROPANE GAS
DB	DRY BULB	PHC	PREHEAT COIL
DCW	DOMESTIC COLD WATER	PHW	PROCESS HOT WATER
DA	DIAMETER	PHV	POUNDS PER HOUR
DFD	DYNAMIC FIRE DAMPER	PRV	PRESSURE REDUCING VALVE
	WITH ACCESS DOOR	PSI	POUNDS PER SQUARE INCH
DHW	DOMESTIC HOT WATER	PV	PROCESS VENT
DHWR	DOMESTIC HOT WATER RETURN	PW	PROCESS WASTE
DN	DOWN	R	REFRIGERANT
DPT	DIFFERENTIAL PRESSURE TRANSMITTER	RA	RETURN AIR
DV	DRAIN VALVE	RD	ROOF DRAIN
EA	EXHAUST AIR	RG	RETURN GRILLE
EAC	EXHAUST AIR CONTROLLER	RFG	RECTANGULAR FILTER GRILLE
EAT	ENTERING AIR TEMPERATURE	RH	RELATIVE HUMIDITY
EF	EXHAUST FAN	RHC	REHEAT COIL
EG	EXHAUST GRILLE	RPM	REVOLUTIONS PER MINUTE
EJ	EXPANSION JOINT	RR	RETURN REGISTER
EL	ELEVATION	RWC	RAIN WATER CONDUCTOR
ER	EXHAUST REGISTER	S	STEAM
ESP	EXTERNAL STATIC PRESSURE	SA	SUPPLY AIR
ET	ELEPHANT TRUNK	SAN	SANITARY
ES-X	EMERGENCY SHOWER	SAC	SUPPLY AIR CONTROLLER
EW-X	EYE-FACE WASH	SAT	SOUND ATTENUATOR
EWS-X	EMERGENCY SHOWER/EYE-FACE WASH	SC	SAMPLE COOLER
EXF	EXFILTRATION	SD	SMOKE DAMPER WITH ACCESS DOOR
EWT	ENTERING WATER TEMPERATURE	SD/DFD	COMBINATION SMOKE/FIRE DAMPER
EXH	EXHAUST		WITH ACCESS DOOR
F	DEGREE FAHRENHEIT	SG	SUPPLY GRILLE
FC	FLEXIBLE CONNECTION	SP	STATIC PRESSURE
FCO	FLOOR CLEAN OUT	SR	SUPPLY REGISTER
FD	FLOOR DRAIN	SS	STAINLESS STEEL
FCU	FAN COIL UNIT	SS	STAINLESS STEEL
F.D.	FLOOR DRAIN	STM	STEAM
FD	FIRE DAMPER WITH ACCESS DOOR	SV	STEAM VENT
FF	FINISHED FLOOR	TCU	THERMAL CONTROL UNIT
FHE	FUME HOOD	TCUR	THERMAL CONTROL UNIT RETURN
FHE	FUME HOOD EXHAUST	TCUS	THERMAL CONTROL UNIT SUPPLY
F&T	FLOAT & THERMOSTATIC TRAP	TDV	THERMAL DISPLACEMENT VENTILATOR
FFM	FEET PER MINUTE	TT	TRANSFER GRILLE
FTR	FINNED TUBE RADIATION	TT	THERMOSTATIC TRAP
GAL	GALLONS	TOP	TOP OF DUCT
GPH	GALLONS PER HOUR	TOP	TOP OF PIPE
GPM	GALLONS PER MINUTE	TOP	TOP OF PIPE
GR	GRILLE	TYP	TYPICAL
GRV	GRAVITY ROOF VENT	TSP	TOTAL STATIC PRESSURE
HC	HEATING COIL	TW	TEMPERED WATER
HD	HUB DRAIN	UH	UNIT HEATER
HHGS	HEATING HOT GLYCOL SUPPLY	V	VENT
HHGR	HEATING HOT GLYCOL RETURN	V	VARIABLE AIR VOLUME
HP	HORSEPOWER	VAV	VOLUME DAMPER
HPA	HIGH PRESSURE AIR	VDF	VARIABLE FREQUENCY DRIVES
HPC	HIGH PRESSURE CONDENSATE	VJ	VIBRATION ISOLATOR
HPS	HIGH PRESSURE STEAM	VVE	VARIABLE VOLUME EXHAUST
HRS	HEAT RECOVERY SUPPLY	VVR	VARIABLE VOLUME RETURN
HRR	HEAT RECOVERY RETURN	VVS	VARIABLE VOLUME SUPPLY
HV	HAND VALVE	WB	WET BULB
		WG	WATER GAUGE

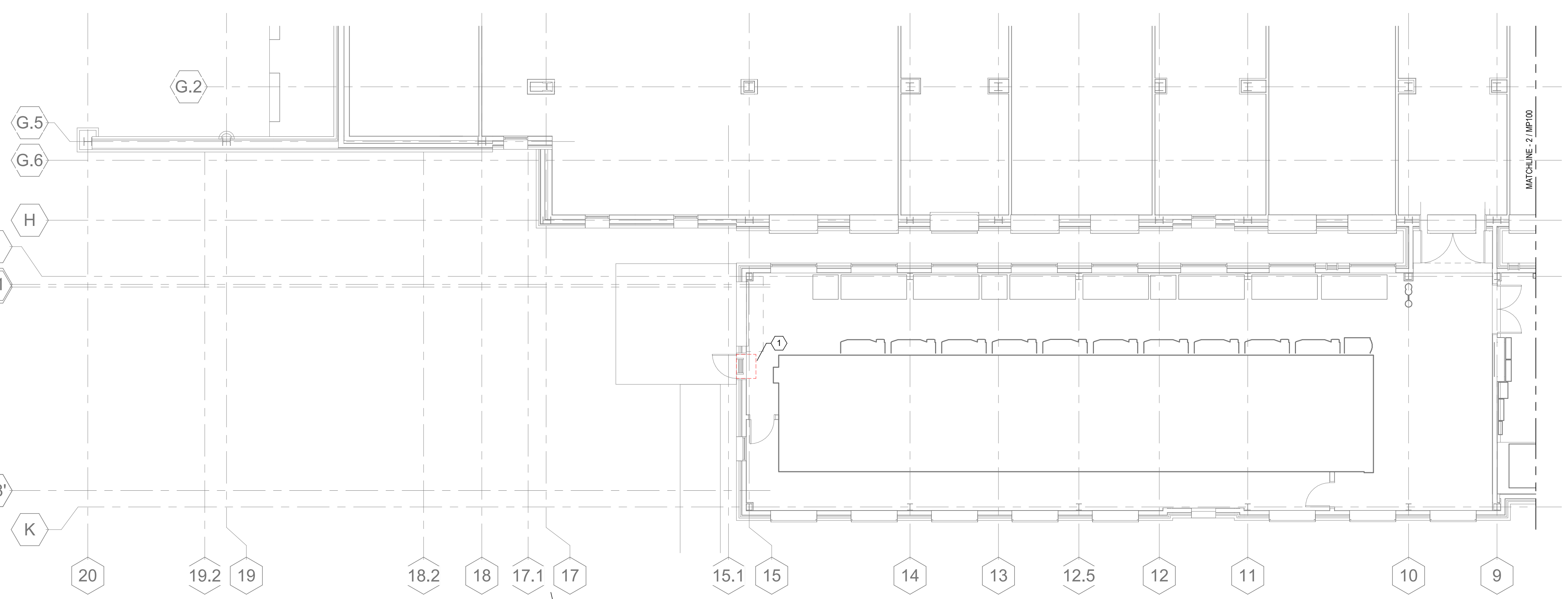
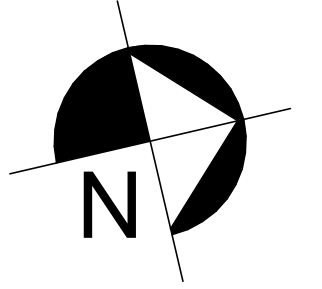
NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE REQUIRED FOR THIS PROJECT

**KEYED DEMOLITION NOTES**

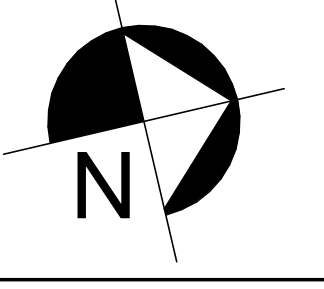
- ① REMOVE WALL MOUNTED EXHAUST FAN EF-10-1 AND ASSOCIATED HARDWARE AND WIRING. SALVAGE FAN FOR REUSE IN NEW BUILDING ADDITION.
- ② REMOVE EXISTING PIPING TO MAIN AND CAP.
- ③ CUT BACK EXISTING PIPING TO POINT SHOWN AND CAP.
- ④ REMOVE EXISTING PIPING, HANGERS, SUPPORTS, ETC IN THEIR ENTIRETY.
- ⑤ CUT BACK EXISTING PIPING TO LOCATION SHOWN AND CAP.
- ⑥ INSTALL BLIND FLANGE.
- ⑦ REMOVE EXISTING BIOS 3" CHWS AND CHWR LINES AND ANY ASSOCIATED PIPE HEAT TRACE BACK TO POINT SHOWN. REMOVE BACK TO NEAREST ISOLATION VALVE TO MAIN IN R222 MECHANICAL ROOM AND CAP. DISCONNECT CITY WATER TIE-IN LINE AND CAP FOR FUTURE USE. PROVIDE TEMPORARY FLEXIBLE HOSE 3" CHW CONNECTIONS TO EXISTING BIOS AS DEPICTED ON DRAWING M201.



**2 MECHANICAL PIPING FIRST FLOOR DEMOLITION PLAN CONTINUED**  
 MD100 1/8" = 1'-0"



**1 MECHANICAL PIPING FIRST FLOOR DEMOLITION PLAN**  
 MD100 1/8" = 1'-0"



Issued/Revision	By	Appd	2023.06.07
0 PLANNING BOARD RESUBMISSION	JJP		
File Name: N/A	KBN	JJP	2023.06.12
	Dwn	Dgn	Chgd

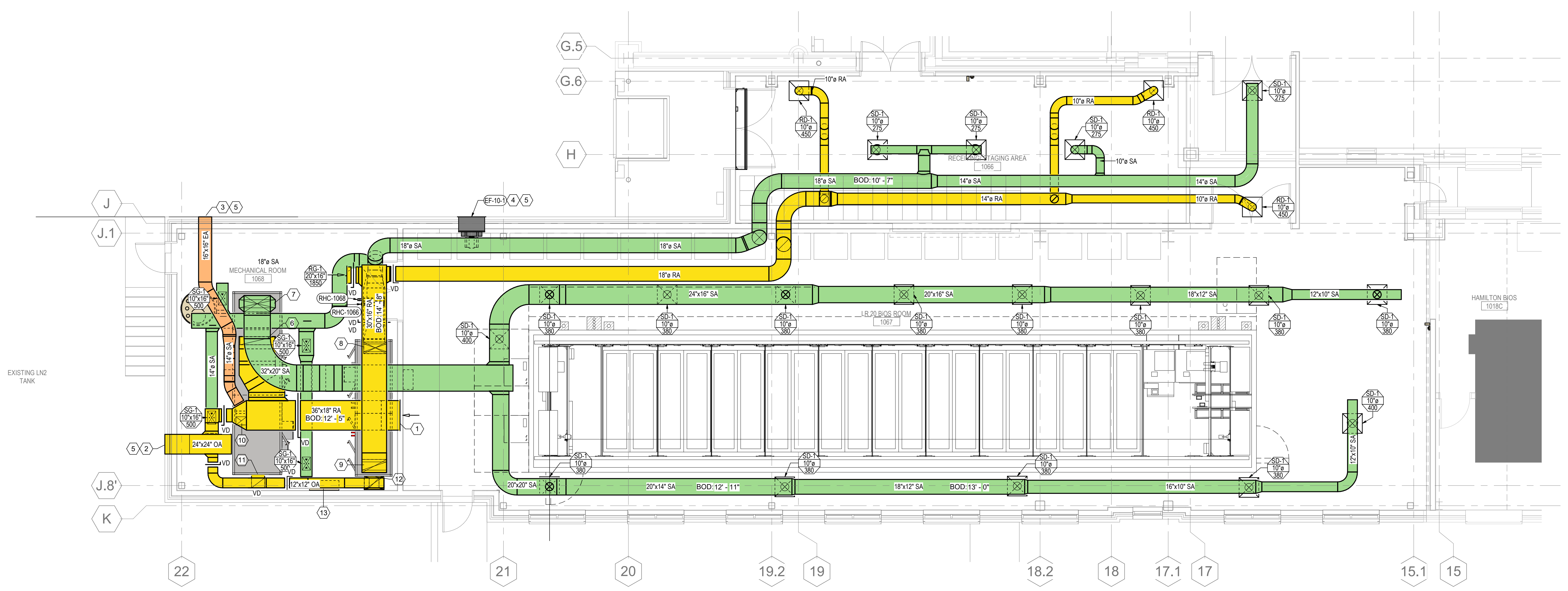


Client/Project  
 Pfizer Global Research and Development  
 Hamilton BiOS #2 Addition  
 Pearl River, NY  
 Title  
 MECHANICAL PIPING FIRST FLOOR  
 DEMOLITION PLAN

Project No. 191501254	Scale As indicated
Revision 0	Drawing No. <b>MD100</b>

4823 Location in Project Information  
 12/15/2023 1:25:19 AM  
 ORIGINAL SHEET - ARCH1

- KEYED INSTALLATION NOTES**
- 1 36" X 24" RETURN PLENUM WITH REGISTER IN FACE OF WALL, 4,890 CFM
  - 2 24"X24" OA INTAKE AIR LOUVER, WITH BIRD AND INSECT SCREEN AND OA PLENUM WITH INDIRECT DRAIN.
  - 3 16"X16" EXHAUST AIR LOUVER, WITH BIRD SCREEN.
  - 4 RELOCATE EXISTING EF-10-1 FROM EXISTING LOCATION TO NEW EXTERIOR WALL LOCATION SHOWN. REUSE EXISTING LOUVER, AND RE-INTERLOCK FAN WITH EXISTING MOTORIZED DAMPER MDE-10-1.
  - 5 REFER TO ARCHITECTURAL DRAWINGS FOR LOUVER DETAILS. MOUNT CENTER OF LOUVER 13'-2" A.F.F.
  - 6 44"X10" RETURN AIR DUCT CONNECTION TO AHU-11.
  - 7 44"X10" SUPPLY AIR DUCT CONNECTION FROM AHU-11.
  - 8 30"X10" SUPPLY AIR DUCT CONNECTION FROM AHU-12.
  - 9 30"X10" RETURN AIR DUCT CONNECTION TO AHU-12.
  - 10 13"X10" EA DUCT CONNECTION FROM AHU-11 REGENERATION.
  - 11 20"X20" OA DUCT CONNECTION TO AHU-11 REGENERATION.
  - 12 21"X15" OA DUCT CONNECTION TO AHU-12.
  - 13 48"X36"X12" HONEYWELL PLC CONTROL PANEL.



Rev	Description	By	App'd	Date	
2	PLANNING BOARD SUBMISSION	KBN	JFF	2023.06.07	
1	FOR OWNERS REVIEW	KBN	JFF	2023.04.05	
0	ISSUED FOR PERMIT	KBN	JFF	2023.02.22	
	Issued/Revision	By	App'd	YYYY.MM.DD	
	File Name: N/A	KBN	JFF	2023.03.12	
		Dwn.	Dgn.	Chgd.	YYYY.MM.DD



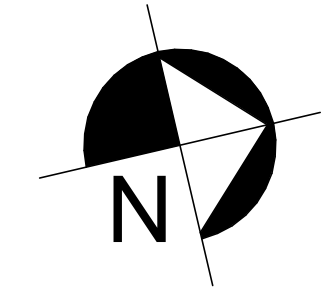
Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

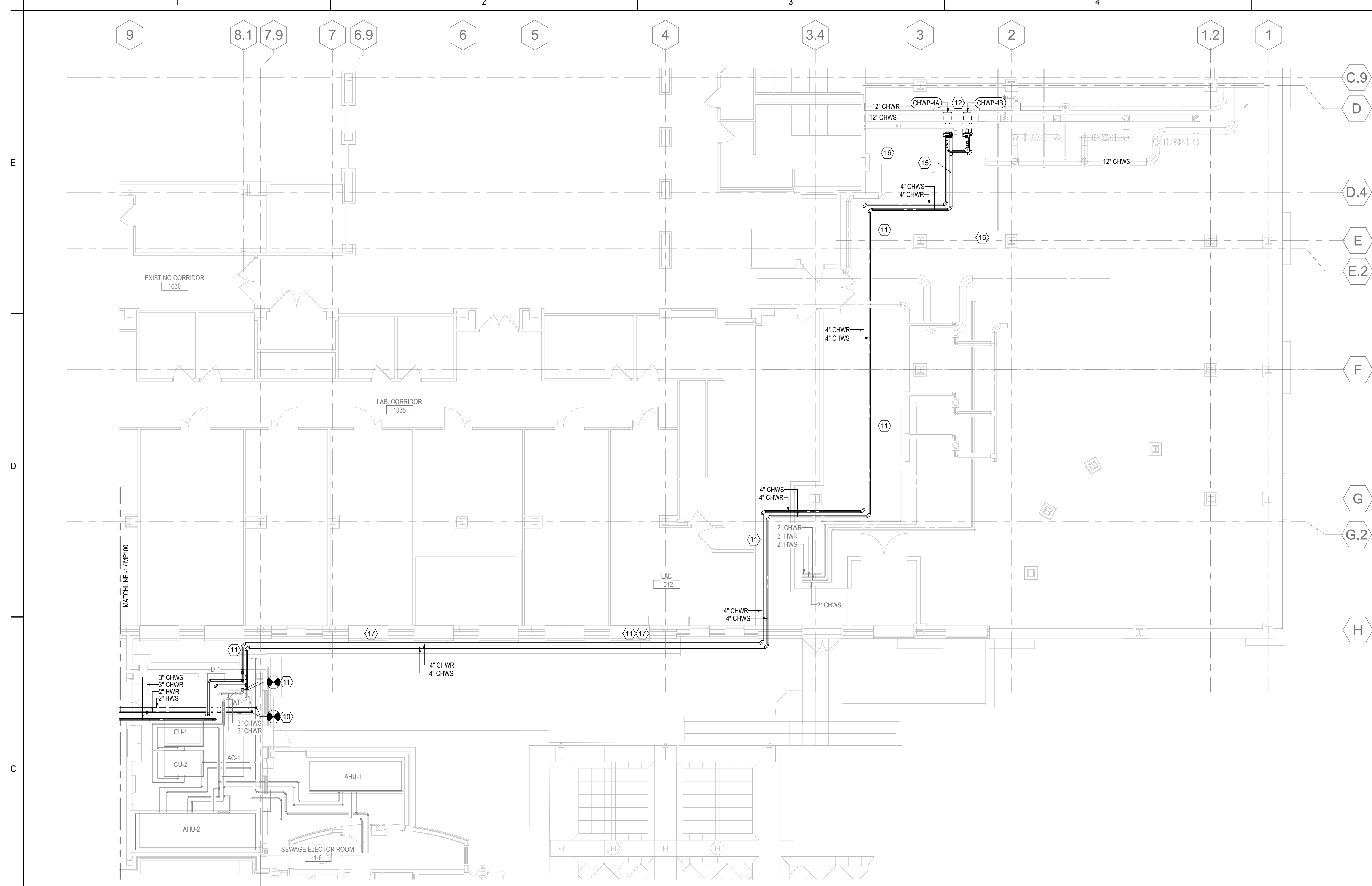
Title  
MECHANICAL HVAC FIRST FLOOR  
INSTALLATION PLAN

**1 MECHANICAL HVAC FIRST FLOOR PLAN**  
3/16" = 1'-0"

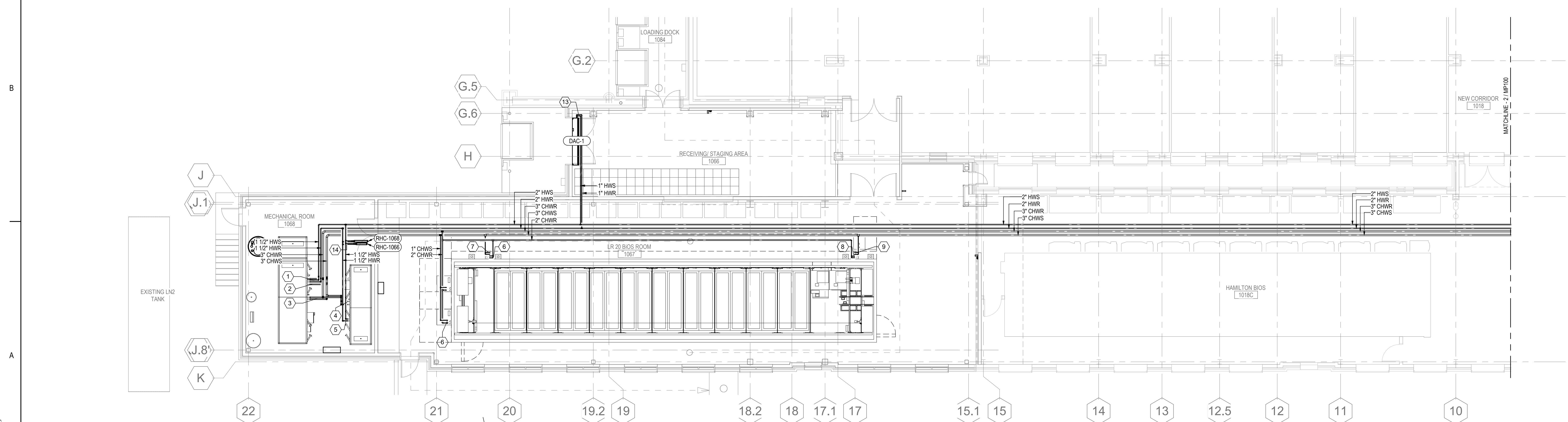
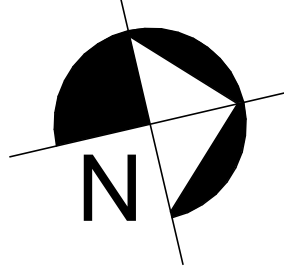


KEYED INSTALLATION NOTES

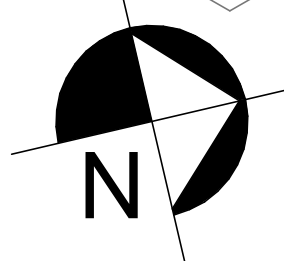
- 1 1 1/2" HWSR DOWN TO AHU-11 HEATING COIL.
- 2 2" CHWSR DOWN TO AHU-11 PRE-COOLING COIL.
- 3 2" CHWSR DOWN TO AHU-11 POST-COOLING COIL.
- 4 1 1/2" HWSR DOWN TO AHU-12 COOLING COIL.
- 5 1 1/2" HWSR DOWN TO AHU-12 HEATING COIL.
- 6 1" CHWS TO HAMILTON BIOS SYSTEM "A" AND SYSTEM "B" INLETS SERVING BAYS 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 1018E. 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 UPSIZED TO 4" FROM TIE-IN TO EXISTING BIOS SUITE. ALONG EXISTING EXTERIOR UNDERGROUND 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 SECONDARY PUMPS IN THE B222 MECHANICAL ROOM ON THE 4" CHWS LINE SERVING THE BIOS BUILDING AND BUILDING ADDITION. REFER TO M201 FOR DETAILS ON NEW CHWSR TIE-INS. EXISTING CHWSR LINES AND ASSOCIATED EQUIPMENT IN THE B222 MECHANICAL ROOM TO BE DEMOLISHED AND REROUTED. DETAILS ON THE CHWS PUMPS TO BE PROVIDED, AND OTHER CHWSR SCOPE INCLUDED AS PART OF THIS PROJECT.
- 12 PROVIDE CHWP-4A AND CHWP-4B TO SERVE EXISTING AND NEW BIOS ADDITION'S CHILLED WATER LOADS. REUSE HOUSEKEEPING PADS AND VIBRATION ISOLATION EQUIPMENT FROM DEMOLISHED CHWP-4A AND CHWP-4B.
- 13 3/4" HWSR CONNECTION TO AIR CURTAIN "DAC-1".
- 14 1/2" HWSR PIPING TO REHEAT COIL RHC-1066. 1/2" HWSR PIPING TO REHEAT COIL RHC-1068.
- 15 CONNECT EXISTING 3" CITY WATER BACKUP CONNECTION INTO NEW 4" CHWS LINE SERVING BIOS BUILDINGS IN THIS LOCATION.
- 16 REFER TO M201 FOR INFORMATION ON ADDITIONAL EXISTING SYSTEM NEW CHW TIE-IN POINTS, PIPE SIZES, AND ROUTING WITHIN B222 MECHANICAL ROOM.
- 17 NEW EXTERIOR 4" CHWSR PIPING WITHIN UNDERGROUND PIPE RACK TO BE HEAT TRACED. REFER TO DRAWINGS M501 AND M600 FOR INFORMATION AND DETAILS ON HEAT TRACE SYSTEM.



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



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



Rev	Description	By	App'd	Date
2	PLANNING BOARD RESUBMISSION	KBN	JFF	2023.06.07
1	FOR OWNERS REVIEW	KBN	JFF	2023.04.05
0	ISSUED FOR PERMIT	KBN	JFF	2023.02.22
	Issued/Revision	By	App'd	YYYY.MM.DD

Permit/Seal



Client/Project Logo



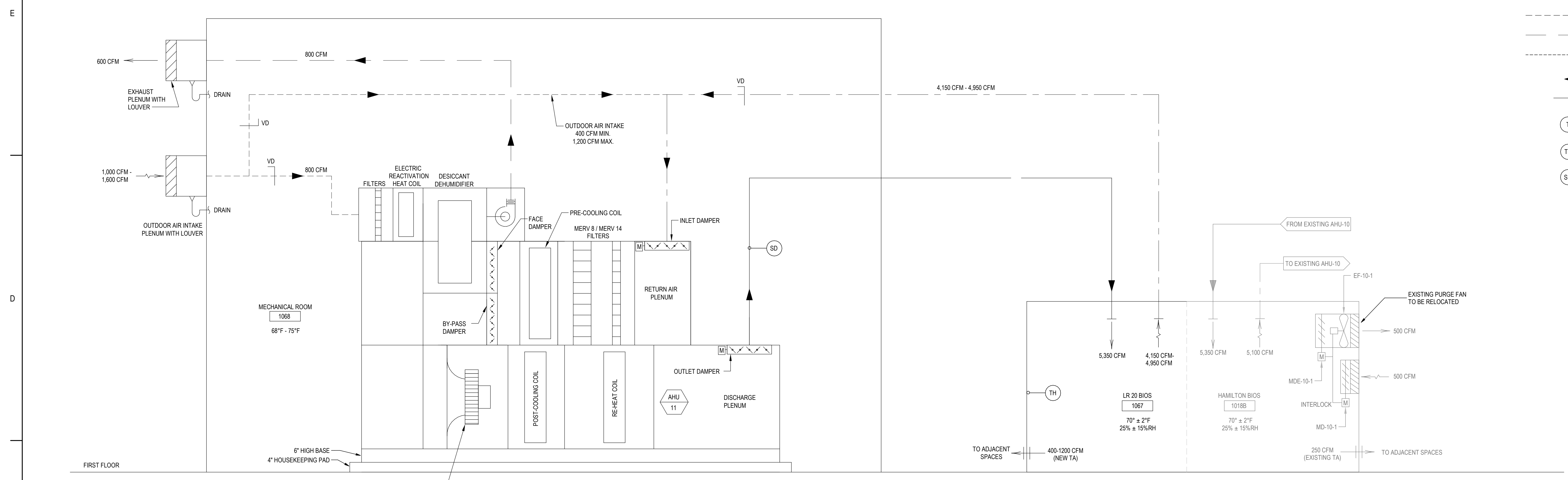
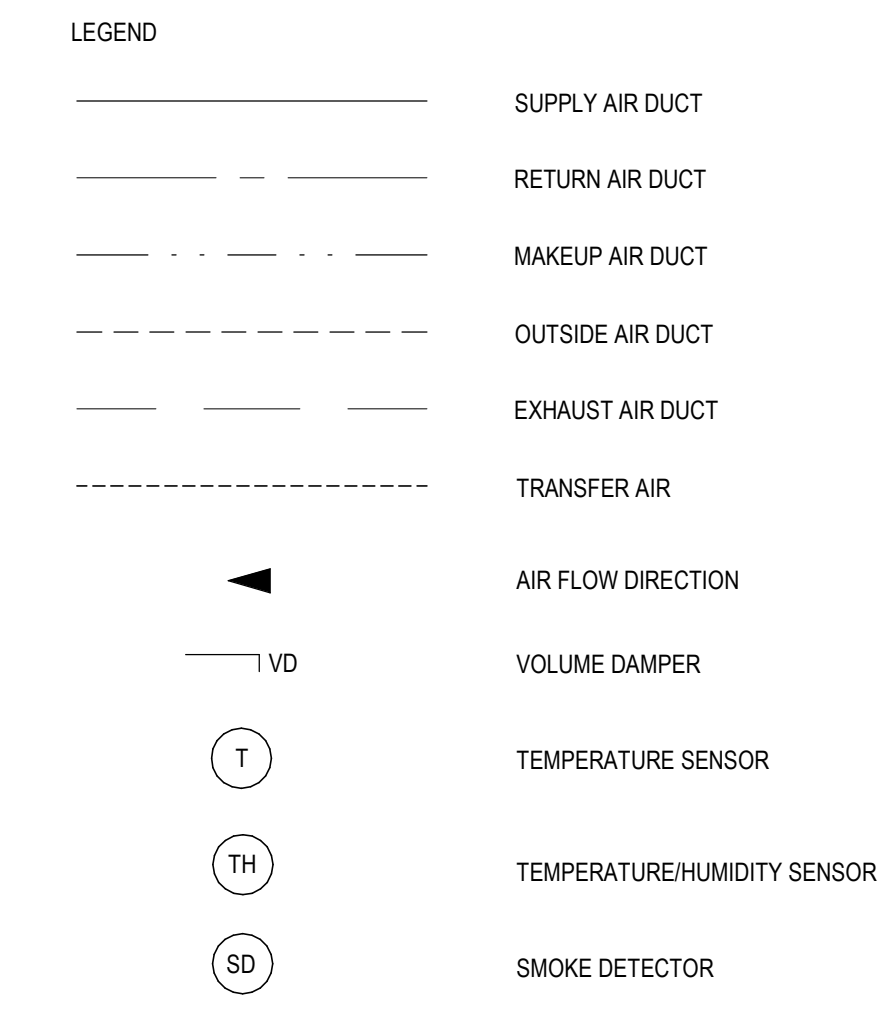
Client/Project  
Pfizer Global Research and Development

Hamilton BiOs #2 Addition

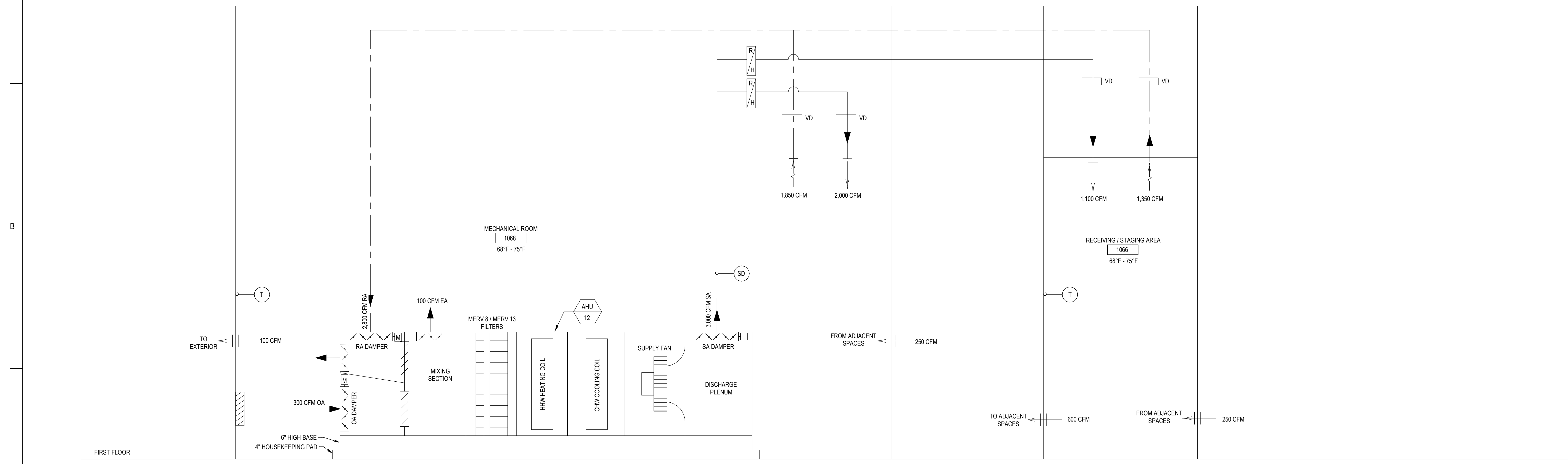
Pearl River, NY

Title  
MECHANICAL PIPING FIRST FLOOR  
INSTALLATION PLAN

Project No. 191501254 Scale As indicated  
Revision Drawing No. MP100  
2



**1** AIR HANDLING UNIT AHU-11 AF&ID  
M200 N.T.S.



**2** AHU-12 AF&ID  
M200 N.T.S.

2	PLANNING BOARD RESUBMISSION	KBN	JFP	2023.06.07
1	FOR OWNERS REVIEW	KBN	JFP	2023.04.05
0	ISSUED FOR PERMIT	KBN	JFP	2023.02.22
Issued/Revision		By	App'd	YYYY.MM.DD
File Name: N/A	KBN	KBN	JFP	2023.08.12
	Drawn	Diagn	Chkd	YYYY.MM.DD

Permit/Seal



Client/Project Logo



Client/Project  
Pfizer Global Research and Development

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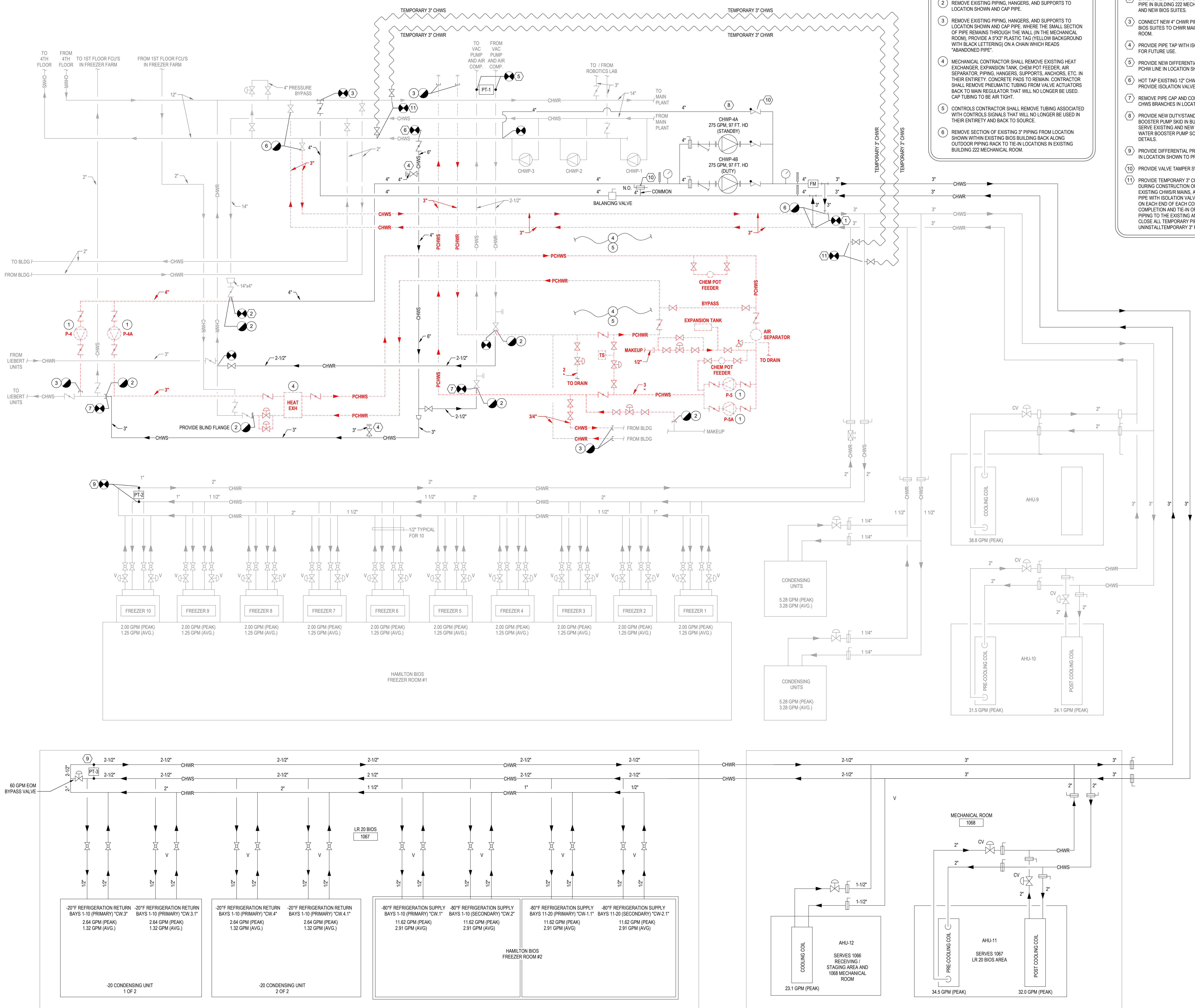
Pearl River, NY

Title  
AHU-11 AND AHU-12 AIRFLOW  
DIAGRAMS



- ### KEYED DEMOLITION NOTES
- REMOVE EXISTING PUMP, SUPPORTS, VALVES, GAUGES, SENSORS, COMPONENTS, ETC. IN THEIR ENTIRETY.
  - REMOVE EXISTING PIPING, HANGERS, AND SUPPORTS TO LOCATION SHOWN AND CAP PIPE.
  - REMOVE EXISTING PIPING, HANGERS, AND SUPPORTS TO LOCATION SHOWN AND CAP PIPE. WHERE THE SMALL SECTION OF PIPE REMAINS THROUGH THE WALL (IN THE MECHANICAL ROOM), PROVIDE A 5"x2" PLASTIC TAG (YELLOW BACKGROUND WITH BLACK LETTERING) ON A CHAIN WHICH READS "ABANDONED PIPE".
  - MECHANICAL CONTRACTOR SHALL REMOVE EXISTING HEAT EXCHANGER, EXPANSION TANK, CHEM POT FEEDER, AIR SEPARATOR, PIPING, HANGERS, SUPPORTS, ANCHORS, ETC. IN THEIR ENTIRETY. CONCRETE PADS TO REMAIN. CONTRACTOR SHALL REMOVE PNEUMATIC TUBING FROM VALVE ACTUATORS BACK TO MAIN REGULATOR THAT WILL NO LONGER BE USED. CAP TUBING TO BE AIR TIGHT.
  - CONTROLS CONTRACTOR SHALL REMOVE TUBING ASSOCIATED WITH CONTROLS SIGNALS THAT WILL NO LONGER BE USED IN THEIR ENTIRETY AND BACK TO SOURCE.
  - REMOVE SECTION OF EXISTING 3" PIPING FROM LOCATION SHOWN WITH EXISTING BIOS BUILDING BACK ALONG OUTDOOR PIPING RACK TO TIE-IN LOCATIONS IN EXISTING BUILDING 222 MECHANICAL ROOM.

