

UNION COUNTY IMPROVEMENT AUTHORITY UNION COUNTY GOVERNMENT COMPLEX

81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

VOLUME 2
BUILDING INTERIOR FITOUT

BLOCK: 6

LOT: 1589

DIG #: 20.072

OWNER
UNION COUNTY IMPROVEMENT AUTHORITY
10 ELIZABETHTOWN PLAZA
ELIZABETH, NJ 07202
(732) 382-9400

PROJECT ADDRESS:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
ELIZABETH, NJ 07202

PROJECT TEAM

Architecture
DIGroupArchitecture
15 Bethany Street, New
Brunswick, NJ 08901
(732) 249-6242

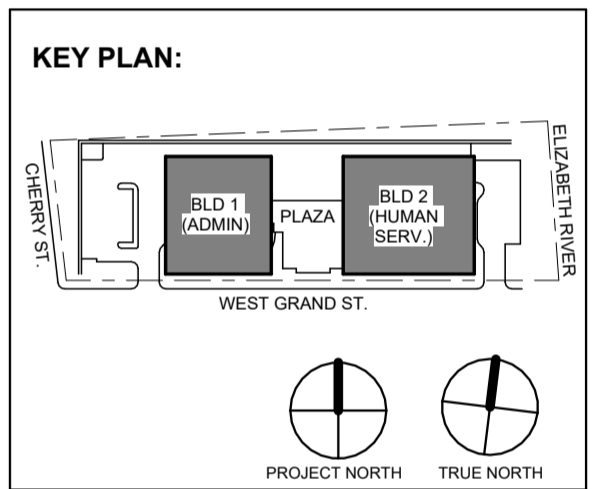
Structural
David Mason Associates
123 S. Broad Street, Suite 1130,
Philadelphia, PA 19109
(215) 372-3400

M.E.P. / F.P.
H2M architects + engineers
4810 Belmar Boulevard,
Wall Township, NJ 07753
(732) 414-2661

Vertical Transportation
VDA Elevator Consulting
120 Eagle Rock Ave Ste 310,
East Hanover, NJ 07936

Civil
French & Parrello Associate
1800 NJ-34 #101, Wall
Township, NJ 07719
(732) 312-9800

IT / Security
MGE Unified Technologies Corp.
116 West 32nd Street,
New York, NY 10001,
(212) 643-9055



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

Revisions / Issues

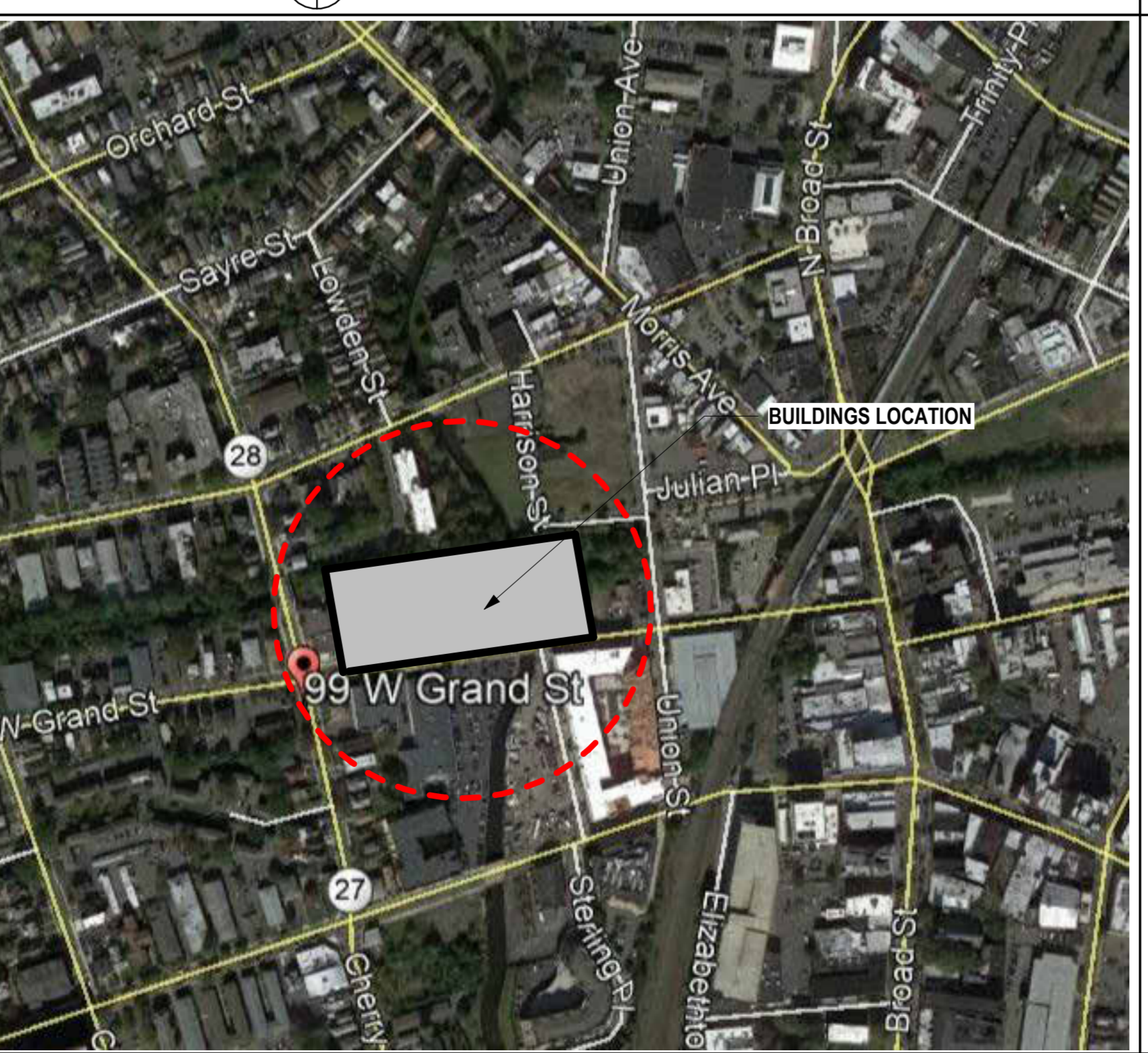
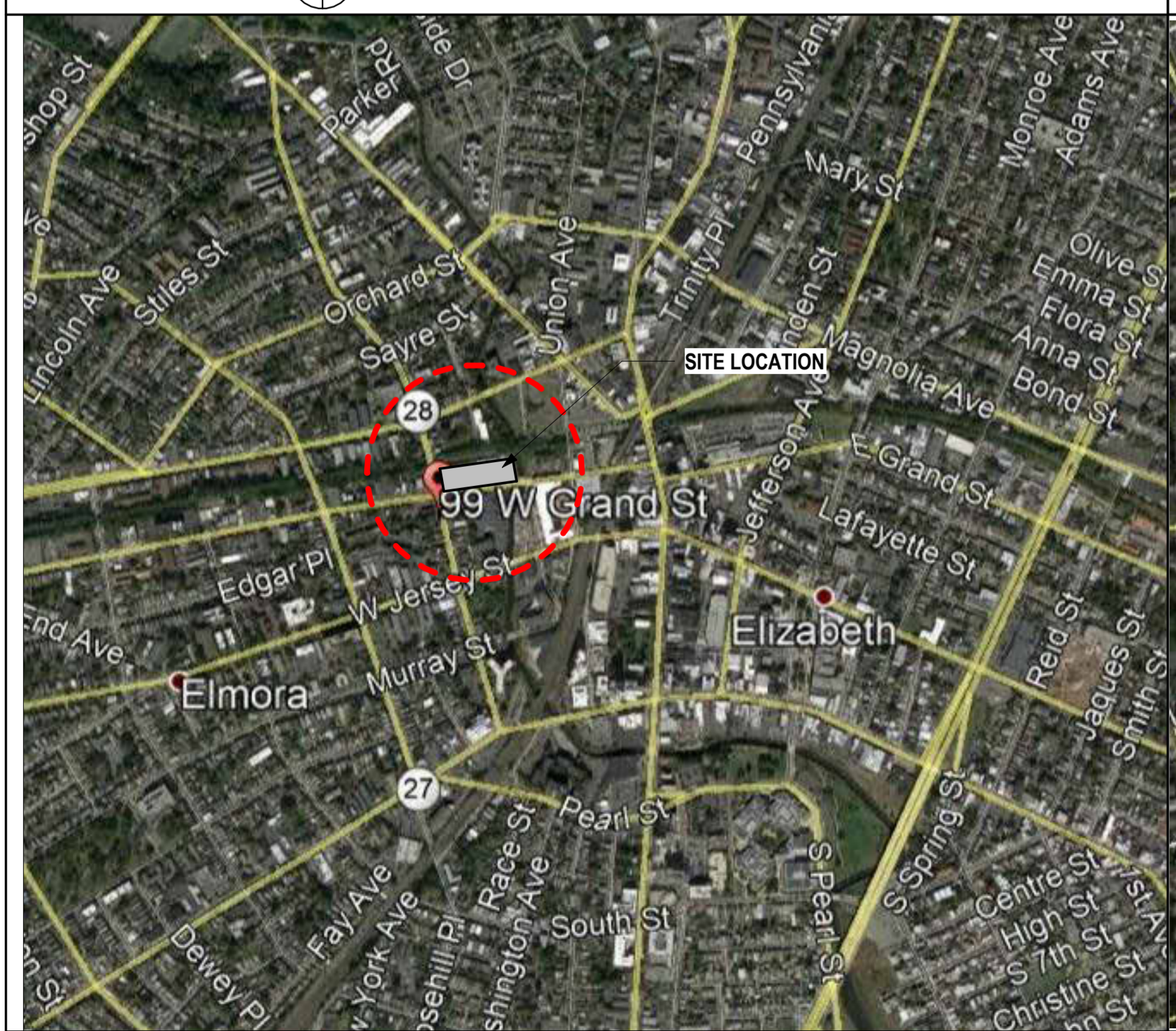
DIGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

LOCATION MAP

VICINITY MAP



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
COVER SHEET

Sheet No:
G-000

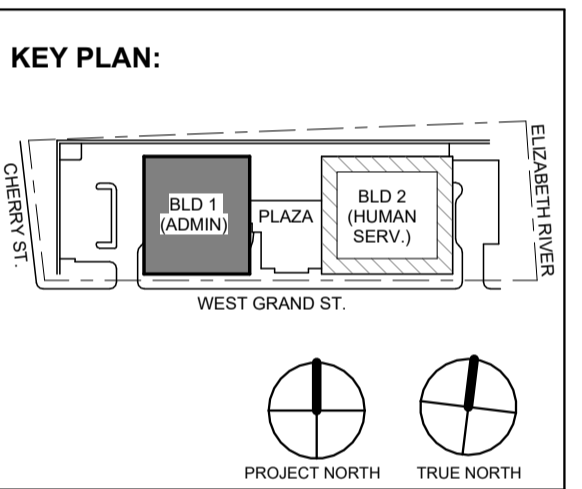
DRAWING LIST VOLUME II

DOCUMENTS PRIMARILY RELATED TO CONSTRUCTION OF INTERIOR CONSTRUCTION AND FIT & FINISHES.

Sheet No.	Sheet Name
G-000	Cover Sheet Volume 2
G-002	DRAWING LIST VOL. 2 - 2 OF 3 (NOTE: SHEET G-001 IS DRAWINGS LIST OF VOL 1)
G-003	DRAWING LIST VOL. 2 - 3 OF 3
ARCHITECTURE - FIT OUT	
A1-100	BUILDING NO. 1 - LEVEL 0 - UNDERGROUND PLAN
A1-101	BUILDING NO. 1 - LEVEL 1 - GROUND FLOOR PLAN
A1-102	BUILDING NO. 1 - LEVEL 2 - FLOOR PLAN
A1-103	BUILDING NO. 1 - LEVEL 3 - FLOOR PLAN
A1-104	BUILDING NO. 1 - LEVEL 4 - FLOOR PLAN
A1-105	BUILDING NO. 1 - LEVEL 5 - FLOOR PLAN
A1-106	BUILDING NO. 1 - LEVEL 6 - PENTHOUSE AND EMR FLOOR PLAN
A2-110	BUILDING NO. 2 - LEVEL 0 - GROUND FLOOR PLAN
A2-111	BUILDING NO. 2 - LEVEL 1 - FLOOR PLAN
A2-112	BUILDING NO. 2 - LEVEL 2 - FLOOR PLAN
A2-113	BUILDING NO. 2 - LEVEL 3 - FLOOR PLAN
A2-114	BUILDING NO. 2 - LEVEL 4 - FLOOR PLAN
A2-115	BUILDING NO. 2 - LEVEL 5 - FLOOR PLAN
A2-116	BUILDING NO. 2 - LEVEL 6 - FLOOR PLAN
A2-117	BUILDING NO. 2 - LEVEL 7 - PENTHOUSE AND EMR FLOOR PLAN
A1-200	BUILDING NO. 1 - LEVEL 0 - UNDERGROUND REFLECTED CEILING PLAN
A1-201	BUILDING NO. 1 - LEVEL 1 - GROUND FLOOR REFLECTED CEILING PLAN
A1-202	BUILDING NO. 1 - LEVEL 2 - REFLECTED CEILING PLAN
A1-203	BUILDING NO. 1 - LEVEL 3 - REFLECTED CEILING PLAN
A1-204	BUILDING NO. 1 - LEVEL 4 - REFLECTED CEILING PLAN
A1-205	BUILDING NO. 1 - LEVEL 5 - REFLECTED CEILING PLAN
A1-206	BUILDING NO. 1 - LEVEL 6 - PENTHOUSE AND EMR REFLECTED CEILING PLAN
A2-210	BUILDING NO. 2 - LEVEL 0 - GROUND LEVEL REFLECTED CEILING PLAN
A2-211	BUILDING NO. 2 - LEVEL 1 - REFLECTED CEILING PLAN
A2-212	BUILDING NO. 2 - LEVEL 2 - REFLECTED CEILING PLAN
A2-213	BUILDING NO. 2 - LEVEL 3 - REFLECTED CEILING PLAN
A2-214	BUILDING NO. 2 - LEVEL 4 - REFLECTED CEILING PLAN
A2-215	BUILDING NO. 2 - LEVEL 5 - REFLECTED CEILING PLAN
A2-216	BUILDING NO. 2 - LEVEL 6 - REFLECTED CEILING PLAN
A2-217	BUILDING NO. 2 - LEVEL 7 - PENTHOUSE AND EMR REFLECTED CEILING PLAN
A-220	CEILING DETAILS
A-221	CEILING DETAILS
A-222	CEILING DETAILS
A-223	CEILING DETAILS
A1-400	BLDG. NO. 1 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS
A1-401	BLDG. NO. 1 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS
A1-402	BLDG. NO. 1 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS
A1-403	BLDG. NO. 1 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS
A2-404	BLDG. NO. 2 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS
A2-405	BLDG. NO. 2 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS
A2-406	BLDG. NO. 2 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS
A2-407	BLDG. NO. 2 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS
A2-408	BLDG. NO. 2 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS
A2-409	BLDG. NO. 2 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS
A1-410	BUILDING NO. 1 ENLARGED MAIN LOBBY PLANS
A1-411	BUILDING NO. 1 ENLARGED MAIN LOBBY INTERIOR ELEVATIONS
A1-412	BUILDING NO. 1 ENLARGED CAFÉ PLANS
A1-413	BUILDING NO. 1 ENLARGED COMMISSIONER'S MEETING ROOM AND DAIS PLAN DETAIL
A1-414	BUILDING NO. 1 - ENLARGED COMMISSIONER'S MEETING ROOM INTERIOR ELEVATIONS
A1-415	BUILDING NO. 1 COMMISSIONER'S VESTIBULE INTERIOR ELEVATIONS
A1-416	BUILDING NO. 1 - COMM. CONF. ROOM & COUNTY MANAGER LOUNGE ENLARGED PLANS AND ELEVATIONS
A2-420	BUILDING NO. 2 - ENLARGED MAIN LOBBY PLANS AND INTERIOR ELEVATIONS
A2-421	BUILDING NO. 2 - ENLARGED EMPLOYEE LOBBY AND INTERIOR ELEVATION
A2-422	BUILDING NO. 2 - SOCIAL SERVICES LOBBY AND INTERIOR ELEVATION
A2-423	BUILDING NO. 2 - ENLARGED TRAINING ROOM PLAN AND INTERIOR ELEVATIONS
A2-424	BUILDING NO. 2 - ENLARGED CAFÉ PLAN AND INTERIOR ELEVATIONS
A2-425	BUILDING NO. 2 - ENLARGED BREAK ROOM (SECOND FLOOR PANTRY) INTERIOR ELEVATIONS
A-431	INTERIOR LOBBY AND SECURITY DESK DETAILS
A-432	TYPICAL ELEVATOR LOBBY PLAN AND INTERIOR ELEVATIONS
A-433	SECURITY DESK PLANS, ELEVATIONS AND DETAILS
A-434	SOCIAL SERVICES COUNTER PLANS AND ELEVATIONS
A-435	INTERIOR MILLWORK DETAILS
A-436	INTERIOR MILLWORK DETAILS
A-437	INTERIOR MILLWORK DETAILS
A-438	TRANSACTION COUNTER PLANS, ELEVATIONS AND DETAILS
A-543	PLAN DETAILS & SECTIONS
A-544	PLAN DETAILS
A-545	FOLDING WALL PARTITIONS PLANS AND DETAILS
A1-621	BUILDING NO. 1 - ENLARGED SHAFT PLAN
A1-622	BUILDING NO. 1 - SHAFT SECTIONS
A2-623	BUILDING NO. 2 - ENLARGED SHAFT PLAN
A2-624	BUILDING NO. 2 - ENLARGED SHAFT PLAN
A2-625	BUILDING NO. 2 - SHAFT SECTIONS
A-700	BUILDING NO. 1 - DOOR SCHEDULE AND NOTES
A-701	BUILDING NO. 2 - DOOR SCHEDULE AND NOTES
A-702	DOOR TYPES, FRAME TYPES AND HEAD, JAMB & SILL DETAILS
A-703	DOOR & WINDOW - HEAD, JAMB AND SILL DETAILS
A-704	INTERIOR FLOORING TRANSITIONS AND DETAILS
A-705	EXTERIOR WINDOW TYPES, STOREFRONT TYPES, DETAILS & NOTES
A-706	INTERIOR WINDOW TYPES, STOREFRONT TYPES, BORROWED LITE WINDOW, DETAILS AND NOTES
A1-800	BUILDING NO. 1 LEVEL 0 - UNDERGROUND FINISH PLAN
A1-801	BUILDING NO. 1 LEVEL 1 - GROUND FLOOR FINISH PLAN
A1-802	BUILDING NO. 1 LEVEL 2 - FINISH FLOOR PLAN
A1-803	BUILDING NO. 1 LEVEL 3 - FINISH FLOOR PLAN
A1-804	BUILDING NO. 1 LEVEL 4 - FINISH FLOOR PLAN
A1-805	BUILDING NO. 1 LEVEL 5 - FINISH FLOOR PLAN
A1-806	BUILDING NO. 1 LEVEL 6 - FINISH FLOOR PLAN
A2-810	FINISH SCHEDULE/PLANS

A2-811	BUILDING NO. 2 - LEVEL 0 - FINISH PLAN
A2-812	BUILDING NO. 2 - LEVEL 1 - FINISH PLAN
A2-813	BUILDING NO. 2 - LEVEL 2 - FINISH PLAN
A2-814	BUILDING NO. 2 - LEVEL 3 - FINISH PLAN
A2-815	BUILDING NO. 2 - LEVEL 4 - FINISH PLAN
A2-816	BUILDING NO. 2 - LEVEL 5 - FINISH PLAN
A2-817	BUILDING NO. 2 - LEVEL 6 - FINISH PLAN
A-820	FINISH SPECIFICATIONS
A-821	FINISH SCHEDULE - BLDG 1 AND 2
A1-900	BLDG NO. 1 - LEVEL 0 - FURNITURE AND EQUIPMENT
A1-901	BLDG NO.1 - LEVEL 1 - FURNITURE AND EQUIPMENT
A1-902	BLDG NO.1 - LEVEL 2 - FURNITURE AND EQUIPMENT
A1-903	BLDG NO.1 - LEVEL 3 - FURNITURE AND EQUIPMENT
A1-904	BLDG NO.1 - LEVEL 4 - FURNITURE AND EQUIPMENT
A1-905	BLDG NO.1 - LEVEL 5 - FURNITURE AND EQUIPMENT
A2-910	BLDG NO.2 - LEVEL 0 - FURNITURE AND EQUIPMENT
A2-911	BLDG NO.2 - LEVEL 1 - FURNITURE AND EQUIPMENT
A2-912	BLDG NO.2 - LEVEL 2 - FURNITURE AND EQUIPMENT
A2-913	BLDG NO.2 - LEVEL 3 - FURNITURE AND EQUIPMENT
A2-914	BLDG NO.2 - LEVEL 4 - FURNITURE AND EQUIPMENT
A2-915	BLDG NO.2 - LEVEL 5 - FURNITURE AND EQUIPMENT
A2-916	BLDG NO.2 - LEVEL 6 - FURNITURE AND EQUIPMENT
A-1000	ENVIRONMENTAL GRAPHICS - PLAZA MURAL WALL
A-1001	ENVIRONMENTAL GRAPHICS - INTERIOR GRAPHICS
A-1002	ENVIRONMENTAL GRAPHICS - WAYFINDING GRAPHICS
A-1003	NOT USED
M-001	MECHANICAL LEAD SHEET
M-002	MECHANICAL DETAILS (1 OF 3)
M-003	MECHANICAL DETAILS (2 OF 3)
M-004	MECHANICAL DETAILS (3 OF 3)
M-101	BUILDING NO. 1 - LEVEL 0 - MECHANICAL DUCTWORK PLAN
M-102	BUILDING NO. 1 - LEVEL 1 - MECHANICAL DUCTWORK PLAN
M-103	BUILDING NO. 1 - LEVEL 2 - MECHANICAL DUCTWORK PLAN
M-104	BUILDING NO. 1 - LEVEL 3 - MECHANICAL DUCTWORK PLAN
M-105	BUILDING NO. 1 - LEVEL 4 - MECHANICAL DUCTWORK PLAN
M-106	BUILDING NO. 1 - LEVEL 5 - MECHANICAL DUCTWORK PLAN
M-107	BUILDING NO. 1 - ROOF - MECHANICAL DUCTWORK PLAN
M-110	BUILDING NO. 2 - LEVEL 0 - MECHANICAL DUCTWORK PLAN
M-111	BUILDING NO. 2 - LEVEL 1 - MECHANICAL DUCTWORK PLAN
M-112	BUILDING NO. 2 - LEVEL 2 - MECHANICAL DUCTWORK PLAN
M-113	BUILDING NO. 2 - LEVEL 3 - MECHANICAL DUCTWORK PLAN
M-114	BUILDING NO. 2 - LEVEL 4 - MECHANICAL DUCTWORK PLAN
M-115	BUILDING NO. 2 - LEVEL 5 - MECHANICAL DUCTWORK PLAN
M-116	BUILDING NO. 2 - LEVEL 6 - MECHANICAL DUCTWORK PLAN
M-117	BUILDING NO. 2 - ROOF - MECHANICAL DUCTWORK PLAN
M-201	BUILDING NO. 1 - LEVEL 0 - MECHANICAL PIPING PLAN
M-202	BUILDING NO. 1 - LEVEL 1 - MECHANICAL PIPING PLAN
M-203	BUILDING NO. 1 - LEVEL 2 - MECHANICAL PIPING PLAN
M-204	BUILDING NO. 1 - LEVEL 3 - MECHANICAL PIPING PLAN
M-205	BUILDING NO. 1 - LEVEL 4 - MECHANICAL PIPING PLAN
M-206	BUILDING NO. 1 - LEVEL 5 - MECHANICAL PIPING PLAN
M-207	BUILDING NO. 1 - ROOF - MECHANICAL PIPING PLAN
M-210	BUILDING NO. 2 - LEVEL 0 - MECHANICAL PIPING PLAN
M-211	BUILDING NO. 2 - LEVEL 1 - MECHANICAL PIPING PLAN
M-212	BUILDING NO. 2 - LEVEL 2 - MECHANICAL PIPING PLAN
M-213	BUILDING NO. 2 - LEVEL 3 - MECHANICAL PIPING PLAN
M-214	BUILDING NO. 2 - LEVEL 4 - MECHANICAL PIPING PLAN
M-215	BUILDING NO. 2 - LEVEL 5 - MECHANICAL PIPING PLAN
M-216	BUILDING NO. 2 - LEVEL 6 - MECHANICAL PIPING PLAN
M-217	BUILDING NO. 2 - ROOF - MECHANICAL PIPING PLAN
M-301	BUILDING NO. 1 & 2 - MECHANICAL VRF RISER DIAGRAM
M-302	BUILDING NO. 1 - MECHANICAL ENLARGED PLANS & SECTIONS
M-303	BUILDING NO. 1 - MECHANICAL RISER DIAGRAMS
M-304	BUILDING NO. 1 - MECHANICAL RISER DIAGRAMS
M-305	BUILDING NO. 2 - MECHANICAL ENLARGED PLANS & SECTIONS
M-306	BUILDING NO. 2 - MECHANICAL RISER DIAGRAMS
M-307	BUILDING NO. 2 - MECHANICAL RISER DIAGRAMS
M-401	BUILDING NO. 1&2 - MECHANICAL SCHEDULES (1 OF 5)
M-402	BUILDING NO. 1&2 - MECHANICAL SCHEDULES (2 OF 5)
M-403	BUILDING NO. 1&2 - MECHANICAL SCHEDULES (3 OF 5)
M-404	BUILDING NO. 1&2 - MECHANICAL SCHEDULES (4 OF 5)
M-405	BUILDING NO. 1&2 - MECHANICAL SCHEDULES (5 OF 5)
M-406	BUILDING NO. 1 - MECHANICAL SCHEDULES (1 OF 3)
M-407	BUILDING NO. 1 - MECHANICAL SCHEDULES (2 OF 3)
M-408	BUILDING NO. 1 - MECHANICAL SCHEDULES (3 OF 3)
M-409	BUILDING NO. 2 - MECHANICAL SCHEDULES (1 OF 4)
M-410	BUILDING NO. 2 - MECHANICAL SCHEDULES (2 OF 4)
M-411	BUILDING NO. 2 - MECHANICAL SCHEDULES (3 OF 4)
M-412	BUILDING NO. 2 - MECHANICAL SCHEDULES (4 OF 4)
M-501	BUILDING NO. 1&2 - MECHANICAL CONTROLS DIAGRAMS (1 OF 4)
M-502	BUILDING NO. 1&2 - MECHANICAL CONTROLS DIAGRAMS (2 OF 4)
M-503	BUILDING NO. 1&2 - MECHANICAL CONTROLS DIAGRAMS (3 OF 4)
M-504	BUILDING NO. 1&2 - MECHANICAL CONTROLS DIAGRAMS (4 OF 4)
ELECTRICAL	
E-001	ELECTRICAL LEAD SHEET
E-002	ELECTRICAL DETAILS
E-003	ELECTRICAL DETAILS
E-010	ELECTRICAL SITE PLAN
E-011	ELECTRICAL UNDERGROUND CONDUIT PLAN
E-100	OUTDOOR PLAZA - ELECTRICAL POWER & LIGHTING PLANS
E-101	BUILDING NO. 1 - LEVEL 0 - ELECTRICAL POWER PLAN

E-102	BUILDING NO. 1 - LEVEL 1 - ELECTRICAL POWER PLAN
E-103	BUILDING NO. 1 - LEVEL 2 - ELECTRICAL POWER PLAN
E-104	BUILDING NO. 1 - LEVEL 3 - ELECTRICAL POWER PLAN
E-105	BUILDING NO. 1 - LEVEL 4 - ELECTRICAL POWER PLAN
E-106	BUILDING NO. 1 - LEVEL 5 - ELECTRICAL POWER PLAN
E-107	BUILDING NO. 1 - ROOF - ELECTRICAL POWER PLAN
E-110	BUILDING NO. 2 - LEVEL 0 - ELECTRICAL POWER PLAN
E-111	BUILDING NO. 2 - LEVEL 1 - ELECTRICAL POWER PLAN
E-112	BUILDING NO. 2 - LEVEL 2 - ELECTRICAL POWER PLAN
E-113	BUILDING NO. 2 - LEVEL 3 - ELECTRICAL POWER PLAN
E-114	BUILDING NO. 2 - LEVEL 4 - ELECTRICAL POWER PLAN
E-115	BUILDING NO. 2 - LEVEL 5 - ELECTRICAL POWER PLAN
E-116	BUILDING NO. 2 - LEVEL 6 - ELECTRICAL POWER PLAN
E-117	BUILDING NO. 2 - ROOF - ELECTRICAL POWER PLAN
E-201	BUILDING NO. 1 - LEVEL 0 - ELECTRICAL LIGHTING PLAN
E-202	BUILDING NO. 1 - LEVEL 1 - ELECTRICAL LIGHTING PLAN
E-203	BUILDING NO. 1 - LEVEL 2 - ELECTRICAL LIGHTING PLAN
E-204	BUILDING NO. 1 - LEVEL 3 - ELECTRICAL LIGHTING PLAN
E-205	BUILDING NO. 1 - LEVEL 4 - ELECTRICAL LIGHTING PLAN
E-206	BUILDING NO. 1 - LEVEL 5 - ELECTRICAL LIGHTING PLAN
E-207	BUILDING NO. 1 - ROOF - ELECTRICAL LIGHTING PLAN
E-210	BUILDING NO. 2 - LEVEL 0 - ELECTRICAL LIGHTING PLAN
E-211	BUILDING NO. 2 - LEVEL 1 - ELECTRICAL LIGHTING PLAN
E-212	BUILDING NO. 2 - LEVEL 2 - ELECTRICAL LIGHTING PLAN
E-213	BUILDING NO. 2 - LEVEL 3 - ELECTRICAL LIGHTING PLAN
E-214	BUILDING NO. 2 - LEVEL 4 - ELECTRICAL LIGHTING PLAN
E-215	BUILDING NO. 2 - LEVEL 5 - ELECTRICAL LIGHTING PLAN
E-216	BUILDING NO. 2 - LEVEL 6 - ELECTRICAL LIGHTING PLAN
E-217	BUILDING NO. 2 - ROOF - ELECTRICAL LIGHTING PLAN
E-301	BUILDING NO. 1 - ELECTRICAL ENLARGED PLANS
E-302	BUILDING NO. 1 - ELECTRICAL ENLARGED PLANS
E-303	BUILDING NO. 2 - ELECTRICAL ENLARGED PLANS
E-304	BUILDING NO. 2 - ELECTRICAL ENLARGED PLANS
E-401	BUILDING NO. 1 - ELECTRICAL SINGLE LINE DIAGRAM
E-402	BUILDING NO. 2 - ELECTRICAL SINGLE LINE DIAGRAM
E-501	ELECTRICAL LUMINAIRE SCHEDULE
E-502	BUILDING NO. 1 - ELECTRICAL SCHEDULES
E-503	BUILDING NO. 1 - ELECTRICAL SCHEDULES
E-504	BUILDING NO. 1 - ELECTRICAL SCHEDULES
E-505	BUILDING NO. 1 - ELECTRICAL SCHEDULES
E-506	BUILDING NO. 1 - ELECTRICAL SCHEDULES
E-507	BUILDING NO. 1 - ELECTRICAL SCHEDULES
E-508	BUILDING NO. 1 - ELECTRICAL SCHEDULES
E-509	BUILDING NO. 1 - ELECTRICAL SCHEDULES
E-510	BUILDING NO. 1 - ELECTRICAL SCHEDULES
E-511	BUILDING NO. 1 - ELECTRICAL SCHEDULES
E-512	BUILDING NO. 2 - ELECTRICAL SCHEDULES
E-513	BUILDING NO. 2 - ELECTRICAL SCHEDULES
E-514	BUILDING NO. 2 - ELECTRICAL SCHEDULES
E-515	BUILDING NO. 2 - ELECTRICAL SCHEDULES
E-516	BUILDING NO. 2 - ELECTRICAL SCHEDULES
E-517	BUILDING NO. 2 - ELECTRICAL SCHEDULES
E-518	BUILDING NO. 2 - ELECTRICAL SCHEDULES
E-519	BUILDING NO. 2 - ELECTRICAL SCHEDULES
E-520	BUILDING NO. 2 - ELECTRICAL SCHEDULES
E-521	BUILDING NO. 2 - ELECTRICAL SCHEDULES
FIRE ALARM	
FA-001	FIRE ALARM LEGEND, SYMBOLS, NOTES & ABBREVIATIONS
FA-002	FIRE ALARM DETAILS
FA-100	OUTDOOR PLAZA - FIRE ALARM PLAN
FA-101	BUILDING NO. 1 - LEVEL 0 - FIRE ALARM PLAN
FA-102	BUILDING NO. 1 - LEVEL 1 - FIRE ALARM PLAN
FA-103	BUILDING NO. 1 - LEVEL 2 - FIRE ALARM PLAN
FA-104	BUILDING NO. 1 - LEVEL 3 - FIRE ALARM PLAN
FA-105	BUILDING NO. 1 - LEVEL 4 - FIRE ALARM PLAN
FA-106	BUILDING NO. 1 - LEVEL 5 - FIRE ALARM PLAN
FA-107	BUILDING NO. 1 - ROOF - FIRE ALARM PLAN
FA-110	BUILDING NO. 2 - LEVEL 0 - FIRE ALARM PLAN
FA-111	BUILDING NO. 2 - LEVEL 1 - FIRE ALARM PLAN
FA-112	BUILDING NO. 2 - LEVEL 2 - FIRE ALARM PLAN
FA-113	BUILDING NO. 2 - LEVEL 3 - FIRE ALARM PLAN
FA-114	BUILDING NO. 2 - LEVEL 4 - FIRE ALARM PLAN
FA-115	BUILDING NO. 2 - LEVEL 5 - FIRE ALARM PLAN
FA-116	BUILDING NO. 2 - LEVEL 6 - FIRE ALARM PLAN
FA-117	BUILDING NO. 2 - ROOF - FIRE ALARM PLAN
FA-201	BUILDING NO. 1 FIRE ALARM RISER DIAGRAM
FA-202	BUILDING NO. 2 FIRE ALARM RISER DIAGRAM
PLUMBING	
P-001	PLUMBING LEAD SHEET
P-002	PLUMBING DETAILS
P-003	PLUMBING DETAILS
P-100	BUILDING NO. 1 - UNDERSLAB - SANITARY & STORM PLAN
P-101	BUILDING NO. 1 - LEVEL 0 - SANITARY & STORM PLAN
P-102A	BUILDING NO. 1 - LEVEL 1 - SANITARY & STORM PLAN
P-102B	BUILDING NO. 1 - LEVEL 1 PARKING - SANITARY & STORM PLAN
P-103	BUILDING NO. 1 - LEVEL 2 - SANITARY & STORM PLAN
P-104	BUILDING NO. 1 - LEVEL 3 - SANITARY & STORM PLAN
P-105	BUILDING NO. 1 - LEVEL 4 - SANITARY & STORM PLAN
P-106	BUILDING NO. 1 - LEVEL 5 - SANITARY & STORM PLAN
P-107	BUILDING NO. 1 - ROOF - SANITARY & STORM PLAN
P-108	BUILDING NO. 1 - EMR LEVEL - SANITARY & STORM PLAN



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
LIST OF DRAWINGS 2 OF 3

Sheet No:
G-002

GALLEY TO BE OUTFITTED AS FOLLOWS:

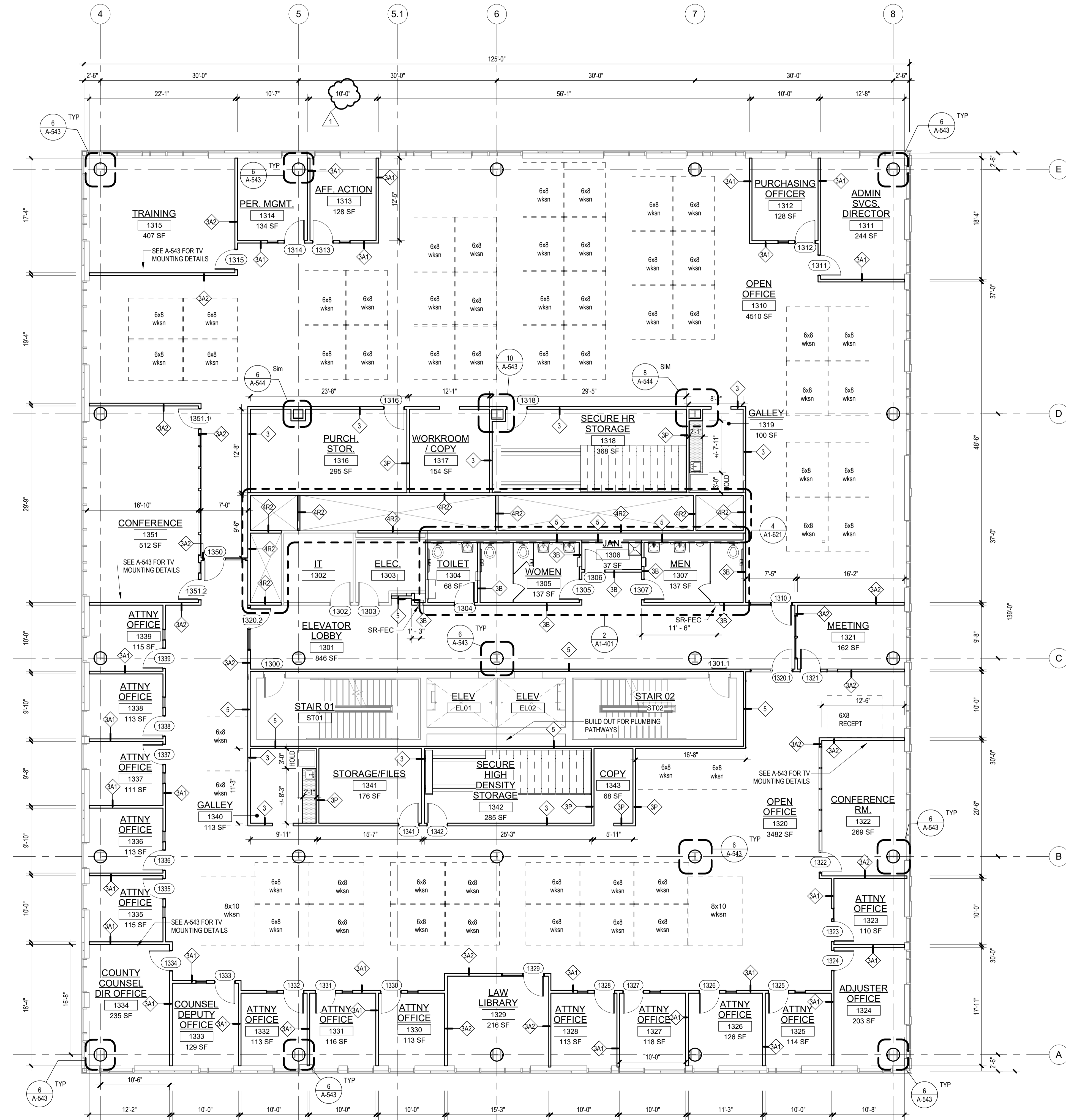
- APPLIANCES: (1) REFRIGERATOR / FREEZER MINIMUM 19 CU. FT. CAPACITY, ENERGY STAR RATED. (1) COMMERCIAL-GRADE WALL-MOUNTED MICROWAVE 1200 WATTS.
- PLUMBING: UNDERMOUNT STAINLESS STEEL SINK AND TRIM.
- CABINETS: DETAILED AS CASEWORK - REFER TO FURNITURE PLANS.
- FINISHES: CERAMIC / GLASS TILE BACKSLASH, RESILIENT FLOORING, SOLID SURFACE COUNTERTOPS.
- LIGHTING: AS SHOWN ON RCP.
- POWER: TO SUIT APPLIANCES AS NOTED PLUS RECEPTACLES AS REQUIRED BY CODE, MINIMUM OF (2) GFCI AT COUNTER HEIGHT.

FLOOR PLAN LEGEND

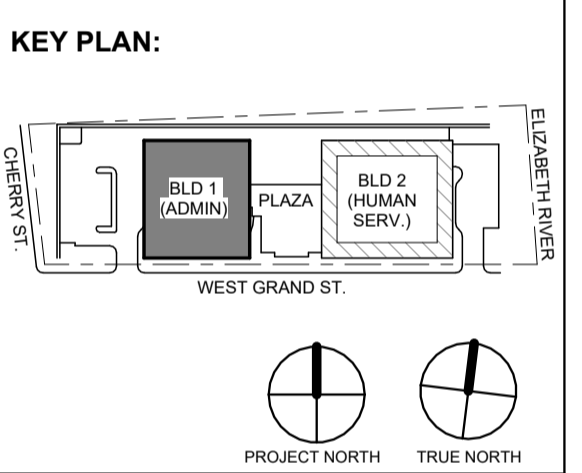
- STUD CONSTRUCTION
- MASONRY CONSTRUCTION
- POURED CONCRETE
- EJ EXPANSION JOINT
- ENLARGED PLAN / DETAIL REFERENCE
- SPOT ELEVATION
- PARTITION TAG
- WALL SECTION
- BUILDING ELEVATION
- KEYNOTES
- DOOR & TAG
- BUILT IN MILLWORK

GENERAL NOTES:

- PRIOR TO INSTALLATION OF INTERIOR PARTITIONS, ARCHITECT TO APPROVE ALL TRACK LOCATIONS TO ASSURE ALIGNMENT WITH BUILDING PERIMETER.
- CORE & SHELL PARTITIONS SHOWN IN BACKGROUND OF INTERIOR FIT-OUT DOCUMENTS ARE FOR REFERENCE PURPOSES ONLY. REFER TO VOLUME 1 DRAWINGS FOR ADDITIONAL INFORMATION.
- ALL DIMENSIONS ARE TO FINISHED FACE OF PARTITION UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS SHOWN ARE TO BE VERIFIED IN THE FIELD PRIOR TO PROCEEDING WITH WORK.
- SEE DRAWINGS G-003 FOR ABBREVIATIONS, SYMBOLS AND LEGENDS.
- SEE DRAWINGS G-012 AND G-013 FOR PARTITION TYPES.
- SEE A-200 SERIES DRAWINGS FOR REFLECTED CEILING PLANS AND DETAILS.
- SEE A-300 SERIES DRAWINGS FOR BUILDING ELEVATIONS AND DETAILS.
- SEE A-400 SERIES DRAWINGS FOR TOILET PLANS, ENLARGED FLOOR PLANS, INTERIOR ELEVATIONS AND MILLWORK DETAILS.
- SEE A-500 SERIES DRAWINGS FOR BUILDING SECTIONS, WALL SECTIONS AND DETAILS.
- SEE A-600 SERIES DRAWINGS FOR ENLARGED SHAFT PLANS AND SECTIONS.
- SEE A-700 SERIES DRAWINGS FOR DOOR SCHEDULES & ELEVATIONS, HARDWARE SETS, WINDOW ELEVATIONS AND DETAILS.
- SEE A-800 SERIES DRAWINGS FOR FINISH PLANS, LEGEND AND SCHEDULES.
- SEE A-900 SERIES DRAWINGS FOR FURNITURE, FIXTURE & EQUIPMENT PLANS AND SCHEDULES.
- REFER TO CIVIL, STRUCTURAL, MEP-FP & FA AND SECURITY / TELE - DATA DRAWINGS FOR ADDITIONAL INFORMATION.



1 BLDG 1 - LEVEL 3 - FLOOR PLAN
SCALE: 1/8" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
**UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY 07202**

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BUILDING NO. 1 - LEVEL 3 - FLOOR PLAN

Sheet No:
A1-103

GALLEY TO BE OUTFITTED AS FOLLOWS:

- **APPLIANCES:** (1) REFRIGERATOR / FREEZER MINIMUM 19 CU. FT. CAPACITY, ENERGY STAR RATED, (1) COMMERCIAL-GRADE WALL-MOUNTED MICROWAVE 1200 WATTS.
- **PLUMBING:** UNDERMOUNT STAINLESS STEEL SINK AND TRIM.
- **CABINETS:** DETAILED AS CASEWORK - REFER TO FURNITURE PLANS.
- **FINISHES:** CERAMIC / GLASS TILE BACKSPASH, RESILIENT FLOORING, SOLID SURFACE COUNTERTOPS.
- **LIGHTING:** AS SHOWN ON RCP.
- **POWER:** TO SUIT APPLIANCES AS NOTED PLUS RECEPTACLES AS REQUIRED BY CODE, MINIMUM OF (2) GFCI AT COUNTER HEIGHT.

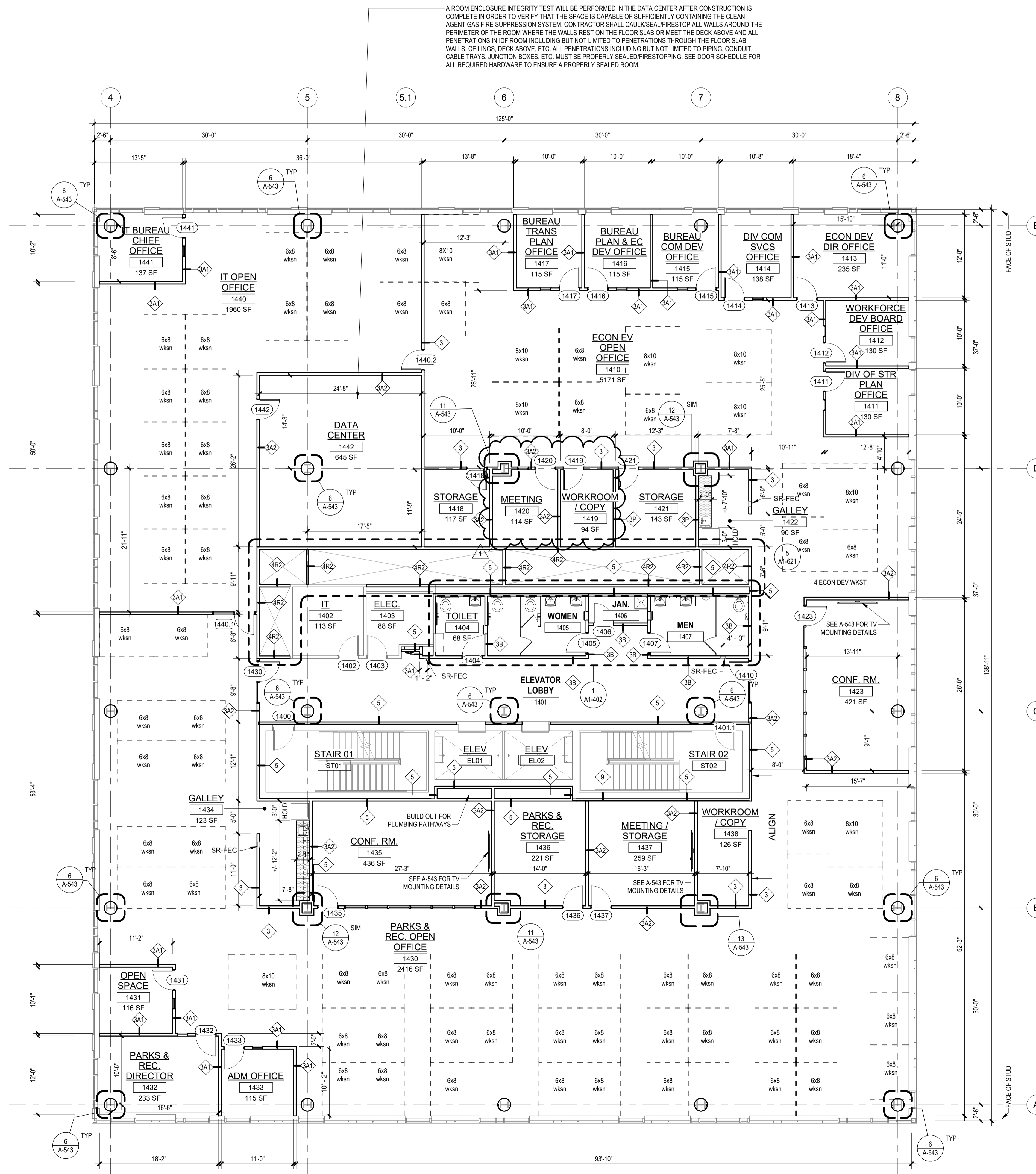
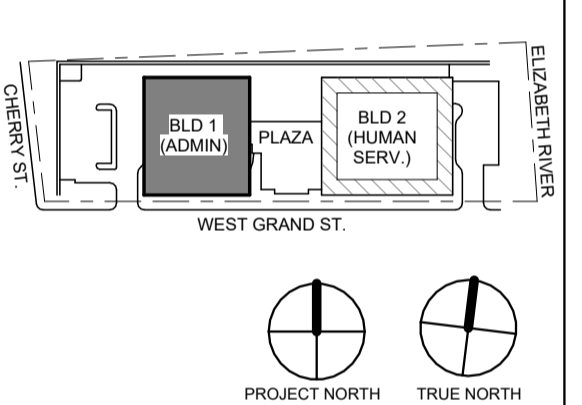
FLOOR PLAN LEGEND

- STUD CONSTRUCTION
- MASONRY CONSTRUCTION
- POURED CONCRETE
- EJ EXPANSION JOINT
- ENLARGED PLAN / DETAIL REFERENCE
- SPOT ELEVATION
- PARTITION TAG
- WALL SECTION
- BUILDING ELEVATION
- KEYNOTES
- DOOR & TAG
- BUILT IN MILLWORK

GENERAL NOTES:

- PRIOR TO INSTALLATION OF INTERIOR PARTITIONS, ARCHITECT TO APPROVE ALL TRACK LOCATIONS TO ASSURE ALIGNMENT WITH BUILDING PERIMETER.
- CORE & SHELL PARTITIONS SHOWN IN BACKGROUND OF INTERIOR FIT-OUT DOCUMENTS ARE FOR REFERENCE PURPOSES ONLY. REFER TO VOLUME 1 DRAWINGS FOR ADDITIONAL INFORMATION.
- ALL DIMENSIONS ARE TO FINISHED FACE OF PARTITION UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS SHOWN ARE TO BE VERIFIED IN THE FIELD PRIOR TO PROCEEDING WITH WORK.
- SEE DRAWINGS G-003 FOR ABBREVIATIONS, SYMBOLS AND LEGENDS.
- SEE DRAWINGS G-012 AND G-013 FOR PARTITION TYPES.
- SEE A-200 SERIES DRAWINGS FOR REFLECTED CEILING PLANS AND DETAILS.
- SEE A-300 SERIES DRAWINGS FOR BUILDING ELEVATIONS AND DETAILS.
- SEE A-400 SERIES DRAWINGS FOR TOILET PLANS, ENLARGED FLOOR PLANS, INTERIOR ELEVATIONS AND MILLWORK DETAILS.
- SEE A-500 SERIES DRAWINGS FOR BUILDING SECTIONS, WALL SECTIONS AND DETAILS.
- SEE A-600 SERIES DRAWINGS FOR ENLARGED SHAFT PLANS AND SECTIONS.
- SEE A-700 SERIES DRAWINGS FOR DOOR SCHEDULES & ELEVATIONS, HARDWARE SETS, WINDOW ELEVATIONS AND DETAILS.
- SEE A-800 SERIES DRAWINGS FOR FINISH PLANS, LEGEND AND SCHEDULES.
- SEE A-900 SERIES DRAWINGS FOR FURNITURE, FIXTURE & EQUIPMENT PLANS AND SCHEDULES.
- REFER TO CIVIL, STRUCTURAL, MEP, FP & FA AND SECURITY / TELE - DATA DRAWINGS FOR ADDITIONAL INFORMATION.

KEY PLAN:



1 BLDG 1 - LEVEL 4 - FLOOR PLAN
SCALE: 1/8" = 1'-0"

No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA #1 09827100

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BUILDING NO. 1 - LEVEL 4 - FLOOR PLAN

Sheet No:
A1-104

GALLEY TO BE OUTFITTED AS FOLLOWS:

- **APPLIANCES:** (1) REFRIGERATOR / FREEZER MINIMUM 19 CU. FT. CAPACITY, ENERGY STAR RATED, (1) COMMERCIAL-GRADE WALL-MOUNTED MICROWAVE 1200 WATTS.
- **PLUMBING:** UNDERMOUNT STAINLESS STEEL SINK AND TRIM.
- **CABINETS:** DETAILED AS CASEWORK - REFER TO FURNITURE PLANS.
- **FINISHES:** CERAMIC / GLASS TILE BACKSPASH, RESILIENT FLOORING, SOLID SURFACE COUNTERTOPS.
- **LIGHTING:** AS SHOWN ON RCP.
- **POWER:** TO SUIT APPLIANCES AS NOTED PLUS RECEPTACLES AS REQUIRED BY CODE, MINIMUM OF (2) GFCI AT COUNTER HEIGHT.

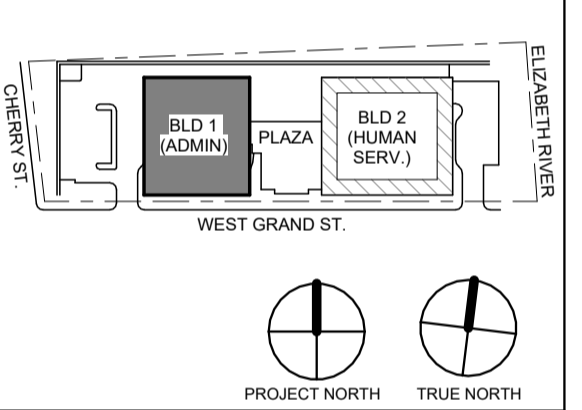
FLOOR PLAN LEGEND

- STUD CONSTRUCTION
- MASONRY CONSTRUCTION
- POURED CONCRETE
- EJ EXPANSION JOINT
- ENLARGED PLAN / DETAIL REFERENCE
- SPOT ELEVATION
- PARTITION TAG
- WALL SECTION
- BUILDING ELEVATION
- KEYNOTES
- DOOR & TAG
- BUILT IN MILLWORK

GENERAL NOTES:

- PRIOR TO INSTALLATION OF INTERIOR PARTITIONS, ARCHITECT TO APPROVE ALL TRACK LOCATIONS TO ASSURE ALIGNMENT WITH BUILDING PERIMETER.
- CORE & SHELL PARTITIONS SHOWN IN BACKGROUND OF INTERIOR FIT-OUT DOCUMENTS ARE FOR REFERENCE PURPOSES ONLY. REFER TO VOLUME 1 DRAWINGS FOR ADDITIONAL INFORMATION.
- ALL DIMENSIONS ARE TO FINISHED FACE OF PARTITION UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS SHOWN ARE TO BE VERIFIED IN THE FIELD PRIOR TO PROCEEDING WITH WORK.
- SEE DRAWINGS G-003 FOR ABBREVIATIONS, SYMBOLS AND LEGENDS.
- SEE DRAWINGS G-012 AND G-013 FOR PARTITION TYPES.
- SEE A-200 SERIES DRAWINGS FOR REFLECTED CEILING PLANS AND DETAILS.
- SEE A-300 SERIES DRAWINGS FOR BUILDING ELEVATIONS AND DETAILS.
- SEE A-400 SERIES DRAWINGS FOR TOILET PLANS, ENLARGED FLOOR PLANS, INTERIOR ELEVATIONS AND MILLWORK DETAILS.
- SEE A-500 SERIES DRAWINGS FOR BUILDING SECTIONS, WALL SECTIONS AND DETAILS.
- SEE A-600 SERIES DRAWINGS FOR ENLARGED SHAFT PLANS AND SECTIONS.
- SEE A-700 SERIES DRAWINGS FOR DOOR SCHEDULES & ELEVATIONS, HARDWARE SETS, WINDOW ELEVATIONS AND DETAILS.
- SEE A-800 SERIES DRAWINGS FOR FINISH PLANS, LEGEND AND SCHEDULES.
- SEE A-900 SERIES DRAWINGS FOR FURNITURE, FIXTURE & EQUIPMENT PLANS AND SCHEDULES.
- REFER TO CIVIL, STRUCTURAL, MEP FP & FA AND SECURITY / TELE - DATA DRAWINGS FOR ADDITIONAL INFORMATION.

KEY PLAN:



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

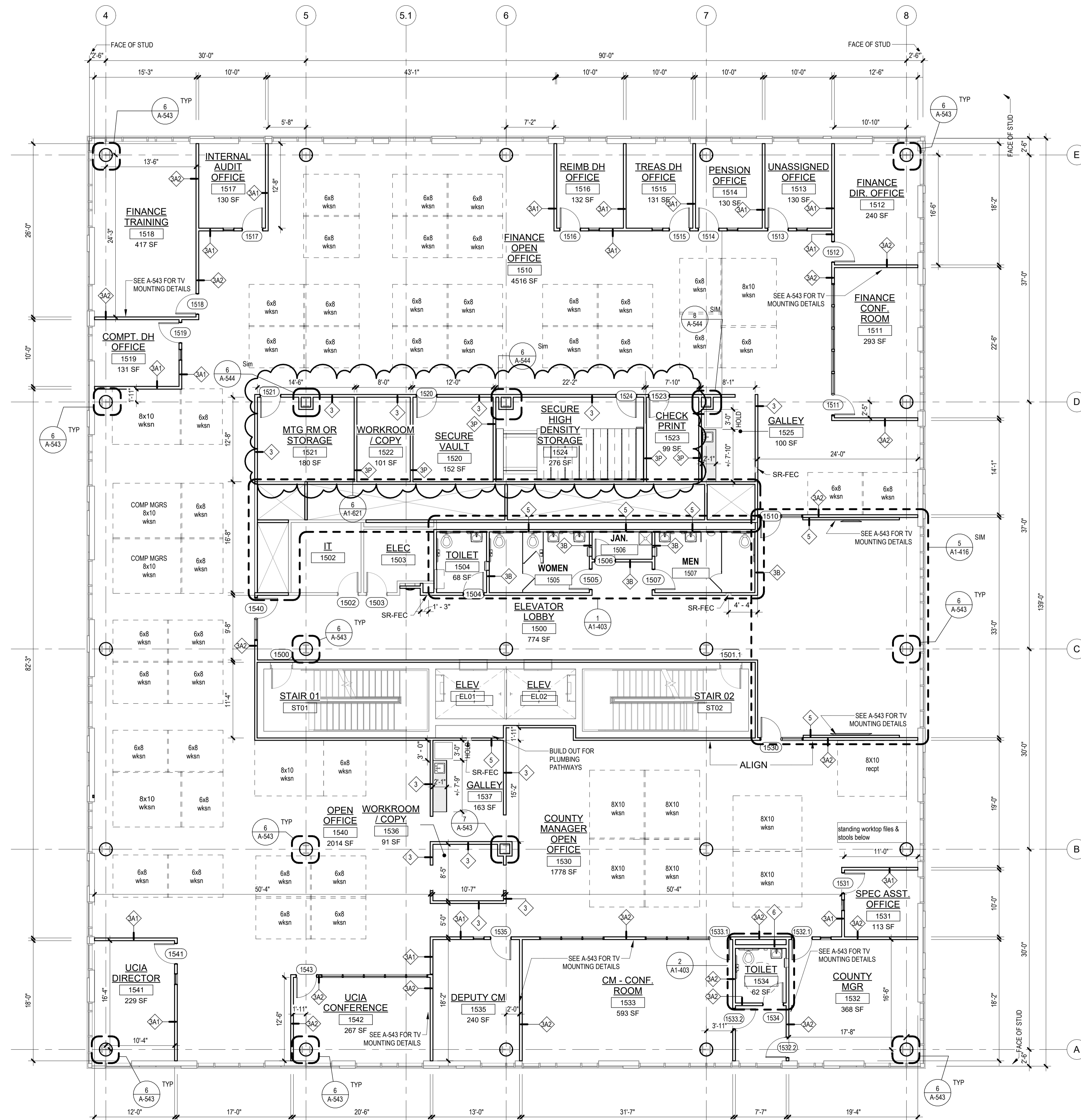
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BUILDING NO. 1 - LEVEL 5 - FLOOR PLAN

Sheet No:

A1-105



1 BLDG 1 - LEVEL 5 - FLOOR PLAN
SCALE: 1/8" = 1'-0"

GALLEY TO BE OUTFITTED AS FOLLOWS:

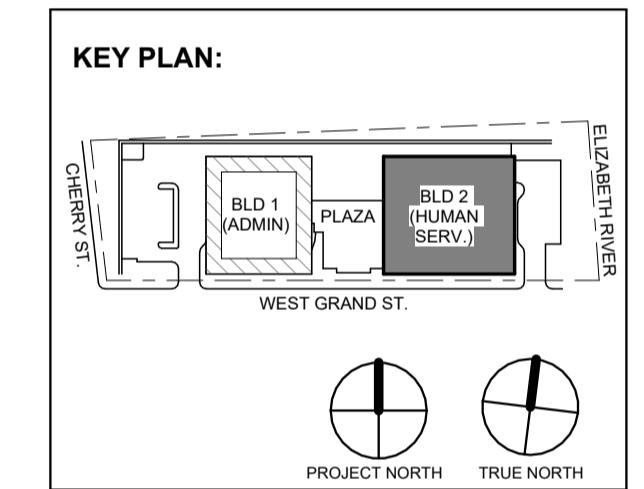
- APPLIANCES: (1) REFRIGERATOR / FREEZER MINIMUM 19 CU. FT. CAPACITY, ENERGY STAR RATED; (1) COMMERCIAL-GRADE WALL-MOUNTED MICROWAVE 1200 WATTS.
- PLUMBING: UNDERMOUNT STAINLESS STEEL SINK AND TRIM.
- CABINETS: DETAILED AS CASEWORK - REFER TO FURNITURE PLANS.
- FINISHES: CERAMIC / GLASS TILE BACKSPLASH, RESILIENT FLOORING, SOLID SURFACE COUNTERTOPS.
- LIGHTING: AS SHOWN ON RCP.
- POWER: TO SUIT APPLIANCES AS NOTED PLUS RECEPTACLES AS REQUIRED BY CODE, MINIMUM OF (2) GFCI AT COUNTER HEIGHT.

FLOOR PLAN LEGEND

- STUD CONSTRUCTION
- MASONRY CONSTRUCTION
- POURED CONCRETE
- EXPANSION JOINT
- ENLARGED PLAN / DETAIL REFERENCE
- SPOT ELEVATION
- PARTITION TAG
- WALL SECTION
- BUILDING ELEVATION
- KEYNOTES
- DOOR & TAG
- BUILT IN MILLWORK

GENERAL NOTES:

- CORE & SHELL PARTITIONS SHOWN IN BACKGROUND OF INTERIOR FIT-OUT DOCUMENTS ARE FOR REFERENCE PURPOSES ONLY. REFER TO CORE & SHELL DRAWINGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL COMPLETE INSTALLATION OF GYPSUM BOARD FINISH ONLY ON INTERIOR SIDE OF ALL EXTERIOR METAL STUD PARTITIONS LEFT EXPOSED DURING CORE AND SHELL CONSTRUCTION AS REQUIRED, TYPICAL THROUGHOUT.
- CONTRACTOR SHALL COMPLETE INSTALLATION OF GYPSUM BOARD FINISH ONLY ON EXTERIOR SIDE OF ALL ELECTRIC / IT ROOMS LEFT EXPOSED DURING CORE AND SHELL CONSTRUCTION AS REQUIRED, TYPICAL THROUGHOUT FOR PARTITION TYPE 3B.
- ALL DIMENSIONS ARE TO FINISHED FACE OF PARTITION UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS SHOWN ARE TO BE VERIFIED IN THE FIELD PRIOR TO PROCEEDING WITH WORK.
- PARTITIONS TERMINATING AT EXTERIOR STOREFRONT ARE TO BE CENTERED ON THE WINDOW MULLION U.O.N.
- SEE DRAWINGS G-003 FOR ABBREVIATIONS, SYMBOLS AND LEGENDS.
- SEE DRAWINGS G-012 AND G-013 FOR PARTITION TYPES.
- SEE A-200 SERIES DRAWINGS FOR REFLECTED CEILING PLANS AND DETAILS.
- SEE A-300 SERIES DRAWINGS FOR BUILDING ELEVATIONS AND DETAILS.
- SEE A-500 SERIES DRAWINGS FOR BUILDING SECTION, WALL SECTIONS AND ELEVATIONS.
- SEE A-400 SERIES DRAWINGS FOR TOILET PLANS, ENLARGED FLOOR PLANS, INTERIOR ELEVATIONS AND MILLWORK DETAILS.
- SEE A-600 SERIES DRAWINGS FOR ENLARGED SHAFT PLANS AND SECTIONS.
- SEE A-700 SERIES DRAWINGS FOR DOOR SCHEDULES & ELEVATIONS, HARDWARE SETS, WINDOW ELEVATIONS AND DETAILS.
- SEE A-800 SERIES DRAWINGS FOR FINISH PLANS, LEGEND AND SCHEDULES.
- SEE A-900 SERIES DRAWINGS FOR FURNITURE, FIXTURE & EQUIPMENT PLANS AND SCHEDULES.
- REFER TO CIVIL, STRUCTURAL, MEPFP & FA AND SECURITY / TELE - DATA DRAWINGS FOR ADDITIONAL INFORMATION.



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

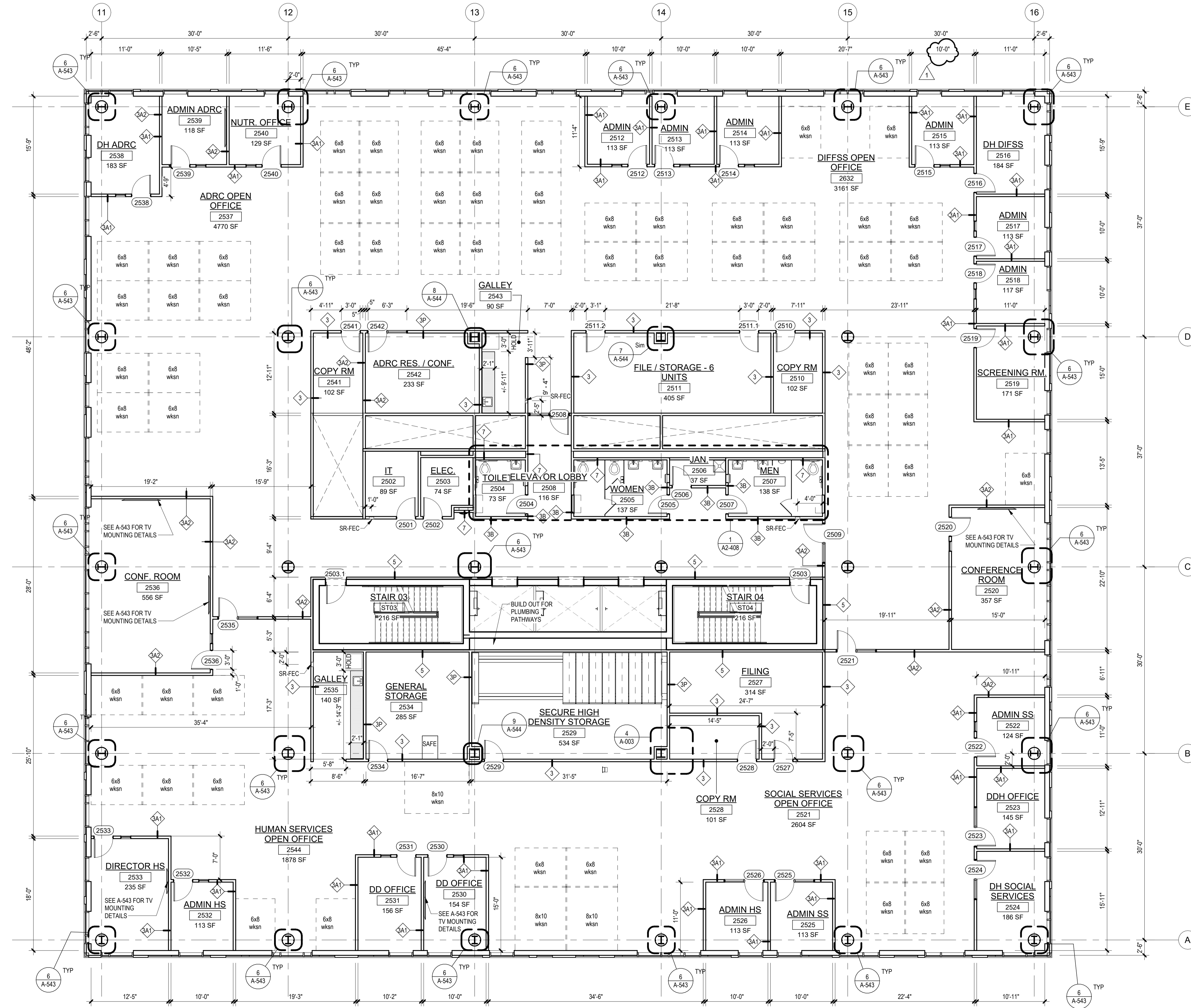
Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

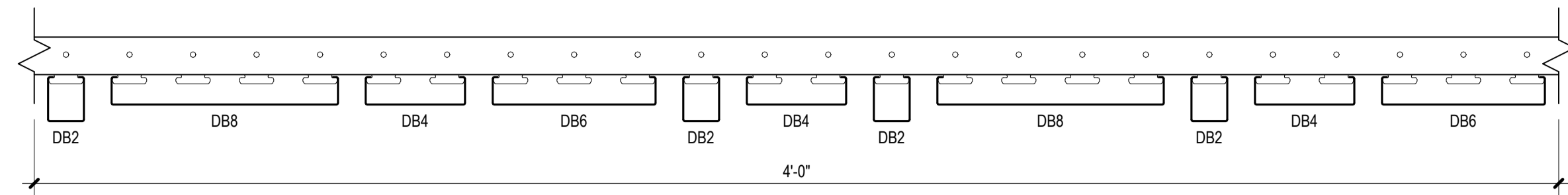
Sheet Name:
BUILDING NO. 2 - LEVEL 5 - FLOOR PLAN

Sheet No:

A2-115

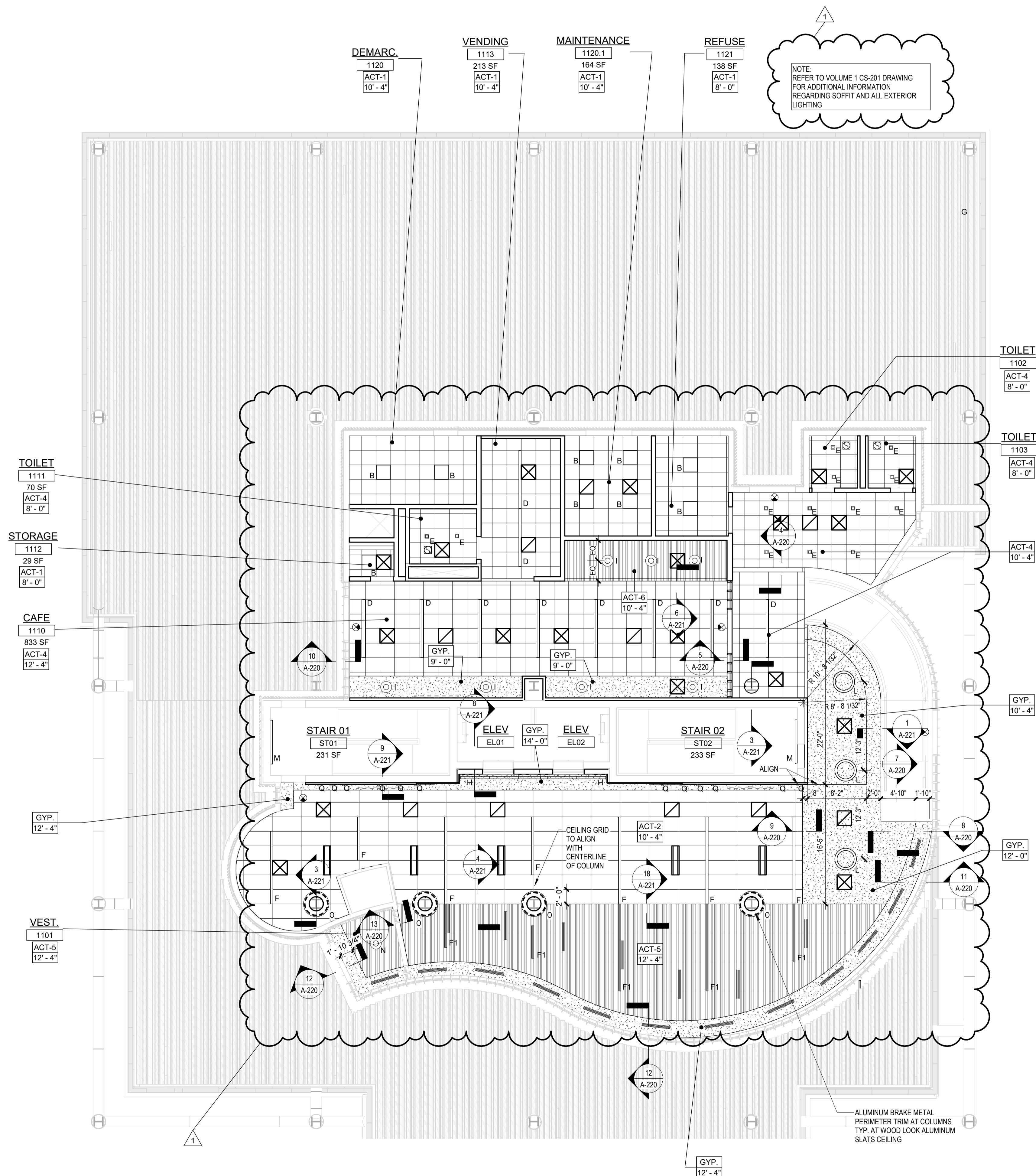


1 BLDG 2 - LEVEL 5 - FLOOR PLAN
SCALE: 1/8" = 1'-0"



- NOTES:**
1. BASIS OF DESIGN
MANUFACTURER: CERTANTEED
PRODUCT: MULTI BOX CONTINUOUS (*HOTEL* PATTERN)
 2. INTEGRATED LIGHT FIXTURE ONLY TO OCCUR AT DB4 LOCATIONS. REFER TO RCP FOR APPROXIMATE LOCATION AND QUANTITY.

2 SLATTED SOFFIT PATTERN TYPICAL AT LOBBY CEILING TYPE ACT-5
SCALE: 3" = 1'-0"



1 BLDG 1 - LEVEL 1 - GROUND FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

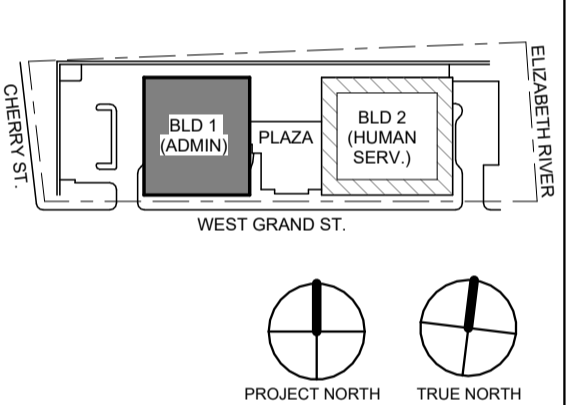
REFLECTED CEILING PLAN NOTES:

- BORDERS AT LAY-IN ACOUSTICAL CEILING PANELS SHALL BE CUT TO MATCH FACTORY EDGE PROFILE. NO EXPOSED FASTENERS SHALL BE PERMITTED INCLUDING POP RIVETS AND TAPPETS.
- HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN, U.O.N.
- ALL LIGHT FIXTURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. ARCHITECT TO REVIEW CEILING LAYOUT INCLUDING BULKHEADS AND GRID PRIOR TO INSTALLATION.
- LIGHT FIXTURE TYPES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS ARE NOTED FOR QUANTITIES AND LOCATIONS ONLY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SPECIFICATIONS, SWITCHING, EXIT LIGHTS, EMERGENCY LIGHTING, LIFE SAFETY EQUIPMENT AND CIRCUITING.
- MECHANICAL INFORMATION SHOWN ON THIS PLAN IS FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR DIFFUSER LOCATIONS AND FOR ADDITIONAL INFORMATION REGARDING ALL HVAC EQUIPMENT INCLUDING HVAC REGISTERS, GRILLS, ETC.
- DIMENSIONED LIGHT FIXTURES ARE FROM FINISHED FACE OF PARTITIONS TO CENTERLINE OF FIXTURE TO CENTERLINE OF FIXTURE. ANY DISCREPANCIES WITH LOCATION OF LIGHT FIXTURES, SWITCHES, THERMOSTATS, OR DIFFUSERS BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS SHALL BE CLARIFIED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS THAT INCORPORATES ALL TRADES AS REQUIRED BY THE SPECIFICATIONS.
- LIGHT FIXTURES, DIFFUSERS, GRILLES AND ALL OTHER SYSTEM DEVICES SHALL BE LOCATED CENTERED ON CEILING TILES, U.O.N.
- ALL ACOUSTICAL TILE CEILINGS SHALL BE CENTERED WITHIN EACH ROOM U.O.N.
- ALL FLUSH MOUNTED LIGHT FIXTURES MOUNTED WITHIN A GYPSUM BOARD CEILING SHALL BE FITTED WITH FLUSH TRIM.
- WHERE DUCTWORK, CONDUIT, AND PIPING MUST CROSS OPEN CEILINGS, ALL WORK SHALL BE EXECUTED TO PRESENT A NEAT AND MINIMAL APPEARANCE.
- ALL EXPOSED WORK SHALL RUN PARALLEL OR PERPENDICULAR TO STRUCTURE, WITH 90 DEGREE BENDS.
- LOCATE WORK SO AS TO MINIMIZE EXPOSED. LOCATE WORK AS CLOSE AS POSSIBLE TO ADJACENT WALLS OR CEILING PLANES.
- PROVIDE ADDITIONAL STRUT SUPPORT SYSTEM TO SUPPORT FIXTURES WHERE LIGHT FIXTURES ARE NOT MOUNTED BELOW STRUCTURAL MEMBERS-DO NOT MOUNT TO ROOF DECK, TYP.
- WHERE EXPOSED STRUCTURE IS INDICATED, ALL EXPOSED ROOF DECK, STRUCTURAL STEEL, CONCRETE BEAMS & DECK, PIPES, DUCTS, CONDUITS, ETC. SHALL BE PAINTED TO MATCH CEILING COLOR. SEE FINISH SCHEDULE.
- DOWNLIGHTS SHALL BE SYMMETRICALLY CENTERED IN ACOUSTICAL CEILING TILE AND GYPSUM BOARD CEILINGS U.O.N.
- PROVIDE SOFFIT TRANSITIONS BETWEEN ACT CEILINGS AND GYPSUM BOARD CEILINGS.
- FURNISH AN INSTALL ACCESS DOORS IN GYP. BD. CEILINGS AS REQUIRED TO PROVIDE ACCESS TO ABOVE-CEILING VAV BOXES, DAMPERS, VALVES, EQUIPMENT, ETC. SEE MEP DRAWINGS FOR LOCATIONS AND SPECIFICATIONS. COORDINATE FINAL LOCATIONS WITH DESIGNER PRIOR TO INSTALLATION.
- ALL GYP. BD. CEILINGS IN WET AREAS SUCH AS TOILET ROOMS, BATHROOMS, AND JANITORS CLOSETS SHALL RECEIVE MOISTURE AND MOLD RESISTANT GYP. BD. AS PER SPECIFICATIONS.
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING CEILING TYPES.
- SEE A-220 SERIES DRAWINGS FOR TYPICAL CEILING DETAILS, U.O.N.
- ALL EXTERIOR WINDOWS WILL HAVE MANUAL ROLLER SHADES. REFER TO SPECIFICATIONS AND A-220 SERIES DRAWINGS FOR LOCATION AND DETAILS.
- ALL TRAINING ROOMS AND COMMISSIONER MEETING ROOM WILL HAVE POWERED ROLLER SHADES WITH BOTH SOLAR AND BLACKOUT CAPABILITY TO REFER TO SPECIFICATIONS.
- ALL GYP. BOARD SOFFITS AND FASCIAS TO BE PAINTED (PNT-2) U.O.N.

RCP LEGEND

Room name	ROOM NAME
101	ROOM NUMBER
ACT-1	CEILING TYPE
10'-0"	CEILING HEIGHT
[Symbol]	GYPSUM BOARD CEILING
[Symbol]	2' BY 2' SUSPENDED CEILING GRID. CEILING HEIGHT INDICATED ON PLANS. GRID TO BE CENTERED IN AREA U.O.N.
[Symbol]	4' BY 4' SUSPENDED CEILING GRID. CEILING HEIGHT INDICATED ON PLANS. GRID TO BE CENTERED IN AREA U.O.N.
[Symbol]	HVAC - RETURN
[Symbol]	HVAC - SUPPLY
[Symbol]	HVAC - LINEAR SUPPLY
[Symbol]	HVAC - BATHROOM EXHAUST FAN
A	2'-0" X 2'-0" RECESSED TROFFEE CEILING LIGHT FIXTURE (TYPE A)
B	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B)
C	2" x VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) MOUNTING HEIGHT - 8'-0" A.F.F.
D	2" x 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
D1	2" x 6'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D1)
D2	2" x 4'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D2)
E	4" SQUARE RECESSED DOWNLIGHT FIXTURE (TYPE E)
F	RECESSED DIRECT LINEAR FIXTURE, VARYING LENGTHS (TYPE F)
F1	LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F1)
G	4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
H	LINEAR WALL GRAZER LIGHT (TYPE H)
I	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE I) AT CAFE
J	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE J)
K	LED ADJUSTABLE SPOT LIGHT FIXTURE (TYPE K)
L	3'-0" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
M	6'-0" LINEAR SURFACE WALL MOUNT LIGHT FIXTURE (TYPE M) MOUNTING HEIGHT - 8'-0" ABOVE LANDING TO 4" OF FIXTURE AT EGRESS STAIRS MOUNTING HEIGHT - 7'-4" ABOVE LANDING TO 4" OF FIXTURE AT E.M.R.
N	DECORATIVE ROUND SUSPENDED PENDANT LIGHT WITHIN VESTIBULE (TYPE N)
O	COVE LIGHTING AT COLUMN (TYPE O)
P	LED TAPE LIGHT AT DESK TRANSACTION TOP (TYPE P). SEE FLOOR PLAN FOR LOCATIONS.
P1	LED TAPE LIGHT AT COVE CEILING
Q	VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
R	SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R)
S	SURFACE MOUNTED RING FIXTURE (TYPE S)
T	LINEAR WALL GRAZER LIGHT
U	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE U)
V	48" DECORATIVE RING SUSPENDED PENDANT LIGHT (TYPE V)
W	1" LINEAR EXTERIOR COVE LIGHT (TYPE W)
[Symbol]	6" CEILING DOWNLIGHT RECESSED CAN
[Symbol]	EXIT SIGN
[Symbol]	FA CEILING MOUNTED SPEAKER & STROBE
[Symbol]	FA CEILING MOUNTED STROBE
[Symbol]	SMOKE DETECTOR
[Symbol]	12" x 12" ACCESS DOOR
MS	MOTORIZED SHADES

KEY PLAN:



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA #1 09827100

FINISH NOTES:

- COLUMN / BEAM COVER**
BASIS OF DESIGN
MANUFACTURER: CENTRIA
PRODUCT: COLUMN COVERS SERIES 3000
- WOOD LOOK ALUMINUM SLATS: VARYED WIDTH - DEPTH**
BASIS OF DESIGN
MANUFACTURER: CERTANTEED
PRODUCT: MULTI BOX CONTINUOUS
REFER TO DETAIL 2 / A1-202 FOR ADDITIONAL INFORMATION
- MANUAL SHADE SYSTEMS**
BASIS OF DESIGN
MANUFACTURER: MECOSHADE
PRODUCT: MECOSH SYSTEM

TYPICAL CEILING HEIGHTS (BLDG 1):

TYPICAL OPEN OFFICE:	9'-5" A.F.F. (2' x 4' ACT-3)
TYPICAL PRIVATE OFFICE:	9'-5" A.F.F. (2' x 2' ACT-4)
TYPICAL CONFERENCE / MEETING ROOM:	9'-5" A.F.F.
TYPICAL STORAGE / FILE / COPY ROOM:	8'-0" A.F.F. (2' x 2' ACT-1)
ELEVATOR COBE:	9'-5" / 10'-5" A.F.F.
RESTROOMS:	8'-0" A.F.F. (ACT-3 OR ACT-4)

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BUILDING NO. 1 - LEVEL 1 - GROUND FLOOR REFLECTED CEILING PLAN

Sheet No:

A1-201

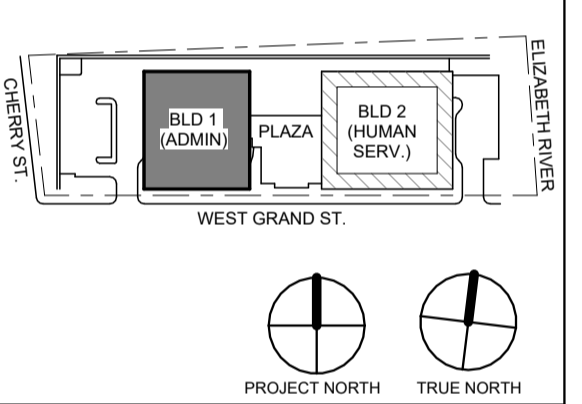
REFLECTED CEILING PLAN NOTES:

- A. BORDERS AT LAY-IN ACOUSTICAL CEILING PANELS SHALL BE CUT TO MATCH FACTORY EDGE PROFILE. NO EXPOSED FASTENERS SHALL BE PERMITTED INCLUDING POP RIVETS AND TAPSETS.
- B. HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN. U.O.N.
- C. ALL LIGHT FIXTURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. ARCHITECT TO REVIEW CEILING LAYOUT INCLUDING BULKHEADS AND GRID PRIOR TO INSTALLATION.
- D. LIGHT FIXTURE TYPES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS ARE NOTED FOR QUANTITIES AND LOCATIONS ONLY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SPECIFICATIONS, SWITCHING, EXIT LIGHTS, EMERGENCY LIGHTING, LIFE SAFETY EQUIPMENT AND CIRCUITING.
- E. MECHANICAL INFORMATION SHOWN ON THIS PLAN IS FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR DIFFUSER LOCATIONS AND FOR ADDITIONAL INFORMATION REGARDING ALL HVAC EQUIPMENT INCLUDING HVAC REGISTERS, GRILLS, ETC.
- F. DIMENSIONED LIGHT FIXTURES ARE FROM FINISHED FACE OF PARTITIONS TO CENTERLINE OF FIXTURE TO CENTERLINE OF FIXTURE. ANY DISCREPANCIES WITH LOCATION OF LIGHT FIXTURES, SWITCHES, THERMOSTATS OR DIFFUSERS BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS SHALL BE CLARIFIED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- G. THE CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS THAT INCORPORATES ALL TRADES AS REQUIRED BY THE SPECIFICATIONS.
- H. LIGHT FIXTURES, DIFFUSERS, GRILLS AND ALL OTHER SYSTEM DEVICES SHALL BE LOCATED CENTERED ON CEILING TILES, U.O.N.
- I. ALL ACOUSTICAL TILE CEILINGS SHALL BE CENTERED WITHIN EACH ROOM U.O.N.
- J. ALL FLUSH MOUNTED LIGHT FIXTURES MOUNTED WITHIN A GYPSUM BOARD CEILING SHALL BE FITTED WITH FLUSH TRIM.
- K. WHERE DUCTWORK, CONDUIT, AND PIPING MUST CROSS OPEN CEILINGS. ALL WORK SHALL BE EXECUTED TO PRESENT A NEAT AND MINIMAL APPEARANCE.
- L. ALL EXPOSED WORK SHALL RUN PARALLEL OR PERPENDICULAR TO STRUCTURE, WITH 90 DEGREE BENDS.
- M. LOCATE WORK SO AS TO MINIMIZE EXTENT EXPOSED. LOCATE WORK AS CLOSE AS POSSIBLE TO ADJACENT WALLS OR CEILING PLANES.
- N. PROVIDE ADDITIONAL STRUT SUPPORT SYSTEM TO SUPPORT FIXTURES WHERE LIGHT FIXTURES ARE NOT MOUNTED BELOW STRUCTURAL MEMBERS DO NOT MOUNT TO ROOF DECK, TYP.
- O. WHERE EXPOSED STRUCTURE IS INDICATED, ALL EXPOSED ROOF DECK, STRUCTURAL STEEL, CONCRETE BEAMS & DECK, PIPES, DUCTS, CONDUITS, ETC. SHALL BE PAINTED TO MATCH CEILING COLOR. SEE FINISH SCHEDULE.
- P. DOWNLIGHTS SHALL BE SYMMETRICALLY CENTERED IN ACOUSTICAL CEILING TILE AND GYPSUM BOARD CEILINGS U.O.N.
- Q. PROVIDE SOFFIT TRANSITIONS BETWEEN ACT CEILINGS AND GYPSUM BOARD CEILINGS.
- R. FURNISH AN INSTALL ACCESS DOORS IN GYP. RD. CEILINGS AS REQUIRED TO PROVIDE ACCESS TO ABOVE-CEILING VAV BOXES, DAMPERS, VALVES, EQUIPMENT, ETC. SEE MEP DRAWINGS FOR LOCATIONS AND SPECIFICATIONS. COORDINATE FINAL LOCATIONS WITH DESIGNER PRIOR TO INSTALLATION.
- S. ALL GYP. RD. CEILINGS IN WET AREAS SUCH AS TOILET ROOMS, BATHROOMS, AND JANITORS CLOSETS SHALL RECEIVE MOISTURE AND MOLD RESISTANT GYP. RD. AS PER SPECIFICATIONS.
- T. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING CEILING TYPES.
- U. SEE A-220 SERIES DRAWINGS FOR TYPICAL CEILING DETAILS, U.O.N.
- V. ALL EXTERIOR WINDOWS WILL HAVE MANUAL ROLLER SHADES. REFER TO SPECIFICATIONS AND A-220 SERIES DRAWINGS FOR LOCATION AND DETAILS.
- W. ALL TRAINING ROOMS AND COMMISSIONER MEETING ROOM WILL HAVE POWERED ROLLER SHADES WITH BOTH SOLAR AND BLACKOUT CAPABILITY TO REFER TO SPECIFICATIONS.
- X. ALL GYP. BOARD SOFFITS AND FASCIAS TO BE PAINTED (PNT-2) U.O.N.

RCP LEGEND

Room name	ROOM NAME
101	ROOM NUMBER
ACT-1	CEILING TYPE
10'-0"	CEILING HEIGHT
[Pattern]	GYPSUM BOARD CEILING
[Pattern]	2' BY 2' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
[Pattern]	4' BY 4' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
[Symbol]	HVAC - RETURN
[Symbol]	HVAC - SUPPLY
[Symbol]	HVAC - LINEAR SUPPLY
[Symbol]	HVAC - BATHROOM EXHAUST FAN
A	2'-0" X 2'-0" RECESSED TROFFER CEILING LIGHT FIXTURE (TYPE A)
B	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B)
C	2' x VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) MOUNTING HEIGHT - 8'-0" A.F.F.
D	2' x 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
D1	2' x 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D1)
D2	2' x 4'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D2)
E	4' SQUARE RECESSED DOWNLIGHT FIXTURE (TYPE E)
F	RECESSED DIRECT LINEAR FIXTURE, VARYING LENGTHS (TYPE F)
F1	LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F1)
G	4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
H	LINEAR WALL GRAZER LIGHT (TYPE H)
I	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE I) AT CAPE
J	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE J)
K	LED ADJUSTABLE SPOT LIGHT FIXTURE (TYPE K)
L	3'-0" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
M	6'-0" LINEAR SURFACE WALL MOUNT LIGHT FIXTURE (TYPE M) MOUNTING HEIGHT - 8'-0" ABOVE LANDING TO 4'-0" FIXTURE AT EGRESS STAIRS MOUNTING HEIGHT - 7'-4" ABOVE LANDING TO 4'-0" FIXTURE AT E.M.R.
N	DECORATIVE ROUND SUSPENDED PENDANT LIGHT WITHIN VESTIBULE (TYPE N)
O	COVE LIGHTING AT COLUMN (TYPE O)
P	LED TAPE LIGHT AT DESK TRANSACTION TOP (TYPE P). SEE FLOOR PLAN FOR LOCATIONS.
P1	LED TAPE LIGHT AT COVE CEILING
Q	VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
R	SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R)
S	SURFACE MOUNTED RING FIXTURE (TYPE S)
T	LINEAR WALL GRAZER LIGHT
U	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE U)
V	48" DECORATIVE RING SUSPENDED PENDANT LIGHT (TYPE V)
W	1" LINEAR EXTERIOR COVE LIGHT (TYPE W)
[Symbol]	6" CEILING DOWNLIGHT RECESSED CAN
[Symbol]	EXIT SIGN
[Symbol]	FA CEILING MOUNTED SPEAKER & STROBE
[Symbol]	FA CEILING MOUNTED STROBE
[Symbol]	SMOKE DETECTOR
[Symbol]	12" x 12" ACCESS DOOR
MS	MOTORIZED SHADES

KEY PLAN:



No.	Date	Description
1	12.01.2023	Addendum No. 1
11	08.2023	For Public Bid

Revisions / Issues

DiGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA #A10927100

FINISH NOTES:

- COLUMN / BEAM COVER**
- BASIS OF DESIGN
MANUFACTURER: CENTRA
PRODUCT: COLUMN COVERS SERIES 3000
- WOOD LOOK ALUMINUM SLATS VARYED WIDTH + DEPTH**
- BASIS OF DESIGN
MANUFACTURER: CERTANTEED
PRODUCT: MULTI BOX CONTINUOUS
REFER TO DETAIL 2 / A1-202 FOR ADDITIONAL INFORMATION
- MANUAL SHADE SYSTEMS**
- BASIS OF DESIGN
MANUFACTURER: MECOSHADO
PRODUCT: MECOHS SYSTEM

TYPICAL CEILING HEIGHTS (BLDG 1):

TYPICAL OPEN OFFICE:	9'-5" A.F.F. (2' x 4' ACT-3)
TYPICAL PRIVATE OFFICE:	9'-5" A.F.F. (2' x 2' ACT-4)
TYPICAL CONFERENCE / MEETING ROOM:	9'-5" A.F.F.
TYPICAL STORAGE / FILE / COPY ROOM:	8'-0" A.F.F. (2' x 2' ACT-1)
ELEVATOR CORE:	9'-5" / 10'-0" A.F.F.
BESTROOMS:	8'-0" A.F.F. (ACT-3 OR ACT-4)

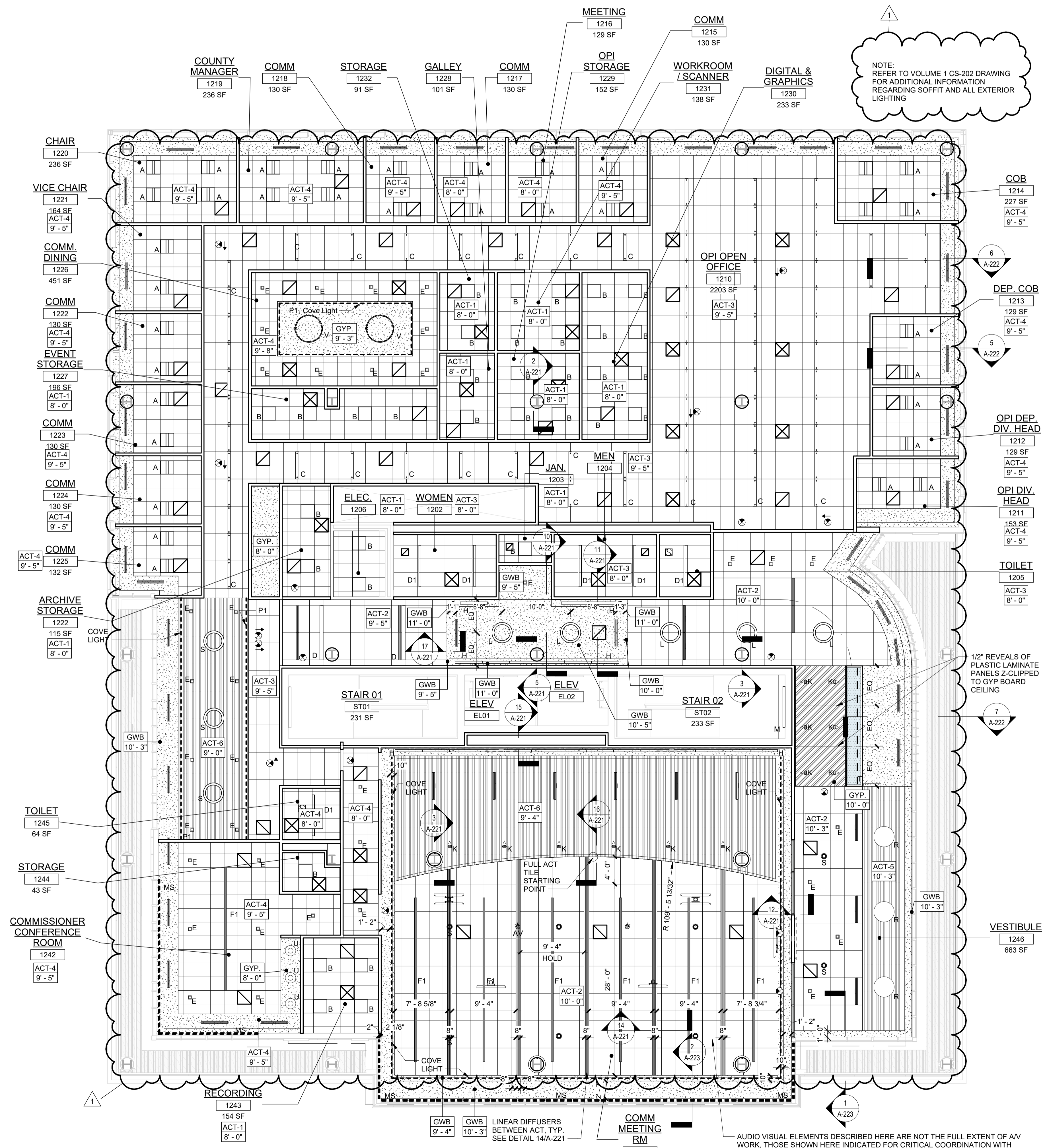
Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

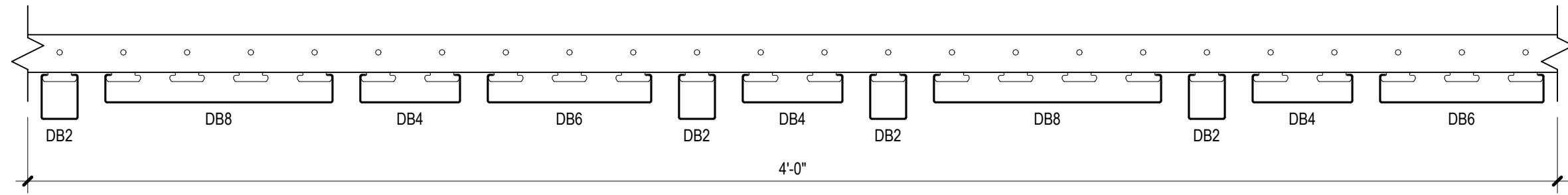
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name: BUILDING NO. 1 - LEVEL 2 - REFLECTED CEILING PLAN

Sheet No: A1-202



1 BLDG 1 - LEVEL 2 - REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



- NOTES:**
1. BASIS OF DESIGN
MANUFACTURER: CERTAINTED
PRODUCT: MULTI BOX CONTINUOUS (HOTEL- PATTERN)
 2. INTEGRATED LIGHT FIXTURE ONLY TO OCCUR AT D84 LOCATIONS. REFER TO RCP FOR APPROXIMATE LOCATION AND QUANTITY.

2 SLATTED SOFFIT PATTERN TYPICAL AT LOBBY CEILING TYPE ACT-6
SCALE: 3" = 1'-0"

TYPICAL CEILING HEIGHTS (BLDG 2):

TYPICAL OPEN OFFICE:	9'-5" A.F.F.
TYPICAL PRIVATE OFFICE:	9'-5" A.F.F.
TYPICAL CONFERENCE / MEETING ROOM:	9'-5" A.F.F.
TYPICAL STORAGE / FILE / COPY ROOM:	8'-0" A.F.F.
ELEVATOR CORE:	9'-5" / 10'-5" A.F.F.
RESTROOMS:	8'-0" A.F.F.

FINISH NOTES:

- COLUMN / BEAM COVER**
BASIS OF DESIGN
MANUFACTURER: CENTRIA
PRODUCT: COLUMN COVERS SERIES 3000
- WOOD LOOK ALUMINUM SLATS VARIED WIDTH + DEPTH**
BASIS OF DESIGN
MANUFACTURER: CERTAINTED
PRODUCT: MULTI BOX CONTINUOUS
REFER TO DETAIL 2 / A2-210 FOR ADDITIONAL INFORMATION
- MANUAL SHADE SYSTEMS**
BASIS OF DESIGN
MANUFACTURER: MECOHSIDE
PRODUCT: MECOHS SYSTEM

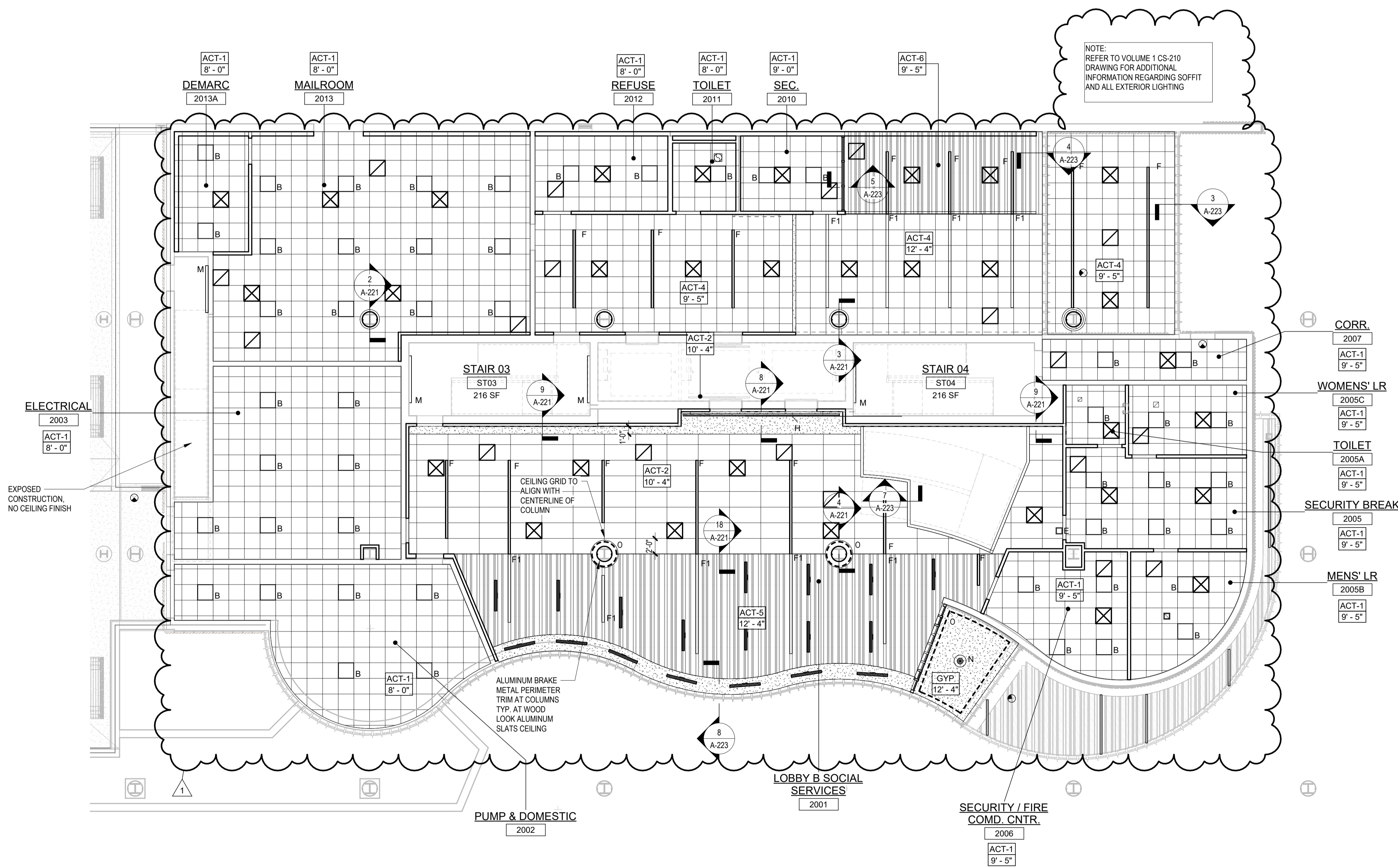
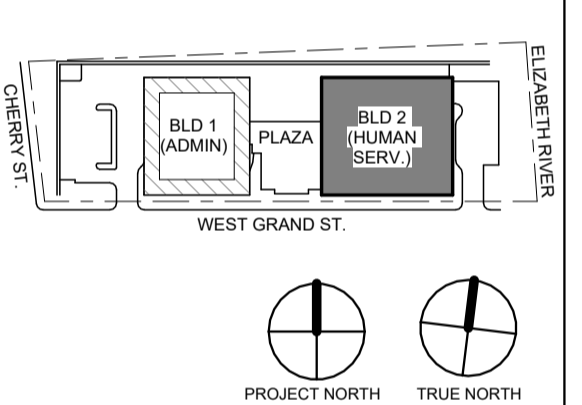
REFLECTED CEILING PLAN NOTES:

- BORDERS AT LAY-IN ACOUSTICAL CEILING PANELS SHALL BE CUT TO MATCH FACTORY EDGE PROFILE. NO EXPOSED FASTENERS SHALL BE PERMITTED INCLUDING POP RIVETS AND TAPSETS.
- HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN U.O.N.
- ALL LIGHT FIXTURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. ARCHITECT TO REVIEW CEILING LAYOUT INCLUDING BULKHEADS AND GRID PRIOR TO INSTALLATION.
- LIGHT FIXTURES TYPES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS ARE NOTED FOR QUANTITIES AND LOCATIONS ONLY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SPECIFICATIONS, SWITCHING, EXIT LIGHTS, EMERGENCY LIGHTING, LIFE SAFETY EQUIPMENT AND CIRCUITING.
- MECHANICAL INFORMATION SHOWN ON THIS PLAN IS FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR DIFFUSERS LOCATIONS AND FOR ADDITIONAL INFORMATION REGARDING ALL HVAC EQUIPMENT INCLUDING HVAC REGISTERS, GRILLES, ETC.
- DIMENSIONED LIGHT FIXTURES ARE FROM FINISHED FACE OF PARTITIONS TO CENTERLINE OF FIXTURE. ANY DISCREPANCIES WITH LOCATION OF LIGHT FIXTURES, SWITCHES, THERMOSTATS, OR DIFFUSERS BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS SHALL BE CLARIFIED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS THAT INCORPORATES ALL TRADES AS REQUIRED BY THE SPECIFICATIONS.
- LIGHT FIXTURES, DIFFUSERS, GRILLES AND ALL OTHER SYSTEM DEVICES SHALL BE LOCATED CENTERED ON CEILING TILES, U.O.N.
- ALL ACOUSTICAL TILE CEILINGS SHALL BE CENTERED WITHIN EACH ROOM U.O.N.
- ALL FLUSH MOUNTED LIGHT FIXTURES MOUNTED WITHIN A GYPSUM BOARD CEILING SHALL BE FITTED WITH FLUSH TRIM.
- WHERE DUCTWORK, CONDUIT, AND PIPING MUST CROSS OPEN CEILINGS, ALL WORK SHALL BE EXECUTED TO PRESENT A NEAT AND MINIMAL APPEARANCE.
- ALL EXPOSED WORK SHALL RUN PARALLEL OR PERPENDICULAR TO STRUCTURE, WITH 90 DEGREE BENDS.
- LOCATE WORK SO AS TO MINIMIZE EXPOSED. LOCATE WORK AS CLOSE AS POSSIBLE TO ADJACENT WALLS OR CEILING PLANES.
- PROVIDE ADDITIONAL STRUT SUPPORT SYSTEM TO SUPPORT FIXTURES WHERE LIGHT FIXTURES ARE NOT MOUNTED BELOW STRUCTURAL MEMBERS-DO NOT MOUNT TO ROOF DECK, TYP.
- WHERE EXPOSED STRUCTURE IS INDICATED, ALL EXPOSED ROOF DECK, STRUCTURAL STEEL, CONCRETE BEAMS & DECK, PIPES, DUCTS, CONDUITS, ETC. SHALL BE PAINTED TO MATCH CEILING COLOR. SEE FINISH SCHEDULE.
- DOWLIGHTS SHALL BE SYMMETRICALLY CENTERED IN ACOUSTICAL CEILING TILE AND GYPSUM BOARD CEILINGS U.O.N.
- PROVIDE SOFFIT TRANSITIONS BETWEEN ACT CEILINGS AND GYPSUM BOARD CEILINGS
- FURNISH AN INSTALL ACCESS DOORS IN GYP. BD. CEILINGS AS REQUIRED TO PROVIDE ACCESS TO ABOVE CEILINGS VIA BOXES, DAMPERS, VALVES, EQUIPMENT, ETC. SEE MEP DRAWINGS FOR LOCATIONS AND SPECIFICATIONS. COORDINATE FINAL LOCATIONS WITH DESIGNER PRIOR TO INSTALLATION.
- ALL GYP. BD. CEILINGS IN WET AREAS SUCH AS TOILET ROOMS, BATHROOMS, AND JANITORS CLOSETS SHALL RECEIVE MOISTURE AND MOLD RESISTANT GYP. BD. AS PER SPECIFICATIONS.
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING CEILING TYPES.
- SEE A-220 SERIES DRAWINGS FOR TYPICAL CEILING DETAILS, U.O.N.
- ALL EXTERIOR WINDOWS WILL HAVE MANUAL ROLLER SHADES. REFER TO SPECIFICATIONS AND A-220 SERIES DRAWINGS FOR LOCATION AND DETAILS.
- ALL TRAINING ROOMS AND COMMISSIONER MEETING ROOMS WILL HAVE POWERED ROLLER SHADES WITH BOTH SOLAR AND BLACKOUT CAPABILITY TO REFER TO SPECIFICATIONS.
- ALL GYP. BOARD SOFFITS AND FASCIAS TO BE PAINTED (PNT-2) U.O.N.

RCP LEGEND

Room name	ROOM NAME
101	ROOM NUMBER
ACT-1	CEILING TYPE
10'-0"	CEILING HEIGHT
[Symbol]	GYPSUM BOARD CEILING
[Symbol]	2' BY 2' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
[Symbol]	4' BY 4' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
[Symbol]	HVAC - RETURN
[Symbol]	HVAC - SUPPLY
[Symbol]	HVAC - LINEAR SUPPLY
[Symbol]	HVAC - BATHROOM EXHAUST FAN
A	2'-0" X 2'-0" RECESSED TROFFEE CEILING LIGHT FIXTURE (TYPE A)
B	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B)
C	2" X VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) MOUNTING HEIGHT - 8'-0" A.F.F.
D	2" X 6'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
D1	2" X 6'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D1)
D2	2" X 4'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D2)
E	4" SQUARE RECESSED DOWLIGHT FIXTURE (TYPE E)
F	RECESSED DIRECT LINEAR FIXTURE, VARYING LENGTHS (TYPE F)
F1	LINEAR DIRECT/INDIRECT PENDANT LIGHT FIXTURE, VARYING LENGTHS (TYPE F1)
G	4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
H	LINEAR WALL GRAZER LIGHT (TYPE H)
I	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE I) AT CAFE
J	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE J)
K	LED ADJUSTABLE SPOT LIGHT FIXTURE (TYPE K)
L	3'-0" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
M	6'-0" LINEAR SURFACE WALL MOUNT LIGHT FIXTURE (TYPE M) MOUNTING HEIGHT - 8'-0" ABOVE LANDING TO 4' OF FIXTURE AT EGRESS STAIRS MOUNTING HEIGHT - 7'-4" ABOVE LANDING TO 4' OF FIXTURE AT E.M.R.
N	DECORATIVE ROUND SUSPENDED PENDANT LIGHT WITHIN VESTIBULE (TYPE N)
O	COVE LIGHTING AT COLUMN (TYPE O)
P	LED TAPE LIGHT AT DESK TRANSECTION TOP (TYPE P). SEE FLOOR PLAN FOR LOCATIONS.
P1	LED TAPE LIGHT AT COVE CEILING
Q	VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
R	SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R)
S	SURFACE MOUNTED RING FIXTURE (TYPE S)
T	LINEAR WALL GRAZER LIGHT
U	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE U)
V	48" DECORATIVE RING SUSPENDED PENDANT LIGHT (TYPE V)
W	1' LINEAR EXTERIOR COVE LIGHT (TYPE W)
[Symbol]	6" CEILING DOWLIGHT RECESSED CAN
[Symbol]	EXIT SIGN
[Symbol]	FA CEILING MOUNTED SPEAKER & STROBE
[Symbol]	FA CEILING MOUNTED STROBE
[Symbol]	SMOKE DETECTOR
[Symbol]	12" X 12" ACCESS DOOR
MS	MOTORIZED SHADES

KEY PLAN:



1 BLDG 2 - LEVEL 0 - GROUND FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

No.	Date	Description
1	12.01.2023	Addendum No. 1
11	08.2023	For Public Bid

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA #A10927100

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BUILDING NO. 2 - LEVEL 0 - GROUND FLOOR REFLECTED CEILING PLAN

Sheet No:

A2-210

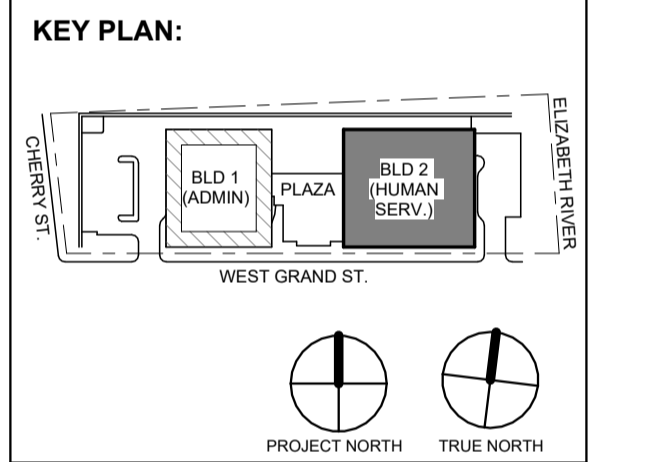
TYPICAL CEILING HEIGHTS (BLDG 2):	
TYPICAL OPEN OFFICE:	9'-5" A.F.F.
TYPICAL PRIVATE OFFICE:	9'-5" A.F.F.
TYPICAL CONFERENCE / MEETING ROOM:	9'-5" A.F.F.
TYPICAL STORAGE / FILE / COPY ROOM:	8'-0" A.F.F.
ELEVATOR CORE:	9'-5" / 10'-5" A.F.F.
RESTROOMS:	8'-0" A.F.F.

FINISH NOTES:	
COLUMN / BEAM COVER	
BASIS OF DESIGN	MANUFACTURER: CENTRIA PRODUCT: COLUMN COVERS SERIES 3000
WOOD LOOK ALUMINUM SLATS VARIED WIDTH + DEPTH	
BASIS OF DESIGN	MANUFACTURER: CERTANTEED PRODUCT: MULTI BOX CONTINUOUS REFER TO DETAIL 2 / A2-210 FOR ADDITIONAL INFORMATION
MANUAL SHADE SYSTEMS	
BASIS OF DESIGN	MANUFACTURER: MECOSHADE PRODUCT: MECOSHADE SYSTEM

REFLECTED CEILING PLAN NOTES:

- BORDERS AT LAY-IN ACOUSTICAL CEILING PANELS SHALL BE CUT TO MATCH FACTORY EDGE PROFILE. NO EXPOSED FASTENERS SHALL BE PERMITTED INCLUDING POP RIVETS AND TAPPETS.
- HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN, U.O.N.
- ALL LIGHT FIXTURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. ARCHITECT TO REVIEW CEILING LAYOUT INCLUDING BULKHEADS AND GRID PRIOR TO INSTALLATION.
- LIGHT FIXTURES TYPES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS ARE NOTED FOR QUANTITIES AND LOCATIONS ONLY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SPECIFICATIONS, SWITCHING, EXIT LIGHTS, EMERGENCY LIGHTING, LIFE SAFETY EQUIPMENT AND CIRCUITING.
- MECHANICAL INFORMATION SHOWN ON THIS PLAN IS FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR DIFFUSER LOCATIONS AND FOR ADDITIONAL INFORMATION REGARDING ALL HVAC EQUIPMENT INCLUDING HVAC REGISTERS, GRILLS, ETC.
- DIMENSIONED LIGHT FIXTURES ARE FROM FINISHED FACE OF PARTITIONS TO CENTERLINE OF FIXTURE TO CENTERLINE OF FIXTURE. ANY DISCREPANCIES WITH LOCATION OF LIGHT FIXTURES, SWITCHES, THERMOSTATS, OR DIFFUSERS BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS SHALL BE CLARIFIED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS THAT INCORPORATES ALL TRADES AS REQUIRED BY THE SPECIFICATIONS.
- LIGHT FIXTURES, DIFFUSERS, GRILLES AND ALL OTHER SYSTEM DEVICES SHALL BE LOCATED CENTERED ON CEILING TILES, U.O.N.
- ALL ACOUSTICAL TILE CEILINGS SHALL BE CENTERED WITHIN EACH ROOM U.O.N.
- ALL FLUSH MOUNTED LIGHT FIXTURES MOUNTED WITHIN A GYPSUM BOARD CEILING SHALL BE FITTED WITH FLUSH TRIM.
- WHERE DUCTWORK, CONDUIT, AND PIPING MUST CROSS OPEN CEILINGS, ALL WORK SHALL BE EXECUTED TO PRESENT A NEAT AND MINIMAL APPEARANCE.
- ALL EXPOSED WORK SHALL RUN PARALLEL OR PERPENDICULAR TO STRUCTURE, WITH 90 DEGREE BENDS.
- LOCATE WORK SO AS TO MINIMIZE EXPOSED. LOCATE WORK AS CLOSE AS POSSIBLE TO ADJACENT WALLS OR CEILING PLANES.
- PROVIDE ADDITIONAL STRUT SUPPORT SYSTEM TO SUPPORT FIXTURES WHERE LIGHT FIXTURES ARE NOT MOUNTED BELOW STRUCTURAL MEMBERS-DO NOT MOUNT TO ROOF DECK, TYP.
- WHERE EXPOSED STRUCTURE IS INDICATED, ALL EXPOSED ROOF DECK, STRUCTURAL STEEL, CONCRETE BEAMS & DECK, PIPES, DUCTS, CONDUITS, ETC. SHALL BE PAINTED TO MATCH CEILING COLOR. SEE FINISH SCHEDULE.
- DOWNLIGHTS SHALL BE SYMMETRICALLY CENTERED IN ACOUSTICAL CEILING TILE AND GYPSUM BOARD CEILINGS U.O.N.
- PROVIDE SOFFIT TRANSITIONS BETWEEN ACT CEILINGS AND GYPSUM BOARD CEILINGS
- FURNISH AN INSTALL ACCESS DOORS IN GYP. BD. CEILINGS AS REQUIRED TO PROVIDE ACCESS TO ABOVE-CEILING VAV BOXES, DAMPERS, VALVES, EQUIPMENT, ETC. SEE MEP DRAWINGS FOR LOCATIONS AND SPECIFICATIONS, COORDINATE FINAL LOCATIONS WITH DESIGNER PRIOR TO INSTALLATION.
- ALL GYP. BD. CEILINGS IN WET AREAS SUCH AS TOILET ROOMS, BATHROOMS, AND JANITORS CLOSETS SHALL RECEIVE MOISTURE AND MOLD RESISTANT GYP. BD. AS PER SPECIFICATIONS.
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING CEILING TYPES.
- SEE A-220 SERIES DRAWINGS FOR TYPICAL CEILING DETAILS, U.O.N.
- ALL EXTERIOR WINDOWS WILL HAVE MANUAL ROLLER SHADES. REFER TO SPECIFICATIONS AND A-220 SERIES DRAWINGS FOR LOCATION AND DETAILS.
- ALL TRAINING ROOMS AND COMMISSIONER MEETING ROOMS WILL HAVE POWERED ROLLER SHADES WITH BOTH SOLAR AND BLACKOUT CAPABILITY TO REFER TO SPECIFICATIONS.
- ALL GYP. BOARD SOFFITS AND FASCIAS TO BE PAINTED (PNT-2) U.O.N.

RCP LEGEND	
Room name	ROOM NAME
101	ROOM NUMBER
ACT-1	CEILING TYPE
10'-0"	CEILING HEIGHT
[Symbol]	GYPSUM BOARD CEILING
[Symbol]	2' BY 2' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
[Symbol]	4' BY 4' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
[Symbol]	HVAC - RETURN
[Symbol]	HVAC - SUPPLY
[Symbol]	HVAC - LINEAR SUPPLY
[Symbol]	HVAC - BATHROOM EXHAUST FAN
A	2'-0" X 2'-0" RECESSED TROFFER CEILING LIGHT FIXTURE (TYPE A)
B	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B)
C	2' X VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) MOUNTING HEIGHT - 8'-0" A.F.F.
D	2' X 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
D1	2' X 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D1)
D2	2' X 4'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D2)
E	4" SQUARE RECESSED DOWNLIGHT FIXTURE (TYPE E)
F	RECESSED DIRECT LINEAR FIXTURE, VARYING LENGTHS (TYPE F)
F1	LINEAR DIRECT/INDIRECT PENDANT LIGHT FIXTURE, VARYING LENGTHS (TYPE F1)
G	4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
H	LINEAR WALL GRAZER LIGHT (TYPE H)
I	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE I) AT CAPE
J	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE J)
K	LED ADJUSTABLE SPOT LIGHT FIXTURE (TYPE K)
L	3'-0" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
M	6'-0" LINEAR SURFACE WALL MOUNT LIGHT FIXTURE (TYPE M) MOUNTING HEIGHT - 8'-0" ABOVE LANDING TO 4' OF FIXTURE AT EGRESS STAIRS MOUNTING HEIGHT - 7'-4" ABOVE LANDING TO 4' OF FIXTURE AT E.M.R.
N	DECORATIVE ROUND SUSPENDED PENDANT LIGHT WITHIN VESTIBULE (TYPE N)
O	COVE LIGHTING AT CORNER (TYPE O)
P	LED TAPE LIGHT AT DESK TRANSACTION TOP (TYPE P). SEE FLOOR PLAN FOR LOCATIONS.
P1	LED TAPE LIGHT AT COVE CEILING
Q	VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
R	SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R)
S	SURFACE MOUNTED RING FIXTURE (TYPE S)
T	LINEAR WALL GRAZER LIGHT
U	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE U)
V	48" DECORATIVE RING SUSPENDED PENDANT LIGHT (TYPE V)
W	1" LINEAR EXTERIOR COVE LIGHT (TYPE W)
[Symbol]	6" CEILING DOWNLIGHT RECESSED CAN
[Symbol]	EXIT SIGN
[Symbol]	FA CEILING MOUNTED SPEAKER & STROBE
[Symbol]	FA CEILING MOUNTED STROBE
[Symbol]	SMOKE DETECTOR
[Symbol]	12' x 12' ACCESS DOOR
MS	MOTORIZED SHADES



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

Revisions / Issues

DiGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA #1 09827100

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

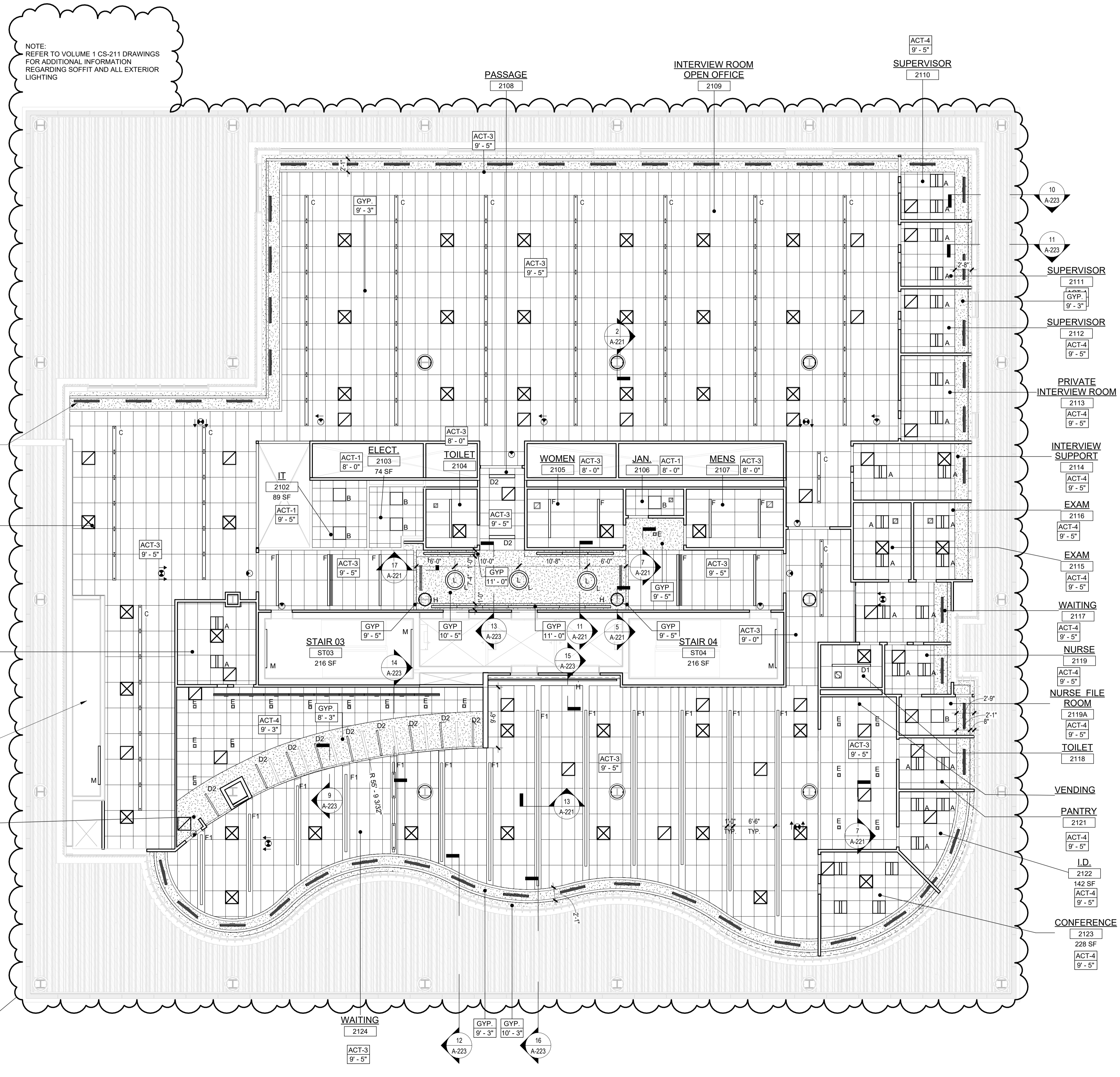
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

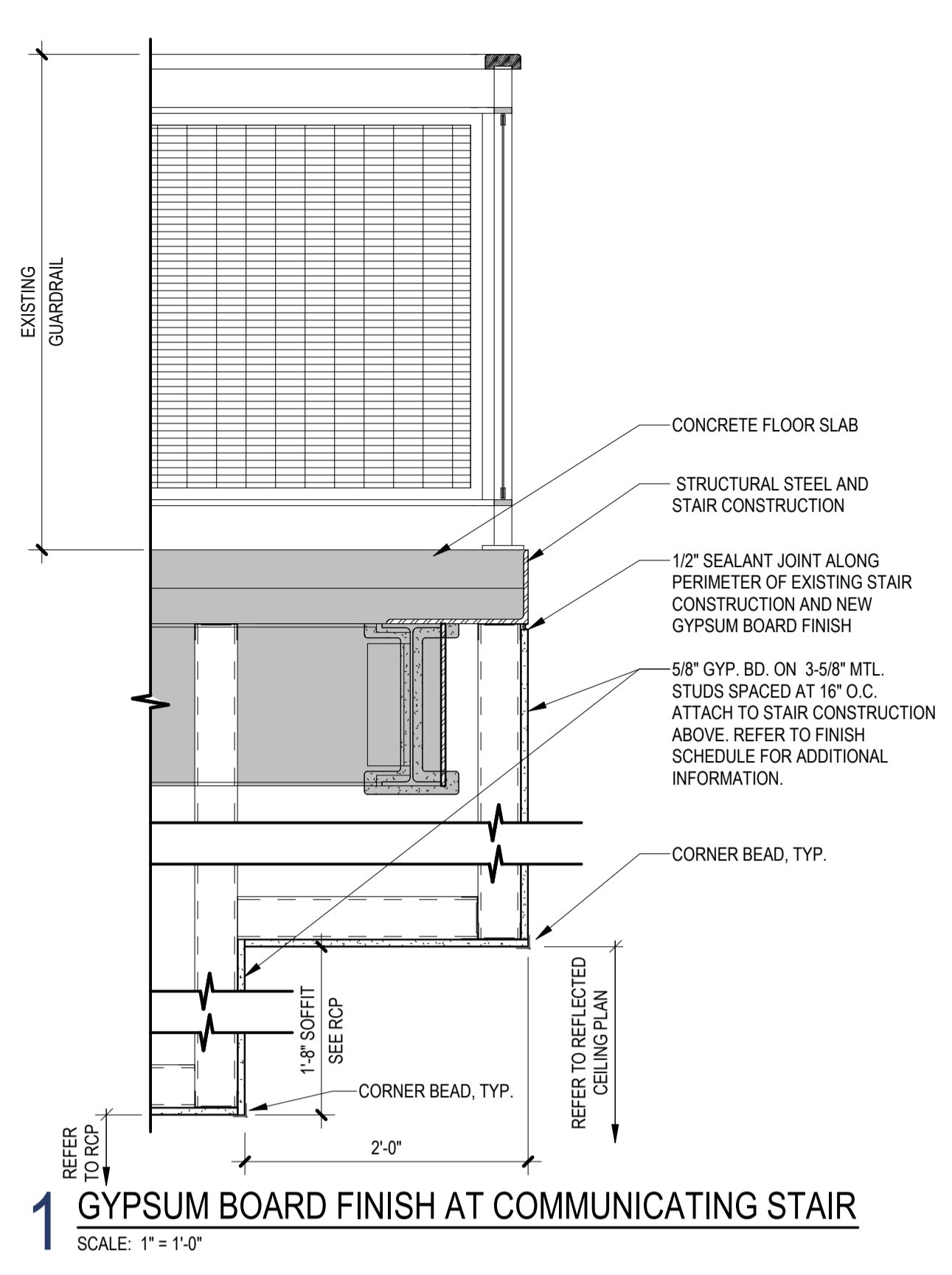
Sheet Name:
BUILDING NO. 2 - LEVEL 1 - REFLECTED CEILING PLAN

Sheet No:
A2-211

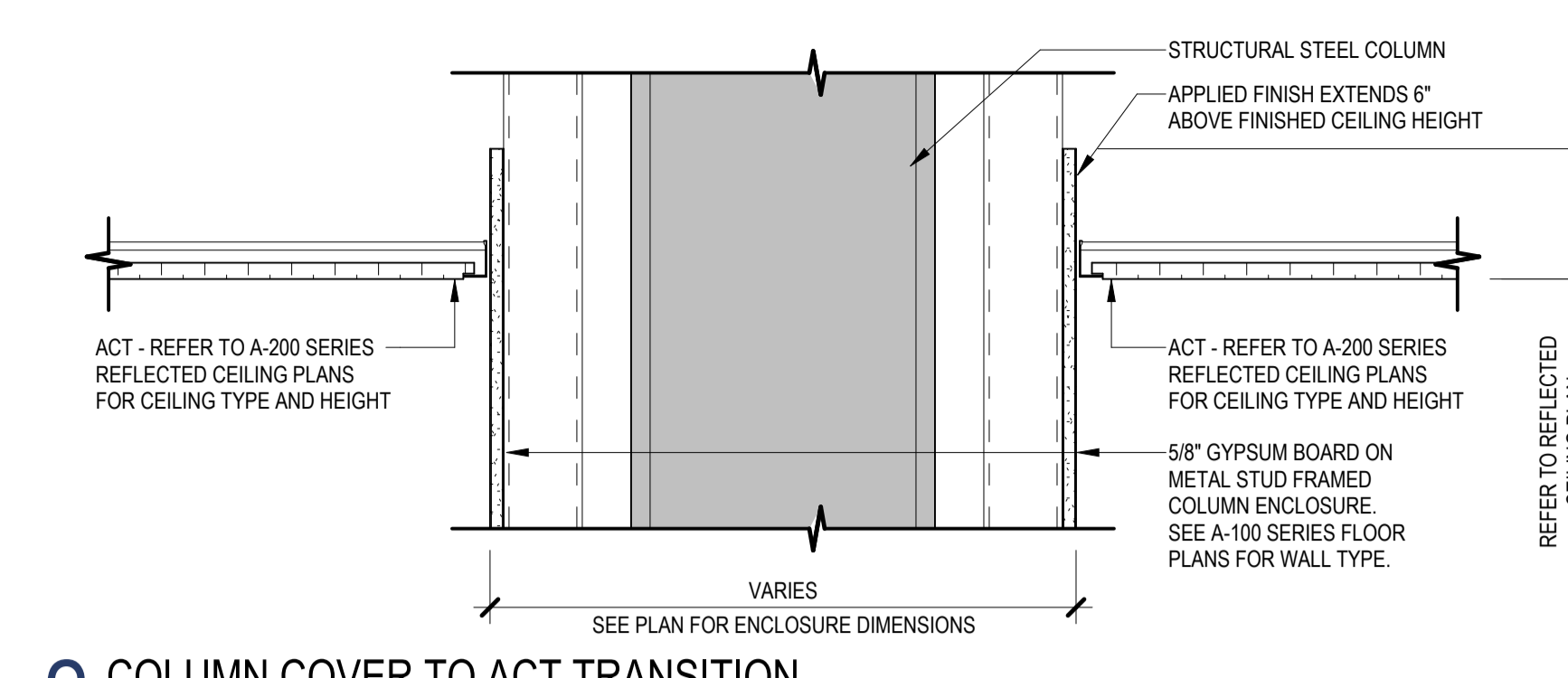


NOTE:
REFER TO VOLUME 1 CS-211 DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SOFFIT AND ALL EXTERIOR LIGHTING

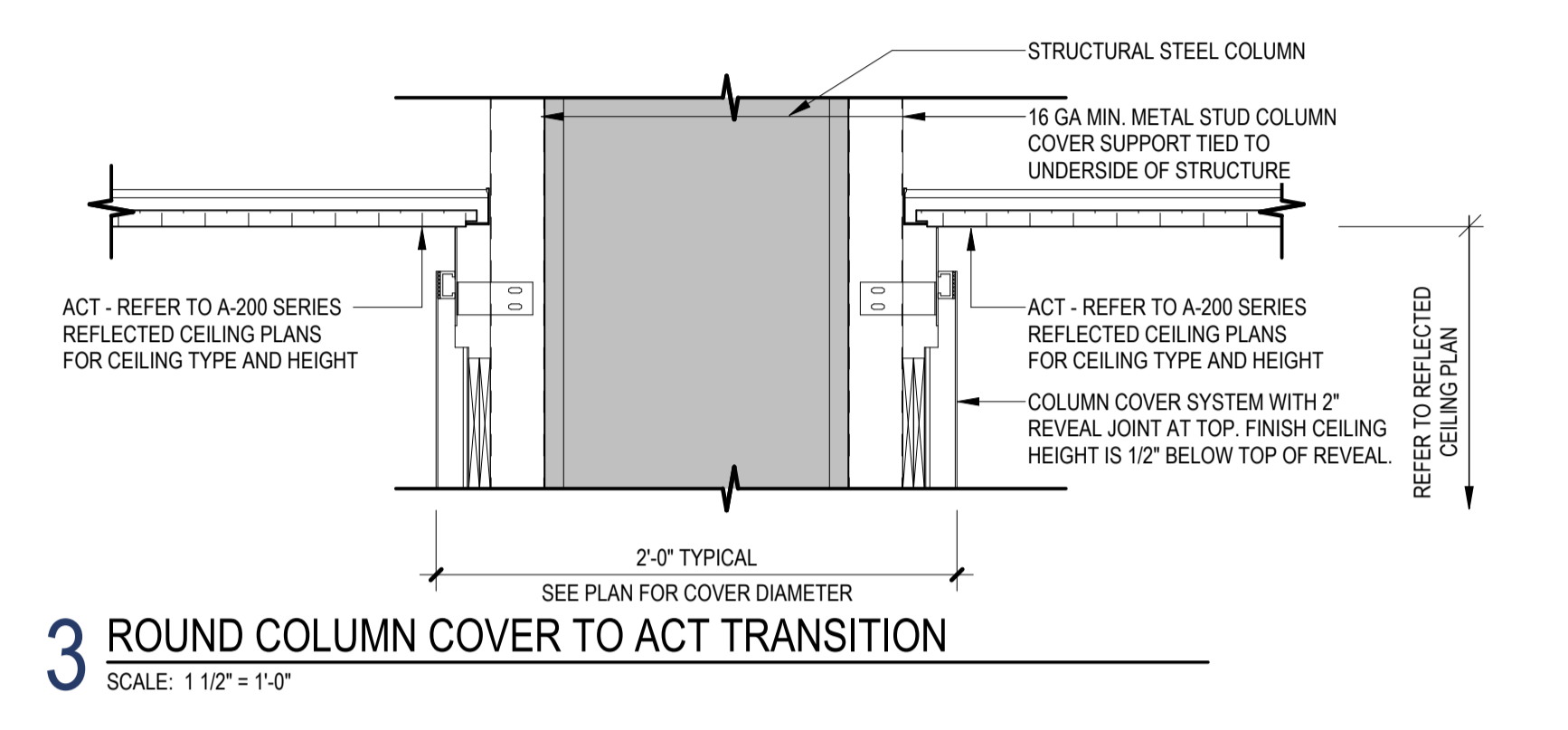
1 BLDG 2 - LEVEL 1 - REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



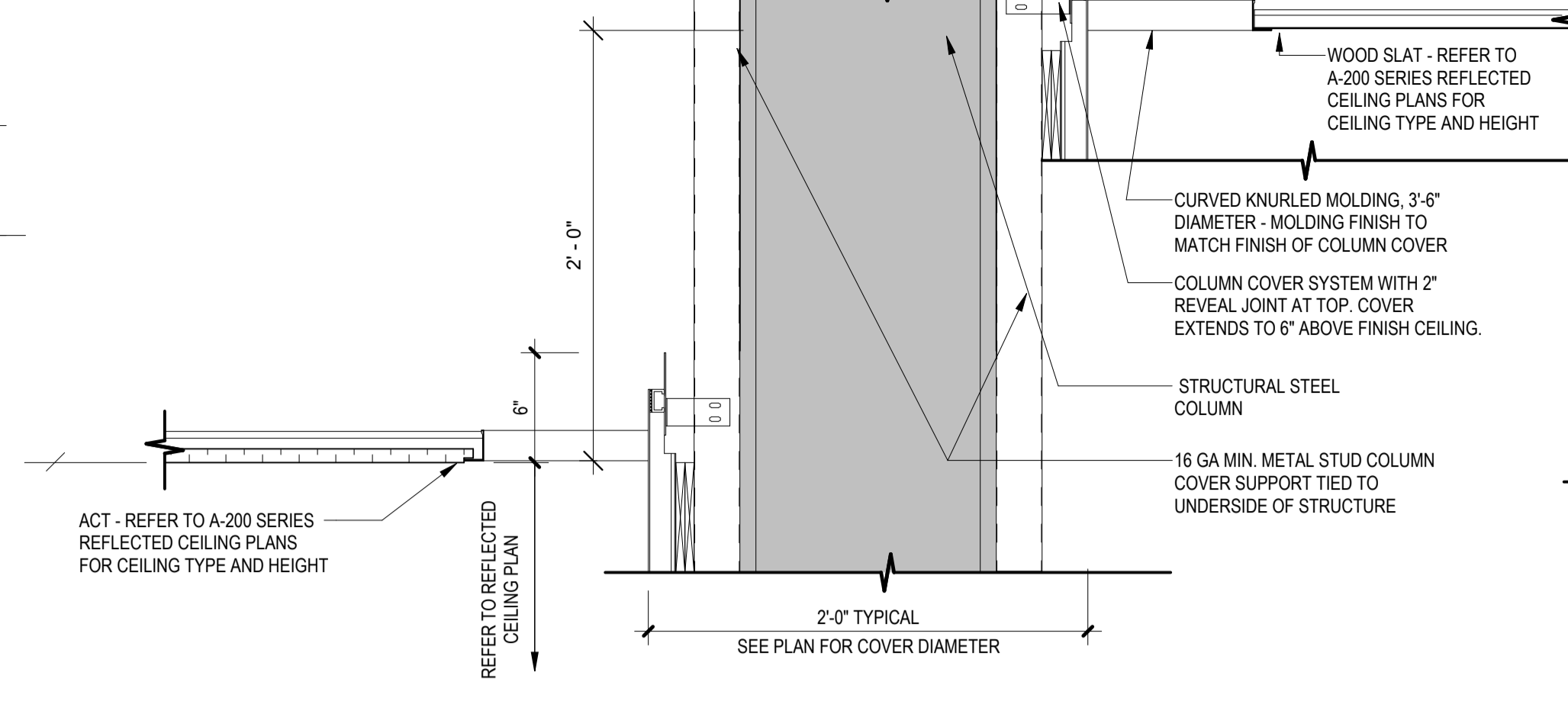
1 GYPSUM BOARD FINISH AT COMMUNICATING STAIR
SCALE: 1" = 1'-0"



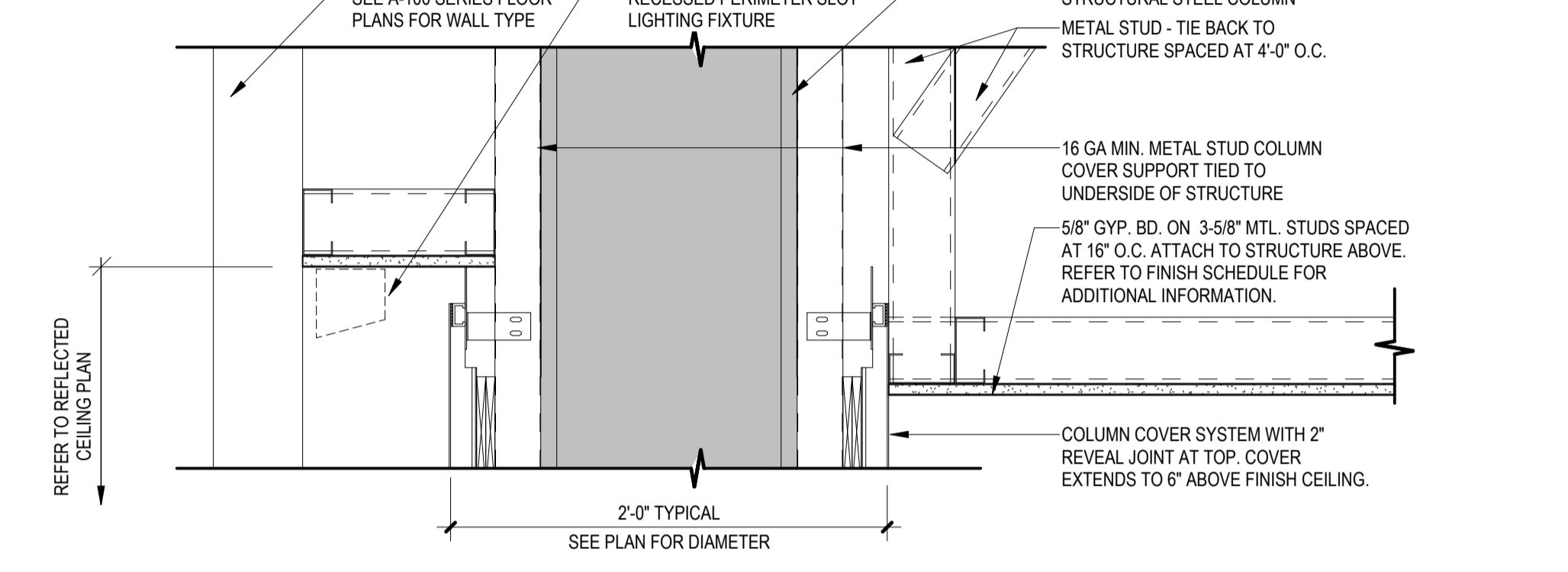
2 COLUMN COVER TO ACT TRANSITION
SCALE: 1 1/2" = 1'-0"



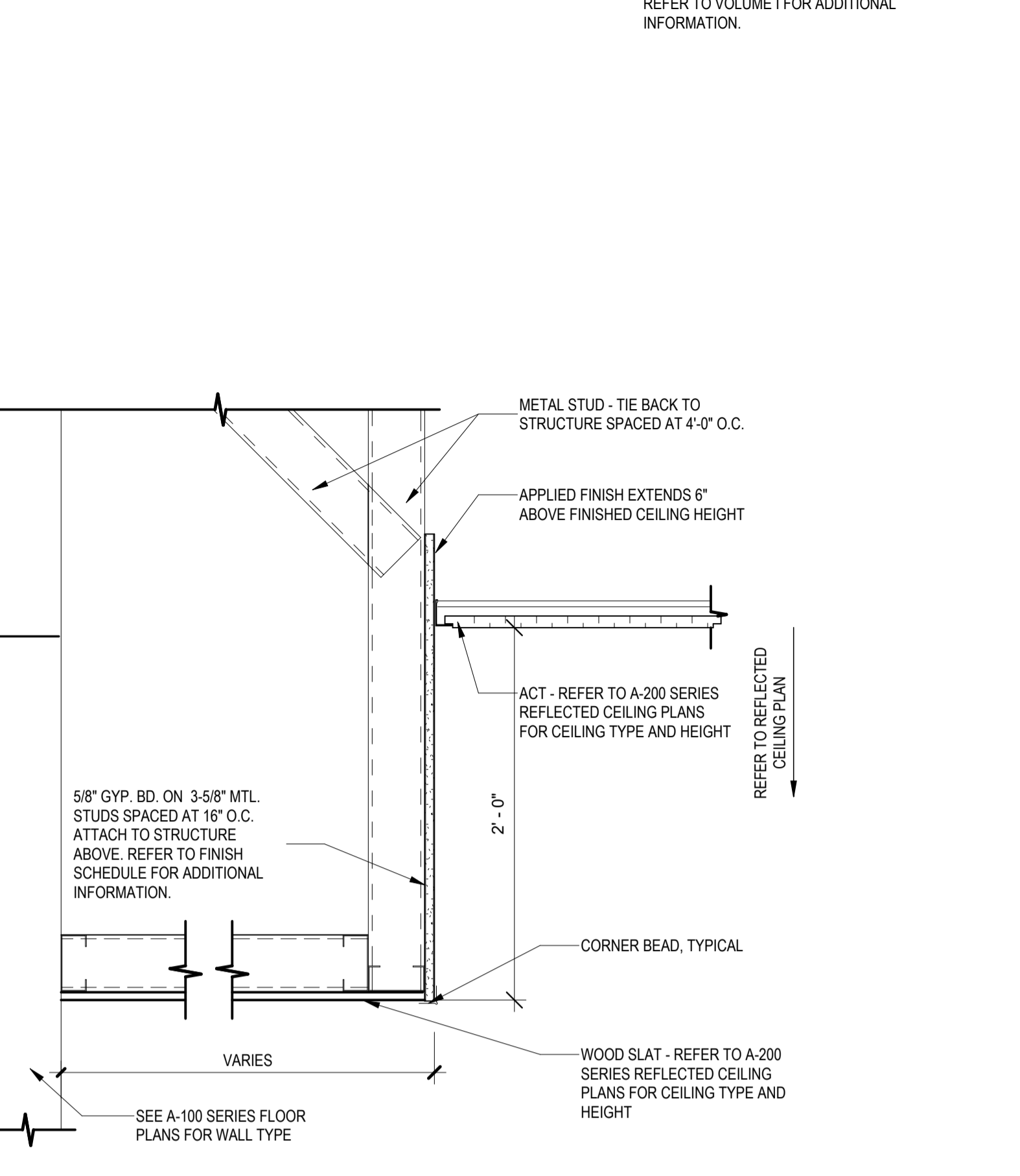
3 ROUND COLUMN COVER TO ACT TRANSITION
SCALE: 1 1/2" = 1'-0"



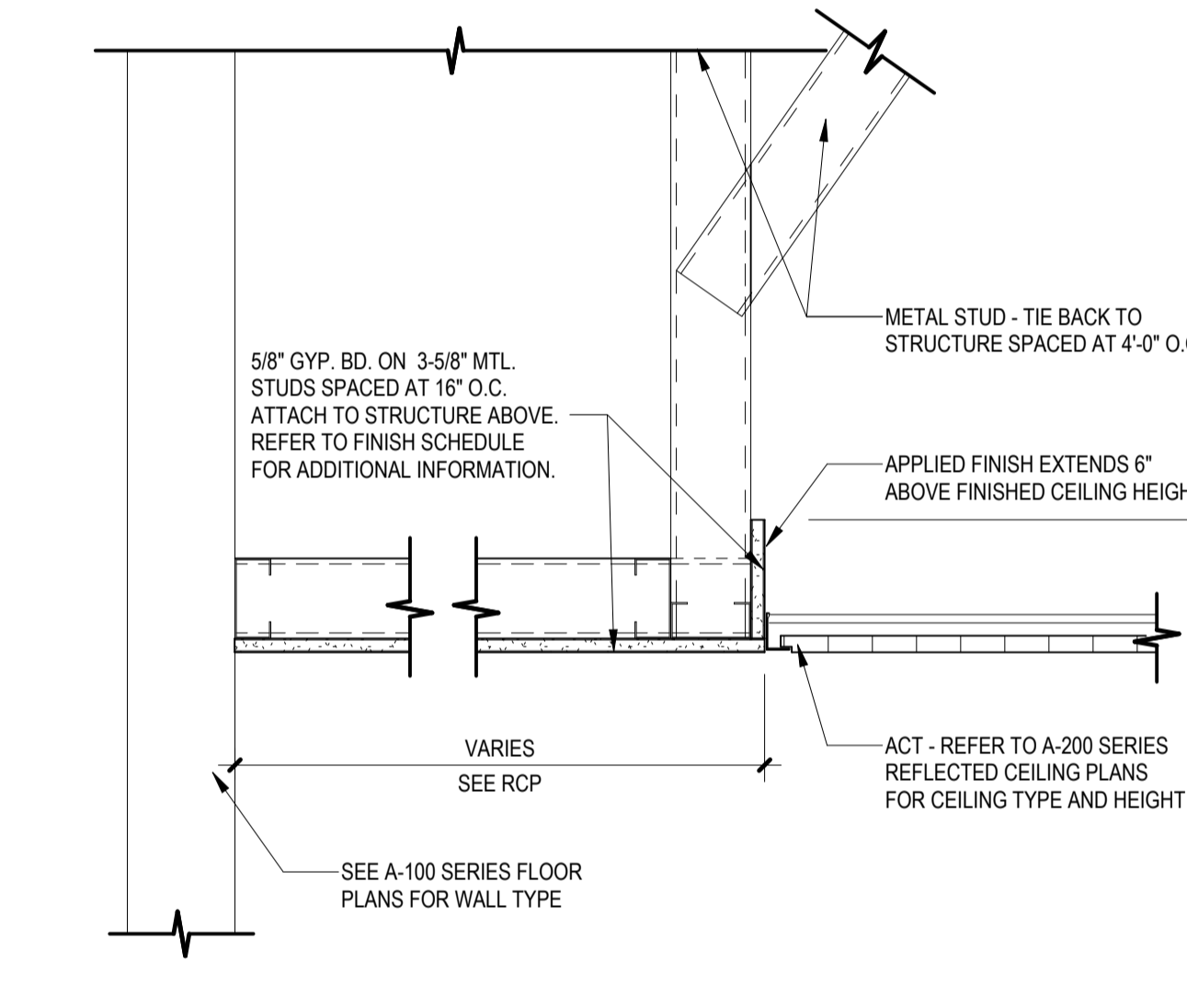
4 COLUMN COVER AT CEILING FINISH TRANSITION
SCALE: 1 1/2" = 1'-0"



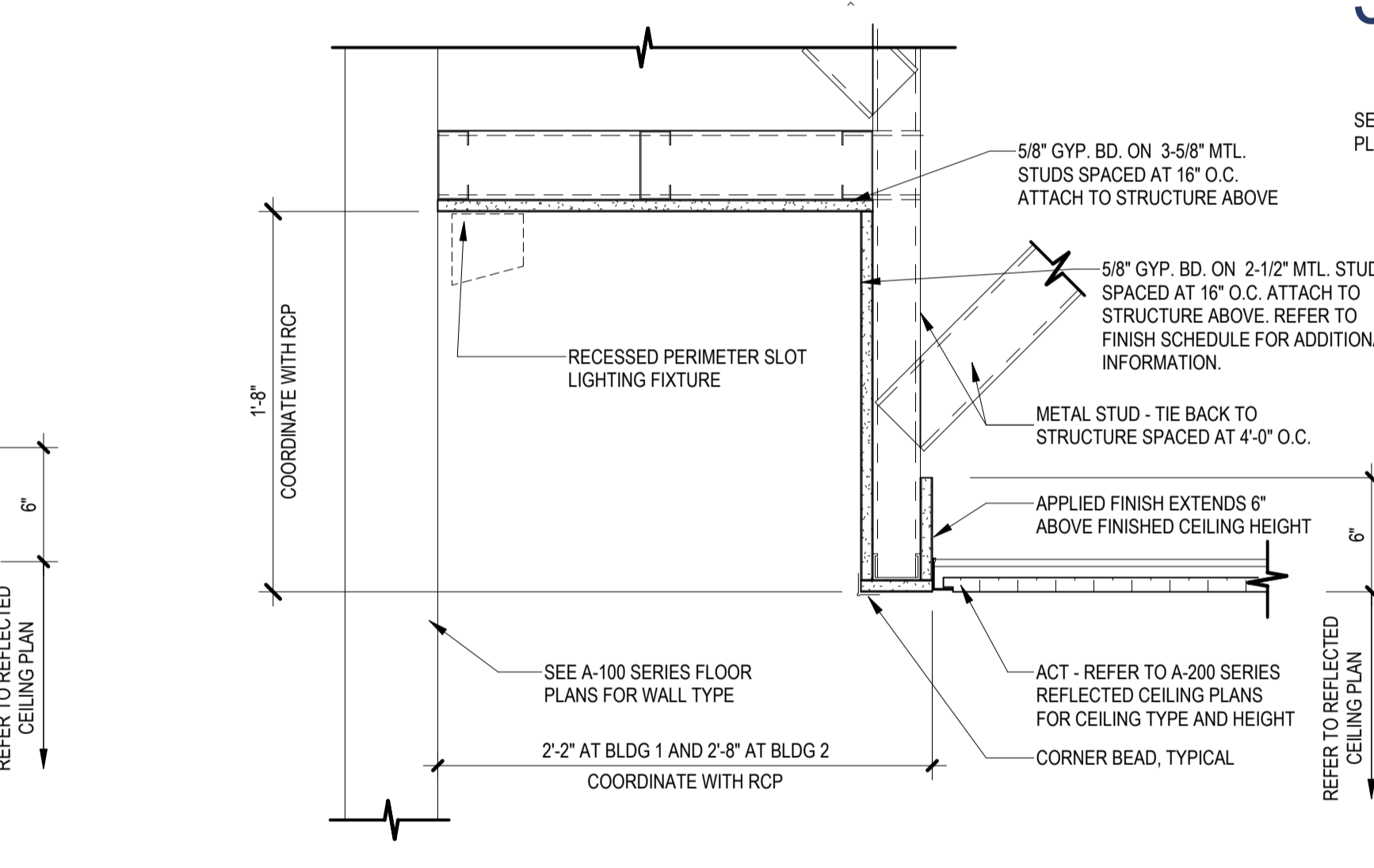
5 ROUND COLUMN COVER AT GYPSUM BOARD SOFFIT TRANSITION AT ELEVATOR LOBBY
SCALE: 1 1/2" = 1'-0"



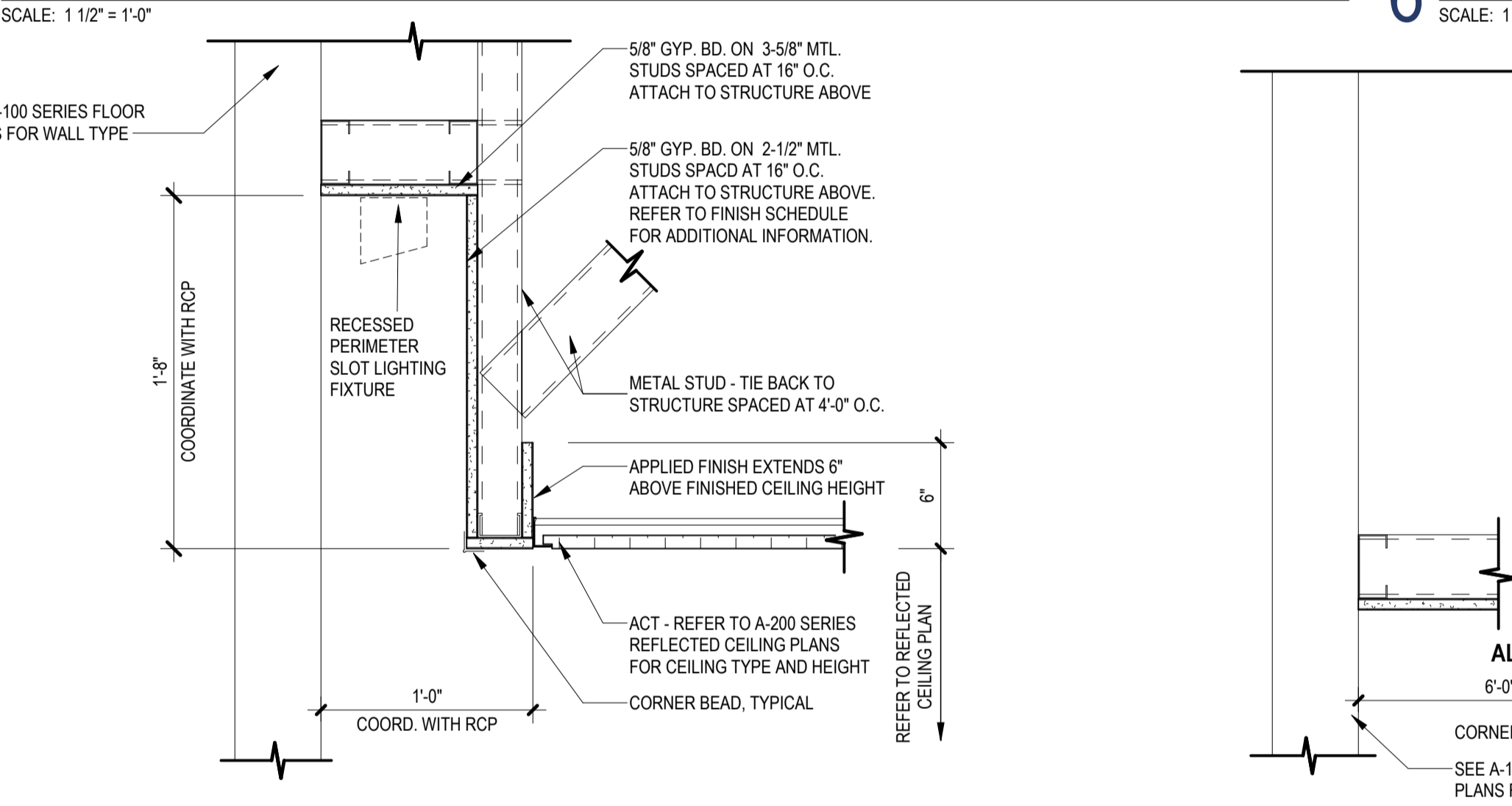
6 GYPSUM BOARD SOFFIT TO ACT TRANSITION
SCALE: 1 1/2" = 1'-0"



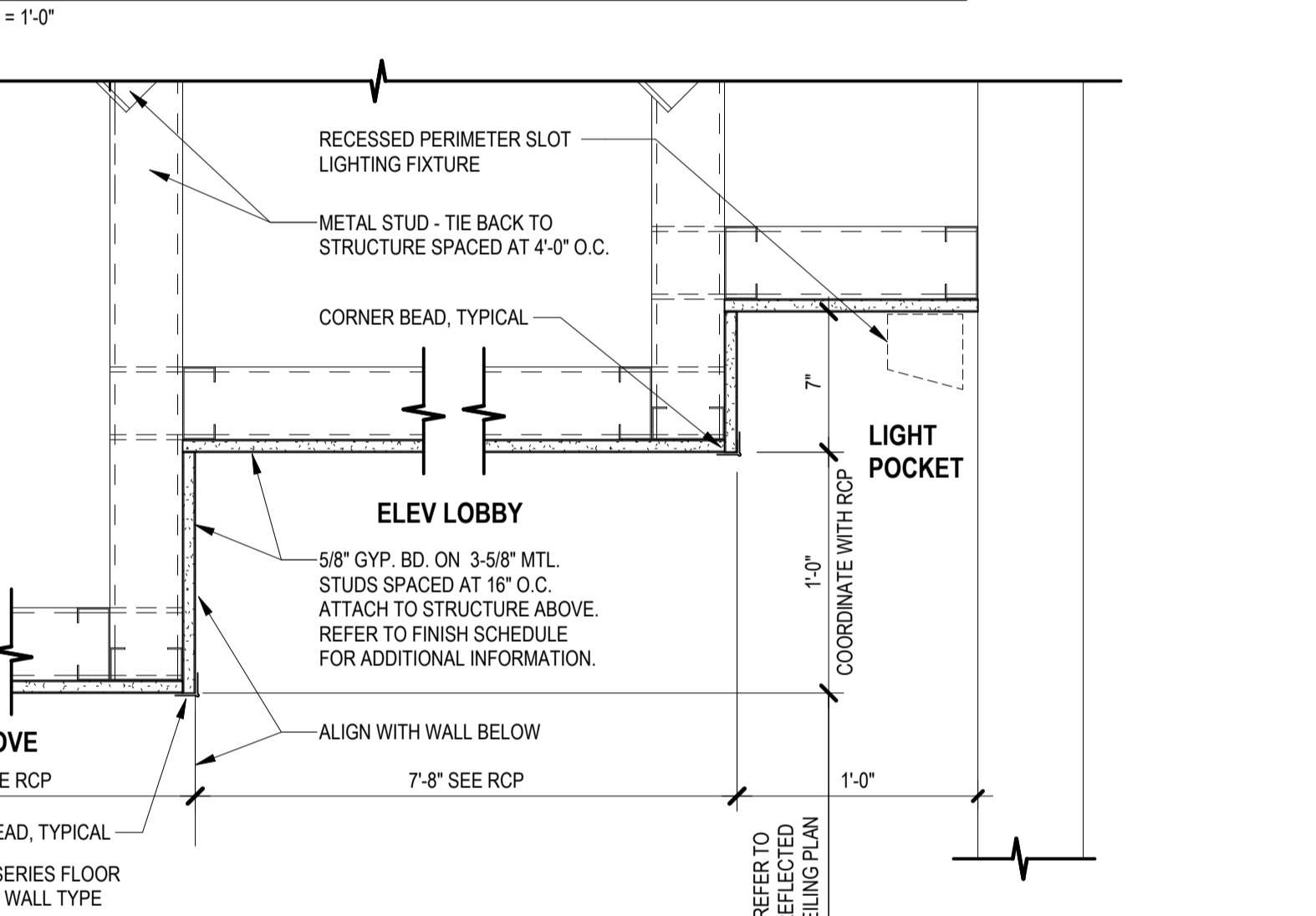
7 GYPSUM BOARD SOFFIT TO ACT FLUSH TRANSITION
SCALE: 1 1/2" = 1'-0"



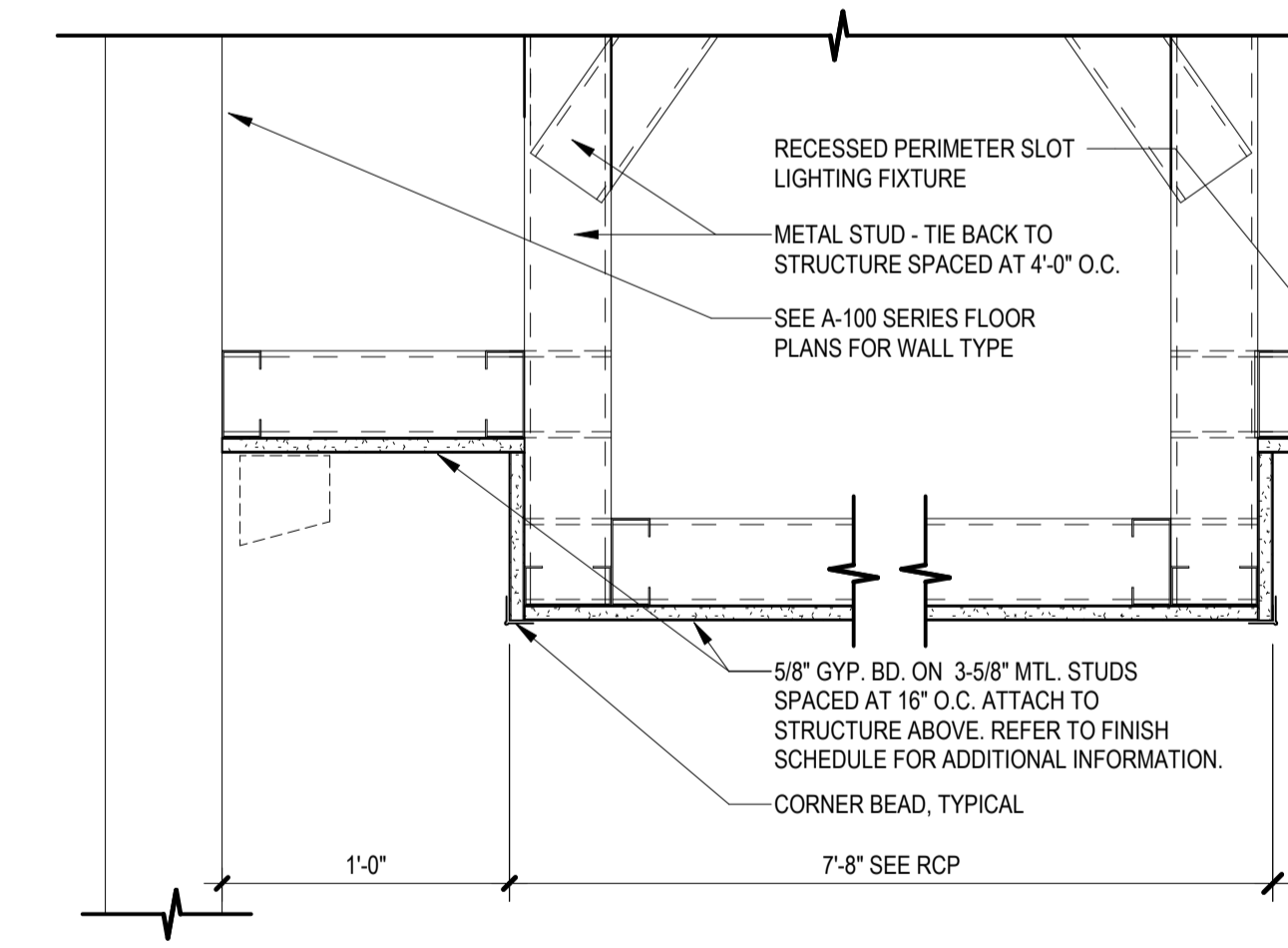
8 GYPSUM BOARD SOFFIT TO ACT TRANSITION
SCALE: 1 1/2" = 1'-0"



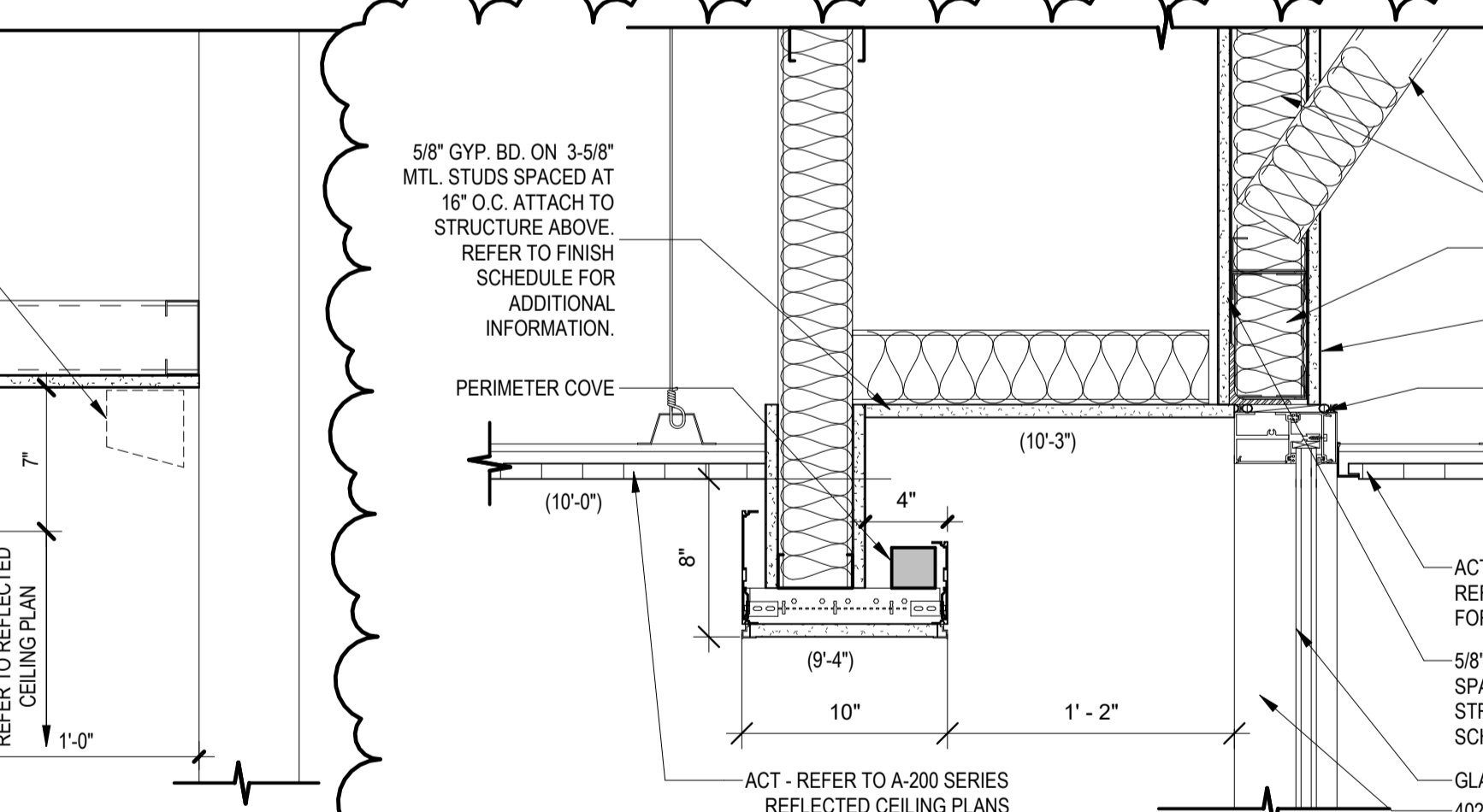
9 GYPSUM BOARD SOFFIT AT HSS ELEV CORE WALL
SCALE: 1 1/2" = 1'-0"



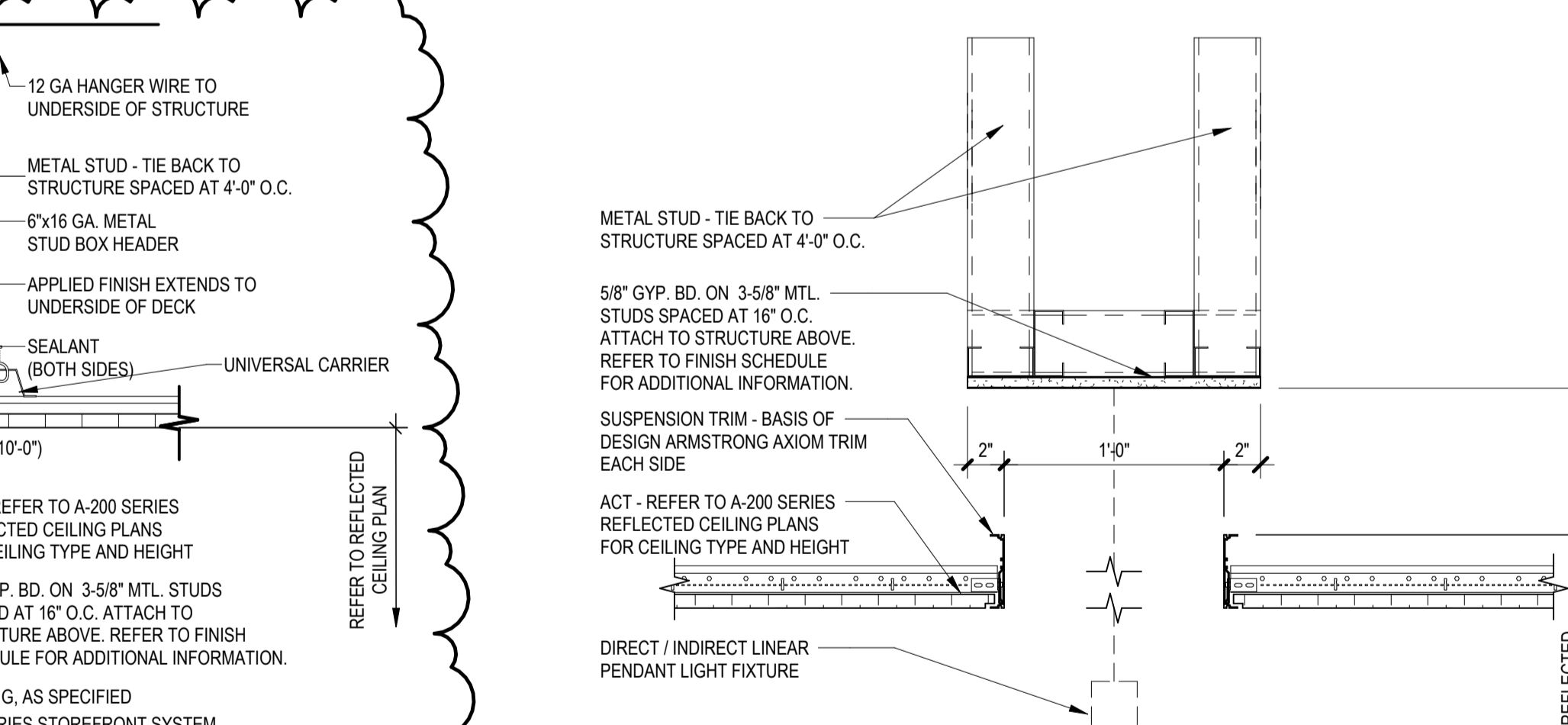
10 GYPSUM BOARD CEILING AT ELEVATOR LOBBY
SCALE: 1 1/2" = 1'-0"



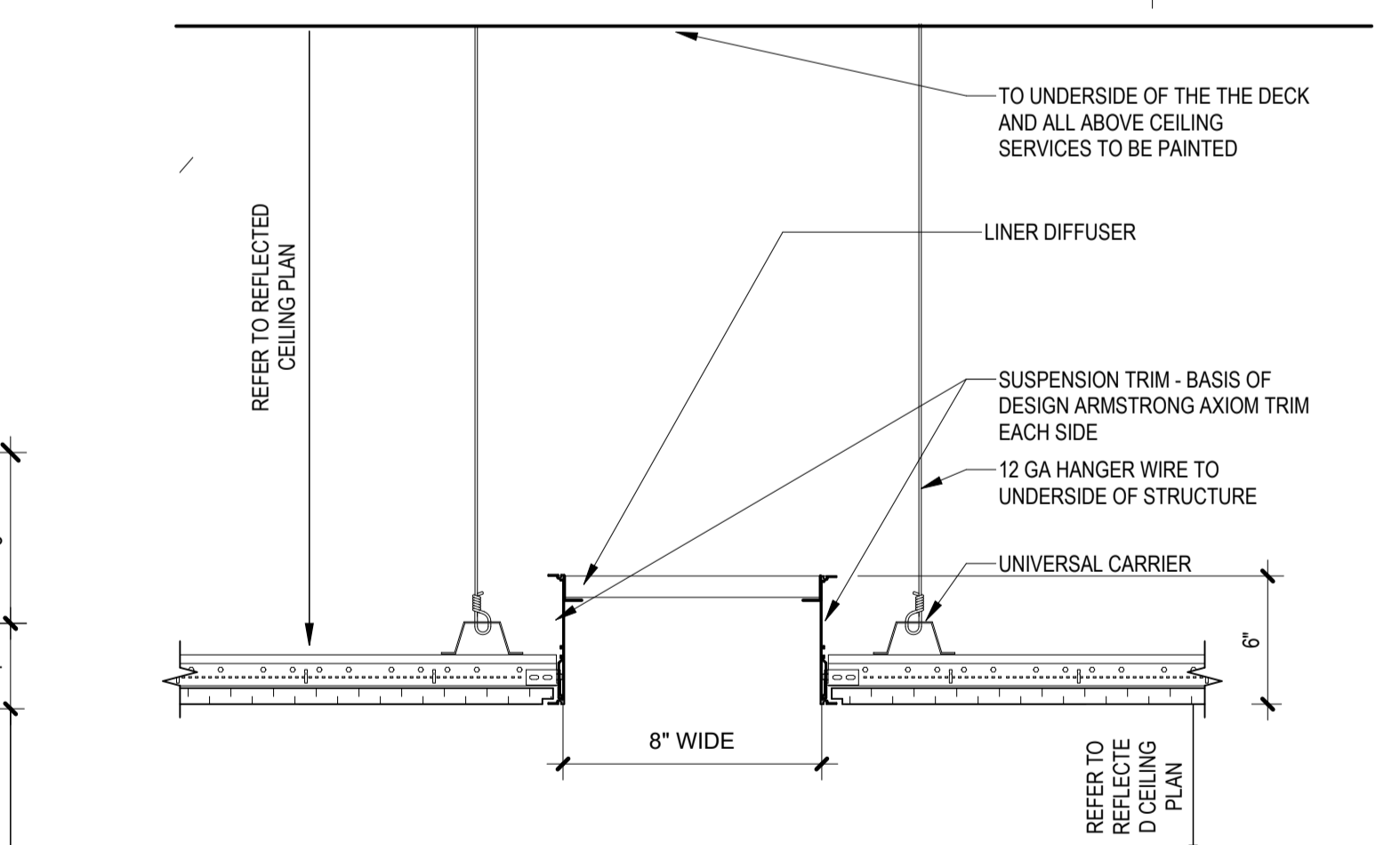
11 GYPSUM BOARD CEILING AT ELEVATOR LOBBY
SCALE: 1 1/2" = 1'-0"



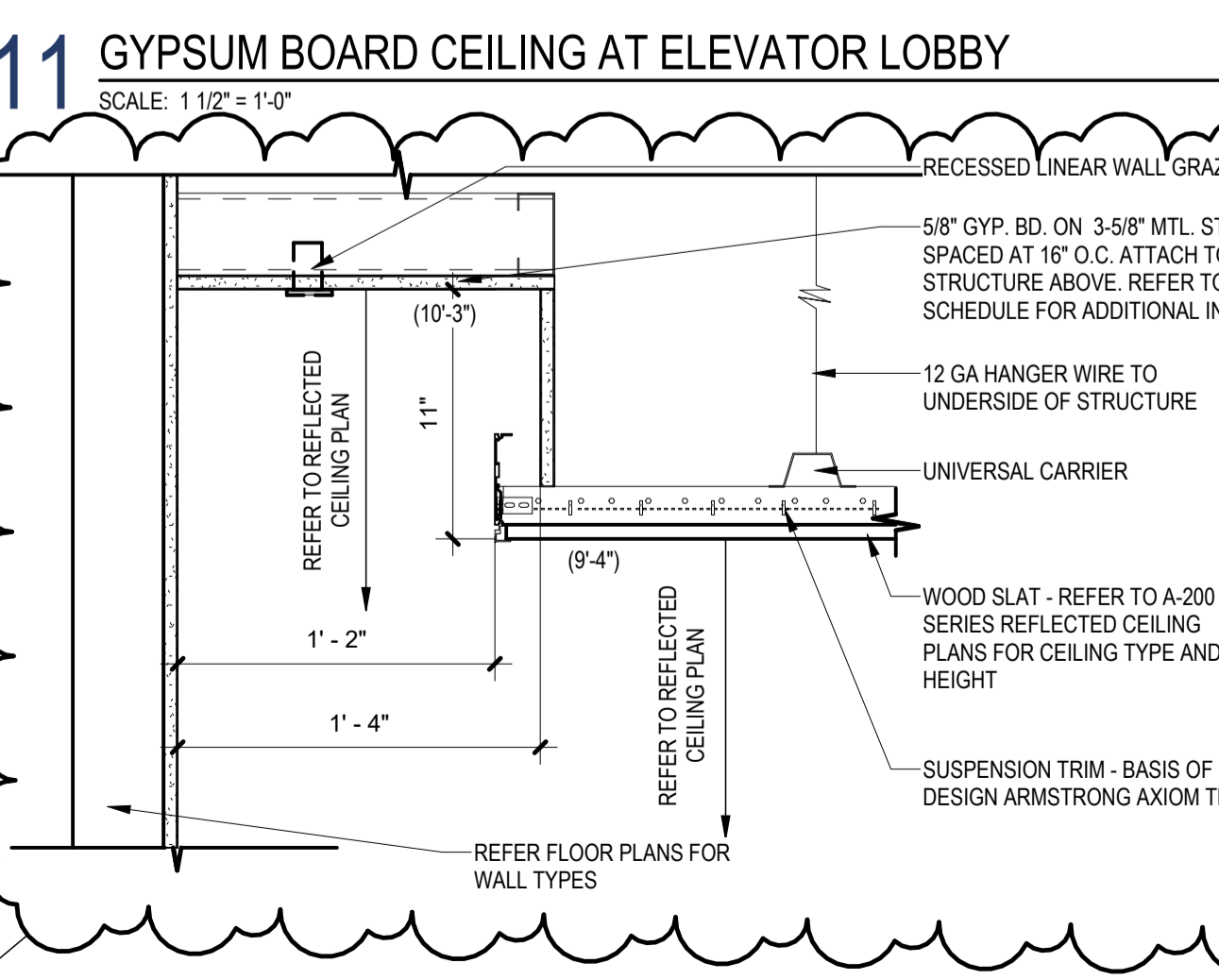
12 GYPSUM SOFFIT TO ACT TRANSITION AT STOREFRONT
SCALE: 1 1/2" = 1'-0"



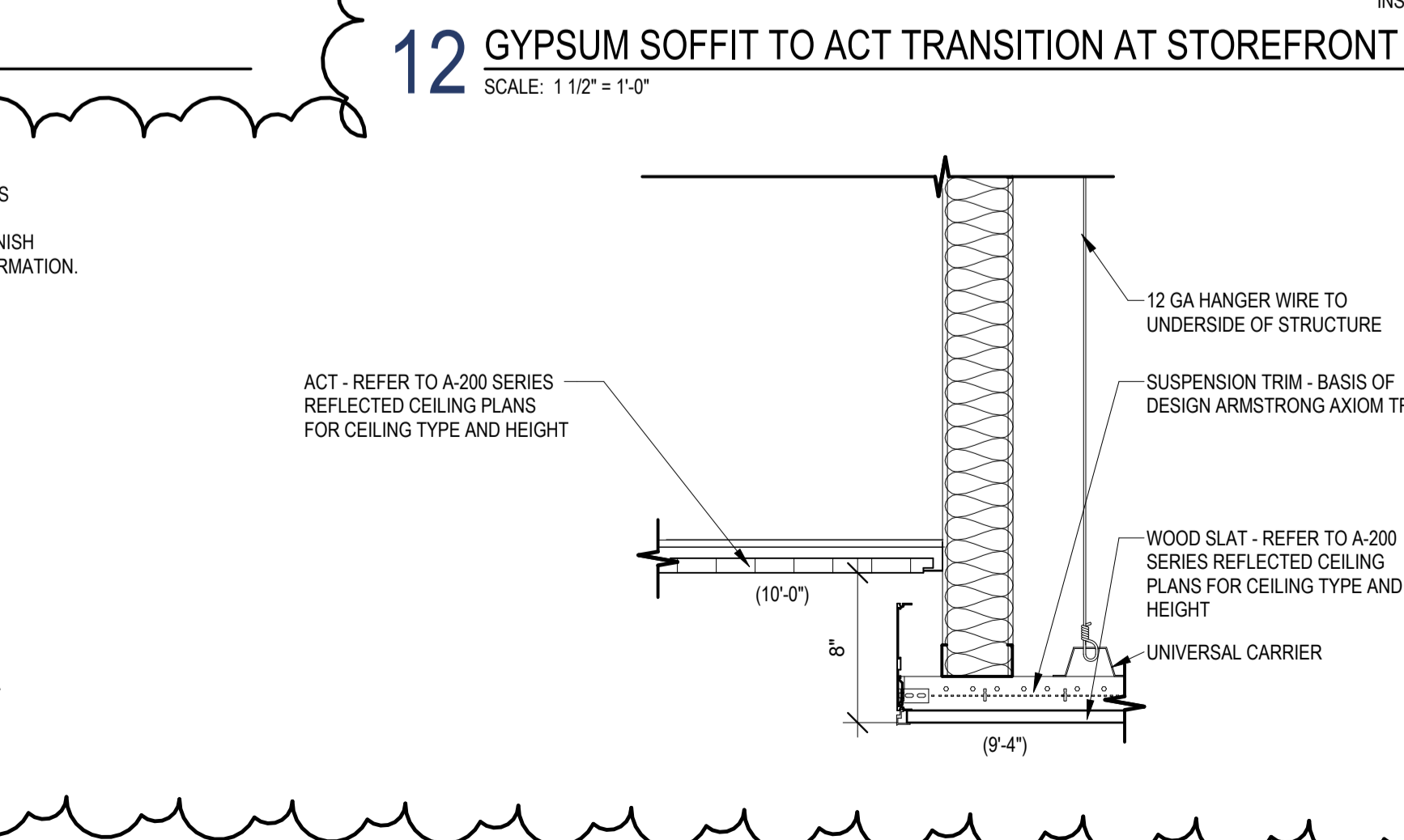
13 LIGHT FIXTURE POCKET @ ACT CEILING (BLDG. 2)
SCALE: 1 1/2" = 1'-0"



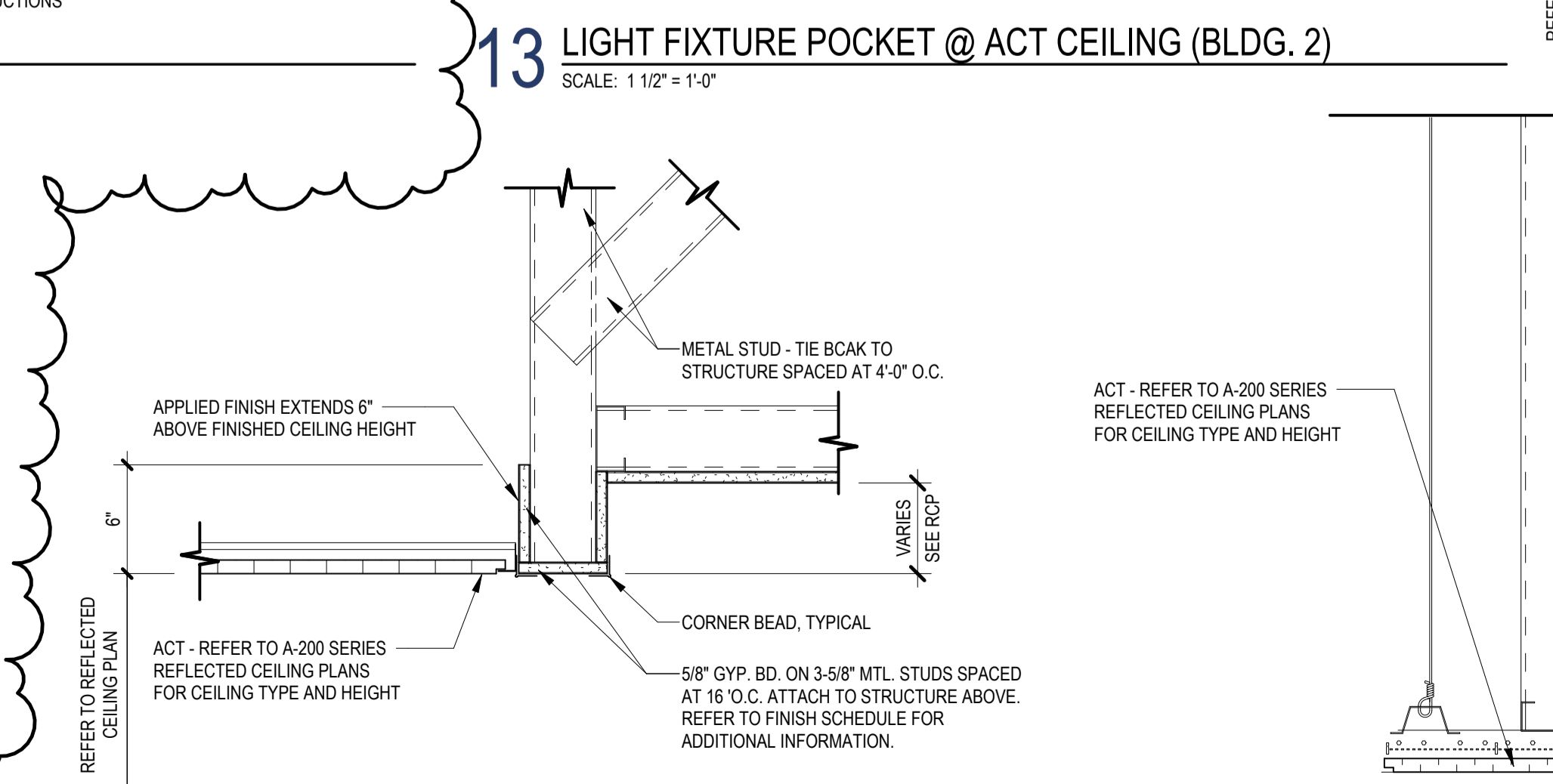
14 OPEN POCKET @ COMM. MTG RM ACT CEILING
SCALE: 1 1/2" = 1'-0"



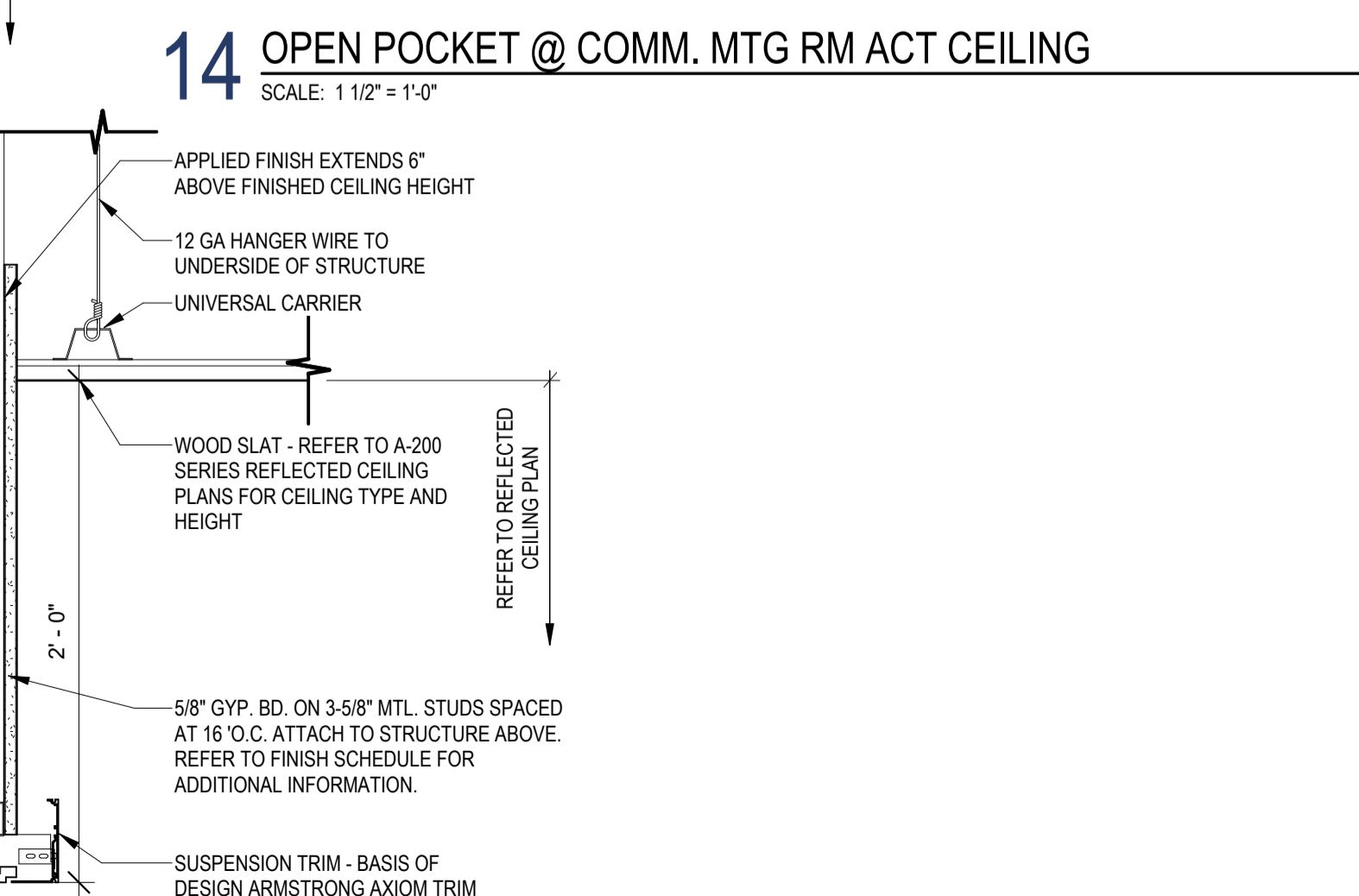
15 GYPSUM BOARD TO ALUM. SLAT AT COMM. MEETING ROOM
SCALE: 1 1/2" = 1'-0"



16 GYP TO ALUMINUM SLAT TRANSITION
SCALE: 1 1/2" = 1'-0"

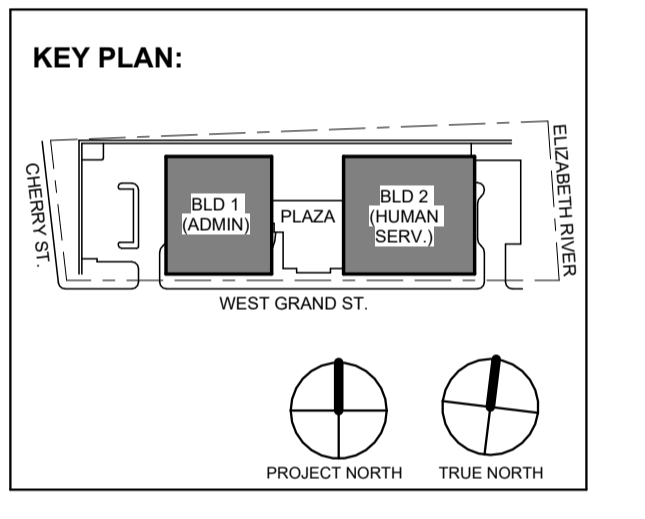


17 GYPSUM BOARD SOFFIT TO ACT AT ELEVATOR LOBBY
SCALE: 1 1/2" = 1'-0"



18 ACT TO ALUMINUM SLAT CEILING TRANSITION
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES:
 A. ALL SHADED AREAS INDICATES CORE & SHELL. REFER TO VOLUME I FOR ADDITIONAL INFORMATION.



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid
Revisions / Issues		

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400
 Jeffrey D. Venezia, AIA
 NJ RA AI 09827100

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

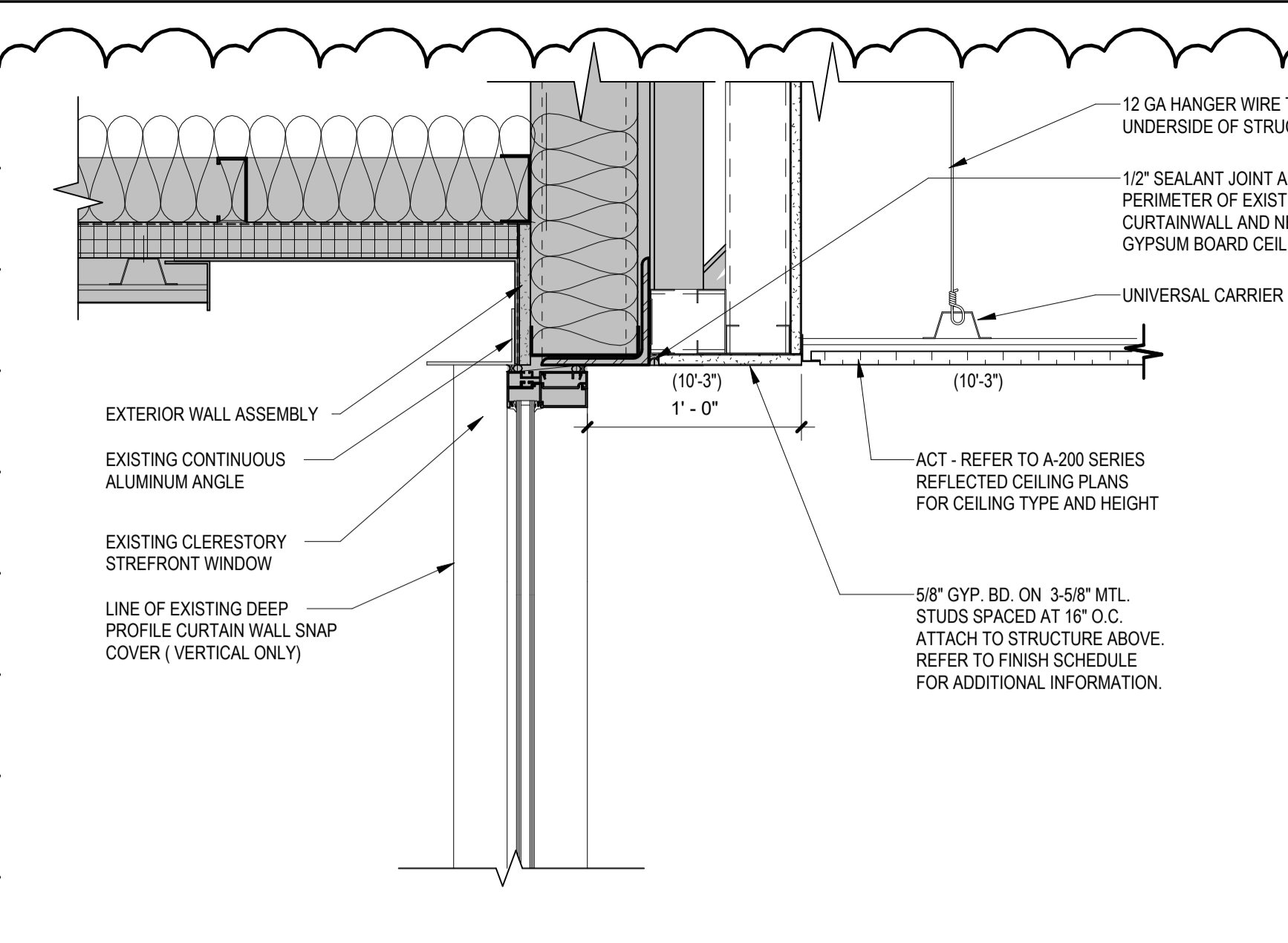
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY 07202

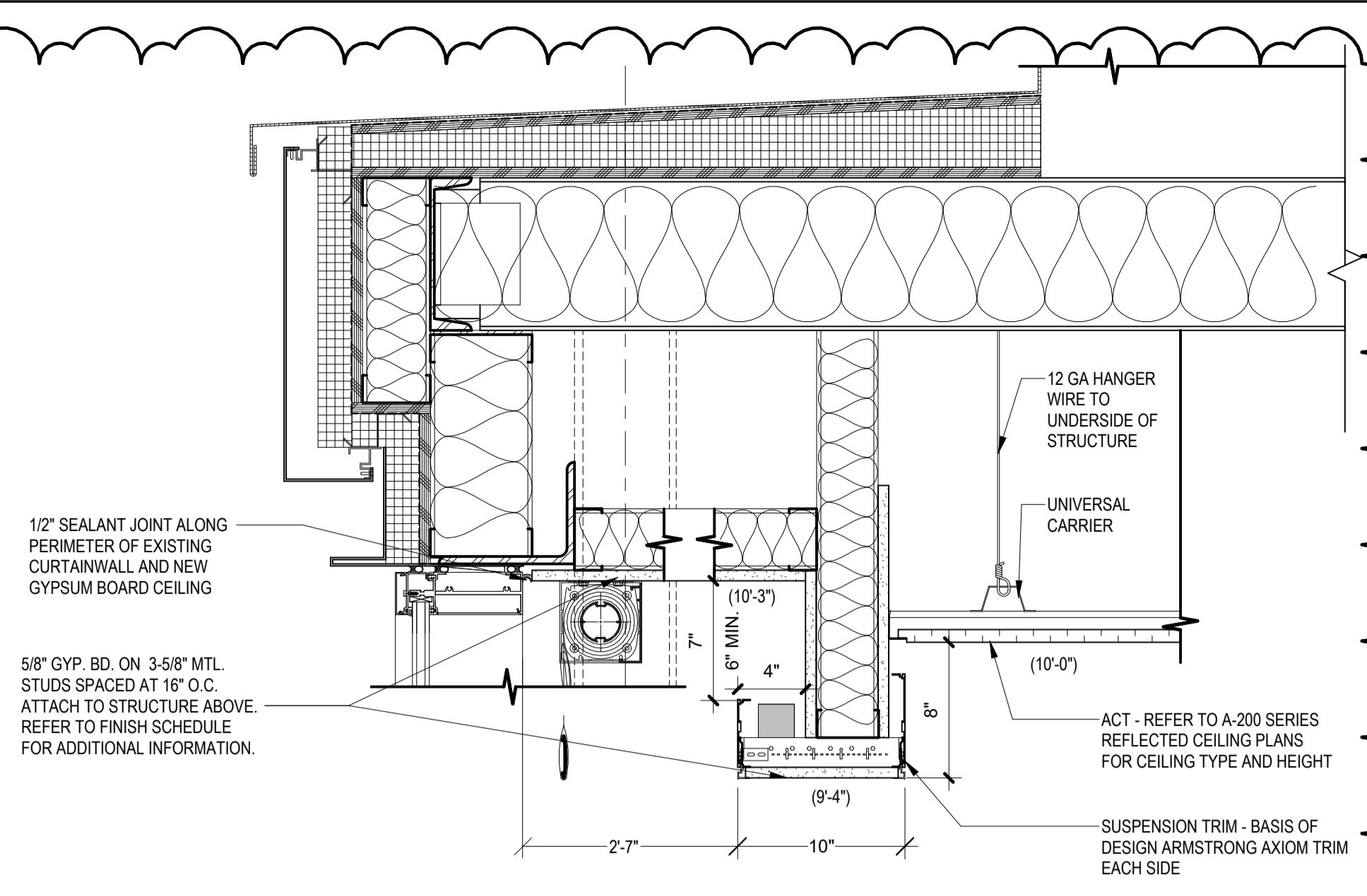
Drawing Information:
 Project No: 20.072
 Date: 11.08.2023
 Drawn By: JB / AV / PC
 Checked By: JM / SH

Sheet Name:
CEILING DETAILS

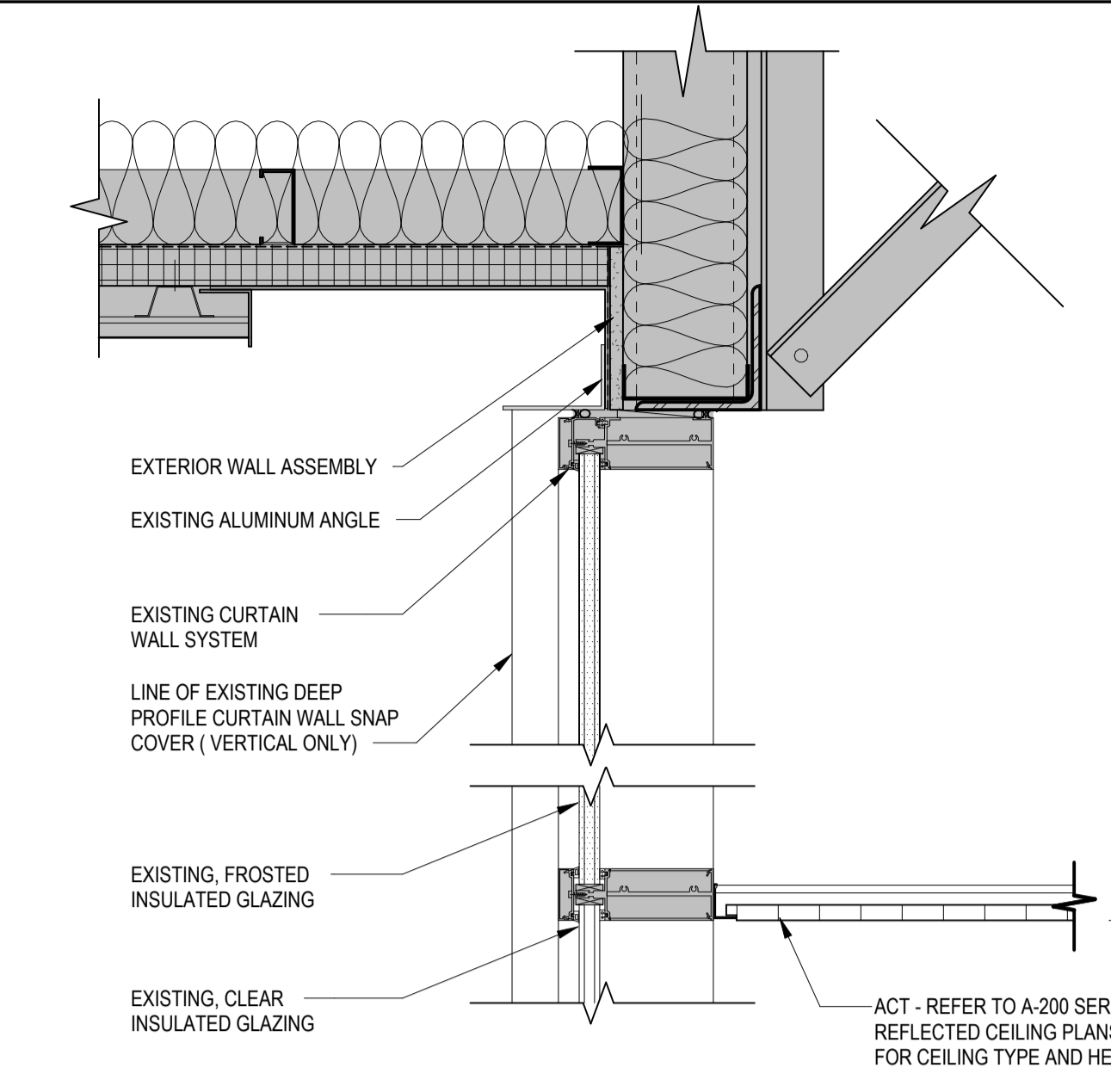
Sheet No:
A-221



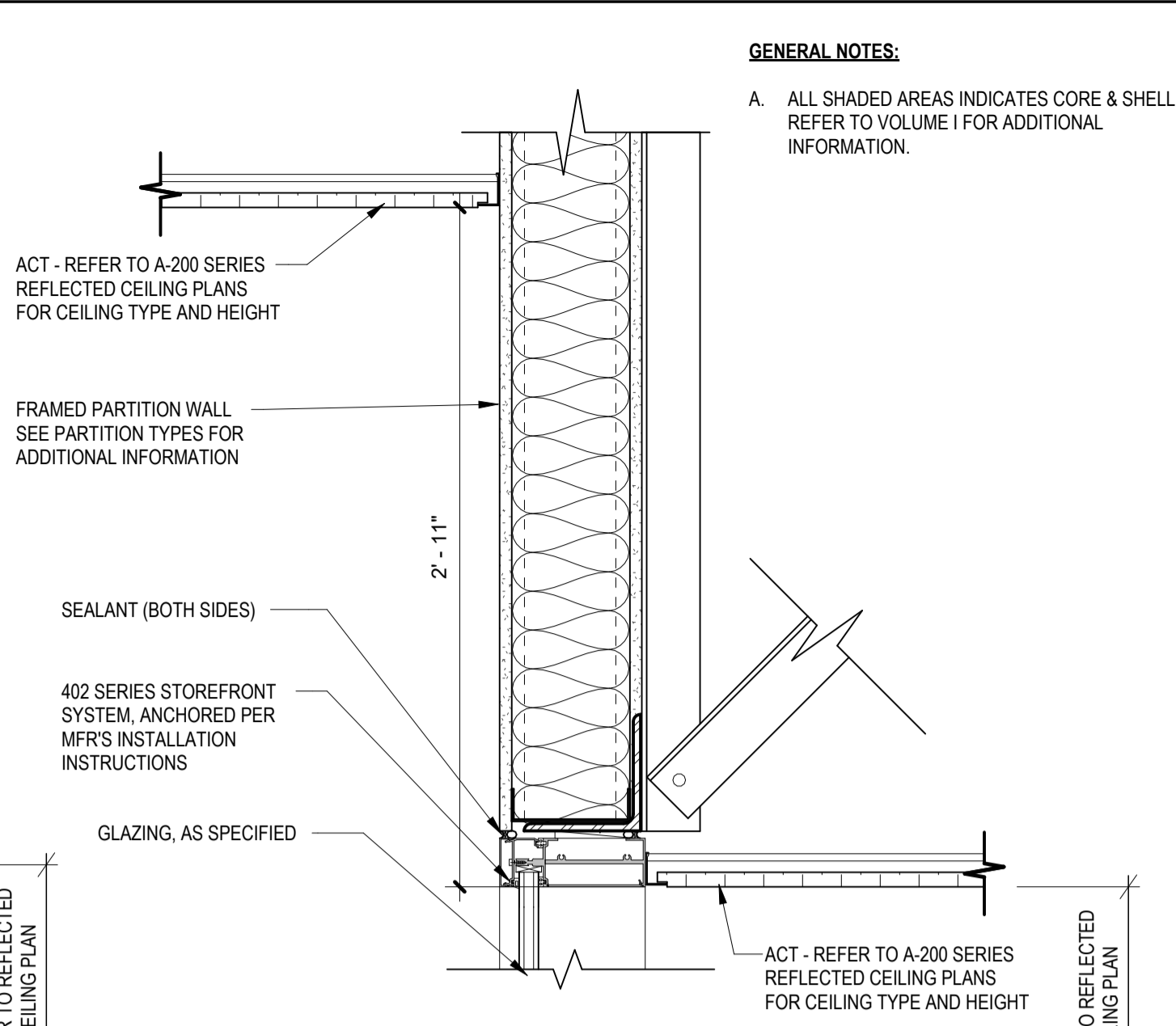
1 CEILING AT COMM. MEETING ROOM VESTIBULE
SCALE: 1/12" = 1'-0"



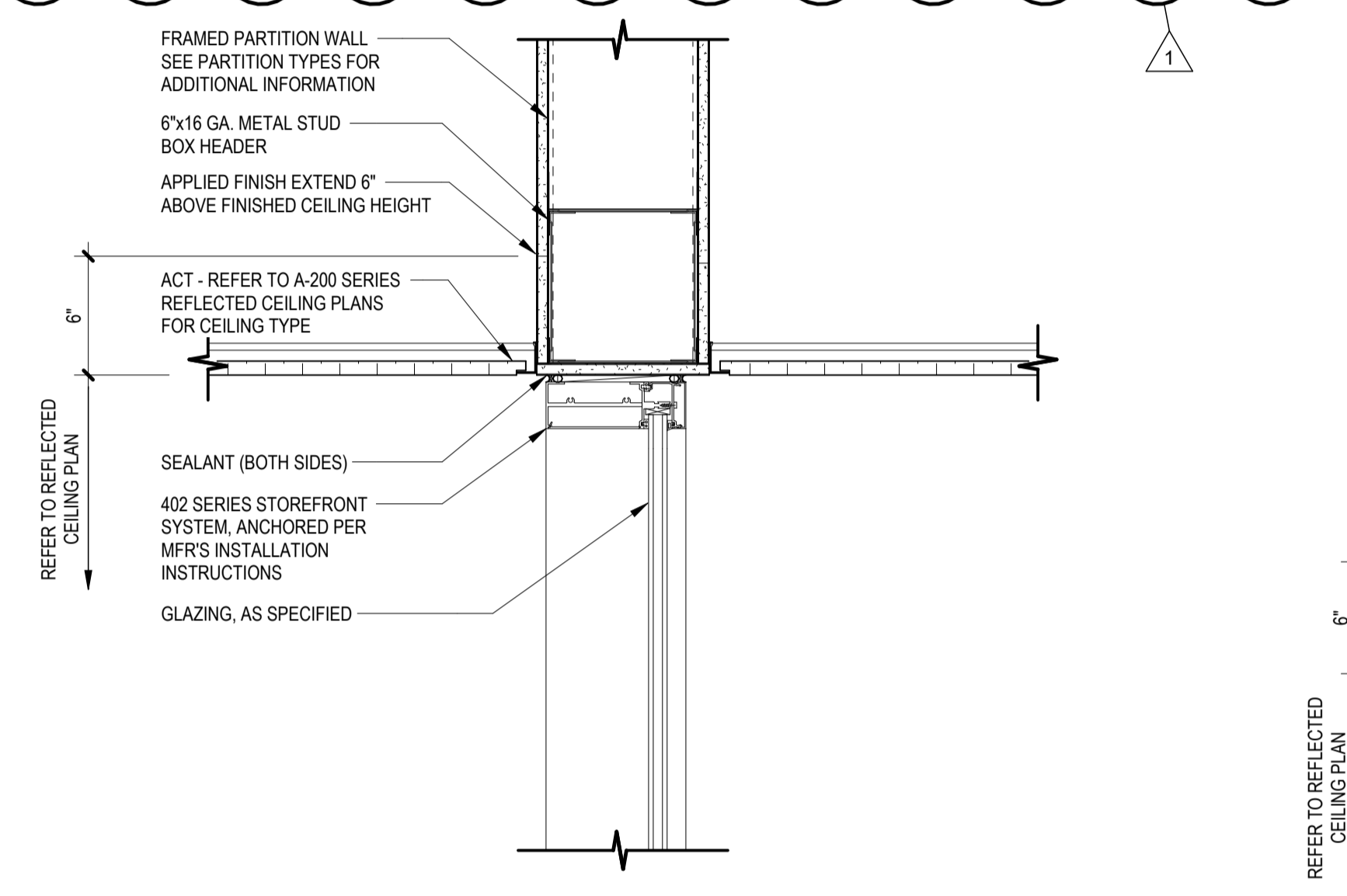
2 GYPSUM BOARD SOFFIT TO ACT CEILING AT COMM. MEETING ROOM
SCALE: 1/12" = 1'-0"



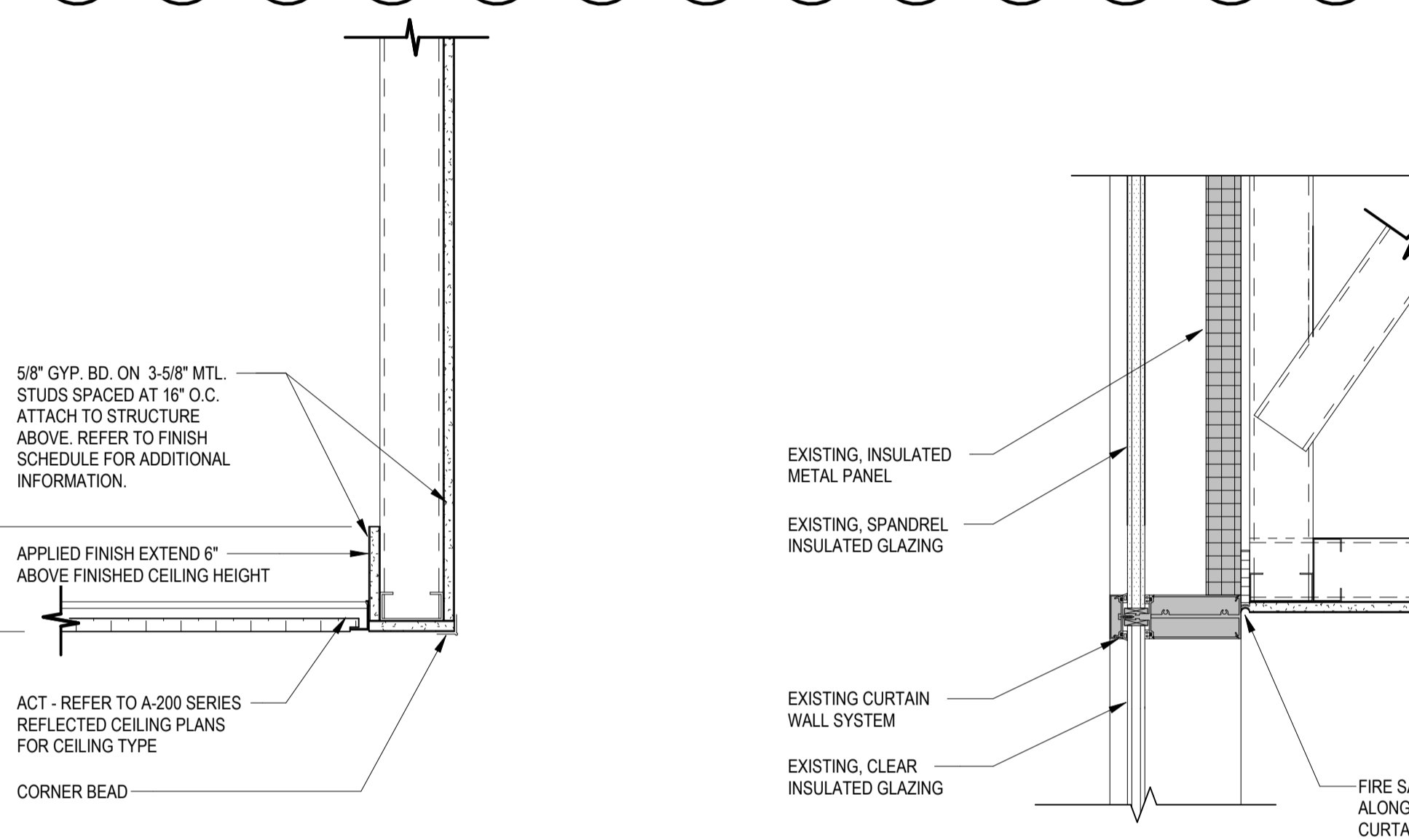
3 ACT AT EXTERIOR CURTAIN WALL
SCALE: 1/12" = 1'-0"



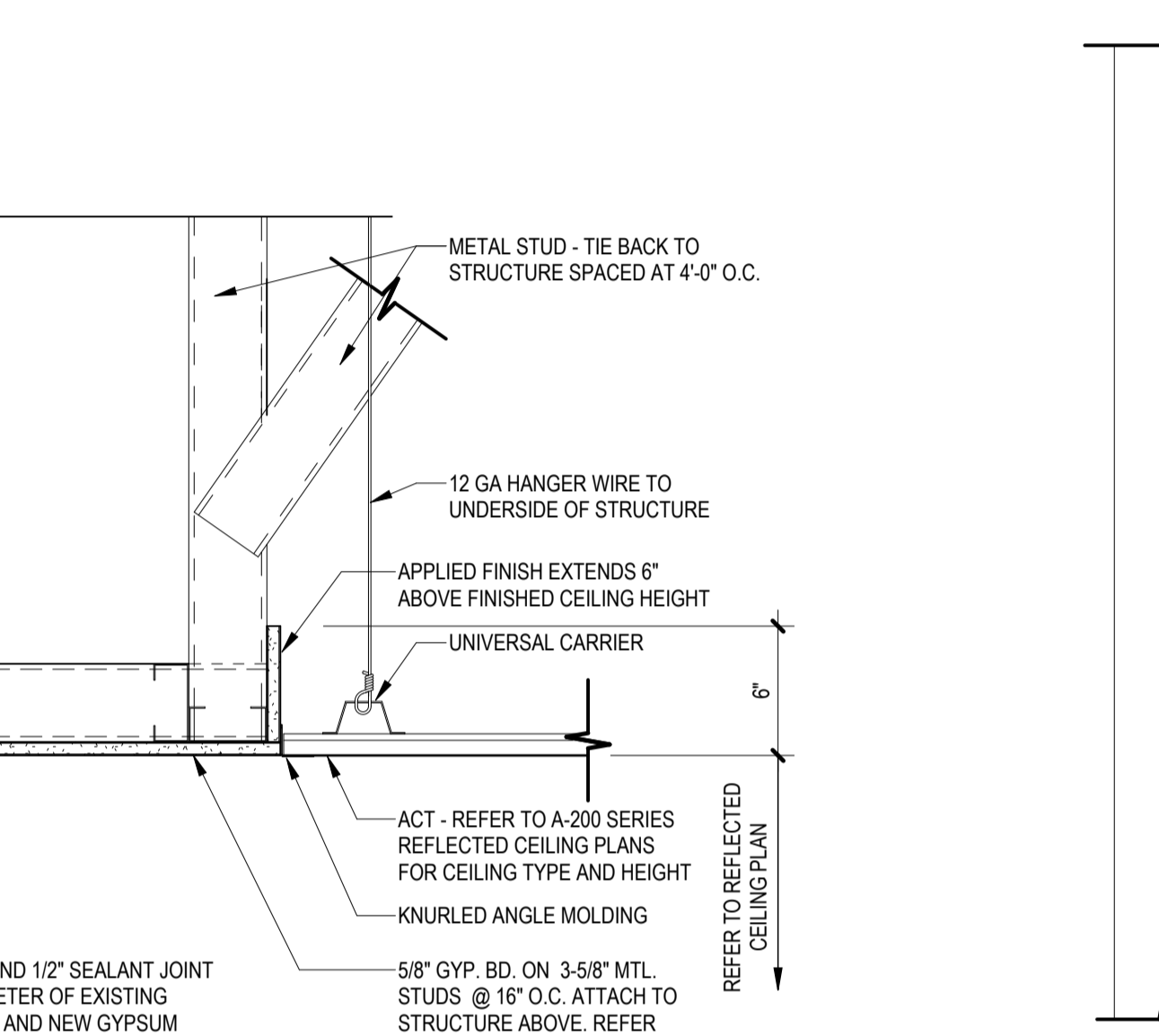
4 ACT AT INTERIOR CURTAIN WALL
SCALE: 1/12" = 1'-0"



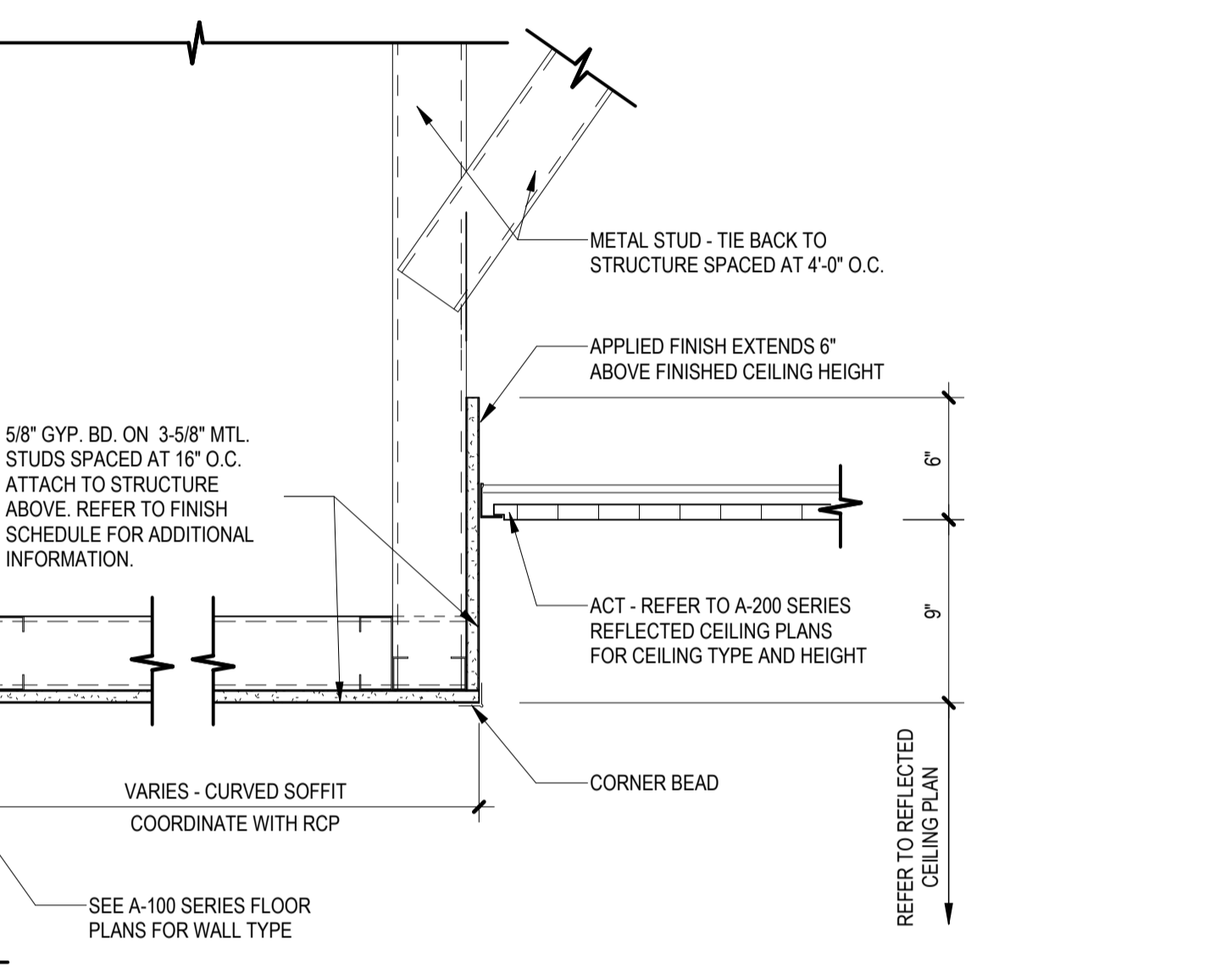
5 ACT TO STOREFRONT
SCALE: 1/12" = 1'-0"



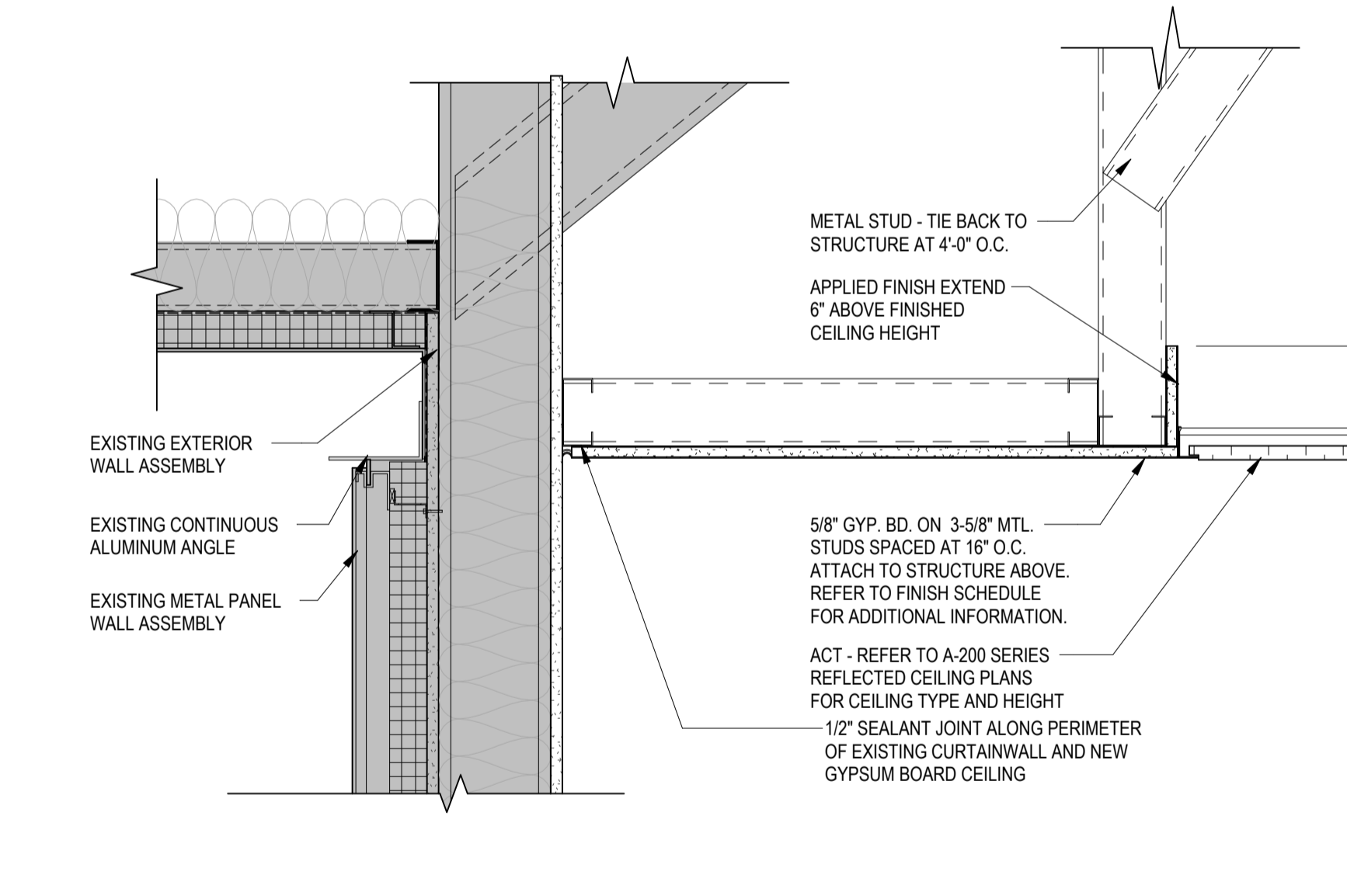
7 GYPSUM BOARD SOFFIT AT STAIR
SCALE: 1/12" = 1'-0"



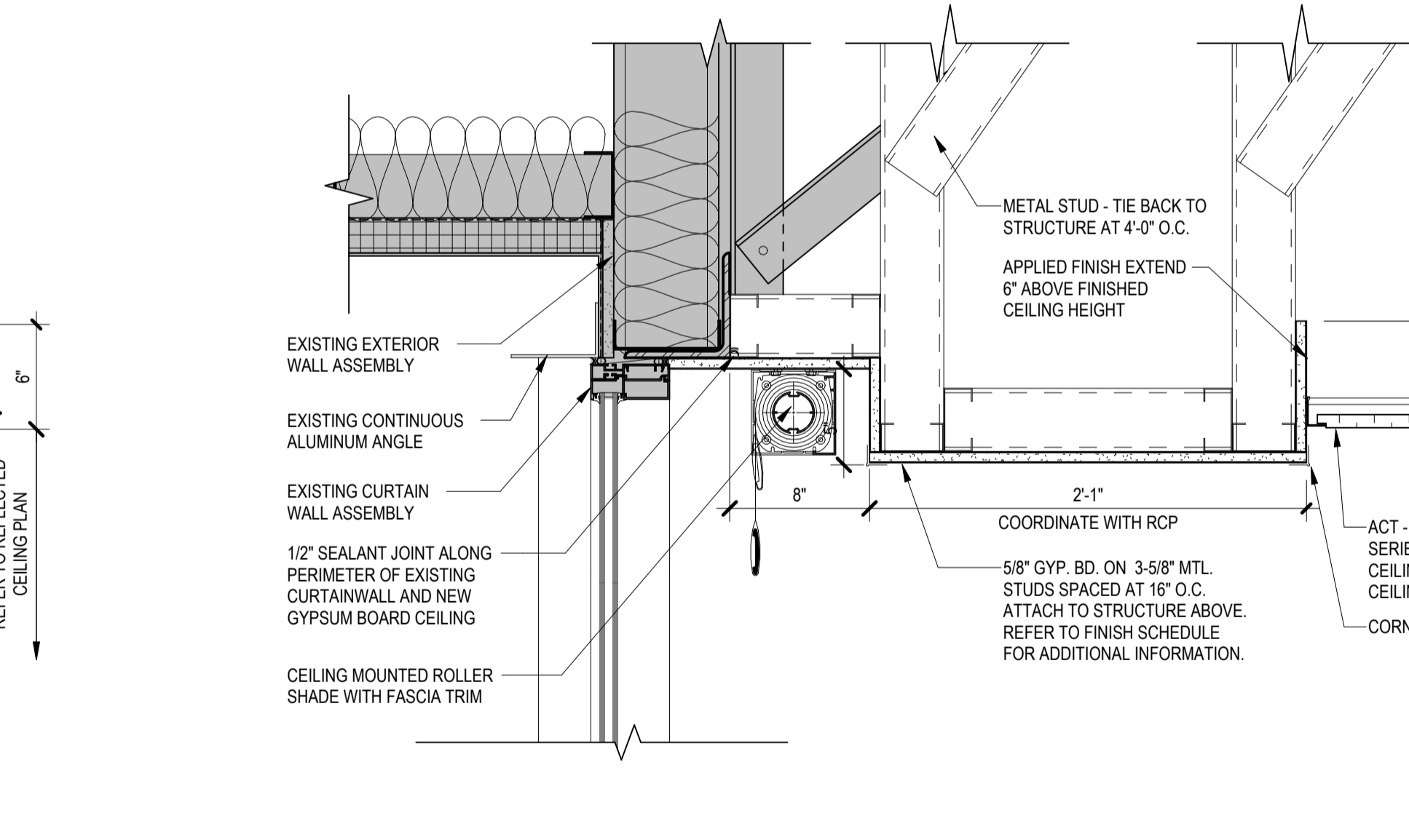
8 SOFFIT TO ACT AT CURVED EXTERIOR CURTAIN WALL AT BLDG 2
SCALE: 1/12" = 1'-0"



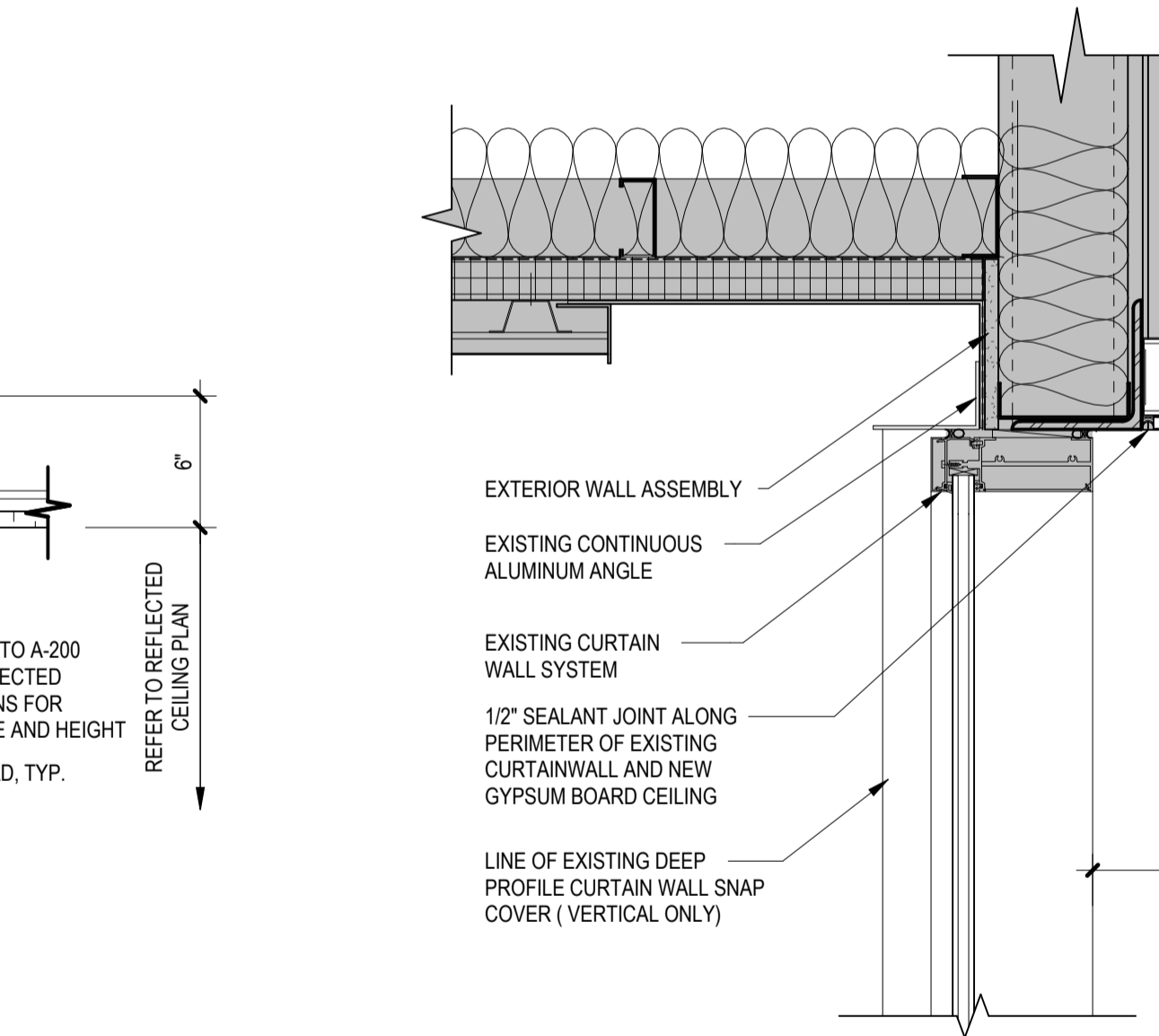
9 GYPSUM BOARD SOFFIT TO ACT TRANSITION AT HSS FRONT DESK
SCALE: 1/12" = 1'-0"



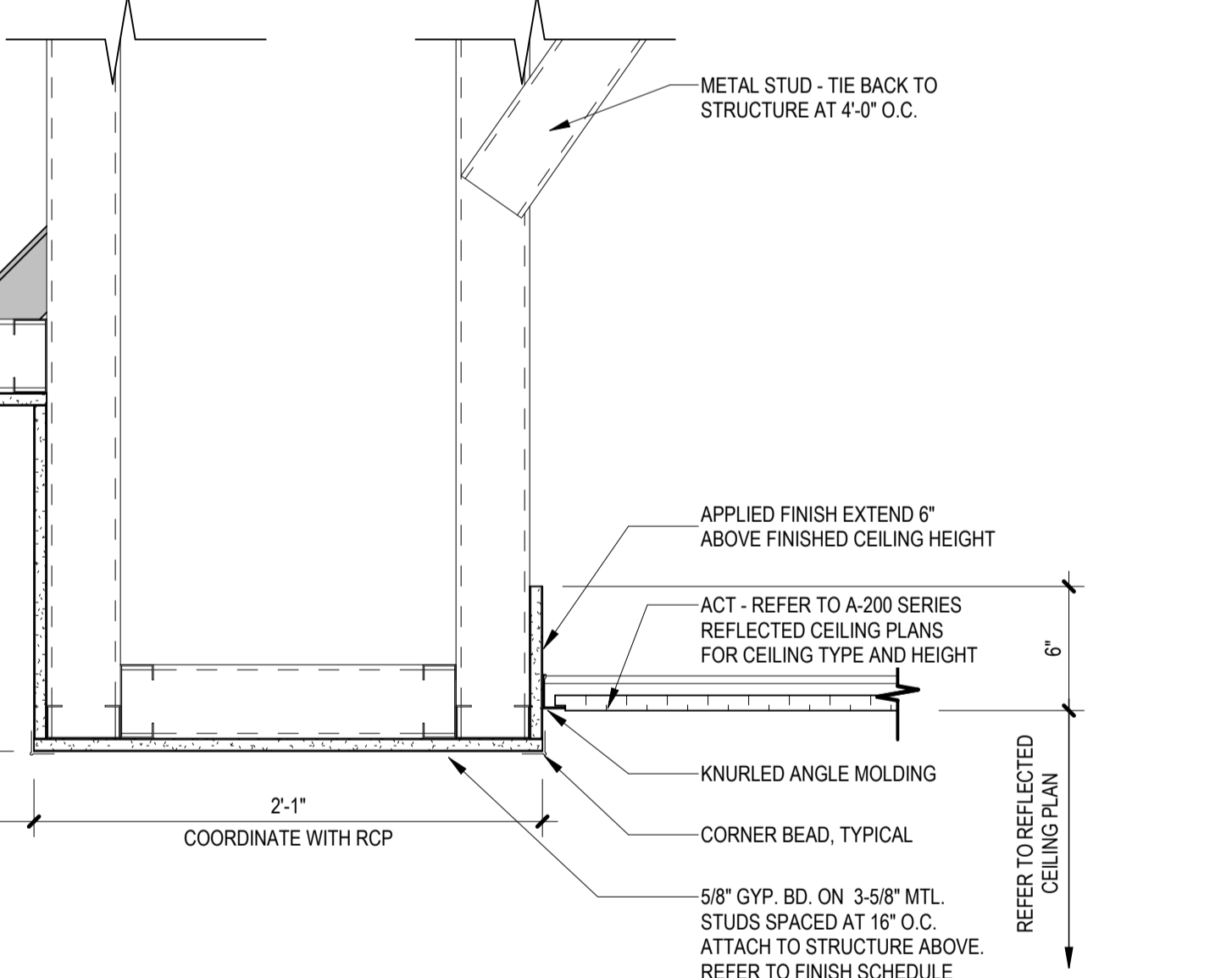
10 GYPSUM BOARD SOFFIT AT EXTERIOR METAL PANEL
SCALE: 1/12" = 1'-0"



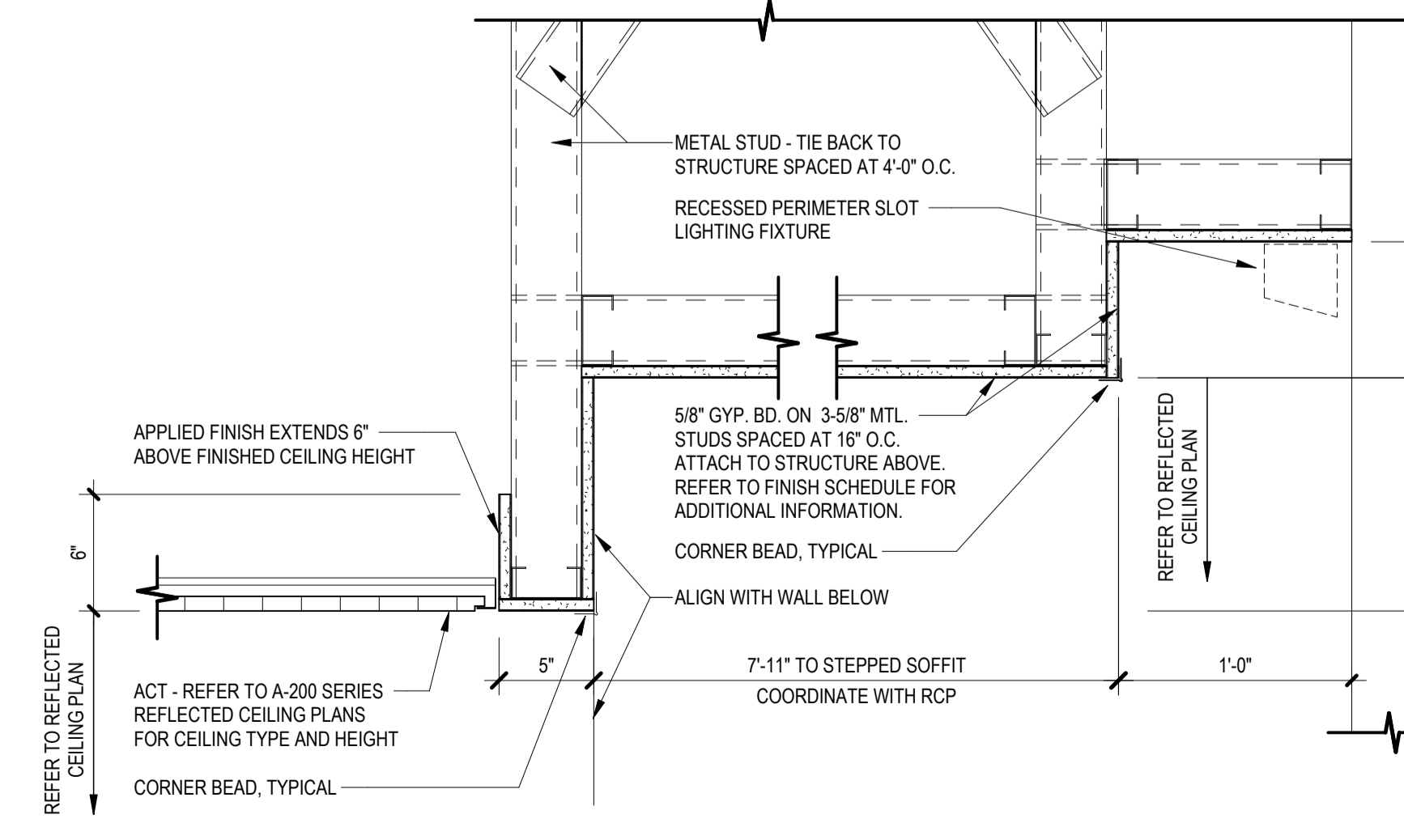
11 STEPPED SOFFIT DETAIL AT CURTAIN WALL WINDOW ASSEMBLY
SCALE: 1/12" = 1'-0"



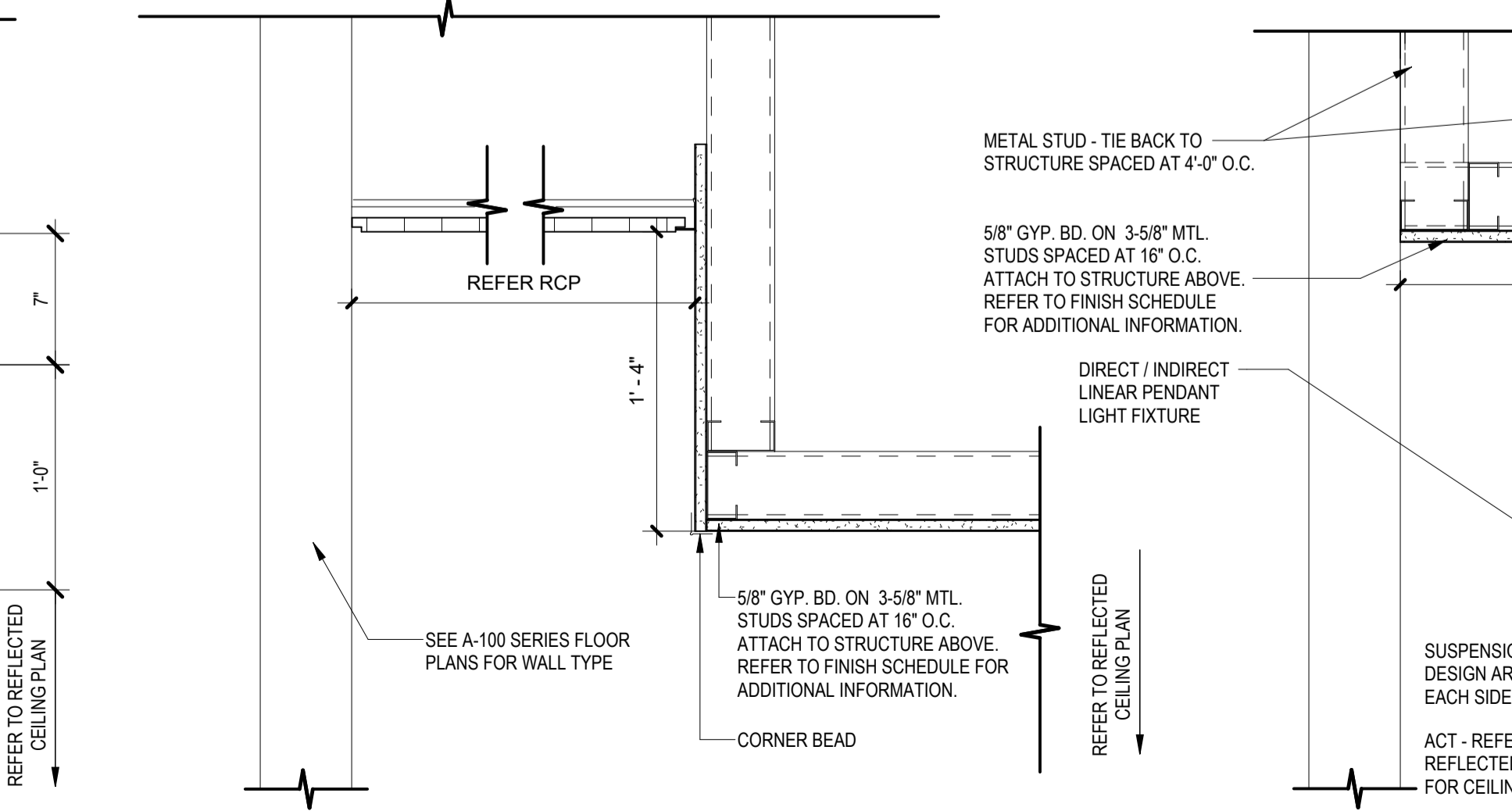
12 GYPSUM BOARD STEPPED SOFFIT TO ACT TRANSITION AT EXTERIOR CURTAIN WALL
SCALE: 1/12" = 1'-0"



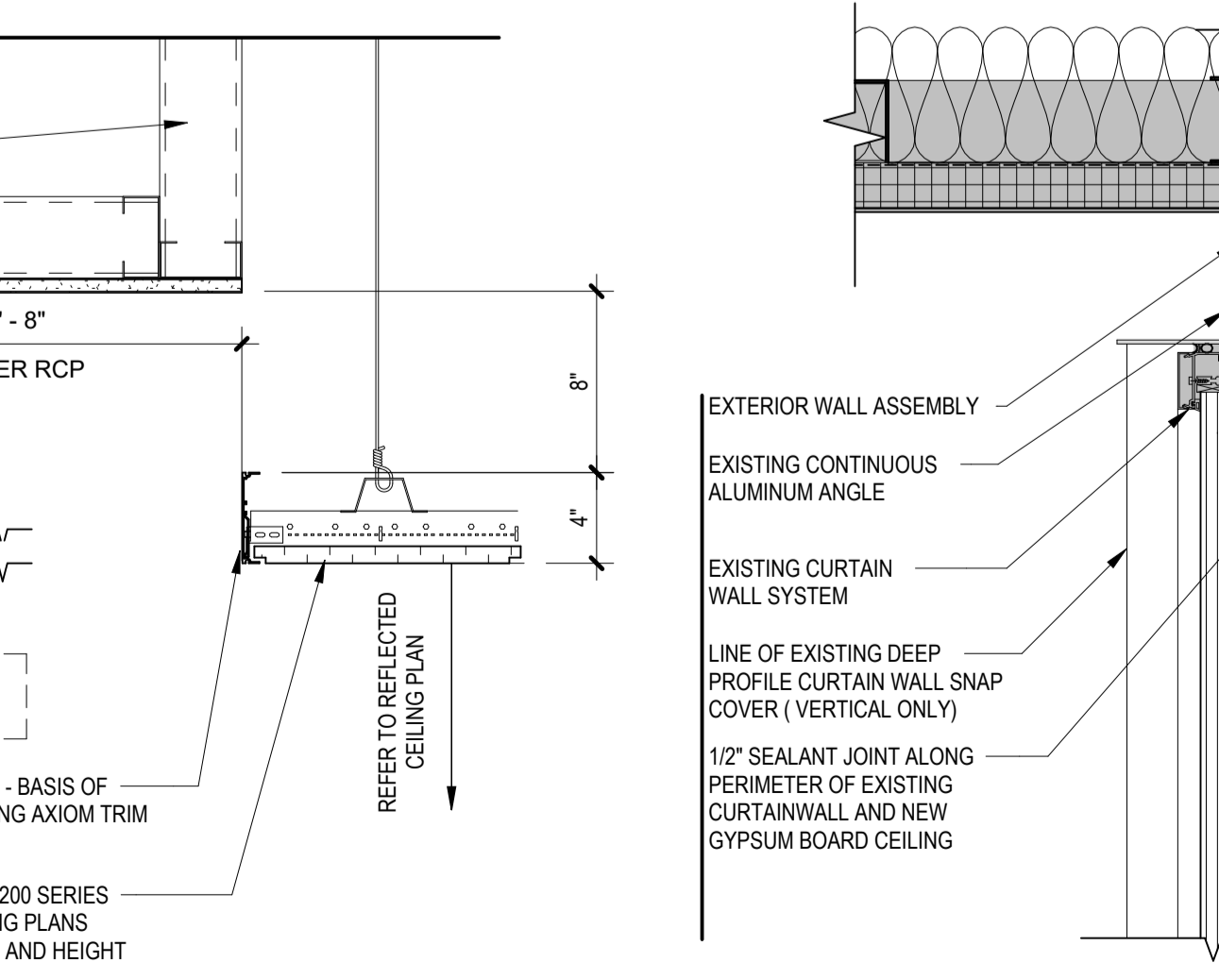
13 GYPSUM BOARD CEILING AT ELEVATOR LOBBY
SCALE: 1/12" = 1'-0"



14 GYPSUM BOARD SOFFIT TO LIGHT POCKET
SCALE: 1/12" = 1'-0"

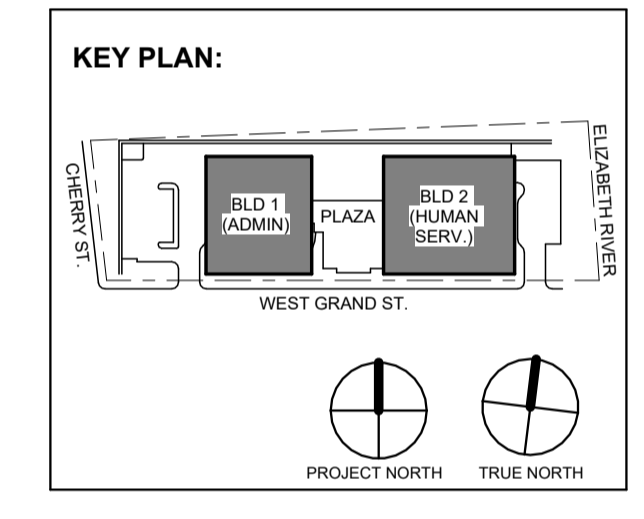


15 GYPSUM BOARD SOFFIT TO LIGHT POCKET
SCALE: 1/12" = 1'-0"



16 GYPSUM BOARD STEPPED SOFFIT TO ACT TRANSITION AT EXTERIOR CURTAIN WALL
SCALE: 1/12" = 1'-0"

GENERAL NOTES:
A. ALL SHADED AREAS INDICATES CORE & SHELL. REFER TO VOLUME I FOR ADDITIONAL INFORMATION.



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400
Jeffrey D. Venezia, AIA
NJ RA #A10927100

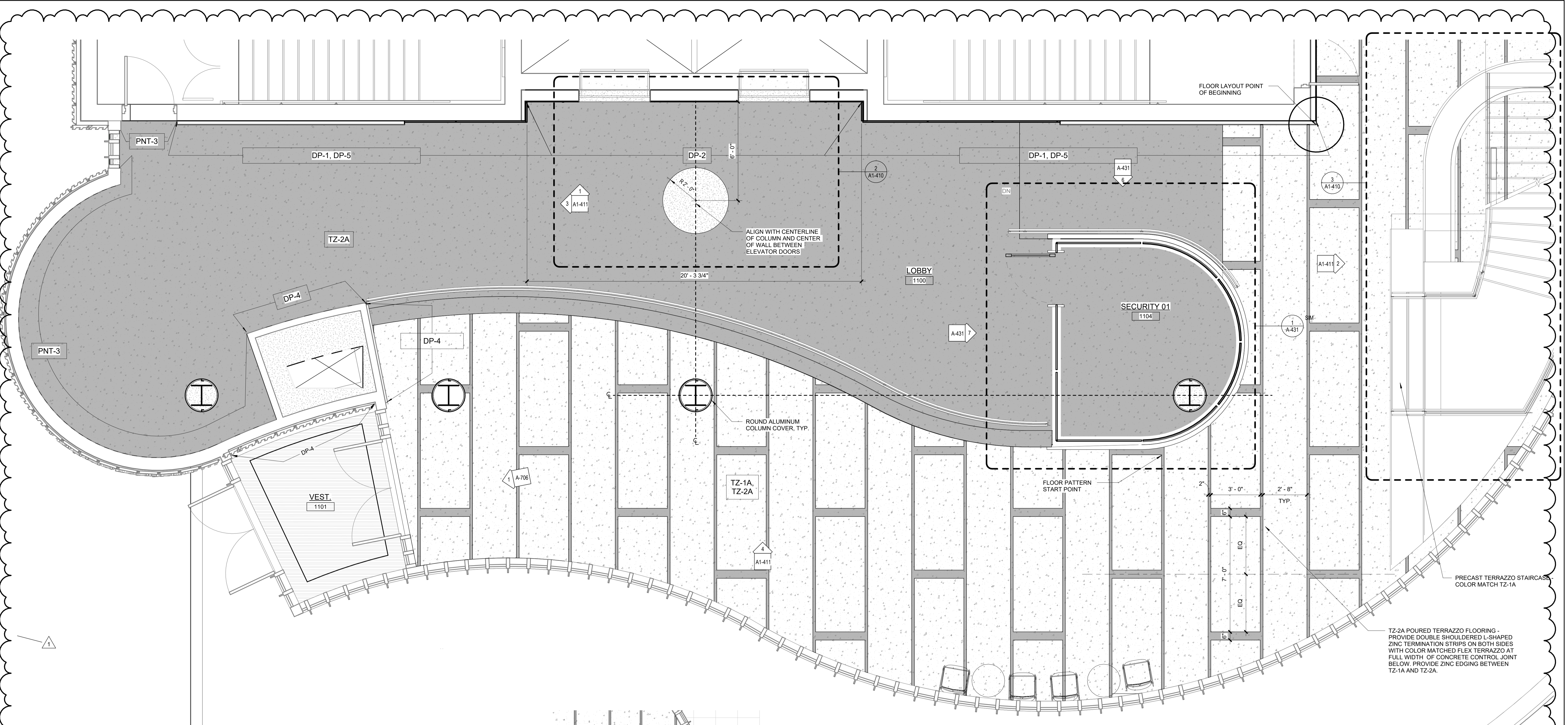
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

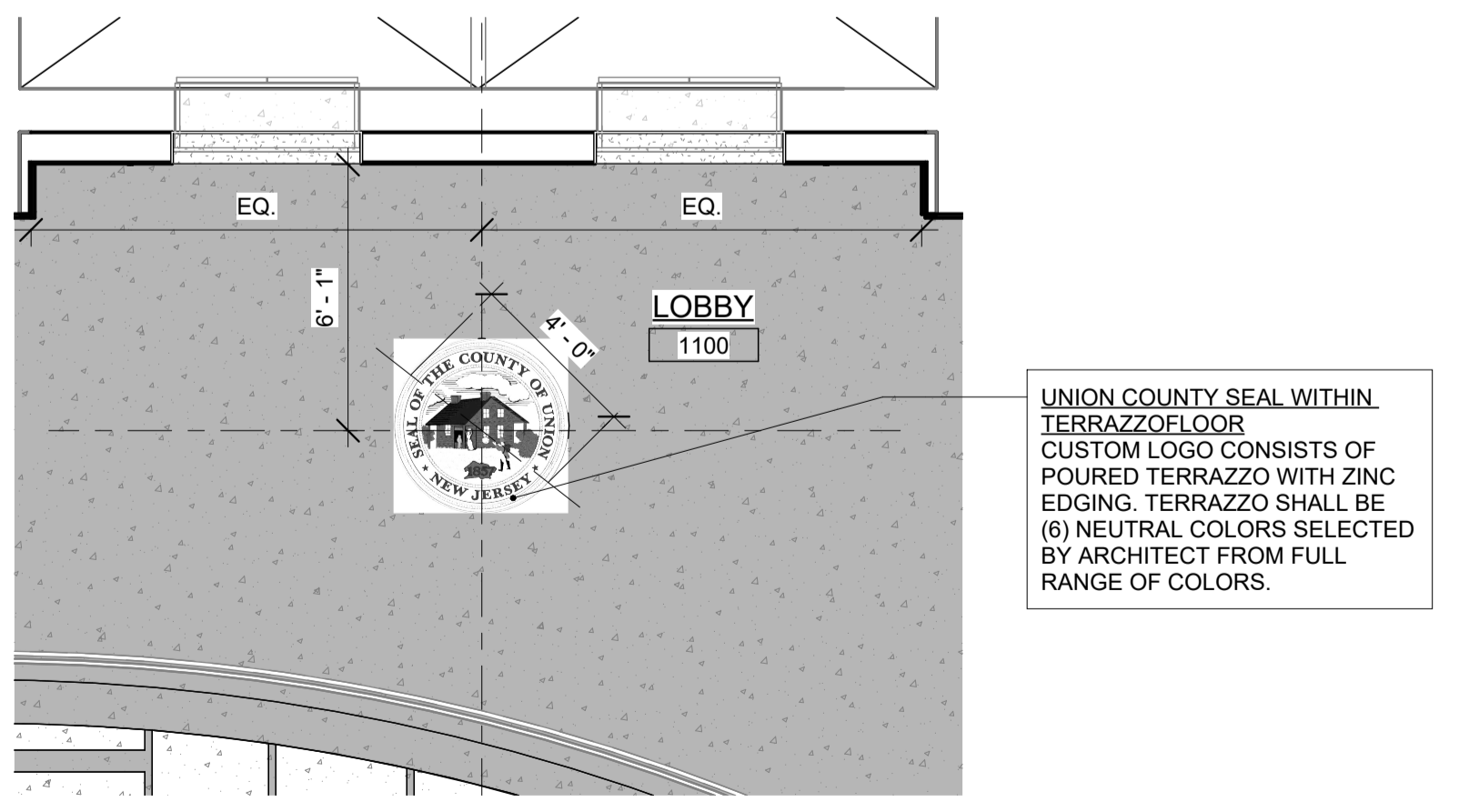
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
CEILING DETAILS

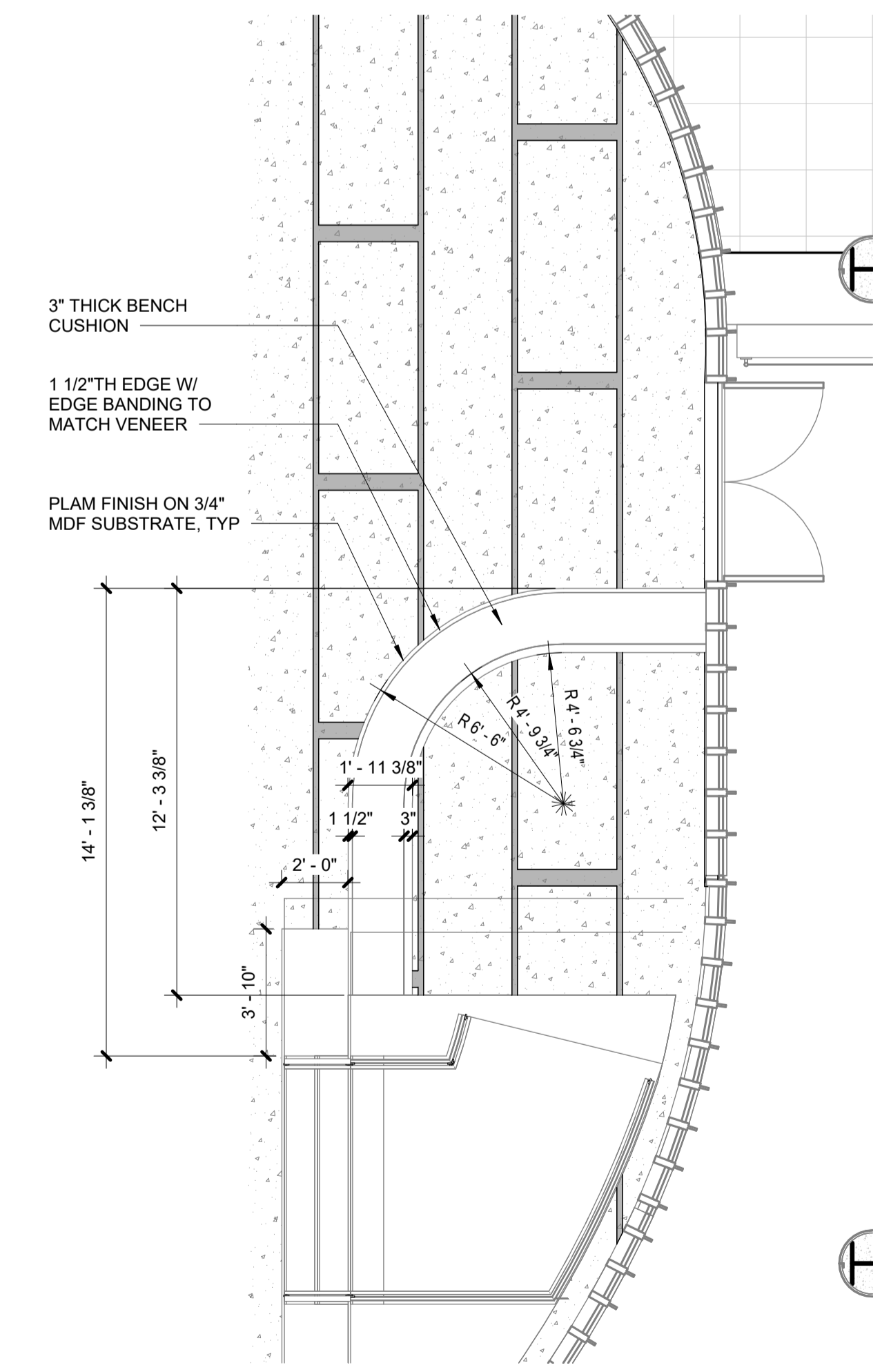
Sheet No:
A-223



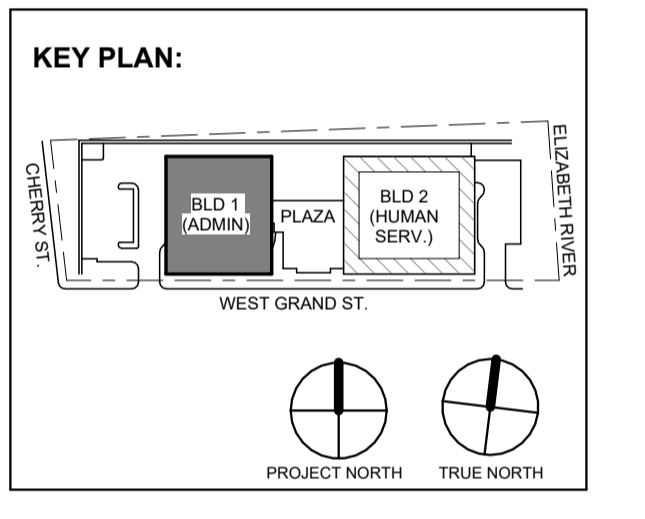
1 Building 1 - Level 1 Enlarged Lobby Plan
SCALE: 3/8" = 1'-0"



2 Building 1 - Level 1 Enlarged Lobby Plan - Elevator Wall
SCALE: 1/4" = 1'-0"



3 Building 1 - Level 1 Enlarged Lobby Plan - Bench at Stair
SCALE: 1/4" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 09827100

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

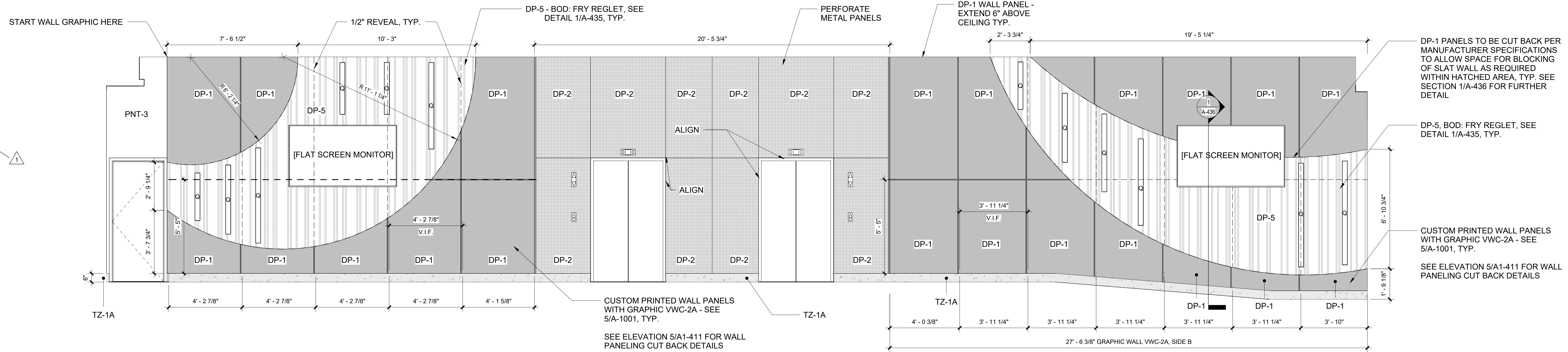
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Project Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BUILDING NO. 1 - ENLARGED MAIN LOBBY PLANS

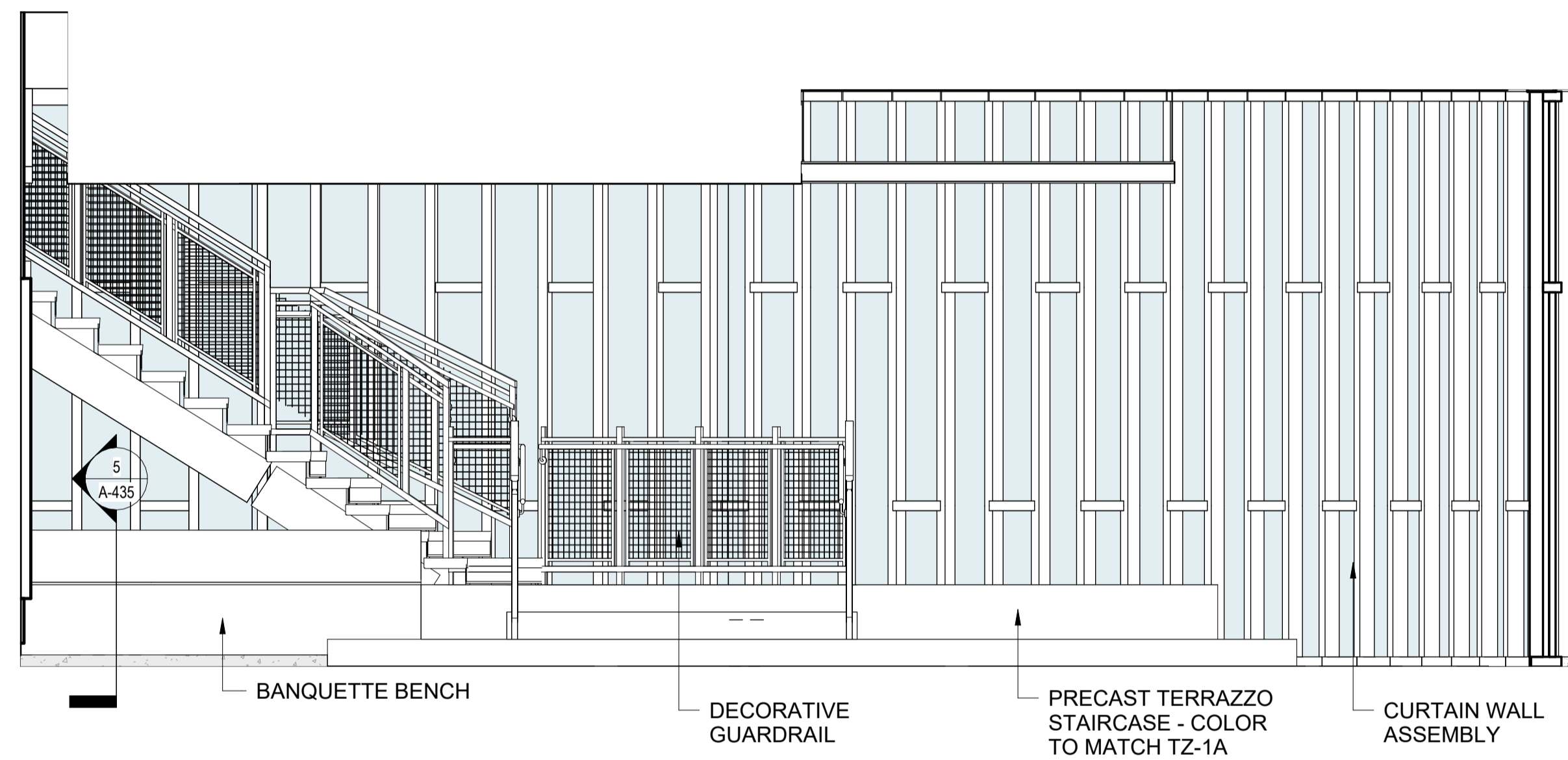
Sheet No:

A1-410



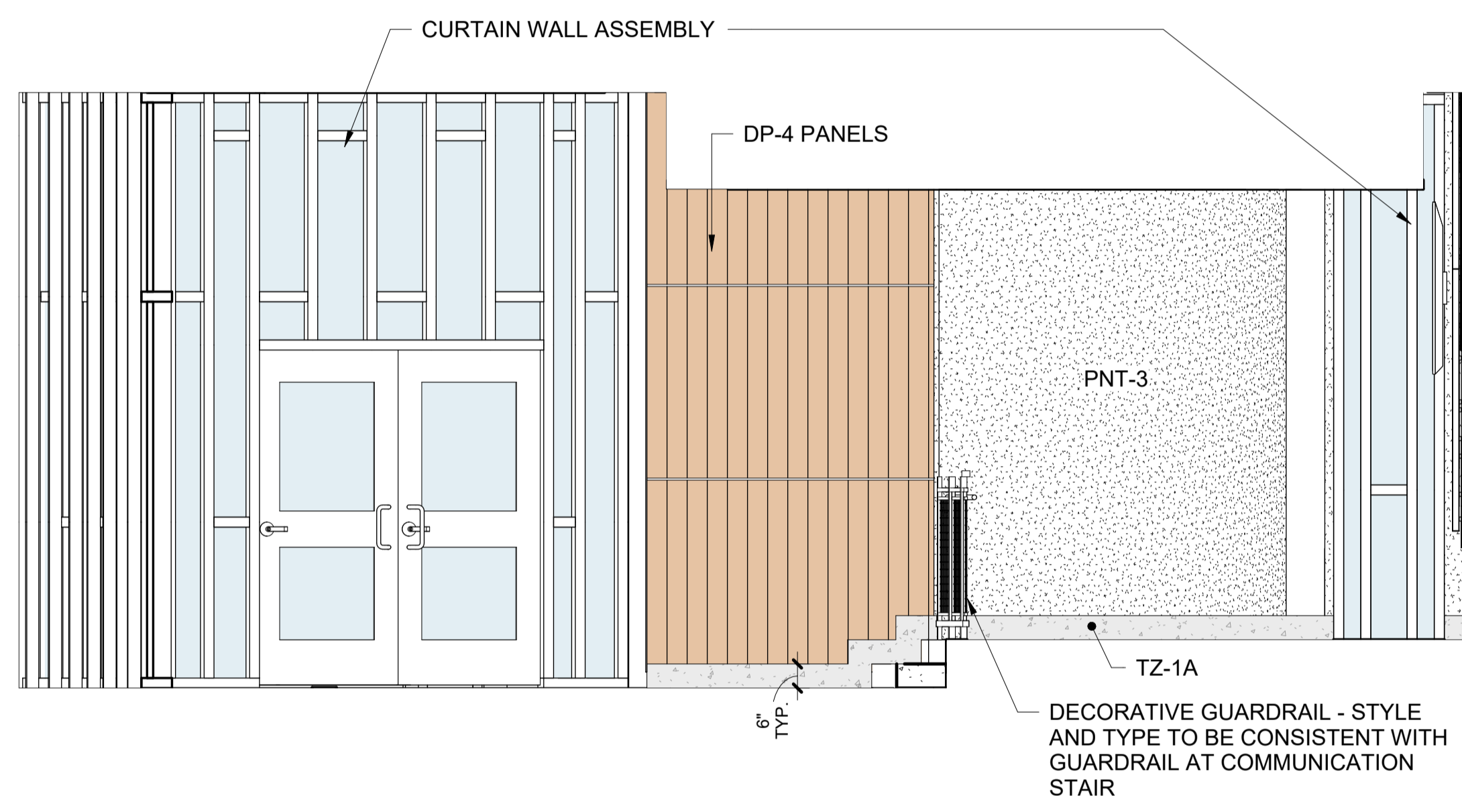
1 Building 1 - Level 1 Lobby 1100 - Partial North

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



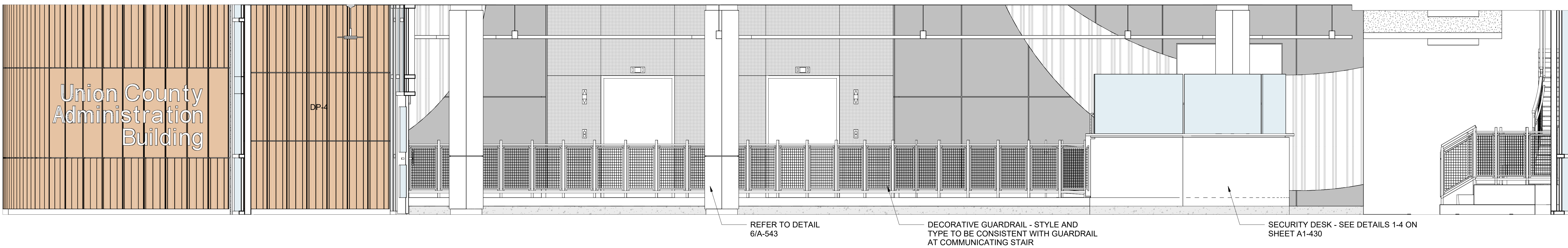
2 Building 1 - Level 1 Lobby 1100 Interior Elevation - East

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



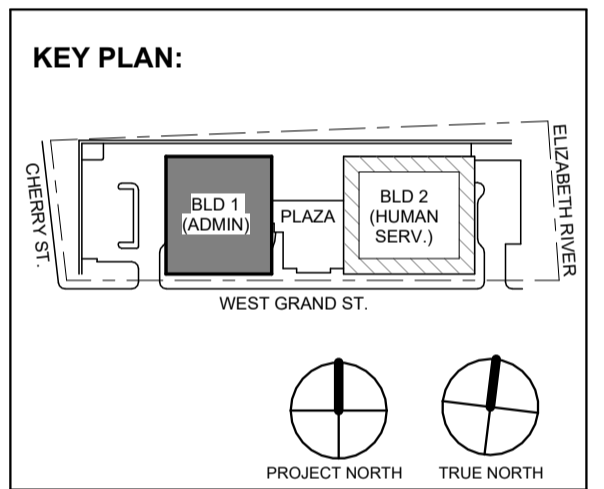
3 Building 1 - Level 1 Lobby 1100 Interior Elevation - West

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



4 Building 1 - Level 1 Lobby 1100 Interior Elevation - North

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



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DiGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400
Jeffrey D. Venezia, AIA
NJ RA AI 09827100

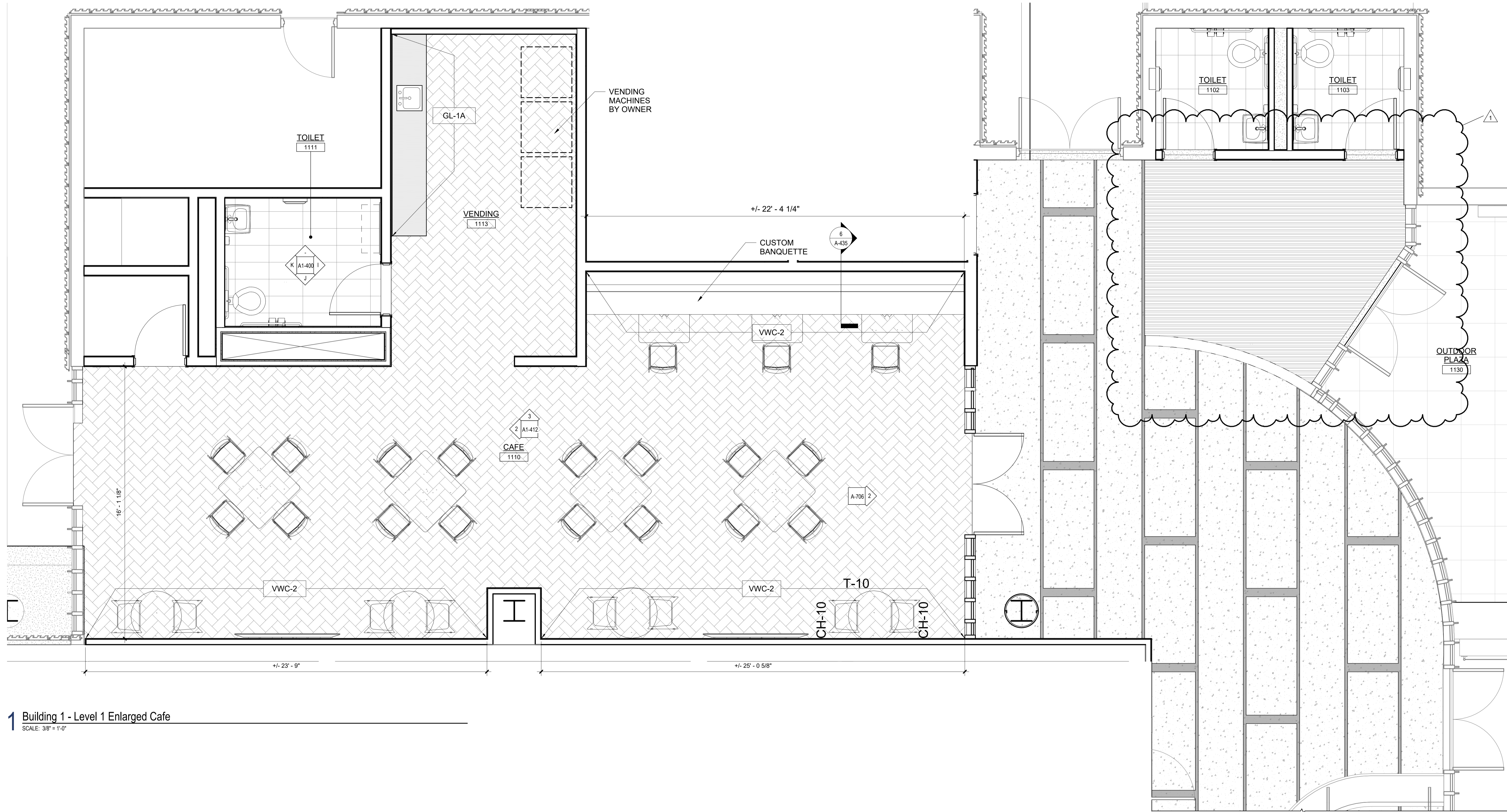
DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.
Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

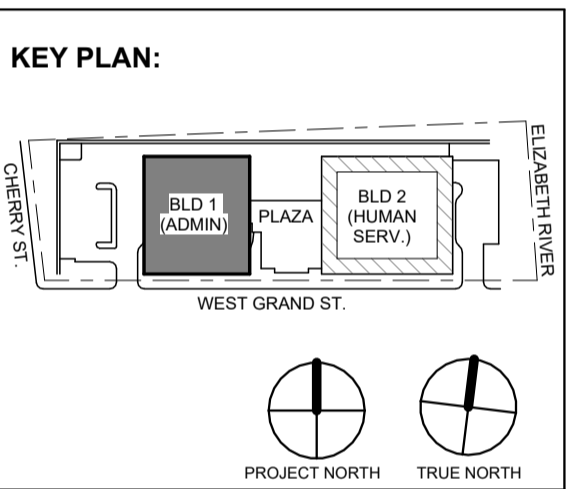
Project Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BUILDING NO. 1 - ENLARGED MAIN LOBBY INTERIOR ELEVATIONS

Sheet No:
A1-411



1 Building 1 - Level 1 Enlarged Cafe
SCALE: 3/8" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DI Group Architecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 05827100

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

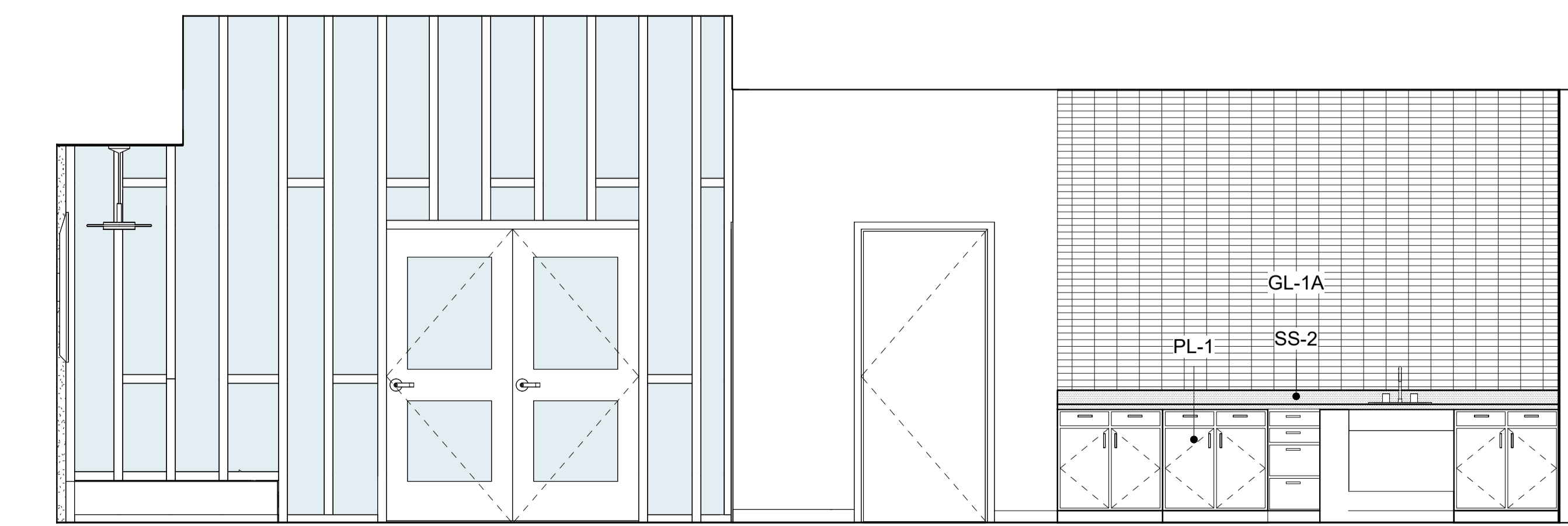
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JS / AV / PC
Checked By: JM / SH

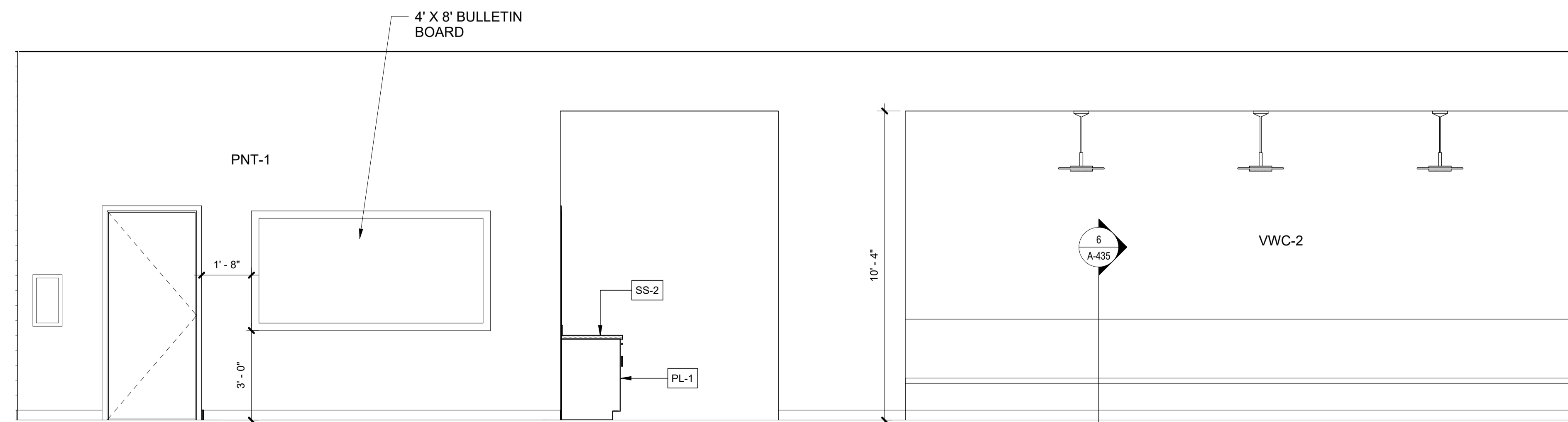
Sheet Name:
BUILDING NO. 1 ENLARGED CAFE PLANS

Sheet No:

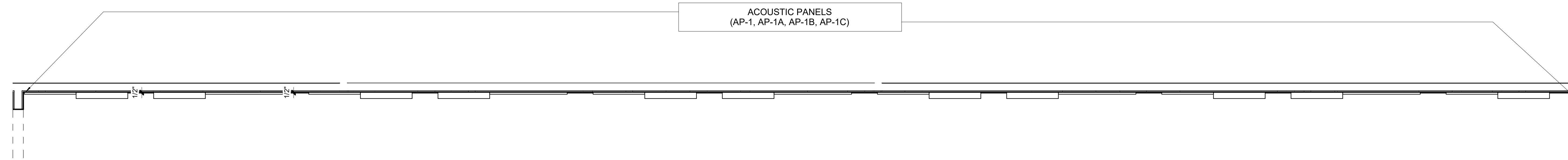
A1-412



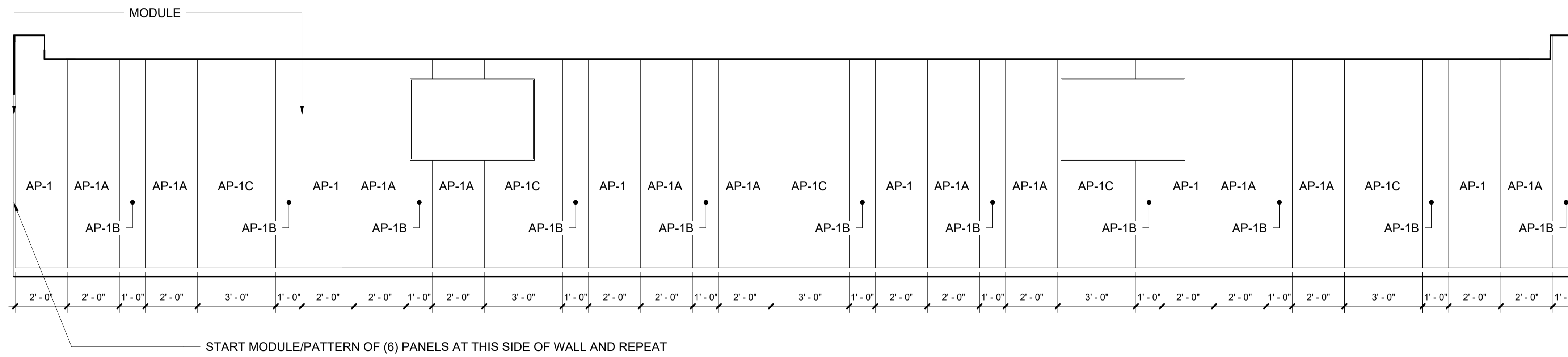
2 Building 1 - Level 1 Cafe Interior Elevation - West
SCALE: 3/8" = 1'-0"



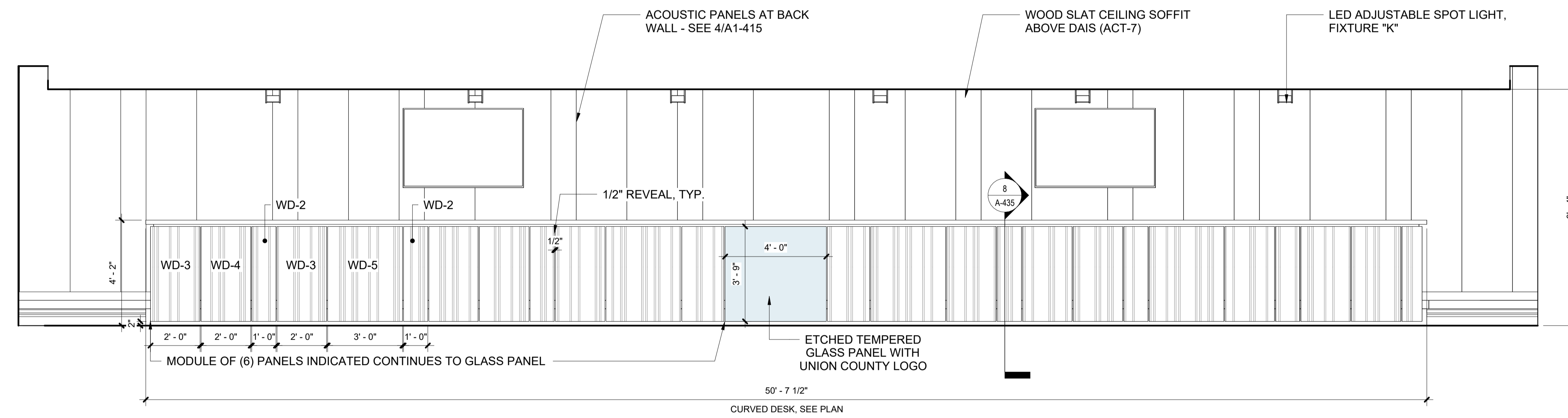
3 Building 1 - Level 1 Cafe Interior Elevation - North
SCALE: 3/8" = 1'-0"



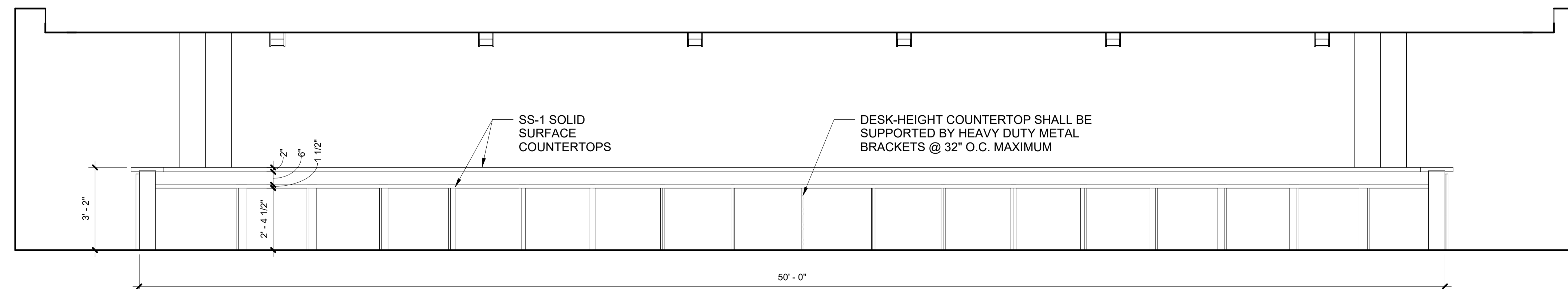
1 Commissioner's Meeting Room Acoustic Panel Enlarged Plan
SCALE: 1/2" = 1'-0"



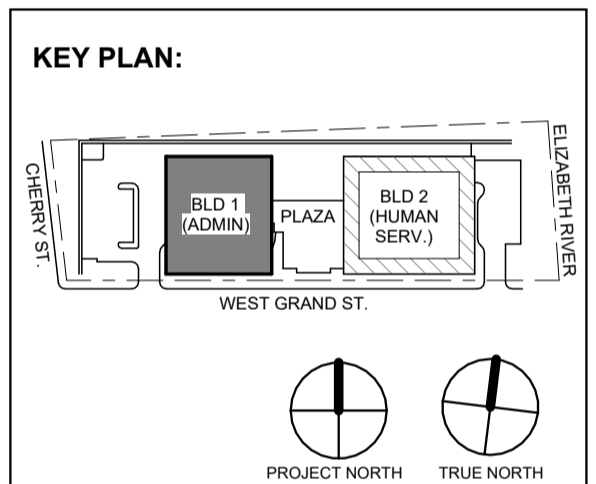
2 Building 1 - Level 2 - Commissioner's Meeting Room Interior Elevation - Acoustic Panels
SCALE: 3/8" = 1'-0"



3 Building 1 - Level 2 - Commissioner's Meeting Room Interior Elevation - North
SCALE: 3/8" = 1'-0"



4 Building 1 - Level 2 - Commissioner's Meeting Room Interior Elevation - Dais Interior
SCALE: 3/8" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400
Jeffrey D. Venezia, AIA
NJ RA AI 09827100

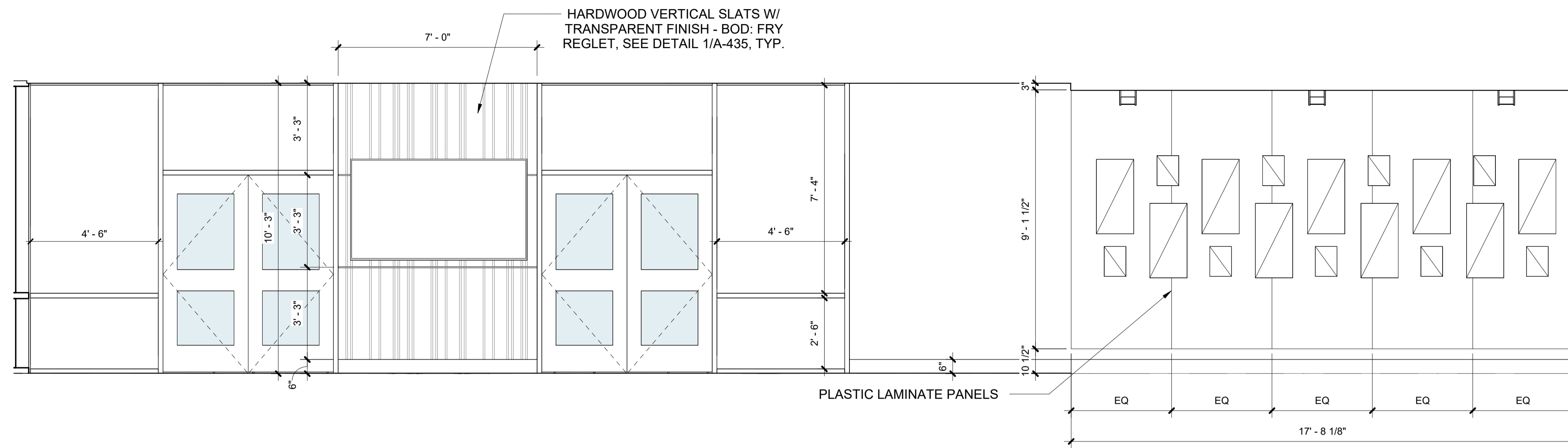
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

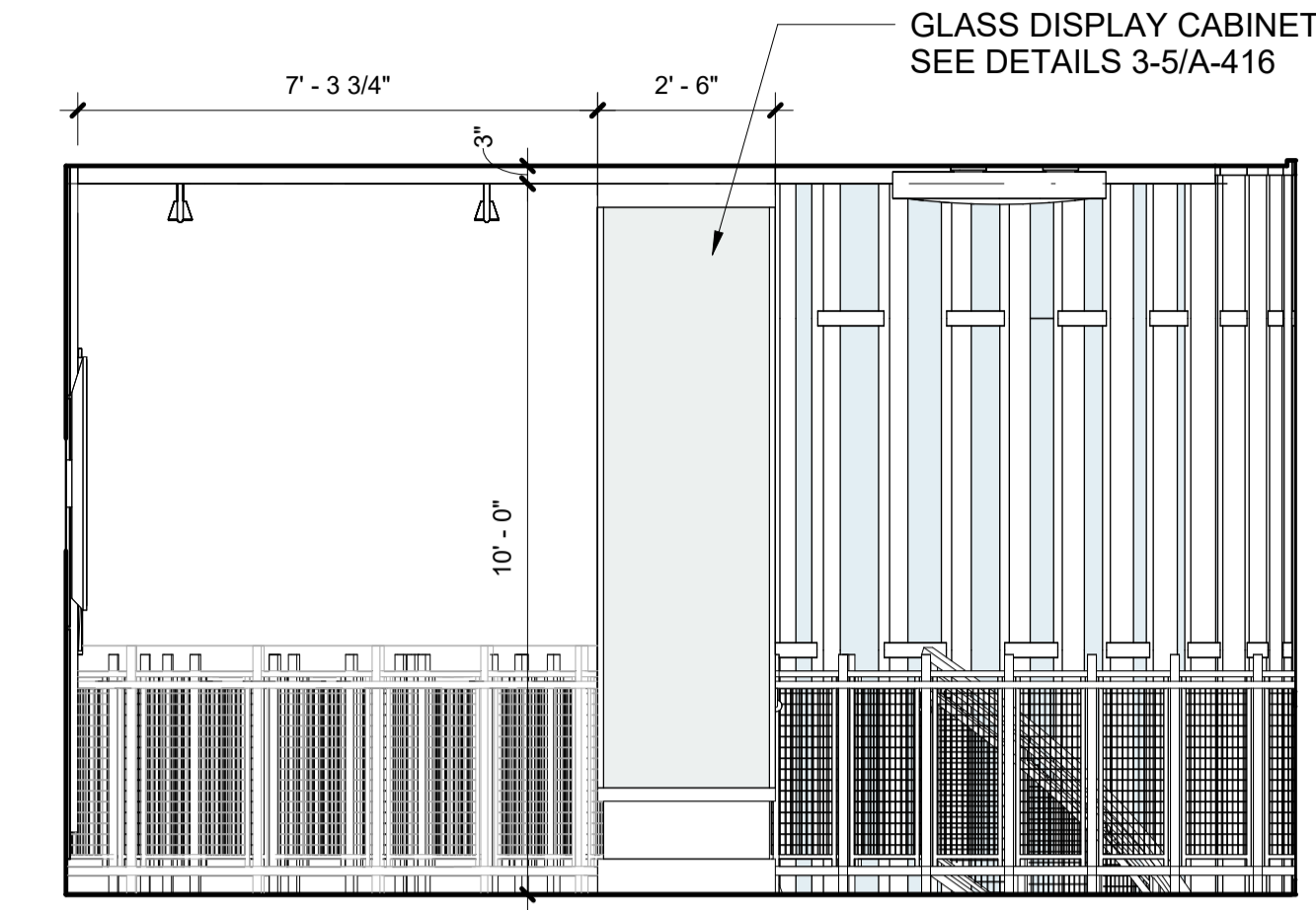
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BUILDING NO. 1 - COMMISSIONER'S MEETING ROOM INTERIOR ELEVATIONS

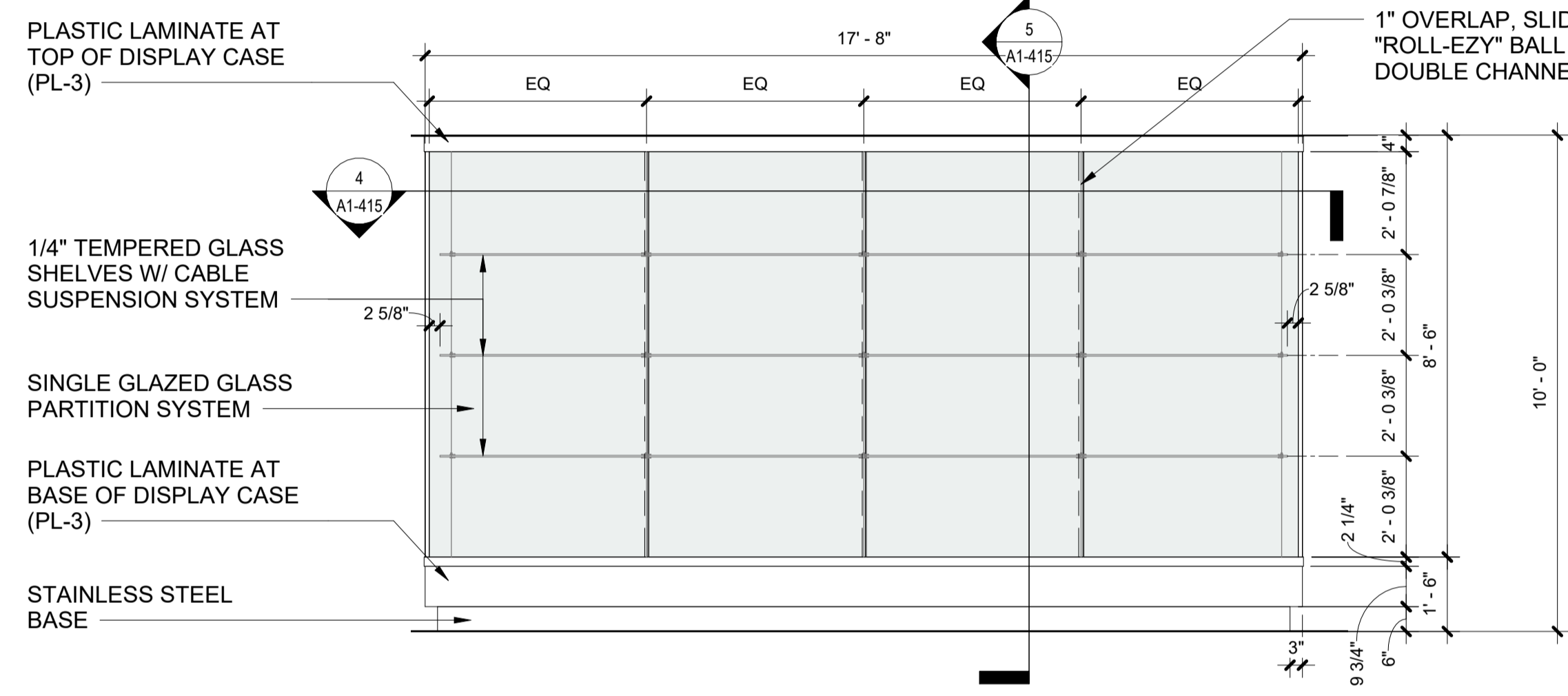
Sheet No:
A1-414



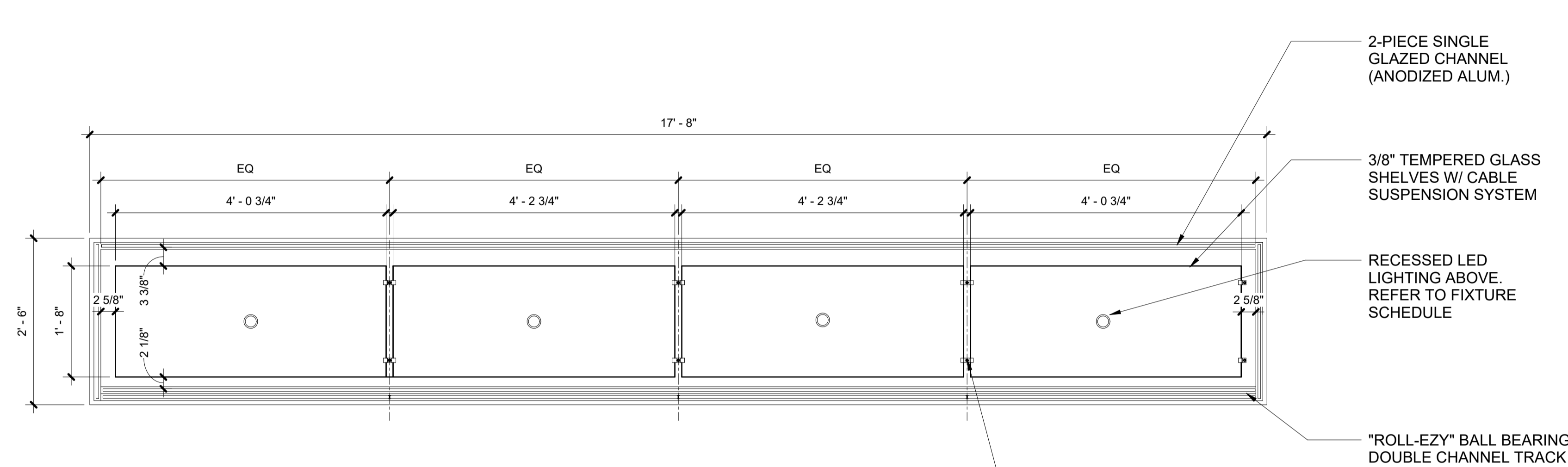
1 Building 1 - Level 2 - Commissioner's Vestibule Interior Elevation - West
SCALE: 3/8" = 1'-0"



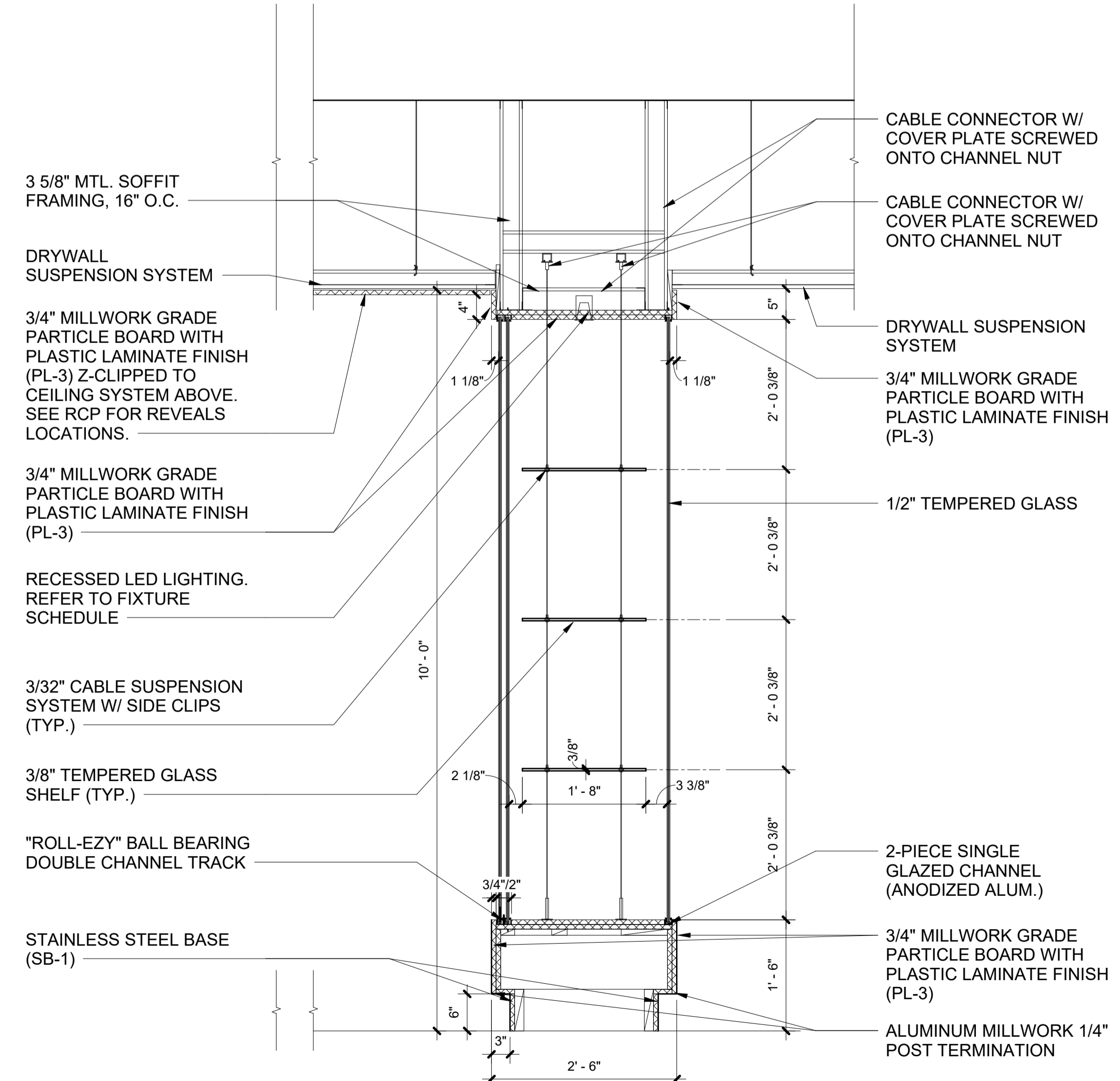
2 Building 1 - Level 2 - Commissioner's Vestibule Interior Elevation - North
SCALE: 3/8" = 1'-0"



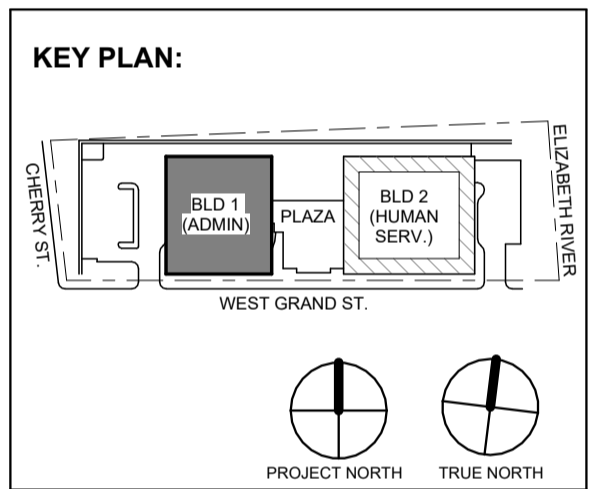
3 Building 1 - Level 2 - Commissioner's Vestibule Interior Elevation - Glass Display Cabinet
SCALE: 3/8" = 1'-0"



4 Commissioner's Vestibule - Glass Display Cabinet - Horizontal Section
SCALE: 3/4" = 1'-0"



5 Commissioner's Vestibule - Glass Display Cabinet - Vertical Section
SCALE: 3/4" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
11	08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400
Jeffrey D. Venezia, AIA
NJ RA AI 0927100

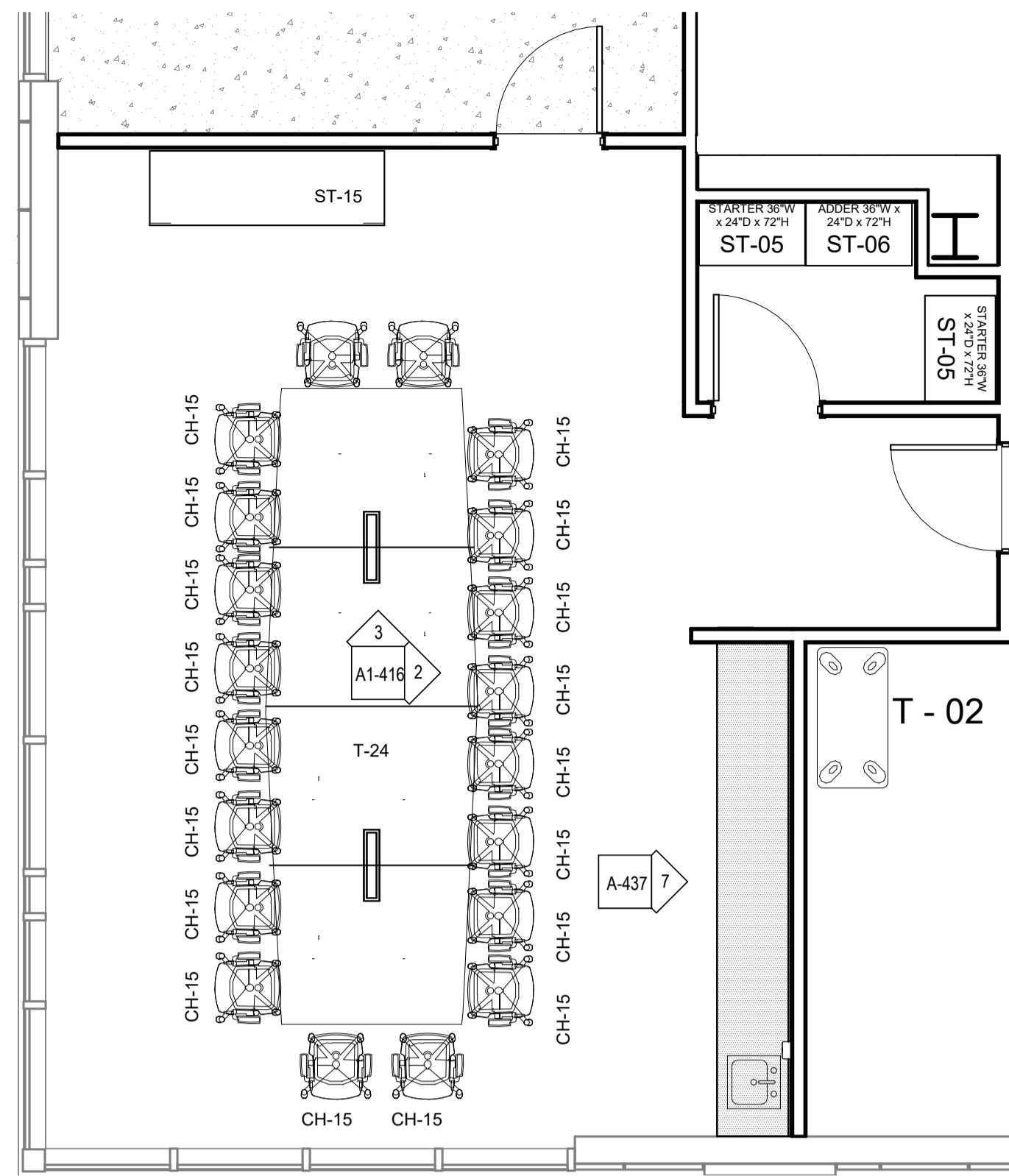
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

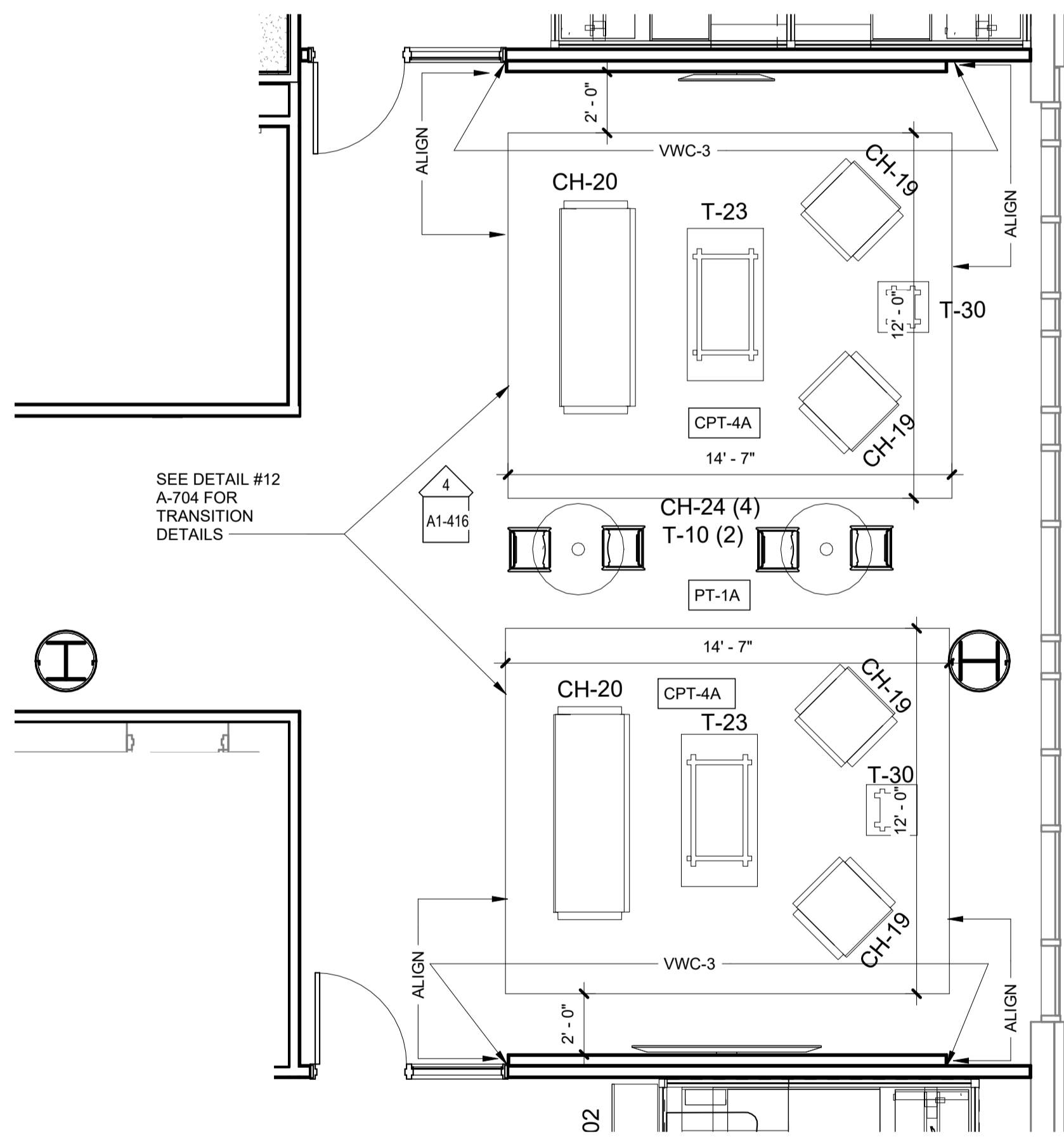
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BUILDING NO. 1 - COMMISSIONER'S VESTIBULE INTERIOR ELEVATIONS

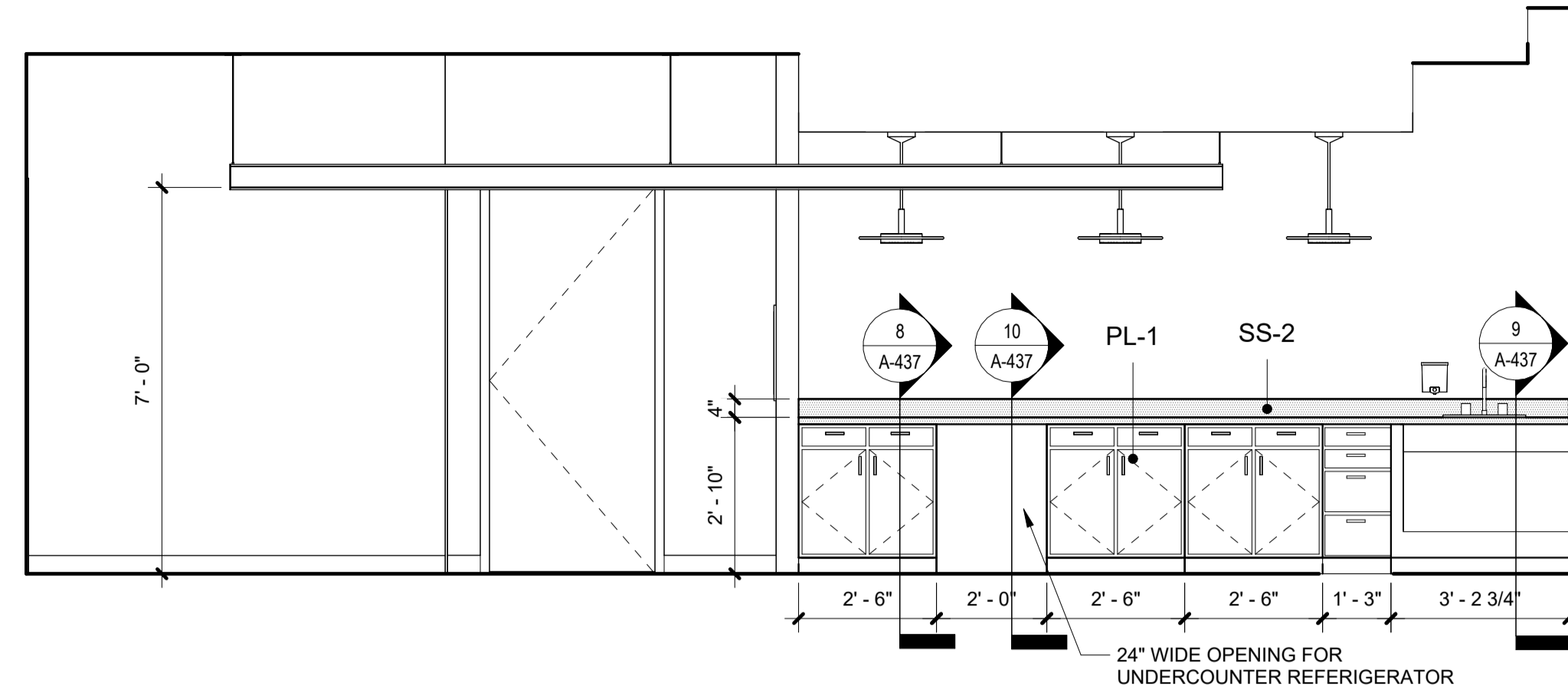
Sheet No:
A1-415



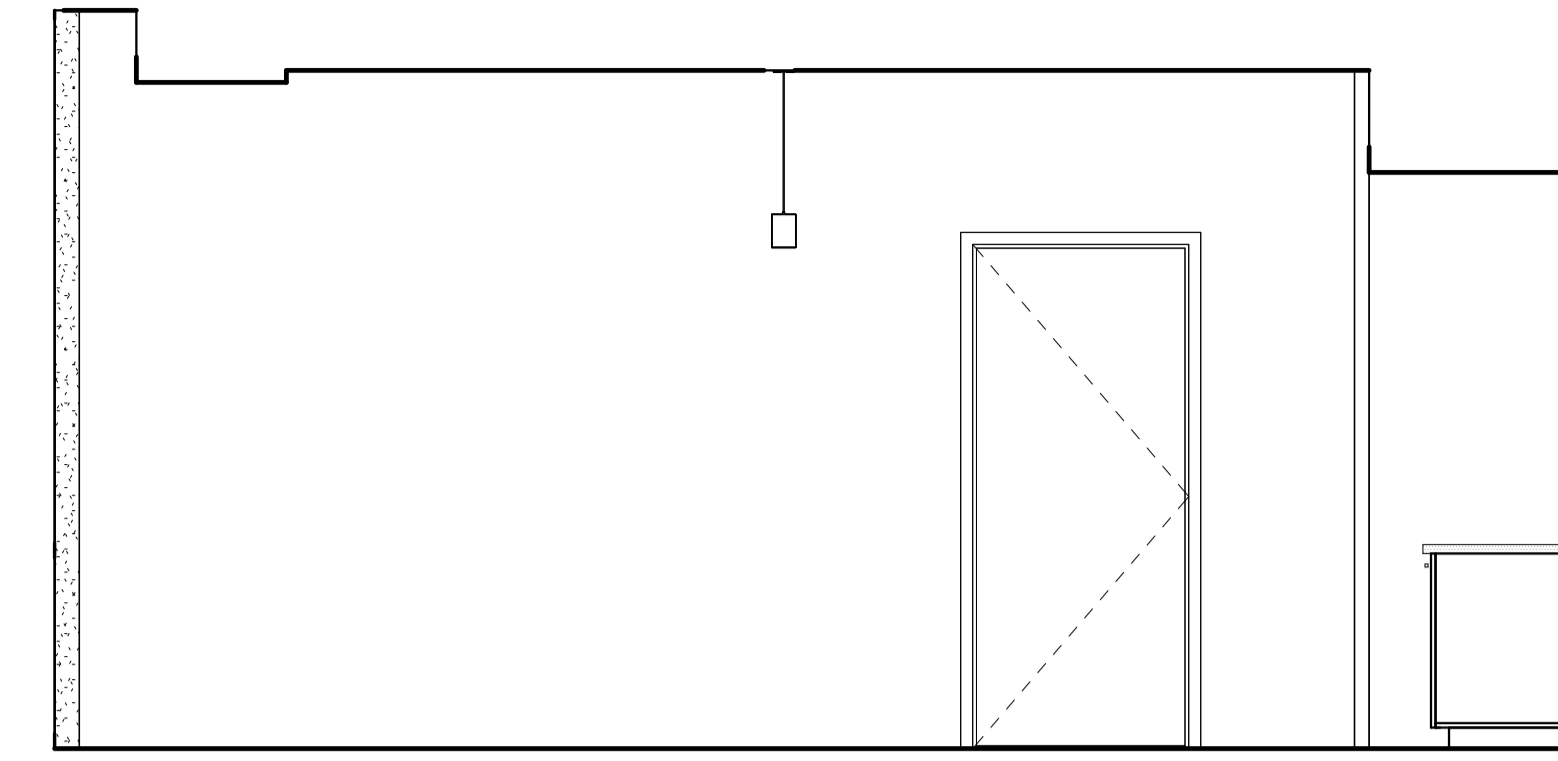
1 Building 1 - Level 2 - Commissioner's Conference Room
SCALE: 1/4" = 1'-0"



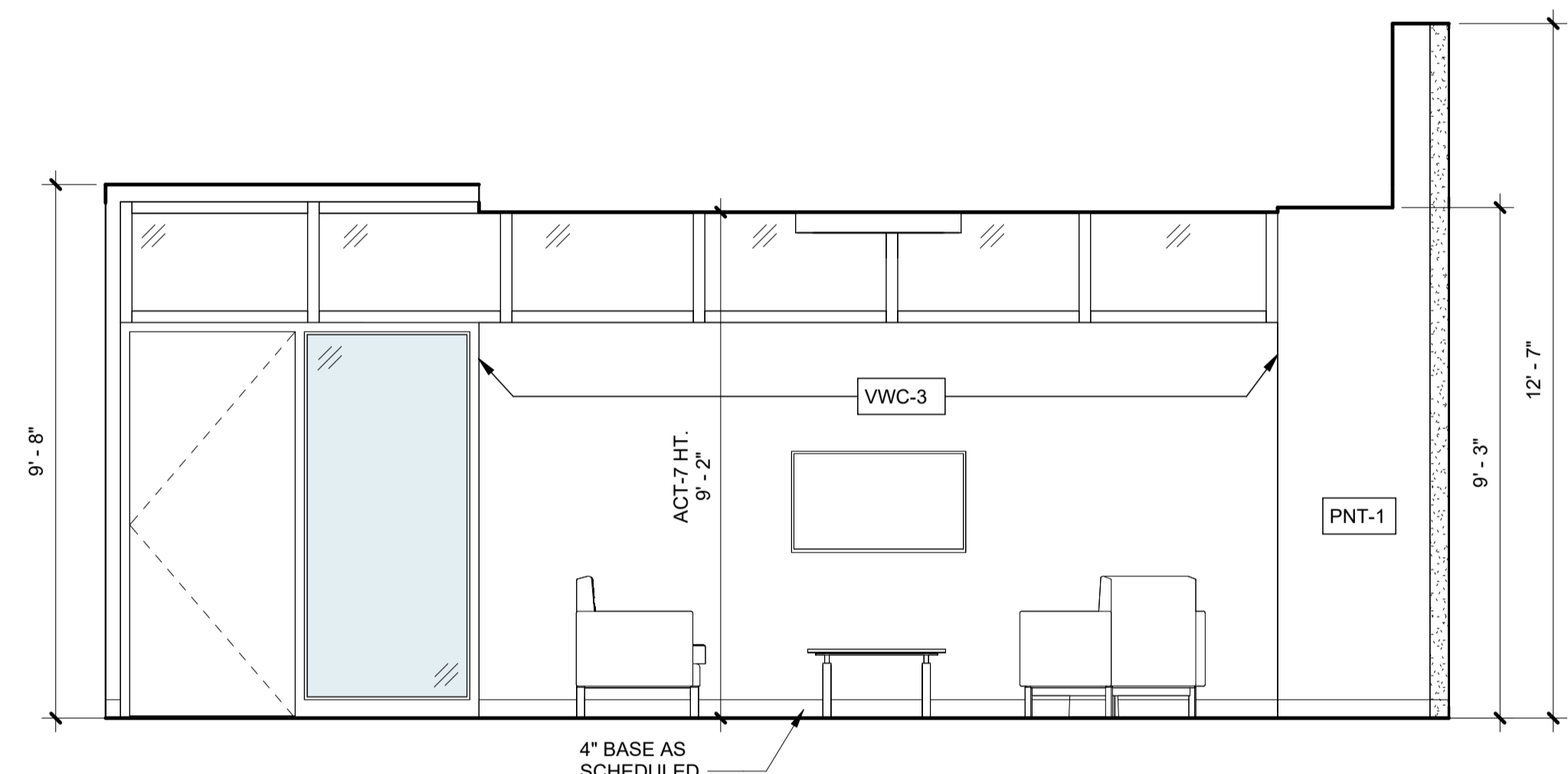
5 BLDG 1 - Level 5 County Manager Lounge
SCALE: 1/4" = 1'-0"



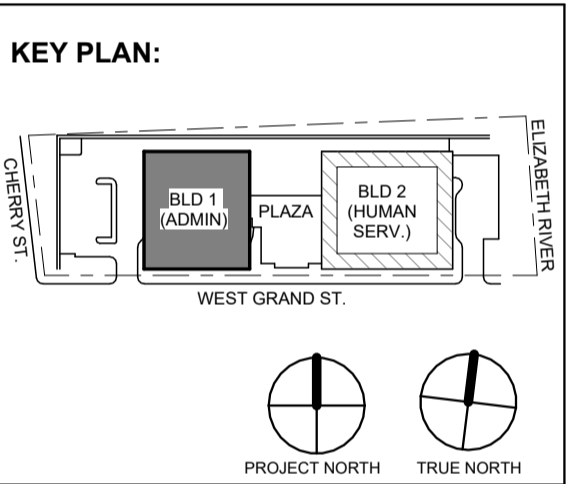
2 Building 1 - Level 2 - Commissioner's Conference Room Interior Elevation -
SCALE: 3/8" = 1'-0"



3 Building 1 - Level 2 - Commissioner's Conference Room Interior Elevation - b
SCALE: 3/8" = 1'-0"



4 Building 1 - Level 5 - Lounge Interior Elevation - North and South (Opp.)
SCALE: 3/8" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 09827100

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

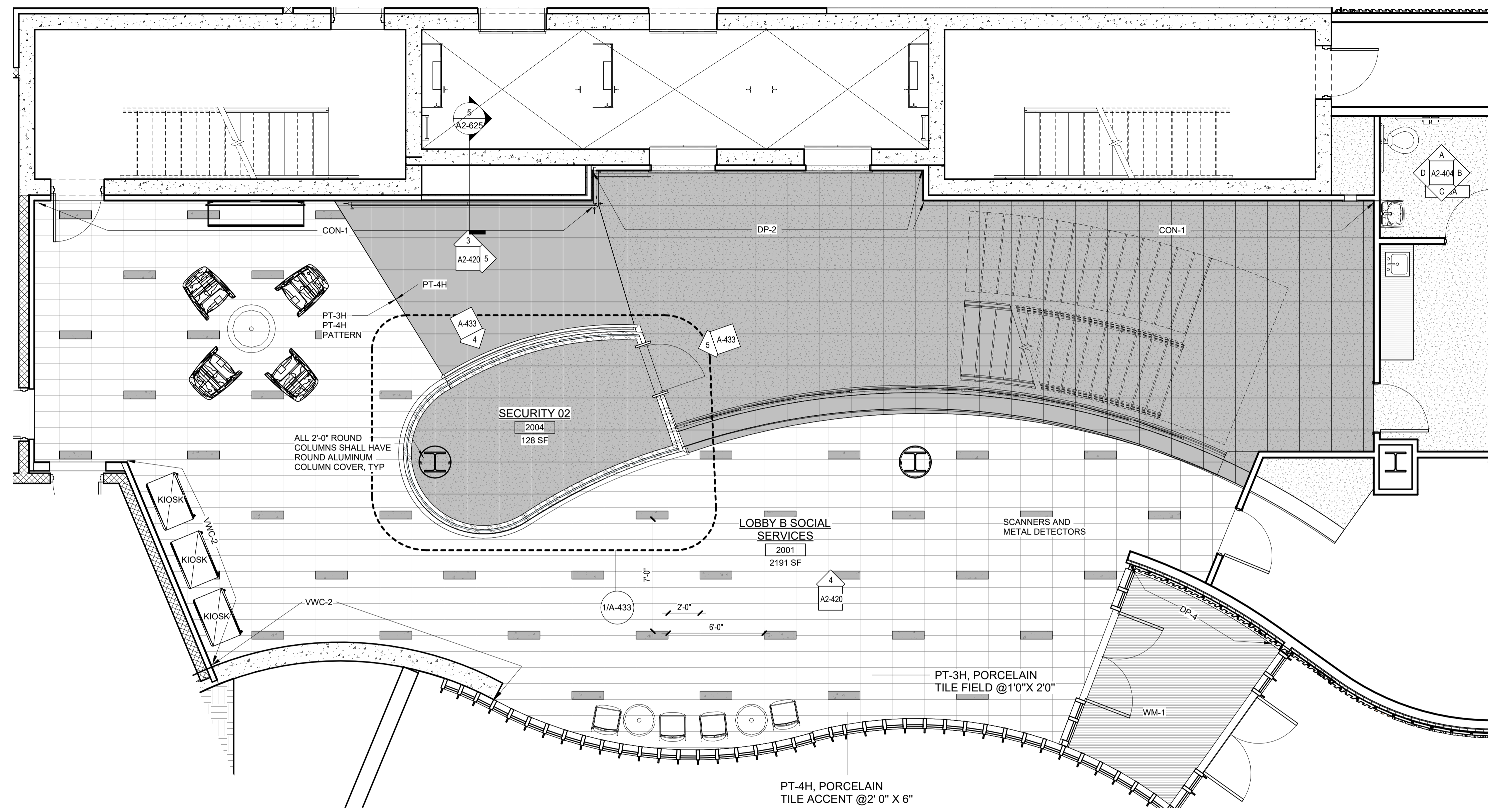
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

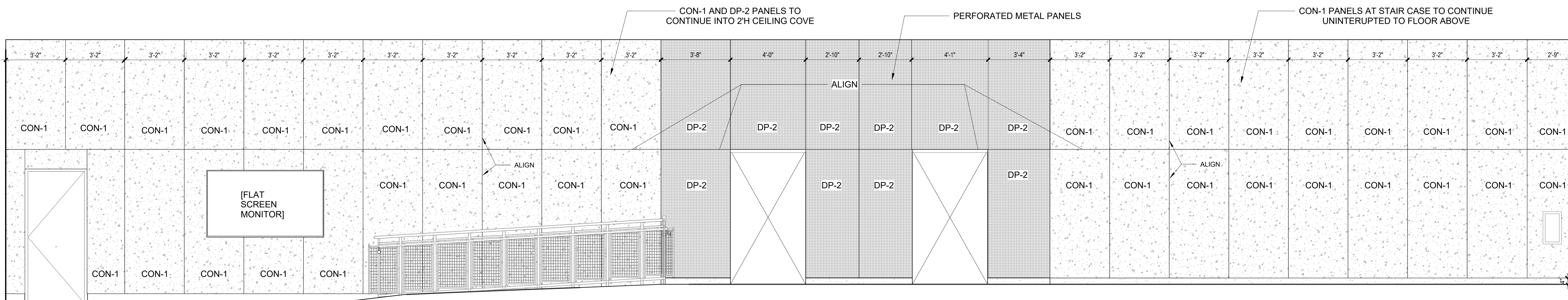
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BUILDING NO. 1 - COMM. CONF. ROOM & COUNTY MANAGER LOUNGE ENLARGED PLANS AND ELEVATIONS

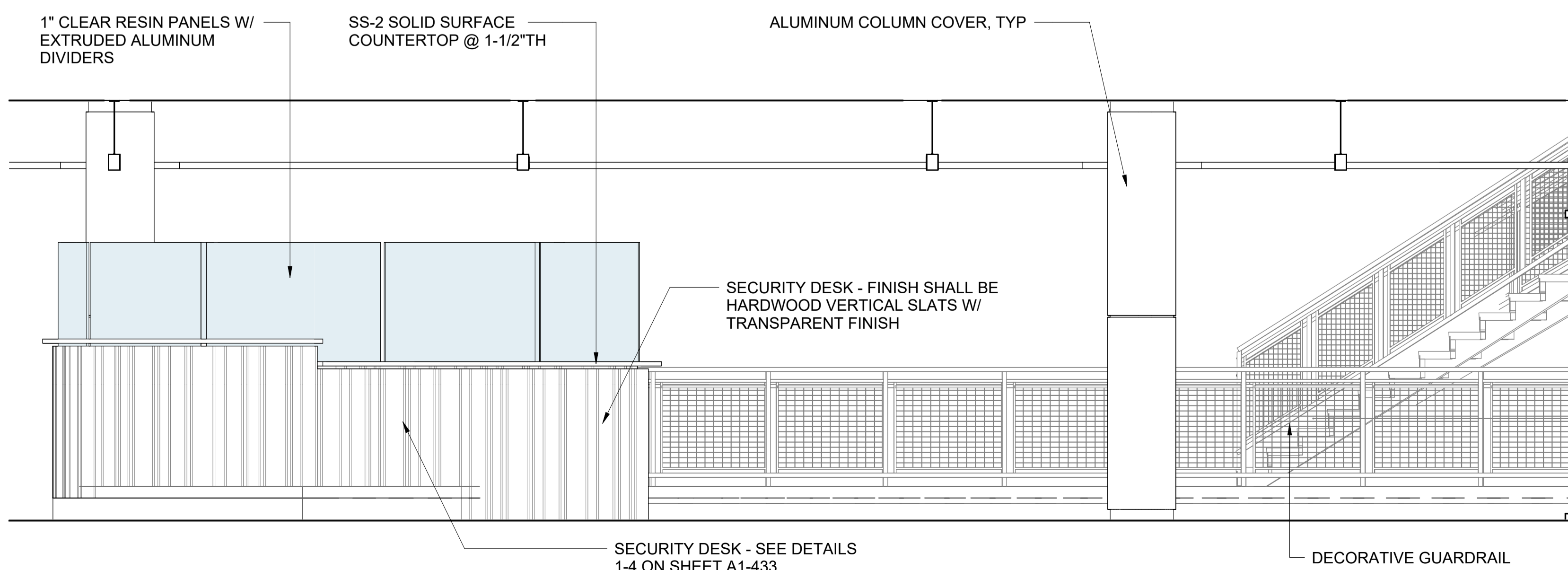
A1-416



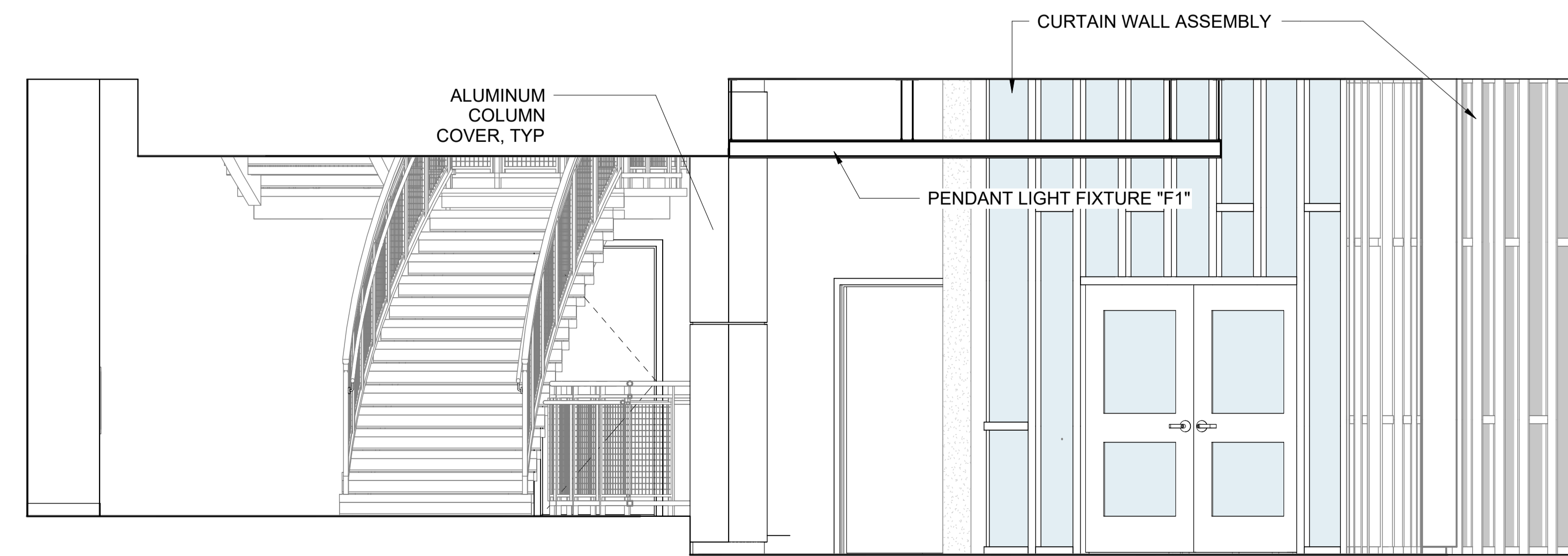
1 Building 2 - Level 0 - Enlarged Lobby Plan
SCALE: 1/4" = 1'-0"



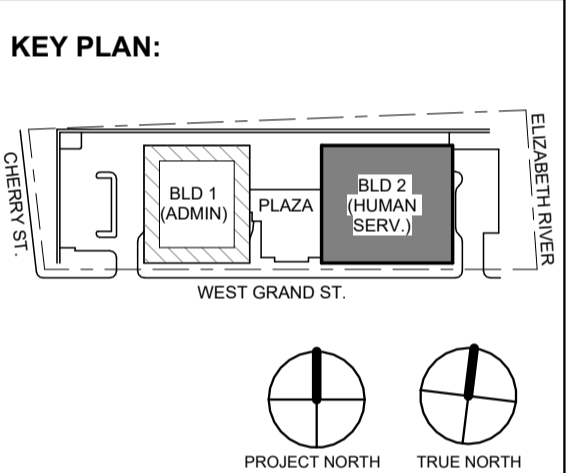
3 Building 2 - Main Lobby Interior Elevation - North
SCALE: 3/8" = 1'-0"



4 Building 2 - Main Lobby Interior Elevation - Partial North
SCALE: 3/8" = 1'-0"



5 Building 2 - Main Lobby Interior Elevation - East
SCALE: 3/8" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DiGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

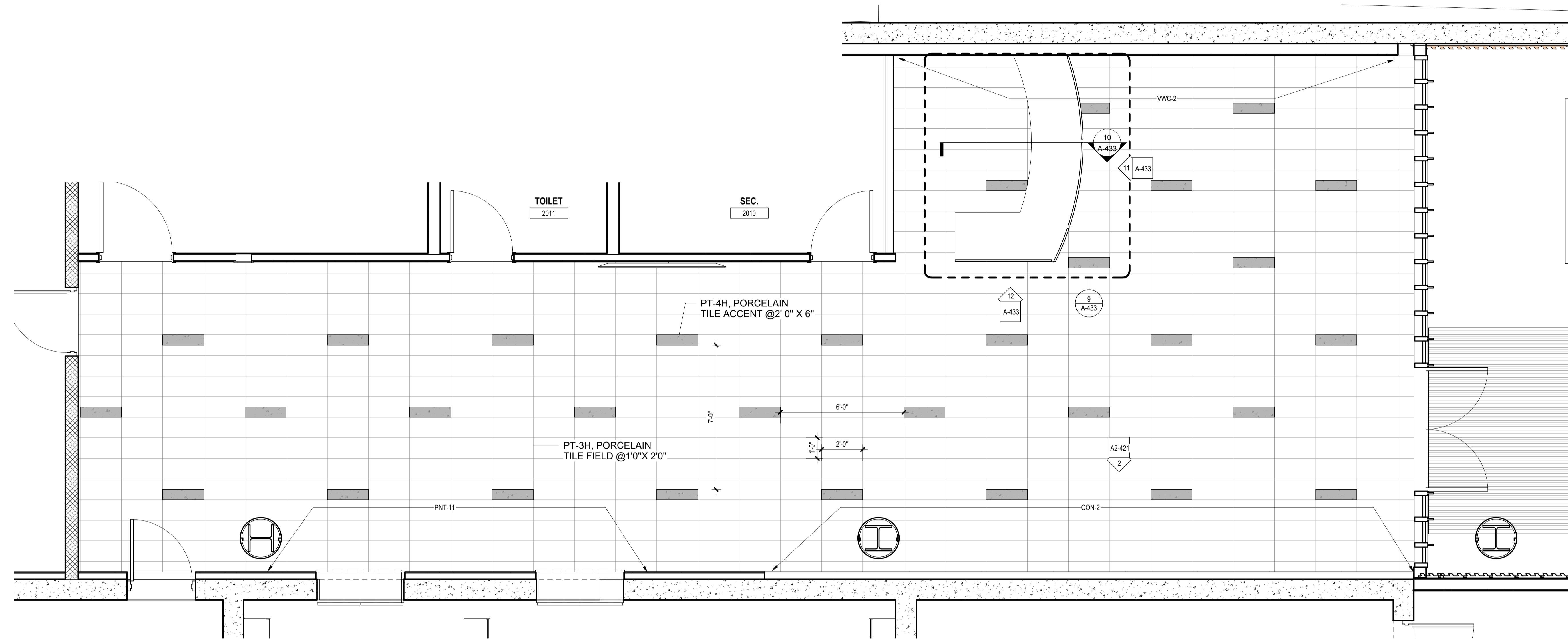
Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

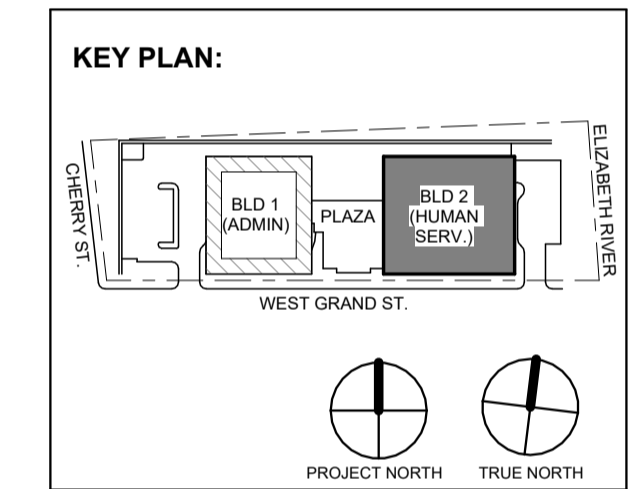
Sheet Name:
BUILDING NO. 2 - ENLARGED MAIN LOBBY PLANS AND INTERIOR ELEVATIONS

Sheet No:

A2-420



1 Building 2 - Level 0 - Enlarged Employee Lobby Plan
SCALE: 3/8" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400
Jeffrey D. Venezia, AIA
NJ RA AI 05827100

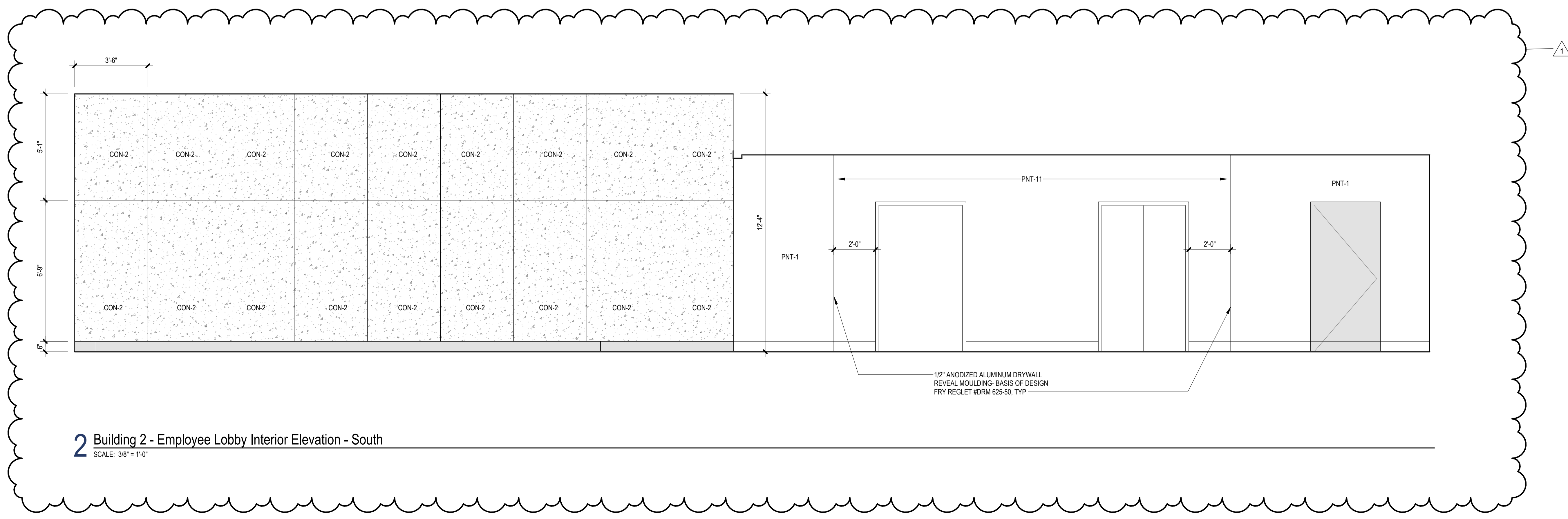
DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

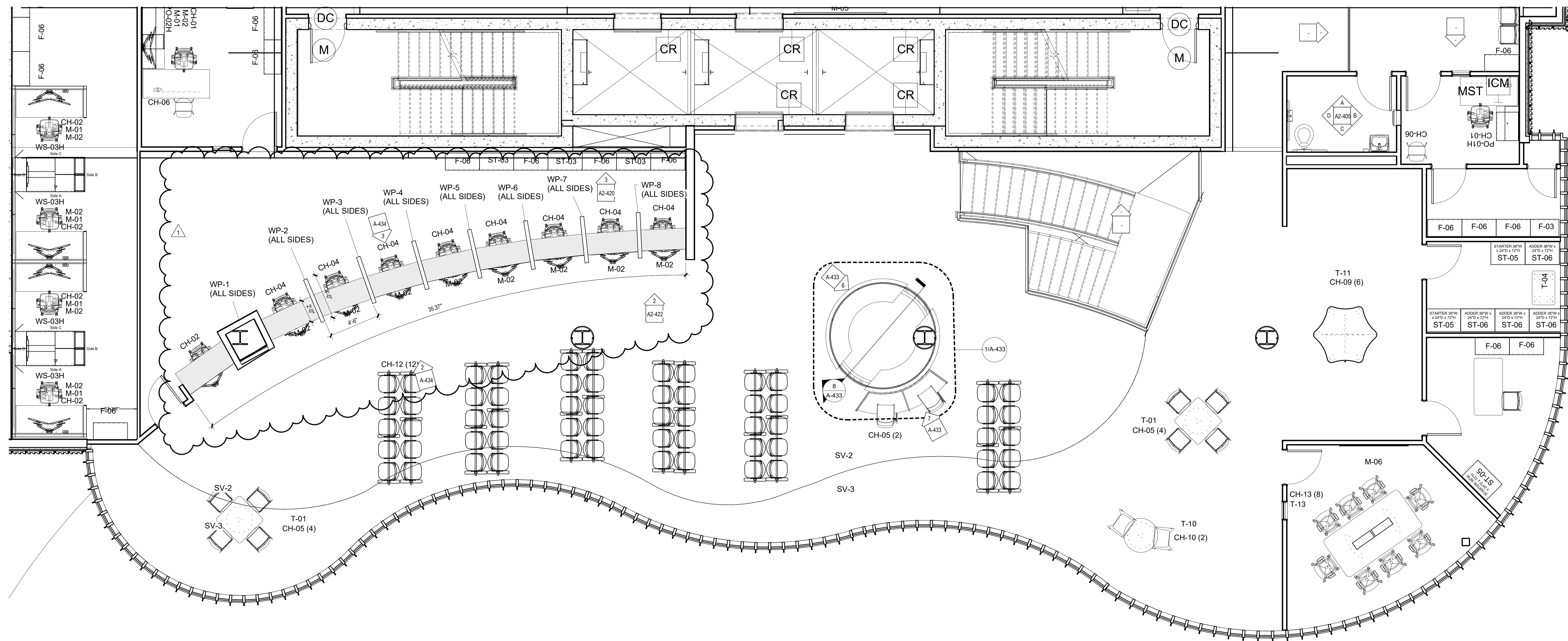
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BUILDING NO. 2 - ENLARGED EMPLOYEE LOBBY AND INTERIOR ELEVATIONS

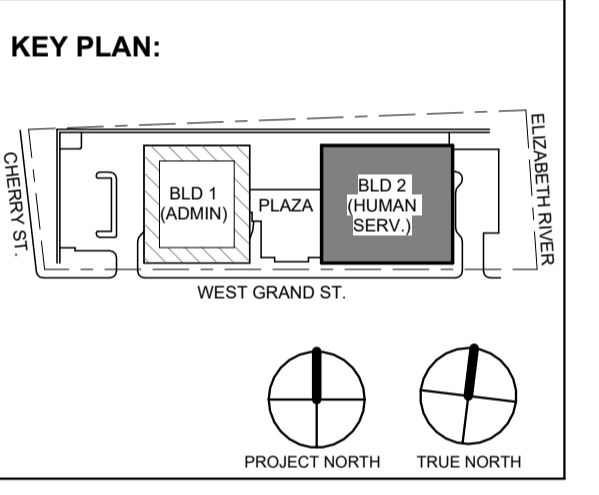
Sheet No:
A2-421



2 Building 2 - Employee Lobby Interior Elevation - South
SCALE: 3/8" = 1'-0"



1 BLDG 2 - Level 1 Social Services Lobby Plan
SCALE: 1/4" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

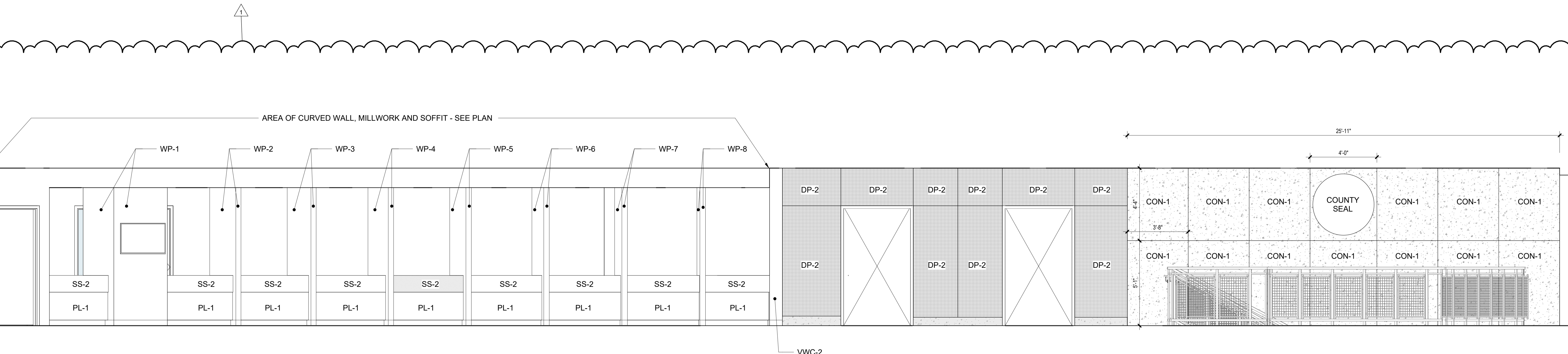
Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BUILDING NO. 2 - SOCIAL SERVICES LOBBY AND INTERIOR ELEVATIONS

Sheet No:

A2-422



2 Building 2 - Social Service Lobby Interior Elevation - North
SCALE: 3/8" = 1'-0"

DOOR SCHEDULE - BUILDING NO. 1

Table with columns: DOOR NO., ROOM NAME, DOOR DIMENSION (WIDTH, HEIGHT), DOOR TYPE, FRAME MATERIAL, GLAZING, FIRE-RATING, HEAD, JAMB, SADDLE, HARDWARE SET, COMMENTS. Includes various rooms like STAIR 01, LOBBY, STORAGE, CONFERENCE ROOM, etc.