- ### KEYED INSTALLATION NOTES
- CONNECT 3" CHWSR SERVING EXISTING BIOS IN LOCATION SHOWN.
  - EXTEND NEW 4" CHWS PIPING FROM EXISTING CAPPED 4" CHWS PIPE IN BUILDING 222 MECHANICAL ROOM TO SERVE EXISTING AND NEW BIOS SUITES.
  - CONNECT NEW 4" CHWR PIPING SERVING EXISTING AND NEW BIOS SUITES TO CHWR MAIN IN BUILDING 222 MECHANICAL ROOM.
  - PROVIDE PIPE TAP WITH ISOLATION VALVE AND BLIND FLANGE FOR FUTURE USE.
  - PROVIDE NEW DIFFERENTIAL PRESSURE TRANSMITTER ON PCHW LINE IN LOCATION SHOWN.
  - HOT TAP EXISTING 12" CHWS PIPE WITH NEW 6" CHWS PIPE AND PROVIDE ISOLATION VALVE ON NEW 6" CHWS LINE.
  - REMOVE PIPE CAP AND CONNECT CHWS PIPING FROM NEW CHWS BRANCHES IN LOCATIONS SHOWN.
  - PROVIDE NEW DUTY/STANDBY/BYPASS CHILLED WATER BOOSTER PUMP SKID IN BUILDING 222 MECHANICAL ROOM, TO SERVE EXISTING AND NEW BIOS SUITES. REFER TO CHILLED WATER BOOSTER PUMP SCHEDULE ON M600 FOR PUMP DETAILS.
  - PROVIDE DIFFERENTIAL PRESSURE TRANSMITTER ON CHW LINE IN LOCATION SHOWN TO PROVIDE FEEDBACK TO P-4A AND P-4B.
  - PROVIDE VALVE TAMPER SWITCH, WITH ALARM TO BMS.
  - PROVIDE TEMPORARY 3" CHWSR FLEXIBLE PIPING FOR USE DURING CONSTRUCTION OF THE NEW BIOS ADDITION. HOT TAP EXISTING CHWSR MAINS, AND PROVIDE SECTIONS OF 3" HARD PIPE WITH ISOLATION VALVE AND HOSE CONNECTION FITTING ON EACH END OF EACH CONNECTED SYSTEM FOLLOWING COMPLETION AND TIE-IN OF THE NEW CONSTRUCTION CHWSR PIPING TO THE EXISTING AND NEW BIOS ADDITIONS. FULLY CLOSE ALL TEMPORARY PIPING ISOLATION VALVES. UNINSTALL TEMPORARY 3" FLEXIBLE PIPING, AND CAP PIPES.



Issued/Revision	By	App'd	Date
2	KBN	JFF	2023.06.07
1	KBN	JFF	2023.04.05
0	KBN	JFF	2023.02.22
Issued/Revision			
File Name: N/A	KBN	JFF	2023.06.12
	Dwn	Chg	YYYYMMDD



Client/Project Logo

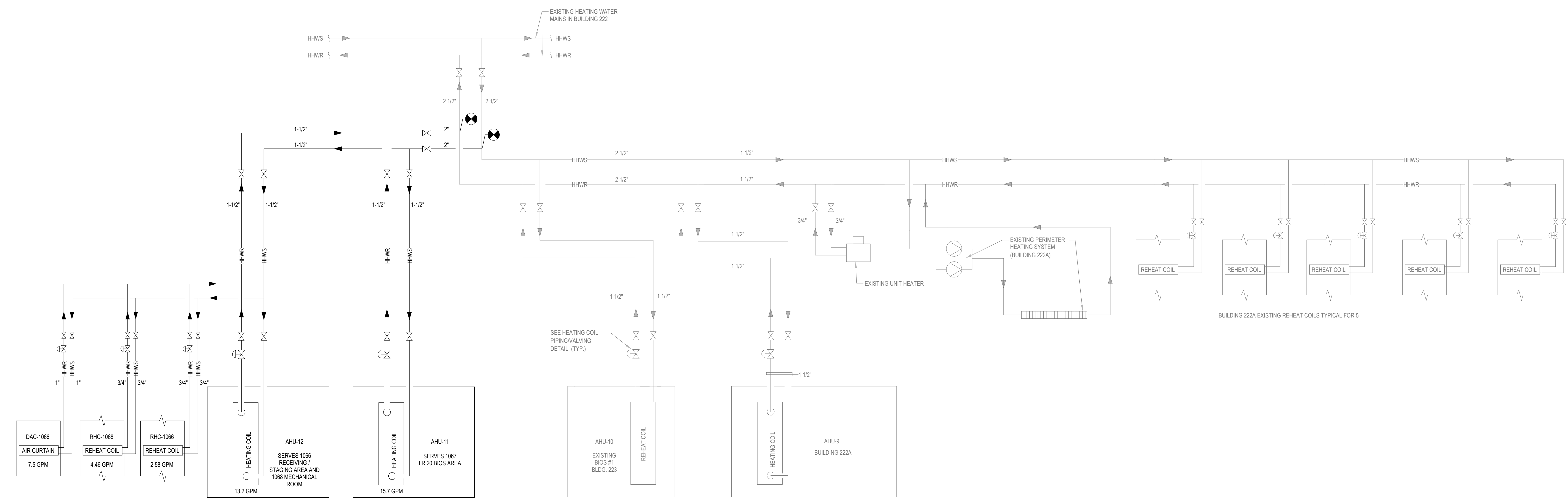
Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
CHILLED WATER FLOW DIAGRAM

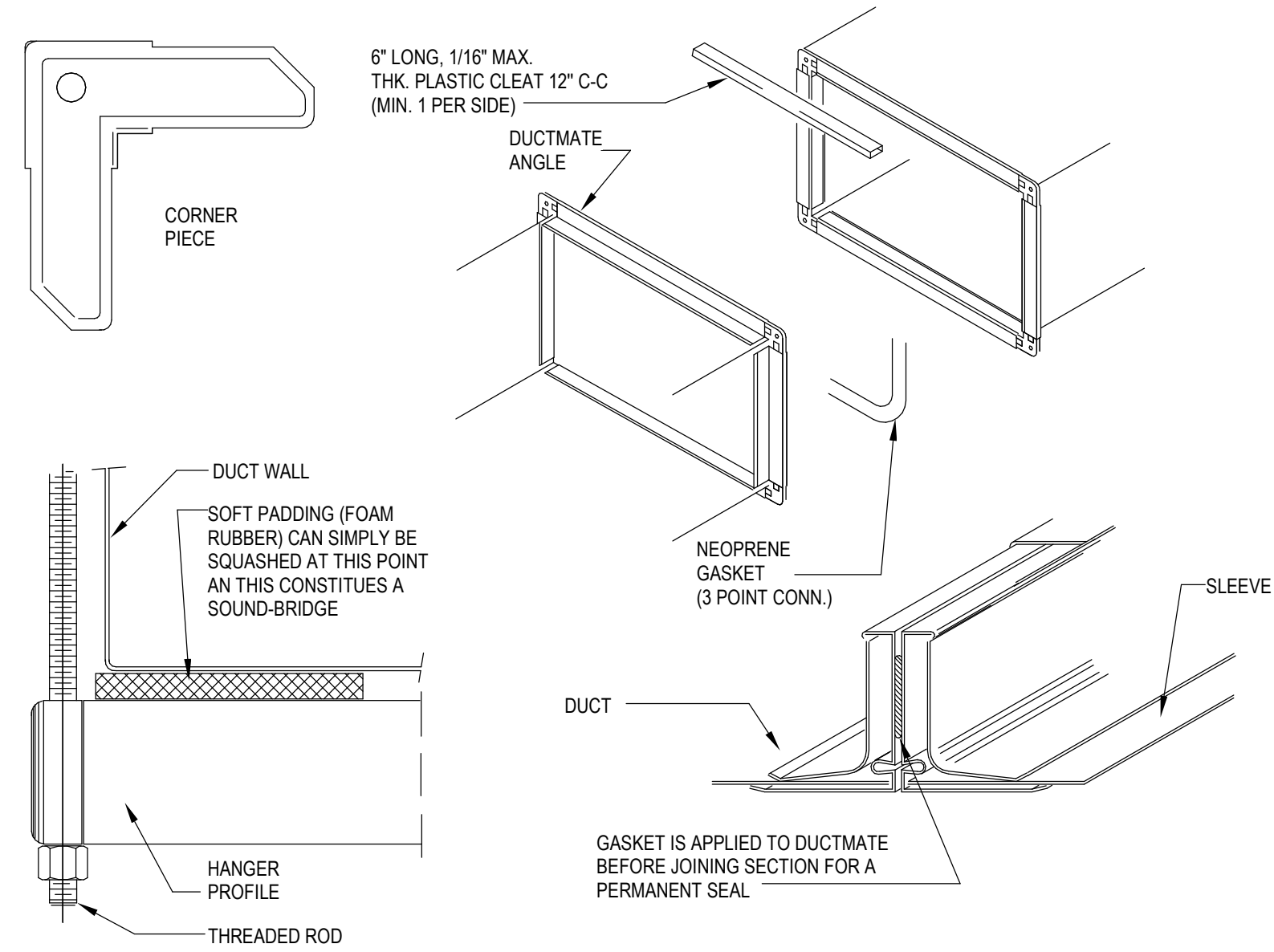
E  
D  
C  
B  
A



2	PLANNING BOARD SUBMISSION	KBN	JFP	2023.06.07
1	FOR OWNERS REVIEW	KBN	JFP	2023.04.05
0	ISSUED FOR PERMIT	KBN	JFP	2023.02.22
Issued/Revision		By	App'd	YYYY.MM.DD
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				2023.08.12
				YYYY.MM.DD

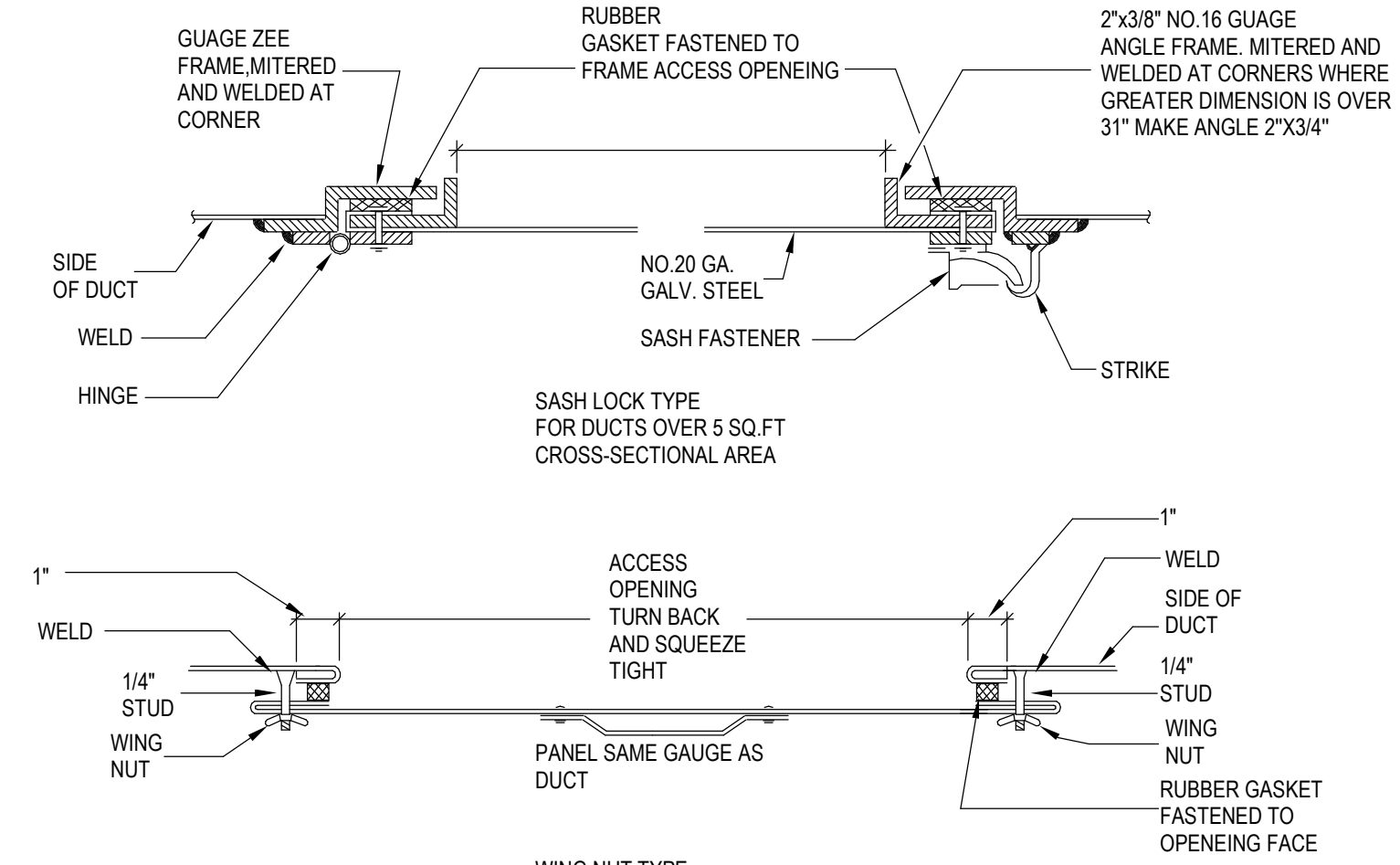


Client/Project  
Pfizer Global Research and Development  
Hamilton BiOS #2 Addition  
Pearl River, NY  
Title  
HEATING HOT WATER FLOW  
DIAGRAM



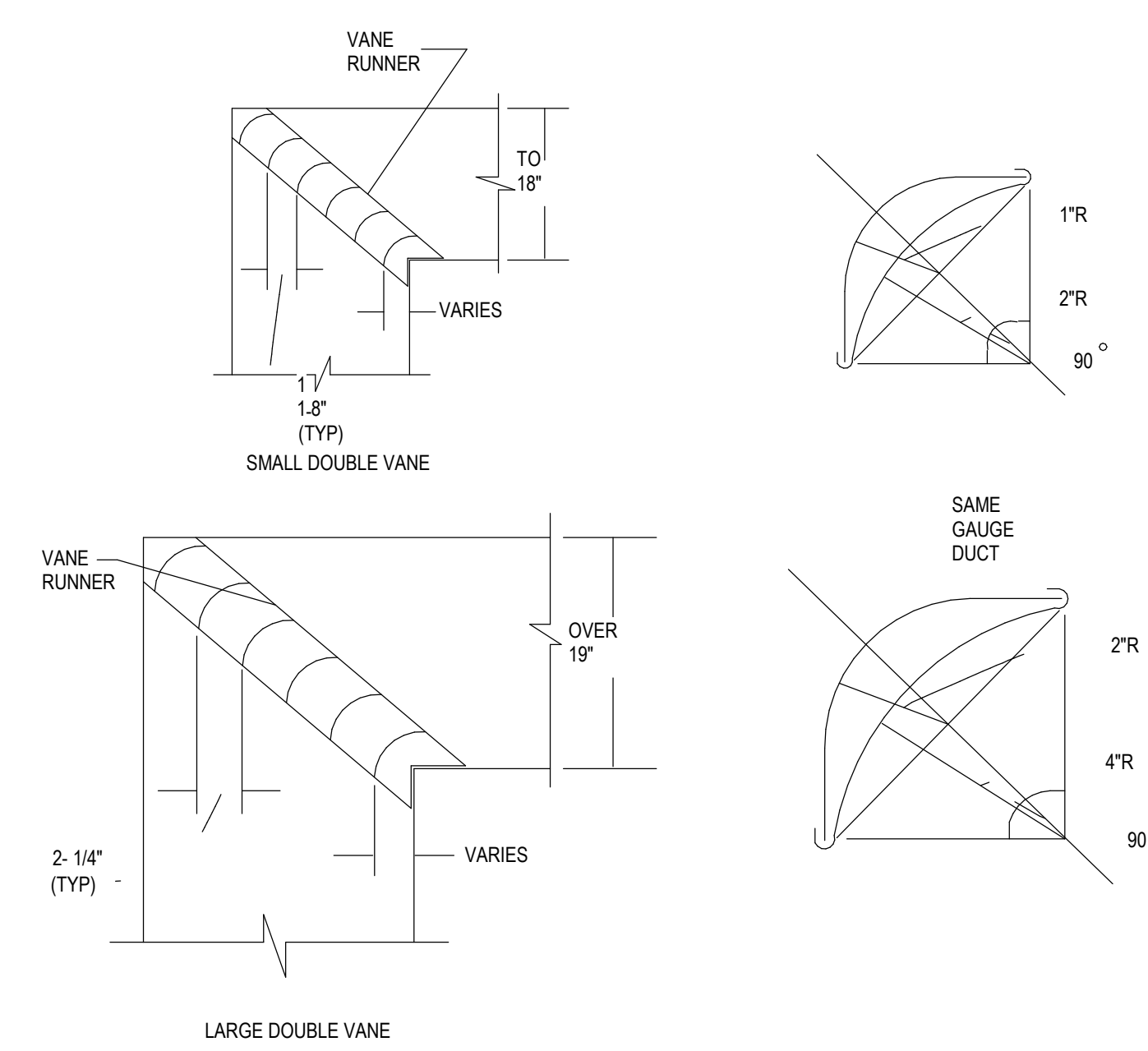
NOTES:  
1. CONTRACTOR MAY USE TDC TYPE FLANGED JOINTS PROVIDED SPECIFIED MAXIMUM LEAKAGE RATES ARE NOT EXCEEDED. NON-FLANGED TYPE SLIP AND DRIVE CONNECTIONS ARE ACCEPTABLE ONLY FOR NON-GMP AREAS.  
2. ALL GMP SYSTEMS TO HAVE DUCTMATE FLANGED JOINTS OR EQUAL. SLIP AND DRIVE JOINTS ARE NOT ACCEPTABLE ON GMP DUCT SYSTEMS.

**1 DUCTMATE INSTALLATION**  
M500 N.T.S



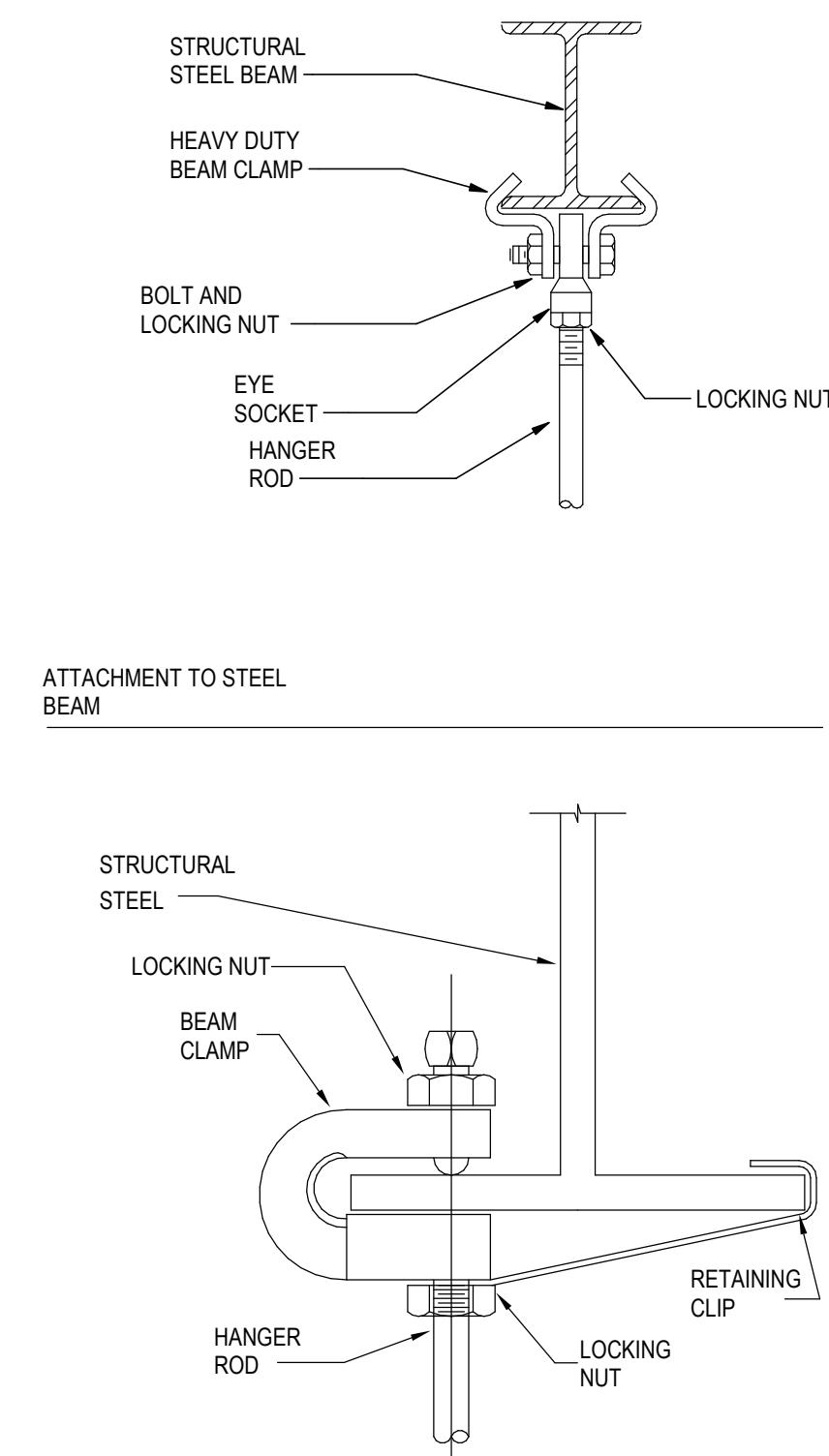
NOTE: NO RIVETS, BOLTS OR FASTENING PROJECTIONS INSIDE DUCT

**2 DUCTWORK ACCESS PANEL INSTALLATION**  
M500 N.T.S

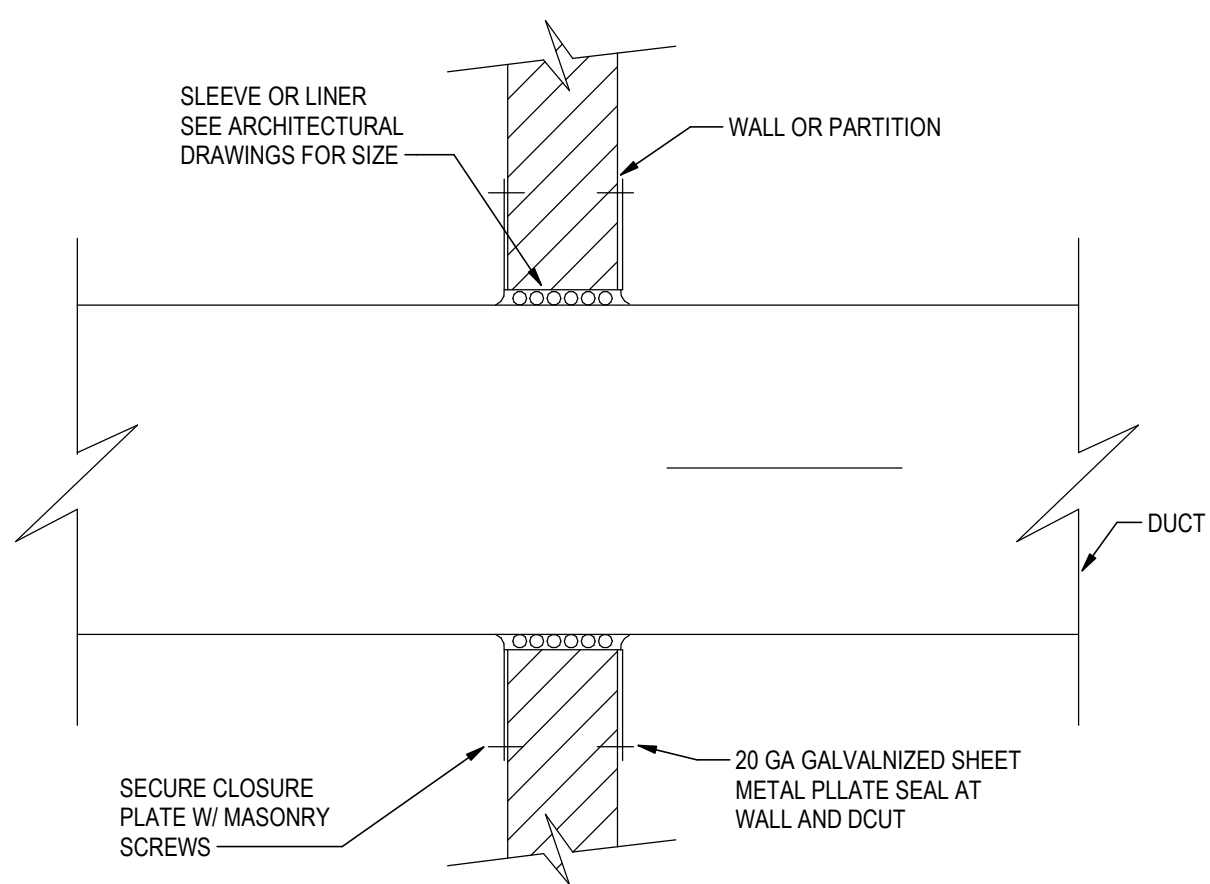


NOTES:  
1. CONTRACTOR MAY USE TDC TYPE FLANGED JOINTS PROVIDED SPECIFIED MAXIMUM LEAKAGE RATES ARE NOT EXCEEDED. NON-FLANGED TYPE SLIP AND DRIVE CONNECTIONS ARE ACCEPTABLE ONLY FOR NON-GMP AREAS.  
2. ALL GMP SYSTEMS TO HAVE DUCTMATE FLANGED JOINTS OR EQUAL.

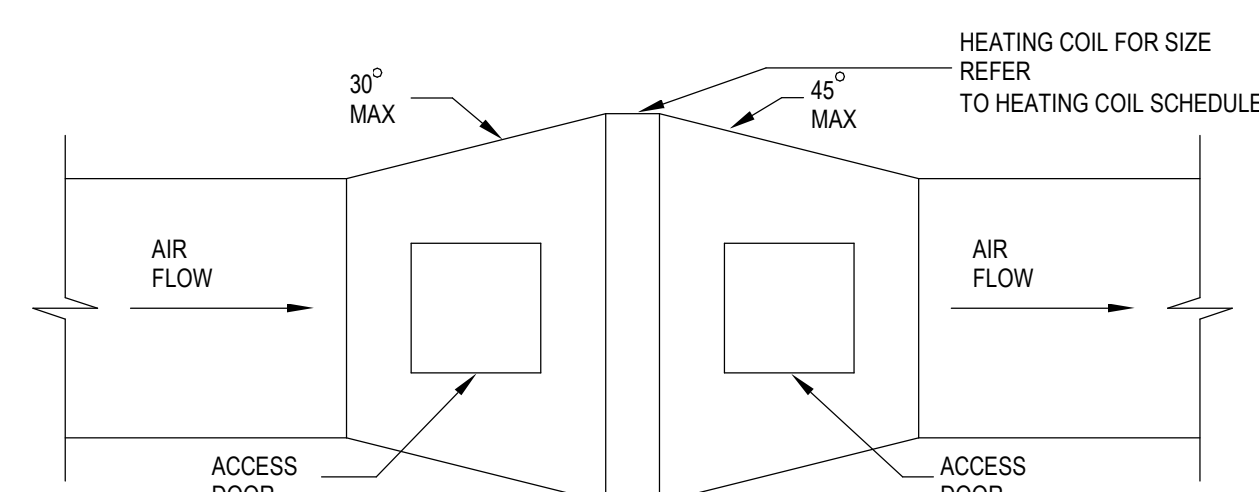
**3 DUCT-TURN INSTALLATION**  
M500 N.T.S



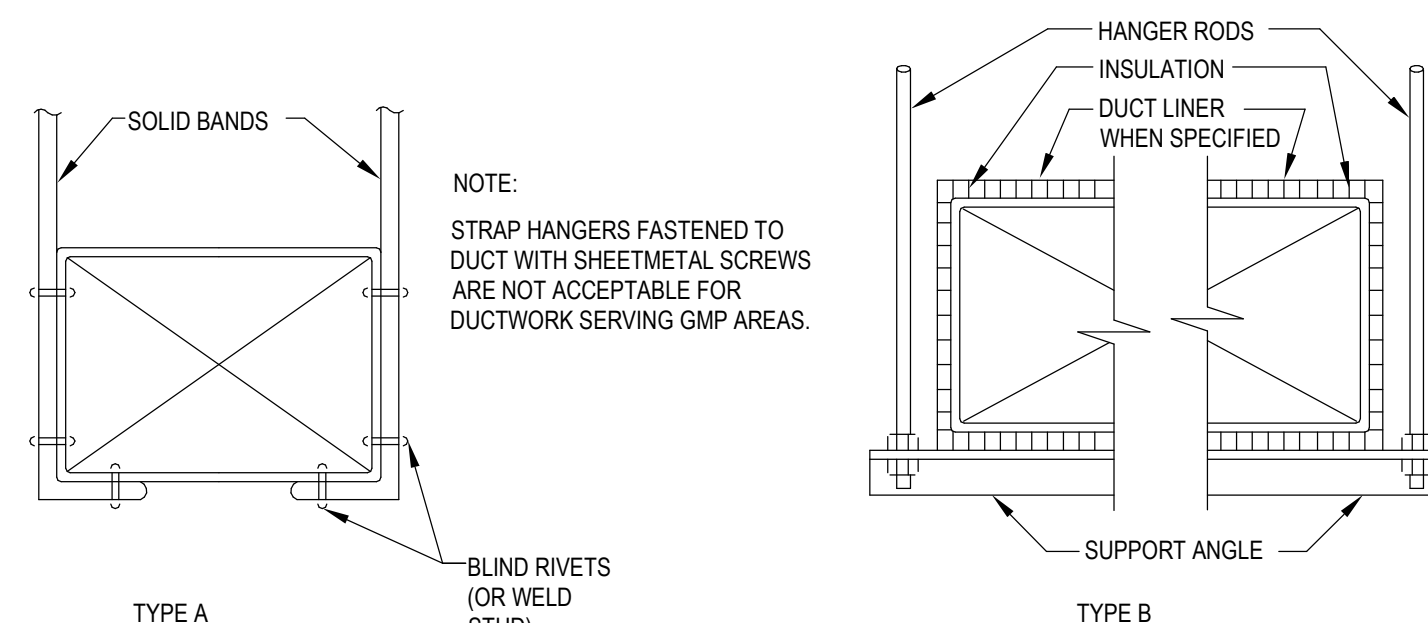
**4 TYPICAL HANGER SUPPORT DETAIL**  
M500 N.T.S



**5 DUCT PENETRATION THRU NON-RATED FIRE WALL**  
M500 N.T.S

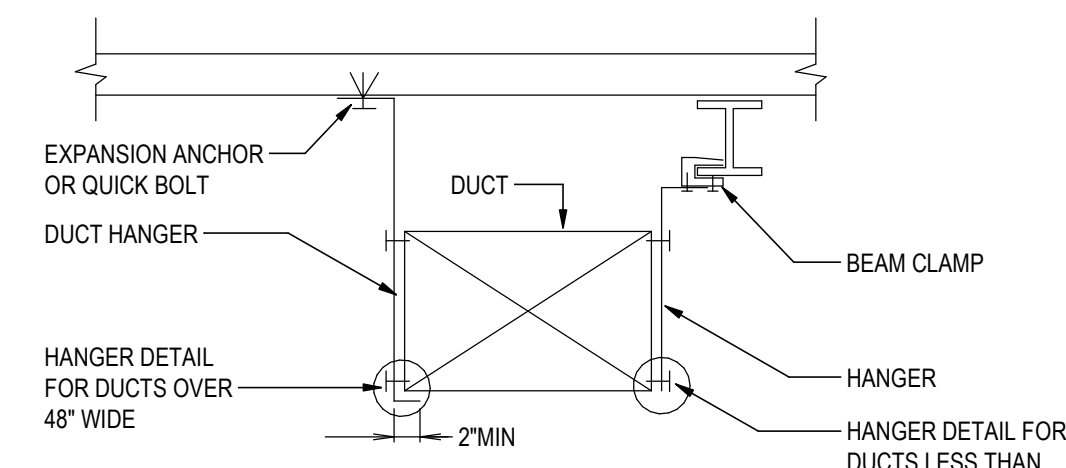


**6 TYPICAL DUCT CONNECTION AT HEATING COILS**  
M500 N.T.S

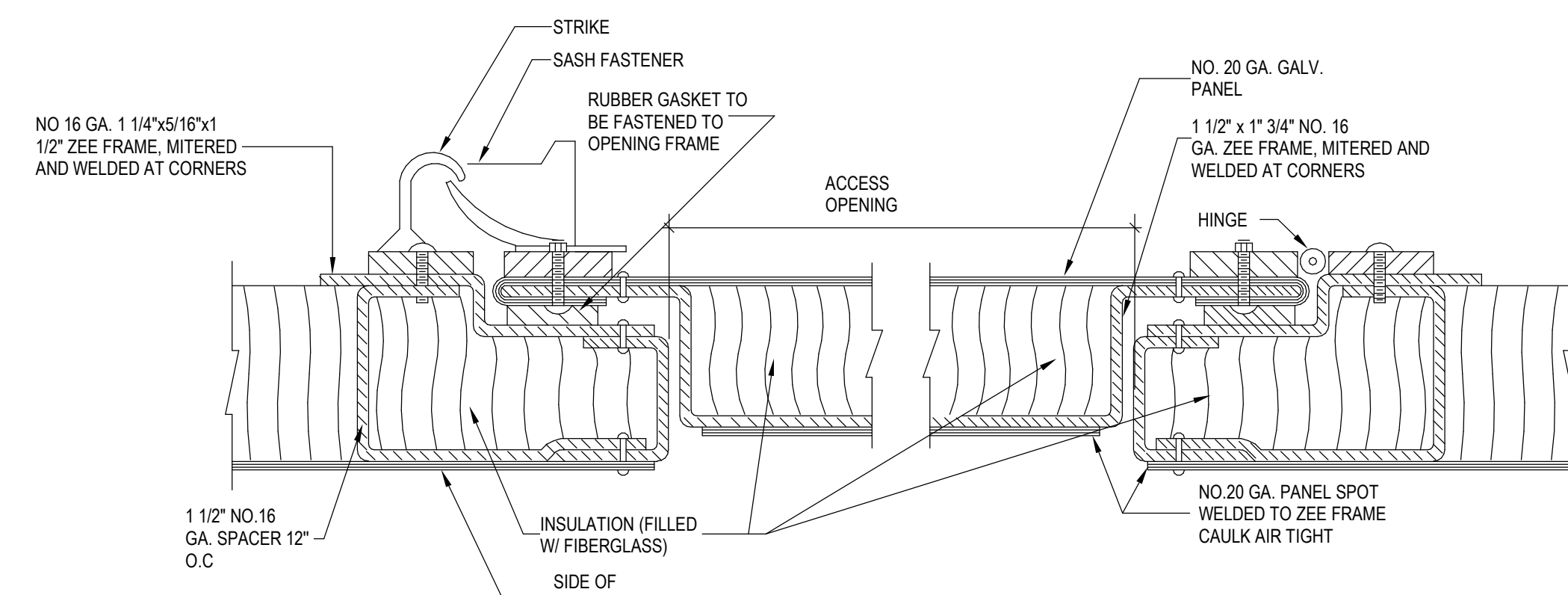


DUCT WIDTH	ROD DIAMETER	TYPE	SUPPORT ANGLE	MAX. SPACING
UP TO 24"	USE 1" x 1/8"	A	NONE	4'-0" O.C.
25" TO 36"	3/8"	B	1 1/2" x 1 1/2" x 1/8"	8'-0" O.C.
37" TO 48"	3/8"	B	2" x 2" x 1/8"	8'-0" O.C.
49" TO 60"	3/8"	B	2" x 2" x 3/16"	6'-0" O.C.
61" TO 84"	3/8"	B	2" x 2" x 1/4"	6'-0" O.C.
ABOVE	3/8"	B	SELECT FOR 1/2" MAX. DEFLECTION AT DES. LD	6'-0" O.C.

**7 DUCTWORK HANGER DETAIL**  
M500 N.T.S



**8 DUCT HANGER CONNECTION DETAIL**  
M500 N.T.S



**9 INSULATED DUCT ACCESS DETAIL**  
M500 N.T.S

File Name	Rev	App'd	Chgd	Issued/Revision
2 - PLANNING BOARD RESUBMISSION	KBN	JPF		2023.06.07
1 - FOR OWNERS REVIEW	KBN	JPF		2023.04.05
0 - ISSUED FOR PERMIT	KBN	JPF		2023.02.22
Issued/Revision		App'd		YYYY.MM.DD

File Name	Rev	App'd	Chgd	Issued/Revision
File Name: N/A	KBN	JPF		2023.03.12
	Drawn	Diagn	Chgd	YYYY.MM.DD



Client/Project Logo



Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
MECHANICAL DETAILS

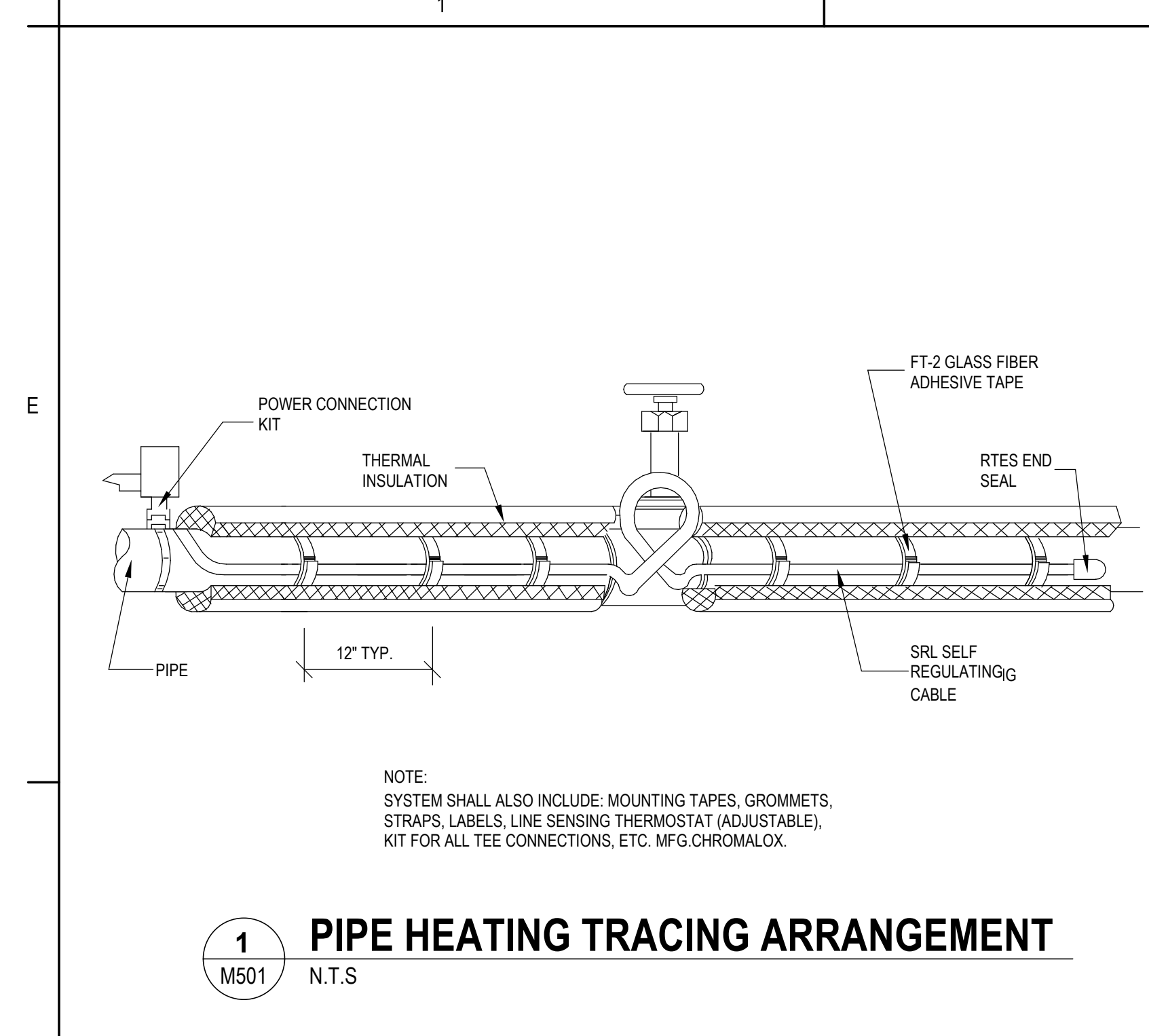
Project No.  
191501254

Scale  
N.T.S

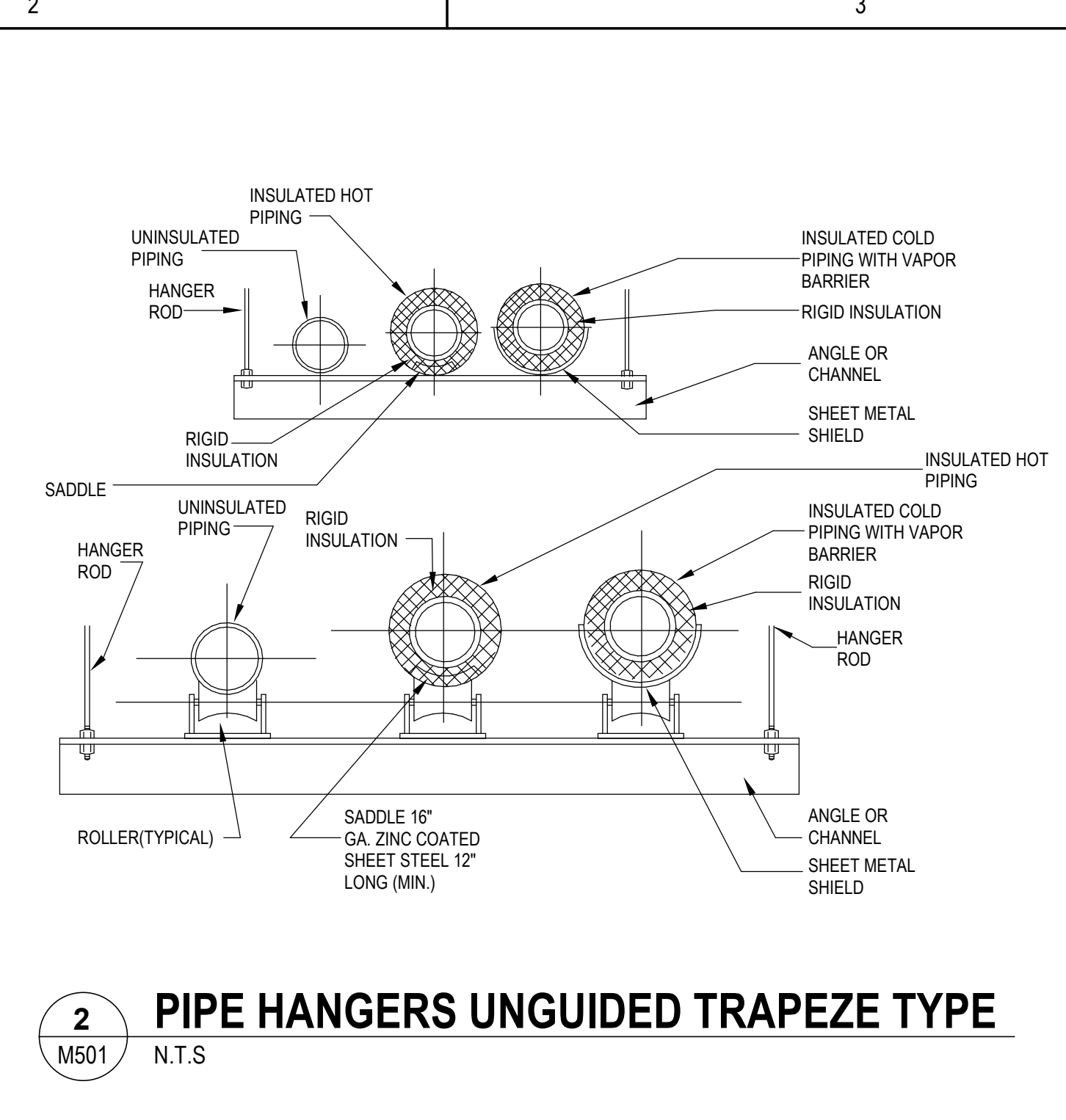
Revision

Drawing No.

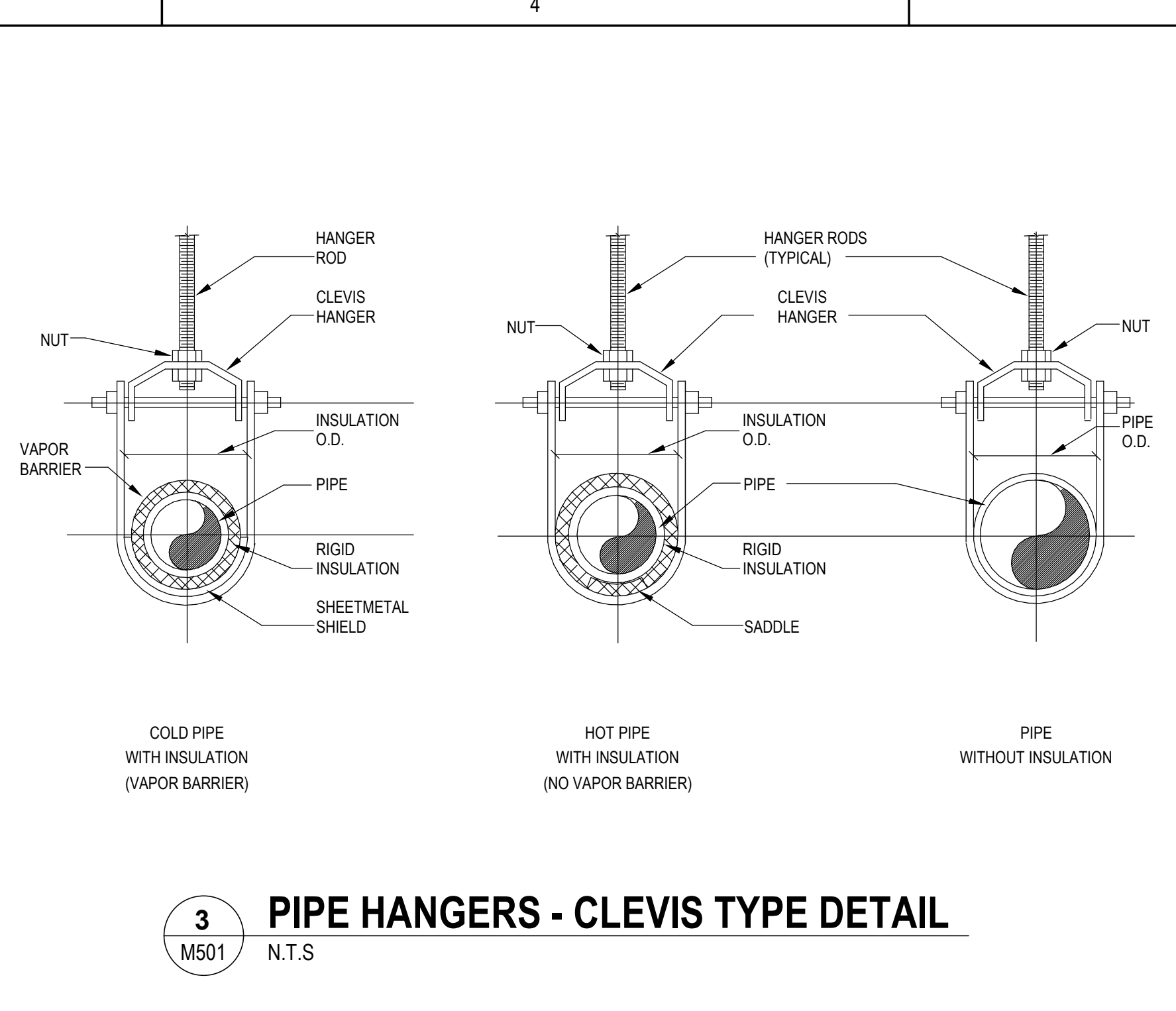
**M500**



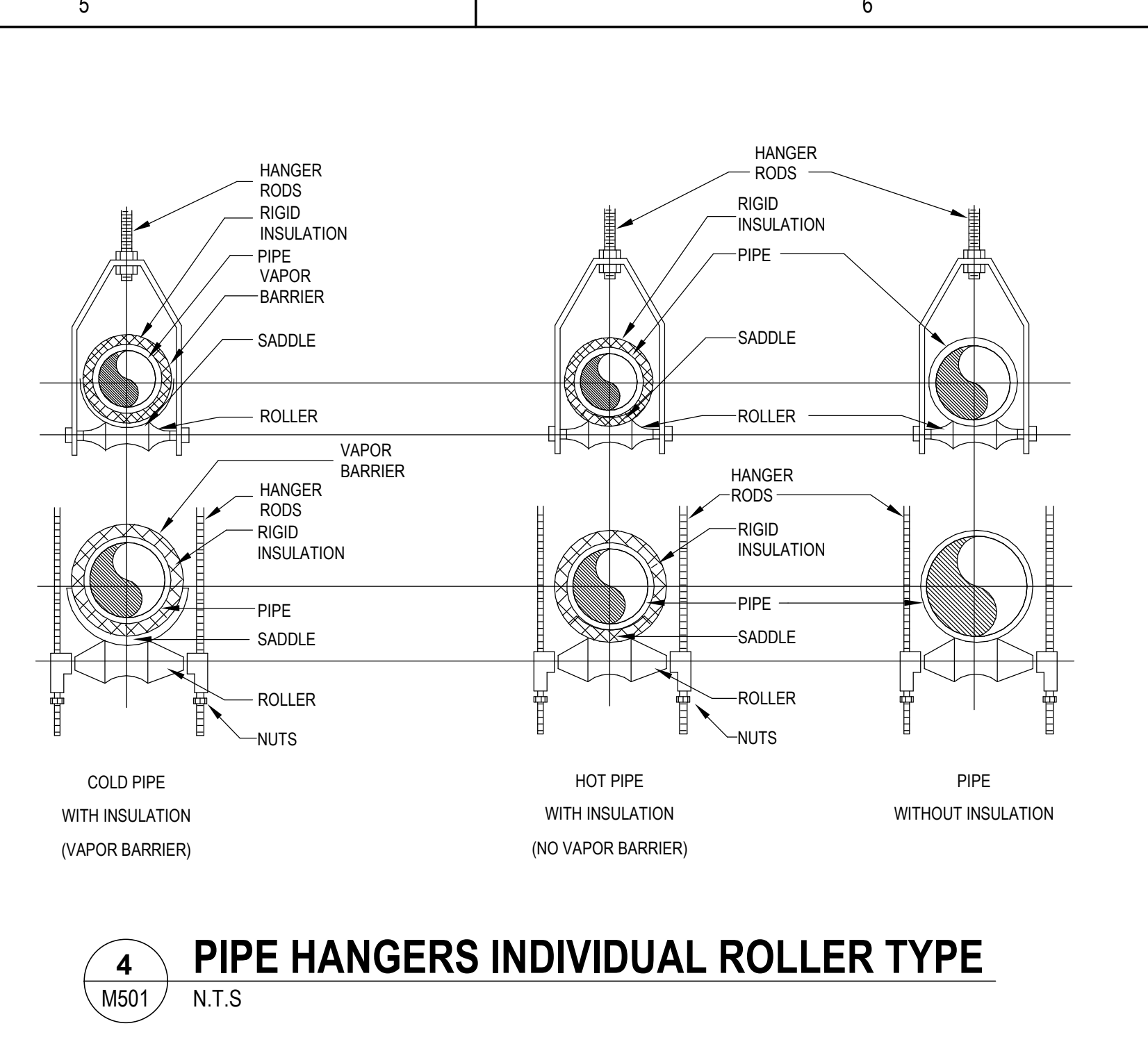
**1 PIPE HEATING TRACING ARRANGEMENT**  
M501 N.T.S



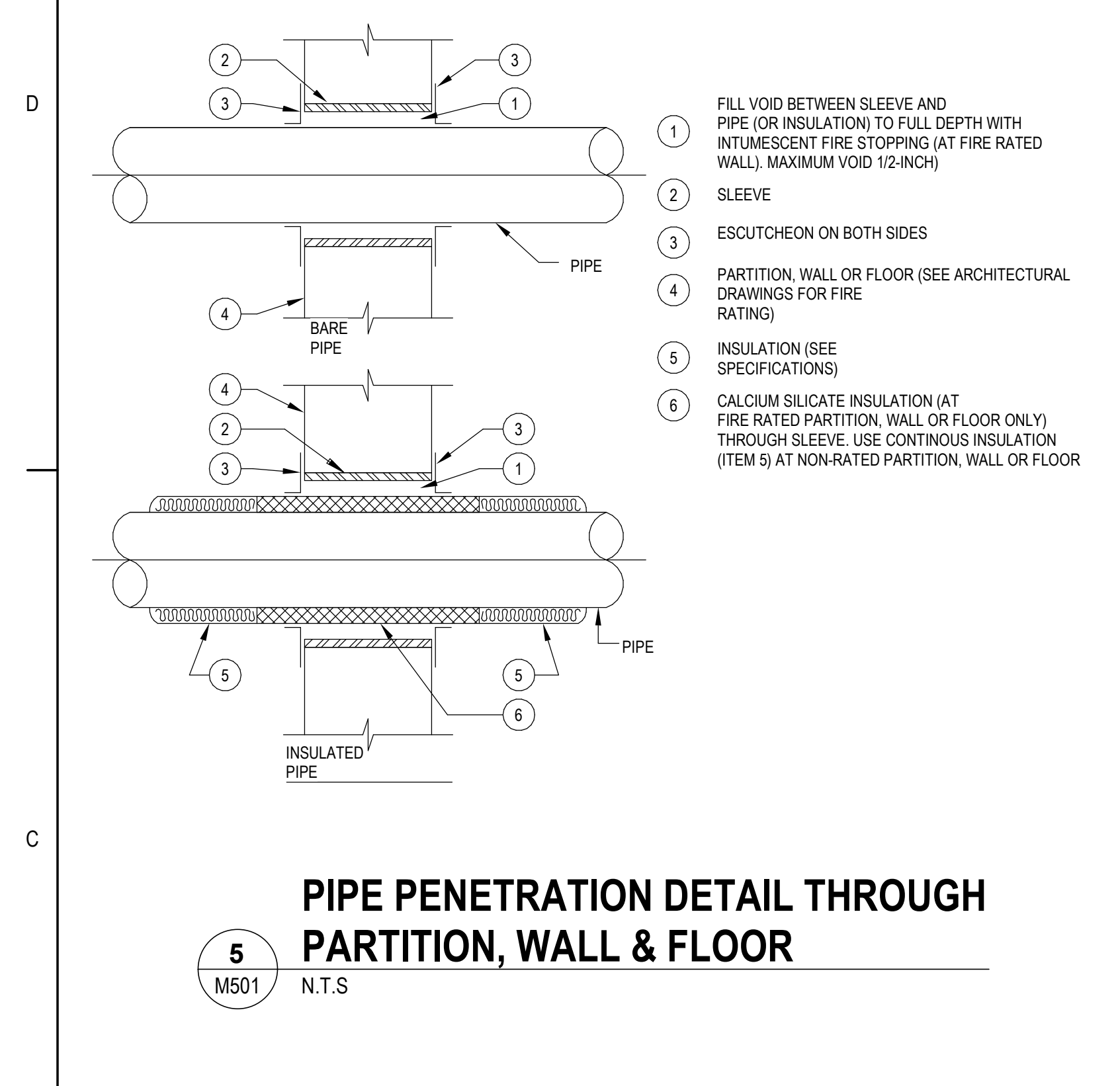
**2 PIPE HANGERS UNGUIDED TRAPEZE TYPE**  
M501 N.T.S



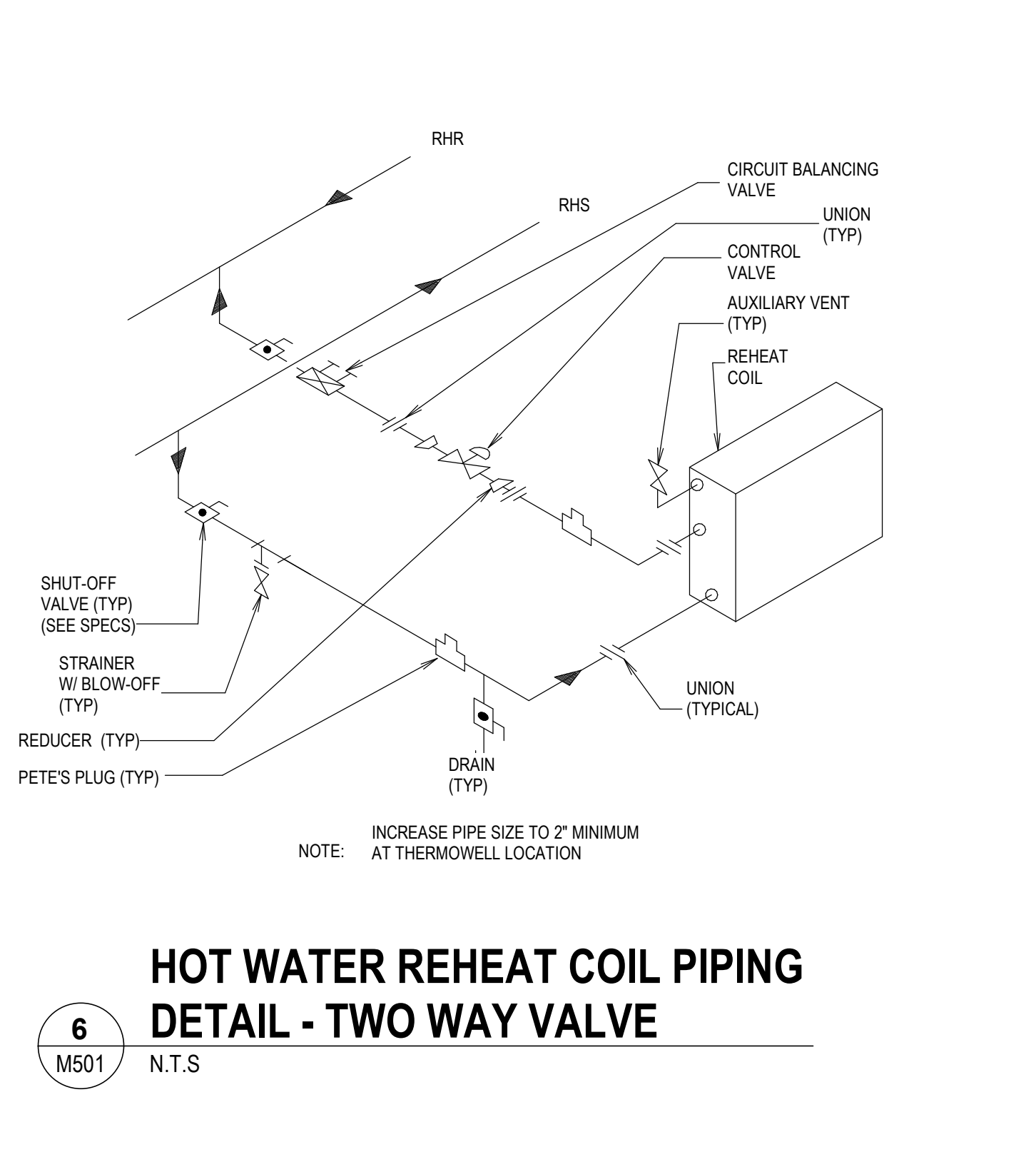
**3 PIPE HANGERS - CLEVIS TYPE DETAIL**  
M501 N.T.S



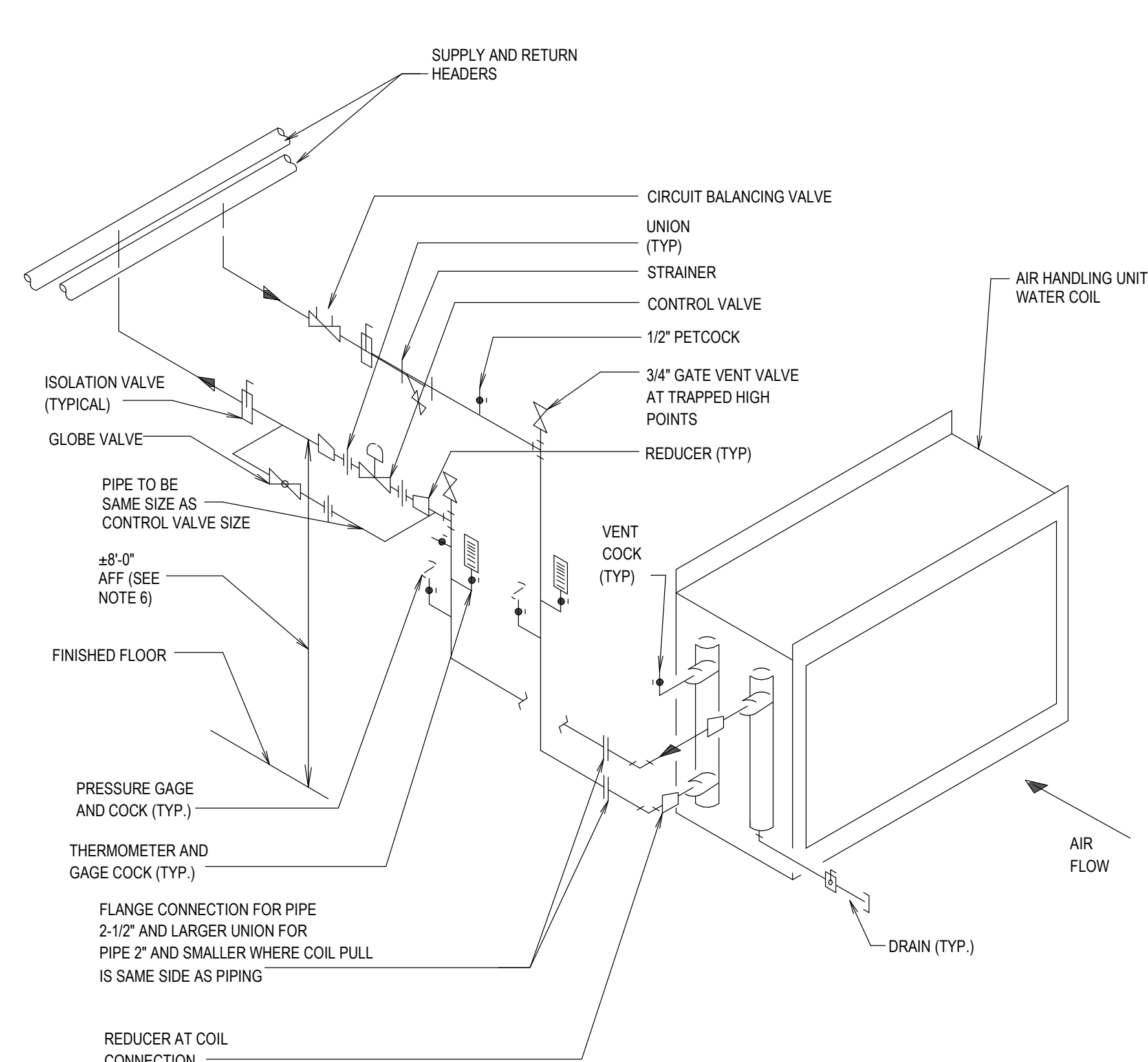
**4 PIPE HANGERS INDIVIDUAL ROLLER TYPE**  
M501 N.T.S



**5 PIPE PENETRATION DETAIL THROUGH PARTITION, WALL & FLOOR**  
M501 N.T.S



**6 HOT WATER REHEAT COIL PIPING DETAIL - TWO WAY VALVE**  
M501 N.T.S



**8 AHU WATER COIL PIPING CONNECTION DETAIL**  
M501 N.T.S

- NOTES:
1. CONNECTIONS TO COILS INLET AND OUTLET SHALL BE FULL SIZE OF COIL TAPPINGS AND SHALL BE PROVIDED WITH UNIONS OR FLANGES TO FACILITATE COIL REMOVAL.
  2. MAKE BRANCH PIPING CONNECTIONS TO COIL HEADERS TO ACHIEVE AIR-WATER COUNTERFLOW. PLUG COIL HEADER TAPPINGS THAT ARE NOT USED.
  3. DETAIL IS TYPICAL FOR AIR HANDLING UNIT CHILLED WATER, PREHEAT AND REHEAT WATER COIL CONNECTIONS.
  4. SEE FLOW DIAGRAMS FOR PIPE SIZES AND SERIES FED COIL REQUIREMENTS.
  5. SEE SPECIFICATIONS FOR ISOLATION VALVE.
  6. WHERE PIPING IS ON BACK END OF AHU WITHOUT ACCESS DOORS LOCATE PIPING TIGHT TO AHU @5'-0\"/>

2	PLANNING BOARD RESUBMISSION	KBN	JFF	2023.06.07
1	FOR OWNERS REVIEW	KBN	JFF	2023.04.05
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Drawn:		Diagn:	Chkd:	YYYY.MM.DD



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Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
MECHANICAL DETAILS

Project No.  
191501254

Scale  
N.T.S

Revision  
2

Drawing No.

**M501**



**GENERAL NOTES**

- ALL WORK SHALL BE IN ACCORDANCE WITH THE PRESIDING LOCAL AND NATIONAL CODES.
- INSTALL PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE.
- PROVIDE HANGERS, CLAMPS, ANCHORS AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING.
- INSTALL PIPING IN A NEAT ORGANIZED LAYOUT COORDINATING WITH OTHER TRADES.
- MODIFICATIONS OR ALTERATIONS TO EXISTING SYSTEMS SHALL BE ACCOMPLISHED SO AS TO NOT DISTURB ADJACENT AREAS.
- COORDINATE WITH OWNER & CONSTRUCTION MANAGER (CM) FOR ACCESS AND SHUTDOWNS TO AREAS WHICH ARE OCCUPIED.
- MODIFICATIONS OR ALTERATIONS TO EXISTING SYSTEMS, WALLS OR FLOORS ARE TO BE REPAIRED TO 'AS NEW' CONDITION. PENETRATIONS THROUGH EXISTING WALLS SHALL BE SEALED AND MADE FIRE SAFE TO MATCH WALL OR FLOOR FIRE RATINGS.
- NEITHER ACCURACY OR COMPLETENESS OF EXISTING CONDITIONS SHOWN ARE GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING UTILITIES IN FIELD. IF DISCREPANCIES DEVELOP BETWEEN DRAWINGS AND FIELD CONDITIONS, NOTIFY CM PRIOR TO STARTING WORK.
- CONTRACTOR SHALL COORDINATE WORK WITH THE WORK OF OTHER TRADES PRIOR TO THE START OF INSTALLATION OF SYSTEMS.
- IF CONTRACTOR IS IN THE PROCESS OF INSTALLING NEW WORK AND CONFLICTS WITH EXISTING CONDITIONS OR OTHER TRADES ARISE, NOTIFY CM AND DETERMINE REVISED COURSE OF ACTION BEFORE CONTINUING WORK IN THAT AREA.