DOOR SCHEDULE - BUILDING NO. 1

Table with columns: DOOR NO., ROOM NAME, DOOR DIMENSION (WIDTH, HEIGHT), DOOR TYPE, FRAME MATERIAL, GLAZING, FIRE-RATING, HEAD, JAMB, SADDLE, HARDWARE SET, COMMENTS. Includes various rooms like STORAGE, CONFERENCE ROOM, FINANCE OPEN OFFICE, etc.

DOOR SCHEDULE COMMENTS:

- 1. PROVIDE ALUMINUM SADDLE TO SUIT OPENING FROM ZERO INTERNATIONAL OR APPROVED EQUAL.
2. PROVIDE MARBLE SADDLE THRESHOLD TO SUIT OPENING.
3. PARTITION ASSEMBLY INCLUDES TILE FINISH ON ONE SIDE. COORDINATE FRAME WIDTH TO ACCOMMODATE THICKNESS OF APPROVED WALL FINISH.
4. FINISH HARDWARE SET INCLUDES ACCESS CONTROL DEVICES. PRIOR TO FABRICATION OF HOLLOW METAL FRAMES, COORDINATE ACCESS CONTROL DEVICE REQUIREMENTS WITH FRAMES DURING THE SUBMITTAL PROCESS.
5. FINISH HARDWARE SET INCLUDES DOOR CONTACT POSITION SWITCHES. PRIOR TO FABRICATION OF HOLLOW METAL FRAMES, COORDINATE DOOR CONTACT SWITCH REQUIREMENTS WITH FRAMES DURING THE SUBMITTAL PROCESS.
6. COORDINATE OPERATION REQUIREMENTS OF ACCESS CONTROL SYSTEM WITH FIRE ALARM ALARM SYSTEM, SPRINKLER SYSTEM AND FROM LOSS OF POWER AT ALL EGRESS DOORS AS REQUIRED.
7. FOR DOOR WIDTHS AND HEIGHT REFERENCE HEAD AND JAMB DETAILS H11/J1 THRU H15/J15 FOR ADDITIONAL INFORMATION.
8. SEE DRAWING A-702 FOR ALL SMOKE CURTAIN DETAILS. ADDITIONALLY REFERENCE SPECIFICATION SECTIONS 083343 FOR ADDITIONAL INFORMATION.
9. SEE DRAWING CS-700 FOR ALL OVERHEAD DOOR DETAILS FROM CORE & SHELL PACKAGE DRAWINGS. ADDITIONALLY REFERENCE SPECIFICATION SECTIONS 083323 FOR ADDITIONAL INFORMATION.
10. DOOR LOCATED AT AN EXTERIOR OPENING. SEE SPECIFICATIONS 081113 FOR STEEL DOORS AND FRAMES.
11. INSIDE ALWAYS FREE IN EGRESS STAIR DURING EMERGENCY FIRE ALARM ACTIVATION.
12. MAIN ENTRY DOORS TO BE OPEN (FREE) DURING NORMAL BUSINESS HOURS.
13. PROVIDE COAT HOOKS FOR ALL PRIVATE TOILETS AND OFFICES.
DOOR SCHEDULE GENERAL NOTES:
A. ALL SHADED DOORS ARE SHOWN FOR REFERENCE TO THE CORE & SHELL PACKAGE DRAWINGS. SEE CS-700 SERIES DRAWINGS FOR ADDITIONAL INFORMATION. OPENINGS WITH EXISTING FRAMES SHALL RECEIVE NEW DOORS WITH ASSOCIATED HARDWARE.
B. REFER TO FLOOR PLANS ON A1-100 AND A2-100 SERIES DRAWINGS FOR DOOR LOCATIONS.
C. "WD" DENOTES "SOLID CORE WOOD DOOR"; SEE SPECIFICATION SECTION 081416 FOR ADDITIONAL INFORMATION.
D. "M" DENOTES "HOLLOW METAL DOOR OR FRAME"; SEE SPECIFICATION SECTION 081113 FOR ADDITIONAL INFORMATION.
E. "ALUM" DENOTES "ALUMINUM DOOR OR FRAME"; SEE SPECIFICATION SECTION 081113 FOR ADDITIONAL INFORMATION.
F. "STL-0H" DENOTES "STEEL OVERHEAD DOOR" (COILING); SEE SPECIFICATIONS SECTION 083323 FOR ADDITIONAL INFORMATION.
G. STAIN AND SEAL ALL SOLID CORE WOOD DOORS (WD).
H. PAINT ALL HOLLOW METAL (HM) DOORS AND FRAMES.
I. PROVIDE A CLEAR ANODIC FINISH ON ALL ALUMINUM (ALUM) DOORS AND FRAMES.
J. PROVIDE TRANSITION STRIPS AS REQUIRED AT ALL FLOORING MATERIAL TRANSITIONS. REFER TO SHEET A-703 FOR TYPICAL SADDLE/TRANSITION FLOOR DETAILS.
K. SEE SPECIFICATION SECTION 08000 FOR GLAZING TYPES AND ADDITIONAL INFORMATION.
L. SEE SPECIFICATION SECTION 087100 FOR FINISH HARDWARE REQUIREMENTS.
M. COORDINATE ALL FINISH HARDWARE WITH ACCESS CONTROL SYSTEM. SEE SPECIFICATION DIVISION 28 AND THE "S" SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
N. UNDERCUT ALL SOLID CORE WOOD DOORS (WD) 1" AS REQUIRED. SEE SPECIFICATION SECTION 081416 FOR ADDITIONAL INFORMATION.
O. COORDINATE OPERATION OF ACCESS CONTROL SYSTEM WITH FIRE COMMAND CENTER.

INTERIOR GLAZING SCHEDULE

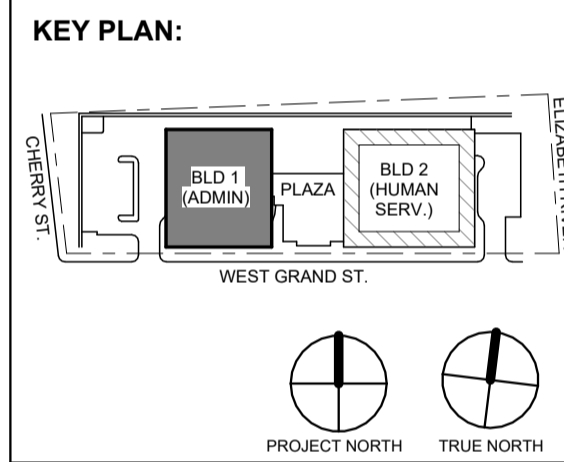
Table with columns: GLAZING TYPE, REQUIREMENTS, LOCATIONS. Includes rows for (I) GL-1, (I) GL-2, (I) GL-3, (I) GL-4 with details on glass thickness and safety requirements.

ADHESIVE FILMS SCHEDULE

Table with columns: FILM TYPE, REQUIREMENTS, LOCATIONS. Includes rows for F-1 and F-2 with details on privacy and security film requirements.

EXTERIOR GLAZING SCHEDULE

Table with columns: GLAZING TYPE, REQUIREMENTS, LOCATIONS. Includes rows for GL-1 through GL-6 with details on exterior glass specifications and coatings.



Revision table with columns: No., Date, Description. Includes entries for 1, 2, 3, 4, 5, 6, 7, 8, 9, 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, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

12.01.2023 Addendum No. 1
11.08.2023 For Public Bid
No. Date Description
Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA #10827100

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn by: JB / AV / PC
Checked by: JM / SH

Sheet Name:
BUILDING NO. 1 - DOOR SCHEDULE AND NOTES

Sheet No:

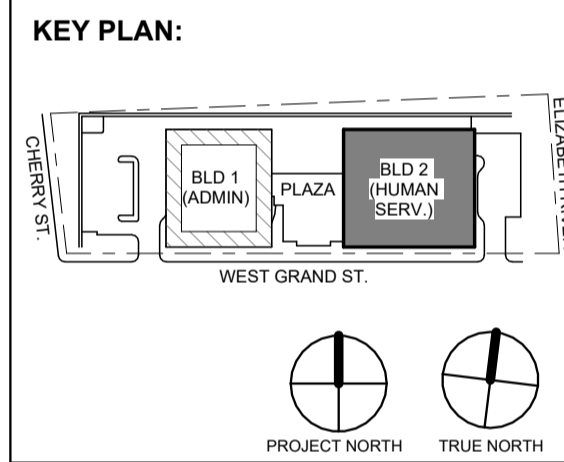
A-700

DOOR SCHEDULE - 2

Table with columns: DOOR NO., ROOM NAME, DIMENSION (WIDTH, HEIGHT), DOOR TYPE, FRAME MATERIAL, GLAZING, FIRE-RATING, HEAD, JAMB, SADDLE, HARDWARE SET, COMMENTS. Lists various rooms like JANITORS CLOSET, MEN'S TOILET, CONFERENCE ROOM, etc.

DOOR SCHEDULE - 2

Table with columns: DOOR NO., ROOM NAME, DIMENSION (WIDTH, HEIGHT), DOOR TYPE, FRAME MATERIAL, GLAZING, FIRE-RATING, HEAD, JAMB, SADDLE, HARDWARE SET, COMMENTS. Lists various rooms like JANITORS CLOSET, MEN'S TOILET, CONFERENCE ROOM, etc.



Revision table with columns: No., Date, Description. Shows revision 1 dated 12/01/2023 for 'Addendum No. 1'.

DiGroupArchitecture ARCHITECTURE FOR CHANGE. 150 Huntington Street • New Brunswick, NJ 08901 • T. 732.249.6242

Jeffrey D. Venezia, AIA NJ RA #A10827100

Client: UNION COUNTY IMPROVEMENT AUTHORITY

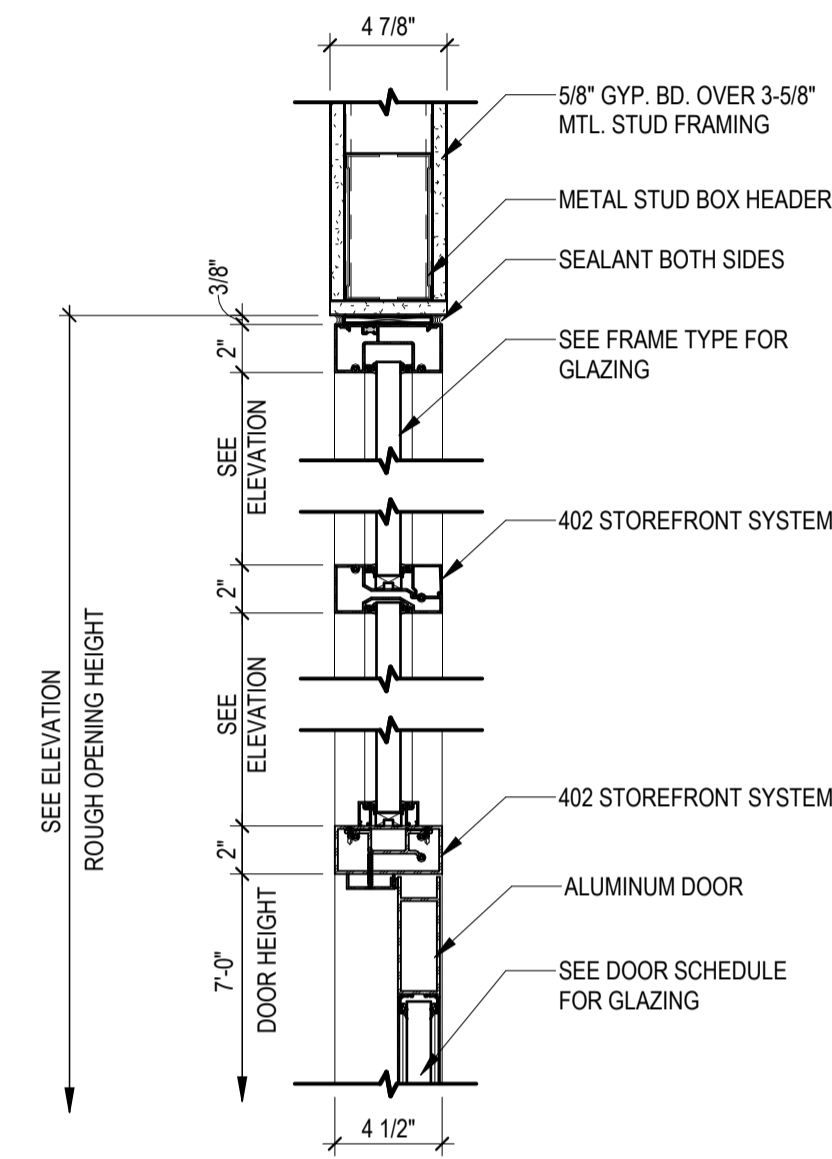
Project: UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2 81 & 93 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY 07202

Drawing Information: Project No: 20.072 Date: 11/08/2023 Drawn By: JB / AV / PC Checked By: JM / SH

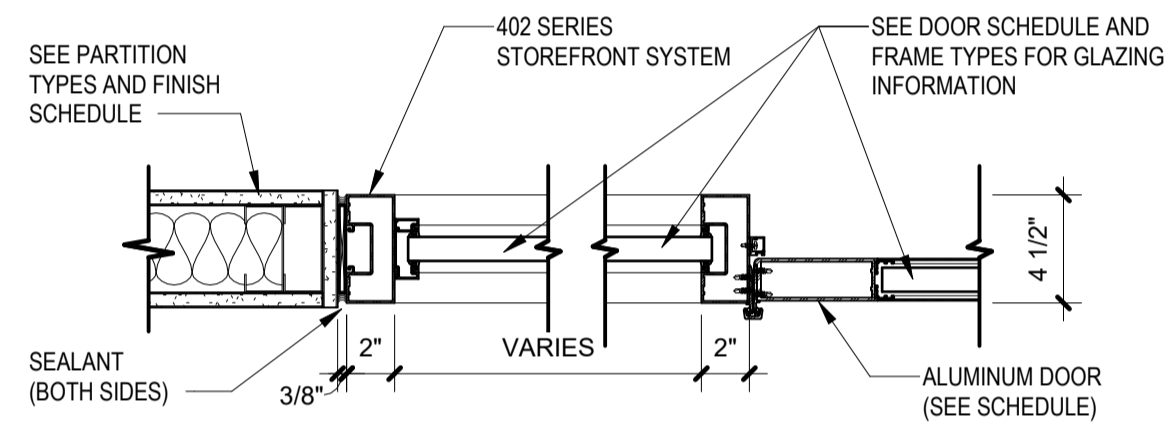
Sheet Name: BUILDING NO. 2 - DOOR SCHEDULE AND NOTES

Sheet No: A-701

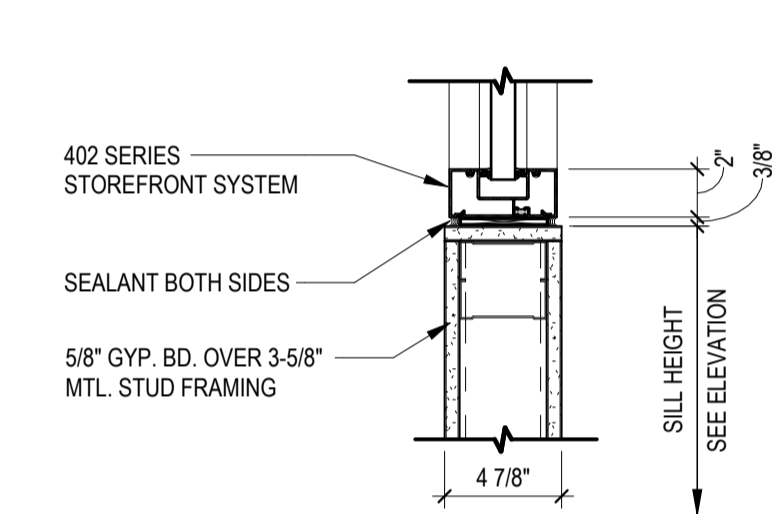
- WINDOW TYPE NOTES:**
- A. OVERALL DIMENSIONS LISTED AS M.O. ARE THE MASONRY AND/OR ROUGH OPENING DIMENSIONS. ALL DIMENSIONS TO BE VERIFIED IN FIELD BY THE CONTRACTOR PRIOR TO WINDOW FABRICATION. PROVIDE NECESSARY SILL / JAMB EXTENSIONS TO SUIT ACTUAL WALL DEPTH.
 - B. SEE GLAZING SCHEDULE ON DRAWING A-702 FOR GLASS TYPES.
 - C. SEE FLOOR PLANS ON A1-100 AND A2-110 SERIES DRAWINGS FOR LOCATIONS.
 - D. SEE SPECIFICATIONS SECTION 084113 FOR ALUMINUM ENTRANCES AND STOREFRONT REQUIREMENTS.
 - E. SEE SPECIFICATIONS SECTION 084413 FOR GLAZED ALUMINUM CURTAIN WALL REQUIREMENTS.
 - F. SEE SPECIFICATIONS SECTION 085113 FOR ALUMINUM WINDOW REQUIREMENTS.
 - G. SEE SPECIFICATIONS SECTION 088000 FOR ADDITIONAL GLASS AND GLAZING REQUIREMENTS.
 - H. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING. SEE SPECIFICATIONS SECTION 084113.
 - I. PROVIDE SOLAR & BLACKOUT MANUAL SHADE SYSTEM AT WINDOWS AT OFFICES THROUGHOUT. SEE SPECIFICATIONS SECTION 122413 FOR ADDITIONAL INFORMATION REGARDING WINDOW SHADES.



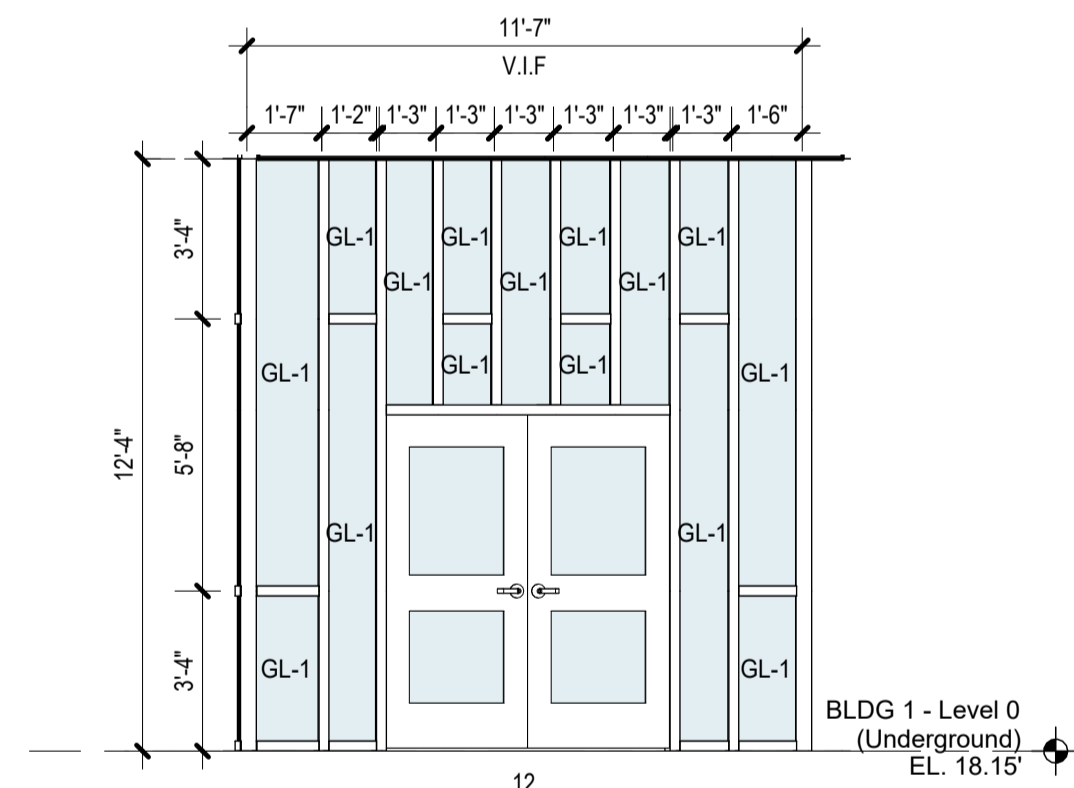
H-16 - INTERIOR HEAD DETAIL @ 4 1/2" STOREFRONT
SCALE: 1 1/2" = 1'-0"



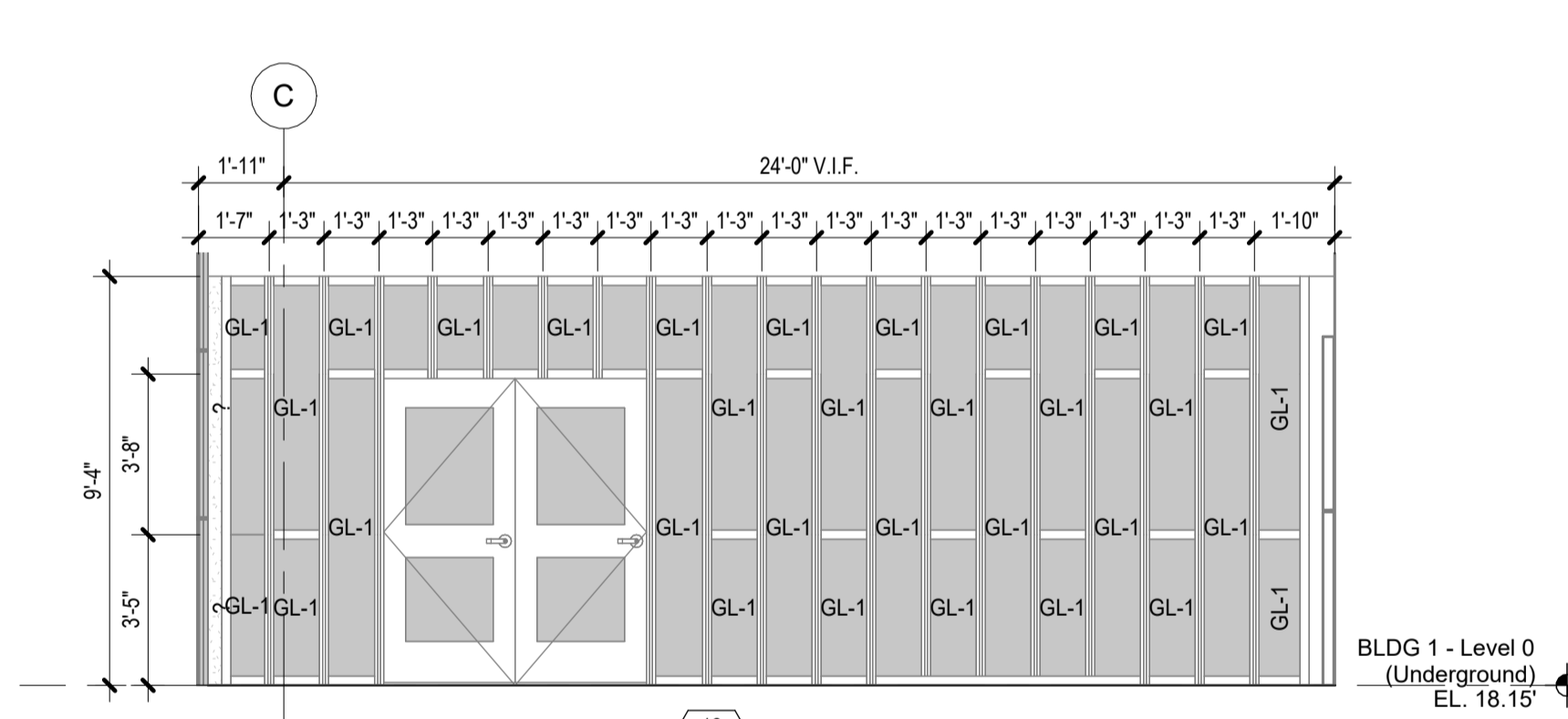
J-16 - INTERIOR JAMB DETAIL @ 4 1/2" STOREFRONT
SCALE: 1 1/2" = 1'-0"



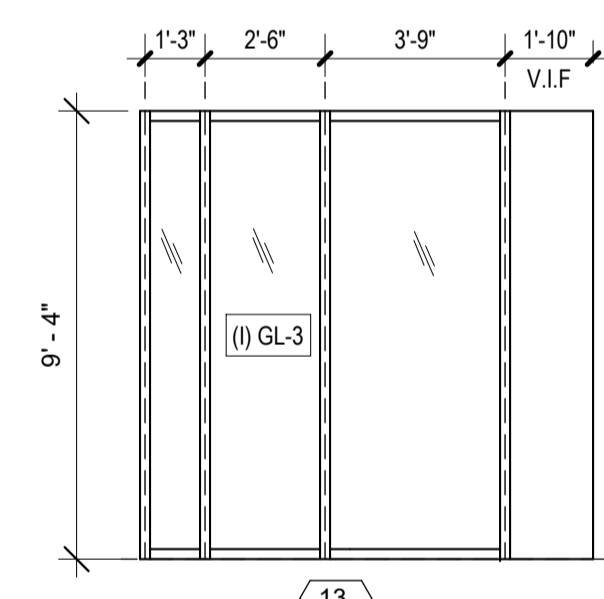
S-16 - INTERIOR WINDOW SILL DETAIL
SCALE: 1 1/2" = 1'-0"



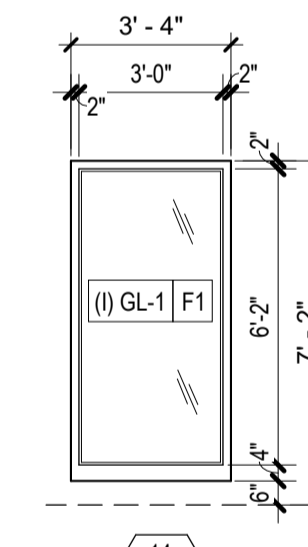
5 BUILDING NO. 2 - STOREFRONT ELEVATION AT VESTIBULE
SCALE: 1/4" = 1'-0"



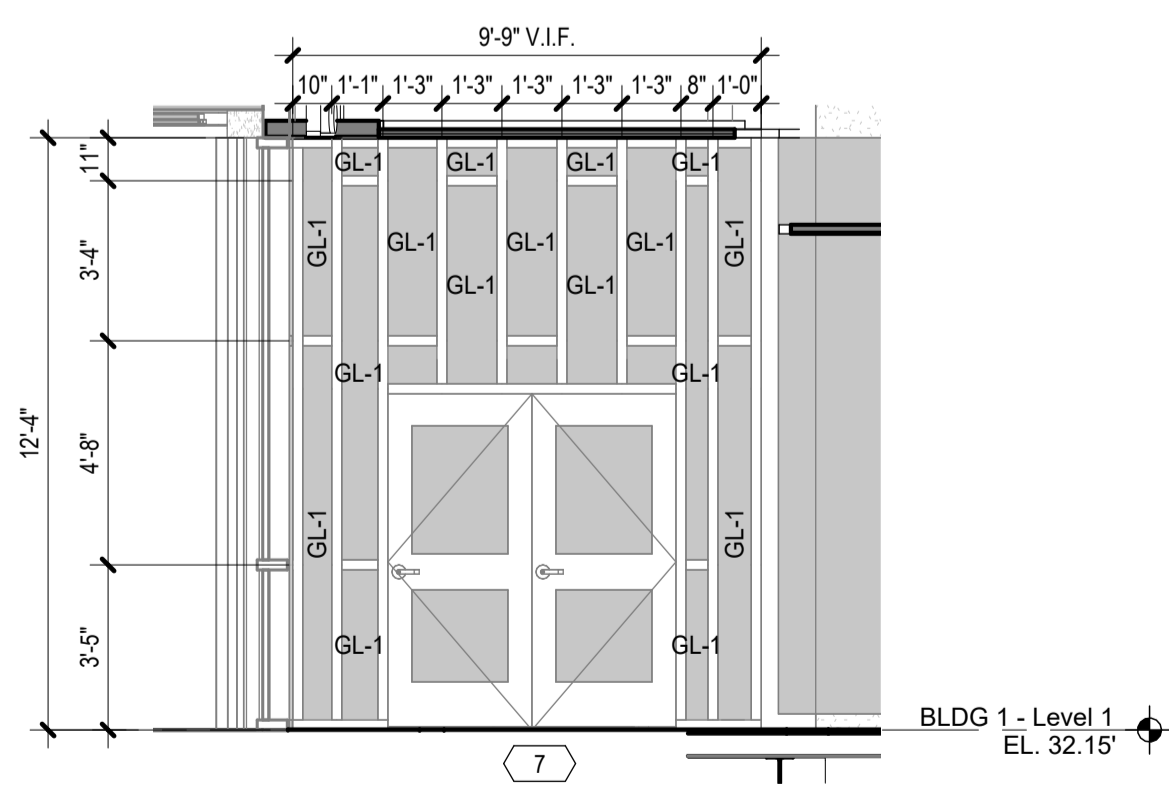
6 BUILDING NO. 2 - STOREFRONT ELEVATION AT VESTIBULE
SCALE: 1/4" = 1'-0"



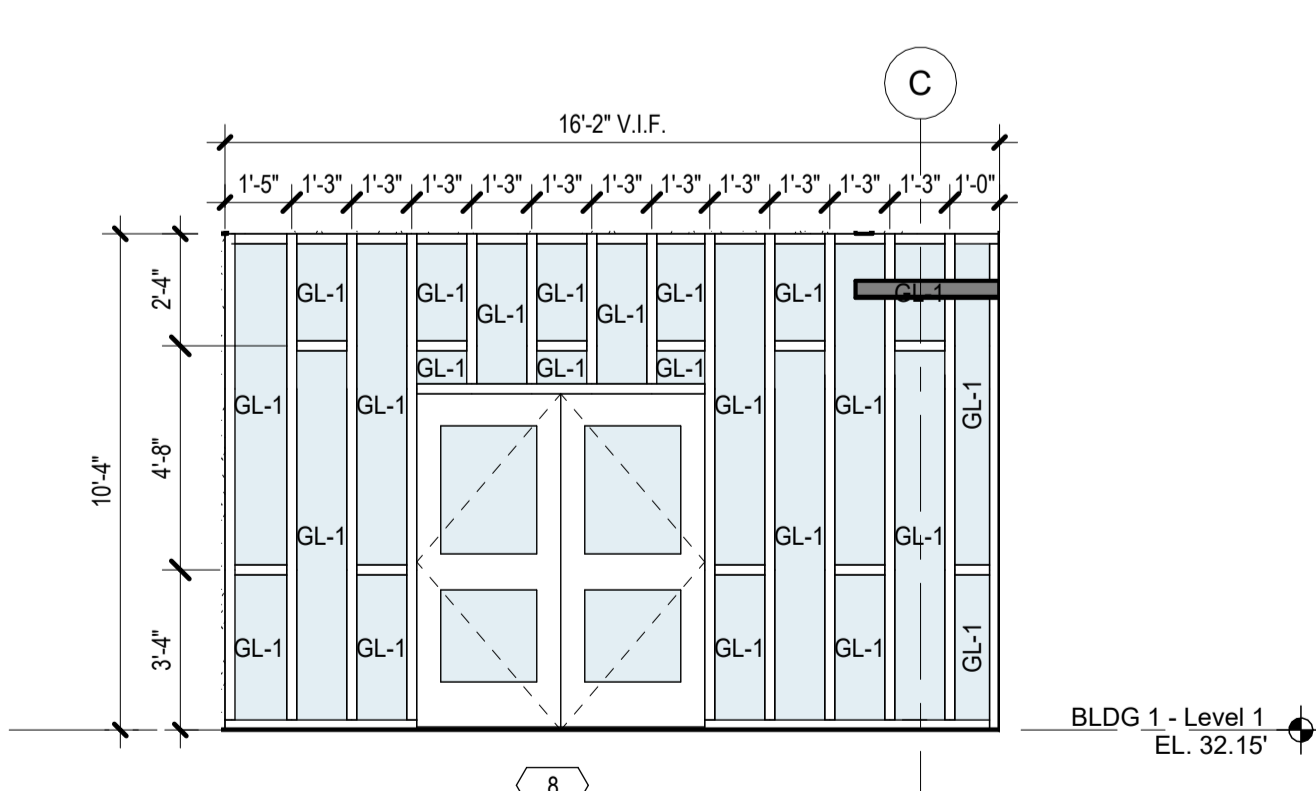
7 BUILDING NO. 2 - STOREFRONT AT LEVEL 3 BREAK ROOM
SCALE: 1/4" = 1'-0"



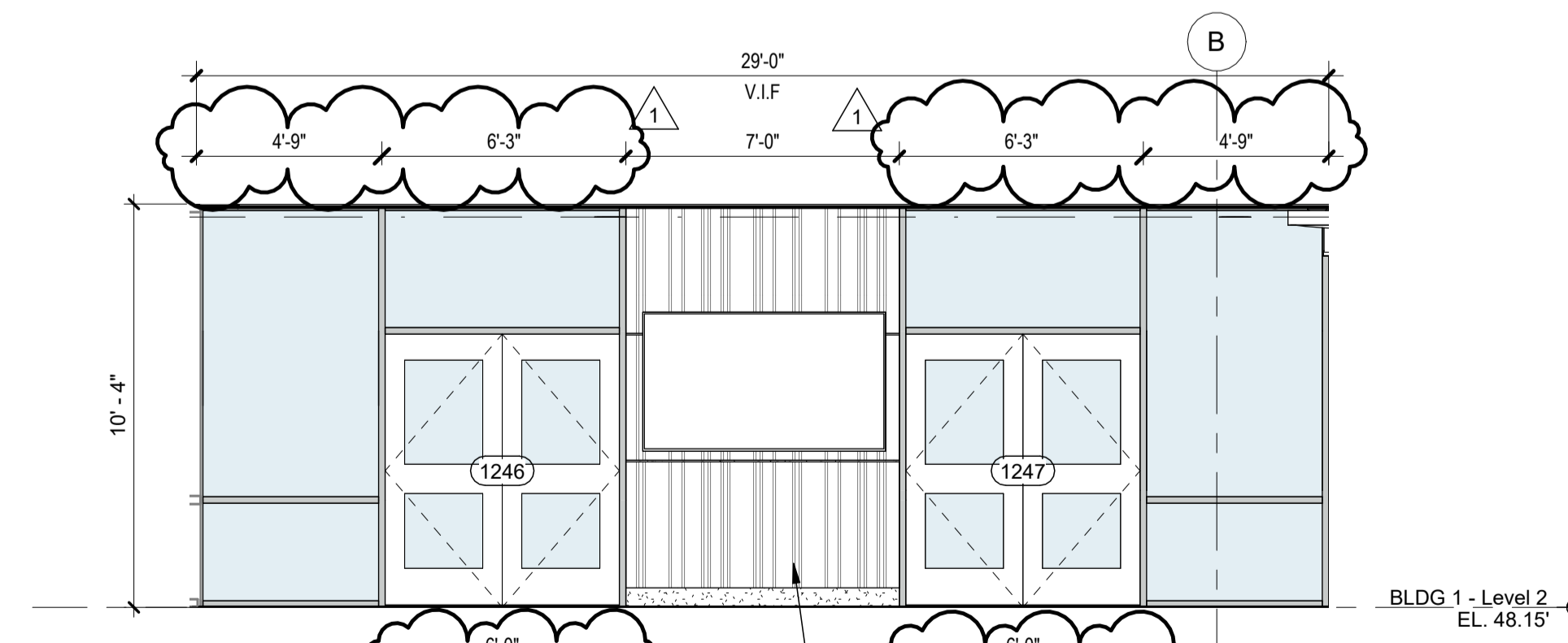
8 BUILDING NO. 2 - INTERIOR WINDOW ELEVATION
SCALE: 1/4" = 1'-0"



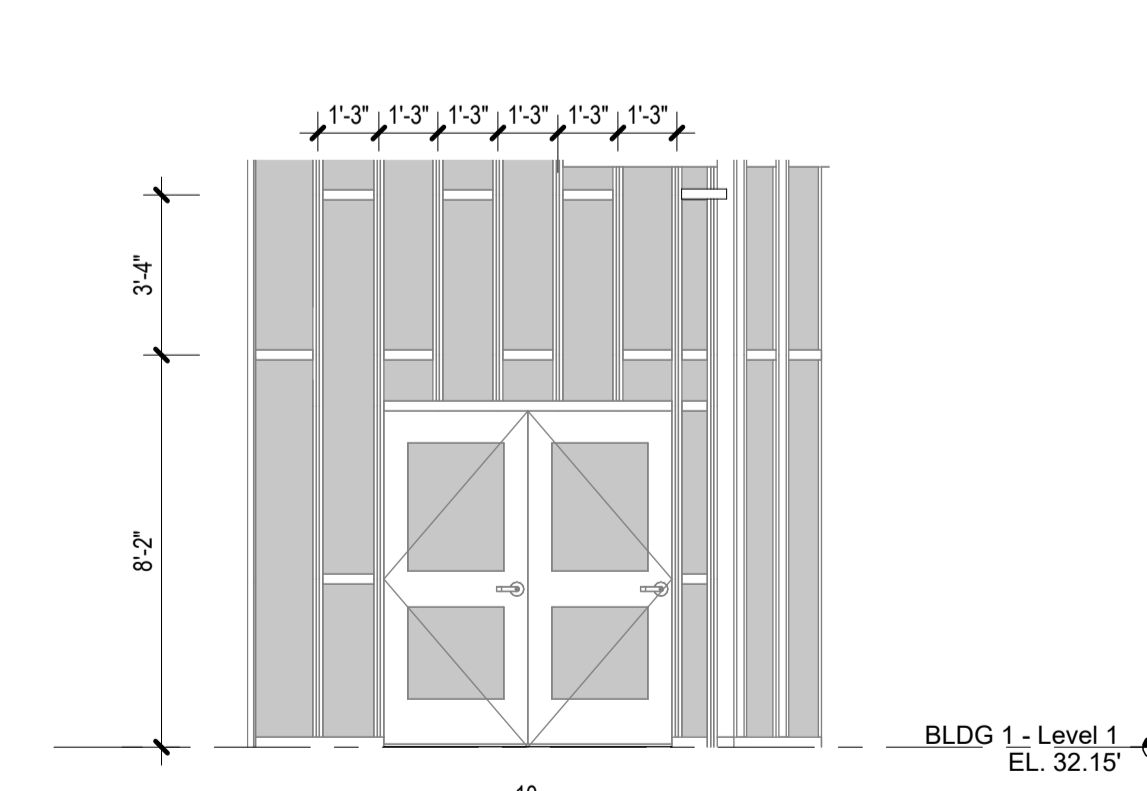
1 BUILDING NO. 1 - STOREFRONT ELEVATION AT VESTIBULE
SCALE: 1/4" = 1'-0"



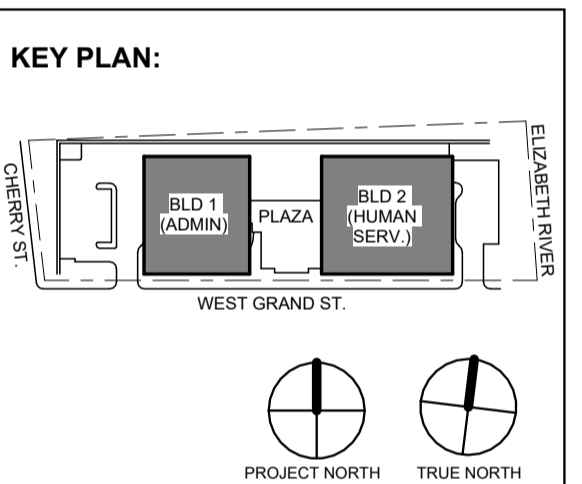
2 BUILDING NO. 1 - STOREFRONT ELEVATION AT CAFE
SCALE: 1/4" = 1'-0"



3 BUILDING 1 - COMMISSIONER MEETING ROOM
SCALE: 1/4" = 1'-0"



4 Elevation 4 - a
SCALE: 1/4" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

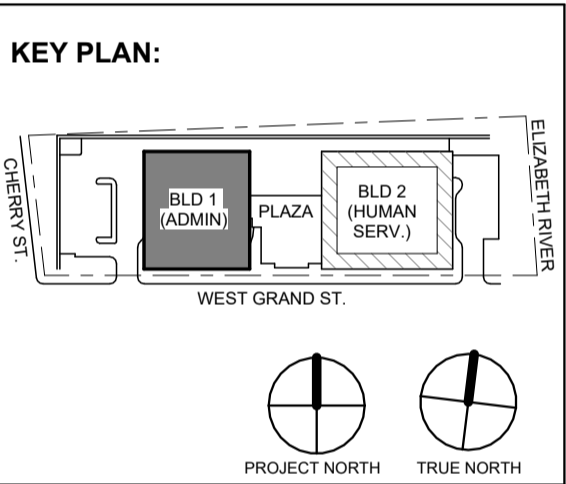
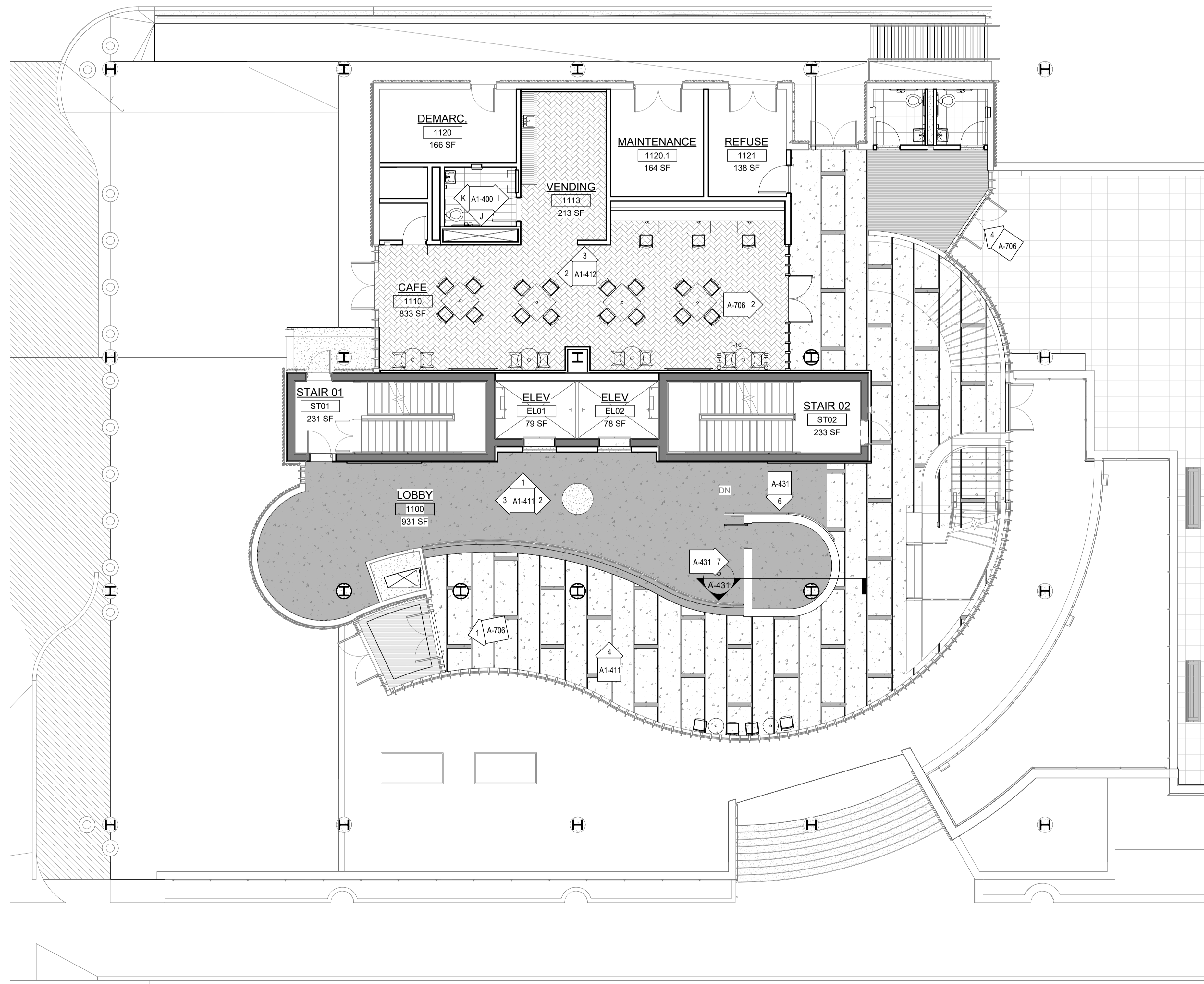
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:

INTERIOR WINDOW TYPES, STOREFRONT TYPES, BORROWED LITE WINDOW, DETAILS AND NOTES

A-706



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400
 Jeffrey D. Venezia, AIA
 NJ RA AI 09827100

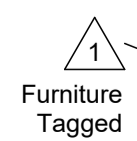
DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.
 Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

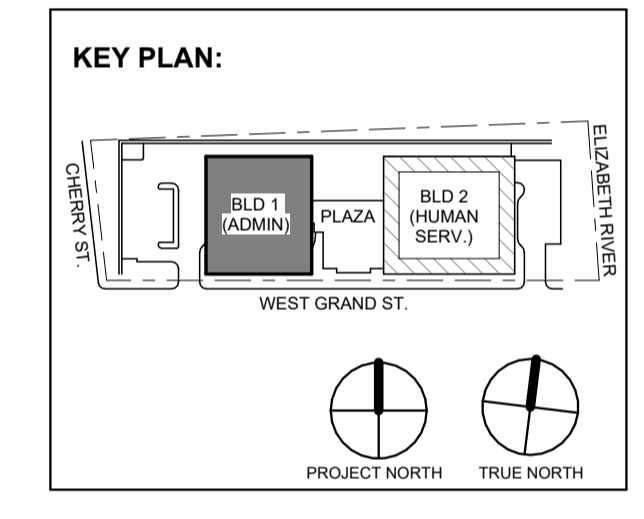
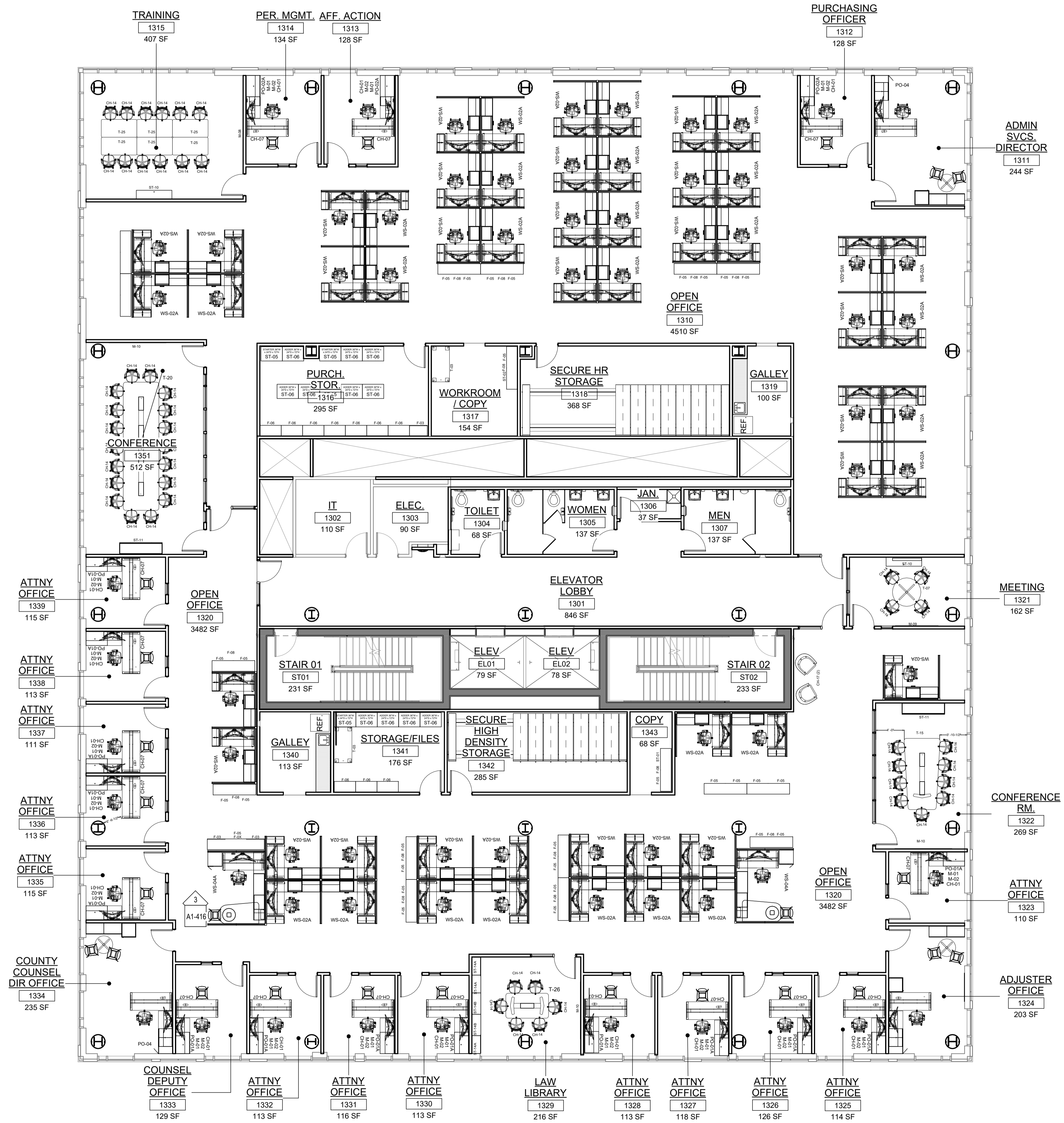
Drawing Information:
 Project No: 20.072
 Date: 11.08.2023
 Drawn By: JB / AV / PC
 Checked By: JM / SH

Sheet Name:
BLDG 1 - LEVEL 1 FURNITURE AND EQUIPMENT PLAN

Sheet No:
A1-901



1 BLDG 1 - LEVEL 1 - FURNITURE PLAN
 SCALE: 1/8" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

Revisions / Issues

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

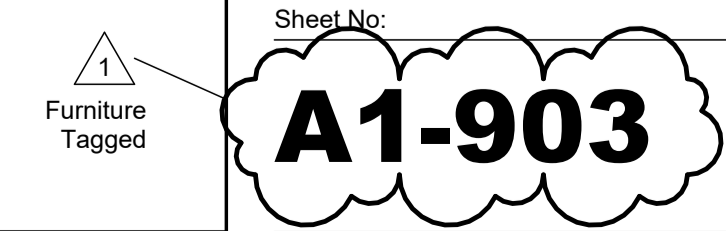
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

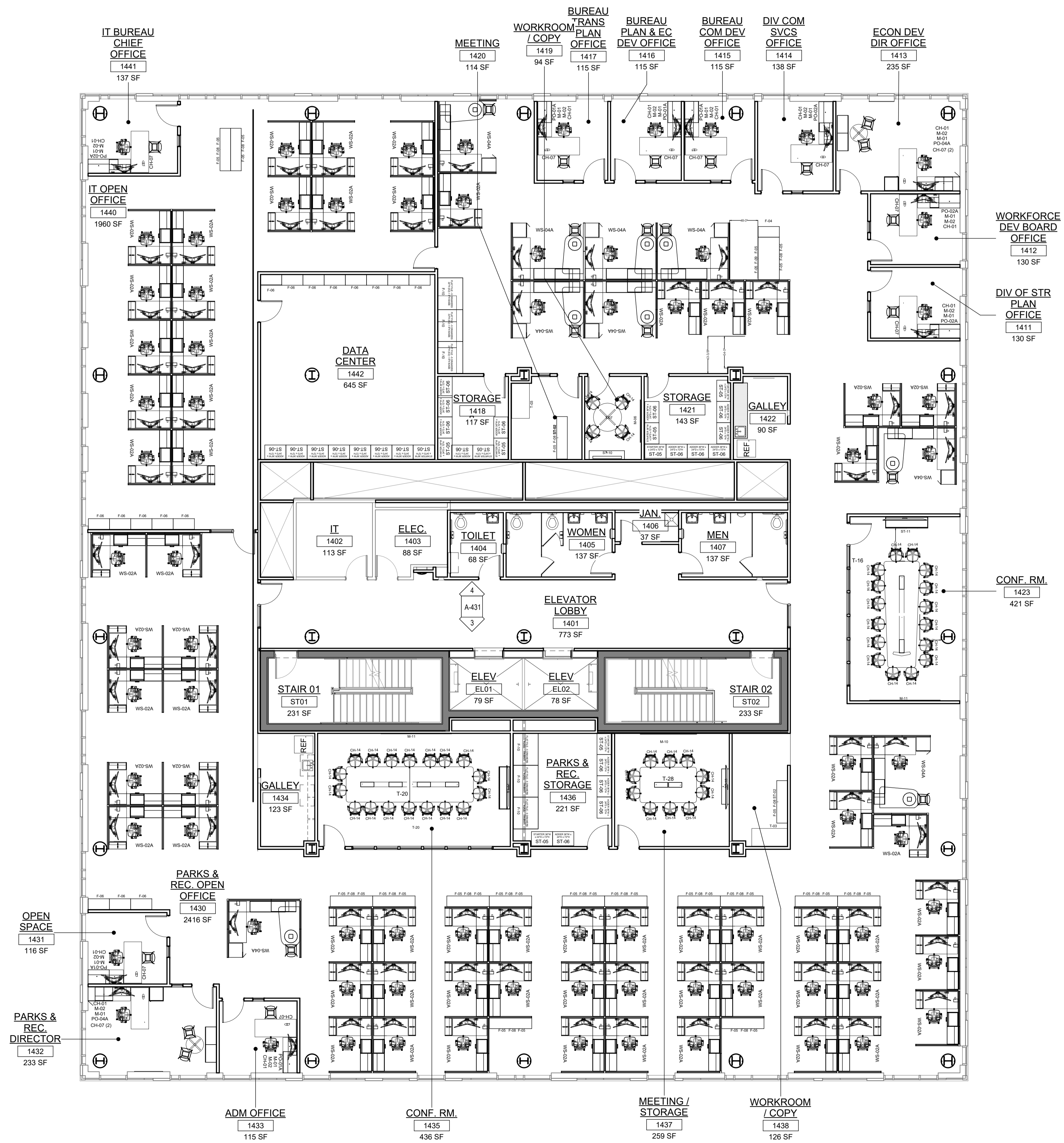
Project Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BLDG 1 - LEVEL 3 FURNITURE AND EQUIPMENT PLAN

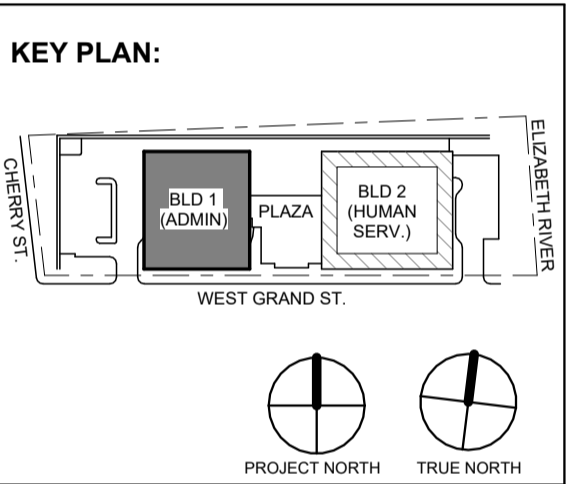
Scale: 1/8" = 1'-0"

Sheet No:
A1-903





1 BLDG 1 - LEVEL 4 - FURNITURE PLAN
SCALE: 1/8" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

Revisions / Issues

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Project Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BLDG 1 - LEVEL 4 FURNITURE AND EQUIPMENT PLAN

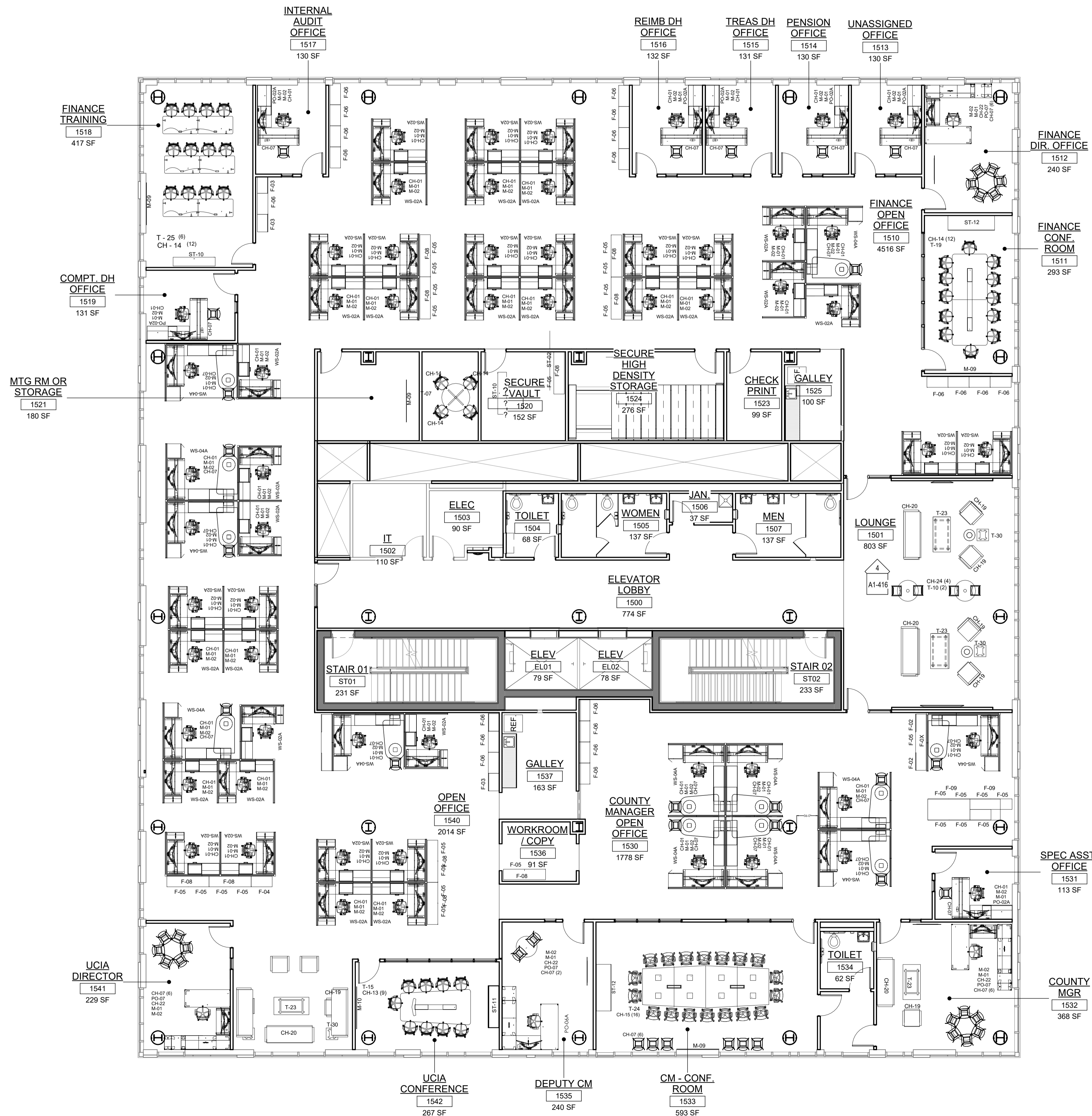
Sheet No:
A1-904

Scale:
SCALE: CONSULT WITH ARCHITECT FOR DIMENSIONS.

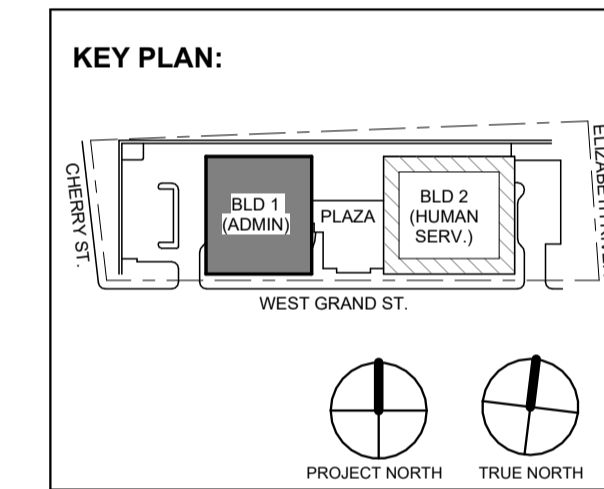
Notes:
DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Legend:
Furniture Tagged

Confidential and Proprietary / © DIGroupArchitecture 2021. Unauthorized reproduction or other use of these drawings or ideas is prohibited.



1 BLDG 1 - LEVEL 5 - FURNITURE PLAN
SCALE: 1/8" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

Revisions / Issues

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Project Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BLDG 1 - LEVEL 5 FURNITURE AND EQUIPMENT PLAN

Sheet No:
A1-905

Scale:
SCALE: CONSULT WITH ARCHITECT FOR DIMENSIONS.

Notes:
DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

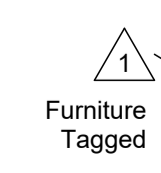
Project Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JB / AV / PC
Checked By: JM / SH

Sheet Name:
BLDG 1 - LEVEL 5 FURNITURE AND EQUIPMENT PLAN

Sheet No:
A1-905

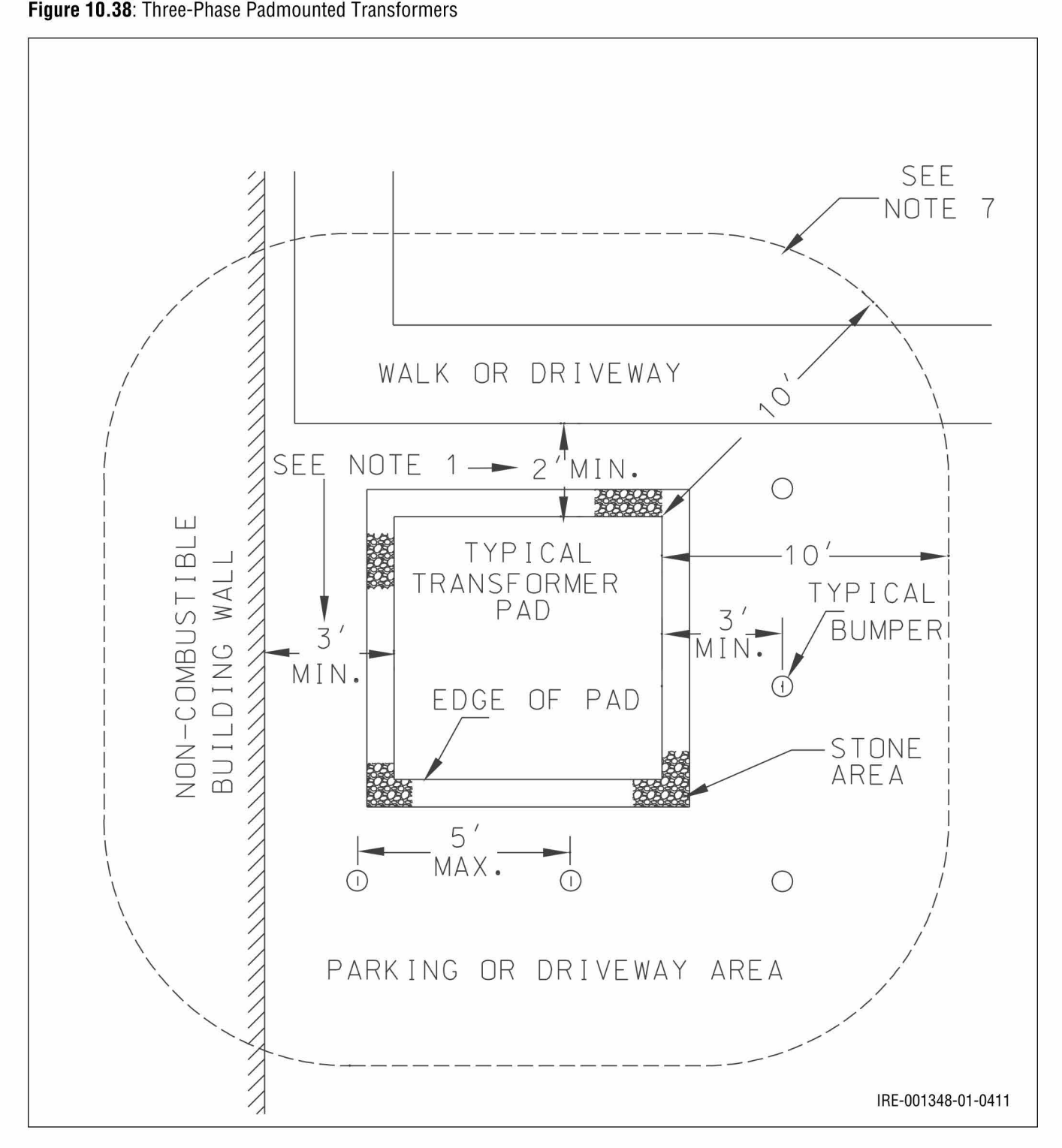
Scale:
SCALE: CONSULT WITH ARCHITECT FOR DIMENSIONS.

Notes:
DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.



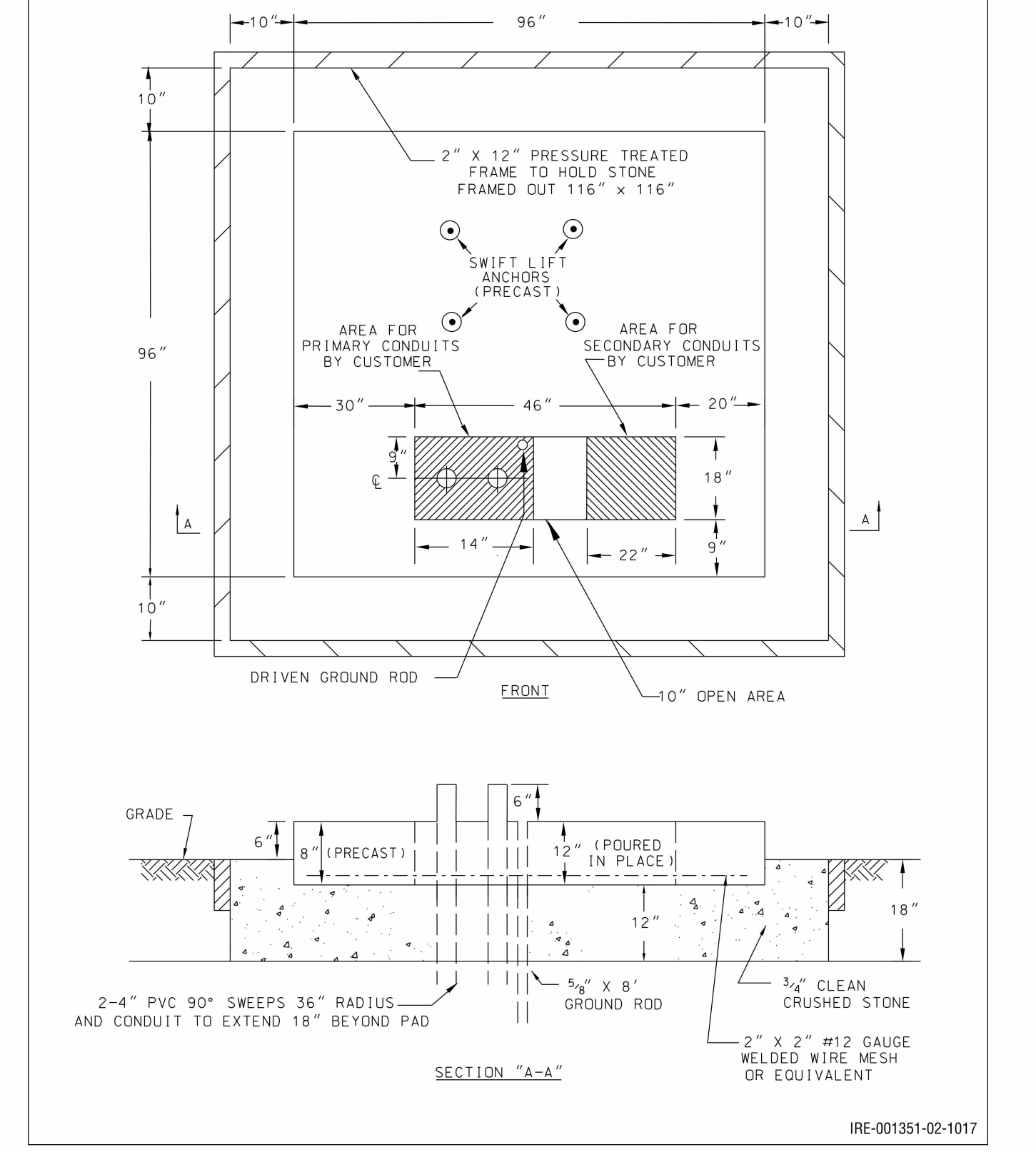
A1-905

26 Three-Phase Padmounted Transformers

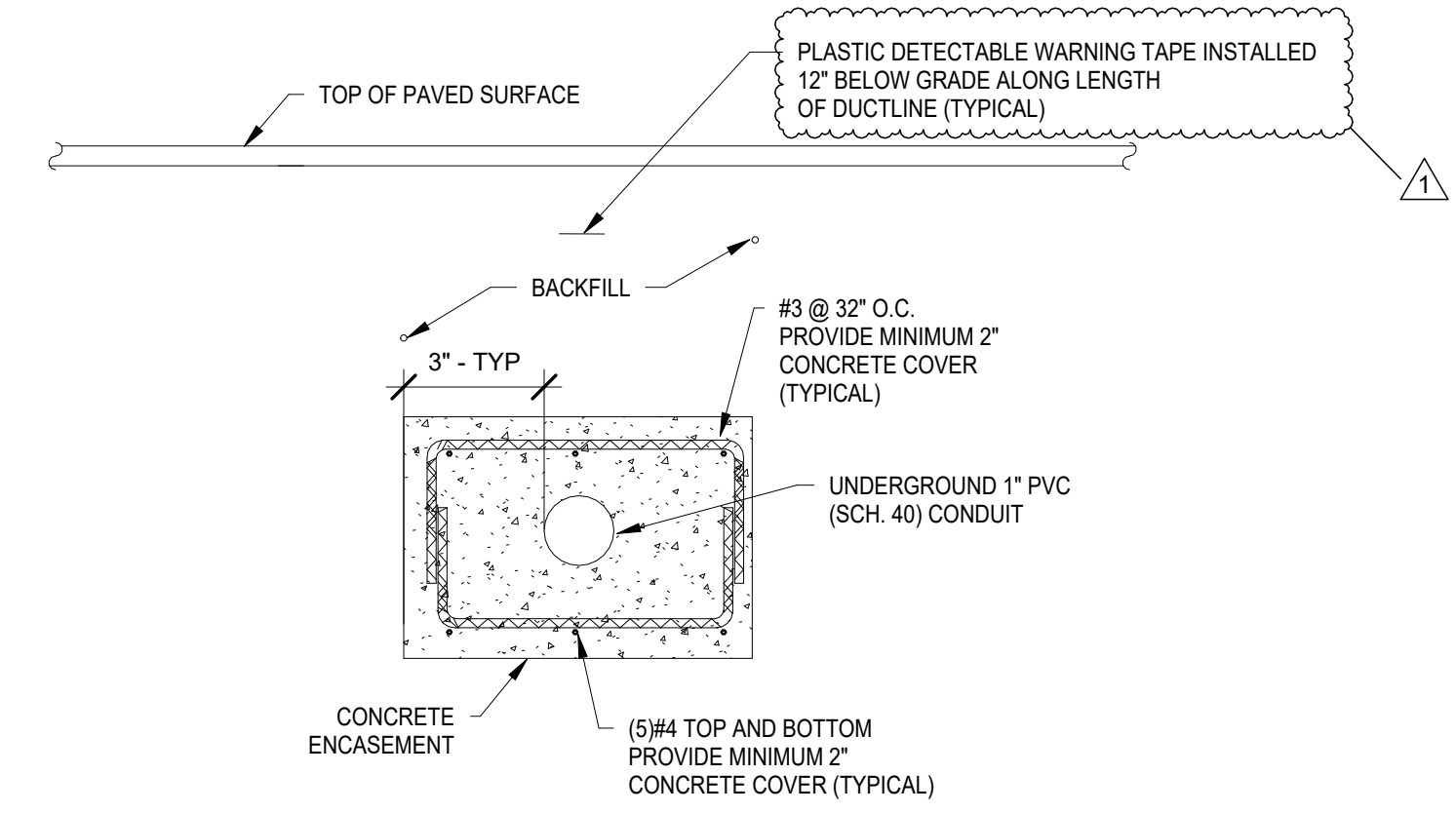


Go to Chapter TOC - Go to TOC Chapter 10 - Additional Information and Illustrations Information and Requirements for Electric Service 10-57

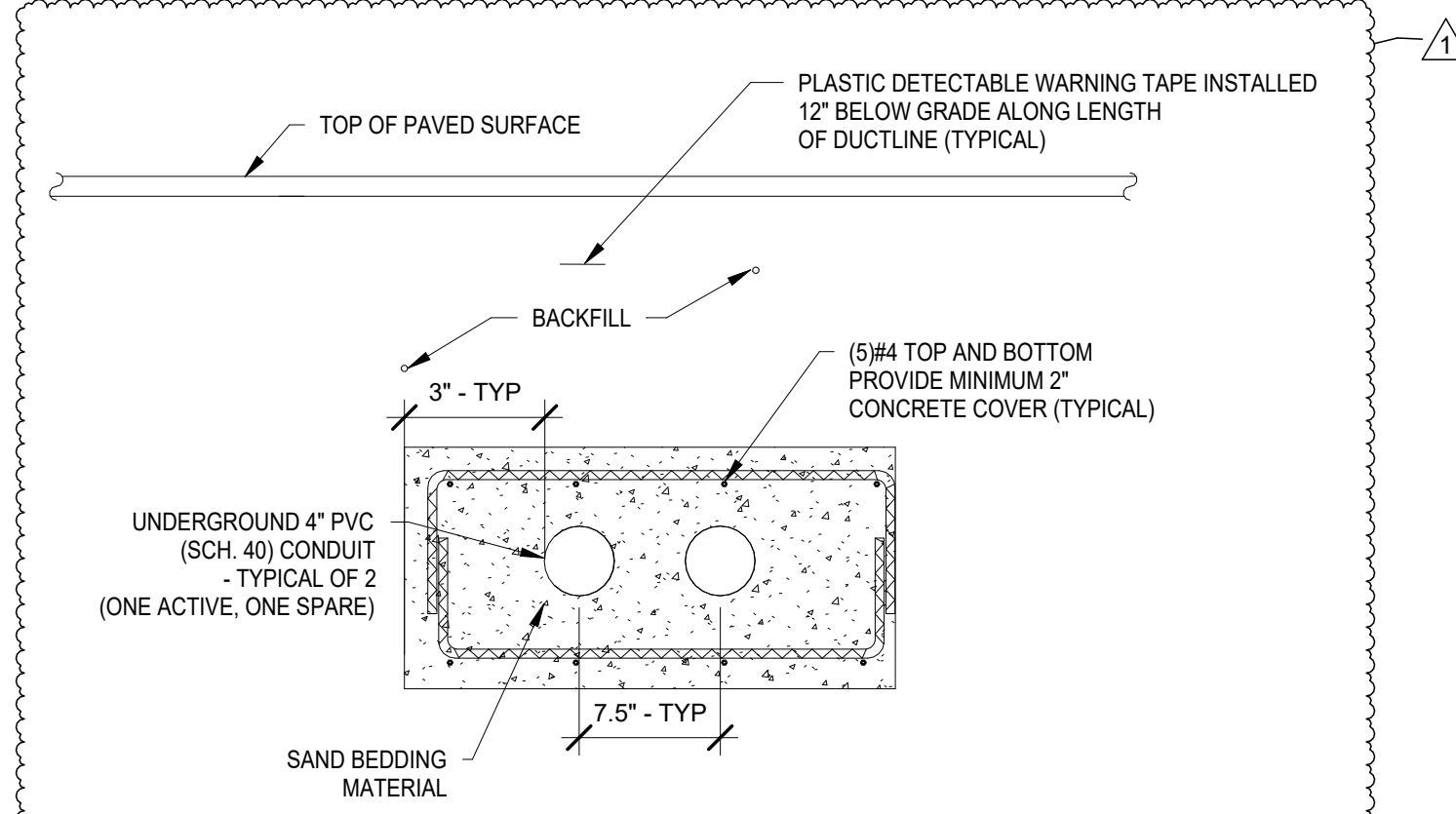
Figure 10.42: Three-Phase Padmounted Transformer - Type III-A (Concrete)



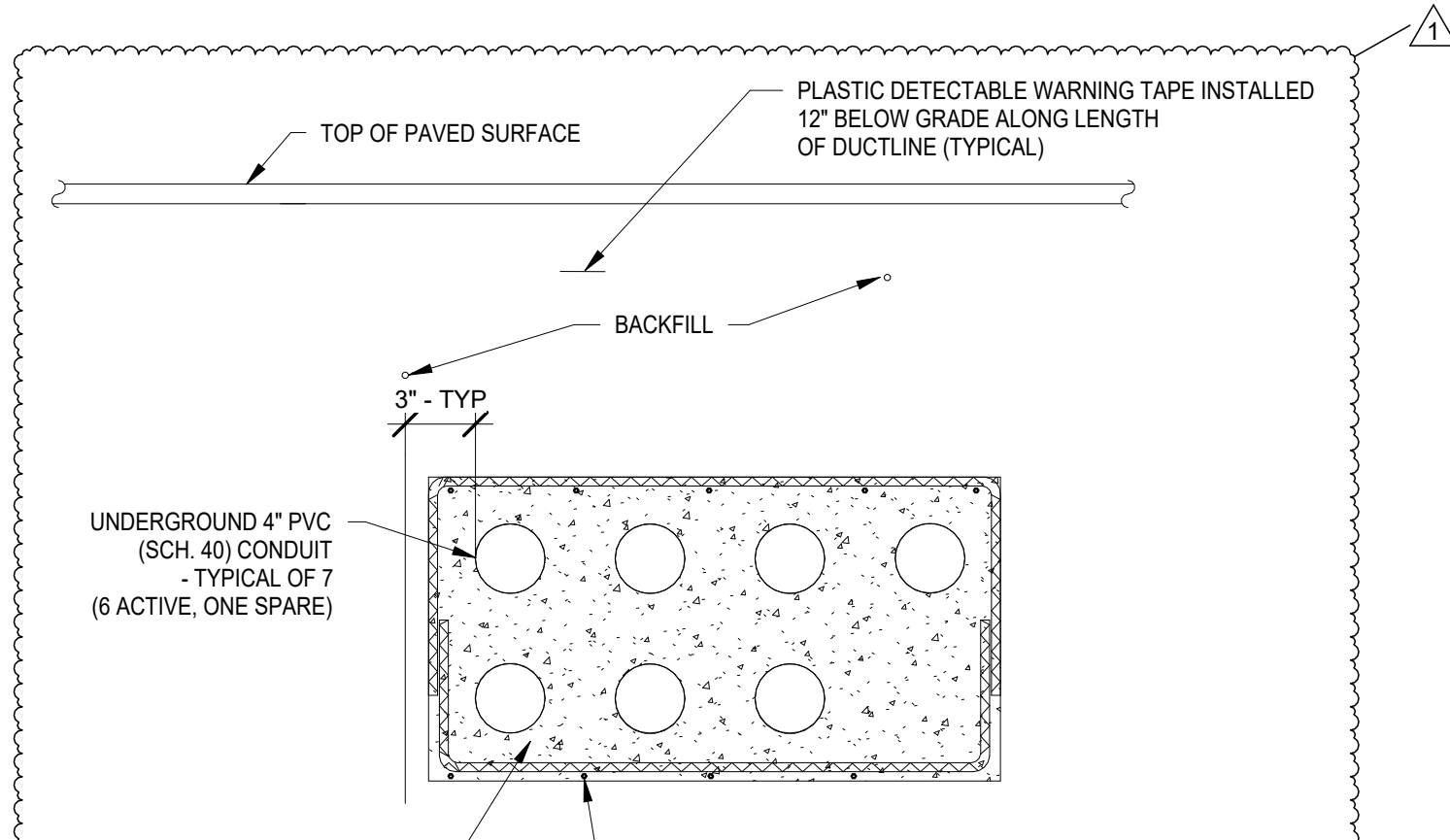
Go to Chapter TOC - Go to TOC Chapter 10 - Additional Information and Illustrations Information and Requirements for Electric Service 10-65



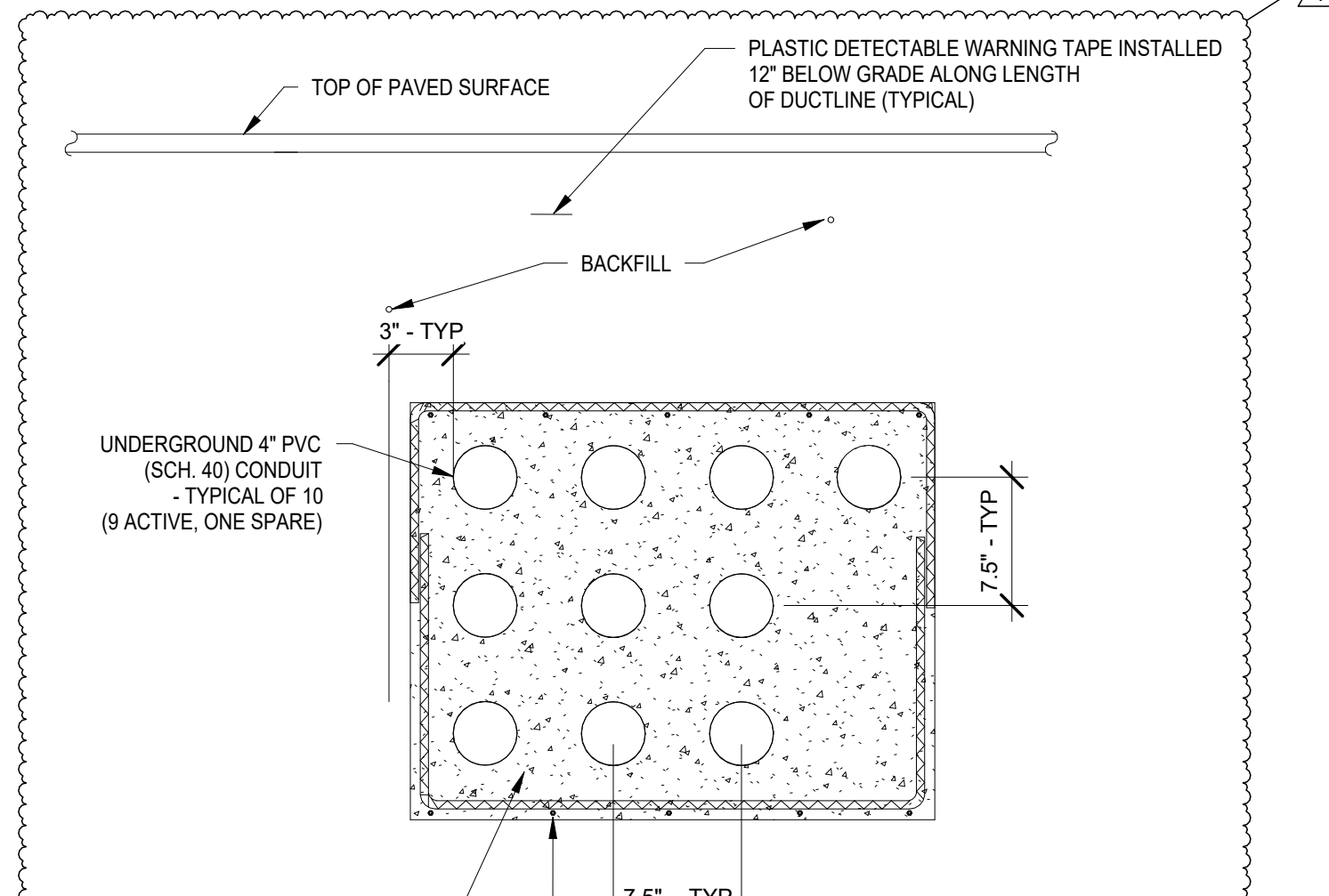
10 DUCT BANK - FIRE PUMP - TYPICAL FOR BLDG 1 & BLDG 2 E-002 SCALE: NOT TO SCALE



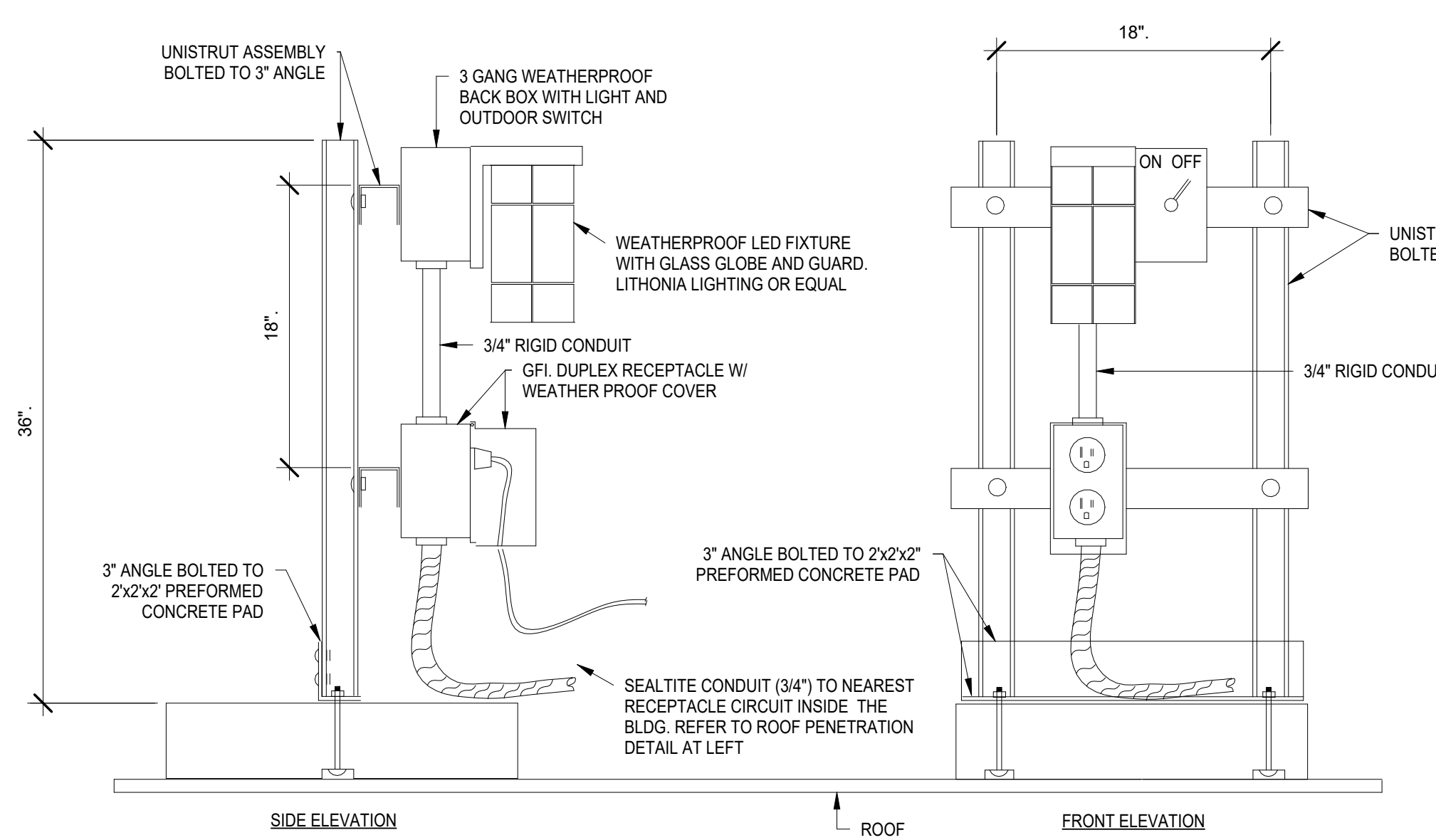
11 DUCT BANK - PRIMARY SERVICE - TYPICAL FOR BLDG 1 & BLDG 2 E-002 SCALE: NOT TO SCALE



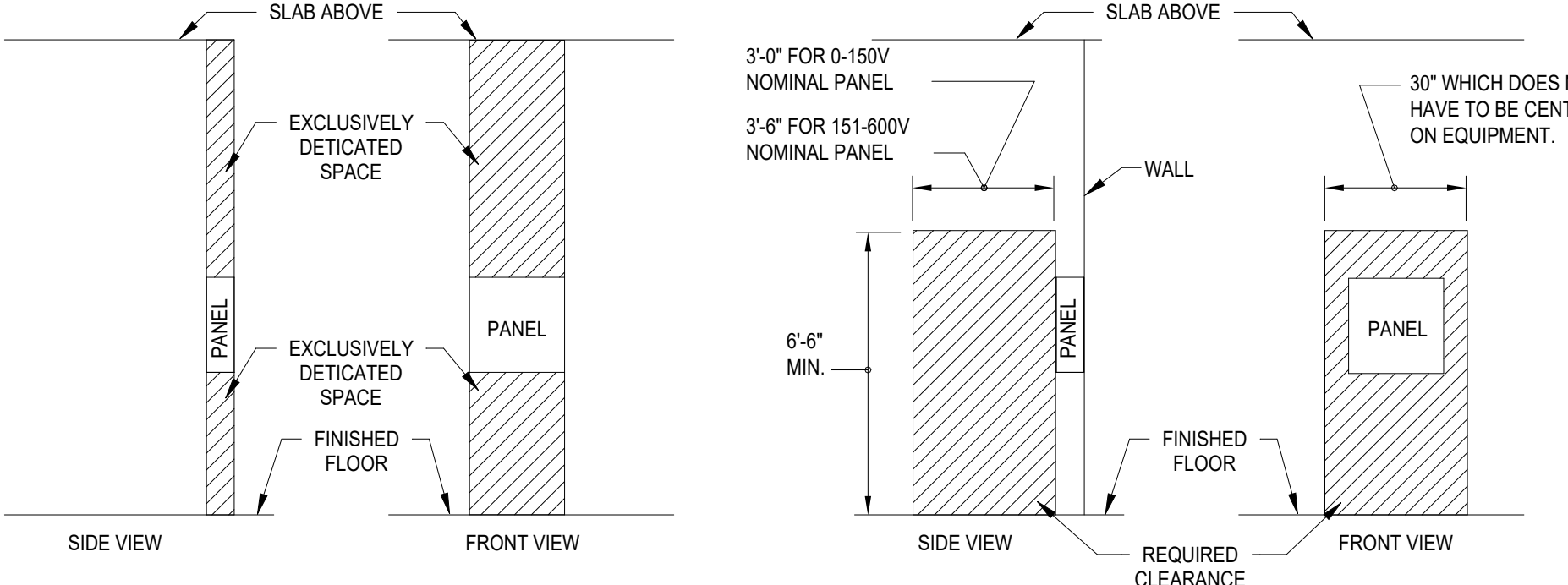
8 DUCT BANK SERVICE ENTRANCE - BLDG 1 E-002 SCALE: NOT TO SCALE



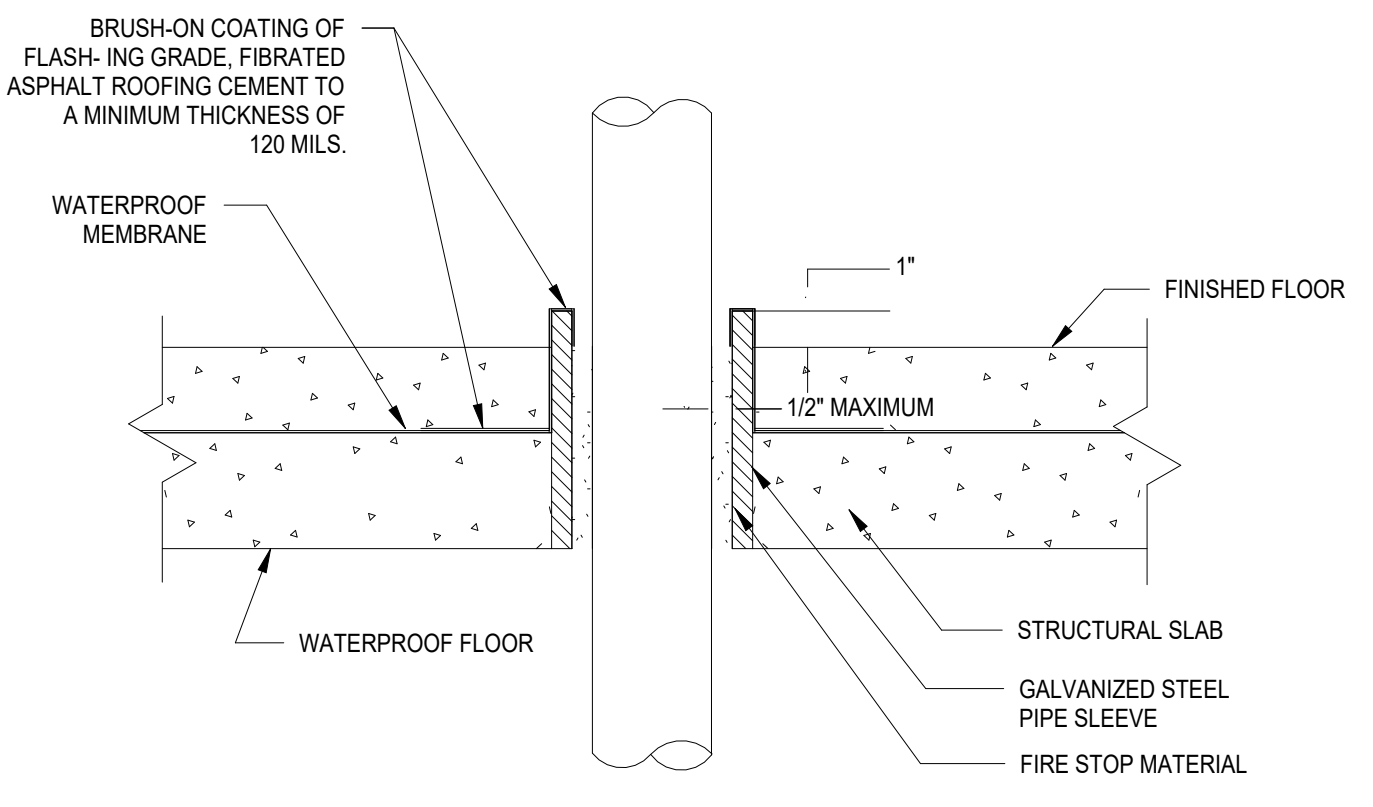
9 DUCT BANK SERVICE ENTRANCE - BLDG 2 E-002 SCALE: NOT TO SCALE



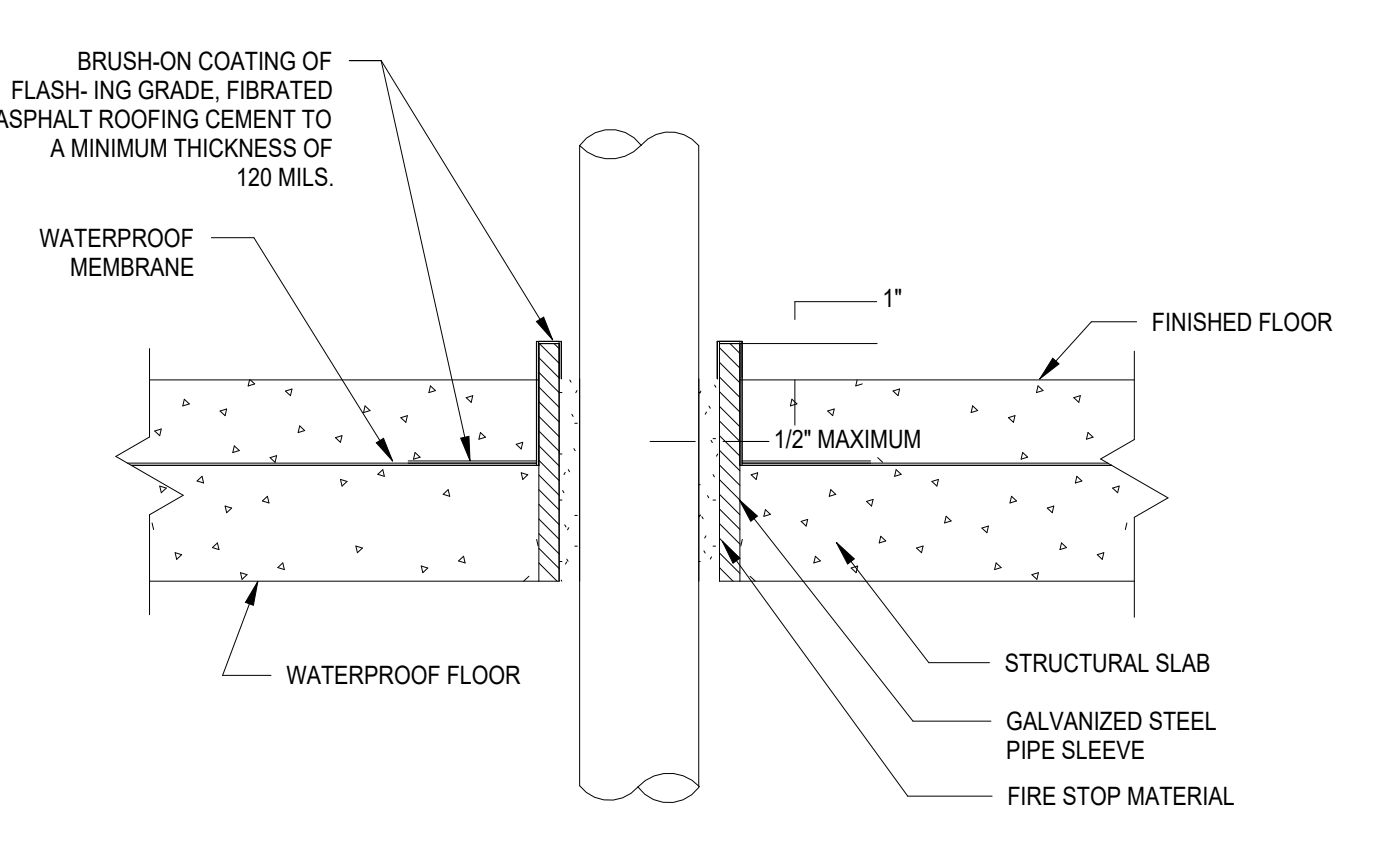
7 TYPICAL ROOF EQUIPMENT MOUNTED RECEPTACLE & LIGHT E-002 SCALE: NOT TO SCALE



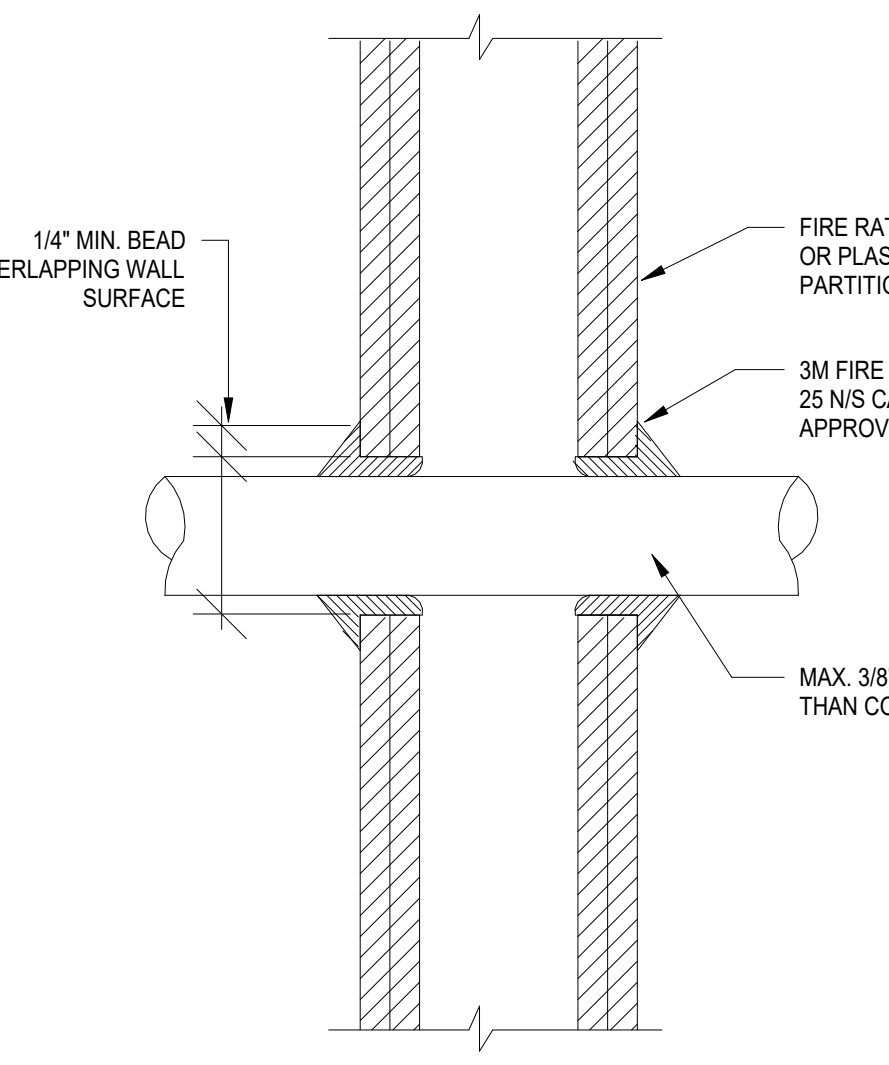
6 TYPICAL PANELBOARD CLEARANCES E-002 SCALE: NOT TO SCALE



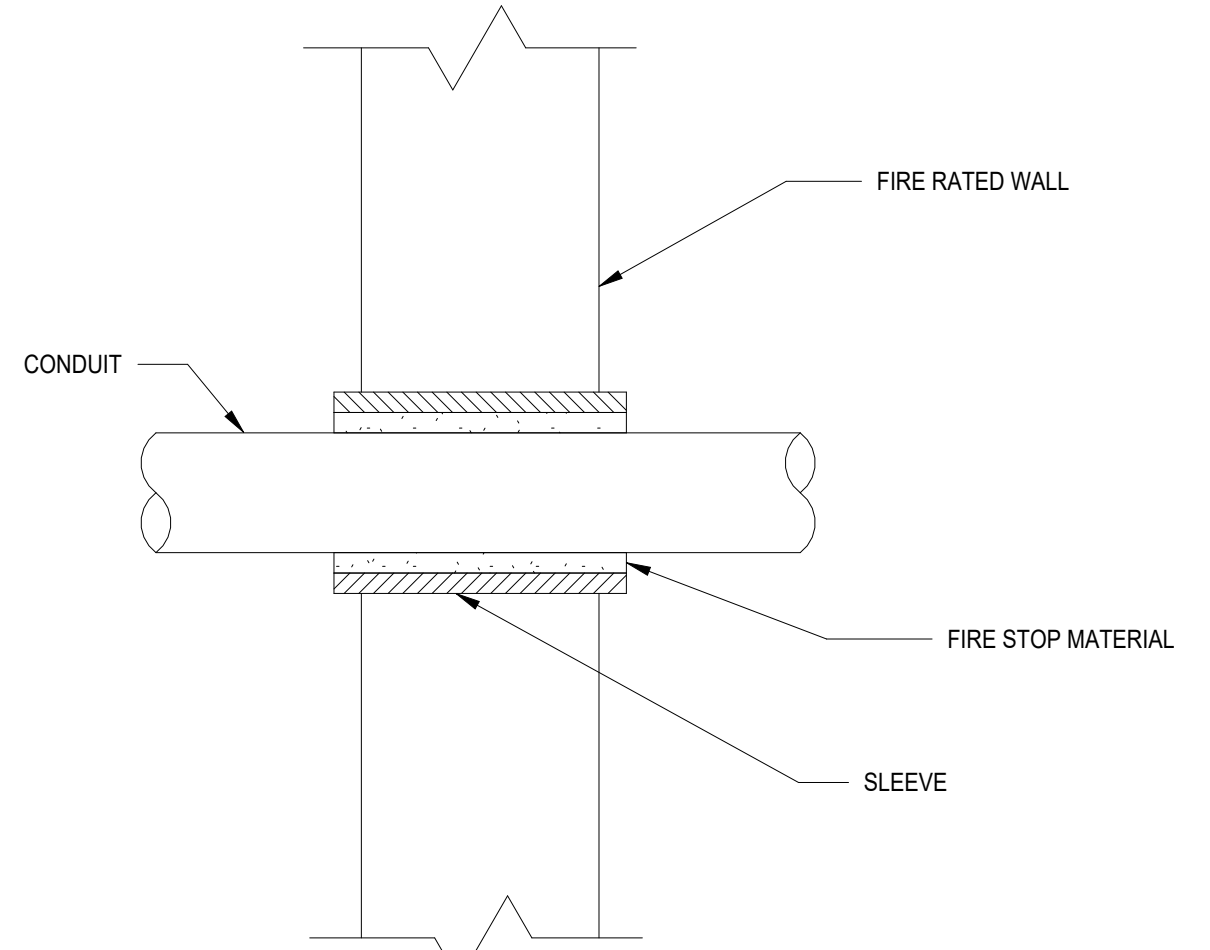
5 TYPICAL CONDUIT PENETRATION DETAIL #4 E-002 SCALE: NOT TO SCALE



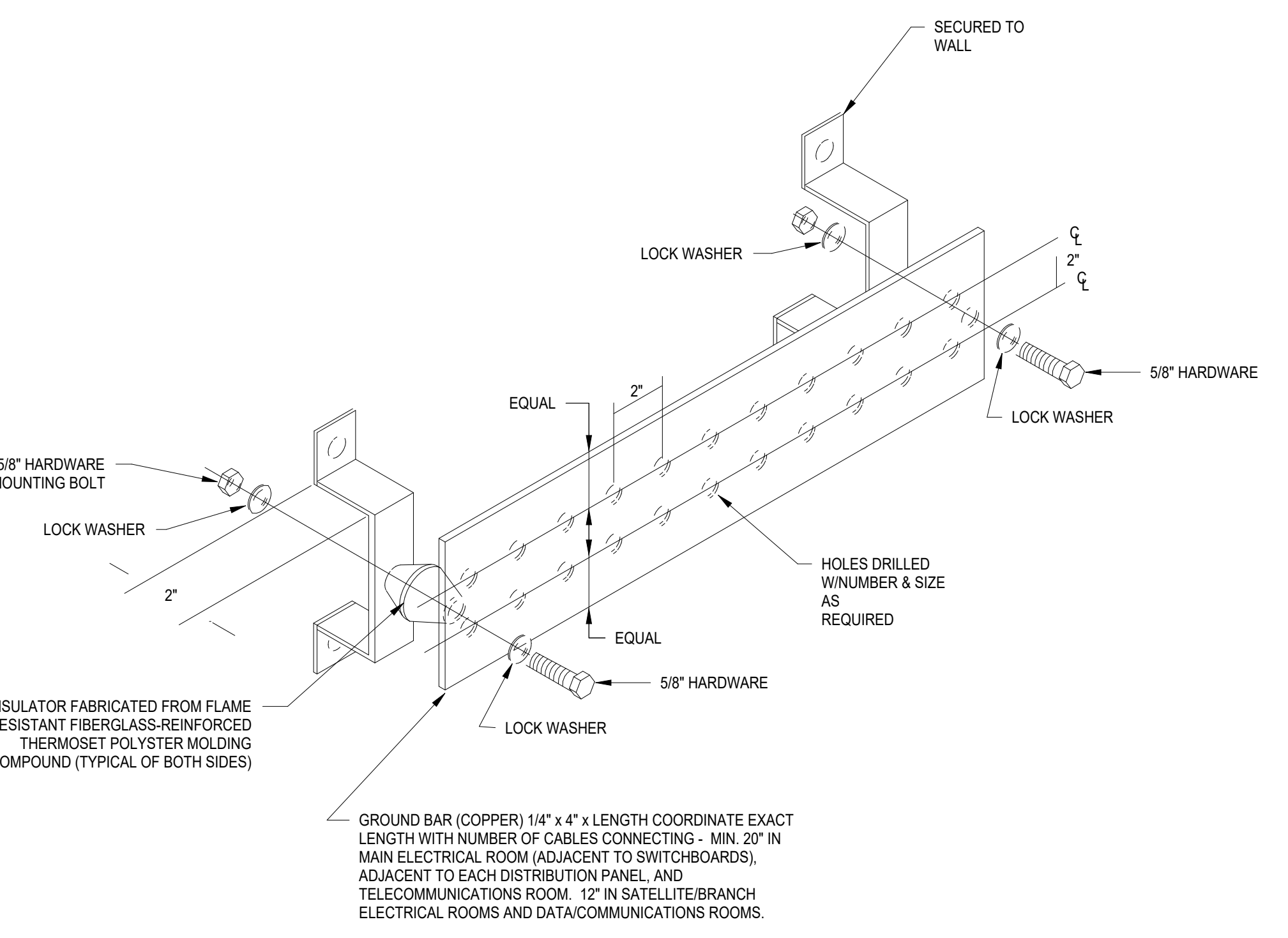
4 TYPICAL CONDUIT PENETRATION DETAIL #3 E-002 SCALE: NOT TO SCALE



3 TYPICAL CONDUIT PENETRATION DETAIL #2 E-002 SCALE: NOT TO SCALE



2 TYPICAL CONDUIT PENETRATION DETAIL #1 E-002 SCALE: NOT TO SCALE



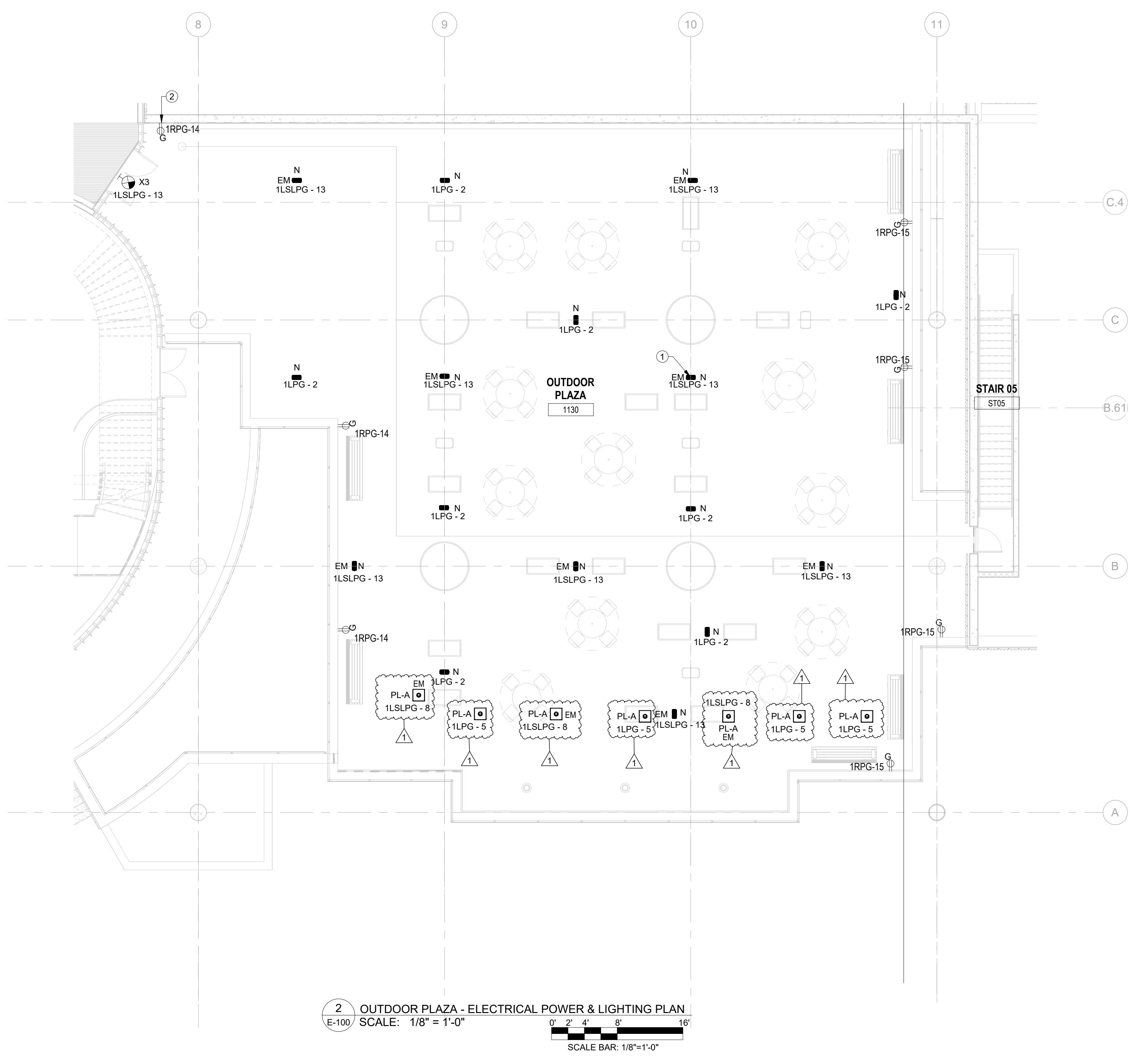
1 GROUND BAR DETAIL - TYPICAL E-002 SCALE: NOT TO SCALE

ELECTRICAL KEYNOTE	
Key Value	Keynote Text
1	LIGHT FIXTURE'S DRIVER SHALL BE INSTALLED IN AN WEATHERPROOF, ACCESSIBLE LOCATION. COORDINATE MOUNTING AND INSTALLATION REQUIREMENTS WITH MANUFACTURER (TYP. FOR ALL)
2	ALL GFCI EXTERIOR RECEPTACLES SHALL BE INSTALLED WITHIN A WEATHERPROOF/WHILE IN USE ENCLOSURE.

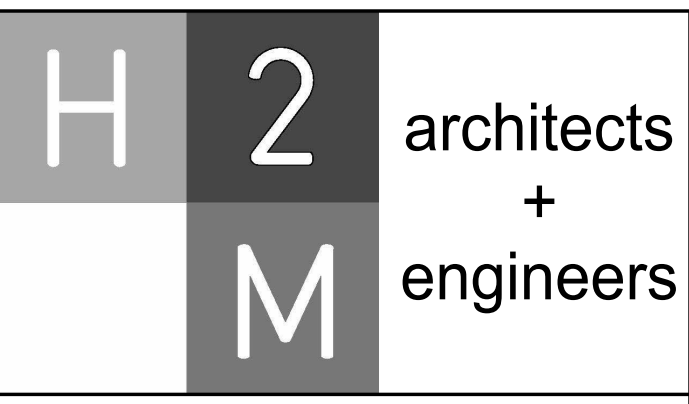
- GENERAL LIGHTING NOTES:**
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
 - REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
 - E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES.
 - INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS.
 - ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.
 - ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED.
 - E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

- LIGHTING CONTROLS NOTES:**
- THE GOALS ARE TO:**
- MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE, REQUIREMENTS.
 - TYPES OF LIGHTING CONTROLS BY AREA:
 - COMMON AREAS: OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS:
 - THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE.
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF THE TIME OF DAY CONTROL), ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON".
 - WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.

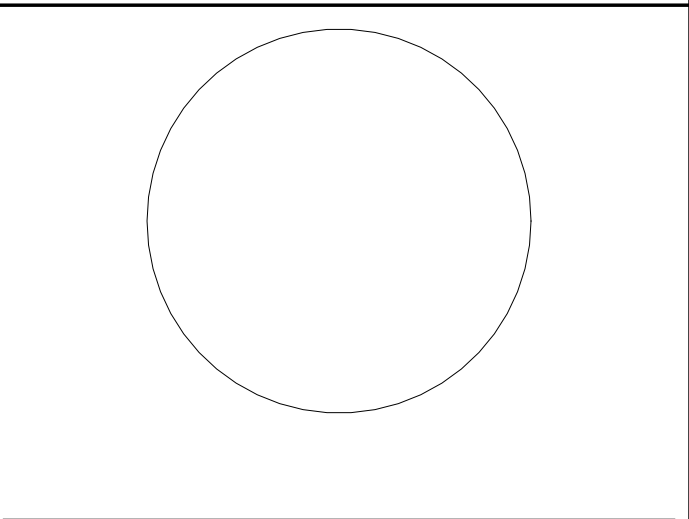
- MEETING ROOMS AND CONFERENCE ROOMS:**
- CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF".
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS):
 - PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF".
 - OFFICE:
 - PROVIDE OCCUPANCY/VACANCY SENSOR.
 - PROVIDE DAYLIGHTING CONTROL, AS REQUIRED.
 - JANITOR CLOSETS AND OTHER SMALL CLOSETS:
 - PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED VACANCY/OCCUPANCY SENSOR.
 - EXTERIOR BUILDING MOUNTED LIGHTING
 - THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.
 - SITE LIGHTING
 - THE LIGHTING ZONE SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.



2 OUTDOOR PLAZA - ELECTRICAL POWER & LIGHTING PLAN
 SCALE: 1/8" = 1'-0"
 SCALE BAR: 1/8"=1'-0"

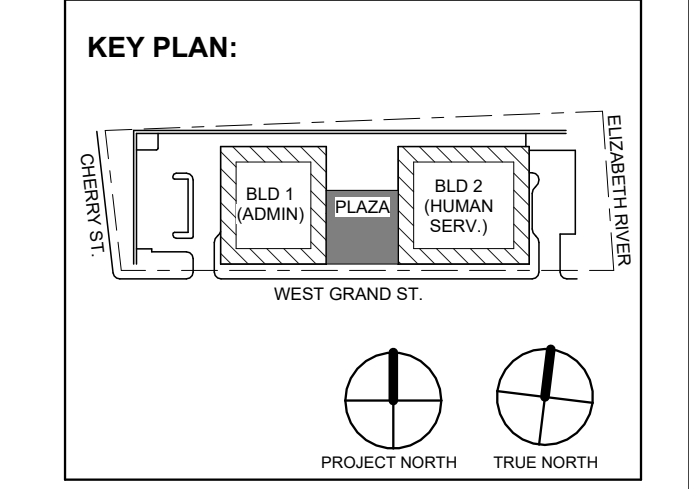


H2M Associates, Inc.
 119 Cherry Hill Road, Suite 110
 Parsippany, NJ 07954
 862.207.5900 www.h2m.com
 NJ Landscape Architecture Certificate No.: 21M00010300
 NJ Engineering Certificate of Authorization No.: 24GA28019100



DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
JJL	JJL	SGS	JCM

PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



No.	Date	Description
1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
 81 & 83 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 20.072
 Date: 11.08.2023
 Drawn By: JBA/VPC
 Checked By: JM/SH

Sheet Name:
OUTDOOR PLAZA - ELECTRICAL POWER & LIGHTING PLANS

Sheet No:
E-100

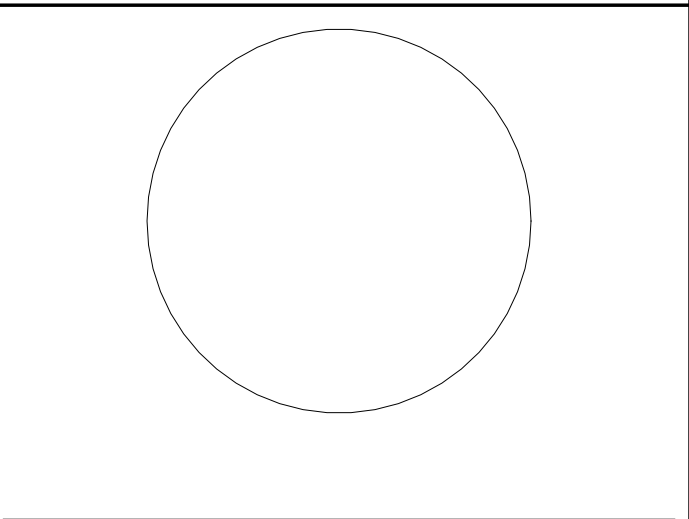
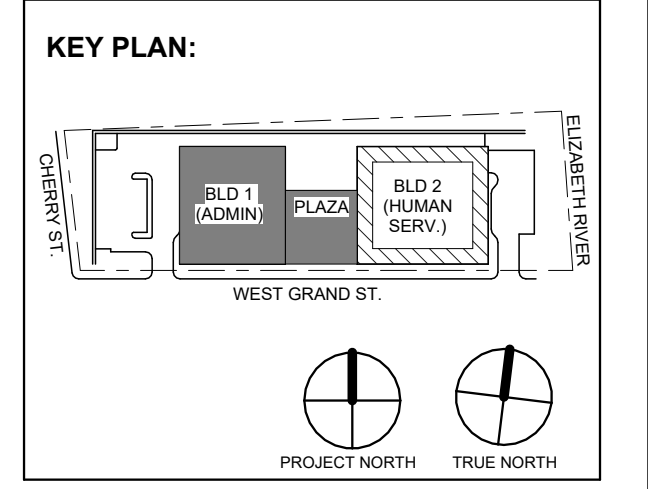
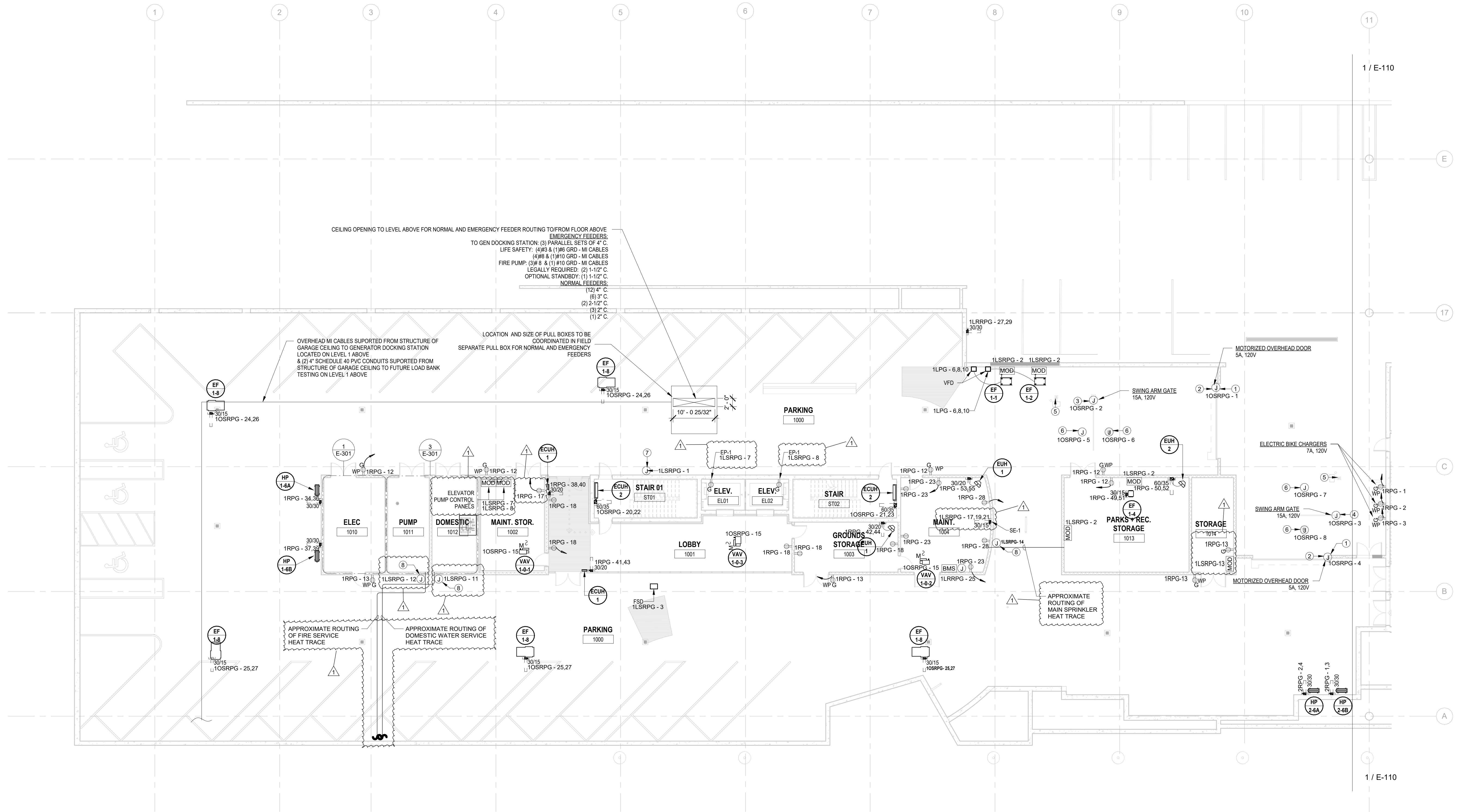


Table with columns: DESIGNED BY (J.J.L.), DRAWN BY (J.J.L.), CHECKED BY (SGS), REVIEWED BY (J.C.M.), PROJECT No. (DIGA2301), DATE (11/08/2023), SCALE (AS SHOWN).

ELECTRICAL KEYNOTE table with 8 rows detailing requirements for motorized rollup gates, conduit types, and coordination with other trades.

- GENERAL POWER PLAN NOTES: 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE. 2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES...



Revisions table with columns: No., Date, Description, Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA #A1 00827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - LEVEL 0 - ELECTRICAL POWER PLAN

Sheet No: E-101

1 BUILDING NO. 1 - LEVEL 0 - ELECTRICAL POWER PLAN E-101 SCALE: 3/32" = 1'-0" SCALE BAR: 0' 2' 4' 8' 12' 20'

- GENERAL POWER PLAN NOTES: 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE. 2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES. SYMBOL LEGEND AND ABBREVIATIONS. 3. CONTRACTOR SHALL REFER TO AUDIO VISUAL DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, POWER CONDUITS, ETC. 4. CONTRACTOR SHALL REFER TO SECURITY DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, SECURITY SLEEVES, CONDUITS, ETC. 5. CONTRACTOR SHALL REFER TO TELECOMMUNICATION DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, ETC. 6. CONTRACTOR SHALL FURNISH AND INSTALL FLOOR BOXES WHERE INDICATED ON DRAWINGS. SIZE AS REQUIRED TO ACCOMMODATE ALL POWER, AV, DATA CONNECTIONS, ETC.

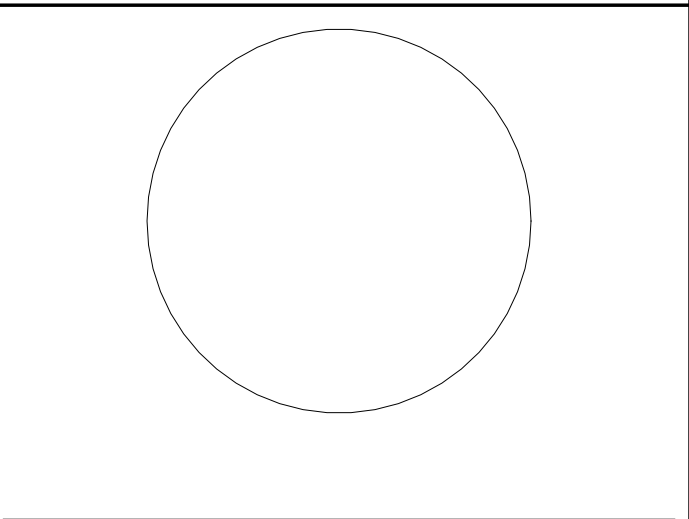


Table with project details: DESIGNED BY: J.J.L., DRAWN BY: J.J.L., CHECKED BY: SGS, REVIEWED BY: JCM. PROJECT No: DIGA2301, DATE: 11/08/2023, SCALE: AS SHOWN.

Table with revision history: 1. 12/01/2023 Addendum No. 01. 11/08/2023 For Public Bid.

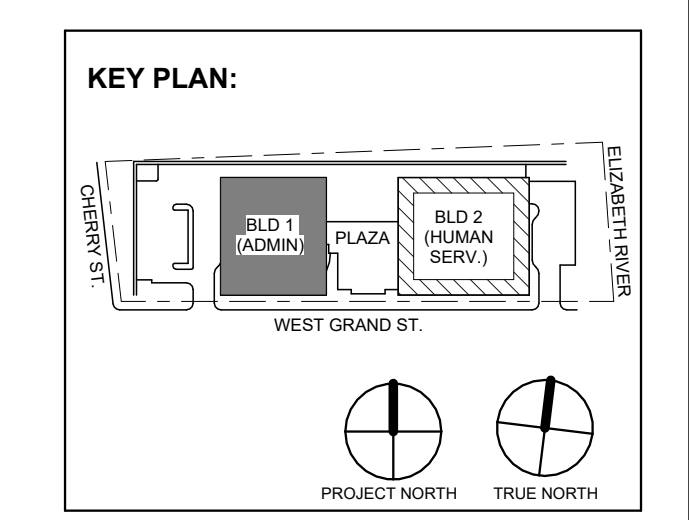


Table with revision history: 1. 12/01/2023 Addendum No. 01. 11/08/2023 For Public Bid.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

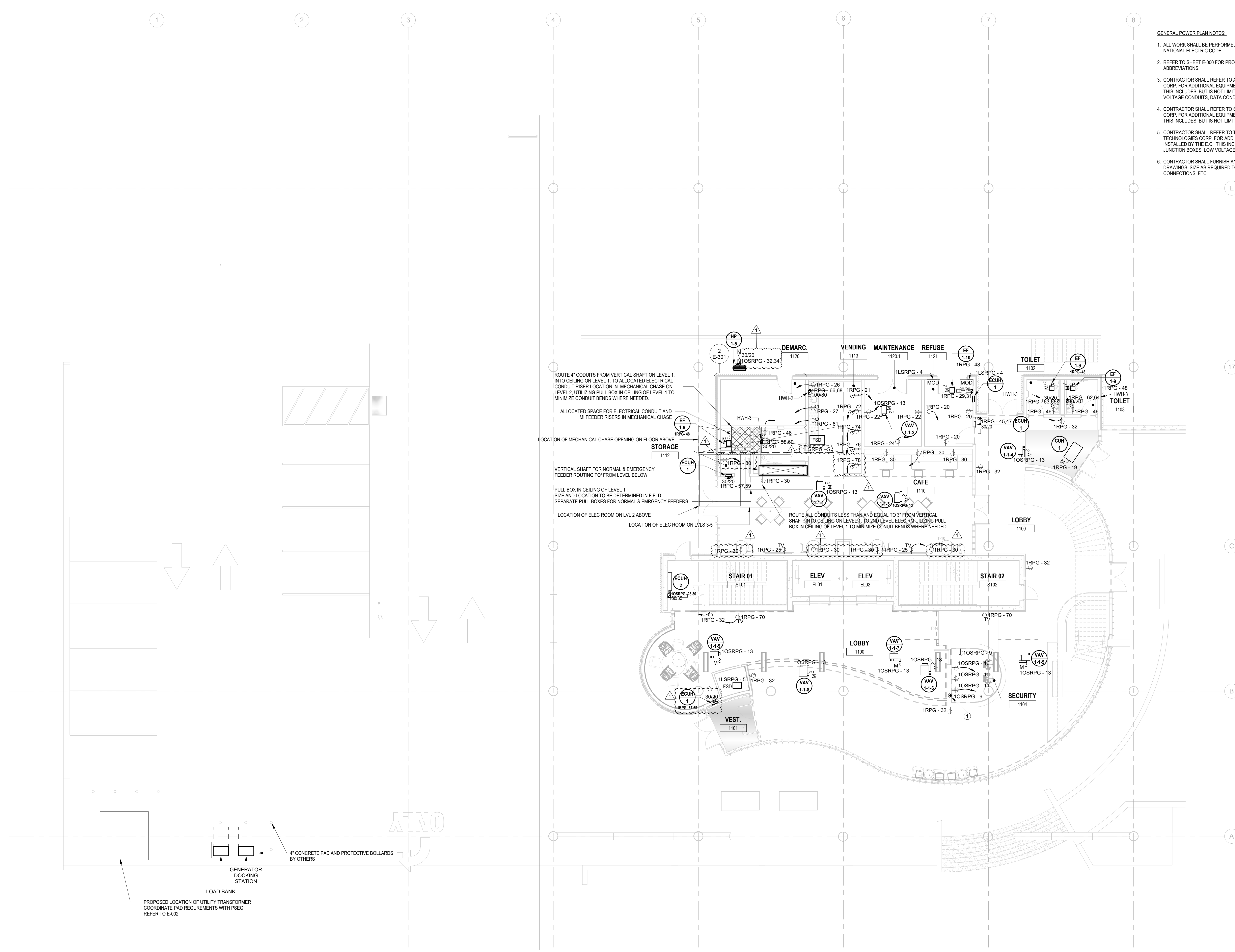
Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

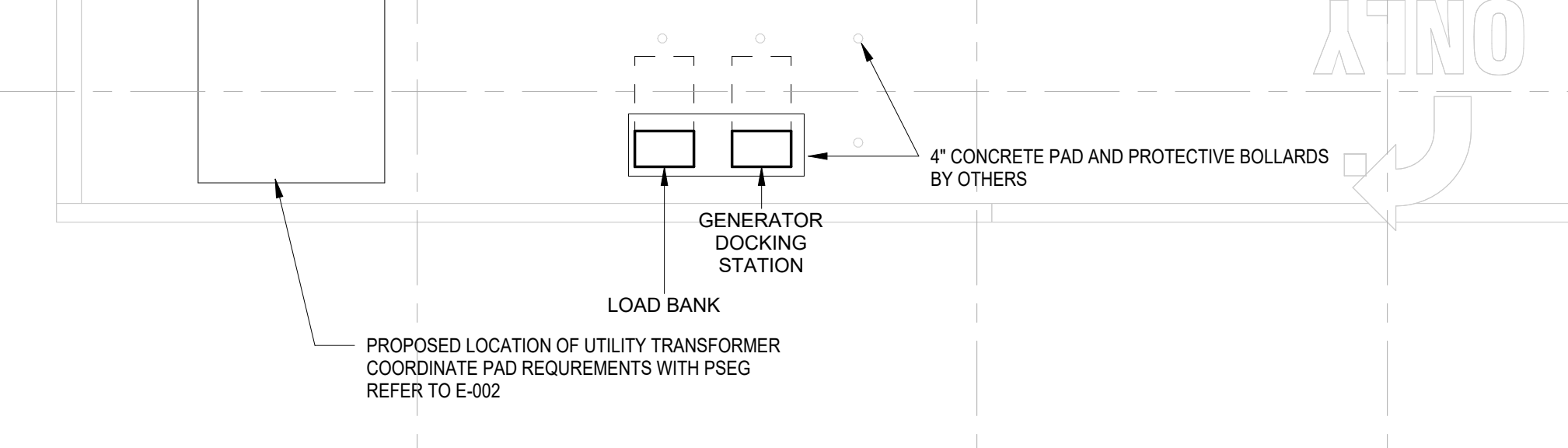
Sheet Name: BUILDING NO. 1 - LEVEL 1 - ELECTRICAL POWER PLAN

Sheet No: E-102

ELECTRICAL KEYNOTE table with 2 columns: Key Value, Keynote Text. Row 1: 1. E.C. SHALL FURNISH AND INSTALL LEGRAND EVOLUTION SERIES FIRE RATED 6" POKE THRU WITH (2) QUADRAPLEX RECEPTACLES AND DATA OUTLET DEVICES. COORDINATE DATA DEVICE REQUIREMENTS WITH LOW VOLTAGE CONSULTANT. COORDINATE COLOR AND FINISHES WITH ARCHITECT & INTERIOR DESIGNER.

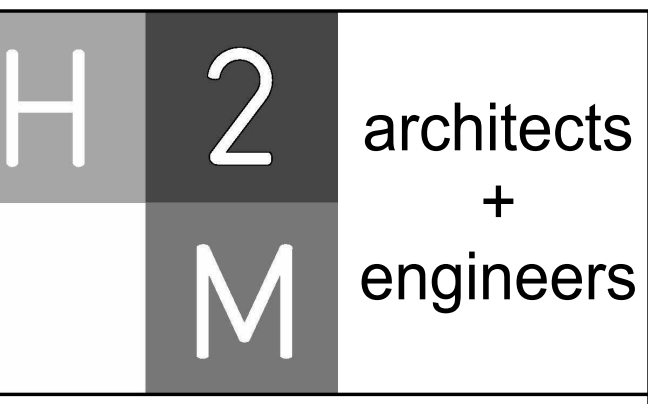


- ROUTE 4" CONDUITS FROM VERTICAL SHAFT ON LEVEL 1 INTO CEILING ON LEVEL 1, TO ALLOCATED ELECTRICAL CONDUIT RISER LOCATION IN MECHANICAL CHASE ON LEVEL 2, UTILIZING PULL BOX IN CEILING OF LEVEL 1 TO MINIMIZE CONDUIT BENDS WHERE NEEDED.
- ALLOCATED SPACE FOR ELECTRICAL CONDUIT AND MI FEEDER RISERS IN MECHANICAL CHASE
- LOCATION OF MECHANICAL CHASE OPENING ON FLOOR ABOVE
- VERTICAL SHAFT FOR NORMAL & EMERGENCY FEEDER ROUTING TO/ FROM LEVEL BELOW
- PULL BOX IN CEILING OF LEVEL 1 SIZE AND LOCATION TO BE DETERMINED IN FIELD SEPARATE PULL BOXES FOR NORMAL & EMERGENCY FEEDERS
- LOCATION OF ELEC ROOM ON LVL 2 ABOVE
- LOCATION OF ELEC ROOM ON LVLS 3-5
- ROUTE ALL CONDUITS LESS THAN AND EQUAL TO 3" FROM VERTICAL SHAFT INTO CEILING ON LEVEL 1, TO 2ND LEVEL ELEC RM UTILIZING PULL BOX IN CEILING OF LEVEL 1 TO MINIMIZE CONDUIT BENDS WHERE NEEDED.

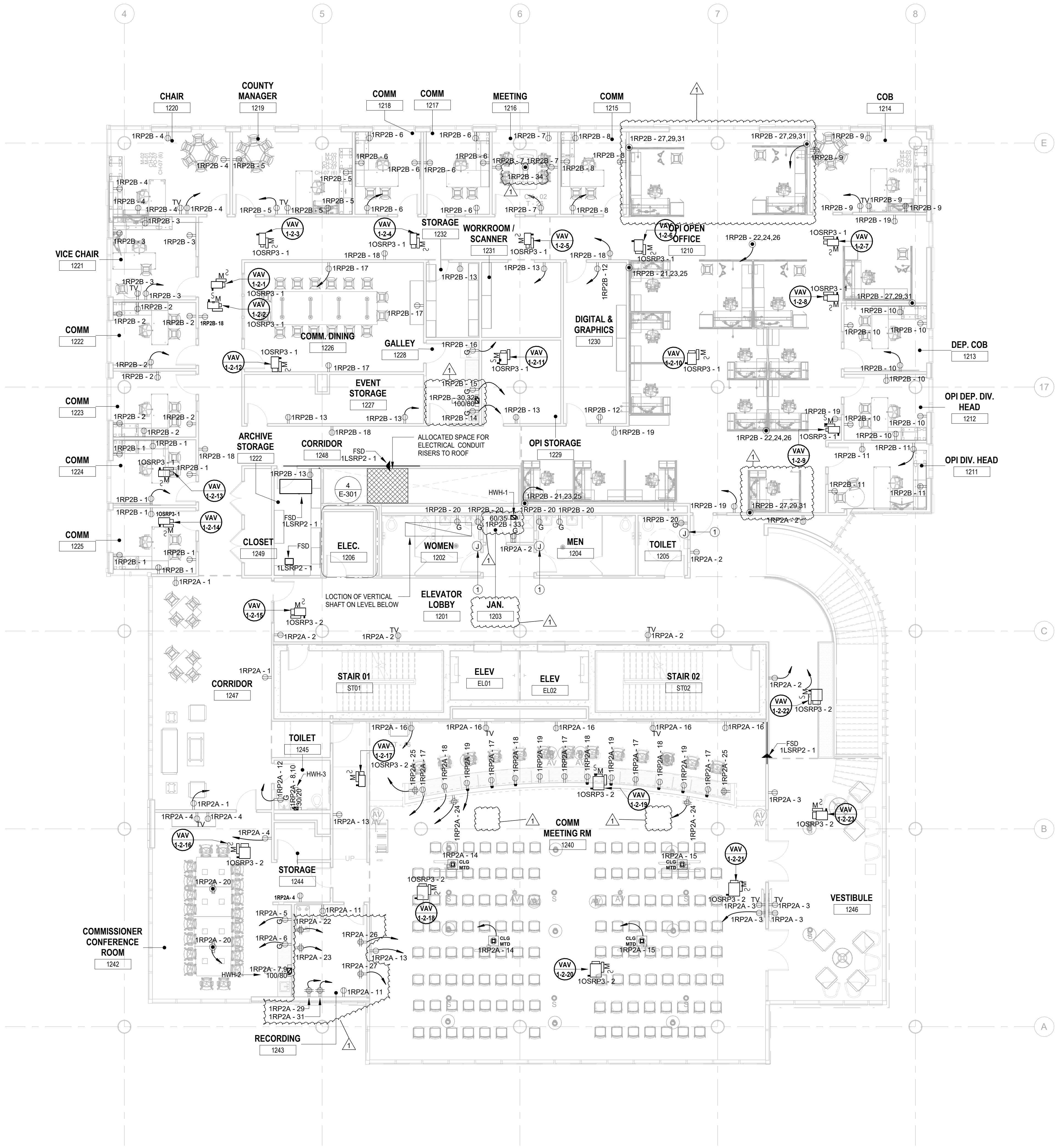


1 BUILDING NO.1 - LEVEL 1 - ELECTRICAL POWER PLAN E-102 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"

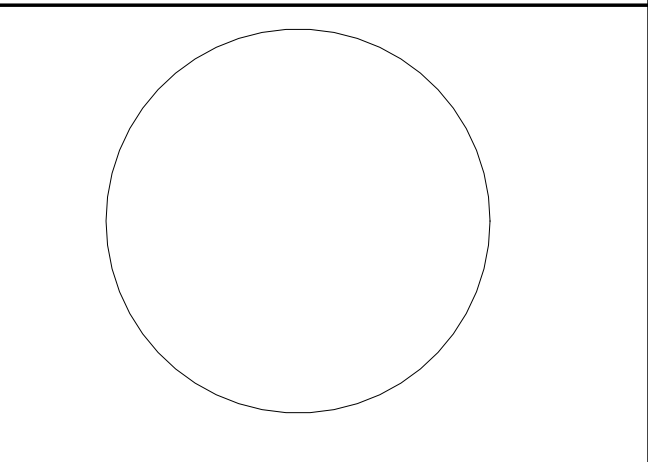
Key Value	Keynote Text
1	E.C. SHALL COORDINATE PROPOSED LOCATION OF A "FUTURE" HAND DRYER AND FURNISH AND INSTALL 3/4" CONDUIT WITH PULL STRING FROM EACH LOCATION BACK TO ELECTRICAL ROOM.



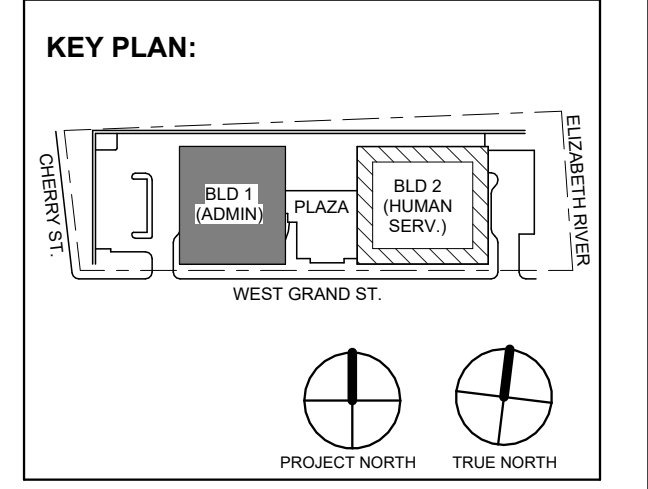
H2M Associates, Inc.
 119 Cherry Hill Road, Suite 110
 Parsippany, NJ 07954
 862.207.5900 • www.h2m.com
 NJ Landscape Architecture Certificate No.: 21MH00010300
 NJ Engineering Certificate of Authorization No.: 24GA28019100



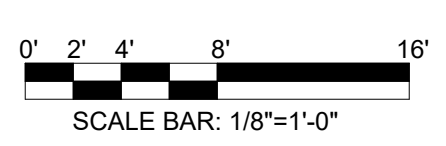
- GENERAL POWER PLAN NOTES:**
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
 2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
 3. CONTRACTOR SHALL REFER TO AUDIO VISUAL DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, POWER CONDUITS, ETC.
 4. CONTRACTOR SHALL REFER TO SECURITY DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, SECURITY SLEEVES, CONDUITS, ETC.
 5. CONTRACTOR SHALL REFER TO TELECOMMUNICATION DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, ETC.
 6. CONTRACTOR SHALL FURNISH AND INSTALL FLOOR BOXES WHERE INDICATED ON DRAWINGS, SIZE AS REQUIRED TO ACCOMMODATE ALL POWER, AV, DATA CONNECTIONS, ETC.



JOHN CHRIS MORRIS III, P.E.
 ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS UNLAWFUL.
 DESIGNED BY: J.J.L. DRAWN BY: J.J.L. CHECKED BY: S.G.S. REVIEWED BY: J.C.M.
 PROJECT NO.: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



1 BUILDING NO. 1 - LEVEL 2 - ELECTRICAL POWER PLAN
 E-103 SCALE: 1/8" = 1'-0"



No.	Date	Description
1	12/01/2023	Addendum No. 01
2	11/08/2023	For Public Bid

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
 81 & 83 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 20.072
 Date: 11.08.2023
 Drawn By: JBA/AVPC
 Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - LEVEL 2 - ELECTRICAL POWER PLAN

Sheet No:
E-103

11/30/2023 4:43:50 PM

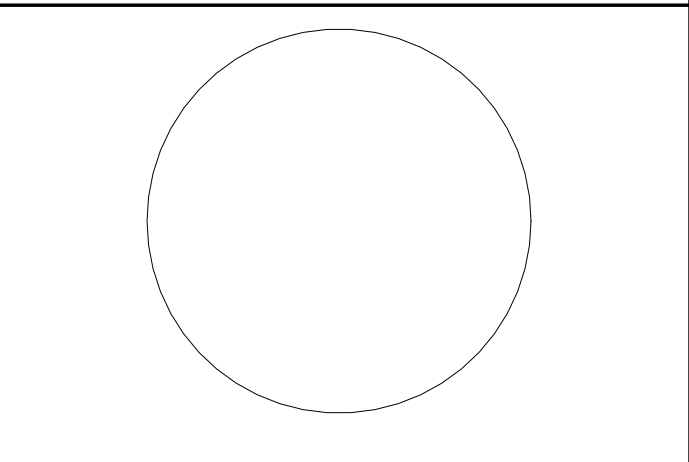
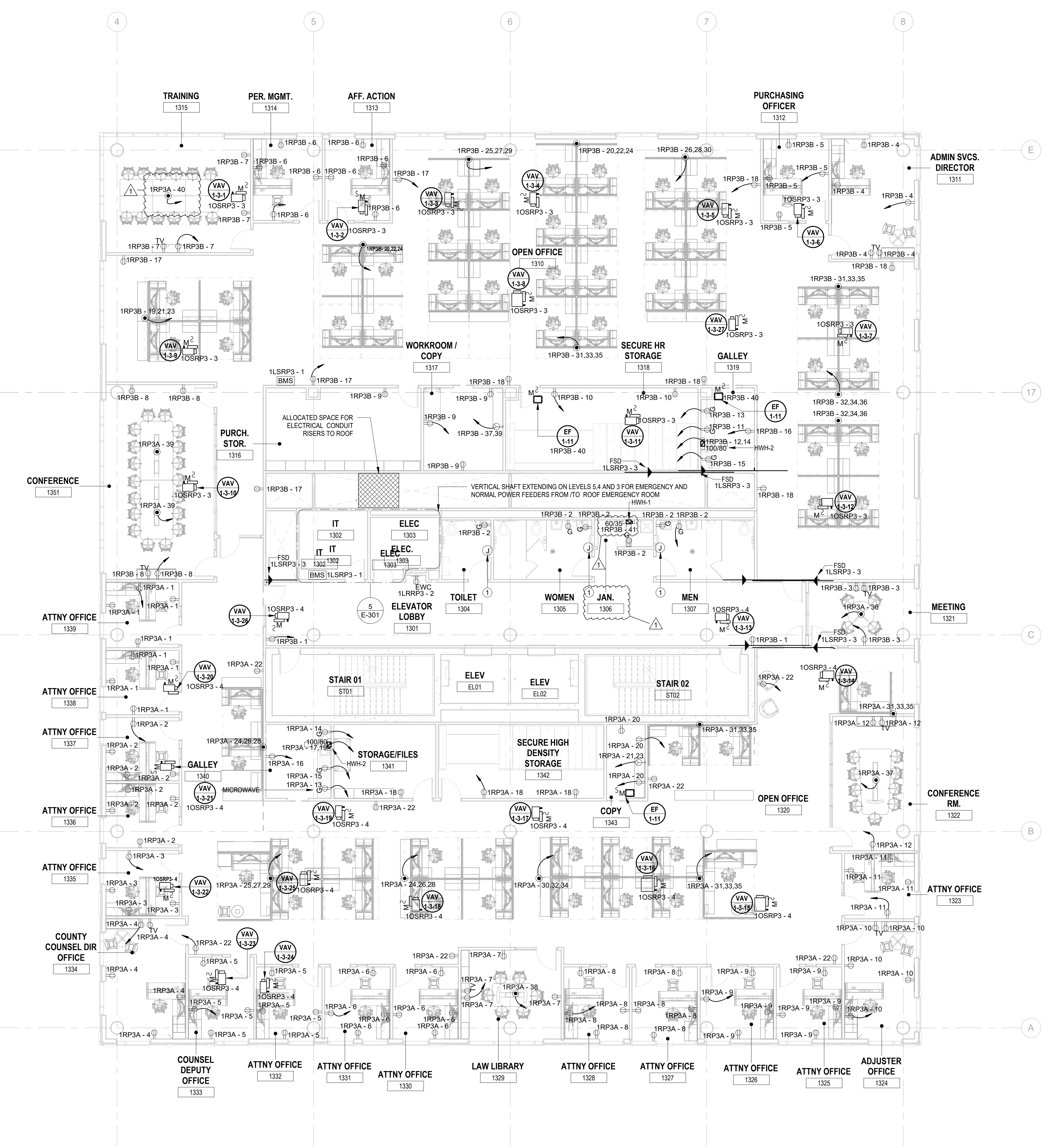
H2M Associates, Inc. 119 Cherry Hill Road, Suite 110 Parsippany, NJ 07054 862.207.5900 www.h2m.com

NJ Landscape Architecture Certificate No.: 21MH00010300 NJ Engineering Certificate of Authorization No.: 24GA28019100

ELECTRICAL KEYNOTE table with 2 columns: Key Value, Keynote Text. Row 1: 1, E.C. SHALL COORDINATE PROPOSED LOCATION OF A "FUTURE" HAND DRYER AND FURNISH AND INSTALL 3/4" CONDUIT WITH PULL STRING FROM EACH LOCATION BACK TO ELECTRICAL ROOM.

GENERAL POWER PLAN NOTES:

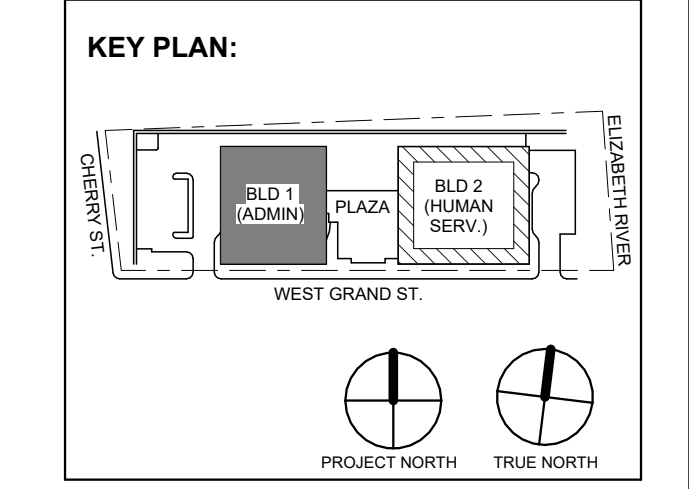
- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGENED AND ABBREVIATIONS.
3. CONTRACTOR SHALL REFER TO AUDIO VISUAL DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, POWER CONDUITS, ETC.
4. CONTRACTOR SHALL REFER TO SECURITY DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, SECURITY SLEEVES, CONDUITS, ETC.
5. CONTRACTOR SHALL REFER TO TELECOMMUNICATION DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, ETC.
6. CONTRACTOR SHALL FURNISH AND INSTALL FLOOR BOXES WHERE INDICATED ON DRAWINGS, SIZE AS REQUIRED TO ACCOMMODATE ALL POWER, AV, DATA CONNECTIONS, ETC.



JOHN CHRIS MORRIS III, P.E. PROFESSIONAL ENGINEER IN NJ

DESIGNED BY: J.J.L. DRAWN BY: J.J.L. CHECKED BY: SGS. REVIEWED BY: J.C.M.

PROJECT NO.: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



Revision table with columns: No., Date, Description, Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 93 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - LEVEL 3 - ELECTRICAL POWER PLAN

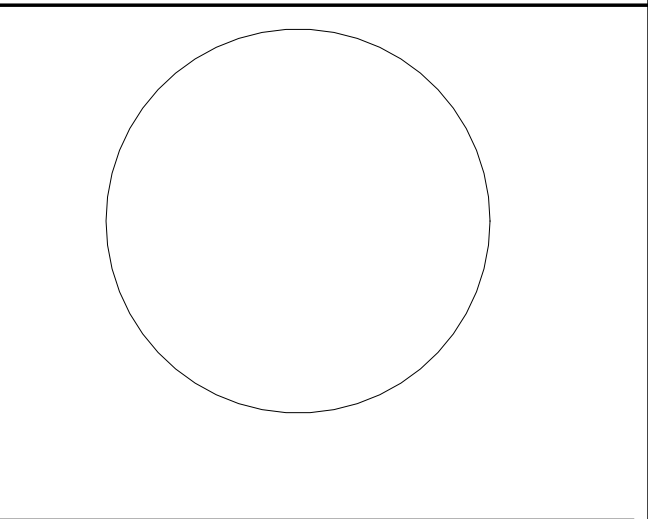
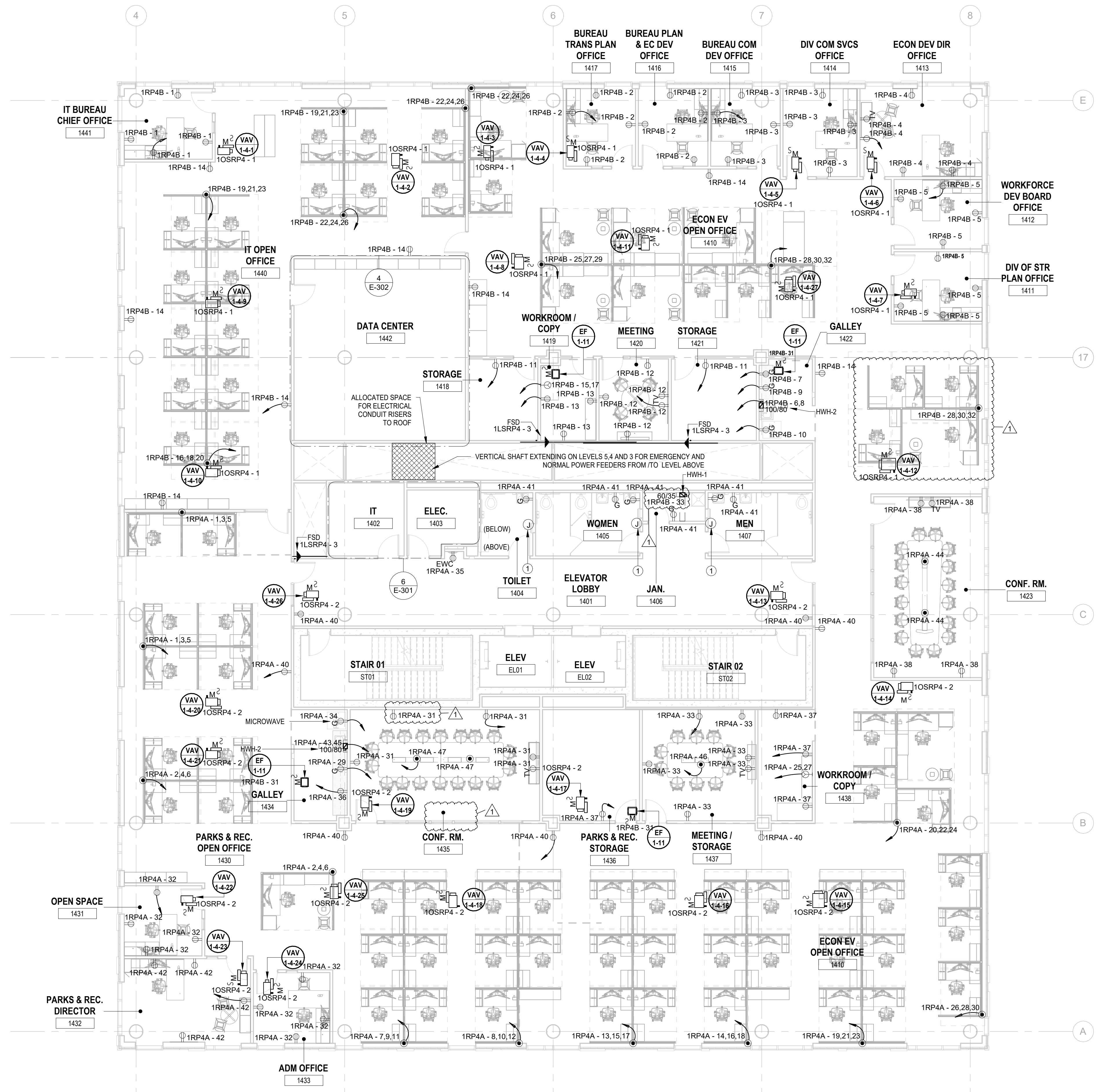
Sheet No: E-104

1 BUILDING NO.1 - LEVEL 3 - ELECTRICAL POWER PLAN E-104 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"

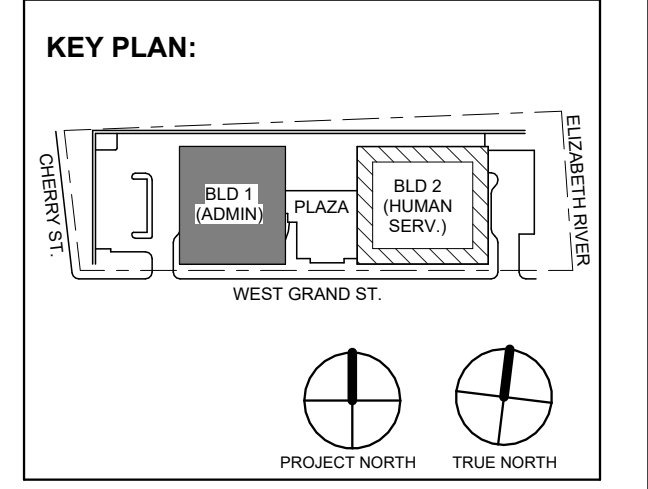
C:\Users\j\Documents\DIGA2301_Central123_E_LaurenceATAD.rvt

ELECTRICAL KEYNOTE	
Key Value	Keynote Text
1	E.C. SHALL COORDINATE PROPOSED LOCATION OF A "FUTURE" HAND DRYER AND FURNISH AND INSTALL 3/4" CONDUIT WITH PULL STRING FROM EACH LOCATION BACK TO ELECTRICAL ROOM.

- GENERAL POWER PLAN NOTES:**
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
 - REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
 - CONTRACTOR SHALL REFER TO AUDIO VISUAL DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, POWER CONDUITS, ETC.
 - CONTRACTOR SHALL REFER TO SECURITY DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, SECURITY SLEEVES, CONDUITS, ETC.
 - CONTRACTOR SHALL REFER TO TELECOMMUNICATION DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, ETC.
 - CONTRACTOR SHALL FURNISH AND INSTALL FLOOR BOXES WHERE INDICATED ON DRAWINGS, SIZE AS REQUIRED TO ACCOMMODATE ALL POWER, AV, DATA CONNECTIONS, ETC.



JOHN CHRIS MORRIS III, P.E.
 ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS LEGAL.
 DESIGNED BY: J.J.L. DRAWN BY: J.S.G. CHECKED BY: J.C.M. REVIEWED BY: J.C.M.
 PROJECT NO: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



No.	Date	Description	Revisions / Issues
1	12.01.2023	Addendum No. 01	
	11.08.2023	For Public Bid	

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT COMPLEX
 81 & 83 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 20.072
 Date: 11.08.2023
 Drawn By: JBA/VPC
 Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - LEVEL 4 - ELECTRICAL POWER PLAN

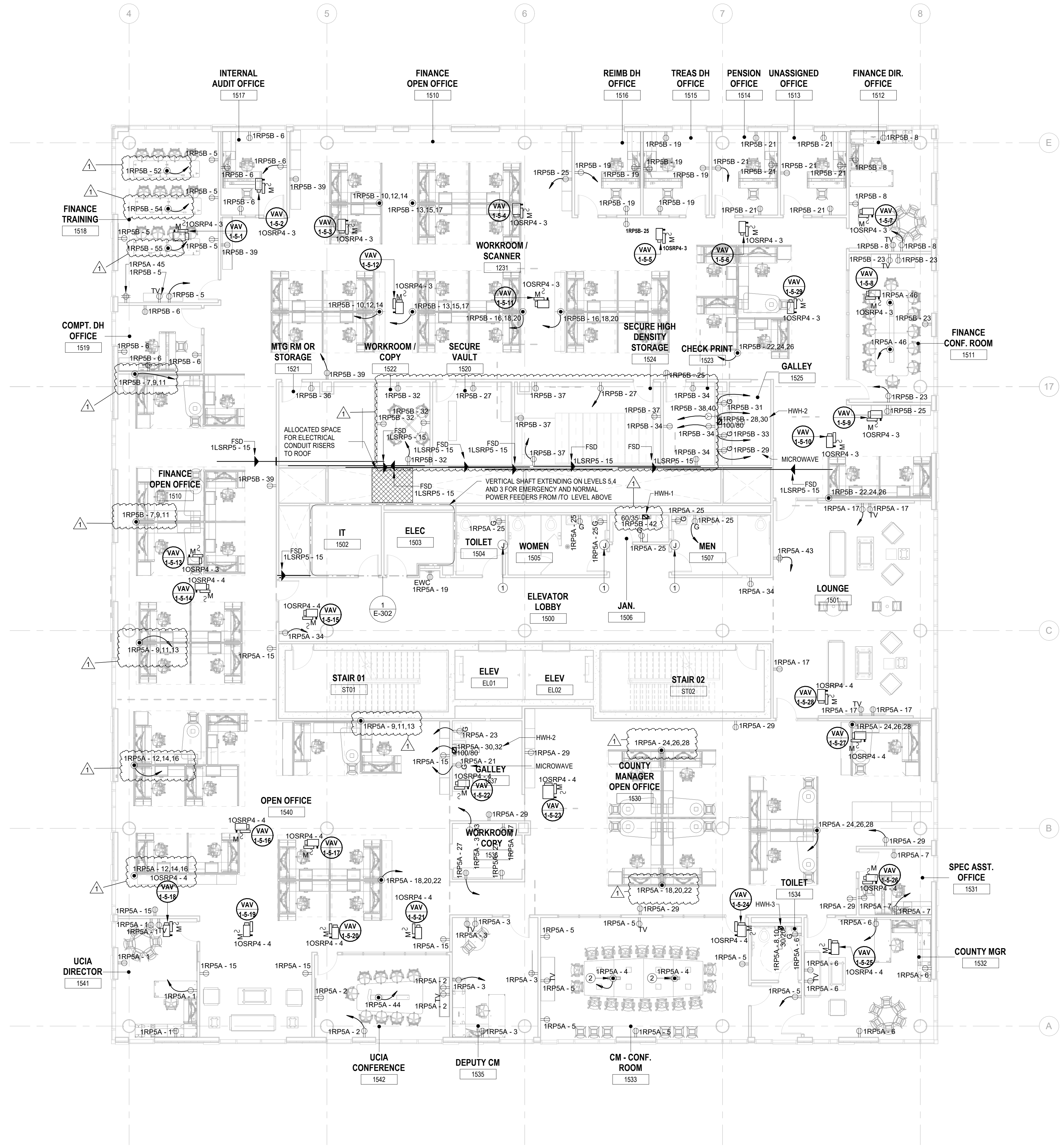
Sheet No:
E-105

1 BUILDING NO.1 - LEVEL 4 - ELECTRICAL POWER PLAN
 E-105 SCALE: 1/8" = 1'-0"
 SCALE BAR: 1/8"=1'-0"

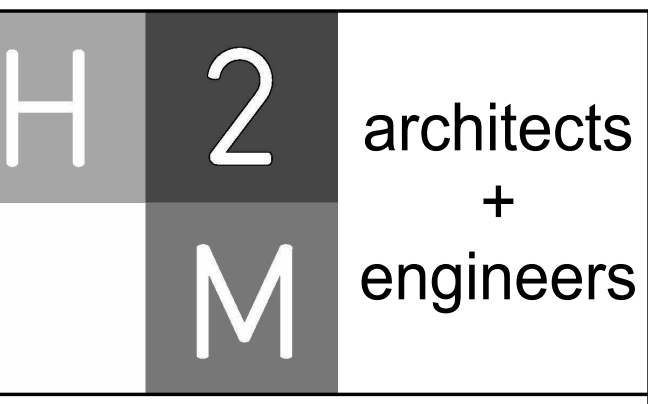
11/30/2023 4:44:07 PM

C:\Users\jlaurence\Documents\DIGA2301_Central23_E_Laurence\TAD.rvt

ELECTRICAL KEYNOTE	
Key Value	Keynote Text
1	E.C. SHALL COORDINATE PROPOSED LOCATION OF A "FUTURE" HAND DRYER AND FURNISH AND INSTALL 3/4" CONDUIT WITH PULL STRING FROM EACH LOCATION BACK TO ELECTRICAL ROOM.
2	E.C. SHALL FURNISH AND INSTALL LEGRAND EVOLUTION SERIES FIRE RATED BY POKÉ THRU, WITH (2) QUADRAX EX RECEPTACLES, DATA & AV OUTLET DEVICES. COORDINATE DATA & AV DEVICE REQUIREMENTS WITH LOW VOLTAGE CONSULTANT. COORDINATE COLOR AND FINISHES WITH ARCHITECT & INTERIOR DESIGNER.

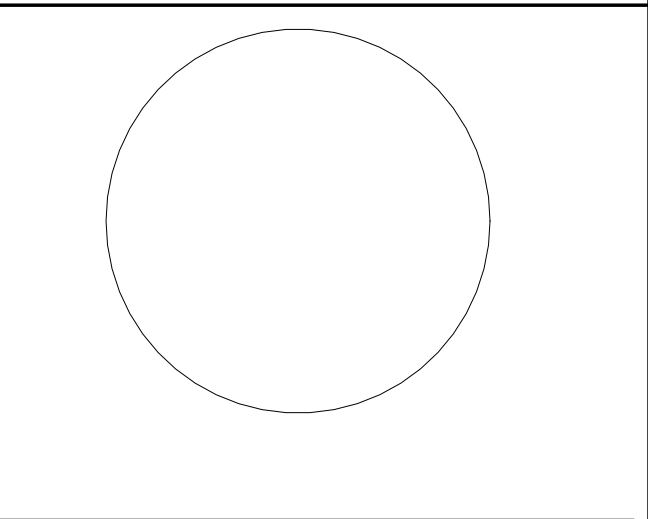


- GENERAL POWER PLAN NOTES:
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
 2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
 3. CONTRACTOR SHALL REFER TO AUDIO VISUAL DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, POWER CONDUITS, ETC.
 4. CONTRACTOR SHALL REFER TO SECURITY DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, SECURITY SLEEVES, CONDUITS, ETC.
 5. CONTRACTOR SHALL REFER TO TELECOMMUNICATION DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, ETC.
 6. CONTRACTOR SHALL FURNISH AND INSTALL FLOOR BOXES WHERE INDICATED ON DRAWINGS. SIZE AS REQUIRED TO ACCOMMODATE ALL POWER, AV, DATA CONNECTIONS, ETC.



H2M Associates, Inc.
 119 Cherry Hill Road, Suite 110
 Parsippany, NJ 07954
 862.207.5900 www.h2m.com
 NJ Landscape Architecture Certificate No.: 21MH00010300
 NJ Engineering Certificate of Authorization No.: 24GA28019100

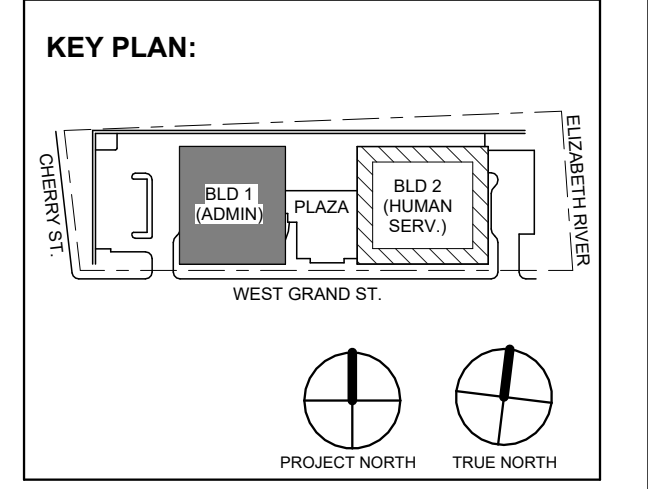
DESIGNED BY: J.J.L.
 DRAWN BY: J.J.L.
 CHECKED BY: S.G.S.
 REVIEWED BY: J.C.M.
 PROJECT NO.: DIGA2301
 DATE: 11/08/2023
 SCALE: AS SHOWN



JOHN CHRIS MORRIS III, P.E.
 ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS UNLAWFUL.
 THIS DRAWING IS THE PROPERTY OF DIGROUP ARCHITECTURE. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON.

12/01/2023 Addendum No. 01
 11/08/2023 For Public Bid

No. Date Description
 Revisions / Issues



1 BUILDING NO. 1 - LEVEL 5 - ELECTRICAL POWER PLAN
 E-106 SCALE: 1/8" = 1'-0"
 SCALE BAR: 1/8"=1'-0"

12/01/2023 Addendum No. 01
 11/08/2023 For Public Bid

No. Date Description
 Revisions / Issues

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA #A1 00827100

PRELIMINARY
 NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT COMPLEX
 81 & 83 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 20.072
 Date: 11.08.2023
 Drawn By: JBA/AVPC
 Checked By: JM/SH

Sheet Name:
 BUILDING NO. 1 - LEVEL 5 - ELECTRICAL POWER PLAN

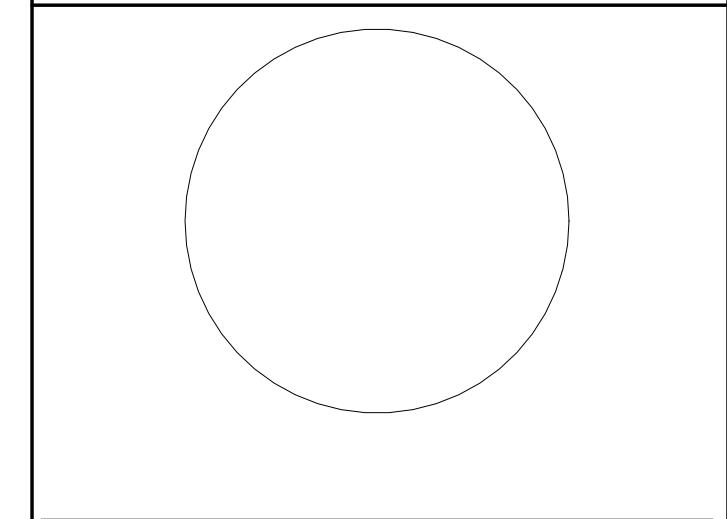
Sheet No:
 E-106

ELECTRICAL KEYNOTE	
Key Value	Keynote Text
1	E.C. SHALL COORDINATE LOCATION OF ALL MOTORIZED DAMPERS WITH MECHANICAL DRAWINGS AND INCLUDE IN THEIR SCOPE POWER AND CIRCUITING OF (5) DEVICES LOCATED ON THIS LEVEL.

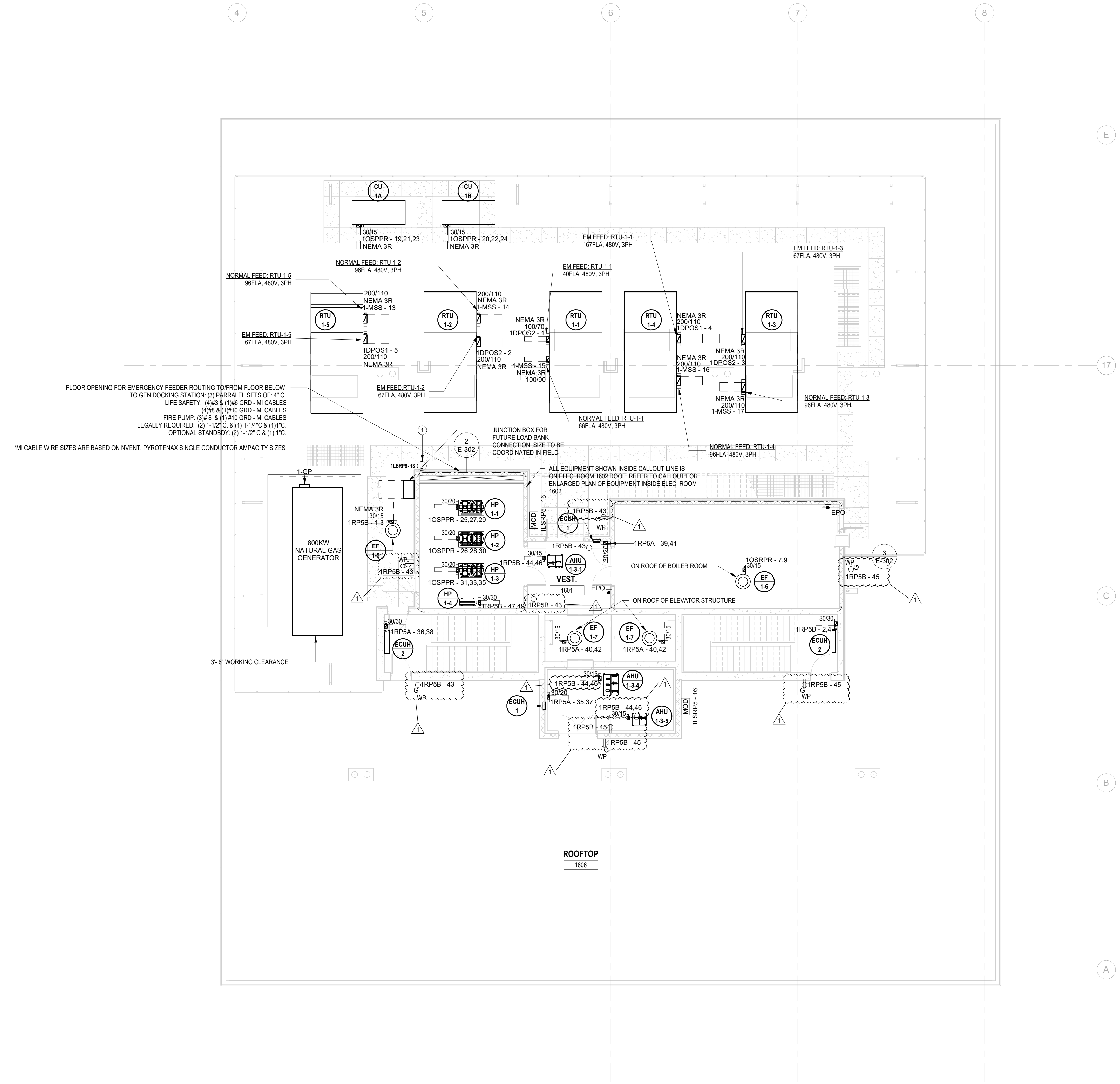
H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5900 • www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010300
NJ Engineering Certificate of Authorization No.: 24GA28019100

GENERAL POWER PLAN NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
- REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGENED AND ABBREVIATIONS.
- CONTRACTOR SHALL REFER TO AUDIO VISUAL DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, POWER CONDUITS, ETC.
- CONTRACTOR SHALL REFER TO SECURITY DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, SECURITY SLEEVES, CONDUITS, ETC.
- CONTRACTOR SHALL REFER TO TELECOMMUNICATION DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, ETC.
- CONTRACTOR SHALL FURNISH AND INSTALL FLOOR BOXES WHERE INDICATED ON DRAWINGS, SIZE AS REQUIRED TO ACCOMMODATE ALL POWER, AV, DATA CONNECTIONS, ETC.