**MISCELLANEOUS SYMBOLS**

	LINE CONTINUED ON ANOTHER DWG.
	LINE CONTINUED FROM ANOTHER DWG.
	LINE SLOPE DIRECTION
	AREA BREAK
	FLAME ARRESTOR
	DRAIN HUB: P = PROCESS UFD = UTILITY FLOOR DRAIN
	STERILE TUBING WELD
	POINT OF CONNECT, NEW TO EXISTING
	POINT OF DISCONNECT, DEMO TO EXISTING
	KEYED NOTE
	FILTER
	LIGHT

**PIPING & VALVE SYMBOLS**

	CHANGE OF PIPING SPEC.
	FLANGED CONNECTION WITH BLIND FLANGE
	CLAMP-TYPE SANITARY FITTING
	SCREWED OR SOCKET WELDED PIE CAP
	HOSE COUPLING
	HOSE COUPLING - SINGLE END SHUT OFF QUICK DISCONNECT
	HOSE COUPLING - DOUBLE END SHUT OFF QUICK DISCONNECT
	LINE CONTINUATION
	HOSE BARB
	BUTT WELD CAP
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	STEAM TRAP
	PIPE UNION
	THREADED CONNECTION
	"Y" STRAINER
	PRESSURE GAUGE
	DIAPHRAGM VALVE
	GATE VALVE
	GLOBE VALVE
	BALL VALVE
	BALANCE VALVE
	CHECK VALVE
	BACK FLOW PREVENTER
	ANGLE VALVE
	RUPTURE DISK
	AUTOMATIC ON/OFF VALVE - PISTON OPERATED FO = FAIL OPEN FL = FAIL LAST (BLANK) = FAIL CLOSED
	CONTROL VALVE - SPRING/DIAPHRAGM OPERATED
	BACK PRESSURE REGULATOR (SELF-CONTAINED)
	PRESSURE REDUCING VALVE (SELF CONTAINED)
	PRESSURE RELIEF VALVE

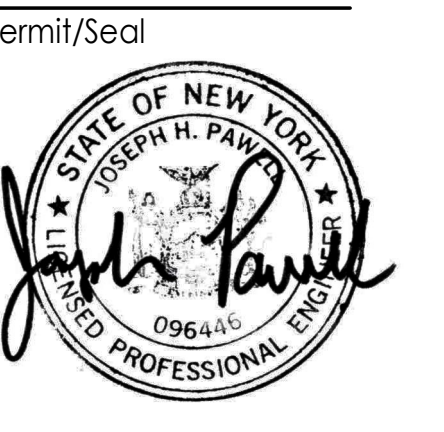
**ABBREVIATIONS**

AAV	AIR ADMITTANCE VALVE
A.F.F.	ABOVE FINISHED FLOOR
CF	CARBON FILTER
CO	CLEAN OUT
DFU	DRAINAGE FIXTURE UNIT
VTR	VENT THROUGH ROOF
EW	EYEWASH WATER
EWSS	EMERGENCY WASH STATION
FCO	FLOOR CLEAN OUT
FC	FAUCET
FD	FLOOR DRAIN
FWR	FIRE WATER RETENTION
HB	HOSE BIB
HD	HUB DRAIN
LAV	LAVATORY
LN2	LIQUID NITROGEN
LS	LABORATORY SINK
LW	LABORATORY WASTE
LWV	LABORATORY WASTE VENT
MB	MIXED BED
MSB	MOP SINK BASIN
PCW	PROTECTED COLD WATER
PD	PROCESS DRAIN
PDV	PROCESS DRAIN VENT
PF	POST FILTER
PHW	PROTECTED HOT WATER
PHWR	PROTECTED HOT WATER RETURN
PSAN	PUMPED SANITARY
RD	ROOF DRAIN
S	SINK
SAN	SANITARY
UR	URINAL
V	VENT
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	ELECTRIC WATER HEATER
WCO	WALL CLEANOUT
WFSU	WATER FIXTURE SUPPLY UNIT

\* NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS ARE USED.


0	PLANNING BOARD RESUBMISSION	JFB	JFB	2023.06.07
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: N/A	Author: DVM	Designer: DVM	Checker: DVM	2023.06.12
	Dwn	Dgn	Chk	YYYY.MM.DD



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Client/Project  
Pfizer Global Research and Development

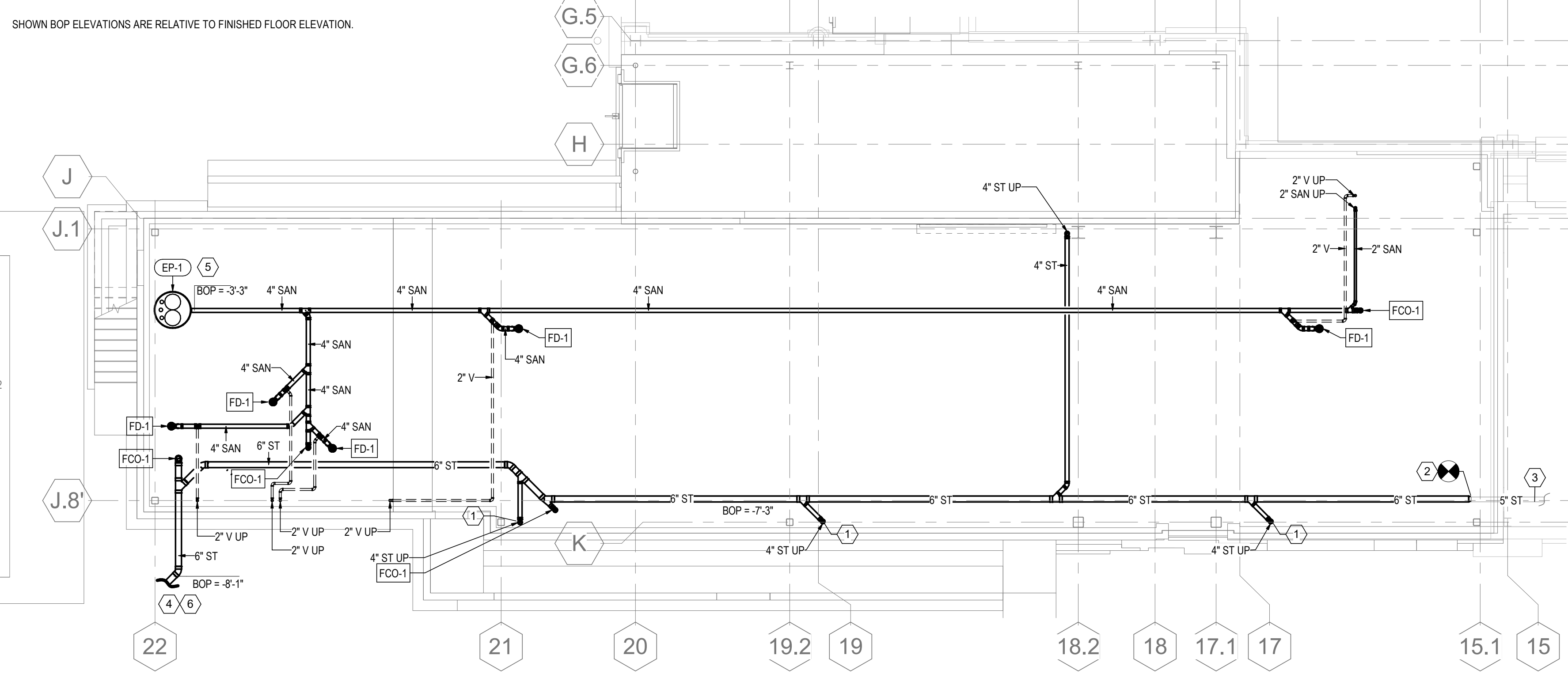
Hamilton BiOS #2 Addition

Pearl River, NY

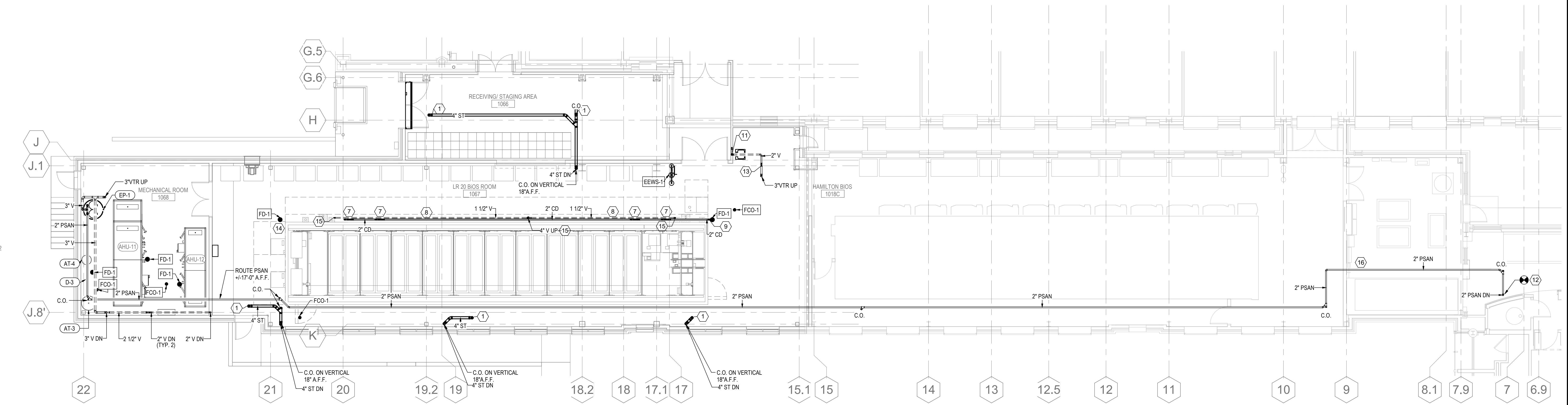
Title  
PLUMBING NOTES, SYMBOLS, AND ABBREVIATIONS

Project No.	Scale
191501254	N.T.S.
Revision	Drawing No.
0	<b>P000</b>

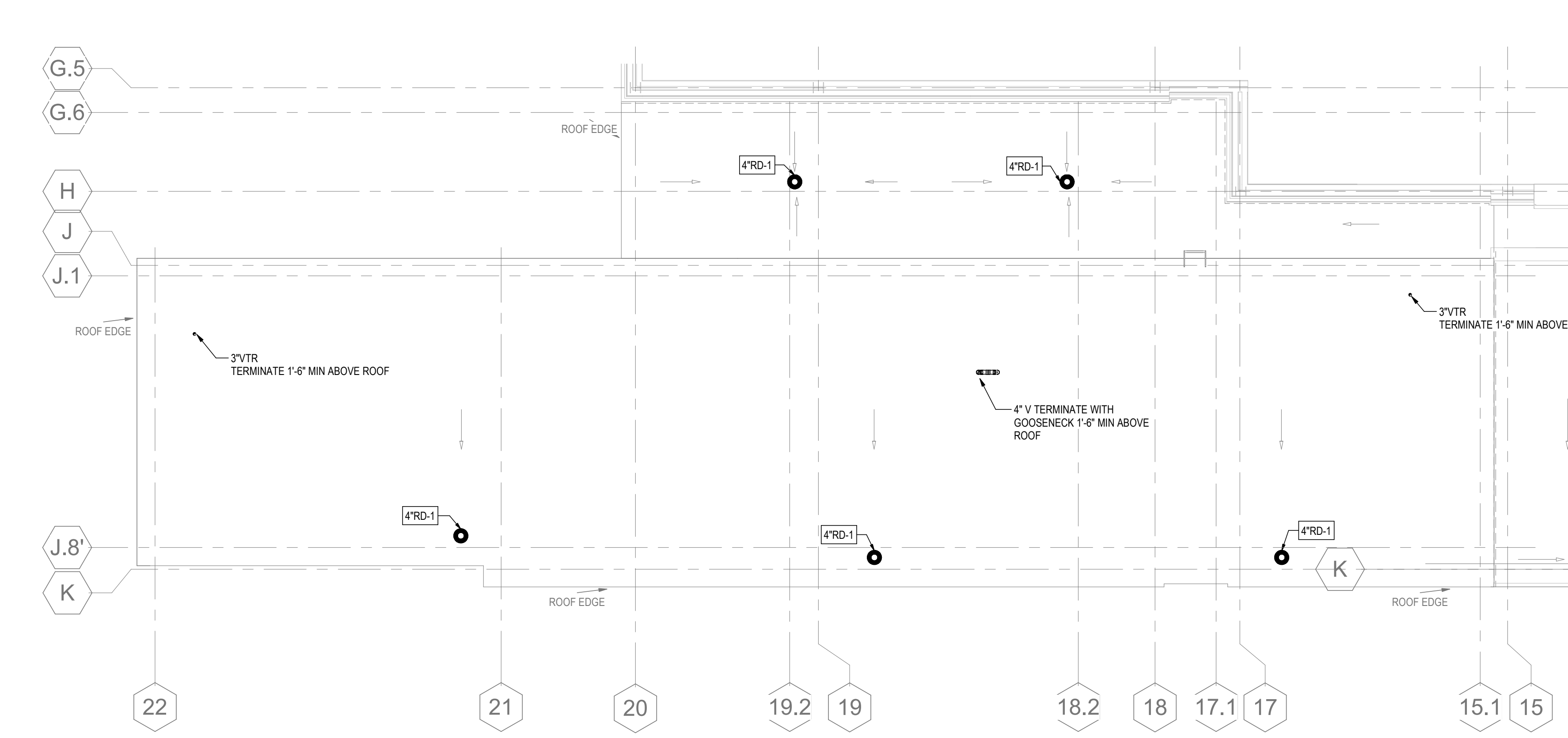
- ### KEYED INSTALLATION NOTES
- 4" ST DOWN FROM ROOF DRAIN RD-1.
  - CONNECT NEW 5" ST MAIN FROM EXISTING 5" ST MAIN BELOW NEW BIOS BUILDING ADDITION IN LOCATION SHOWN. TRANSITION TO 6" ST TO PICK UP NEW BIOS ADDITION STORM LEADERS. CONFIRM EXACT INVERT OF EXISTING PIPE IN FIELD DURING EXCAVATION.
  - EXISTING 5" STORM FROM EXISTING BIOS BUILDING. APPROXIMATELY 4,015 SQ. FT. (125.1 GPM).
  - NEW 6" ST TO SITE. APPROX. 10,505 SQ. FT. (327.4 GPM)
  - PROVIDE NEW DUPLEX EJECTOR PUMPS, EP-1, IN 4'-0" DIAMETER, 6'-0" DEEP BASIN.
  - REFER TO CIVIL DRAWING CU-101 FOR CONTINUATION OF PIPING.
  - 1-1/2" CONDENSATE RECEPTOR FROM BIOS FREEZER.
  - 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.
  - 2" DRAIN SPILL TO FLOOR DRAIN FD-1 WITH AIR GAP.
  - REMOVE EXISTING TRENCH DRAIN IN THIS LOCATION, OR PIPE TO NEW STORM SYSTEM.
  - 2" DRAIN DOWN FROM SINK AND 1-1/2" VENT FROM SINK CONNECTING TO 2" V UP THROUGH WALL.
  - CONNECT TO 3" PSAN TO EXISTING 4" SAN BELOW SLAB. VERIFY EXACT LOCATION IN FIELD. BACKFILL AND PATCH SLAB TO MATCH EXISTING.
  - 2" V TRANSITIONING TO 3" V AT A MINIMUM OF 12" BELOW BOTTOM OF ROOF DECK.
  - PROVIDE FLOOR DRAIN FOR INDIRECT DISCHARGE OF CONDENSATE DRAINAGE FROM NEARBY BIOS CONDENSERS.
  - 1" VENT FROM BIOS UNIT UP TO 1-1/2" VENT HEADER, OUT TO 4" VENT THROUGH ROOF. CROSS CONNECT WITH LNE LINE WITH CRYOVENT.
  - ROUTE PUMPED SANITARY LINE THROUGH EXISTING MECHANICAL ROOM. COORDINATE PIPE ROUTING TO ENSURE THAT PIPE DOES NOT RUN ABOVE ELECTRICAL PANELS.



**1 PLUMBING UNDERSLAB STORM AND SANITARY PLAN**  
P100 1/8" = 1'-0"



**2 PLUMBING STORM AND SANITARY FIRST FLOOR PLAN**  
P100 1/8" = 1'-0"



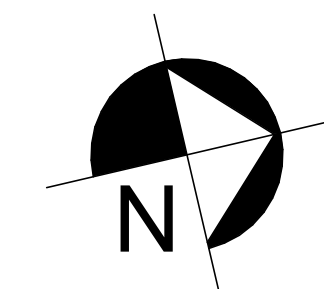
**3 PLUMBING ROOF PLAN**  
P100 1/8" = 1'-0"

2	PLANNING BOARD RESUBMISSION	KBN	JFF	2023.06.07
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		Drawn	Design	Checked
				2023.03.12
				YYYYMMDD



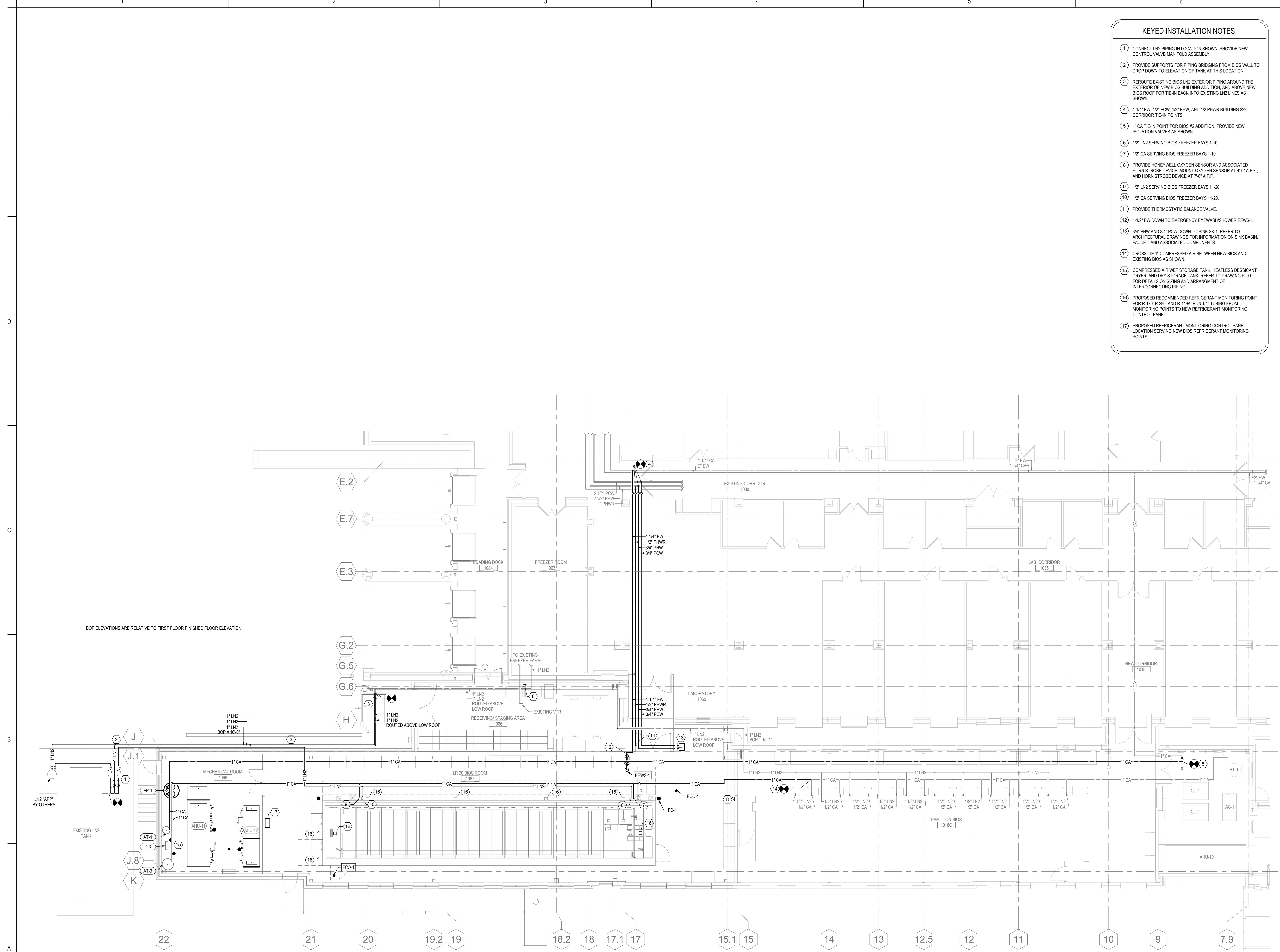
Client/Project  
Pfizer Global Research and Development  
  
Hamilton BiOS #2 Addition  
  
Pearl River, NY  
  
Title  
PLUMBING STORM AND SANITARY PLANS

Project No. 191501254 Scale As indicated  
Revision Drawing No. **P100**



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ORIGINAL SHEET - ARCHIT

- KEYED INSTALLATION NOTES**
- CONNECT LN2 PIPING IN LOCATION SHOWN. PROVIDE NEW CONTROL VALVE MANFOLD ASSEMBLY.
  - PROVIDE SUPPORTS FOR PIPING BRIDGING FROM BIOS WALL TO DROP DOWN TO ELEVATION OF TANK AT THIS LOCATION.
  - REROUTE EXISTING BIOS LN2 EXTERIOR PIPING AROUND THE EXTERIOR OF NEW BIOS BUILDING ADDITION, AND ABOVE NEW BIOS ROOF FOR TIE-IN BACK INTO EXISTING LN2 LINES AS SHOWN.
  - 1-1/4" EW, 1/2" POW, 1/2" PHW, AND 1/2" PHWR BUILDING 222 CORRIDOR TIE-IN POINTS.
  - 1" CA TIE-IN POINT FOR BIOS #2 ADDITION. PROVIDE NEW ISOLATION VALVES AS SHOWN.
  - 1/2" LN2 SERVING BIOS FREEZER BAYS 1-10.
  - 1/2" CA SERVING BIOS FREEZER BAYS 1-10.
  - PROVIDE HONEYWELL OXYGEN SENSOR AND ASSOCIATED HORN STROBE DEVICE. MOUNT OXYGEN SENSOR AT 4'-6" A.F.F., AND HORN STROBE DEVICE AT 7'-6" A.F.F.
  - 1/2" LN2 SERVING BIOS FREEZER BAYS 11-20.
  - 1/2" CA SERVING BIOS FREEZER BAYS 11-20.
  - PROVIDE THERMOSTATIC BALANCE VALVE.
  - 1-1/2" EW DOWN TO EMERGENCY EYEWASH/SHOWER EEWS-1.
  - 3/4" PHW AND 3/4" POW DOWN TO SINK SK-1. REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION ON SINK BASIN, FAUCET, AND ASSOCIATED COMPONENTS.
  - CROSS TIE 1" COMPRESSED AIR BETWEEN NEW BIOS AND EXISTING BIOS AS SHOWN.
  - COMPRESSED AIR WET STORAGE TANK, HEATLESS DESSICANT DRYER, AND DRY STORAGE TANK. REFER TO DRAWING P200 FOR DETAILS ON SIZING AND ARRANGEMENT OF INTERCONNECTING PIPING.
  - PROPOSED RECOMMENDED REFRIGERANT MONITORING POINT FOR R-170, R-290, AND R-449A. RUN 1/4" TUBING FROM MONITORING POINTS TO NEW REFRIGERANT MONITORING CONTROL PANEL.
  - PROPOSED REFRIGERANT MONITORING CONTROL PANEL LOCATION SERVING NEW BIOS REFRIGERANT MONITORING POINTS.



BOP ELEVATIONS ARE RELATIVE TO FIRST FLOOR FINISHED FLOOR ELEVATION.

Issued/Revision	By	App'd	YYYYMMDD	
2	PLANNING BOARD RESUBMISSION	KBN	JFF	2023.06.07
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				YYYYMMDD

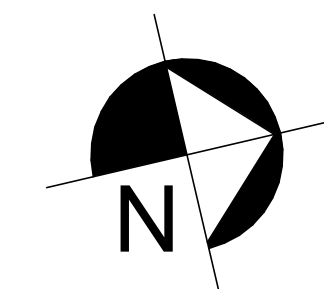
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Client/Project  
Pfizer Global Research and Development  
Hamilton BiOS #2 Addition  
Pearl River, NY  
Title  
PLUMBING FIRST FLOOR DOMESTIC AND PROCESS GAS PLAN

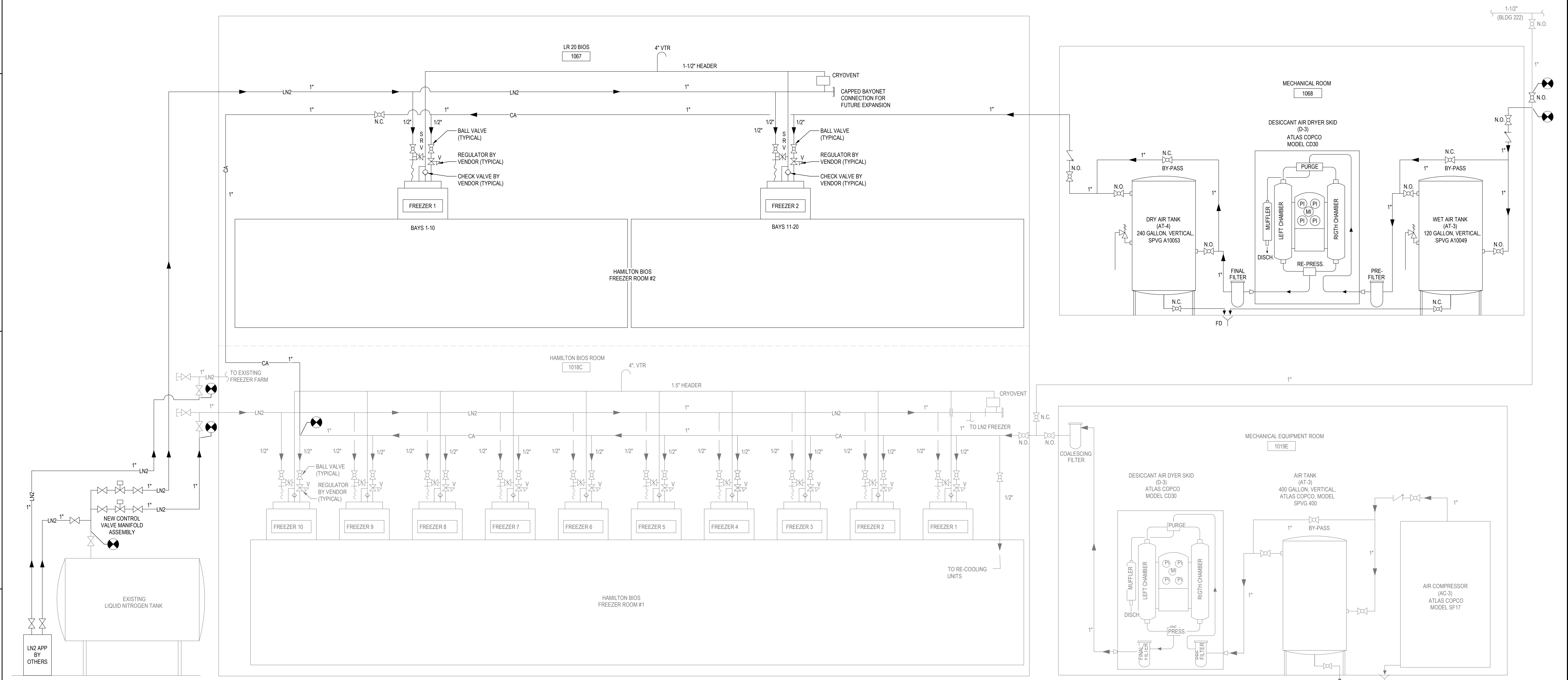
Revision	Drawing No.	Scale
2	P101	As indicated

**1 PLUMBING DOMESTIC AND PROCESS GAS FIRST FLOOR PLAN**  
P101 1/8" = 1'-0"





Notes



2	PLANNING BOARD SUBMISSION	KBN	JPP	2023.06.07
1	FOR OWNERS REVIEW	KBN	JPP	2023.06.05
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File Name:	N/A	KBN	JPP	2023.06.12
Drawn:		Diagn.	Chgd.	YYYY.MM.DD

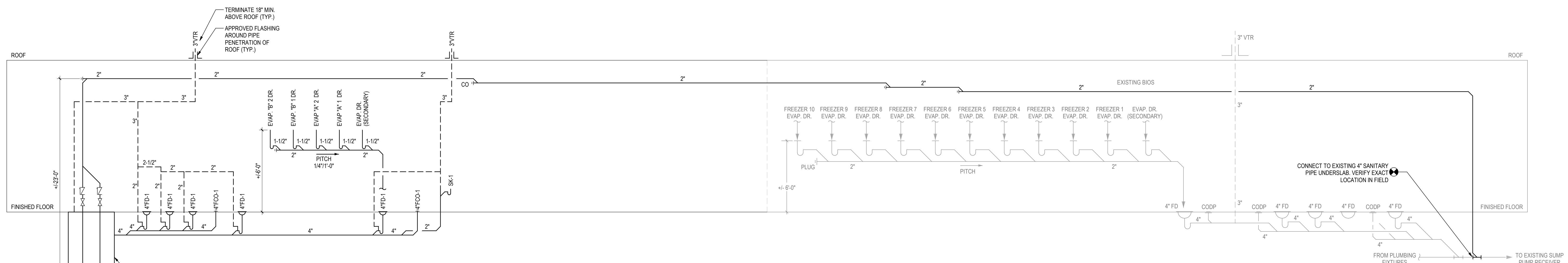


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Pfizer Global Research and Development

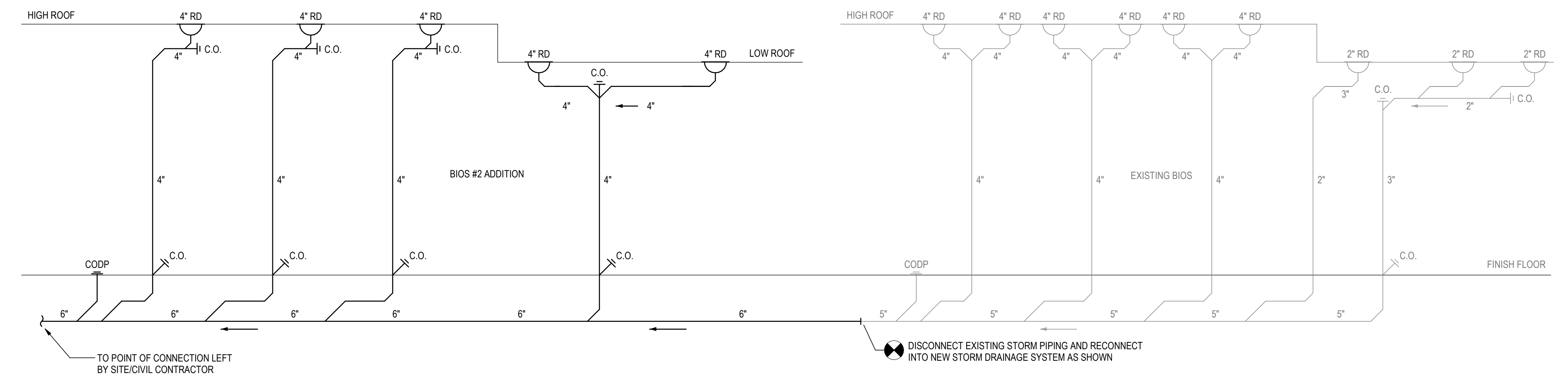
Hamilton BiOS #2 Addition

Pearl River, NY

Title  
COMPRESSED AIR AND LIQUID NITROGEN FLOW DIAGRAM

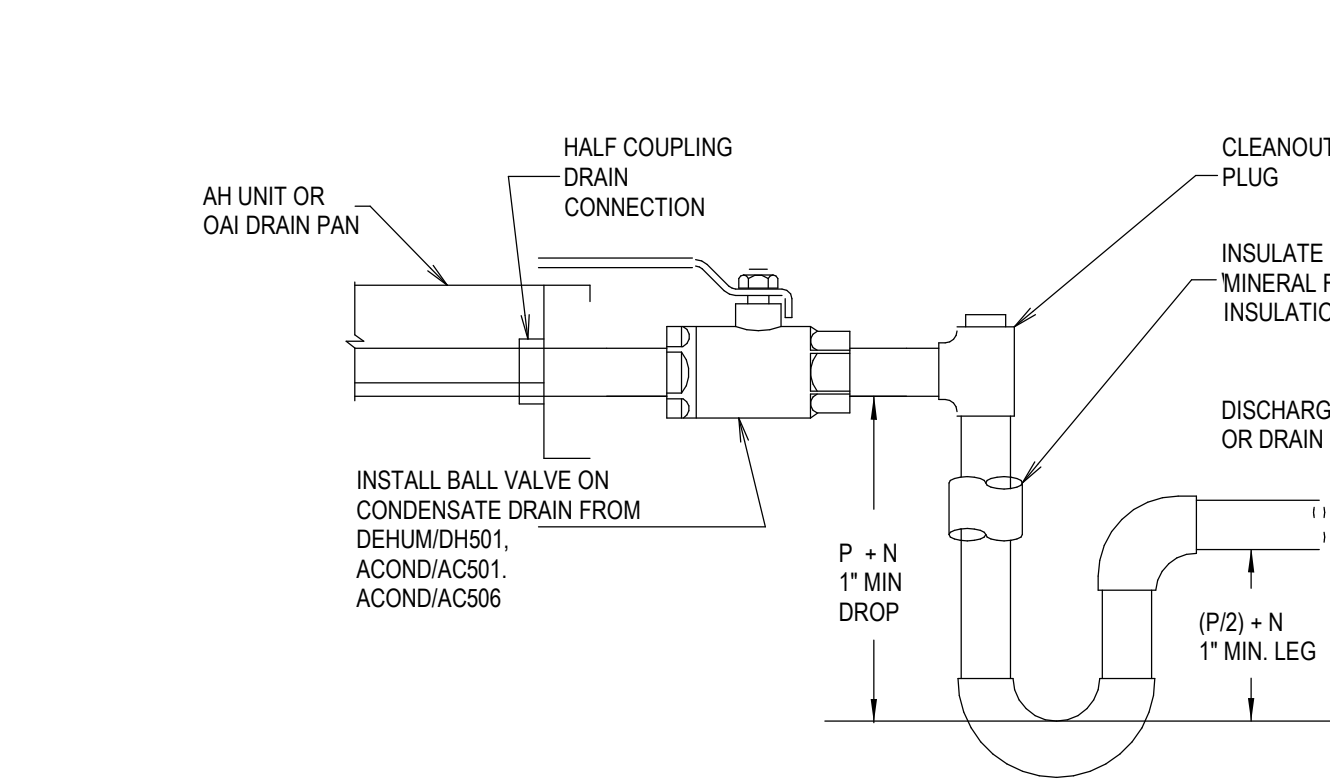


**1 SANITARY RISER DIAGRAM**  
P500 N.T.S.

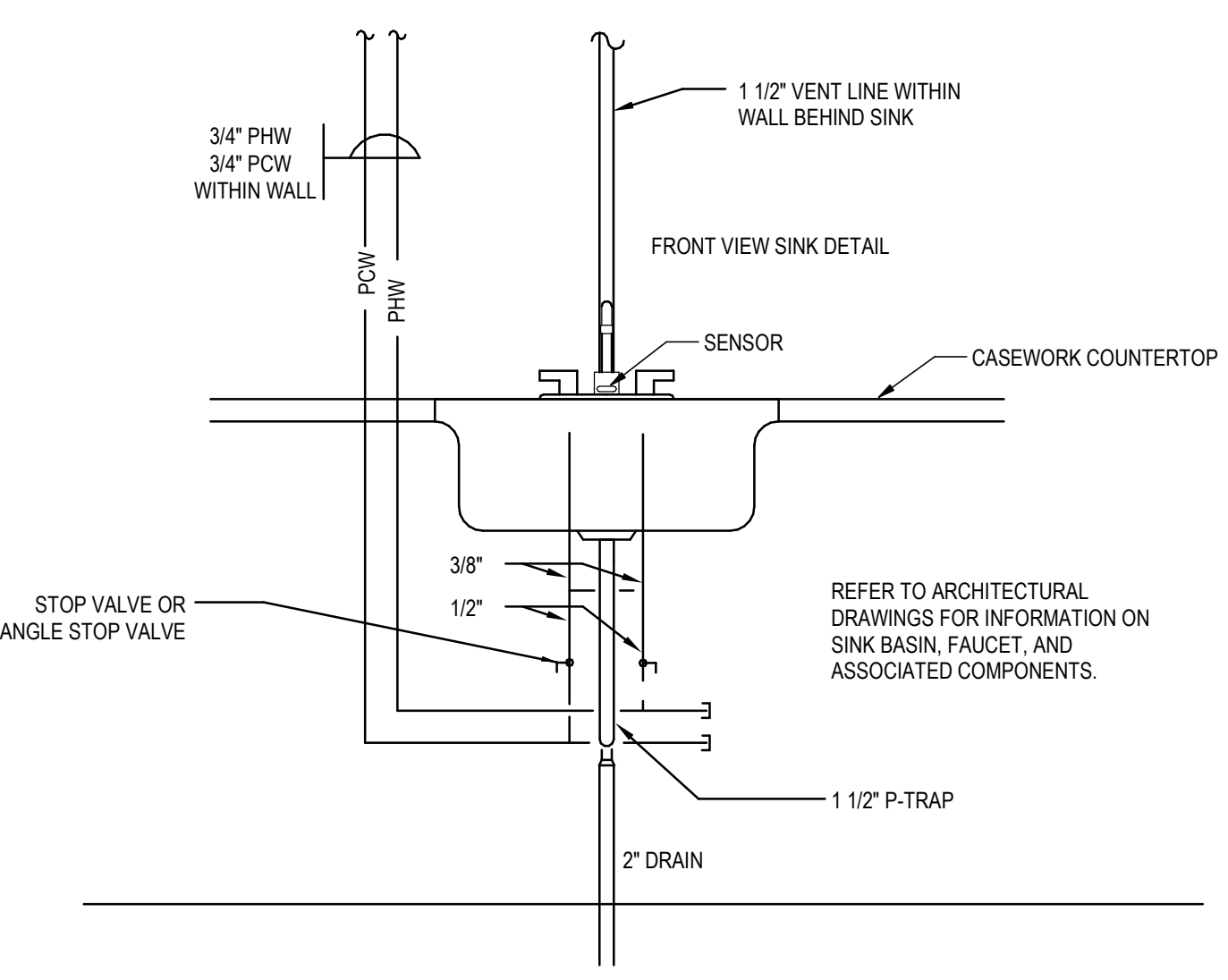


**2 STORM DRAINAGE RISER DIAGRAM**  
P500 N.T.S.

**6 EJECTOR PUMP BASIN AND PIPING DETAIL**  
P500 N.T.S.



NOTES:  
EXTERNAL DRAIN PIPING, INCLUDING TRAP FOR CONDENSATE IS REQUIRED FOR ALL UNITS. REDUCING PIPE SIZE AND NON-CONFORMANCE TO THESE DETAILS WILL HINDER CONDENSATE REMOVAL FROM DRAIN PAN OF AHU.  
P+N = FAN STATIC PRESSURE (IN. W.G.)