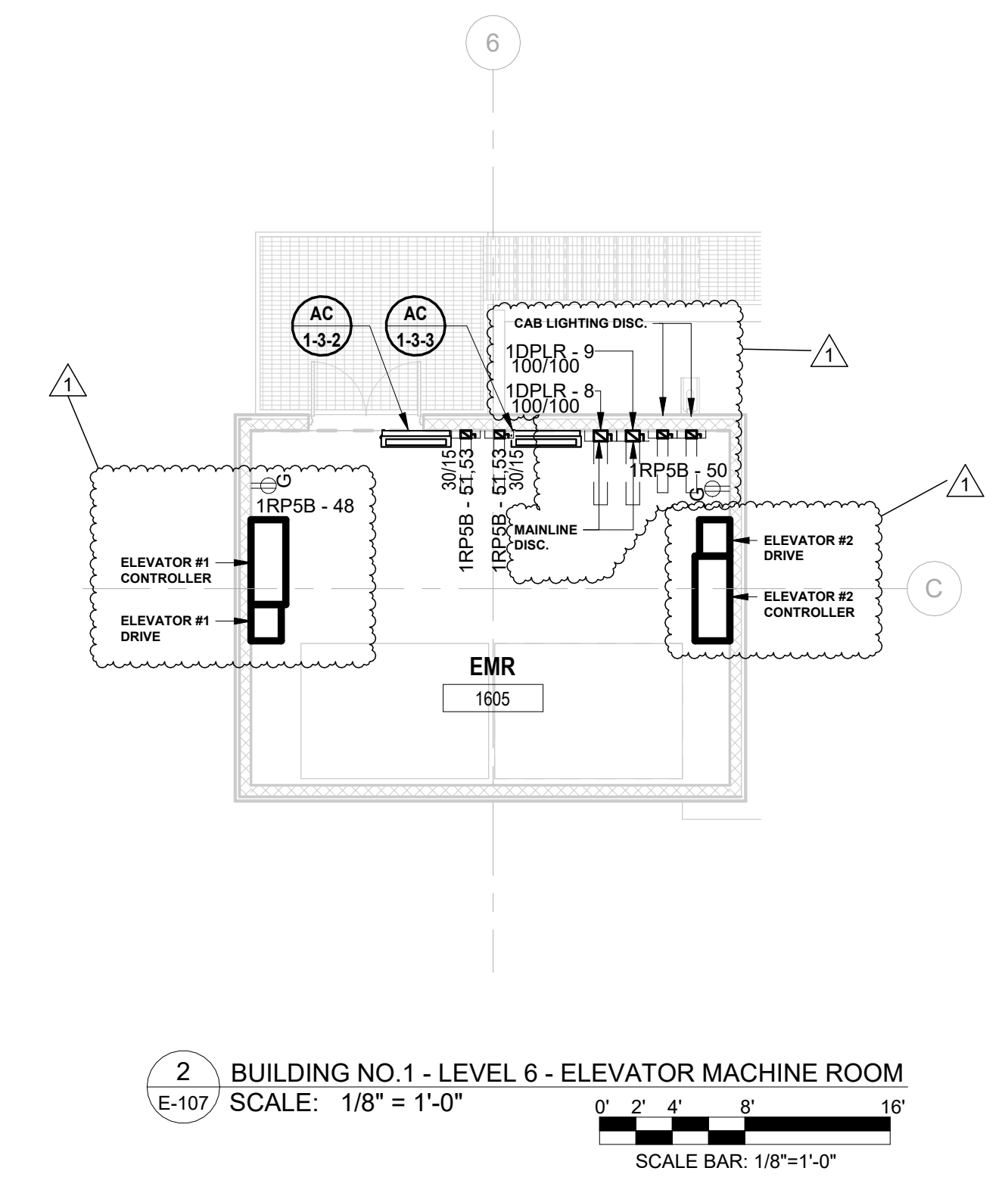


JOHN CHRIS MORRIS III, P.E.
ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS LEGAL.
DESIGNED BY: J.J.L. DRAWN BY: J.J.L. CHECKED BY: J.C.M. REVIEWED BY: J.C.M.
PROJECT No.: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN

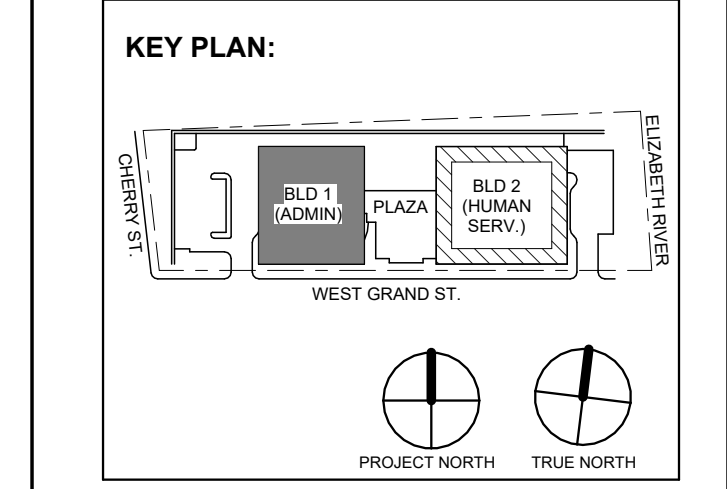


FLOOR OPENING FOR EMERGENCY FEEDER ROUTING TO FLOOR BELOW TO GEN DOCKING STATION: (3) PARALLEL SETS OF: 4" C LIFE SAFETY: (4) #3 & (1) #6 GRD - MI CABLES (4) #8 & (1) #10 GRD - MI CABLES FIRE PUMP: (3) #8 & (1) #10 GRD - MI CABLES LEGALLY REQUIRED: (2) 1-1/2" C & (1) 1-1/4" C & (1) 1" C OPTIONAL STANDBY: (2) 1-1/2" C & (1) 1" C
*MI CABLE WIRE SIZES ARE BASED ON NVENT, PYROTEXAN SINGLE CONDUCTOR AMPACITY SIZES

1 BUILDING NO. 1 - ROOF - ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"



2 BUILDING NO. 1 - LEVEL 6 - ELEVATOR MACHINE ROOM
SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"



No.	Date	Description	Revisions / Issues
1	12.01.2023	Addendum No. 01	
	11.08.2023	For Public Bid	

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No.: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - ROOF - ELECTRICAL POWER PLAN

Sheet No.:
E-107

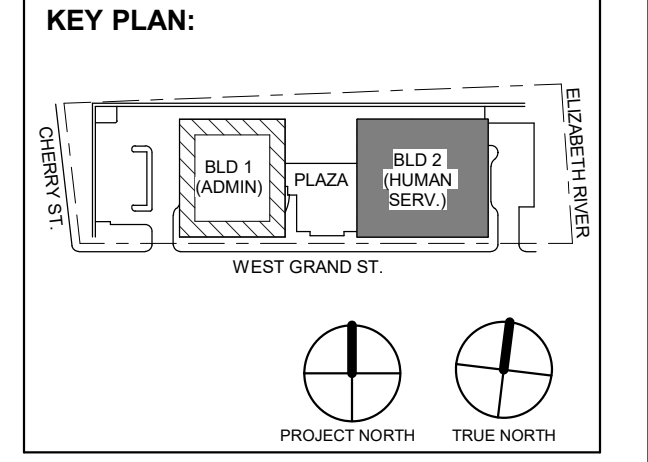


Table with 3 columns: No., Date, Description. Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

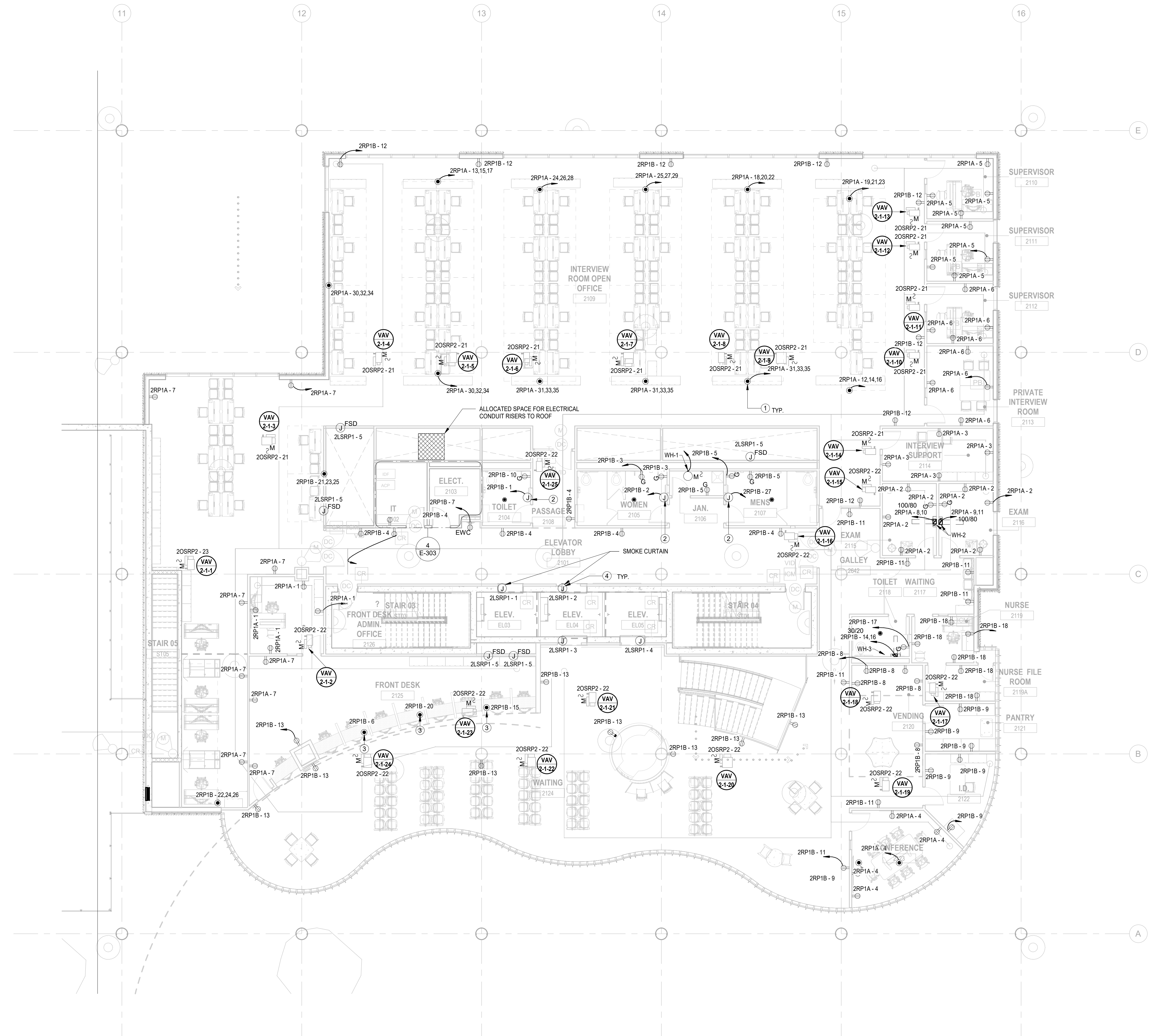
Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VFC Checked By: JM/S

Sheet Name: BUILDING NO. 2 - LEVEL 1 - ELECTRICAL POWER PLAN

Sheet No: E-111

ELECTRICAL KEYNOTE table with 2 columns: Key Value, Keynote Text. Contains 4 items regarding furniture poke-thru, hand dryer installation, fire-rated poke-thru, and smoke curtain integration.

- GENERAL POWER PLAN NOTES: 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE. 2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS. 3. CONTRACTOR SHALL REFER TO AUDIO VISUAL DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUIT, POWER CONDUITS, ETC. 4. CONTRACTOR SHALL REFER TO SECURITY DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, SECURITY SLEEVES, CONDUITS, ETC. 5. CONTRACTOR SHALL REFER TO TELECOMMUNICATION DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, ETC. 6. CONTRACTOR SHALL FURNISH AND INSTALL FLOOR BOXES WHERE INDICATED ON DRAWINGS, SIZE AS REQUIRED TO ACCOMMODATE ALL POWER, AV, DATA CONNECTIONS, ETC.



1 BUILDING NO. 2 - LEVEL 1 - ELECTRICAL POWER PLAN E-111 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"

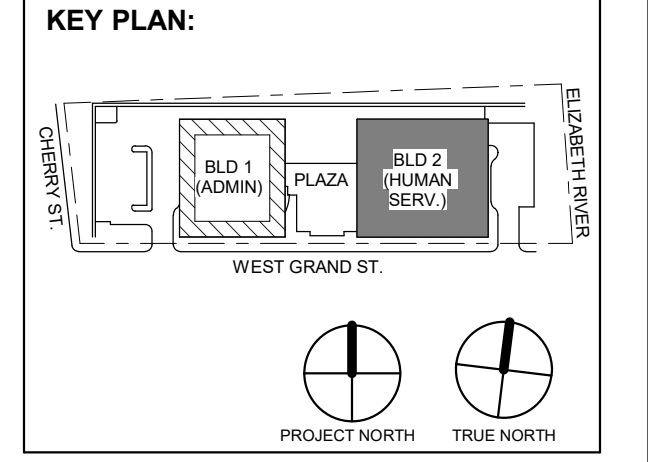


Table with 3 columns: No., Date, Description. Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA #1 03827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 93 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

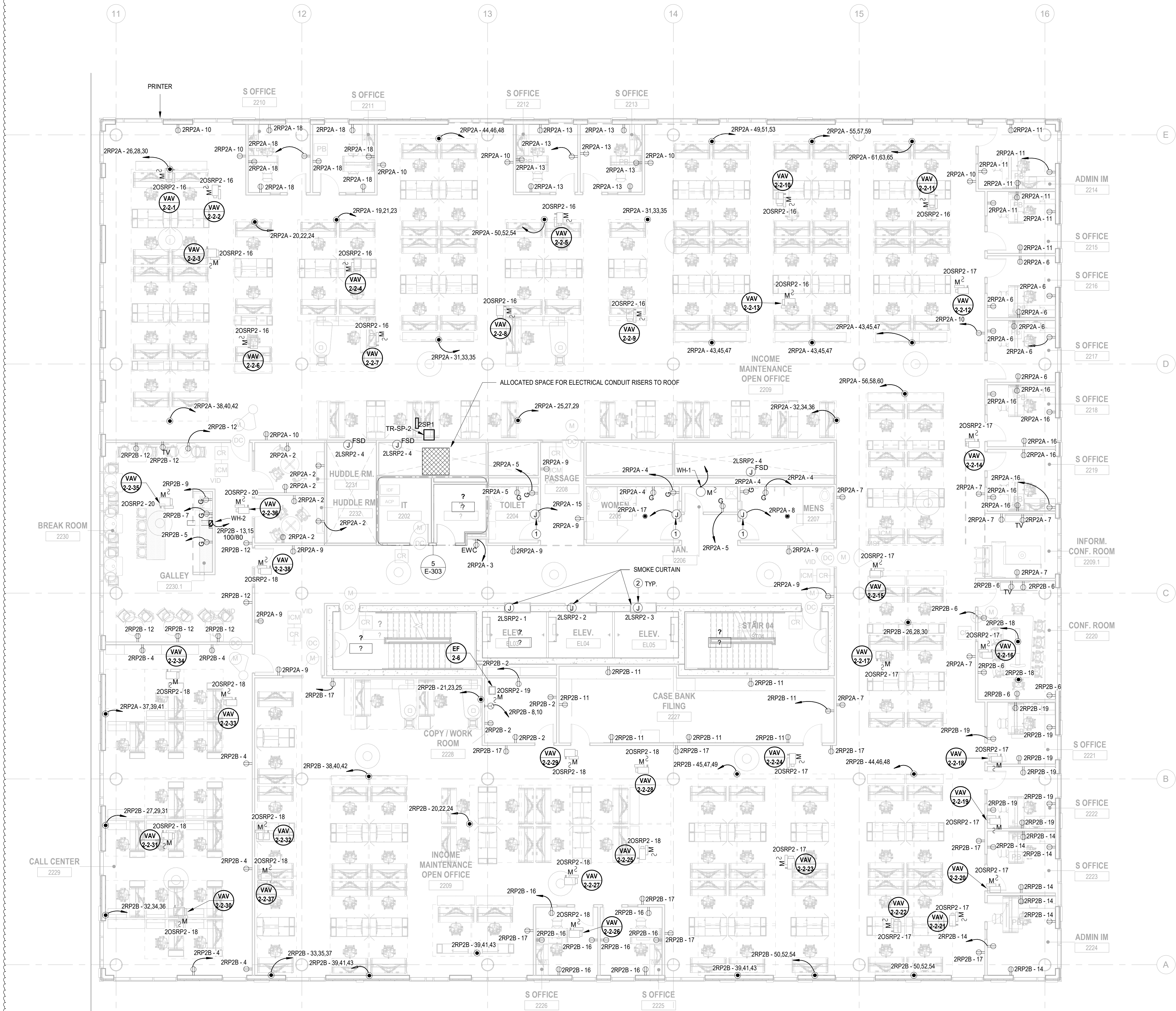
Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - LEVEL 2 - ELECTRICAL POWER PLAN

Sheet No: E-112

ELECTRICAL KEYNOTE table with 2 columns: Key Value, Keynote Text.

- GENERAL POWER PLAN NOTES: 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE. 2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS. 3. CONTRACTOR SHALL REFER TO AUDIO VISUAL DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUIT, POWER CONDUITS, ETC.

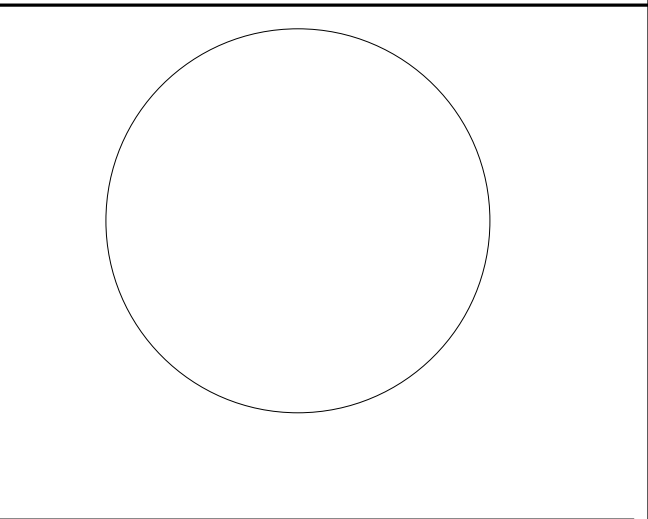
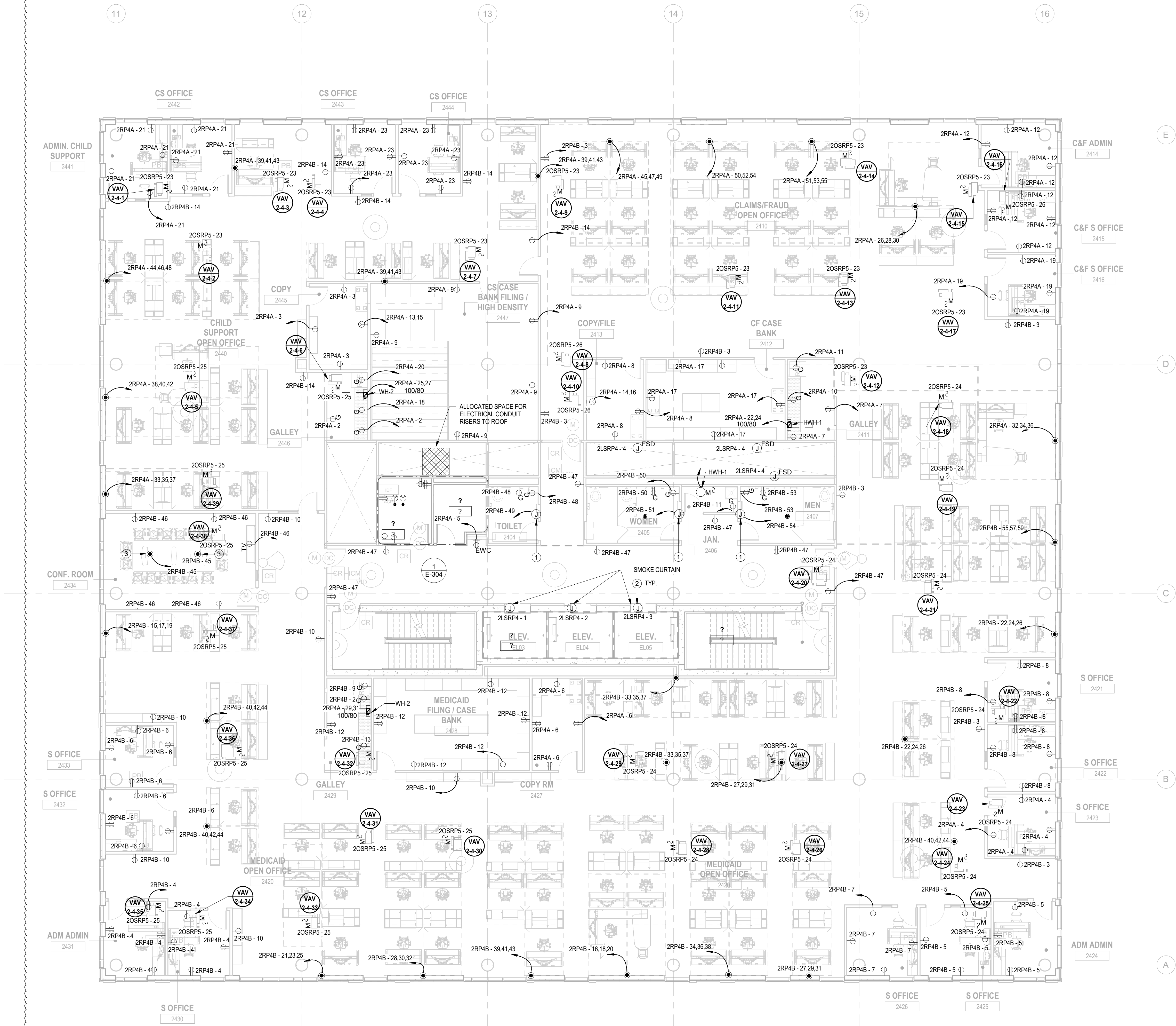


1 BUILDING NO.2 - LEVEL 2 - ELECTRICAL POWER PLAN E-112 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"

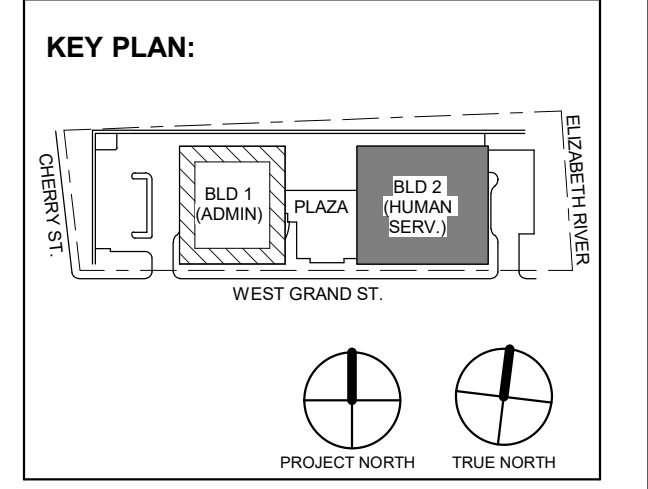
ELECTRICAL KEYNOTE	
Key Value	Keynote Text
1	E.C. SHALL COORDINATE PROPOSED LOCATION OF A "FUTURE" HAND DRYER AND FURNISH AND INSTALL 3/4" CONDUIT WITH PULL STRING FROM EACH LOCATION BACK TO ELECTRICAL ROOM.
2	SMOKE CURTAINS SHALL BE TIED INTO FIRE ALARM SYSTEM. E.C. SHALL INCLUDE IN THEIR BID SCOPE RELATED WITH INTERFACE, WIRING AND NECESSARY ACCESSORIES FOR FULLY FUNCTIONAL OPERATION & INTEGRATION.
3	E.C. SHALL FURNISH AND INSTALL LEGRAND EVOLUTION SERIES FIRE RATED 8" POKE THRU WITH (2) QUADPLEX RECEPTACLES, DATA & AV OUTLET DEVICES. COORDINATE DATA & AV DEVICE REQUIREMENTS WITH LOW VOLTAGE CONSULTANT. COORDINATE COLOR AND FINISHES WITH ARCHITECT & INTERIOR DESIGNER.

GENERAL POWER PLAN NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
- REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
- CONTRACTOR SHALL REFER TO AUDIO VISUAL DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUIT, POWER CONDUITS, ETC.
- CONTRACTOR SHALL REFER TO SECURITY DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, SECURITY SLEEVES, CONDUITS, ETC.
- CONTRACTOR SHALL REFER TO TELECOMMUNICATION DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, ETC.
- CONTRACTOR SHALL FURNISH AND INSTALL FLOOR BOXES WHERE INDICATED ON DRAWINGS, SIZE AS REQUIRED TO ACCOMMODATE ALL POWER, AV, DATA CONNECTIONS, ETC.



JOHN CHRIS MORRIS III, P.E.
 NJ PROFESSIONAL ENGINEER (No. 348888888)
 DESIGNER BY: NJA
 DRAWN BY: NJA
 CHECKED BY: SGS
 REVIEWED BY: JCM
 PROJECT NO: DIGA2301
 DATE: 11/08/2023
 SCALE: AS SHOWN



1	12/01/2023	Addendum No. 01
	11/08/2023	For Public Bid
No.	Date	Description
		Revisions / Issues

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
 2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Veneziat, AIA
 NJ RA AI 00827100

PRELIMINARY
 NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT COMPLEX
 81 & 83 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 20.072
 Date: 11/08/2023
 Drawn By: JBA/VPC
 Checked By: JM/SH

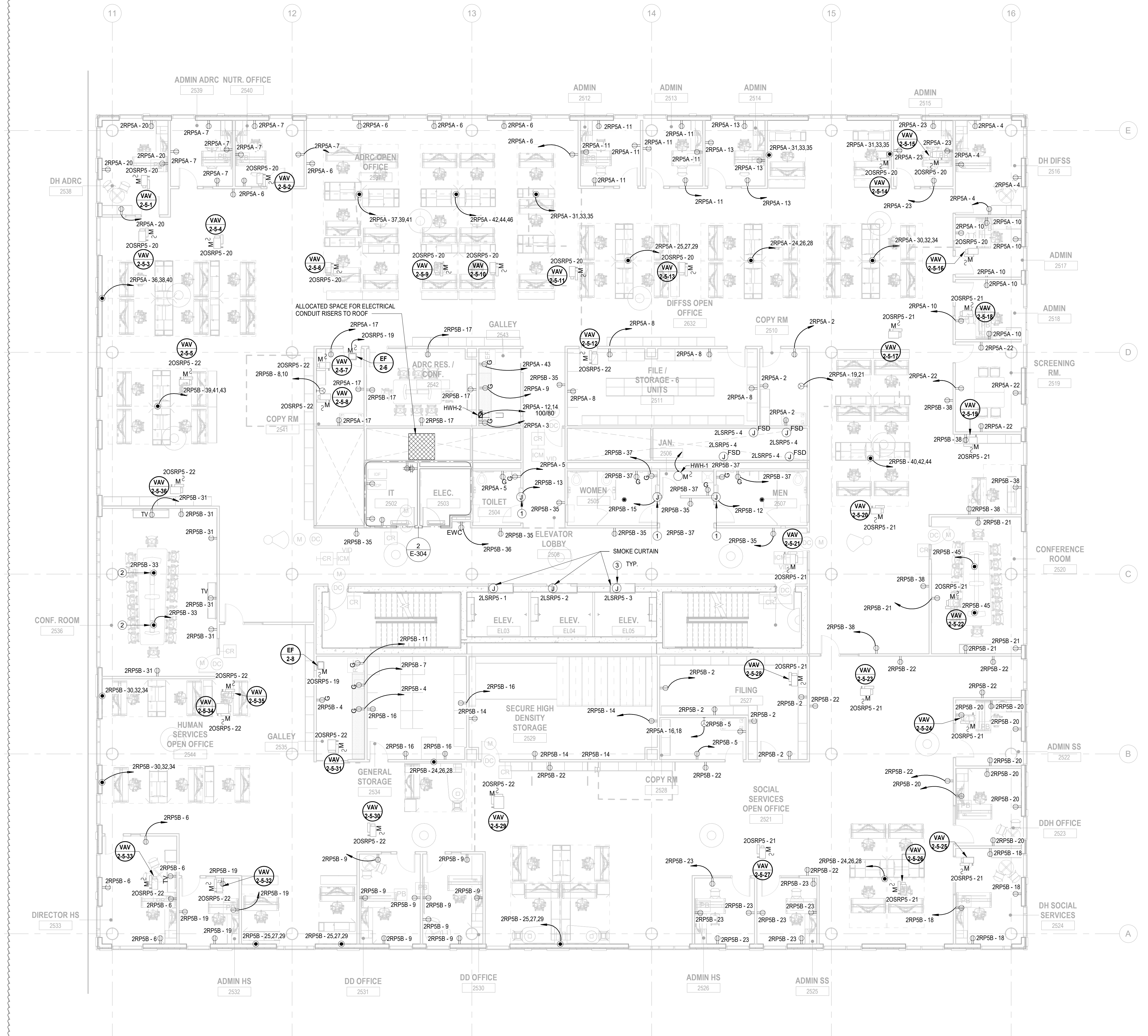
Sheet Name:
 BUILDING NO. 2 - LEVEL 4 - ELECTRICAL POWER PLAN

Sheet No:
E-114

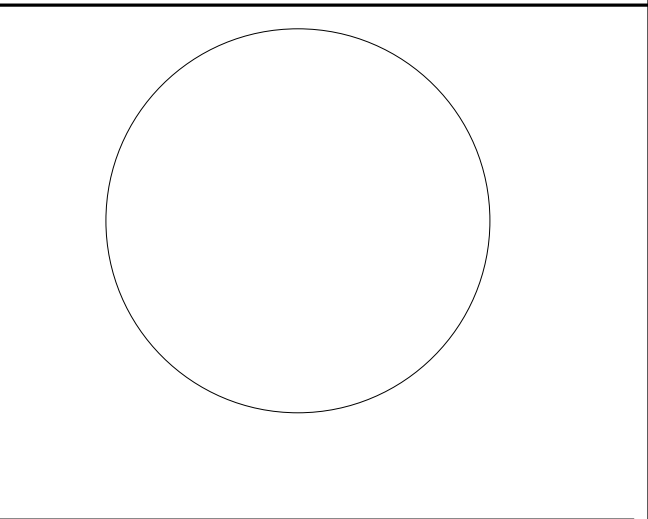
ELECTRICAL KEYNOTE	
Key Value	Keynote Text
1	E.C. SHALL COORDINATE PROPOSED LOCATION OF A "FUTURE" HAND DRYER AND FURNISH AND INSTALL 3/4" CONDUIT WITH PULL STRING FROM EACH LOCATION BACK TO ELECTRICAL ROOM.
2	E.C. SHALL FURNISH AND INSTALL LEGRAND EVOLUTION SERIES FIRE RATED 8" POKE THRU WITH (2) QUADRAPLEX RECEPTACLES, DATA & AV OUTLET DEVICES. COORDINATE DATA & AV DEVICE REQUIREMENTS WITH LOW VOLTAGE CONSULTANT. COORDINATE COLOR AND FINISHES WITH ARCHITECT & INTERIOR DESIGNER.
3	SMOKE CURTAINS SHALL BE TIED INTO FIRE ALARM SYSTEM. E.C. SHALL INCLUDE IN THEIR BID SCOPE RELATED WITH INTERFACE, WIRING AND NECESSARY ACCESSORIES FOR FULLY FUNCTIONAL OPERATION & INTEGRATION.

GENERAL POWER PLAN NOTES:

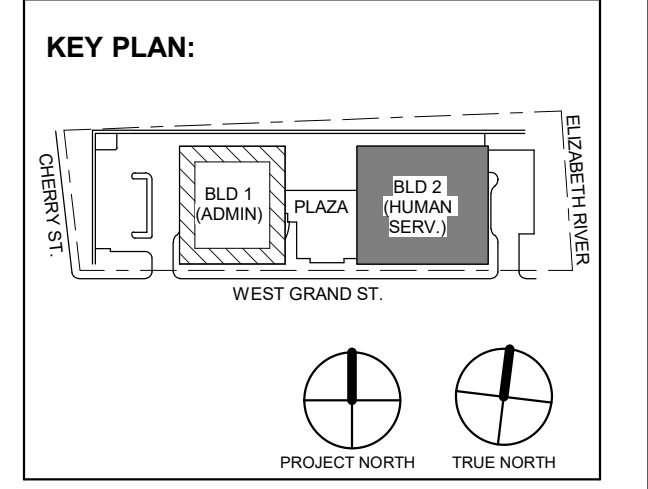
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
- REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
- CONTRACTOR SHALL REFER TO AUDIO VISUAL DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUIT, POWER CONDUITS, ETC.
- CONTRACTOR SHALL REFER TO SECURITY DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, SECURITY SLEEVES, CONDUITS, ETC.
- CONTRACTOR SHALL REFER TO TELECOMMUNICATION DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, ETC.
- CONTRACTOR SHALL FURNISH AND INSTALL FLOOR BOXES WHERE INDICATED ON DRAWINGS, SIZE AS REQUIRED TO ACCOMMODATE ALL POWER, AV, DATA CONNECTIONS, ETC.



1 BUILDING NO. 2 - LEVEL 5 - ELECTRICAL POWER PLAN
 E-115 SCALE: 1/8" = 1'-0"
 SCALE BAR: 1/8"=1'-0"



JOHN CHRIS MORRIS III, P.E.
 ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ELECTRICAL ENGINEER OR AN AUTHORIZED REPRESENTATIVE OF THE ENGINEER OF RECORD.
 DESIGNED BY: NJA DRAWN BY: JBA/AVPC CHECKED BY: JMSH REVIEWED BY: JMSH
 PROJECT No.: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



1	12/01/2023	Addendum No. 01
	11/08/2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
 2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT COMPLEX
 81 & 83 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No.: 20.072
 Date: 11/08/2023
 Drawn By: JBA/AVPC
 Checked By: JMSH

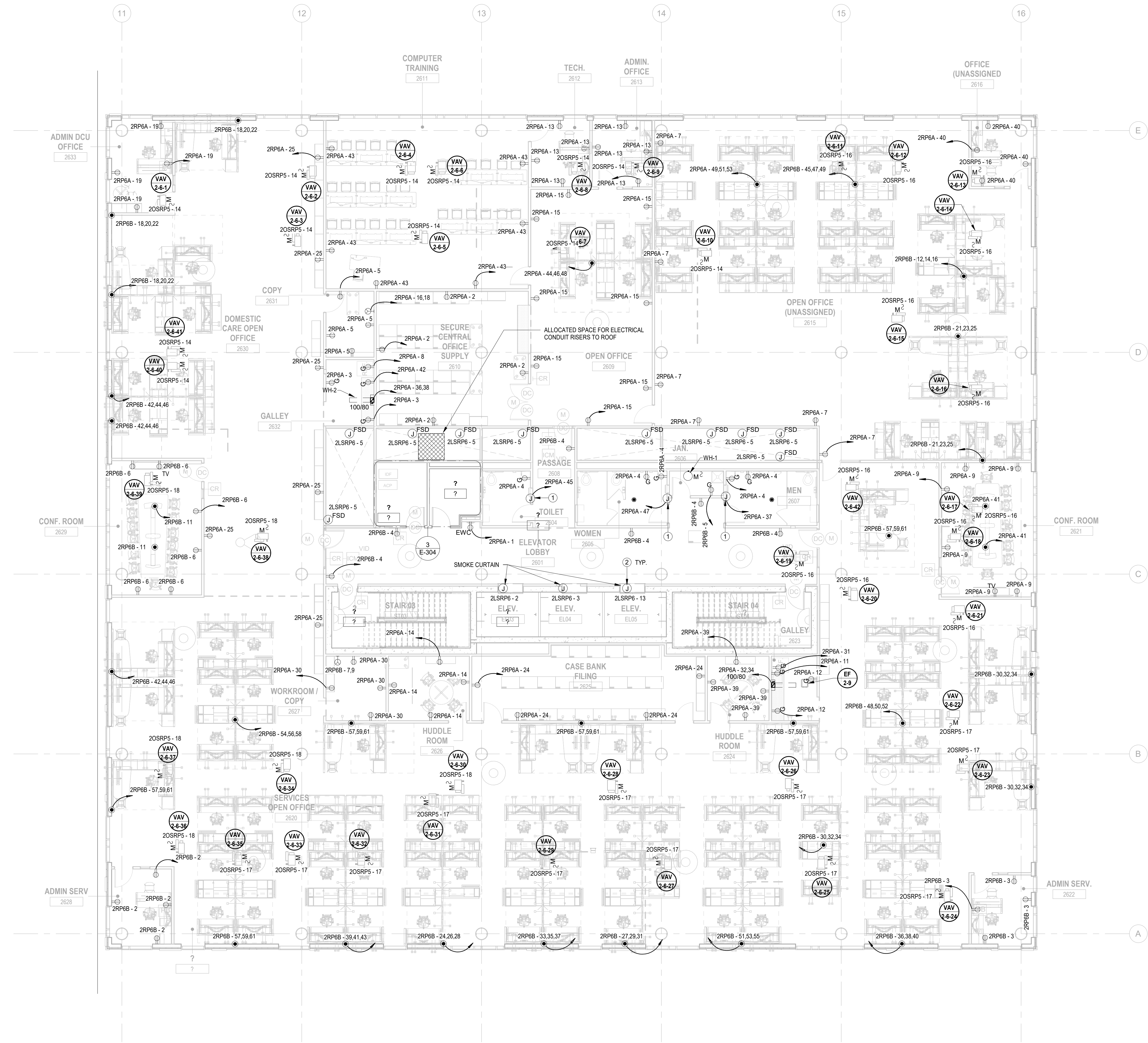
Sheet Name:
 BUILDING NO. 2 - LEVEL 5 - ELECTRICAL POWER PLAN

Sheet No.:
E-115

ELECTRICAL KEYNOTE	
Key Value	Keynote Text
1	E.C. SHALL COORDINATE PROPOSED LOCATION OF A 'FUTURE' HAND DRYER AND FURNISH AND INSTALL 3/4" CONDUIT WITH PULL STRING FROM EACH LOCATION BACK TO ELECTRICAL ROOM.
2	SMOKE CURTAINS SHALL BE TIED INTO FIRE ALARM SYSTEM. E.C. SHALL INCLUDE IN THEIR BID SCOPE RELATED WITH INTERFACE, WIRING AND NECESSARY ACCESSORIES FOR FULLY FUNCTIONAL OPERATION & INTEGRATION.

GENERAL POWER PLAN NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
- REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
- CONTRACTOR SHALL REFER TO AUDIO VISUAL DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUIT, POWER CONDUITS, ETC.
- CONTRACTOR SHALL REFER TO SECURITY DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, SECURITY SLEEVES, CONDUITS, ETC.
- CONTRACTOR SHALL REFER TO TELECOMMUNICATION DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, ETC.
- CONTRACTOR SHALL FURNISH AND INSTALL FLOOR BOXES WHERE INDICATED ON DRAWINGS, SIZE AS REQUIRED TO ACCOMMODATE ALL POWER, AV, DATA CONNECTIONS, ETC.

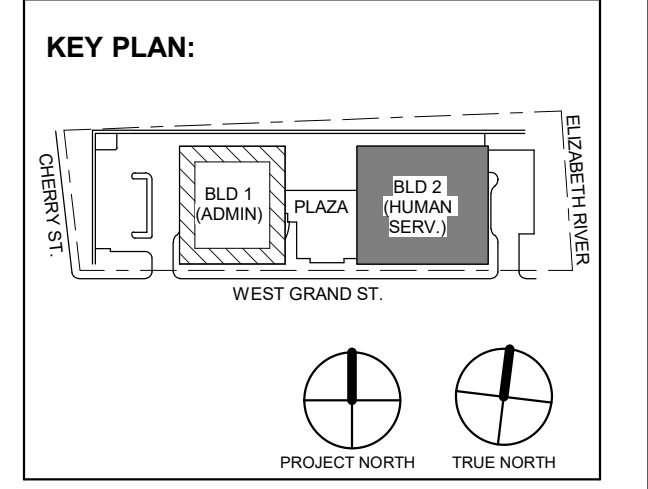


1 BUILDING NO.2 - LEVEL 6 - ELECTRICAL POWER PLAN
 E-116 SCALE: 1/8" = 1'-0"
 SCALE BAR: 1/8"=1'-0"

H2M Associates, Inc.
 119 Cherry Hill Road, Suite 110
 Parsippany, NJ 07054
 862.207.5500 www.h2m.com
 NJ Landscape Architecture Certificate No.: 21MH0010330
 NJ Engineering Certificate of Authorization No.: 24GA26019100

JOHN CHRIS MORRIS III, P.E.
 NJ PROFESSIONAL ENGINEER (LICENSE NO. 348888888)

DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
NJA	NJA	SGS	JCM
PROJECT No:	DATE:	SCALE:	
DIG2301	11/08/2023	AS SHOWN	



1	12/01/2023	Addendum No. 01
	11/08/2023	For Public Bid
No.	Date	Description
		Revisions / Issues

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
 2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA AI 00827100

PRELIMINARY
 NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT COMPLEX
 81 & 83 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 20.072
 Date: 11/08/2023
 Drawn By: JBA/VPC
 Checked By: JM/SH

Sheet Name:
 BUILDING NO. 2 - LEVEL 6 - ELECTRICAL POWER PLAN

Sheet No:
E-116

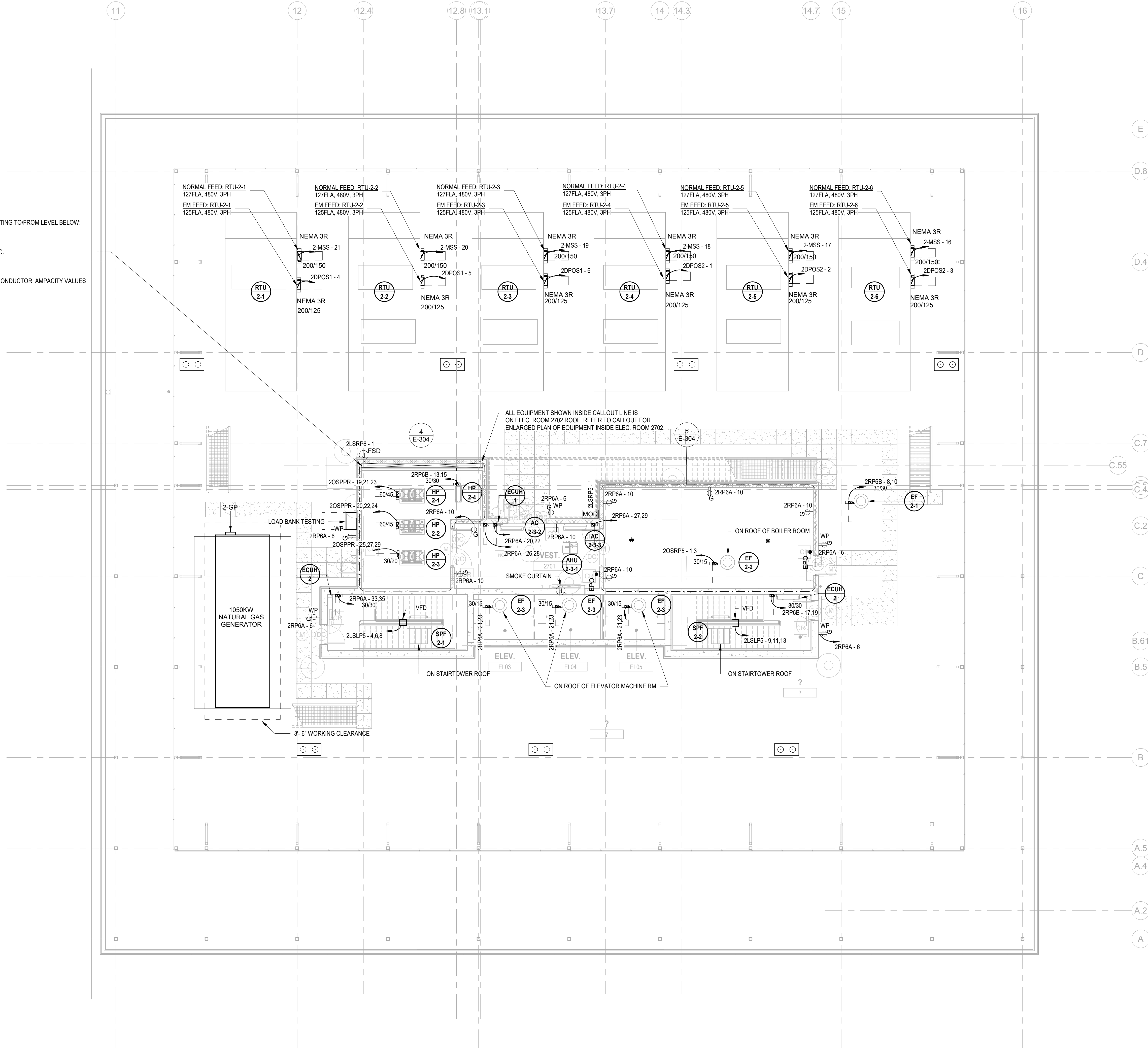
Key Value	ELECTRICAL KEYNOTE	Keynote Text

H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 - www.h2m.com
NJ Landscape Architecture Certificate No.: 246A26019100
NJ Engineering Certificate of Authorization No.: 246A26019100

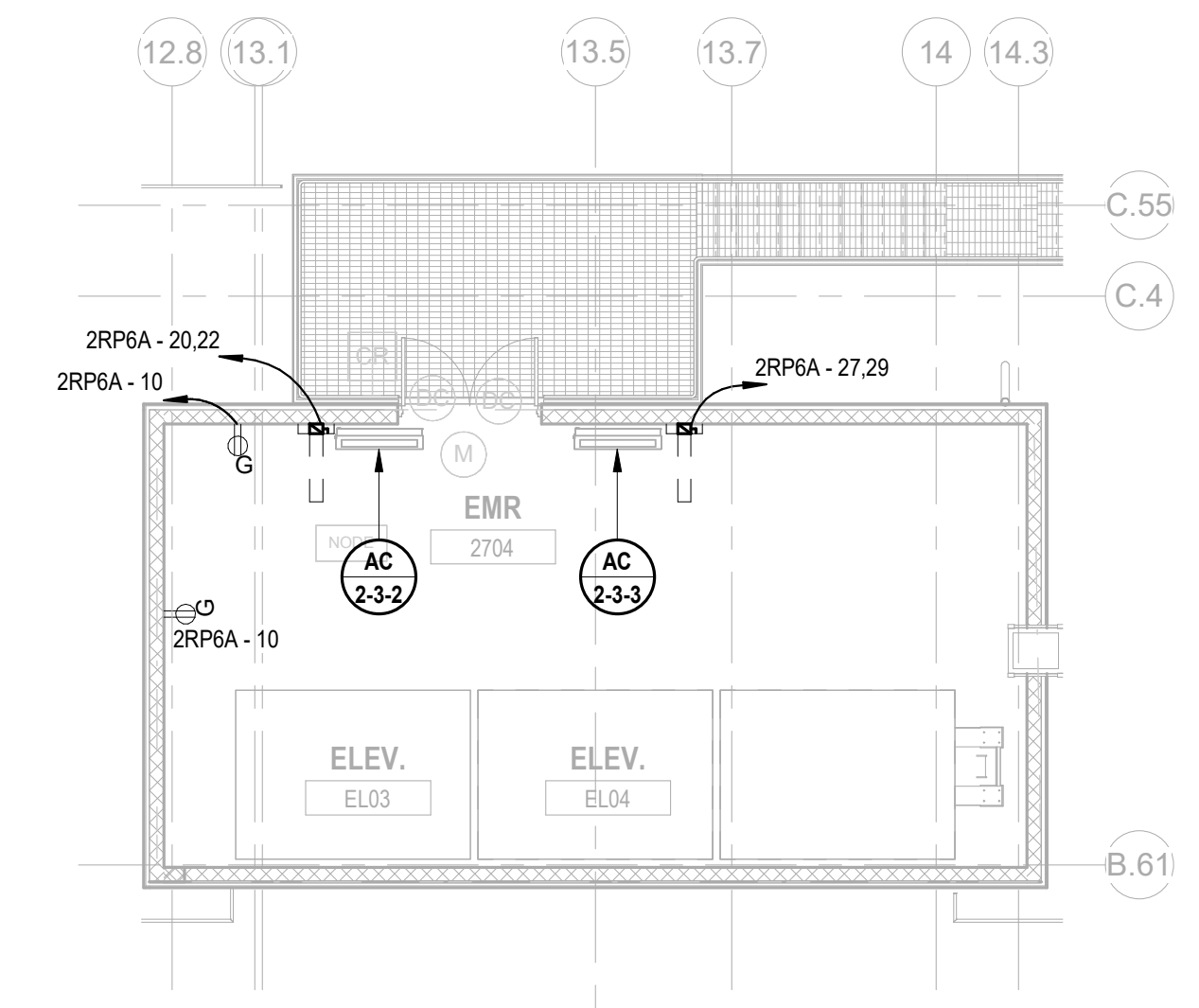
GENERAL POWER PLAN NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
- REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
- CONTRACTOR SHALL REFER TO AUDIO VISUAL DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUIT, POWER CONDUITS, ETC.
- CONTRACTOR SHALL REFER TO SECURITY DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, SECURITY SLEEVES, CONDUITS, ETC.
- CONTRACTOR SHALL REFER TO TELECOMMUNICATION DRAWINGS BY UNIFIED TECHNOLOGIES CORP. FOR ADDITIONAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C. THIS INCLUDES, BUT IS NOT LIMITED TO, LOW VOLTAGE JUNCTION BOXES, LOW VOLTAGE CONDUITS, DATA CONDUITS, ETC.
- CONTRACTOR SHALL FURNISH AND INSTALL FLOOR BOXES WHERE INDICATED ON DRAWINGS. SIZE AS REQUIRED TO ACCOMMODATE ALL POWER, AV, DATA CONNECTIONS, ETC.

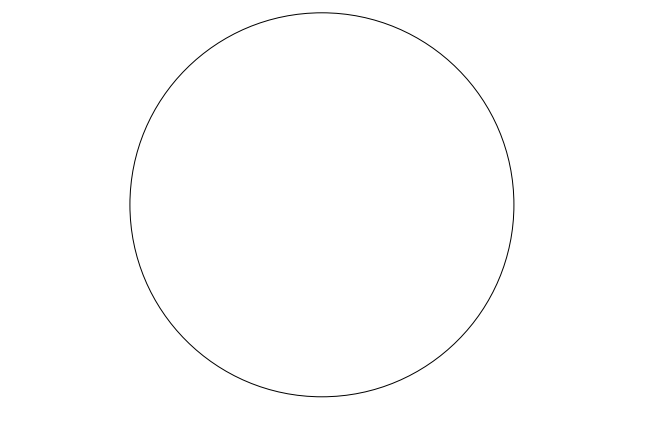
VERTICAL SHAFT FOR EMERGENCY & NORMAL POWER FEEDERS ROUTING TO/FROM LEVEL BELOW:
FIRE PUMP, (3) #6 & (1) #10 GRD - MI CABLES
TO GENERATOR DOCKING STATION; (4) PARALLEL SETS OF 4" C.
LIFE SAFETY: (1) #2 & (1) #6 GRD; (4) #4 & (1) #6 GRD - MI CABLES
LEGALLY REQUIRED & OPTIONAL STAND-BY: (2) 2" C, (1) 1-1/2" C, & (1) 1" C.
NORMAL POWER: (1) 4" C.
(6) 3" C.
(1) 2" C.
*MI CABLES WIRE SIZES ARE BASED ON NENT, P/PROTENAX SINGLE CONDUCTOR AMPACITY VALUES



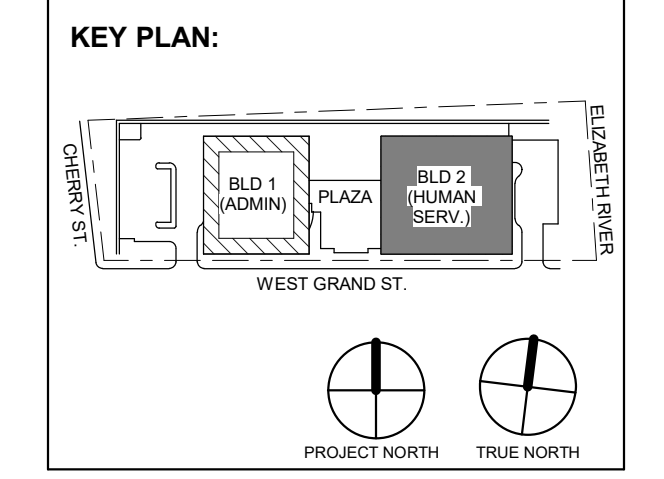
1 BUILDING NO.2 - ROOF - ELECTRICAL POWER PLAN
E-117 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"



2 BUILDING NO.2 - LEVEL 7 - ELEVATOR MACHINE ROOM
E-117 SCALE: 1/8" = 1'-0"



JOHN CHRIS MORRIS III, P.E.
NJ PROFESSIONAL ENGINEER (No. 348888888)
DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature] REVIEWED BY: [Signature]
PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



No.	Date	Description
1	12/01/2023	Addendum No. 01
	11/08/2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 03827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11/08/2023
Drawn By: JBA/WPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 2 - ROOF - ELECTRICAL POWER PLAN

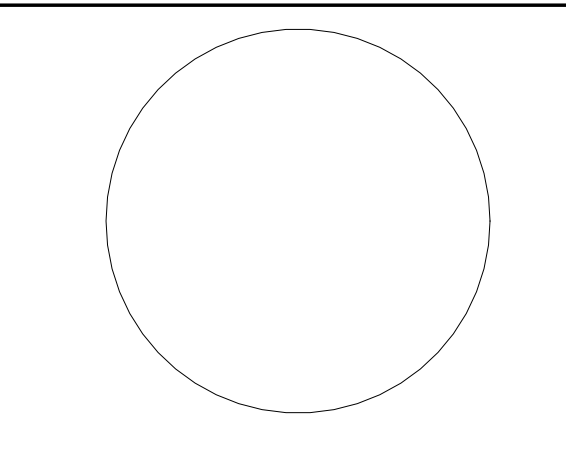
Sheet No:
E-117

- GENERAL LIGHTING NOTES:**
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
 2. REFER TO SHEET E-200 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
 3. E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES.
 4. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS.
 5. ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE UL LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.
 6. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED.
 7. E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

- LIGHTING CONTROLS NOTES:**
- THE GOALS ARE TO:**
- MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE, REQUIREMENTS.
 - TYPES OF LIGHTING CONTROLS BY AREA:
 - COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS:
 - THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE.
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF THE "TIME OF DAY" CONTROL) ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON".
 - WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.

- MEETING ROOMS AND CONFERENCE ROOMS:**
- CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF".
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS):
 - PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF".
 - OFFICE:
 - PROVIDE OCCUPANCY/VACANCY SENSOR.
 - PROVIDE DAYLIGHTING CONTROL, AS REQUIRED.

- JANITOR CLOSETS AND OTHER SMALL CLOSETS:**
- PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED VACANCY/OCCUPANCY SENSOR.
 - EXTERIOR BUILDING MOUNTED LIGHTING
 - THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL "ON", AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.
 - SITE LIGHTING
 - THE LIGHTING ZONE SHALL BE CONTROLLED BY PHOTOCELL "ON", AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.

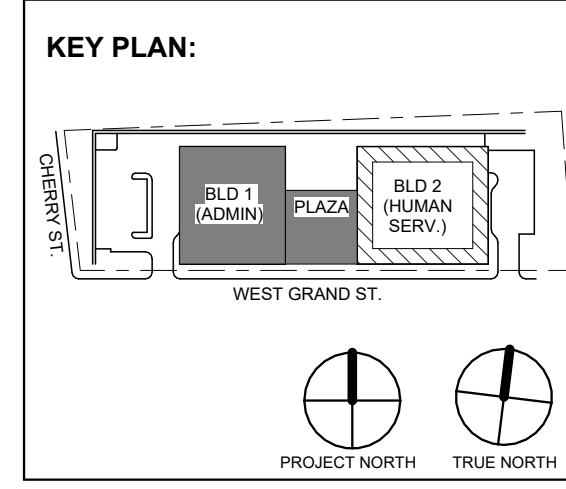


JOHN CHRIS MORRIS III, P.E.

ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL.

DESIGNED BY: JCM DRAWN BY: JCM CHECKED BY: JCM REVIEWED BY: JCM

PROJECT No: DGA2301 DATE: 11/08/2023 SCALE: AS SHOWN

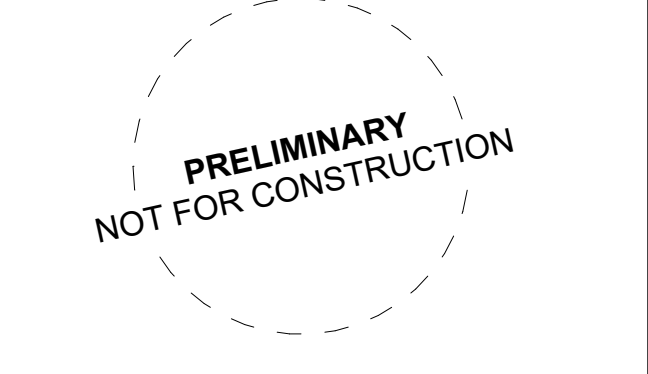


1	12/01/2023	Addendum No. 01
	11/08/2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DIGroupArchitecture ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

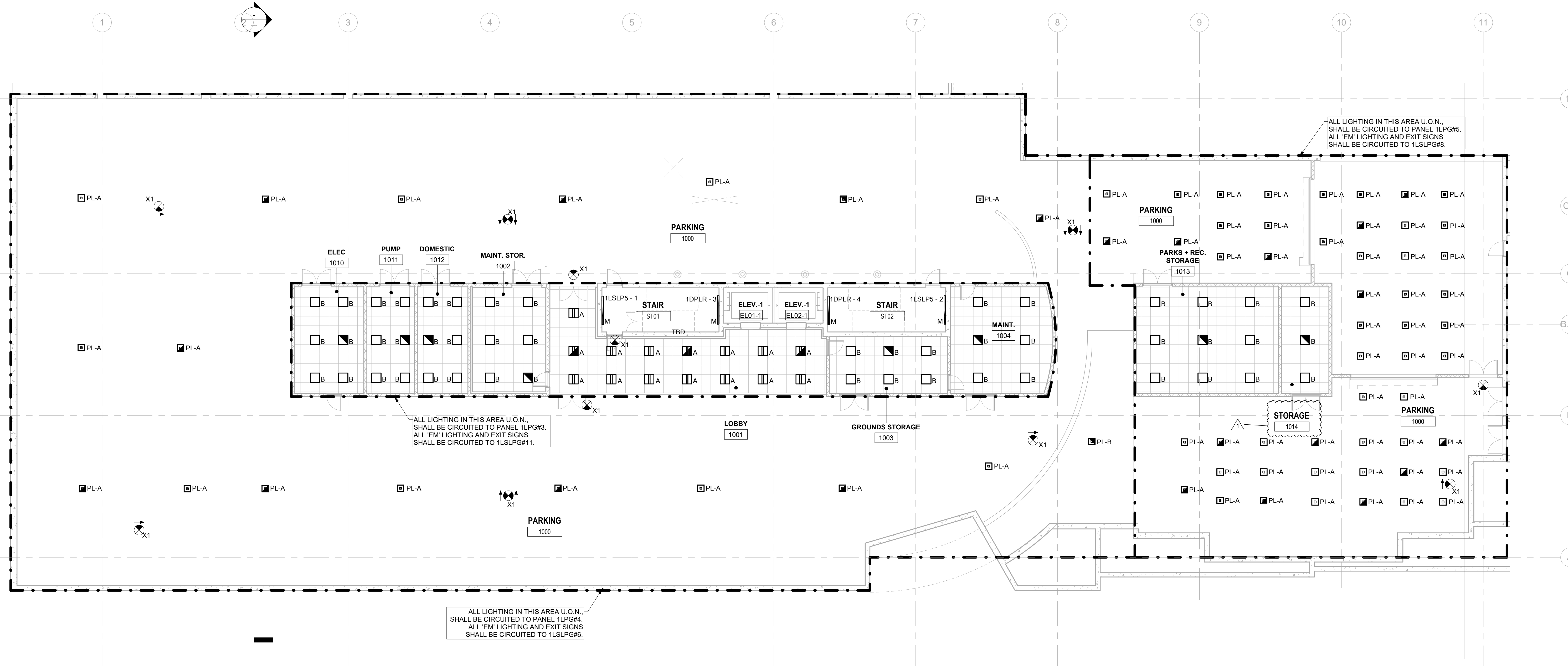
Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - LEVEL 0 - ELECTRICAL LIGHTING PLAN

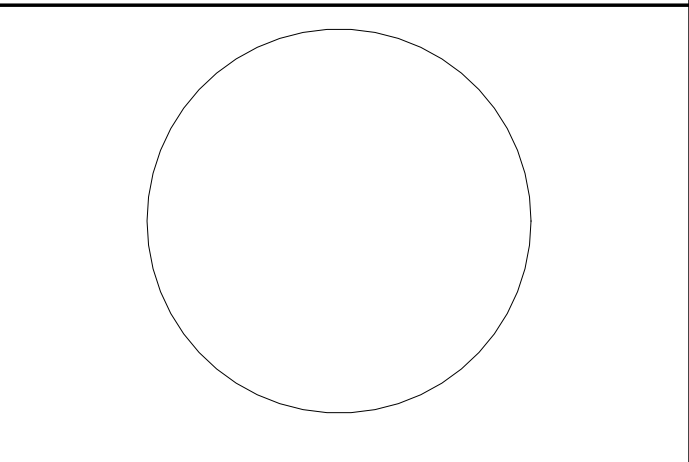
Sheet No: E-201



1 BUILDING NO. 1 - LEVEL 0 - ELECTRICAL LIGHTING PLAN E-201 SCALE: 3/32" = 1'-0" SCALE BAR: 3/32"=1'-0"

- GENERAL LIGHTING NOTES:**
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
 - REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
 - E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES.
 - INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS.
 - ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.
 - ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED.
 - E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

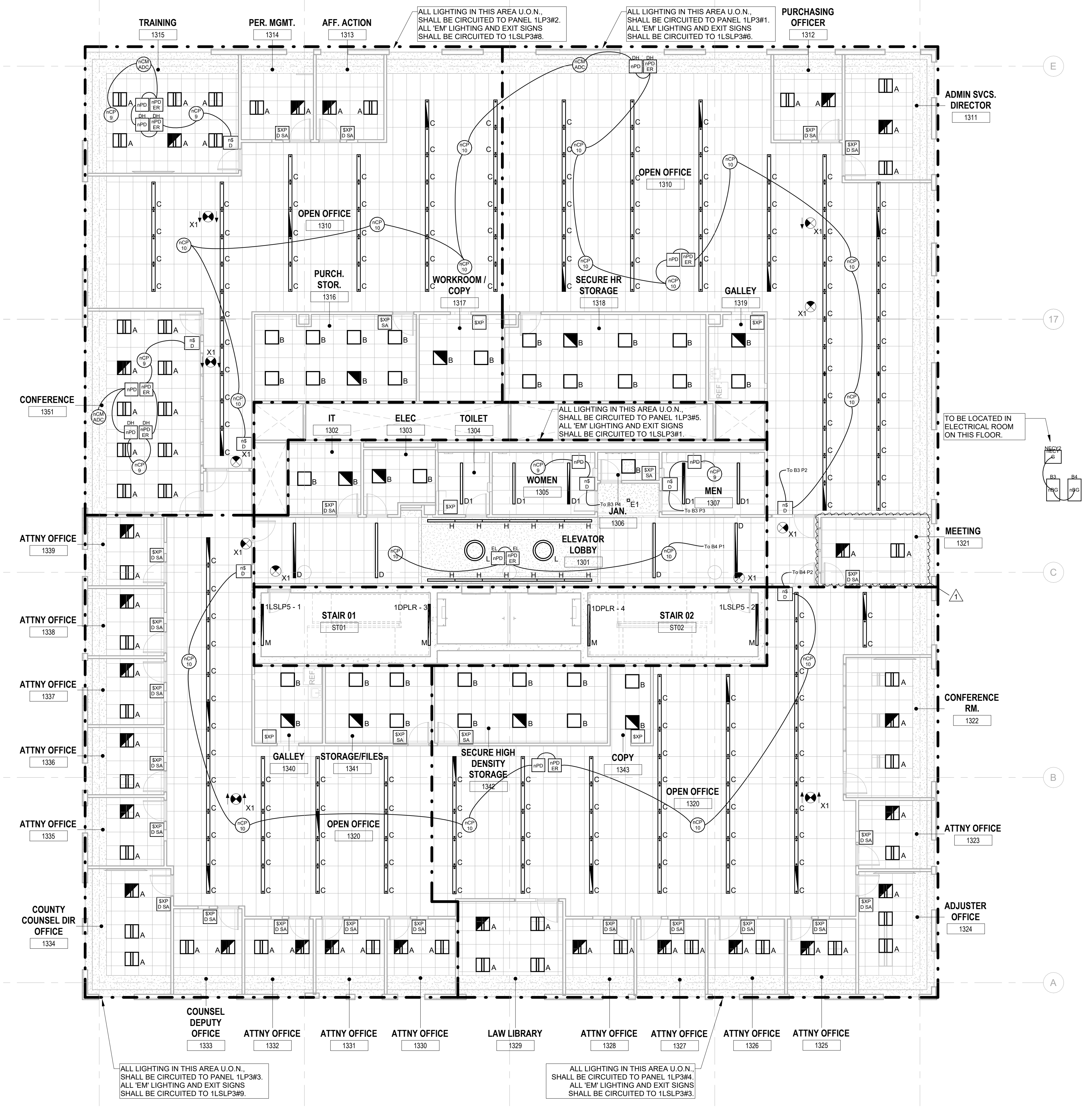
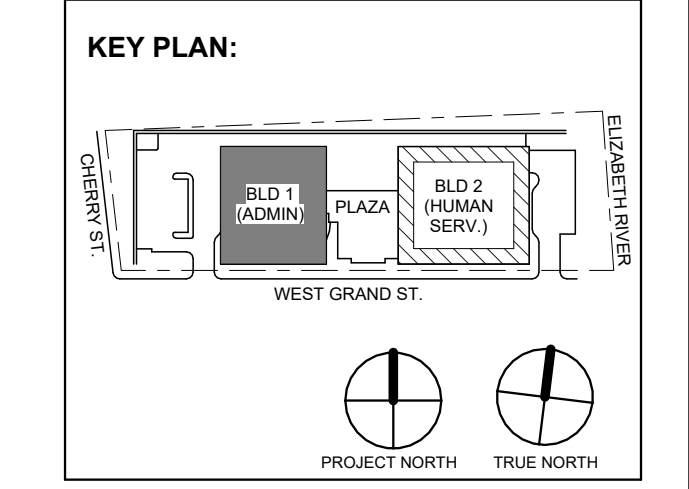
- LIGHTING CONTROLS NOTES:**
- THE GOALS ARE TO:**
- MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE, REQUIREMENTS.
 - TYPES OF LIGHTING CONTROLS BY AREA:
 - COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS:
 - THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE.
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF THE TIME OF DAY CONTROL) ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON".
 - WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.
 - MEETING ROOMS AND CONFERENCE ROOMS:
 - CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF".
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS):
 - PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF".
 - OFFICE:
 - PROVIDE OCCUPANCY/VACANCY SENSOR.
 - PROVIDE DAYLIGHTING CONTROL AS REQUIRED.
 - JANITOR CLOSETS AND OTHER SMALL CLOSETS:
 - PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED VACANCY/OCCUPANCY SENSOR.
 - EXTERIOR BUILDING MOUNTED LIGHTING:
 - THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PROTOCOL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.
 - SITE LIGHTING:
 - THE LIGHTING ZONE SHALL BE CONTROLLED BY PROTOCOL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.



JOHN CHRIS MORRIS III, P.E. NJ PROFESSIONAL ENGINEER License No. 36388666

THIS DRAWING IS NOT TO BE CONSIDERED AN OFFICIAL DOCUMENT UNLESS IT IS SIGNED AND SEALED BY THE ENGINEER OF RECORD.

DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
JUL	JUL	SGS	JCM
PROJECT No.	DATE	SCALE	
DIGA2301	11/08/2023	AS SHOWN	



1 BUILDING NO. 1 - LEVEL 3 - ELECTRICAL LIGHTING PLAN
 E-204 SCALE: 1/8" = 1'-0"
 SCALE BAR: 1/8"=1'-0"

1	12/01/2023	Addendum No. 01
	11/08/2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA #A1 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT COMPLEX
 81 & 83 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 20.072
 Date: 11.08.2023
 Drawn By: JBA/VP/C
 Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - LEVEL 3 - ELECTRICAL LIGHTING PLAN

Sheet No:
E-204

GENERAL LIGHTING NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL, LEGEND AND ABBREVIATIONS.
3. E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES.
4. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS.
5. ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE UL LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.
6. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED.
7. E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

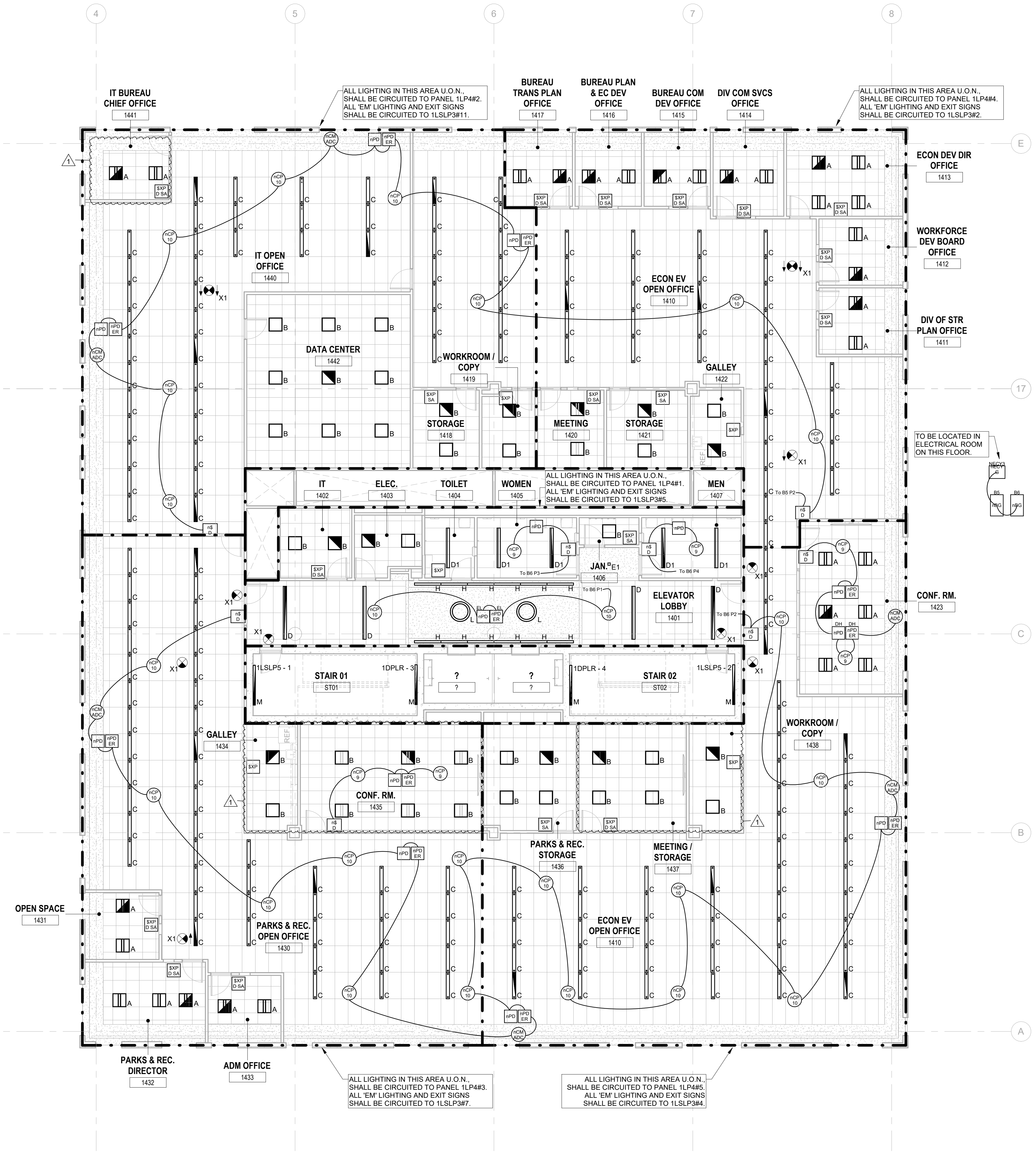
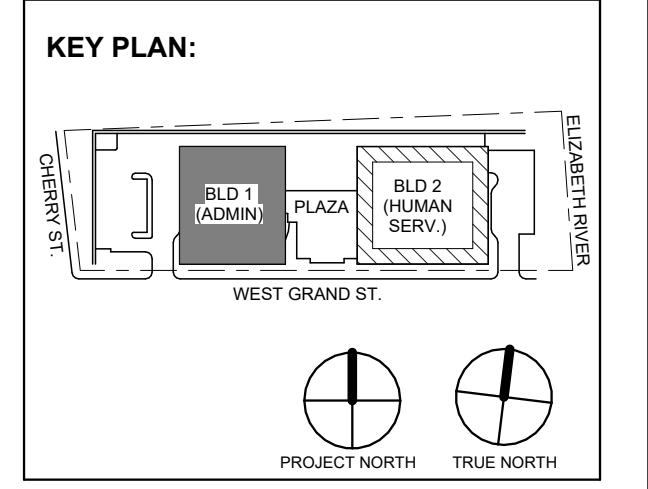
LIGHTING CONTROLS NOTES:

- THE GOALS ARE TO:
- MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE, REQUIREMENTS.
 - TYPES OF LIGHTING CONTROLS BY AREA:
 - COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS:
 - THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE.
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF THE TIME OF DAY CONTROL) ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON".
 - WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.
 - MEETING ROOMS AND CONFERENCE ROOMS:
 - CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF".
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS):
 - PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF".
 - OFFICE:
 - PROVIDE OCCUPANCY/VACANCY SENSOR.
 - PROVIDE DAYLIGHTING CONTROL AS REQUIRED.
 - JANITOR CLOSETS AND OTHER SMALL CLOSETS:
 - PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED VACANCY/OCCUPANCY SENSOR.
 - EXTERIOR BUILDING MOUNTED LIGHTING:
 - THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.
 - SITE LIGHTING:
 - THE LIGHTING ZONE SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.

JOHN CHRIS MORRIS III, P.E. NJ PROFESSIONAL ENGINEER License No. 36886666

DESIGNED BY: JML DRAWN BY: JML CHECKED BY: JML REVISIONS BY: JML

PROJECT No.: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



1 BUILDING NO. 1 - LEVEL 4 - ELECTRICAL LIGHTING PLAN E-205 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No.: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JMSH

Sheet Name: BUILDING NO. 1 - LEVEL 4 - ELECTRICAL LIGHTING PLAN

Sheet No.: E-205

GENERAL LIGHTING NOTES:

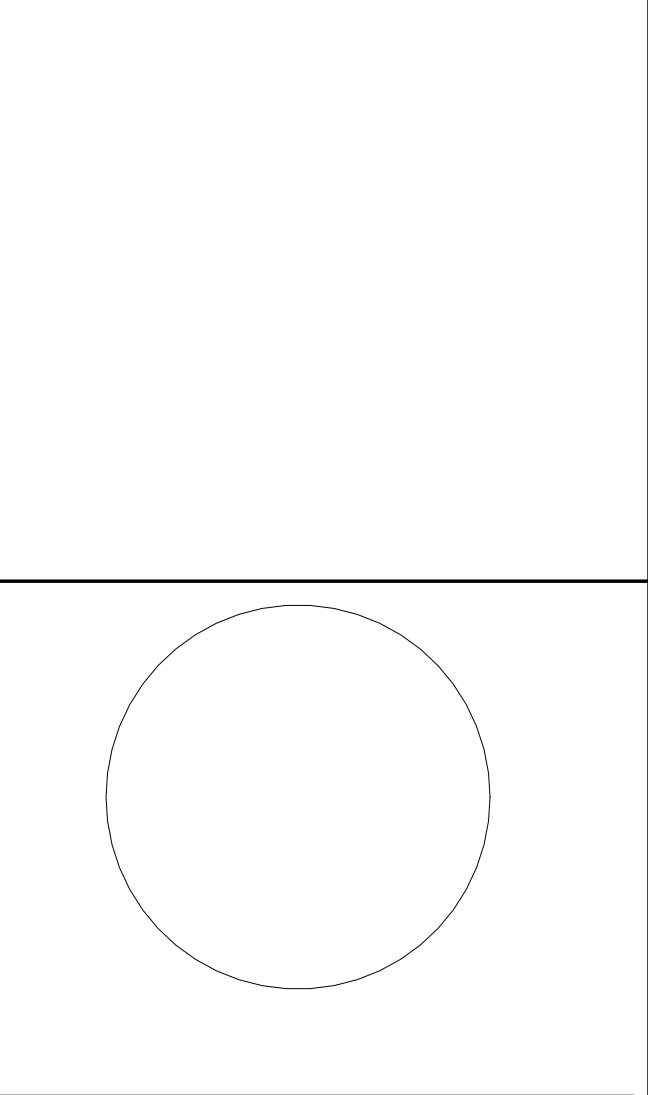
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
3. E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES.
4. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS.
5. ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE UL LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.
6. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED.
7. E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

LIGHTING CONTROLS NOTES:

- THE GOALS ARE TO:
- MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE, REQUIREMENTS.
 - TYPES OF LIGHTING CONTROLS BY AREA:
 - COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS:
 - THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE.
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF THE TIME OF DAY CONTROL) ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON".
 - WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.

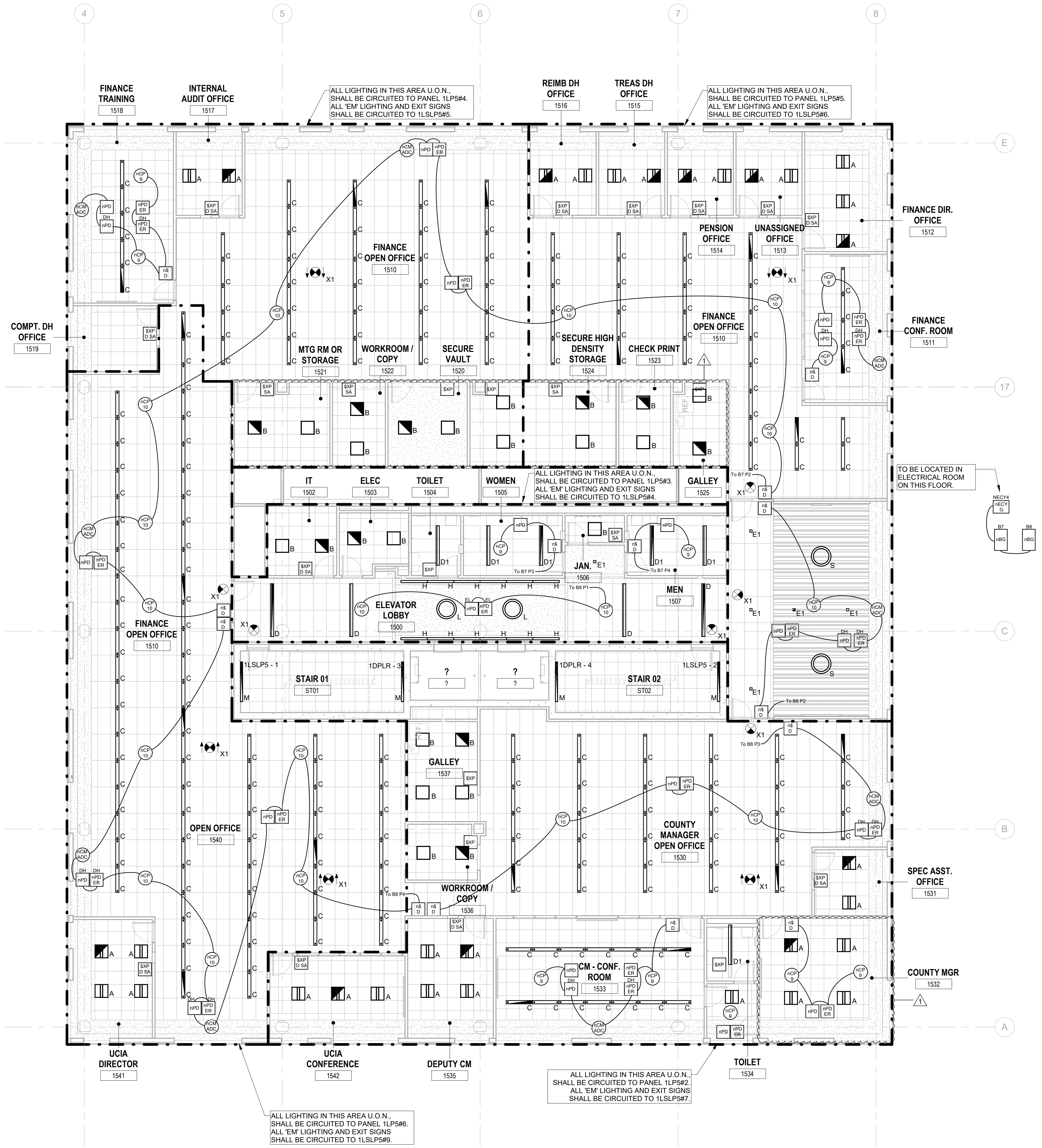
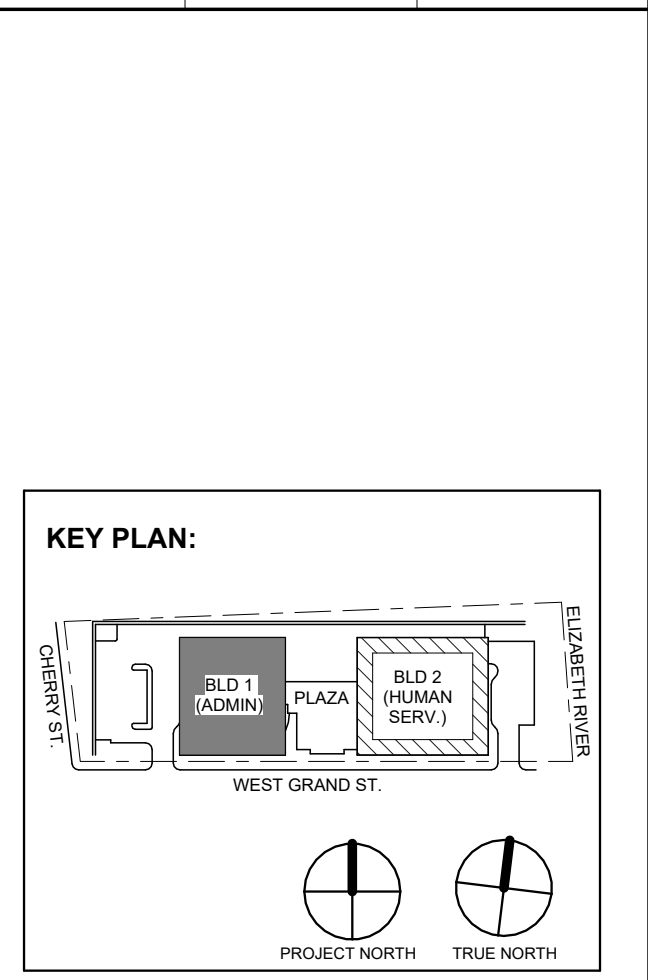
MEETING ROOMS AND CONFERENCE ROOMS:

- CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS.
- A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF".
- DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
- ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS):
 - PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF".
- OFFICE:
 - PROVIDE OCCUPANCY/VACANCY SENSOR.
 - PROVIDE DAYLIGHTING CONTROL AS REQUIRED.
- JANITOR CLOSETS AND OTHER SMALL CLOSETS:
 - PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSOR.
- EXTERIOR BUILDING MOUNTED LIGHTING
- THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.
- SITE LIGHTING
- THE LIGHTING ZONE SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.



JOHN CHRIS MORRIS III, P.E. NJ PROFESSIONAL ENGINEER License No. 36886666

DESIGNED BY	JUL	DRAWN BY	JUL	CHECKED BY	SGS	REVIEWED BY	JCM
PROJECT NO.	DIGA2301	DATE	11/08/2023	SCALE	AS SHOWN		



1 BUILDING NO. 1 - LEVEL 5 - ELECTRICAL LIGHTING PLAN
 E-206 SCALE: 1/8" = 1'-0"
 SCALE BAR: 1/8"=1'-0"

1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA #A 00827100

PRELIMINARY
 NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT COMPLEX
 81 & 83 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 20.072
 Date: 11.08.2023
 Drawn By: JBA/AVPC
 Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - LEVEL 5 - ELECTRICAL LIGHTING PLAN

Sheet No:
E-206

GENERAL LIGHTING NOTES:

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE. 2. REFER TO SHEET E-200 FOR PROJECT GENERAL NOTES, SYMBOLS, LEGEND AND ABBREVIATIONS. 3. E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES. 4. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS. 5. ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE UL LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. 6. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED. 7. E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

LIGHTING CONTROLS NOTES:

- THE GOALS ARE TO: MEET THE LOCALLY ADOPTED ENERGY CODE. INTERNATIONAL ENERGY CODE - REQUIREMENTS. TYPES OF LIGHTING CONTROLS BY AREA: COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS: THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE. DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION. OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF THE TIME OF DAY CONTROL), ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON". WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.

MEETING ROOMS AND CONFERENCE ROOMS:

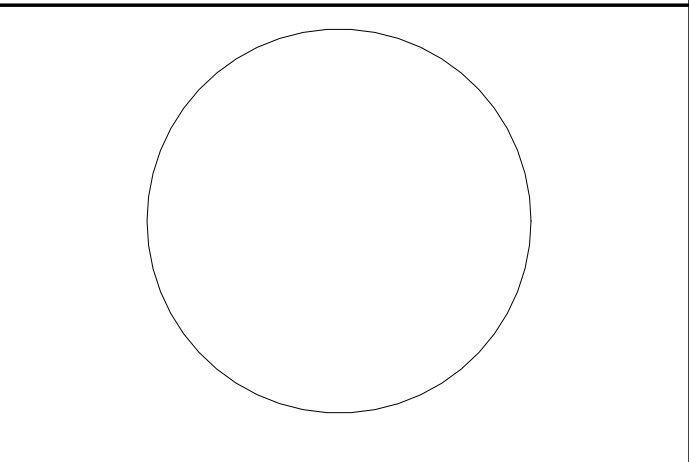
- CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS. A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF". DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION. ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS): PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS. A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF". OFFICE: PROVIDE OCCUPANCY/VACANCY SENSOR. PROVIDE DAYLIGHTING CONTROL, AS REQUIRED.

JANITOR CLOSETS AND OTHER SMALL CLOSETS:

- PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSOR. EXTERIOR BUILDING MOUNTED LIGHTING: THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.

SITE LIGHTING:

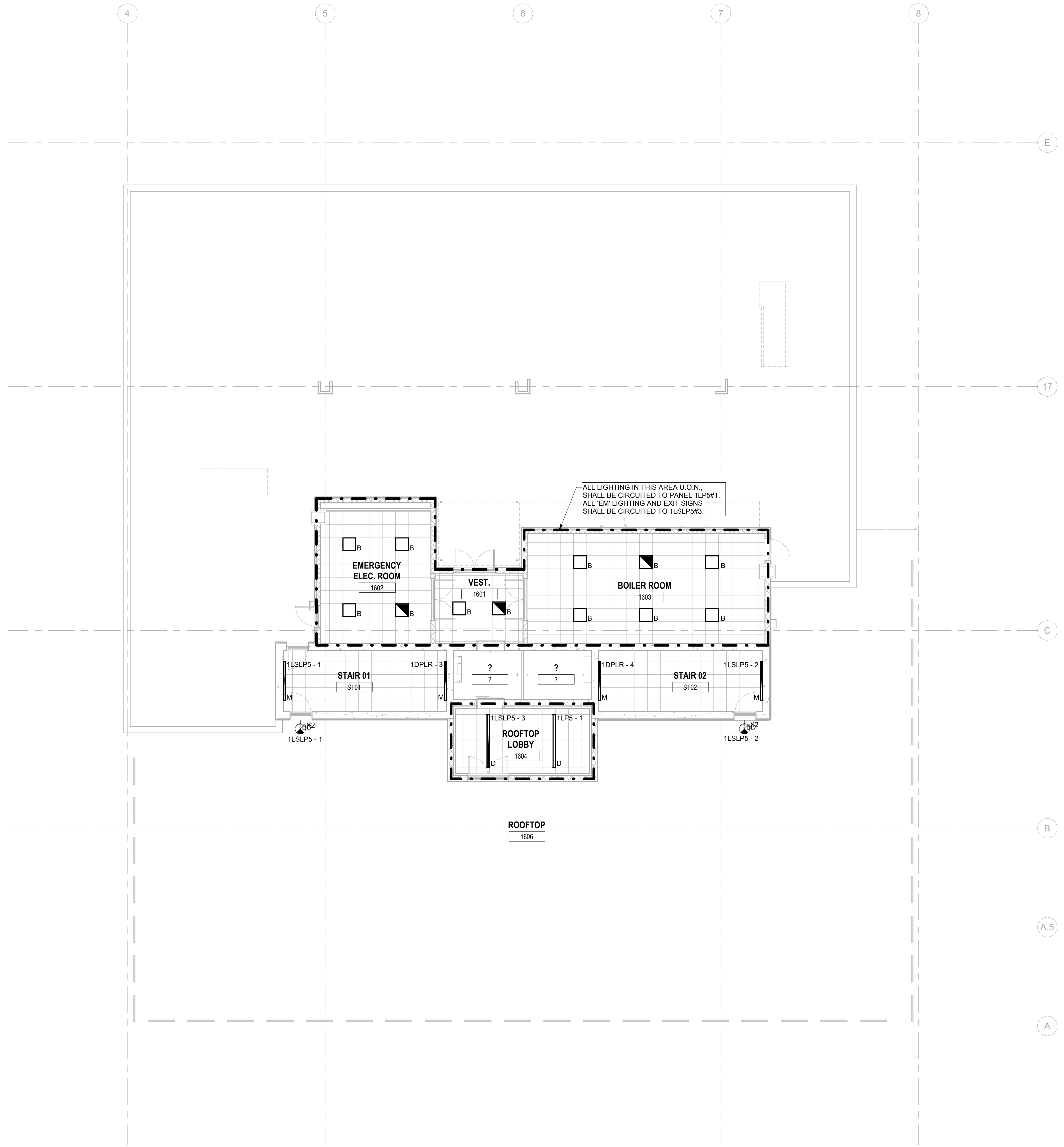
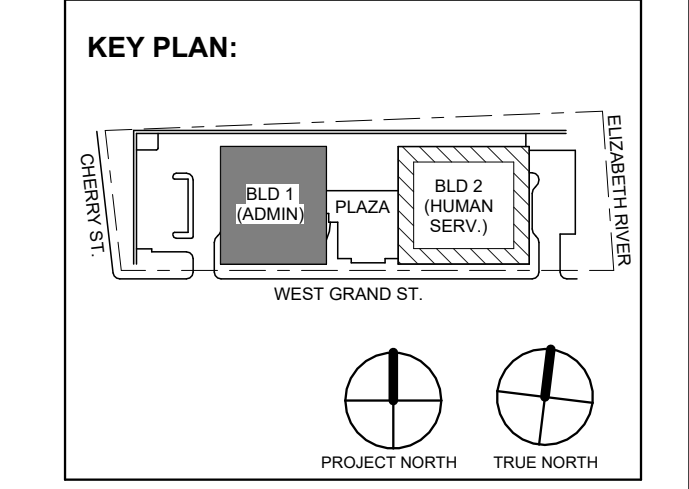
- THE LIGHTING ZONE SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.



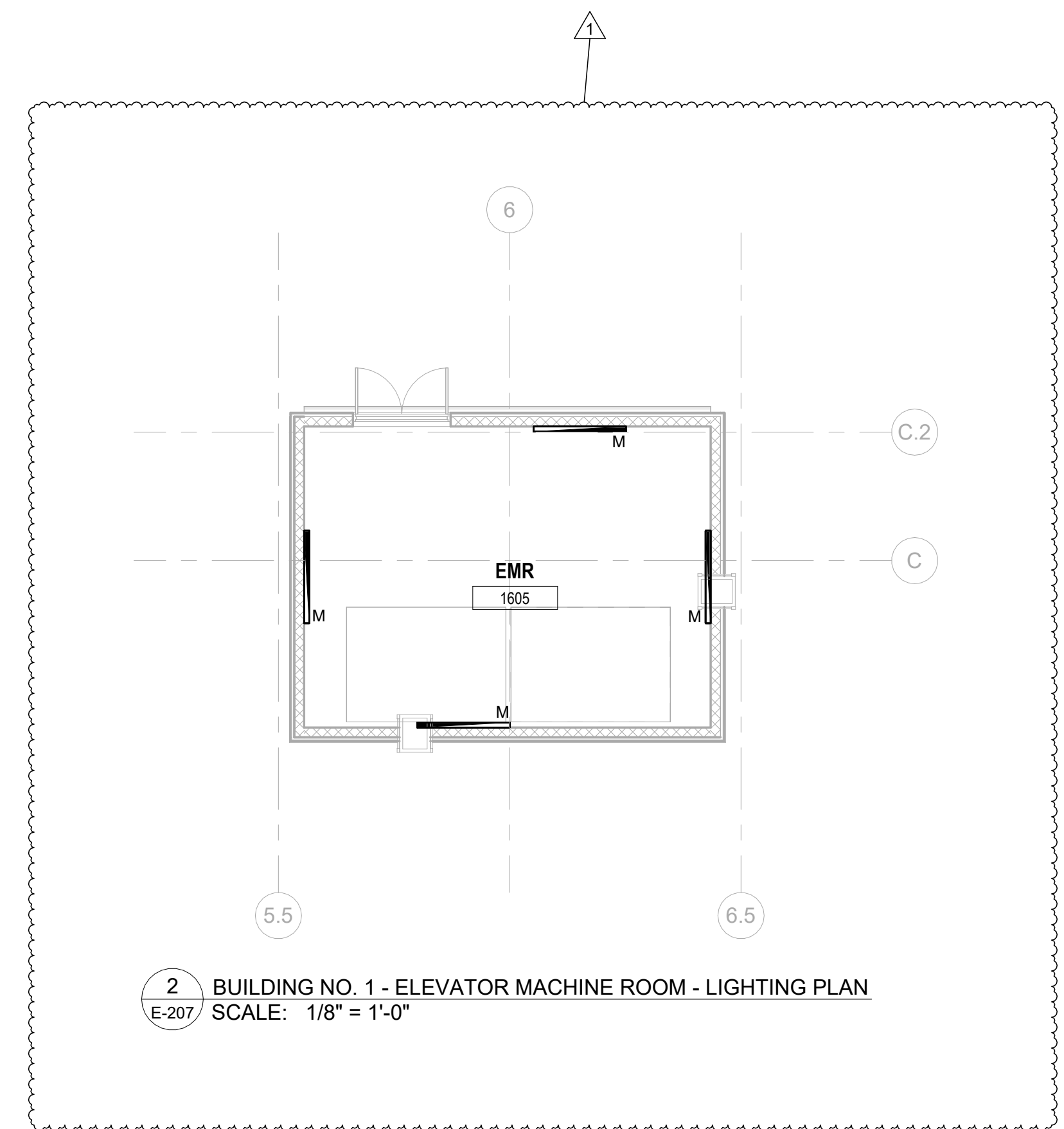
JOHN CHRIS MORRIS III, P.E.

ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLUSORY. THIS SEAL MAY BE CONSIDERED AN OFFICIAL DOCUMENT SUBJECT TO THE PENALTIES OF LAW.

Table with columns: DESIGNED BY (JUL), DRAWN BY (JUL), CHECKED BY (SGS), REVIEWED BY (JCM). Includes project number DIGA2301, date 11/08/2023, and scale AS SHOWN.



1 BUILDING NO. 1 - ROOF - ELECTRICAL LIGHTING PLAN SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"



2 BUILDING NO. 1 - ELEVATOR MACHINE ROOM - LIGHTING PLAN SCALE: 1/8" = 1'-0"

Revisions table with columns: No., Date, Description, Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

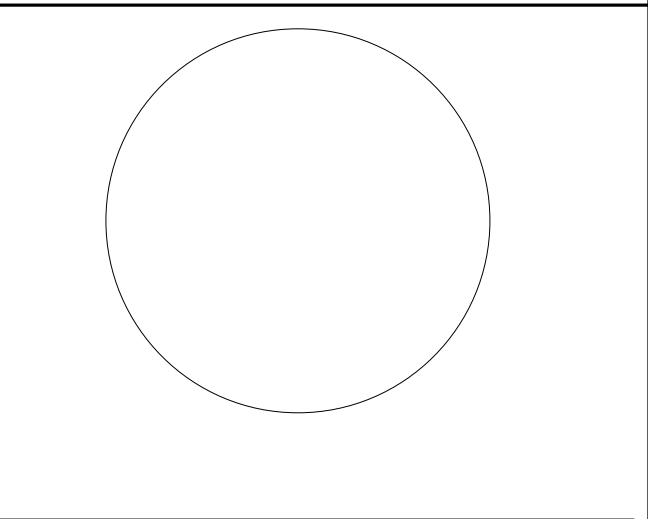
Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VP/PC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - ROOF - ELECTRICAL LIGHTING PLAN

Sheet No: E-207



JOHN CHRIS MORRIS III, P.E.

ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT.

DESIGNED BY: NJA DRAWN BY: NJA CHECKED BY: SGS REVIEWED BY: JCM

PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN

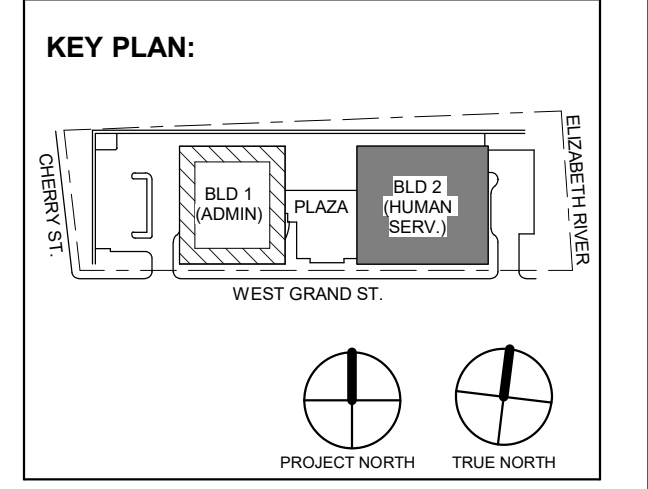


Table with 3 columns: No., Date, Description. Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/AVPC Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - LEVEL 0 - ELECTRICAL LIGHTING PLAN

Sheet No:

E-210

GENERAL LIGHTING NOTES:

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE. 2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS. 3. E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES. 4. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS. 5. ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE UL LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. 6. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED. 7. E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

LIGHTING CONTROLS NOTES:

THE GOALS ARE TO: MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE, REQUIREMENTS.

TYPES OF LIGHTING CONTROLS BY AREA:

- COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS: THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE. DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION. OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF THE TIME OF DAY CONTROL) ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON". WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.

MEETING ROOMS AND CONFERENCE ROOMS:

- CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS. A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF". DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.

ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS):

- PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS. A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF".

OFFICE:

- PROVIDE OCCUPANCY/VACANCY SENSOR. PROVIDE DAYLIGHTING CONTROL, AS REQUIRED.

JANITOR CLOSETS AND OTHER SMALL CLOSETS:

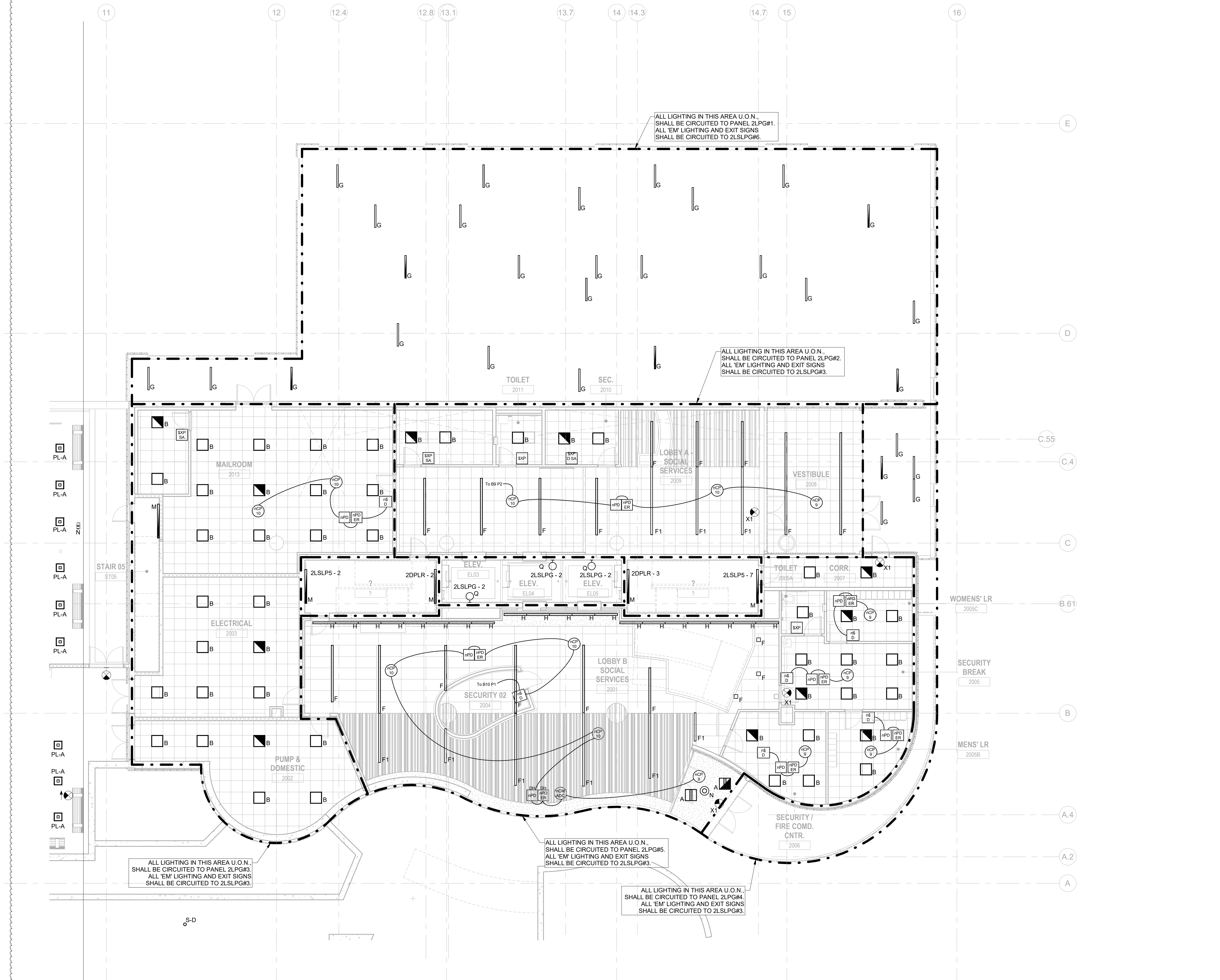
- PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED VACANCY/OCCUPANCY SENSOR.

EXTERIOR BUILDING MOUNTED LIGHTING:

- THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY "PHOTOCELL" "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.

SITE LIGHTING:

- THE LIGHTING ZONE SHALL BE CONTROLLED BY "PHOTOCELL" "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.



ALL LIGHTING IN THIS AREA U.O.N. SHALL BE CIRCUITED TO PANEL 2LPG#3. ALL 'EM' LIGHTING AND EXIT SIGNS SHALL BE CIRCUITED TO 2LSLPG#3.

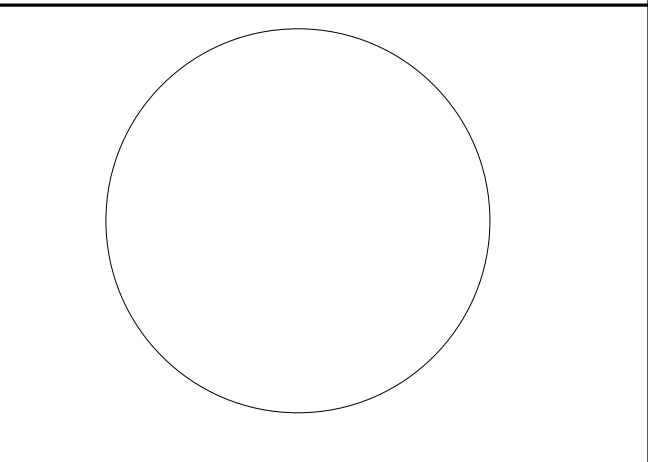
ALL LIGHTING IN THIS AREA U.O.N. SHALL BE CIRCUITED TO PANEL 2LPG#5. ALL 'EM' LIGHTING AND EXIT SIGNS SHALL BE CIRCUITED TO 2LSLPG#5.

ALL LIGHTING IN THIS AREA U.O.N. SHALL BE CIRCUITED TO PANEL 2LPG#4. ALL 'EM' LIGHTING AND EXIT SIGNS SHALL BE CIRCUITED TO 2LSLPG#4.

ALL LIGHTING IN THIS AREA U.O.N. SHALL BE CIRCUITED TO PANEL 2LPG#1. ALL 'EM' LIGHTING AND EXIT SIGNS SHALL BE CIRCUITED TO 2LSLPG#6.

ALL LIGHTING IN THIS AREA U.O.N. SHALL BE CIRCUITED TO PANEL 2LPG#2. ALL 'EM' LIGHTING AND EXIT SIGNS SHALL BE CIRCUITED TO 2LSLPG#3.

1 BUILDING NO. 2 - LEVEL 0 - ELECTRICAL LIGHTING PLAN E-210 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"



JOHN CHRIS MORRIS III, P.E.

ALTERNATE OF THIS DOCUMENT ACCEPTED BY LICENSED PROFESSIONAL ENGINEER

DESIGNED BY: NJA DRAWN BY: NJA CHECKED BY: SGS REVIEWED BY: JCM

PROJECT No: DGA2301 DATE: 11/08/2023 SCALE: AS SHOWN

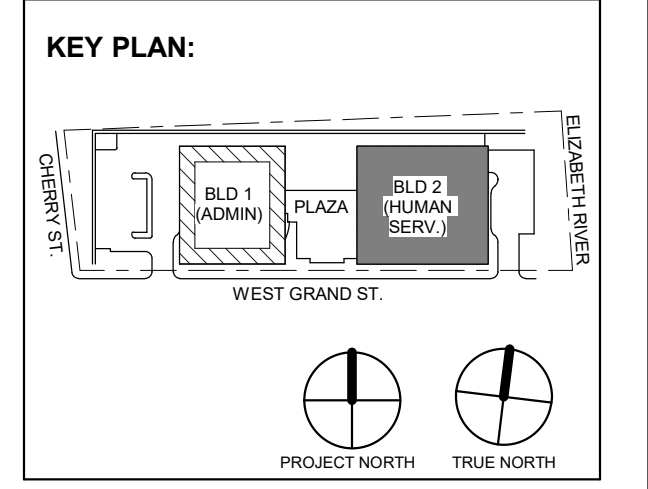


Table with 3 columns: No., Date, Description. Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

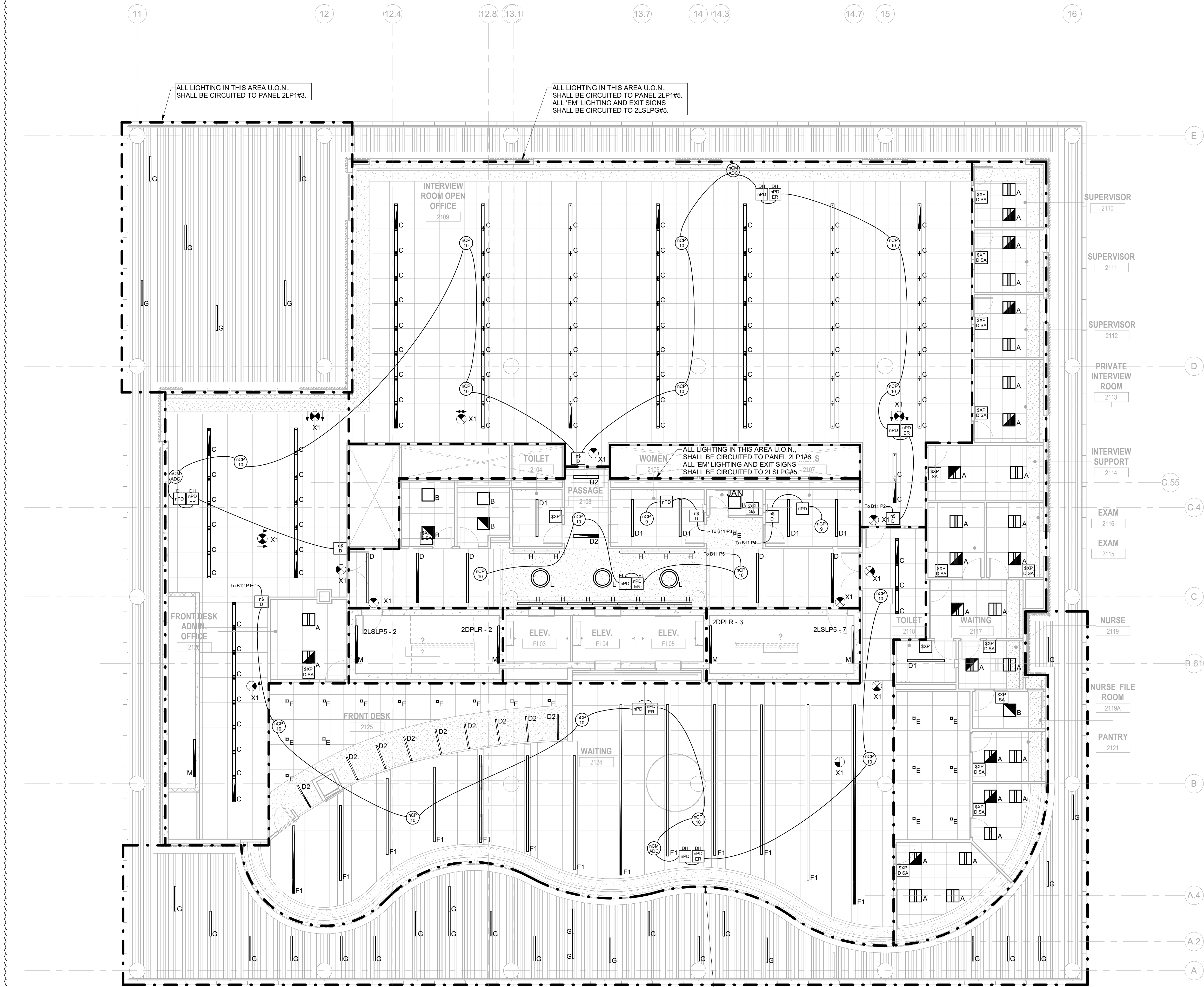
Sheet Name: BUILDING NO. 2 - LEVEL 1 - ELECTRICAL LIGHTING PLAN

Sheet No: E-211

- GENERAL LIGHTING NOTES. 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE. 2. REFER TO SHEET E-200 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS. 3. E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES. 4. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS. 5. ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. 6. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED. 7. E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

- LIGHTING CONTROLS NOTES. THE GOALS ARE TO: MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE REQUIREMENTS. TYPES OF LIGHTING CONTROLS BY AREA: COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS: THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE. DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION. OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF THE TIME OF DAY CONTROL) ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON". WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.

- MEETING ROOMS AND CONFERENCE ROOMS: CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS. A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF". DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION. ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS): PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS. A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF". OFFICE: PROVIDE OCCUPANCY/VACANCY SENSOR. PROVIDE DAYLIGHTING CONTROL, AS REQUIRED. JANITOR CLOSETS AND OTHER SMALL CLOSETS: PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED VACANCY/OCCUPANCY SENSOR. EXTERIOR BUILDING MOUNTED LIGHTING: THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL "ON", AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER. SITE LIGHTING: THE LIGHTING ZONE SHALL BE CONTROLLED BY PHOTOCELL "ON", AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.



ALL LIGHTING IN THIS AREA U.O.N. SHALL BE CIRCUITED TO PANEL 2LPL1#3.

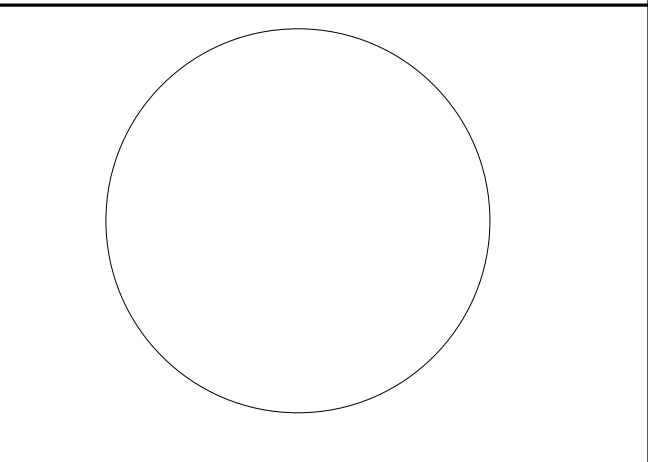
ALL LIGHTING IN THIS AREA U.O.N. SHALL BE CIRCUITED TO PANEL 2LPL1#6. ALL 'EM' LIGHTING AND EXIT SIGNS SHALL BE CIRCUITED TO 2LSLPG#5.

ALL LIGHTING IN THIS AREA U.O.N. SHALL BE CIRCUITED TO PANEL 2LPL1#6. ALL 'EM' LIGHTING AND EXIT SIGNS SHALL BE CIRCUITED TO 2LSLPG#5.

ALL LIGHTING IN THIS AREA U.O.N. SHALL BE CIRCUITED TO PANEL 2LPL1#9.

ALL LIGHTING IN THIS AREA U.O.N. SHALL BE CIRCUITED TO PANEL 2LPL1#7. ALL 'EM' LIGHTING AND EXIT SIGNS SHALL BE CIRCUITED TO 2LSLPG#5.

1 BUILDING NO. 2 - LEVEL 1 - ELECTRICAL LIGHTING PLAN E-211 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"



JOHN CHRIS MORRIS III, P.E.

ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT. THIS SEAL IS NOT TO BE REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF THE SEALER.

DESIGNED BY: NJA DRAWN BY: NJA CHECKED BY: SGS REVIEWED BY: JCM

PROJECT NO: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN

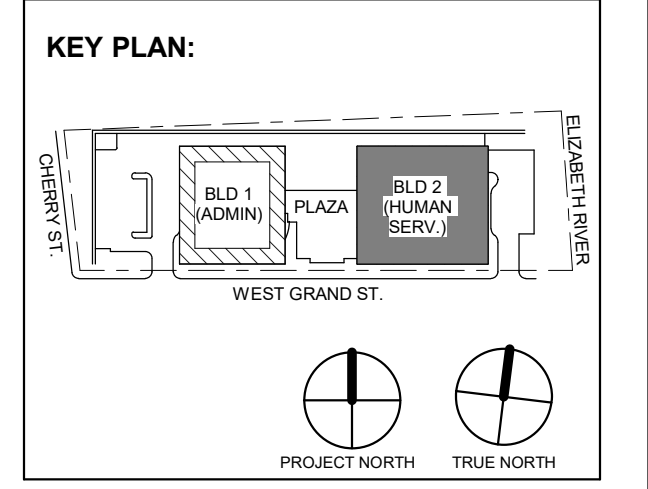


Table with 3 columns: No., Date, Description. Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JS/AVPC Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - LEVEL 2 - ELECTRICAL LIGHTING PLAN

Sheet No: E-212

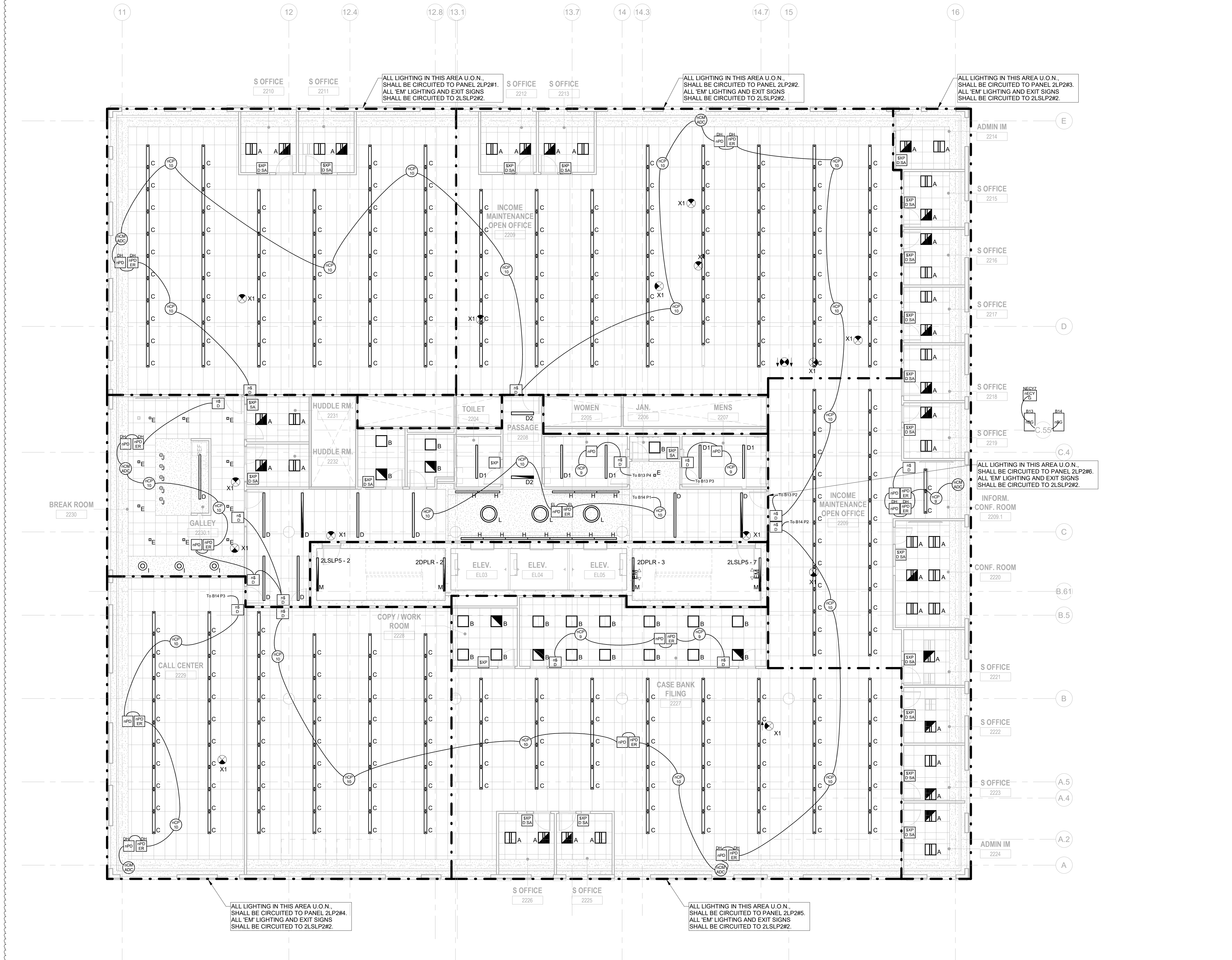
- GENERAL LIGHTING NOTES: 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE. 2. REFER TO SHEET E-200 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS. 3. E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES. 4. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS. 5. ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE UL LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. 6. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED. 7. E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

- LIGHTING CONTROLS NOTES: THE GOALS ARE TO: MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE, REQUIREMENTS. TYPES OF LIGHTING CONTROLS BY AREA: COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS: THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE. DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION. OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF DAY CONTROL) ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON". WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.

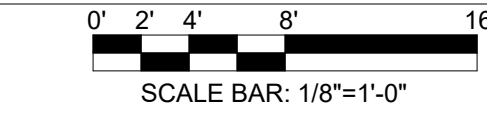
- MEETING ROOMS AND CONFERENCE ROOMS: CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS. A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF". DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.

- ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS): PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS. A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF". OFFICE: PROVIDE OCCUPANCY/VACANCY SENSOR. PROVIDE DAYLIGHTING CONTROL, AS REQUIRED.

- JANITOR CLOSETS AND OTHER SMALL CLOSETS: PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED VACANCY/OCCUPANCY SENSOR. EXTERIOR BUILDING MOUNTED LIGHTING: THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER. SITE LIGHTING: THE LIGHTING ZONE SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.



1 BUILDING NO. 2 - LEVEL 2 - ELECTRICAL LIGHTING PLAN E-212 SCALE: 1/8" = 1'-0"



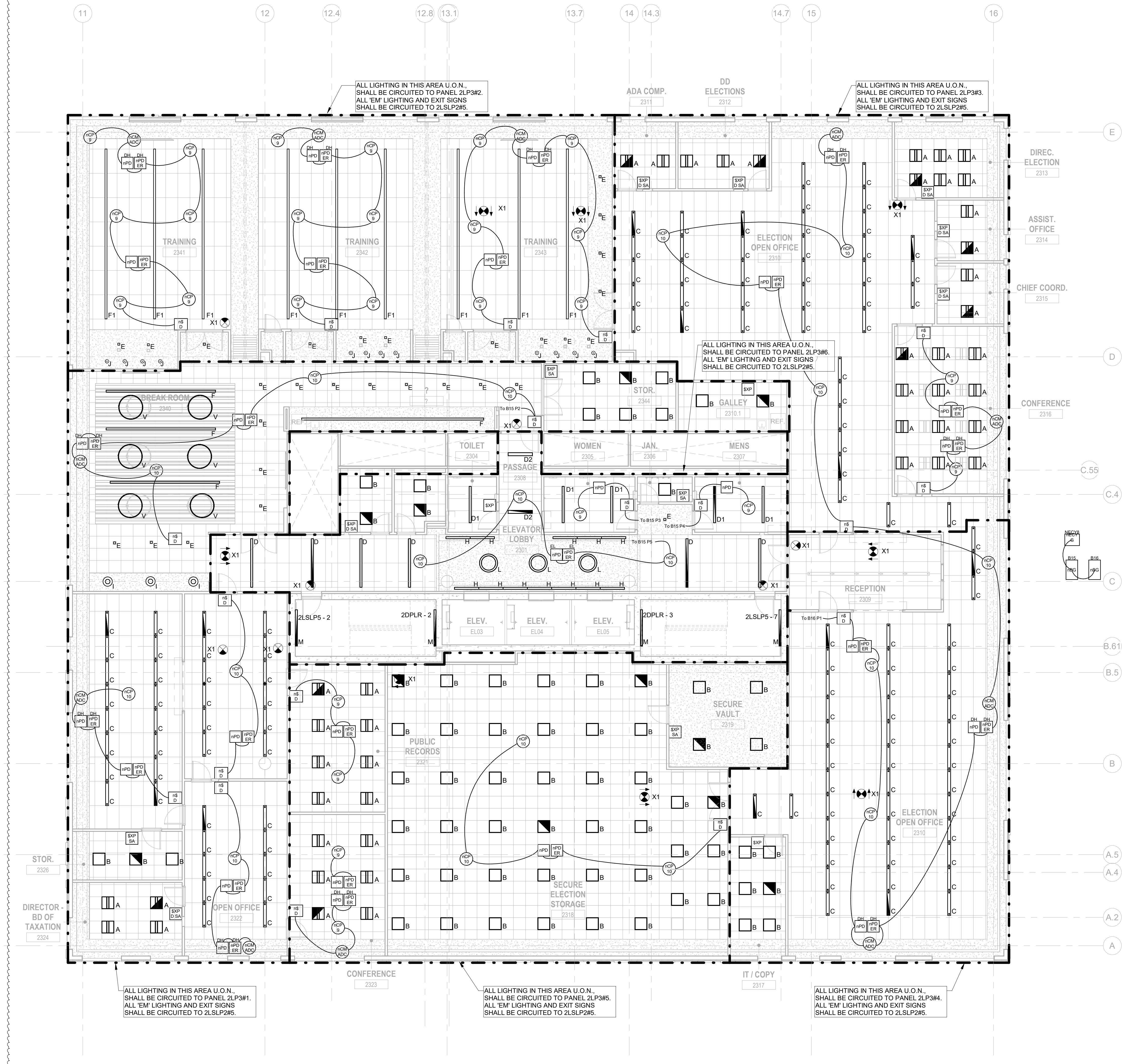
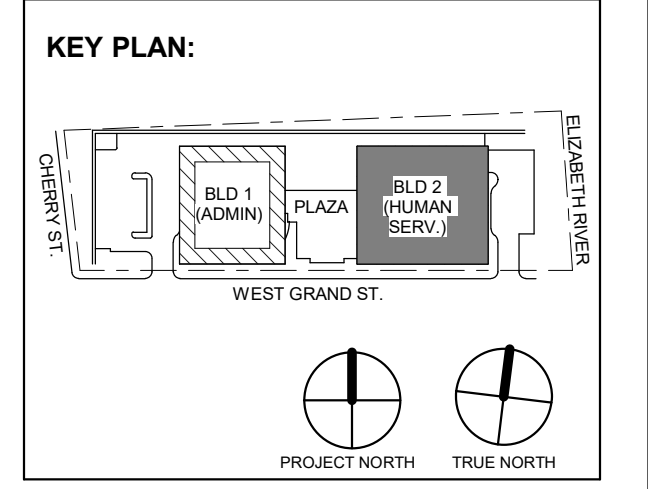
- GENERAL LIGHTING NOTES:**
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
 2. REFER TO SHEET E-200 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
 3. E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES.
 4. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS.
 5. ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE UL LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.
 6. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED.
 7. E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

- LIGHTING CONTROLS NOTES:**
- THE GOALS ARE TO:
- MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE, REQUIREMENTS.
 - TYPES OF LIGHTING CONTROLS BY AREA:
 - COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS:
 - THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE.
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF THE TIME OF DAY CONTROL) ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON".
 - WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.

- MEETING ROOMS AND CONFERENCE ROOMS:**
- CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF".
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS):
 - PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF".
 - OFFICE:
 - PROVIDE OCCUPANCY/VACANCY SENSOR.
 - PROVIDE DAYLIGHTING CONTROL, AS REQUIRED.
 - JANITOR CLOSETS AND OTHER SMALL CLOSETS:
 - PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED VACANCY/OCCUPANCY SENSOR.
 - EXTERIOR BUILDING MOUNTED LIGHTING:
 - THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.
 - SITE LIGHTING:
 - THE LIGHTING ZONE SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.

JOHN CHRIS MORRIS III, P.E.

DESIGNED BY	NJA	NJA	SGS	JCM	
CHECKED BY					
PROJECT No.	DIG-2301	DATE:	11/08/2023	SCALE:	AS SHOWN



1 BUILDING NO. 2 - LEVEL 3 - ELECTRICAL LIGHTING PLAN
 E-213 SCALE: 1/8" = 1'-0"
 SCALE BAR: 1/8" = 1'-0"

1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
 2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.2400

Jeffrey D. Venezia, AIA
 NJ RA #A1 00827100

PRELIMINARY
 NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT COMPLEX
 81 & 83 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 20.072
 Date: 11.08.2023
 Drawn By: JBA/VPC
 Checked By: JM/SH

Sheet Name:
 BUILDING NO. 2 - LEVEL 3 - ELECTRICAL LIGHTING PLAN

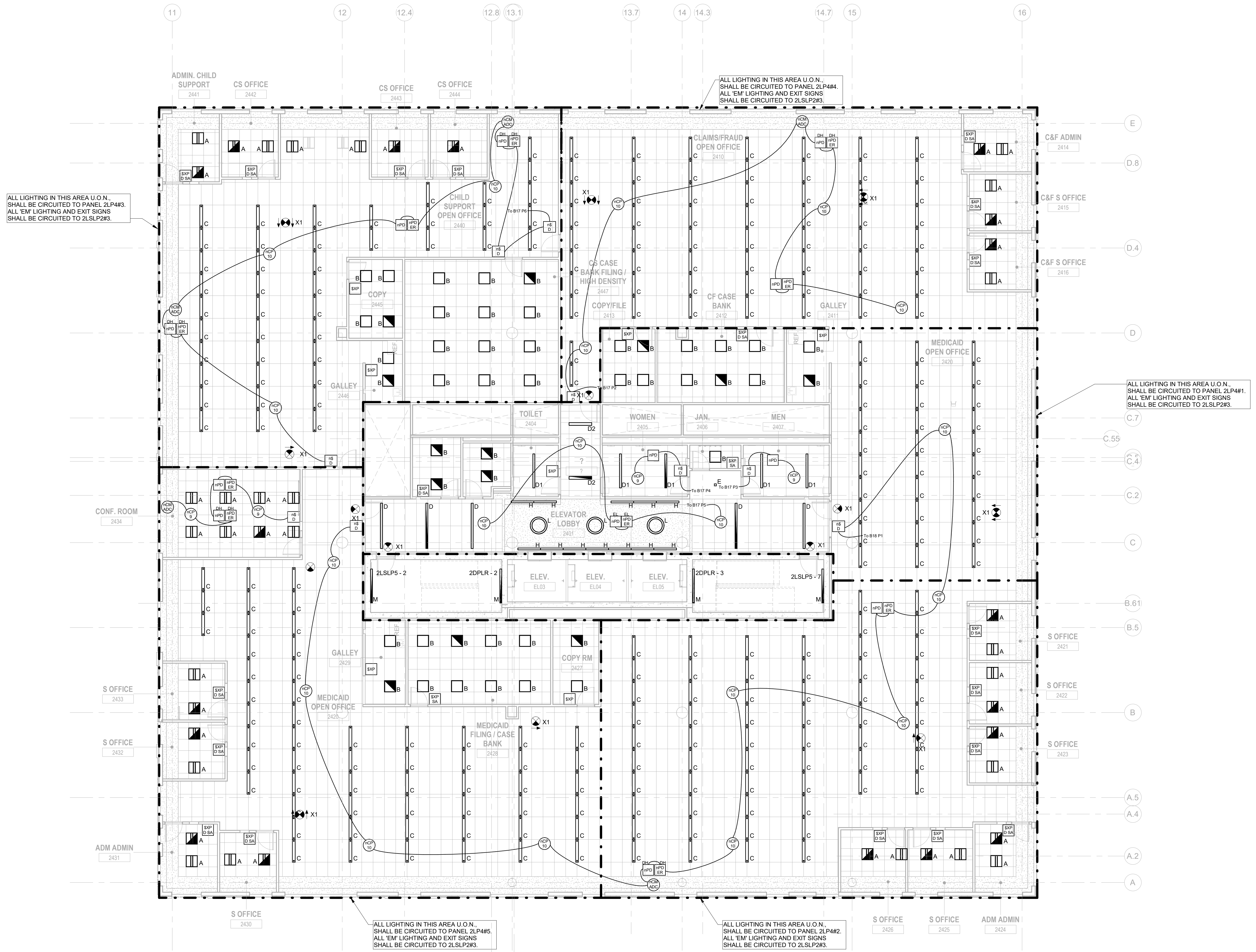
Sheet No:
E-213

GENERAL LIGHTING NOTES:

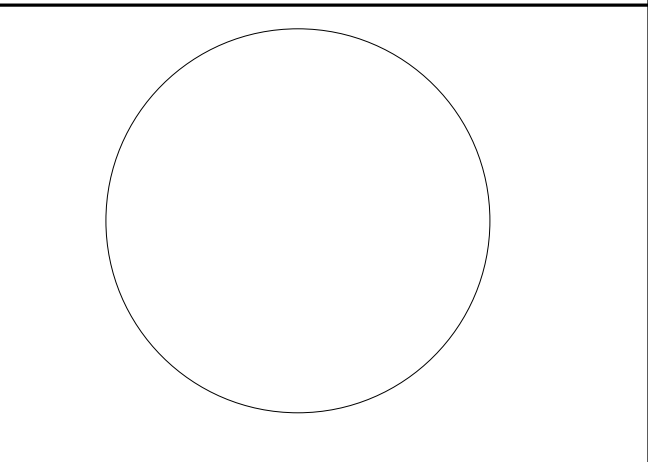
- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
3. E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES.
4. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS.
5. ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE UL LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.
6. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED.
7. E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

LIGHTING CONTROLS NOTES:

- THE GOALS ARE TO:
- MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE, REQUIREMENTS.
- TYPES OF LIGHTING CONTROLS BY AREA:
 * COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS:
 * THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE.
 * DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 * OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE 'OFF' TIME OF THE TIME OF DAY CONTROL) ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO 'ON'.
 * WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.
 * MEETING ROOMS AND CONFERENCE ROOMS:
 * CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS.
 * A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO 'ON' AND 'OFF'.
 * DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 * ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS):
 * PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS.
 * A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO 'OFF'.
 * OFFICE:
 * PROVIDE OCCUPANCY/VACANCY SENSOR.
 * PROVIDE DAYLIGHTING CONTROL, AS REQUIRED.
 * JANITOR CLOSETS AND OTHER SMALL CLOSETS:
 * PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED VACANCY/OCCUPANCY SENSOR.
 * EXTERIOR BUILDING MOUNTED LIGHTING:
 * THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL 'ON' AND TIME OF DAY 'OFF' (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.
 * SITE LIGHTING:
 * THE LIGHTING ZONE SHALL BE CONTROLLED BY PHOTOCELL 'ON' AND TIME OF DAY 'OFF' (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.



1 BUILDING NO. 2 - LEVEL 4 - ELECTRICAL LIGHTING PLAN E-214 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"



JOHN CHRIS MORRIS III, P.E.

DESIGNED BY: NJA DRAWN BY: NJA CHECKED BY: SGS REVIEWED BY: JCM

PROJECT No: DGA2301 DATE: 11/08/2023 SCALE: AS SHOWN

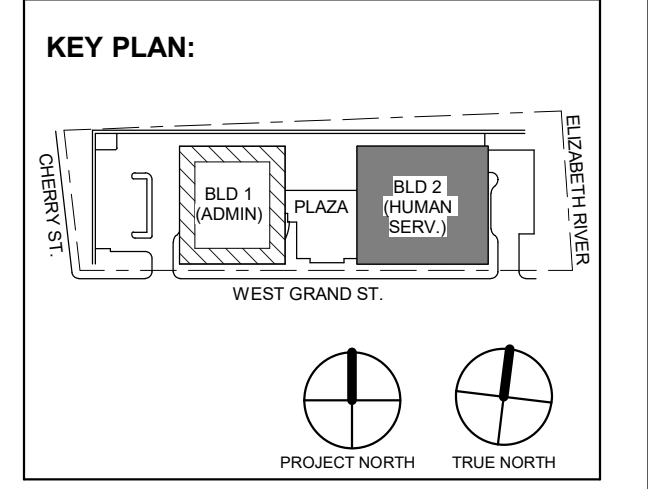


Table with 3 columns: No., Date, Description. Row 1: 1, 12/01/2023, Addendum No. 01. Row 2: 2, 11/08/2023, For Public Bid.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11/08/2023 Drawn By: JBA/VPC Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - LEVEL 4 - ELECTRICAL LIGHTING PLAN

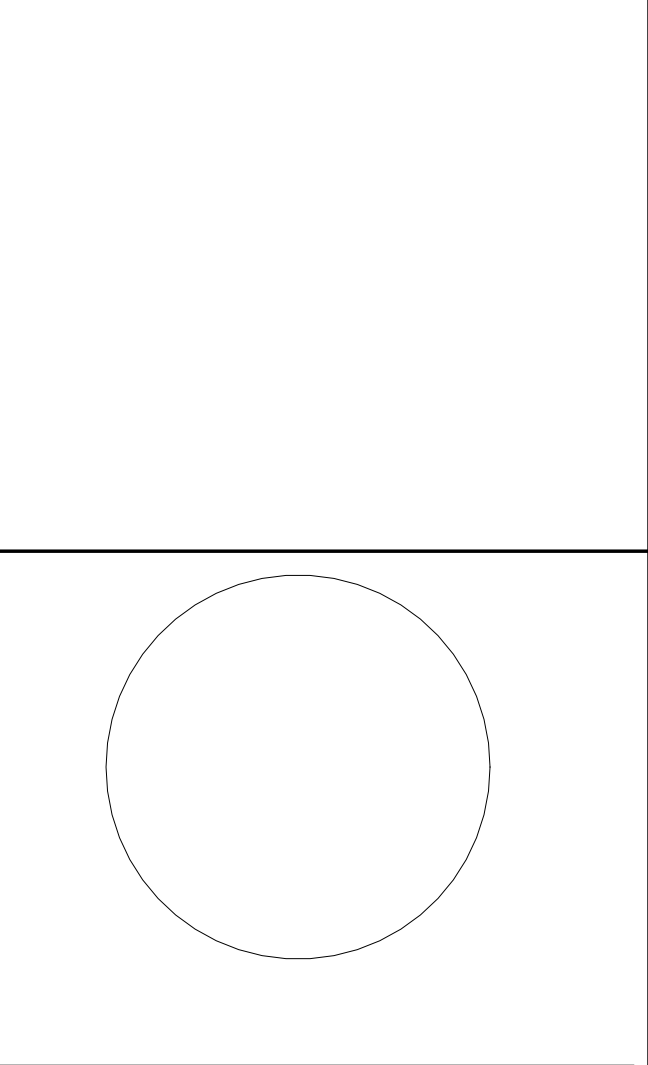
Sheet No: E-214

GENERAL LIGHTING NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
2. REFER TO SHEET E-200 FOR PROJECT GENERAL NOTES, SYMBOLS, LEGEND AND ABBREVIATIONS.
3. E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES.
4. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS.
5. ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE UL LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.
6. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED.
7. E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

LIGHTING CONTROLS NOTES:

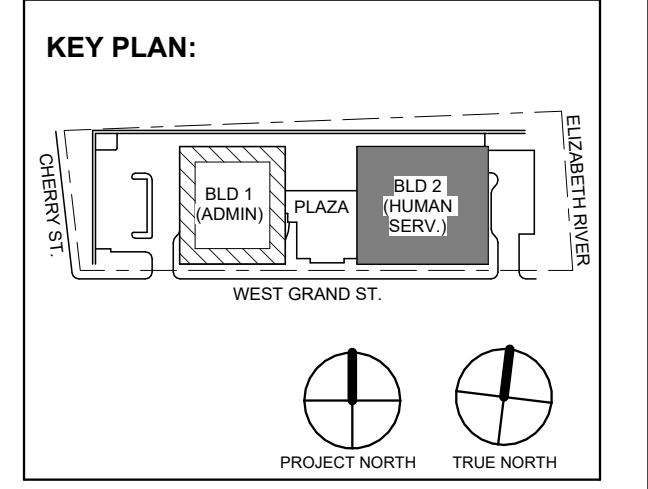
- THE GOALS ARE TO:
- MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE, REQUIREMENTS.
 - TYPES OF LIGHTING CONTROLS BY AREA:
 - COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS:
 - THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE.
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF THE TIME OF DAY CONTROL), ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON".
 - WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.
 - MEETING ROOMS AND CONFERENCE ROOMS:
 - CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF".
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS):
 - PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF".
 - OFFICE:
 - PROVIDE OCCUPANCY/VACANCY SENSOR.
 - PROVIDE DAYLIGHTING CONTROL, AS REQUIRED.
 - JANITOR CLOSETS AND OTHER SMALL CLOSETS:
 - PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED VACANCY/OCCUPANCY SENSOR.
 - EXTERIOR BUILDING MOUNTED LIGHTING
 - THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL "ON", AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.
 - SITE LIGHTING
 - THE LIGHTING ZONE SHALL BE CONTROLLED BY PHOTOCELL "ON", AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.



JOHN CHRIS MORRIS III, P.E. LICENSED PROFESSIONAL ENGINEER IN NJ No. 35888888

DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
NJA	NJA	SGS	JCM
PROJECT NO.	DATE	SCALE	
DIG2301	11/08/2023	AS SHOWN	

- KEY PLAN:
- WEST GRAND ST.
- PROJECT NORTH
- TRUE NORTH



1	12/01/2023	Addendum No. 01
	11/08/2023	For Public Bid
No.	Date	Description
Revisions / Issues		

12/01/2023 Addendum No. 01
11/08/2023 For Public Bid

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3000

Jeffrey D. Venezia, AIA
NJ RA #A1 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

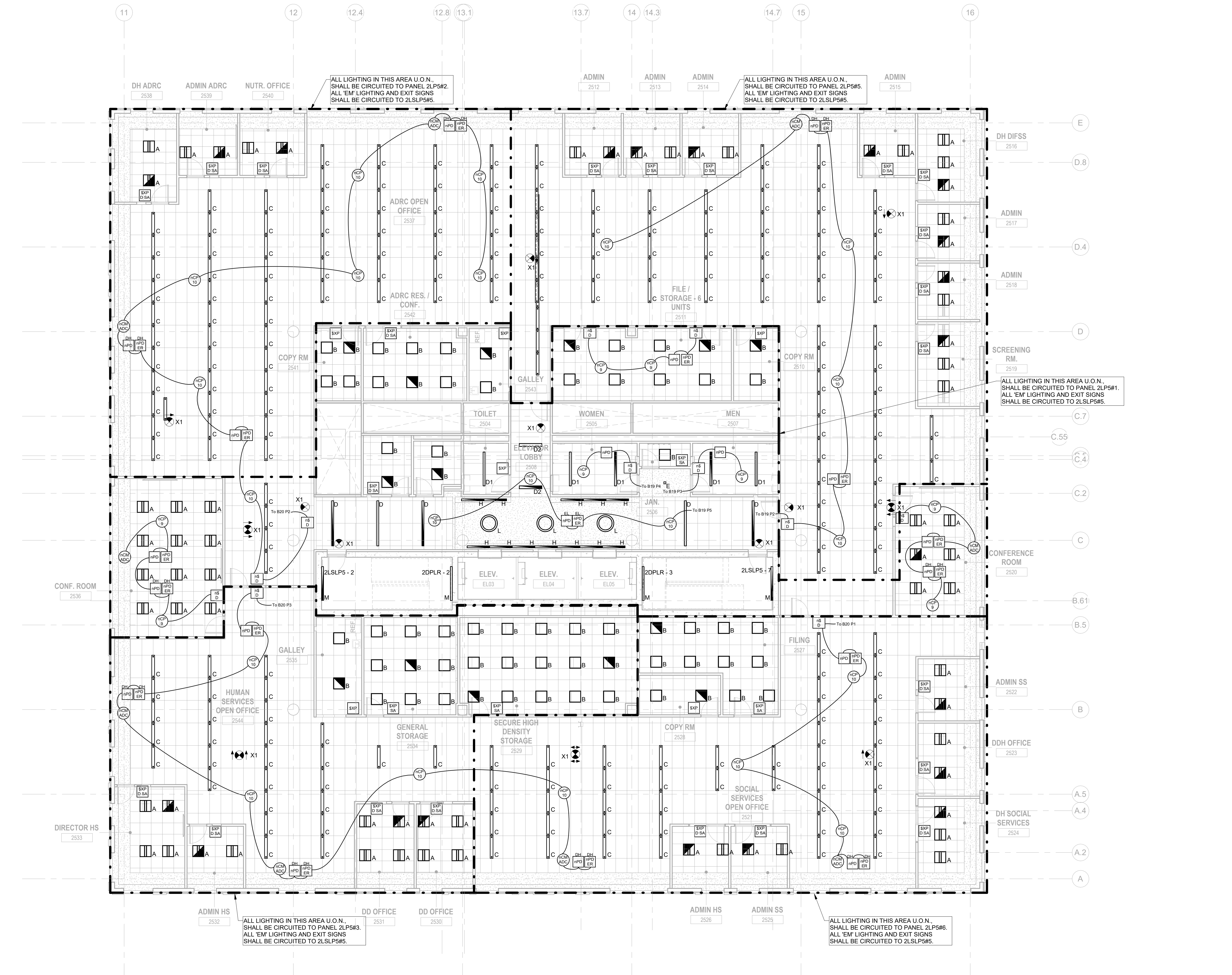
Project: UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11/08/2023
Drawn By: JBA/JPC
Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - LEVEL 5 - ELECTRICAL LIGHTING PLAN

Sheet No: E-215

E-215



1 BUILDING NO. 2 - LEVEL 5 - ELECTRICAL LIGHTING PLAN
E-215 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"

GENERAL LIGHTING NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE.
2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS.
3. E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES.
4. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS.
5. ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE UL LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.
6. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED.
7. E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

LIGHTING CONTROLS NOTES:

- THE GOALS ARE TO:
- MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE, REQUIREMENTS.
 - TYPES OF LIGHTING CONTROLS BY AREA:
 - COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS:
 - THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE.
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.
 - OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF THE TIME OF DAY CONTROL) ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON".
 - WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.

- MEETING ROOMS AND CONFERENCE ROOMS:
- CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS. A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF".
 - DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.

- ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS):
- PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS.
 - A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF".
- OFFICE:
- PROVIDE OCCUPANCY/VACANCY SENSOR.
 - PROVIDE DAYLIGHTING CONTROL, AS REQUIRED.

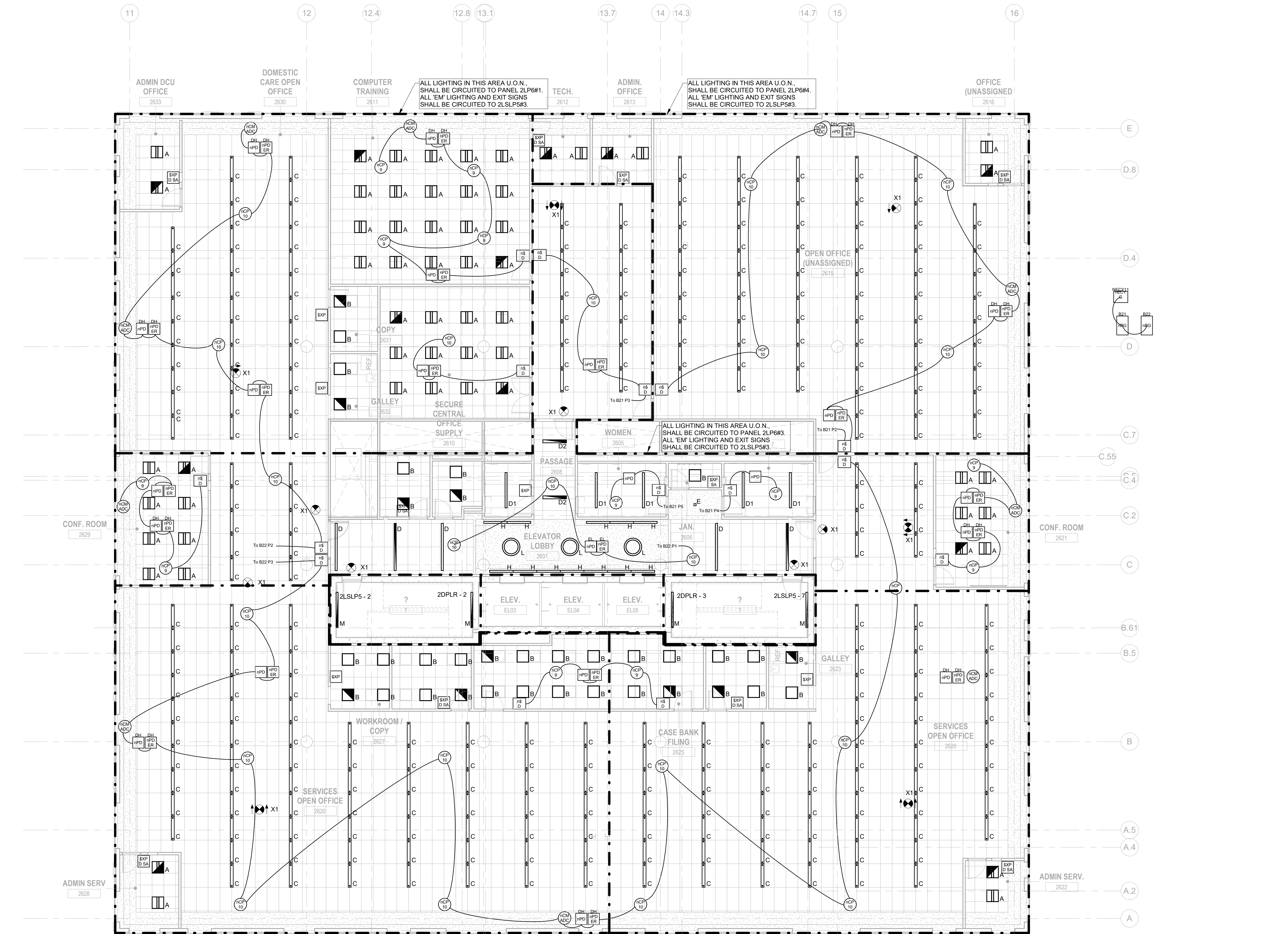
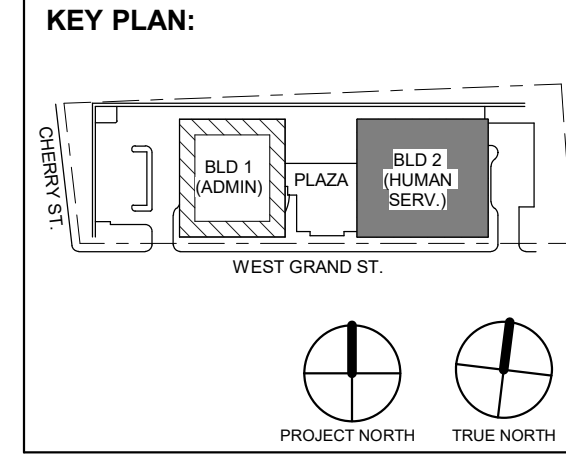
- JANITOR CLOSETS AND OTHER SMALL CLOSETS:
- PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED VACANCY/OCCUPANCY SENSOR.
- EXTERIOR BUILDING MOUNTED LIGHTING:
- THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.

- SITE LIGHTING:
- THE LIGHTING ZONE SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.

JOHN CHRIS MORRIS III, P.E.

ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT. THIS DRAWING IS NOT TO BE CONSIDERED AN OFFICIAL DOCUMENT UNLESS IT BEARS THE SEAL AND SIGNATURE OF THE DESIGNER.

DESIGNED BY	NJA	NJA	SGS	JCM
DRAWN BY				
CHECKED BY				
REVIEWED BY				
PROJECT No.	DIGA2301	DATE:	11/08/2023	SCALE:
				AS SHOWN



1 BUILDING NO. 2 - LEVEL 6 - ELECTRICAL LIGHTING PLAN E-216 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"

DIGroupArchitecture ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T: 215.634.3000

Jeffrey D. Venezaia, AIA NJ RA AI 00827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

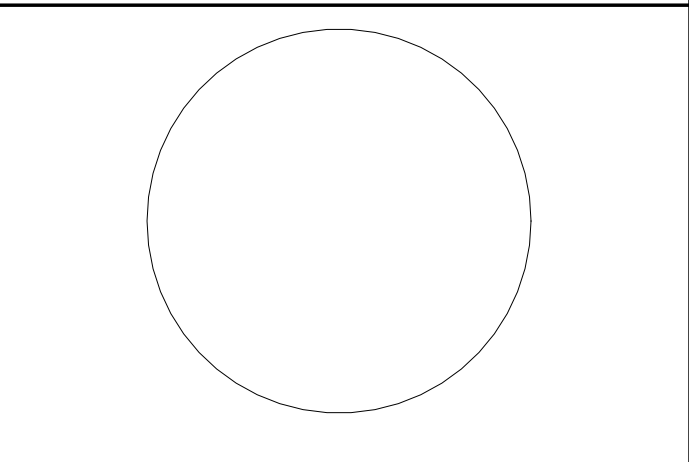
Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JS/AV/PC Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - LEVEL 6 - ELECTRICAL LIGHTING PLAN

Sheet No: E-216



JOHN CHRIS MORRIS III, P.E. NJ PROFESSIONAL ENGINEER License No. 36868888

ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL. THIS SEAL MAY BE CONSIDERED AN OFFICIAL DOCUMENT. PENALTIES APPLY TO THE VIOLATION OF ANY LICENSE.

DESIGNED BY: NJA DRAWN BY: NJA CHECKED BY: SGS REVIEWED BY: JCM

PROJECT No.: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN

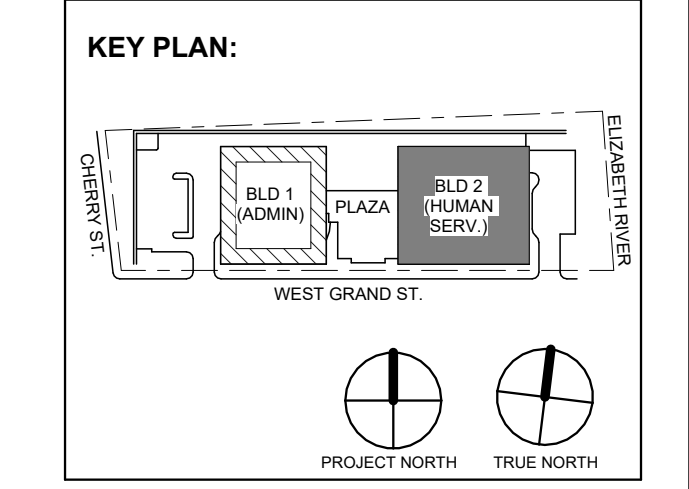


Table with 3 columns: No., Date, Description. Row 1: 1, 12.01.2023, Addendum No. 01. Row 2: 11.08.2023, For Public Bid.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - ROOF - ELECTRICAL LIGHTING PLAN

Sheet No: E-217

- GENERAL LIGHTING NOTES: 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF NATIONAL ELECTRIC CODE. 2. REFER TO SHEET E-000 FOR PROJECT GENERAL NOTES, SYMBOL, LEGEND AND ABBREVIATIONS. 3. E.C. SHALL VERIFY CEILING TYPE AND SPACE LIMITATIONS PRIOR TO ORDERING FIXTURES. 4. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH THE FINAL APPROVED LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK, PIPING, CEILING SYSTEMS AND LAYOUTS, CONDUIT SYSTEMS AND STRUCTURAL COMPONENTS. 5. ALL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE UL LISTED AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. 6. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND PROVIDED WITH ALL NECESSARY MOUNTING/HANGING HARDWARE AND PLASTER FRAMES WHERE REQUIRED. 7. E.C. SHALL ENSURE VOLTAGE DROP DOES NOT EXCEED 3% AT ALL TIMES. WIRE SIZES AND CONDUITS SHALL BE ADJUSTED ACCORDINGLY.

- LIGHTING CONTROLS NOTES: THE GOALS ARE TO: MEET THE LOCALLY ADOPTED ENERGY CODE, INTERNATIONAL ENERGY CODE, REQUIREMENTS. TYPES OF LIGHTING CONTROLS BY AREA:

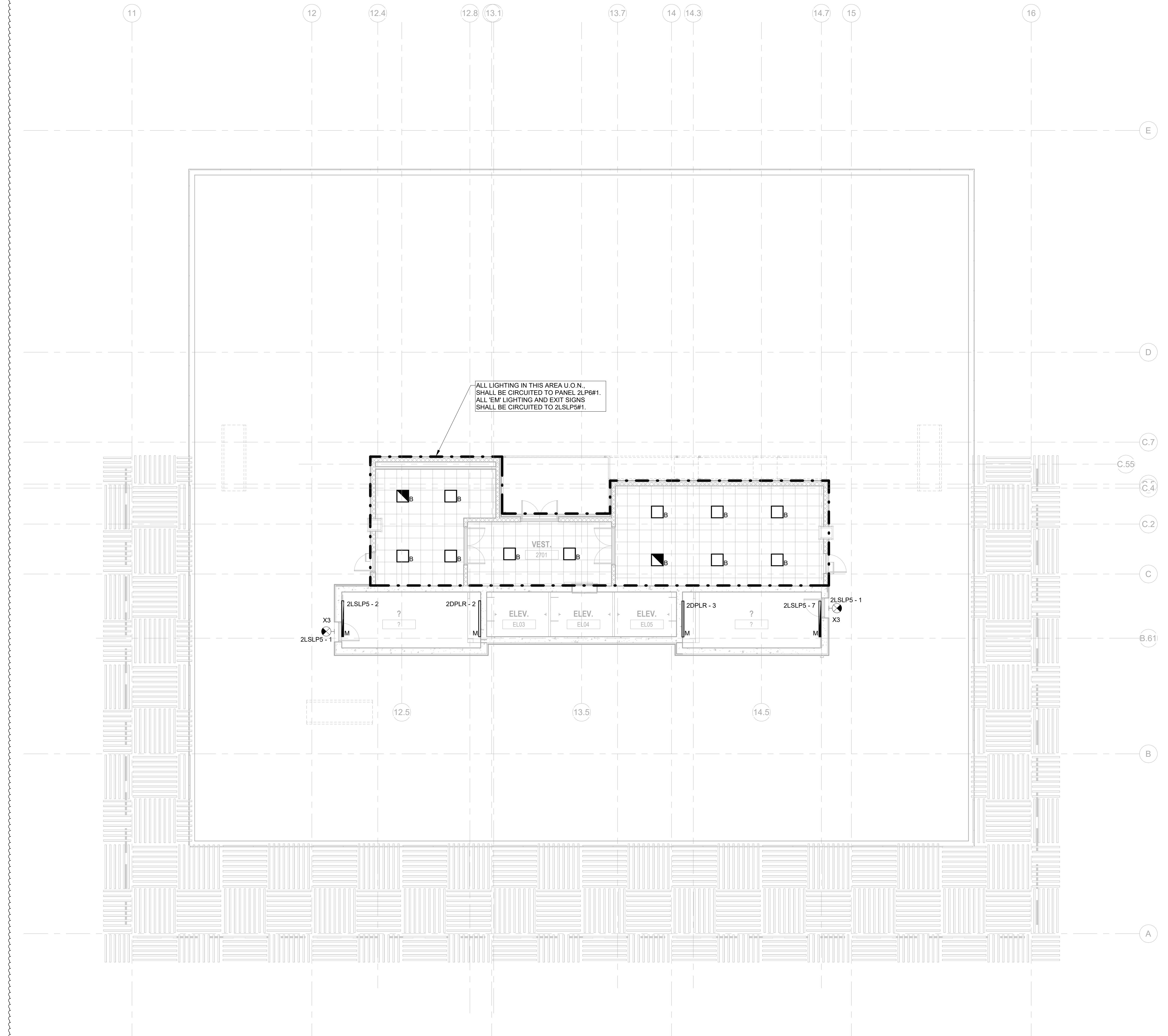
- COMMON AREAS, OPEN OFFICE AREAS, BREAK AREAS AND CORRIDORS SHALL BE LOCALLY CONTROLLED. LOCAL CONTROLS IN THESE AREAS SHALL OPERATE AS FOLLOWS: THE LIGHTING SHALL BE CONTROLLED BY TIME OF DAY. CONTRACTOR TO PROGRAM THE ON/OFF TIMES AS SPECIFIED BY THE OWNER. THIS IS THE OVERRIDING CONTROL OF THE LIGHTING ZONE. DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE ADJACENT WINDOWS. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION. OCCUPANCY SENSORS SHALL BE PROVIDED THROUGHOUT THESE AREAS SO THAT AFTER HOURS (I.E. AFTER THE "OFF" TIME OF THE TIME OF DAY CONTROL) ANY EMPLOYEES WORKING LATE WILL NOT BE LEFT IN THE DARK. THE OCCUPANCY SENSORS SHALL OVERRIDE THE ZONE CONTROL TO "ON". WALL SWITCHES SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE THE ZONE CONTROL.

- MEETING ROOMS AND CONFERENCE ROOMS: CEILING MOUNTED VACANCY SENSORS SHALL PROVIDE THE BASIC LIGHTING CONTROL IN THESE AREAS. A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "ON" AND "OFF". DAYLIGHTING CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY DIM THE LIGHTING BASED ON THE AMOUNT OF LIGHT ENTERING THE WINDOWS WHERE WINDOWS ARE PRESENT. ONLY LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING AREAS SHALL BE DIMMED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING THE DAYLIGHTING CONTROLS TO THE OWNER'S SATISFACTION.

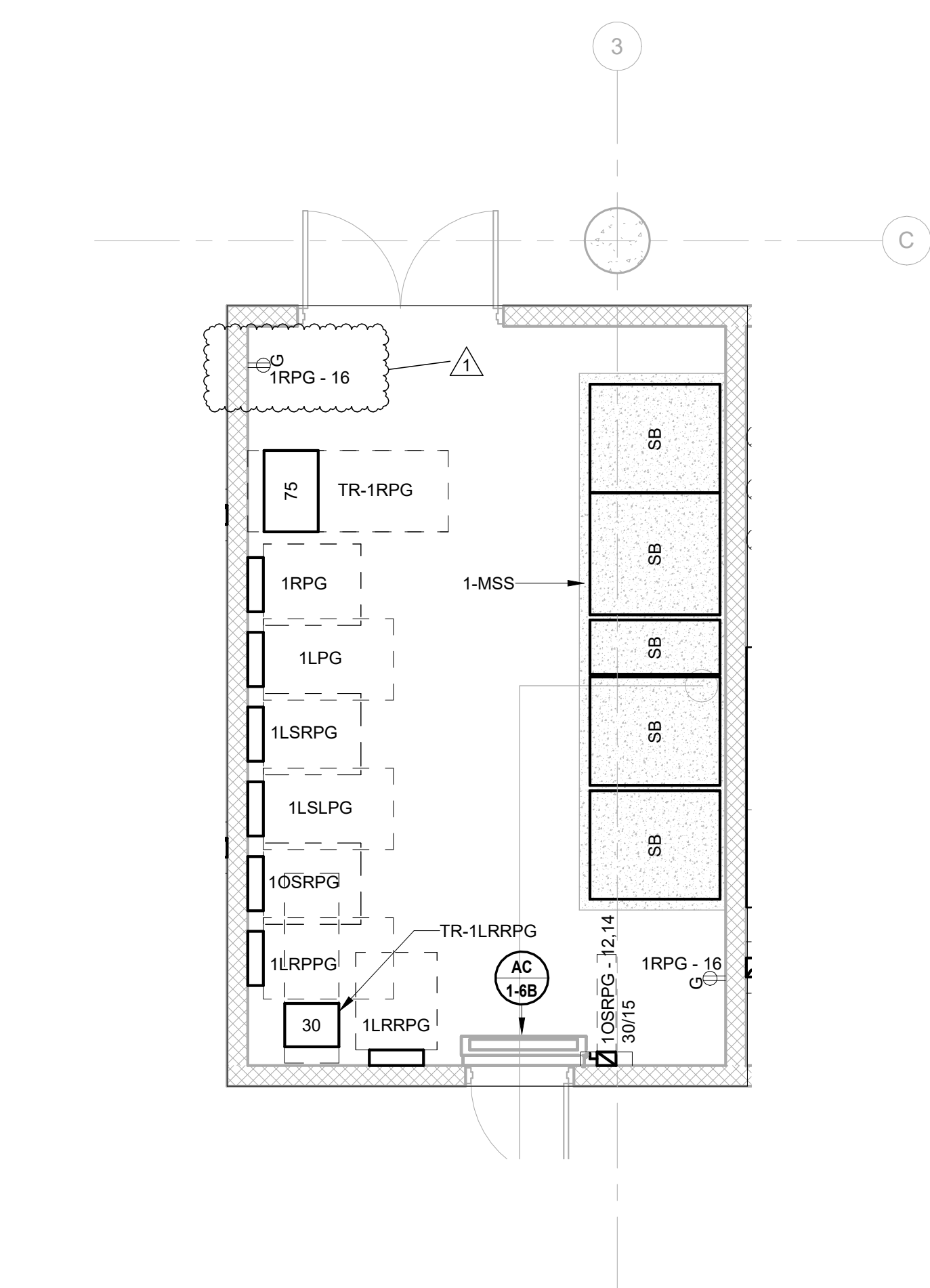
- ENCLOSED OFFICES (WITH NO EXTERIOR WINDOWS): PROVIDE WIRELESS WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED OCCUPANCY SENSORS. A WALL SWITCH SHALL BE PROVIDED TO ALLOW THE OCCUPANT TO OVERRIDE THE AUTOMATIC CONTROL TO "OFF". OFFICE: PROVIDE OCCUPANCY/VACANCY SENSOR. PROVIDE DAYLIGHTING CONTROL, AS REQUIRED.

- JANITOR CLOSETS AND OTHER SMALL CLOSETS: PROVIDE WALL SWITCH, CEILING MOUNTED POWER PACK AND CEILING MOUNTED VACANCY/OCCUPANCY SENSOR. EXTERIOR BUILDING MOUNTED LIGHTING: THE EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER. SITE LIGHTING: THE LIGHTING ZONE SHALL BE CONTROLLED BY PHOTOCELL "ON" AND TIME OF DAY "OFF" (I.E. ON AT DUSK AND OFF AT A PRESET TIME). CONTRACTOR TO PROGRAM THE CONTROLS AS SPECIFIED BY THE OWNER.

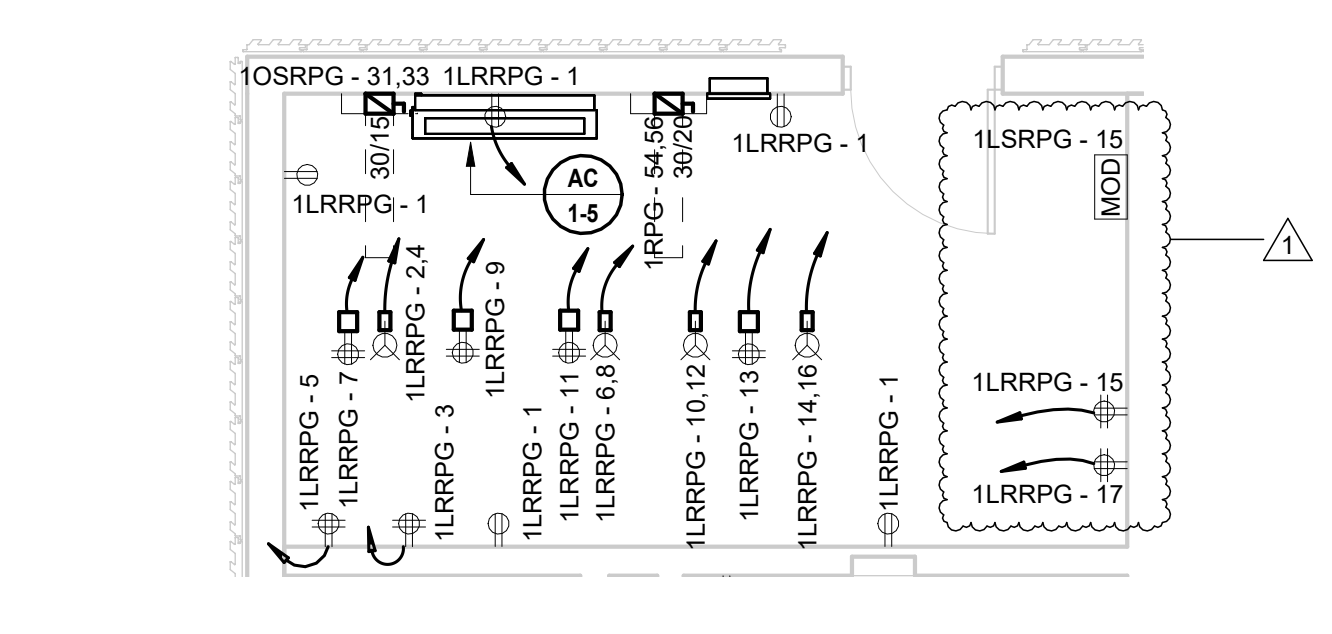
ALL LIGHTING IN THIS AREA U.O.N. SHALL BE CIRCUITED TO PANEL 2LP#81. ALL 'EM' LIGHTING AND EXIT SIGNS SHALL BE CIRCUITED TO 2LSLP#81.



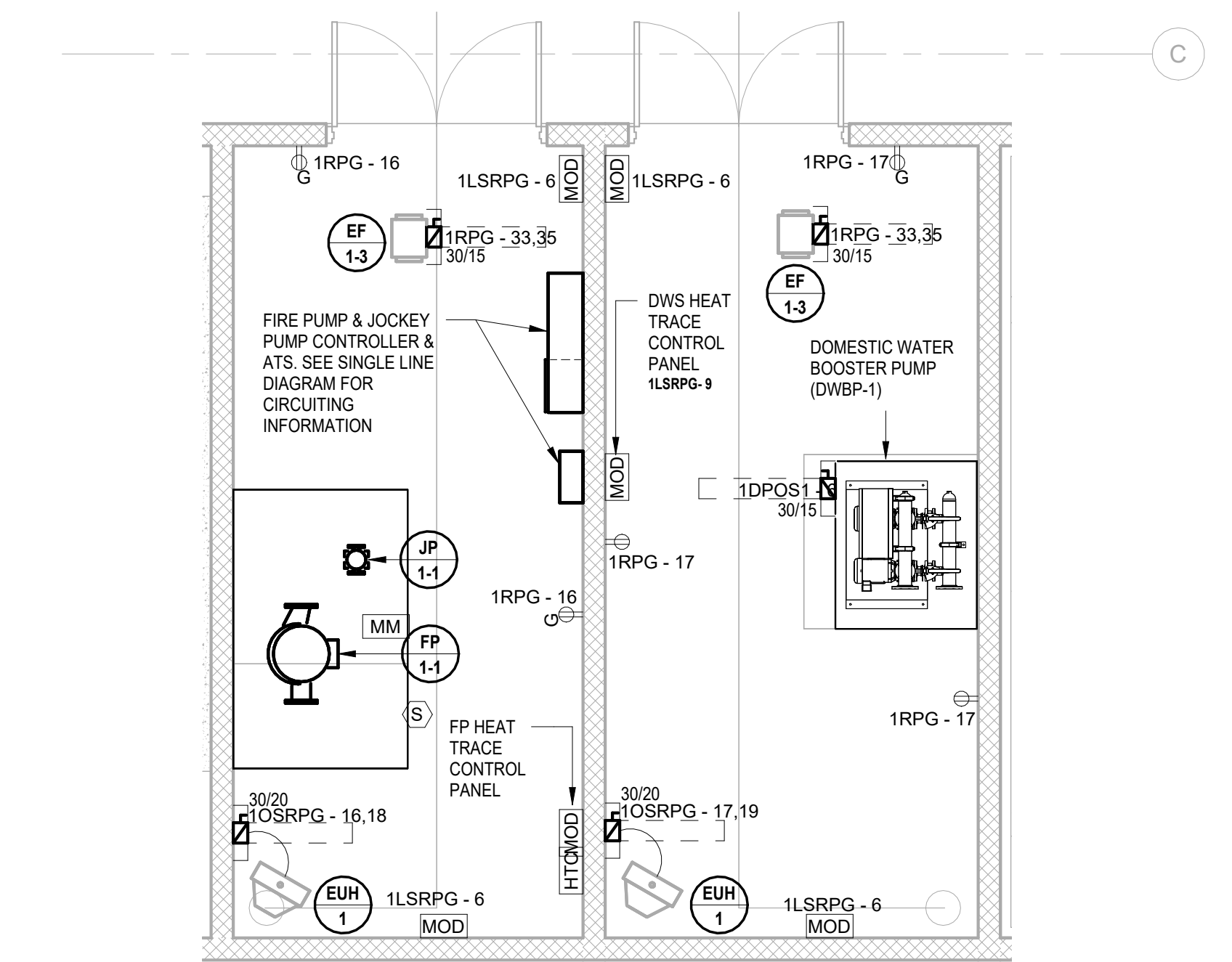
1 BUILDING NO. 2 - ROOF - ELECTRICAL LIGHTING PLAN E-217 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"



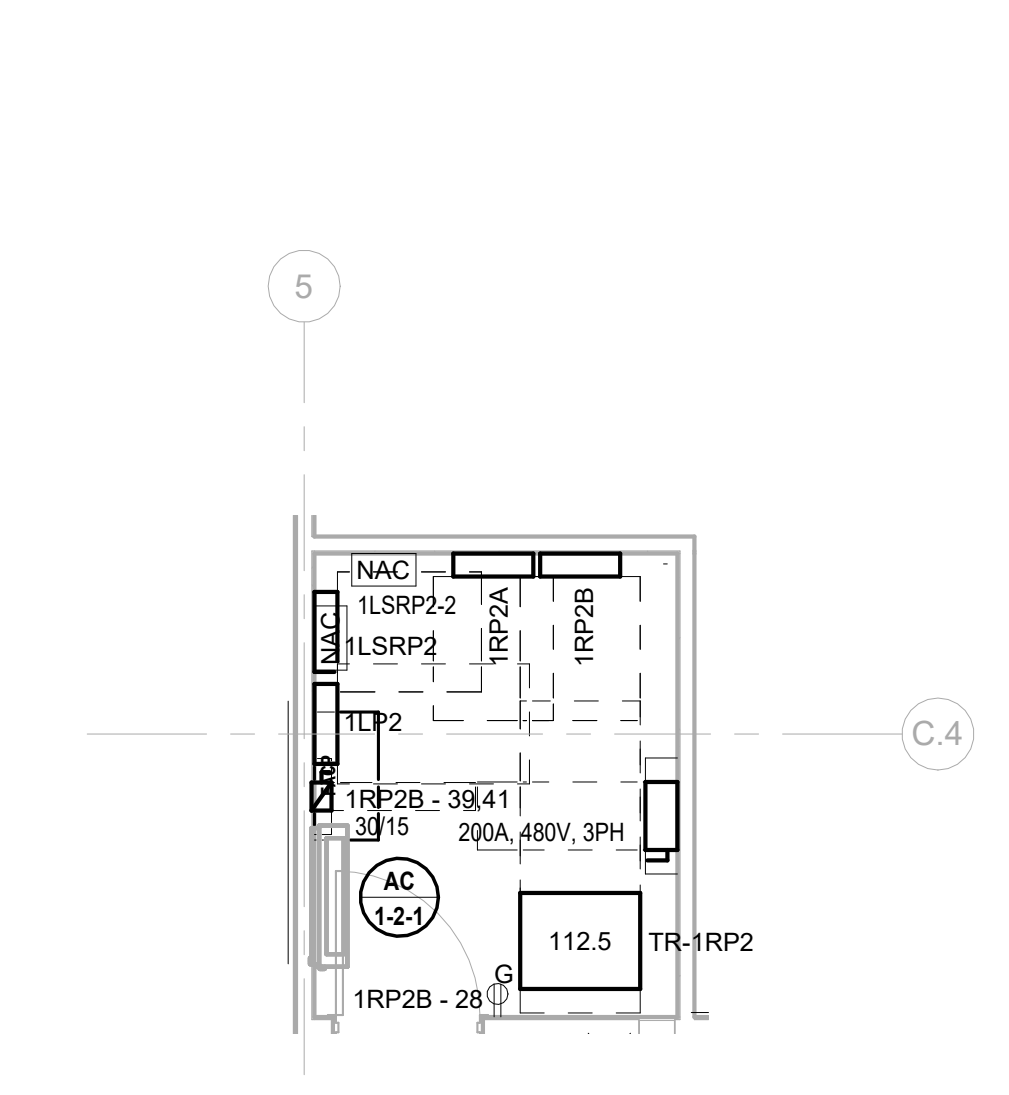
1 BUILDING NO.1 - ENLARGED ELECTRICAL ROOM 1010 SCALE: 1/4" = 1'-0"



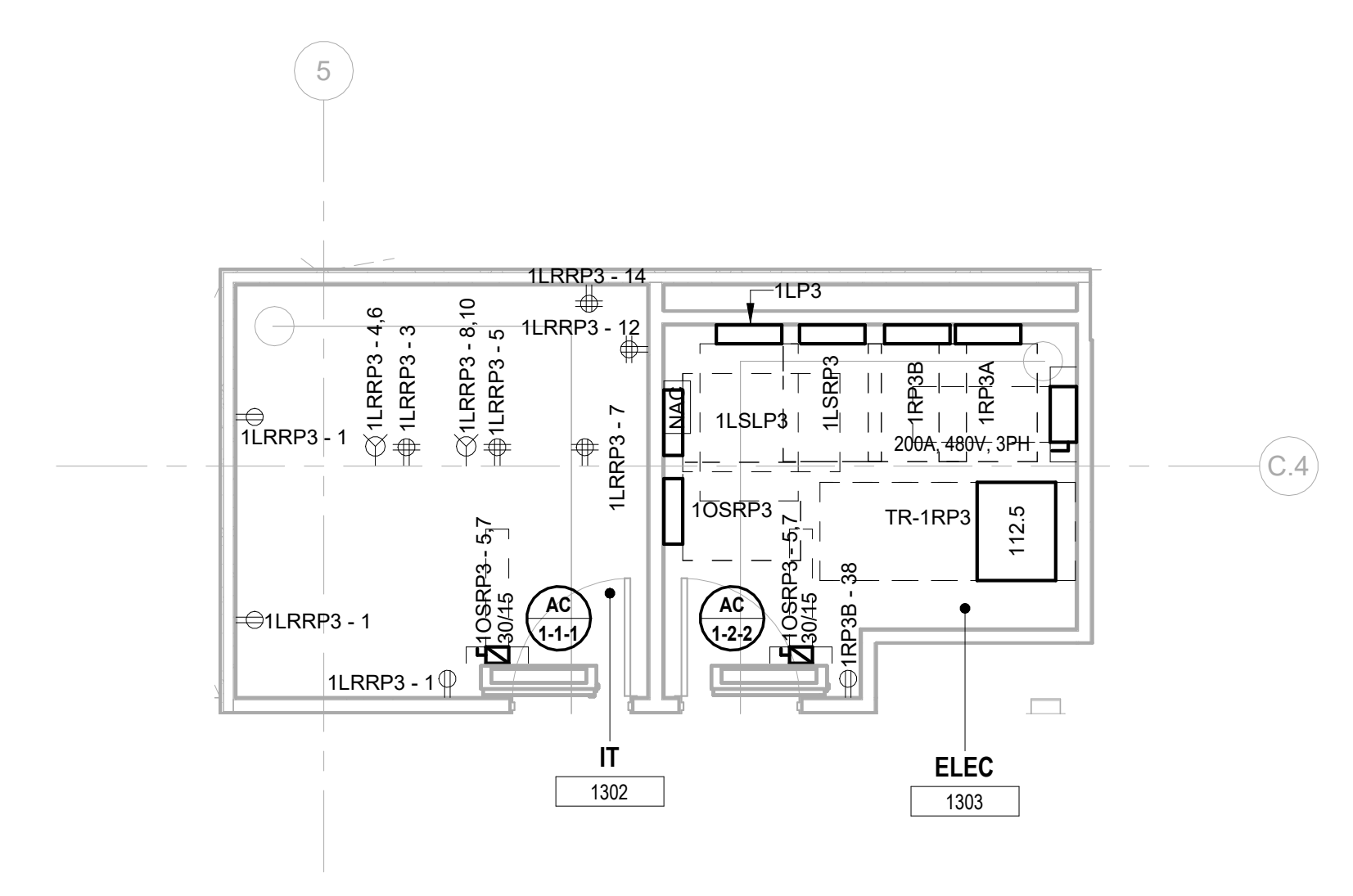
2 BUILDING NO.1 - LEVEL 1 - ELECTRICAL POWER PLAN - DEMARC. ROOM SCALE: 1/4" = 1'-0"



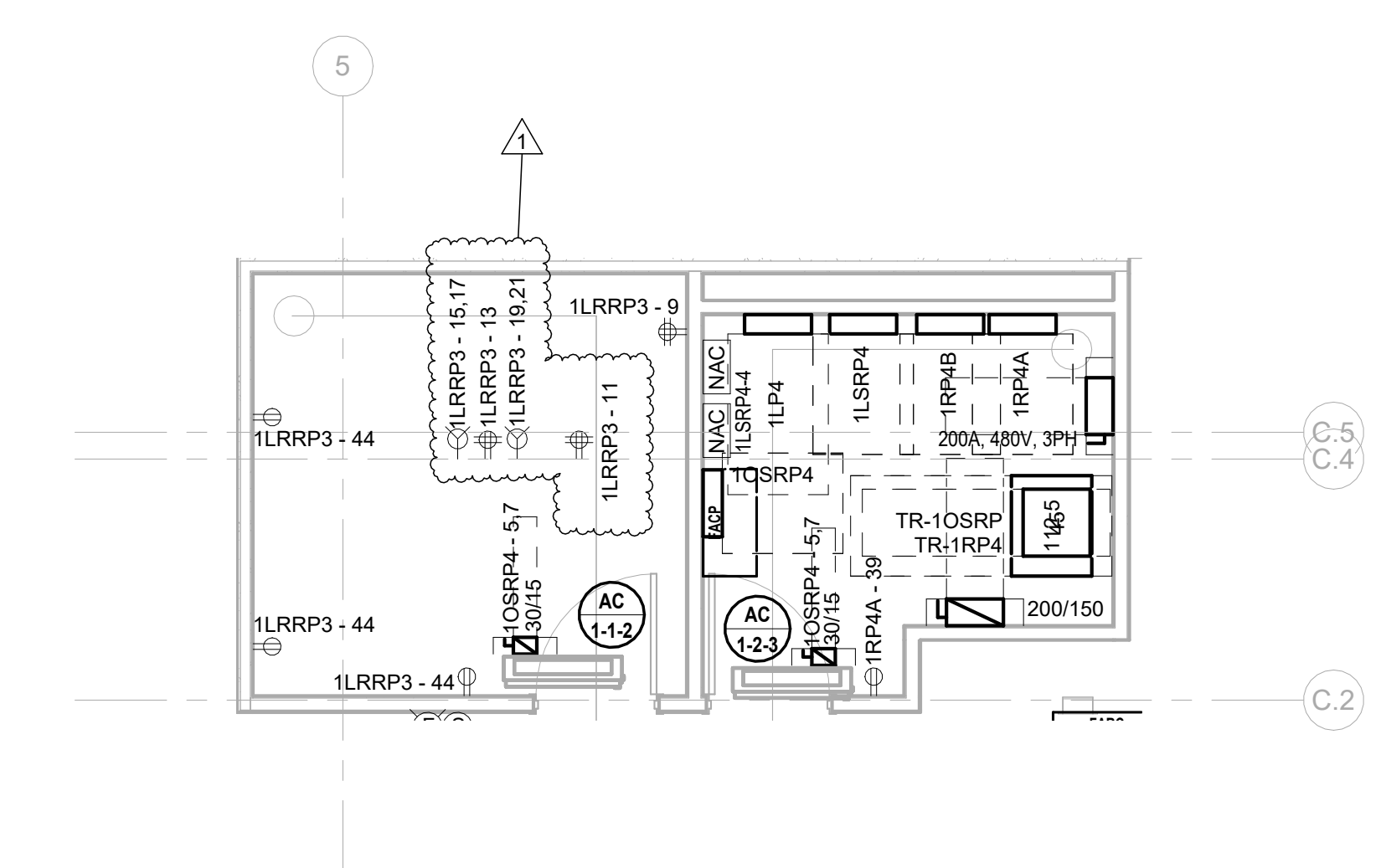
3 BUILDING NO.1 - ENLARGED GARAGE LEVEL PUMP ROOMS SCALE: 1/4" = 1'-0"



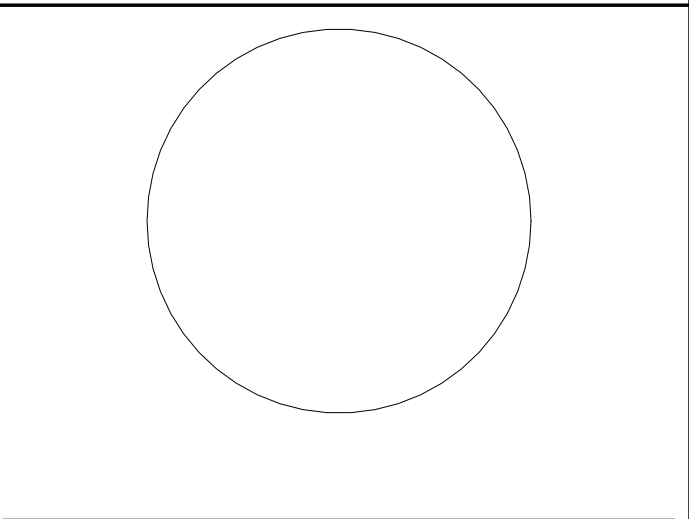
4 BUILDING NO.1 - ENLARGED ELEC RM 1206 SCALE: 1/4" = 1'-0"



5 BUILDING NO.1 - ENLARGED ELEC 1303 & IT 1302 SCALE: 1/4" = 1'-0"



6 BUILDING NO.1 - ENLARGED ELEC 1403 & IT 1402 SCALE: 1/4" = 1'-0"



JOHN CHRIS MORRIS III, P.E.

ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL. THIS SEAL AND THE CONTAINED INFORMATION ARE THE PROPERTY OF THE ENGINEER AND CONTRACTOR.

Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, REVIEWED BY, PROJECT No., DATE, SCALE.

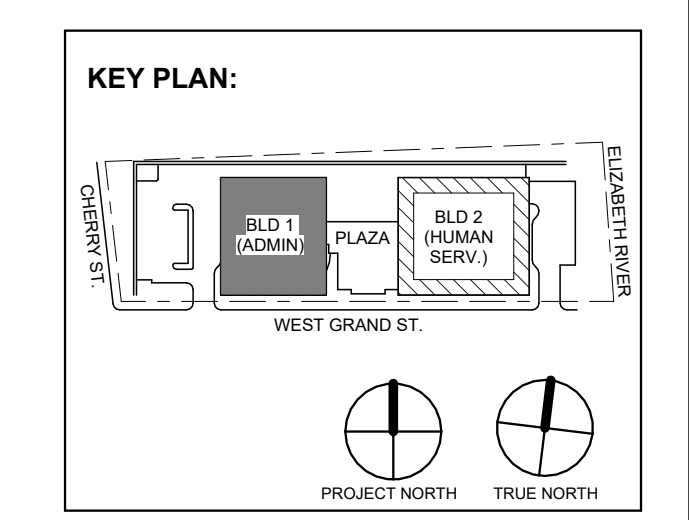


Table with columns: No., Date, Description, Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

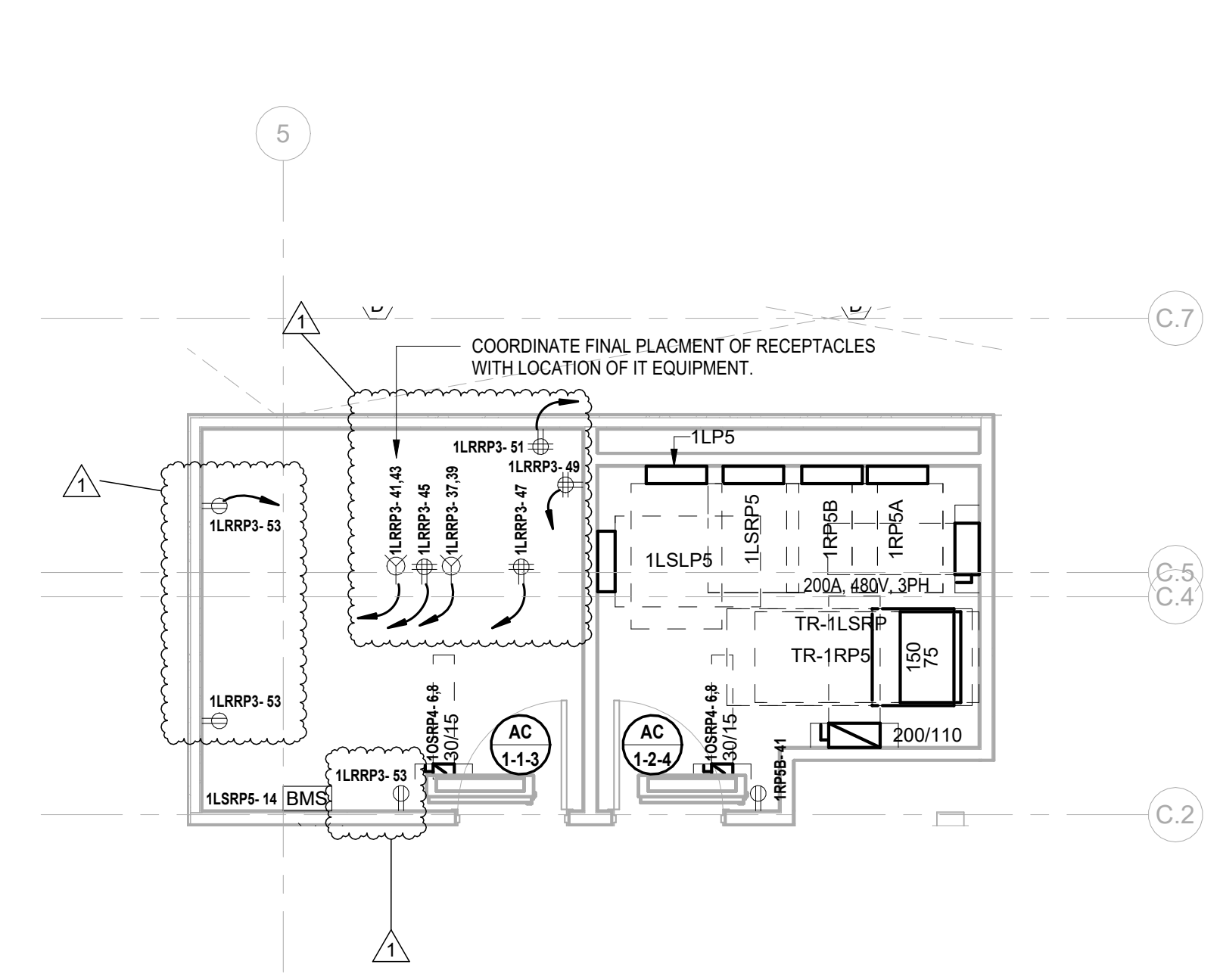
Project: UNION COUNTY GOVERNMENT COMPLEX

81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

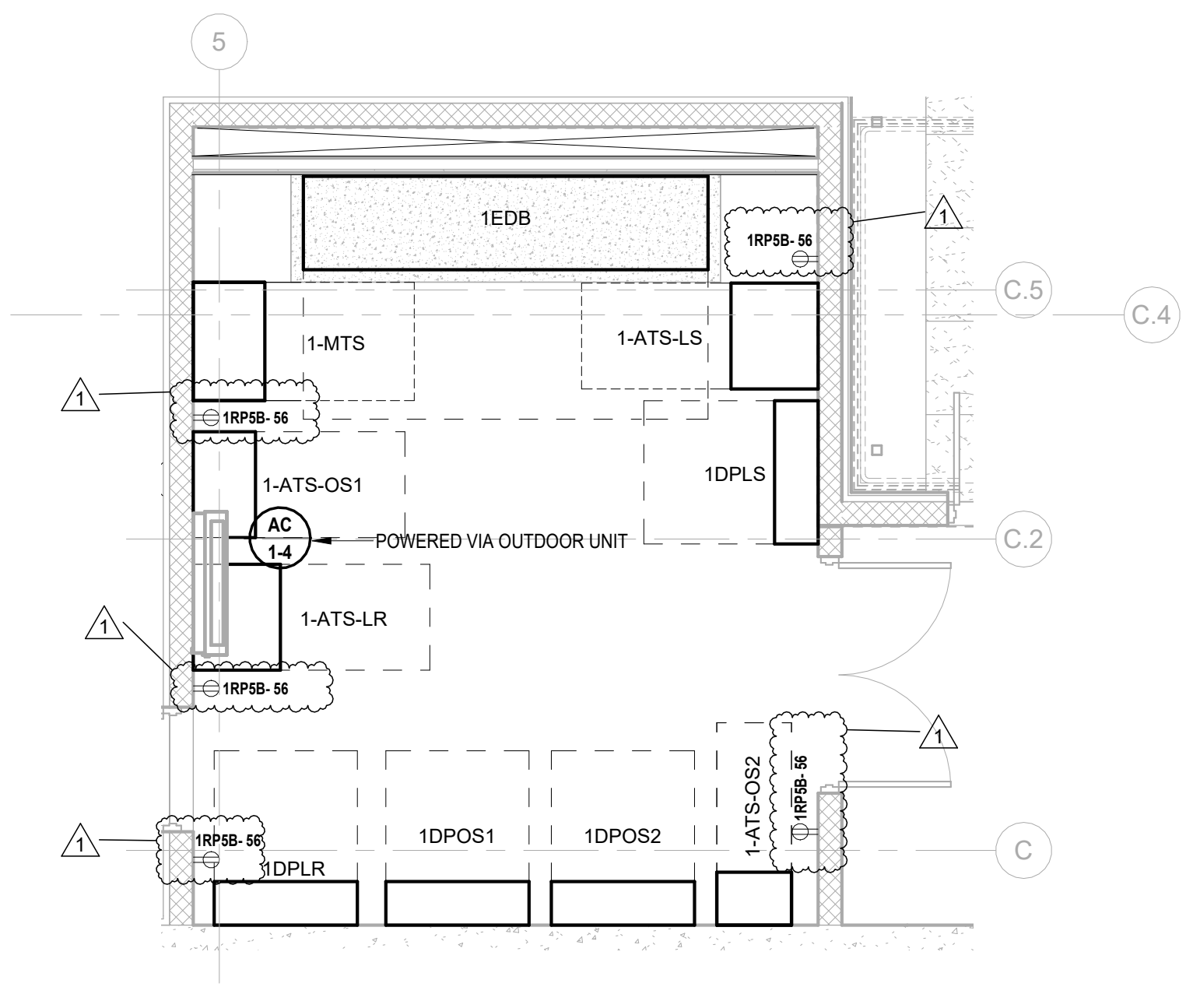
Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VJPC Checked By: JM/SH

BUILDING NO. 1 - ELECTRICAL ENLARGED PLANS

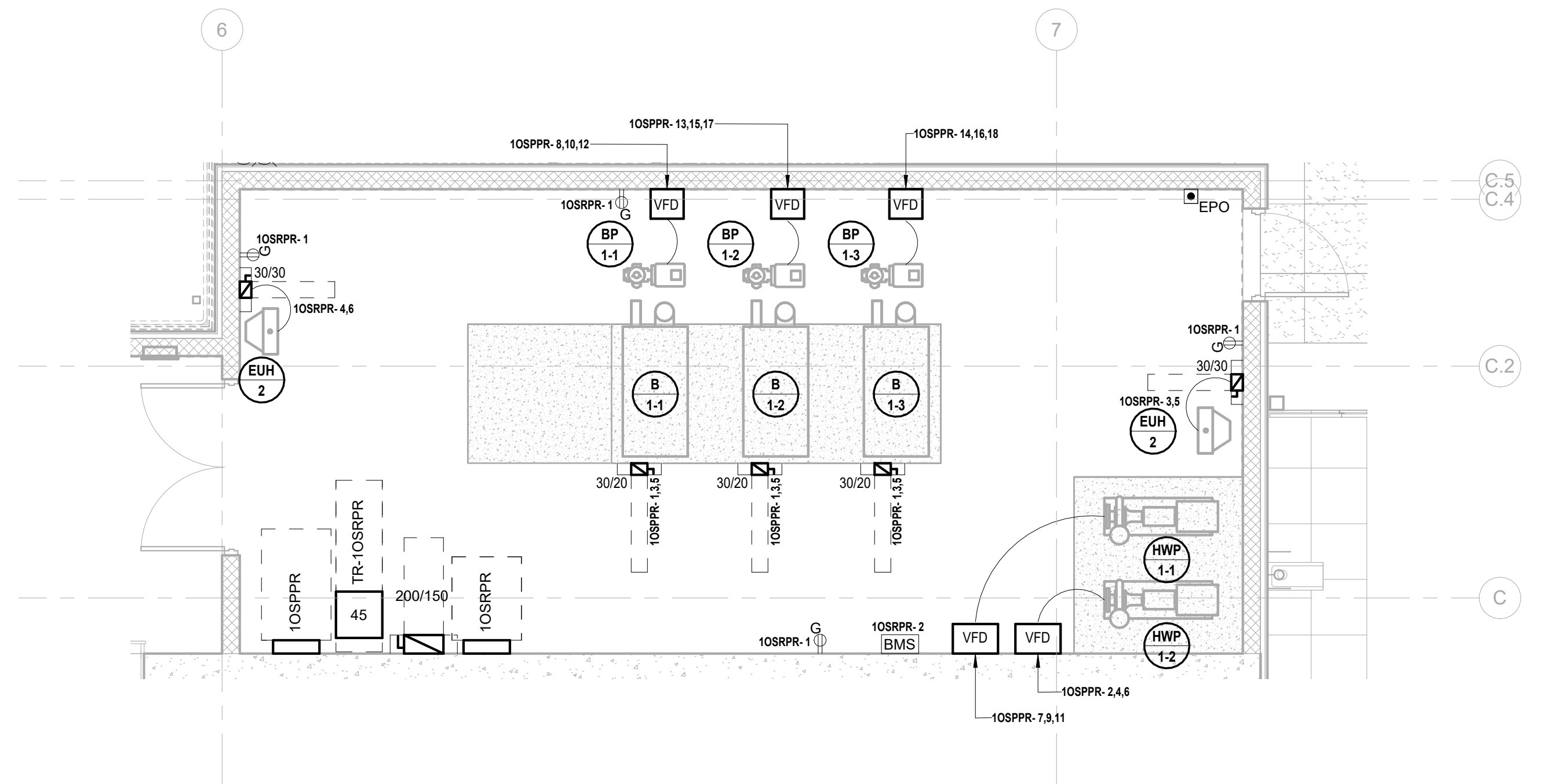
Sheet No: E-301



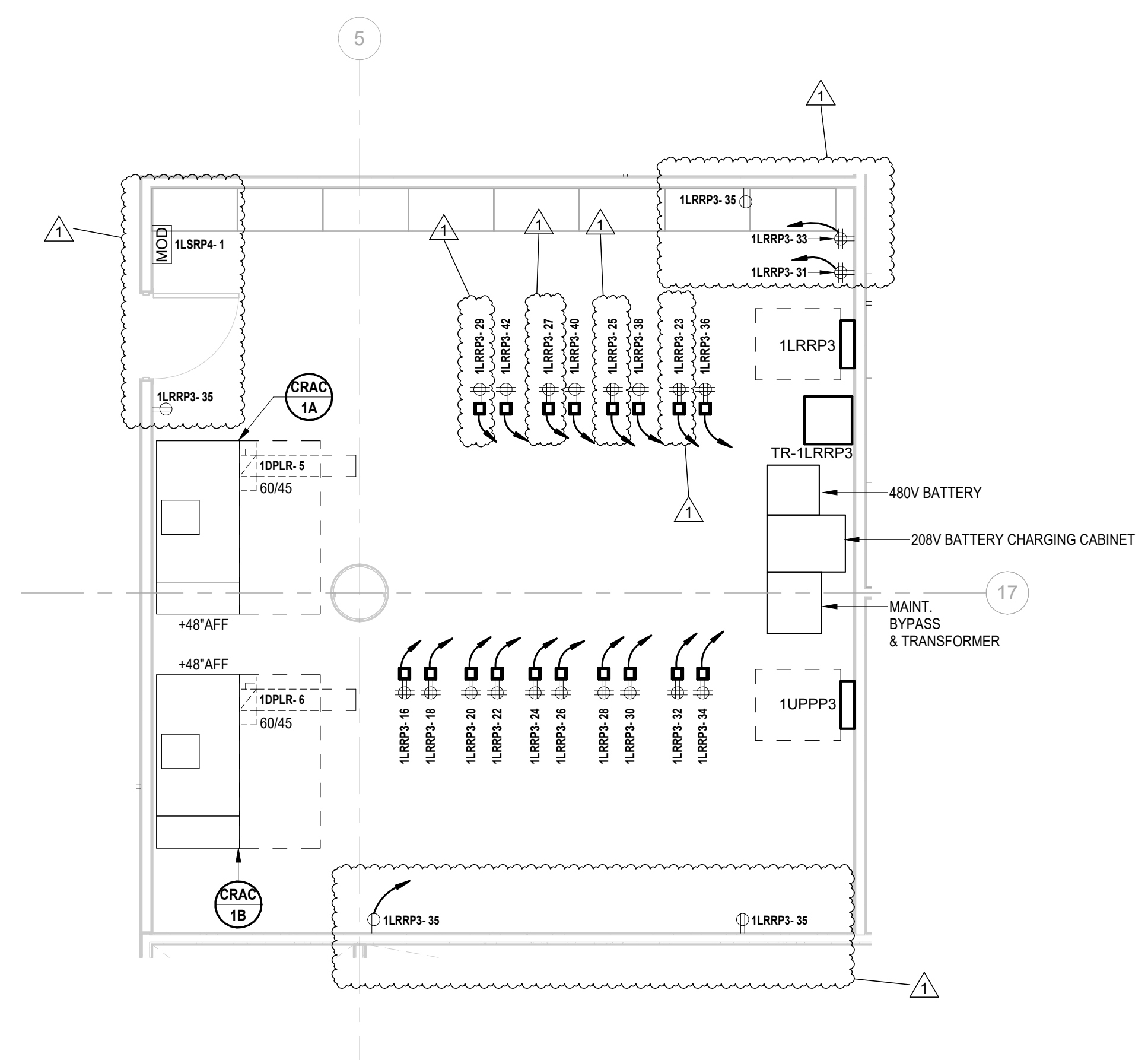
1 BUILDING NO.1 - LEVEL 5 - ELECTRICAL POWER PLAN
E-302 SCALE: 1/4" = 1'-0"



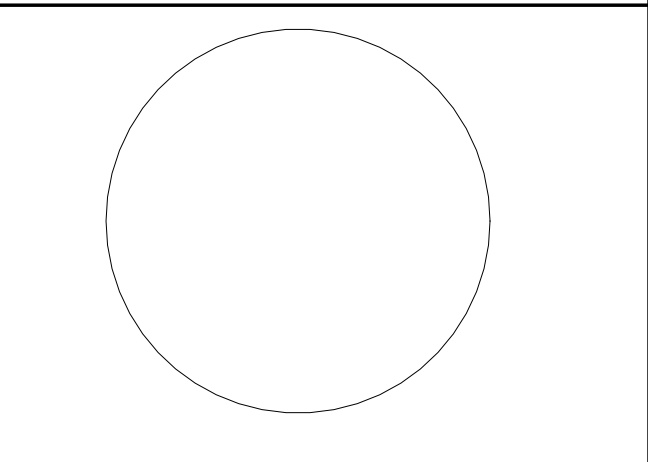
2 BUILDING NO.1 - ENLARGED EMERGENCY ELEC. RM 1602
E-302 SCALE: 1/4" = 1'-0"



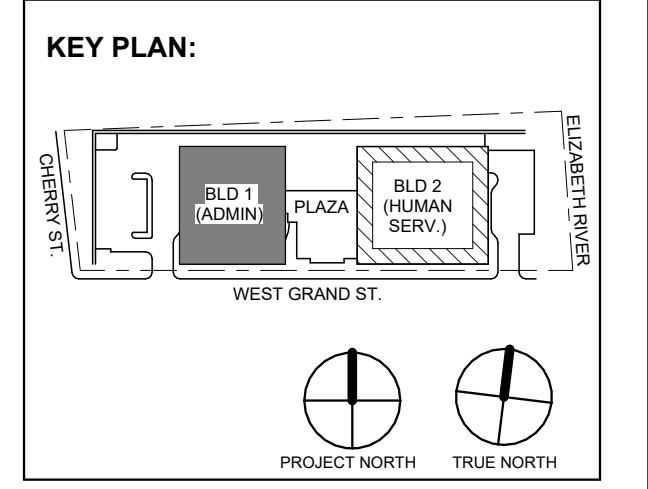
3 BUILDING NO.1 - ENLARGED BOILER ROOM 1603
E-302 SCALE: 1/4" = 1'-0"



4 BUILDING NO.1 - LEVEL 4 - ELECTRICAL POWER PLAN - DATA CENTER 1442
E-302 SCALE: 1/4" = 1'-0"



JOHN CHRIS MORRIS III, P.E.
ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL.
THIS SEAL MAY BE CONSIDERED AN OFFICIAL DOCUMENT. IT MUST BE KEPT WITH THE ORIGINAL SET OF DRAWINGS.
DESIGNED BY: J.J.L. DRAWN BY: J.J.L. CHECKED BY: S.G.S. REVIEWED BY: J.C.M.
PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid
No. Date Description
Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400
Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - ELECTRICAL ENLARGED PLANS

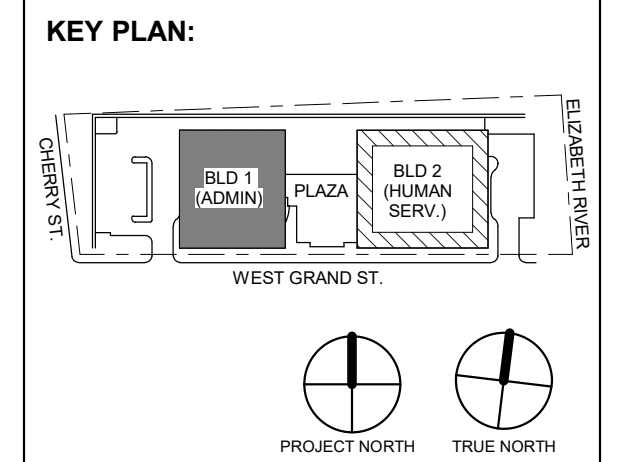
Sheet No:

E-302

H2M Associates, Inc. 119 Cherry Hill Road, Suite 110 Parsippany, NJ 07054 862.207.5500 www.h2m.com NJ Landscape Architecture Certificate No.: 21MH00010300 NJ Engineering Certificate of Authorization No.: 24GA26019100

JOHN CHRIS MORRIS III, P.E. NJ PROFESSIONAL ENGINEER (ELECTRICAL)

Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, REVIEWED BY, PROJECT No., DATE, SCALE. Includes project details like DIGA2301, 11/08/2023, AS SHOWN.



Revision table with columns: No., Date, Description, Revisions / Issues. Shows two revisions from 12/01/2023 and 11/08/2023.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 03827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

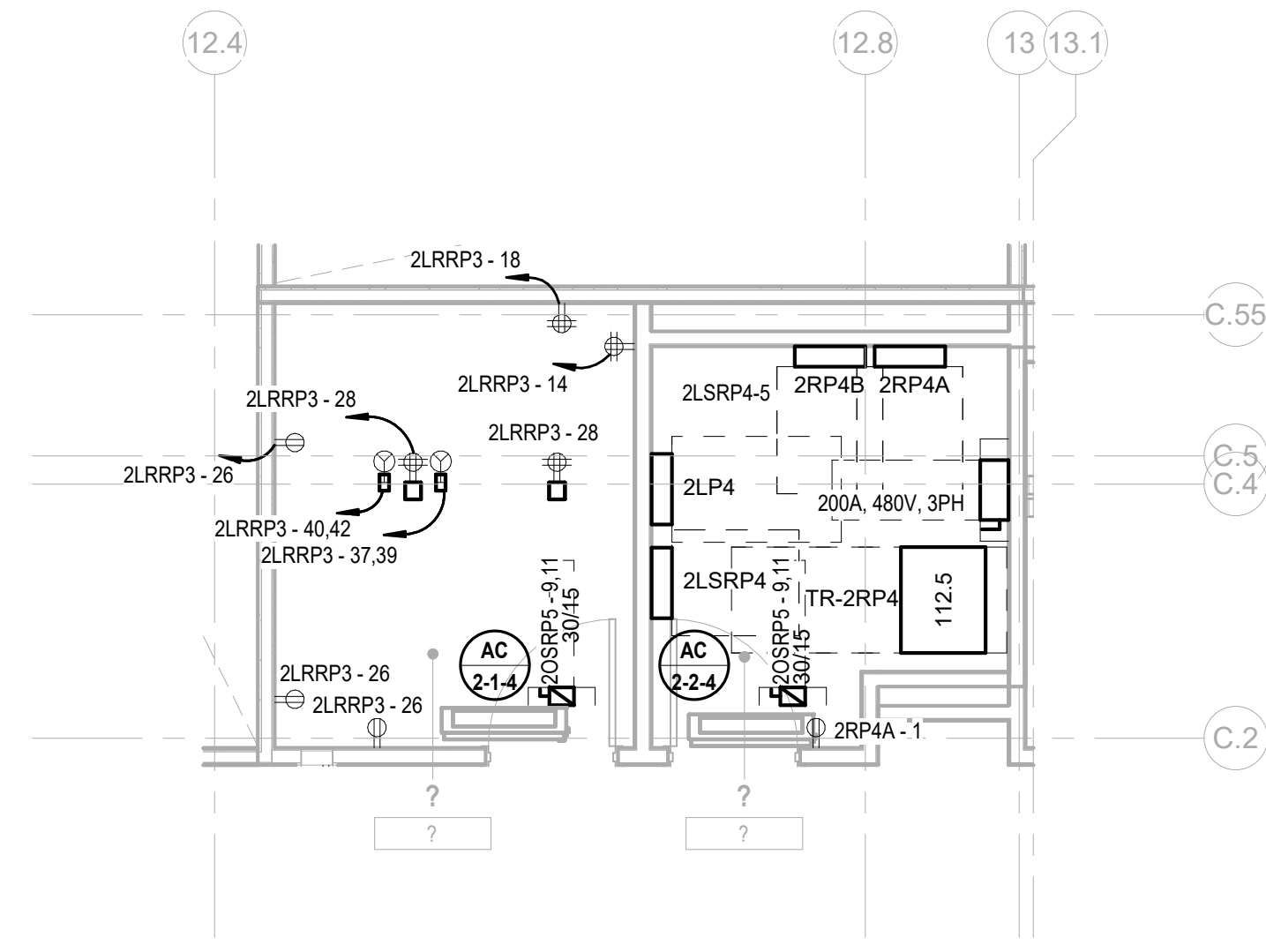
Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

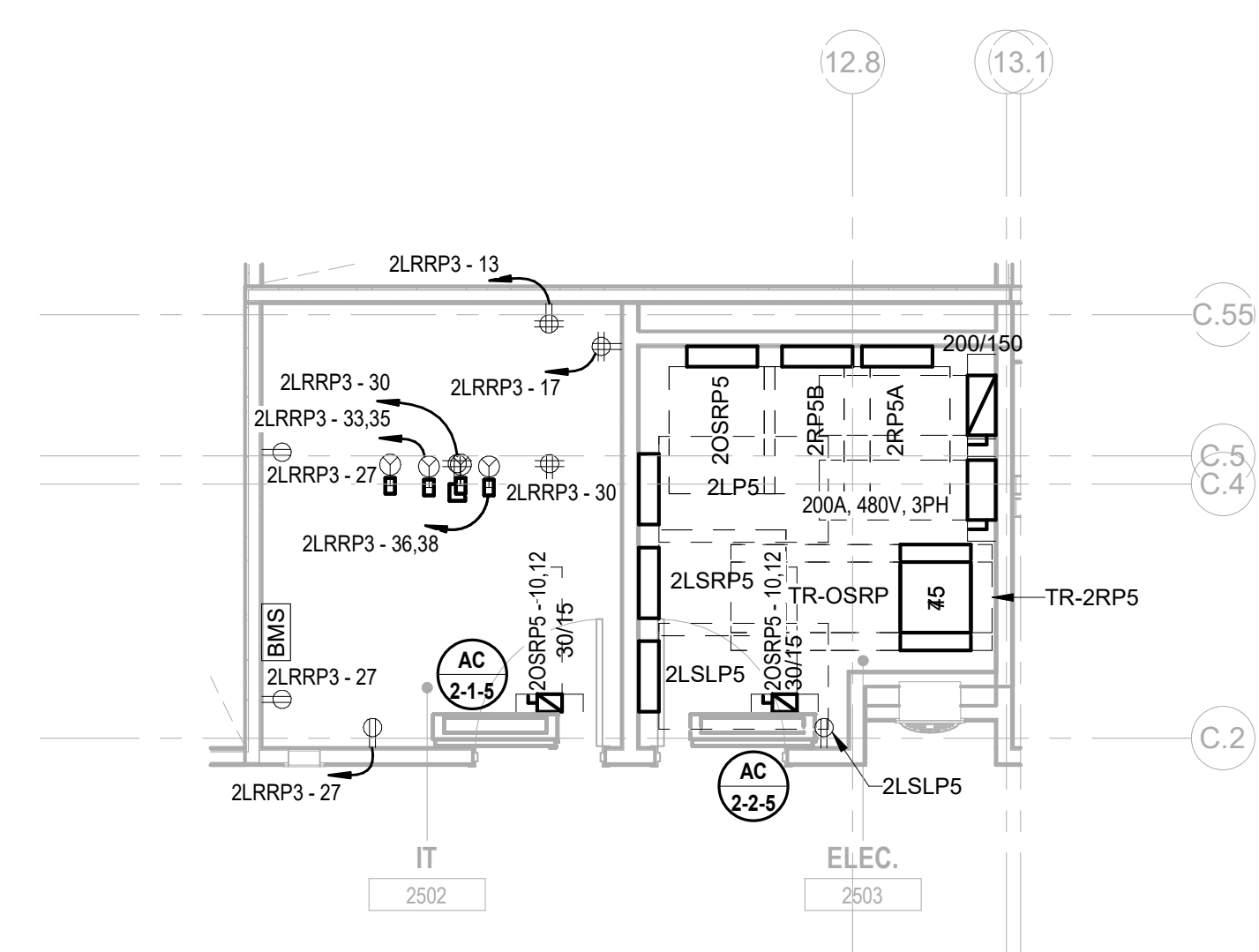
Sheet Name: BUILDING NO. 2 - ELECTRICAL ENLARGED PLANS

Sheet No:

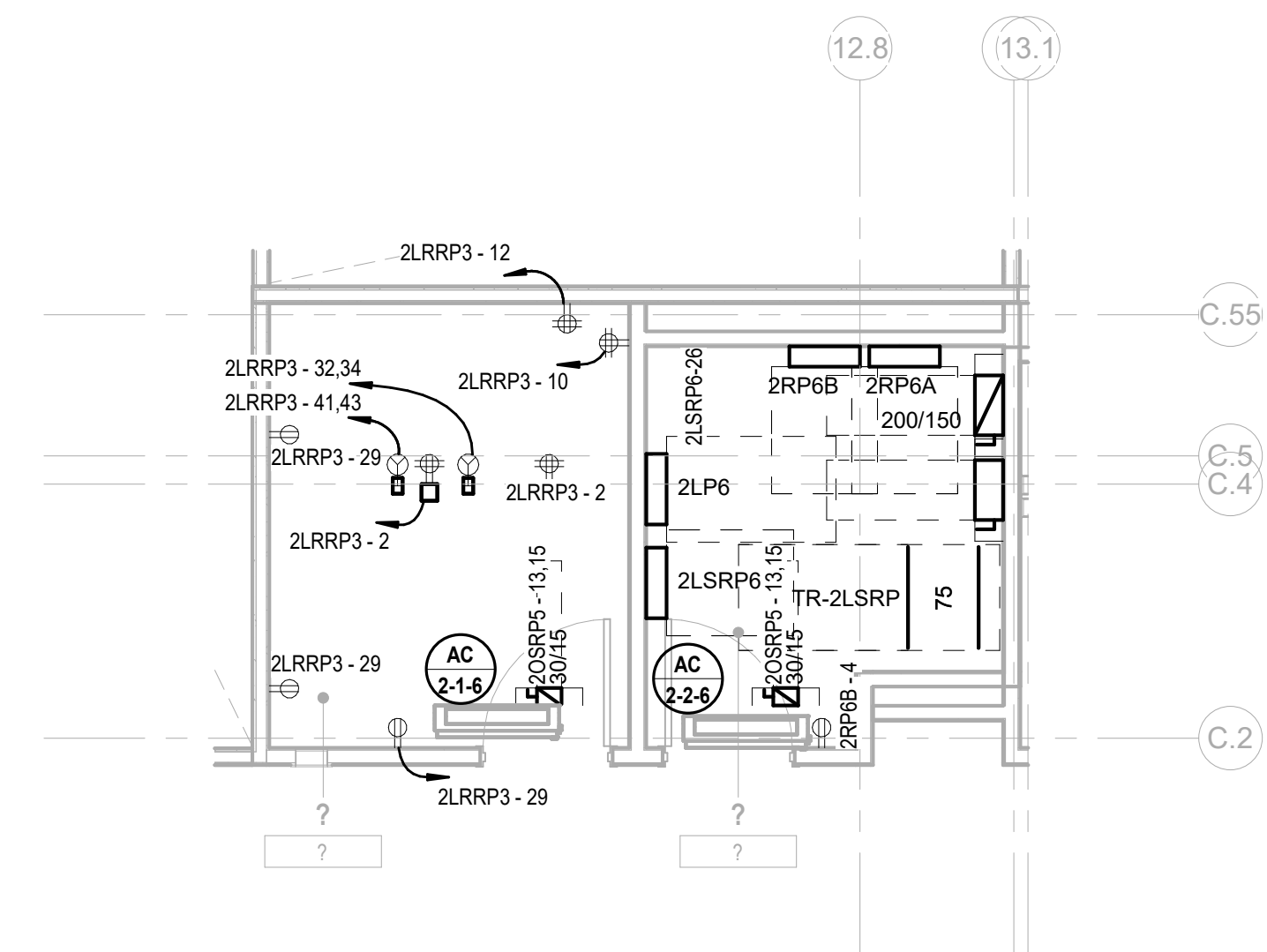
E-304



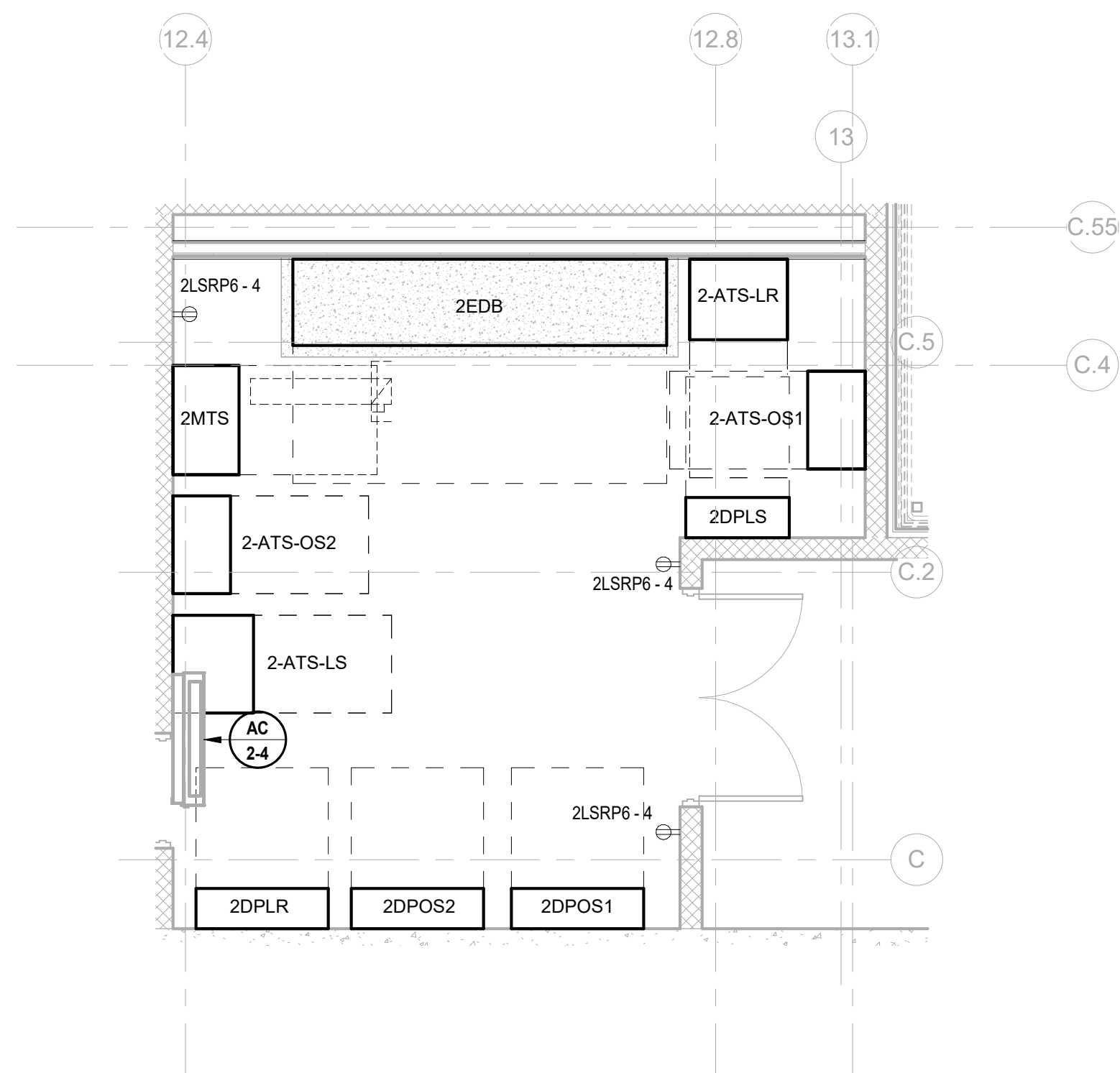
1 BUILDING NO.2 - ENLARGED ELEC 2403 & IT 2402 SCALE: 1/4" = 1'-0"



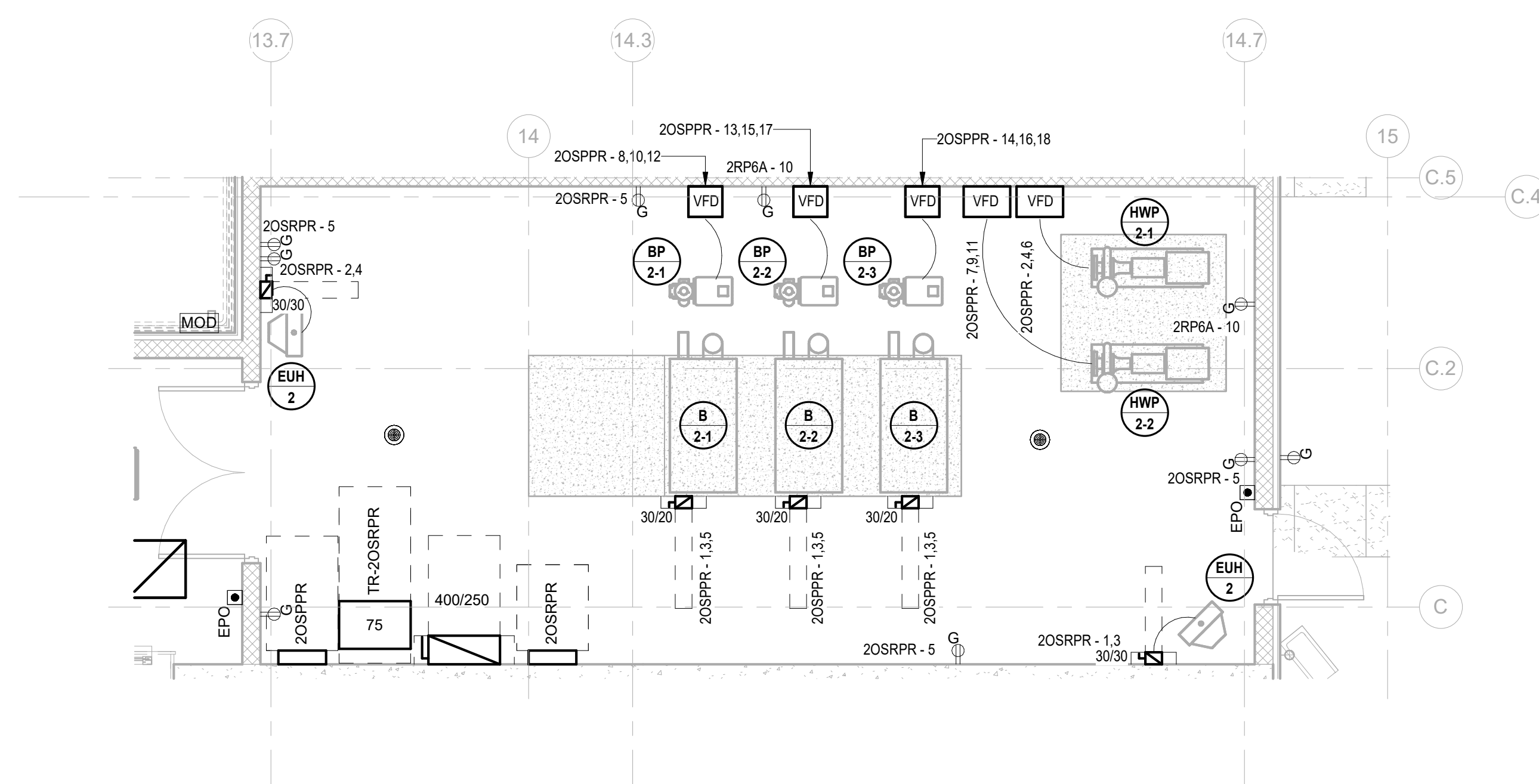
2 BUILDING NO.2 - ENLARGED ELEC 2503 & IT 2502 SCALE: 1/4" = 1'-0"



3 BUILDING NO.2 - ENLARGED ELEC 2603 & IT 2602 SCALE: 1/4" = 1'-0"



4 BUILDING NO.2 - ENLARGED EMERGENCY ELEC. RM 2702 SCALE: 1/4" = 1'-0"



5 BUILDING NO.2 - ENLARGED BOILER ROOM 2703 SCALE: 1/4" = 1'-0"

Distribution Panel: 1-MSS

Table with columns: CKT, Circuit Description, # of Poles, Trip Rating, Wire Size (H,N,G), Conduit Size, Load, Remarks. Includes details for 20 circuits and a load classification summary.

Load Classification table with columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals. Summary of electrical loads for the Distribution Panel.

Branch Panel: 1RPG

Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes details for 84 circuits.

Load Classification table for Branch Panel 1RPG, including HVAC, Heating, Motor, Receptacle, Power, and Non-Continuous loads.

Branch Panel: 1LPG

Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes details for 29 circuits.

Load Classification table for Branch Panel 1LPG, including Motor and Lighting loads.

Branch Panel: 1LSLPG

Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes details for 29 circuits.

Load Classification table for Branch Panel 1LSLPG, including Other and Lighting loads.

PANEL SCHEDULE NOTES:

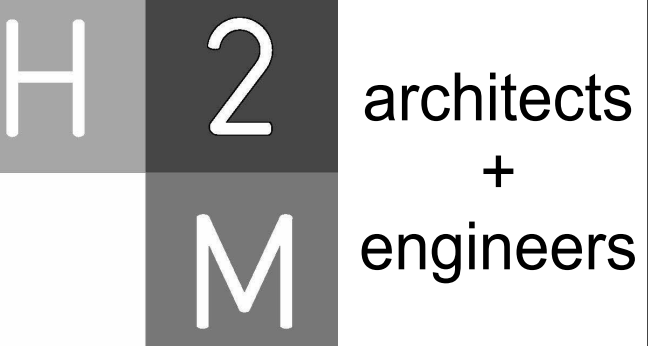
- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS: (G) = GFI CIRCUIT BREAKER, (L) = LOCK-ON DEVICE, (T) = CIRCUIT CONTROLLED THROUGH TIMECLOCK AND PHOTOCELL, etc.

- 2. ROOF TOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED, 3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION, ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID.

- 4. ALL CIRCUITS TO BE RUN WITH COPPER WIRE, ALUMINUM OR COPPER CLAD WIRE WILL NOT BE ACCEPTED, CONDUIT IS NOT ACCEPTABLE AS A GROUND, 5. ALL MATERIALS SHALL BE UL LABELED, 6. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFCI PROTECTED, 7. EC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER, 8. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS, 9. TANDEM AND HALF SPACE CIRCUIT BREAKER WILL NOT BE APPROVED.

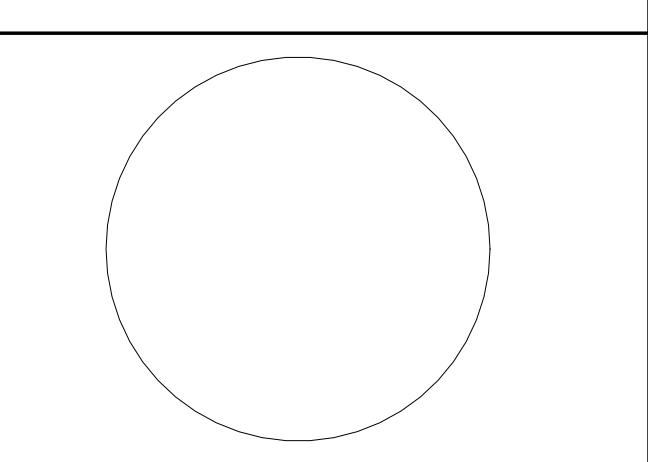
PANEL SCHEDULE KEYED NOTES:

- 1) PROVIDE (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED. COORDINATE FINAL POWER REQUIREMENTS WITH FURNITURE MANUFACTURER.



H2M Associates, Inc. 119 Cherry Hill Road, Suite 110 Parsippany, NJ 07054 862.207.5900 www.h2m.com

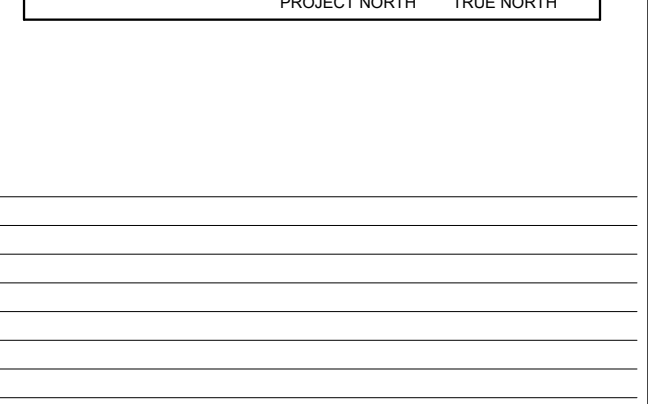
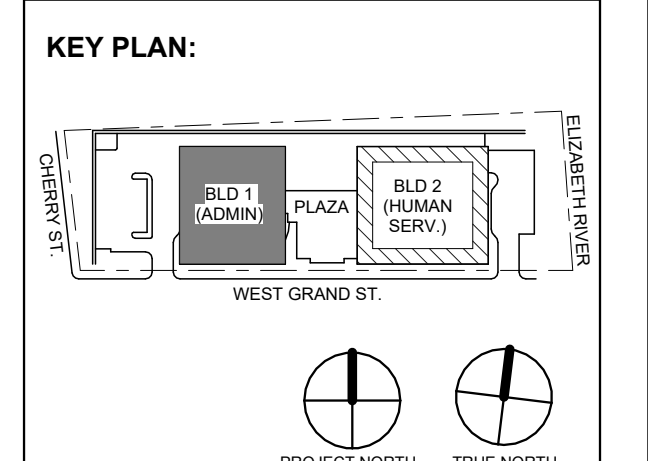
NJ Landscape Architecture Certificate No. 21MH00010300 NJ Engineering Certificate of Authorization No. 246A28019100



JOHN CHRIS MORRIS III, P.E. PROFESSIONAL ENGINEER IN MECHANICAL

DESIGNED BY: JML DRAWN BY: JML CHECKED BY: JML REVIEWED BY: JML

PROJECT NO: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



1 12/01/2023 Addendum No. 01 11/08/2023 For Public Bid

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11/08/2023 Drawn By: JBA/AVPC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - ELECTRICAL SCHEDULES

Sheet No: E-502

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11/08/2023 Drawn By: JBA/AVPC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - ELECTRICAL SCHEDULES

Sheet No: E-502

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Confidential and Proprietary / © DIGroupArchitecture 2023. Unauthorized reproduction or other use of these drawings or ideas is prohibited.

PANEL SCHEDULE NOTES:

- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS: (G) = GFI CIRCUIT BREAKER (L) = LOCK-ON DEVICE (T) = CIRCUIT CONTROLLED THROUGH TIMECLOCK AND PHOTOCELL EXAMPLE: "POWER OUTLET (G) (L) REQUIRES A GFI CIRCUIT BREAKER WITH A LOCK-ON DEVICE. 2. ROOFTOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED. 3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID. 4. ALL CIRCUITS TO BE RUN WITH COPPER WIRE. ALUMINUM OR COPPER CLAD WIRE WILL NOT BE ACCEPTED. CONDUIT IS NOT ACCEPTABLE AS A GROUND. 5. ALL MATERIALS SHALL BE UL LABELLED. 6. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFCI PROTECTED. 7. EC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER. 8. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS. 9. TANDEM AND HALF SPACE CIRCUIT BREAKER WILL NOT BE APPROVED.

PANEL SCHEDULE KEYED NOTES:

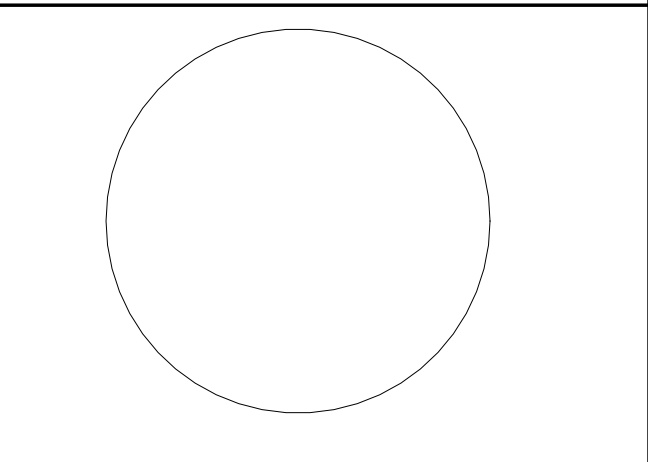
- 1. PROVIDE (3) PHASE CONDUCTORS, (2) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED. COORDINATE FINAL POWER REQUIREMENTS WITH FURNITURE MANUFACTURER.

Branch Panel: 1LSRPG Location: ELEC 1010 Supply From: 1LSRPS Mounting: Surface Enclosure: NEMA 1. Includes circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, Wire Size, Conduit Size, A, B, C, and Panel Totals.

Branch Panel: 1LRPPG Location: ELEC 1010 Supply From: 1DPLR Mounting: Surface Enclosure: NEMA 1. Includes circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, Wire Size, Conduit Size, A, B, C, and Panel Totals.

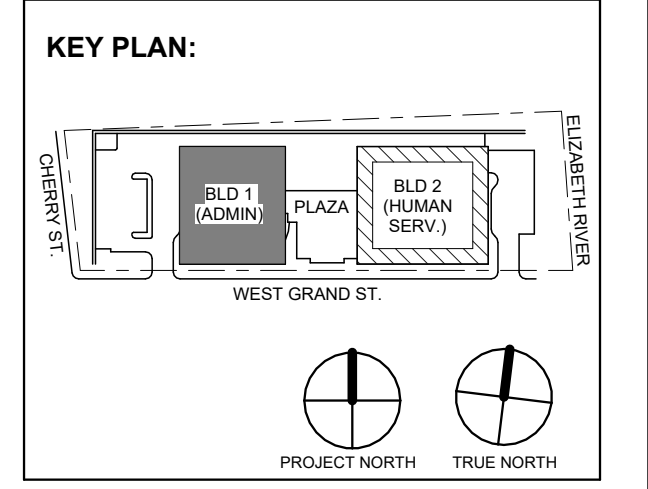
Branch Panel: 1LRRPG Location: ELEC 1010 Supply From: TR-1LRRPG Mounting: Surface Enclosure: NEMA 1. Includes circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, Wire Size, Conduit Size, A, B, C, and Panel Totals.

Branch Panel: 1OSRPG Location: ELEC 1010 Supply From: TR-1OSRPG Mounting: Surface Enclosure: NEMA 1. Includes circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, Wire Size, Conduit Size, A, B, C, and Panel Totals.



JOHN CHRIS MORRIS III, P.E. NJ PROFESSIONAL ENGINEER License No. 358886

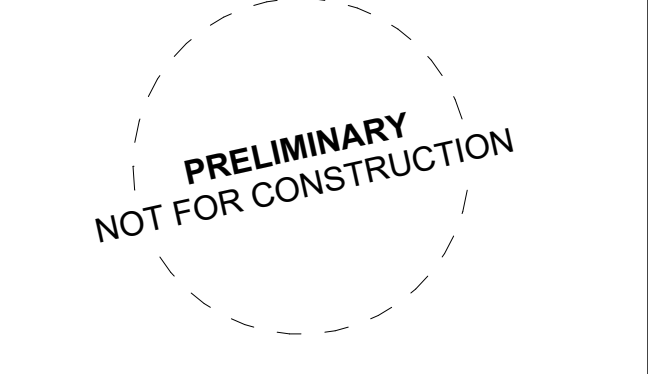
DESIGNED BY: JUL DRAWN BY: JML CHECKED BY: SGS SCALE: JCM PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



1 12/01/2023 Addendum No. 01 11/08/2023 For Public Bid No. Date Description Revisions / Issues

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11/08/2023 Drawn By: JBAV/PC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - ELECTRICAL SCHEDULES

Sheet No: E-503

PANEL SCHEDULE NOTES:

- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS:
(G) = GFI CIRCUIT BREAKER
(L) = LOCK ON DEVICE
(T) = CIRCUIT CONTROLLED THROUGH TIMELOCK AND PHOTOCELL
EXAMPLE: *POWER OUTLET (G) (L) *REQUIRES A GFI CIRCUIT BREAKER WITH A LOCK-ON DEVICE
2. ROOFTOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED
3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID.
4. ALL CIRCUITS TO BE RUN WITH COPPER WIRE. ALUMINUM OR COPPER CLAD WIRE WILL NOT BE ACCEPTED. CONDUIT IS NOT ACCEPTABLE AS A GROUND.
5. ALL MATERIALS SHALL BE UL LABELLED.
6. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFCI PROTECTED.
7. EC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER.
8. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS.
9. TANDEM AND HALF SPACE CIRCUIT BREAKER WILL NOT BE APPROVED.

H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5900 www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH0010300
NJ Engineering Certificate of Authorization No.: 24GA28019100

- PANEL SCHEDULE KEYED NOTES:
(1) PROVIDE (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SHEET SHOWN FOR 3 PHASE FURNITURE FEED. COORDINATE FINAL POWER REQUIREMENTS WITH FURNITURE MANUFACTURER.

Branch Panel: 1LP2
Location: ELEC 1206
Supply From: 1-MSS
Mounting: Surface
Enclosure: NEMA 1
Volts: 480/277 Wye
Phases: 3
Wires: 4
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A
Feed Through Lugs: No

Table with 15 columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes rows for Lighting, SPARE, and Total Load/Amperage.

Load Classification table with columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes rows for Lighting - Dwelling Unit, Other, and Lighting.

Notes:

Branch Panel: 1RP2A
Location: ELEC 1206
Supply From: TR-1RP2
Mounting: Surface
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A
Feed Through Lugs: Yes

Table with 15 columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes rows for RECEPT, LIGHTING, and SPARE.

Load Classification table with columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes rows for Motor, Other, Power - General, Receptacle, and Non-Continuous.

Notes:

Branch Panel: 1RP2B
Location: ELEC 1206
Supply From: 1RP2A
Mounting: Surface
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
Mains Type: MLO
Mains Rating: 400 A
Feed Through Lugs: No

Table with 15 columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes rows for RECPS, RECEPT, and SPARE.

Load Classification table with columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes rows for Power - General, Receptacle, and Non-Continuous.

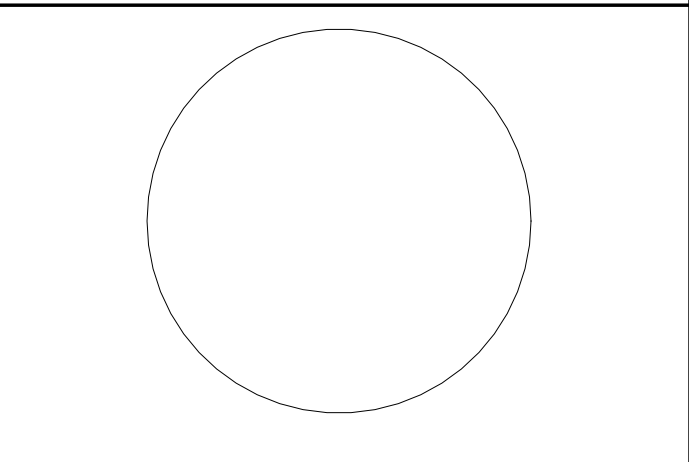
Notes:

Branch Panel: 1LSRP2
Location: ELEC 1206
Supply From: 1LSRP5
Mounting: Surface
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 50 A
Feed Through Lugs: No

Table with 15 columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes rows for FIRE SMOKE DAMPERS, NAC PNL LEVEL 2, and SPARE.

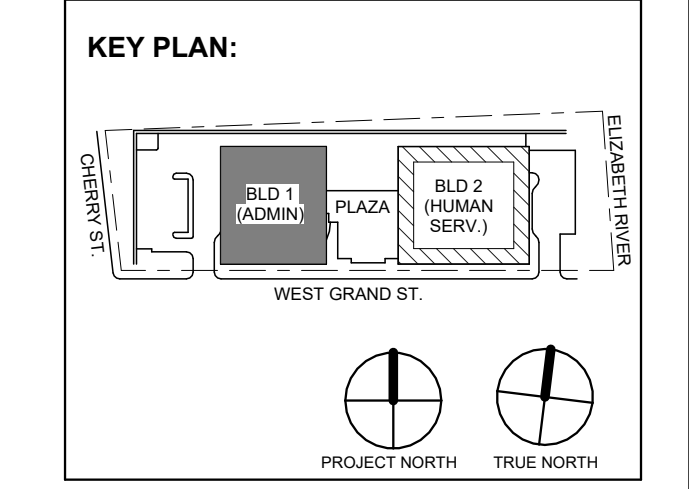
Load Classification table with columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes rows for Other and Non-Continuous.

Notes:



JOHN CHRIS MORRIS III, P.E.
Professional Engineer in the State of New Jersey

DESIGNED BY: JUL CHECKED BY: JCM
DATE: 11/08/2023 SCALE: AS SHOWN



1 12/01/2023 Addendum No. 01
11/08/2023 For Public Bid
No. Date Description
Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11/08/2023
Drawn By: JBAV/PC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - ELECTRICAL SCHEDULES

Sheet No:
E-504

PANEL SCHEDULE NOTES:

- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS: (G) = GFI CIRCUIT BREAKER (L) = LOCK-ON DEVICE (T) = CIRCUIT CONTROLLED THROUGH TIMELOCK AND PHOTOCELL... 2. ROOFTOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED... 3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG...

- 4. ALL CIRCUITS TO BE RUN WITH COPPER WIRE... 5. ALL MATERIALS SHALL BE UL LABELED... 6. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFCI PROTECTED... 7. ETC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER...

- 8. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS... 9. TANDEM AND HALF SPACE CIRCUIT BREAKER WILL NOT BE APPROVED.

PANEL SCHEDULE KEYED NOTES:

- (1) PROVIDE (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED. COORDINATE FINAL POWER REQUIREMENTS WITH FURNITURE MANUFACTURER.

Branch Panel: 1LP3. Location: ELEC 1303. Supply From: 1-MSS. Mounting: Surface. Enclosure: NEMA 1. A.I.C. Rating: 65kA. Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 50 A. Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT.

Load Classification table for Branch Panel 1LP3. Columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals.

Notes:

Branch Panel: 1RP3A. Location: ELEC 1303. Supply From: TR-1RP3. Mounting: Surface. Enclosure: NEMA 1. A.I.C. Rating: 22kA. Mains Type: MLO. Mains Rating: 400 A. MCB Rating: 400 A. Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT.

Load Classification table for Branch Panel 1RP3A. Columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals.

Notes:

Branch Panel: 1RP3B. Location: ELEC 1303. Supply From: 1RP3A. Mounting: Surface. Enclosure: NEMA 1. A.I.C. Rating: 22kA. Mains Type: MLO. Mains Rating: 400 A. Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT.

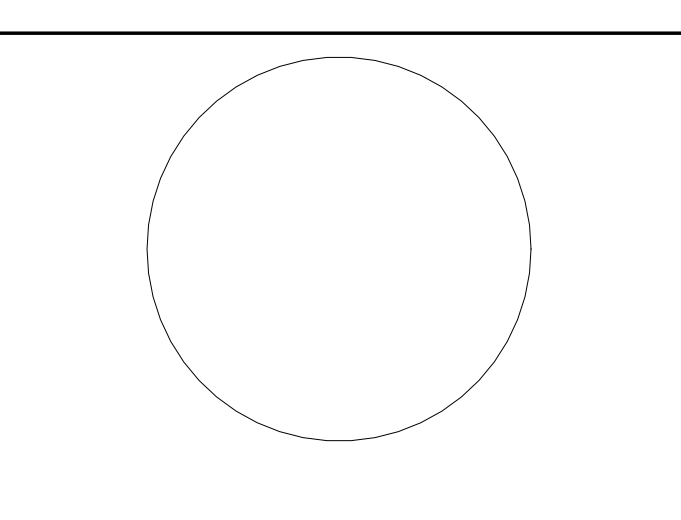
Load Classification table for Branch Panel 1RP3B. Columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals.

Notes:

Branch Panel: 1LSLP3. Location: ELEC 1303. Supply From: 1DPLS. Mounting: Surface. Enclosure: NEMA 1. A.I.C. Rating: 65kA. Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 50 A. Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT.

Load Classification table for Branch Panel 1LSLP3. Columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals.

Notes:



JOHN CHRIS MORRIS III, P.E. PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY

Revision table with columns: No., Date, Description, Revisions / Issues.

PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN

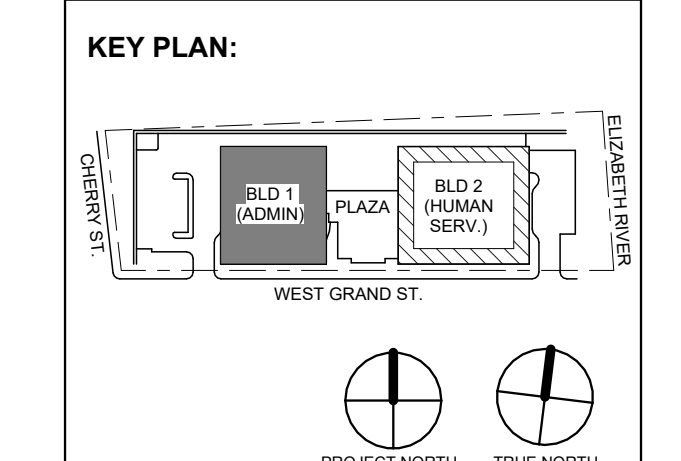


Table with columns: No., Date, Description, Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3000

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX

81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - ELECTRICAL SCHEDULES

Sheet No:

E-505

PANEL SCHEDULE NOTES:

- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS: (G) = GFI CIRCUIT BREAKER (L) = LOCK-ON DEVICE (T) = CIRCUIT CONTROLLED THROUGH TIMECLOCK AND PHOTOCELL. EXAMPLE: "POWER OUTLET (G) (L) REQUIRES A GFI CIRCUIT BREAKER WITH A LOCK-ON DEVICE. 2. ROOFTOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED. 3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID. 4. ALL CIRCUITS TO BE RUN WITH COPPER WIRE. ALUMINUM OR COPPER CLAD WIRE WILL NOT BE ACCEPTED. CONDUIT IS NOT ACCEPTABLE AS A GROUND. 5. ALL MATERIALS SHALL BE UL LABELED. 6. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFCI PROTECTED. 7. ETC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER. 8. INSTALL NO MORE THAN THE EQUIVALENT OF (5) 90 DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS. 9. TANDEM AND HALF SPACE CIRCUIT BREAKER WILL NOT BE APPROVED.

PANEL SCHEDULE KEYED NOTES:

- 1. PROVIDE (3) PHASE CONDUCTORS, (2) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED. COORDINATE FINAL POWER REQUIREMENTS WITH FURNITURE MANUFACTURER.

Branch Panel: 1LSRP3

Table for Branch Panel: 1LSRP3. Location: ELEC 1303. Supply From: TR-10SRP. Mounting: Surface. Enclosure: NEMA 1. Volts: 120/208 Wye. Phases: 3. Wires: 4. A.I.C. Rating: 22kA. Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 50 A. Feed Through Lugs: No. Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes a load classification summary table at the bottom.

Branch Panel: 1OSRP3

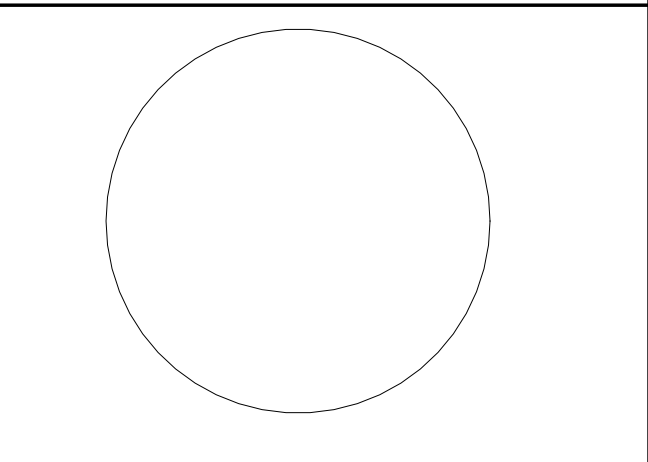
Table for Branch Panel: 1OSRP3. Location: ELEC 1303. Supply From: TR-10SRP. Mounting: Surface. Enclosure: NEMA 1. Volts: 120/208 Wye. Phases: 3. Wires: 4. A.I.C. Rating: 22kA. Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 50 A. Feed Through Lugs: No. Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes a load classification summary table at the bottom.

Branch Panel: 1LP4

Table for Branch Panel: 1LP4. Location: ELEVATOR LOBBY 1401. Supply From: 1-MISS. Mounting: Surface. Enclosure: NEMA 1. Volts: 480/277 Wye. Phases: 3. Wires: 4. A.I.C. Rating: 65kA. Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 50 A. Feed Through Lugs: No. Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes a load classification summary table at the bottom.

Branch Panel: 1RP4A

Table for Branch Panel: 1RP4A. Location: ELEVATOR LOBBY 1401. Supply From: TR-1RP4. Mounting: Surface. Enclosure: NEMA 1. Volts: 120/208 Wye. Phases: 3. Wires: 4. A.I.C. Rating: 22kA. Mains Type: MLO. Mains Rating: 400 A. MCB Rating: 400 A. Feed Through Lugs: Yes. Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes a load classification summary table at the bottom.



JOHN CHRIS MORRIS III, P.E.

ALTERNATE TO THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IN THE STATE OF NEW JERSEY. THIS SHALL NOT BE CONSIDERED AN ADDITIONAL DOCUMENT. REVISIONS TO THE ORIGINAL DOCUMENT SHALL BE INDICATED BY THE REVISION NUMBER AND DATE.

Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, REVIEWED BY, PROJECT No., DATE, SCALE. Values: J.J.L., J.J.L., J.J.L., J.C.M., DIGA2301, 11/08/2023, AS SHOWN.

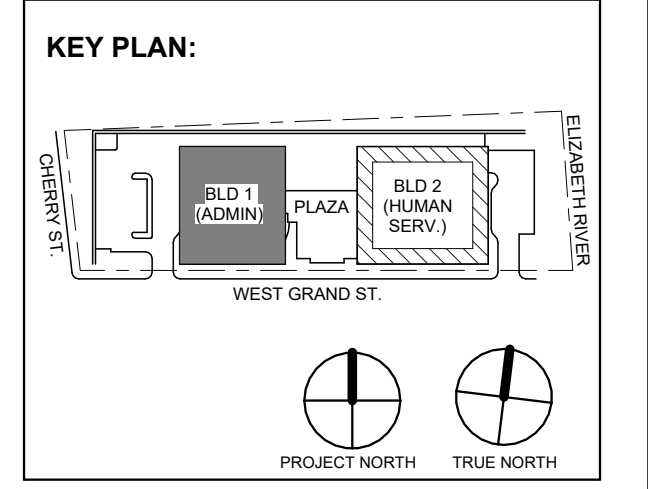


Table with columns: No., Date, Description, Revisions / Issues. Row 1: 1, 12.01.2023, Addendum No. 01, 11.08.2023, For Public Bid.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6342 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

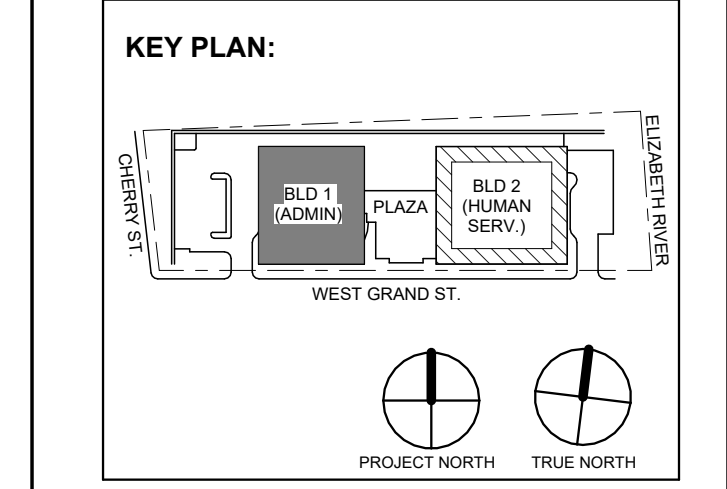
Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBAV/PC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - ELECTRICAL SCHEDULES

Sheet No: E-506



PANEL SCHEDULE NOTES:

- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS: (G) = GFI CIRCUIT BREAKER (L) = LOCK-ON DEVICE (T) = CIRCUIT CONTROLLED THROUGH TIMELOCK AND PHOTOCELL. EXAMPLE: *POWER OUTLET (G) (L) *REQUIRES A GFI CIRCUIT BREAKER WITH A LOCK-ON DEVICE. 2. ROOFTOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED. 3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID. 4. ALL CIRCUITS TO BE RUN WITH COPPER WIRE. ALUMINUM OR COPPER CLAD WIRE WILL NOT BE ACCEPTED. CONDUIT IS NOT ACCEPTABLE AS A GROUND. 5. ALL MATERIALS SHALL BE UL LABELED. 6. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFCI PROTECTED. 7. ETC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER. 8. INSTALL NO MORE THAN THE EQUIVALENT OF (6) 90 DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS. 9. TANDEM AND HALF SPACE CIRCUIT BREAKER WILL NOT BE APPROVED.

- PANEL SCHEDULE KEYED NOTES: 1. PROVIDE (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED. COORDINATE FINAL POWER REQUIREMENTS WITH FURNITURE MANUFACTURER.

Branch Panel: 1RP4B. Location: ELEVATOR LOBBY 1401. Supply From: 1RP4A. Mounting: Surface. Enclosure: NEMA 1. A.I.C. Rating: 22kA. Mains Type: MLO. Mains Rating: 400 A. Table with 16 columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification table and notes.

Branch Panel: 1LSRP4. Location: ELEVATOR LOBBY 1401. Supply From: 1LSRP5. Mounting: Surface. Enclosure: NEMA 1. A.I.C. Rating: 22kA. Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 50 A. Table with 16 columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification table and notes.

Branch Panel: 1OSRP4. Location: ELEVATOR LOBBY 1401. Supply From: TR-1OSRP. Mounting: Surface. Enclosure: NEMA 1. A.I.C. Rating: 22kA. Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 50 A. Table with 16 columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification table and notes.

Branch Panel: 1LP5. Location: ELEC 1503. Supply From: 1-MSS. Mounting: Surface. Enclosure: NEMA 1. A.I.C. Rating: 65kA. Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 50 A. Table with 16 columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification table and notes.

Branch Panel: 1RP5A

Location: ELEC 1503
Supply From: TR-1RP5
Mounting: Surface
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
Feed Through Lugs: Yes
A.I.C. Rating: 22kA
Mains Type: MLO
Mains Rating: 400 A
MCB Rating: 400 A

Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification and demand factor summary.

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Summary of electrical loads.

Notes:

Branch Panel: 1LSLP5

Location: ELEC 1503
Supply From: 1DPLS
Mounting: Surface
Enclosure: NEMA 1
Volts: 480/277 Wye
Phases: 3
Wires: 4
Feed Through Lugs: No
A.I.C. Rating: 65kA
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 50 A

Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification and demand factor summary.

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Summary of electrical loads.

Notes:

Branch Panel: 1RP5B

Location: ELEC 1503
Supply From: 1RP5A
Mounting: Surface
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
Feed Through Lugs: No
A.I.C. Rating: 22kA
Mains Type: MLO
Mains Rating: 400 A

Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification and demand factor summary.

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Summary of electrical loads.

Notes:

Branch Panel: 1LSRP5

Location: ELEC 1503
Supply From: TR-1LSRP
Mounting: Surface
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
Feed Through Lugs: No
A.I.C. Rating: 42kA
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A

Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification and demand factor summary.

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Summary of electrical loads.

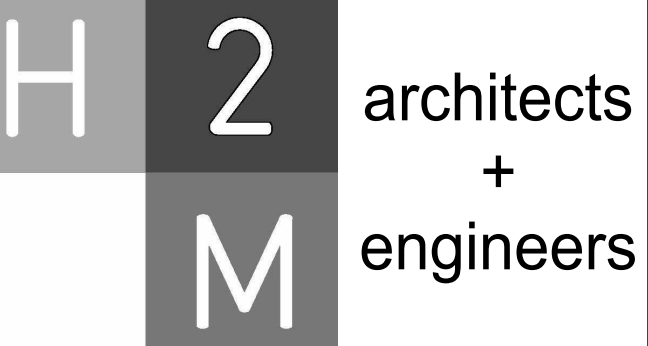
Notes:

PANEL SCHEDULE NOTES:

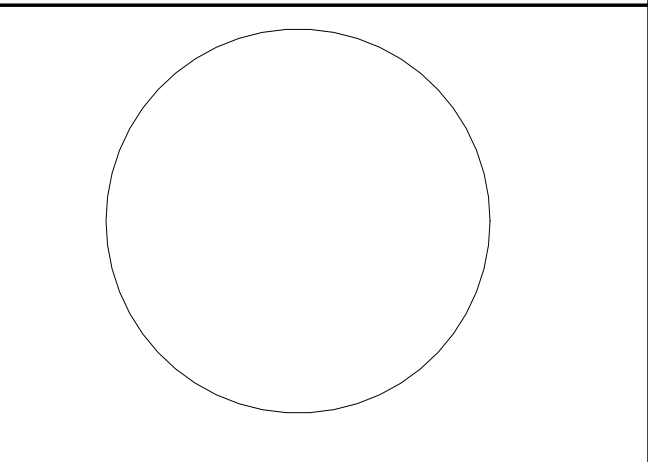
- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS:
(G) = GFI CIRCUIT BREAKER
(L) = LOCK-ON DEVICE
(T) = CIRCUIT CONTROLLED THROUGH TIMECLOCK AND PHOTOCELL
EXAMPLE: *POWER OUTLET (G) (L) *REQUIRES A GFI CIRCUIT BREAKER WITH A LOCK-ON DEVICE
2. ROOFTOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED.
3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID.
4. ALL CIRCUITS TO BE RUN WITH COPPER WIRE. ALUMINUM OR COPPER CLAD WIRE WILL NOT BE ACCEPTED. CONDUIT IS NOT ACCEPTABLE AS A GROUND.
5. ALL MATERIALS SHALL BE UL LABELED.
6. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFCI PROTECTED.
7. EC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER.
8. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS.
9. TANDEM AND HALF SPACE CIRCUIT BREAKER WILL NOT BE APPROVED.

PANEL SCHEDULE KEYED NOTES:

- 1. PROVIDE (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED. COORDINATE FINAL POWER REQUIREMENTS WITH FURNITURE MANUFACTURER.



H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Perrygo, NJ 07954
862.207.5900 www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH0019300
NJ Engineering Certificate of Authorization No.: 24GA28019100



JOHN CHRIS MORRIS III, P.E.
ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS LEGAL.
DESIGNED BY: JUL DATE: 11/08/2023
DRAWN BY: JGS
CHECKED BY: JCM
REVIEWED BY:
PROJECT No.: DIGA2301
SCALE: AS SHOWN

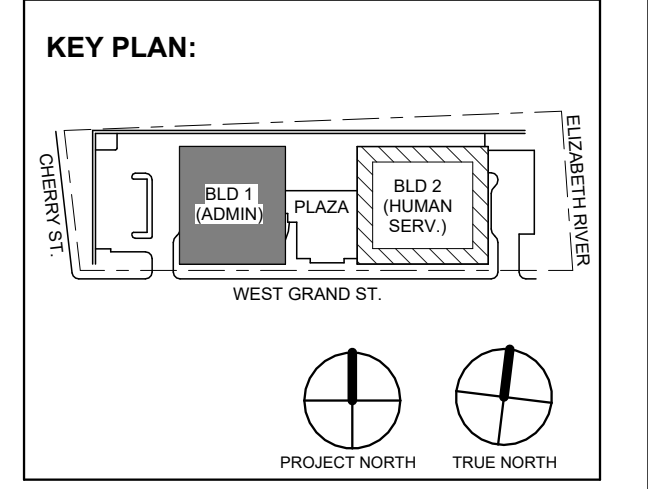


Table with columns: No., Date, Description, Revisions / Issues. Revision log.

1 12/01/2023 Addendum No. 01
11/08/2023 For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3000

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX

81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No.: 20.072
Date: 11/08/2023
Drawn By: JBAV/PC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - ELECTRICAL SCHEDULES

Sheet No:
E-508

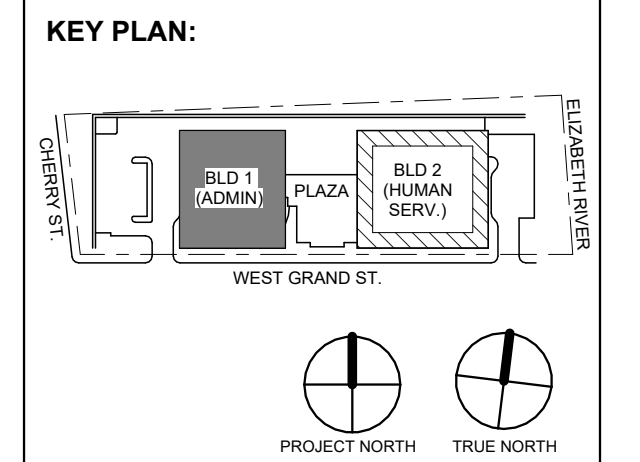


Table with 2 columns: No., Date, Description. Row 1: 1, 12.01.2023, Addendum No. 01. Row 2: 11.08.2023, For Public Bid.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA #A1 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/WPC Checked By: JM/SH

BUILDING NO. 1 - ELECTRICAL SCHEDULES

Sheet No:

E-509

PANEL SCHEDULE NOTES:

- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS: (G) = GFI CIRCUIT BREAKER (L) = LOCK-ON DEVICE (T) = CIRCUIT CONTROLLED THROUGH TIMECLOCK AND PHOTOCELL. EXAMPLE: "POWER OUTLET (G) (L)" REQUIRES A GFI CIRCUIT BREAKER WITH A LOCK-ON DEVICE. 2. ROOFTOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED. 3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID. 4. ALL CIRCUITS TO BE RUN WITH COPPER WIRE, ALUMINUM OR COPPER CLAD WIRE WILL NOT BE ACCEPTED. CONDUIT IS NOT ACCEPTABLE AS A GROUND. 5. ALL MATERIALS SHALL BE UL LABELED. 6. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFCI PROTECTED. 7. EC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER. 8. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS. 9. TANDEM AND HALF SPACE CIRCUIT BREAKER WILL NOT BE APPROVED.

PANEL SCHEDULE KEYED NOTES:

- 1. PROVIDE (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED. COORDINATE FINAL POWER REQUIREMENTS WITH FURNITURE MANUFACTURER.

Distribution Panel: 1DPLS

Location: EMERGENCY ELEC. ROOM 1602 Supply From: 1-ATS-LS Mounting: Surface Enclosure: NEMA 1 Volts: 480/277 Wye Phases: 3 Wires: 4 A.I.C. Rating: 65kA Mains Type: MCB Mains Rating: 400 A MCB Rating: 400 A

Table with 8 columns: CKT, Circuit Description, # of Poles, Trip Rating, Wire Size (H,N,G), Conduit Size, Load, Remarks. Lists circuits 1 through 25 with their respective descriptions and loads.

Load Classification table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Totals: 22296 VA, 27 A.

Notes:

Distribution Panel: 1EDB

Location: EMERGENCY ELEC. ROOM 1602 Supply From: 1-ATS-LS Mounting: Surface Enclosure: NEMA 1 Volts: 480/277 Wye Phases: 3 Wires: 4 A.I.C. Rating: 65kA Mains Type: MCB Mains Rating: 1200 A MCB Rating: 1200 A

Table with 8 columns: CKT, Circuit Description, # of Poles, Trip Rating, Wire Size (H,N,G), Conduit Size, Load, Remarks. Lists circuits 1 through 10 with their respective descriptions and loads.

Load Classification table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Totals: 614767 VA, 739 A.

Notes:

Distribution Panel: 1DPOS

Location: EMERGENCY ELEC. ROOM 1602 Supply From: 1-ATS-OS1 Mounting: Surface Enclosure: NEMA 1 Volts: 480/277 Wye Phases: 3 Wires: 4 A.I.C. Rating: 65kA Mains Type: MCB Mains Rating: 800 A MCB Rating: 800 A

Table with 8 columns: CKT, Circuit Description, # of Poles, Trip Rating, Wire Size (H,N,G), Conduit Size, Load, Remarks. Lists circuits 1 through 10 with their respective descriptions and loads.

Load Classification table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Totals: 253817 VA, 305 A.

Notes:

Distribution Panel: 1DPLR

Location: EMERGENCY ELEC. ROOM 1602 Supply From: 1-ATS-LR Mounting: Surface Enclosure: NEMA 1 Volts: 480/277 Wye Phases: 3 Wires: 4 A.I.C. Rating: 65kA Mains Type: MCB Mains Rating: 400 A MCB Rating: 400 A

Table with 8 columns: CKT, Circuit Description, # of Poles, Trip Rating, Wire Size (H,N,G), Conduit Size, Load, Remarks. Lists circuits 1 through 10 with their respective descriptions and loads.

Load Classification table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Totals: 194061 VA, 233 A.

Notes:

Branch Panel: 1LRRP3

Location: DATA CENTER 1442
Supply From: TR-1LRRP3
Mounting: Surface
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Feed Through Lugs:

A.I.C. Rating: 22kA
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A

CKT	Circuit Description	Trip	Poles	Wire Size (H,N,G)	Conduit Size	A	B	C	Conduit Size	Wire Size (H,N,G)	Poles	Trip	Circuit Description	CKT	
1	IT ROOM 1302 - GENERAL RECEPT	20 A	1	1-#12, 1-#12, 1-#12	3/4"	540 VA	260 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	ELEVATOR LOBBY 1301 - EWC RECEPT.	2
3	IT ROOM 1302 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"		1200 VA	600 VA		3/4"	2-#10, 1-#10, 1-#10	2	30 A	IT ROOM 1302 - IT RECEPTACLE	4
5	IT ROOM 1302 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"		1200 VA	600 VA		3/4"	2-#10, 1-#10, 1-#10	2	30 A	IT ROOM 1302 - IT RECEPTACLE	6
7	IT ROOM 1302 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"	500 VA	600 VA			3/4"	2-#10, 1-#10, 1-#10	2	30 A	IT ROOM 1302 - IT RECEPTACLE	8
9	IT ROOM 1402 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"		360 VA	600 VA		3/4"	2-#10, 1-#10, 1-#10	2	30 A	IT ROOM 1402 - IT RECEPTACLE	10
11	IT ROOM 1402 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"		1200 VA	1200 VA		3/4"	1-#12, 1-#12, 1-#12	1	20 A	IT ROOM 1302 - IT RECEPTACLE	12
13	IT ROOM 1402 - IT RECEPTACLE	30 A	1	1-#10, 1-#10, 1-#10	3/4"	1200 VA	1200 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	IT ROOM 1302 - IT RECEPTACLE	14
15	IT ROOM 1402 - IT RECEPTACLE	30 A	2	2-#10, 1-#10, 1-#10	3/4"		1040 VA	1200 VA		3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1442 - IT RECEPTACLE	16
17	IT ROOM 1402 - IT RECEPTACLE	30 A	2	2-#10, 1-#10, 1-#10	3/4"		1040 VA	1200 VA		3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1442 - IT RECEPTACLE	18
19	IT ROOM 1402 - IT RECEPTACLE	30 A	2	2-#10, 1-#10, 1-#10	3/4"	1040 VA	1200 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1442 - IT RECEPTACLE	20
21	IT ROOM 1402 - IT RECEPTACLE	30 A	2	2-#10, 1-#10, 1-#10	3/4"		1040 VA	1200 VA		3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1442 - IT RECEPTACLE	22
23	DATA CENTER 1442 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"		1200 VA	1200 VA		3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1312 - IT RECEPTACLE	24
25	DATA CENTER 1442 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"	1200 VA	1200 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1312 - IT RECEPTACLE	26
27	DATA CENTER 1442 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"		1200 VA	1200 VA		3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1442 - IT RECEPTACLE	28
29	DATA CENTER 1442 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"		1200 VA	1200 VA		3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1442 - IT RECEPTACLE	30
31	DATA CENTER 1442 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"	1200 VA	1200 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1442 - IT RECEPTACLE	32
33	DATA CENTER 1442 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"		1200 VA	1200 VA		3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1442 - IT RECEPTACLE	34
35	DATA CENTER 1442 - GENERAL RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"			720 VA	1200 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1442 - IT RECEPTACLE	36
37	DATA CENTER 1502 - IT RECEPTACLE	30 A	2	2-#10, 1-#10, 1-#10	3/4"	1040 VA	1200 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1442 - IT RECEPTACLE	38
39	DATA CENTER 1502 - IT RECEPTACLE	30 A	2	2-#10, 1-#10, 1-#10	3/4"		1040 VA	1200 VA		3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1442 - IT RECEPTACLE	40
41	DATA CENTER 1502 - IT RECEPTACLE	30 A	2	2-#10, 1-#10, 1-#10	3/4"		1040 VA	1200 VA		3/4"	1-#12, 1-#12, 1-#12	1	20 A	DATA CENTER 1442 - IT RECEPTACLE	42
43	DATA CENTER 1502 - IT RECEPTACLE	30 A	2	2-#10, 1-#10, 1-#10	3/4"	1040 VA	540 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	IT ROOM 1402 - IT RECEPTACLE	44
45	DATA CENTER 1502 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"		1200 VA			3/4"	--	1	20 A	SPARE	46
47	IT ROOM 1502 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"			1200 VA	0 VA	3/4"	--	1	20 A	SPARE	48
49	IT ROOM 1502 - IT RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"	1200 VA	0 VA			3/4"	--	1	20 A	SPARE	50
51	DATA CENTER 1442 - GENERAL RECEPTACLE	20 A	1	1-#12, 1-#12, 1-#12	3/4"		1200 VA	0 VA		3/4"	--	1	20 A	SPARE	52
53	IT ROOM 1502 - GENERAL RECEPT	20 A	1	1-#12, 1-#12, 1-#12	3/4"			540 VA	0 VA	3/4"	--	1	20 A	SPARE	54
55	SPARE	20 A	1	--		0 VA	0 VA				--	1	20 A	SPARE	56
57	SPARE	20 A	1	--			0 VA	0 VA			--	1	20 A	SPARE	58
59	SPARE	20 A	1	--				0 VA	0 VA		--	1	20 A	SPARE	60
61	SPARE	20 A	1	--		0 VA	0 VA				--	1	20 A	SPARE	62
63	SPARE	20 A	1	--				0 VA	0 VA		--	1	20 A	SPARE	64
65	SPARE	20 A	1	--				0 VA	0 VA		--	1	20 A	SPARE	66
67	SPARE	20 A	1	--		0 VA	0 VA				--	1	20 A	SPARE	68
69	SPARE	20 A	1	--				0 VA	0 VA		--	1	20 A	SPARE	70
71	SPARE	20 A	1	--				0 VA	0 VA		--	1	20 A	SPARE	72
73	SPARE	20 A	1	--		0 VA	0 VA				--	1	20 A	SPARE	74
75	SPARE	20 A	1	--				0 VA	0 VA		--	1	20 A	SPARE	76
77	SPARE	20 A	1	--				0 VA	0 VA		--	1	20 A	SPARE	78
79	SPARE	20 A	1	--		0 VA	0 VA				--	1	20 A	SPARE	80
81	SPARE	20 A	1	--				0 VA	0 VA		--	1	20 A	SPARE	82
83	SPARE	20 A	1	--				0 VA	0 VA		--	1	20 A	SPARE	84
Total Load:						16360 VA	16680 VA	17140 VA							
Total Amps:						136 A	139 A	143 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Other	10720 VA	100.00%	10720 VA	
Receptacle	38700 VA	62.92%	24350 VA	Total Conn. Load: 50180 VA
Non-Continuous	760 VA	100.00%	760 VA	Total Est. Demand: 35530 VA
				Total Conn.: 139 A
				Total Est. Demand: 99 A

Notes:

Distribution Panel: 1DPOS2

Location: EMERGENCY ELEC. ROOM 1602
Supply From: 1-ATS-OS2
Mounting: Surface
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65kA
Mains Type: MCB
Mains Rating: 600 A
MCB Rating: 600 A

CKT	Circuit Description	# of Poles	Trip Rating	Wire Size (H,N,G)	Conduit Size	Load	Remarks
1	RTU-1-1	3	175 A	3-#20, 1-#20, 1-#6	2"	33240 VA	
2	RTU-1-2	3	200 A	3-#30, 1-#30, 1-#6	2-1/2"	55677 VA	
3	RTU-1-3	3	200 A	3-#30, 1-#30, 1-#6	2-1/2"	55677 VA	
4	SPARE	3	100 A	--		0 VA	
5							
6							
7							
8							
9							
10							
Total Load:						144594 VA	
Total Amps:						174 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	144594 VA	100.00%	144594 VA	
				Total Conn. Load: 144594 VA
				Total Est. Demand: 144594 VA
				Total Conn.: 174 A
				Total Est. Demand: 174 A

Notes:

Branch Panel: 1OSPPR

Location: BOILER ROOM 1603
Supply From: 1DPOS1
Mounting: Surface
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4
Feed Through Lugs: No

A.I.C. Rating: 65kA
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

CKT	Circuit Description	Trip	Poles	Wire Size (H,N,G)	Conduit Size	A	B	C	Conduit Size	Wire Size (H,N,G)	Poles	Trip	Circuit Description	CKT			
1	BOILERS (B 1-1, 1-2 & 1-3) - BOILER ROOM 1603	20 A	3	3-#12, 1-#12, 1-#12	3/4"	4157 VA	3878 VA			3/4"	1"	3-#6, 1-#6, 1-#10	3	50 A	HWP 1-2 - BOILER ROOM 1603	2	
3																4	
5																6	
7						3878 VA	831 VA			3/4"	3-#12, 1-#12, 1-#12	3	15 A	PUMP (BP 1-1) - BOILER ROOM 1603	8		
9	HWP 1-1 - BOILER ROOM 1603	25 A	3	3-#10, 1-#10, 1-#10	3/4"		3878 VA	831 VA		3/4"	3-#12, 1-#12, 1-#12	3	15 A	PUMP (BP 1-1) - BOILER ROOM 1603	10		
11																12	
13						831 VA	831 VA			3/4"	3-#12, 1-#12, 1-#12	3	15 A	PUMP (BP 1-3) - BOILER ROOM 1603	14		
15	PUMP (BP 1-2) - BOILER ROOM 1603	15 A	3	3-#12, 1-#12, 1-#12	3/4"		831 VA	831 VA		3/4"	3-#12, 1-#12, 1-#12	3	15 A	PUMP (BP 1-3) - BOILER ROOM 1603	16		
17																18	
19						914 VA	914 VA			3/4"	3-#12, 1-#12, 1-#12	3	15 A	COND. UNIT (CU-1A) - ROOF	20		
21	COND. UNIT (CU-1A) - ROOF	15 A	3	3-#12, 1-#12, 1-#12	3/4"		914 VA	914 VA		3/4"	3-#12, 1-#12, 1-#12	3	15 A	COND. UNIT (CU-1B) - ROOF	22		
23																24	
25						3603 VA	3603 VA			3/4"	3-#12, 1-#12, 1-#12	3	20 A	SPLIT SYS. HEAT PUMP (HP 1-1) - ROOF	26		
27	SPLIT SYS. HEAT PUMP (HP 1-1) - ROOF	20 A	3	3-#12, 1-#12, 1-#12	3/4"		3603 VA	3603 VA		3/4"	3-#12, 1-#12, 1-#12	3	20 A	SPLIT SYS. HEAT PUMP (HP 1-2) - ROOF	28		
29																30	
31	SPLIT SYS. HEAT PUMP (HP 1-3) - ROOF	20 A	3	3-#12, 1-#12, 1-#12	3/4"	3603 VA	0 VA			3/4"	--	3	15 A	SPARE	32		
33							3603 VA	0 VA								34	
35								3603 VA	0 VA							36	
37						0 VA	0 VA									38	
39								0 VA	0 VA							40	
41	SPARE	20 A	3	--							--	3	15 A	SPARE	42		
Total Load:						27042 VA	27042 VA	27042 VA									
Total Amps:						98 A	98 A	98 A									

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	37908 VA	100.00%	37908 VA	
Motor	7479 VA	108.33%	8102 VA	Total Conn. Load: 81125 VA
Other	23268 VA	100.00%	23268 VA	Total Est. Demand: 81748 VA
Power - General	12470 VA	100.00%	12470 VA	Total Conn.: 98 A
				Total Est. Demand: 98 A

Notes:

Branch Panel: 1OSRPR

Location: BOILER ROOM 1603
Supply From: TR-1OSRPR
Mounting: Surface
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Feed Through Lugs: No

A.I.C. Rating: 22kA
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	Wire Size (H,N,G)	Conduit Size	A	B	C	Conduit Size	Wire Size (H,N,G)	Poles	Trip	Circuit Description	CKT	
1	RECP - BOILER ROOM 1603	20 A	1	1-#12, 1-#12, 1-#12	3/4"	720 VA	500 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	BMS PANEL - BOILER ROOM 1603	2
3							2500 VA	2500 VA		3/4"	2-#10, 1-#10, 1-#10	2	30 A	UNIT HEATER (EUH-2) - BOILER ROOM 1603	4
5															

PANEL SCHEDULE NOTES:

- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS: (G) = GFI CIRCUIT BREAKER (L) = LOCK-ON DEVICE (T) = CIRCUIT CONTROLLED THROUGH TIMECLOCK AND PHOTOCELL EXAMPLE: "POWER OUTLET (G) (L)" REQUIRES A GFI CIRCUIT BREAKER WITH A LOCK-ON DEVICE. 2. ROOFTOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED. 3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID. 4. ALL CIRCUITS TO BE RUN WITH COPPER WIRE. ALUMINUM OR COPPER CLAD WIRE WILL NOT BE ACCEPTED. CONDUIT IS NOT ACCEPTABLE AS A GROUND. 5. ALL MATERIALS SHALL BE UL LABELED. 6. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFCI PROTECTED. 7. EC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER. 8. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS. 9. TANDEM AND HALF SPACE CIRCUIT BREAKER WILL NOT BE APPROVED.

PANEL SCHEDULE KEYED NOTES:

- 1. PROVIDE (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR. THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED. COORDINATE FINAL POWER REQUIREMENTS WITH FURNITURE MANUFACTURER.

Distribution Panel: 2-MSS

Table with columns: CKT, Circuit Description, # of Poles, Trip Rating, Wire Size (H,N,G), Conduit Size, Load, Remarks. Includes a summary table for Load Classification and Panel Totals.

Branch Panel: 2LPG

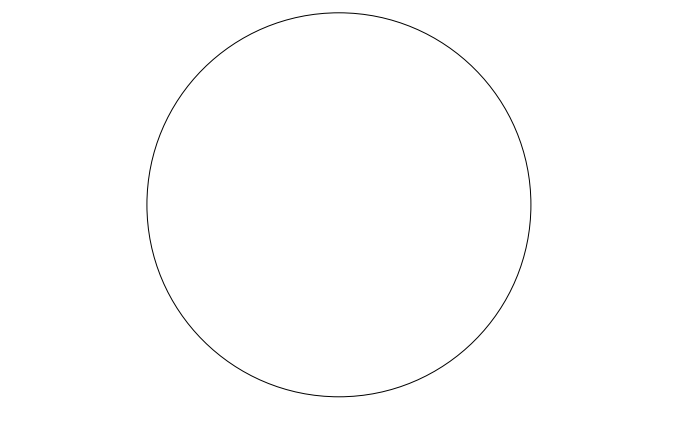
Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes a summary table for Load Classification and Panel Totals.

Branch Panel: 2RPG

Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes a summary table for Load Classification and Panel Totals.

Branch Panel: 2LSLPG

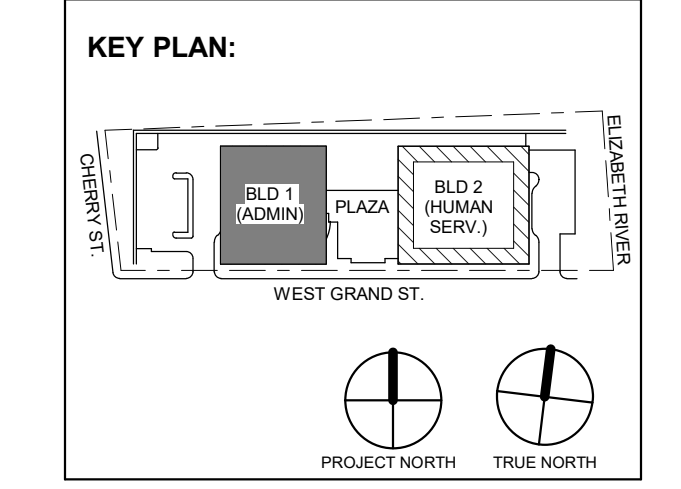
Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes a summary table for Load Classification and Panel Totals.



JOHN CHRIS MORRIS III, P.E.

ALTERNATE OF THE DOCUMENT EXCEPT BY LICENSED PROFESSIONAL ELECTRICAL ENGINEER (REGISTERED IN THE STATE OF NEW JERSEY) DESIGNER BY: DRAWN BY: CHECKED BY: REVIEWED BY: NJA NJA SGS JCM

PROJECT No: DATE: SCALE: DIGA2301 11/08/2023 AS SHOWN



1 12/01/2023 Addendum No. 01 11/08/2023 For Public Bid No. Date Description Revisions / Issues

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

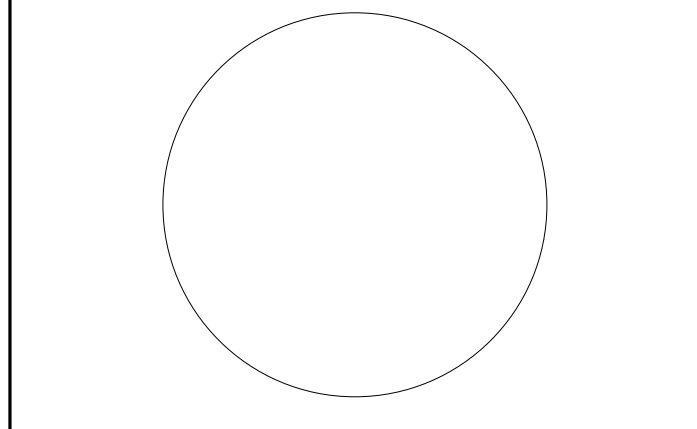
Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11/08/2023 Drawn By: JBA/AVPC Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - ELECTRICAL SCHEDULES

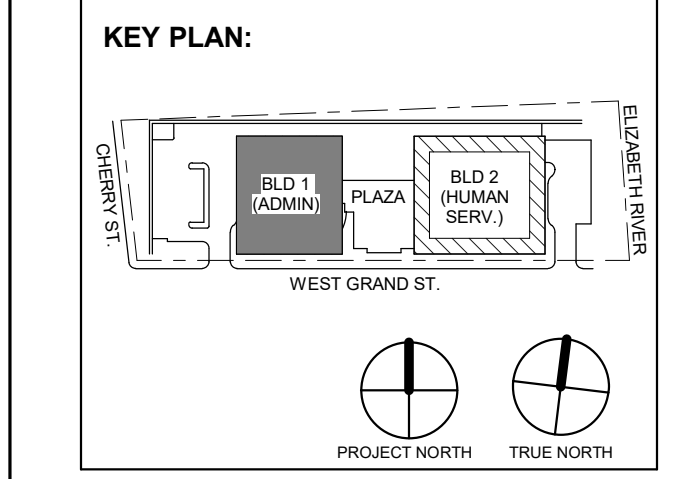
Sheet No:

E-511



JOHN CHRIS MORRIS III, P.E. 202000 VA 100.00% 30830 VA 89670 VA

DESIGNED BY: NJA DRAWN BY: NJA CHECKED BY: SGS REVIEWED BY: JCM PROJECT NO: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



Revision table with columns: No., Date, Description, Revisions / Issues. Includes entries for 12/01/2023 and 11/08/2023.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA #1 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20 072 Date: 11/08/2023 Drawn By: JBA/VPC Checked By: JMSH

Sheet Name: BUILDING NO. 2 - ELECTRICAL SCHEDULES

Sheet No:

E-513

PANEL SCHEDULE NOTES:

- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS: (G) = GFI CIRCUIT BREAKER, (L) = LOCK-ON DEVICE, (T) = CIRCUIT CONTROLLED THROUGH TIMECLOCK AND PHOTOCELL, etc.

- PANEL SCHEDULE KEYED NOTES: PROVIDE (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED, etc.

Branch Panel: 2LP1. Location: ELEC 2103. Supply From: 2R1P1. A.I.C. Rating: 65A. Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 50 A. Table with 30 rows of circuit descriptions and load classification summary.

Branch Panel: 2RP1A. Location: ELEC 2103. Supply From: 2R2P1. A.I.C. Rating: 22kA. Mains Type: MCB. Mains Rating: 250 A. MCB Rating: 250 A. Table with 42 rows of circuit descriptions and load classification summary.

Branch Panel: 2RP1B. Location: ELEC 2103. Supply From: 2R1P1A. A.I.C. Rating: 22kA. Mains Type: MLO. Mains Rating: 250 A. MCB Rating: 60 A. Table with 53 rows of circuit descriptions and load classification summary.

Branch Panel: 2LSRP1. Location: ELEC 2103. Supply From: 2LSRP6. A.I.C. Rating: 22kA. Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 60 A. Table with 19 rows of circuit descriptions and load classification summary.

Branch Panel: 2LP2

Table for Branch Panel 2LP2 including location, supply, mounting, enclosure, and a detailed circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, Wire Size, Conduit Size, A, B, C, and Panel Totals.

Branch Panel: 2RP2B

Table for Branch Panel 2RP2B including location, supply, mounting, enclosure, and a detailed circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, Wire Size, Conduit Size, A, B, C, and Panel Totals.

Branch Panel: 2RP2A

Table for Branch Panel 2RP2A including location, supply, mounting, enclosure, and a detailed circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, Wire Size, Conduit Size, A, B, C, and Panel Totals.

Branch Panel: 2SLP2

Table for Branch Panel 2SLP2 including location, supply, mounting, enclosure, and a detailed circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, Wire Size, Conduit Size, A, B, C, and Panel Totals.

PANEL SCHEDULE NOTES:

- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS: (G) = GFI CIRCUIT BREAKER, (L) = LOCK-ON DEVICE, (T) = CIRCUIT CONTROLLED THROUGH TIMECLOCK AND PHOTOCELL, etc.

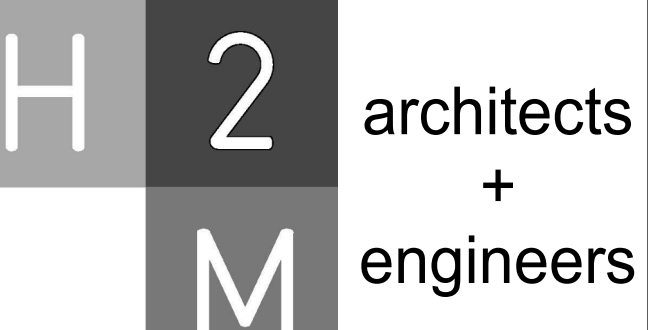
- 3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION, ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID.

- 4. ALL CIRCUITS TO BE RUN WITH COPPER WIRE, ALUMINUM OR COPPER CLAD WIRE WILL NOT BE ACCEPTED. CONDUIT IS NOT ACCEPTABLE AS A GROUND.

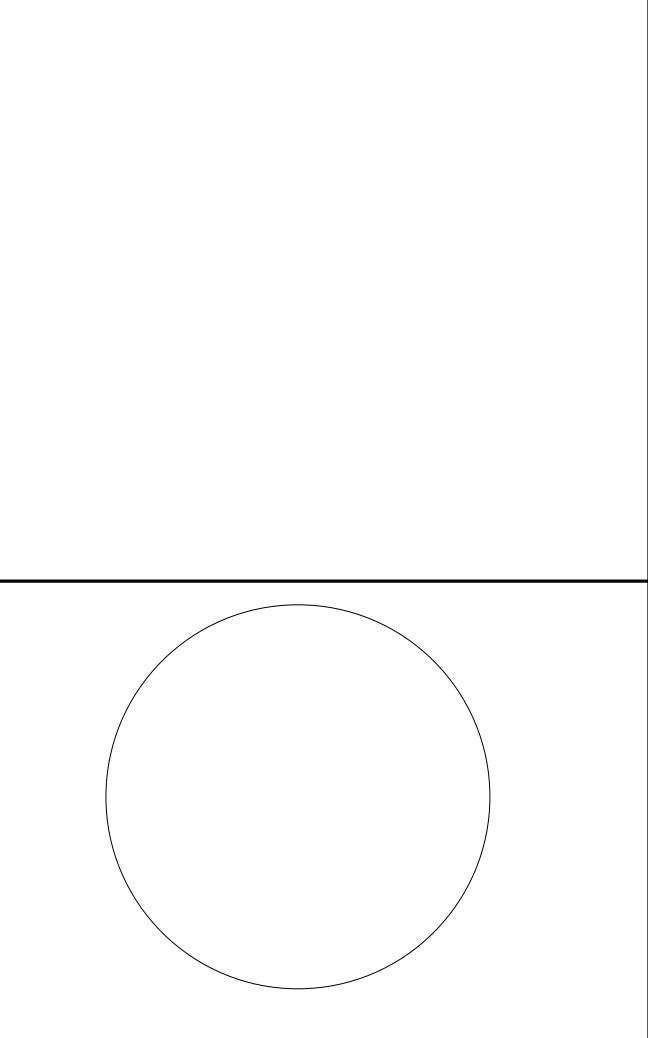
- 5. ALL MATERIALS SHALL BE UL LABELED. CIRCUIT BREAKERS FOR FLOOR RECEPTABLES SHALL BE GFCI PROTECTED. ETC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER.

- 6. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS. TANDEM AND HALF SPACE CIRCUIT BREAKER WILL NOT BE APPROVED.

- 7. PROVIDE (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED. COORDINATE FINAL POWER REQUIREMENTS WITH FURNITURE MANUFACTURER.



H2M Associates, Inc. 119 Cherry Hill Road, Suite 110 Parsippany, NJ 07054 862.207.5900 www.h2m.com



JOHN CHRIS MORRIS III, P.E. LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY

Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, REVIEWED BY, PROJECT No., DATE, SCALE.

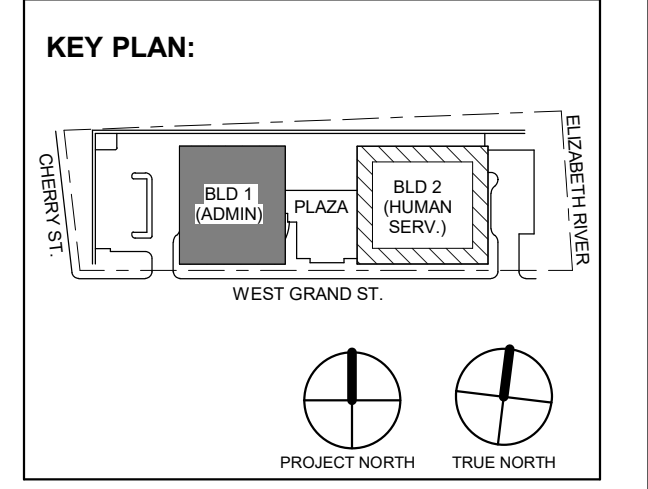


Table with columns: No., Date, Description, Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 93 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/AVPC Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - ELECTRICAL SCHEDULES

Sheet No: E-514

PANEL SCHEDULE NOTES:

- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS:
(G) = GFI CIRCUIT BREAKER
(L) = LOCK-ON DEVICE
(T) = CIRCUIT CONTROLLED THROUGH TIMECLOCK AND PHOTOCELL
EXAMPLE: "POWER OUTLET (G) (L)" REQUIRES A GFI CIRCUIT BREAKER WITH A LOCK-ON DEVICE
2. ROOFTOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED
3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID.
4. ALL CIRCUITS TO BE RUN WITH COPPER WIRE. ALUMINUM OR COPPER CLAD WIRE WILL NOT BE ACCEPTED. CONDUIT IS NOT ACCEPTABLE AS A GROUND.
5. ALL MATERIALS SHALL BE UL LABELED.
6. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFCI PROTECTED.
7. EC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER.
8. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS.
9. TANDEM AND HALF SPACE CIRCUIT BREAKER WILL NOT BE APPROVED.

- PANEL SCHEDULE KEYED NOTES:
(1) PROVIDE (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED. COORDINATE FINAL POWER REQUIREMENTS WITH FURNITURE MANUFACTURER.

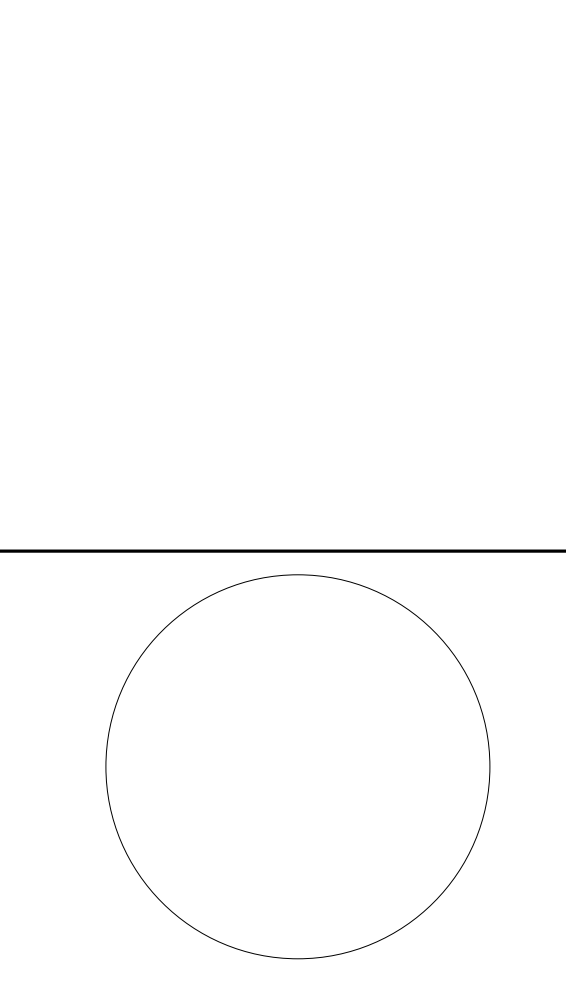
H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5900 www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010330
NJ Engineering Certificate of Authorization No.: 24GA26019100

Branch Panel: 2LSRP2
Location: IT 2202
Supply From: 2LSRP2
Mounting: Surface
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
Feed Through Lugs: No
A.I.C. Rating: 22kA
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

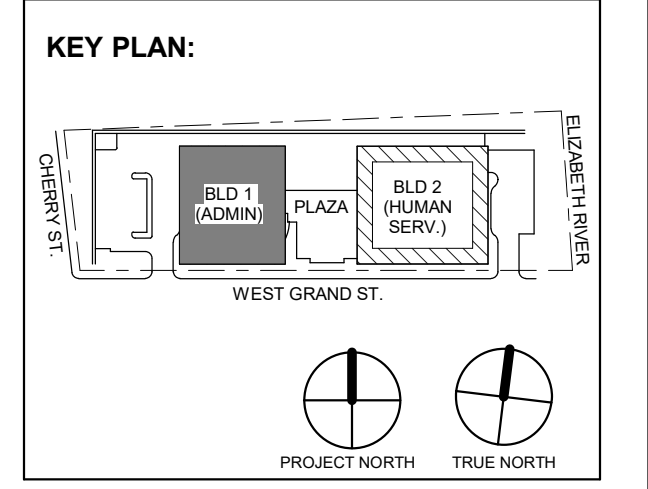
Branch Panel: 2OSRP2
Location: IT 2202
Supply From: TR-OSRP2
Mounting: Surface
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
Feed Through Lugs: No
A.I.C. Rating: 22kA
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 50 A

Branch Panel: 2LP3
Location: ELEVATOR LOBBY 2301
Supply From: 2LMS3
Mounting: Surface
Enclosure: NEMA 1
Volts: 480/277 Wye
Phases: 3
Wires: 4
Feed Through Lugs: No
A.I.C. Rating: 65kA
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 50 A

Branch Panel: 2RP3A
Location: ELEVATOR LOBBY 2301
Supply From: TR-2RP3
Mounting: Surface
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
Feed Through Lugs: Yes
A.I.C. Rating: 22kA
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A



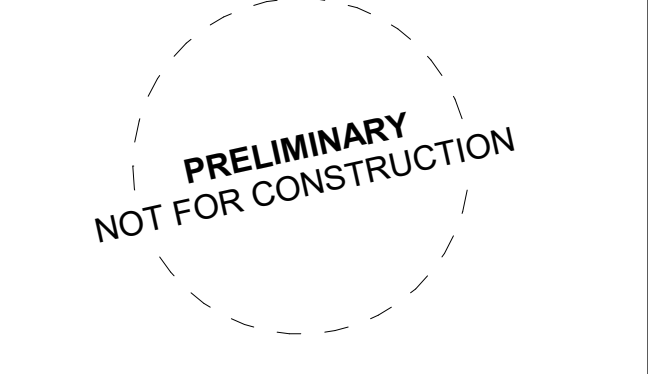
JOHN CHRIS MORRIS III, P.E.
ALTERNATE OF THIS DOCUMENT ACCEPTED BY LICENSED PROFESSIONAL ENGINEER
DESIGNED BY: DRAWN BY: CHECKED BY: REVIEWED BY:
PROJECT NO: DATE: SCALE:
DIGA2301 11/08/2023 AS SHOWN



Revision table with columns: No., Date, Description, Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA # 05827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/AVPC
Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - ELECTRICAL SCHEDULES

Sheet No: E-515

H2M Associates, Inc. 119 Cherry Hill Road, Suite 110 Parsippany, NJ 07054 862.207.5500 www.h2m.com

NJ Landscape Architecture Certificate No.: 21MH00010330 NJ Engineering Certificate of Authorization No.: 24GA26019100

PANEL SCHEDULE NOTES:

- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS: (G) = GFI CIRCUIT BREAKER (L) = LOCK-ON DEVICE (T) = CIRCUIT CONTROLLED THROUGH TIMECLOCK AND PHOTOCELL EXAMPLE: "POWER OUTLET (G) (L)" REQUIRES A GFI CIRCUIT BREAKER WITH A LOCK-ON DEVICE. 2. ROOFTOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED. 3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID. 4. ALL CIRCUITS TO BE RUN WITH COPPER WIRE, ALUMINUM OR COPPER CLAD WIRE WILL NOT BE ACCEPTED. CONDUIT IS NOT ACCEPTABLE AS A GROUND. 5. ALL MATERIALS SHALL BE UL LABELED. 6. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFCI PROTECTED. 7. EC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER. 8. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS. 9. TANDEM AND HALF SPACE CIRCUIT BREAKER WILL NOT BE APPROVED.

- PANEL SCHEDULE KEYED NOTES: (1) PROVIDE (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED. COORDINATE FINAL POWER REQUIREMENTS WITH FURNITURE MANUFACTURER.

Branch Panel: 2RP3B

Location: ELEVATOR LOBBY 2301 Supply From: 2RP3A Mounting: Surface Enclosure: NEMA 1

Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification and totals at the bottom.

Branch Panel: 2LSRP3

Location: ELEVATOR LOBBY 2301 Supply From: 2LSRP6 Mounting: Surface Enclosure: NEMA 1

Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification and totals at the bottom.

Branch Panel: 2LP4

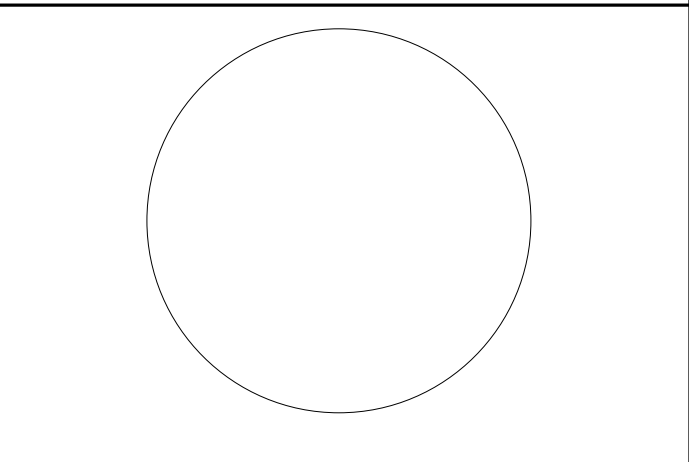
Location: ELEVATOR LOBBY 2401 Supply From: 2-MSS Mounting: Surface Enclosure: NEMA 1

Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification and totals at the bottom.

Branch Panel: 2RP4A

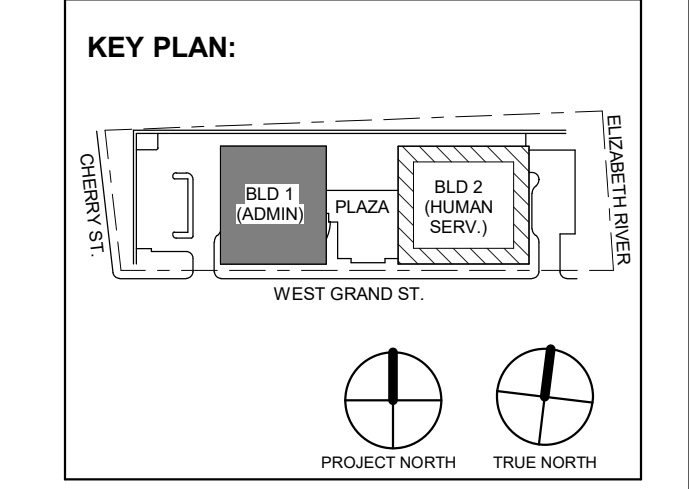
Location: ELEVATOR LOBBY 2401 Supply From: TR-2RP4 Mounting: Surface Enclosure: NEMA 1

Table with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification and totals at the bottom.



JOHN CHRIS MORRIS III, P.E.

Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, REVIEWED BY, PROJECT No., DATE, SCALE.



DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hurting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 93 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/AVPC Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - ELECTRICAL SCHEDULES

Sheet No: E-516

Branch Panel: 2RP4B

Table for Branch Panel 2RP4B with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification and panel totals.

Load Classification table for Branch Panel 2RP4B showing Connected Load, Demand Factor, Estimated Demand, and Panel Totals.

Branch Panel: 2LP5

Table for Branch Panel 2LP5 with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification and panel totals.

Load Classification table for Branch Panel 2LP5 showing Connected Load, Demand Factor, Estimated Demand, and Panel Totals.

Branch Panel: 2LSRP4

Table for Branch Panel 2LSRP4 with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification and panel totals.

Load Classification table for Branch Panel 2LSRP4 showing Connected Load, Demand Factor, Estimated Demand, and Panel Totals.

Branch Panel: 2RP5A

Table for Branch Panel 2RP5A with columns: CKT, Circuit Description, Trip, Poles, Wire Size (H,N,G), Conduit Size, A, B, C, Conduit Size, Wire Size (H,N,G), Poles, Trip, Circuit Description, CKT. Includes load classification and panel totals.

Load Classification table for Branch Panel 2RP5A showing Connected Load, Demand Factor, Estimated Demand, and Panel Totals.

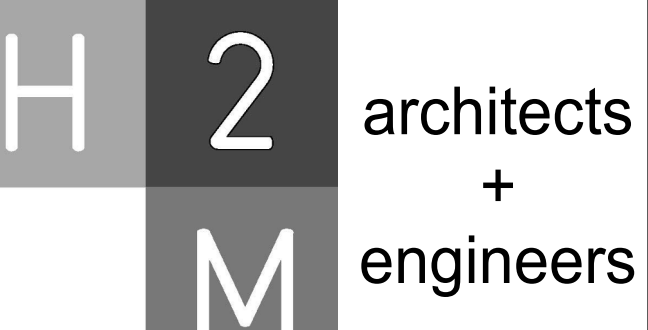
PANEL SCHEDULE NOTES:

- 1. CIRCUITS DESIGNATIONS ARE TAGGED AS FOLLOWS: (G) = GFI CIRCUIT BREAKER, (L) = LOCK ON DEVICE, (T) = CIRCUIT CONTROLLED THROUGH TIMECLOCK AND PHOTOCELL, etc.

- 2. ROOFTOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED, 3. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE, etc.

PANEL SCHEDULE KEYED NOTES:

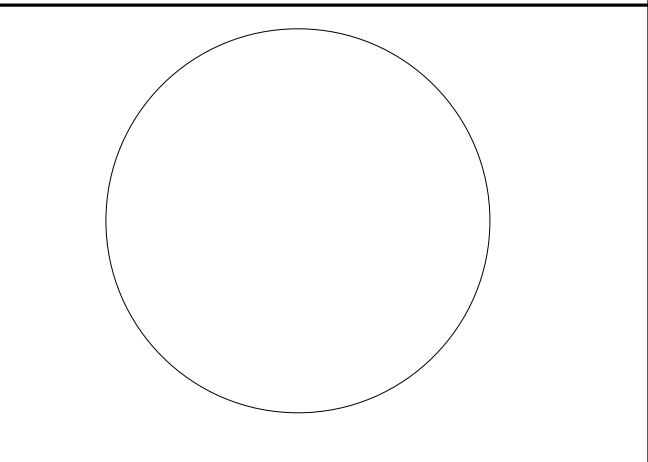
- (1) PROVIDE (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, (1) GROUND CONDUCTOR & (1) ISOLATED GROUND CONDUCTOR PER THE SIZE SHOWN FOR 3 PHASE FURNITURE FEED, etc.



H2M Associates, Inc. 119 Cherry Hill Road, Suite 110 Parsippany, NJ 07054 862.207.5900 www.h2m.com

PROFESSIONAL ENGINEER LICENSE NO. 35088987 JOHN CHRIS MORRIS III, P.E.

DESIGNED BY: NJA, DRAWN BY: NJA, CHECKED BY: SGS, REVIEWED BY: JCM



KEY PLAN: BLD 1 (ADMIN), BLD 2 (FURNITURE SERV), WEST GRAND ST, PROJECT NORTH, TRUE NORTH

1 12/01/2023 Addendum No. 01 11/08/2023 For Public Bid

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242

UNION COUNTY IMPROVEMENT AUTHORITY Project: UNION COUNTY GOVERNMENT COMPLEX

Drawing Information: Project No: 20.072 Date: 11/08/2023 Drawn By: JBA/VPC Checked By: JM/SH

BUILDING NO. 2 - ELECTRICAL SCHEDULES Sheet No: E-517

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11/08/2023 Drawn By: JBA/VPC Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - ELECTRICAL SCHEDULES

Sheet No: E-517

GENERAL FIRE ALARM NOTES:

- REFER TO SHEET FA-201 & FA-202 FOR FIRE ALARM RISER DIAGRAM.
- REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE AND 2019 EDITION OF THE NATIONAL FIRE ALARM AND SIGNALING CODE.
- INSTALLATION MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, ARTICLE 760.
- THIS SET OF DRAWINGS IS DIAGRAMMATIC IN NATURE AND INDICATES THE GENERAL ARRANGEMENT OF THE SYSTEM AND APPROXIMATE LOCATIONS OF THE EQUIPMENT.
 - DEFERRED SUBMITTAL: ALL DEVICE LOCATIONS SHOWN ON THESE DRAWINGS ARE APPROXIMATE. EXACT LOCATIONS ARE DETERMINED BY THE INSTALLER AFTER CONSIDERATION OF CODES, SPECIFICATIONS AND MANUFACTURER REQUIREMENTS.
 - CONTRACTOR SHALL PREPARE SHOP DRAWINGS, AT THEIR OWN EXPENSE, PREPARED BY A QUALIFIED ENGINEER LICENSED IN THE STATE OF NEW JERSEY. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW TO THE ENGINEER PRIOR TO INSTALLATION.
 - SAID ENGINEER TO DEVELOP FIRE ALARM SYSTEM POINT TO POINT WIRING DIAGRAMS, VOLTAGE DROP CALCULATIONS AND BATTERY CALCULATIONS.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THAT THERE IS ADEQUATE SPACE AT THE LOCATIONS INDICATED FOR ALL EQUIPMENT PRIOR TO INSTALLATION OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- A COMPLETE SET FOR FIRE ALARM PRODUCT CUTSHEETS, FIRE ALARM SHOP DRAWINGS, AND BATTERY / VOLTAGE / LOAD CALCULATIONS MUST BE SUBMITTED AND APPROVED BY THE A/HJ AND THE ENGINEER PRIOR TO INSTALLATION.
- ALL NECESSARY PERMITS, INSPECTIONS, AND LICENSES SHALL BE PROCURED BY THE CONTRACTOR AND ALL PERMIT AND INSPECTION FEES PAID BY OWNER. SUBMIT TO THE OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM THE APPROVED INSPECTION AGENCY.
- IT IS THE INTENT THAT THE DRAWINGS AND SPECIFICATIONS SHALL PROVIDE A WORKING INSTALLATION. THE OMISSION OF EXPRESSED REFERENCE IN THE DRAWINGS OR SPECIFICATION TO ANY LABOR OR MATERIAL NECESSARY FOR THE PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH PRESENT GOOD PRACTICE OF THE TRADE SHALL NOT RELIEVE THIS CONTRACTOR FROM PROVIDING, AT NO COST, SUCH ADDITIONAL LABOR OR MATERIAL UNDER THIS CONTRACT. DEVICE LOCATIONS ARE FOR REFERENCE ONLY UNLESS SPECIFICALLY DIMENSIONED. ACTUAL LOCATIONS SHALL BE IN ACCORDANCE WITH NFPA 72 AND THE PROJECT SPECIFICATIONS.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL PROGRAMMING NECESSARY FOR THE FIRE ALARM SYSTEM. ALL FIRE ALARM SYSTEM PROGRAMMING SHALL BE PERFORMED BY A TECHNICIAN CERTIFIED BY THE FIRE ALARM SYSTEMS MANUFACTURER TO PERFORM THIS WORK. SUBMIT AS PART OF THE FIRE ALARM SHOP DRAWING ALL FIRE ALARM TECHNICIAN'S MANUFACTURER CERTIFICATIONS.
- THE FIRE ALARM VENDOR MUST CALCULATE THE NOTIFICATION APPLIANCES CANDELA RATINGS AND DESIGNATE THEM ON THE SHOP DRAWINGS. ALL STROBE SETTINGS MUST COMPLY WITH NFPA 72 REQUIREMENTS.
- ALL ELECTRICAL AND EQUIPMENT FOR THE PROJECT SHALL BE NEW AND APPROVED BY UNDERWRITERS LABORATORY (UL) OR ANY OTHER NATIONALLY RECOGNIZED TESTING AGENCY UNLESS NOTED OTHERWISE ON DRAWINGS.
- REFER TO NOTE #26 BELOW FOR ADDITIONAL DEVICES, ASSOCIATED WIRING, RACEWAY, BACKBOXES AND INSTALLATION TO BE INCLUDED.
- ALL WIRING SHALL COMPLY WITH PROJECT SPECIFICATIONS, NFPA 72, ARTICLE 760, AND THE REQUIREMENTS OF THE AHJ. NO FIRE ALARM POWER-LIMITED WIRING SHALL BE PERMITTED IN THE SAME RACEWAY AS NON-POWER-LIMITED WIRING UNLESS SEPARATED BY AN APPROVED BARRIER.
- ALL WIRING, CONNECTIONS AND DEVICES SHALL BE PROVIDED TO COMPLY WITH THE GROUNDING REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND THE DRAWINGS UNLESS NOTED OTHERWISE. ALL EXPOSED NON-CURRENT CARRYING ELECTRICAL EQUIPMENT METALLIC PARTS, RACEWAY SYSTEMS AND WIRING SYSTEM GROUNDING CONDUCTORS SYSTEM SHALL BE GROUNDED.
- DO NOT INSTALL FIRE ALARM CABLES IN RACEWAY WITH OTHER BUILDING SYSTEM CONDUCTORS.
- DO NOT INSTALL SMOKE DETECTORS WITHIN THREE FEET OF, OR IN THE DIRECT AIR STREAM OF SUPPLY AIR GRILLS.

- DO NOT INSTALL SMOKE DETECTOR HEADS PRIOR TO COMPLETE AREA CLEANUP.
- DUCT DETECTOR HOUSINGS MUST BE MOUNTED BELOW ROOFLINE.
- PROVIDE AUXILIARY FIRE ALARM SIGNAL PANEL(S) W/ BATTERY BACKUP AS REQUIRED TO SUPPORT NOTIFICATION APPLIANCE LOADS.
- ALL WIRING REQUIREMENTS SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE END OF LINE RESISTORS AS NECESSARY.
- STROBE CANDELAS MUST BE SIZED PER NFPA 72 REQUIREMENTS BY THE FIRE ALARM VENDOR AND SHOWN ON THE SHOP DRAWINGS.
- ALL PANELS BATTERY BACKUP (STANDBY & ALARM) SHALL BE SIZED PER NFPA 72 REQUIREMENTS.
- PRIMARY FACP POWER SHALL BE FED VIA BRANCH CIRCUIT(S) DEDICATED FOR THE FIRE ALARM SYSTEM.
- ALL EARTH GROUND PANEL CONNECTIONS REQUIRED BY THE MANUFACTURER SHALL BE CONNECTED TO THE BUILDING'S GROUND, PANEL NEUTRAL OR GROUNDING TO CONDUIT / BUILDING STEEL IS NOT ACCEPTABLE.
- THE SELECTED SYSTEM IS MODULAR IN DESIGN. ALL SPECIFIED COMPONENTS MUST HAVE A MINIMUM 20% SPARE EXPANSION CAPACITY TO ACCOMMODATE CONSTRUCTION CHANGES AND FUTURE RENOVATIONS. THIS SPARE CAPACITY INCLUDES CABINET EXPANSION SPACE, CAPACITIES ON POWER SUPPLIES / PANEL CARDS AND NETWORKING CAPABILITY.
 - IN ADDITION PROVIDE ASSOCIATED WIRING, RACEWAY, BACKBOXES AND INSTALLATION FOR:
 - (10) ADDITIONAL SYSTEM SMOKE DETECTORS
 - (5) ADDITIONAL HEAT DETECTORS
 - (10) ADDITIONAL SPEAKER/STROBE UNITS
 - (20) ADDITIONAL SPEAKER UNITS
 - (10) ADDITIONAL LOCAL STROBE UNITS
 - (10) ADDITIONAL DUCT MOUNTED SMOKE DETECTORS (INCLUDING ASSOCIATED CONTROL MODULE)
 - (10) ADDITIONAL PULL STATIONS
 - (10) ADDITIONAL FIRE ALARM CONTROL MODULES
 - (10) ADDITIONAL FIRE ALARM MONITOR MODULES
 - (10) ADDITIONAL CARBON MONOXIDE DETECTORS
 - (40) ADDITIONAL FACP MONITORING POINTS FOR VARIOUS SPRINKLER SYSTEM TAMPER/FLOW SWITCHES.
 - DEVICES SHALL BE INSTALLED AND PROGRAMMED INTO THE FACP AS NEEDED BASED ON FINAL FIRE INSPECTION AND AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.
- FURNISH AND INSTALL ACCESS PANELS WHERE REQUIRED FOR ACCESS TO CONCEALED EQUIPMENT WHERE NO OTHER MEANS IS PROVIDED.
- FOR CONDUIT APPLICATIONS, USE ELECTRICAL METALLIC TUBING (EMT), 3/4" MINIMUM.
- ALL CONDUITS, CONDUCTORS, RACEWAYS, EQUIPMENT, ETC., SHALL BE SUPPORTED IN AN APPROVED MANNER BY THE BUILDING STRUCTURE, INCLUDING HANGERS AND RESTRAINTS, IN ACCORDANCE WITH ALL APPLICABLE CODE REQUIREMENTS.
- SEAL ALL PENETRATIONS THROUGH EXTERIOR WALLS, FLOORS, AND ROOFS WITH WATERTIGHT MATERIAL.
- MOUNTING FOR ALL DEVICES AND APPLIANCES SHALL COMPLY WITH STATE, LOCAL, AND FEDERAL REQUIREMENTS.
- FIRE ALARM CABLE LOCATED ABOVE ACCESSIBLE CEILINGS SHALL BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE. CABLES SHALL NOT BE LAID ON CEILING PANELS.
- ALL WIRING AND EQUIPMENT INSTALLED IN DUCTS, PLENUMS AND OTHER AIR HANDLING SPACES SHALL BE PLENUM RATED AND CONFORM TO NEC, ARTICLE 300-22.
- DO NOT INSTALL ANY A.C. CURRENT CARRYING CONDUCTORS CLOSE TO OR IN THE SAME RACEWAY WITH FIRE ALARM SYSTEM CONDUCTORS.
- ALL FIRE ALARM CABLES SHALL BE "FPLP" RATED OR RUN IN A MINIMUM 3/4" CONDUIT.
- ALL WIRE AND CABLE SHALL HAVE A WIRE MARKER ON EACH END, OR EQUAL. ALL MARKERS SHALL BE TYPED. SHIELDS ON ALL SHIELDED CABLE SHALL BE CONTINUOUS, GROUNDED AT THE FIRE ALARM CONTROL PANEL ONLY, AND ISOLATED FROM GROUND ELSEWHERE.

- FOR CONDUIT APPLICATIONS, USE ELECTRICAL METALLIC TUBING (EMT) AT ALL LOCATIONS INDOORS AND SCHEDULE 80 PVC CONDUIT OUTDOORS. ALL CONDUIT SIZE SHALL BE 3/4" MINIMUM.
- CONTRACTOR SHALL REPAIR / PATCH AND / OR REPAINT TO MATCH ADJACENT AREAS, ANY AREAS DAMAGED (OR WHERE ITEMS WERE REMOVED / DEMOLISHED) BY WORK OF THIS CONTRACT.
- ALL HOLES OR VOIDS CREATED TO ROUTE CONDUIT THROUGH FIRE RATED FLOORS AND WALLS SHALL BE SEALED WITH AN INTUMESCENT MATERIAL CAPABLE OF EXPANDING UP TO 8 TO 10 TIMES WHEN EXPOSED TO A TEMPERATURE OF 250 DEGREES FAHRENHEIT AND ABOVE. ACCEPTABLE SEALING MATERIAL SUCH AS 3M FIRE BARRIER CAULK, PUTTY, STRIP AND SHEET FORM SHALL HAVE I.C.B.O. AND BOCA APPROVED RATING OF 3 HOURS PER ASTM E-814 (U.L. 1479) AS PER NEC ART. 300-21.
- EACH AIR HANDLING SYSTEM 2000 CFM OR GREATER SHALL BE EQUIPPED WITH A RETURN AIR DUCT DETECTOR OR SUPPLY AIR DUCT DETECTOR WHEN THERE IS NO RETURN AIR DUCT. EACH AIR HANDLING SYSTEM GREATER THAN 15,000 CFM SHALL BE EQUIPPED WITH A SUPPLY AND RETURN DUCT DETECTOR. WHEN THE AIR HANDLER SUPPLIES MORE THAN ONE STORY, RETURN DUCT DETECTORS ARE NOT REQUIRED, WHERE THE ENTIRE SPACE SERVED BY THE AIR HANDLER IS PROTECTED BY SYSTEM SMOKE DETECTORS, DUCT DETECTORS ARE NOT REQUIRED ON 100% EXHAUST FANS.
- ALL WORK AND SHUTDOWNS ASSOCIATED WITH FIRE ALARM SYSTEM INTERFACES SHALL BE COORDINATED THROUGH THE RESPECTIVE CONTRACTOR, INCLUDING BUT NOT LIMITED TO: SPECIAL HAZARD SUPPRESSION SYSTEM(S), AUTOMATIC SPRINKLER SYSTEM(S), HVAC SYSTEM(S), ELEVATOR SYSTEM(S), AND SECURITY / ACCESS CONTROL SYSTEM(S).
- SYSTEM MANUFACTURER SHALL COORDINATE FINAL QUANTITIES AND LOCATIONS OF ALL SYSTEM MONITORS AND CONTROL MODULES WITH THE RESPECTIVE CONTRACTORS FOR INTERFACE. FINAL LOCATIONS TO BE SHOWN ON SHOP DRAWINGS. CHECK AND VERIFY ALL CONDITIONS AT THE SITE WITHIN THE CONTRACT LIMITS. THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR ALL FIELD MEASUREMENTS AND VERIFICATION OF FIELD CONDITIONS PRIOR TO COMMENCING WORK. ANY CHANGES IN WORK NECESSITATED BY FAILURE OF THIS CONTRACTOR TO COMPLY WITH THIS PROCEDURE SHALL BE UNDERTAKEN BY THIS CONTRACTOR AT HIS / HER OWN EXPENSE.
- THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE FIRE ALARM SHOP DRAWINGS SUBMITTAL FOR COMPLETE COMPLIANCE WITH THE FULL SET OF BID DOCUMENTS PRIOR TO SUBMITTING TO THE ENGINEER FOR APPROVAL.
- UPON COMPLETION OF THE WORK, THE ENTIRE WIRING SYSTEM SHALL BE FREE FROM GROUNDS, SHORT CIRCUITS, OPENS, OVERLOADS AND IMPROPER VOLTAGES.
- PRIOR TO FINAL ACCEPTANCE OF THE WORK, A WRITTEN STATEMENT SHALL BE SUBMITTED TO THE OWNER GUARANTEEING EQUIPMENT AND SYSTEMS AGAINST DEFECTIVE MATERIAL AND WORKMANSHIP FOR ONE (1) YEAR FROM THE DATE OF ACCEPTANCE. UPON NOTICE, ALL DEFECTIVE EQUIPMENT, MATERIALS AND SYSTEMS SHALL BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER.
- ACCEPTANCE TESTING MUST BE PERFORMED IN ACCORDANCE WITH NFPA 72 AND AHJ REQUIREMENTS.
- A COMPLETE SET OF "AS-BUILT" DRAWINGS, (1) SET IN HARD COPY REPRODUCIBLE AND (1) SET OF ELECTRONIC FILES PRODUCED IN PDF FORMAT SHALL BE FURNISHED TO THE OWNER UPON PROJECT COMPLETION.
- UPON COMPLETION OF FINAL TESTING AND APPROVAL OF THE AHJ, THE SYSTEM VENDOR SHALL SUBMIT RECORD DRAWINGS TO THE OWNER DETAILING AS-BUILT CIRCUITING AS SHOWN ON THE INSTALLER'S RED-LINE MARKUPS. THEY SHALL INCORPORATE ALL FIELD AND DESIGN DIRECTIVES GIVEN THROUGHOUT THE PROJECT.
- CONTRACTOR SHALL UTILIZE SURFACE MOUNTED RACEWAY WHEN IT IS NOT POSSIBLE TO CONCEAL FIRE ALARM WIRING.
- FIRE ALARM SPEAKER INTELLIGIBILITY: THE LOCATIONS OF FIRE ALARM SPEAKERS ON THE FIRE ALARM PLANS ARE DIAGRAMMATIC. THE FINAL LOCATIONS FOR FIRE ALARM SPEAKERS SHALL BE DETERMINED BY THE VENDOR TO ENSURE FIRE ALARM SPEAKER INTELLIGIBILITY. PUBLIC MODE AUDIBILITY SHALL MAINTAIN A MINIMUM OF 15dB OVER AMBIENT; PRIVATE MODE AUDIBILITY SHALL MAINTAIN A MINIMUM OF 10dB OVER AMBIENT. SOUND LEVELS AND INTELLIGIBILITY SHALL BE IN ACCORDANCE WITH NFPA 72 REQUIREMENTS. PROVIDE APPROPRIATE SPEAKER TAP SETTINGS TO MEET REQUIREMENTS.
- LOCATION OF FLOW, SYSTEM PRESSURE AND TAMPER SWITCHES TO BE COORDINATED WITH FIRE PROTECTION DRAWINGS.

FIRE ALARM DEVICES

- FCC** FIRE COMMAND CENTER
- FACP** FIRE ALARM CONTROL PANEL; FLUSH MOUNTED
- FARC** FIRE ALARM REMOTE CABINET
- ANN** FIRE ALARM ANNUNCIATOR PANEL
- FAA** REMOTE ANNUNCIATOR
- PFSPP** POST FIRE SMOKE PURGE PANEL
- ECP** ELEVATOR CONTROL PANEL
- SCP** SMOKE CONTROL PANEL
- NAC** NOTIFICATION APPLIANCE CIRCUIT PANEL
- AMP** 100 WATT AUDIO AMPLIFIER
- ANP** AUDIO NOTIFICATION PANEL
- AMPEXP** 100 WATT AUDIO EXPANDER
- F** ADDRESSIBLE MANUAL PULL STATION - SINGLE ACTION PULL STATION W/ STOPPER COVER WITH HORN
- H** ADDRESSIBLE RATE OF RISE/FIXED TEMP HEAT DETECTOR - STANDARD DETECTOR BASE, CEILING MOUNTED. 135 DEGREE, UNLESS NOTED OTHERWISE.
- S** ADDRESSIBLE PHOTO SMOKE DETECTOR - STANDARD DETECTOR BASE, CEILING MOUNTED.
- C** CARBON MONOXIDE DETECTOR - REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS.
- D** DUCT SMOKE DETECTOR
- F/S** MULTI-CANDELA SPEAKER/STROBE, 70V, WALL MTD, WHITE WITH FIRE INDICATES FLUSH WALL OR CEILING MOUNTED. INDICATES CANDELA RATING
- F/S** 15/75CD CANDELA 4" SQUARE STROBE UNIT INDICATES CANDELA RATING
- F/S** FIRE ALARM SPEAKER UNIT 70V, WALL MTD, WHITE WITH FIRE, WALL MOUNTED - TOP OF DEVICE 90" MIN. OR AT 6' BELOW CEILING - WHICHEVER IS LOWER. INDICATES FLUSH WALL OR CEILING MOUNTED.
- ACR** AUXILIARY CONTROL RELAY
- AM** ADDRESSIBLE INPUT MODULE
- ADM** ADDRESSIBLE OUTPUT MODULE
- R** RELAY MODULE
- AR** FIRE FIGHTERS TELEPHONE OUTLET; WALL MOUNTED
- AR-CB** AREA OF REFUGE ASSISTANCE - REMOTE CALL INTERCOM STATION/CALL BOX
- AR-MCP** AREA OF REFUGE ASSISTANCE - MAIN CONTROL PANEL
- AR-MS** AREA OF REFUGE ASSISTANCE - MASTER STATION
- AR-PBX** AREA OF REFUGE ASSISTANCE - PBX INTERFACE
- DH** MAGNETIC DOOR HOLDER
- FSD** SMOKE/FIRE DAMPER - REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS
- KNOX** 3200 SERIES KNOX BOX
- AOR** AREA OF REFUGE
- S** SPRINKLER FLOW SWITCH
- S** SPRINKLER TAMPER SWITCH
- FCV** SPRINKLER FLOOR CONTROL VALVE
- PS** SPRINKLER PRESSURE SWITCH
- ASP** ACTIVE SHOOTER PANEL
- HTC** HEAT TRACING CONTROL PANEL
- MM** FIRE ALARM MONITOR MODULE
- CM** FIRE ALARM CONTROL MODULE
- CARP** CLEAN AGENT RELEASE PANEL
- B** ELECTRIC BELL

NOTE: NOT ALL SYMBOLS HAVE BEEN USED ON PROJECT DRAWINGS - SYMBOLS ON FIRE ALARM RISER ARE FOR DIAGRAMMATIC PURPOSE ONLY

FIRE ALARM PERFORMANCE NOTES:

- PROVIDE THE SERVICES OF A QUALIFIED FIRE ALARM CONTRACTOR/VENDOR WITH A MINIMUM OF 10-YEARS OF CERTIFIABLE PROFESSIONAL EXPERIENCE WITH EST FIRE ALARM SYSTEMS AND IS LOCATED WITHIN 100-MILES OF THE PROJECT SITE.
- ELECTRICAL AND FIRE ALARM CONTRACTORS SHALL PROVIDE ALL MANPOWER, EQUIPMENT, AND LABOR AS NECESSARY TO PROVIDE A COMPLETE AND OPERABLE SYSTEM. TEST AND ADJUST NEW FIRE ALARM SYSTEM AS NOTED BELOW.
- ALL FIRE ALARM TESTING SHALL OCCUR BETWEEN THE HOURS OF 9:00AM AND 4:00PM WEEKDAYS, EXCLUDING CITY HOLIDAYS.
- TEST AND ADJUST EACH HOME RUN CIRCUIT INDEPENDENTLY FROM OTHER HOME RUNS. ADJUST SYSTEM GAIN SO THAT ALL FIRE ALARM SPEAKERS PROVIDE 100DB SPL 'A' WEIGHTED AT 5-FEET ABOVE FINISHED FLOOR. USE A CALIBRATED SOUND PRESSURE METER (PER 2016 NFPA 72) DURING FIRE ALARM SYSTEM TESTS AND ADJUSTMENTS. BEGIN ALL TESTS WITH SYSTEM GAIN COMPLETELY OFF. DO NOT ACTIVATE OR TEST SYSTEM WITH AMPLIFIER GAINS FULLY OPEN.
- DEMONSTRATE SYSTEM PERFORMANCE TO THE OWNER AND LOCAL FIRE INSPECTOR AT THE SPECIFIED GAIN SETTINGS. ADJUST SOUND LEVELS AS NECESSARY TO SATISFY THE OWNER AND LOCAL FIRE INSPECTOR.
- ANY REQUIRED POWER CONNECTIONS, CONDUCTOR TYPES AND SIZES, BATTERY AND VOLTAGE DROP CALCULATIONS ARE TO BE SHOWN ON THE FIRE ALARM SHOP DRAWINGS
- FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE SET OF PROJECT SUBMITTALS INCLUDING BUT NOT LIMITED TO FLOOR PLANS, BATTERY CALCULATIONS, INSTALLATION DETAILS, ETC., TO SATISFY REQUIREMENTS OF THE LOCAL INSPECTION AGENCY FOR PERMITTING.

ABBREVIATIONS

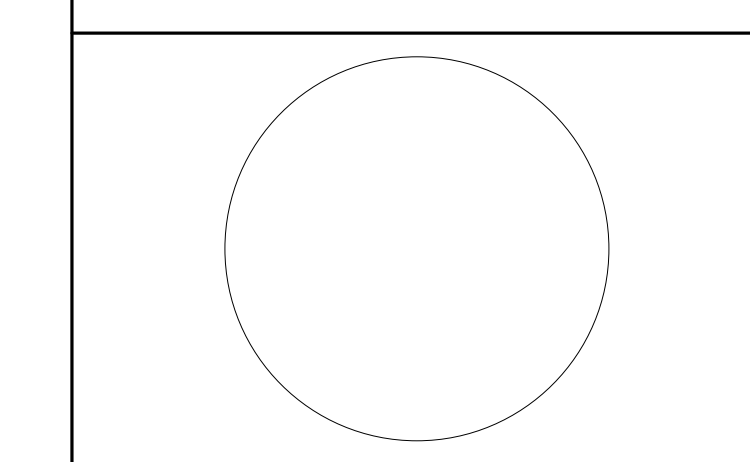
(AC)	ABOVE CEILING	HVAC	HEATING, VENTILATION, & AIR CONDITIONING
(C)	CEILING MOUNTED	LA	LOW AIR MONITOR
(E)	EXISTING	MAX	MAXIMUM
(N)	NEW	MIN	MINIMUM
(RC)	EXISTING TO REMOVE AND COVER	MM	MONITOR MODULE
(RD)	EXISTING DEVICE TO BE RELOCATED	N/A	NOT APPLICABLE
(RL)	RELOCATED DEVICE	NAC	NOTIFICATION APPLIANCE CIRCUIT
(RR)	REMOVE EXISTING AND REPLACE WITH NEW	NC	NO CONNECTION
(SF)	DEVICE MOUNTED IN SUBFLOOR	NO	NORMALLY CLOSED
(WM)	WALL MOUNT	NO	NORMALLY OPEN
(WP)	WEATHERPROOF	NDU	NETWORK DISPLAY UNIT
AFF	ABOVE FINISHED FLOOR	NEC	NATIONAL ELECTRICAL CODE
AHJ	AUTHORITY HAVING JURISDICTION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
ALM	ALARM	NIC	NOT IN CONTRACT
ANN	ANNUNCIATOR	NPU	NETWORK PROCESSOR UNIT
BMS	BUILDING MANAGEMENT SYSTEM	NTS	NOT TO SCALE
DET	DETECTOR	RTP	REMOTE TRANSDUCER PANEL
DGP	DATA GATHERING PANEL	SCC	STATUS COMMAND CENTER
DSD	DUCT SMOKE DETECTOR	SG	STOPPER GUARD
EOL	END OF LINE	SLC	SIGNALING LINE CIRCUIT
ELR	END OF LINE RESISTOR	SMK	SMOKE
EP	EXPLOSION PROOF	SP	STAR PRESSURIZATION
C	COMMON	SPRV	SUPERVISORY
CARP	CLEAN AGENT RELEASE PANEL	T	TAMPER RESISTANT
CD	CANDELA	TRBL	TROUBLE
CM	CONTROL MODULE	TP	TYPICAL
CLG	CEILING MOUNTED DEVICE	TP	TWISTED PAIR
E	EXISTING DEVICE	TSP	TWISTED SHIELDED PAIR
EPO	EMERGENCY POWER OFF	TS	TAMPER SWITCH
ER	ELEVATOR RECALL	UCN	UNLESS OTHERWISE NOTED
FACP	FIRE ALARM CONTROL PANEL	VCC	VOICE COMMAND CENTER
FATC	FIRE ALARM TRANSDUCER CABINET	VF	VALVE TAMPER
FARC	FIRE ALARM REMOTE CABINET	WF	WATER FLOW SWITCH
FBO	FURNISHED BY OTHERS	WG	WIRE GUARD
FCC	FIRE COMMAND CENTER	W	WATT
FCV	FLOOR CONTROL VALVE	WP	WEATHERPROOF
FS	FLOW SWITCH		
FSD	FIRE SMOKE DAMPER		
GCC	GRAPHIC COMMAND CENTER		
HT	HEIGHT		

DAS EMERGENCY RESPONDER RADIO AMPLIFICATION SYSTEM NOTES:

EMERGENCY RESPONDER RADIO COVERAGE SHALL BE PROVIDED IN ALL NEW BUILDINGS IN ACCORDANCE WITH SECTION 510 OF THE INTERNATIONAL FIRE CODE. DOCUMENTATION MUST BE PROVIDED TO DESCRIBE HOW THIS REQUIREMENT WILL BE ADDRESSED TO SATISFY CODE REQUIREMENTS. FIRE DEPARTMENT APPROVAL IS REQUIRED.

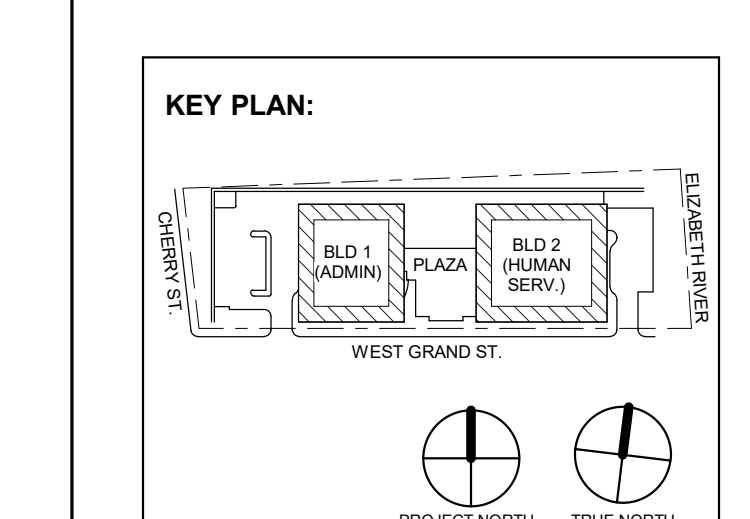
- IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO CONTACT LOCAL AHJ TO DETERMINE IF JURISDICTION HAS ANY DAS SPECIFICATIONS OR CODE REQUIREMENTS PERTAINING TO EMERGENCY RESPONDER COMMUNICATIONS.
- THE DAS SYSTEM WILL BE A DELEGATED DESIGN AND THE E.C. SHALL INCLUDE IN THEIR BID THE COST TO RETAIN THE SERVICES OF A DAS DESIGN AND INSTALLATION FIRM WITH (BICSI) REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER (RCDD) ON STAFF.
- DAS DESIGN FIRM SHALL PROVIDE DAS FLOOR AND RADIO AMPLIFICATION EQUIPMENT LAYOUT, DAS RISER DIAGRAM AND A BILL OF MATERIALS. THEY WILL WORK WITH LOCAL AHJ ON ALL REQUIRED TESTING AND INSPECTIONS OF THE BUILDING DURING CONSTRUCTION AND MAKE ADJUSTMENT TO THE DESIGN AS REQUIRED.
- THE DESIGNED DAS SYSTEM SHALL INCLUDE AT A MINIMUM EIGHTEEN (18) BDA UNITS AND RELATED EQUIPMENT TO AMPLIFY THE REQUIRED FREQUENCIES: AN INTERNAL BATTERY BACKUP SYSTEM, ROOF TOP DONOR ANTENNA.
- E.C. SHALL INCLUDE IN THEIR BID THE MATERIAL AND INSTALLATION COST TO PROVIDE THE RISER INFRASTRUCTURE FOR A DAS SYSTEM, DAS FLOOR AND RADIO AMPLIFICATION EQUIPMENT, ANTENNAS AND ALL CABLEING TO PROVIDE A COMPLETE OPERABLE AND CODE COMPLIANT DAS SYSTEM.

H2M Associates, Inc.
 119 Cherry Hill Road, Suite 110
 Parsippany, NJ 07054
 862.207.8900 • www.h2m.com
 NJ Landscape Architecture Certificate No: 21MH00010330
 NJ Engineering Certificate of Authorization No: 24GA26019100



JOHN CHRIS MORRIS III, P.E.

ALTERNATE TO THIS DOCUMENT IS COPY BY A LICENSED PROFESSIONAL ENGINEER. THE SIGNATURE OF THE REGISTERED PROFESSIONAL ENGINEER SHALL BE REQUIRED FOR ALL CHANGES TO THIS DOCUMENT. (SEE LIST OF REGISTERED PROFESSIONAL ENGINEERS FOR A LIST OF REGISTERED ENGINEERS.)
 DESIGNED BY: **SRF** DRAWN BY: **SRF** CHECKED BY: **SGS** REVIEWED BY: **JCM**
 PROJECT No: **DGA2301** DATE: **11/08/2023** SCALE: **AS SHOWN**



1	12/01/2023	Addendum No. 01
	11/08/2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DiGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA #A1 05827100

PRELIMINARY
 NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: **UNION COUNTY IMPROVEMENT AUTHORITY**

Project: **UNION COUNTY GOVERNMENT COMPLEX**
 91 & WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 20.072
 Date: 11/08/2023
 Drawn By: JB/AV/PC
 Checked By: JM/SH

Sheet Name: **FIRE ALARM LEGEND, SYMBOLS, NOTES & ABBREVIATIONS**

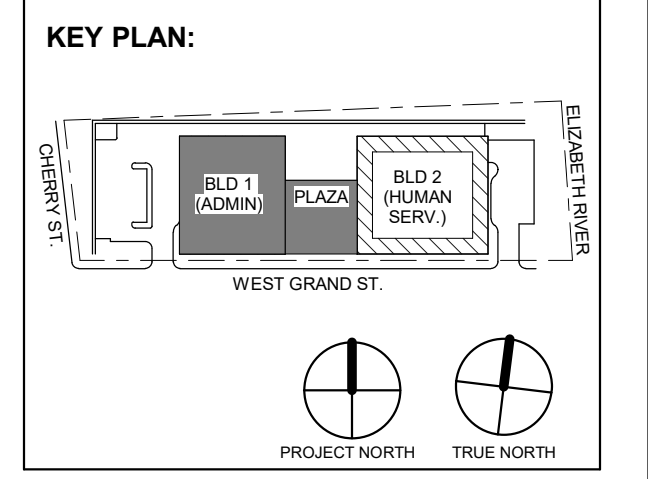
Sheet No:

FA-001

H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 - www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010300
NJ Engineering Certificate of Authorization No.: 24GA26019100

JOHN CHRIS MORRIS III, P.E.
NJ PROFESSIONAL ENGINEER (No. 34388989)

DESIGNED BY: SRF
DRAWN BY: SRF
CHECKED BY: SGS
REVIEWED BY: JCM
PROJECT No: DIGA2301
DATE: 11/08/2023
SCALE: AS SHOWN



No.	Date	Description
1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

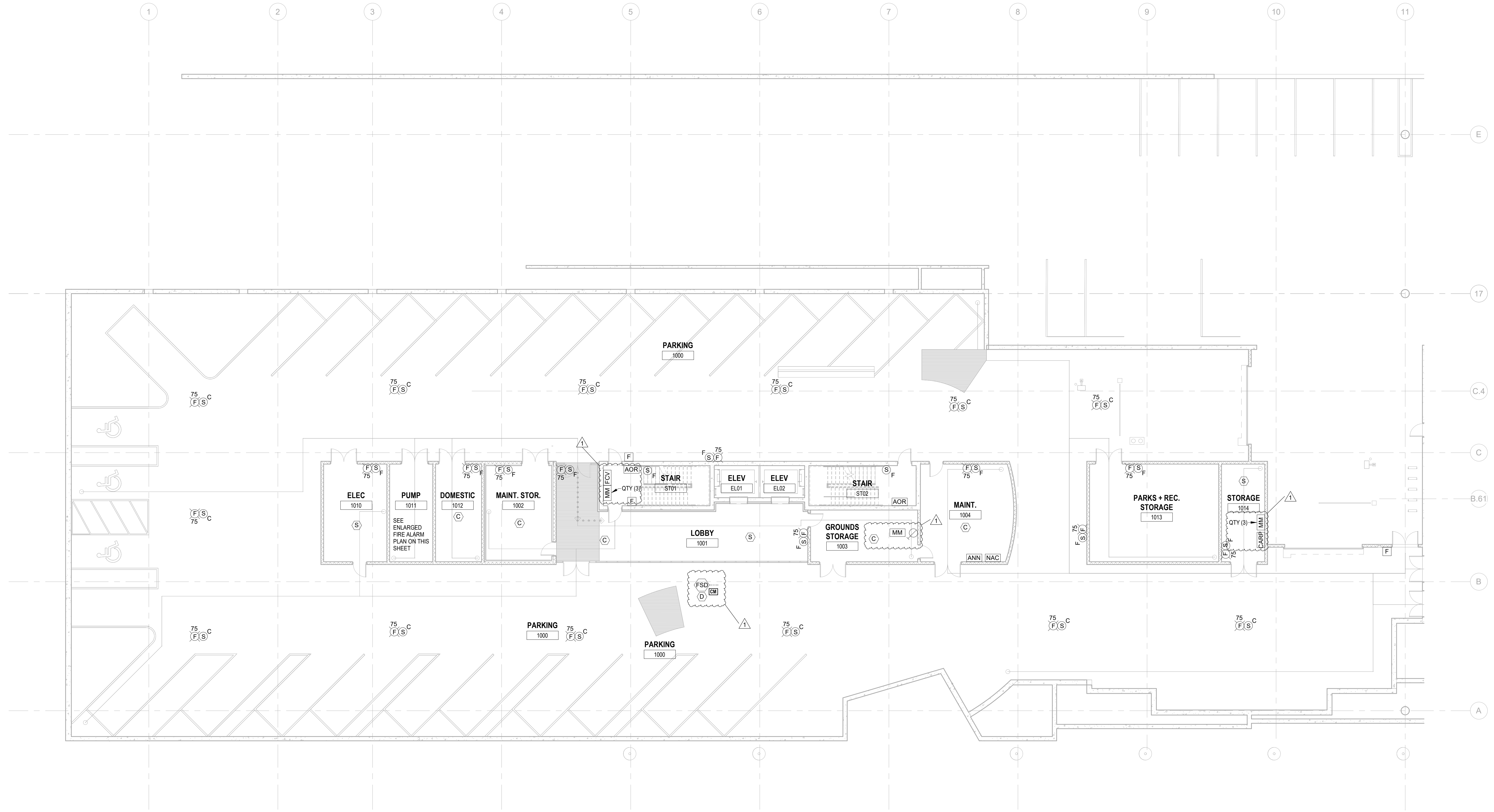
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

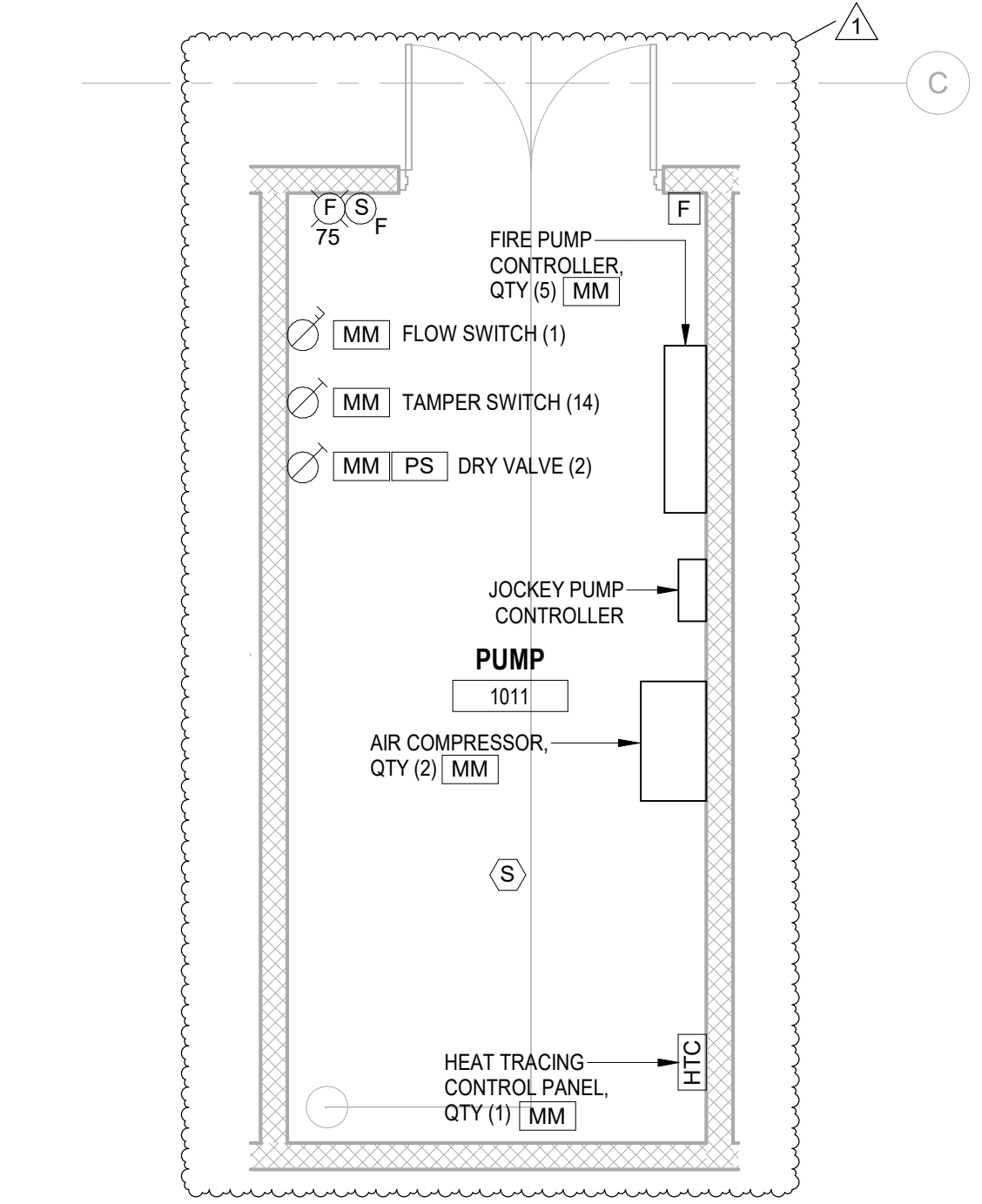
Sheet Name:
BUILDING NO. 1 - LEVEL 0 - FIRE ALARM PLAN

Sheet No:

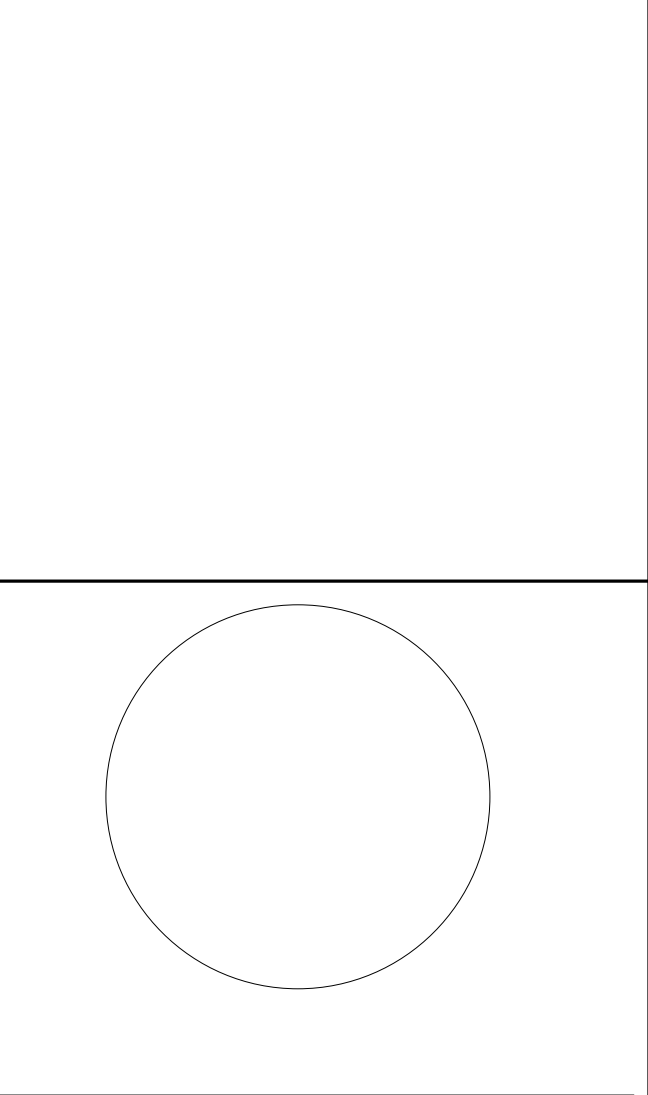
FA-101



1 BUILDING NO. 1 - LEVEL 0 - FIRE ALARM PLAN
FA-101 SCALE: 3/32" = 1'-0"
SCALE BAR: 3/32"=1'-0"

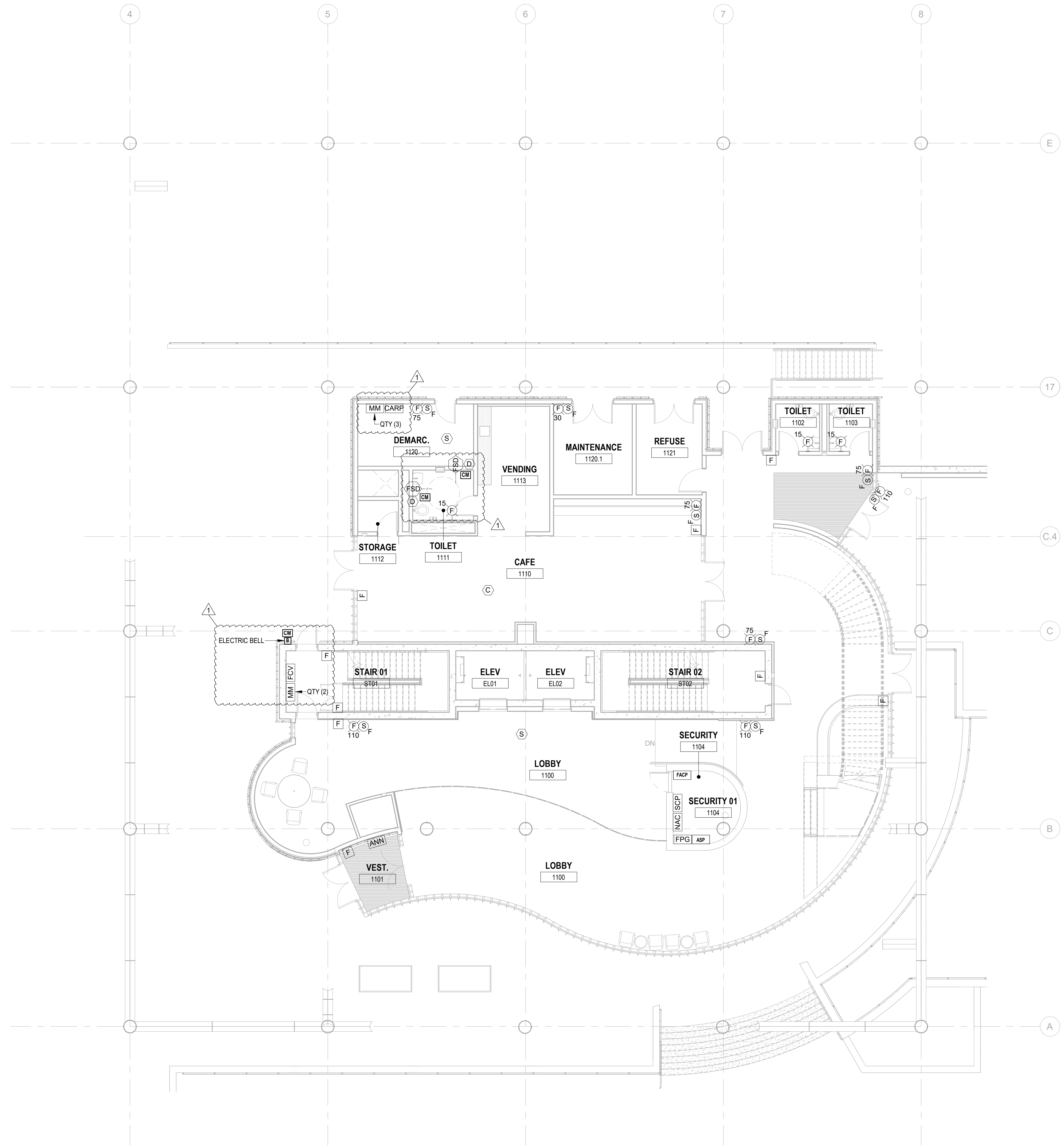
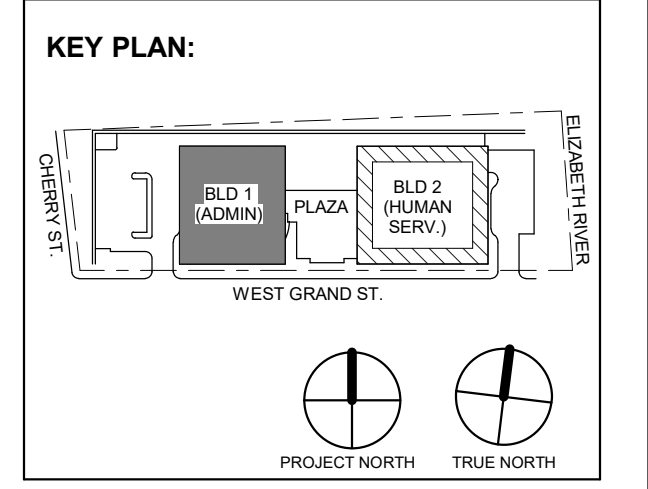


2 BUILDING NO. 1 - PUMP ROOM 1011 - ENLARGED FIRE ALARM PLAN
FA-101 SCALE: 1/4" = 1'-0"



JOHN CHRIS MORRIS III, P.E.
NJ PROFESSIONAL ENGINEER (No. 00088907)

DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
SRF	SRF	SGS	JCM
PROJECT No:	DATE:	SCALE:	
DIGA2301	11/08/2023	AS SHOWN	



1 BUILDING NO.1 - LEVEL 1 - FIRE ALARM PLAN
FA-102 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"

1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

**PRELIMINARY
NOT FOR CONSTRUCTION**

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
**UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202**

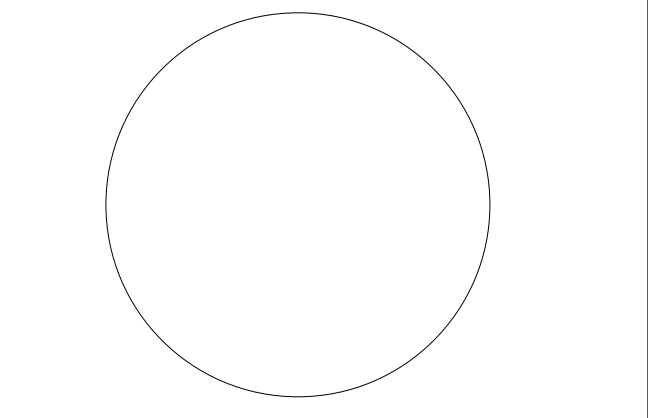
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JMSH

Sheet Name:
BUILDING NO.1 - LEVEL 1 - FIRE ALARM PLAN

Sheet No:

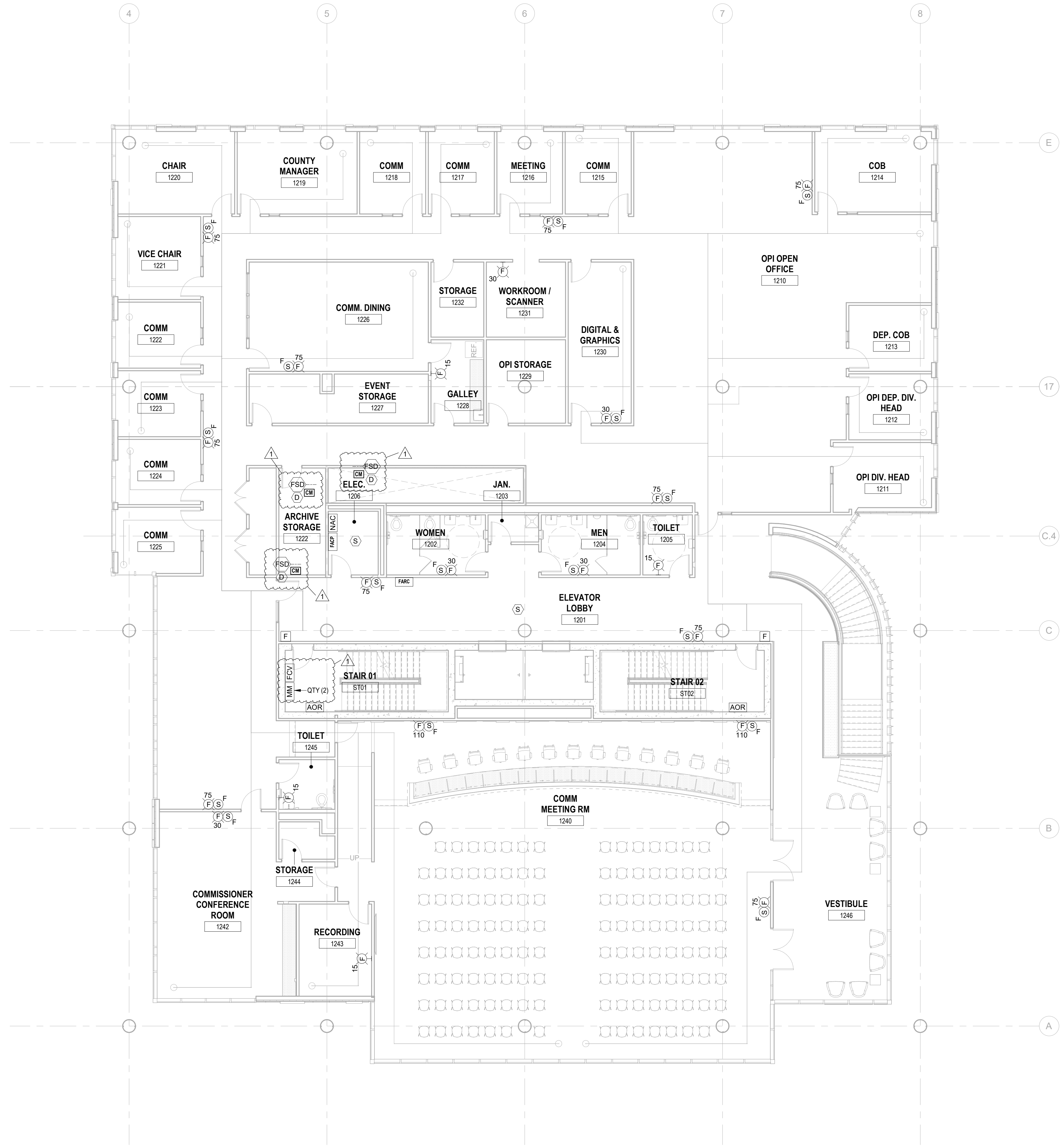
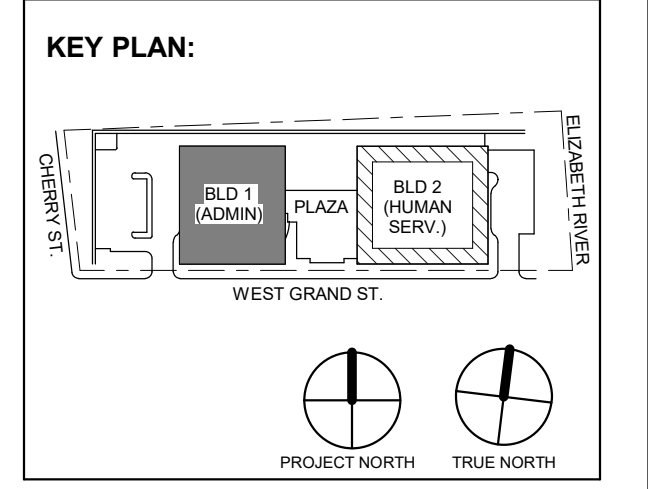
FA-102

H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.8900 - www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010300
NJ Engineering Certificate of Authorization No.: 24GA26019100



JOHN CHRIS MORRIS III, P.E.
NJ PROFESSIONAL ENGINEER (No. 00000000)

DESIGNED BY: SRF
DRAWN BY: SRF
CHECKED BY: SGS
REVIEWED BY: JCM
PROJECT No: DIGA2301
DATE: 11/08/2023
SCALE: AS SHOWN



1 BUILDING NO.1 - LEVEL 2 - FIRE ALARM PLAN
FA-103 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"

Revisions / Issues table with columns for No., Date, Description, and Revisions / Issues.

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

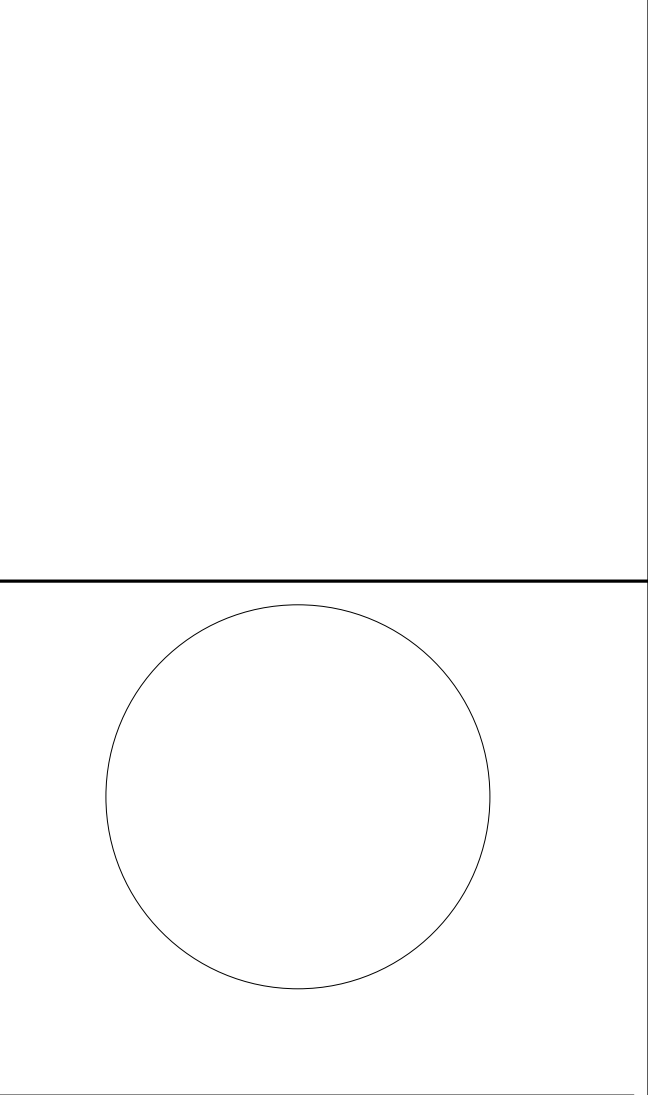
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO.1 - LEVEL 2 - FIRE ALARM PLAN

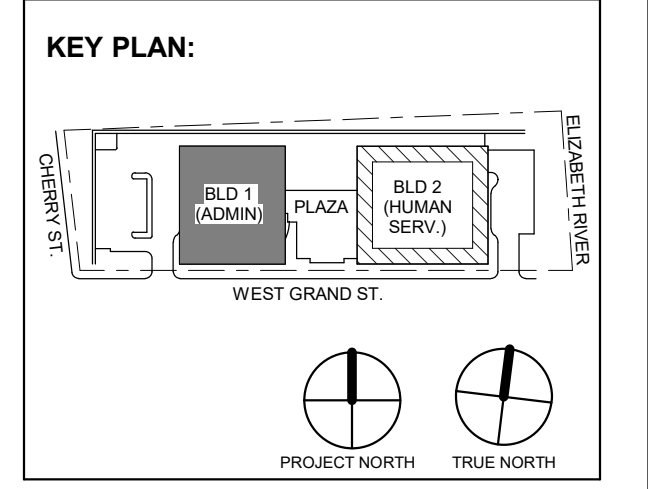
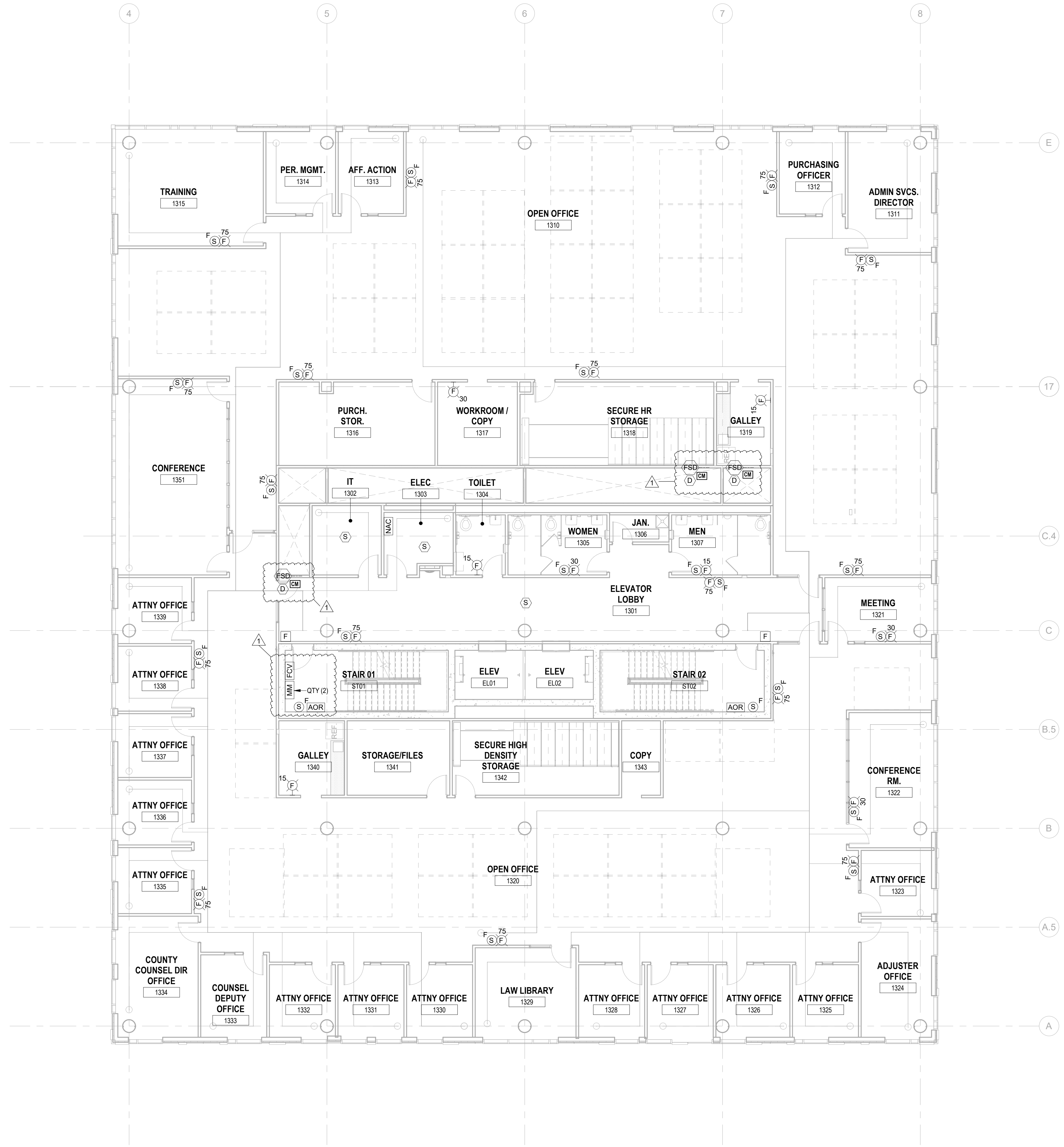
Sheet No:

FA-103

H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 - www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010300
NJ Engineering Certificate of Authorization No.: 24GA26019100



JOHN CHRIS MORRIS III, P.E.
ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS LEGAL.
DESIGNED BY: (DRAWN BY: CHECKED BY: REVIEWED BY:)
SRF SRF SGS JCM
PROJECT No: DGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JMSH

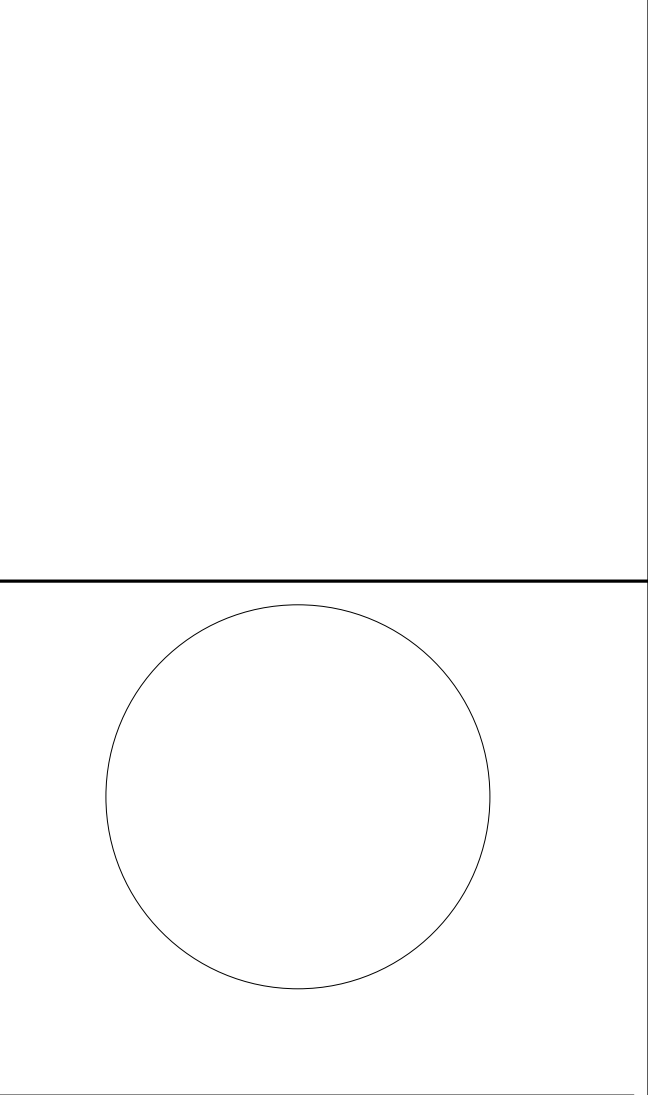
Sheet Name:
BUILDING NO. 1 - LEVEL 3 - FIRE ALARM PLAN

Sheet No:

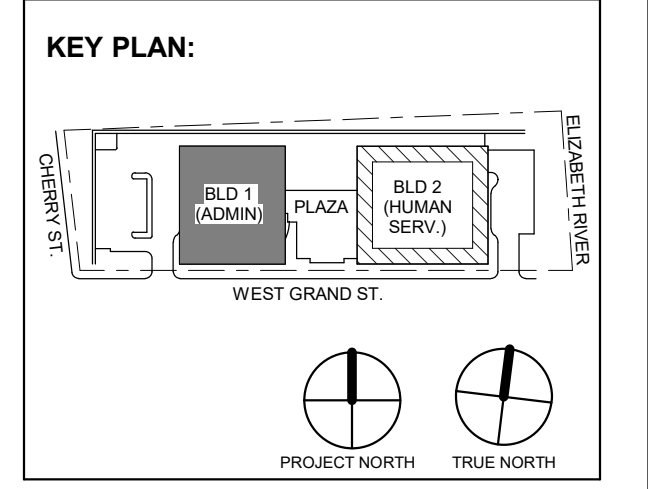
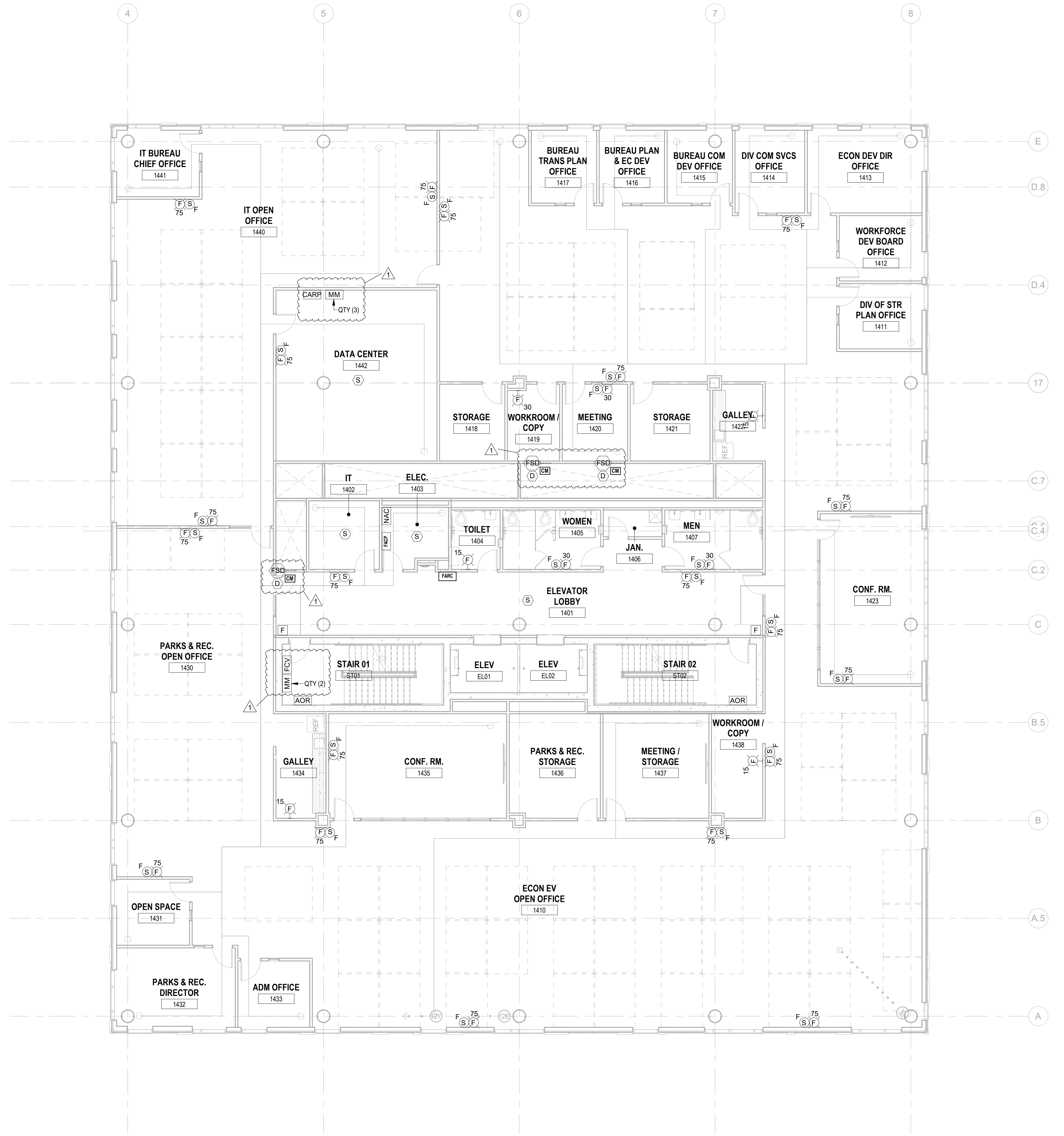
FA-104

1 BUILDING NO. 1 - LEVEL 3 - FIRE ALARM PLAN
FA-104 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"

H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 - www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010300
NJ Engineering Certificate of Authorization No.: 24GA26019100



JOHN CHRIS MORRIS III, P.E.
NJ PROFESSIONAL ENGINEER (No. 34888888)
ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS LEGAL.
DESIGNED BY: (DRAWN BY: CHECKED BY: REVIEWED BY:)
SRF SRF SGS JCM
PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

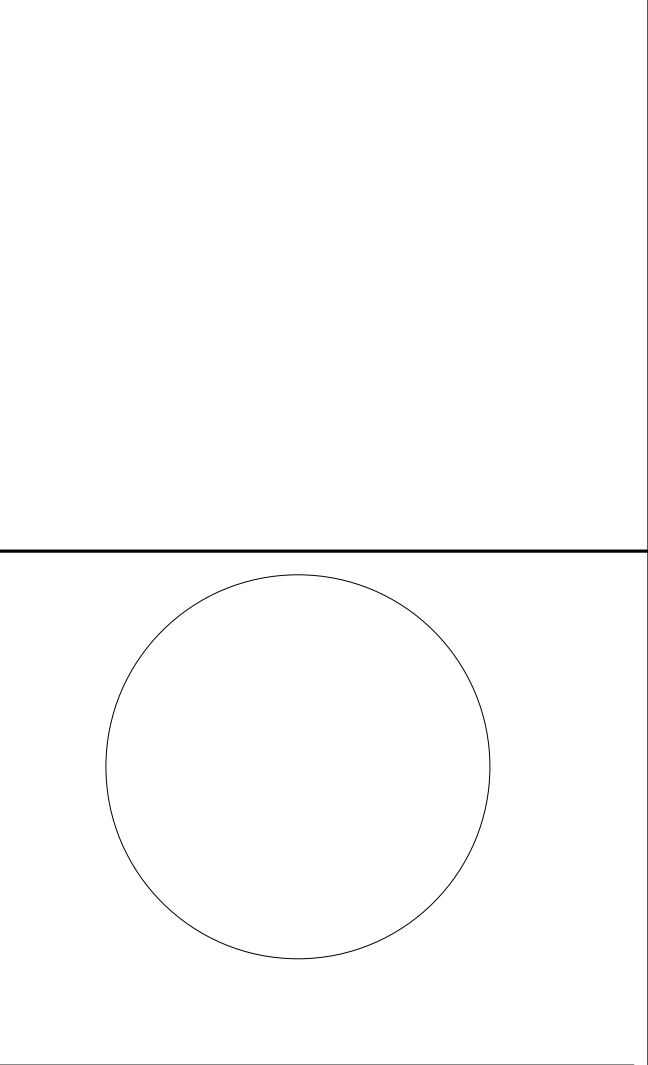
Sheet Name:
BUILDING NO.1 - LEVEL 4 - FIRE ALARM PLAN

Sheet No:

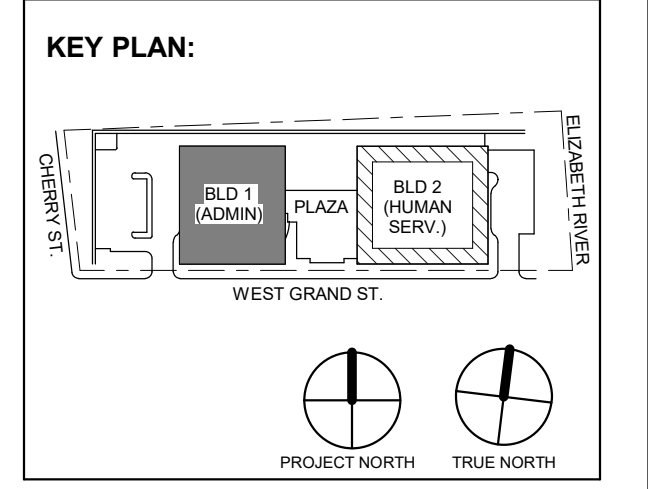
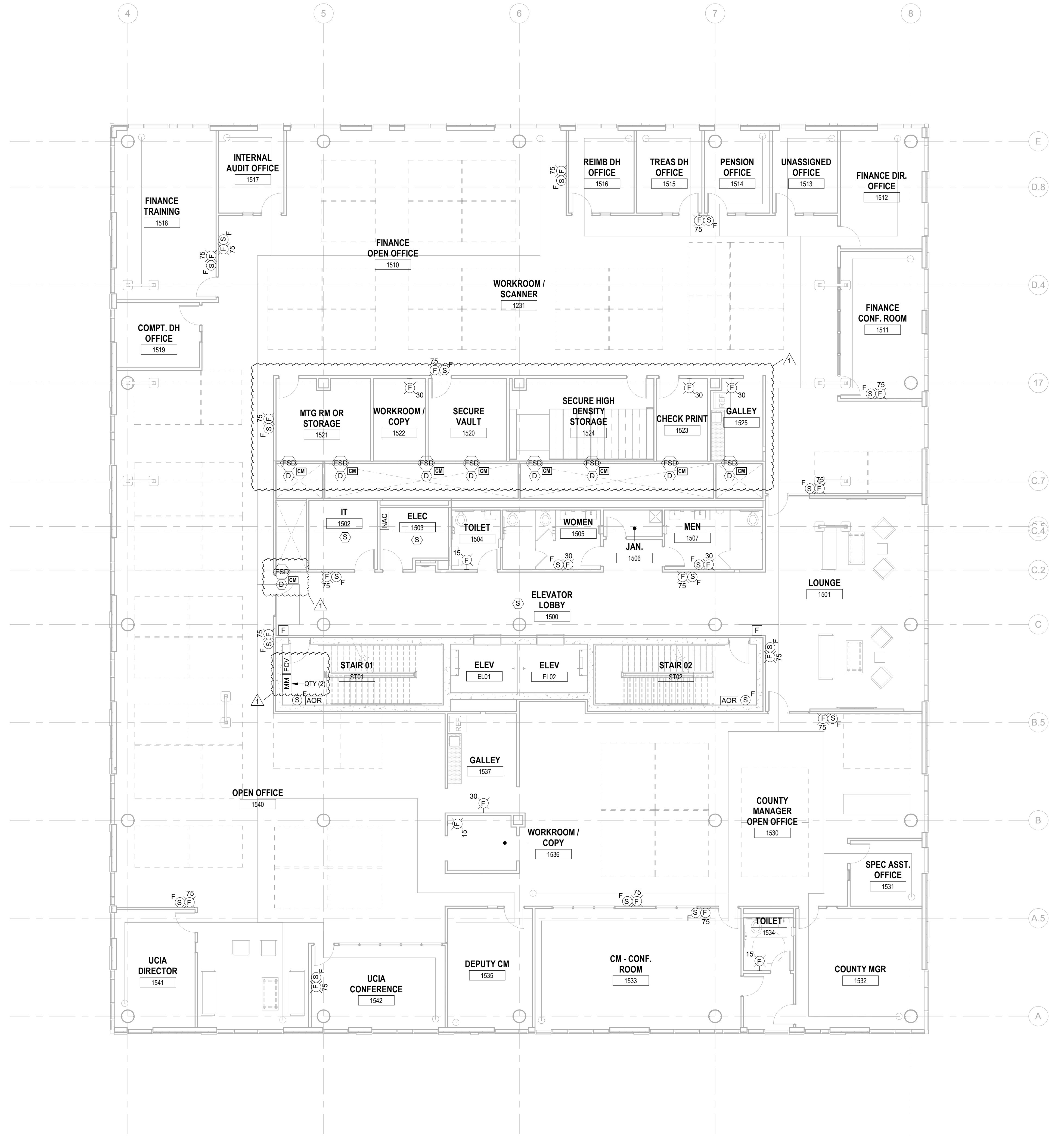
FA-105

1 BUILDING NO.1 - LEVEL 4 - FIRE ALARM PLAN
FA-105 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"

H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 - www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010300
NJ Engineering Certificate of Authorization No.: 24GA26019100



JOHN CHRIS MORRIS III, P.E.
ALTERNATE OF THE DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER.
DESIGNED BY: (DRAWN BY: CHECKED BY: REVIEWED BY:)
SRF SRF SGS JCM
PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



1 12/01/2023 Addendum No. 01
11/08/2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 03827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

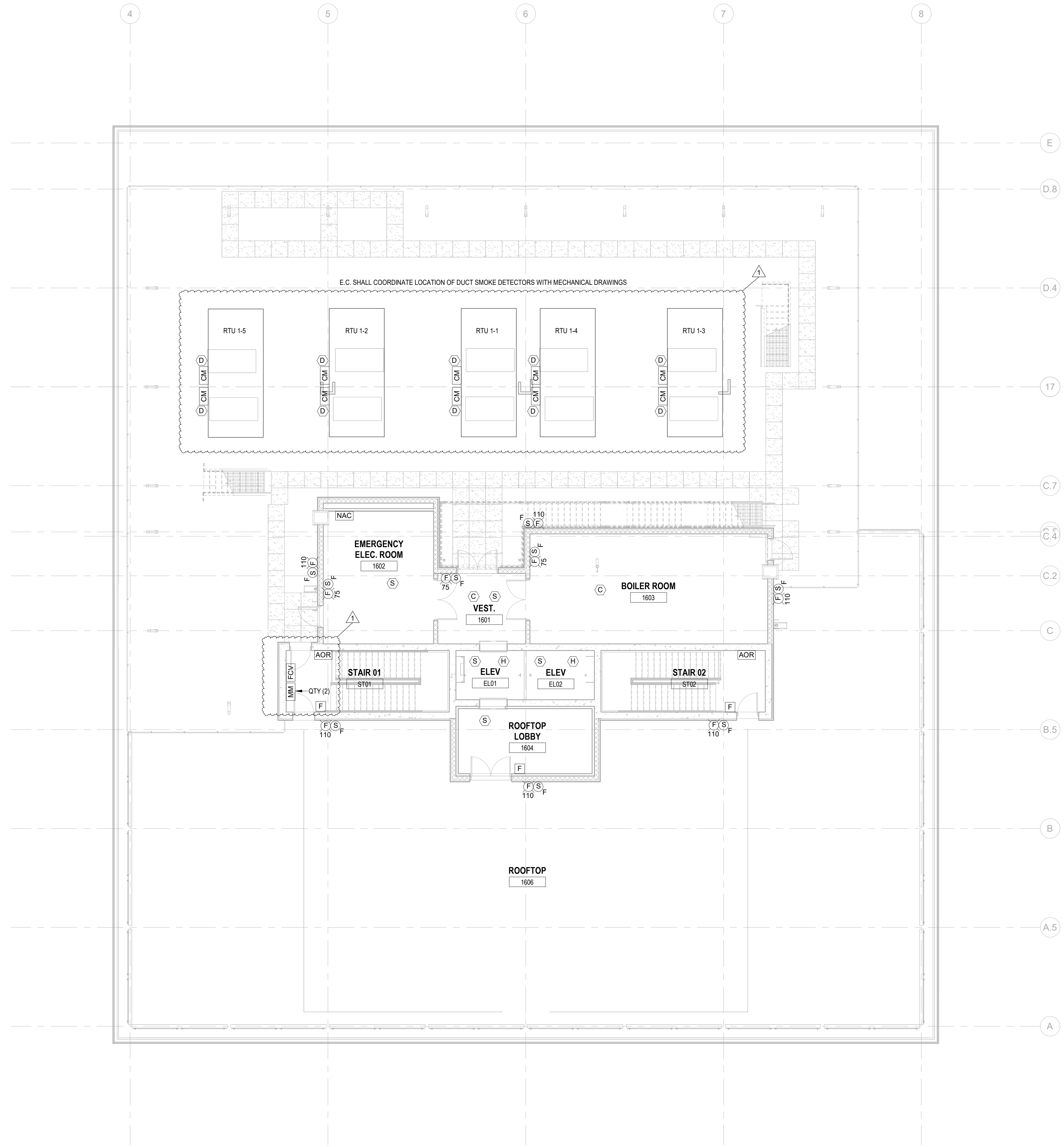
Drawing Information:
Project No: 20.072
Date: 11/08/2023
Drawn By: JBA/VPC
Checked By: JMSH

Sheet Name:
BUILDING NO.1 - LEVEL 5 - FIRE ALARM PLAN

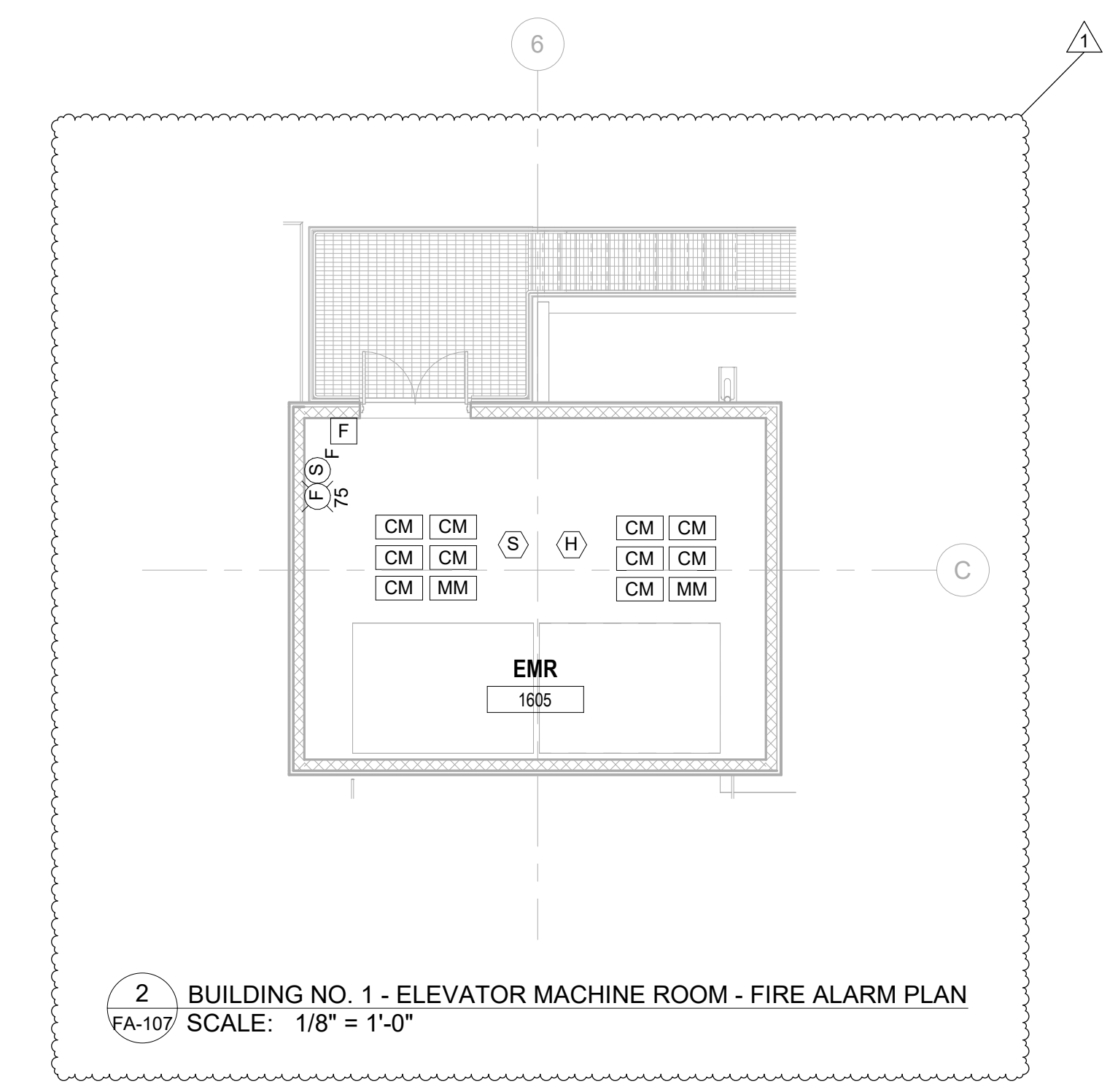
Sheet No:

FA-106

1 BUILDING NO.1 - LEVEL 5 - FIRE ALARM PLAN
FA-106 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"



1 BUILDING NO.1 - ROOF - FIRE ALARM PLAN
 FA-107 SCALE: 1/8" = 1'-0"
 0' 2' 4' 8' 16'
 SCALE BAR: 1/8"=1'-0"

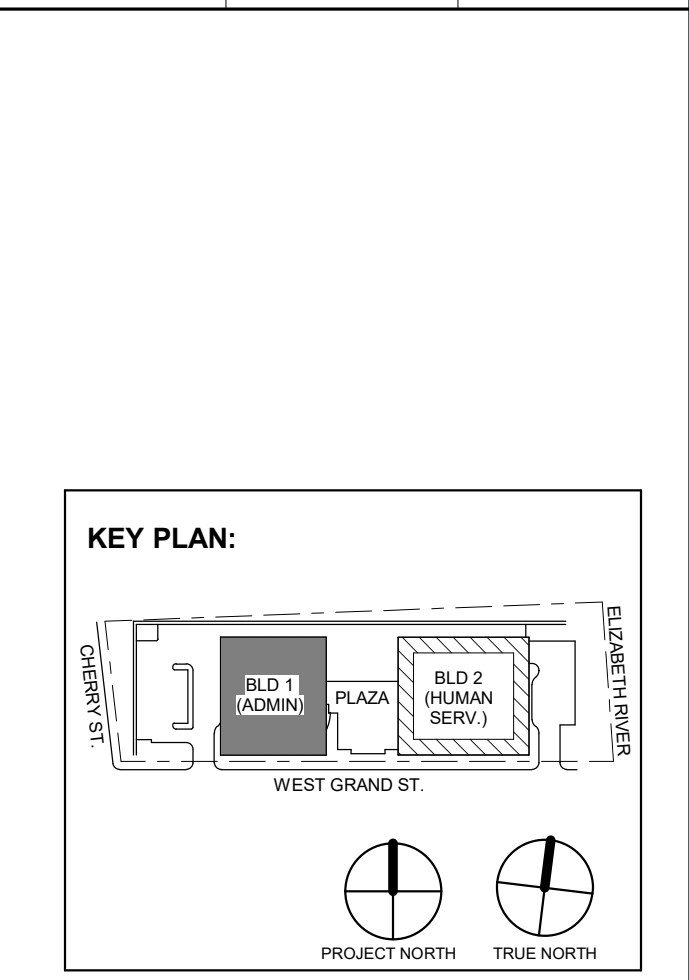


2 BUILDING NO. 1 - ELEVATOR MACHINE ROOM - FIRE ALARM PLAN
 FA-107 SCALE: 1/8" = 1'-0"



JOHN CHRIS MORRIS III, P.E.
 A PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY
 ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS LEGAL.
 THE DESIGN AND CONSTRUCTION OF THIS DOCUMENT SHALL BE FOR THE PROJECT AND SITE ONLY.
 DESIGNED BY: (DRAWN BY: CHECKED BY: REVIEWED BY:)
 SRF SRF SGS JCM
 PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN

PROJECT No.	DATE	SCALE
DIGA2301	11/08/2023	AS SHOWN



No.	Date	Description
1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid
		Revisions / Issues

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT COMPLEX
 81 & 83 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 20.072
 Date: 11.08.2023
 Drawn By: JBA/VPC
 Checked By: JMSH

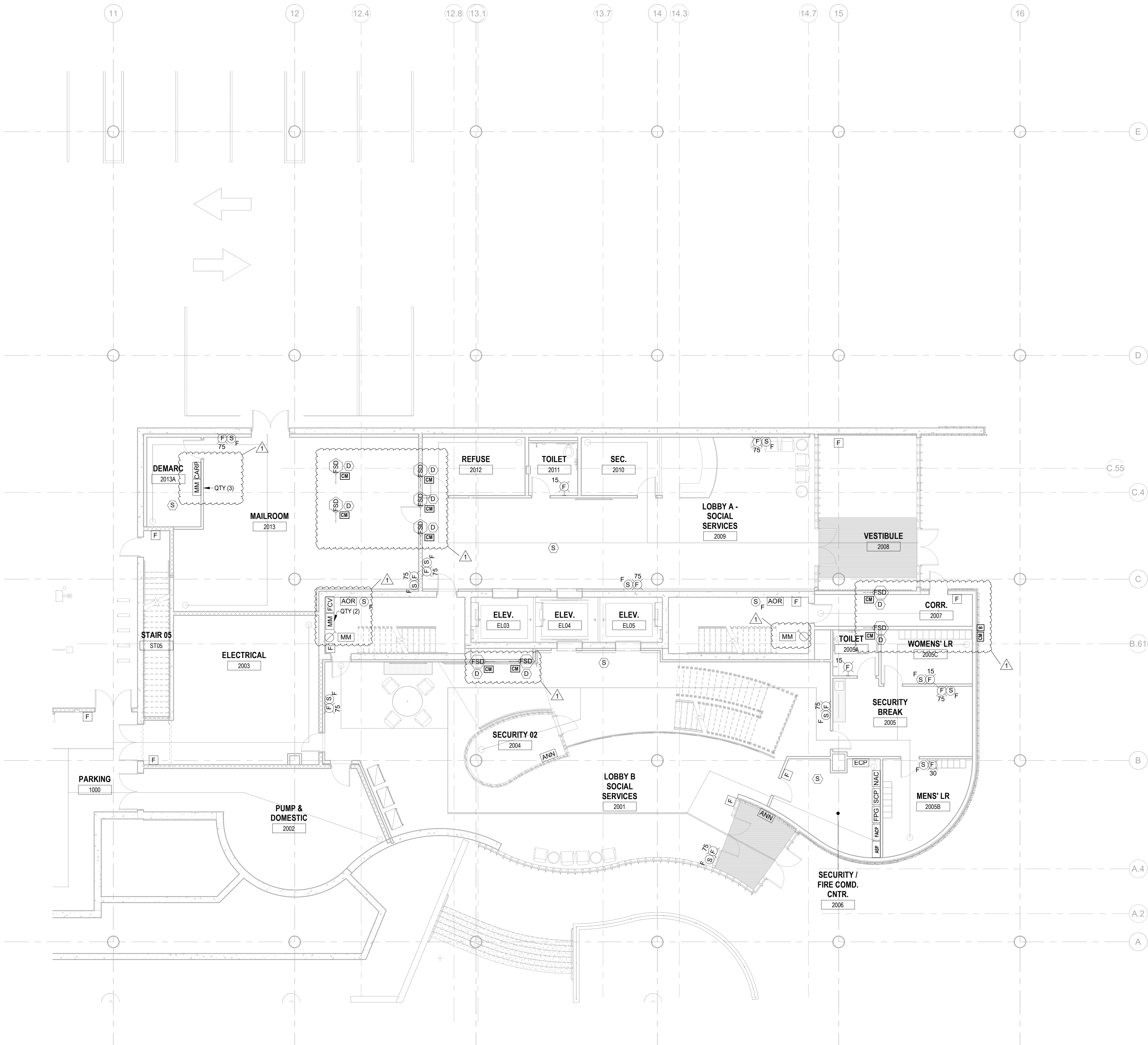
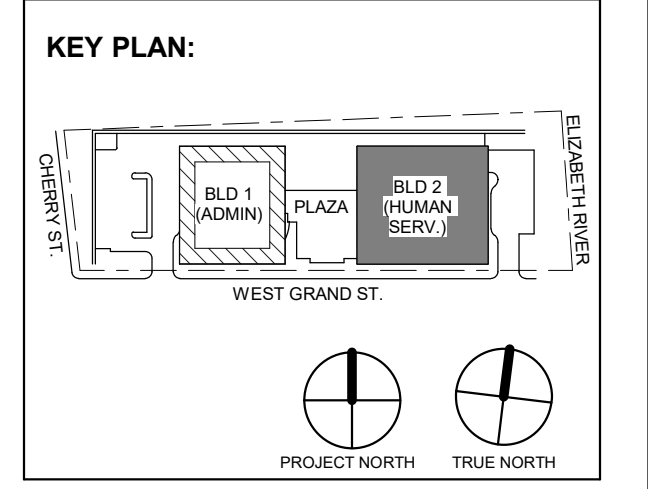
Sheet Name:
BUILDING NO.1 - ROOF - FIRE ALARM PLAN

Sheet No:
FA-107

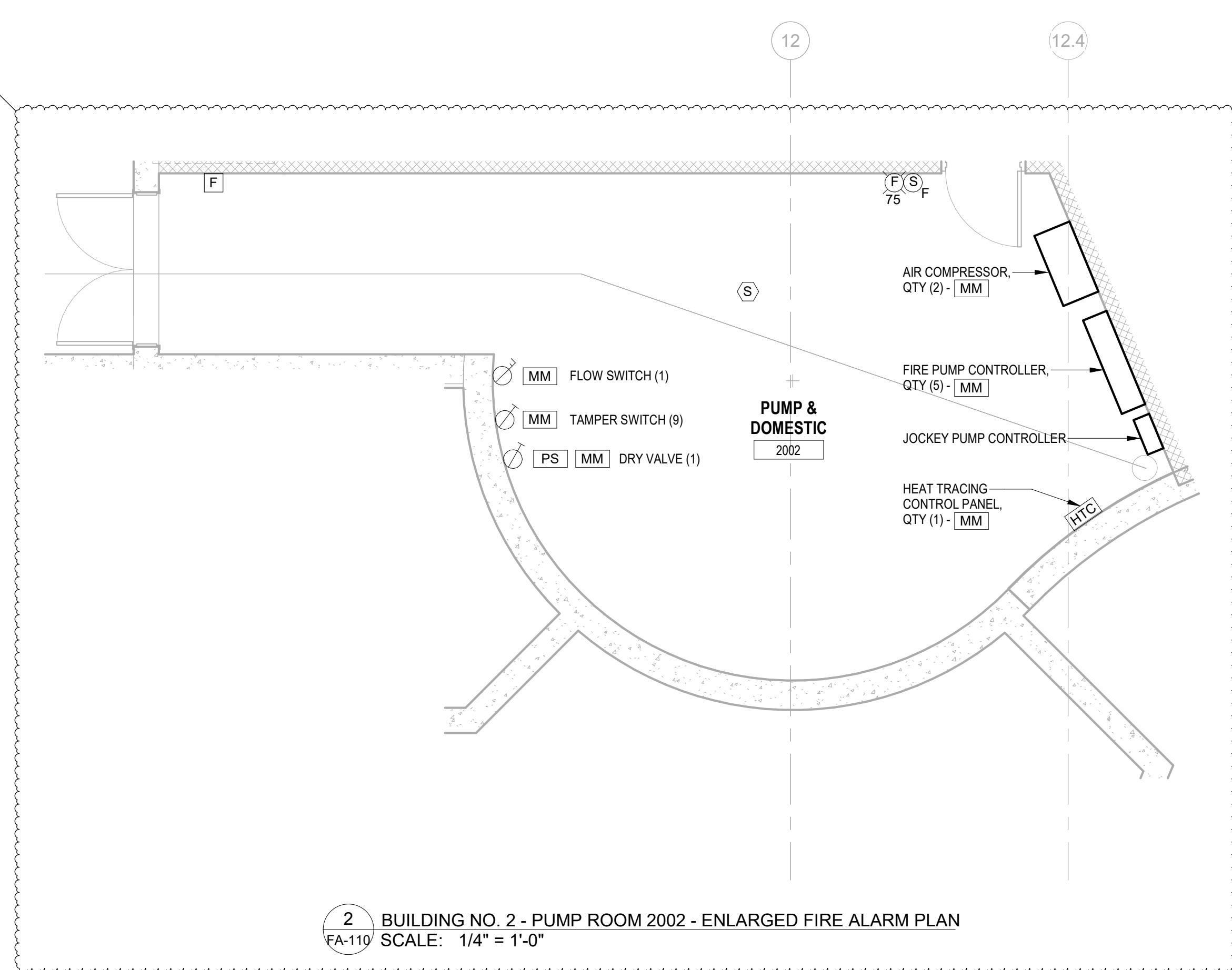
H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010300
NJ Engineering Certificate of Authorization No.: 24GA26019100

JOHN CHRIS MORRIS III, P.E.
NJ PROFESSIONAL ENGINEER (No. 34388888)

DESIGNED BY	SRF	SRF	SGS	JCM
DRAWN BY				
CHECKED BY				
REVIEWED BY				
PROJECT No.	DATE	SCALE		
DIG2301	11/08/2023	AS SHOWN		



1 BUILDING NO. 2 - LEVEL 0 - FIRE ALARM PLAN
FA-110 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"



2 BUILDING NO. 2 - PUMP ROOM 2002 - ENLARGED FIRE ALARM PLAN
FA-110 SCALE: 1/4" = 1'-0"

1	12/01/2023	Addendum No. 01
	11/08/2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 03827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

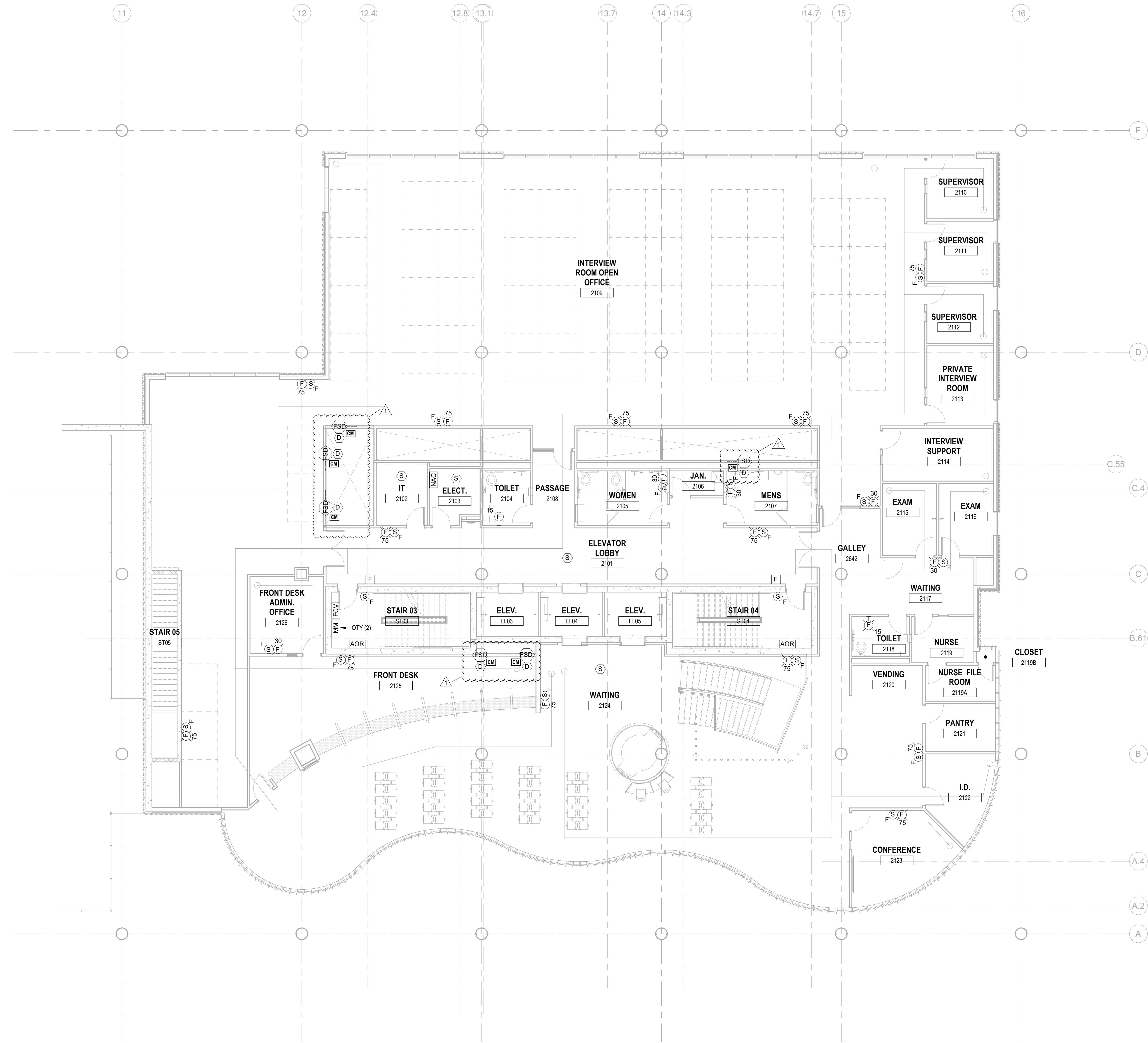
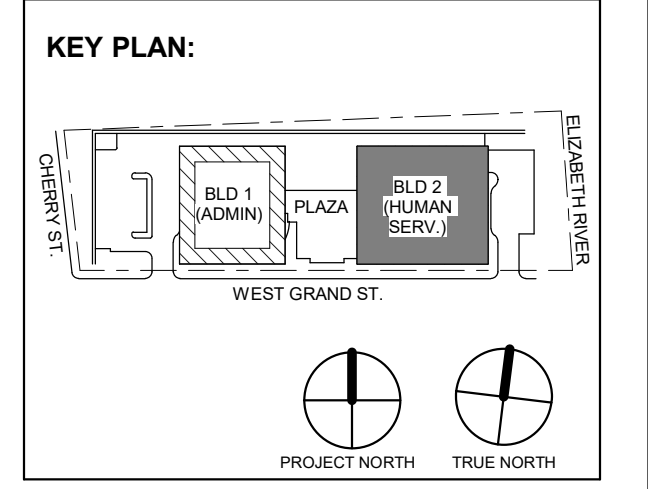
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 2 - LEVEL 0 - FIRE ALARM PLAN

Sheet No:

FA-110



1 BUILDING NO.2 - LEVEL 1 - FIRE ALARM PLAN
FA-111 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"

1 12/01/2023 Addendum No. 01
11/08/2023 For Public Bid
No. Date Description
Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 05827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO.2 - LEVEL 1 - FIRE ALARM PLAN

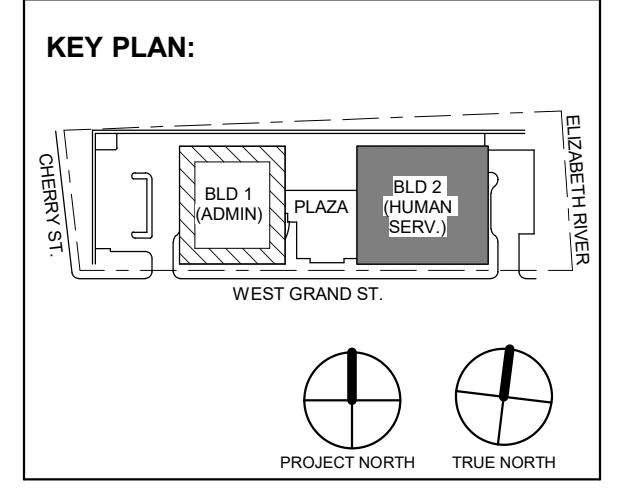
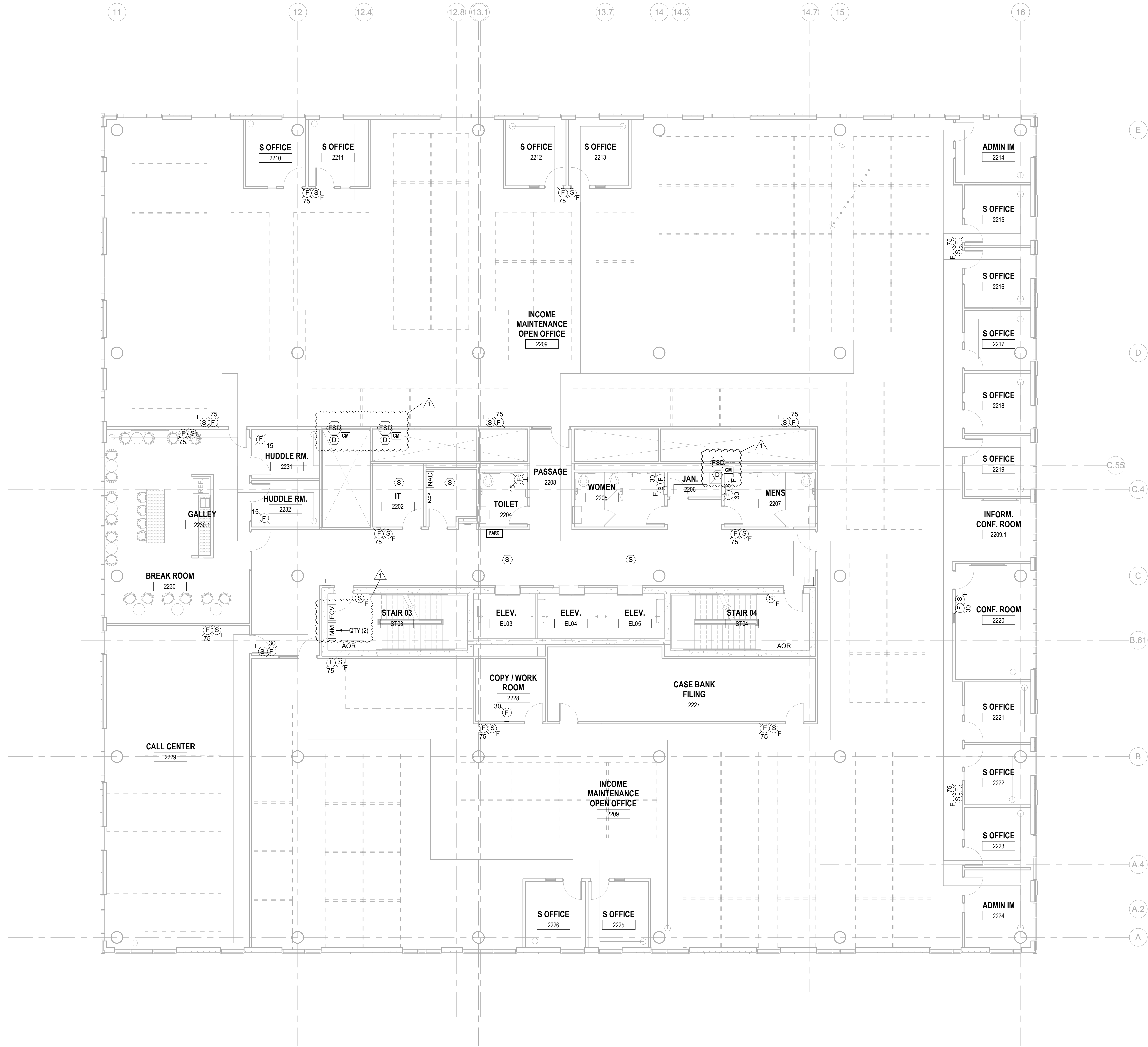
Sheet No:

FA-111

JOHN CHRIS MORRIS III, P.E.
NJ PROFESSIONAL ENGINEER (No. 34888888)

ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS LEGAL.
THIS DRAWING IS NOT CONSIDERED AN OFFICIAL DOCUMENT UNLESS IT BEARS THE REGISTERED SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
SRF	SRF	SGS	JCM
PROJECT No:	DATE:	SCALE:	AS SHOWN
DIG2301	11/08/2023		



1	12/01/2023	Addendum No. 01
	11/08/2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 03827100

**PRELIMINARY
NOT FOR CONSTRUCTION**

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
**UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202**

Drawing Information:
Project No: 20.072
Date: 11/08/2023
Drawn By: JBA/WPC
Checked By: JM/SH

Sheet Name:
BUILDING NO.2 - LEVEL 2 - FIRE ALARM PLAN

Sheet No:

FA-112

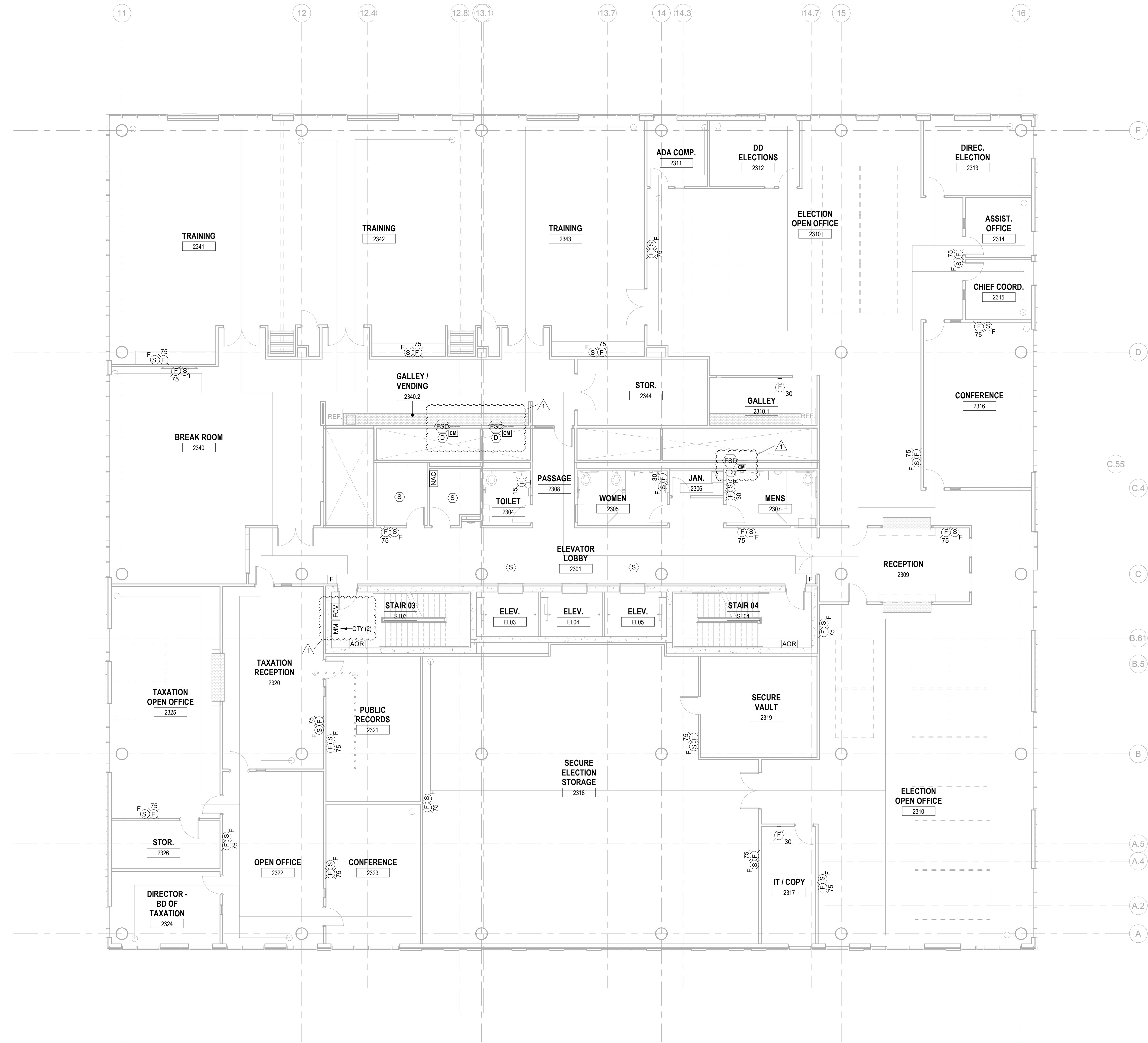
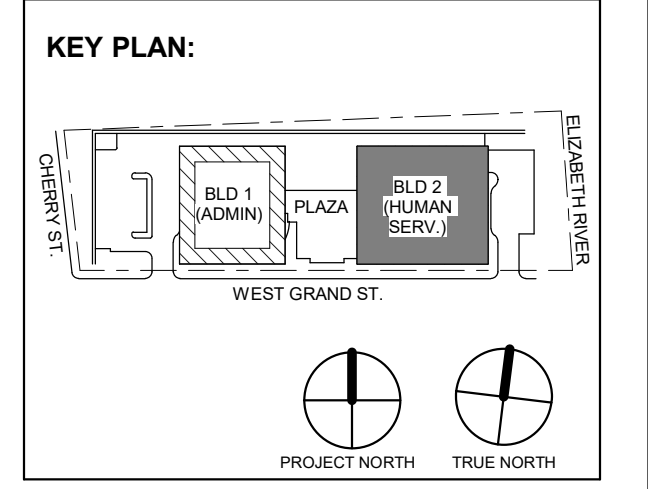
1 BUILDING NO.2 - LEVEL 2 - FIRE ALARM PLAN
FA-112 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"

H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 - www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010300
NJ Engineering Certificate of Authorization No.: 24GA26019100

JOHN CHRIS MORRIS III, P.E.
NJ PROFESSIONAL ENGINEER (No. 34888987)

DESIGNED BY	SRF	SRF	SGS	JCM
DRAWN BY				
CHECKED BY				
REVIEWED BY				

PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



1 BUILDING NO.2 - LEVEL 3 - FIRE ALARM PLAN
 FA-113 SCALE: 1/8" = 1'-0"
 SCALE BAR: 1/8"=1'-0"

1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA AI 00827100

PRELIMINARY
 NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT COMPLEX
 81 & 83 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 20.072
 Date: 11.08.2023
 Drawn By: JBA/VPC
 Checked By: JM/SH

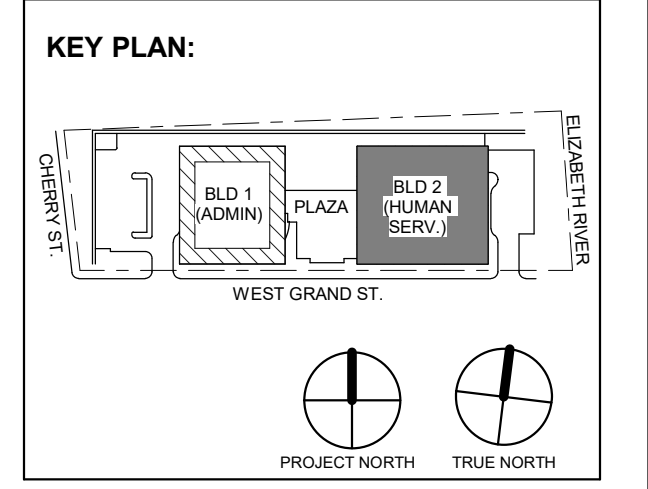
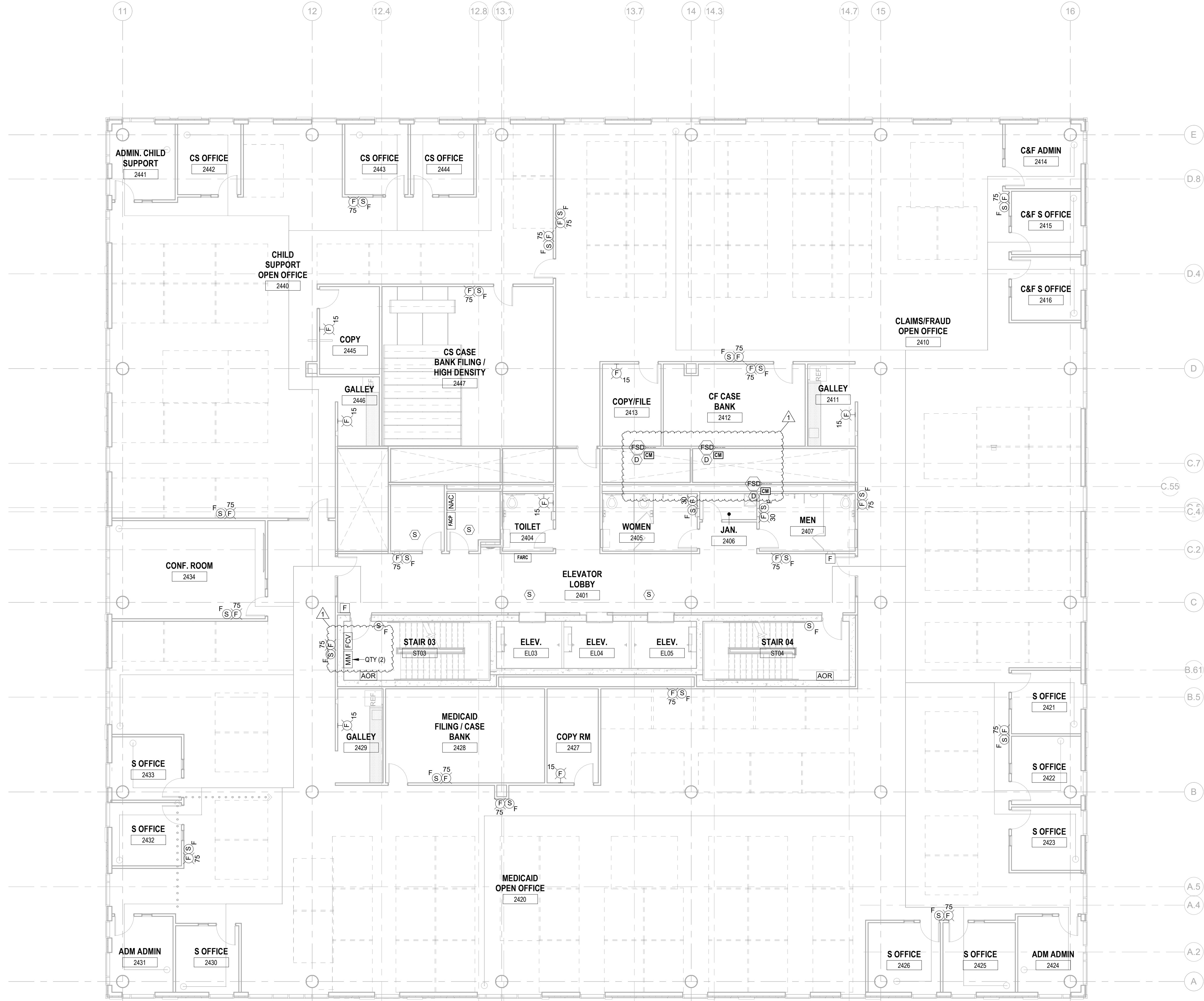
Sheet Name:
 BUILDING NO.2 - LEVEL 3 - FIRE ALARM PLAN

Sheet No:

FA-113

H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010300
NJ Engineering Certificate of Authorization No.: 24GA26019100

JOHN CHRIS MORRIS III, P.E.
ALTERNATE OF THE DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER.
DESIGNED BY: SRF DRAWN BY: SRF CHECKED BY: SGS REVIEWED BY: JCM
PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/WPC
Checked By: JM/SH

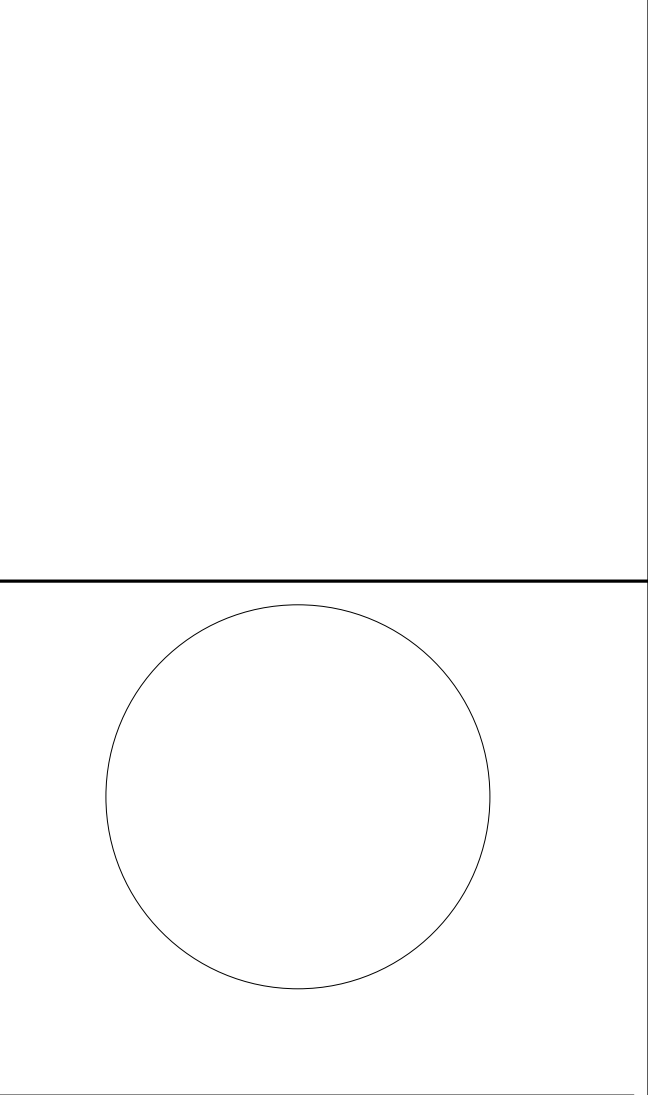
Sheet Name:
BUILDING NO.2 - LEVEL 4 - FIRE ALARM PLAN

Sheet No:

FA-114

1 BUILDING NO.2 - LEVEL 4 - FIRE ALARM PLAN
FA-114 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"

H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 www.h2m.com



JOHN CHRIS MORRIS III, P.E.
ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER...

DESIGNED BY: SRF DRAWN BY: SRF CHECKED BY: SGS REVIEWED BY: JCM
PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN

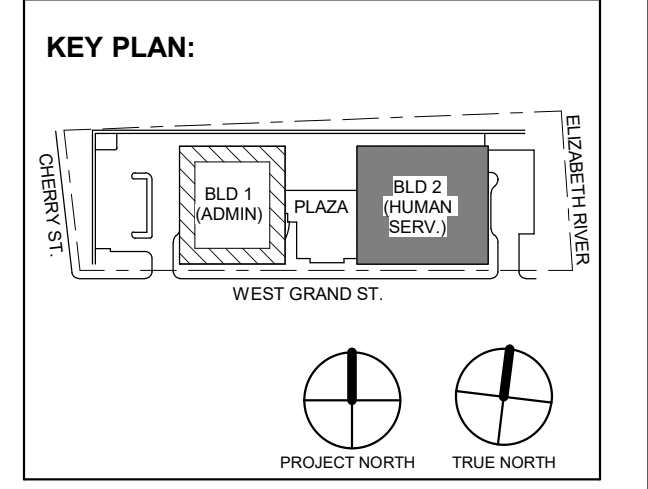
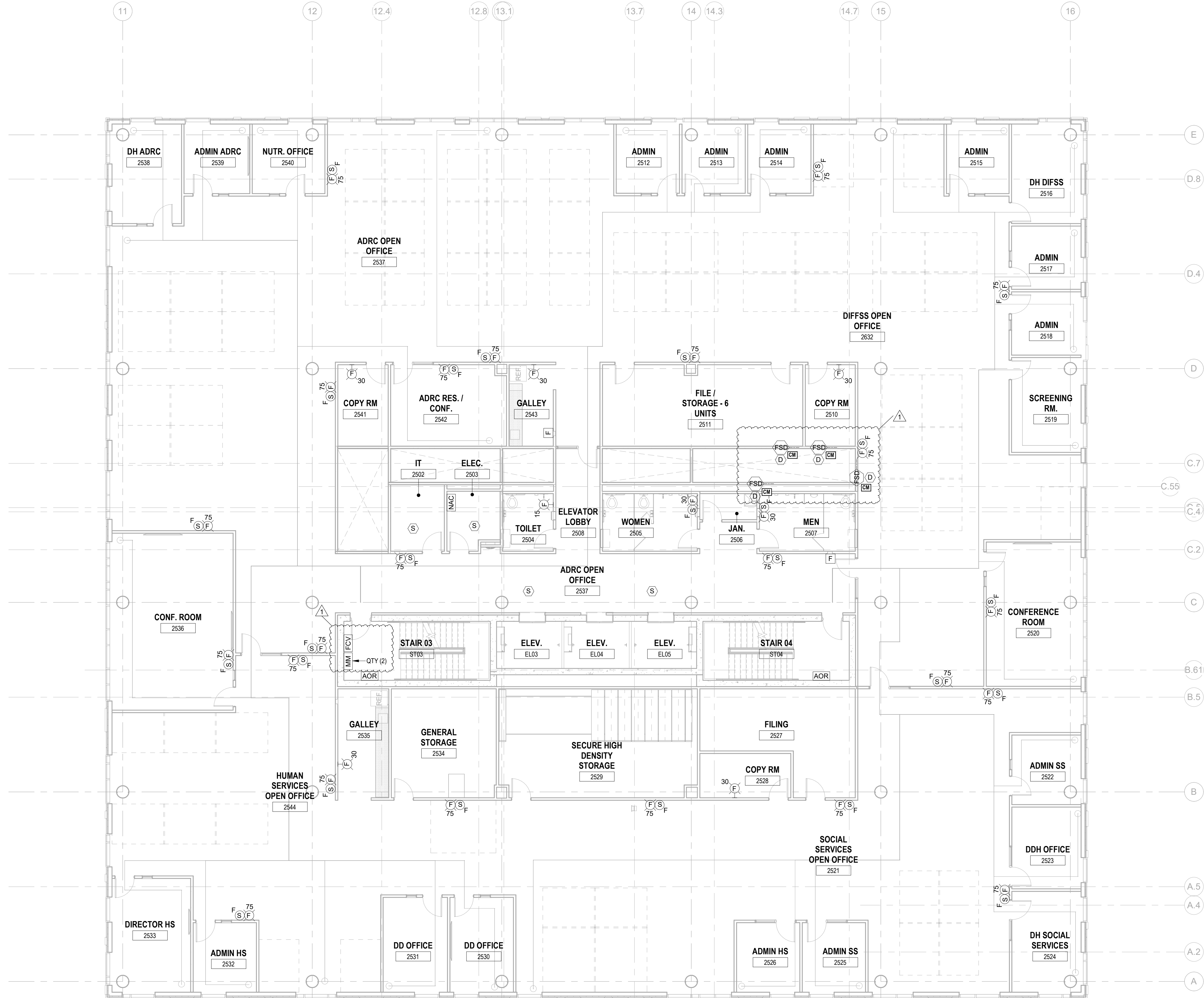


Table with 3 columns: No., Date, Description. Contains revision history for the drawing.

DIGroupArchitecture ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 03827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

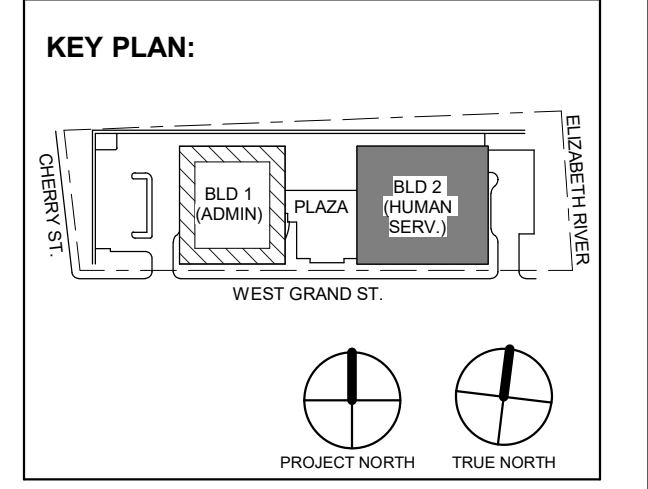
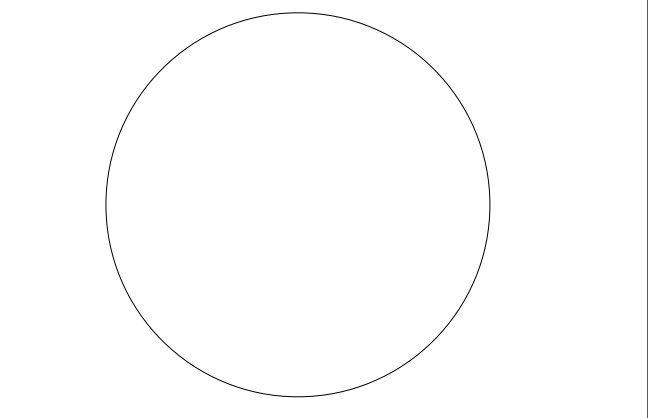
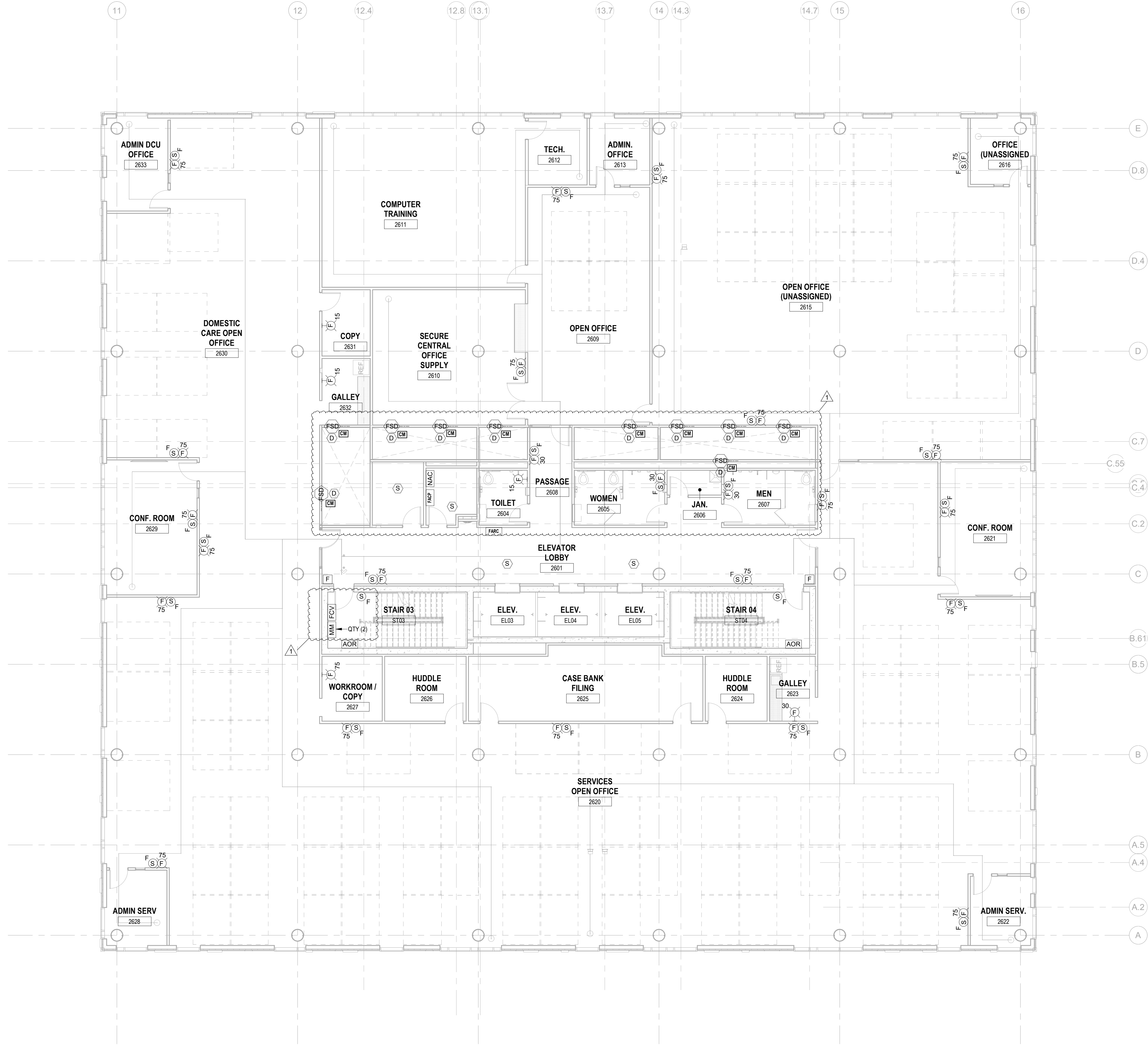
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name: BUILDING NO.2 - LEVEL 5 - FIRE ALARM PLAN

Sheet No:

FA-115

1 BUILDING NO.2 - LEVEL 5 - FIRE ALARM PLAN
FA-115 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"



1 12/01/2023 Addendum No. 01
11/08/2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 03827100

**PRELIMINARY
NOT FOR CONSTRUCTION**

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
**UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202**

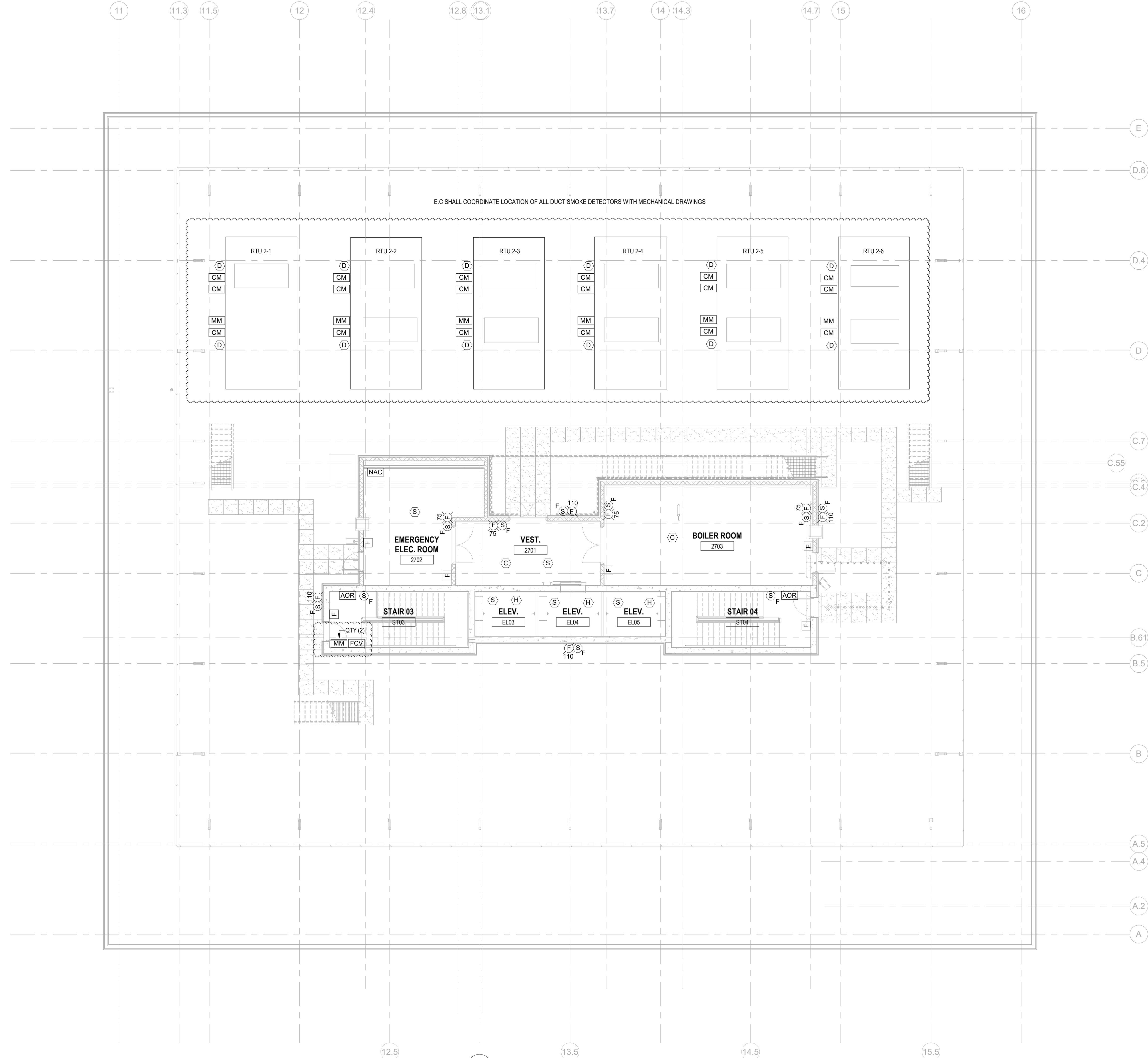
Drawing Information:
Project No: 20.072
Date: 11/08/2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO.2 - LEVEL 6 - FIRE ALARM PLAN

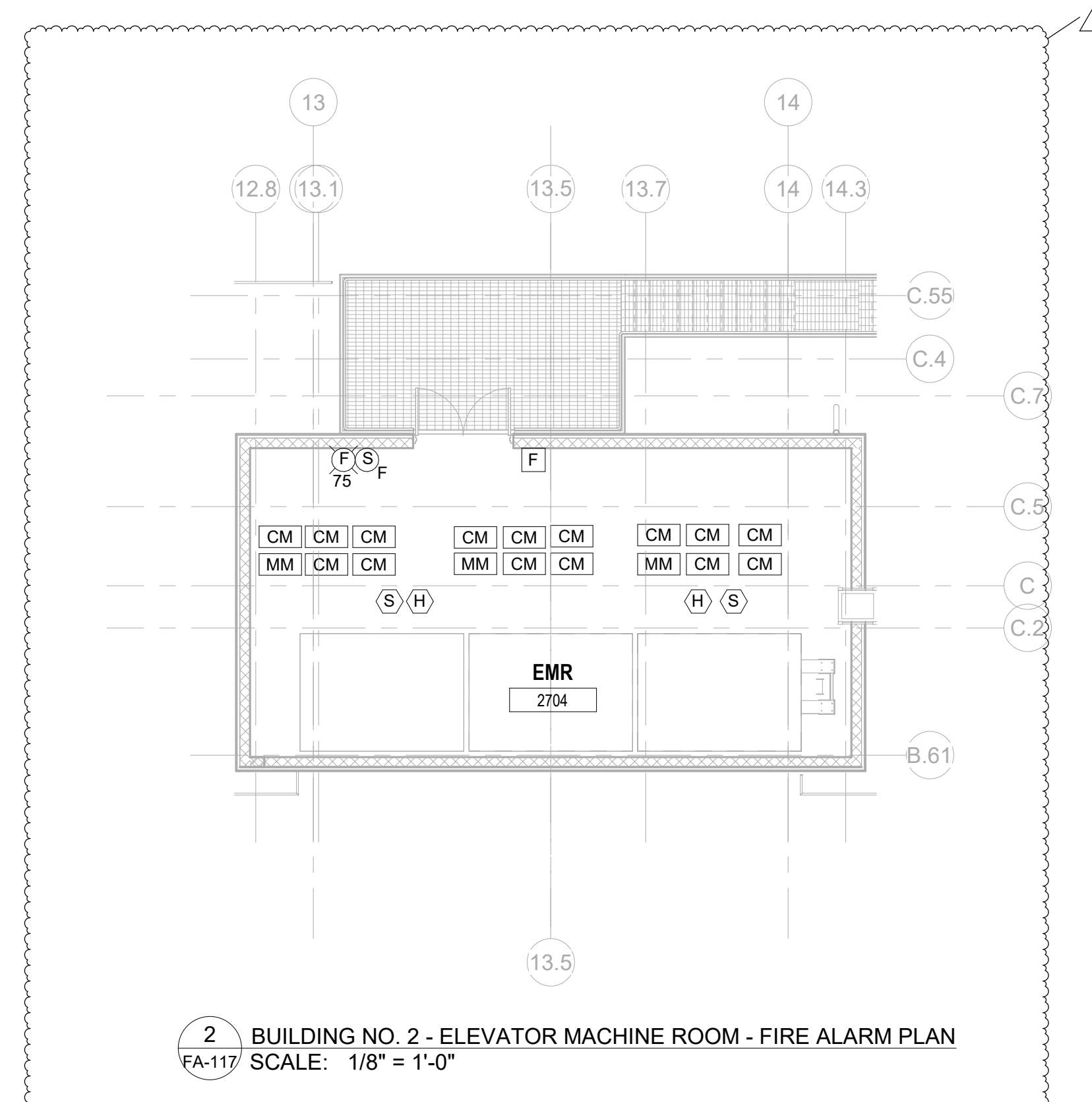
Sheet No:

FA-116

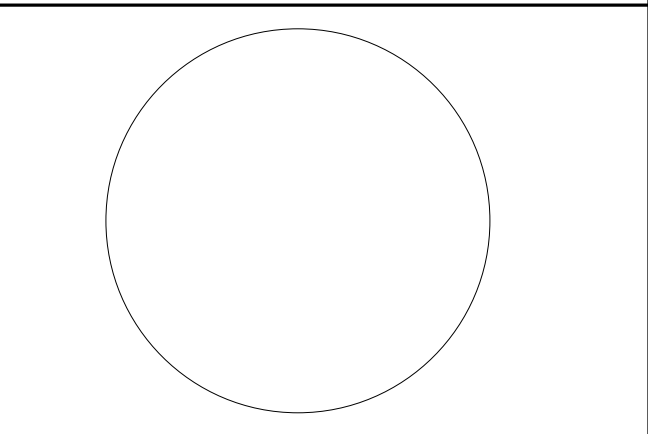
1 BUILDING NO.2 - LEVEL 6 - FIRE ALARM PLAN
FA-116 SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"



1 BUILDING NO.2 - ROOF - FIRE ALARM PLAN FA-117 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"



2 BUILDING NO. 2 - ELEVATOR MACHINE ROOM - FIRE ALARM PLAN FA-117 SCALE: 1/8" = 1'-0"



JOHN CHRIS MORRIS III, P.E. ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER. DESIGN BY: SRF DRAWN BY: SRF CHECKED BY: SGS REVIEWED BY: JCM PROJECT NO: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN

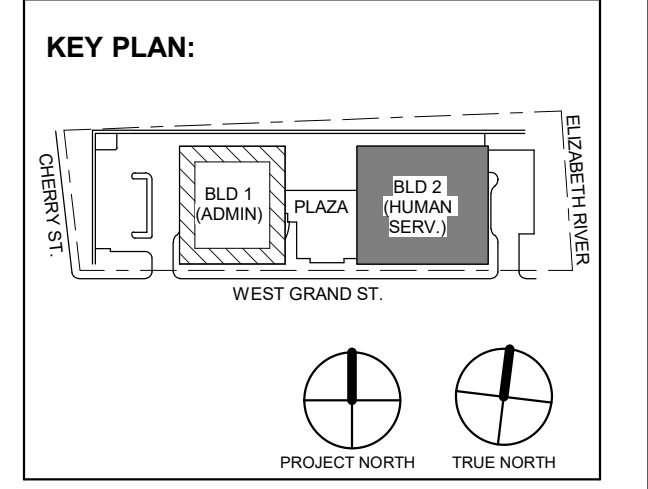


Table with 3 columns: No., Date, Description. Row 1: 1, 12.01.2023, Addendum No. 01. Row 2: 11.08.2023, For Public Bid.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

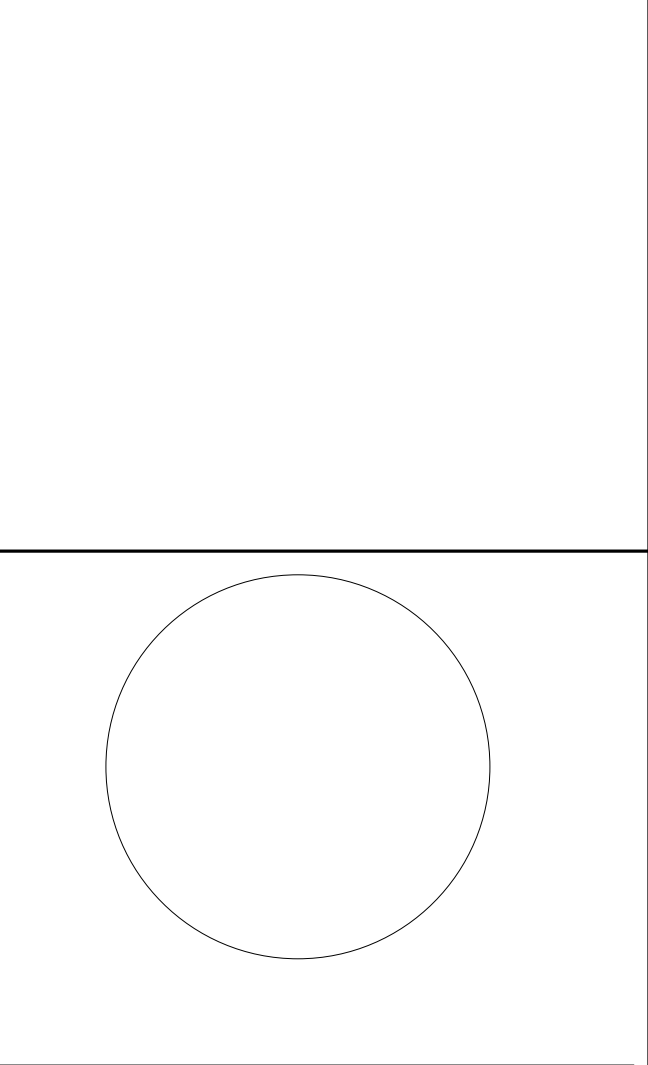
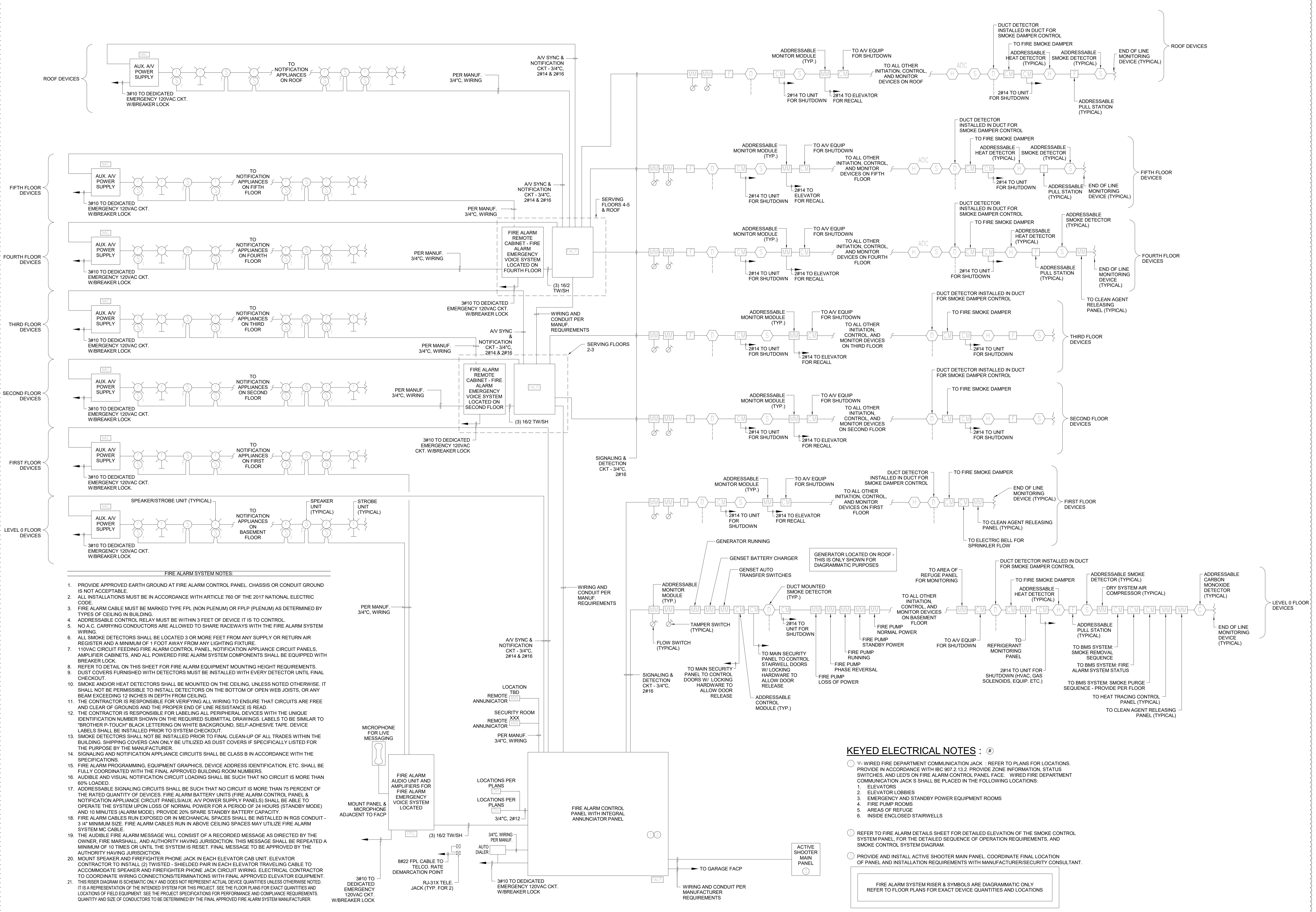
Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

Sheet Name: BUILDING NO.2 - ROOF - FIRE ALARM PLAN

Sheet No:

FA-117



JOHN CHRIS MORRIS III, P.E. LICENSE NO. 1200000010000

Table with project details: Project No. D16A2301, Date: 11/08/2023, Scale: AS SHOWN.

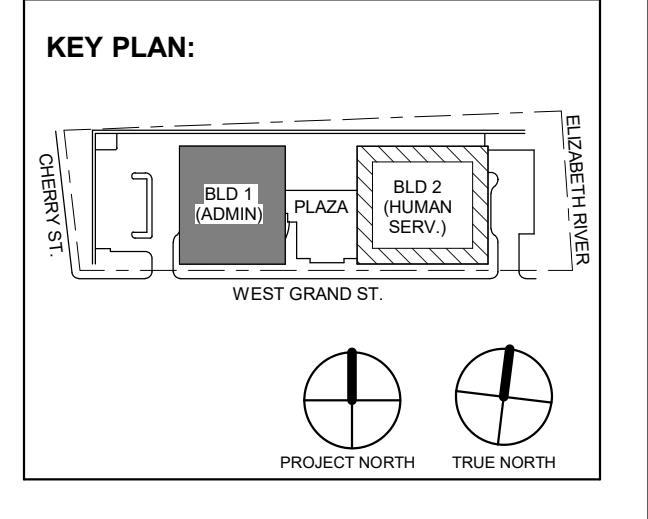


Table with revision history: 1. 12/01/2023 Addendum No. 01, 11/08/2023 For Public Bid.

DIGroupArchitecture ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242

Jeffrey D. Venezia, AIA NJ RA AI 05827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 31 & 33 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SB

Sheet Name: BUILDING NO. 1 FIRE ALARM RISER DIAGRAM

Sheet No: FA-201

FIRE ALARM SYSTEM NOTES:

- 1. PROVIDE APPROVED EARTH GROUND AT FIRE ALARM CONTROL PANEL. CHASSIS OR CONDUIT GROUND IS NOT ACCEPTABLE.
2. ALL INSTALLATIONS MUST BE IN ACCORDANCE WITH ARTICLE 760 OF THE 2017 NATIONAL ELECTRIC CODE.
3. FIRE ALARM CABLE MUST BE MARKED TYPE FPL (NON PLENUM) OR FPLP (PLENUM) AS DETERMINED BY TYPES OF CEILING IN BUILDING.

KEYED ELECTRICAL NOTES :

- 1. WIRED FIRE DEPARTMENT COMMUNICATION JACK : REFER TO PLANS FOR LOCATIONS. PROVIDE IN ACCORDANCE WITH IBC 907.2.13.2. PROVIDE ZONE INFORMATION, STATUS SWITCHES, AND LEDS ON FIRE ALARM CONTROL PANEL FACE. WIRED FIRE DEPARTMENT COMMUNICATION JACKS SHALL BE PLACED IN THE FOLLOWING LOCATIONS:
1. ELEVATORS
2. ELEVATOR LOBBIES
3. EMERGENCY AND STANDBY POWER EQUIPMENT ROOMS
4. FIRE PUMP ROOMS
5. AREAS OF REFUGE
6. INSIDE ENCLOSED STAIRWELLS

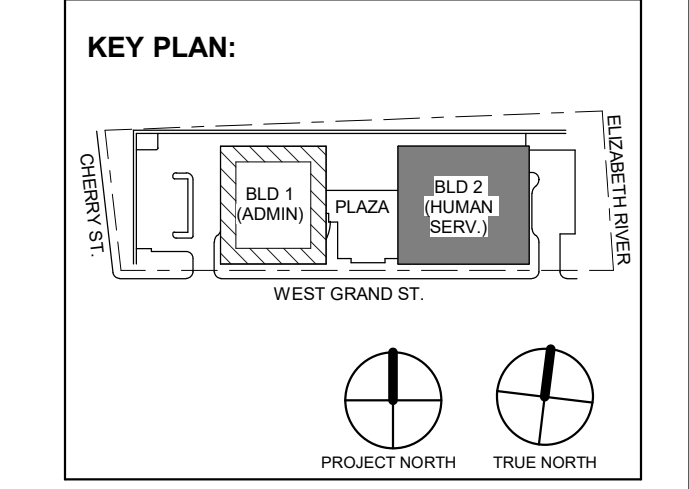
11/21/2023 11:50:49 AM

H2M Associates, Inc. 119 Cherry Hill Road, Suite 110 Parsippany, NJ 07054 862.207.8900 www.h2m.com

NJ Engineering Certificate of Authorization No. 24GA26019100

JOHN CHRIS MORRIS III, P.E.

DESIGNED BY: SRF DRAWN BY: SRF CHECKED BY: JCM PROJECT NO: DGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hurling Park Ave • Philadelphia, PA 19122 • T: 215.634.3000

Jeffrey D. Venezia, AIA NJ RA #A1 00827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

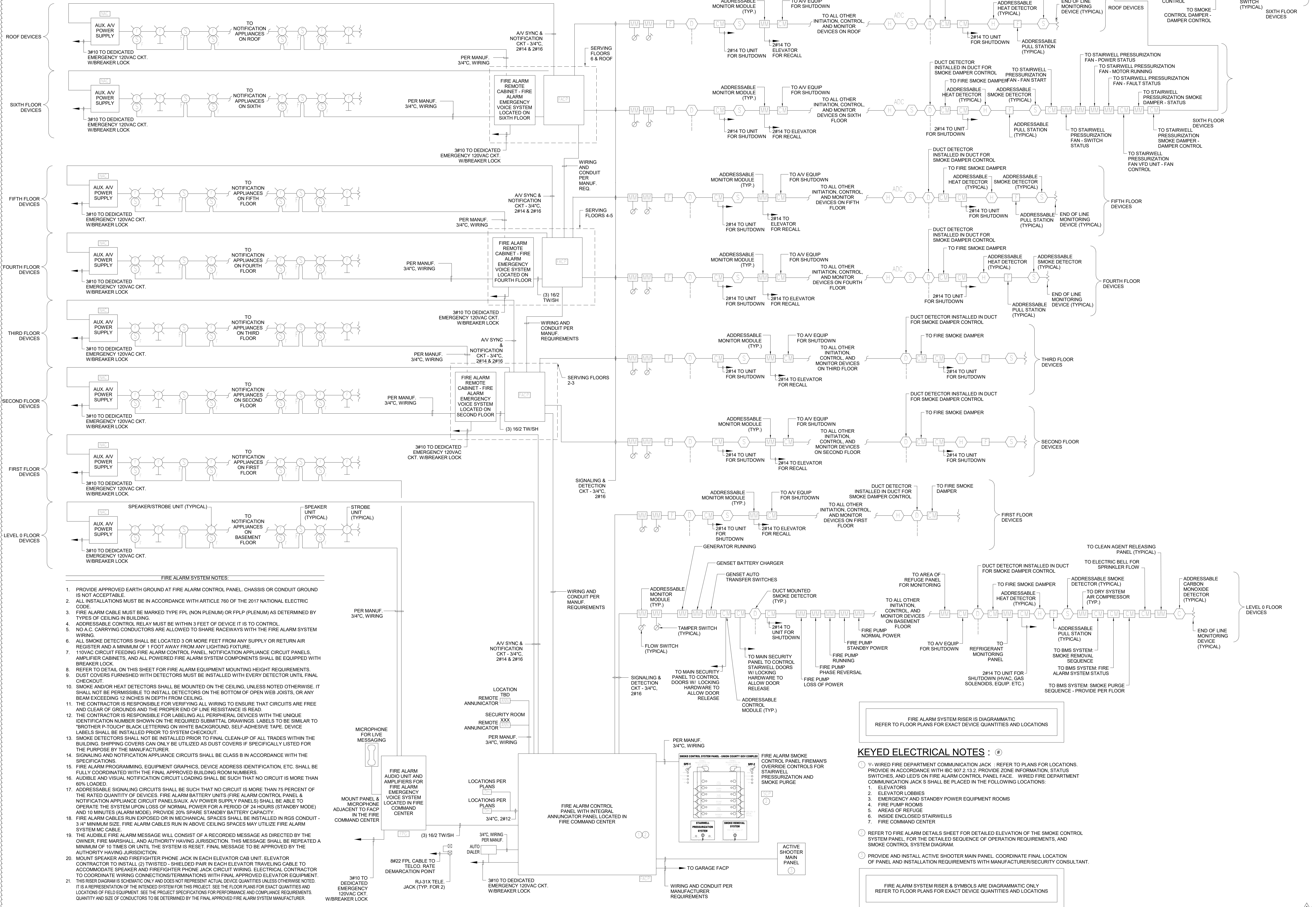
Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 93 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JS/AVPC Checked By: JM/SJ

Sheet No: BUILDING NO. 2 FIRE ALARM RISER DIAGRAM

Sheet No: FA-202



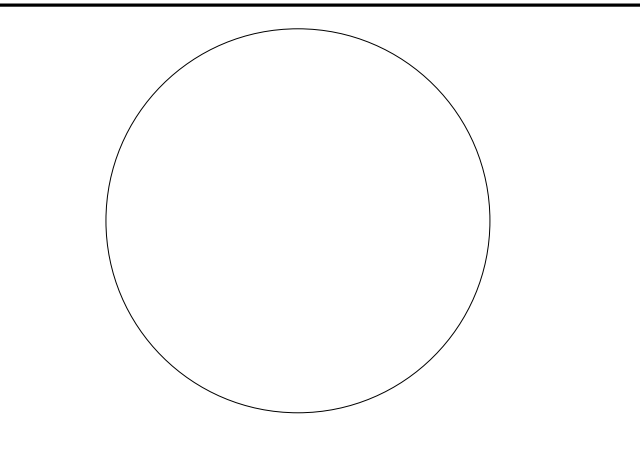
FIRE ALARM SYSTEM NOTES:

1. PROVIDE APPROVED EARTH GROUND AT FIRE ALARM CONTROL PANEL, CHASSIS OR CONDUIT GROUND IS NOT ACCEPTABLE.
2. ALL INSTALLATIONS MUST BE IN ACCORDANCE WITH ARTICLE 760 OF THE 2017 NATIONAL ELECTRIC CODE.
3. FIRE ALARM CABLE MUST BE MARKED TYPE FPL (NON PLENUM) OR FPLP (PLENUM) AS DETERMINED BY TYPES OF CEILING IN RISES.
4. ADDRESSABLE CONTROL RELAY MUST BE WITHIN 3 FEET OF DEVICE IT IS TO CONTROL.
5. NO A.C. CARRYING CONDUCTORS ARE ALLOWED TO SHARE RACEWAYS WITH THE FIRE ALARM SYSTEM WIRING.
6. ALL SMOKE DETECTORS SHALL BE LOCATED 3 OR MORE FEET FROM ANY SUPPLY OR RETURN AIR REGISTER AND A MINIMUM OF 1 FOOT AWAY FROM ANY LIGHTING FIXTURE.
7. 110VAC CIRCUIT FEEDING FIRE ALARM CONTROL PANEL, NOTIFICATION APPLIANCE CIRCUIT PANELS, AMPLIFIER CABINETS, AND ALL POWERED FIRE ALARM SYSTEM COMPONENTS SHALL BE EQUIPPED WITH BREAKER LOCK.
8. REFER TO DETAIL ON THIS SHEET FOR FIRE ALARM EQUIPMENT MOUNTING HEIGHT REQUIREMENTS.
9. DUST COVERS FURNISHED WITH DETECTORS MUST BE INSTALLED WITH EVERY DETECTOR UNTIL FINAL CHECKOUT.
10. SMOKE AND/OR HEAT DETECTORS SHALL BE MOUNTED ON THE CEILING, UNLESS NOTED OTHERWISE, IT SHALL NOT BE PERMISSIBLE TO INSTALL DETECTORS ON THE BOTTOM OF OPEN WEB JOISTS, OR ANY BEAM EXCEEDING 12 INCHES IN DEPTH FROM CEILING.
11. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL WIRING TO ENSURE THAT CIRCUITS ARE FREE AND CLEAR OF GROUNDS AND THE PROPER END OF LINE RESISTANCE IS READ.
12. THE CONTRACTOR IS RESPONSIBLE FOR LABELING ALL PERIPHERAL DEVICES WITH THE UNIQUE IDENTIFICATION NUMBER SHOWN ON THE REQUIRED SUBMITTAL DRAWINGS. LABELS TO BE SIMILAR TO "BROTHER P-TOUCH" BLACK LETTERING ON WHITE BACKGROUND, SELF-ADHESIVE TAPE. DEVICE LABELS SHALL BE INSTALLED PRIOR TO SYSTEM CHECKOUT.
13. SMOKE DETECTORS SHALL NOT BE INSTALLED PRIOR TO FINAL CLEAN-UP OF ALL TRADES WITHIN THE BUILDING. SHIPPING COVERS CAN ONLY BE UTILIZED AS DUST COVERS IF SPECIFICALLY LISTED FOR THE PURPOSE BY THE MANUFACTURER.
14. SIGNALING AND NOTIFICATION APPLIANCE CIRCUITS SHALL BE CLASS B IN ACCORDANCE WITH THE SPECIFICATIONS.
15. FIRE ALARM PROGRAMMING, EQUIPMENT GRAPHICS, DEVICE ADDRESS IDENTIFICATION, ETC. SHALL BE FULLY COORDINATED WITH THE FINAL APPROVED BUILDING ROOM NUMBERS.
16. AUDIBLE AND VISUAL NOTIFICATION CIRCUIT LOADING SHALL BE SUCH THAT NO CIRCUIT IS MORE THAN 60% LOADED.
17. ADDRESSABLE SIGNALING DEVICES SHALL BE SUCH THAT NO CIRCUIT IS MORE THAN 75 PERCENT OF THE RATED QUANTITY OF DEVICES. FIRE ALARM BATTERY UNITS (FIRE ALARM CONTROL PANEL & NOTIFICATION APPLIANCE CIRCUIT PANELS/AUX. AV POWER SUPPLY PANELS) SHALL BE ABLE TO OPERATE THE SYSTEM UPON LOSS OF NORMAL POWER FOR A PERIOD OF 24 HOURS (STANDBY MODE) AND 10 MINUTES (ALARM MODE). PROVIDE 20% SPARE STANDBY BATTERY CAPACITY.
18. FIRE ALARM CABLES RUN EXPOSED OR IN MECHANICAL SPACES SHALL BE INSTALLED IN RGS CONDUIT - 3/4" MINIMUM SIZE. FIRE ALARM CABLES RUN IN ABOVE CEILING SPACES MAY UTILIZE FIRE ALARM SYSTEM MC CABLE.
19. THE AUDIBLE FIRE ALARM MESSAGE WILL CONSIST OF A RECORDED MESSAGE AS DIRECTED BY THE OWNER, FIRE MARSHALL, AND AUTHORITY HAVING JURISDICTION. THIS MESSAGE SHALL BE REPEATED A MINIMUM OF 10 TIMES OR UNTIL THE SYSTEM IS RESET. FINAL MESSAGE TO BE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
20. MOUNT SPEAKER AND FIREFIGHTER PHONE JACK IN EACH ELEVATOR CAB UNIT. ELEVATOR CONTRACTOR TO INSTALL (2) TWISTED, SHIELDED PAIR IN EACH ELEVATOR TRAVELING CABLE TO ACCOMMODATE SPEAKER AND FIREFIGHTER PHONE JACK CIRCUIT WIRING. ELECTRICAL CONTRACTOR TO COORDINATE WIRING CONNECTIONS/TERMINATIONS WITH FINAL APPROVED ELEVATOR EQUIPMENT.
21. THIS RISER DIAGRAM IS SCHEMATIC ONLY AND DOES NOT REPRESENT ACTUAL DEVICE QUANTITIES UNLESS OTHERWISE NOTED. IT IS A REPRESENTATION OF THE WIRING SYSTEM FOR THIS PROJECT. SEE THE FLOOR PLANS FOR EXACT QUANTITIES AND LOCATIONS OF FIELD EQUIPMENT. SEE THE PROJECT SPECIFICATIONS FOR PERFORMANCE AND COMPLIANCE REQUIREMENTS. QUANTITY AND SIZE OF CONDUCTORS TO BE DETERMINED BY THE FINAL APPROVED FIRE ALARM SYSTEM MANUFACTURER.

KEYED ELECTRICAL NOTES:

1. WIRING FIRE DEPARTMENT COMMUNICATION JACK - REFER TO PLANS FOR LOCATIONS. PROVIDE IN ACCORDANCE WITH BC 907.2.13.2. PROVIDE ZONE INFORMATION, STATUS SWITCHES, AND LED'S ON FIRE ALARM CONTROL PANEL FACE. WIRING FIRE DEPARTMENT COMMUNICATION JACK'S SHALL BE PLACED IN THE FOLLOWING LOCATIONS:
 1. ELEVATORS
 2. ELEVATOR LOBBIES
 3. EMERGENCY AND STANDBY POWER EQUIPMENT ROOMS
 4. FIRE PUMP ROOMS
 5. AREAS OF REFUGE
 6. INSIDE ENCLOSED STAIRWELLS
 7. FIRE COMMAND CENTER
2. REFER TO FIRE ALARM DETAILS SHEET FOR DETAILED ELEVATION OF THE SMOKE CONTROL SYSTEM PANEL, FOR THE DETAILED SEQUENCE OF OPERATION REQUIREMENTS, AND SMOKE CONTROL SYSTEM DIAGRAM.
3. PROVIDE AND INSTALL ACTIVE SHOOTER MAIN PANEL. COORDINATE FINAL LOCATION OF PANEL AND INSTALLATION REQUIREMENTS WITH MANUFACTURER/SECURITY CONSULTANT. FIRE ALARM SYSTEM RISER & SYMBOLS ARE DIAGRAMMATIC ONLY REFER TO FLOOR PLANS FOR EXACT DEVICE QUANTITIES AND LOCATIONS

C:\Users\vaasana\Documents\DIGA2301_Central13_EZ_unalger\FA202.rvt

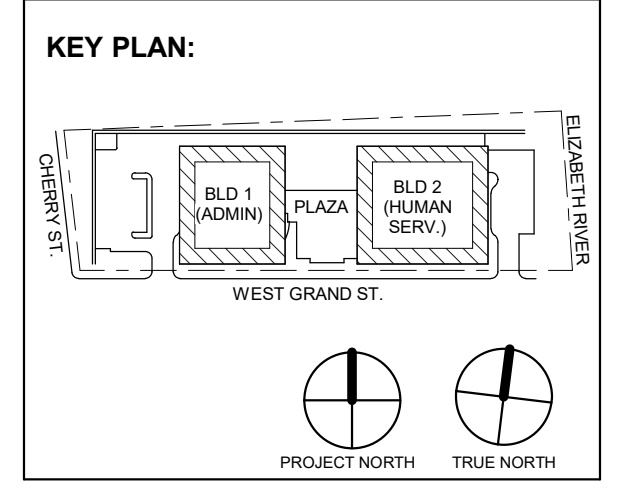


JONATHAN R. MURATORE, P.E. PROFESSIONAL ENGINEER IN MECHANICAL

ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT.

DESIGNED BY: CRG DRAWN BY: CRG CHECKED BY: JRM REVIEWED BY: JRM

PROJECT No: DIGA2301 DATE: 12.01.2023 SCALE: AS SHOWN



Revision table with columns: No., Date, Description, Revisions / Issues

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hurting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 05827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JB/AV/PC Checked By: JM/SH

Sheet Name: PLUMBING LEAD SHEET

Sheet No: P-001

P-001

ABBREVIATIONS table with columns for symbol, description, and unit.

LINE DESIGNATIONS table with columns for line style, description, and unit.

PLUMBING SYMBOLS table with columns for symbol, description, and unit.

GENERAL SPECIFICATIONS table with numbered paragraphs detailing plumbing requirements.

SANITARY AND STORM SPECIFICATIONS table with numbered paragraphs detailing sanitary and storm system requirements.

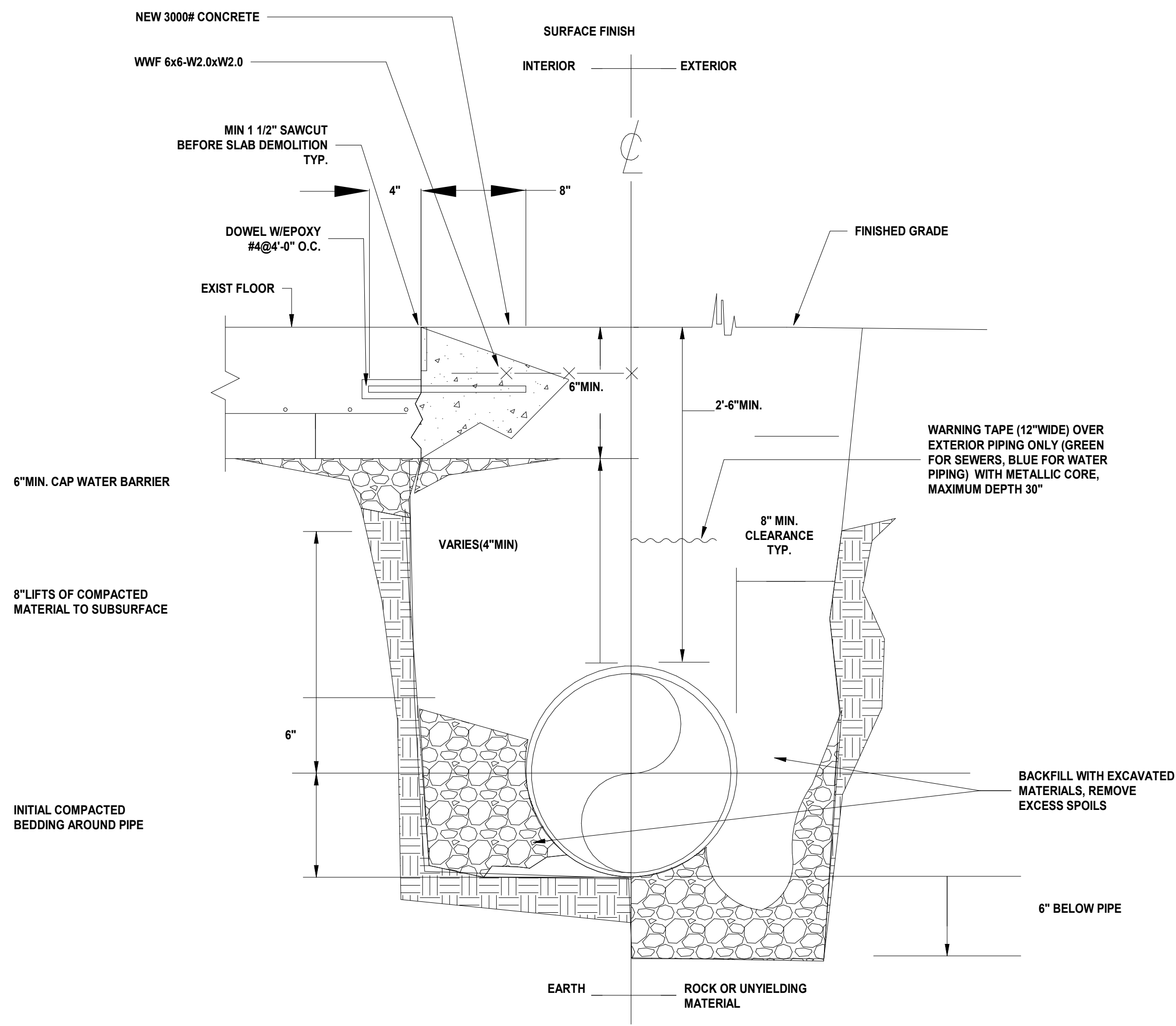
MISC. DWG. SYMBOLS table with columns for symbol, description, and unit.

DOMESTIC WATER SPECIFICATIONS table with numbered paragraphs detailing domestic water system requirements.

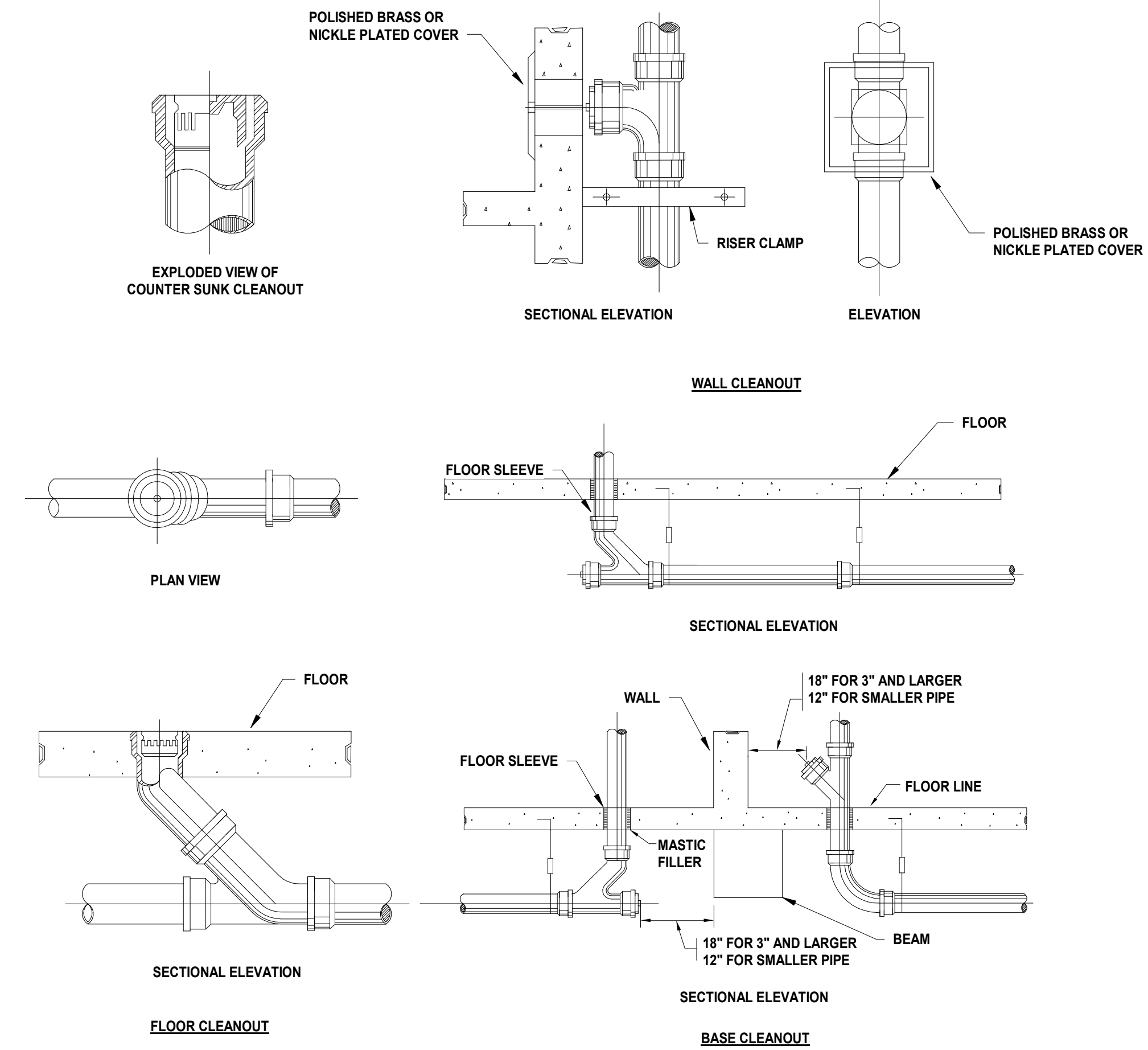
HANGERS AND SUPPORTS table with numbered paragraphs detailing hanger and support requirements.

GENERAL NOTES table with numbered paragraphs detailing general construction and coordination notes.

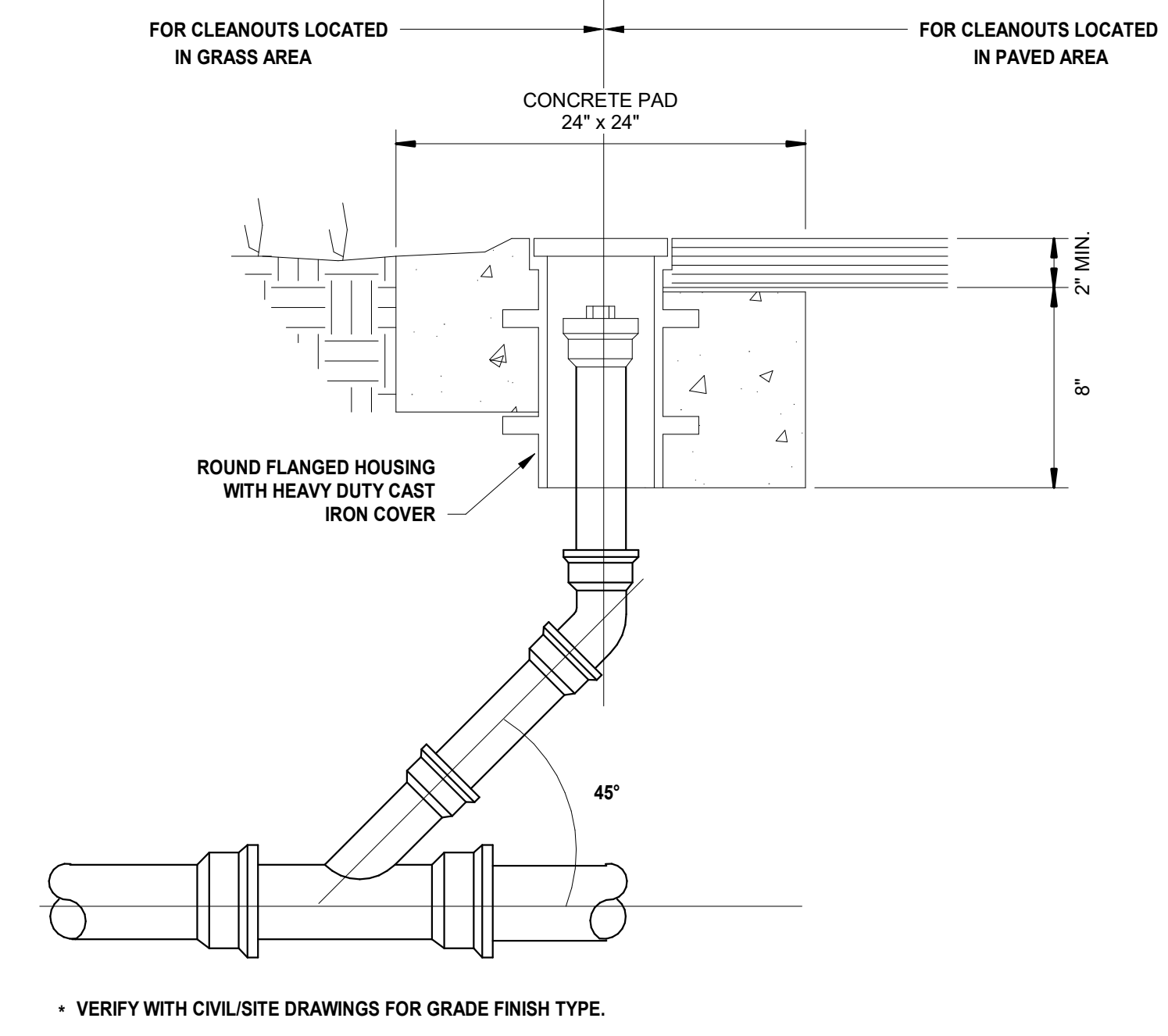
SCOPE OF WORK INFORMATION table with sections for scope of work information and systems to be installed.



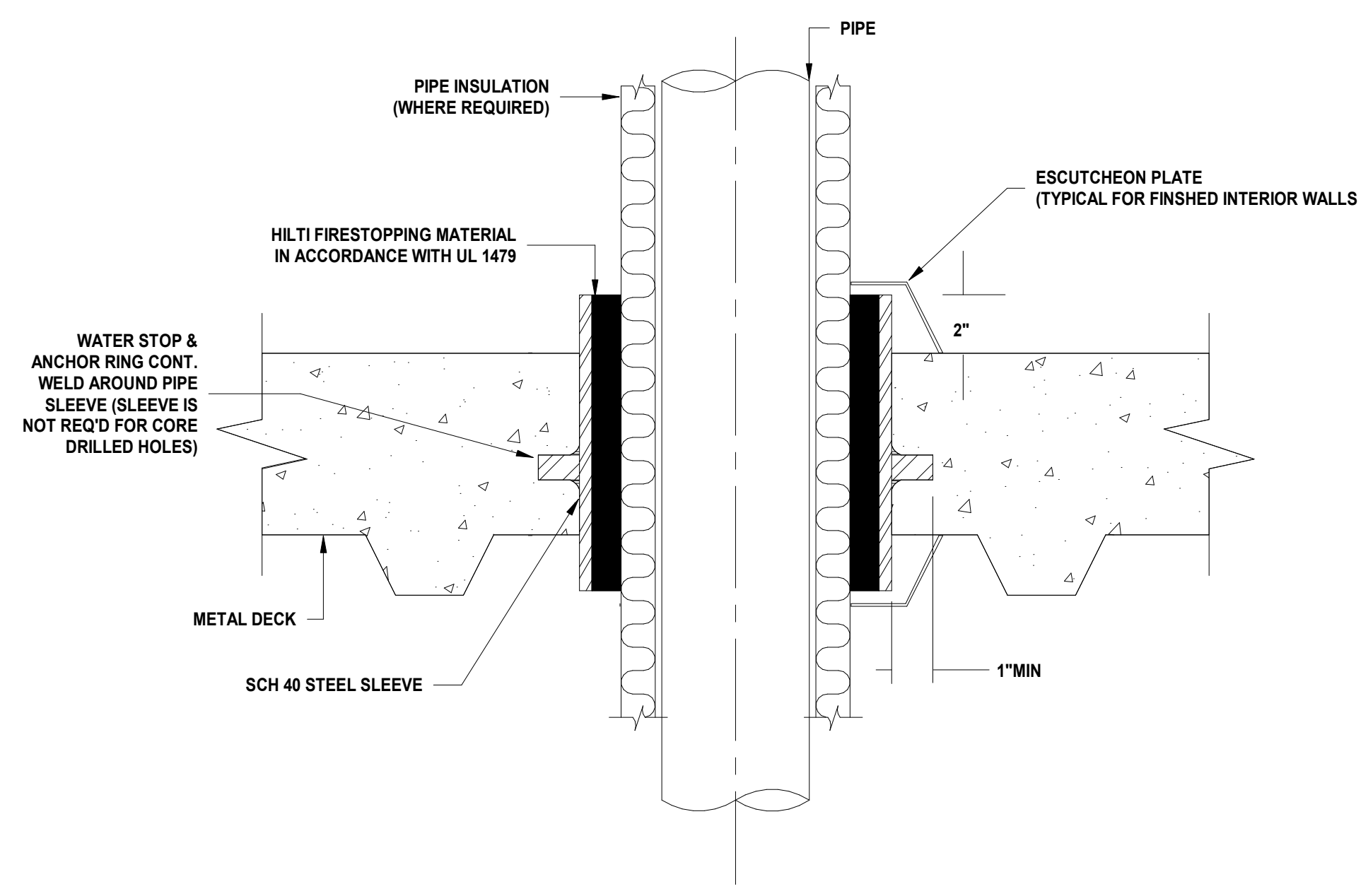
1 BELOW GRADE PIPE INSTALLATION P-002 SCALE: N.T.S.



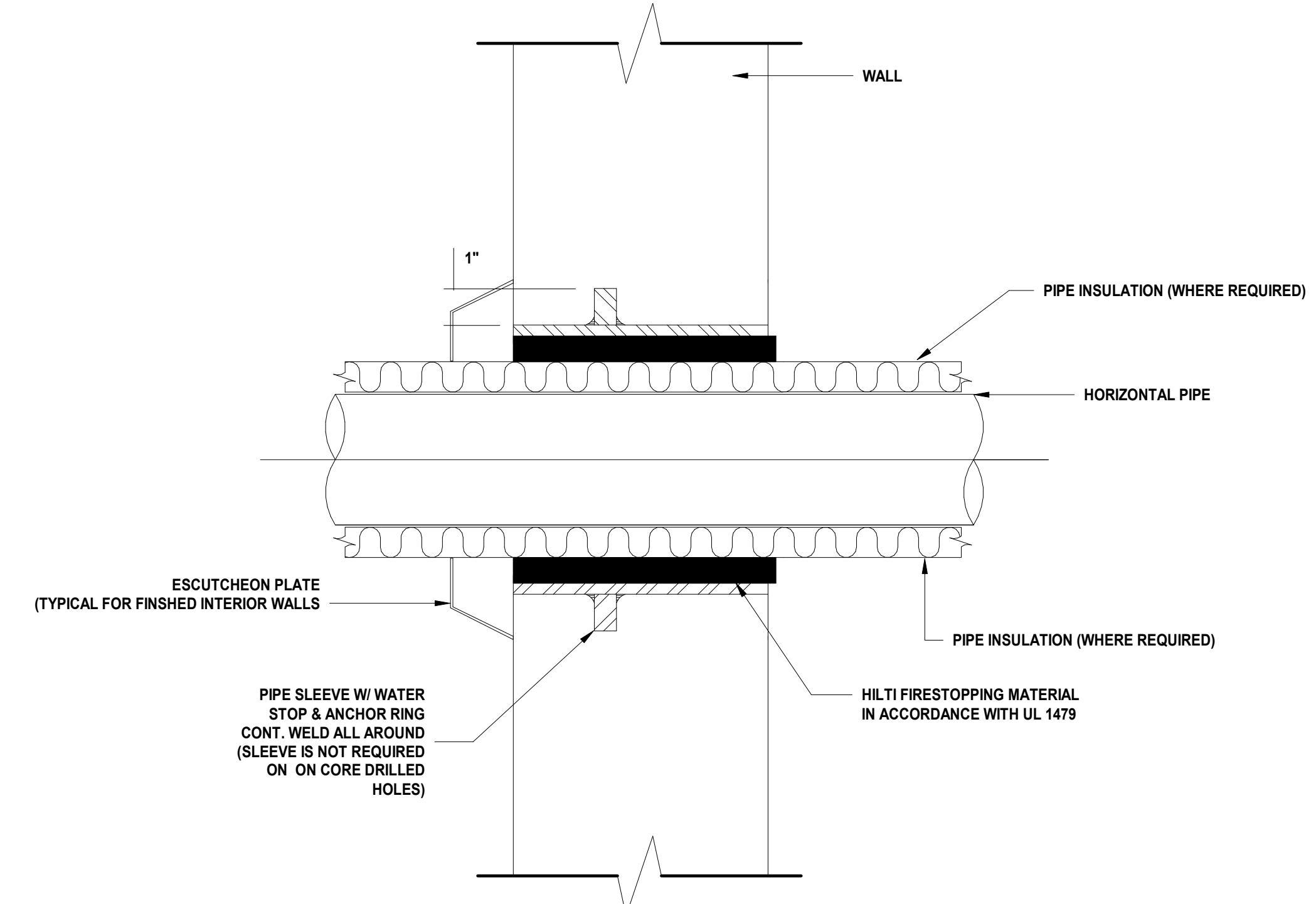
2 FLOOR, WALL AND BASE CLEAN-OUT P-002 SCALE: N.T.S.



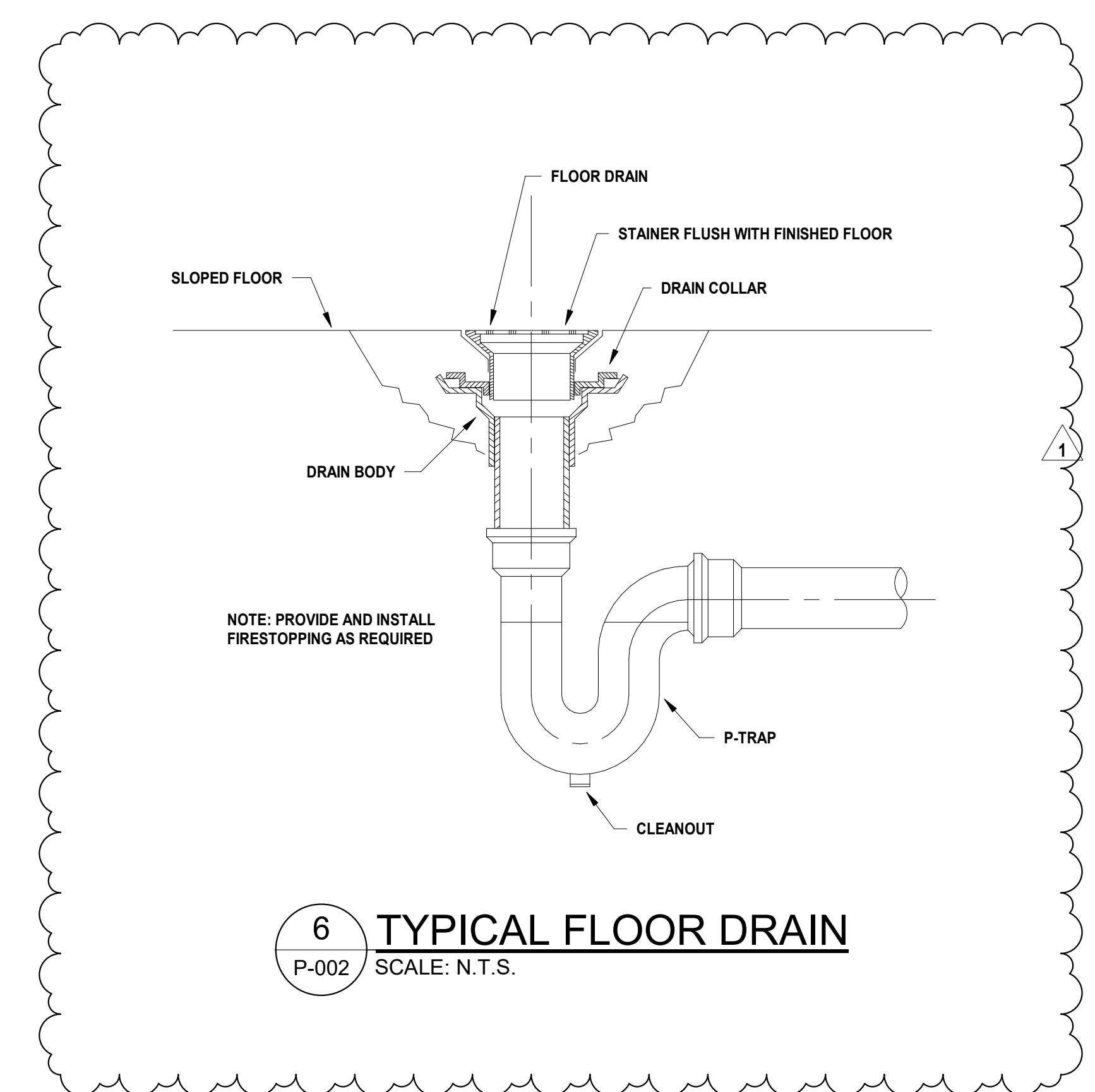
3 CLEANOUT AT GRADE DETAIL P-002 SCALE: N.T.S.



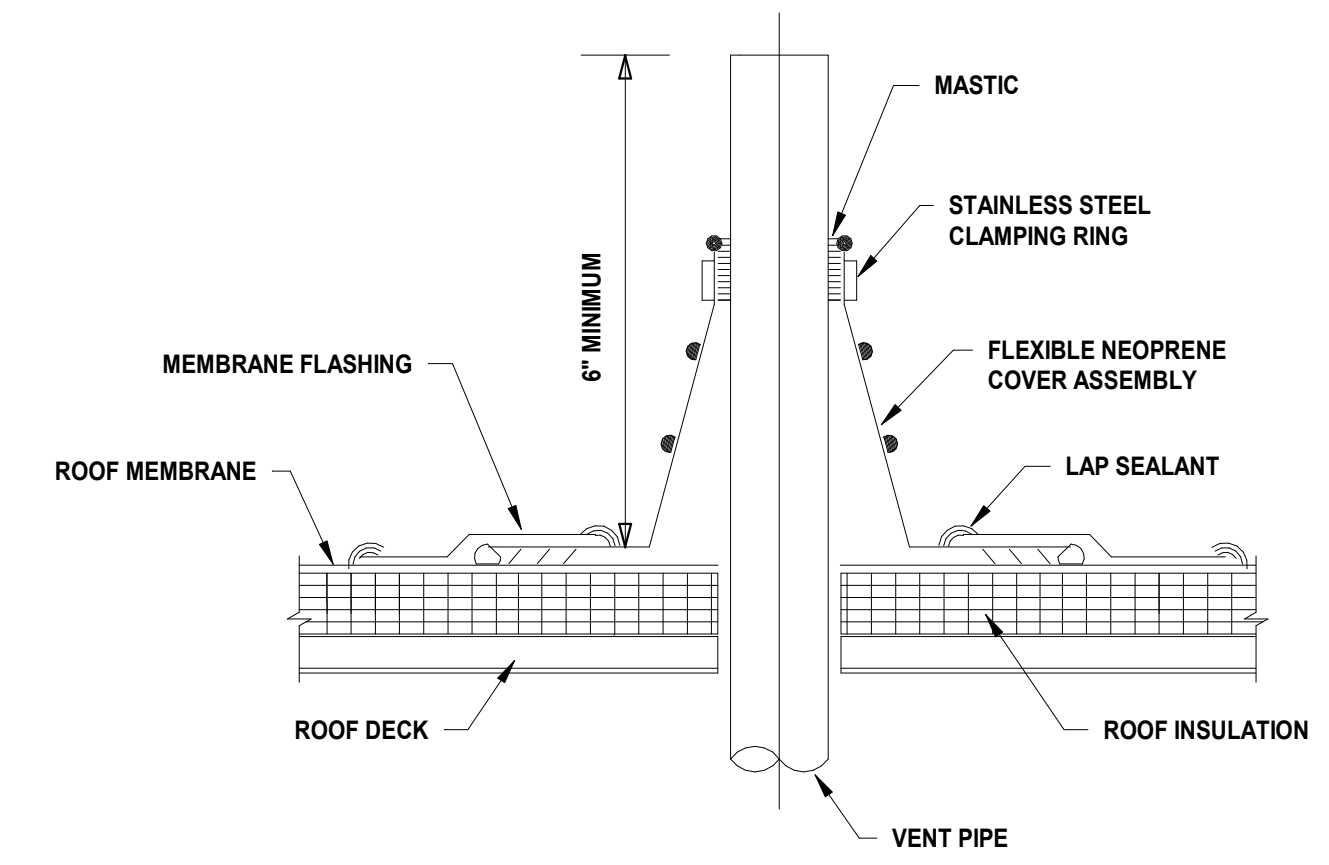
4 VERTICAL PIPE SLEEVE P-002 SCALE: N.T.S.



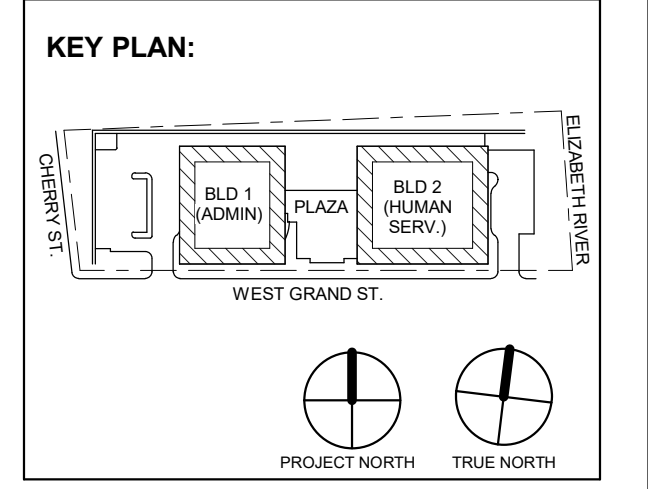
5 HORIZONTAL PIPE SLEEVE P-002 SCALE: N.T.S.



6 TYPICAL FLOOR DRAIN P-002 SCALE: N.T.S.



7 VENT THROUGH ROOF P-002 SCALE: N.T.S.



Revision table with columns for No., Date, Description, and Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA N.J. RA AI 05827100

PRELIMINARY NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

Sheet Name: PLUMBING DETAILS

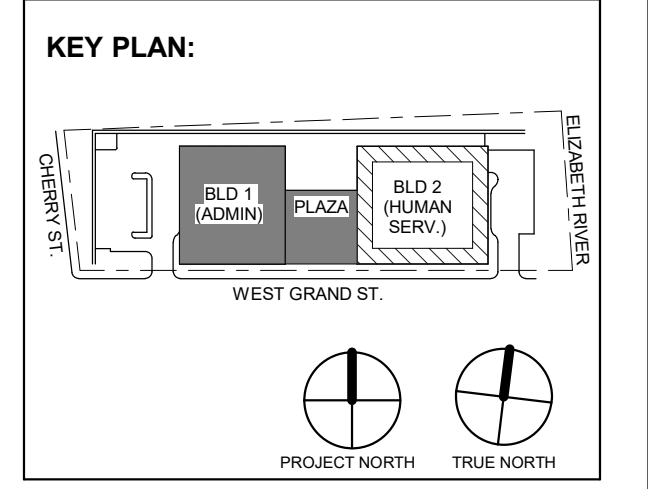
Sheet No:

P-002

H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010300
NJ Engineering Certificate of Authorization No.: 24GA26019100

JONATHAN R. MURATORE, P.E.
NJ PROFESSIONAL ENGINEER No. 348880007

DESIGNED BY	CRG	CRG	JRM	JRM	
DRAWN BY					
CHECKED BY					
REVIEWED BY					
PROJECT No.	DIGA2301	DATE	12.01.2023	SCALE	AS SHOWN



No.	Date	Description
1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid
Revisions / Issues		

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 03627100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

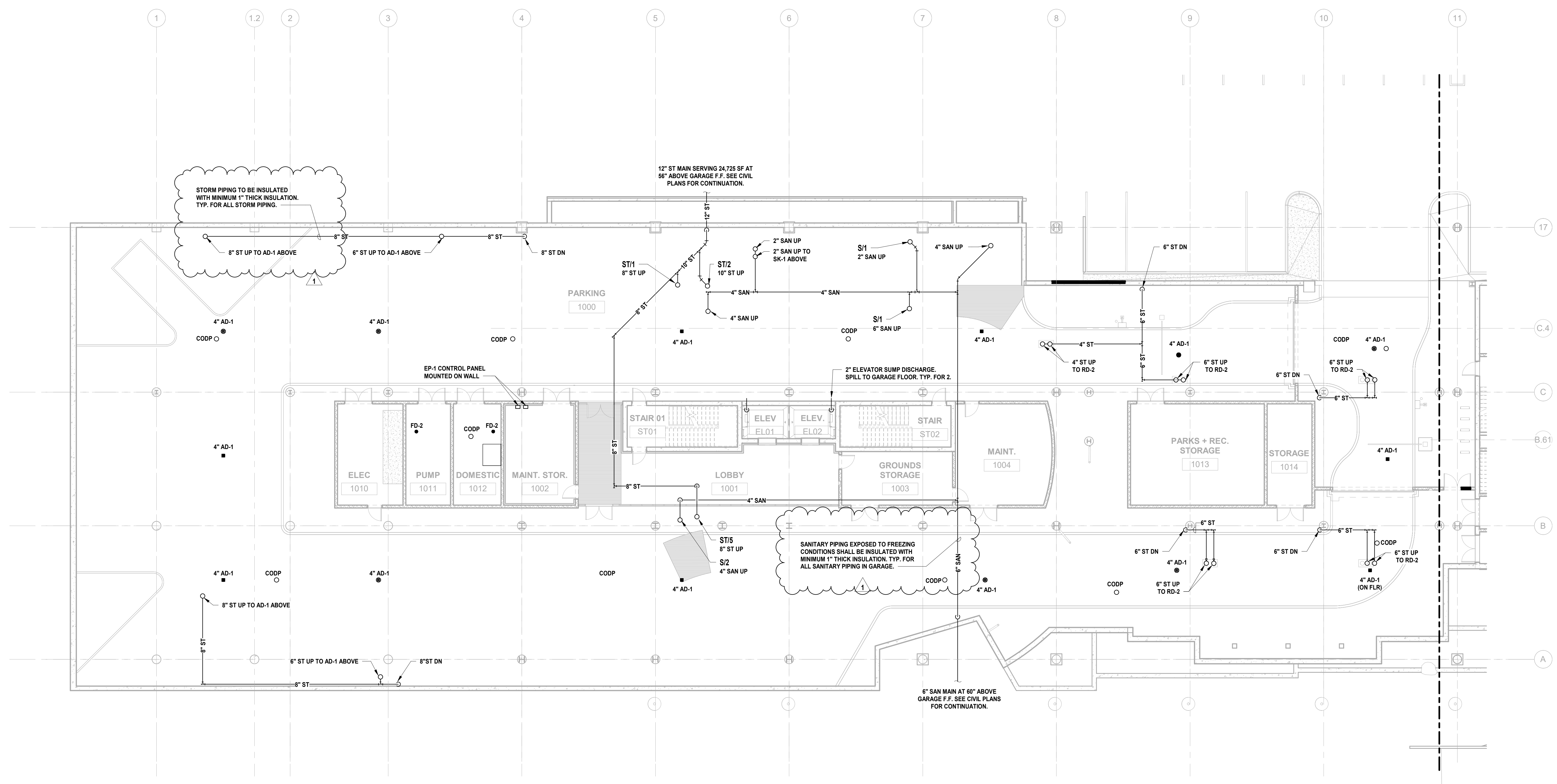
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No.: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - LEVEL 0 - SANITARY & STORM PLAN

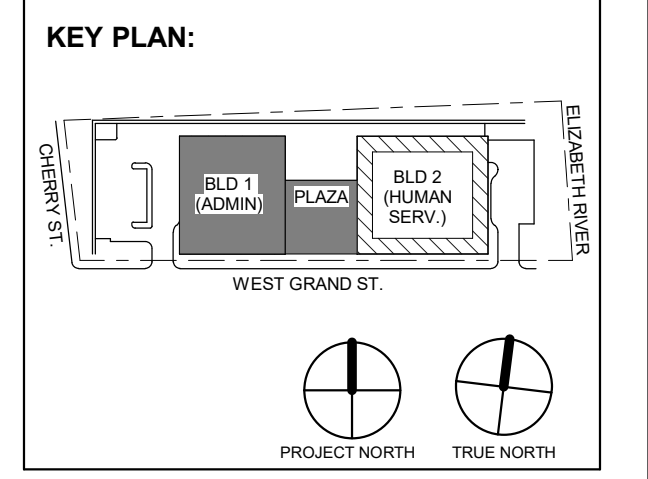
Sheet No.:

P-101



1 BUILDING NO. 1 - LEVEL 0 - SANITARY & STORM
P-101 SCALE: 3/32" = 1'-0"





1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

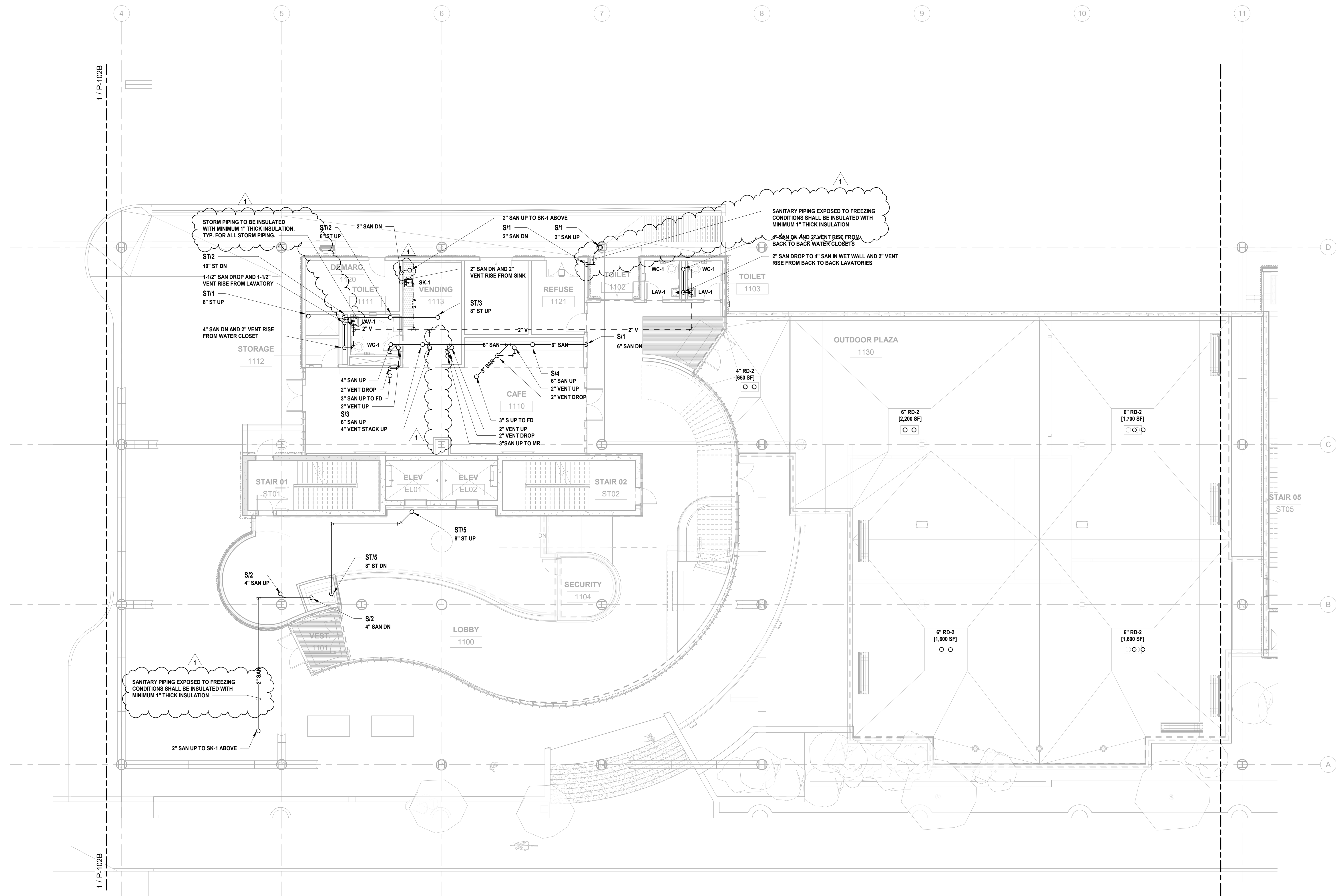
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JMSH

Sheet Name:
BUILDING NO. 1 - LEVEL 1 - SANITARY & STORM PLAN

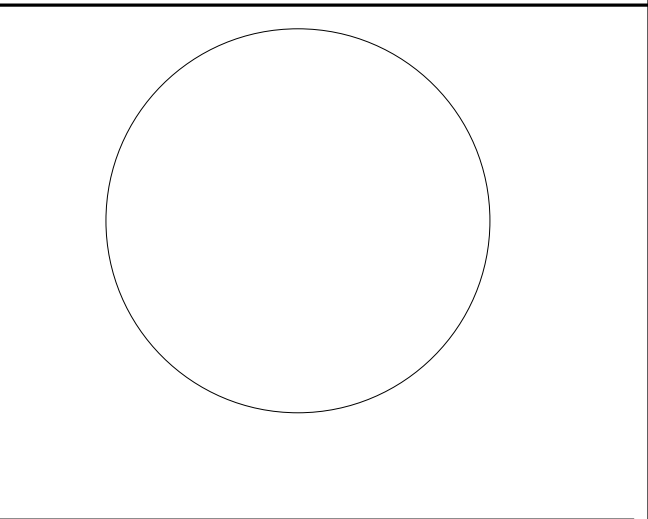
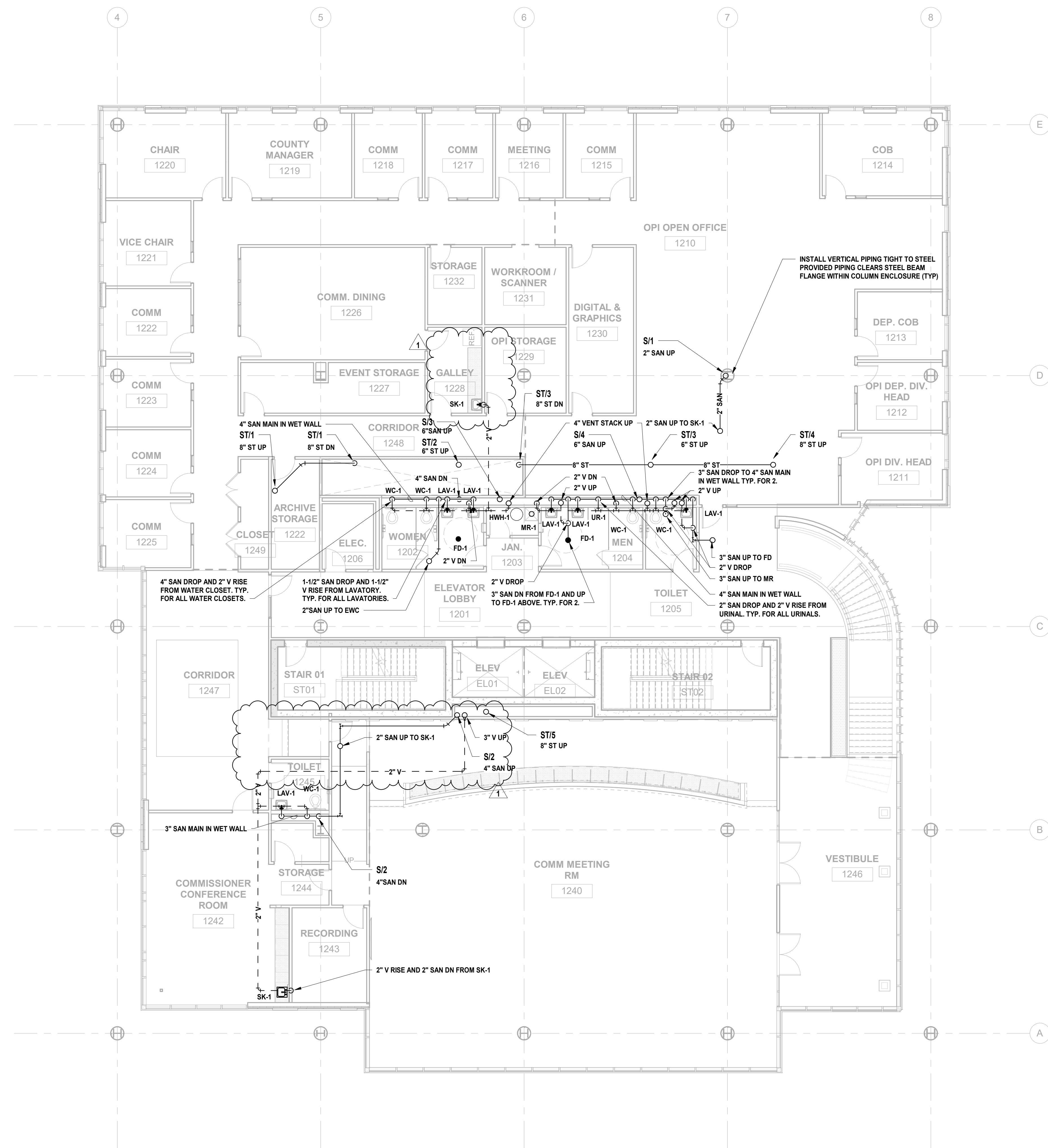
Sheet No:

P-102A



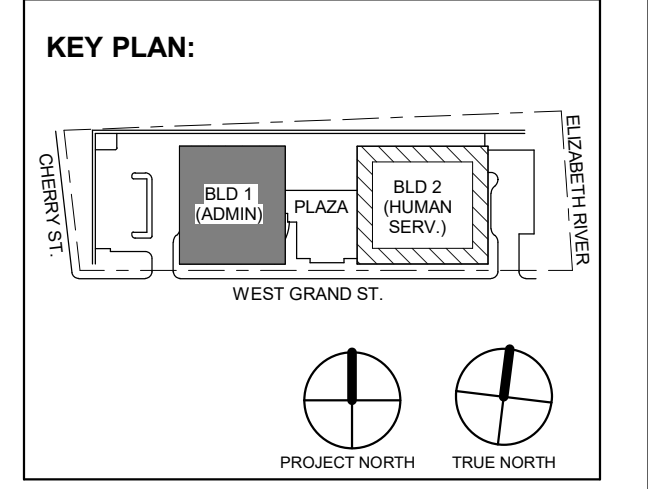
1 BUILDING NO. 1 - LEVEL 1 - SANITARY & STORM
P-102A SCALE: 1/8" = 1'-0"





JONATHAN R. MURATORE, P.E.
ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT IS PROHIBITED.
DESIGNED BY: (DRAWN BY: CHECKED BY: REVIEWED BY:)

CRG	CRG	JRM	JRM
PROJECT No: DIGA2301	DATE: 12.01.2023	SCALE: AS SHOWN	



No.	Date	Description
1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

**PRELIMINARY
NOT FOR CONSTRUCTION**

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
**UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202**

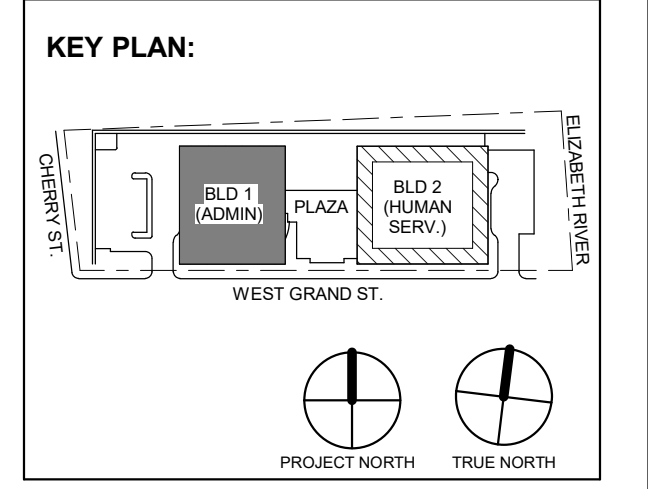
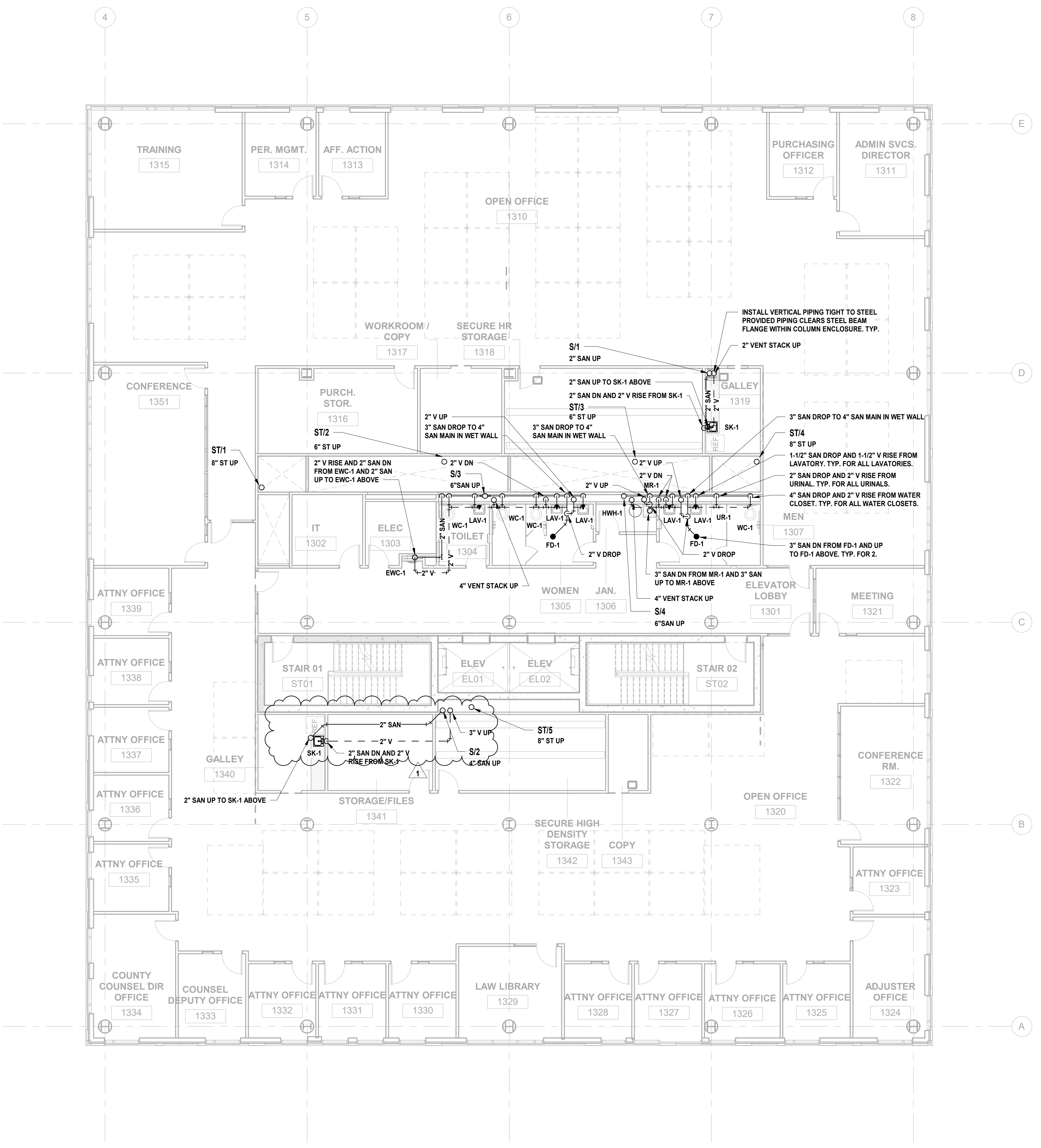
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - LEVEL 2 - SANITARY & STORM PLAN

Sheet No:
P-103

1 BUILDING NO. 1 - LEVEL 2 - SANITARY & STORM
P-103 SCALE: 1/8" = 1'-0"





1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 03827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

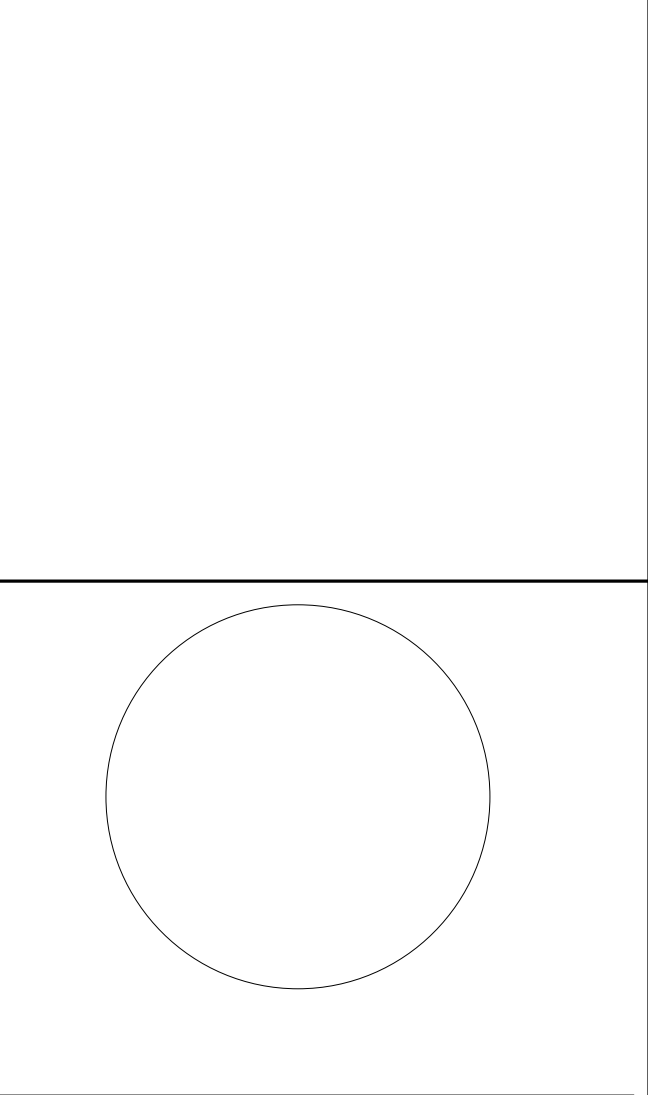
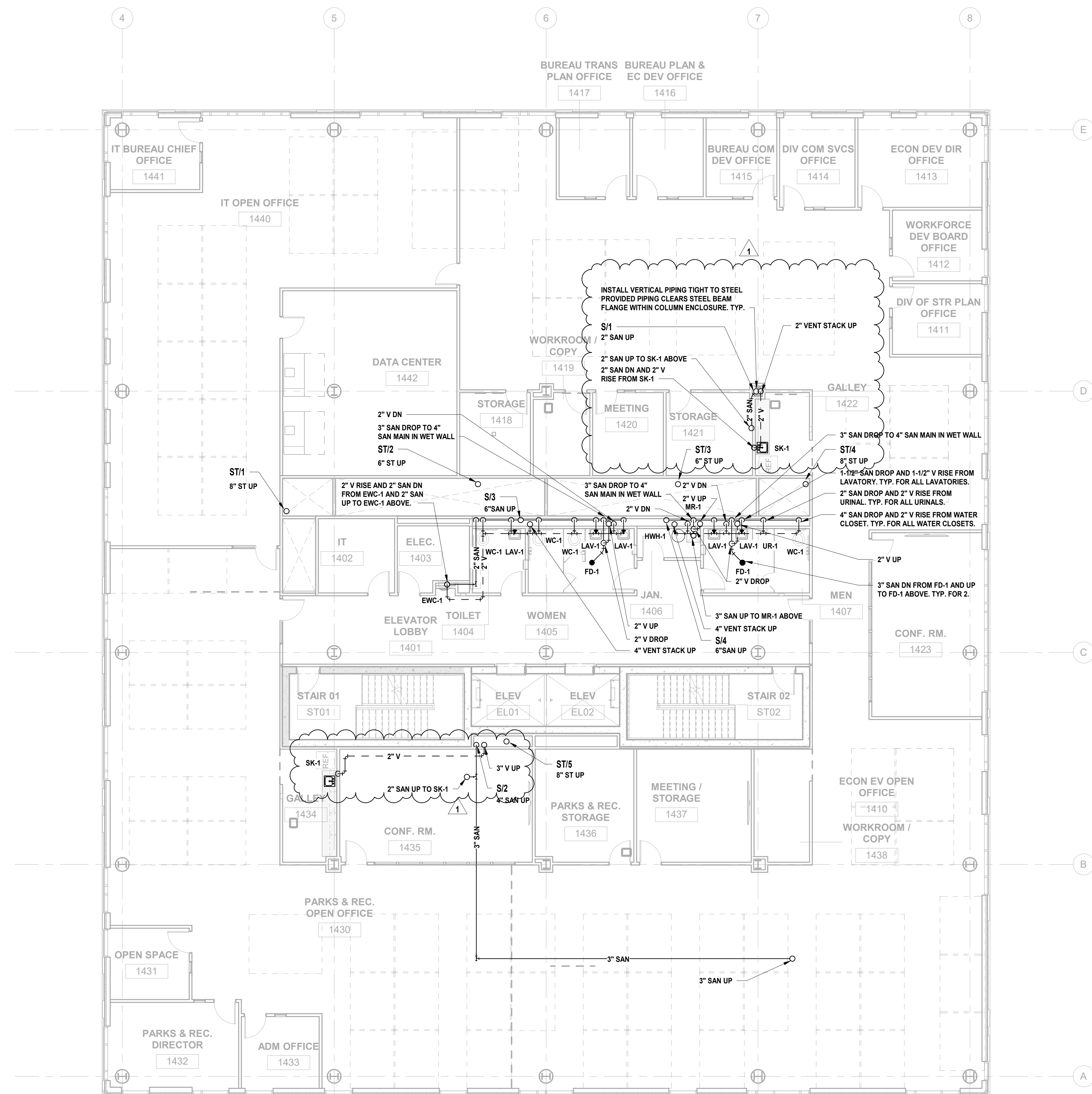
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JMSH

Sheet Name:
BUILDING NO. 1 - LEVEL 3 - SANITARY & STORM PLAN

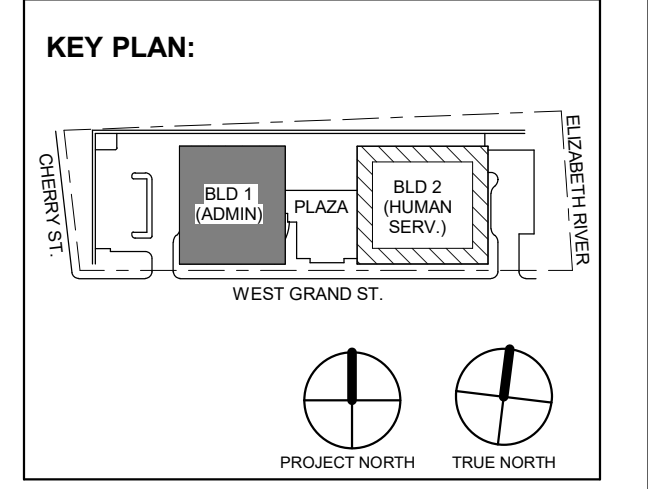
Sheet No:
P-104

1 BUILDING NO. 1 - LEVEL 3 - SANITARY & STORM
SCALE: 1/8" = 1'-0"





JONATHAN R. MURATORE, P.E. ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER. THE DESIGN AND CONSTRUCTION OF THIS DOCUMENT IS THE PROPERTY OF H2M ASSOCIATES, INC. DESIGNED BY: CRG DRAWN BY: CRG CHECKED BY: JRM REVIEWED BY: JRM PROJECT No: DIGA2301 DATE: 12.01.2023 SCALE: AS SHOWN



1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid
No. Date Description
Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 05827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

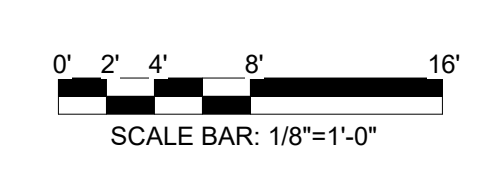
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

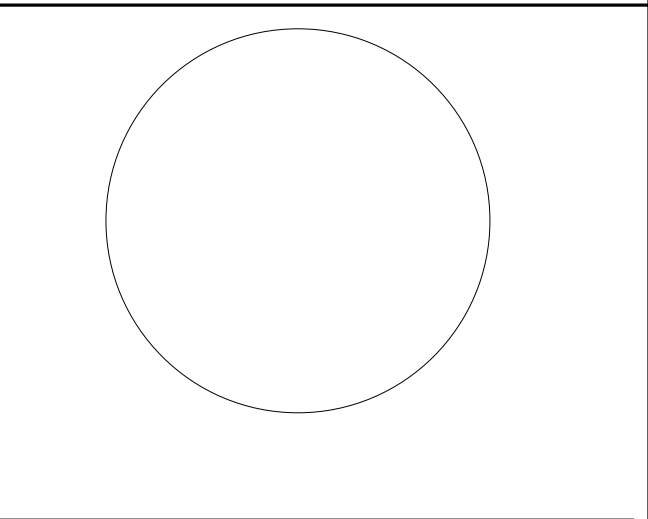
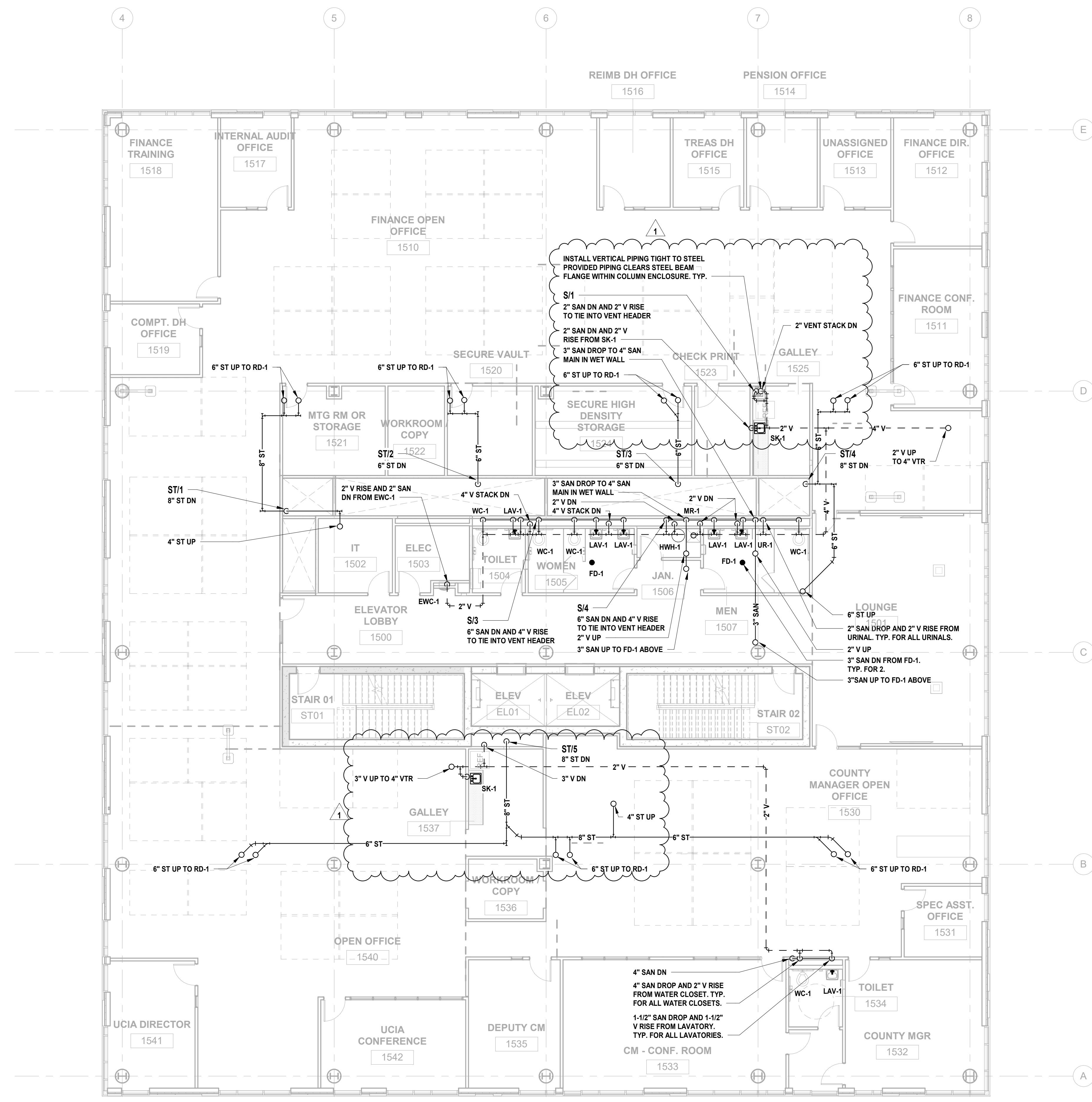
Sheet Name:
BUILDING NO. 1 - LEVEL 4 - SANITARY & STORM PLAN

Sheet No:

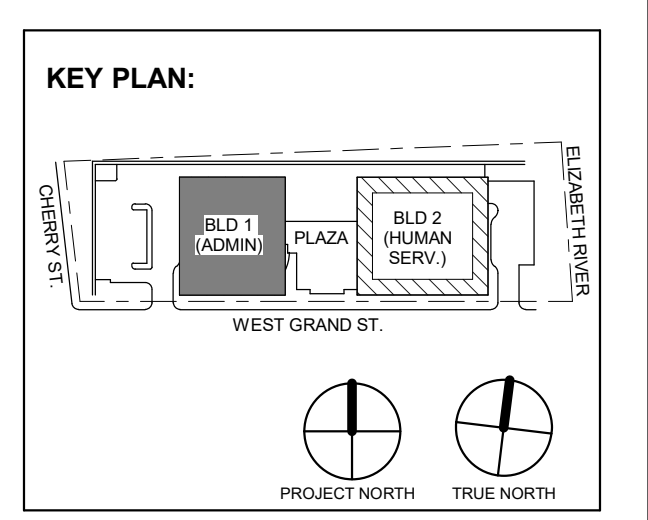
P-105

1 BUILDING NO. 1 - LEVEL 4 - SANITARY & STORM
P-105 SCALE: 1/8" = 1'-0"





JONATHAN R. MURATORE, P.E.
ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT IS VOID AND OF NO EFFECT.
DESIGNED BY: (DRAWN BY: (CHECKED BY: (REVIEWED BY: (CRG (CRG (JRM (JRM
PROJECT No: DIGA2301 DATE: 12.01.2023 SCALE: AS SHOWN



1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

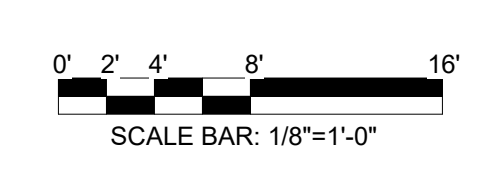
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

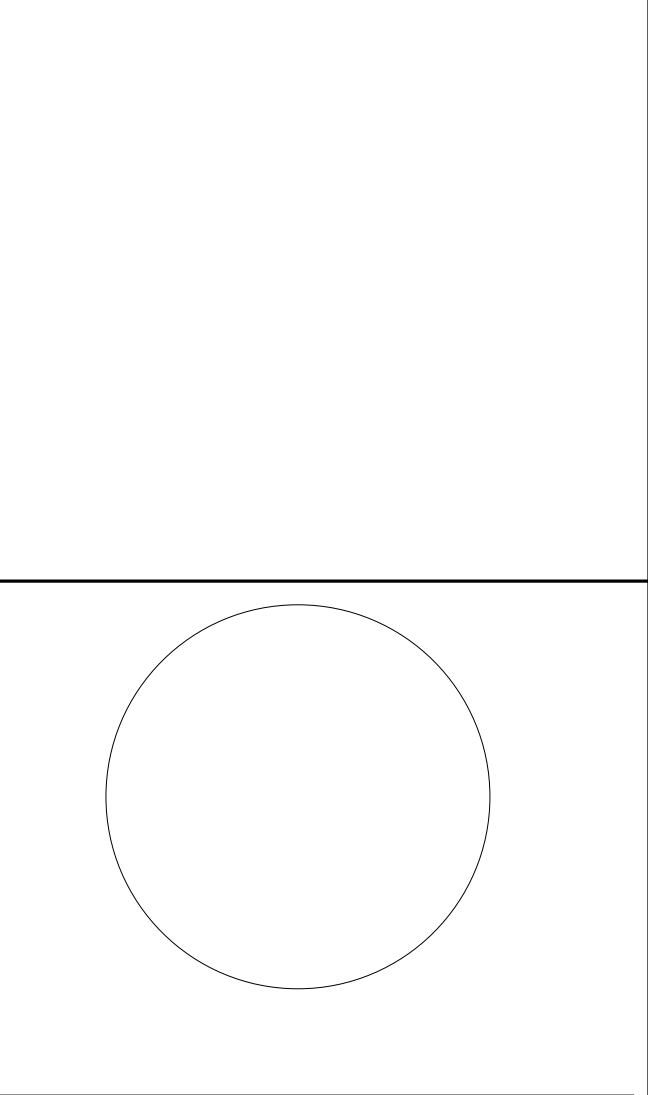
Sheet Name:
BUILDING NO. 1 - LEVEL 5 - SANITARY & STORM PLAN

Sheet No:

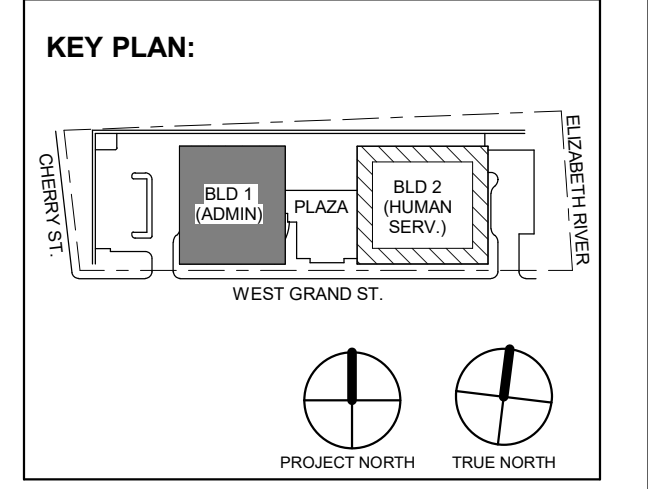
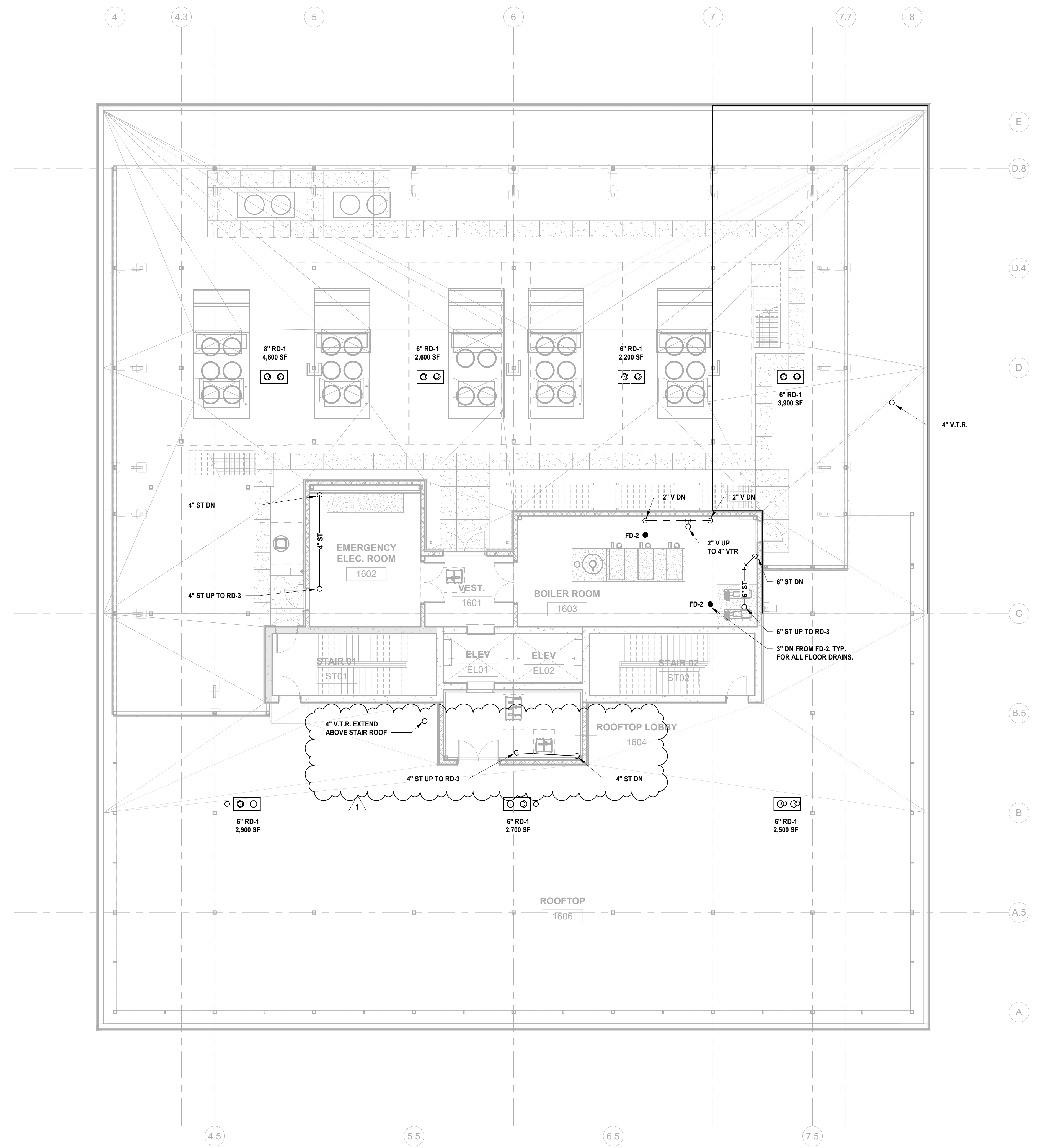
P-106

1 BUILDING NO. 1 - LEVEL 5 - SANITARY & STORM
P-106 SCALE: 1/8" = 1'-0"





JONATHAN R. MURATORE, P.E.
ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS LEGAL.
DESIGNED BY: CRG DRAWN BY: CRG CHECKED BY: JRM REVIEWED BY: JRM
PROJECT No: DIGA2301 DATE: 12.01.2023 SCALE: AS SHOWN



1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

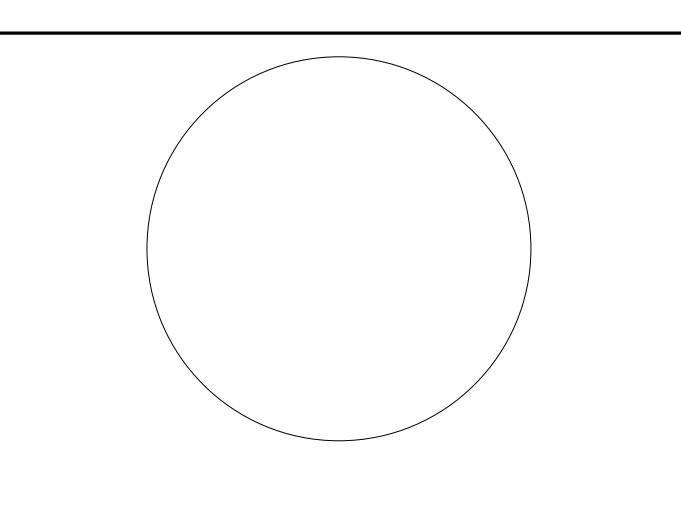
Sheet Name:
BUILDING NO. 1 - ROOF - SANITARY & STORM PLAN

Sheet No:

P-107

1 BUILDING NO. 1 - ROOF - SANITARY & STORM
P-107 SCALE: 1/8" = 1'-0"





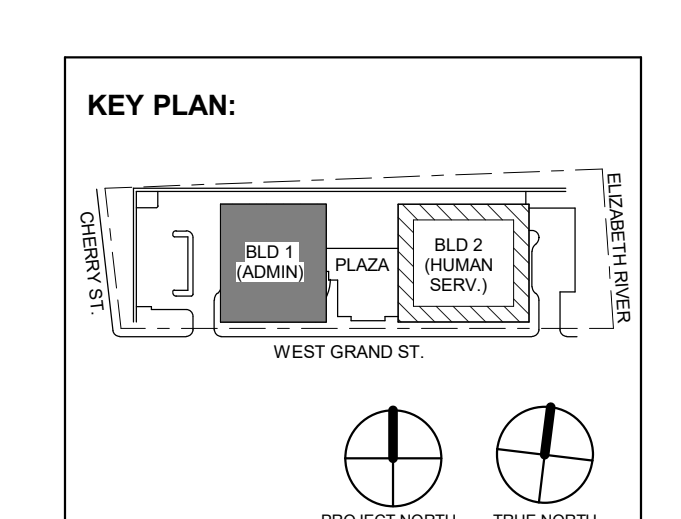
JONATHAN R. MURATORE, P.E.
A PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY

ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS LEGAL.