**5 TYPICAL LAB SINK DETAIL**  
P500 N.T.S.

**4 CONDENSATE DRAIN TRAP INSTALLATION NEGATIVE PRESSURE**  
P500 N.T.S.

PLUMBING FIXTURE SCHEDULE										
TAG	FIXTURE TYPE	LOCATION	MANUFACTURER	MODEL	NOTES					
EEWS-1	EMERGENCY SAFETY STATION	LR 20 BIOS ROOM 1067	GUARDIAN	G1950P	-					
FCD-1	FLOOR CLEAN OUT	MECHANICAL ROOM 1068	JAY R SMITH	4100S	1, 2					
FD-1	FLOOR DRAIN	REFER TO PLANS	JAY R SMITH	2280Y	1, 3					
RD-1	ROOF DRAIN	BIOS ADDITION ROOF	JAY R SMITH	1010V4-R-C	1, 4					

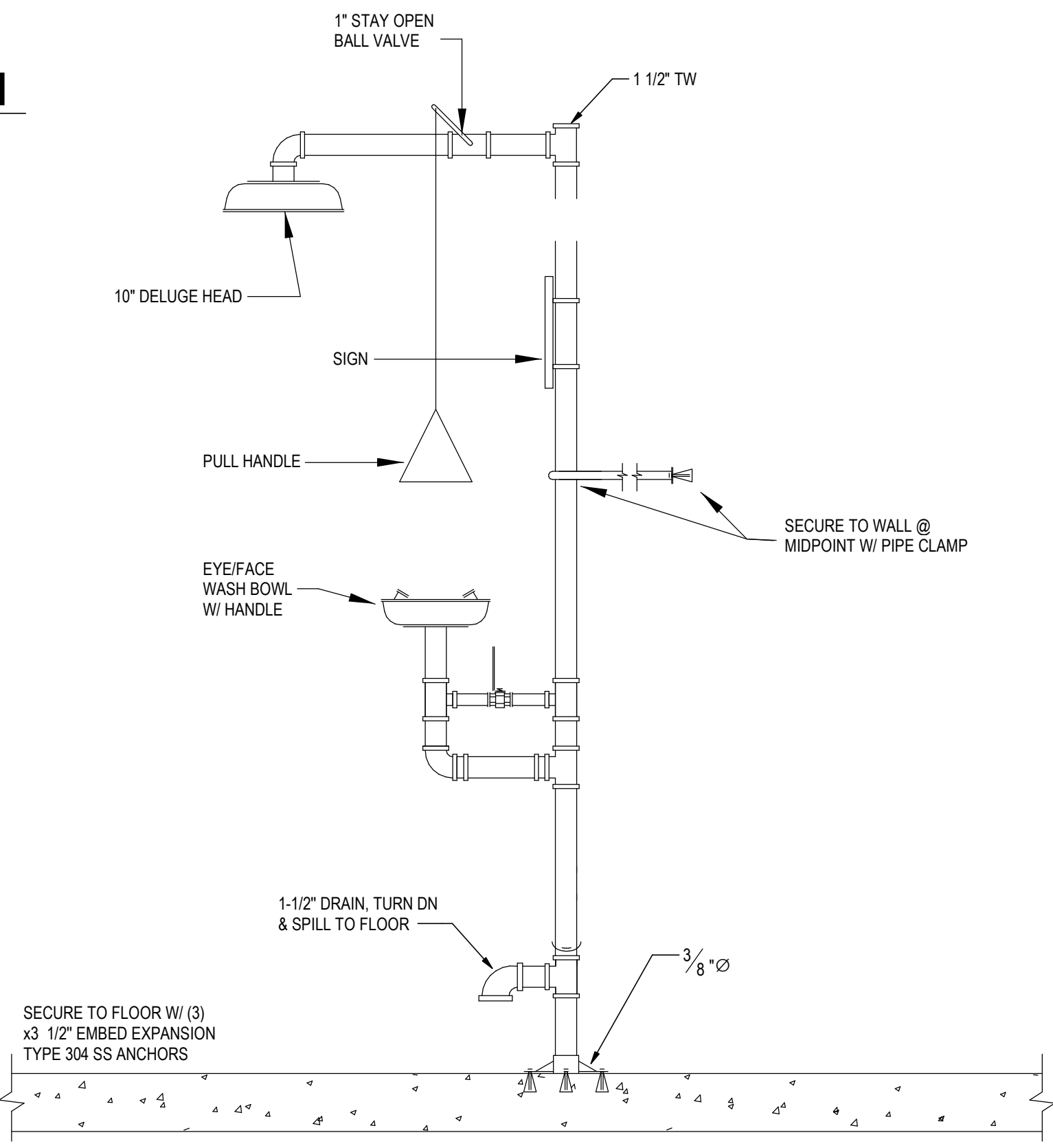
NOTES:  
1. PROVIDE WITH NO-HUB OUTLET. REFER TO PLANS FOR OUTLET SIZE AND CONFIRM AGAINST MODEL NUMBER.  
2. PROVIDE ROUND EXTRA HEAVY DUTY NICKEL BRONZE TOP OPTION, WITH GASKET SEAL AND ABS PLUG.  
3. PROVIDE MEDIUM DUTY DRAIN OPTION, WITH CAST IRON BODY, FLASHING COLLAR, TRANSITION COLLAR, CAST IRON ADA GRATE, AND SLOTTED SEDIMENT BUCKET.  
4. PROVIDE WITH LOW PROFILE PLYTHYLENE DOME, SUMP RECEIVER, AND UNDERDECK CLAMP.

COMPRESSED AIR DRYER SCHEDULE														
TAG	LOCATION	TYPE	DEW POINT (°C)	LINE PRESSURE (PSIG)	PRESSURE DROP (PSIG)	SCFM	CONNECTIONS INLET	CONNECTIONS OUTLET	FILTERS PRE	FILTERS FINAL	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
D-3	MECHANICAL ROOM 1068	DESICCANT AIR DRYER SKID	-60	116	1.23	64	1"	1"	DD32, PD32	DD32	110	ATLAS COPCO	CD-30-	1, 2, 3, 4

NOTES:  
1. PROVIDE DESICCANT DRYER WITH -100°F (-60°C) DEW POINT OPTION.  
2. PROVIDE SAMUEL PRESSURE VESSEL GROUP A10053 240 GALLON DRY VERTICAL AIR RECEIVER TANK DOWNSTREAM OF COMPRESSED AIR DESICCANT DRYER, WITH PRESSURE RELIEF VALVE, PRESSURE GAUGE, AND AUTOMATIC DRAIN VALVE INCLUDED.  
3. PROVIDE SAMUEL PRESSURE VESSEL GROUP A10049 120 GALLON DRY VERTICAL AIR RECEIVER TANK UPSTREAM OF COMPRESSED AIR DESICCANT DRYER, WITH PRESSURE RELIEF VALVE, PRESSURE GAUGE, AND AUTOMATIC DRAIN VALVE INCLUDED.  
4. PROVIDE 0.2 MICRON FILTER DOWNSTREAM OF DRY RECEIVER TANK.

EJECTOR PUMP SCHEDULE											
TAG	LOCATION	QUANTITY	PUMP DATA				ELECTRICAL		MANUFACTURER	MODEL NUMBER	NOTES
			FLOW EACH (GPM)	HEAD (FT)	HP EACH	SPEED (RPM)	VOLTS	PHASE			
EP-1	LR 20 BIOS ROOM	2	25	29	1-1/2	1750	460	3	WEIL	2422-SS-EP	1, 2, 3, 4

NOTES:  
1. PROVIDE WITH REMOTE MOUNTED DUPLEX PUMP CONTROL PANEL WITH FLOAT CONTROLS. SEE WATER MODEL WDP-4 3023-24 OR EQUAL.  
2. PROVIDE 3/4" FOOT DIAMETER, 5'-4" DEEP BASIN.  
3. PROVIDE FLUSH MOUNTED, DIAMOND PLATE STEEL COVER WITH ACCESS PANEL AND PIPING OPENINGS FOR INFLUENT AND PUMP DISCHARGE PIPING. WEIL MODEL 8804 WITH 40" OUTSIDE DIAMETER.  
4. PROVIDE RAIL MOUNTED, QUICK DISCONNECT STYLE MOUNTING SYSTEM.



**3 EMERGENCY EYEWASH AND SHOWER DETAIL**  
P500 N.T.S.

SYSTEM	ABBREVIATION	AREA OR SYSTEM SERVED	PIPE LOCATION	PIPE SIZE	PLUMBING PIPING SYSTEM APPLICATION SCHEDULE													
					PIPE MATERIAL	JOINING METHOD	CONSTRUCTION	INSULATION	JACKET									
COMPRESSED AIR	CA	BUILDING	ABOVEGROUND	ALL SIZES	COPPER DWV TUBE (NOTE 2)	SOLDERED	0-140	150 PSI	200	2	ZERO LOSSLEAKS	MINERAL FIBER PREFORMED	ASJ	FSK	PVC ALL-NOTE 3	PVC FITTINGS-NOTE 3	PVC TO 10 FEET	STAINLESS STEEL
DOMESTIC WATER	POW/PHW/PHREW	BUILDING	ABOVEGROUND	NPS 1/2 AND SMALLER	SCH 40 GALVANIZED STEEL - ASTM A53	HUB & SPIGOT SERVICE WEIGHT CAST IRON	40-140	125 PSI	150	2	ZERO LOSSLEAKS	MINERAL FIBER PREFORMED	ASJ	FSK	PVC ALL-NOTE 3	PVC FITTINGS-NOTE 3	PVC TO 10 FEET	STAINLESS STEEL
CONDENSATE DRAIN	CD	BUILDING	ABOVEGROUND	ALL SIZES	COPPER DWV TUBE (NOTE 2)	SOLDERED	40-140	100 PSI	150	2	ZERO LOSSLEAKS	MINERAL FIBER PREFORMED	ASJ	FSK	PVC ALL-NOTE 3	PVC FITTINGS-NOTE 3	PVC TO 10 FEET	STAINLESS STEEL
SANITARY & SANITARY VENT	SAN / V	BUILDING	ABOVEGROUND	ALL SIZES	COPPER DWV TUBE (NOTE 2)	SOLDERED	30-140	10 FT	NOTE 1	2	ZERO LOSSLEAKS	MINERAL FIBER PREFORMED	ASJ	FSK	PVC ALL-NOTE 3	PVC FITTINGS-NOTE 3	PVC TO 10 FEET	STAINLESS STEEL
			UNDERGROUND	ALL SIZES	COPPER DWV TUBE (NOTE 2)	SOLDERED	30-140	10 FT	NOTE 1	2	ZERO LOSSLEAKS	MINERAL FIBER PREFORMED	ASJ	FSK	PVC ALL-NOTE 3	PVC FITTINGS-NOTE 3	PVC TO 10 FEET	STAINLESS STEEL
STORM WATER	ST	BUILDING	ABOVEGROUND	ALL SIZES	COPPER DWV TUBE (NOTE 2)	SOLDERED	30-140	10 FT	NOTE 1	2	ZERO LOSSLEAKS	MINERAL FIBER PREFORMED	ASJ	FSK	PVC ALL-NOTE 3	PVC FITTINGS-NOTE 3	PVC TO 10 FEET	STAINLESS STEEL
			UNDERGROUND	ALL SIZES	COPPER DWV TUBE (NOTE 2)	SOLDERED	30-140	10 FT	NOTE 1	2	ZERO LOSSLEAKS	MINERAL FIBER PREFORMED	ASJ	FSK	PVC ALL-NOTE 3	PVC FITTINGS-NOTE 3	PVC TO 10 FEET	STAINLESS STEEL
SUMP PUMP DISCHARGE	SPD	BUILDING	ABOVEGROUND	ALL SIZES	COPPER DWV TUBE (NOTE 2)	SOLDERED	40-140	100 PSI	150	2	ZERO LOSSLEAKS	MINERAL FIBER PREFORMED	ASJ	FSK	PVC ALL-NOTE 3	PVC FITTINGS-NOTE 3	PVC TO 10 FEET	STAINLESS STEEL

NOTES:  
1. CLOSE OPENING IN PIPING SYSTEM AND FILL TO POINT OF OVERFLOW BUT NOT LESS THAN 10 FOOT HEAD OF WATER.  
2. OPTION FOR SANITARY VENT TO BE DWV COPPER TUBING WITH SOLDERED JOINTS.  
3. PROVIDE PVC JACKETING IN EXPOSED LOCATIONS.

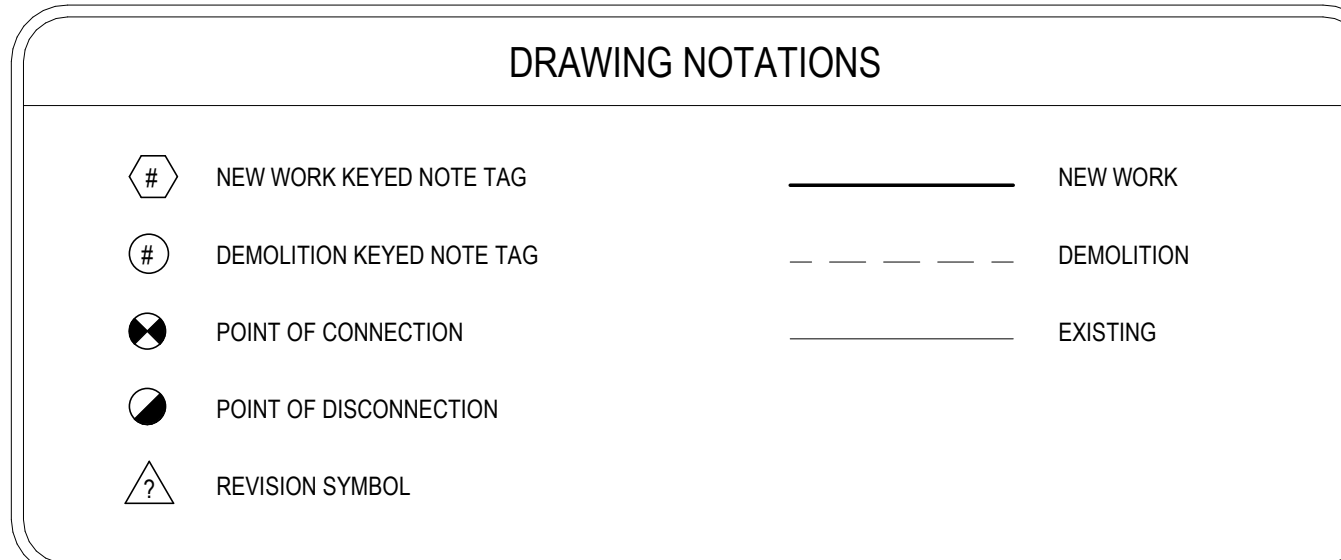
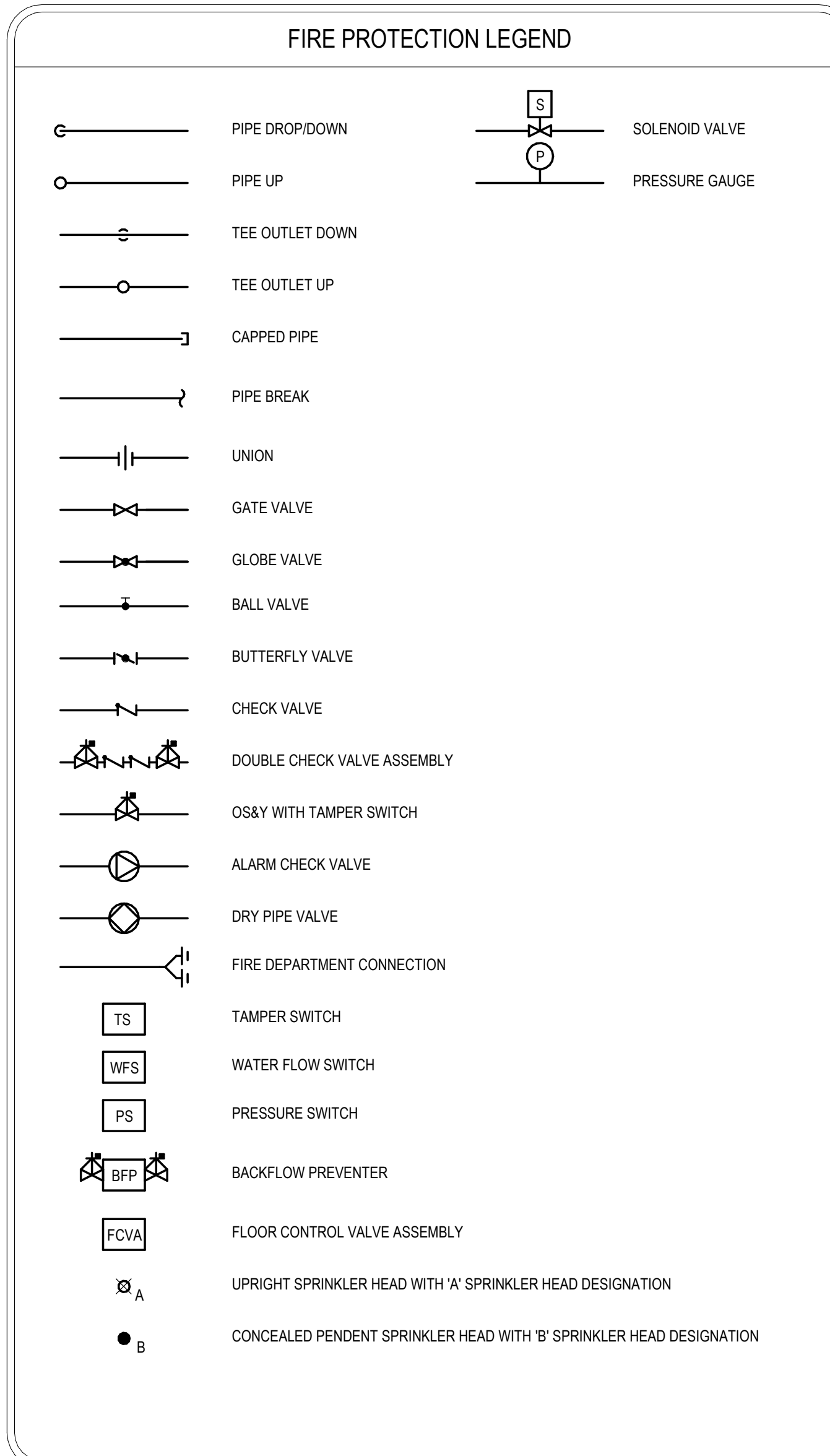
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Client/Project  
Pfizer Global Research and Development  
Hamilton BiOS #2 Addition  
Pearl River, NY

Title  
PLUMBING DETAILS, RISER DIAGRAMS, AND SCHEDULES



### FIRE PROTECTION ABBREVIATIONS

ABD	AUTOMATIC BALL DRIP	FDC	FIRE DEPARTMENT CONNECTION
ACV	ALARM CHECK VALVE	FM	FM GLOBAL, FACTORY MUTUAL
AFF	ABOVE FINISHED FLOOR	FP	FIRE PUMP, FIRE SPRINKLER PIPING
AHJ	AUTHORITY HAVING JURISDICTION	FS	FLOW SWITCH
ALX	AUXILIARY	FT	FOOT, FEET
BFP	BACKFLOW PREVENTER	IBBM	IRON BODY, BRONZE MOUNTED
BOP	BOTTOM OF PIPE	JP	JOCKEY PUMP
DDCA	DOUBLE CHECK DETECTOR ASSEMBLY	LH	LIGHT HAZARD
DCV	DOUBLE CHECK VALVE	NTS	NOT TO SCALE
DCW	DOMESTIC COLD WATER	OH1	ORDINARY HAZARD, GROUP 1
DHW	DOMESTIC HOT WATER	OH2	ORDINARY HAZARD, GROUP 2
DN	DOWN	OS&Y	OUTSIDE SCREW & YOKES
DPS	DRY PIPE SYSTEM	PG	PRESSURE GAUGE
DPV	DRY PIPE VALVE	PRV	PRESSURE REDUCING VALVE
DR	DRAIN	RPZ	REDUCED PRESSURE ZONE BFP ASSEMBLY
DWG	DRAWING	SQ.FT.	SQUARE FOOT, (FEET)
EH1	EXTRA HAZARD, GROUP 1	SPECS	SPECIFICATIONS
EH2	EXTRA HAZARD, GROUP 2	SPR	SPRINKLER
EL	ELEVATION	TS	TAMPER SWITCH
F	FIRE SERVICE	TYP	TYPICAL
FCA	FLOOR CONTROL VALVE ASSEMBLY	UL	UNDERWRITERS LABORATORIES
FD	FLOOR DRAIN		

- ### SPRINKLER DESIGN CRITERIA
- ALL NEW SPRINKLER WORK IN THIS BUILDING SHALL BE IN ACCORDANCE WITH THE 2020 INTERNATIONAL BUILDING CODE (AS AMENDED BY STATE OF NEW YORK), 2020 NYS FIRE CODE, NFPA 13-2022, AND ALL APPLICABLE FM GLOBAL DATA SHEETS.
  - HAZARD CLASSIFICATION CRITERIA:
    - ORDINARY HAZARD, GROUP 2: DENSITY 0.20 GPM PER SQ. FT. OVER MOST HYDRAULICALLY DEMANDING 2,000 SQ. FT., 250 GPM HOSE ALLOWANCE, 5.6 MIN K-FACTOR, 70 MIN / 130 MAX SQ. FT. PER SPRINKLER, QUICK RESPONSE.
  - MINIMUM PRESSURE AND WATER DISCHARGE:
    - THE MINIMUM PRESSURE AT ANY SPRINKLER HEAD SHALL BE 7 PSI AND ADJUSTED UPWARDS BASED UPON HAZARD CLASSIFICATION REQUIRED FLOW.
    - SEE SPRINKLER HEAD MANUFACTURER DATA FOR MORE INFORMATION.
  - HYDRAULICALLY CALCULATED SYSTEMS SHALL MEET THE FOLLOWING CRITERIA:
    - EXACT LOCATION OF SPRINKLER HEADS IN FINISHED AREAS WITH SUSPENDED CEILING SHALL BE AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLANS WITH HEADS IN CENTER OF TILES AND/OR ALIGNED WITH LIGHTS.
    - WHENEVER ROLLED GROOVED CONNECTIONS ARE USED, ALLOWANCE FOR ADDITIONAL PRESSURE LOSS AT GROOVES SHALL BE MADE AS FOLLOWS:
      - FOR EACH COUPLING ON STRAIGHT RUN INCLUDING STRAIGHT FLOW THROUGH TEE OR CROSS: ADD 1 EQUIVALENT FOOT OF PIPE.
      - FOR EACH COUPLING AT ELBOW, TEE OR CROSS WHERE DIRECTION OF FLOW CHANGES: ADD 2 EQUIVALENT FEET OF PIPE.
    - EQUIVALENT FITTING LENGTHS USED IN HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH NFPA STANDARD NO. 13, WHEREVER FITTINGS ARE USED IN CONJUNCTION WITH SCHEDULE 40 PIPE, EQUIVALENT FITTING LENGTHS INDICATED IN NFPA 13 SHALL BE INCREASED BY 30%.
    - WHERE FLEXIBLE SPRINKLER HEAD CONNECTIONS ARE USED, EQUIVALENT FITTING LENGTHS INDICATED BY MANUFACTURER FOR COMPLIANCE WITH UL LISTING AND FM APPROVAL SHALL BE ADDED TO THE HYDRAULIC CALCULATIONS.
    - DISCHARGE FROM EACH SPRINKLER HEAD SHALL NOT BE LESS THAN REQUIRED FOR AREA COVERED BY THE HEAD. AREA COVERAGE PER HEAD SHALL BE DETERMINED IN ACCORDANCE WITH NFPA STANDARD NO. 13-2022, PARAGRAPH 23.4.4.6.1.
      - HYDRAULIC CALCULATIONS SHALL BE BROUGHT BACK TO CONNECTION TO WATER SUPPLY.
  - FLOW TEST DATA:
    - CONTRACTOR SHALL OBTAIN FLOW DATA INDICATING RESIDUAL PRESSURES ASSOCIATED WITH BUILDING SYSTEM AND SUBMIT DATA WITH HYDRAULIC CALCULATIONS.
    - THESE HYDRAULIC CALCULATIONS ALONG WITH PUMP OR WATER FLOW TEST ARE TO BE SUBMITTED FOR APPROVAL TO THE ENGINEER AND TO THE INSURANCE UNDERWRITER. HYDRAULIC CALCULATIONS SHALL BE BROUGHT BACK TO THE LOCATION OF THE PUMP OR WATER FLOW TEST.
    - CONSTRUCTION MAY ONLY BEGIN WHEN APPROVALS ARE GRANTED.
    - RESULT OF HYDRAULIC CALCULATIONS SHALL INDICATE THE LARGER OF 10 PSI OR 1% PRESSURE SAFETY MARGIN, I.E., EXCESS OF PRESSURE AVAILABLE OVER PRESSURE REQUIRED.

- ### PERFORMANCE SPECIFICATION CRITERIA
- ANY SPRINKLER PLANS, INCLUDING EQUIPMENT LAYOUTS, PIPING, SPRINKLER HEAD LOCATIONS, ETC. ARE PROVIDED FOR CONCEPTUAL PURPOSES ONLY. IT IS INTENDED FOR GENERAL ROUTING OF PIPING AND COORDINATION WITH OTHER TRADES. SPRINKLER CONTRACTOR IS TO OBTAIN CURRENT HYDRANT FLOW TEST DATA AND PROVIDE HYDRAULIC CALCULATIONS FOR SYSTEM PIPE SIZING IN ACCORDANCE WITH NFPA 13-2022. CONTRACTOR IS TO SUBMIT SHOP DRAWINGS INDICATING HYDRAULIC CALCULATIONS, PIPING LAYOUT, AND SIZING. SHOP DRAWINGS AND CALCULATIONS ARE TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER, AND REVIEWED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION. ALL WORK IS TO BE DONE IN ACCORDANCE WITH ALL STATE, LOCAL, GOVERNING AND APPLICABLE CODES.

- ### PROJECT NOTES
- ALL EQUIPMENT, PIPING, MATERIALS, LABELLING, ETC. SHALL BE IN COMPLIANCE WITH PFIZER CONSTRUCTION STANDARDS.

- ### GENERAL SPRINKLER NOTES
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS AND SHALL REPORT TO ENGINEER ANY DISCREPANCIES OR OMISSIONS THAT WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
  - COORDINATE THE FIRE PROTECTION SYSTEM WITH WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING A FULL SET OF BID DOCUMENTS AND VISIT THE SITE TO MAKE THEMSELF AWARE OF THE TOTAL JOB BEFORE SUBMITTING THEIR PRICE. FAILURE TO COMPLY SHALL NOT HOLD THE OWNER RESPONSIBLE FOR ANY ADDITIONAL COST. CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING WITH FACILITY'S BUILDING MANAGEMENT FOR HANDLING MATERIALS, AS WELL AS FOR ALLOWABLE WORKING HOURS AND DELIVERIES.
  - NOTIFY OWNER AT LEAST 10 DAYS BEFORE NEW WORK OR BEFORE SHUT DOWN OF EXISTING SERVICES.
  - CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS AND MANUFACTURER'S CUTS AND SAMPLES TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO THE PURCHASE, FABRICATION, OR INSTALLATION OF SUCH WORK.
  - THE CONTRACTOR SHALL INDICATE ON THEIR SHOP DRAWING THAT ALL PIPING LAYOUTS ARE COORDINATED WITH THE MEP AND STRUCTURAL CONDITIONS, INCLUDING ON EACH WORKING DRAWING LAYOUT CERTIFICATE, THAT ALL RELATED CONDITIONS HAVE BEEN CHECKED, AND THAT NO CONFLICT EXISTS. SUBMISSION WILL NOT BE APPROVED WITHOUT SUCH CERTIFICATION.
  - CONTRACTOR SHALL SUBMIT SPRINKLER HYDRAULIC CALCULATIONS FOR THE ENGINEERS REVIEW TO VERIFY THE ADEQUACY OF THE INDICATED PIPE SIZES.
  - SPRINKLER CONTRACTOR SHALL CONDUCT A HYDRANT FLOW TEST OR OBTAIN FLOW TEST DATA TO VERIFY THE AVAILABLE WATER SUPPLY PRESSURE AND FLOW RATE ON THE INCOMING FIRE SERVICE. CONTRACTOR SHALL BASE HYDRAULIC CALCULATIONS ON THIS DATA.
  - DRAWINGS ARE NOT TO BE SCALED.
  - CONTRACTOR SHALL CARRY AND DOCUMENT LIABILITY, ACCIDENT AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY GENERAL CONTRACTOR AND/OR OWNER, AND OBSERVE THEIR PERMITTED HOURS FOR WORK.
  - CONTRACTOR SHALL EXERCISE EXTREME CARE IN PROTECTING AREAS ADJACENT TO CONSTRUCTION AREAS AND SHALL FULLY PROTECT THE ADJACENT AREAS FROM ANY DAMAGE RESULTING FROM CONTRACTORS WORKERS, SUBCONTRACTORS OR AGENTS, AND SHALL BE RESPONSIBLE FOR REPAIRING, CLEANING OR REPLACING ANY SUCH DAMAGE.
  - ALL DIMENSIONS GIVEN ARE FINISH DIMENSIONS UNLESS OTHERWISE STATED.
  - UNLESS SPECIFICALLY STATED OTHERWISE, CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, APPURTENANCES, EQUIPMENT AND SERVICES TO COMPLETE ALL WORK AS INDICATED ON DRAWINGS AND/OR SPECIFIED ON NOTES.
  - UNLESS SPECIFICALLY STATED OTHERWISE, CONTRACTOR SHALL FOLLOW MANUFACTURER'S DIRECTIONS, INSTRUCTIONS AND RECOMMENDATIONS FOR ALL MATERIALS AND PROCESSES USED IN THIS CONTRACT.
  - SPRINKLER HEADS SHALL NOT BE LOCATED DIRECTLY OVER ANY ELECTRICAL AND TELEPHONE EQUIPMENT.
  - SPRINKLER HEADS IN MECHANICAL ROOMS SHALL HAVE A MINIMUM OF AN INTERMEDIATE TEMPERATURE RATING.
  - SPRINKLER PIPING SHALL BE INSTALLED AS PER SHOP DRAWINGS.
  - EACH CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL PENETRATIONS, CUTTING, PATCHING, SLEEVES, AND FIRE STOPPING REQUIRED TO COMPLETE THE INSTALLATION OF ALL WORK INCLUDED UNDER THEIR CONTRACT IN ACCORDANCE WITH THE FIRE EGRESS AND SECURITY PLAN DRAWINGS.
  - ANY DAMAGE TO THE FIRE PROOFING OR BUILDING PROPER SHALL BE REPAIRED TO ENSURE INTEGRITY.
  - LOCATE ALL HORIZONTAL PIPING ABOVE SUSPENDED CEILING, UNLESS THERE IS NO CEILING.
  - PROVIDE SPRINKLER HEADS UNDER DUCTS AND OTHER OBSTRUCTIONS GREATER THAN 4" IN WIDTH IN AREAS WITHOUT HUNG CEILING.
  - SPRINKLER CONTRACTOR SHALL COORDINATE HEAD LOCATIONS WITH DUCTWORK AND OTHER PIPING TO AVOID OBSTRUCTION WITH SPRAY PATTERN AND PROVIDE ADDITIONAL HEADS WHERE REQUIRED TO PROVIDE FULL COVERAGE.
  - UPON COMPLETION OF THE WORK, CONTRACTOR SHALL COMPLETELY CLEAN THE CONSTRUCTION AREA SUITABLE FOR THE OWNER'S USE, INCLUDING REMOVAL OF ALL LABELS (AFTER ARCHITECT'S INSPECTION), CLEANING OF ALL THE EQUIPMENT, CONSTRUCTION WORK, WINDOWS AND OTHER WORK, NEW AND OLD, IN THAT CONSTRUCTION AREA.
  - AS-BUILT DRAWINGS SHALL BE TURNED OVER TO OWNER AT THE COMPLETION OF THE JOB.
  - CONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED UNDER THIS CONTRACT FOR A DURATION AS INDICATED IN THE PROJECT HANDBOOK, OR FOR A MINIMUM OF ONE YEAR FROM OWNER ACCEPTANCE OF WORK, WHICHEVER IS LONGER.
  - THE MINIMUM SPRINKLER BRANCH PIPE SIZE SHALL BE 1".
  - PROVIDE LOW-POINT DRAINS AS REQUIRED. PROVIDE LOCKING BALL VALVE AND CAP AT CONNECTION POINT TO BRANCH MAIN, COORDINATE FINAL DRAIN DISCHARGE AND VALVE LOCATIONS WITH OWNER IN FIELD.
  - SUBMIT CONTRACTOR'S MATERIAL AND TEST CERTIFICATES, AS INCLUDED IN NFPA 13 CHAPTER 25, UPON COMPLETION OF SYSTEM.
  - AN INSPECTOR'S TEST CONNECTION SHALL BE PROVIDED AT THE HYDRAULICALLY MOST REMOTE POINT IN THE SPRINKLER SYSTEM TERMINATE DRAIN THROUGH EXTERIOR WALL AT 18" ABOVE GRADE. SEE NFPA 13 FOR RECOMMENDED LAYOUT. PROVIDE SPLASHBLOCK AT TERMINATION. PROVIDE ENGRAVED SIGN TO READ "SPRINKLER TEST STATION".

- ### SPRINKLER CODE NOTES
- AUTOMATIC SPRINKLER SYSTEM SHALL COMPLY WITH SECTION 903 OF THE 2020 BUILDING CODE OF NYS (IBC; AS AMENDED BY STATE OF NEW YORK, 2020 FIRE CODE OF NYS; NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD NO. 13-2016, AND ALL APPLICABLE FM GLOBAL DATA SHEETS.
  - APPROVED AUTOMATIC SPRINKLER SYSTEM IN NEW BUILDINGS AND STRUCTURES SHALL BE PROVIDED IN THE LOCATIONS DESCRIBED IN SEC. 903.2 OF THE IBC.
  - AUTOMATIC SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH SEC. 903.3.1 THROUGH 903.3.8 OF THE IBC.
  - AUTOMATIC SPRINKLERS SHALL NOT BE REQUIRED IN THE ROOMS OR AREAS WHICH ARE LISTED IN 903.3.1.1.1 OF THE IBC AS LONG AS AN APPROVED AUTOMATIC FIRE DETECTION SYSTEM IN ACCORDANCE WITH SEC. 907.2 AND AN ALTERNATIVE EXTINGUISHING SYSTEM IN ACCORDANCE WITH SEC. 904.
  - SPRINKLERS SHALL NOT BE INSTALLED FROM ANY ROOM MERELY BECAUSE IT IS DAMP, OF FIRE-RESISTANCE-RATED CONSTRUCTION OR CONTAINS ELECTRICAL EQUIPMENT AS PER SEC. 903.3.1.1.1 OF THE IFC.
  - WHERE AN AUTOMATIC SPRINKLER SYSTEM IS TO BE INSTALLED, QUICK-RESPONSE AUTOMATIC SPRINKLERS SHALL BE INSTALLED IN THE AREAS LISTED IN SEC. 903.3.2 OF THE IBC.
  - AUTOMATIC SPRINKLERS SHALL BE INSTALLED WITH DUE REGARD TO OBSTRUCTIONS THAT WILL DELAY ACTIVATION OR OBSTRUCT THE WATER DISTRIBUTION PATTERN. AUTOMATIC SPRINKLERS SHALL BE INSTALLED IN OR UNDER COVERED KIOSKS, DISPLAYS, BOOTH, CONCESSION STANDS, OR EQUIPMENT THAT EXCEEDS 4 FEET IN WIDTH, NOT LESS THAN 3 FOOT CLEARANCE SHALL BE MAINTAINED BETWEEN AUTOMATIC SPRINKLERS AND TOP OF PILES OF COMBUSTIBLE FIBERS; SEC. 903.3.3 OF THE IBC.
  - FIRE HOSE THREADS AND FITTINGS USED IN CONNECTION WITH AUTOMATIC SPRINKLER SYSTEMS SHALL BE APPROVED AND COMPATIBLE WITH FIRE DEPARTMENT HOSE THREADS AS PER SEC. 903.3.6 OF THE IBC.
  - ALL VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS, PUMPS, TANKS, WATER LEVELS AND TEMPERATURES, CRITICAL AIR PRESSURES AND WATER FLOW SWITCHES ON ALL SPRINKLER SYSTEM SHALL BE ELECTRICALLY SUPERVISED BY THE FIRE ALARM SYSTEM WHERE A FIRE ALARM SYSTEM IS REQUIRED BY SECTION 907 AS PER SEC. 903.4 OF THE IBC.
  - THE DOCUMENTS OR PORTIONS THERE OF LISTED IN CHAPTER 2 OF NFPA 13-2022 ARE REFERENCED WITHIN NFPA 13 AND SHALL BE CONSIDERED PART OF THE REQUIREMENTS OF THIS DOCUMENT.
  - OCCUPANCY CLASSIFICATION SHALL COMPLY WITH CHAPTER 5 OF NFPA 13-2022.
  - REQUIREMENTS FOR CORRECT USE OF SPRINKLER SYSTEM COMPONENTS SHALL COMPLY WITH CHAPTER 6 OF NFPA 13-2022.
  - THE K-FACTOR, RELATIVE DISCHARGE, AND MARKING IDENTIFICATION FOR SPRINKLERS HAVING DIFFERENT ORIFICE SIZES SHALL BE IN ACCORDANCE WITH TABLE 6.2.3.1 OF NFPA 13-2022.
  - LARGE DROP AND ESFR SPRINKLERS SHALL HAVE A MINIMUM NOMINAL K-FACTOR OF 11.2 AS PER SECTION 6.2.3.5 OF NFPA 13-2022.
  - AUTOMATIC SPRINKLERS SHALL HAVE THEIR FRAME ARMS, DEFLECTOR, COATING MATERIAL, OR LIQUID BULB COLORED IN ACCORDANCE WITH THE REQUIREMENTS OF TABLE 6.2.5.1 OF NFPA 13-2022.
  - LISTED CORROSION RESISTANT SPRINKLER SHALL BE INSTALLED IN LOCATIONS WHERE CHEMICALS, MOISTURE, OR OTHER CORROSIVE VAPORS SUFFICIENT TO CAUSE CORROSION OF SUCH DEVICES EXIST WITH SEC 6.2.6.1 OF NFPA 13-2022.
  - ALL CONTROL, DRAIN, AND TEST CONNECTION VALVES SHALL BE PROVIDED WITH PERMANENTLY MARKED WEATHERPROOF METAL OR RIGID PLASTIC IDENTIFICATION SIGNS AS PER SECTION SEC. 6.7.4.1 OF NFPA 13-2022.
  - THE MAXIMUM FLOOR AREA OR ANY ONE FLOOR TO BE PROTECTED BY A SINGLE RISER FROM A CONTROL VALVE AND ALARM DEVICE SHALL COMPLY WITH SEC. 8.2.1 OF NFPA 13-2022.
  - WHERE CIRCUMSTANCES REQUIRE THE USE OF OTHER THAN ORDINARY TEMPERATURE-RATED SPRINKLERS, STANDARD RESPONSE SPRINKLERS SHALL BE PERMITTED TO BE USED SEC. 8.3.3.1 OF NFPA 13-2022.
  - SPRINKLERS OF INTERMEDIATE AND HIGH TEMPERATURE RATINGS SHALL BE INSTALLED IN SPECIFIC LOCATIONS AS REQUIRED BY SEC. 8.3.2 OF NFPA 13-2022.
  - SPRINKLERS SHALL BE LOCATED, SPACED AND POSITIONED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 8.5 THROUGH 8.17 OF NFPA 13-2022.
  - PROTECTION AREAS AND MAXIMUM SPACING FOR EACH HAZARD SHALL COMPLY WITH TABLE 8.6.2.2.1(a), (b), (c), AND (d) OF NFPA 13-2022.
  - DRAIN CONNECTIONS FOR SYSTEMS SUPPLY RISERS AND MAINS SHALL BE SIZED AS SHOWN IN TABLE 8.16.2.4.2 OF NFPA 13-2022.
  - TYPES OF HANGERS SHALL BE ACCORDANCE WITH THE REQUIREMENT OF SEC. 9.1 OF NFPA 13-2022.
  - MAXIMUM DISTANCE BETWEEN HANGERS SHALL BE COMPLY WITH TABLE 9.2.2.1 OF NFPA 13-2022.
  - HOSE STREAM DEMAND AND WATER SUPPLY DURATION REQUIREMENT SHALL COMPLY WITH TABLE 11.2.3.1.2 OF NFPA 13-2022.
  - THE WATER SUPPLY FOR SPRINKLERS SHALL BE DETERMINED BY DENSITY/AREA CURVE, FIGURE 11.2.3.1.1 OF NFPA 13-2022.
  - HYDRAULIC DESIGN AREA REDUCTION FOR QUICK RESPONSE SPRINKLERS SHALL COMPLY WITH FIGURE 11.2.3.3.1 OF NFPA 13-2022.
  - TYPE OF SPRINKLER HEAD IN GENERAL STORAGE SHALL COMPLY WITH SECTION 12.6 OF NFPA 13-2022.
  - MINIMUM OPERATING PRESSURE OF ANY SPRINKLER SHALL BE 7 PSI AS PER SECTION 23.4.4.10 OF NFPA 13-2022.
  - THE SPRINKLER SYSTEM SHALL BE HYDROSTATICALLY TESTED AT 200 PSI AND SHALL MAINTAIN THAT PRESSURE WITHOUT LOSS FOR 2 HOURS AS PER SECTION 25.2.1.1 OF NFPA 13-2022. PORTIONS OF SYSTEMS NORMALLY SUBJECTED TO SYSTEM WORKING PRESSURE IN EXCESS OF 150 PSI SHALL BE TESTED AT 50 PSI IN EXCESS OF SYSTEM WORKING PRESSURE AND SHALL MAINTAIN THAT PRESSURE WITHOUT LOSS FOR 2 HOURS, PER NFPA 13-2022 SEC. 25.2.1.2.
  - MODIFICATIONS AFFECTING 20 OR FEWER SPRINKLERS SHALL NOT REQUIRE TESTING IN EXCESS OF SYSTEM WORKING PRESSURE IN ACCORDANCE WITH SECTION 25.2.1.4 OF NFPA 13-2022.
  - A SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH NFPA 13 SHALL BE PROPERLY INSPECTED, TESTED, AND MAINTAINED IN ACCORDANCE WITH NFPA 25, STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS AND THE INTERNATIONAL FIRE CODE, TO PROVIDE AT LEAST THE SAME LEVEL OF PERFORMANCE AND PROTECTION AS DESIGNED.
  - PAINTING OF DEDICATED SPRINKLER PIPING AND VALVE HANDLES SHALL BE PERFORMED AS REQUIRED BY THE IBC, IFC, AND LOCAL AHJ.

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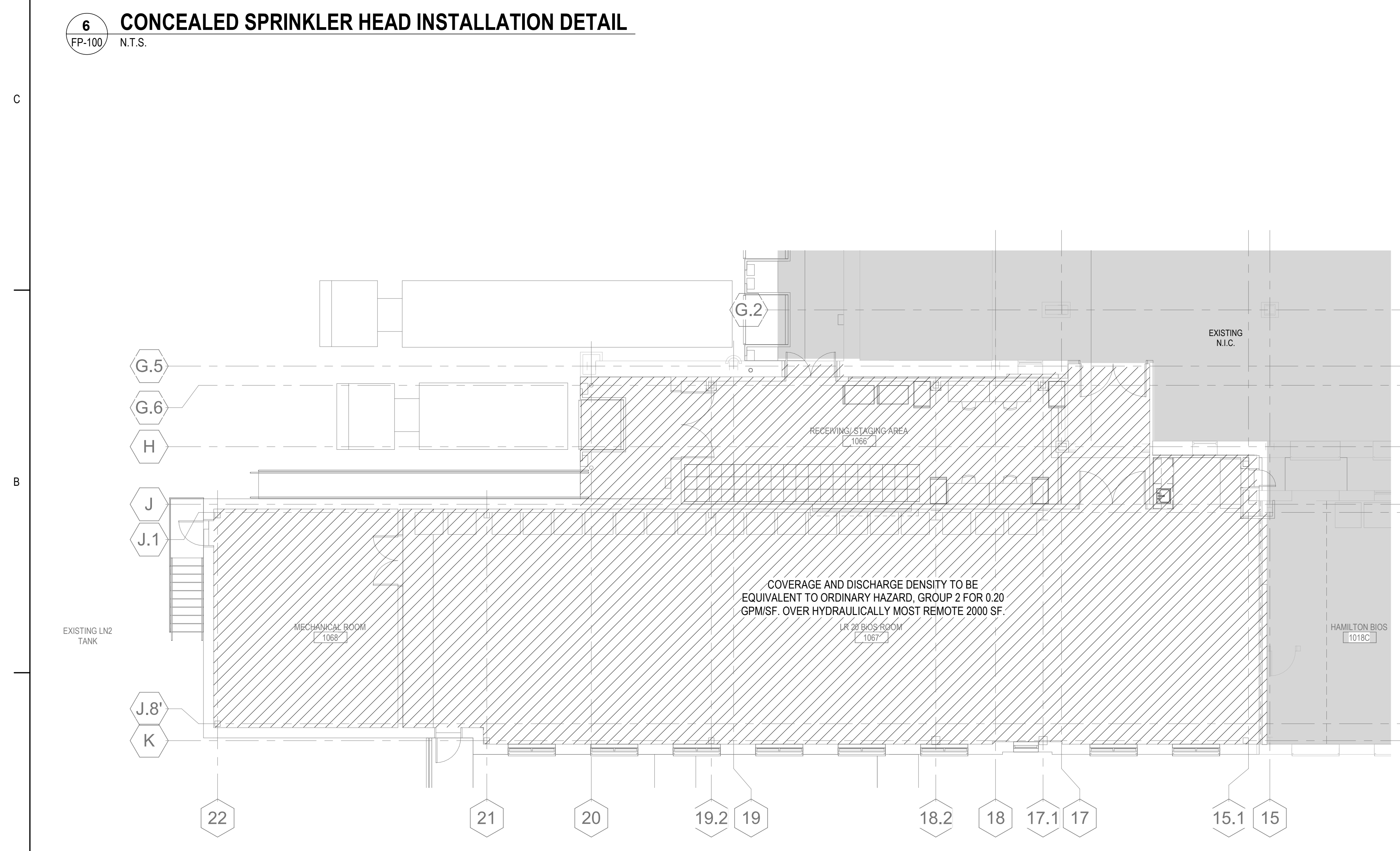
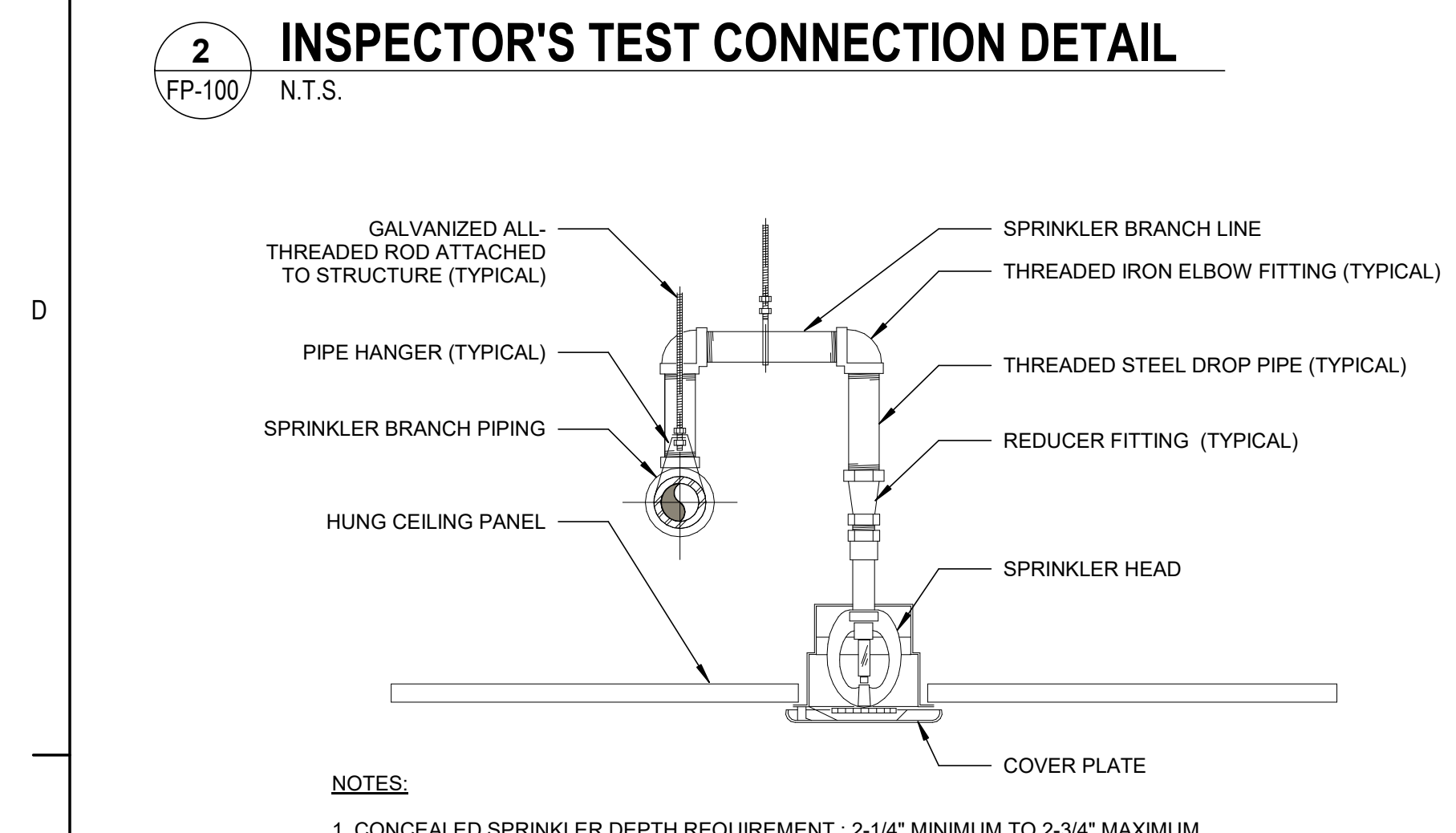
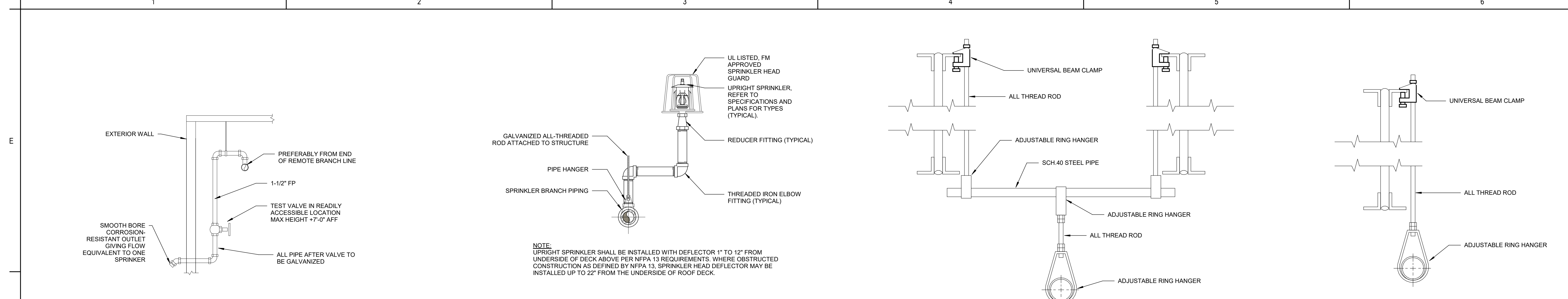


Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition  
Pearl River, NY

Title  
**FIRE PROTECTION NOTES, SYMBOLS, AND ABBREVIATIONS**

Project No.	Scale
191501254	N.T.S.
Revision	Drawing No.
2	<b>FP-000</b>



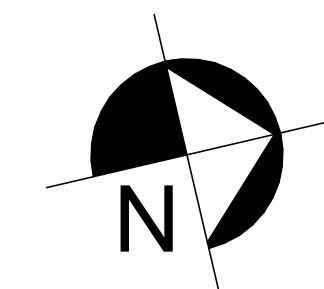
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File Name: N/A		KBN	KBN	JFP
		Draw.	Draw.	Chk'd.



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

Title  
FIRST FLOOR FIRE PROTECTION ZONING PLAN AND DETAILS

Project No. 191501254  
Revision 2  
Scale As indicated  
Drawing No. FP-100



PIPING SYSTEM APPLICATION SCHEDULE														
PIPING SYSTEM	PIPING SERVICE DESIGNATION	PIPING LOCATION	PIPE SIZE	PIPING MATERIAL			FITTINGS / JOINTS			CONSTRUCTION				
				BLACK STEEL - SCH. 40	BLACK STEEL - SCH. 40	BLACK STEEL - SCH. 40	ROLL 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			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

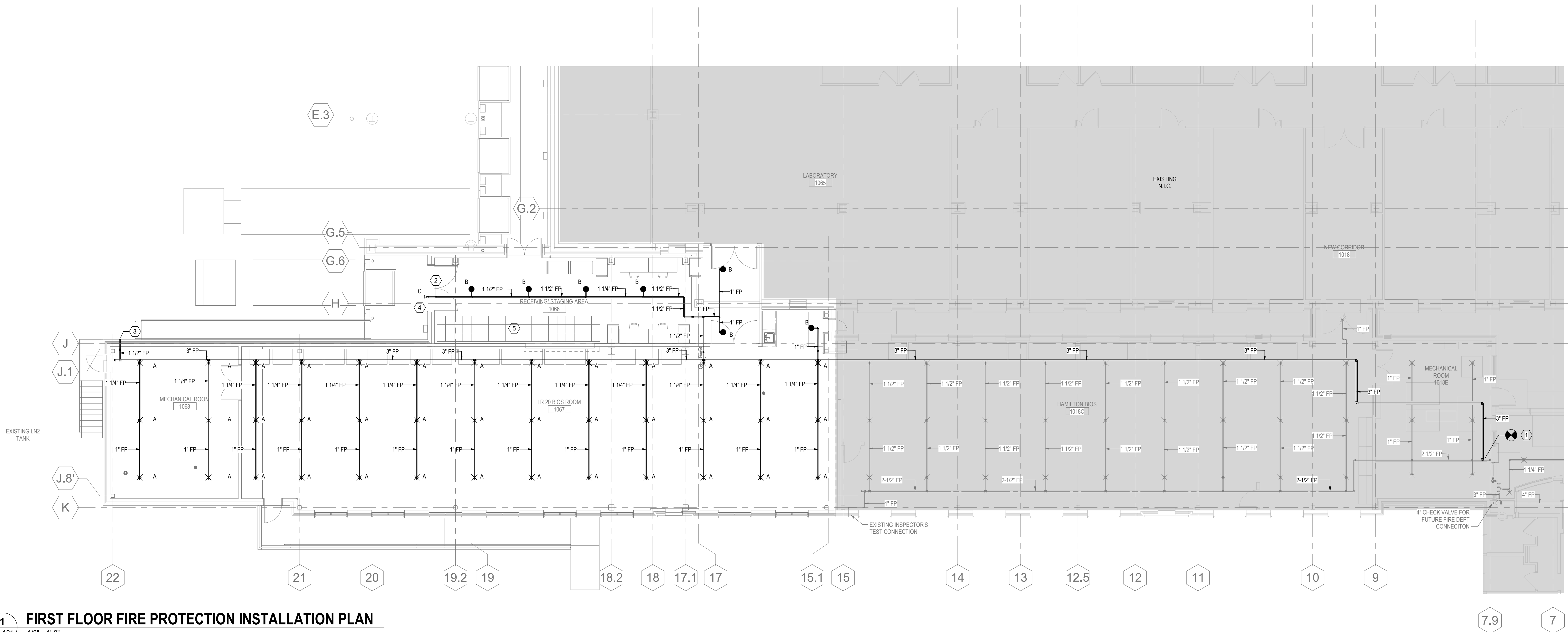
NOTE:  
1. TEST PRESSURE FOR SPRINKLER SHALL BE 200 PSI MINIMUM OR 50 PSI IN EXCESS OF WORKING PRESSURE, WHICHEVER IS GREATER.

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
C	EXTENDED COVERAGE SIDEWALL	BRASS	TYCO	DS-3	TY5339	155	11.2	256	STANDARD	1"	SEE NOTE 1.5,6

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.  
5. PROVIDE PROTECTIVE SPRINKLER CAGE GUARD.  
6. PROVIDE IN 18" LENGTH.

- 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. PROVIDE 1-1/2" INSPECTORS TEST CONNECTION AS SHOWN. REFER TO INSPECTORS TEST CONNECTION DETAIL 1 / FP100.
  4. PROVIDE SINGLE DRY TYPE HORIZONTAL SIDEWALL EXTENDED COVERAGE SPRINKLER 8" TO 12" BELOW BOTTOM OF DOCK OVERHANG CEILING. PROVIDE SPRINKLER CAGE GUARD.
  5. PACKAGE STAGING NOT TO EXCEED 5'-0" A.F.F.

E  
D  
C  
B  
A



**1** FIRST FLOOR FIRE PROTECTION INSTALLATION PLAN  
FP-101 1/8" = 1'-0"

NO.	DESCRIPTION	DATE	BY	CHKD.
2	PLANNING BOARD RESUBMISSION	2023.06.07	JPP	KBN
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Hamilton BiOS #2 Addition  
Pearl River, NY  
Title  
FIRST FLOOR FIRE PROTECTION  
INSTALLATION PLAN

DRAWING INDEX	
NO.	DRAWING NAME
ELECTRICAL	
E-001	ELECTRICAL LEAD SHEET
E-100	FIRST FLOOR CONDUIT ROUTING PLAN
E-101	PARTIAL FIRST FLOOR POWER PLAN
E-102	PARTIAL FIRST FLOOR PLAN - BLDG 222 MER
E-201	PARTIAL FIRST FLOOR LIGHTING PLAN
E-301	PARTIAL FIRST FLOOR SYSTEMS PLAN
E-801	ELECTRICAL ONE-LINE DIAGRAM
E-802	ELECTRICAL SCHEDULES
ED-101	PARTIAL FIRST FLOOR DEMOLITION PLAN

**PROJECT NOTES**

- THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM AUTHORITIES HAVING JURISDICTION AND PAY ALL ASSOCIATED FEES.
- LOCATE JUNCTION AND PULL BOXES AS REQUIRED TO ALLOW ACCESS AFTER EQUIPMENT AND APPURTENANCES ARE INSTALLED. COORDINATE EXACT LOCATIONS WITH THE OTHER TRADES. COORDINATE LOCATIONS AND ELEVATIONS OF ELECTRICAL DEVICES WITH DRAWINGS AND OTHER TRADES PRIOR TO INSTALLATION.
- PROTECT PERMANENT BUILDING FINISHES FROM DAMAGE DURING CONSTRUCTION PERIOD. PROVIDE PLYWOOD OR SIMILAR MATERIAL UNDER EQUIPMENT OR MATERIALS STORED ON FLOORS, AND IN AREAS WHERE CONSTRUCTION MAY DAMAGE FINISHES. SURFACES OR FINISHES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE COST OF THE CONTRACTOR AT FAULT.
- CONTRACTORS SHALL COORDINATE LOCATIONS OF FIXTURES AND ELECTRICAL DEVICES INSTALLED IN OR ON THE CEILING WITH ARCHITECTURAL REFLECTED CEILING PLAN. CEILING MOUNTED ELECTRICAL DEVICES SHALL BE MOUNTED IN THE CENTER OF THE CEILING TILES, UNLESS OTHERWISE NOTED.
- WHERE DIRECTED TO USE OR RETAIN EXISTING CIRCUITS, AND THE CIRCUIT NUMBERS DIFFER FROM THE DRAWING, UPDATE DIRECTORIES AND RECORD DRAWINGS.
- PROPERLY SUPPORT PER CODE LOW VOLTAGE CABLING NOT IN CONDUIT IN AREAS SUCH AS CORRIDORS DESIGNATED FOR NEW CEILINGS AND FINISHES. SUPPORT EXISTING ELECTRICAL DEVICES AND EQUIPMENT IN AND ABOVE THE CEILING, INCLUDING CONDUIT AND CABLING. PROVIDE PROPER PERMANENT SUPPORT AS NEEDED TO COMPLY WITH CODE AND TAKE WEIGHT OFF CEILING SUPPORTS. REMOVE AND REINSTALL ELECTRICAL DEVICES AND EQUIPMENT AS NEEDED FOR PAINTING, WALL COVERINGS, CEILING, AND FINISH WORK. REFER TO ARCHITECTURAL DRAWINGS. LOW VOLTAGE CABLING LOCATED IN EXPOSED STRUCTURE (CEILING) AREAS SHALL BE INSTALLED IN CONDUIT (OR CABLE TRAY, IF APPLICABLE) AND Routed TIGHT TO DECK. INSTALLATIONS NOT IN COMPLIANCE WITH THIS REQUIREMENT SHALL BE REMOVED AND REINSTALLED AT CONTRACTOR'S EXPENSE.
- WHERE PROJECT PHASING IS INDICATED IN ANY PART OF THE WORKING DOCUMENT PACKAGE, ELECTRICAL CONTRACTOR IS TO PLAN WORK SO AS TO FACILITATE SUCH PHASING.
- FOR BRANCH CIRCUITS OVER 75' (25 METERS) IN LENGTH (TOTAL ONE WAY) FROM THE PANEL, THE ELECTRICAL CONTRACTOR SHALL CALCULATE THE VOLTAGE DROP AND PROVIDE AN APPROPRIATE CONDUIT SIZE TO ACHIEVE NO MORE THAN 3% MAXIMUM ALLOWABLE VOLTAGE DROP.
- DO NOT SCALE THE DRAWINGS, BECAUSE OF THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS OR OTHER SIMILAR ITEMS WHICH MAY BE REQUIRED TO MAKE A COMPLETE OPERATING SYSTEM. CAREFULLY INVESTIGATE CONDITIONS AFFECTING WORK AND INSTALL WORK IN SUCH MANNER THAT INTERFERENCES BETWEEN PIPES, CONDUITS, DUCTS, EQUIPMENT, ARCHITECTURAL AND STRUCTURAL FEATURES SHALL BE AVOIDED.

**FIRE ALARM**

- FIRE SERVICE PHONE STATION OUTLET
- FLAME DETECTOR
- GAS DETECTOR, CARBON MONOXIDE
- HORN AND STROBE LIGHT, CEILING MOUNTED
- HORN AND STROBE LIGHT, WALL MOUNTED
- REMOTE INDICATOR, CEILING MOUNTED
- REMOTE INDICATOR, WALL MOUNTED
- SPEAKER AND STROBE LIGHT, CEILING MOUNTED
- SPEAKER AND STROBE LIGHT, WALL MOUNTED
- STROBE LIGHT, CEILING MOUNTED
- STROBE LIGHT, WALL MOUNTED
- ADDRESSABLE INPUT MODULE
- AREA OF REFUGE COMMUNICATION MASTER UNIT
- AREA OF REFUGE COMMUNICATION REMOTE UNIT
- ADDRESSABLE OUTPUT MODULE
- ELECTRICALLY OPERATED SMOKE OR FIRESMOKE DAMPER CONNECTION
- DOOR CLOSER
- DOOR HOLDER
- CHIME, WALL MOUNTED
- HORN, CEILING MOUNTED
- HORN, WALL MOUNTED
- PULL STATION
- FIRE ALARM ANNUNCIATOR
- FIRE ALARM CONTROL PANEL
- FIRE ALARM TRANSMITTER
- FIRE ALARM TERMINAL CABINET
- GRAPHIC ANNUNCIATOR PANEL
- HEAT DETECTOR
- FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT PANEL
- PRESSURE DETECTOR/SWITCH
- INTERFACE RELAY
- SMOKE DETECTOR, CEILING MOUNTED
- SMOKE DETECTOR, WALL MOUNTED
- SMOKE DETECTOR, SINGLE STATION
- SMOKE/HEAT DETECTOR
- SMOKE/HEAT/CARBON MONOXIDE DETECTOR
- SPEAKER, CEILING MOUNTED
- SPEAKER, WALL MOUNTED
- VALVE SUPERVISORY TAMPER SWITCH
- FLOW DETECTOR/SWITCH

**HEAT/SMOKE DETECTOR TYPES**

- FIXED TEMPERATURE, # INDICATES °C OR °F
- RATE OF RISE
- COMBINED RATE OF RISE/FIXED TEMPERATURE
- AIR SAMPLING
- BEAM DETECTOR RECEIVER
- BEAM DETECTOR TRANSMITTER
- ELEVATOR RECALL
- IONIZATION
- IN DUCT
- PHOTOELECTRIC

**LIGHTING CONTROLS**

- SINGLE POLE SWITCH
- INDICATES WIRELESS CONTROL
- INDICATES BATTERY POWER
- LOWER-CASE LETTER(S) NEAR SWITCH DENOTE SWITCH LEG(S)
- DOUBLE POLE SWITCH
- THREE-WAY SWITCH
- FOUR-WAY SWITCH
- DIMMER SWITCH
- KEY OPERATED SWITCH
- MOMENTARY CONTACT LOW VOLTAGE SWITCH
- OCCUPANCY SENSOR SWITCH
- SWITCH WITH PILOT LIGHT
- PHOTOCELL SWITCH
- TIMER SWITCH
- COMBINATIONS OF THE ABOVE DESIGNATIONS MAY BE USED
- LOW VOLTAGE CONTROL, STATION, # INDICATES STATION IDENTIFICATION
- DIMMING SYSTEM CONTROL PANEL
- EMERGENCY LIGHTING CONTROL UNIT
- LIGHTING CONTROL PANEL
- COMBINATION OCCUPANCY/PHOTO SENSOR SWITCH, CEILING MOUNTED
- OCCUPANCY SENSOR SWITCH, CEILING MOUNTED
- PARTITION SENSOR CONTROL
- PHOTO SENSOR CONTROL
- PHOTO SENSOR CONTROL, CEILING MOUNTED
- RELAY
- LOW VOLTAGE TRANSFORMER

**ELECTRONIC SECURITY**

- CCTV CAMERA
- CCTV CAMERA, CEILING MOUNTED
- CCTV CAMERA, PENDANT MOUNTED
- CCTV CAMERA, POLE MOUNTED
- CCTV CAMERA, 360° FIELD OF VIEW
- CCTV CAMERA, FIXED AIM, WEDGE INDICATES AIMING
- CCTV CAMERA, PAN/TILT/ZOOM, WEDGE INDICATES DEFAULT AIMING
- DOOR HARDWARE MARK
- GLASS BREAKAGE SENSOR
- GLASS BREAKAGE SENSOR, CEILING MOUNTED
- WIRELESS RECEIVER
- LOCAL ALARM
- ACCESS CONTROL PANEL
- BIOMETRIC READER
- CCTV MONITOR
- CARD READER/KEYPAD COMBINATION
- CARD READER
- DURESS ALARM BUTTON
- VOICE DURESS ALARM
- VOICE DURESS ALARM WITH STROBE
- VOICE DURESS ALARM WITH STROBE, PEDESTAL MOUNTED
- DOOR CONTACT SWITCH
- ELECTRIC LOCK
- ELECTRIC STRIKE
- ELECTRIC LATCH RETRACTION
- INTRUSION ARMED/SARM
- INTRUSION DETECTION PANEL
- PRIMARY INTERCOM STATION, AUDIO ONLY
- PRIMARY INTERCOM STATION, AUDIO/VIDEO
- PRIMARY INTERCOM STATION, AUDIO ONLY, DOOR RELEASE
- PRIMARY INTERCOM STATION, AUDIO/VIDEO, DOOR RELEASE
- SECONDARY INTERCOM STATION, AUDIO ONLY
- SECONDARY INTERCOM STATION, AUDIO/VIDEO
- SECONDARY INTERCOM STATION, AUDIO ONLY, DOOR RELEASE
- SECONDARY INTERCOM STATION, AUDIO/VIDEO, DOOR RELEASE
- KEYPAD
- MOTION DETECTOR
- MOTION DETECTOR, CEILING MOUNTED
- POWER SUPPLY PANEL
- REQUEST TO EXIT DETECTOR