DESIGNED BY: (DRAWN BY: CHECKED BY: REVIEWED BY:

CRG CRG JRM JRM

PROJECT No: DIGA2301 DATE: 12.01.2023 SCALE: AS SHOWN



Revisions / Issues

No.	Date	Description
1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 03627100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:

UNION COUNTY IMPROVEMENT AUTHORITY

Project:

UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:

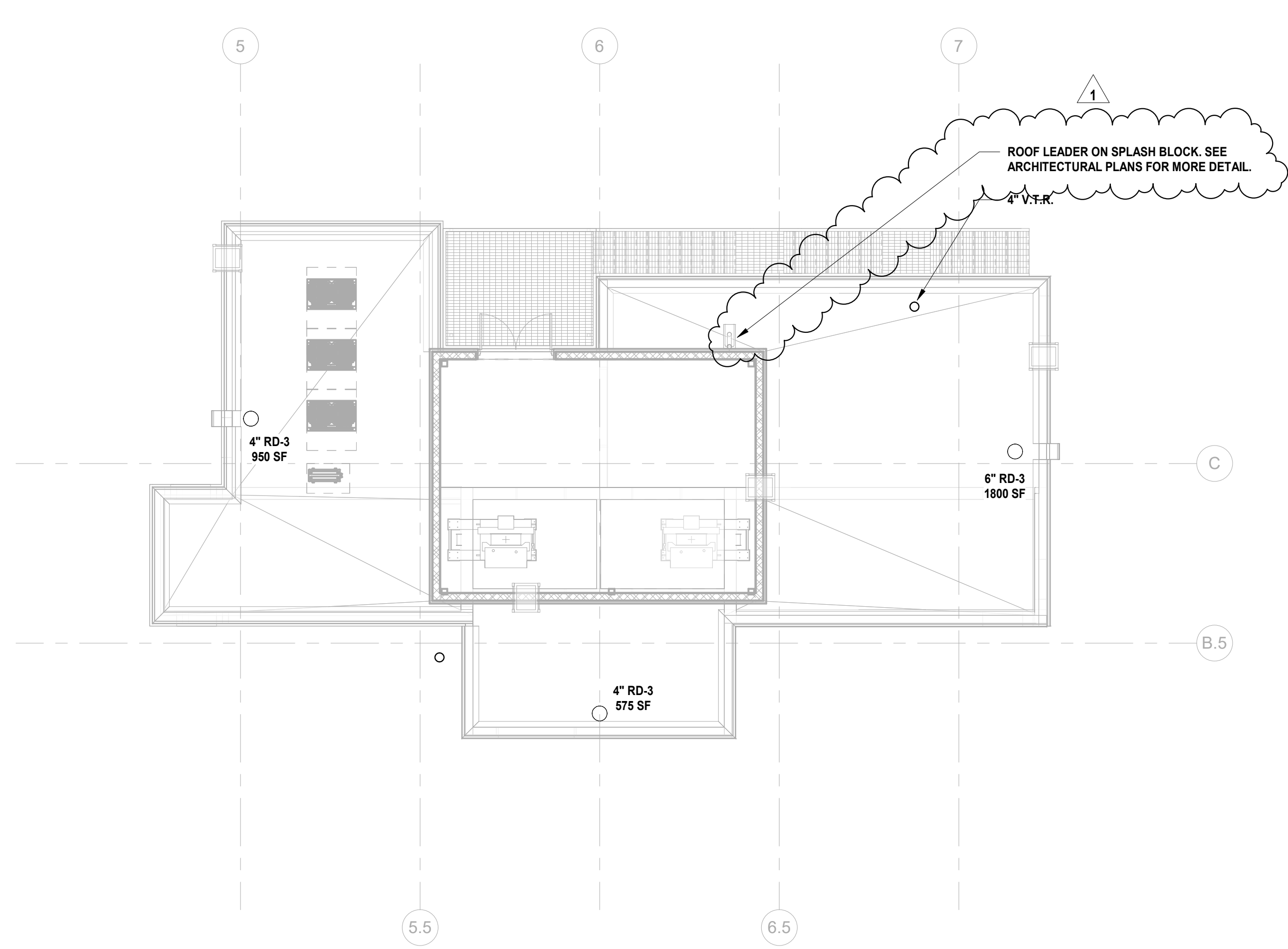
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:

BUILDING NO. 1 - EMR LEVEL - SANITARY & STORM PLAN

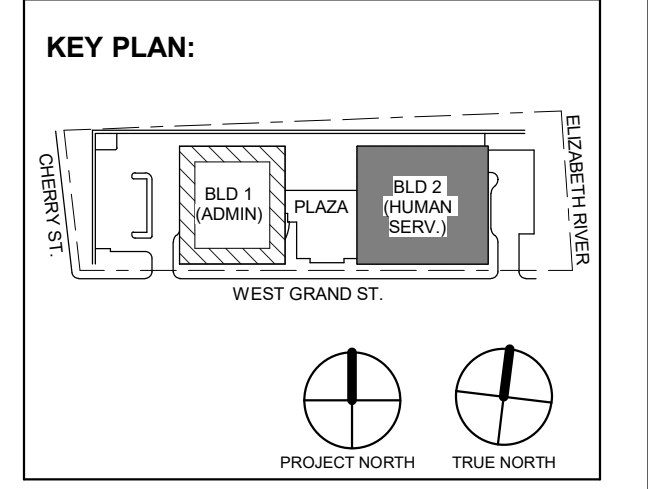
Sheet No:

P-108



1 BUILDING NO. 1 - EMR - SANITARY & STORM
P-108 SCALE: 1/8" = 1'-0"





1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid
No. Date Description
Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

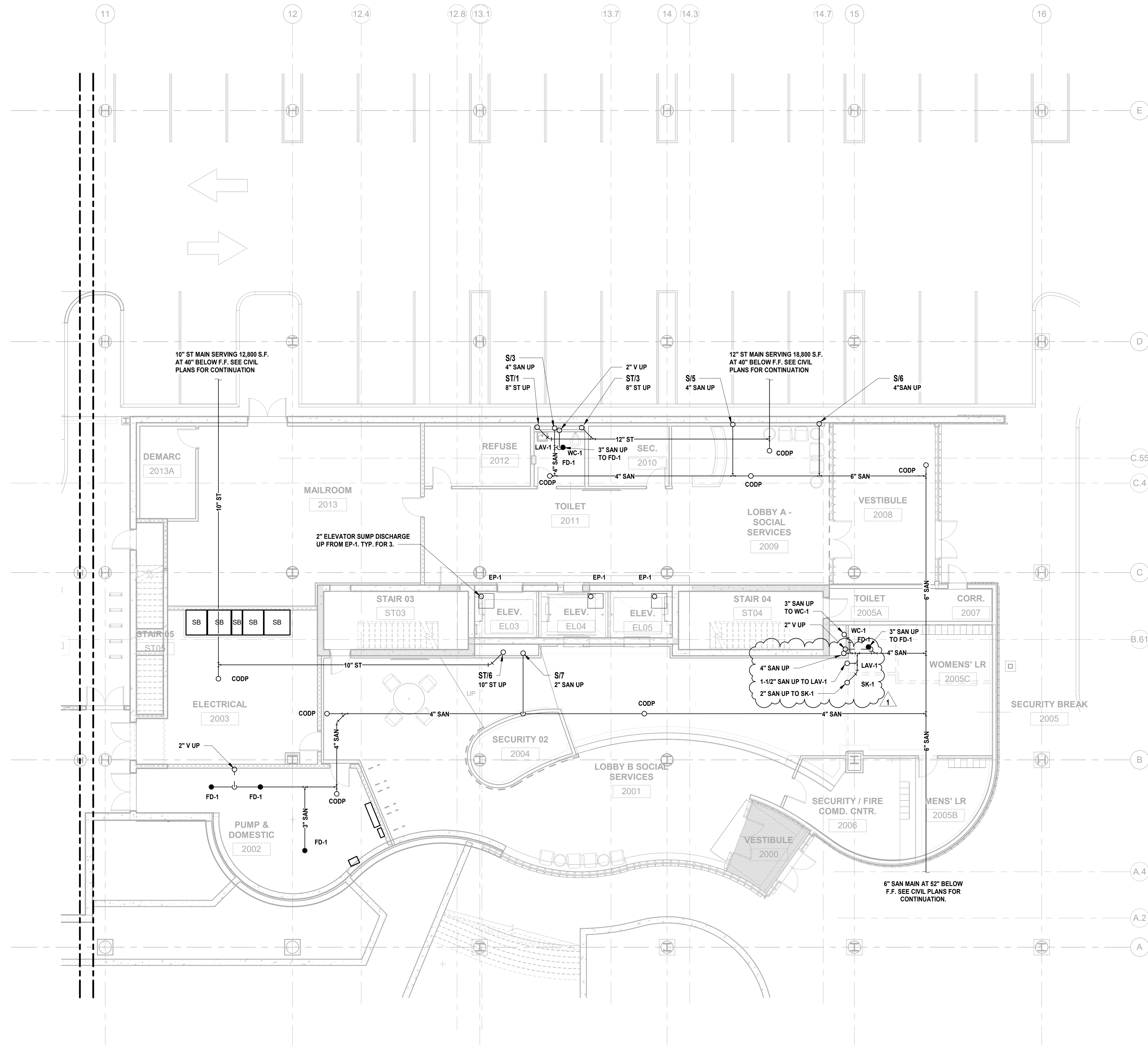
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 2 - UNDERSLAB - SANITARY & STORM PLAN

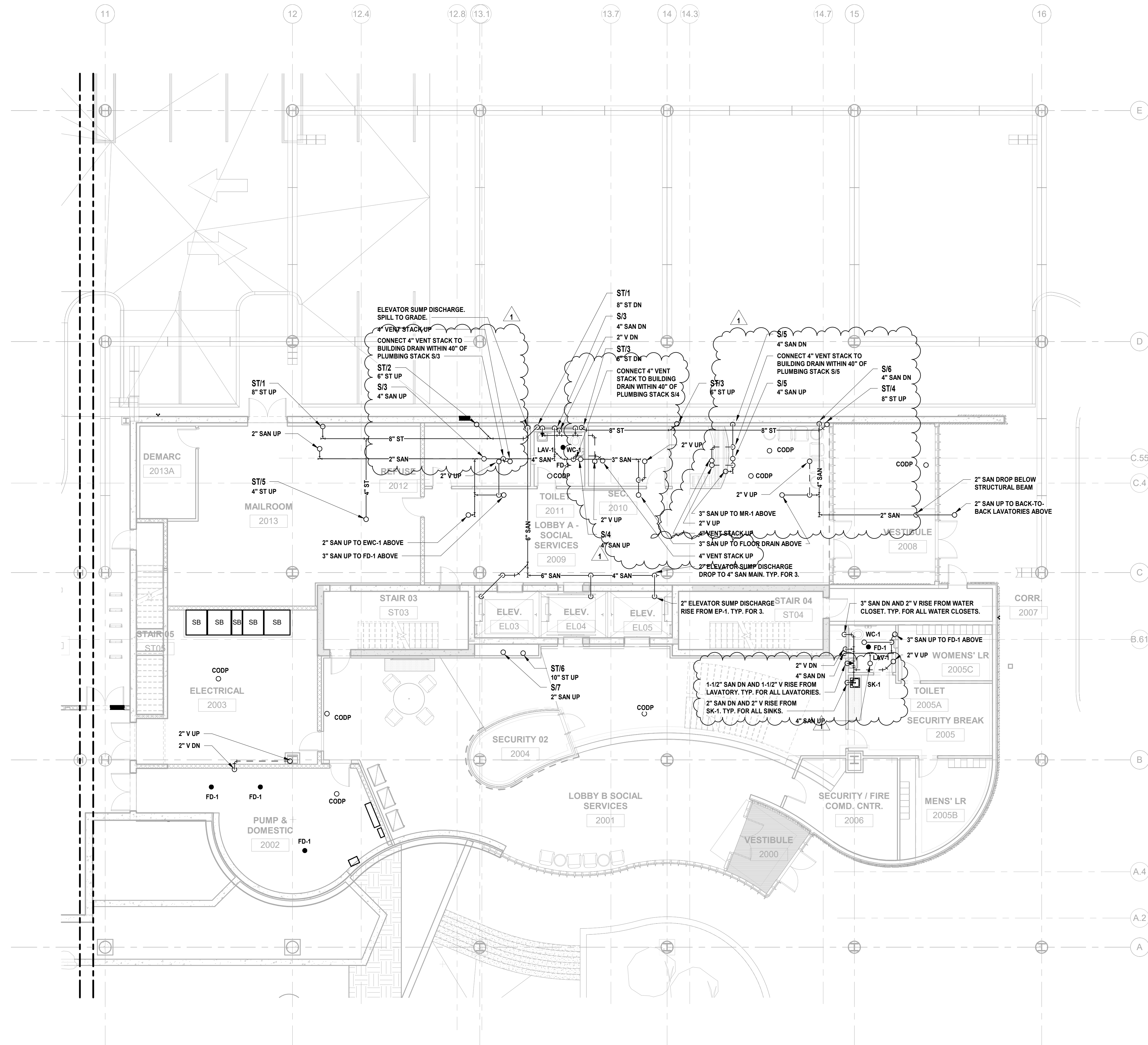
Sheet No:

P-109



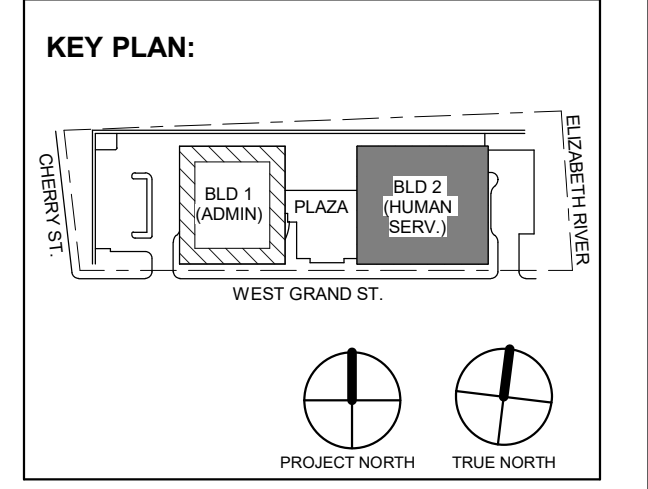
1 BUILDING NO. 2 - UNDERSLAB - SANITARY & STORM
SCALE: 1/8" = 1'-0"





JONATHAN R. MURATORE, P.E.

ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT IS UNLAWFUL.
DESIGNED BY: CRG DRAWN BY: CRG CHECKED BY: JRM REVIEWED BY: JRM
PROJECT No: DIGA2301 DATE: 12.01.2023 SCALE: AS SHOWN



1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

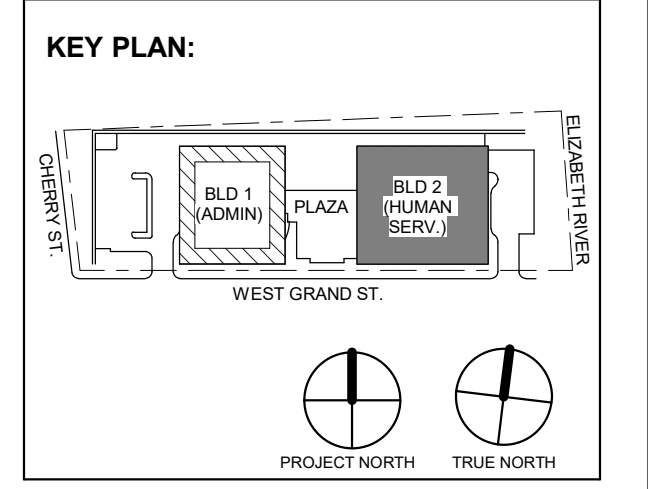
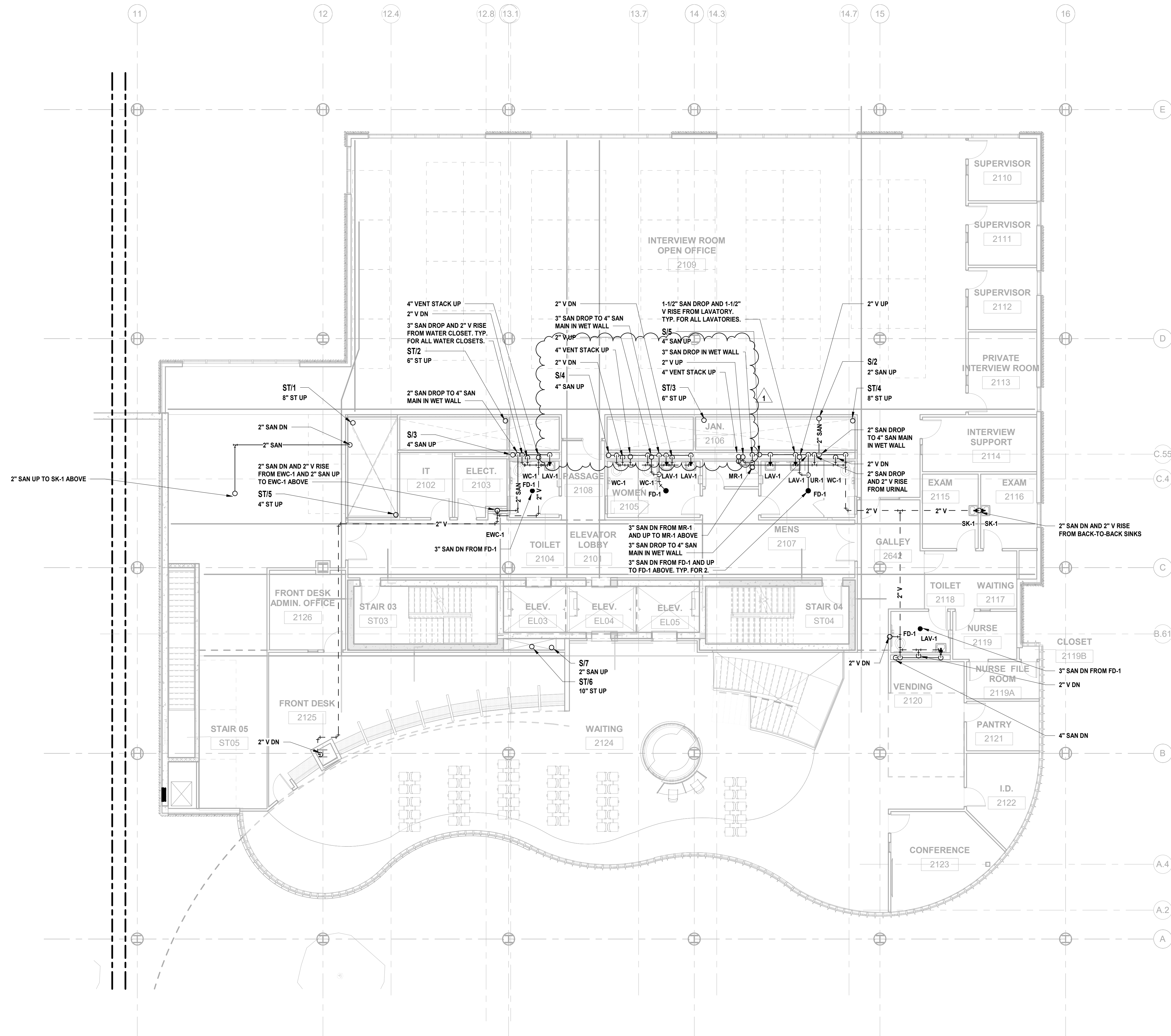
Sheet Name:
BUILDING NO. 2 - LEVEL 0 - SANITARY & STORM PLAN

Sheet No:

P-110

1 BUILDING NO. 2 - LEVEL 0 - SANITARY & STORM
P-110 SCALE: 1/8" = 1'-0"





No.	Date	Description
1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 2 - LEVEL 1 - SANITARY & STORM PLAN

Sheet No:
P-111

1 BUILDING NO. 2 - LEVEL 1 - SANITARY & STORM
SCALE: 1/8" = 1'-0"



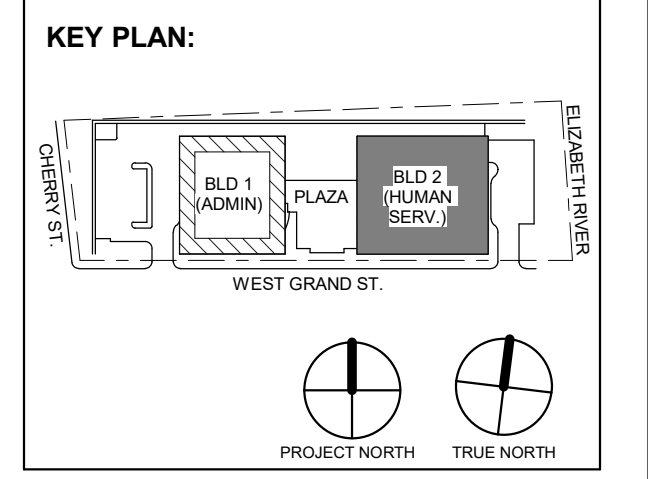


Table with 3 columns: No., Date, Description. Revisions / Issues.

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

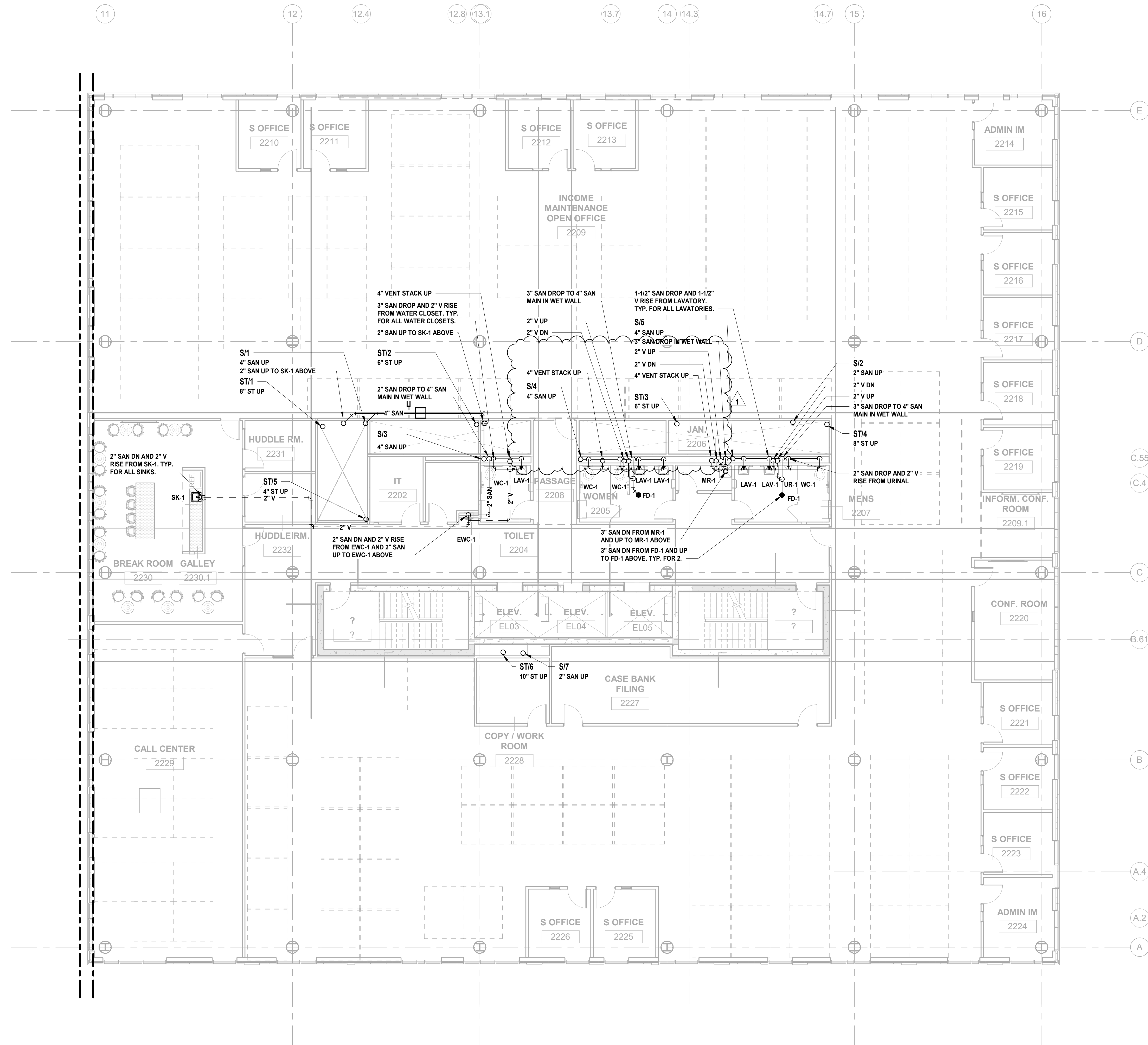
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

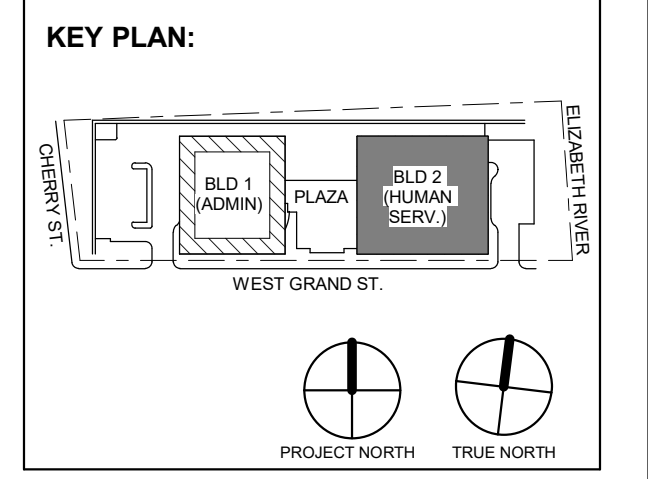
Sheet Name:
BUILDING NO. 2 - LEVEL 2 - SANITARY & STORM PLAN

Sheet No:
P-112



1 BUILDING NO. 2 - LEVEL 2 - SANITARY & STORM
P-112 SCALE: 1/8" = 1'-0"





1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid
No. Date Description
Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

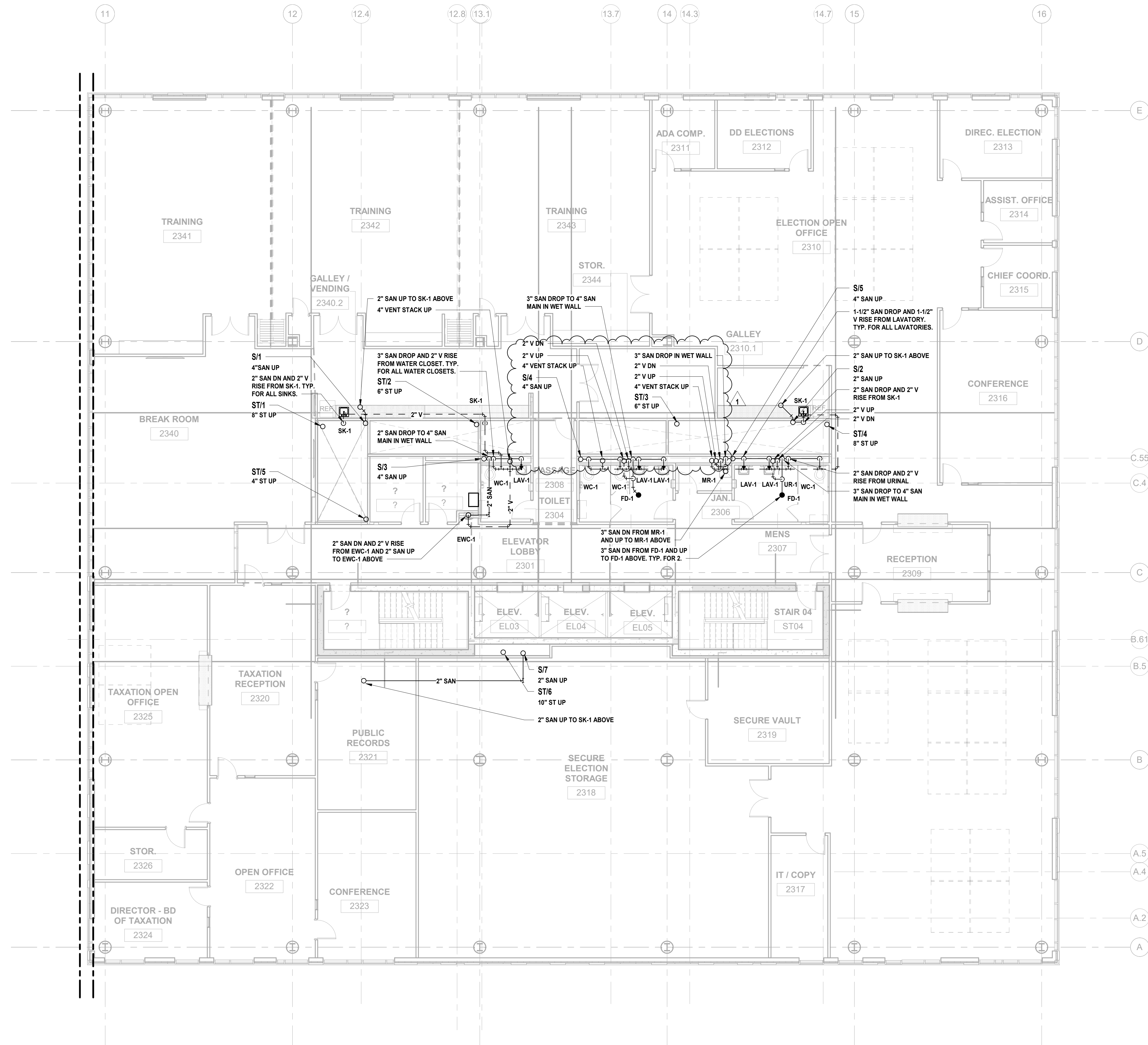
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

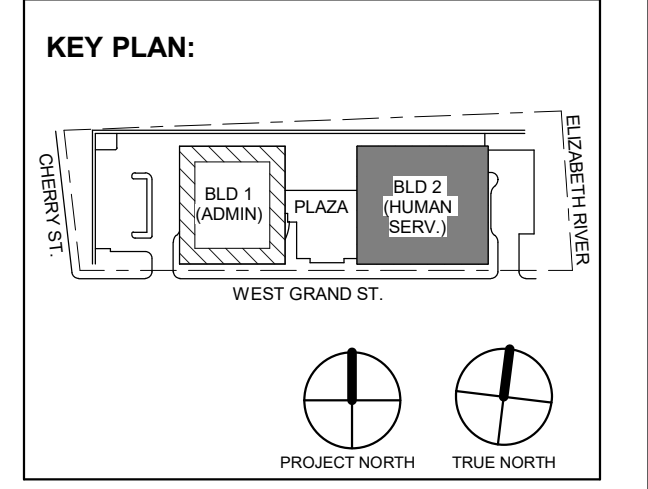
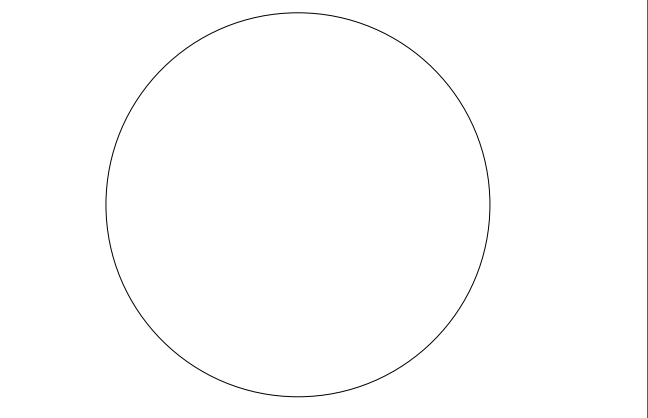
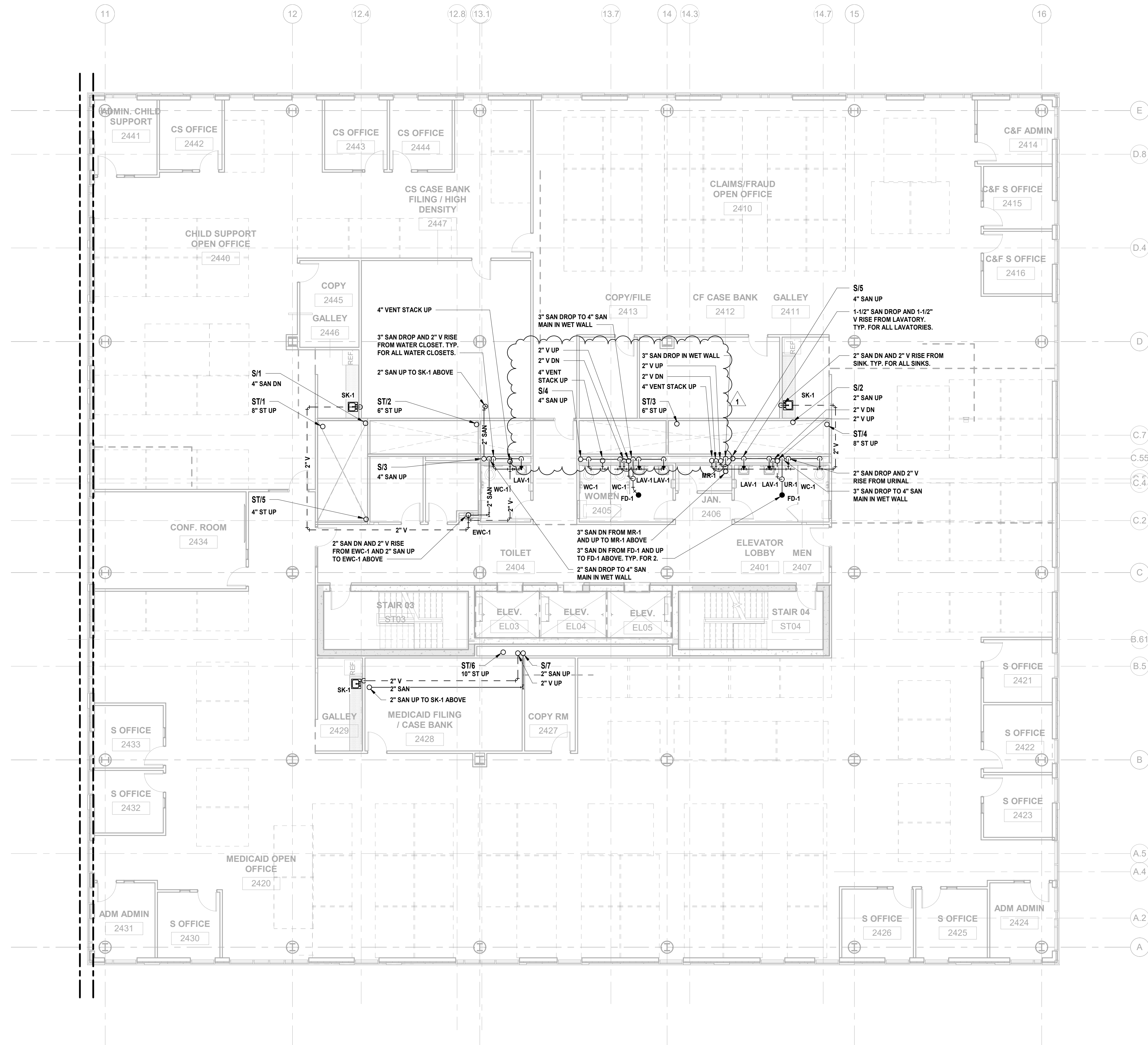
Sheet Name:
BUILDING NO. 2 - LEVEL 3 - SANITARY & STORM PLAN

Sheet No:

P-113



1 BUILDING NO. 2 - LEVEL 3 - SANITARY & STORM
P-113 SCALE: 1/8" = 1'-0"



1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

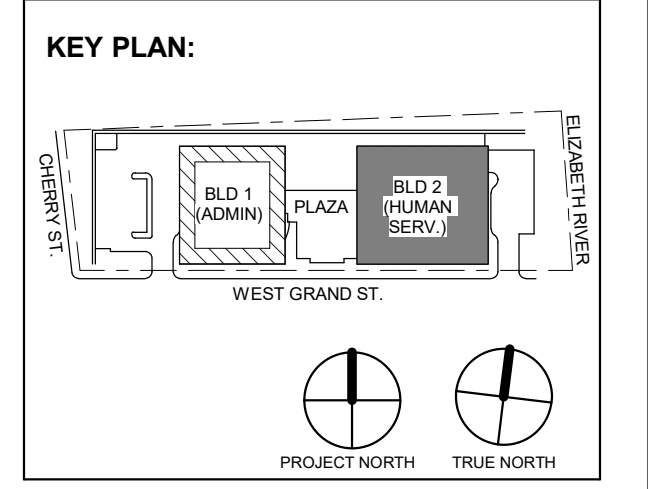
Sheet Name:
BUILDING NO. 2 - LEVEL 4 - SANITARY & STORM PLAN

Sheet No:

P-114

1 BUILDING NO. 2 - LEVEL 4 - SANITARY & STORM
P-114 SCALE: 1/8" = 1'-0"





12/01/2023 Addendum No. 01
11/08/2023 For Public Bid

No.	Date	Description

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

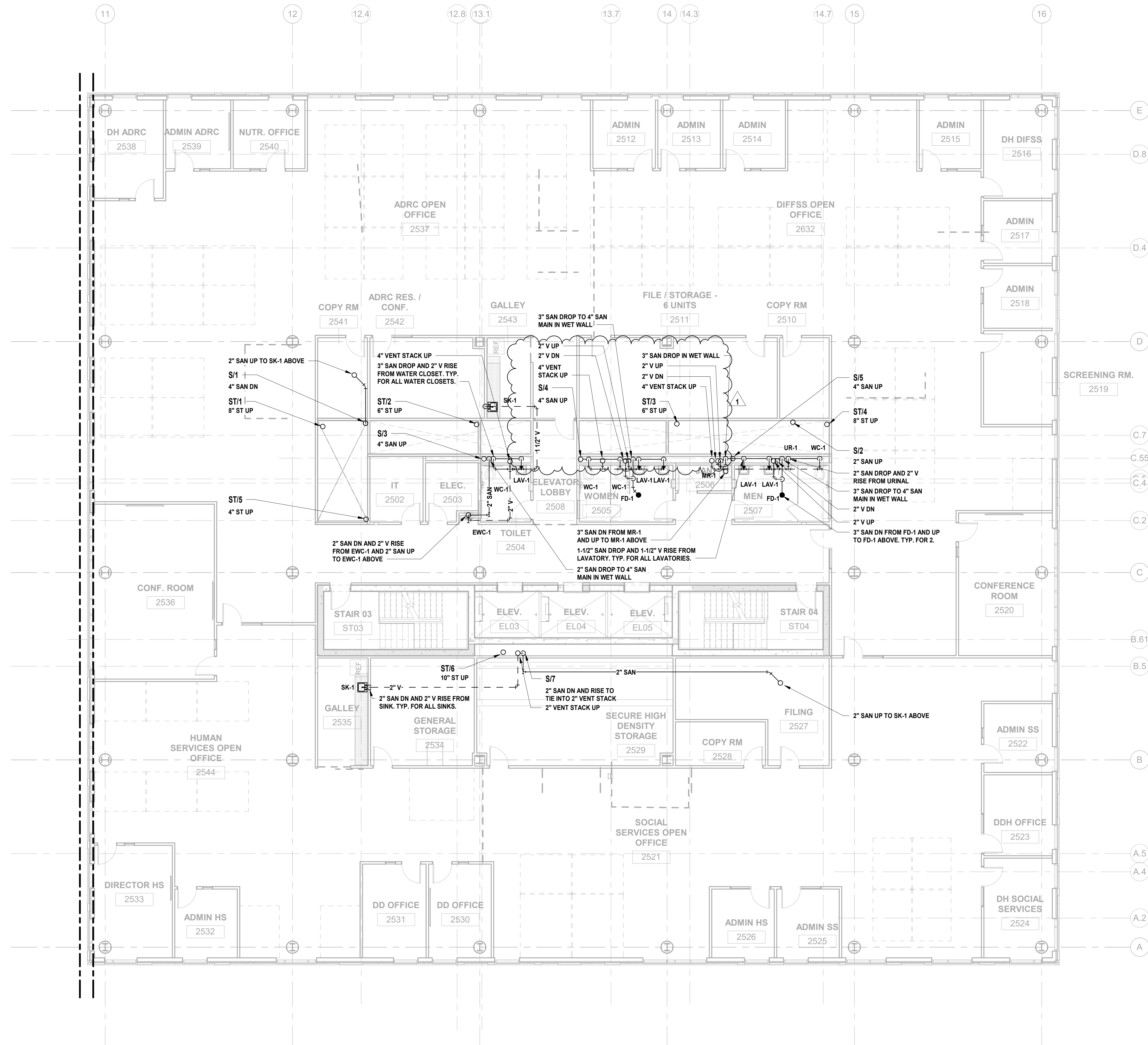
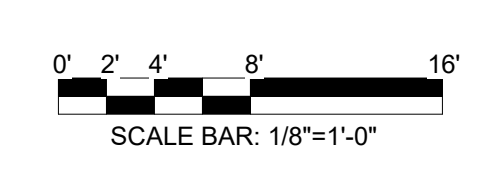
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

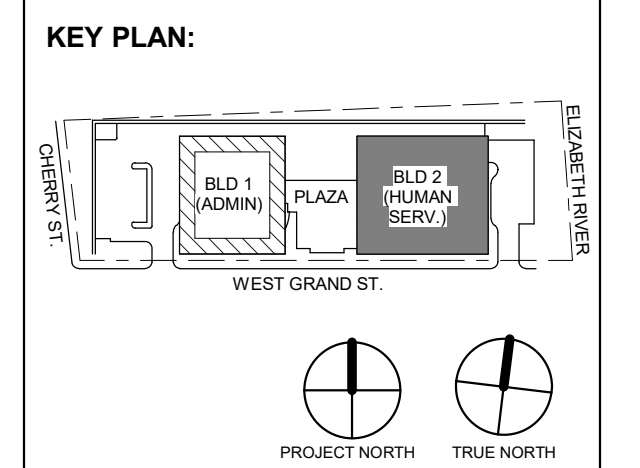
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JMSH

Sheet Name:
BUILDING NO. 2 - LEVEL 5 - SANITARY & STORM PLAN

Sheet No:
P-115



1 BUILDING NO. 2 - LEVEL 5 - SANITARY & STORM
P-115 SCALE: 1/8" = 1'-0"



1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid
No. Date Description
Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

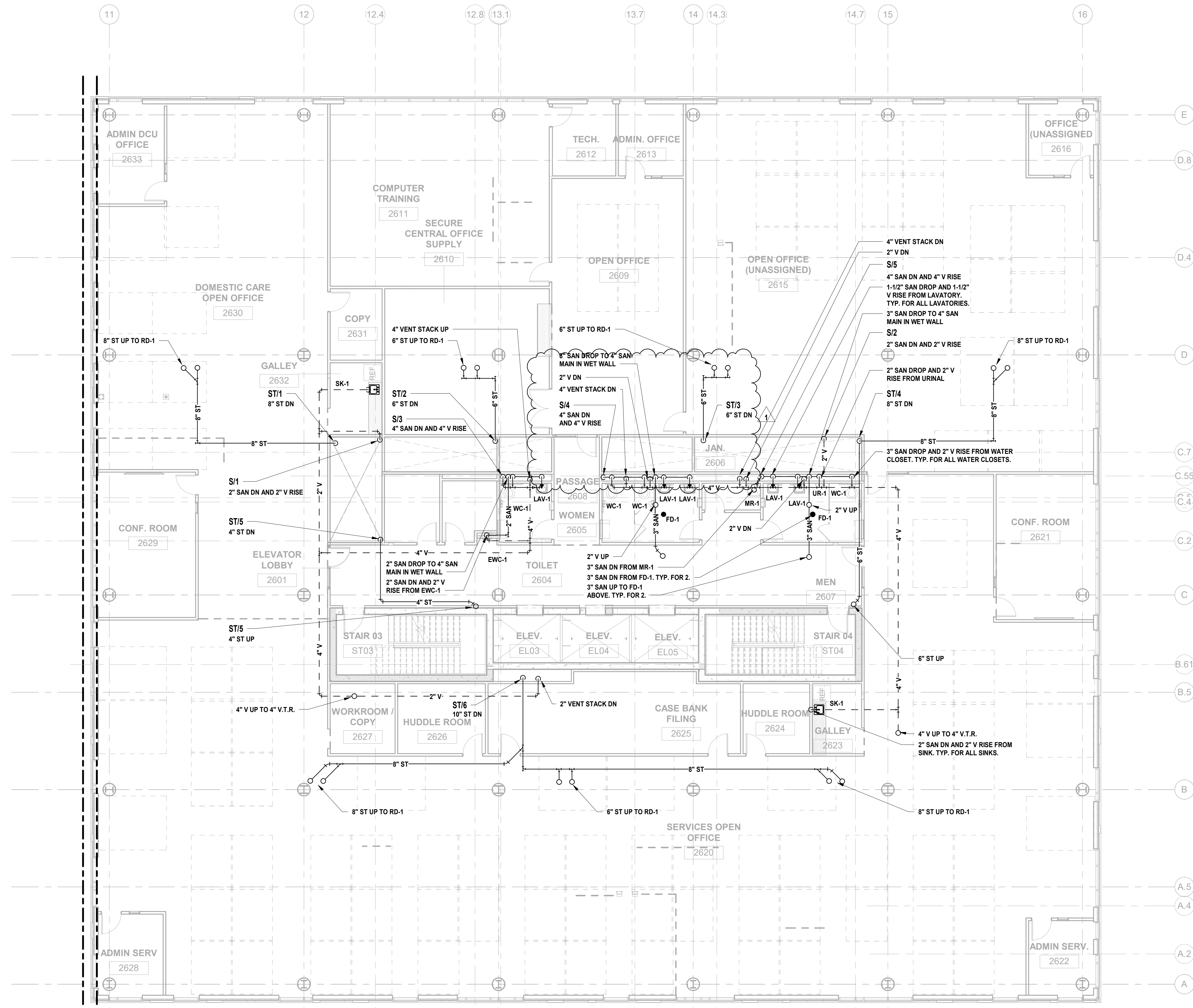
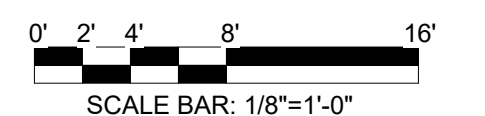
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JMSH

Sheet Name:
BUILDING NO. 2 - LEVEL 6 - SANITARY & STORM PLAN

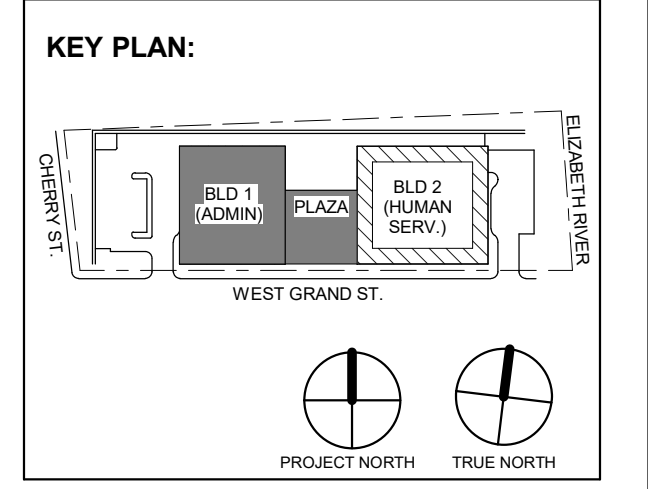
Sheet No:

P-116



1 BUILDING NO. 2 - LEVEL 6 - SANITARY & STORM
P-116 SCALE: 1/8" = 1'-0"

DESIGNED BY	CRG	CRG	JRM	JRM	
DRAWN BY					
CHECKED BY					
REVIEWED BY					
PROJECT No.	DIGA2301	DATE	12.01.2023	SCALE	AS SHOWN



1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

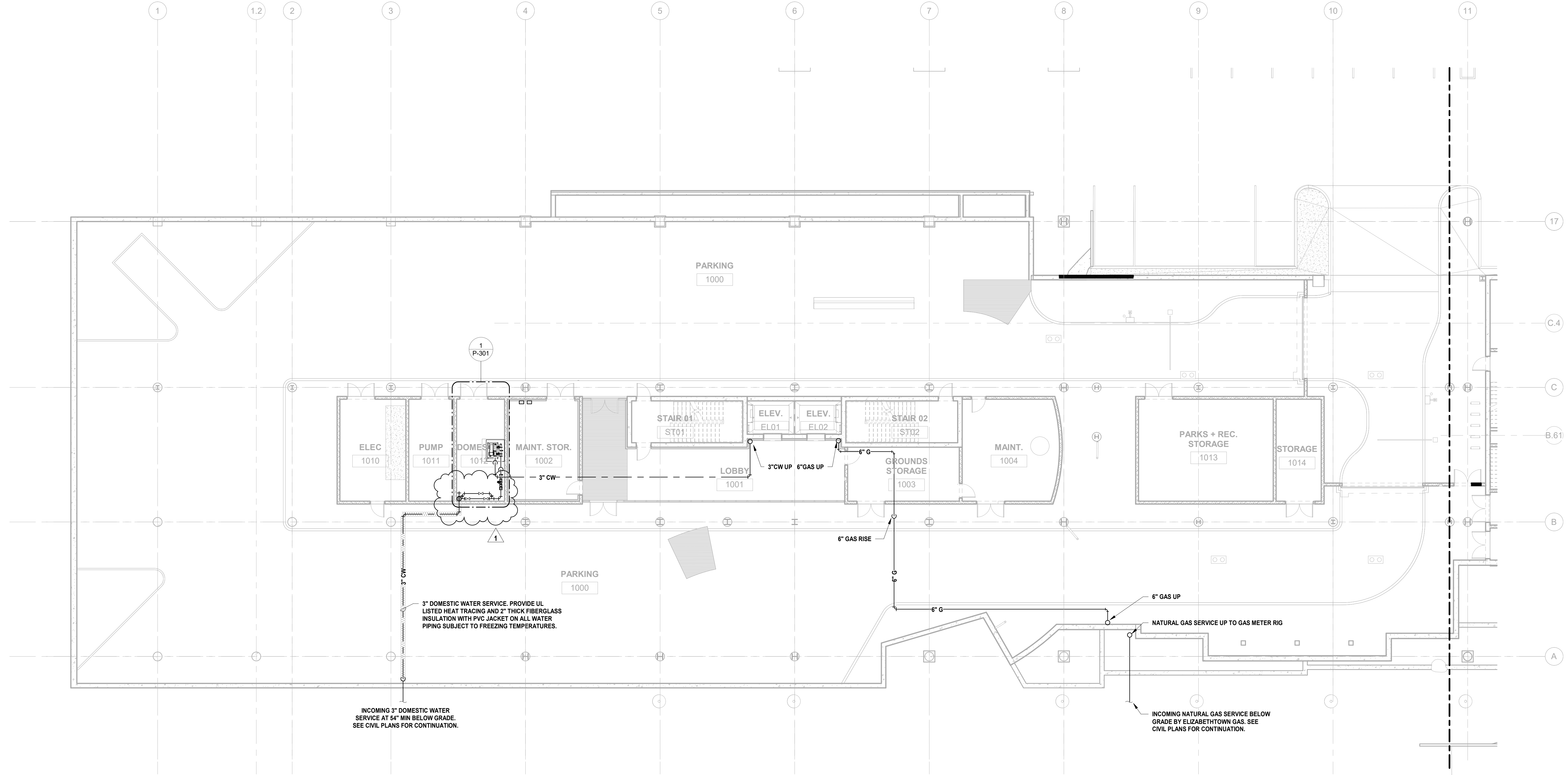
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

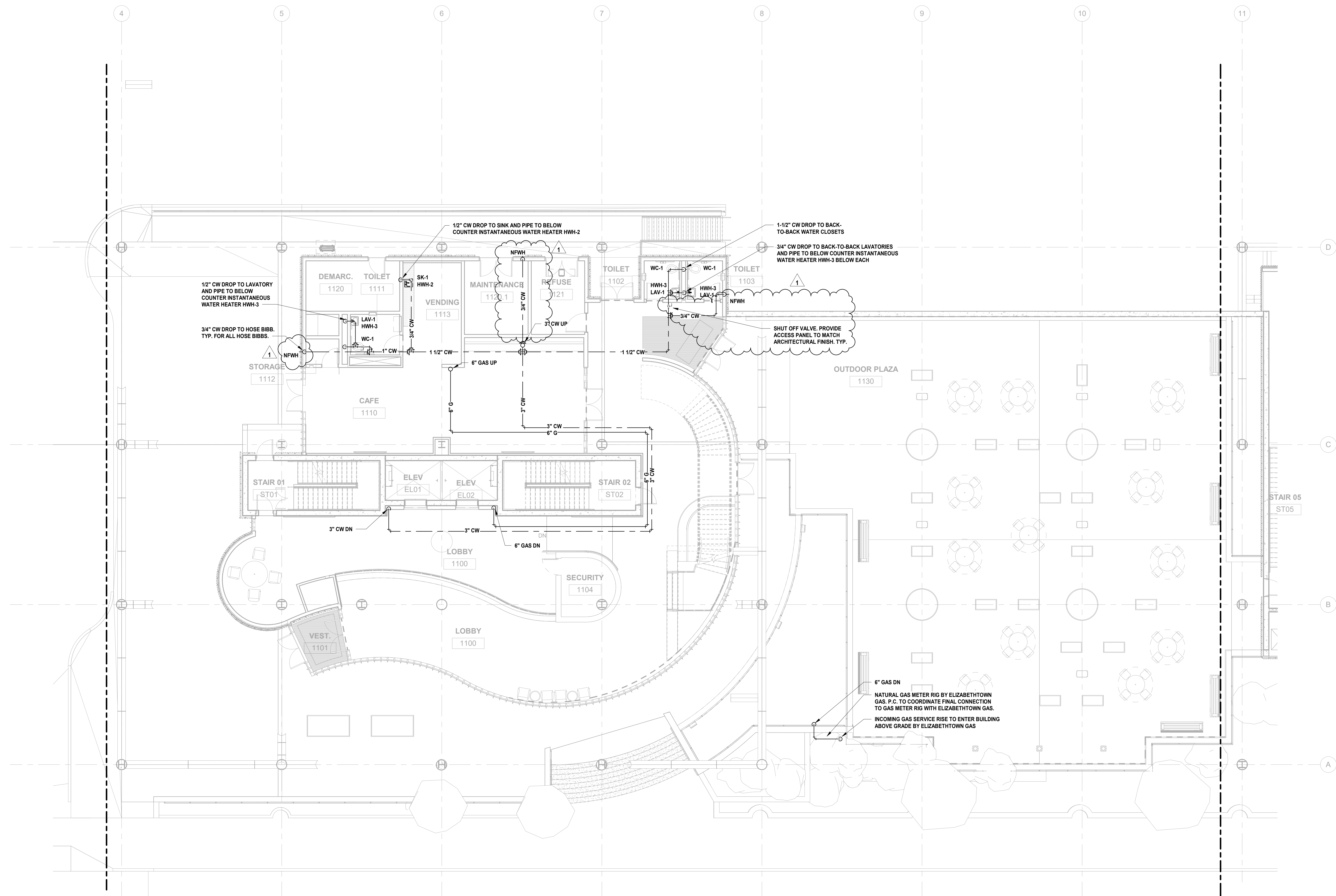
Sheet Name:
BUILDING NO. 1 - LEVEL 0 - DOMESTIC WATER & GAS PLAN

Sheet No:
P-201

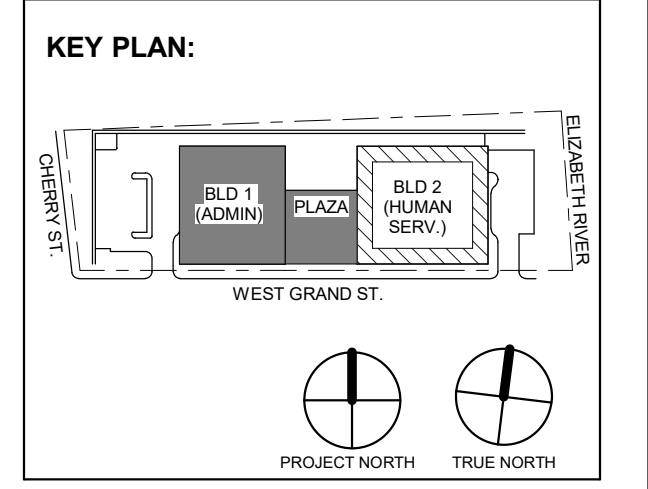


1 BUILDING NO. 1 - LEVEL 0 - DOMESTIC WATER & GAS
P-201 SCALE: 3/32" = 1'-0"





1 BUILDING NO. 1 - LEVEL 1 - DOMESTIC WATER & GAS
P-202 SCALE: 1/8" = 1'-0"



1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

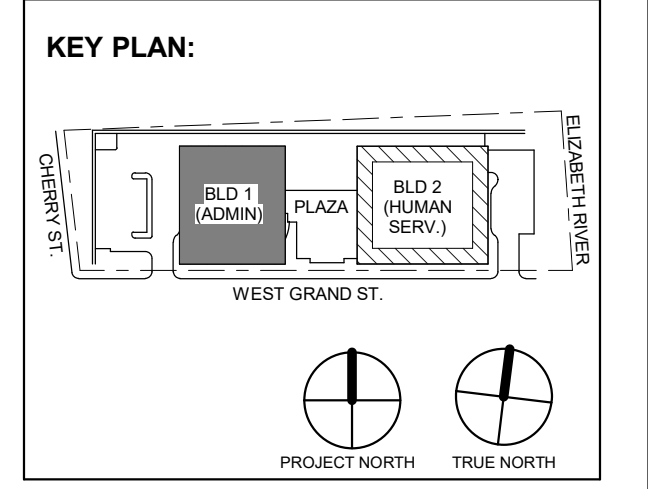
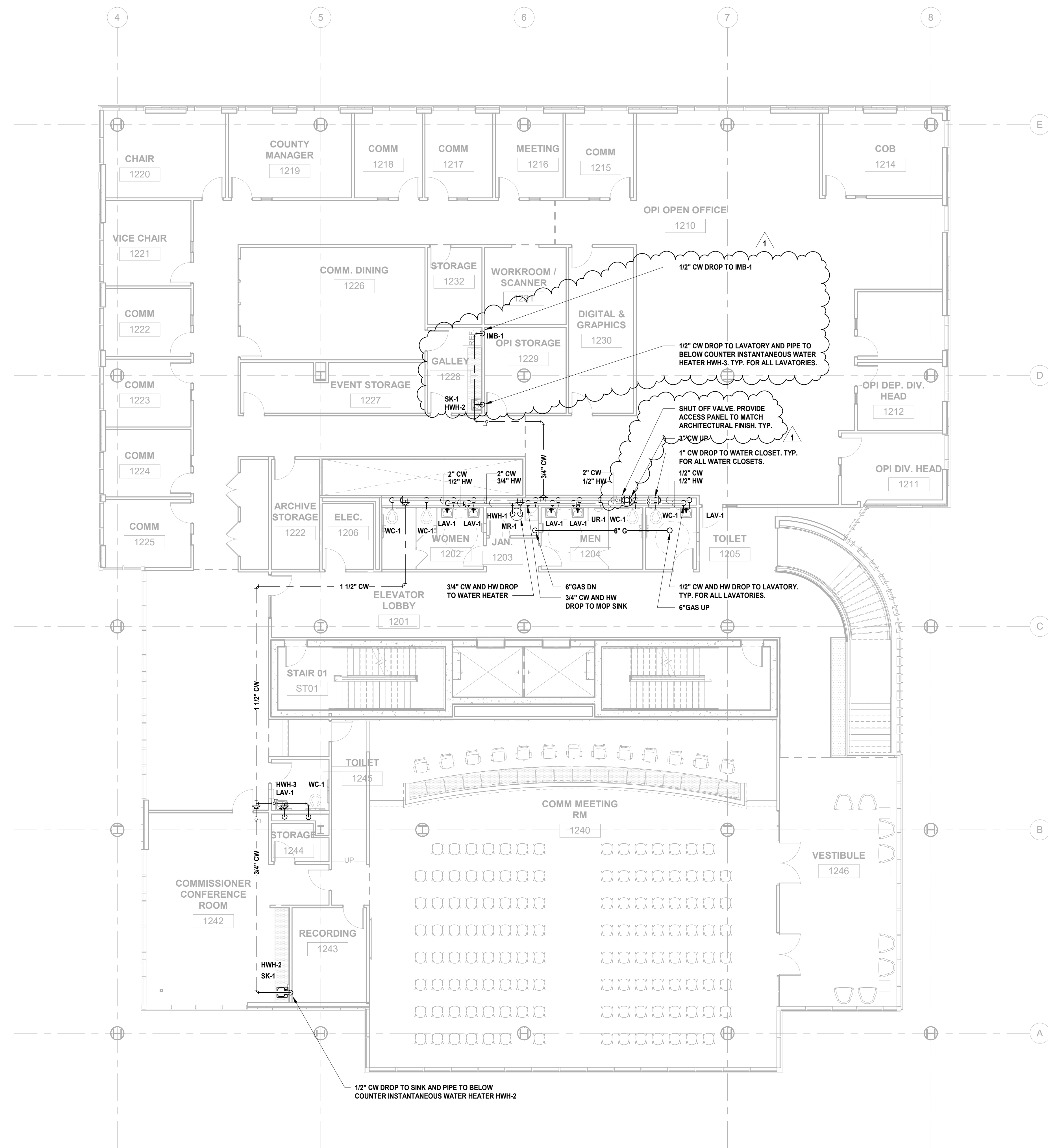
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - LEVEL 1 - DOMESTIC WATER & GAS PLAN

Sheet No:
P-202



1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

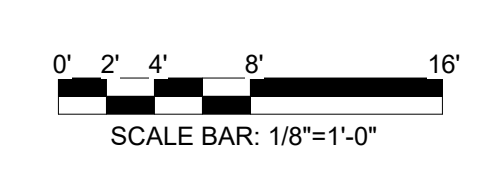
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - LEVEL 2 - DOMESTIC WATER & GAS PLAN

Sheet No:

P-203

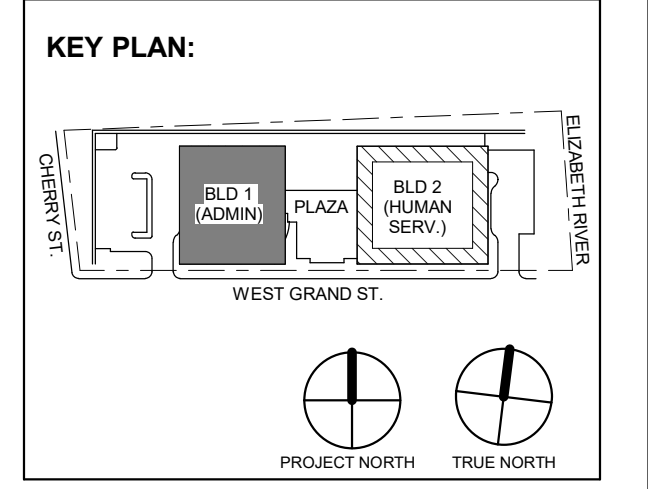
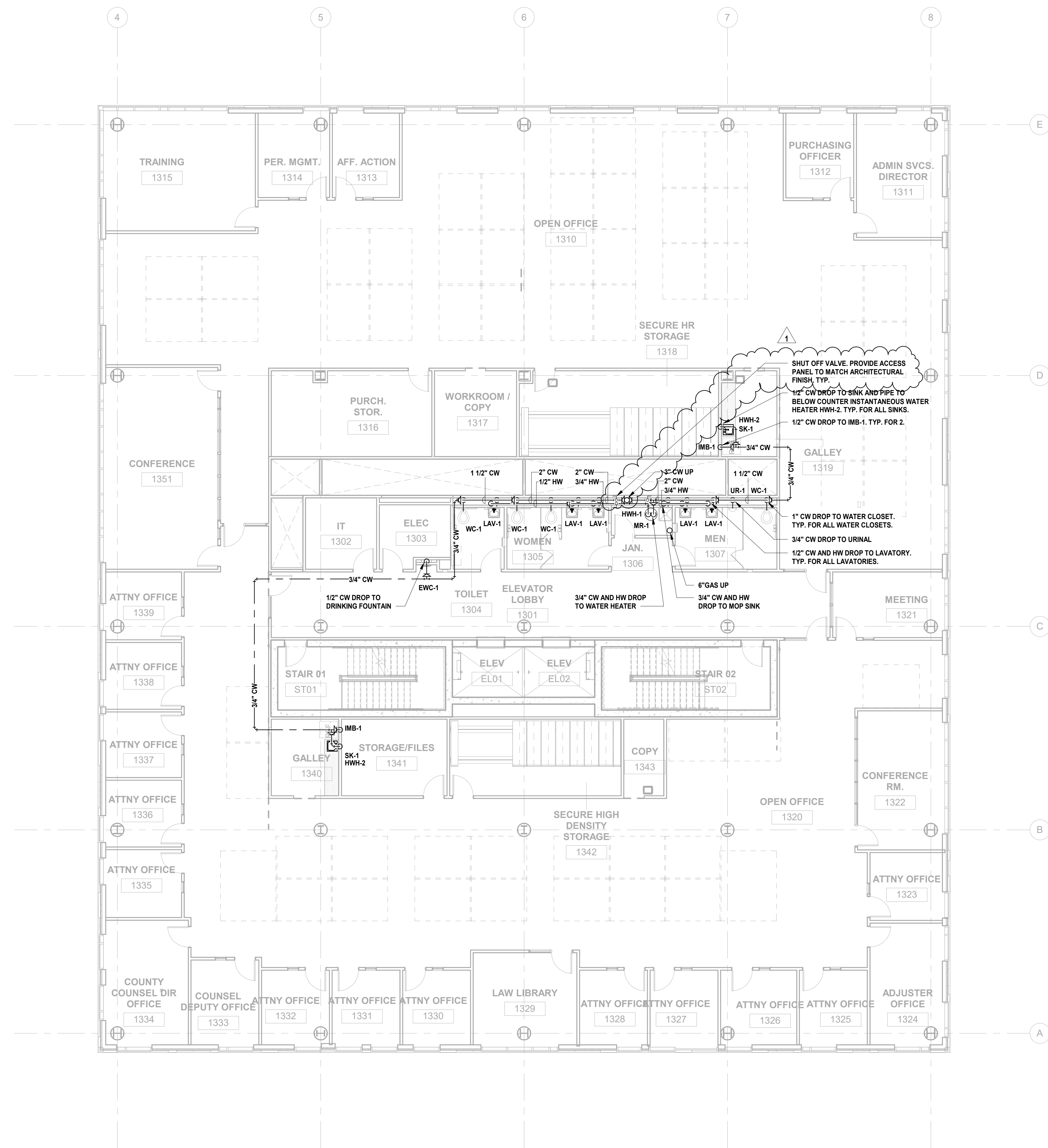
1 BUILDING NO. 1 - LEVEL 2 - DOMESTIC WATER & GAS
P-203 SCALE: 1/8" = 1'-0"



H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010300
NJ Engineering Certificate of Authorization No.: 24GA26019100

JONATHAN R. MURATORE, P.E.
A PROFESSIONAL ENGINEER IN THE STATE OF NJ

DESIGNED BY	CRG	CHECKED BY	JRM	REVIEWED BY	JRM
PROJECT No.	DIGA2301	DATE	12.01.2023	SCALE	AS SHOWN



No.	Date	Description
1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

**PRELIMINARY
NOT FOR CONSTRUCTION**

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
**UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202**

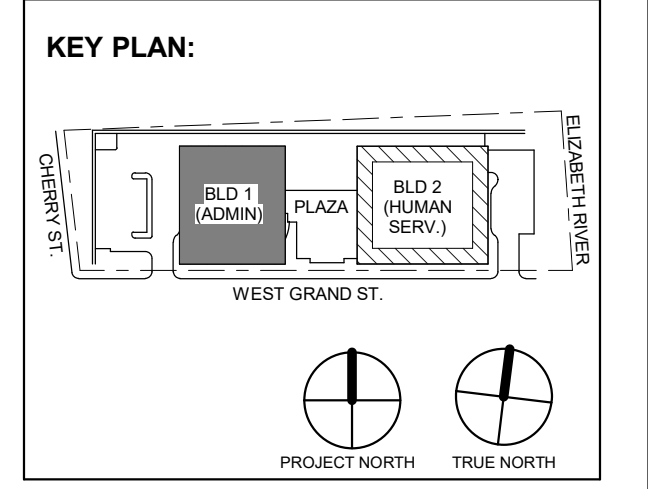
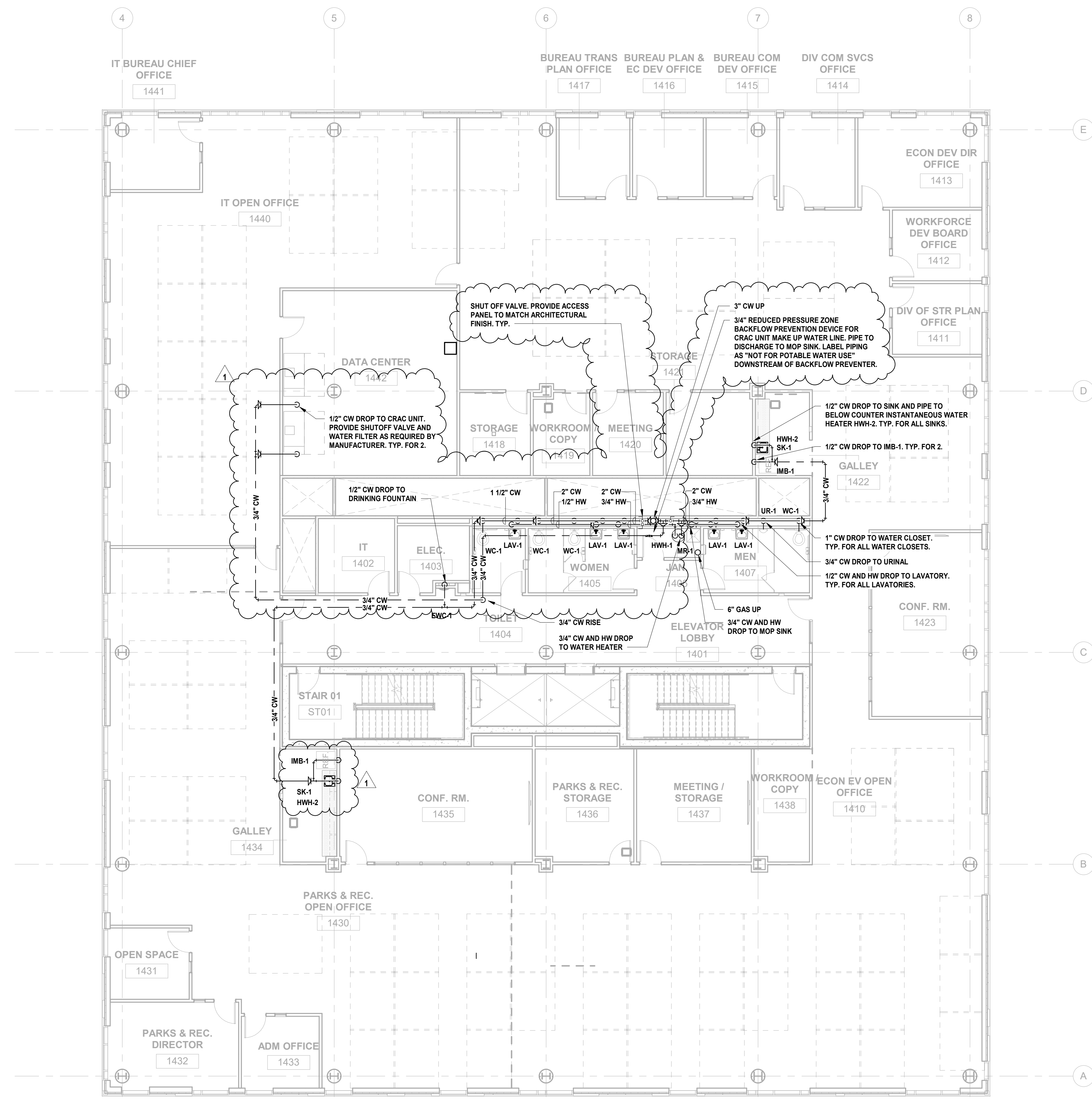
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 1 - LEVEL 3 - DOMESTIC WATER & GAS PLAN

Sheet No:
P-204

1 BUILDING NO. 1 - LEVEL 3 - DOMESTIC WATER & GAS
SCALE: 1/8" = 1'-0"





1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid
No. Date Description
Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 05827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

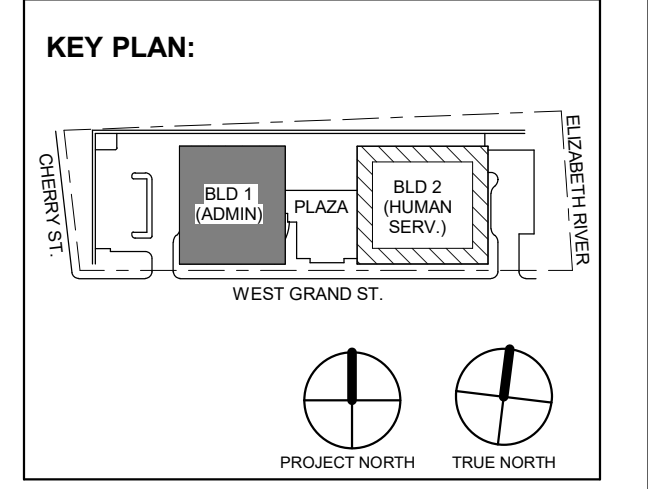
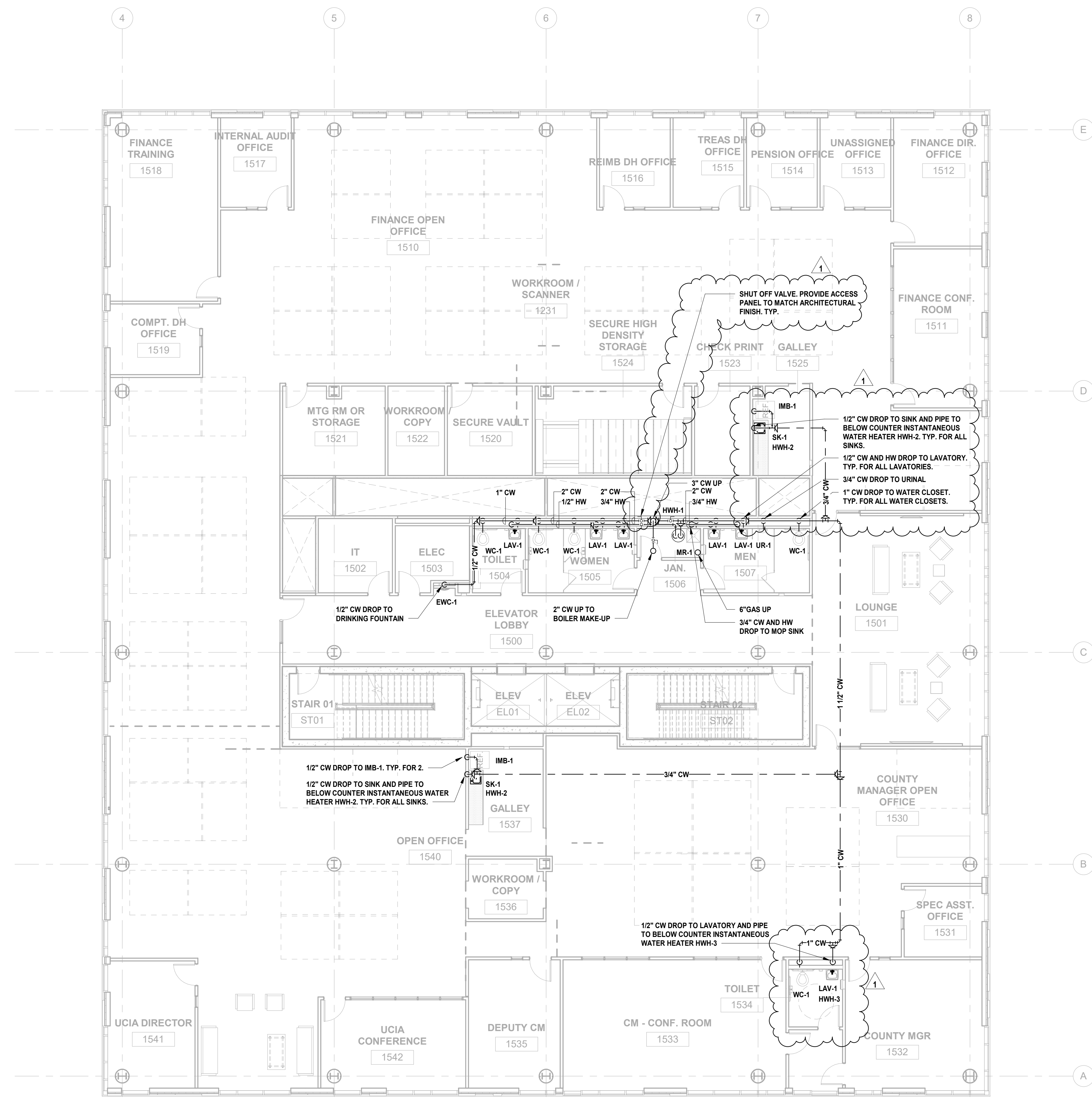
Sheet Name:
BUILDING NO. 1 - LEVEL 4 - DOMESTIC WATER & GAS PLAN

Sheet No:

P-205

1 BUILDING NO. 1 - LEVEL 4 - DOMESTIC WATER & GAS
P-205 SCALE: 1/8" = 1'-0"





1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

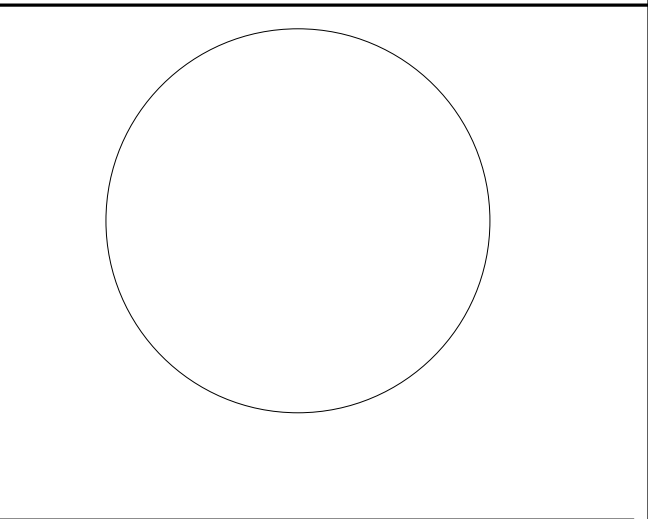
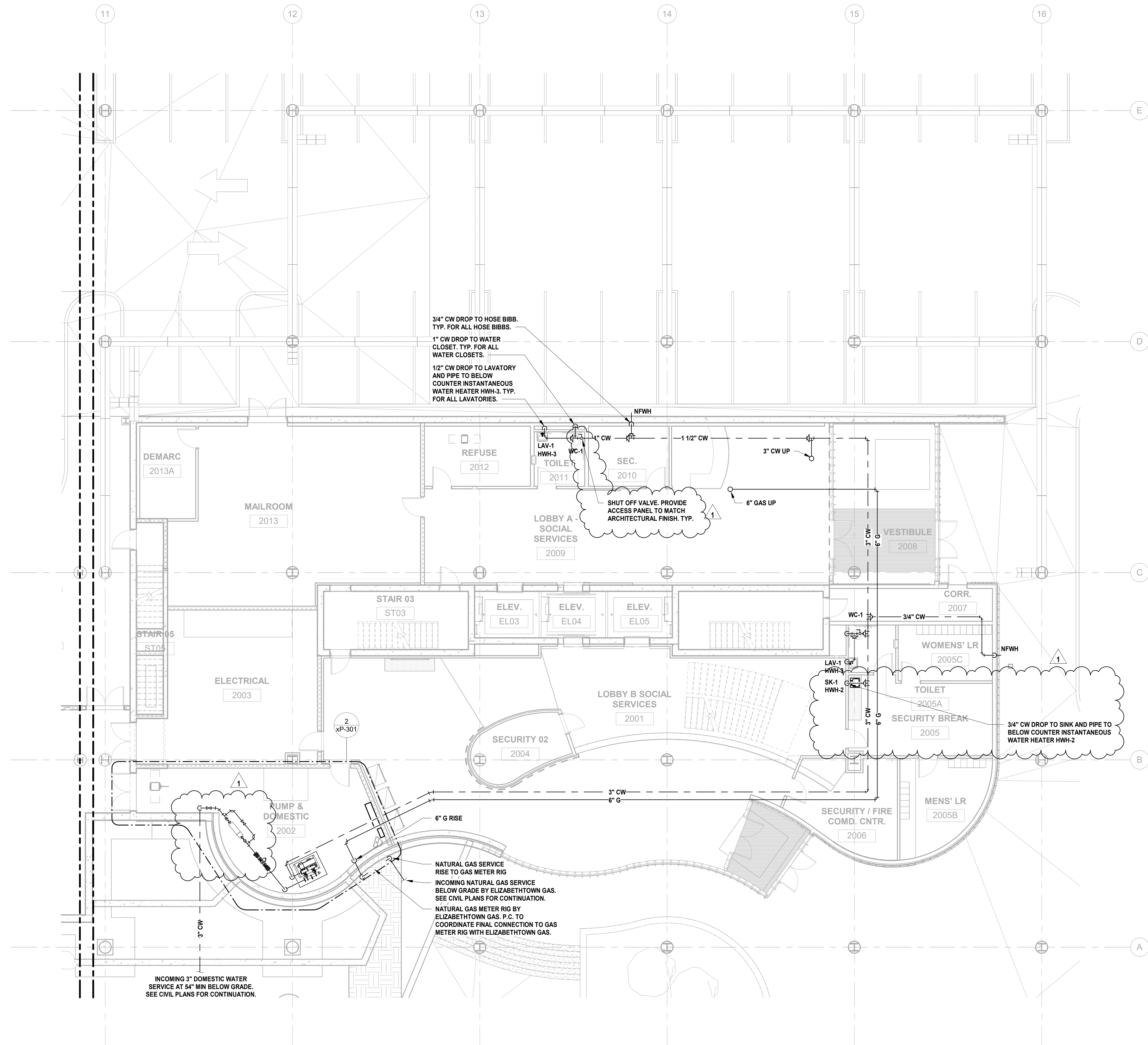
Sheet Name:
BUILDING NO. 1 - LEVEL 5 - DOMESTIC WATER & GAS PLAN

Sheet No:

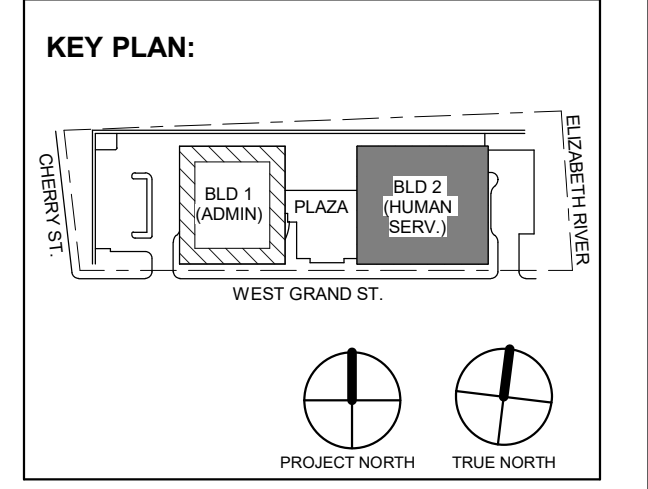
P-206

1 BUILDING NO. 1 - LEVEL 5 - DOMESTIC WATER & GAS
SCALE: 1/8" = 1'-0"





JONATHAN R. MURATORE, P.E.
A PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY
DESIGNED BY: CRG DRAWN BY: CRG CHECKED BY: JRM REVIEWED BY: JRM
PROJECT No: DIGA2301 DATE: 12.01.2023 SCALE: AS SHOWN



No.	Date	Description
1	12.01.2023	Addendum No. 01
2	11.08.2023	For Public Bid

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

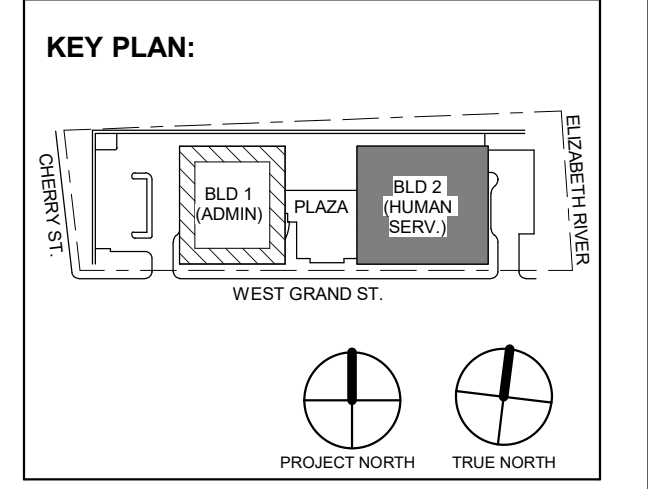
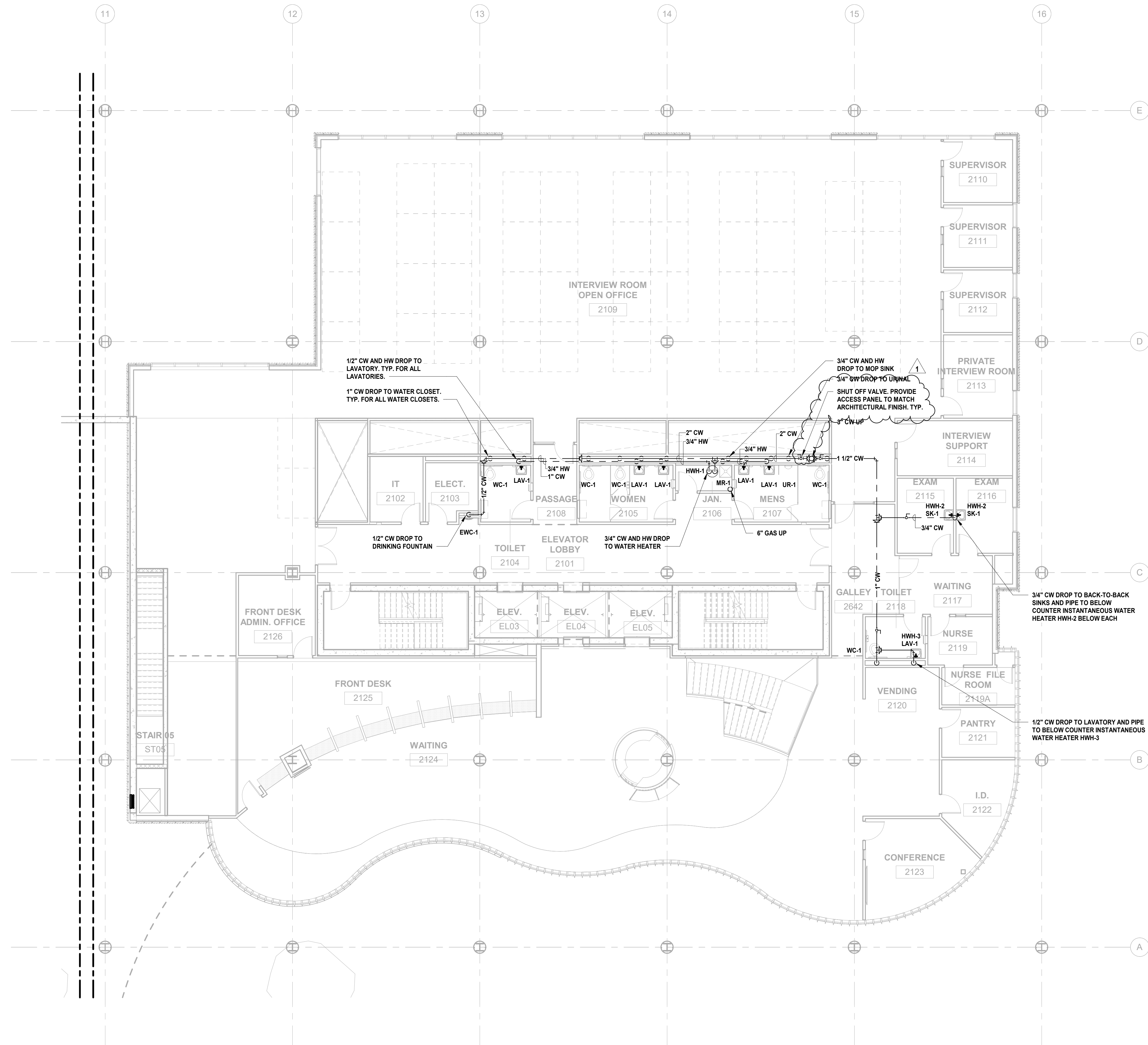
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 2 - LEVEL 0 - DOMESTIC WATER & GAS PLAN

Sheet No:
P-208

1 BUILDING NO. 2 - LEVEL 0 - DOMESTIC WATER & GAS
P-208 SCALE: 1/8" = 1'-0"





1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

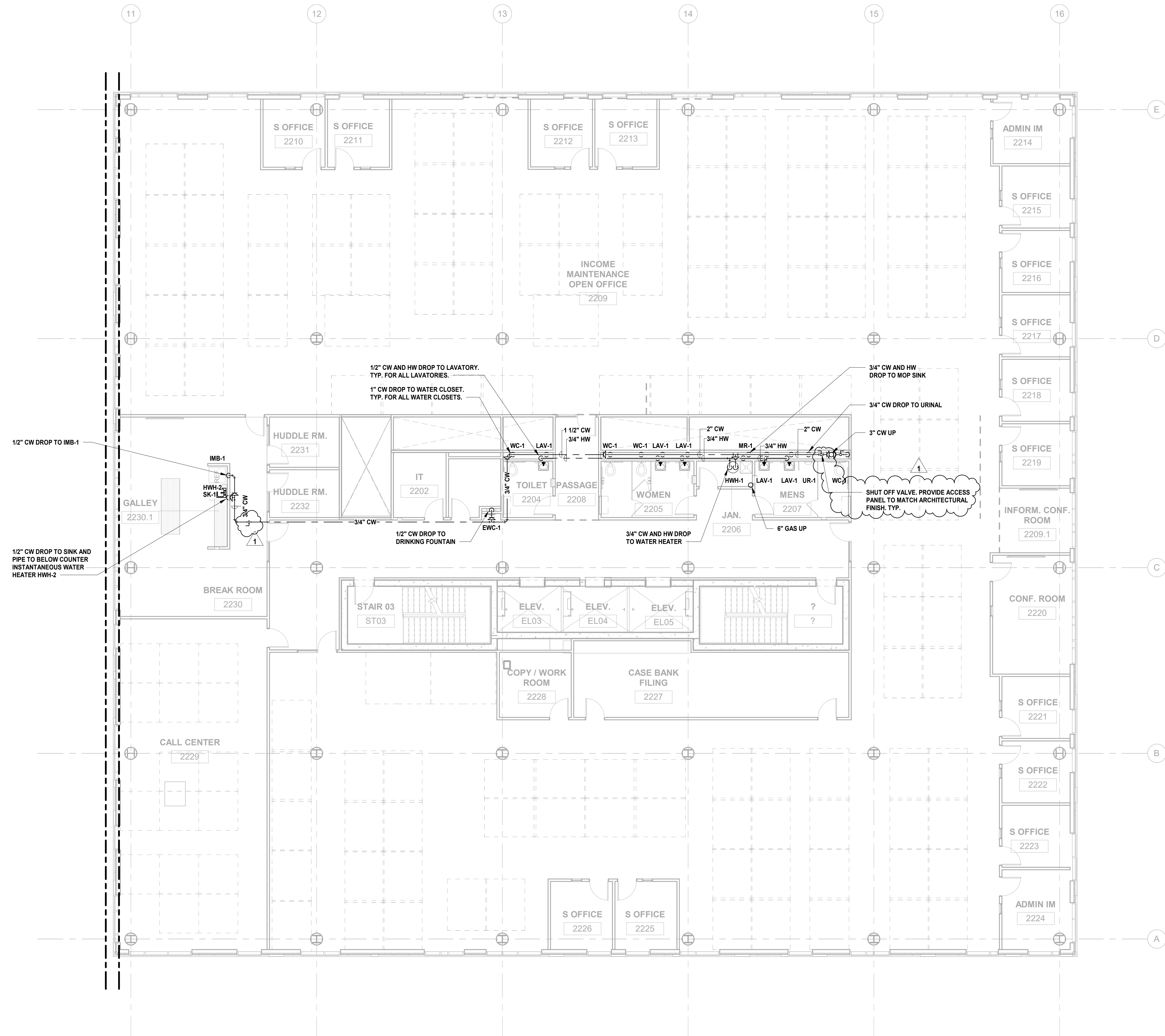
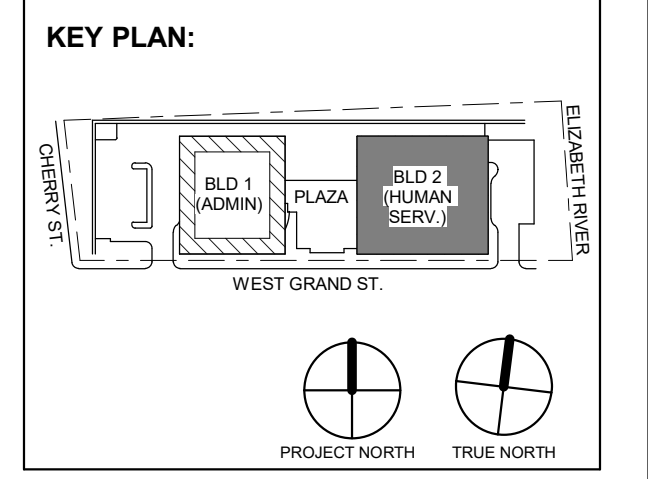
Sheet Name:
BUILDING NO. 2 - LEVEL 1 - DOMESTIC WATER & GAS PLAN

Sheet No:

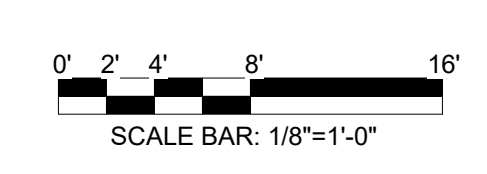
P-209

1 BUILDING NO. 2 - LEVEL 1 - DOMESTIC WATER & GAS
P-209 SCALE: 1/8" = 1'-0"





1 BUILDING NO. 2 - LEVEL 2 - DOMESTIC WATER & GAS
P-210 SCALE: 1/8" = 1'-0"



DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

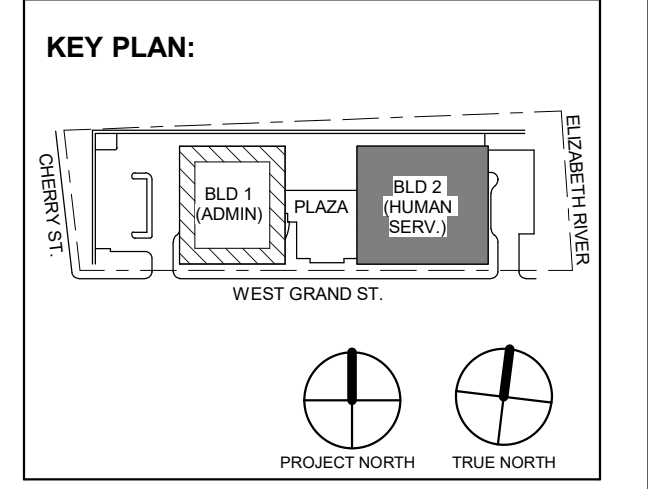
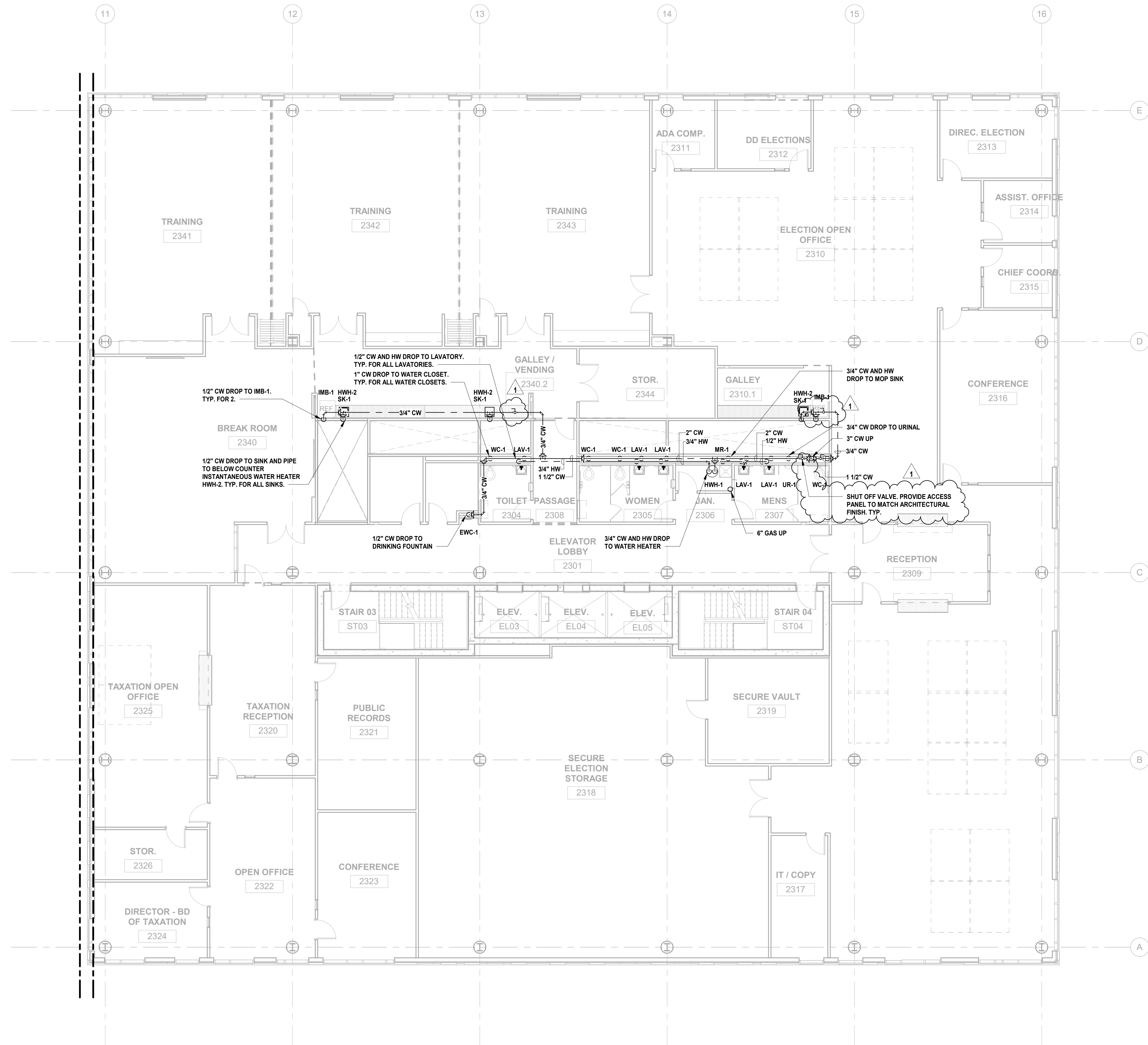
Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JMS/H

Sheet Name:
BUILDING NO. 2 - LEVEL 2 - DOMESTIC WATER & GAS PLAN

Sheet No:

P-210



1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description
Revisions / Issues		

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

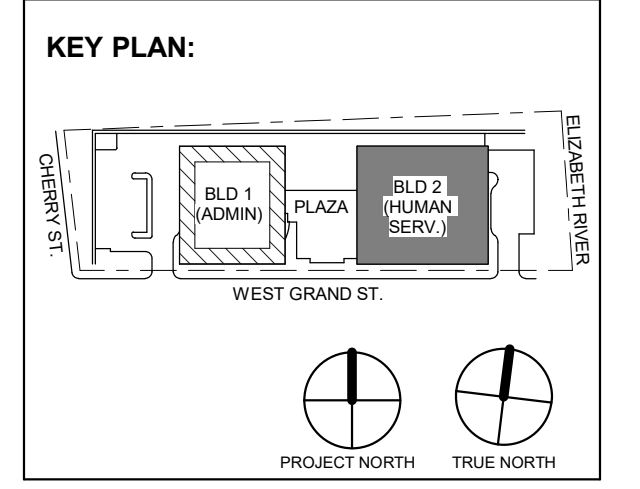
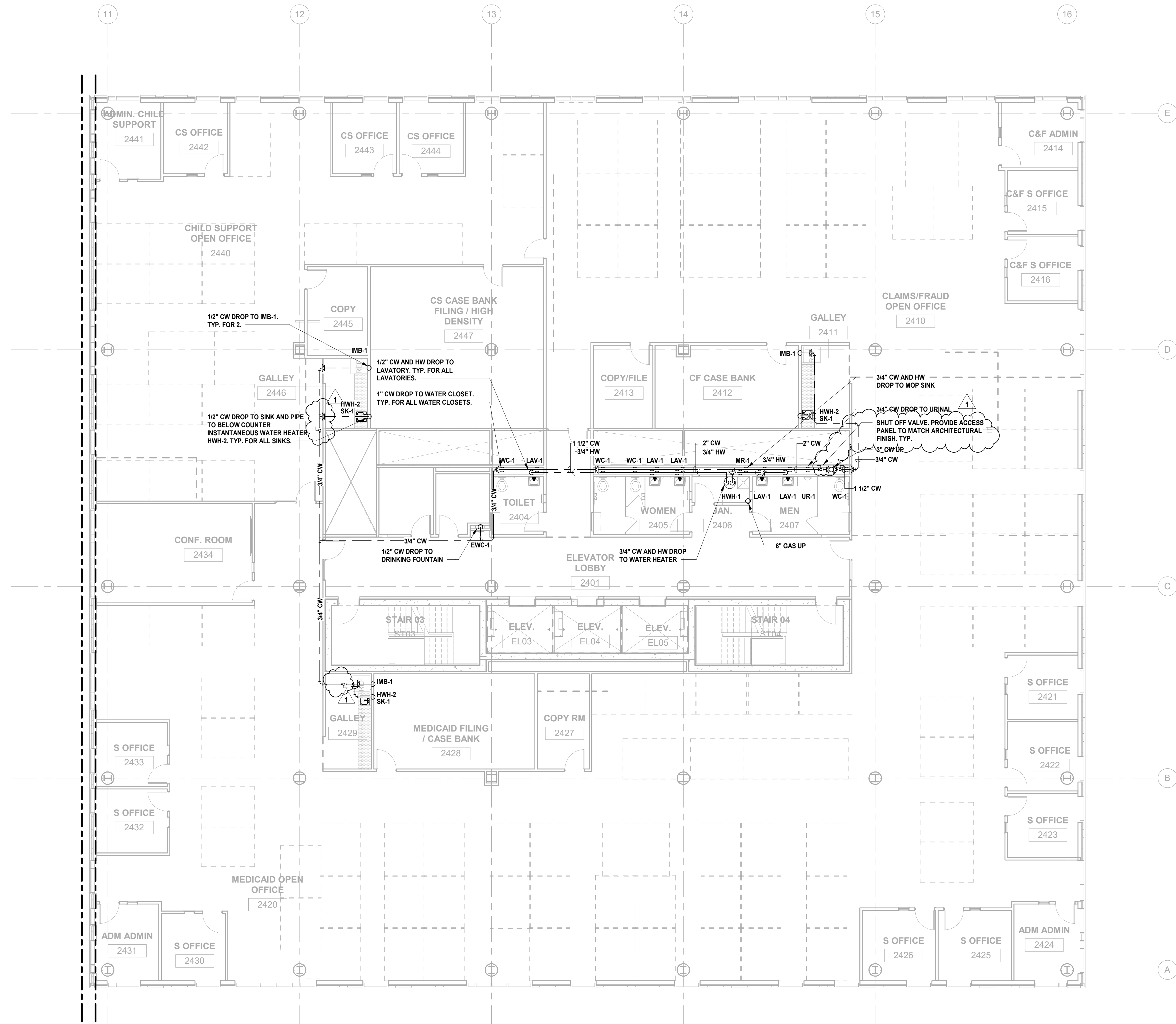
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 2 - LEVEL 3 - DOMESTIC WATER & GAS PLAN

Sheet No:
P-211

1 BUILDING NO. 2 - LEVEL 3 - DOMESTIC WATER & GAS
SCALE: 1/8" = 1'-0"





12/01/2023 Addendum No. 01
11/08/2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

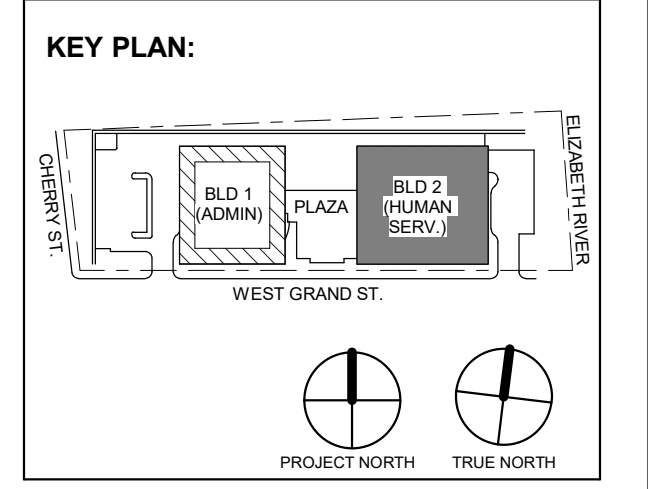
Sheet Name:
BUILDING NO. 2 - LEVEL 4 - DOMESTIC WATER & GAS PLAN

Sheet No:

P-212

1 BUILDING NO. 2 - LEVEL 4 - DOMESTIC WATER & GAS
P-212 SCALE: 1/8" = 1'-0"





1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid
No. Date Description
Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

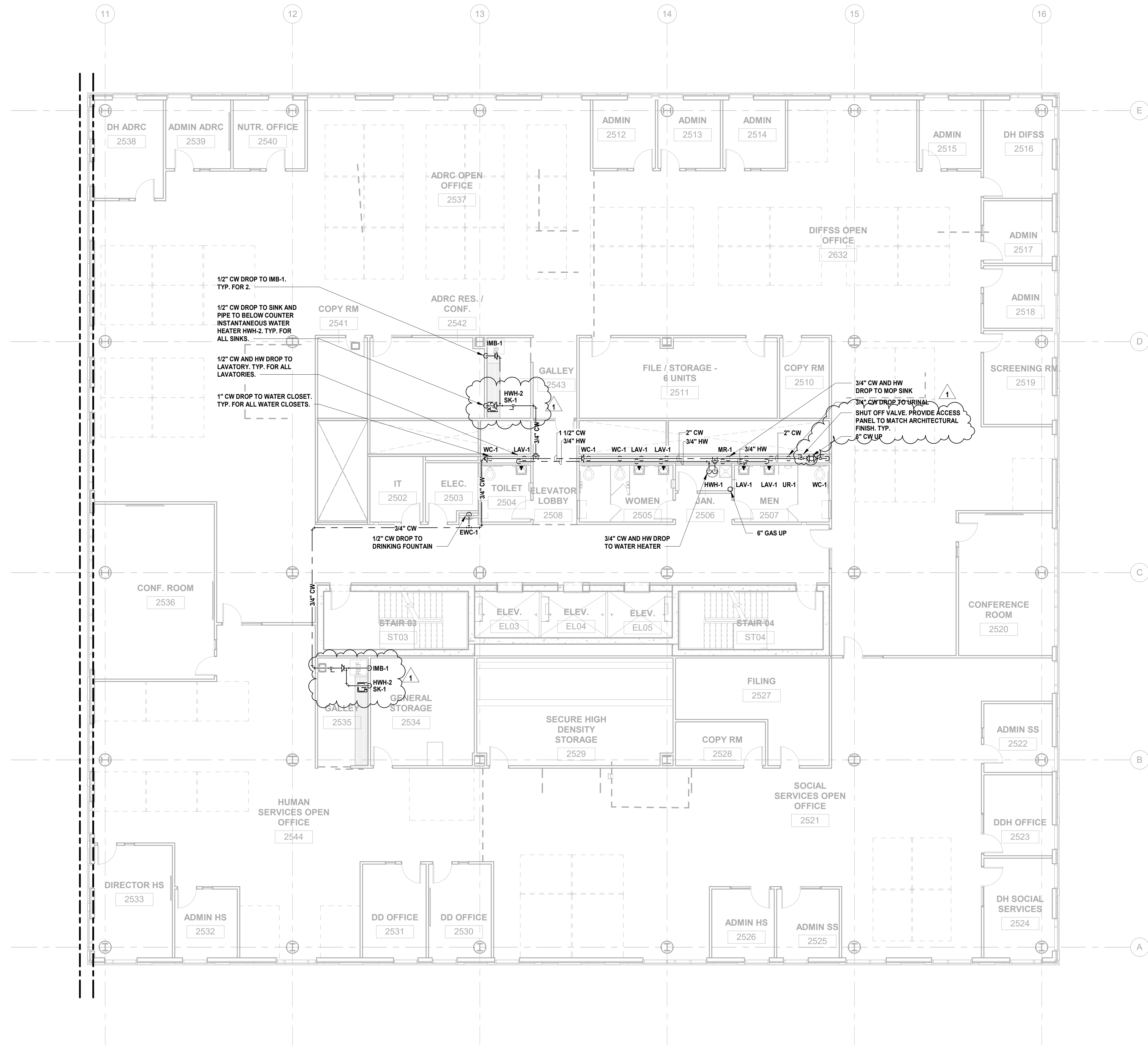
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

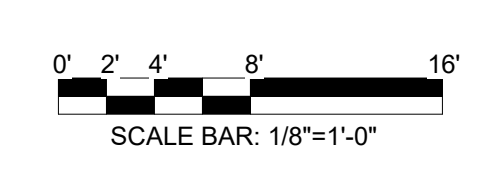
Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/WPC
Checked By: JMSH

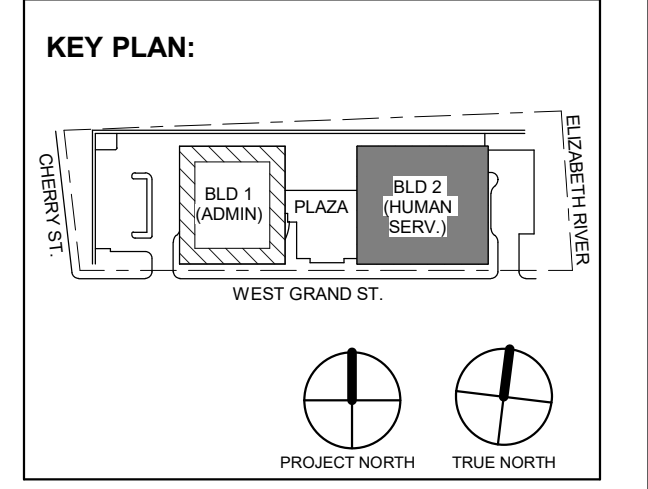
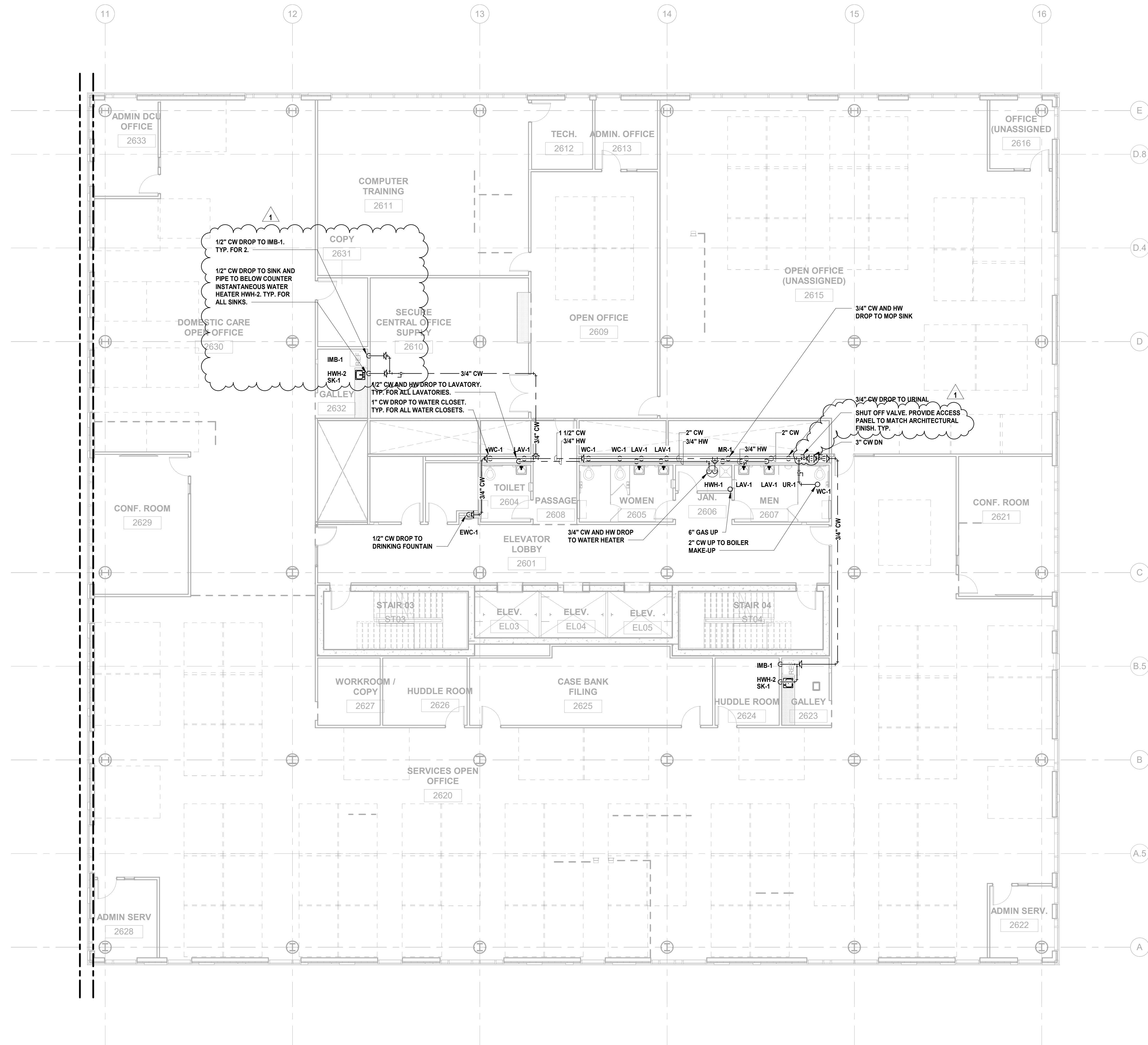
Sheet Name:
BUILDING NO. 2 - LEVEL 5 - DOMESTIC WATER & GAS PLAN

Sheet No:
P-213



1 BUILDING NO. 2 - LEVEL 5 - DOMESTIC WATER & GAS
P-213 SCALE: 1/8" = 1'-0"





12.01.2023 Addendum No. 01
11.08.2023 For Public Bid

No.	Date	Description

Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name:
BUILDING NO. 2 - LEVEL 6 - DOMESTIC WATER & GAS PLAN

Sheet No:
P-214

1 BUILDING NO. 2 - LEVEL 6 - DOMESTIC WATER & GAS
SCALE: 1/8" = 1'-0"

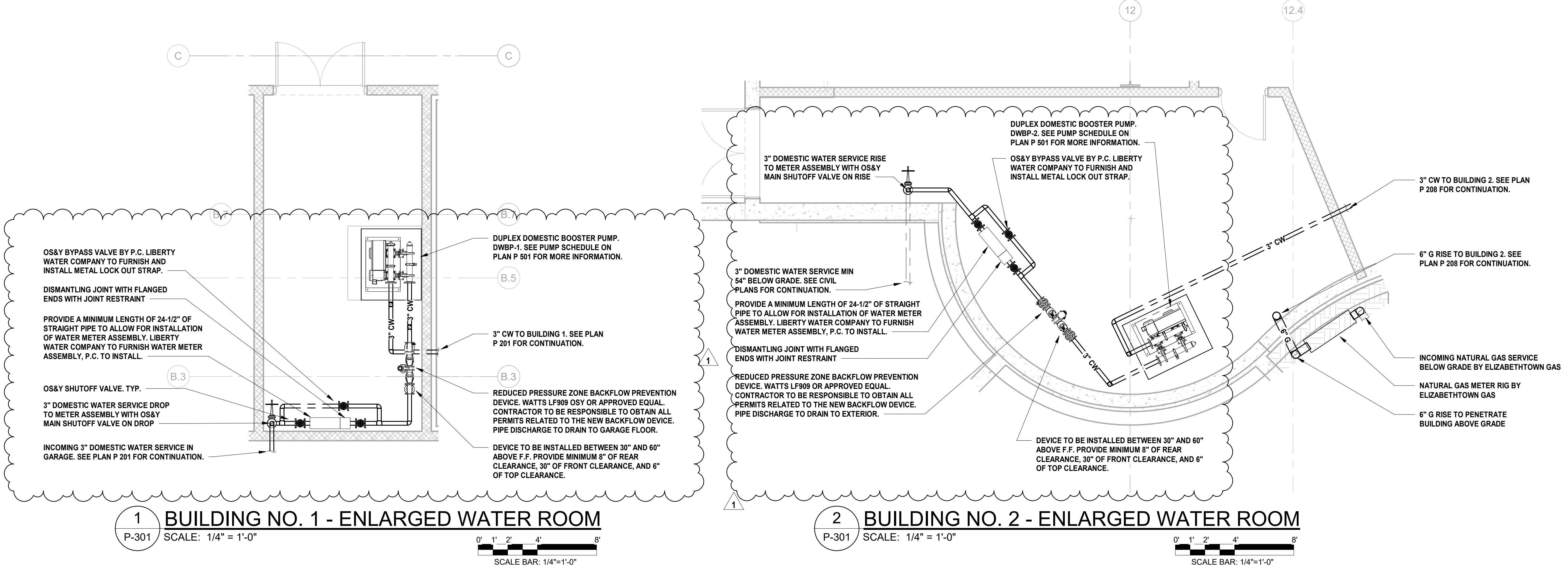


H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 www.h2m.com



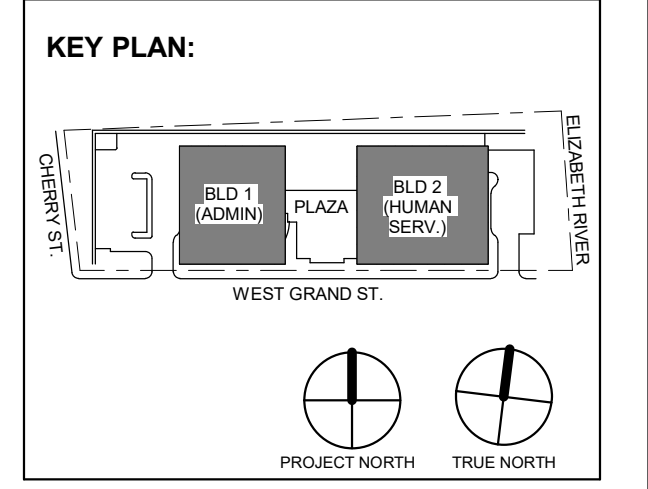
JONATHAN R. MURATORE, P.E.
ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER...

Table with project details: PROJECT No. DIGA2301, DATE: 12.01.2023, SCALE: AS SHOWN



1 BUILDING NO. 1 - ENLARGED WATER ROOM
P-301 SCALE: 1/4" = 1'-0"
SCALE BAR: 1/4"=1'-0"

2 BUILDING NO. 2 - ENLARGED WATER ROOM
P-301 SCALE: 1/4" = 1'-0"
SCALE BAR: 1/4"=1'-0"



Revisions table with columns: No., Date, Description

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

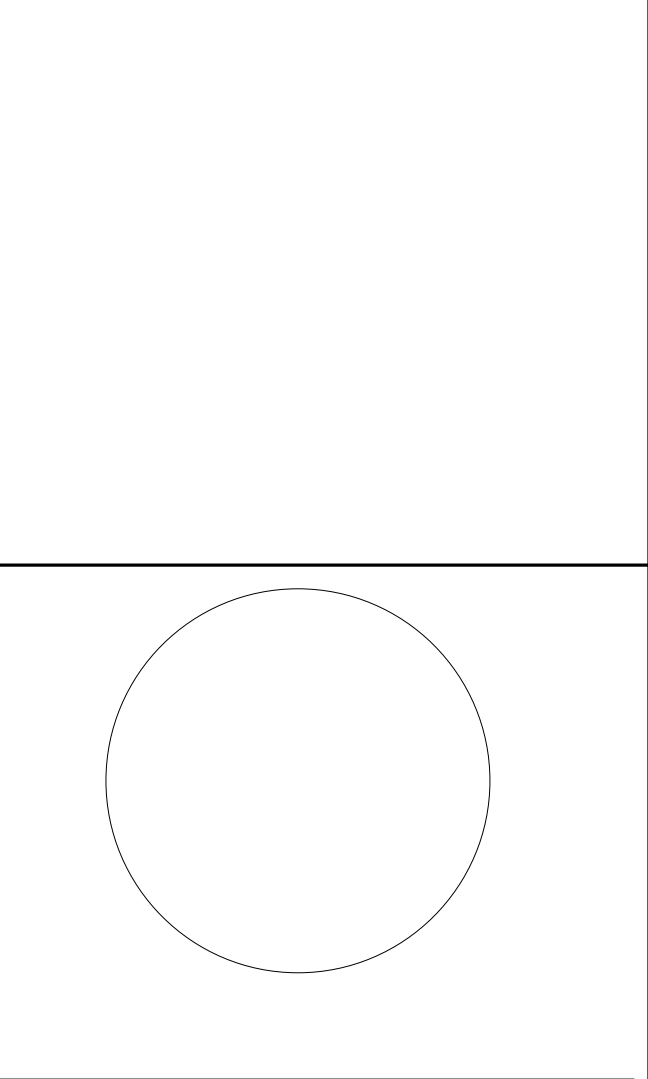
Project: UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JM/SH

Sheet Name: PLUMBING ENLARGED PLANS

Sheet No:

P-301



JONATHAN R. MURATORE, P.E. PROFESSIONAL ENGINEER IN MECHANICAL DESIGN

Table with columns: CRG, CRG, JRM, JRM. Rows: DESIGNED BY, DRAWN BY, CHECKED BY, REVIEWED BY, PROJECT No., DATE, SCALE.

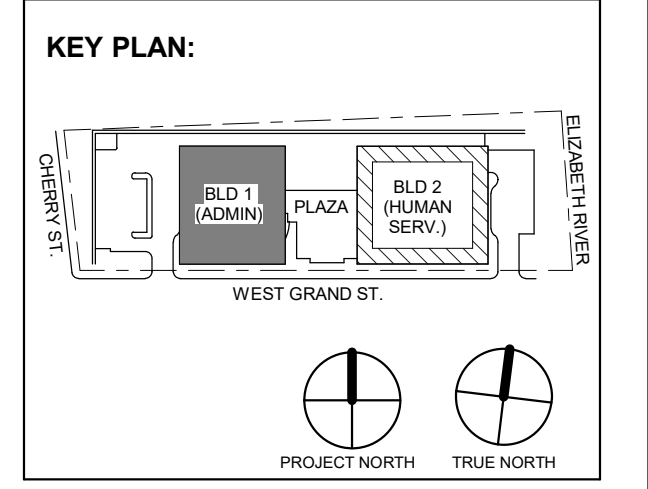
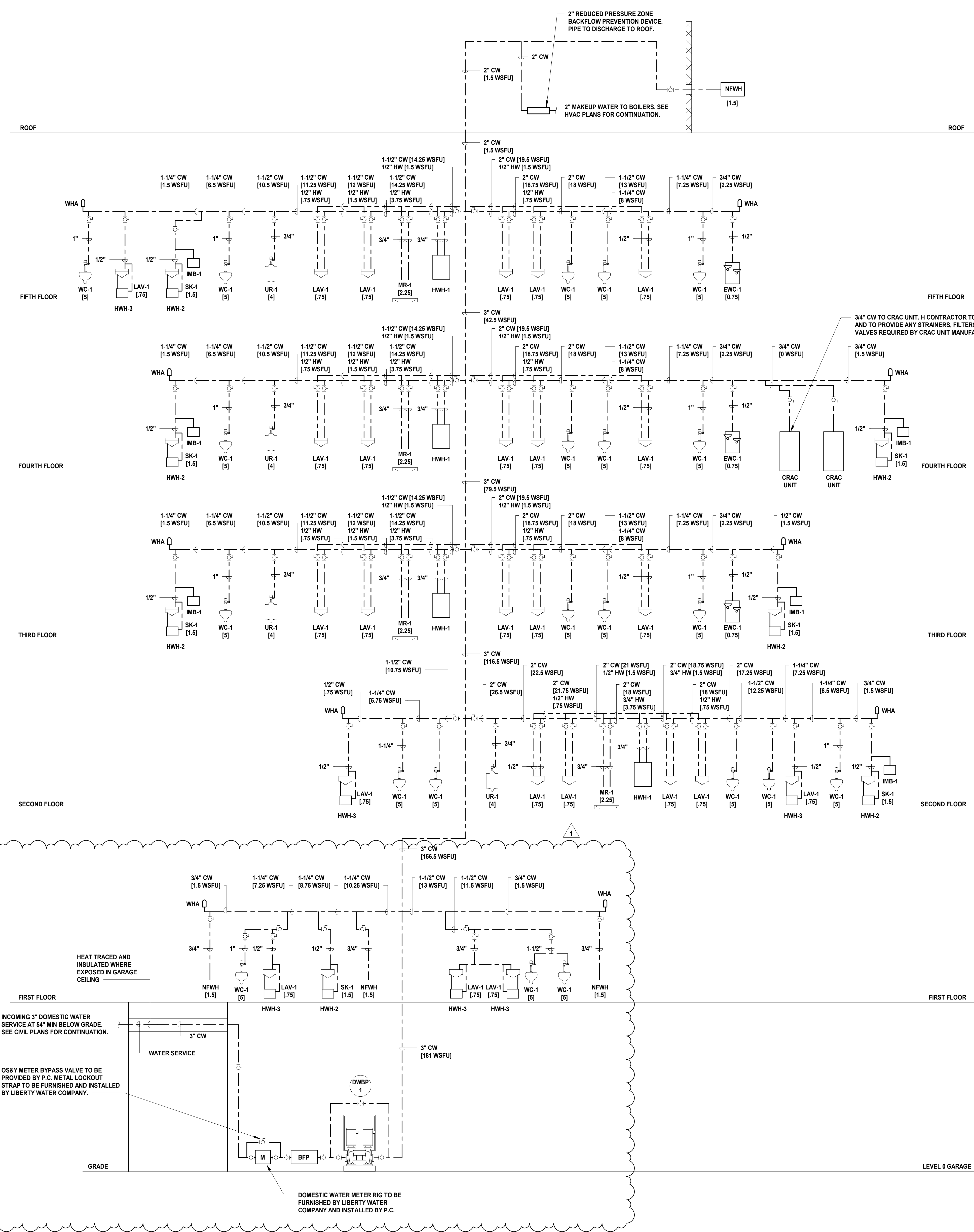


Table with columns: No., Date, Description, Revisions / Issues. Row 1: 1, 12.01.2023, Addendum No. 01, 11.08.2023, For Public Bid.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA N.J. RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

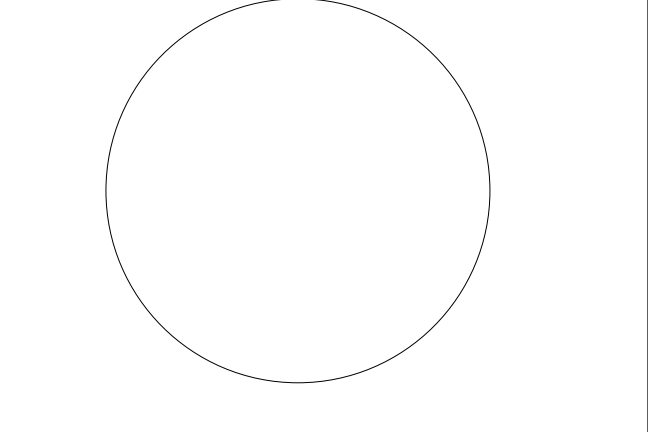
Project: UNION COUNTY GOVERNMENT COMPLEX 91 & 93 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - PLUMBING RISER DIAGRAM - DOMESTIC WATER

Sheet No: P-421

1 BUILDING NO. 1 - DOMESTIC RISER DIAGRAM P-421 SCALE: N.T.S.



JONATHAN R. MURATORE, P.E.

ALTERNATE OF THE DOCUMENT EXCEPT BY LICENSED PROFESSIONAL ENGINEER.

DESIGNED BY: CRG DRAWN BY: CRG CHECKED BY: JRM REVIEWED BY: JRM

PROJECT NO: DIGA2301 DATE: 12.01.2023 SCALE: AS SHOWN

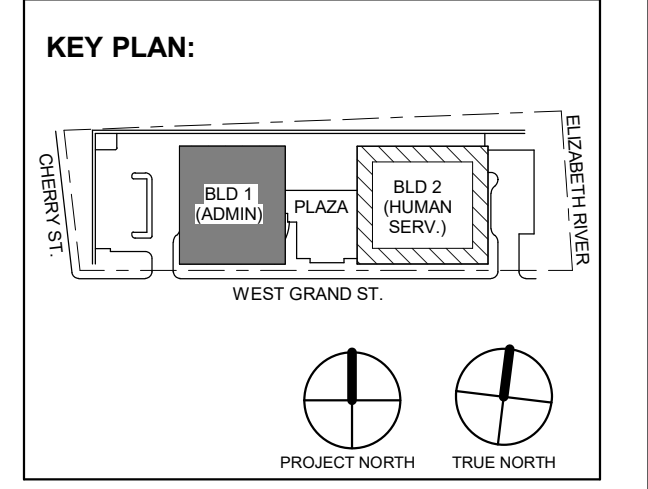


Table with 3 columns: No., Date, Description. Revisions / Issues.

DIGroupArchitecture ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

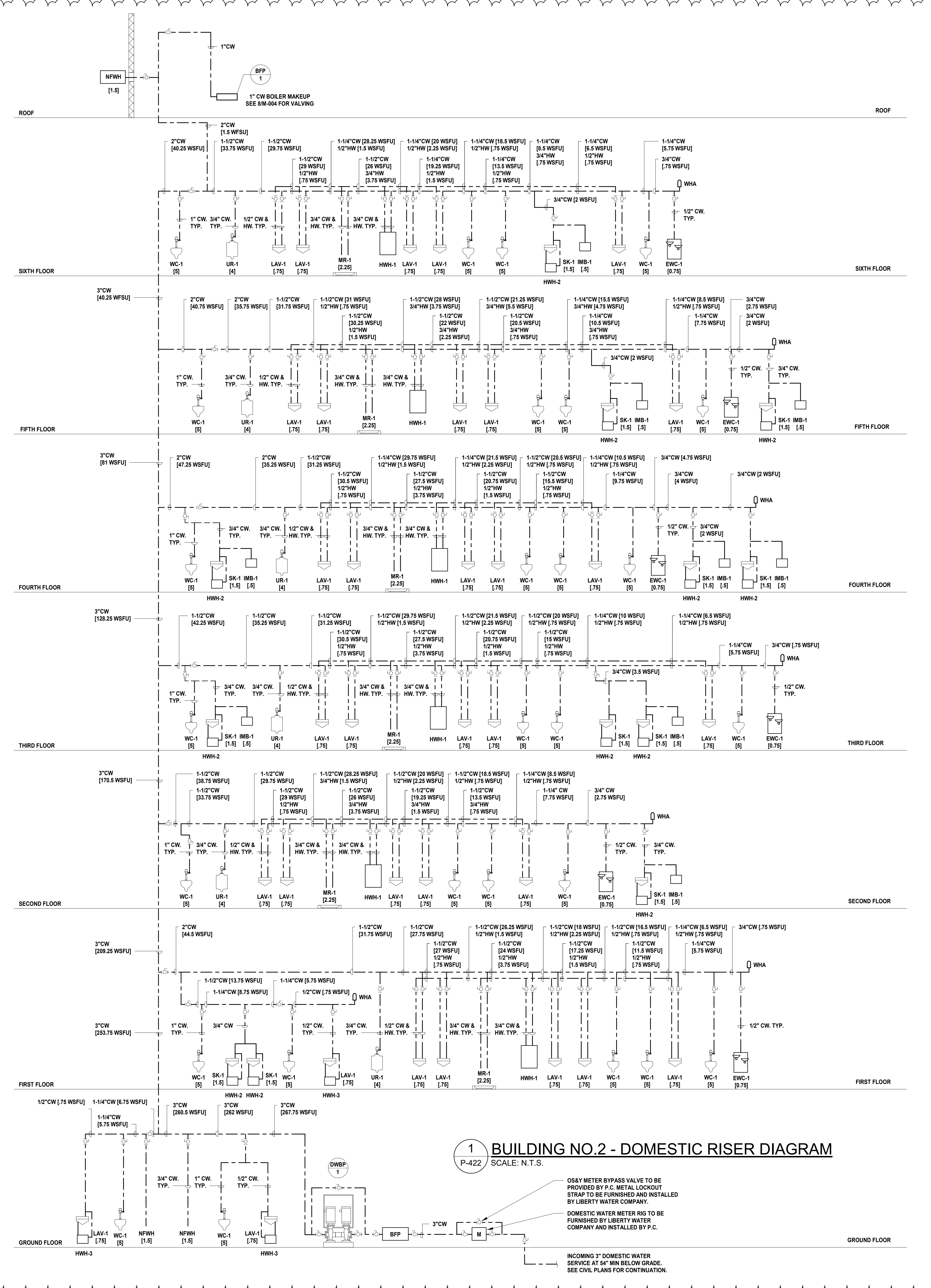
Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/AVPC Checked By: JM/SH

Sheet Name: BUILDING NO. 2 - PLUMBING RISER DIAGRAM - DOMESTIC WATER

Sheet No: P-422

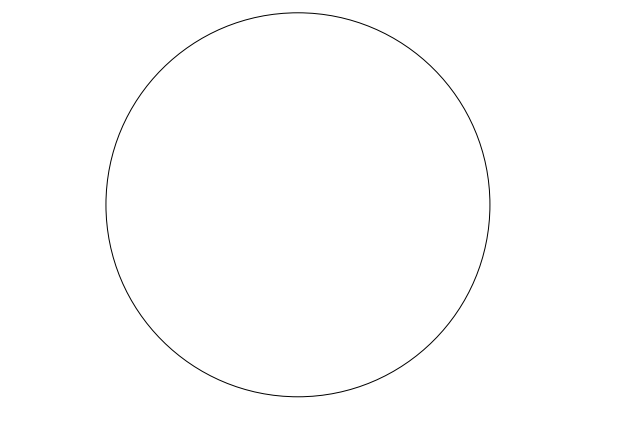


1 BUILDING NO. 2 - DOMESTIC RISER DIAGRAM SCALE: N.T.S.

OSBY METER BYPASS VALVE TO BE PROVIDED BY C. METAL LOCKOUT STRAP TO BE FURNISHED AND INSTALLED BY LIBERTY WATER COMPANY.

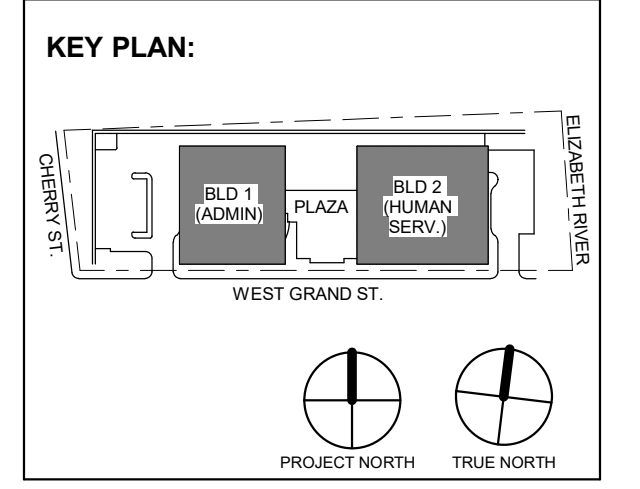
DOMESTIC WATER METER RIG TO BE FURNISHED BY LIBERTY WATER COMPANY AND INSTALLED BY P.C.

INCOMING 3" DOMESTIC WATER SERVICE AT 54" MIN BELOW GRADE. SEE CIVIL PLANS FOR CONTINUATION.



JONATHAN R. MURATORE, P.E.
A PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY

ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT.
DESIGNED BY: [] DRAWN BY: [] CHECKED BY: [] REVIEWED BY: []
PROJECT No: **DIG-A2301** DATE: **12.01.2023** SCALE: **AS SHOWN**



PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	BASIS OF DESIGN MANUFACTURER AND MODEL	APPLICABLE STANDARD	MATERIAL	MOUNTING AND OUTLET	DIMENSIONS	RIM HEIGHT	FAUCETS, FITTINGS AND ACCESSORIES	BASIS
RD-1	COMBINATION MAIN ROOF AND OVERFLOW DRAIN	ZURN Z163-E	-	CAST IRON	ROOF MOUNTED	48" X 24" DECK PLATE	-	-	-
RD-2	COMBINATION MAIN ROOF AND OVERFLOW DRAIN (LOW PROFILE)	ZURN Z164-E	-	CAST IRON	ROOF MOUNTED	40" X 20" DECK PLATE	-	-	-
RD-3	MAIN ROOF DRAIN	ZURN Z121	-	CAST IRON	ROOF MOUNTED	12" DIAMETER DOME STRAINER	-	-	-
AD-1	AREA DRAIN	ZURN Z682	-	CAST IRON	FLOOR MOUNTED	16" FLAT SQUARE STRAINER	-	-	-
FD-1	FLOOR DRAIN	ZURN Z419B	-	CAST IRON	FLOOR MOUNTED	8" FLAT CIRCULAR STRAINER	-	-	-
FD-2	FLOOR DRAIN WITH FUNNEL STRAINER	ZURN Z415E	-	CAST IRON	FLOOR MOUNTED	8" CIRCULAR STRAINER WITH 4" DIAMETER FUNNEL	-	-	-
NFWH	NON-FREEZE WALL HYDRANT	ZURN Z1320XL-EZ	ASSE 1019	BRASS	WALL MOUNTED	10.5" X 5.25"	-	1. PROVIDE 4" DEEP SEAL TRAP OR TRAP PRIMER	INTEGRAL BACKFLOW PREVENTER SELF DRAINING LEAD FREE
WC-1	WALL-MOUNTED ELONGATED HIGH EFFICIENCY, LOW CONSUMPTION WATER CLOSET WITH SENSOR FLUSH	ZURN Z5615-BWL-HET	ASME A112.19.2M	VITREOUS CHINA	WALL-MOUNTED BACK-OUTLET	25" x 14" x 15"	15"	1. SENSOR FLUSH VALVE: ZURN ZTR6200-EV BATTERY POWERED EXPOSED, CHROME PLATED 2. SEATS: "OLSONITE", "BEMIS" OR "CHURCH" OPEN FRONT, LESS COVER, COMMERCIAL GRADE WICHECK HINGE. 3. SUPPLY: CHROME-PLATED BRASS, 1-1/2" TOP INLET SPUD. 4. CARRIER: J.R. SMITH (SINGLE OR BACK-TO-BACK)	DESIGN CONSUMPTION: 1.28 GPF PRESSURE RANGE 25 PSI, FLUSHING DIRECT-FED SIPHON JET FLUSH ACTION. COLOR: WHITE BOLT CAPS
WC-2	WALL-MOUNTED ELONGATED HIGH EFFICIENCY, LOW CONSUMPTION WATER CLOSET WITH SENSOR FLUSH - ADA	ZURN Z5615-BWL-HET	ASME A112.19.2M ADA	VITREOUS CHINA	WALL-MOUNTED BACK-OUTLET	25" x 14" x 15"	ADA 17"-19"	1. SENSOR FLUSH VALVE: ZURN ZTR6200-EV BATTERY POWERED EXPOSED, CHROME PLATED 2. SEATS: "OLSONITE", "BEMIS" OR "CHURCH" OPEN FRONT, LESS COVER, COMMERCIAL GRADE WICHECK HINGE. 3. SUPPLY: CHROME-PLATED BRASS, 1-1/2" TOP INLET SPUD. 4. CARRIER: J.R. SMITH (SINGLE OR BACK-TO-BACK)	DESIGN CONSUMPTION: 1.28 GPF PRESSURE RANGE 25 PSI, FLUSHING DIRECT-FED SIPHON JET FLUSH ACTION. COLOR: WHITE BOLT CAPS
UR-1	URINAL SENSOR FLUSH	ZURN Z5755-U	ASME A112.19.2	VITREOUS CHINA	WALL-MOUNTED BACK-OUTLET	26.625" HIGH	SEE ARCHITECTURAL ELEVATIONS	1. SENSOR FLUSH-VALVE: ZURN ZTR6200-EVMS BATTERY POWERED EXPOSED, CHROME PLATED 2. SUPPLY: CHROME-PLATED, 3/4" TOP INLET 3. CARRIER: ZURN Z1222 PLATE TYPE SYSTEM	DESIGN CONSUMPTION: 0.50 GPF COLOR: WHITE
LAV-1	LAVATORY W/ SENSOR OPERATED FAUCET	ZURN Z5341 (SINGLE HOLE)	ASME A112.19.2M FAUCET ASME A112.18.1M	VITREOUS CHINA	WALL MOUNTED	20"x18"	SEE ARCHITECTURAL ELEVATIONS	1. FAUCET: ZURN MODEL Z5950-XL-S-TMV-1 SELF-SUSTAINING, BATTERY POWERED SENSOR FAUCET W/ OPTIONAL MIXING VALVE SET TO 110°F. 2. DRAIN: ZURN MODEL Z5745-PC OFFSET LAVATORY STRAINER, CHROME OPEN GRID STRAINER. 3. TRAP: KEENEY 306CP CHROME PLATED BRASS P-TRAP W/CLEANOUT. 4. STOPS: BRASS CRAFT OCR19 R 1/2" X 3/8" COMPRESSION. 5. CONNECTORS: FLUIDMASTER 3/8" COMPRESSION X 1/2" FIP, NOMINAL LENGTH - 12". 6. ADA SKIRT: TRUEBRO LAV SHIELD.	FRONT OVERFLOW 0.5 GPM PRESSURE COMPENSATING OUTLET HANGER PLATE & HOLES FOR CONCEALED ARM CARRIER COLOR: WHITE THERMOSTATIC MIXING VALVE
SK-1	PANTRY SINK	DAYTON GE12521 (3-HOLE)	ANSI A112.19.3 FAUCET ASME A112.18.1M	STAINLESS STEEL TYPE 300 SERIES 22 GAUGE MIN	TOP MOUNT	25"x21.25"x5.375"	-	1. FAUCET: ZURN MODEL Z31B4XL CHROME GOOSENECK SPOUT W/4"COLOR CODED WRIST BLADE HANDLES. 2. DRAIN: DEARBORN BRASS MODEL 14 LOCKING CUP SINK BASKET STRAINER, CHROME PLATED SS BODY, SS BASKET. 3. TRAP: KEENEY 306CP CHROME PLATED BRASS P-TRAP W/CLEANOUT. 4. STOPS: BRASS CRAFT OCR19 R 1/2" X 3/8" COMPRESSION. 5. CONNECTORS: FLUIDMASTER 3/8" COMPRESSION X 1/2" FIP, NOMINAL LENGTH - 12".	1.0 GPM FLOW RESTRICTOR WATER SENSE LABELED THERMOSTATIC MIXING VALVE
MR-1	MOP SINK	FIAT MOP SERVICE BASIN MODEL TSB200	ANSI A112.19.3 FAUCET ASME A112.18.1M	TERRAZZO	FLOOR MOUNT	24" X 24" X 12" H	-	1. FAUCET: ZURN Z843M1-RC CHROME PLATED W/VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE AND PAIL HOOK 2. DRAIN: INTEGRALLY CAST STAINLESS STEEL, 3" CONNECTION W/ MODEL QDC32 3" QUICK DRAIN CONNECTOR 3. ACCESSORIES: 24" WALL GUARD, HOSE & BRACKET COMBINATION, MOP HANGER BRACKET	1.5 GPM FLOW
EWC	ELECTRIC BI-LEVEL WATER COOLER & BOTTLE FILLING STATION	MURDOCK A17240BS-BF12	NSF/ANSI 61 & 372	STAINLESS STEEL	SURFACE MOUNTED BI-LEVEL	37" X 18.5"	SEE ARCHITECTURAL PLANS	8.0 GPH OF 50°F DRINKING WATER AT 90° AMBIENT AND 80°F INLET WATER. PUSH BUTTON OPERATED BOTTLE FILLER. INCLUDE 1500 GALLON CAPACITY FILTER, CERTIFIED TO NSF/ANSI 42 AND 53.	-

DOMESTIC WATER BOOSTER PUMP SCHEDULE

SYMBOL	LOCATION	GPM	INLET WATER PRESSURE (PSIG)	OUTLET WATER PRESSURE (PSIG)	INLET / OUTLET	ELECTRICAL			BASIS OF DESIGN		REMARKS
						MOTOR HP @ RPM	V/PH/Hz	FLA	MANUFACTURER	MODEL NUMBER	
DWBP-1	WATER ROOM	87	39	86	3" / 3"	QTY (2) 5.0 @ 3,600	460/60/3	7.6	SYNCRIFLO	#22DC05XXX-3H-XX-SWF44-1	FACTORY SKID MOUNTED WITH CONTROL PANEL AND HEADER. INSTALL ON 4" HOUSEKEEPING PAD. EXTEND PAD A MINIMUM 6" ON ALL SIDES OF EQUIPMENT.
DWBP-2	WATER ROOM	100	39	86	3" / 3"	QTY (2) 5.0 @ 3,600	460/60/3	7.6	SYNCRIFLO	#22DC05XXX-3H-XX-SWF44-1	FACTORY SKID MOUNTED WITH CONTROL PANEL AND HEADER. INSTALL ON 4" HOUSEKEEPING PAD. EXTEND PAD A MINIMUM 6" ON ALL SIDES OF EQUIPMENT.

GAS REGULATOR SCHEDULE

SYMBOL	LOCATION	CAPACITY AT INLET (CFH)	INLET PRESSURE	OUTLET PRESSURE
REG-1	BOILERS	2,500-3,000	1-2 PSIG	11" WC
REG-2	RTU'S	600-800	1-2 PSIG	8" WC
REG-3	GEN-1	10,109	1-2 PSIG	1 PSIG
REG-4	GEN-2	12,626	1-2 PSIG	1 PSIG

NOTES:
1. ALL REGULATORS TO BE LOCK-UP TYPE
2. BASIS OF DESIGN FOR REGULATORS TO BE PIETRO FIORENTINI "GOVERNOR"

ELEVATOR SUMP PUMP SCHEDULE

SYMBOL	LOCATION	GPM	HEAD (FT.)	DISCHARGE OUTLET	ELECTRICAL			BASIS OF DESIGN		REMARKS
					MOTOR HP @ RPM	V/PH/Hz	FLA	MANUFACTURER	MODEL NUMBER	
SP-1	ELEVATOR	50	22	2"	0.5 @ 3,450	115/1/60	10.5	ZOELLER	940-0013	SIMPLEX PUMP WITH DIELECTRIC OIL SENSOR, PUMP SWITCH, AND CONTROL PANEL WITH AUDIBLE ALARM. CONCRETE BASIN OPENING BY G.C.

ELECTRIC DOMESTIC HOT WATER HEATER SCHEDULE

SYMBOL	LOCATION	CAPACITY (GALLONS)	WATER ENT (°F)	WATER LVG (°F)	RECOVERY (GPH)	TEMP RISE (°F)	ELCTRICAL		OPER WEIGHT (LBS)	WATER HEATER BASIS OF DESIGN		MIXING VALVE BASIS OF DESIGN		EXPANSION TANK BASIS OF DESIGN	
							KW	V/PH/Hz		MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER
HWH-1	MAIN TOILET ROOMS...	15	40	140	12	100	3	120/1/60	183	A. O. SMITH	DEL-15S-3	WATTS	LFSH1434	AMTROL	ST-5C
HWH-2	SINGLE SINK UNDERCOUNTER	-	40	101	-	61°F @ 1.5 GPM	13.3	208/1/60	-	EEMAX	PRO18240	-	-	-	-
HWH-3	SINGLE LAVATORY UNDERCOUNTER	-	40	81	-	41°F @ 0.5 GPM	3	208/1/60	-	EEMAX	SPEX3208	-	-	-	-

1 12.01.2023 Addendum No. 01
11.08.2023 For Public Bid
No. Date Description
Revisions / Issues

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

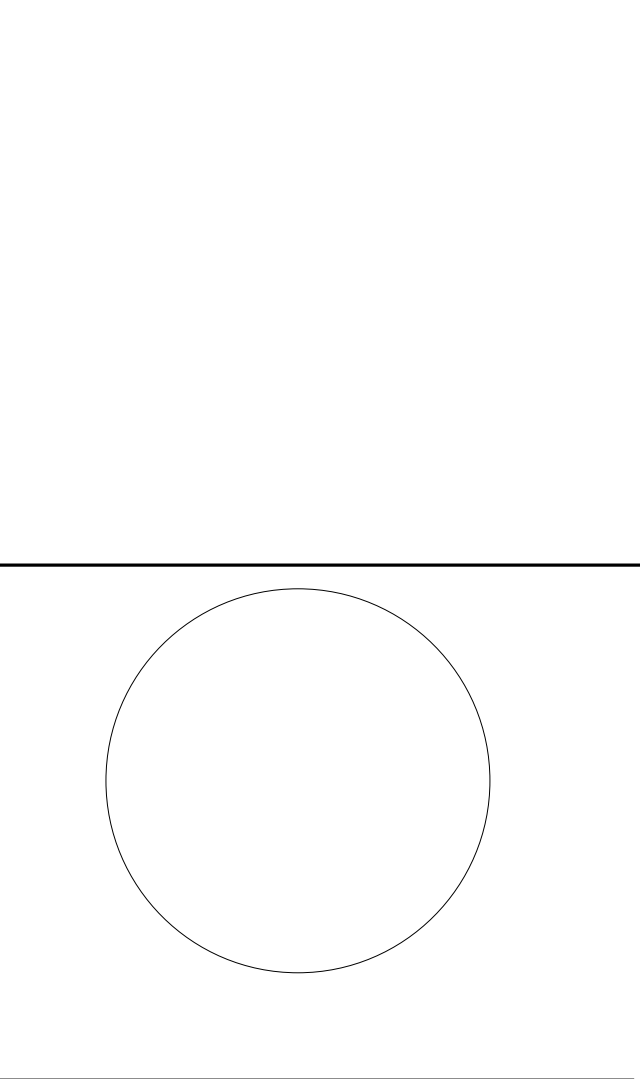
Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JMSH

Sheet Name:
PLUMBING SCHEDULES

Sheet No:
P-501

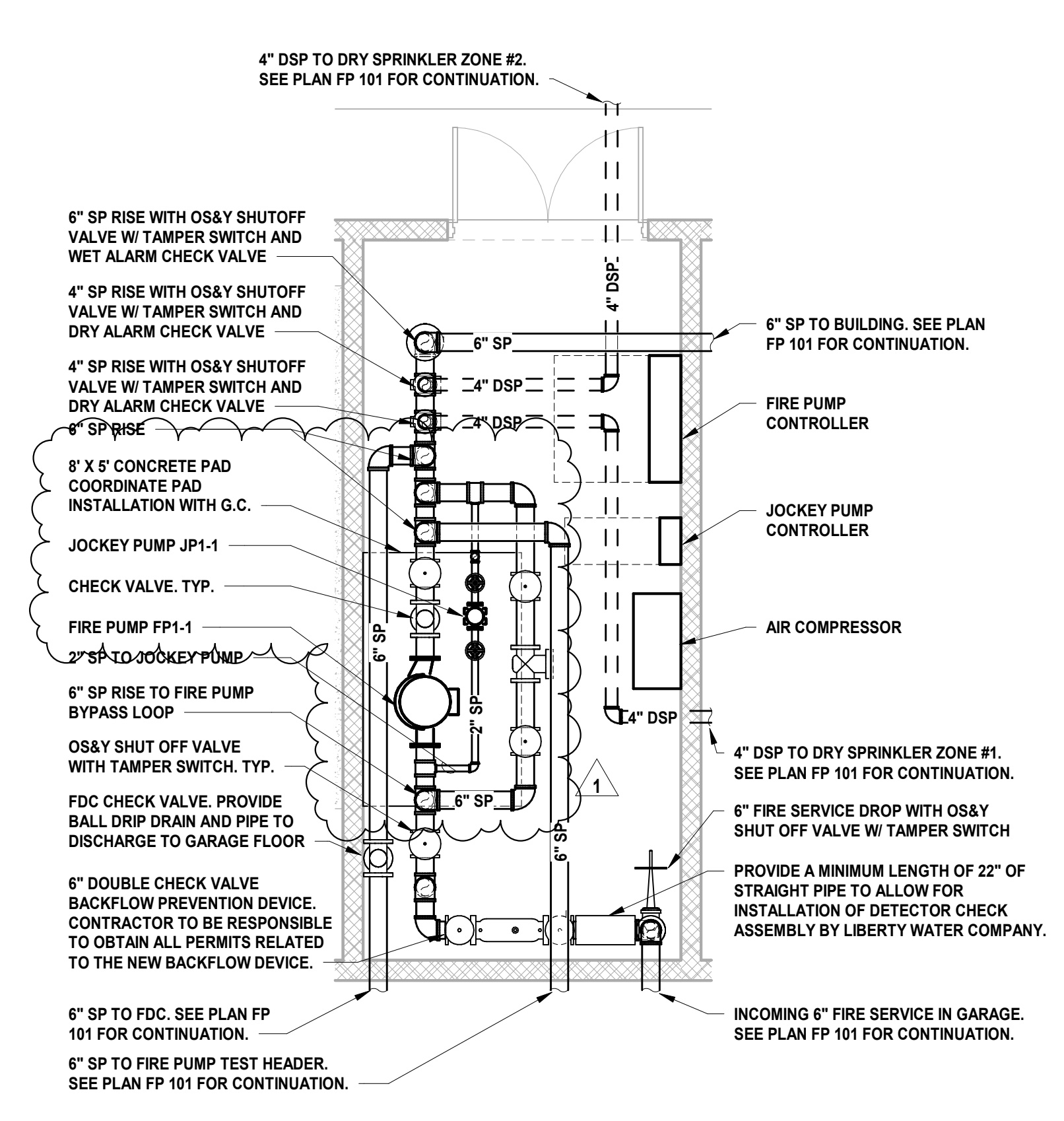


JONATHAN R. MURATORE, P.E. ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY OR AN EQUAL OR SUPERIOR LICENSED PROFESSIONAL ENGINEER IN ANOTHER STATE.

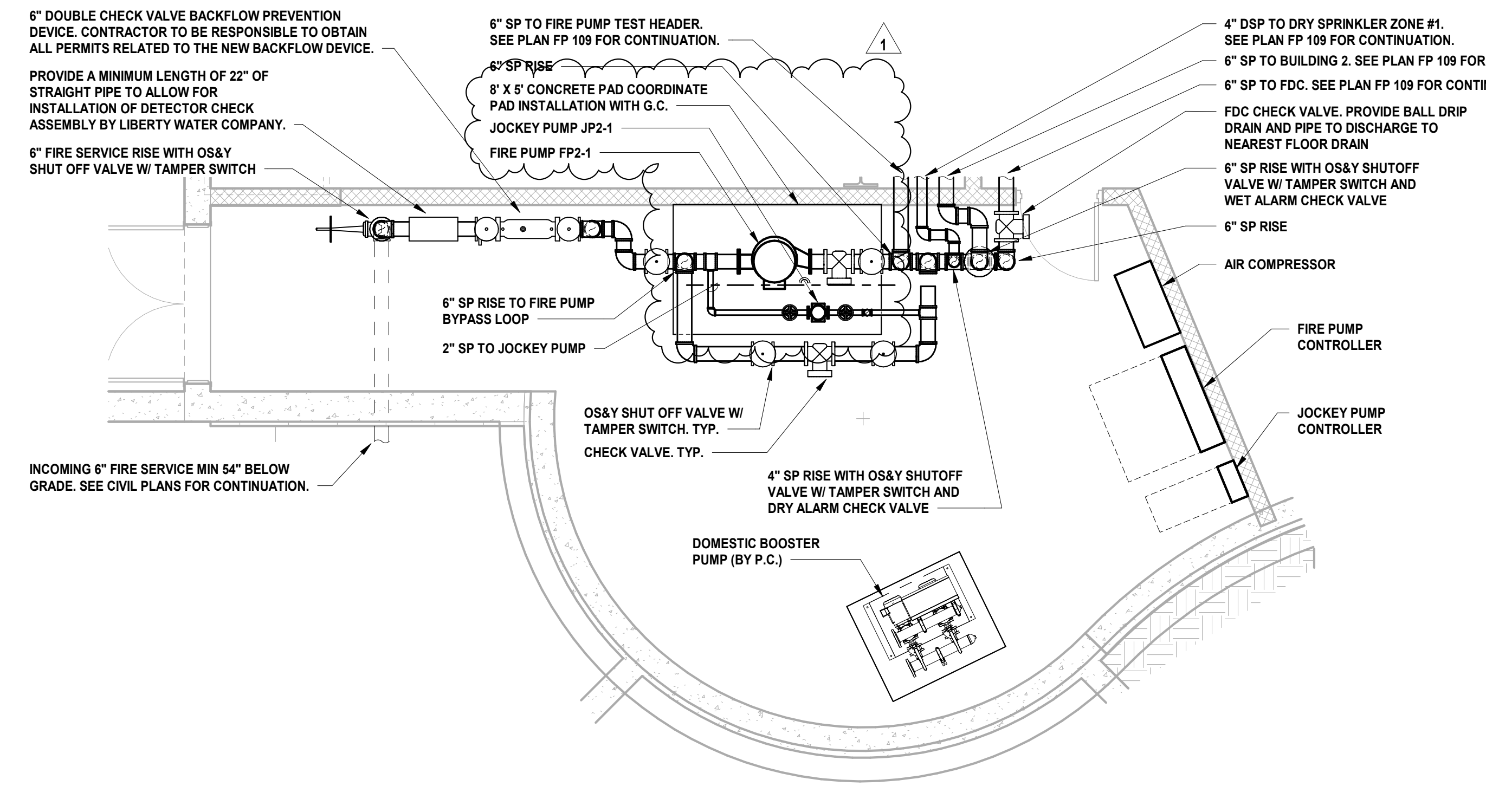
Table with columns: CRG, DRG, JRM, JRM. Rows: DESIGNED BY, DRAWN BY, CHECKED BY, REVIEWED BY. Values: DGA2301, 12.01.2023, AS SHOWN.

FIRE PROTECTION GENERAL NOTES:

- 1. REFER TO FIRE PROTECTION LEAD SHEET, FP-001 FOR GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND PROJECT SCOPE DESCRIPTIONS FOR THIS PROJECT.
2. ALL SYSTEMS SHALL BE DESIGNED ON A HYDRAULICALLY CALCULATED BASIS BY THE FIRE PROTECTION CONTRACTOR.
3. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE ENTIRE SYSTEM WITH ALL BUILDING ELEMENTS INCLUDING BUT NOT LIMITED TO, PIPING, DUCTWORK, LIGHTING FIXTURES, ETC.
4. PROVIDE SPRINKLER COVERAGE UNDER OBSTRUCTIONS AS REQUIRED BY NFPA-13.
5. PROVIDE ADDITIONAL SPRINKLER HEADS TO COMPLY WITH NFPA COVERAGE.



1 BUILDING NO. 1 - ENLARGED FIRE PUMP ROOM SCALE: 1/4" = 1'-0" SCALE BAR: 1/4"=1'-0"



2 BUILDING NO. 2 - ENLARGED FIRE PUMP ROOM SCALE: 1/4" = 1'-0" SCALE BAR: 1/4"=1'-0"

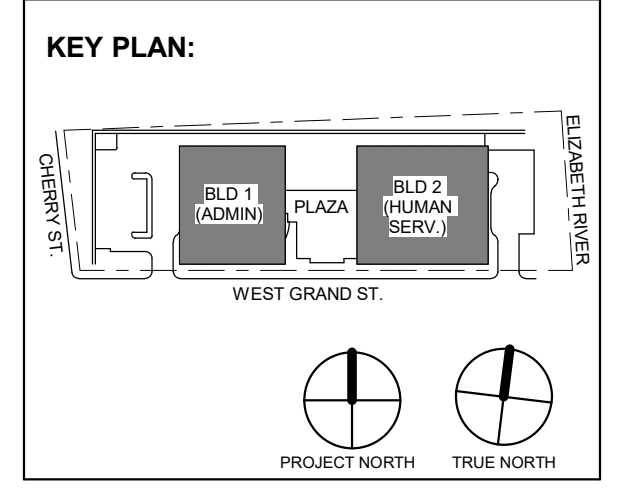
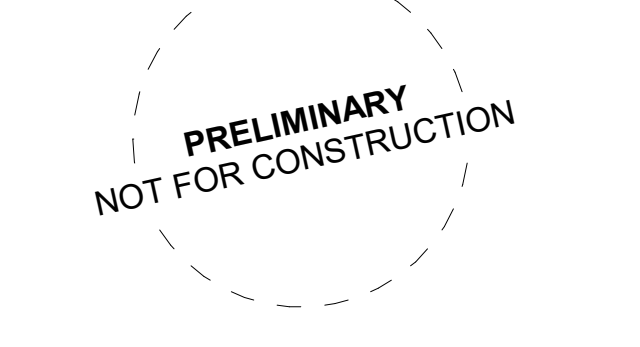


Table with columns: No., Date, Description, Revisions / Issues. Row 1: 1, 12.01.2023, Addendum No. 01, For Public Bid.

DIGroupArchitecture ARCHITECTURE FOR CHANGE 15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA NJ RA AI 00827100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

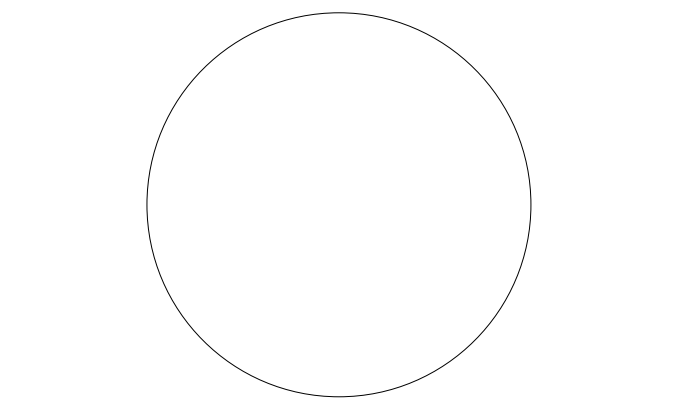
Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JMSH

Sheet Name: BUILDING NO. 1 - FIRE PROTECTION ENLARGED PLANS

Sheet No:

FP-301

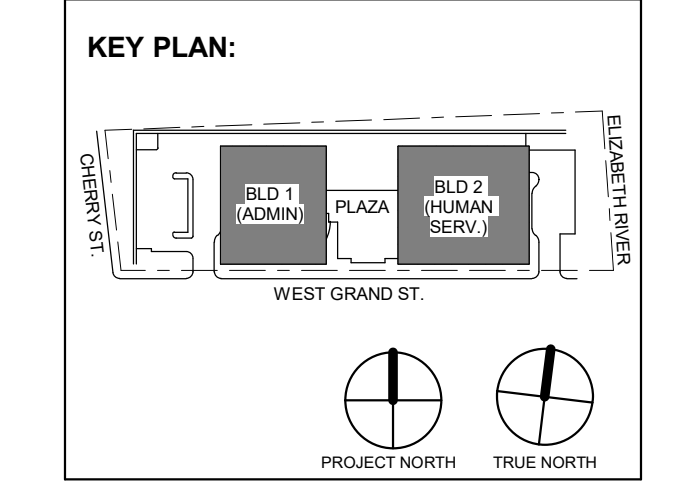
H2M Associates, Inc.
119 Cherry Hill Road, Suite 110
Parsippany, NJ 07054
862.207.5500 www.h2m.com
NJ Landscape Architecture Certificate No.: 21MH00010300
NJ Engineering Certificate of Authorization No.: 24GA26019100



JONATHAN R. MURATORE, P.E.
NJ PROFESSIONAL ENGINEER No. 348880007

ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS LEGAL. THIS DRAWING IS CONSIDERED AN OFFICIAL DOCUMENT UNDER PENNSYLVANIA'S PROTECTIVE ORDER.

DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
CRG	CRG	JRM	JRM
PROJECT No:	DATE:	SCALE:	
DIG2301	12.01.2023	AS SHOWN	



1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid
No.	Date	Description
Revisions / Issues		

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 • T: 732.249.6242
2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 03627100



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 20.072
Date: 11.08.2023
Drawn By: JBA/VPC
Checked By: JMSH

Sheet Name:
BUILDING NO. 1 - FIRE PROTECTION SCHEDULES

Sheet No:

FP-501

ELECTRIC FIRE PUMP SCHEDULE

SYMBOL	LOCATION	TYPE	GPM	PRESSURE BOOST (PSI)	RPM	MOTOR HP	ELECTRICAL V/PH/Hz	FLA	OPER WEIGHT	PUMP BASIS OF DESIGN	
										MANUFACTURER	MODEL NUMBER
FP1-1 & FP2-1	FIRE PUMP ROOM	ELECTRIC	750	90	3550	75	480/3/60	-	-	AC FIRE PUMP	1580 - 6X6X9.5F-L

JOCKEY PUMP SCHEDULE

SYMBOL	SERVICE	LOCATION	TYPE	GPM	MOTOR HP	ELECTRICAL V/PH/Hz	PHASE	OPER WEIGHT	BASIS OF DESIGN	
									MANUFACTURER	MODEL NUMBER
JP1-1 & JP2-1	FP	FIRE PUMP ROOM	VERTICAL IN-LINE	7.5	1	480/3/60	3	93	AURORA	PVM(X)1-9

FIRE PROTECTION SPECIALTIES SCHEDULE

SYMBOL	ITEM	MODEL
FCVA	FLOOR CONTROL VALVE ASSEMBLY	VICTUALIC SERIES 747M - FIRELOCK ZONE CONTROL RISER MODULE
FDC	FIRE DEPARTMENT CONNECTION	POTTER-ROEMER 5021 - 4" x 2-1/2" x 2-1/2"
FDC-FS	FIRE DEPARTMENT CONNECTION - FREE...	POTTER-ROEMER #5762 - 4" x 2-1/2" x 2-1/2"
FDHV	FIRE DEPARTMENT HOSE VALVE	POTTER-ROEMER #4065 WITH POTTER-ROEMER #4625 CAP
FDVC	FIRE DEPARTMENT VALVE CABINET	NATIONAL FIRE EQUIPMENT LTD #C-975

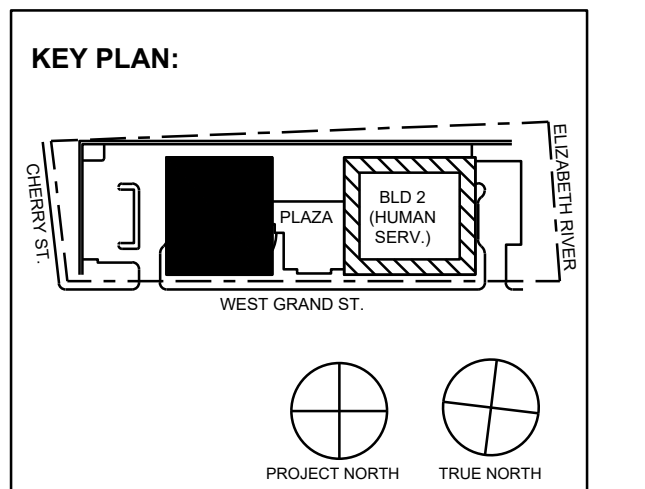
TELECOMMUNICATIONS PATHWAYS NOTES	
1.	CONDUITS AND SLEEVES ARE SHOWN DIAGRAMMATICALLY AS TELECOMMUNICATION PATHWAY REQUIREMENTS. EXACT ROUTING, BENDS, PULL-BOX LOCATIONS, ETC. ARE SUBJECT TO FIELD CONDITIONS. COORDINATE WITH WORK OF ALL OTHER TRADES. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. SUBMIT DETAILED LAYOUT DRAWINGS FOR REVIEW AND APPROVAL.
2.	TELECOMMUNICATIONS CONDUIT RUNS SHALL BE INSTALLED WITH: <ol style="list-style-type: none"> 2.1. NO BEND IN EXCESS OF 90-DEGREES. 2.2. NO AGGREGATE OF BENDS GREATER THAN 180-DEGREES BETWEEN PULL BOXES OR PULL POINTS. 2.3. NO CONTINUOUS SECTION IN EXCESS OF 100'. 2.4. NO BENDS OCCURRING WITHIN PULL BOXES.
3.	TELECOMMUNICATIONS CONDUIT BENDS SHALL BE INSTALLED WITH: <ol style="list-style-type: none"> 3.1. A BEND RADIUS OF 6-TIMES THE CONDUIT'S INNER DIAMETER FOR CONDUITS 2 TRADE SIZE OR SMALLER. 3.2. A BEND RADIUS OF 10-TIMES THE CONDUIT'S INNER DIAMETER FOR CONDUITS GREATER THAN 2 TRADE SIZE.
4.	TELECOMMUNICATIONS CONDUIT SYSTEM SHALL BE PROPERLY BONDED IN ACCORDANCE WITH ALL NATIONAL OR LOCAL REQUIREMENTS.
5.	ELECTRICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF FIELD-COORDINATED TELECOM PATHWAYS TO ELECTRICAL ENGINEER AND TELECOM ENGINEER FOR REVIEW AND APPROVAL.
6.	MINIMUM CONDUIT IN-FEED SIZE DEDICATED FOR IT CABLING TO WORKSTATION CLUSTERS & FURNITURE (E.G. TABLE BOXES) SHALL BE 1-1/4" UON. REFER TO ELECTRICAL AND AUDIO VISUAL DRAWINGS FOR ANY ADDITIONAL CONDUIT REQUIREMENTS.
7.	ALL CONDUIT STUB-UPS SHALL BE EXTENDED TO THE NEAREST ACCESSIBLE CEILING.