**LUMINAIRES**

- LUMINAIRE IDENTIFICATION, SEE LUMINAIRES SCHEDULE
- LOWER-CASE LETTER(S) NEAR LUMINAIRE DENOTE SWITCH LEG(S)
- RECESSED RECTANGULAR LUMINAIRE, DRAWN TO SCALE
- SURFACE MOUNTED RECTANGULAR LUMINAIRE, DRAWN TO SCALE
- RECESSED VOLUMETRIC LUMINAIRE, DRAWN TO SCALE
- WALL MOUNTED RECTANGULAR LUMINAIRE, LENGTH TO SCALE (NUMBER OF MOUNTING POINTS WILL VARY WITH THE LUMINAIRE LENGTH AND ARE NOT INDICATED)
- RECESSED DOWNLIGHT LUMINAIRE
- SURFACE MOUNTED CEILING LUMINAIRE
- PENDANT MOUNTED LUMINAIRE
- LINEAR PENDANT MOUNTED LUMINAIRE, LENGTH TO SCALE (NUMBER OF MOUNTING POINTS WILL VARY WITH THE LUMINAIRE LENGTH AND ARE NOT INDICATED)
- WALL MOUNTED VERTICALLY ORIENTED LUMINAIRE
- WALL MOUNTED RECESSED LINEAR LUMINAIRE, LENGTH TO SCALE
- EXIT SIGN, FILLED SIDES INDICATE ILLUMINATED ANNOTATION, ARROWS INDICATE DIRECTIONAL GRAPHICS
- WALL MOUNTED EXIT SIGN, FILLED SIDES INDICATE ILLUMINATED ANNOTATION, ARROWS INDICATE DIRECTIONAL GRAPHICS
- EXIT SIGN WITH EMERGENCY BATTERY PACK
- WALL MOUNTED EXIT SIGN WITH EMERGENCY BATTERY PACK
- EMERGENCY BATTERY PACK, NUMBER OF LAMPS NOT INDICATED
- WALL MOUNTED EMERGENCY BATTERY PACK, NUMBER OF LAMPS NOT INDICATED
- EMERGENCY WITH REMOTE BATTERY PACK, NUMBER OF LAMPS NOT INDICATED
- WALL MOUNTED EMERGENCY WITH REMOTE BATTERY PACK, NUMBER OF LAMPS NOT INDICATED
- RECESSED LINEAR WALL WASH LUMINAIRE, LENGTH TO SCALE
- LINEAR PENDANT MOUNTED WALL WASH LUMINAIRE, LENGTH TO SCALE
- RECESSED WALL WASH LUMINAIRE
- SURFACE MOUNTED WALL WASH LUMINAIRE
- PENDANT MOUNTED WALL WASH LUMINAIRE
- RECESSED ACCENT LUMINAIRE
- SURFACE MOUNTED ACCENT LUMINAIRE
- PENDANT MOUNTED ACCENT LUMINAIRE
- MONOPOINT LUMINAIRE
- TRACK LIGHTING
- CONTINUOUS SOURCE LUMINAIRE, PATH AS INDICATED
- MULTI-LAMP ACCENT LUMINAIRE, NUMBER OF LAMPS NOT INDICATED
- WALL MOUNTED MULTI-LAMP ACCENT LUMINAIRE, NUMBER OF LAMPS NOT INDICATED
- OVERCOUNTER TASK LUMINAIRE
- UNDERCABINET TASK LUMINAIRE
- FIBER OPTIC REMOTE SOURCE
- STEP LUMINAIRE
- ILLUMINATED SIGN
- WALL MOUNTED ILLUMINATED SIGN
- NIGHT LIGHT
- WALL MOUNTED STROBE LIGHT

**SITE/LANDSCAPE/GARAGE LUMINAIRES**

- LIGHTING STANDARD, LUMINAIRE, POLE, AND BASE
- POST TOP LUMINAIRE
- ILLUMINATED BOLLARD
- IN-GROUND LUMINAIRE
- ADJUSTABLE IN-GROUND LUMINAIRE
- PENDANT MOUNTED GARAGE LUMINAIRE
- PENDANT MOUNTED SHIELDED GARAGE LUMINAIRE, LINES INDICATE NUMBER AND POSITION OF SHIELD(S)
- SURFACE MOUNTED GARAGE LUMINAIRE
- SURFACE MOUNTED SHIELDED GARAGE LUMINAIRE, LINES INDICATE NUMBER AND POSITION OF SHIELD(S)
- WALL PACK

**RECEPTACLES**

- SINGLE RECEPTACLE, 120V
- SINGLE RECEPTACLE, 120V, CEILING MOUNTED
- DUPLEX RECEPTACLE, 120V
- DUPLEX RECEPTACLE, 120V, CEILING MOUNTED
- DOUBLE DUPLEX RECEPTACLE, 120V, CEILING MOUNTED
- SPLIT WIRED RECEPTACLE, 120V, TOP CONTROLLED, BOTTOM CONSTANTLY ENERGIZED
- RECEPTACLE, NEMA #
- RECEPTACLE, NEMA #, CEILING MOUNTED
- COMBINATION RECEPTACLE, NEMA # AND 120V
- FURNITURE SYSTEMS RECEPTACLE, 120V
- INDICATES FULLY CONTROLLED
- INDICATES 15A
- INDICATES TWIST LOCK
- INDICATES MOUNTED ABOVE COUNTER BACKSPLASH
- MULTI-SERVICE ASSEMBLY (RECEPTACLES AS INDICATED)
- MULTI-SERVICE CEILING BOX (RECEPTACLES AS INDICATED)
- MULTI-SERVICE FLOOR BOX (RECEPTACLES AS INDICATED)
- MULTI-SERVICE FURNITURE BOX (RECEPTACLES AS INDICATED)
- MULTI-SERVICE POKE THRU (RECEPTACLES AS INDICATED)
- MULTI-SERVICE POWER POLE (RECEPTACLES AS INDICATED)
- MULTI-SERVICE WALL BOX (RECEPTACLES AS INDICATED)
- PLUS STRIP (HORIZONTAL/VERTICAL)
- CLOCK RECEPTACLE, 120V
- CORD DROP, 120V
- CEILING CORD DROP, 120V

**RECEPTACLE TYPES**

- ARC FAULT CIRCUIT INTERRUPTER
- ARC FAULT CIRCUIT INTERRUPTER AND TAMPER RESISTANT
- DEDICATED CIRCUIT
- GROUND FAULT CIRCUIT INTERRUPTER
- GROUND FAULT CIRCUIT INTERRUPTER AND TAMPER RESISTANT
- ISOLATED GROUND
- SURGE PROTECTOR
- TAMPER RESISTANT
- INTEGRAL USB PORT(S)
- WEATHER RESISTANT COVER

**CONTROLS**

- NON-FUSED SAFETY SWITCH
- FUSED SAFETY SWITCH, FUSE RATING INDICATED
- COMBINATION MOTOR STARTER AND FUSED SAFETY SWITCH, FUSE RATING INDICATED
- MOTOR STARTER
- MANUAL MOTOR STARTER
- AUTOMATIC DOOR PUSHPLATE
- DEAD FRONT GFCI
- EMERGENCY SHUTDOWN
- ENCLOSED CIRCUIT BREAKER
- ENCLOSED CONTACTOR
- PUSH BUTTON CONTROL STATION
- TOGGLE SWITCH, MOTOR RATED
- TOUCHLESS AUTOMATIC DOOR OPENER
- DIRECT DIGITAL CONTROL PANEL
- RELAY
- THERMOSTAT
- TIME CLOCK
- VARIABLE FREQUENCY DRIVE

**WORK DEFINITION**

- NEW WORK
- EXISTING
- REMOVE EXISTING
- REMOVE EXISTING ELECTRICAL EQUIPMENT
- FUTURE
- TEMPORARY, AS NOTED
- KEY NOTE
- EQUIPMENT IDENTIFICATION

**RACEWAYS**

- RACEWAY CONCEALED IN CEILING OR WALL, EXPOSED
- RACEWAY IS ALLOWED ONLY WHERE NOTED
- RACEWAY BELOW SLAB OR UNDERGROUND
- RACEWAY UP
- RACEWAY DOWN
- RACEWAY CONTINUATION
- RACEWAY STUB-OUT WITH BUSHING
- SURFACE RACEWAY (HORIZONTAL/VERTICAL)
- JUNCTION BOX, CEILING OR ABOVE CEILING MOUNTED
- JUNCTION BOX, WALL MOUNTED
- JUNCTION BOX, IN-GROUND
- PULL BOX

**ELECTRICAL EQUIPMENT**

- 208V OR 240V POWER PANELBOARD
- 480V OR 600V POWER PANELBOARD
- EQUIPMENT CABINET OR PANEL
- EQUIPMENT CONNECTION, FILL INDICATES EMERGENCY CIRCUIT
- GROUND BAR
- MOTOR CONNECTION, 1Ø
- MOTOR CONNECTION, 3Ø
- BUS DUCT
- AUTOMATIC TRANSFER SWITCH
- BUS DUCT FLUG
- SURGE PROTECTIVE DEVICE
- TRANSFORMER, NOT TO SCALE
- TRANSFORMER, DRAWN TO SCALE

**SITE UTILITIES**

- HANDHOLE
- SITE METER
- MANHOLE
- PRIMARY MANHOLE
- SECONDARY MANHOLE
- TELECOMMUNICATIONS MANHOLE

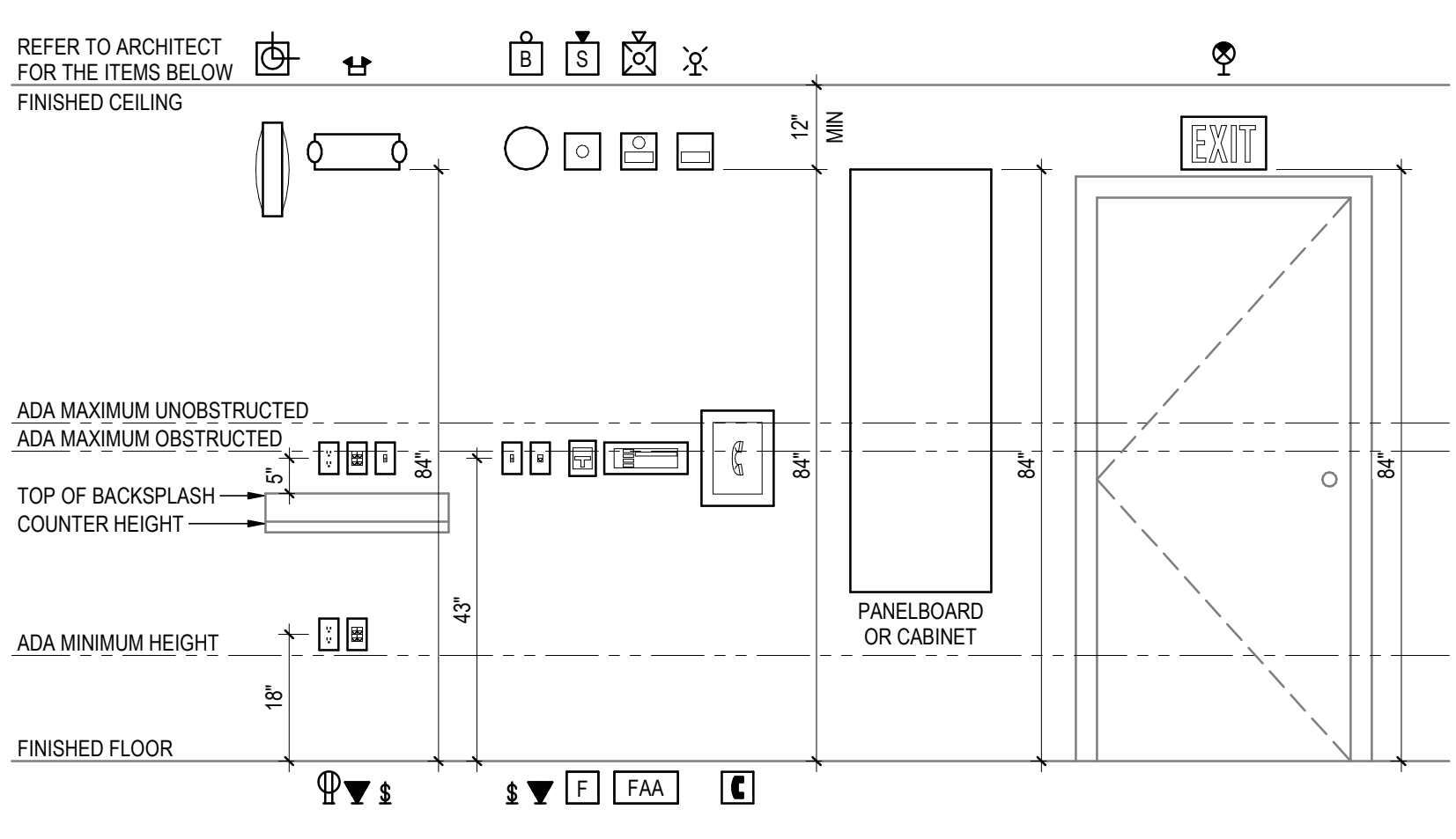
**SITE UTILITY POLES**

- CATV ONLY
- COMBINED SERVICES
- POWER ONLY
- TELECOM ONLY
- STEPDOWN TRANSFORMER, POLE MOUNTED

**LIGHTNING PROTECTION**

- CONDUCTOR
- GROUND ROD
- AIR TERMINAL
- DOWN CONDUCTOR

**STANDARD MOUNTING HEIGHTS**



**STANDARD MOUNTING HEIGHTS**  
 1/2" = 1'-0"

4625 Location in Project Information  
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NO.	DATE	BY	CHKD.	DESCRIPTION
2	PLANNING BOARD SUBMISSION	HSB	RJW	2023.06.07
1	FOR OWNERS REVIEW	HSB	RJW	2023.04.05
0	ISSUED FOR PERMIT	HSB	RJW	2023.02.22
Issued/Revision				By App'd YYYY.MM.DD
File Name: N/A				W.M. HSB R.J.W. 2023.08.12 Dwn. Dgn. Ckd. YYYY.MM.DD

Permit/Seal



Client/Project Logo



Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

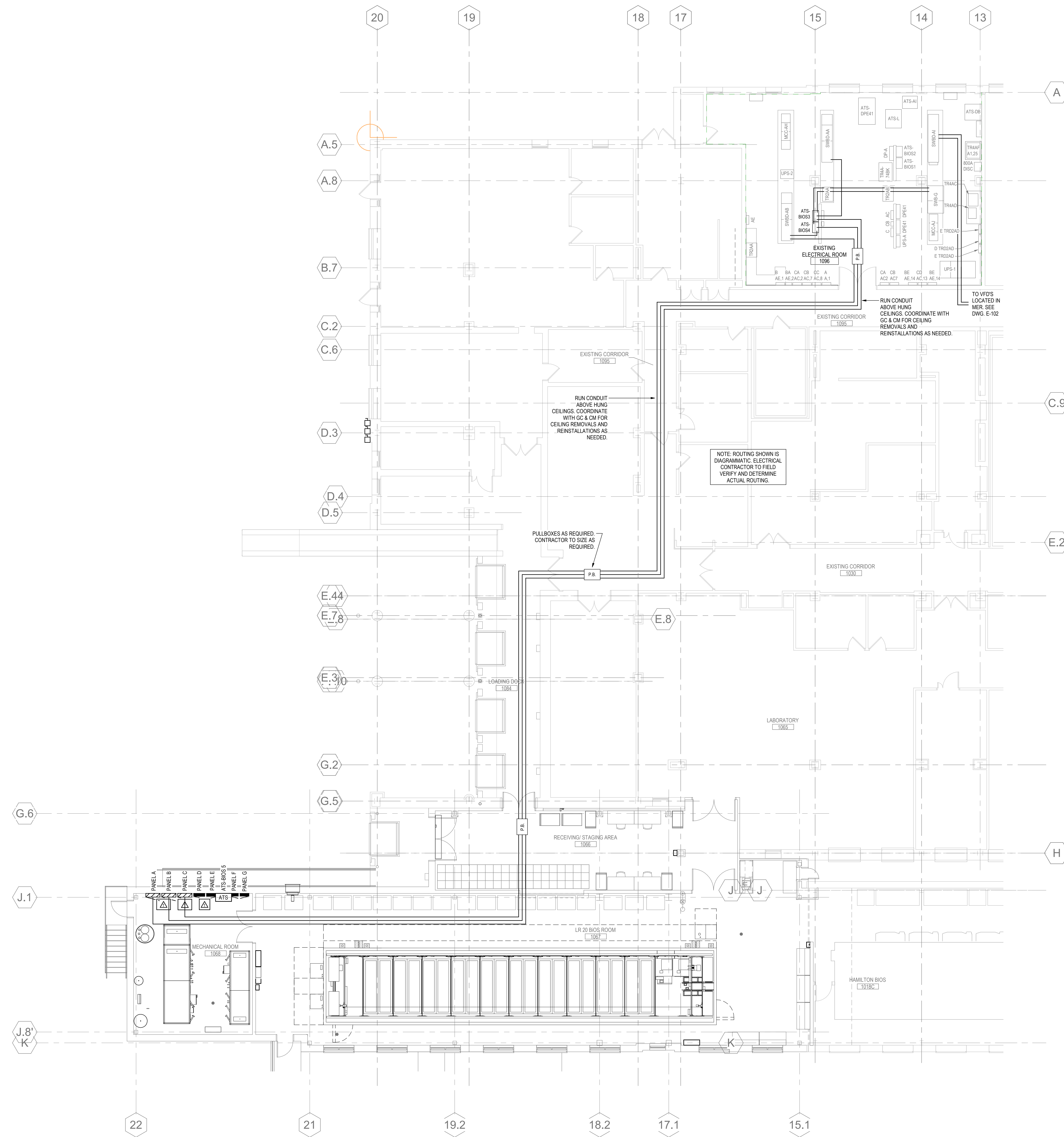
Pearl River, NY

Title  
ELECTRICAL LEAD SHEET

Project No. 191501254	Scale As indicated
Revision 2	Drawing No. <b>E-001</b>

**GENERAL NOTES:**

1. THE SERVICE FOR THIS SYSTEM IS 480 VOLT, 3Ø, 4 WIRE, 60HZ AND 208Y/120V, 3Ø, 4 WIRE, 60HZ.
2. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT.
3. REFER TO POWER PLAN ON DRAWING E-101 FOR DETAILED INFORMATION WITHIN THE AREA OF WORK.
4. REFER TO RISER DIAGRAM ON DRAWING E-601 FOR WIRE & CONDUIT SIZES OF MAJOR FEEDERS.
5. 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.
6. 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.
7. CONDUIT FITTINGS INSTALLED IN WET AREAS SHALL HAVE NEOPRENE GASKET AND BE RATED FOR THE ENVIRONMENT.
8. ON SHARED PIPE RACKS, ALL ELECTRICAL CONDUITS SHALL BE RUN ABOVE PIPING.
9. 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.
10. 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.
11. SEAL ALL WALL AND FLOOR PENETRATIONS WITH APPROVED CALKING OR FIRESTOPPING. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.
12. 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.
13. CONTRACTOR SHALL PROVIDE ALONG PIPE RACK PULL BOXES FOR ELECTRICAL CONDUITS AS REQUIRED BY CODE.
14. PROVIDE EXPANSION/DEFLECTION FITTINGS FOR ALL RACEWAYS CROSSING BUILDING EXPANSION JOINTS.
15. 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.
16. 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"

Rev	Description	By	App'd	Date
2	PLANNING BOARD RESUBMISSION	HB	RJW	2023.06.07
1	FOR OWNERS REVIEW	HB	RJW	2023.04.05
0	ISSUED FOR PERMIT	HB	RJW	2023.02.22
Issued/Revision		By	App'd	YYYY.MM.DD
File Name: N/A	W/M	HB	RJW	2023.05.12
	Drawn	Dgn	Chg	YYYY.MM.DD

Permit/Seal



Client/Project Logo



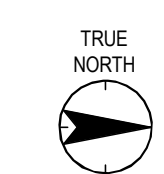
Client/Project  
Pfizer Global Research and Development

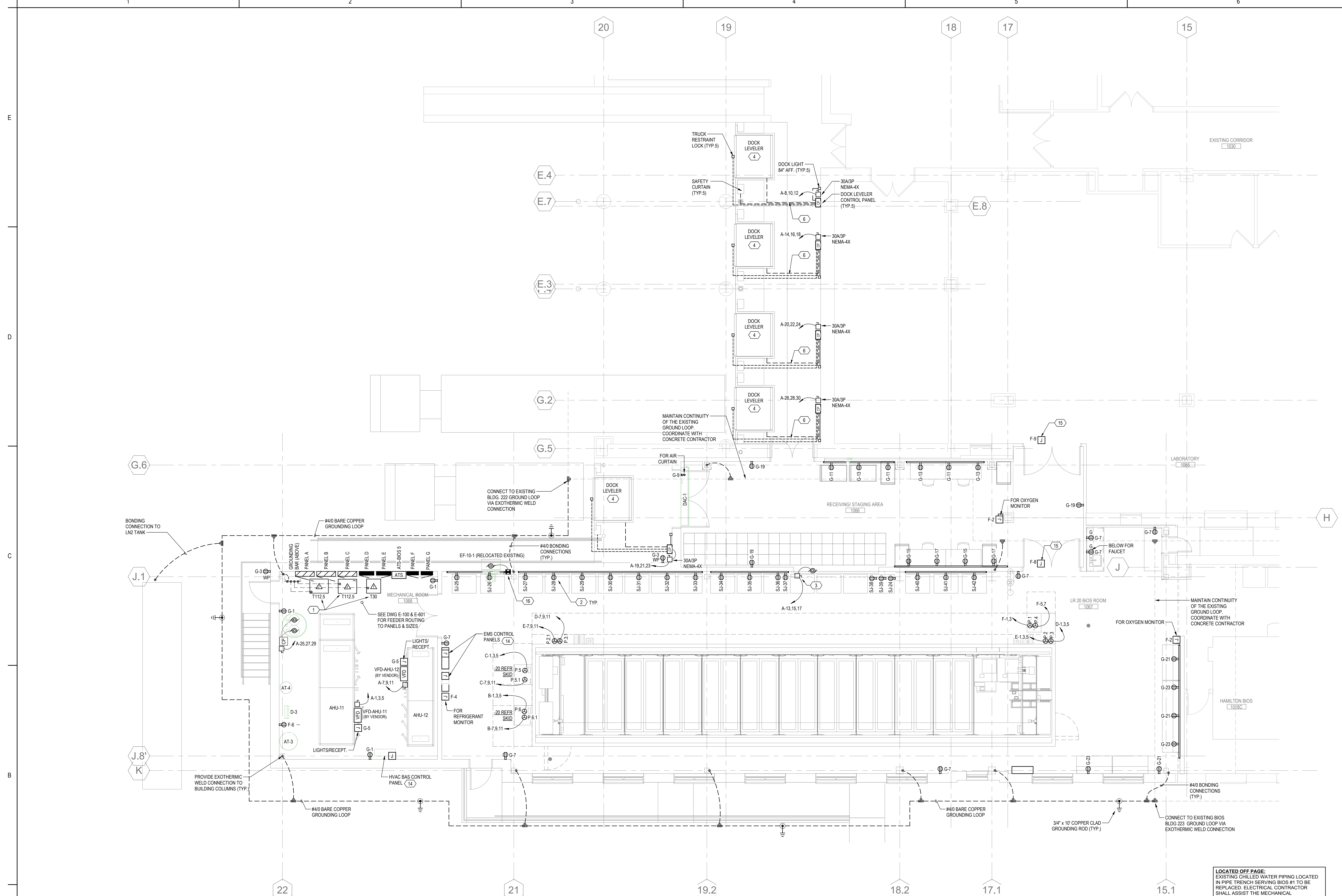
Hamilton BiOS #2 Addition

Pearl River, NY

Title  
FIRST FLOOR CONDUIT ROUTING PLAN

Project No. 191501254	Scale 1/8" = 1'-0"
Revision 2	Drawing No. E-100





- 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. (OR 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 INTERFERENCES 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-201 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 TRAPEZE MOUNTED TRANSFORMER SUSPENDED ABOVE ASSOCIATED PANELBOARD, WITH A MINIMUM OF 8" 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.
  - PROVIDE & INSTALL ALL POWER & CONTROL WIRING, CONDUIT & DEVICES ASSOCIATED WITH NEW ROLL-UP DOOR. COORDINATE WORK WITH DOOR VENDOR/INSTALLER.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ROUGH-INS AND ALL ASSOCIATED INTERCONNECTING WIRING & CONDUIT FOR NEW DOCK LEVELER AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S LITERATURE AND SHOP DRAWINGS. PROVIDE 480V POWER CIRCUIT AS SHOWN, SEE ARCHITECTURAL DRAWING A-101 FOR DIMENSIONED LOCATIONS OF COMPONENTS.
  - PROVIDE ROUGH-INS AND TRENCH EXISTING LOADING DOCK SLAB TO ROUTE CONDUIT BETWEEN LEVELER COMPONENTS AND ASSOCIATED CONTROL PANEL. COORDINATE WITH GC TO PATCH AND RESTORE EXISTING CONCRETE FINISHES.
  - PROVIDE 120V UPS POWER FROM NEAREST EXISTING 120V UPS PANELBOARD. COORDINATE EXACT REQUIREMENTS WITH EMB VENDOR.
  - 120V POWER TO MOTORIZED DOOR.
  - NEW LOCATION FOR RELOCATED EXHAUST FAN AND ASSOCIATED STARTER. ELECTRICAL CONTRACTOR TO EXTEND EXISTING WIRING AND CONDUIT AS REQUIRED TO NEW LOCATION.

**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	-80C REFRIGERATION (A) PRIMARY BAYS 1-10	60 A	80 A	208 V	3
P.2.1	-80C REFRIGERATION (A) PRIMARY BAYS 11-20	60 A	80 A	208 V	3
P.3	-80C REFRIGERATION (B) SECONDARY BAYS 1-10	60 A	80 A	208 V	3
P.3.1	-80C REFRIGERATION (B) SECONDARY BAYS 11-20	60 A	80 A	208 V	3
P.4	REFRIGERATION EXECUTIVE CONTROLLER	70 A	80 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

**LOCATED OFF PAGE:**  
EXISTING CHILLED WATER PIPING LOCATED IN PIPE TRENCH SERVING BIOS#1 TO BE REPLACED. ELECTRICAL CONTRACTOR SHALL ASSIST THE MECHANICAL CONTRACTOR WITH REMOVAL AND INSTALLATION OF NEW HEAT TRACE CABLING AND ACCESSORIES AS REQUIRED. UTILIZE EXISTING POWER SOURCE & COORDINATE BREAKER REQUIREMENTS WITH EQUIPMENT SHOP DRAWINGS.

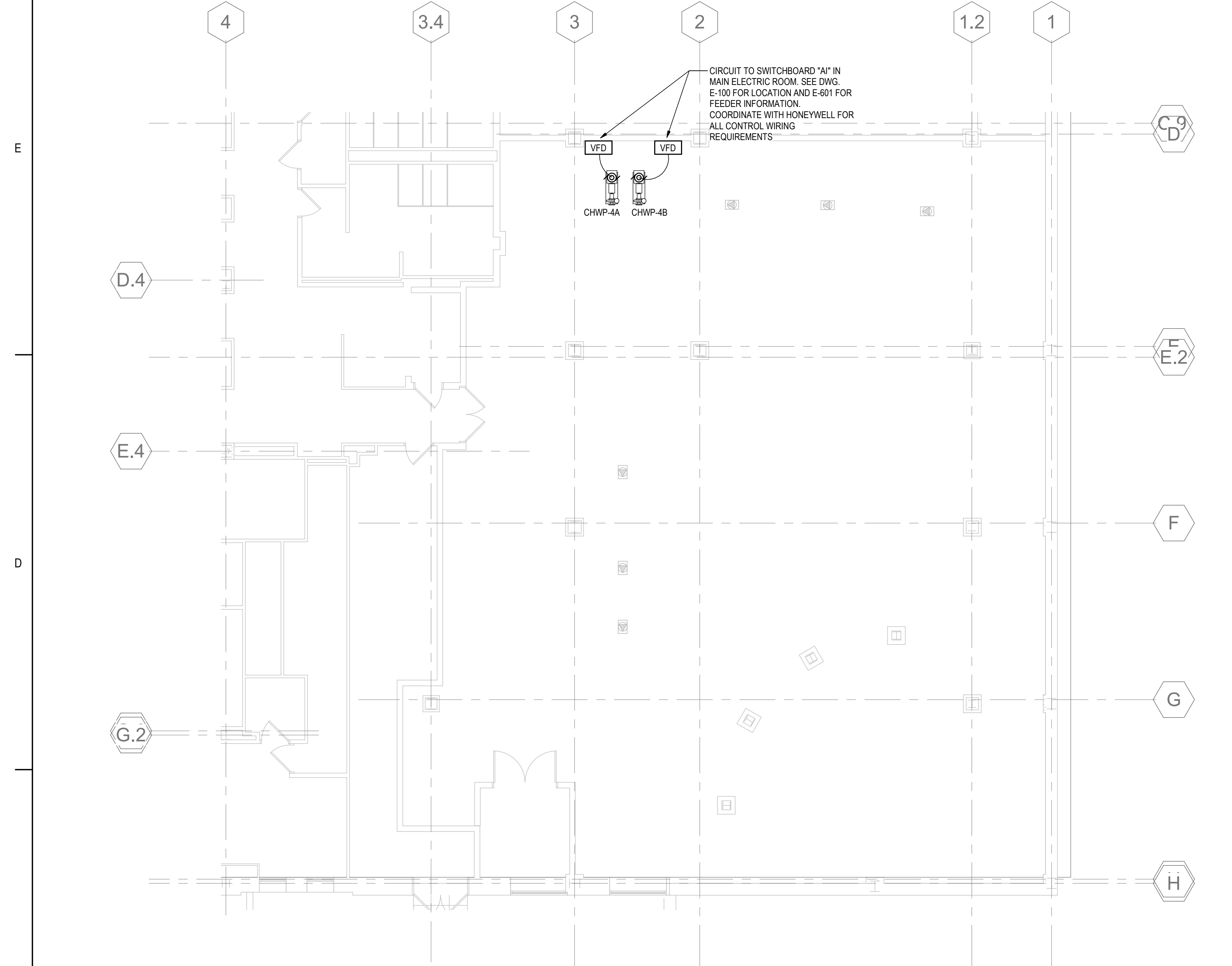
**1 PARTIAL FIRST FLOOR POWER PLAN**  
E-101 3/16" = 1'-0"

File Name	W/M	H/SB	R/W	2023.02.21
N/A				YYYYMMDD



Client/Project Logo  
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  
2  
Drawing No.  
E-101





**1 PARTIAL FIRST FLOOR POWER PLAN-BLDG 222 MER**  
E-102 1/8" = 1'-0"


0	PLANNING BOARD RESUBMISSION	By	HW	2023.06.07
Issued/Revision		Appd	YYYY.MM.DD	
File Name: N/A		W/M	HW	2023.06.12
		Dwn	Chg	YYYY.MM.DD



Client/Project Logo



Client/Project  
Pfizer Global Research and Development

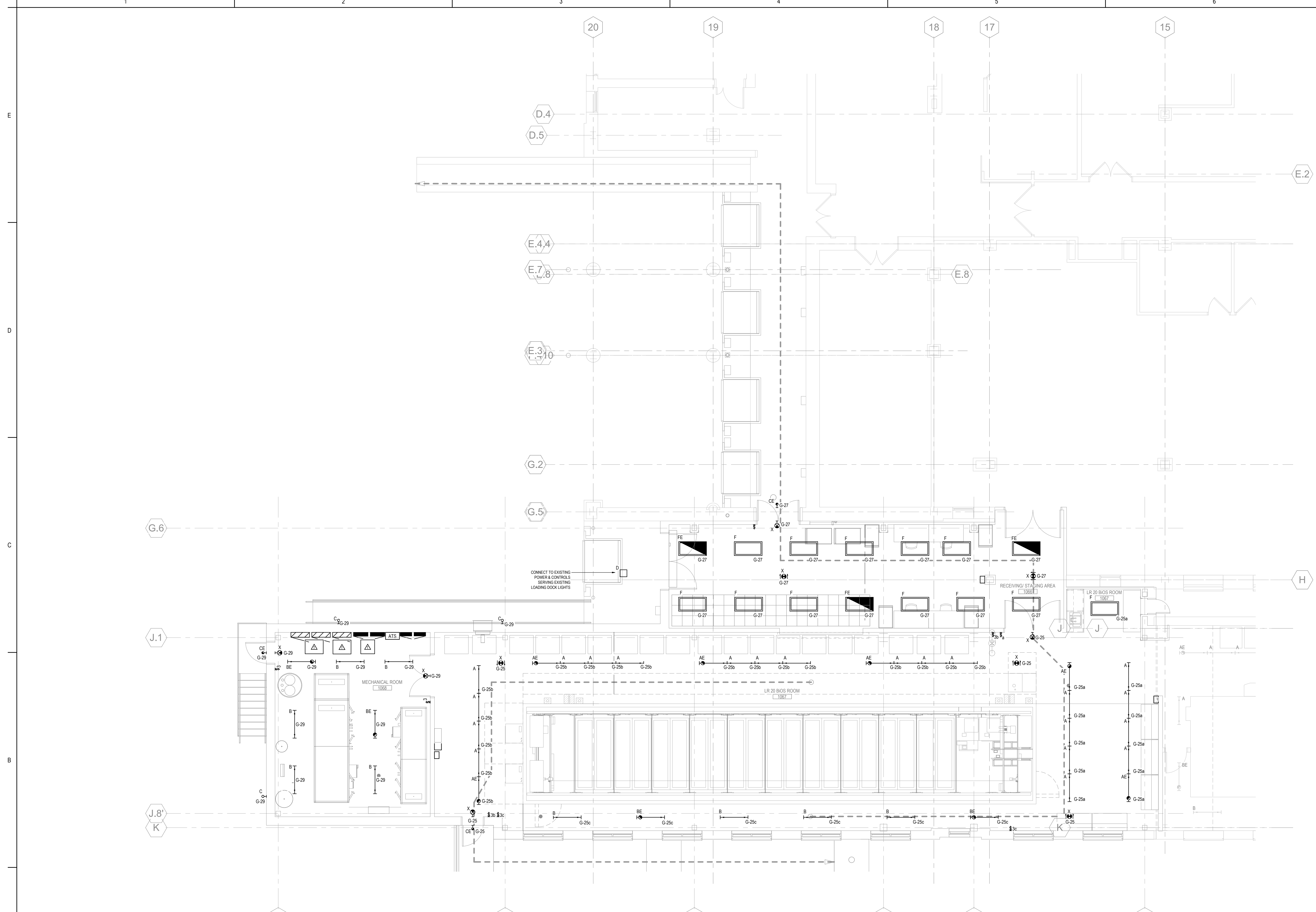
Hamilton BiOS #2 Addition

Pearl River, NY

Title  
PARTIAL FIRST FLOOR PLAN - BLDG  
222 MER

Project No. 191501254	Scale 1/8" = 1'-0"
Revision 0	Drawing No. <b>E-102</b>

#652 Location in Project Information  
 11/15/2023 12:25:29 PM  
 ORIGINAL SHEET - ARCH E1



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

- 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, 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.
  - 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 CALKING OR FIRESTOPPING. FOLLOW MANUFACTURERS' INSTALLATION INSTRUCTIONS.
  - 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.

2	PLANNING BOARD RESUBMISSION	HSB	RJW	2023.06.07
1	FOR OWNERS REVIEW	HSB	RJW	2023.04.05
0	ISSUED FOR PERMIT	HSB	RJW	2023.02.22
Issued/Revision		By	App'd	YYYY.MM.DD
File Name: N/A		WM	HSB	RJW
		Dwn	Dgn	Chg
				2023.08.12
				YYYY.MM.DD



Client/Project Logo



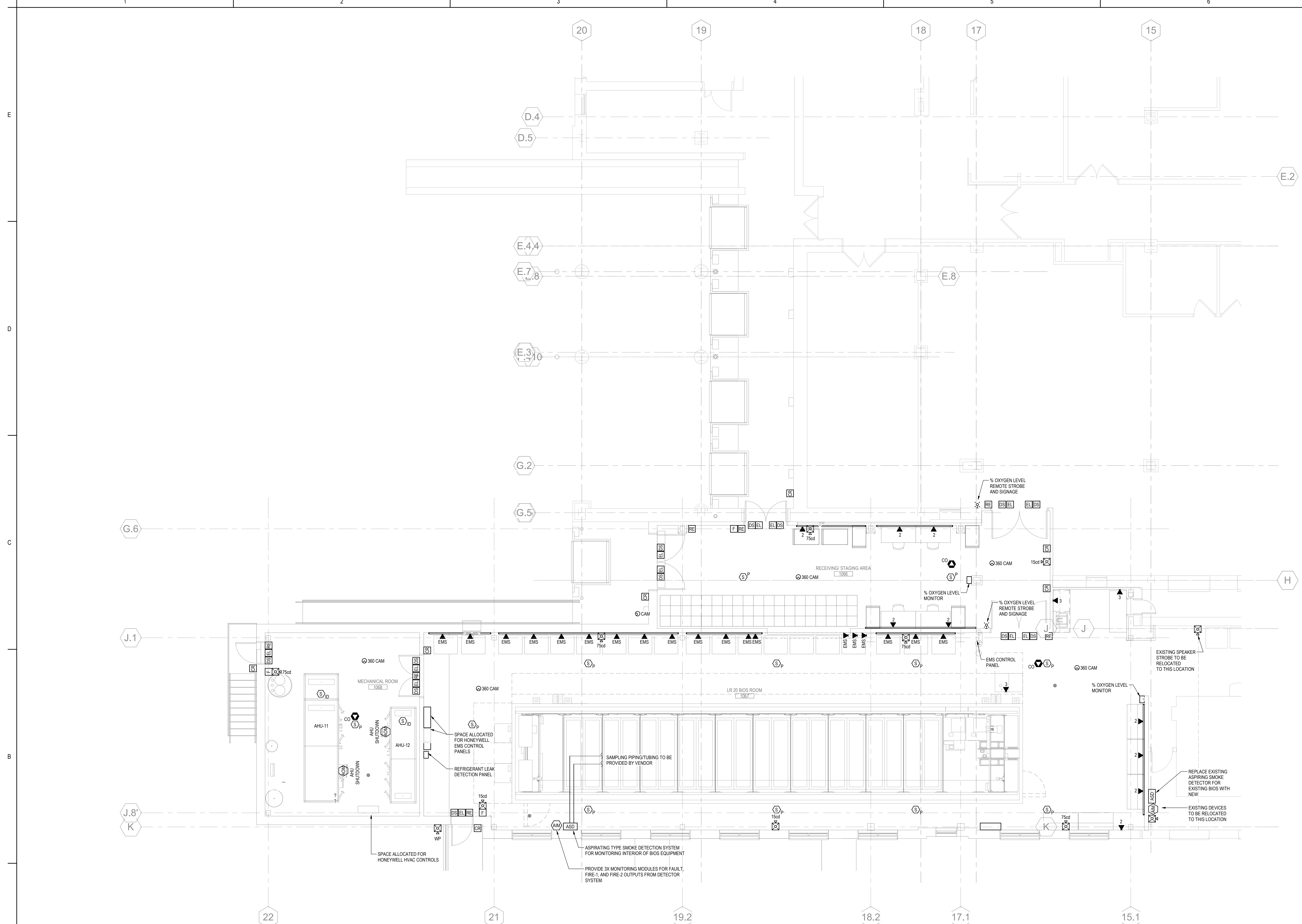
Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
PARTIAL FIRST FLOOR LIGHTING PLAN

Project No. 191501254 Scale 3/16" = 1'-0"  
Revision Drawing No. **E-201**  
2



**GENERAL NOTES (FIRE ALARM):**

1. NEW DEVICES SHOWN SHALL BE AN EXTENSION OF THE EXISTING BUILDING 222 AND EXISTING BIOS FIRE ALARM SYSTEM. FIRE ALARM VENDOR SHALL IDENTIFY ALL REQUIRED TIE-IN LOCATIONS AS REQUIRED, AND SHALL BE RESPONSIBLE FOR ALL BATTERY AND VOLTAGE DROP CALCULATIONS, BOOSTER PANEL SIZING, COMPLETE SHOP DRAWING PACKAGE, ETC.
2. 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.
3. PROVIDE ALL NECESSARY EQUIPMENT, DEVICES, WIRING, PROGRAMMING, ETC. REQUIRED TO MAKE THE INSTALLATION COMPLETE AND IN CONFORMANCE WITH ALL CODES.
4. ALL FIRE ALARM DEVICES SHALL BE TESTED & ADJUSTED TO WORK PROPERLY AND LEFT IN PERFECT OPERATING CONDITION.
5. ACTIVATION OF DUCT DETECTOR OR ANY OTHER DETECTOR SHALL IMMEDIATELY AND COMPLETELY SHUT DOWN THE VENTILATION SYSTEM. MANUAL OPERATION REQUIRED FOR RESTARTING UNIT.
6. MAXIMUM OF TWO DUCT DETECTORS PERMITTED TO BE PROGRAMMED IN EACH ZONE.
7. FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL FAULT ISOLATOR MODULES BETWEEN GROUPS OF ADDRESSABLE DEVICES AS REQUIRED.
8. MAGLOCKS SHALL DEENERGIZE UPON BUILDING FIRE ALARM CONDITION.

**GENERAL NOTES (SECURITY):**

1. UNLESS OTHERWISE DIRECTED BY THE SECURITY VENDOR, ACCESS CONTROL WIRING SHALL BE MULTI-CONDUCTOR CABLE DESIGNED FOR THE PURPOSE USED, AND SHALL BE PLENUM RATED.
2. ALL ACCESS CONTROL WIRING SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE CONCEALED IN WALLS OR ROUTED ABOVE CEILING.
3. PROVIDE J HOOKS, CABLE TRAYS, OR SIMILAR APPROVED MEANS TO PROPERLY SUPPORT ALL EXPOSED RUN CABLES.
4. SECURITY VENDOR SHALL PROVIDE ALL NECESSARY EQUIPMENT, DEVICES, WIRING, ETC. REQUIRED TO MAKE THE INSTALLATION COMPLETE.
5. IN ADDITION TO ALL HARDWARE, PROVIDE ALL SOFTWARE, LICENSES (IF REQUIRED) AND INTEGRATION SERVICES NEEDED TO INCORPORATE THE NEW WORK INTO THE EXISTING FACILITY SYSTEMS.
6. ALL CCTV CAMERAS, NVRS ETC SHALL BE FURNISHED BY THE SECURITY VENDOR. SPECIFIC TYPES USED AND FINAL LOCATIONS TO BE COORDINATED DIRECTLY WITH PFIZER.
7. WIRING TO CCTV CAMERAS SHALL BE CAT-6A UNLESS OTHERWISE DIRECTED BY PFIZER.
8. SECURITY VENDOR SHALL GENERATE COMPLETE DESIGN SHOP DRAWINGS FOR PFIZER AND ENGINEERS REVIEW.

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

2	PLANNING BOARD RESUBMISSION	HSB	RJW	2023.06.07
1	FOR OWNERS REVIEW	HSB	RJW	2023.04.05
0	ISSUED FOR PERMIT	HSB	RJW	2023.02.22
Issued/Revision		By	App'd	YYYY.MM.DD
File Name: N/A		W/M	HSB	RJW
		Dwn	Djgn	Chng
				2023.08.12
				YYYY.MM.DD

Permit/Seal



Client/Project Logo



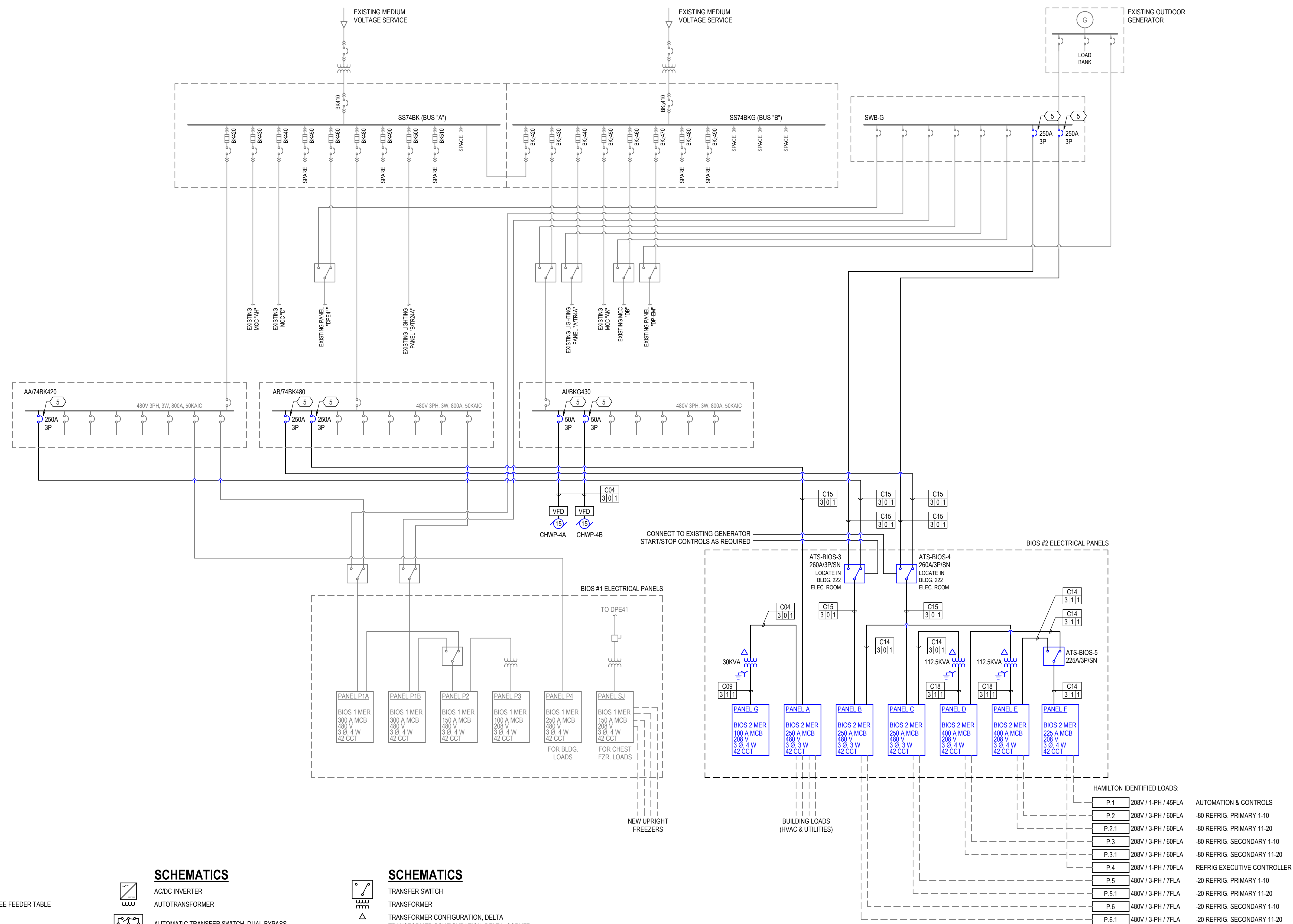
Client/Project  
Pfizer Global Research and Development

Hamilton BiOS #2 Addition

Pearl River, NY

Title  
**PARTIAL FIRST FLOOR SYSTEMS PLAN**

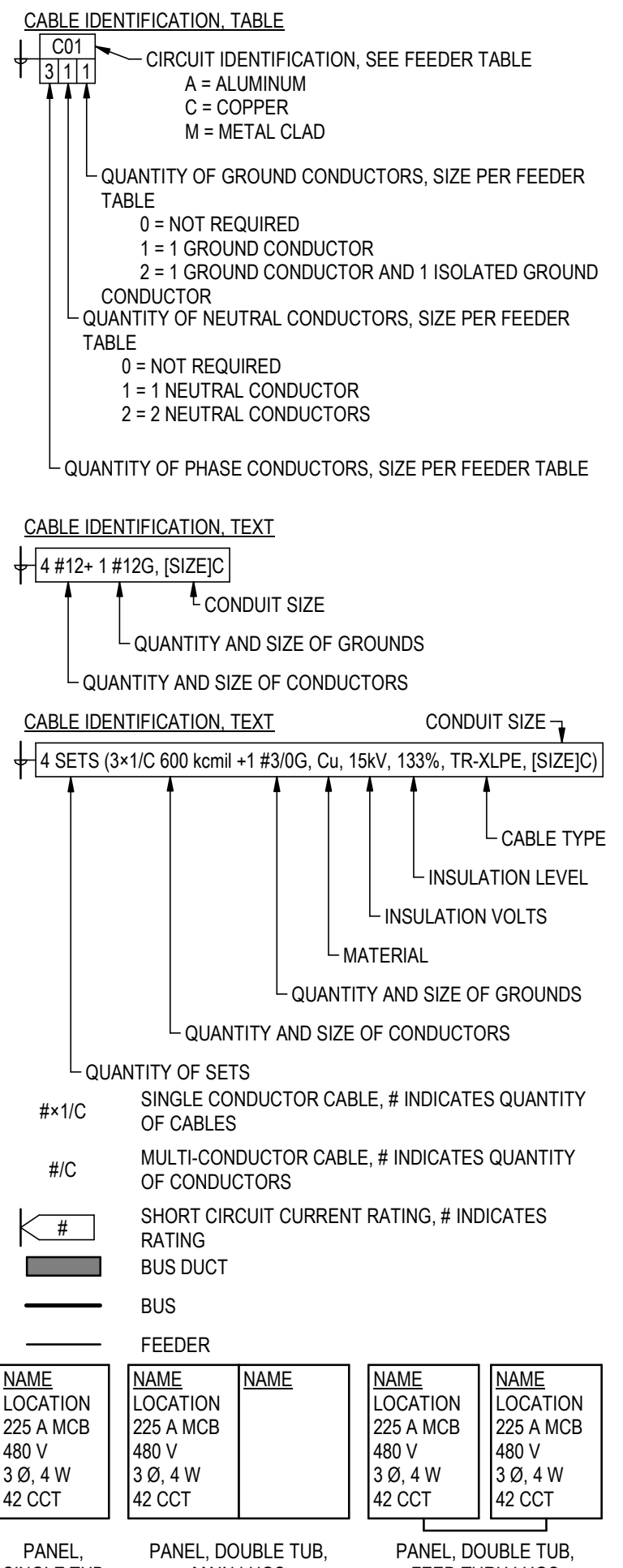
Project No. 191501254	Scale 3/16" = 1'-0"
Revision 2	Drawing No. <b>E-301</b>



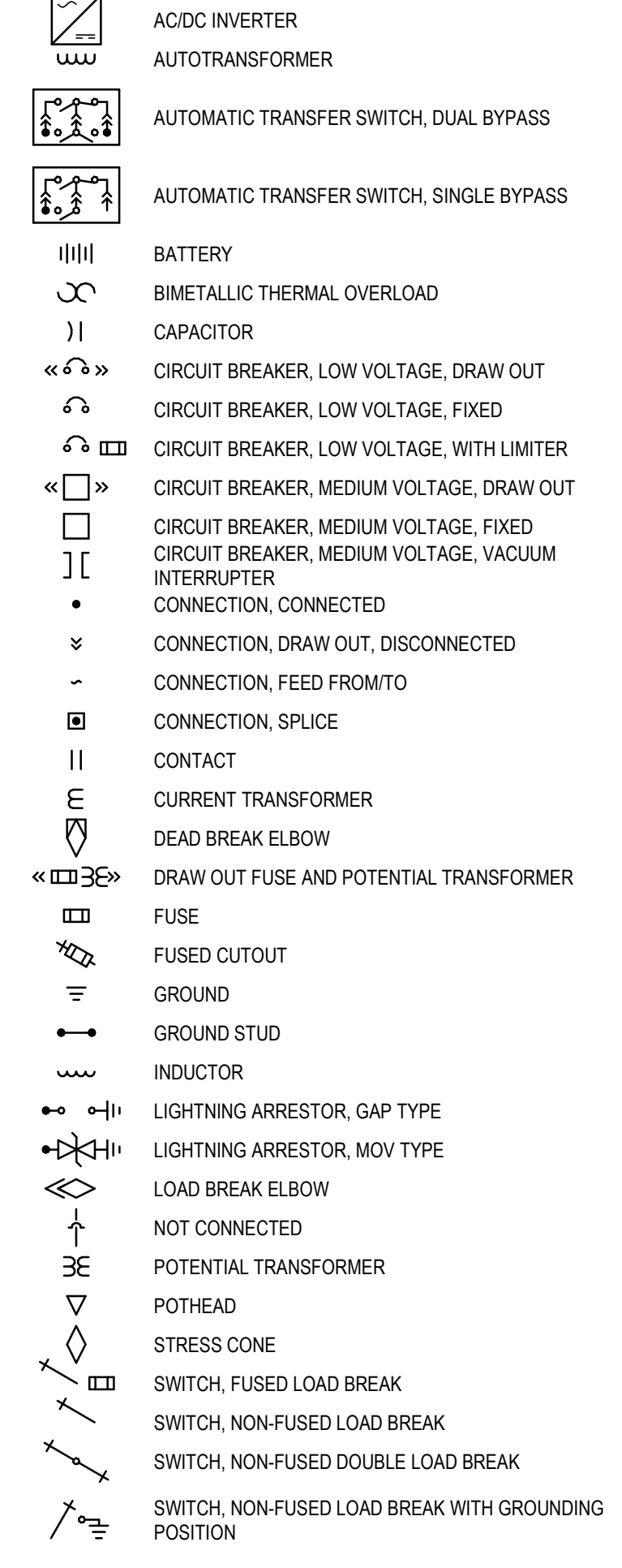
**HAMILTON IDENTIFIED LOADS:**

P.1	208V / 1-PH / 45FLA	AUTOMATION & CONTROLS
P.2	208V / 3-PH / 60FLA	-80 REFRIG. PRIMARY 1-10
P.2.1	208V / 3-PH / 60FLA	-80 REFRIG. PRIMARY 11-20
P.3	208V / 3-PH / 60FLA	-80 REFRIG. SECONDARY 1-10
P.3.1	208V / 3-PH / 60FLA	-80 REFRIG. SECONDARY 11-20
P.4	208V / 1-PH / 70FLA	REFRIG EXECUTIVE CONTROLLER
P.5	480V / 3-PH / 7FLA	-20 REFRIG. PRIMARY 1-10
P.5.1	480V / 3-PH / 7FLA	-20 REFRIG. PRIMARY 11-20
P.6	480V / 3-PH / 7FLA	-20 REFRIG. SECONDARY 1-10
P.6.1	480V / 3-PH / 7FLA	-20 REFRIG. SECONDARY 11-20

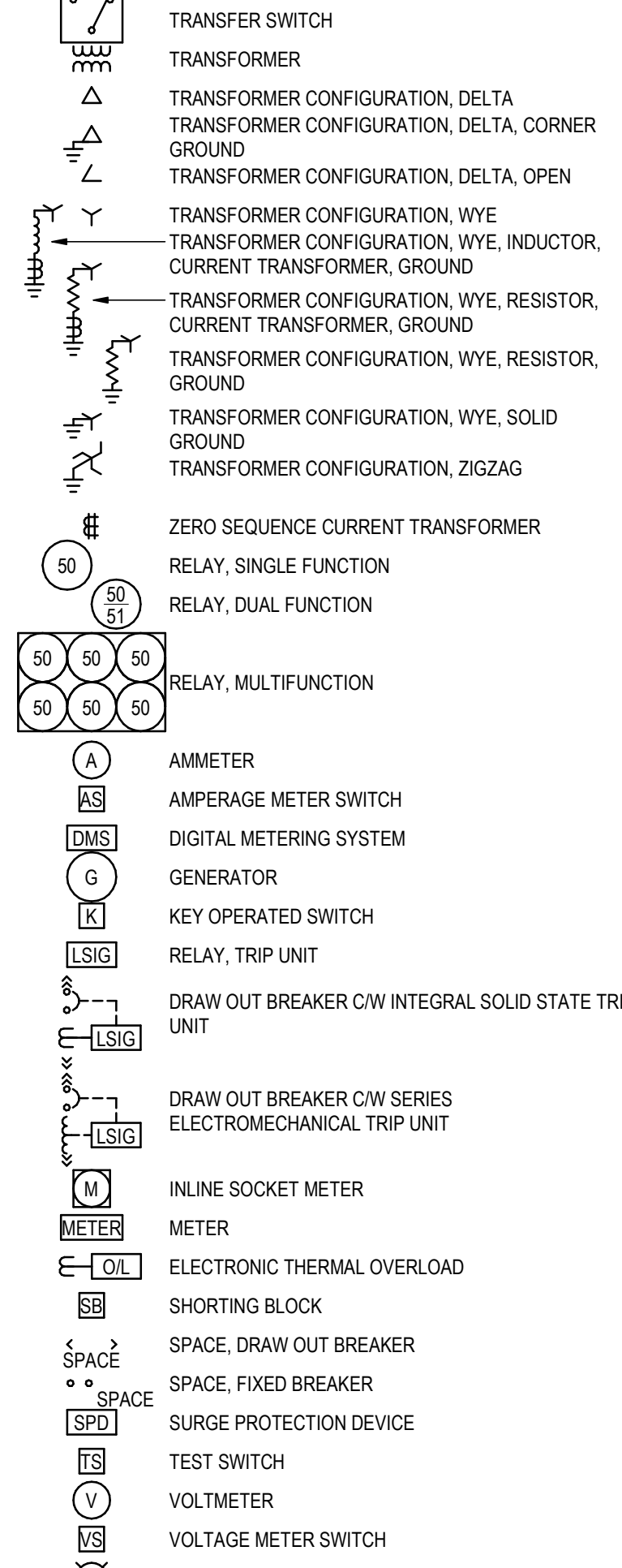
**SCHEMATICS**



**SCHEMATICS**



**SCHEMATICS**



**ONE-LINE DIAGRAM**  
Scale: none

**KEYNOTES**  
5 FURNISH AND INSTALL NEW BREAKER IN EXISTING PANEL BREAKER SHALL BE COMPATIBLE WITH PANEL AND MATCH OR EXCEED THE EXISTING KAIC RATINGS.

**COPPER FEEDERS**

ID	NOMINAL CIRCUIT RATING	SETS	CONDUCTORS	GROUND	CONDUIT W/ (4W)	CONDUIT W/ (3W)
C01	20	1	#12	#12	3/4"	3/4"
C02	30	1	#10	#10	3/4"	3/4"
C03	40	1	#8	#10	3/4"	3/4"
C04	450	1	#6	#10	1"	3/4"
C05	60	1	#4	#10	1 1/4"	1"
C06	70	1	#4	#8	1 1/4"	1 1/4"
C07	80	1	#3	#8	1 1/4"	1 1/4"
C08	80	1	#2	#8	1 1/2"	1 1/4"
C09	100	1	#1	#8	1 1/2"	1 1/2"
C10	125	1	#1	#6	1 1/2"	1 1/2"
C11	150	1	#10	#6	2"	1 1/2"
C12	175	1	#20	#6	2"	2"
C13	200	1	#50	#6	2"	2"
C14	225	1	#40	#4	2 1/2"	2"
C15	250	1	250 kcmil	#4	3"	2 1/2"
C16	300	1	350 kcmil	#4	3"	2 1/2"
C17	350	1	500 kcmil	#3	3 1/2"	3"
C18	400	1	500 kcmil	#3	3 1/2"	3"
C19	450	2	#40	#2	2 1/2"	2"
C20	500	2	250 kcmil	#2	3"	2 1/2"
C21	600	2	350 kcmil	#1	3"	2 1/2"
C22	800	2	500 kcmil	#10	3 1/2"	3"
C23	900	3	350 kcmil	#20	3"	3"
C24	1000	3	500 kcmil	#20	3 1/2"	3"
C25	1200	4	350 kcmil	#30	3"	3"
C26	1600	5	500 kcmil	#40	3 1/2"	3"
C27	2000	6	500 kcmil	250 kcmil	3 1/2"	3"
C28	2500	7	500 kcmil	350 kcmil	3 1/2"	3 1/2"
C29	3000	8	500 kcmil	500 kcmil	4"	3 1/2"
C30	4000	11	500 kcmil	500 kcmil	4"	3 1/2"

2	PLANNING BOARD SUBMISSION	HSB	R/W	2023.06.07
1	FOR OWNER REVIEW	HSB	R/W	2023.04.05
0	ISSUED FOR PERMIT	HSB	R/W	2023.02.22
	Issued/Revision	By	App'd	YYYY.MM.DD

Permit/Seal



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

Title  
**ELECTRICAL ONE-LINE DIAGRAM**

Project No. 191501254 Scale: none  
Revision 2 Drawing No. **E-601**

**Panel**  
Name: A  
Location: MECHANICAL ROOM 1068  
Supply From: SWBD AB  
Serves:  
Notes:

Volts: 480V  
Phases: 3  
Wires: 3  
Mains Type: MCB  
Mains Rating: 400 A  
MCB Rating: 250 A  
Lugs: Single Lugs  
Type: Sq-D I-Line HCM  
AIC Rating: 35,000  
Mounting: Surface  
Enclosure: Type 1

CKT	Circuit Description	Tripp	Poles	CB	A	B	C	CB	Poles	Tripp	Circuit Description	CKT
1	AHU-11	110A	3		19260	3566	19260	1834		3	50 A PANEL G VIA 30KVA XFMR	2
3												4
5												6
7	AHU-12	15A	3		1607	1000	1607	1000		3	20 A DOCK LEVELER BLDG 222	8
9												10
11												12
13	ROLL UP DOOR	15A	3		305	1000	305	1000		3	20 A DOCK LEVELER BLDG 222	14
15												16
17												18
19	DOCK LEVELER BIOS	20A	3		1000	1000	1000	1000		3	20 A DOCK LEVELER BLDG 222	20
21												22
23												24
25	EJECTOR PUMP	20A	3		1607	1000	1607	1000		3	20 A DOCK LEVELER BLDG 222	26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
<b>Total Load:</b>					31.76 kVA	28.61 kVA	29.54 kVA					
<b>Total Amps:</b>					115 A	107 A	107 A					

**Load Classification**  
Equipment  
Lighting  
Motor  
Other  
Power  
Receptacle

**Panel Totals**  
Total Conn. Load: 90916 VA  
Total Est. Demand: 91645 VA  
Total Conn.: 109 A  
Total Est. Demand: 110 A

**CB Legend (blank = circuit breaker):**  
G = GFCI S = Shunt Trip D = Switching Duty A = AFCI H = HID Rated C = HACR Rated † = Existing Circuit ‡ = Revised Circuit

**Panel**  
Name: B  
Location: MECHANICAL ROOM 1068  
Supply From: SWBD AA / GEN VIA ATS  
Serves:  
Notes:

Volts: 480V  
Phases: 3  
Wires: 3  
Mains Type: MCB  
Mains Rating: 400 A  
MCB Rating: 250 A  
Lugs: Single Lugs  
Type: Sq-D I-Line HCM  
AIC Rating: 35,000  
Mounting: Surface  
Enclosure: Type 1

CKT	Circuit Description	Tripp	Poles	CB	A	B	C	CB	Poles	Tripp	Circuit Description	CKT
1	-20 REFRIG. SECONDARY 1-10	15A	3		1940	26370	1940	19300		3	225 A 112.5KVA XFMR - PANEL E	2
3												4
5												6
7	-20 REFRIG. SECONDARY 11-20	15A	3		1940		1940	21870				8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
<b>Total Load:</b>					30.25 kVA	22.97 kVA	25.75 kVA					
<b>Total Amps:</b>					111 A	83 A	94 A					

**Load Classification**  
Equipment  
Power  
Receptacle

**Panel Totals**  
Total Conn. Load: 78970 VA  
Total Est. Demand: 78970 VA  
Total Conn.: 95 A  
Total Est. Demand: 95 A

**CB Legend (blank = circuit breaker):**  
G = GFCI S = Shunt Trip D = Switching Duty A = AFCI H = HID Rated C = HACR Rated † = Existing Circuit ‡ = Revised Circuit

**Panel**  
Name: C  
Location: MECHANICAL ROOM 1068  
Supply From: SWBD AB / GEN VIA ATS  
Serves:  
Notes:

Volts: 480V  
Phases: 3  
Wires: 3  
Mains Type: MCB  
Mains Rating: 400 A  
MCB Rating: 250 A  
Lugs: Single Lugs  
Type: Sq-D I-Line HCM  
AIC Rating: 35,000  
Mounting: Surface  
Enclosure: Type 1

CKT	Circuit Description	Tripp	Poles	CB	A	B	C	CB	Poles	Tripp	Circuit Description	CKT
1	-20 REFRIG. SKID PRIMARY 1-10...	15A	3		1940	14410	1940	14410		3	225 A 112.5KVA XFMR - PANEL D	2
3												4
5												6
7	-20 REFRIG. SKID PRIMARY 11-20	15A	3		1940		1940	14410				8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
<b>Total Load:</b>					18.29 kVA	18.29 kVA	18.29 kVA					
<b>Total Amps:</b>					66 A	66 A	66 A					

**Load Classification**  
Equipment

**Panel Totals**  
Total Conn. Load: 54870 VA  
Total Est. Demand: 54870 VA  
Total Conn.: 66 A  
Total Est. Demand: 66 A

**CB Legend (blank = circuit breaker):**  
G = GFCI S = Shunt Trip D = Switching Duty A = AFCI H = HID Rated C = HACR Rated † = Existing Circuit ‡ = Revised Circuit

**Panel**  
Name: D  
Location: MECHANICAL ROOM 1068  
Supply From: T112.5  
Serves:  
Notes:

Volts: 208Y120V  
Phases: 3  
Wires: 4  
Mains Type: MCB  
Mains Rating: 400 A  
MCB Rating: 400 A  
Lugs: Single Lugs  
Type: Sq-D I-Line HCM  
AIC Rating: 10,000  
Mounting: Surface  
Enclosure: Type 1

CKT	Circuit Description	Tripp	Poles	CB	A	B	C	CB	Poles	Tripp	Circuit Description	CKT
1	P.3 -80 REFRIG. SECONDARY 1-10	80A	3		7205	0	7205	0		3	225 A ATS SOURCE 1 - PANEL F	2
3												4
5												6
7	P.3.1 -80 REFRIG. SECONDARY 11-20	80A	3		7205		7205	0				8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
<b>Total Load:</b>					14.41 kVA	14.41 kVA	14.41 kVA					
<b>Total Amps:</b>					120 A	120 A	120 A					

**Load Classification**  
Equipment

**Panel Totals**  
Total Conn. Load: 43231 VA  
Total Est. Demand: 43231 VA  
Total Conn.: 120 A  
Total Est. Demand: 120 A

**CB Legend (blank = circuit breaker):**  
G = GFCI S = Shunt Trip D = Switching Duty A = AFCI H = HID Rated C = HACR Rated † = Existing Circuit ‡ = Revised Circuit

**Panel**  
Name: E  
Location: MECHANICAL ROOM 1068  
Supply From: T112.5  
Serves:  
Notes:

Volts: 208Y120V  
Phases: 3  
Wires: 4  
Mains Type: MCB  
Mains Rating: 400 A  
MCB Rating: 400 A  
Lugs: Single Lugs  
Type: Sq-D I-Line HCM  
AIC Rating: 10,000  
Mounting: Surface  
Enclosure: Type 1

CKT	Circuit Description	Tripp	Poles	CB	A	B	C	CB	Poles	Tripp	Circuit Description	CKT
1	P.2 -80 REFRIG. PRIMARY 1-10	80A	3		7205	11960	7205	4680		3	225 A ATS SOURCE 2 - PANEL F	2
3												4
5												6
7	P.2.1 -80 REFRIG. PRIMARY 11-20	80A	3		7205		7205	7460				8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
<b>Total Load:</b>					26.37 kVA	19.09 kVA	21.87 kVA					
<b>Total Amps:</b>					223 A	159 A	186 A					

**Load Classification**  
Equipment  
Power  
Receptacle

**Panel Totals**  
Total Conn. Load: 67331 VA  
Total Est. Demand: 67331 VA  
Total Conn.: 187 A  
Total Est. Demand: 187 A

**CB Legend (blank = circuit breaker):**  
G = GFCI S = Shunt Trip D = Switching Duty A = AFCI H = HID Rated C = HACR Rated † = Existing Circuit ‡ = Revised Circuit

**Panel**  
Name: F  
Location: MECHANICAL ROOM 1068  
Supply From: ATS-BIOS 5  
Serves:  
Notes:

Volts: 208Y120V  
Phases: 3  
Wires: 4  
Mains Type: MCB  
Mains Rating: 225 A  
MCB Rating: 225 A  
Lugs: Single Lugs  
Type: Sq-D NQ  
AIC Rating: 10,000  
Mounting: Surface  
Enclosure: Type 1

CKT	Circuit Description	Tripp	Poles	CB	A	B	C	CB	Poles	Tripp	Circuit Description	CKT
1	P.1 AUTOMATION	60A	2		4680	0				1	20 A OXYGEN MONITORS	2
3												4
5	P.4 EXECUTIVE CONTROLLER	90A	2			4680	0			1	20 A REFRIGERANT MONITOR	6
7							7280	180		1	20 A DESSICANT DRIER	8
9	MOTORIZED DOOR LAB 1065 - ...	20A	1				0			1	20 A MOTORIZED DOOR RECEIVING - BIOS	10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
<b>Total Load:</b>					11.96 kVA	4.68 kVA	7.46 kVA					
<b>Total Amps:</b>					103 A	39 A	66 A					

**Load Classification**  
Equipment  
Power  
Receptacle

**Panel Totals**  
Total Conn. Load: 24100 VA  
Total Est. Demand: 24100 VA  
Total Conn.: 67 A  
Total Est. Demand: 67 A

**CB Legend (blank = circuit breaker):**  
G = GFCI S = Shunt Trip D = Switching Duty A = AFCI H = HID Rated C = HACR Rated † = Existing Circuit ‡ = Revised Circuit

**Panel**  
Name: SJ (EXISTING PANEL IN BIOS #1 MER)  
Location: MECHANICAL ROOM 1018E  
Supply From:  
Serves:  
Notes:

Volts: 208Y120V  
Phases: 3  
Wires: 4  
Mains Type: MCB  
Mains Rating: 225 A  
MCB Rating: 150 A  
Lugs: Single Lugs  
Type: Sq-D NQ  
AIC Rating:  
Mounting: Surface  
Enclosure: Type 1

CKT	Circuit Description	Tripp	Poles	CB	A	B	C	CB	Poles	Tripp	Circuit Description	CKT
1	FREEZER RECEIPT 1018C	20A	1		1000	1000				1	20 A FREEZER RECEIPT 1018C	2
3	FREEZER RECEIPT 1018C	20A	1			1000	1000			1	20 A FREEZER RECEIPT 1018C	4
5	FREEZER RECEIPT 1018C	20A	1				1000	1000		1	20 A FREEZER RECEIPT 1018C	6
7	FREEZER RECEIPT 1018C	20A	1		1000	1000				1	20 A FREEZER RECEIPT 1018C	8
9	FREEZER RECEIPT 1018C	20A	1			1000	1000			1	20 A FREEZER RECEIPT 1018C	10
11	FREEZER RECEIPT 1018C	20A	1				1000	1000		1	20 A FREEZER RECEIPT 1018C	12
13	FREEZER RECEIPT 1018C	20A	1		1000	1000				1	20 A FREEZER RECEIPT 1018C	14
15	FREEZER RECEIPT 1018C	20A	1			1000						