GROUNDING AND BONDING NOTES	
1.	ALL BONDING WIRES AND BONDING JUMPERS SHALL BE GREEN INSULATED OR BARE COPPER. ALL GROUND WIRES SHALL BE WITHOUT JOINTS AND SPLICES OVER THE ENTIRE LENGTH.
2.	WHERE IT IS NECESSARY TO PLACE BONDING CONDUCTORS IN FERROUS METAL CONDUIT THAT EXCEEDS 3' IN LENGTH, THE CONDUCTORS SHALL BE BONDED TO EACH END OF THE CONDUIT. OBTAIN WRITTEN AUTHORIZATION FROM ENGINEER PRIOR TO UTILIZING FERROUS METAL CONDUITS FOR BONDING CONDUCTORS.
3.	INSTALL BONDING AND GROUNDING CONDUCTORS IN DIRECT, STRAIGHT PATHS WITH NO "SLACK" COPPER LOOPS OR EXTRA LENGTHS. BENDS SHALL BE KEPT TO A MINIMUM AND SHALL HAVE A MINIMUM RADIUS OF 4".
4.	PROVIDE AN INSULATED, STRANDED, UNINTERRUPTED BONDING CONDUCTOR BETWEEN THE TELECOMMUNICATIONS PRIMARY BONDING BUSBAR (PBB) AND NEAREST BUILDING STEEL COLUMN, IF APPLICABLE. THE BONDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE BUILDING COLUMN AND MECHANICALLY BONDED TO THE PBB WITH A LISTED TWO-HOLE LUG THAT IS HYDRAULICALLY CRIMPED ON TO THE CONDUCTOR.
5.	PROVIDE AND INSULATED, STRANDED, UNINTERRUPTED BONDING CONDUCTOR BETWEEN THE PBB AND THE MAIN ELECTRICAL PANEL ALTERNATING CURRENT (AC) EQUIPMENT GROUND THAT IS SERVING THE BUILDING. THE BONDING CONDUCTOR SHALL BE MECHANICALLY BONDED TO BOTH THE PBB AND THE GROUND BAR IN THE ELECTRICAL PANEL WITH LISTED TWO-HOLE LUGS THAT ARE HYDRAULICALLY CRIMPED ON TO EACH END OF THE BONDING CONDUCTOR.
6.	PROVIDE AN INSULATED, UNINTERRUPTED TELECOMMUNICATIONS BONDING BACKBONE (TBB) BETWEEN THE PBB AND ALL TELECOMMUNICATIONS SECONDARY BONDING BUSBARS (SBB) INDICATED ON THE DRAWINGS. MECHANICALLY BOND THE TBB TO THE PBB WITH A LISTED TWO-HOLE LUG THAT IS HYDRAULICALLY CRIMPED ON TO THE END OF THE TBB. BOND EACH SBB TO THE TBB WITH AN INSULATED, STRANDED, UNINTERRUPTED BACKBONE BONDING CONDUCTOR (BBC). THE BBC SHALL BE MECHANICALLY BONDED TO BOTH THE SBB AND THE TBB. AT THE SBB, UTILIZE A LISTED TWO-HOLE LUG THAT IS HYDRAULICALLY CRIMPED ON TO THE END OF THE BONDING CONDUCTOR. AT THE TBB, UTILIZE AN EXOTHERMIC WELD AND HYDRAULICALLY CRIMPED BONDING LUG. REMOVE ONLY AS MUCH INSULATION FROM THE TBB AS IS NECESSARY AND PRACTICAL TO COMPLETE THE BOND.
7.	PROVIDE AN INSULATED, UNINTERRUPTED GROUNDING CONDUCTOR FROM EACH SBB TO THE GROUND BAR IN THE ELECTRICAL DISTRIBUTION PANEL SERVING THE TELECOMMUNICATIONS LOADS IN THAT ROOM. THE BONDING CONDUCTOR SHALL BE MECHANICALLY BONDED TO BOTH THE SBB AND THE GROUND BAR IN THE ELECTRICAL PANEL WITH LISTED TWO-HOLE LUGS THAT ARE HYDRAULICALLY CRIMPED ON TO EACH END OF THE BONDING CONDUCTOR.
8.	PROVIDE AN INSULATED, STRANDED, UNINTERRUPTED BONDING CONDUCTOR BETWEEN THE TELECOMMUNICATIONS PRIMARY BONDING BUSBAR (PBB) AND NEAREST BUILDING STEEL COLUMN, IF APPLICABLE. THE BONDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE BUILDING COLUMN AND MECHANICALLY BONDED TO THE PBB WITH A LISTED TWO-HOLE LUG THAT IS HYDRAULICALLY CRIMPED ON TO THE CONDUCTOR.
9.	PERFORM TWO-POINT BONDING CONTINUITY TESTING OF TELECOMMUNICATIONS GROUNDING SYSTEM. MAXIMUM ACCEPTABLE RESISTANCE IS 0.1Ω (100mΩ). CONTRACTOR SHALL DOCUMENT TESTING AND SUBMIT FOR RECORD WITH CLOSEOUT DOCUMENTS.

TELECOMMUNICATIONS GENERAL NOTES	
1.	ALL WORK SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, NFPA, UL, ADA AND ALL OTHER GOVERNING AGENCIES HAVE JURISDICTION.
2.	DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. COORDINATE LAYOUT ON THESE DRAWINGS AGAINST DRAWINGS OF OTHER TRADES TO VERIFY THAT HEADROOM AND SPACE CONDITIONS ARE MAINTAINED.
3.	HOME-RUN ALL VOICE, DATA, AND VIDEO OUTLET CABLES VIA CONDUIT STUB-UPS, BEHIND DRYWALL AND ABOVE ACCESSIBLE CEILINGS DIRECTLY TO THE TELECOMMUNICATIONS ROOMS AS INDICATED ON THE DRAWINGS. PULL-TENSION AND MINIMUM BEND RADIUS SHALL COMPLY WITH MANUFACTURER RECOMMENDATIONS.
4.	INSTALL NEW WORK AND CONNECT TO EXISTING WORK, WHEN APPLICABLE, WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS MAY ONLY BE PERFORMED WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES. ALARM AND EMERGENCY SYSTEMS SHALL NOT BE INTERRUPTED.
5.	ANY DAMAGE TO PARTITIONS, FLOORS, CEILING OR ANY PART OF THE BUILDING OR EQUIPMENT CAUSED BY THE CONTRACTOR SHALL BE MADE GOOD AT NO ADDITIONAL EXPENSE TO THE OWNER.
6.	UPON COMPLETION OF THE WORK, "AS-BUILT" DRAWINGS SHALL BE SUBMITTED TO THE OWNER. REFER TO SPECIFICATIONS FOR QUANTITIES.
7.	CONTRACTOR SHALL VISIT AND BECOME FAMILIAR WITH EXISTING CONDITIONS OF THE AREAS EFFECTED BY THIS WORK THROUGH A CAREFUL EXAMINATION. THIS EXAMINATION SHALL BE DONE PRIOR TO SUBMITTING A PROPOSAL. A SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED THAT COULD BE FORESEEN THROUGH SUCH AN EXAMINATION.
8.	CONTRACTOR, BEFORE INSTALLING ANY WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALL, ETC., AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS SO INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGNS CANNOT BE FOLLOWED, CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
9.	FINAL ACCEPTANCE IS TO BE MADE AFTER THE CONTRACTOR HAS DEMONSTRATED THAT THE WORK FULFILLS THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.
10.	ANY BLOCK WALL WITHOUT EXISTING PENETRATIONS MUST BE CORED/DRILLED BY THE CONTRACTOR BASED ON FIELD CONDITIONS.
11.	ALL WORK IS SUBJECT TO FULL FIELD COORDINATION BY CONTRACTOR.
12.	COORDINATE INSTALLATION OF CONDUITS, CABLE TRAYS AND J-HOOKS WITH ALL OTHER COMPONENTS AND/OR TRADES WITHIN THE CEILING SPACE.
13.	COORDINATE WITH ELECTRICAL CONTRACTOR FOR THE ROUTING OF ALL STUB-UPS AND/OR RACEWAYS TO EACH TELECOMMUNICATIONS OUTLET BOX. STUB-UPS AND RACEWAYS SHALL BE RUN TO THE NEAREST ACCESSIBLE CEILING SPACE.
14.	FIRE-STOPPING SHALL BE INSTALLED AT ALL LOCATIONS THAT A CABLE, CONDUIT OR SLEEVE PENETRATES A FIRE-RATED PARTITION, FLOOR, OR SLAB IN ACCORDANCE WITH ALL APPLICABLE CODES.
15.	ALL RACKS, FRAMES, CABINETS, TERMINATION BLOCKS, CABLES, WORKSTATION OUTLETS, GROUNDING BUS BARS, GROUNDING JUMPERS, CABLE SUPPORTS, ETC. SHALL BE LABELED IN ACCORDANCE WITH EIA/TIA 606.
16.	OUTLET IDENTIFICATION NUMBERING SHALL BE AS DIRECTED BY OWNER'S MIS/IT DEPARTMENT. INSTALLATION SHALL COMPLY WITH SPECIFICATIONS. EACH CABLE SHALL BE TAGGED AT ALL TERMINATION POINTS.
17.	ALL CONDUIT AND SLEEVE ENDS SHALL HAVE PROTECTIVE BUSHINGS. PROTECTIVE GROMMETS SHALL BE PROVIDED AT ALL PENETRATIONS FOR CABLING THROUGH METAL STUDS. PULLING OR LAYING CABLE OVER SHARP EDGES IS NOT PERMITTED.
18.	CONTRACTOR SHALL COORDINATE FINISH COLOR AND MOUNTING HEIGHT REQUIREMENTS WITH THE ARCHITECT.

TELECOMMUNICATIONS SYMBOL LEGEND	
	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A F/UTP CABLES
	WALL-MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A F/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A F/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A F/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A F/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A F/UTP CABLES
	SECURITY WORKSTATION TWO (2) CATEGORY 6A F/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A F/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A F/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A F/UTP CABLES
TELECOMMUNICATIONS OUTLET ID	

TELECOMMUNICATIONS DRAWING LIST	
TC1-001.00	TELECOMMUNICATIONS NOTES, SYMBOL LIST & DRAWING LIST
TC1-100.00	LEVEL 0 TELECOMMUNICATIONS FLOOR PLAN
TC1-101.00	LEVEL 1 TELECOMMUNICATIONS FLOOR PLAN
TC1-102.00	LEVEL 2 TELECOMMUNICATIONS FLOOR PLAN
TC1-103.00	LEVEL 3 TELECOMMUNICATIONS FLOOR PLAN
TC1-104.00	LEVEL 4 TELECOMMUNICATION FLOOR PLAN
TC1-105.00	LEVEL 5 TELECOMMUNICATIONS FLOOR PLAN
TC1-106.00	LEVEL 6 TELECOMMUNICATIONS FLOOR PLAN
TC1-107.00	LEVEL 7 TELECOMMUNICATIONS FLOOR PLAN
TC1-200.00	LEVEL 0 TELECOMMUNICATIONS RCP PLAN
TC1-201.00	LEVEL 1 TELECOMMUNICATION RCP PLAN
TC1-202.00	LEVEL 2 TELECOMMUNICATIONS RCP PLAN
TC1-203.00	LEVEL 3 TELECOMMUNICATIONS RCP PLAN
TC1-204.00	LEVEL 4 TELECOMMUNICATIONS RCP PLAN
TC1-205.00	LEVEL 5 TELECOMMUNICATIONS RCP PLAN
TC1-206.00	LEVEL 6 TELECOMMUNICATIONS RCP PLAN
TC1-207.00	LEVEL 7 TELECOMMUNICATIONS RCP PLAN
TC1-401.00	TELECOMMUNICATIONS DEMARC PART PLAN
TC1-403.00	TELECOMMUNICATIONS LEVEL 3 IT ROOM PART PLAN
TC1-404A.00	TELECOMMUNICATIONS LEVEL 4 IT ROOM PART PLAN
TC1-404B.00	TELECOMMUNICATIONS LEVEL 4 DATA CENTER PART PLAN
TC1-405.00	TELECOMMUNICATIONS LEVEL 5 IT ROOM PART PLAN
TC1-501.00	TELECOMMUNICATIONS DETAILS
TC1-601.00	TELECOMMUNICATIONS HORIZONTAL CABLING RISER DIAGRAM
TC1-602.00	TELECOMMUNICATIONS RISER DIAGRAMS
TC-801.00	TELECOMMUNICATIONS EQUIPMENT LIST



No.	Date	Description
11/08/2023	ISSUED FOR ADDENDUM 1	
11/08/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezo, AIA
 NJ RA # 09827190



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX - BUILDING 1
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY 07202

Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: MD
 Checked By: DJ

Sheet Name: TELECOMMUNICATIONS NOTES, SYMBOL LIST & DRAWING LIST

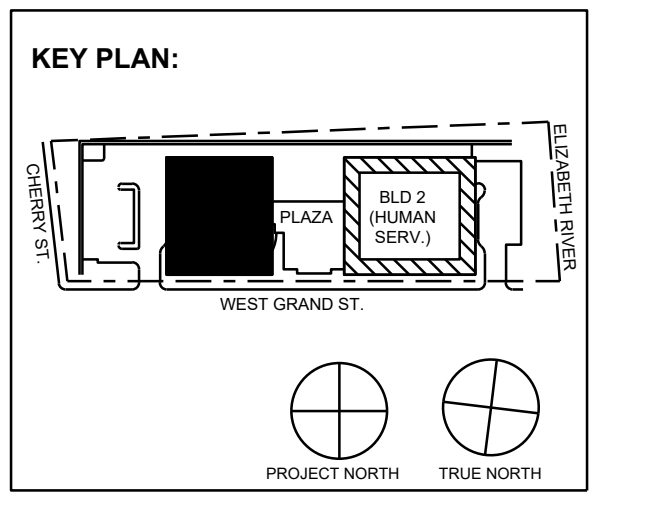
Sheet No: _____ DOB NOW JOB # _____



TC1-001.00

NONE

TELECOMMUNICATIONS SYMBOL LEGEND	
	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	WALL MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A FI/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY WORSTATION TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A FI/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A FI/UTP CABLES
TELECOMMUNICATIONS OUTLET ID	
	PORT ID (A/B) SEQUENTIAL OUTLET NUMBER FLOOR NUMBER: X



No.	Date	Description
1	11/30/2023	ISSUED FOR ADDENDUM 1
2	11/09/2023	ISSUED FOR PUBLIC BID
3	09/29/2023	ISSUED FOR REVIEW

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Verozina, AIA
NJ RA AI 03827192

PRELIMINARY
NOT FOR CONSTRUCTION

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

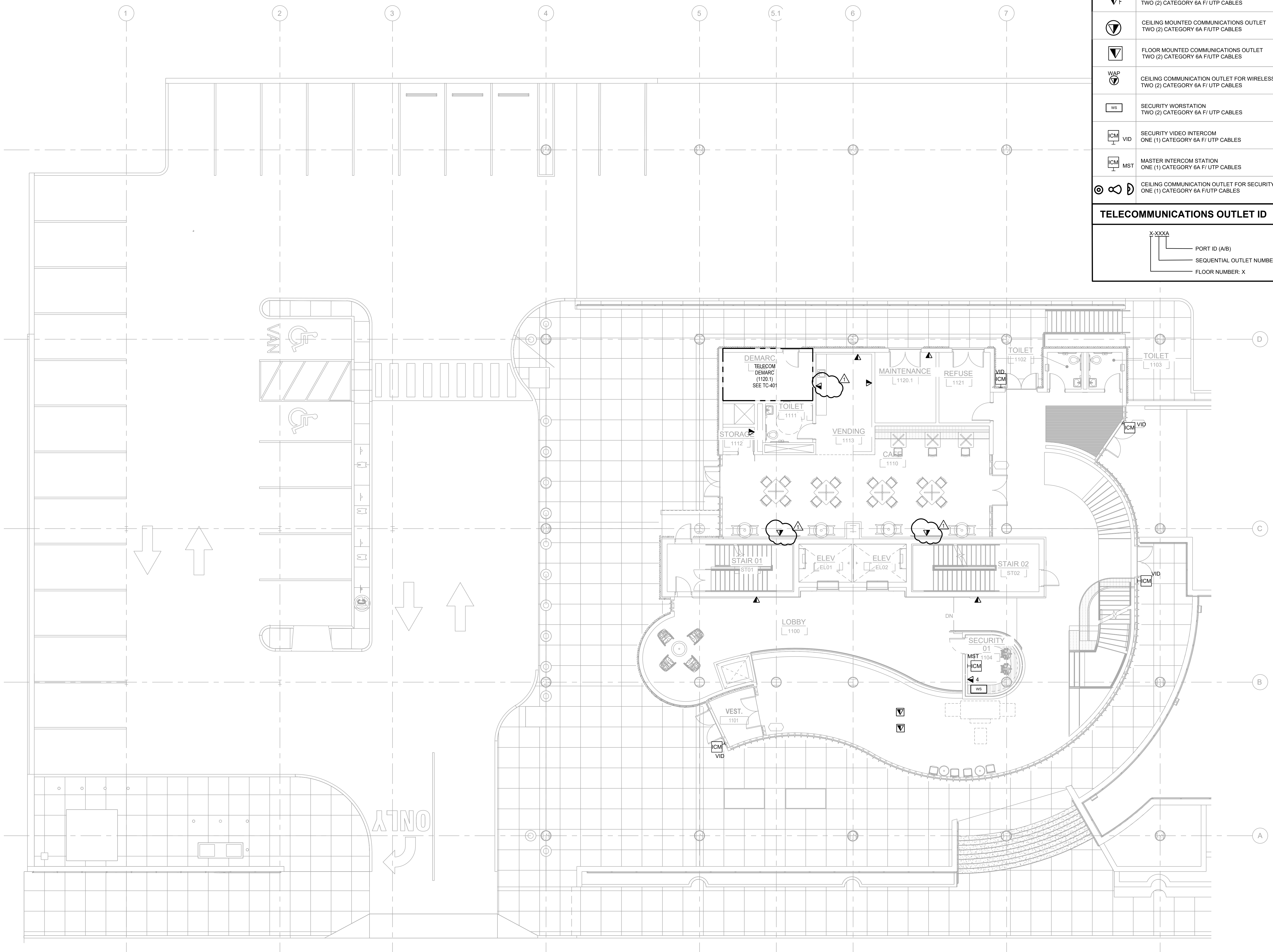
Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 1
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

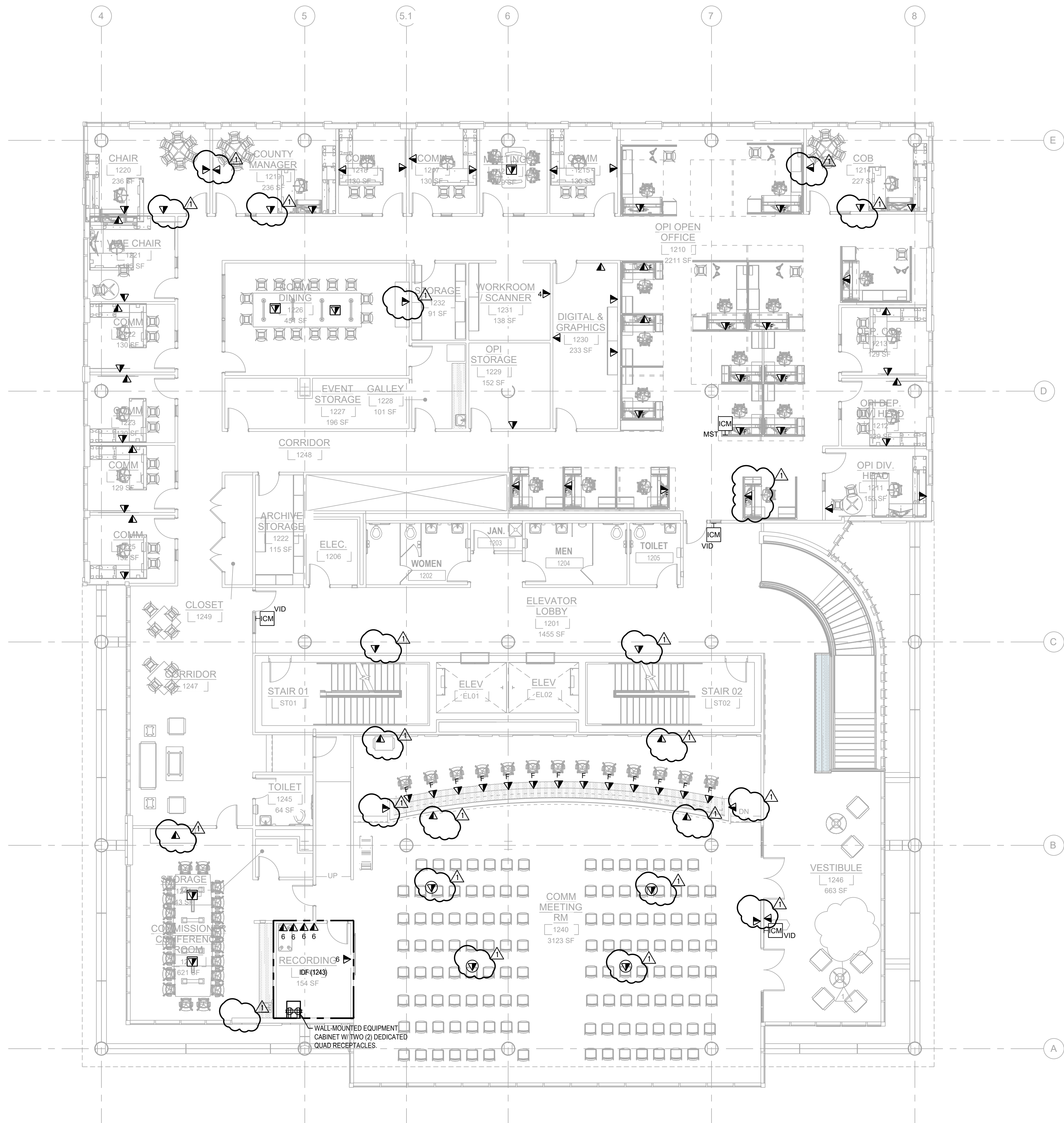
Drawing Information:
Project No: 1182.00
Date: 11/08/23
Drawn By: MD
Checked By: DJ

Sheet Name:
LEVEL 1 TELECOMMUNICATION PLAN

Sheet No: _____ DOB NOW JOB # _____

TC1-101.00



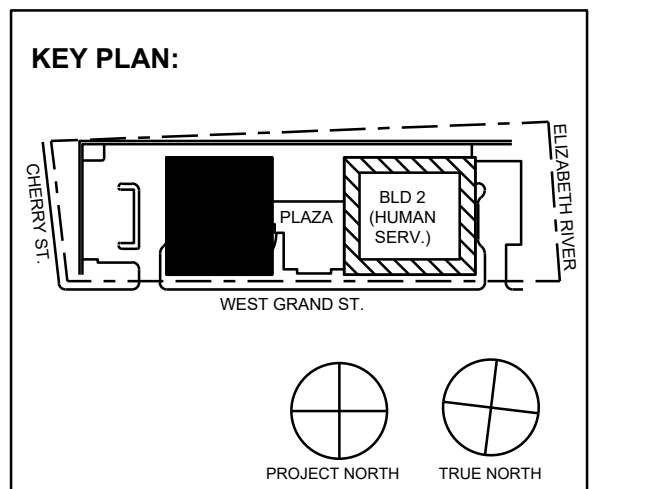


TELECOMMUNICATIONS SYMBOL LEGEND	
	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	WALL MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A FI/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY WORKSTATION TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A FI/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A FI/UTP CABLES

TELECOMMUNICATIONS OUTLET ID	
	PORT ID (A/B)
	SEQUENTIAL OUTLET NUMBER
	FLOOR NUMBER: X

CABINET 2/A (FRONT)	
RU 19	1U Fiber Enclosure - MDF Ties
18	1U Filler Panel
17	24-Port Cat6A PP (Backbone from MDF)
16	24-Port Cat5e PP (Cat5e voice tie)
15	48-Port Cat6A PP
14	Horizontal Cabling
13	48-Port Cat6A PP
12	Horizontal Cabling
11	
10	
9	Contractor to Determine
8	Exact Quantity of
7	Required Patch Panels
6	
5	
4	2U Online UPS
3	
2	2U Online UPS
1	

1 WALL CABINET ELEVATION
SCALE: NONE



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Veroz26, AIA
NJ RA AI 00827192



Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 1
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 1182.00
Date: 11/08/23
Drawn By: MD
Checked By: DJ

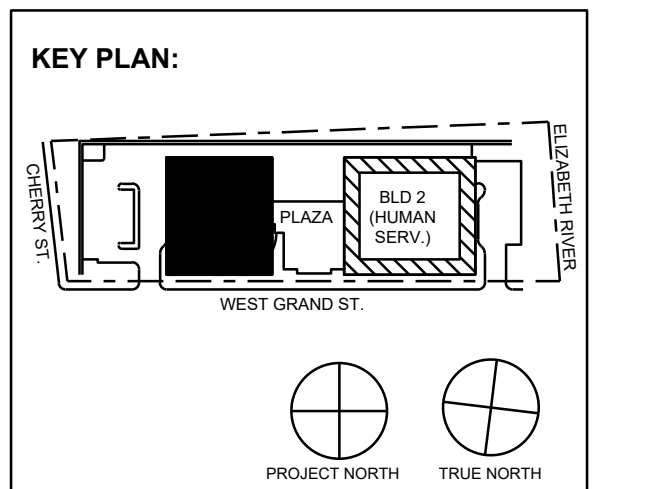
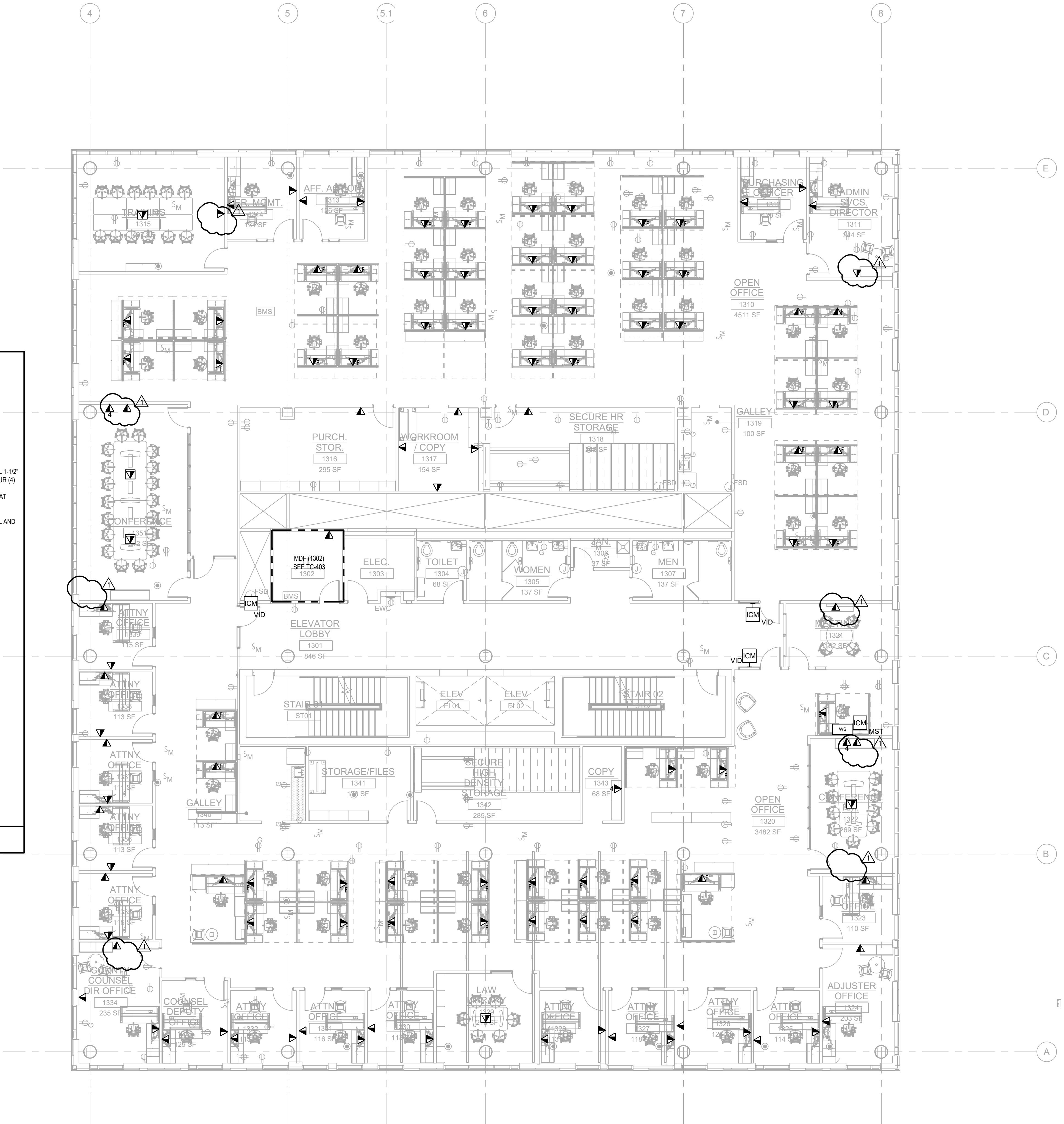
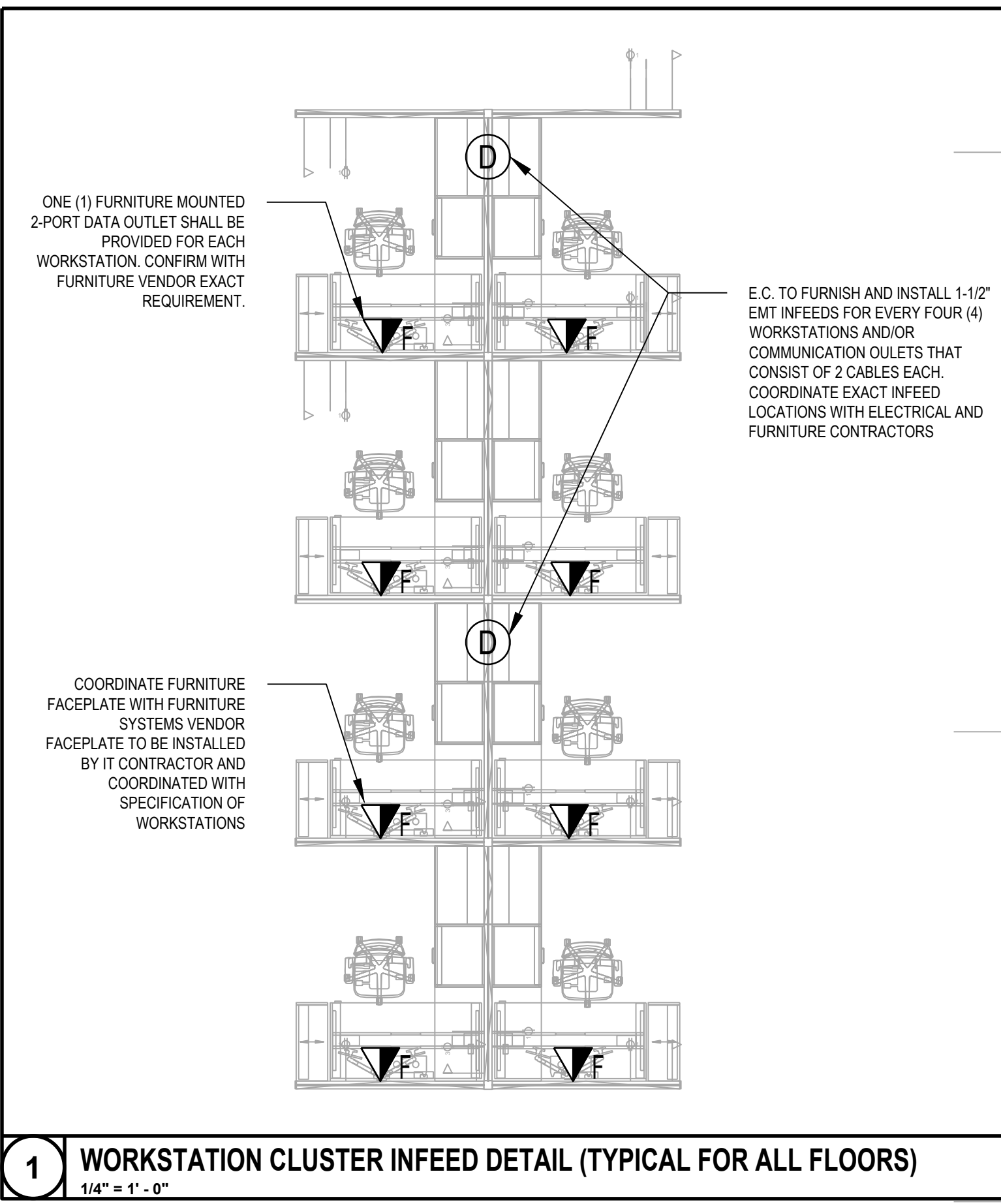
Sheet Name:
LEVEL 2 TELECOMMUNICATION PLAN

Sheet No: _____ DOB NOW JOB # _____



TC1-102.00

TELECOMMUNICATIONS SYMBOL LEGEND	
	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	WALL MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A FI/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY WORSTATION TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A FI/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A FI/UTP CABLES
TELECOMMUNICATIONS OUTLET ID	
	PORT ID (A/B)
	SEQUENTIAL OUTLET NUMBER
	FLOOR NUMBER: X



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Veroz26, AIA
NJ RA A1 03827193

**PRELIMINARY
NOT FOR CONSTRUCTION**

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 1
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

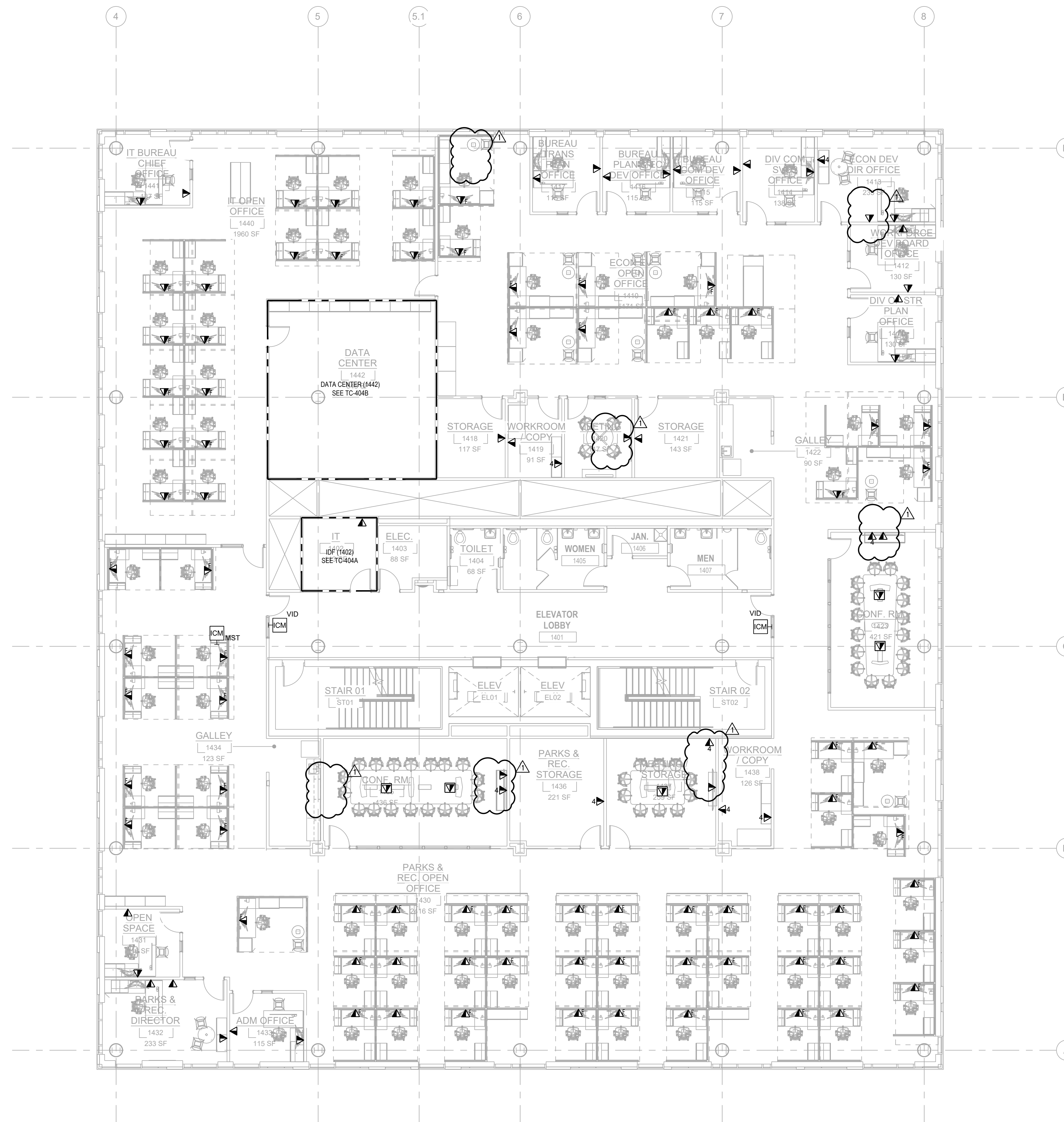
Drawing Information:
Project No: 1182.00
Date: 11/08/23
Drawn By: MD
Checked By: DJ

Sheet Name:
LEVEL 3 TELECOMMUNICATION PLAN

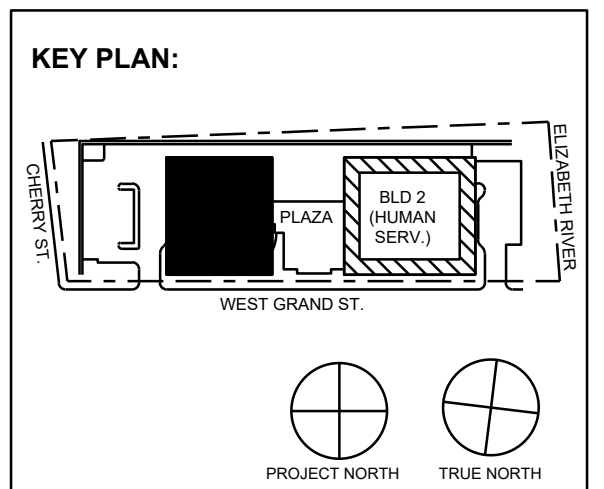
Sheet No: _____ DOB NOW JOB # _____



TC1-103.00



TELECOMMUNICATIONS SYMBOL LEGEND	
	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	WALL-MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A FI/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY WORSTATION TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A FI/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A FI/UTP CABLES
TELECOMMUNICATIONS OUTLET ID	
	X-XXXX PORT ID (A/B) SEQUENTIAL OUTLET NUMBER FLOOR NUMBER: X



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Verozola, AIA
 NJ RA AI 03827192



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT
 COMPLEX - BUILDING 1
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: MD
 Checked By: DJ

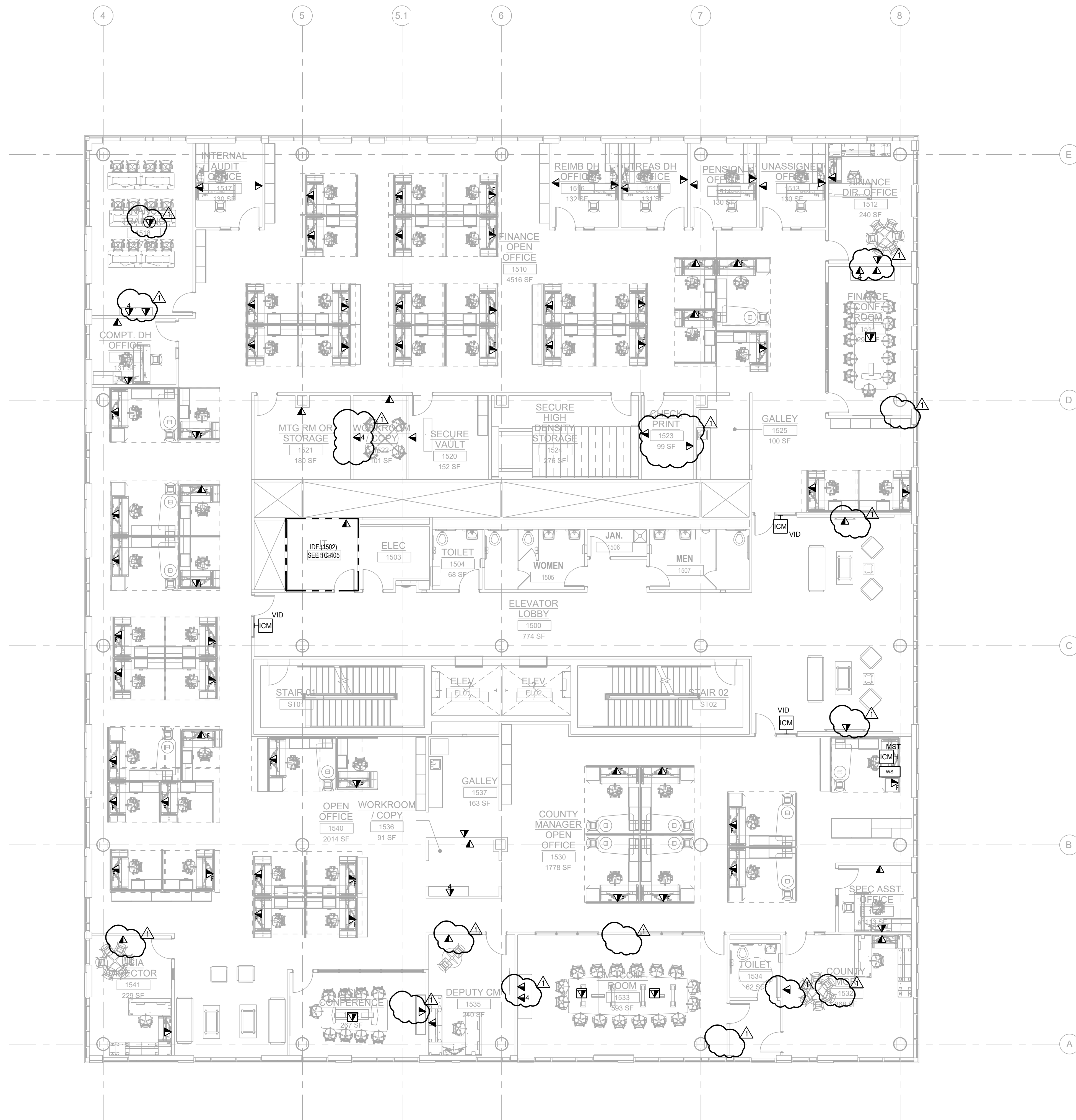
Sheet Name:
 LEVEL 4
 TELECOMMUNICATION PLAN

Sheet No: _____ DOB NOW JOB # _____

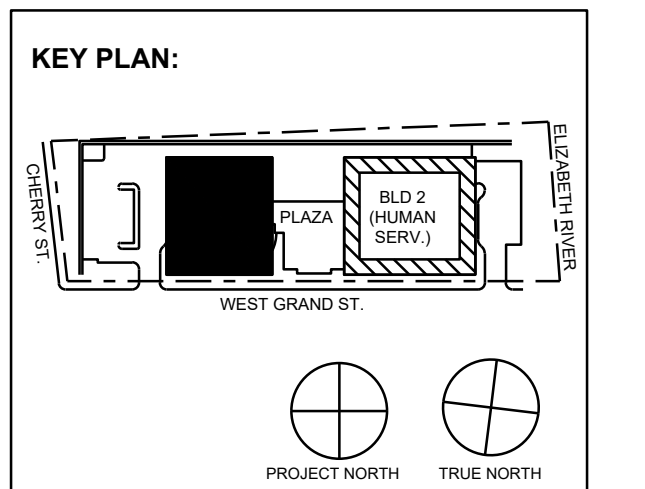


TC1-104.00

1/8"=1'-0"



TELECOMMUNICATIONS SYMBOL LEGEND	
	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	WALL MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A FI/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY WORSTATION TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A FI/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A FI/UTP CABLES
TELECOMMUNICATIONS OUTLET ID	
	X-XXXX PORT ID (A/B) SEQUENTIAL OUTLET NUMBER FLOOR NUMBER: X



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Veroz26, AIA
 NJ RA AI 03827193

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT
COMPLEX - BUILDING 1
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 1182.00
Date: 11/08/23
Drawn By: MD
Checked By: DJ

Sheet Name:
LEVEL 5
TELECOMMUNICATION
PLAN

Sheet No: _____ DOB NOW JOB # _____



TC1-105.00

1/8"=1'-0"

TELECOMMUNICATIONS PATHWAYS NOTES

- CONDUITS AND SLEEVES ARE SHOWN DIAGRAMMATICALLY AS TELECOMMUNICATION PATHWAYS. EXACT ROUTINGS, BENDS, PULL-BOX LOCATIONS, ETC. ARE SUBJECT TO FIELD CONDITIONS. COORDINATE WITH WORK OF ALL OTHER TRADES. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. SUBMIT DETAILED LAYOUT DRAWINGS FOR REVIEW AND APPROVAL.
- TELECOMMUNICATIONS CONDUIT RUNS SHALL BE INSTALLED WITH:
 - NO BEND IN EXCESS OF 90-DEGREES.
 - NO AGGREGATE OF BENDS GREATER THAN 180-DEGREES BETWEEN PULL BOXES OR PULL POINTS.
 - NO CONTINUOUS SECTION IN EXCESS OF 100'.
 - NO BENDS OCCURRING WITHIN PULL BOXES.
- TELECOMMUNICATIONS CONDUIT BENDS SHALL BE INSTALLED WITH:
 - A BEND RADIUS OF 6-TIMES THE CONDUIT'S INNER DIAMETER FOR CONDUITS 2 TRADE SIZE OR SMALLER.
 - A BEND RADIUS OF 10-TIMES THE CONDUIT'S INNER DIAMETER FOR CONDUITS GREATER THAN 2 TRADE SIZE.
- TELECOMMUNICATIONS CONDUIT SYSTEM SHALL BE PROPERLY BONDED IN ACCORDANCE WITH ALL NATIONAL OR LOCAL REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF FIELD-COORDINATED TELECOM PATHWAYS TO ELECTRICAL ENGINEER AND TELECOM ENGINEER FOR REVIEW AND APPROVAL.
- MINIMUM CONDUIT IN-FEED SIZE DEDICATED FOR IT CABLING TO WORKSTATION CLUSTERS & FURNITURE (E.G. TABLE BOXES) SHALL BE 1-1/4" UON. REFER TO ELECTRICAL AND AUDIO VISUAL DRAWINGS FOR ANY ADDITIONAL CONDUIT REQUIREMENTS.
- ALL CONDUIT STUB-UPS SHALL BE EXTENDED TO THE NEAREST ACCESSIBLE CEILING.

GROUNDING AND BONDING NOTES

- ALL BONDING WIRES AND BONDING JUMPERS SHALL BE GREEN INSULATED OR BARE COPPER. ALL GROUND WIRES SHALL BE WITHOUT JOINTS AND SPLICES OVER THE ENTIRE LENGTH.
- WHERE IT IS NECESSARY TO PLACE BONDING CONDUCTORS IN FERROUS METAL CONDUIT THAT EXCEEDS 3' IN LENGTH, THE CONDUCTORS SHALL BE BONDED TO EACH END OF THE CONDUIT. OBTAIN WRITTEN AUTHORIZATION FROM ENGINEER PRIOR TO UTILIZING FERROUS METAL CONDUITS FOR BONDING CONDUCTORS.
- INSTALL BONDING AND GROUNDING CONDUCTORS IN DIRECT, STRAIGHT PATHS WITH NO "SLACK" COPPER LOOPS OR EXTRA LENGTHS. BENDS SHALL BE KEPT TO A MINIMUM AND SHALL HAVE A MINIMUM RADIUS OF 4".
- PROVIDE AN INSULATED, STRANDED, UNINTERRUPTED BONDING CONDUCTOR BETWEEN THE TELECOMMUNICATIONS PRIMARY BONDING BUSBAR (PBB) AND NEAREST BUILDING STEEL COLUMN, IF APPLICABLE. THE BONDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE BUILDING COLUMN AND MECHANICALLY BONDED TO THE PBB WITH A LISTED TWO-HOLE LUG THAT IS HYDRAULICALLY CRIMPED ON TO THE CONDUCTOR.
- PROVIDE AN INSULATED, STRANDED, UNINTERRUPTED BONDING CONDUCTOR BETWEEN THE PBB AND THE MAIN ELECTRICAL PANEL ALTERNATING CURRENT (AC) EQUIPMENT GROUND THAT IS SERVING THE BUILDING. THE BONDING CONDUCTOR SHALL BE MECHANICALLY BONDED TO BOTH THE PBB AND THE GROUND BAR IN THE ELECTRICAL PANEL WITH LISTED TWO-HOLE LUGS THAT ARE HYDRAULICALLY CRIMPED ONTO EACH END OF THE BONDING CONDUCTOR.
- PROVIDE AN INSULATED, UNINTERRUPTED TELECOMMUNICATIONS BONDING BACKBONE (TBB) BETWEEN THE PBB AND ALL TELECOMMUNICATIONS SECONDARY BONDING BUSBARS (SBB) INDICATED ON THE DRAWINGS. MECHANICALLY BOND THE TBB TO THE PBB WITH A LISTED TWO-HOLE LUG THAT IS HYDRAULICALLY CRIMPED ON TO THE END OF THE TBB. BOND EACH SBB TO THE TBB WITH AN INSULATED, STRANDED, UNINTERRUPTED BACKBONE BONDING CONDUCTOR (BBC). THE BBC SHALL BE MECHANICALLY BONDED TO BOTH THE SBB AND THE TBB. AT THE SBB, UTILIZE A LISTED TWO-HOLE LUG THAT IS HYDRAULICALLY CRIMPED ONTO THE END OF THE BONDING CONDUCTOR. AT THE TBB, UTILIZE AN EXOTHERMIC WELD AND HYDRAULICALLY CRIMPED BONDING LUG. REMOVE ONLY AS MUCH INSULATION FROM THE TBB AS IS NECESSARY AND PRACTICAL TO COMPLETE THE BOND.
- PROVIDE AN INSULATED, UNINTERRUPTED GROUNDING CONDUCTOR FROM EACH SBB TO THE GROUND BAR IN THE ELECTRICAL DISTRIBUTION PANEL SERVING THE TELECOMMUNICATIONS LOADS IN THAT ROOM. THE BONDING CONDUCTOR SHALL BE MECHANICALLY BONDED TO BOTH THE SBB AND THE GROUND BAR IN THE ELECTRICAL PANEL WITH LISTED TWO-HOLE LUGS THAT ARE HYDRAULICALLY CRIMPED ON TO EACH END OF THE BONDING CONDUCTOR.
- PROVIDE AN INSULATED, STRANDED, UNINTERRUPTED BONDING CONDUCTOR BETWEEN THE TELECOMMUNICATIONS PRIMARY BONDING BUSBAR (PBB) AND NEAREST BUILDING STEEL COLUMN, IF APPLICABLE. THE BONDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE BUILDING COLUMN AND MECHANICALLY BONDED TO THE PBB WITH A LISTED TWO-HOLE LUG THAT IS HYDRAULICALLY CRIMPED ON TO THE CONDUCTOR.
- PERFORM TWO-POINT BONDING CONTINUITY TESTING OF TELECOMMUNICATIONS GROUNDING SYSTEM. MAXIMUM ACCEPTABLE RESISTANCE IS 0.1Ω (100mΩ). CONTRACTOR SHALL DOCUMENT TESTING AND SUBMIT FOR RECORD WITH CLOSEOUT DOCUMENTS.

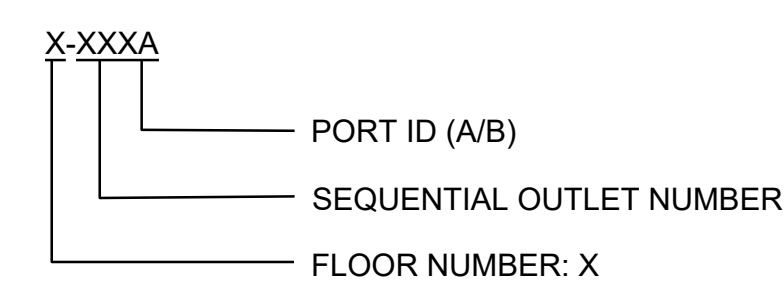
TELECOMMUNICATIONS GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, NFPA, UL, ADA AND ALL OTHER GOVERNING AGENCIES HAVE JURISDICTION.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. COORDINATE LAYOUT ON THESE DRAWINGS AGAINST DRAWINGS OF OTHER TRADES TO VERIFY THAT HEADROOM AND SPACE CONDITIONS ARE MAINTAINED.
- HOME-RUN ALL VOICE, DATA, AND VIDEO OUTLET CABLES VIA CONDUIT STUB-UPS, BEHIND DRYWALL AND ABOVE ACCESSIBLE CEILINGS DIRECTLY TO THE TELECOMMUNICATIONS ROOMS AS INDICATED ON THE DRAWINGS. PULL-TENSION AND MINIMUM BEND RADII SHALL COMPLY WITH MANUFACTURER RECOMMENDATIONS.
- INSTALL NEW WORK AND CONNECT TO EXISTING WORK, WHEN APPLICABLE, WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS MAY ONLY BE PERFORMED WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES. ALARM AND EMERGENCY SYSTEMS SHALL NOT BE INTERRUPTED.
- ANY DAMAGE TO PARTITIONS, FLOORS, CEILING OR ANY PART OF THE BUILDING OR EQUIPMENT CAUSED BY THE CONTRACTOR SHALL BE MADE GOOD AT NO ADDITIONAL EXPENSE TO THE OWNER.
- UPON COMPLETION OF THE WORK, "AS-BUILT" DRAWINGS SHALL BE SUBMITTED TO THE OWNER. REFER TO SPECIFICATIONS FOR QUANTITIES.
- CONTRACTOR SHALL VISIT AND BECOME FAMILIAR WITH EXISTING CONDITIONS OF THE AREAS EFFECTED BY THIS WORK THROUGH A CAREFUL EXAMINATION. THIS EXAMINATION SHALL BE DONE PRIOR TO SUBMITTING A PROPOSAL. A SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED THAT COULD BE FORESEEN THROUGH SUCH AN EXAMINATION.
- CONTRACTOR, BEFORE INSTALLING ANY WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALL, ETC., AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS SO INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGNS CANNOT BE FOLLOWED, CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
- FINAL ACCEPTANCE IS TO BE MADE AFTER THE CONTRACTOR HAS DEMONSTRATED THAT THE WORK FULFILLS THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.
- ANY BLOCK WALL WITHOUT EXISTING PENETRATIONS MUST BE CORED/DRILLED BY THE CONTRACTOR BASED ON FIELD CONDITIONS.
- ALL WORK IS SUBJECT TO FULL FIELD COORDINATION BY CONTRACTOR.
- COORDINATE INSTALLATION OF CONDUITS, CABLE TRAYS AND J-HOOKS WITH ALL OTHER COMPONENTS AND/OR TRADES WITHIN THE CEILING SPACE.
- COORDINATE WITH ELECTRICAL CONTRACTOR FOR THE ROUTING OF ALL STUB-UPS AND/OR RACEWAYS TO EACH TELECOMMUNICATIONS OUTLET BOX. STUB-UPS AND RACEWAYS SHALL BE RUN TO THE NEAREST ACCESSIBLE CEILING SPACE.
- FIRE-STOPPING SHALL BE INSTALLED AT ALL LOCATIONS THAT A CABLE, CONDUIT OR SLEEVE PENETRATES A FIRE-RATED PARTITION, FLOOR, OR SLAB IN ACCORDANCE WITH ALL APPLICABLE CODES.
- ALL RACKS, FRAMES, CABINETS, TERMINATION BLOCKS, CABLES, WORKSTATION OUTLETS, GROUNDING BUS BARS, GROUNDING JUMPERS, CABLE SUPPORTS, ETC. SHALL BE LABELED IN ACCORDANCE WITH EIA/TIA 606.
- OUTLET IDENTIFICATION NUMBERING SHALL BE AS DIRECTED BY OWNER'S MIS/IT DEPARTMENT. INSTALLATION SHALL COMPLY WITH SPECIFICATIONS. EACH CABLE SHALL BE TAGGED AT ALL TERMINATION POINTS.
- ALL CONDUIT AND SLEEVE ENDS SHALL HAVE PROTECTIVE BUSHINGS. PROTECTIVE GROMMETS SHALL BE PROVIDED AT ALL PENETRATIONS FOR CABLING THROUGH METAL STUDS. PULLING OR LAYING CABLE OVER SHARP EDGES IS NOT PERMITTED.
- CONTRACTOR SHALL COORDINATE FINISH COLOR AND MOUNTING HEIGHT REQUIREMENTS WITH THE ARCHITECT.

TELECOMMUNICATIONS SYMBOL LEGEND

	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A F/UTP CABLES
	WALL-MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A F/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A F/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A F/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A F/UTP CABLES
	WAP CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A F/UTP CABLES
	WS SECURITY WORKSTATION TWO (2) CATEGORY 6A F/UTP CABLES
	ICM VID SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A F/UTP CABLES
	ICM MST MASTER INTERCOM STATION ONE (1) CATEGORY 6A F/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A F/UTP CABLES

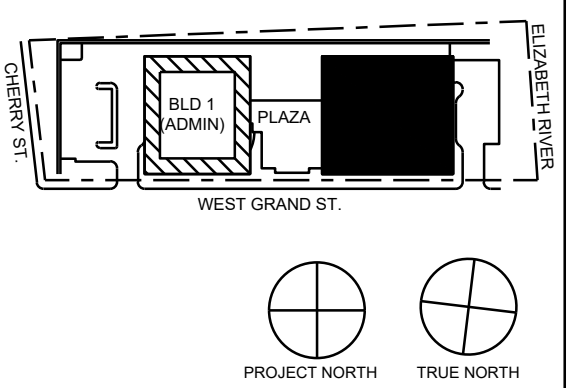
TELECOMMUNICATIONS OUTLET ID



TELECOMMUNICATIONS DRAWING LIST

TC2-001.00	TELECOMMUNICATIONS NOTES, SYMBOL LIST & DRAWING LIST
TC2-100.00	LEVEL 0 TELECOMMUNICATIONS FLOOR PLAN
TC2-101.00	LEVEL 1 TELECOMMUNICATIONS FLOOR PLAN
TC2-102.00	LEVEL 2 TELECOMMUNICATIONS FLOOR PLAN
TC2-103.00	LEVEL 3 TELECOMMUNICATIONS FLOOR PLAN
TC2-104.00	LEVEL 4 TELECOMMUNICATION FLOOR PLAN
TC2-105.00	LEVEL 5 TELECOMMUNICATIONS FLOOR PLAN
TC2-106.00	LEVEL 6 TELECOMMUNICATIONS FLOOR PLAN
TC2-107.00	LEVEL 7 TELECOMMUNICATIONS FLOOR PLAN
TC2-108.00	EMR TELECOMMUNICATIONS FLOOR PLAN
TC2-200.00	LEVEL 0 TELECOMMUNICATIONS RCP PLAN
TC2-201.00	LEVEL 1 TELECOMMUNICATION RCP PLAN
TC2-202.00	LEVEL 2 TELECOMMUNICATIONS RCP PLAN
TC2-203.00	LEVEL 3 TELECOMMUNICATIONS RCP PLAN
TC2-204.00	LEVEL 4 TELECOMMUNICATIONS RCP PLAN
TC2-205.00	LEVEL 5 TELECOMMUNICATIONS RCP PLAN
TC2-206.00	LEVEL 6 TELECOMMUNICATIONS RCP PLAN
TC2-207.00	LEVEL 7 TELECOMMUNICATIONS RCP PLAN
TC2-400.00	TELECOMMUNICATIONS LEVEL 0 DEMARC ROOM PART PLAN
TC2-401.00	TELECOMMUNICATIONS LEVEL 1 IT ROOM PART PLAN
TC2-402.00	TELECOMMUNICATIONS LEVEL 2 IT ROOM PART PLAN
TC2-403.00	TELECOMMUNICATIONS LEVEL 3 IT ROOM PART PLAN
TC2-404.00	TELECOMMUNICATIONS LEVEL 4 IT ROOM PART PLAN
TC2-405.00	TELECOMMUNICATIONS LEVEL 5 IT ROOM PART PLAN
TC2-406.00	TELECOMMUNICATIONS LEVEL 6 IT ROOM PART PLAN
TC2-501.00	TELECOMMUNICATIONS DETAILS
TC2-601.00	TELECOMMUNICATIONS RISER DIAGRAM

KEY PLAN:



11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	
No.	Date	Description
Revisions / Issues		

15 Bathurst Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezo, AIA
 NJ RA AI 00827193

PRELIMINARY
 NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY 07202

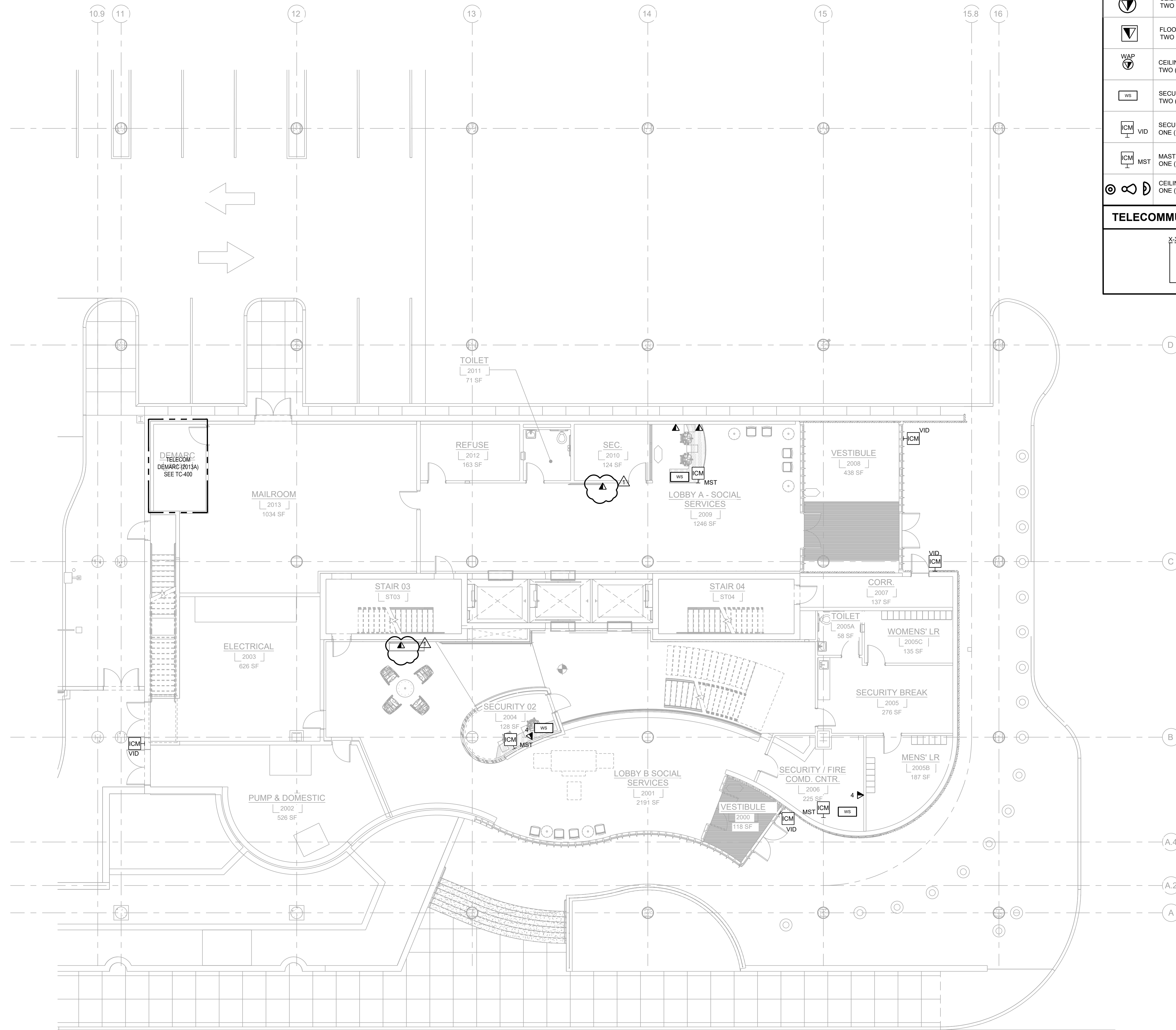
Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: MD
 Checked By: DJ

Sheet Name:
 TELECOMMUNICATIONS NOTES, SYMBOL LIST & DRAWING LIST

Sheet No: DOB NOW JOB #

TC2-001.00

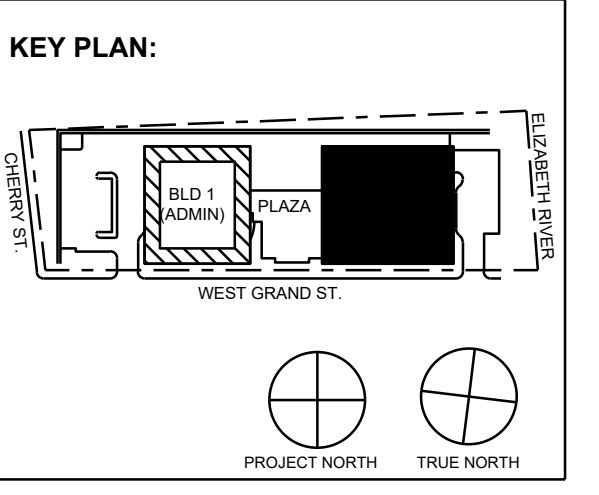
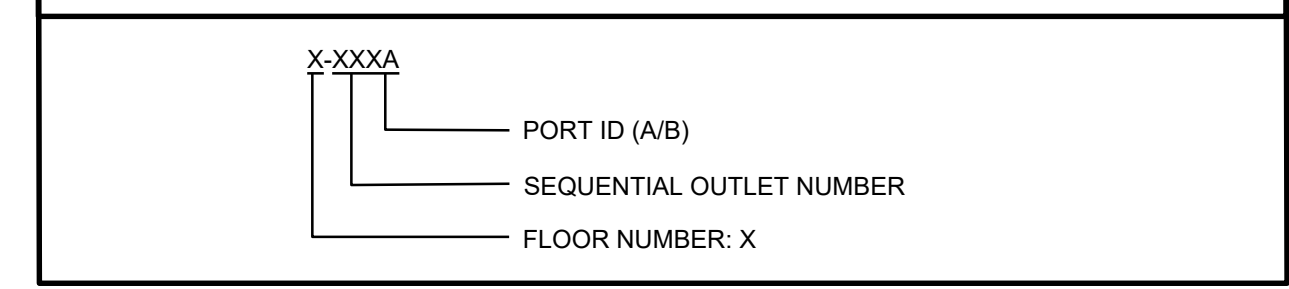




TELECOMMUNICATIONS SYMBOL LEGEND

	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	WALL-MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A FI/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY WORKSTATION TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A FI/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A FI/UTP CABLES

TELECOMMUNICATIONS OUTLET ID



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Verozola, AIA
 NJ RA AI 03827193



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: MD
 Checked By: DJ

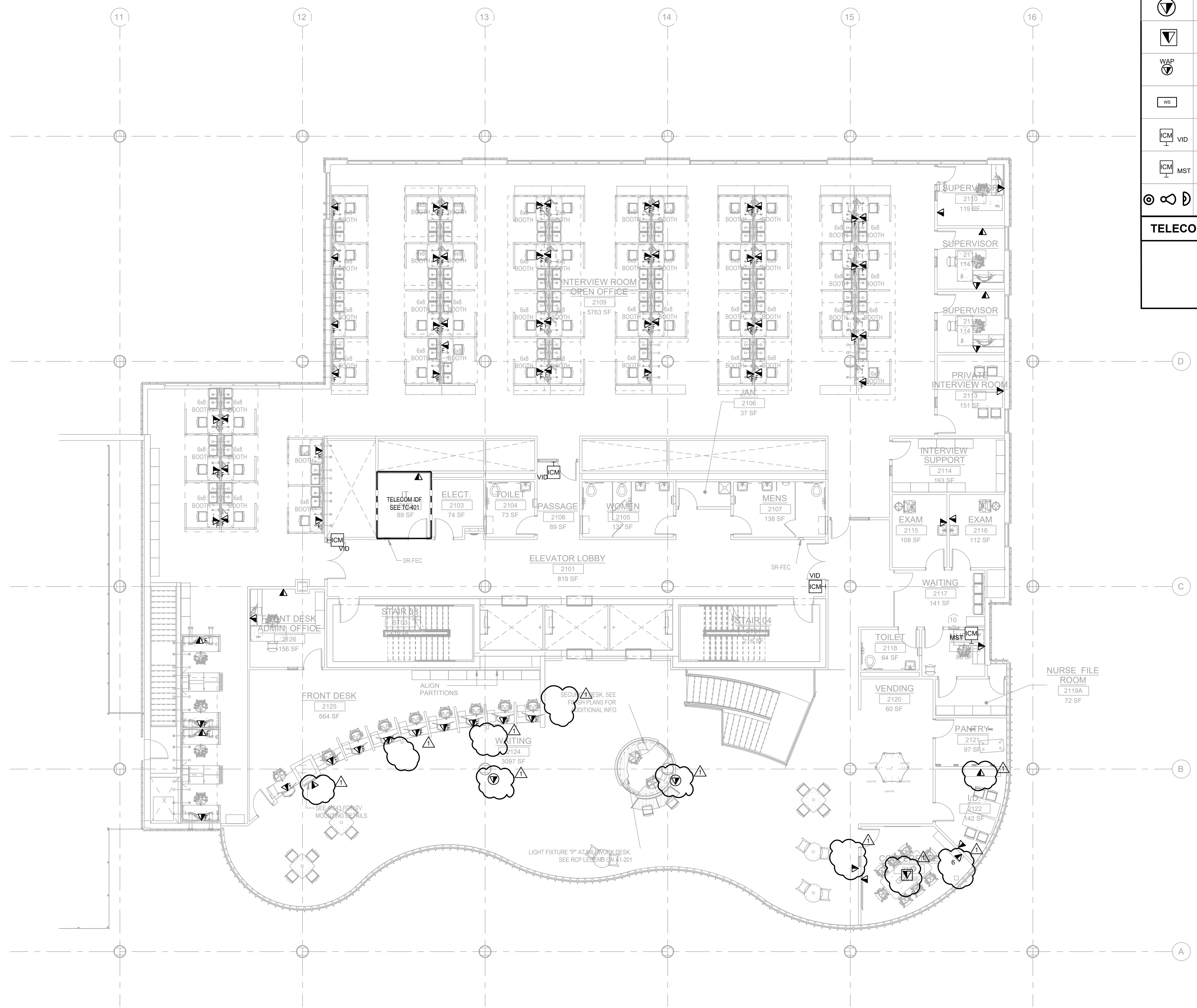
Sheet Name:
LEVEL 0 TELECOMMUNICATION PLAN

Sheet No: _____ DOB NOW JOB # _____

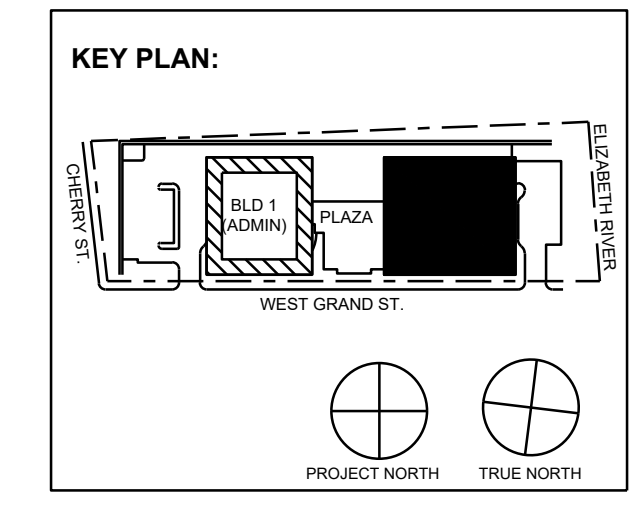


TC2-100.00

1/8"=1'-0"



TELECOMMUNICATIONS SYMBOL LEGEND	
	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	WALL-MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A FI/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A F/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A F/UTP CABLES
	SECURITY WORKSTATION TWO (2) CATEGORY 6A F/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A F/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A F/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A FI/UTP CABLES
TELECOMMUNICATIONS OUTLET ID	
	X-XXXXA PORT ID (A/B) SEQUENTIAL OUTLET NUMBER FLOOR NUMBER: X



No.	Date	Description
1	11/30/2023	ISSUED FOR ADDENDUM 1
2	11/09/2023	ISSUED FOR PUBLIC BID
3	09/29/2023	ISSUED FOR REVIEW

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Verozina, AIA
 NJ RA AI 03827193

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

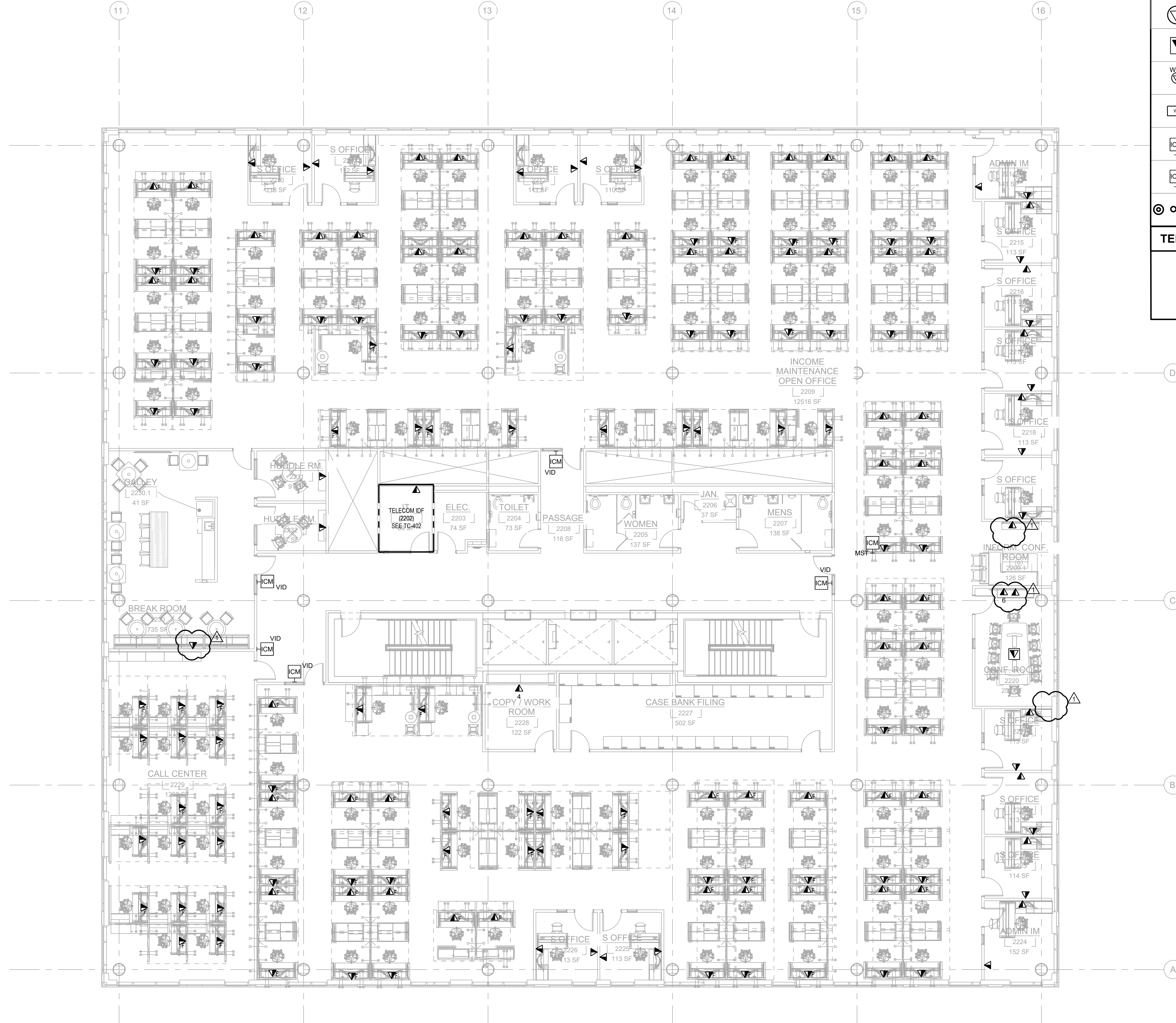
Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: MD
 Checked By: DJ

Sheet Name:
LEVEL 1 TELECOMMUNICATION PLAN

Sheet No: _____ DOB NOW JOB # _____
TC2-101.00

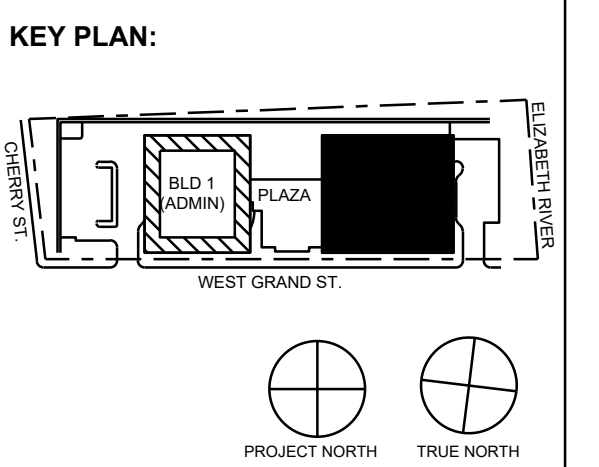
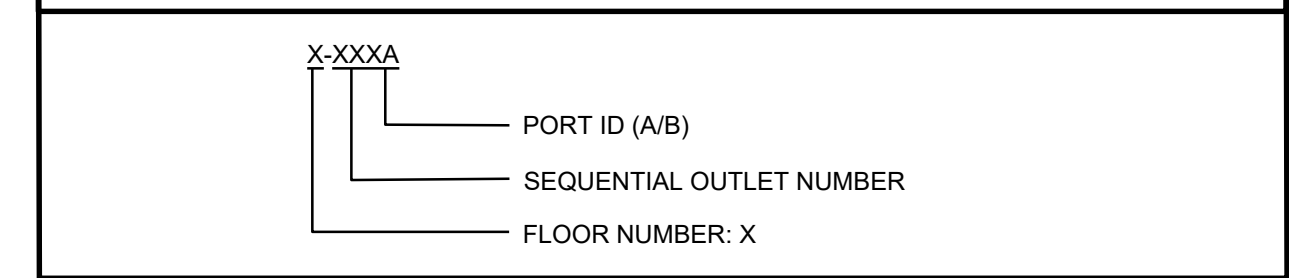




TELECOMMUNICATIONS SYMBOL LEGEND

	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	WALL-MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A FI/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY WORKSTATION TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A FI/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A FI/UTP CABLES

TELECOMMUNICATIONS OUTLET ID



No.	Date	Description
1	11/30/2023	ISSUED FOR ADDENDUM 1
2	11/09/2023	ISSUED FOR PUBLIC BID
3	09/29/2023	ISSUED FOR REVIEW

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA AI 00827190



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

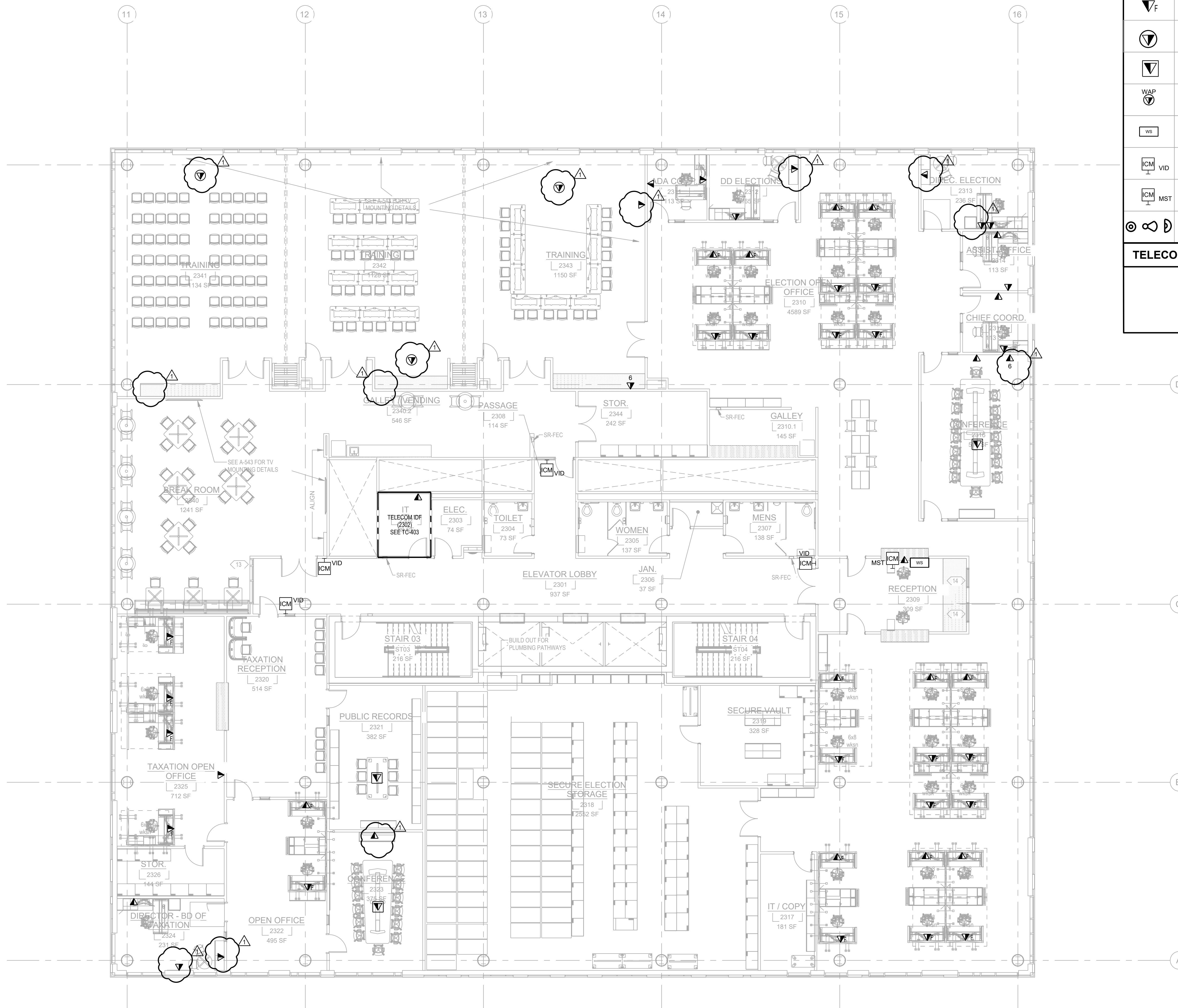
Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: MD
 Checked By: DJ

Sheet Name:
LEVEL 2 TELECOMMUNICATION PLAN

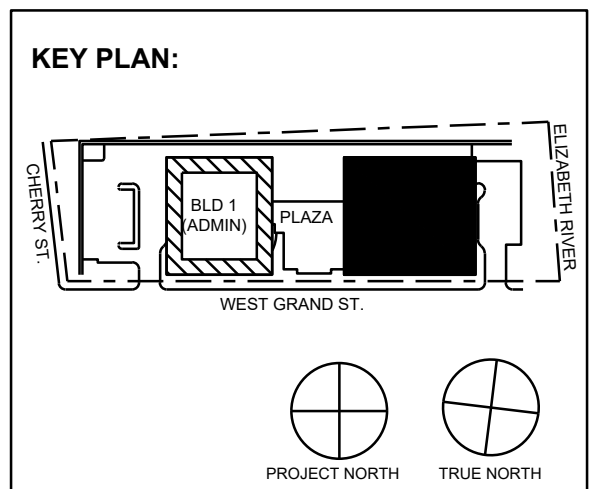
Sheet No: _____ DOB NOW JOB # _____



TC2-102.00



TELECOMMUNICATIONS SYMBOL LEGEND	
	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	WALL-MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A FI/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY WORKSTATION TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A FI/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A FI/UTP CABLES
TELECOMMUNICATIONS OUTLET ID	
	PORT ID (A/B)
	SEQUENTIAL OUTLET NUMBER
	FLOOR NUMBER: X



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezio, AIA
 NJ RA AI 03827193

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY 07202

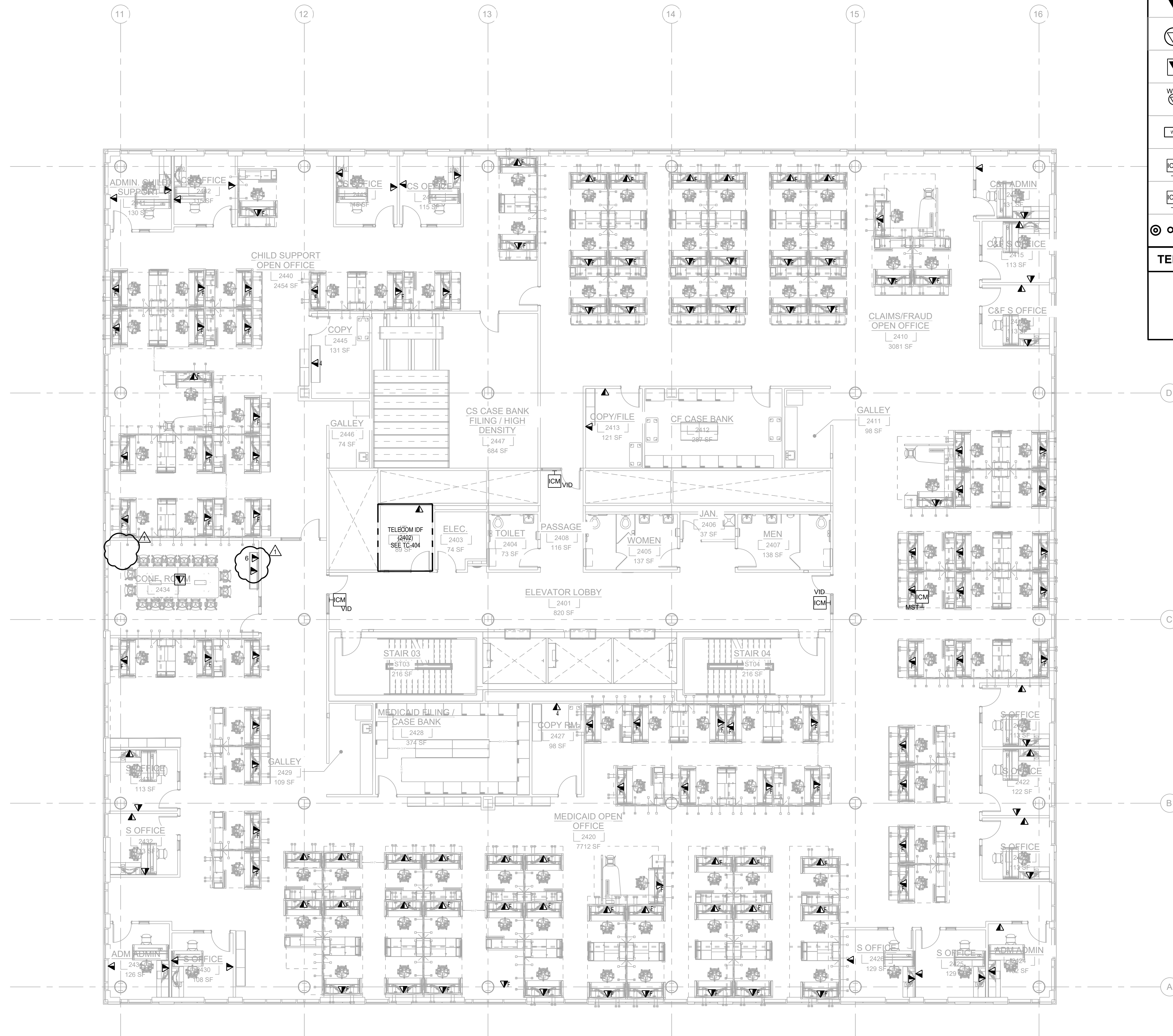
Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: MD
 Checked By: DJ

Sheet Name:
LEVEL 3 TELECOMMUNICATION PLAN

Sheet No: _____ DOB NOW JOB # _____



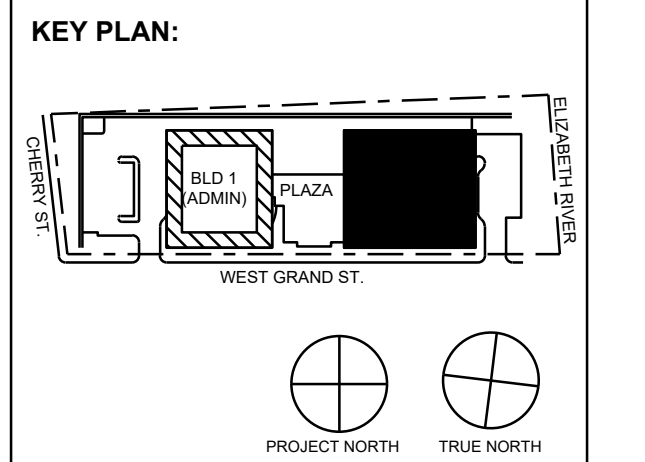
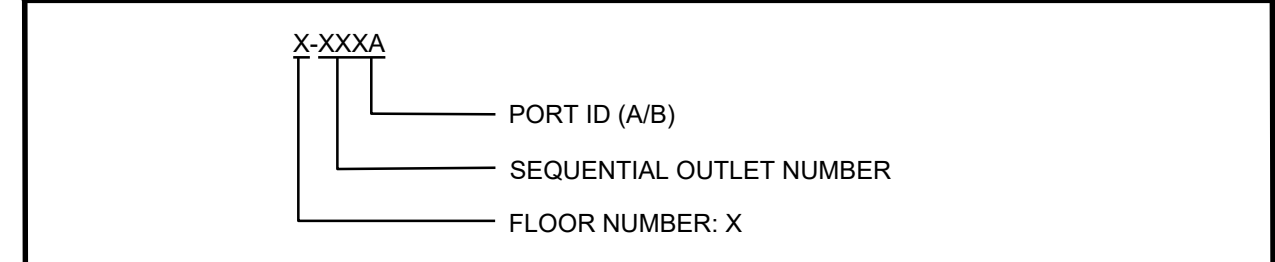
TC2-103.00



TELECOMMUNICATIONS SYMBOL LEGEND

	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	WALL-MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A FI/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY WORKSTATION TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A FI/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A FI/UTP CABLES

TELECOMMUNICATIONS OUTLET ID



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezio, AIA
 NJ RA AI 03827193

**PRELIMINARY
 NOT FOR CONSTRUCTION**

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: MD
 Checked By: DJ

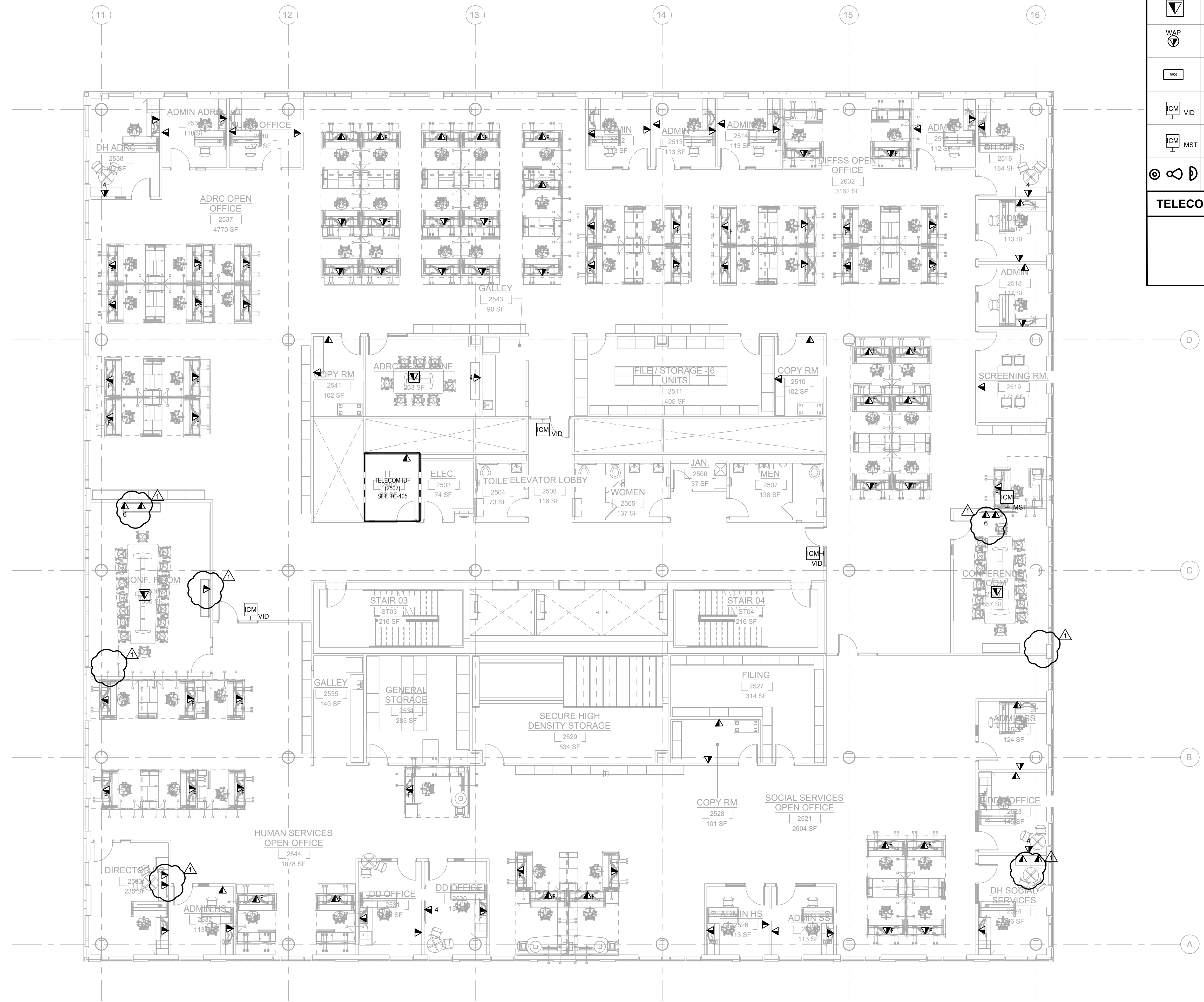
Sheet Name:
LEVEL 4 TELECOMMUNICATION PLAN

Sheet No: _____ DOB NOW JOB # _____



TC2-104.00

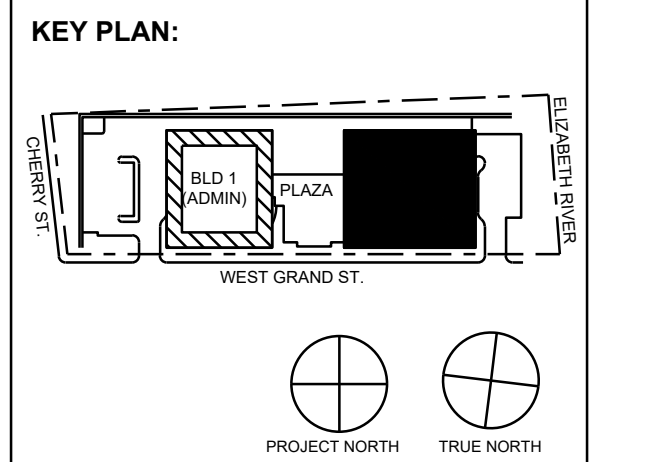
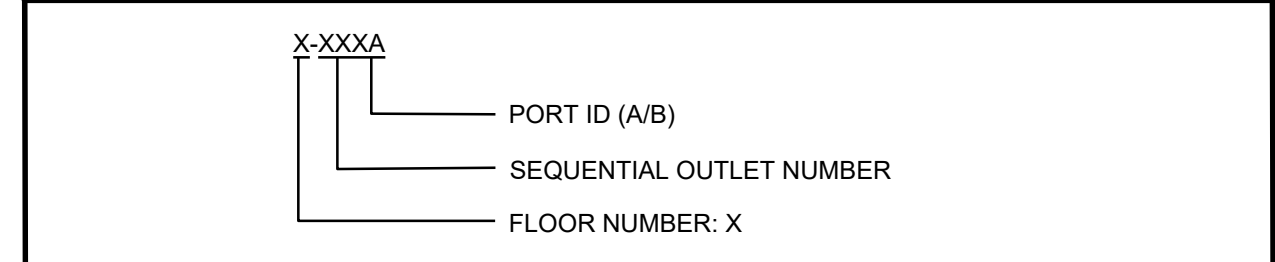
1/8"=1'-0"



TELECOMMUNICATIONS SYMBOL LEGEND

	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	WALL-MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A FI/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY WORKSTATION TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A FI/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A FI/UTP CABLES

TELECOMMUNICATIONS OUTLET ID



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venzon, AIA
 NJ RA AI 03827193



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

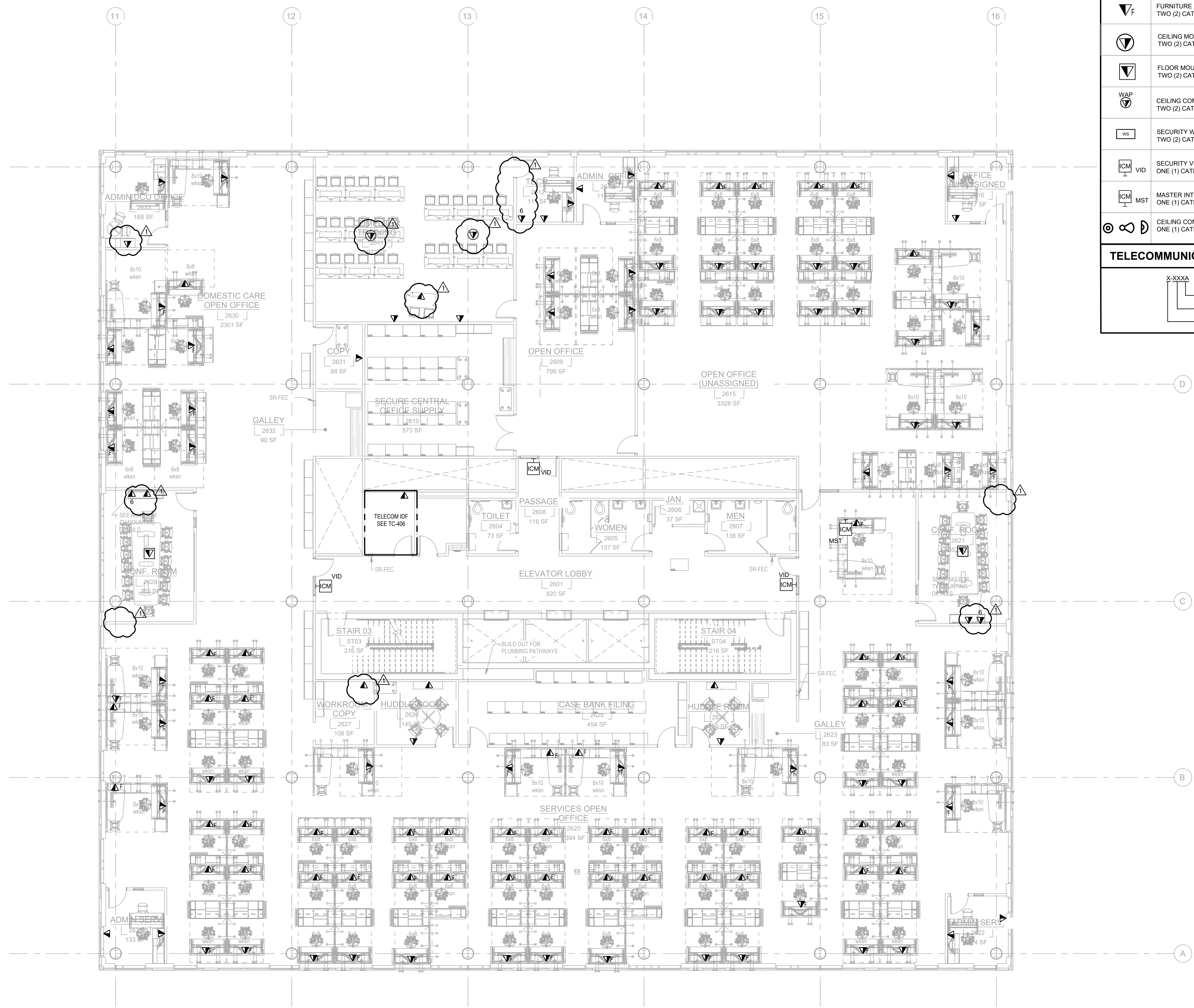
Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: MD
 Checked By: DJ

Sheet Name:
LEVEL 5 TELECOMMUNICATION PLAN

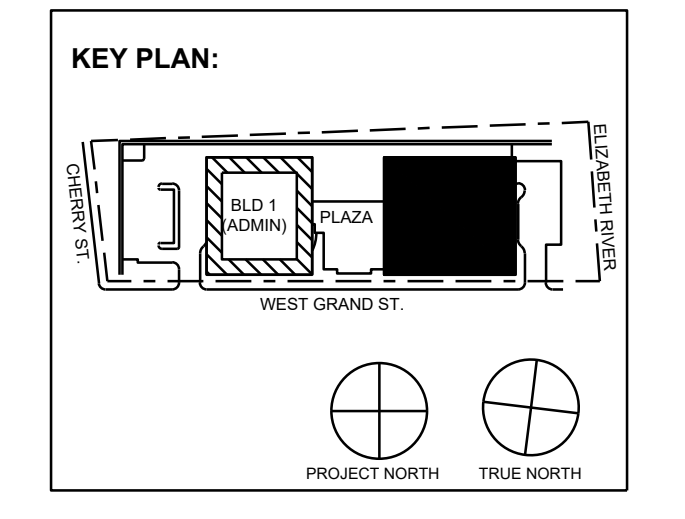
Sheet No: _____ DOB NOW JOB # _____



TC2-105.00



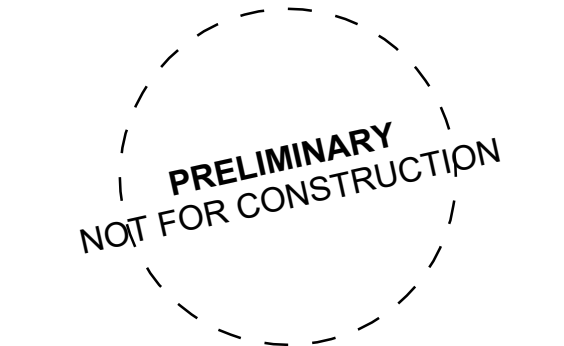
TELECOMMUNICATIONS SYMBOL LEGEND	
	WALL-MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	WALL-MOUNTED COMMUNICATIONS OUTLET X CATEGORY 6A FI/UTP CABLES
	FURNITURE MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	FLOOR MOUNTED COMMUNICATIONS OUTLET TWO (2) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR WIRELESS ACCESS POINT TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY WORKSTATION TWO (2) CATEGORY 6A FI/UTP CABLES
	SECURITY VIDEO INTERCOM ONE (1) CATEGORY 6A FI/UTP CABLES
	MASTER INTERCOM STATION ONE (1) CATEGORY 6A FI/UTP CABLES
	CEILING COMMUNICATION OUTLET FOR SECURITY CAMERA ONE (1) CATEGORY 6A FI/UTP CABLES
TELECOMMUNICATIONS OUTLET ID	
	PORT ID (A/B) SEQUENTIAL OUTLET NUMBER FLOOR NUMBER: X



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venzon, AIA
 NJ RA AI 03827193



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT
 COMPLEX - BUILDING 2
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: MD
 Checked By: DJ

Sheet Name:
 LEVEL 6
 TELECOMMUNICATION PLAN

Sheet No: _____ DOB NOW JOB # _____



TC2-106.00

1/8"=1'-0"

AUDIO VISUAL DRAWING NOTES	
1.	OVERHEAD LIGHTING THAT SHINES DIRECTLY ON A VIDEO DISPLAY OR PROJECTION SCREEN SHALL BE SEPARATELY ZONED AND CONTROLLABLE INDEPENDENT OF THE OTHER LIGHTING FIXTURES WITHIN THE ROOM.
2.	ALL CONDUIT, JUNCTION BOXES, DEVICES, ETC. ON THE AV ELECTRICAL PLANS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR, U.O.N.
3.	POWER FOR AUDIO-VISUAL SYSTEMS SHALL ALL SHARE A COMMON GROUND AND BE POWERED FROM A COMMON PHASE - REFER TO AV-001 FOR ADDITIONAL AV RELATED ELECTRICAL NOTES.
4.	REFER TO LCD DISPLAY BLOCKING NOTE ON AV-001.00.

AUDIO VISUAL DRAWING LIST	
AV1-001.00	AUDIO VISUAL SCHEDULES AND NOTES
AV1-101.00	LEVEL 1 AUDIO VISUAL PLAN
AV1-102.00	LEVEL 2 AUDIO VISUAL PLAN
AV1-103.00	LEVEL 3 AUDIO VISUAL PLAN
AV1-104.00	LEVEL 4 AUDIO VISUAL PLAN
AV1-105.00	LEVEL 5 AUDIO VISUAL PLAN
AV1-301.00	LEVEL 1 AUDIO VISUAL LOW VOLTAGE PLAN
AV1-302.00	LEVEL 2 AUDIO VISUAL LOW VOLTAGE PLAN
AV1-303.00	LEVEL 3 AUDIO VISUAL LOW VOLTAGE PLAN
AV1-304.00	LEVEL 4 AUDIO VISUAL LOW VOLTAGE PLAN
AV1-305.00	LEVEL 5 AUDIO VISUAL LOW VOLTAGE PLAN
AV1-501.00	AUDIO VISUAL DETAILS
AV1-502.00	AUDIO VISUAL DETAILS
AV1-503.00	AUDIO VISUAL DETAILS
AV-801.00	AUDIO VISUAL EQUIPMENT LIST
AV-802.00	AUDIO VISUAL EQUIPMENT LIST

AUDIO VISUAL INSTALLATION NOTES	
1.	MOUNTING HEIGHTS ARE TO THE CENTER OF DEVICE, UNLESS OTHERWISE NOTED.
2.	ALL CABLING SHALL BE HOME-RUN BETWEEN POINTS. NO SPLICING SHALL BE PERMITTED.
3.	CONTRACTOR SHALL PROVIDE 15' SERVICE LOOP FOR ALL CABLING AT EQUIPMENT RACK LOCATIONS & PULL BOXES.
4.	ALL CABLING SHALL BE LABELED FOR EASY IDENTIFICATION AT BOTH TERMINATION POINTS AND AT INTERMEDIATE PULL-POINTS. LABELS SHALL BE MACHINE PRINTED, SELF-LAMINATING AND CONTAIN THE FOLLOWING INFORMATION IN 1/8" TEXT: CABLE ID, SOURCE DEVICE, DESTINATION DEVICE.
5.	ALL AUDIO VISUAL WALL CONTROLS SHALL BE MOUNTED TO MATCH STANDARD LIGHT SWITCH HEIGHT FOR THE PROJECT.
6.	ALL RIGGING SHALL COMPLY WITH FEDERAL SPECIFICATION FF-C-450 FOR WIRE AND CLAMPS.
7.	ALL 70V SPEAKERS SHALL BE TAPPED OR SET AT THE HIGHEST POWER SETTING UNLESS OTHERWISE NOTED.
8.	ALL HARDWARE SHALL BE TIGHTENED TO MANUFACTURER SPECIFIC TORQUE.
9.	FORCED STEEL HARDWARE IS REQUIRED. MALLEABLE CAST IRON CLAMPS OR CLIPS SHALL NOT BE USED.
10.	CONTRACTOR SHALL OBTAIN APPROVAL BEFORE DRILLING OR CUTTING BUILDING STRUCTURE TO AVOID COMPROMISING STRUCTURAL INTEGRITY.
11.	ALL CLAMPS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS FOR QUANTITIES, SIZING, SPACING, WIRE ROPE LAY AND TORQUE.
12.	CONSTRUCTION EPOXY USED TO ADHERE THREADED ROD TO BE SPECIFIED BY THE PROJECT STRUCTURAL ENGINEER.

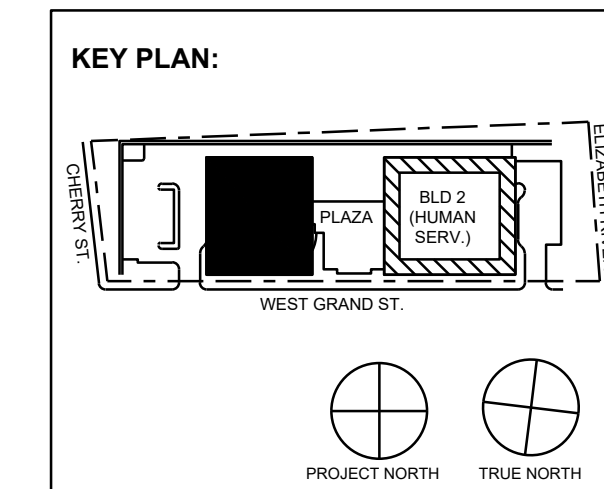
AUDIO VISUAL GENERAL NOTES	
1.	ALL SYMBOLS AND NOTES ARE NOT NECESSARY APPLICABLE TO THIS DOCUMENT PACKAGE.
2.	CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DESIGN ASPECTS WITH AN ON-SITE INSPECTION OF EXISTING CONDITIONS.
3.	OBTAINING ALL NECESSARY PERMITS AND ANY RELATED FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4.	GENERAL CONTRACTOR TO PROVIDE BLOCKING FOR ALL DISPLAYS. A 4'X8' CONTINUOUS SHEET OF 1" TO 1-1/2" PLYWOOD SECURED TO A MINIMUM OF 3 WALL STUDS SHALL BE INSTALLED FOR ALL DISPLAYS GREATER THAN 55" DIAGONAL AND EQUAL OR LESS THAN 90" DIAGONAL. A 4'X4' CONTINUOUS SHEET OF 1" TO 1-1/2" PLYWOOD SECURED TO A MINIMUM OF 3 WALL STUDS SHALL BE INSTALLED FOR EACH DISPLAY 55" DIAGONAL OR SMALLER. DISPLAYS EXCEEDING 90" DIAGONAL SHALL HAVE THE BLOCKING REQUIREMENTS REVIEWED BY A STRUCTURAL ENGINEER.
5.	ALL WALLS WITH DISPLAYS SHALL BE STRUCTURAL SUPPORTED TO THE DECK ABOVE.
6.	GENERAL CONTRACTOR SHALL PROVIDE ALL REQUIRED STRUCTURAL BUILDING ATTACHMENTS.
7.	SUFFICIENT COOLING CAPACITY FOR AUDIO VISUAL EQUIPMENT, INCLUDING AIR CONDITIONING, EXHAUST FANS, UNDERCUT DOORS, ETC. SHALL BE PROVIDED BY OTHERS.
8.	ALL TABLE-TOP BOXES SHALL BE FURNISHED AND INSTALLED BY THE FURNITURE VENDOR, UNLESS OTHERWISE NOTED.
9.	ALL RIGGING REQUIRED FOR THIS PROJECT SHALL BE SUBMITTED TO AND APPROVED BY A STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
10.	ALL PLATE FINISHES AND LOCATIONS SHALL BE VERIFIED WITH THE ARCHITECT, OWNER AND INTERIOR DESIGNER PRIOR TO PURCHASE.

AUDIO VISUAL ELECTRICAL NOTES	
1.	ELECTRICAL WORK TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND LOCAL AUTHORITIES HAVING JURISDICTION.
2.	ALL OUTLETS, CONDUIT, JUNCTION BOXES AND BACK BOXES SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED.
3.	ALL CONDUITS SHALL BE DEBURRED, CLEANED, GROMMETED, TAGGED AND FURNISHED WITH PULL TAPES.
4.	POWER RECEPTACLES SHOWN ON THESE DRAWINGS ARE INTENDED FOR SPECIFIC AUDIOVISUAL EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL UTILITY POWER RECEPTACLES.
5.	ELECTRICAL PANEL(S) SERVING AUDIO EQUIPMENT SHALL HAVE AN ISOLATED GROUND AND SHALL NOT BE SHARED WITH EQUIPMENT THAT CAN CREATE LINE NOISE SUCH AS MOTORS OR HIGH FREQUENCY EQUIPMENT SUCH AS NETWORK SERVERS.
6.	ALL AUDIO EQUIPMENT SHALL BE SUPPLIED WITH 120V, SINGLE-PHASE POWER WITH LESS THAN 5-VOLTS BETWEEN PHASE AND NEUTRAL.
7.	AUDIOVISUAL RECEPTACLES WITHIN A SYSTEM SHALL SHARE A COMMON PHASE AND COMMON GROUND.
8.	EXACT OUTLET HEIGHTS TO BE DETERMINED BY ARCHITECT.
9.	CONDUIT RUNS ON THESE DRAWINGS DIAGRAMMATICALLY SHOW INTERCONNECTION BETWEEN TERMINATION POINTS. THE EXACT PATH OF CONDUITS ARE TO BE DETERMINED BY THE CONTRACTOR AND FIELD CONDITIONS. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL BY AV DESIGNER AND ELECTRICAL ENGINEER.
10.	ALL CONDUIT RUNS SHALL BE CONCEALED WITHIN WALLS, WITHIN THE SLAB OR WITHIN THE CEILING PLENUM, UNLESS OTHERWISE NOTED.
11.	OUTDOOR CONDUIT RUNS MUST USE WATER-TIGHT FITTING AND TERMINATE AT WATER-TIGHT JUNCTION BOXES.
12.	CONTRACTOR TO CONFIRM ALL CONDUIT DIAMETERS ON DRAWINGS ARE SUFFICIENT FOR INDICATED TOTAL CABLE SIZE / QUANTITIES AND ELECTRICAL CODES.

AUDIO VISUAL ABBREVIATIONS	
A	AMPERES
ACP	ACCESS CONTROL PANEL
AP	ACCESS POINT
AFF	ABOVE FINISHED FLOOR
AV	AUDIO VISUAL
AVC	AUDIO VISUAL CONTRACTOR
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
BTU	BRITISH THERMAL UNITS
CCTV	CLOSED CIRCUIT TELEVISION
COND	CONDUCTOR
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT
DEMARC	DEMARCATION POINT
DWG	DRAWING
ELEC	ELECTRICAL
EMI	ELECTROMAGNETIC INTERFERENCE
EMT	ELECTRICAL METALLIC TUBING
FB	FLOOR BOX
FTP	FOIL TWISTED PAIR
FI/FTP	OVERALL FOIL SCREENED WITH UNSHIELDED TWISTED PAIR
GC	GENERAL CONTRACTOR
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HZ	HERTZ
IDF	INTERMEDIATE DISTRIBUTION FRAME
IT	INFORMATION TECHNOLOGY
KHZ	KILOHERTZ
KW	KILOWATT
KVM	KEYBOARD, VIDEO, MOUSE
LAN	LOCAL AREA NETWORK
MAX	MAXIMUM
MDF	MAIN DISTRIBUTION FRAME
MHZ	MEGAHERTZ
MIN	MINIMUM
MM	MULTIMODE
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NM	NANOMETER
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
OPE	OWNER-FURNISHED EQUIPMENT
OSP	OUTSIDE PLANT
PB	PULL BOX
PC	PERSONAL COMPUTER
PDU	POWER DISTRIBUTION UNIT
POE	POWER OVER ETHERNET
PVC	POLYVINYL CHLORIDE. RIGID NON METALLIC CONDUIT
RGS	RIGID GALVANIZED STEEL
RU	RACK MOUNT UNITS
SEC	SECURITY
SM	SINGLE-MODE
STD	STANDARD
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TE	TELECOMMUNICATIONS ENCLOSURE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLT OR VOLTAGE
W	WATT
WAN	WIDE AREA NETWORK
WLAN	WIRELESS LOCAL AREA NETWORK
WP	WEATHERPROOF

AUDIOVISUAL EQUIPMENT SCHEDULE	
CMT	CAMERA MOUNT, LARGE CAMERA D, VADDIO 535-2000-290; 18 IN (W) X 18 IN (H) X 18 IN (D)
CP1	CONTROL PANEL, QSC AXON C1; 2.75 IN (W) X 4.5 IN (H) X 1.5 IN (D)
CPT2	CAMERA, SELF-CONTAINED PTF2; PANASONIC AW-JE100W; 6 IN (W) X 8 IN (H) X 6 IN (D)
CWEB	CAMERA, SELF-CONTAINED USB; LOGITECH RALLY; 7 IN (W) X 7 IN (H) X 6.75 IN (D)
FP43	FLAT PANEL DISPLAY, 43; SAMSUNG QM43R; 38.2 IN (W) X 22.2 IN (H) X 1.8 IN (D)
FP50	FLAT PANEL DISPLAY, 50; SAMSUNG QM50C; 44.2 IN (W) X 25.3 IN (H) X 1.2 IN (D)
FP55	FLAT PANEL DISPLAY, 55; SAMSUNG QM55C; 48.8 IN (W) X 28 IN (H) X 1.2 IN (D)
FP65	FLAT PANEL DISPLAY, 65; SAMSUNG QM65C; 57.3 IN (W) X 32.7 IN (H) X 1.2 IN (D)
FP75	FLAT PANEL DISPLAY, 75; SAMSUNG QM75C; 66.1 IN (W) X 37.8 IN (H) X 1.2 IN (D)
IO-T	I/O PLATE, TABLE FEED; MISC MISC-2G; 4.25 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO2	INPUT OUTPUT PLATE, 2 GANG; MISC MISC-2G; 4.25 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO2C	INPUT OUTPUT PLATE, 3 GANG; MISC MISC-3G; 7.75 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO2D	INPUT OUTPUT PLATE, 4 GANG; MISC MISC-4G; 10.5 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO4A	INPUT OUTPUT PLATE, 2 GANG; MISC MISC-2G; 4.25 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO4B	INPUT OUTPUT PLATE, 4 GANG; MISC MISC-4G; 10.5 IN (W) X 4.5 IN (H) X 1.5 IN (D)
LA-IR	IR TRANSMITTER, MISC MISC-LA-IR; 6 IN (W) X 2 IN (H) X 6 IN (D)
M-T	MICROPHONE-TABLETOP; QSC NM-T1; 4.2 IN (DIA) X 1.1 IN (D)
MCAR	MICROPHONE, WIRED CEILING AR, SHURE MXA920W; 23.77 IN (W) X 23.77 IN (H) X 3.5 IN (D)
MCD	MOUNT, CEILING, DUAL, MEDIUM; CHIEF MANU LCBU1; 17 IN (W) X 17 IN (H) X 8 IN (D)
MCL	MOUNT, CEILING DOWNROD; CHIEF LCM1U; 21 IN (W) X 16 IN (H) X 6.5 IN (D)
MCM	MOUNT, CEILING, SINGLE, MEDIUM; CHIEF MANU MCM1U; 21 IN (W) X 16 IN (H) X 6.5 IN (D)
MTL	MOUNT, WALL TILTING; CHIEF MANU LTM1U; 34.75 IN (W) X 23 IN (H) X 2 IN (D)
MTM	FLAT PANEL DISPLAY, WALLMOUNT; CHIEF MTMS1U; 24 IN (W) X 17 IN (H) X 2 IN (D)
PS	PROJECTION SCREEN, ELECTRIC; DRAPER 140039FNQU; 143 IN (W) X 7 IN (H) X 7 IN (D)
RCS	ROOM COMBINE SENSOR; MANUF AV-MODELA; 18 IN (W) X 18 IN (H) X 1 IN (D)
RK12	EQUIPMENT RACK-12 RU; MIDDLE ATLANTIC CFR-12-18; 18.5 IN (W) X 18.5 IN (H) X 18.5 IN (D)
RK44S	EQUIPMENT RACK-44 RU; MIDDLE ATLANTIC MRK4426; 22.5 IN (W) X 84 IN (H) X 26 IN (D)
SBVC	SOUNDBAR, VIDEO CONFERENCE, RALLY BAR-HUDDLE; 24 IN (W) X 4 IN (H) X 4 IN (D)
SF-A	SPEAKER, CEILING FLUSH; QSC AC-6CT; 10.5 IN (W) X 10.5 IN (H) X 8.5 IN (D)
SP-A	SPEAKER, CEILING FLUSH; QSC AC-6CT; 10.5 IN (W) X 10.5 IN (H) X 8.5 IN (D)
TE-A	TECH SUPPORT CONSOLE; TECH SUPPORT AC-6CT; 120 IN (W) X 36 IN (H) X 30 IN (D)
VP1	PROJECTOR, 7K LUMENS, LASER; PANASONIC PTRZ770LWU; 20 IN (W) X 8 IN (H) X 22 IN (D)
VPL	PROJECTOR LENS, 1.3-1.9:1; PANASONIC ETDLE150; 5 IN (W) X 5 IN (H) X 5 IN (D)
VPM	HEAVY DUTY MOUNT; CHIEF MANU VCMU; 20 IN (W) X 4 IN (H) X 4 IN (D)
RK16	RACK, 16 RU CABINET, MIDDLE ATLANTIC CFR-16-20; 19.5 IN (W) X 29 IN (H) X 20 IN (D)

AV LOW VOLTAGE SYMBOLS	
AV X-Y	WALL RECESSED JUNCTION BOX BY E.C. INSTALL AT 18" AFF, U.O.N. X: GANG SIZE OF JUNCTION BOX Y: QUANTITY OF CONDUITS FOR AV RGS: CHIEF MANU P4CS58 MULTISERVICE BOX
IF X	CONFERENCE TABLE IN-FEED / POKE-THRU DEVICE BY E.C. X: QUANTITY OF CONDUITS FOR AV
IR 1-1	ALS IR EMITTER; 1-GANG BOX, 72 IN. AFF DEVICE BY E.C. (1) 1 IN. STUD-UP CONDUIT FOR AV
⊕	QUAD POWER RECEPTACLE, PROVIDE ONE (1) 120 V, 20AMP DEDICATED CIRCUIT. FLUSH MOUNTED IN WALL AT HEIGHT INDICATED ON DRAWINGS.
▽	DATA OUTLET WITH (2) DATA PORTS
▽	DATA OUTLET WITH (X) DATA PORTS
▽RS	DATA OUTLET FOR ROOM SCHEDULER WITH ONE (1) DATA PORT
S	FLUSH CEILING MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C., CUT-OUTS BY S.C.
Ss	SURFACE MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C. (1 GANG JBOX WITH (1) 1" EC TO ACCESSIBLE CEILING)
Sp	PENDANT MOUNTED SPEAKER ASSEMBLY. MOUNTED BEHIND ACOUSTIC CEILING FABRIC; SPEAKER BY A.V.C.
AV	AV DEVICE FEED; CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED. FLENUM CABLE ONLY
AV C	AV DEVICE FEED CEILING MOUNTED; CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED. FLENUM CABLE ONLY
⊕	POWER & DATA OUTLET INSTALLED AT DECK FOR CEILING-MOUNTED DEVICES.



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	
Revisions / Issues		

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezo, AIA
NJ RA #A100827190



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

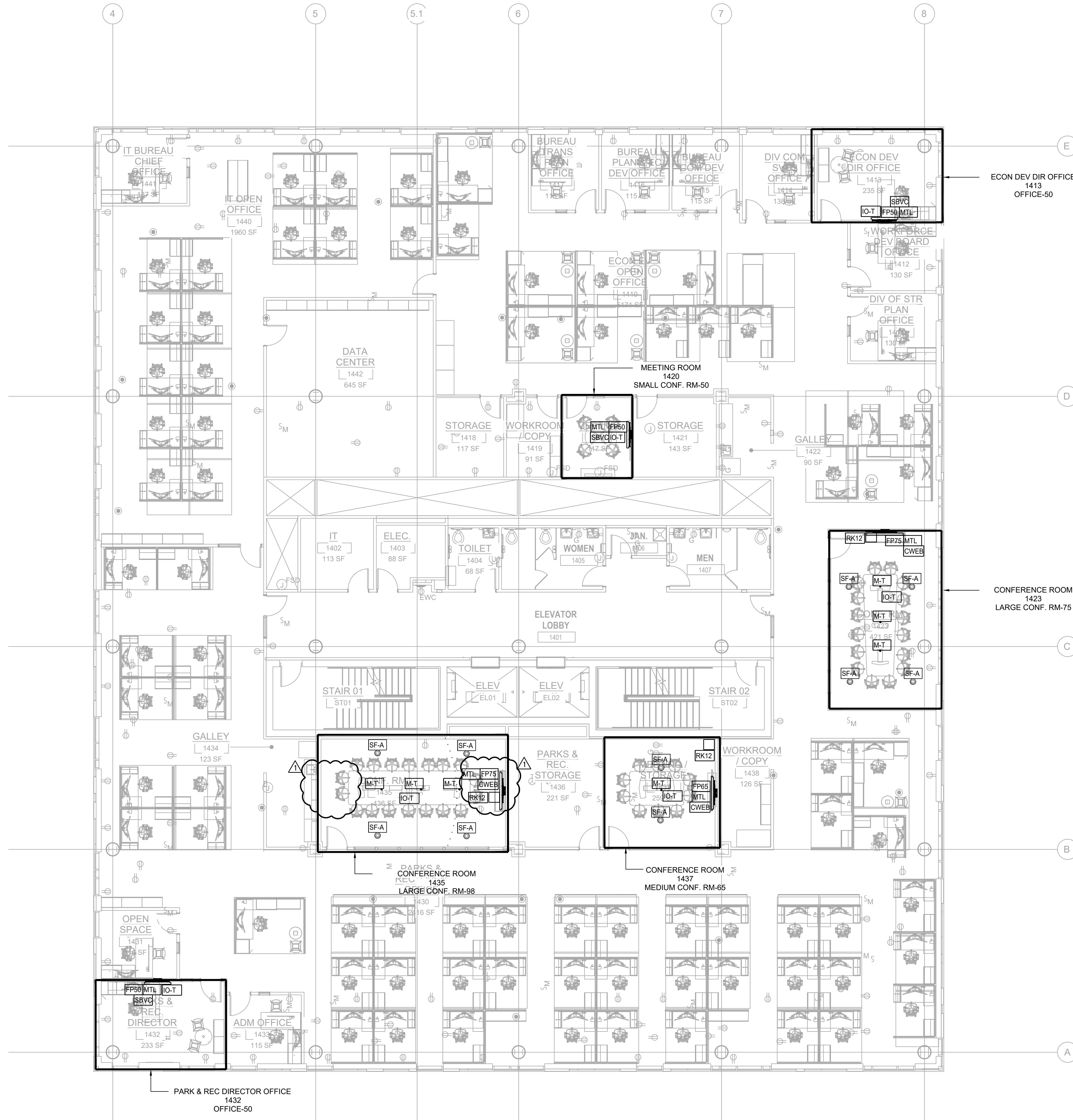
Project: UNION COUNTY GOVERNMENT COMPLEX - BUILDING 1
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

Drawing Information:
Project No: 1182.00
Date: 11/03/23
Drawn By: -
Checked By: -

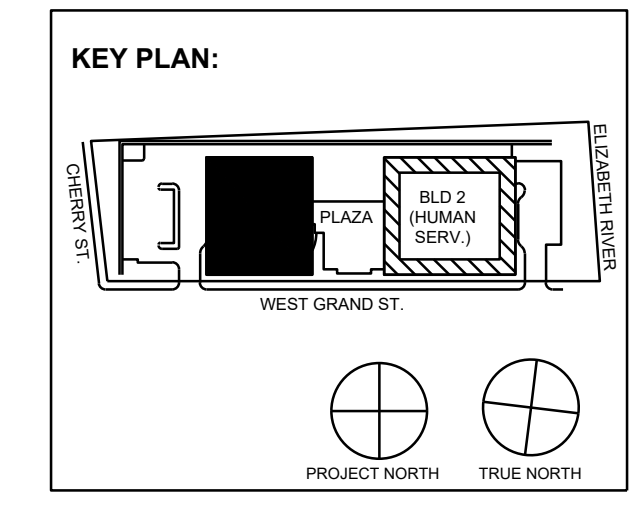
Sheet Name:

AUDIO VISUAL SCHEDULES AND NOTES
Sheet No: DOB NOW JOB #





AUDIOVISUAL EQUIPMENT SCHEDULE	
CMT	CAMERA MOUNT, LARGE CAMERA D; VADDIO 535-2000-290; IN.(W) X IN.(H) X IN.(D)
CP1	CONTROL PANEL; QSC AXON C1; 2.75 IN.(W) X 4.5 IN.(H) X 1.5 IN.(D)
CPT2	CAMERA, SELF-CONTAINED PTFZ; PANASONIC AW-UE100W; 6 IN.(W) X 8 IN.(H) X 6 IN.(D)
CWEB	CAMERA, SELF-CONTAINED USB.; LOGITECH RALLY; 7 IN.(W) X 7 IN.(H) X 6.75 IN.(D)
FP43	FLAT PANEL DISPLAY, 43; SAMSUNG QM43R; 38.2 IN.(W) X 22.2 IN.(H) X 1.8 IN.(D)
FP50	FLAT PANEL DISPLAY, 50; SAMSUNG QM50C; 44.2 IN.(W) X 25.3 IN.(H) X 1.2 IN.(D)
FP55	FLAT PANEL DISPLAY, 55; SAMSUNG QM55C; 48.8 IN.(W) X 28 IN.(H) X 1.2 IN.(D)
FP65	FLAT PANEL DISPLAY, 65; SAMSUNG QM65C; 57.3 IN.(W) X 32.7 IN.(H) X 1.2 IN.(D)
FP75	FLAT PANEL DISPLAY, 75; SAMSUNG QM75C; 66.1 IN.(W) X 37.8 IN.(H) X 1.2 IN.(D)
IO-T	IO PLATE, TABLE FEED; MISC MISC-2G; 4.25 IN.(W) X 4.5 IN.(H) X 1.5 IN.(D)
IO2	INPUT OUTPUT PLATE, 2 GANG; MISC MISC-2G; 4.25 IN.(W) X 4.5 IN.(H) X 1.5 IN.(D)
IO2C	INPUT OUTPUT PLATE, 3 GANG; MISC MISC-3G; 7.75 IN.(W) X 4.5 IN.(H) X 1.5 IN.(D)
IO2D	INPUT OUTPUT PLATE, 4 GANG; MISC MISC-4G; 10.5 IN.(W) X 4.5 IN.(H) X 1.5 IN.(D)
IO4A	INPUT OUTPUT PLATE, 2 GANG; MISC MISC-2G; 4.25 IN.(W) X 4.5 IN.(H) X 1.5 IN.(D)
IO4B	INPUT OUTPUT PLATE, 4 GANG; MISC MISC-4G; 10.5 IN.(W) X 4.5 IN.(H) X 1.5 IN.(D)
LA-IR	IR TRANSMITTER; MISC MISC-LA-IR; 6 IN.(W) X 2 IN.(H) X 6 IN.(D)
M-T	MICROPHONE- TABLETOP; QSC NM-T1; 4.2 IN.(DIA) X 1.1 IN.(D)
MCAR	MICROPHONE, WIRED CEILING AR; SHURE MXA920W; 23.77 IN.(W) X 23.77 IN.(H) X 3.5 IN.(D)
MCD	MOUNT, CEILING, DUAL, MEDIUM; CHIEF MANU LCBU1; 17 IN.(W) X 17 IN.(H) X 8 IN.(D)
MCL	MOUNT, CEILING DOWNROD, CHIEF LCM1U; 21 IN.(W) X 16 IN.(H) X 6.5 IN.(D)
MCM	MOUNT, CEILING, SINGLE, MEDIUM; CHIEF MANU MCM1U; 21 IN.(W) X 16 IN.(H) X 6.5 IN.(D)
MTL	MOUNT, WALL TILTING; CHIEF MANU LTM1U; 34.75 IN.(W) X 23 IN.(H) X 2 IN.(D)
MTM	FLAT PANEL DISPLAY, WALLMOUNT; CHIEF MTMS1U; 24 IN.(W) X 17 IN.(H) X 2 IN.(D)
PS	PROJECTION SCREEN, ELECTRIC, DRAPER 140039FNOU; 143 IN.(W) X 7 IN.(H) X 7 IN.(D)
RCS	ROOM COMBINE SENSOR; MANUF AV-MODELA; IN.(W) X IN.(H) X IN.(D)
RK12	EQUIPMENT RACK - 12 RU; MIDDLE ATLANTIC CFR-12-18; 18.5 IN.(W) X 18.5 IN.(H) X 18.5 IN.(D)
RK44S	EQUIPMENT RACK - 44 RU; MIDDLE ATLANTIC MRK4426; 22.5 IN.(W) X 84 IN.(H) X 26 IN.(D)
SBVC	SOUNDBAR, VIDEO CONFERENCE ; RALLY BAR-HUDDLE; 24 IN.(W) X 4 IN.(H) X 4 IN.(D)
SF-A	SPEAKER, CEILING FLUSH; QSC AC-6CT; 10.5 IN.(W) X 10.5 IN.(H) X 8.5 IN.(D)
SP-A	SPEAKER, CEILING FLUSH; QSC AC-6CT; 10.5 IN.(W) X 10.5 IN.(H) X 8.5 IN.(D)
TE-A	TECH SUPPORT CONSOLE; TECH SUPPORT AC-6CT; 120 IN.(W) X 36 IN.(H) X 30 IN.(D)
VP1	PROJECTOR, 7K LUMENS, LASER; PANASONIC PTRZ770LWU; 20 IN.(W) X 8 IN.(H) X 22 IN.(D)
VPL	PROJECTOR LENS, 1.3-1.8:1; PANASONIC ETDLE150; 5 IN.(W) X 5 IN.(H) X 5 IN.(D)
VPM	HEAVY DUTY MOUNT; CHIEF MANU VCMU; 20 IN.(W) X 4 IN.(H) X 4 IN.(D)
RK16	RACK, 16 RU CABINET, MIDDLE ATLANTIC CFR-16-20; 19.5 IN.(W) X 29 IN.(H) X 20 IN.(D)



No.	Date	Description
1	11/30/2023	ISSUED FOR ADDENDUM 1
2	11/09/2023	ISSUED FOR PUBLIC BID
3	09/29/2023	ISSUED FOR REVIEW

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400
 Jeffrey D. Veroz26, AIA
 NJ RA AI 03827193

**PRELIMINARY
NOT FOR CONSTRUCTION**

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 1
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

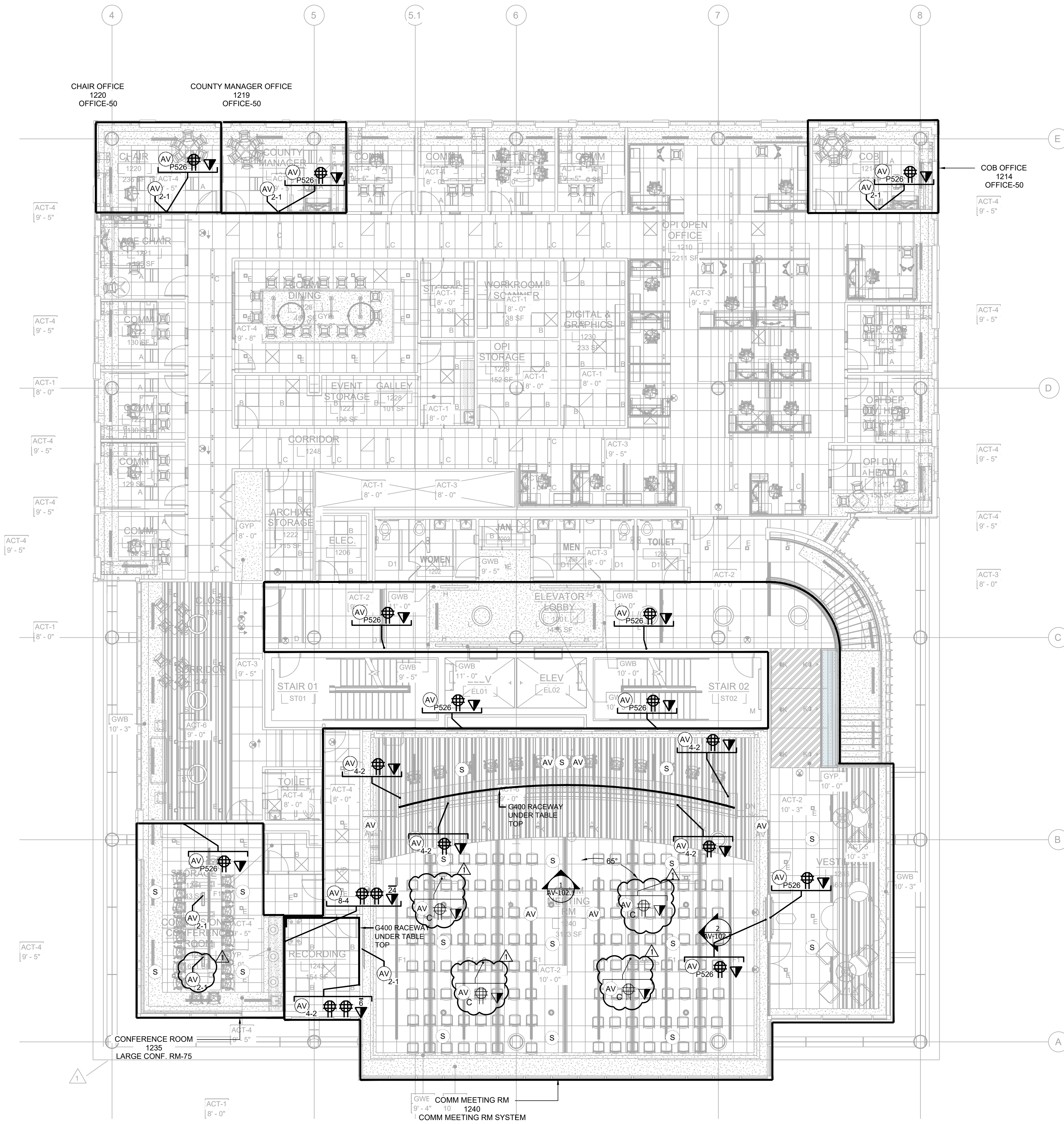
Drawing Information:
 Project No: 1182.00
 Date: 11/03/23
 Drawn By: -
 Checked By: -

Sheet Name:
**LEVEL 4
 AUDIO VISUAL
 PLAN**

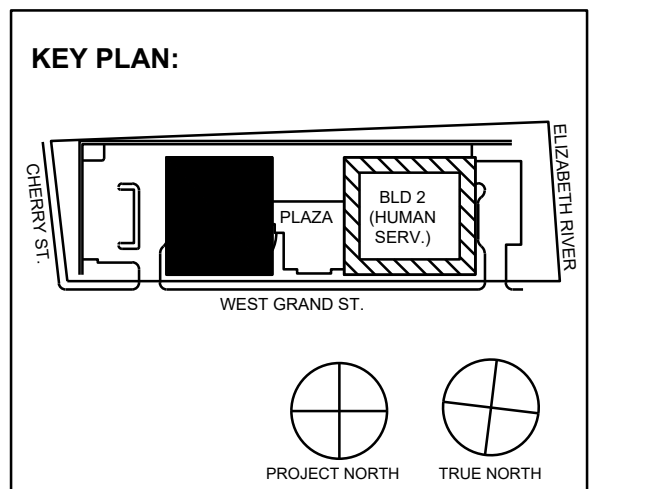
Sheet No: _____ DOB NOW JOB # _____



AV1-104.00



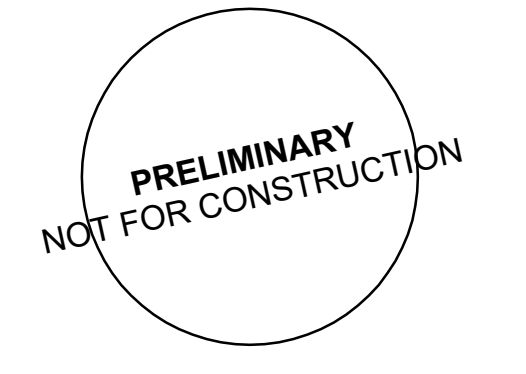
AV LOW VOLTAGE SYMBOLS	
AV 2-Y	WALL RECESSED JUNCTION BOX BY E.C. INSTALL AT 18" AFF. U.O.N X: GANG SIZE OF JUNCTION BOX Y: QUANTITY OF CONDUITS FOR AV P526: CHIEF MANU. PAC526 MULTISERVICE BOX
IF X	CONFERENCE TABLE IN-FEED / POKE-THRU DEVICE BY E.C. X: QUANTITY OF CONDUITS FOR AV
R 1-L	ALS IR EMITTER: 1-GANG BOX, 72 IN. AFF DEVICE BY E.C. (1) 1 IN. STUD-UP CONDUIT FOR AV
⊕	QUAD POWER RECEPTACLE, PROVIDE ONE (1) 120 V, 20AMP DEDICATED CIRCUIT. FLUSH MOUNTED IN WALL AT HEIGHT INDICATED ON DRAWINGS.
▼	DATA OUTLET WITH (2) DATA PORTS
▼ X	DATA OUTLET WITH (X) DATA PORTS
▼ RS	DATA OUTLET FOR ROOM SCHEDULER WITH ONE (1) DATA PORT
S	FLUSH CEILING MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C., CUT-OUTS BY G.C.
Ss	SURFACE MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C. (1 GANG, J-BOX WITH (1) 1" EC TO ACCESSIBLE CEILING)
Sp	PENDANT MOUNTED SPEAKER ASSEMBLY. MOUNTED BEHIND ACOUSTIC CEILING FABRIC. SPEAKER BY A.V.C.
AV	AV DEVICE FEED, CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY.
AV C	AV DEVICE FEED CEILING MOUNTED, CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY.
⬇	POWER & DATA OUTLET INSTALLED AT DECK FOR CEILING-MOUNTED DEVICES.



No.	Date	Description
1	11/30/2023	ISSUED FOR ADDENDUM 1
2	11/09/2023	ISSUED FOR PUBLIC BID
3	09/29/2023	ISSUED FOR REVIEW

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Verozina, AIA
NJ RA # 02827193



Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 1
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

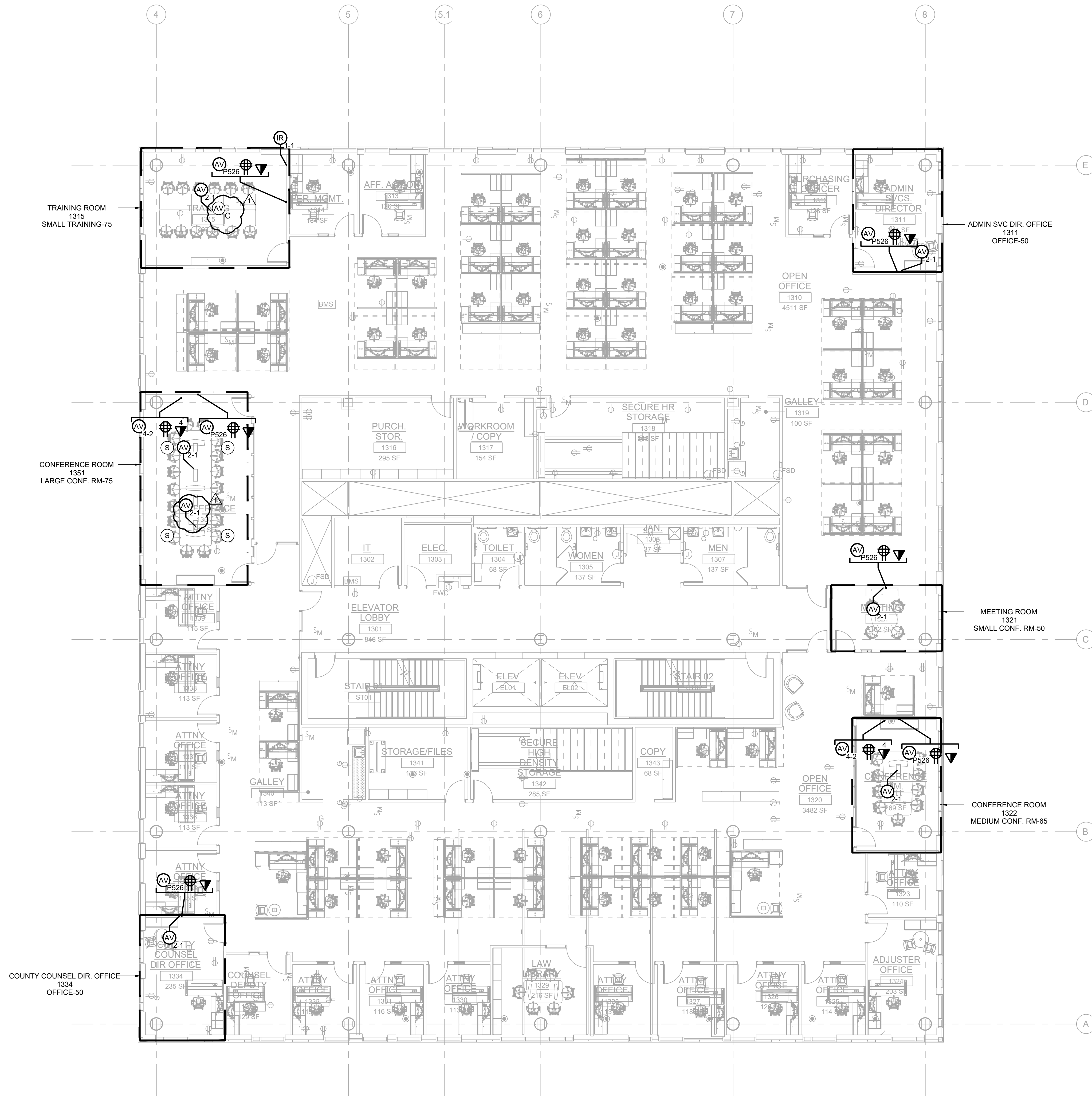
Drawing Information:
Project No: 1182.00
Date: 11/03/23
Drawn By: -
Checked By: -

Sheet Name:
LEVEL 2
AUDIO VISUAL
LOW VOLTAGE PLAN

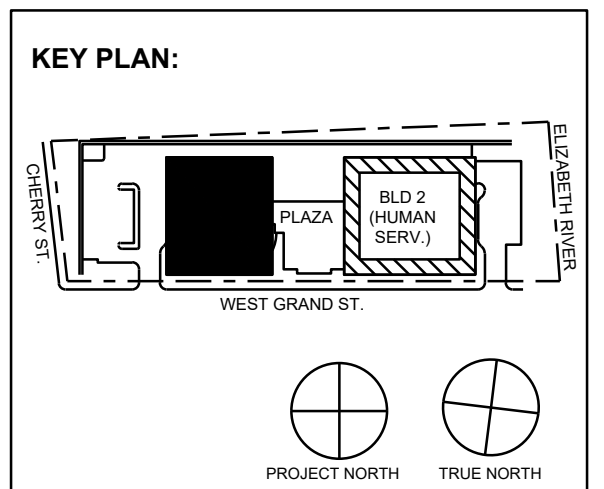
Sheet No: _____ DOB NOW JOB # _____



AV1-302.00



AV LOW VOLTAGE SYMBOLS	
AV X-Y	WALL RECESSED JUNCTION BOX BY E.C. INSTALL AT 18" AFF. U.O.N. X: GANG SIZE OF JUNCTION BOX Y: QUANTITY OF CONDUITS FOR AV P526: CHIEF MANU. PAC526 MULTISERVICE BOX
IF X	CONFERENCE TABLE IN-FEED / POKE-THRU DEVICE BY E.C. X: QUANTITY OF CONDUITS FOR AV
IR 1-1	ALS IR EMITTER; 1-GANG BOX, 72 IN. AFF DEVICE BY E.C. (1) 1 IN. STUD-UP CONDUIT FOR AV
⊕	QUAD POWER RECEPTACLE, PROVIDE ONE (1) 120 V, 20AMP DEDICATED CIRCUIT. FLUSH MOUNTED IN WALL AT HEIGHT INDICATED ON DRAWINGS.
▽	DATA OUTLET WITH (2) DATA PORTS
X▽	DATA OUTLET WITH (X) DATA PORTS
▽RS	DATA OUTLET FOR ROOM SCHEDULER WITH ONE (1) DATA PORT
S	FLUSH CEILING MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C., CUT-OUTS BY G.C.
S _s	SURFACE MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C. (1 GANG JBOX WITH (1) 1" EC TO ACCESSIBLE CEILING)
S _p	PENDANT MOUNTED SPEAKER ASSEMBLY MOUNTED BEHIND ACOUSTIC CEILING FABRIC. SPEAKER BY A.V.C.
AV	AV DEVICE FEED, CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY
AV _C	AV DEVICE FEED CEILING MOUNTED; CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY
⊕	POWER & DATA OUTLET INSTALLED AT DECK FOR CEILING-MOUNTED DEVICES.



No.	Date	Description
1	11/30/2023	ISSUED FOR ADDENDUM 1
2	11/09/2023	ISSUED FOR PUBLIC BID
3	09/29/2023	ISSUED FOR REVIEW

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezo, AIA
 NJ RA AI 00827193

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 1
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

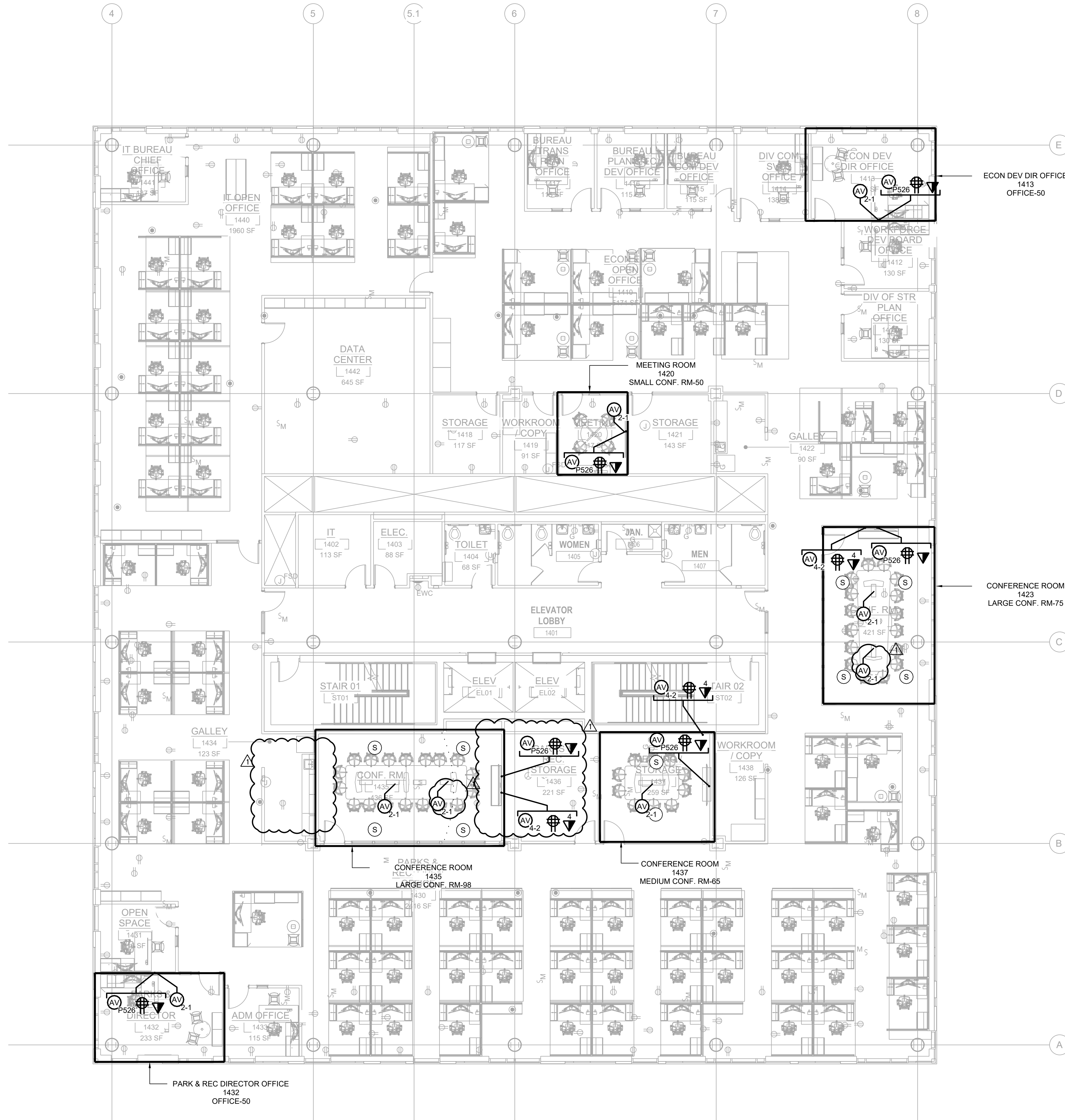
Drawing Information:
 Project No: 1182.00
 Date: 11/03/23
 Drawn By: -
 Checked By: -

Sheet Name:
LEVEL 3
AUDIO VISUAL
LOW VOLTAGE PLAN

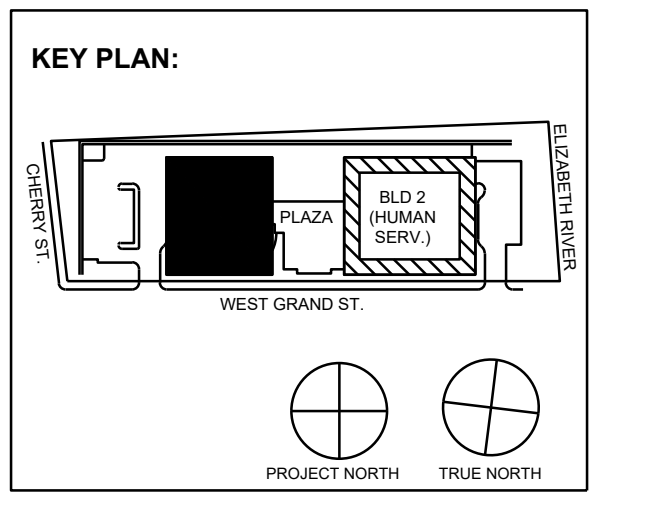
Sheet No: _____ DOB NOW JOB # _____



AV1-303.00



AV LOW VOLTAGE SYMBOLS	
AV X-Y	WALL RECESSED JUNCTION BOX BY E.C. INSTALL AT 18" AFF, U.O.N. X: GANG SIZE OF JUNCTION BOX Y: QUANTITY OF CONDUITS FOR AV P526: CHIEF MANU. PAC526 MULTISERVICE BOX
IF X	CONFERENCE TABLE IN-FEED / POKE-THRU DEVICE BY E.C. X: QUANTITY OF CONDUITS FOR AV
IR 1-1	ALS IR EMITTER; 1-GANG BOX, 72 IN. AFF DEVICE BY E.C. (1) 1 IN. STUD-UP CONDUIT FOR AV
⊕	QUAD POWER RECEPTACLE, PROVIDE ONE (1) 120 V, 20AMP DEDICATED CIRCUIT. FLUSH MOUNTED IN WALL AT HEIGHT INDICATED ON DRAWINGS.
▽	DATA OUTLET WITH (2) DATA PORTS
X▽	DATA OUTLET WITH (X) DATA PORTS
▽RS	DATA OUTLET FOR ROOM SCHEDULER WITH ONE (1) DATA PORT
S	FLUSH CEILING MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C., CUT-OUTS BY G.C.
S _s	SURFACE MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C. (1 GANG JBOX WITH (1) 1" EC TO ACCESSIBLE CEILING)
S _p	PENDANT MOUNTED SPEAKER ASSEMBLY MOUNTED BEHIND ACOUSTIC CEILING FABRIC. SPEAKER BY A.V.C.
AV	AV DEVICE FEED, CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY
AV _C	AV DEVICE FEED CEILING MOUNTED; CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY
⊕▽	POWER & DATA OUTLET INSTALLED AT DECK FOR CEILING-MOUNTED DEVICES.



No.	Date	Description
1	11/30/2023	ISSUED FOR ADDENDUM 1
2	11/09/2023	ISSUED FOR PUBLIC BID
3	09/29/2023	ISSUED FOR REVIEW

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Veroz26, AIA
 NJ RA AI 03827193

**PRELIMINARY
NOT FOR CONSTRUCTION**

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 1
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

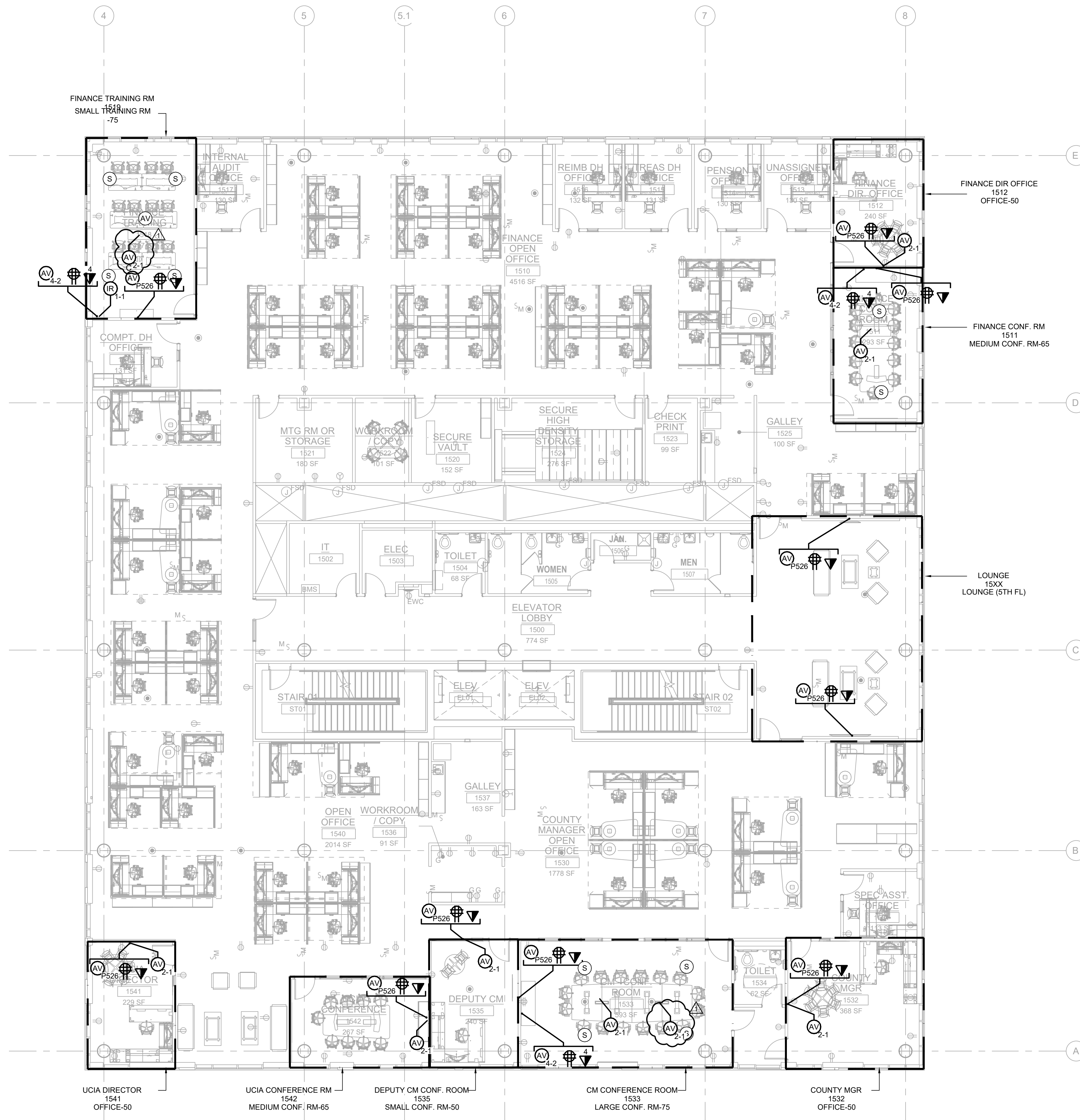
Drawing Information:
 Project No: 1182.00
 Date: 11/03/23
 Drawn By: -
 Checked By: -

Sheet Name:
**LEVEL 4
 AUDIO VISUAL
 LOW VOLTAGE PLAN**

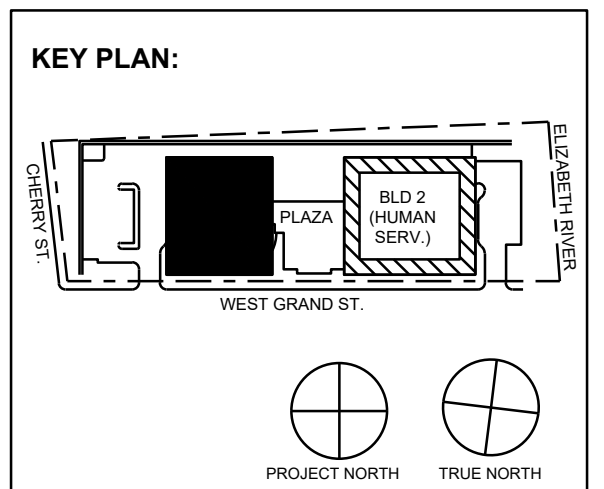
Sheet No: _____ DOB NOW JOB # _____



AV1-304.00



AV LOW VOLTAGE SYMBOLS	
	WALL RECESSED JUNCTION BOX BY E.C. INSTALL AT 18" AFF. U.O.N. X: GANG SIZE OF JUNCTION BOX Y: QUANTITY OF CONDUITS FOR AV P526: CHIEF MANU. PAC526 MULTISERVICE BOX
	CONFERENCE TABLE IN-FEED / POKE-THRU DEVICE BY E.C. X: QUANTITY OF CONDUITS FOR AV
	ALS IR EMITTER; 1-GANG BOX, 72 IN. AFF DEVICE BY E.C. (1) 1 IN. STUD-UP CONDUIT FOR AV
	QUAD POWER RECEPTACLE, PROVIDE ONE (1) 120 V, 20AMP DEDICATED CIRCUIT. FLUSH MOUNTED IN WALL AT HEIGHT INDICATED ON DRAWINGS.
	DATA OUTLET WITH (2) DATA PORTS
	DATA OUTLET WITH (X) DATA PORTS
	DATA OUTLET FOR ROOM SCHEDULER WITH ONE (1) DATA PORT
	FLUSH CEILING MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C., CUT-OUTS BY G.C.
	SURFACE MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C. (1 GANG JBOX WITH (1) 1" EC TO ACCESSIBLE CEILING)
	PENDANT MOUNTED SPEAKER ASSEMBLY MOUNTED BEHIND ACOUSTIC CEILING FABRIC. SPEAKER BY A.V.C.
	AV DEVICE FEED; CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY
	AV DEVICE FEED CEILING MOUNTED; CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY
	POWER & DATA OUTLET INSTALLED AT DECK FOR CEILING-MOUNTED DEVICES.



No.	Date	Description
1	11/30/2023	ISSUED FOR ADDENDUM 1
2	11/09/2023	ISSUED FOR PUBLIC BID
3	09/29/2023	ISSUED FOR REVIEW

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezio, AIA
 NJ RA AI 03827193

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
 UNION COUNTY IMPROVEMENT AUTHORITY

Project:
 UNION COUNTY GOVERNMENT COMPLEX - BUILDING 1
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 1182.00
 Date: 11/03/23
 Drawn By: -
 Checked By: -

Sheet Name:
 LEVEL 5
 AUDIO VISUAL
 LOW VOLTAGE PLAN

Sheet No: _____ DOB NOW JOB # _____



AV1-305.00

- ### AUDIO VISUAL DRAWING NOTES
- OVERHEAD LIGHTING THAT SHINES DIRECTLY ON A VIDEO DISPLAY OR PROJECTION SCREEN SHALL BE SEPARATELY ZONED AND CONTROLLABLE INDEPENDENT OF THE OTHER LIGHTING FIXTURES WITHIN THE ROOM.
 - ALL CONDUIT, JUNCTION BOXES, DEVICES, ETC. ON THE AV ELECTRICAL PLANS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR, U.O.N.
 - POWER FOR AUDIO-VISUAL SYSTEMS SHALL ALL SHARE A COMMON GROUND AND BE POWERED FROM A COMMON PHASE - REFER TO AV-001 FOR ADDITIONAL AV RELATED ELECTRICAL NOTES.
 - REFER TO LCD DISPLAY BLOCKING NOTE ON AV-001.00.

- ### AUDIO VISUAL INSTALLATION NOTES
- MOUNTING HEIGHTS ARE TO THE CENTER OF DEVICE, UNLESS OTHERWISE NOTED.
 - ALL CABLING SHALL BE HOME-RUN BETWEEN POINTS. NO SPLICING SHALL BE PERMITTED.
 - CONTRACTOR SHALL PROVIDE 1' SERVICE LOOP FOR ALL CABLING AT EQUIPMENT RACK LOCATIONS & PULL BOXES.
 - ALL CABLING SHALL BE LABELED FOR EASY IDENTIFICATION AT BOTH TERMINATION POINTS AND AT INTERMEDIATE PULL-POINTS. LABELS SHALL BE MACHINE PRINTED, SELF-LAMINATING AND CONTAIN THE FOLLOWING INFORMATION IN 1/8" TEXT: CABLE ID, SOURCE DEVICE, DESTINATION DEVICE.
 - ALL AUDIO VISUAL WALL CONTROLS SHALL BE MOUNTED TO MATCH STANDARD LIGHT SWITCH HEIGHT FOR THE PROJECT.
 - ALL RIGGING SHALL COMPLY WITH FEDERAL SPECIFICATION FF-C-450 FOR WIRE AND CLAMPS.
 - ALL 70V SPEAKERS SHALL BE TAPPED OR SET AT THE HIGHEST POWER SETTING UNLESS OTHERWISE NOTED.
 - ALL HARDWARE SHALL BE TIGHTENED TO MANUFACTURER SPECIFIC TORQUE.
 - FORCED STEEL HARDWARE IS REQUIRED. MALLEABLE CAST IRON CLAMPS OR CLIPS SHALL NOT BE USED.
 - CONTRACTOR SHALL OBTAIN APPROVAL BEFORE DRILLING OR CUTTING BUILDING STRUCTURE TO AVOID COMPROMISING STRUCTURAL INTEGRITY.
 - ALL CLAMPS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS FOR QUANTITIES, SIZING, SPACING, WIRE ROPE LAY AND TORQUE.
 - CONSTRUCTION EPOXY USED TO ADHERE THREADED ROD TO BE SPECIFIED BY THE PROJECT STRUCTURAL ENGINEER.

- ### AUDIO VISUAL GENERAL NOTES
- ALL SYMBOLS AND NOTES ARE NOT NECESSARY APPLICABLE TO THIS DOCUMENT PACKAGE.
 - CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DESIGN ASPECTS WITH AN ON-SITE INSPECTION OF EXISTING CONDITIONS.
 - OBTAINING ALL NECESSARY PERMITS AND ANY RELATED FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - GENERAL CONTRACTOR TO PROVIDE BLOCKING FOR ALL DISPLAYS. A 4X8' CONTINUOUS SHEET OF 1" TO 1-1/2" PLYWOOD SECURED TO A MINIMUM OF 3 WALL STUDS SHALL BE INSTALLED FOR ALL DISPLAYS GREATER THAN 60° DIAGONAL AND EQUAL OR LESS THAN 90° DIAGONAL. A 4X4' CONTINUOUS SHEET OF 1" TO 1-1/2" PLYWOOD SECURED TO A MINIMUM OF 3 WALL STUDS SHALL BE INSTALLED FOR EACH DISPLAY 55° DIAGONAL OR SMALLER. DISPLAYS EXCEEDING 90° DIAGONAL SHALL HAVE THE BLOCKING REQUIREMENTS REVIEWED BY A STRUCTURAL ENGINEER.
 - ALL WALLS WITH DISPLAYS SHALL BE STRUCTURAL SUPPORTED TO THE DECK ABOVE.
 - GENERAL CONTRACTOR SHALL PROVIDE ALL REQUIRED STRUCTURAL BUILDING ATTACHMENTS.
 - SUFFICIENT COOLING CAPACITY FOR AUDIO VISUAL EQUIPMENT, INCLUDING AIR CONDITIONING, EXHAUST FANS, UNDERCUT DOORS, ETC. SHALL BE PROVIDED BY OTHERS.
 - ALL TABLE-TOP BOXES SHALL BE FURNISHED AND INSTALLED BY THE FURNITURE VENDOR, UNLESS OTHERWISE NOTED.
 - ALL RIGGING REQUIRED FOR THIS PROJECT SHALL BE SUBMITTED TO AND APPROVED BY A STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
 - ALL PLATE FINISHES AND LOCATIONS SHALL BE VERIFIED WITH THE ARCHITECT, OWNER AND INTERIOR DESIGNER PRIOR TO PURCHASE.

- ### AUDIO VISUAL ELECTRICAL NOTES
- ELECTRICAL WORK TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND LOCAL AUTHORITIES HAVING JURISDICTION.
 - ALL OUTLETS, CONDUIT, JUNCTION BOXES AND BACK BOXES SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED.
 - ALL CONDUITS SHALL BE DEBURRED, CLEANED, GROMMETED, TAGGED AND FURNISHED WITH PULL TAPES.
 - POWER RECEPTACLES SHOWN ON THESE DRAWINGS ARE INTENDED FOR SPECIFIC AUDIO/VISUAL EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL UTILITY POWER RECEPTACLES.
 - ELECTRICAL PANEL(S) SERVING AUDIO EQUIPMENT SHALL HAVE AN ISOLATED GROUND AND SHALL NOT BE SHARED WITH EQUIPMENT THAT CAN CREATE LINE NOISE SUCH AS MOTORS OR HIGH FREQUENCY EQUIPMENT SUCH AS NETWORK SERVERS.
 - ALL AUDIO EQUIPMENT SHALL BE SUPPLIED WITH 120V, SINGLE-PHASE POWER WITH LESS THAN 5-VOLTS BETWEEN PHASE AND NEUTRAL.
 - AUDIO/VISUAL RECEPTACLES WITHIN A SYSTEM SHALL SHARE A COMMON PHASE AND COMMON GROUND.
 - EXACT OUTLET HEIGHTS TO BE DETERMINED BY ARCHITECT.
 - CONDUIT RUNS ON THESE DRAWINGS DIAGRAMMATICALLY SHOW INTERCONNECTION BETWEEN TERMINATION POINTS. THE EXACT PATH OF CONDUITS ARE TO BE DETERMINED BY THE CONTRACTOR AND FIELD CONDITIONS. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL BY AV DESIGNER AND ELECTRICAL ENGINEER.
 - ALL CONDUIT RUNS SHALL BE CONCEALED WITHIN WALLS, WITHIN THE SLAB OR WITHIN THE CEILING JUNCTION BOXES.
 - OUTDOOR CONDUIT RUNS MUST USE WATER-TIGHT FITTING AND TERMINATE AT WATER-TIGHT JUNCTION BOXES.
 - CONTRACTOR TO CONFIRM ALL CONDUIT DIAMETERS ON DRAWINGS ARE SUFFICIENT FOR INDICATED TOTAL CABLE SIZE / QUANTITIES AND ELECTRICAL CODES.

AUDIO VISUAL ABBREVIATIONS

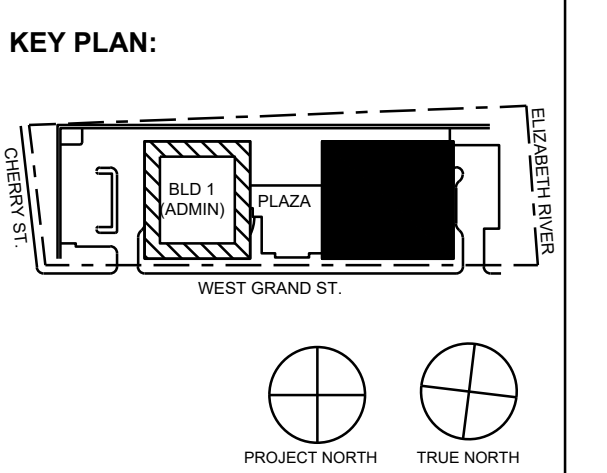
A	AMPERES
ACP	ACCESS CONTROL PANEL
AP	ACCESS POINT
AFP	ABOVE FINISHED FLOOR
AV	AUDIO VISUAL
AVC	AUDIO VISUAL CONTRACTOR
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
BTU	BRITISH THERMAL UNITS
CCTV	CLOSED CIRCUIT TELEVISION
COND	CONDUCTOR
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT
DEMARC	DEMARICATION POINT
DWG	DRAWING
ELEC	ELECTRICAL
EMI	ELECTROMAGNETIC INTERFERENCE
EMT	ELECTRICAL METALLIC TUBING
FB	FLOOR BOX
FTP	FOIL TWISTED PAIR
FAJTP	OVERALL FOIL SCREENED WITH UNSHIELDED TWISTED PAIR
GC	GENERAL CONTRACTOR
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HZ	HERTZ
IDF	INTERMEDIATE DISTRIBUTION FRAME
IT	INFORMATION TECHNOLOGY
KHZ	KILOHERTZ
KW	KILOWATT
KVM	KEYBOARD, VIDEO, MOUSE
LAN	LOCAL AREA NETWORK
MAX	MAXIMUM
MDF	MAIN DISTRIBUTION FRAME
MHZ	MEGAHERTZ
MIN	MINIMUM
MM	MULTIMODE
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NM	NANOMETER
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
OFE	OWNER-FURNISHED EQUIPMENT
OSP	OUTSIDE PLANT
PB	PULL BOX
PC	PERSONAL COMPUTER
PDU	POWER DISTRIBUTION UNIT
POE	POWER OVER ETHERNET
PVC	POLYVINYL CHLORIDE, RIGID NON METALLIC CONDUIT
RGS	RIGID GALVANIZED STEEL
RU	RACK MOUNT UNITS
SEC	SECURITY
SM	SINGLE-MODE
STD	STANDARD
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TE	TELECOMMUNICATIONS ENCLOSURE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLT OR VOLTAGE
W	WATT
WAN	WIDE AREA NETWORK
WLAN	WIRELESS LOCAL AREA NETWORK
WP	WEATHERPROOF

AUDIOVISUAL EQUIPMENT SCHEDULE

CMT	CAMERA MOUNT, LARGE CAMERA D, VADDIO 535-2000-290; 18 IN (W) X 18 IN (H) X 1.5 IN (D)
CP1	CONTROL PANEL, QSC AXON C1; 2.75 IN (W) X 4.5 IN (H) X 1.5 IN (D)
CPT2	CAMERA, SELF-CONTAINED PTF2; PANASONIC AW-JE100W; 6 IN (W) X 8 IN (H) X 6 IN (D)
CWEB	CAMERA, SELF-CONTAINED USB; LOGITECH RALLY; 7 IN (W) X 22.2 IN (H) X 1.8 IN (D)
FP43	FLAT PANEL DISPLAY, 43; SAMSUNG QM43R; 38.2 IN (W) X 22.2 IN (H) X 1.8 IN (D)
FP50	FLAT PANEL DISPLAY, 50; SAMSUNG QM50C; 44.2 IN (W) X 25.3 IN (H) X 1.2 IN (D)
FP55	FLAT PANEL DISPLAY, 55; SAMSUNG QM55C; 48.8 IN (W) X 28 IN (H) X 1.2 IN (D)
FP65	FLAT PANEL DISPLAY, 65; SAMSUNG QM65C; 57.3 IN (W) X 32.7 IN (H) X 1.2 IN (D)
FP75	FLAT PANEL DISPLAY, 75; SAMSUNG QM75C; 66.1 IN (W) X 37.8 IN (H) X 1.2 IN (D)
IO-T	I/O PLATE, TABLE FEED, MISC MISC-2G; 4.25 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO2	INPUT OUTPUT PLATE, 2 GANG, MISC MISC-2G; 4.25 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO2C	INPUT OUTPUT PLATE, 3 GANG, MISC MISC-3G; 7.75 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO2D	INPUT OUTPUT PLATE, 4 GANG, MISC MISC-4G; 10.5 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO4A	INPUT OUTPUT PLATE, 2 GANG, MISC MISC-2G; 4.25 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO4B	INPUT OUTPUT PLATE, 4 GANG, MISC MISC-4G; 10.5 IN (W) X 4.5 IN (H) X 1.5 IN (D)
LA-IR	IR TRANSMITTER, MISC MISC-LA-IR; 6 IN (W) X 2 IN (H) X 6 IN (D)
M-T	MICROPHONE- TABLETOP; QSC NM-T1; 4.2 IN (DIA) X 1.1 IN (D)
MCAR	MICROPHONE, WIRED CEILING AR, SHURE MXA920W; 23.77 IN (W) X 23.77 IN (H) X 3.5 IN (D)
MCD	MOUNT, CEILING, DUAL, MEDIUM; CHIEF MANU LCBU1; 17 IN (W) X 17 IN (H) X 8 IN (D)
MCL	MOUNT, CEILING DOWNROD; CHIEF LCM1U; 21 IN (W) X 16 IN (H) X 6.5 IN (D)
MCM	MOUNT, CEILING, SINGLE, MEDIUM; CHIEF MANU MCM1U; 21 IN (W) X 16 IN (H) X 6.5 IN (D)
MTL	MOUNT, WALL TILTING; CHIEF MANU LTM1U; 34.75 IN (W) X 23 IN (H) X 2 IN (D)
MTM	FLAT PANEL DISPLAY, WALLMOUNT; CHIEF MTMS1U; 24 IN (W) X 17 IN (H) X 2 IN (D)
PS	PROJECTION SCREEN, ELECTRIC; DRAPER 140039FNQU; 143 IN (W) X 7 IN (H) X 7 IN (D)
RCS	ROOM COMBINE SENSOR; MANUF AV-MODELA; 18 IN (W) X 18 IN (H) X 1 IN (D)
RK12	EQUIPMENT RACK-12 RU; MIDDLE ATLANTIC CFR-12-18; 18.5 IN (W) X 18.5 IN (H) X 18.5 IN (D)
RK44S	EQUIPMENT RACK-44 RU; MIDDLE ATLANTIC MRK4426; 22.5 IN (W) X 84 IN (H) X 26 IN (D)
SBVC	SOUNDBAR, VIDEO CONFERENCE, RALLY BAR-HUDDLE; 24 IN (W) X 4 IN (H) X 4 IN (D)
SF-A	SPEAKER, CEILING FLUSH; QSC AC-6CT; 10.5 IN (W) X 10.5 IN (H) X 8.5 IN (D)
SP-A	SPEAKER, CEILING FLUSH; QSC AC-6CT; 10.5 IN (W) X 10.5 IN (H) X 8.5 IN (D)
TE-A	TECH SUPPORT CONSOLE; TECH SUPPORT AC-6CT; 120IN (W) X 36IN (H) X 30 IN (D)
VP1	PROJECTOR, 7K LUMENS, LASER; PANASONIC PTR2770LWU; 20 IN (W) X 8 IN (H) X 22 IN (D)
VPL	PROJECTOR LENS, 1.3-1.9:1; PANASONIC ETDLE150; 5 IN (W) X 5 IN (H) X 5 IN (D)
VPM	HEAVY DUTY MOUNT; CHIEF MANU VCMU; 20 IN (W) X 4 IN (H) X 4 IN (D)
RK16	RACK, 16 RU CABINET, MIDDLE ATLANTIC CFR-16-20; 19.5 IN (W) X 29 IN (H) X 20 IN (D)

AV LOW VOLTAGE SYMBOLS

AV X-Y	WALL RECESSED JUNCTION BOX BY E.C. INSTALL AT 18" AFF. U.O.N. X: GANG SIZE OF JUNCTION BOX Y: QUANTITY OF CONDUITS FOR AV P526: CHIEF MANU, PAC526 MULTISERVICE BOX
IF X	CONFERENCE TABLE IN-FEED / POKE-THRU DEVICE BY E.C. X: QUANTITY OF CONDUITS FOR AV
IR 1-1	ALS IR EMITTER; 1-GANG BOX, 72 IN. AFF DEVICE BY E.C. (1) 1 IN. STUD-UP CONDUIT FOR AV
⏏	QUAD POWER RECEPTACLE, PROVIDE ONE (1) 120 V, 20AMP DEDICATED CIRCUIT. FLUSH MOUNTED IN WALL AT HEIGHT INDICATED ON DRAWINGS.
⏏	DATA OUTLET WITH (2) DATA PORTS
⏏ X	DATA OUTLET WITH (X) DATA PORTS
⏏ RS	DATA OUTLET FOR ROOM SCHEDULER WITH ONE (1) DATA PORT
S	FLUSH CEILING MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C., CUT-OUTS BY G.C.
Ss	SURFACE MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C. (1 GANG JBOX WITH (1) 1" EC TO ACCESSIBLE CEILING)
Sp	PENDANT MOUNTED SPEAKER ASSEMBLY. MOUNTED BEHIND ACOUSTIC CEILING FABRIC; SPEAKER BY A.V.C.
AV	AV DEVICE FEED; CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY.
AV C	AV DEVICE FEED CEILING MOUNTED; CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY.
⏏	POWER & DATA OUTLET INSTALLED AT DECK FOR CEILING-MOUNTED DEVICES.



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	
Revisions / Issues		

15 Bathary Street • New Brunswick, NJ 08901 • T. 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Vene236, AIA
NJ RA AI 00827193



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY 07202

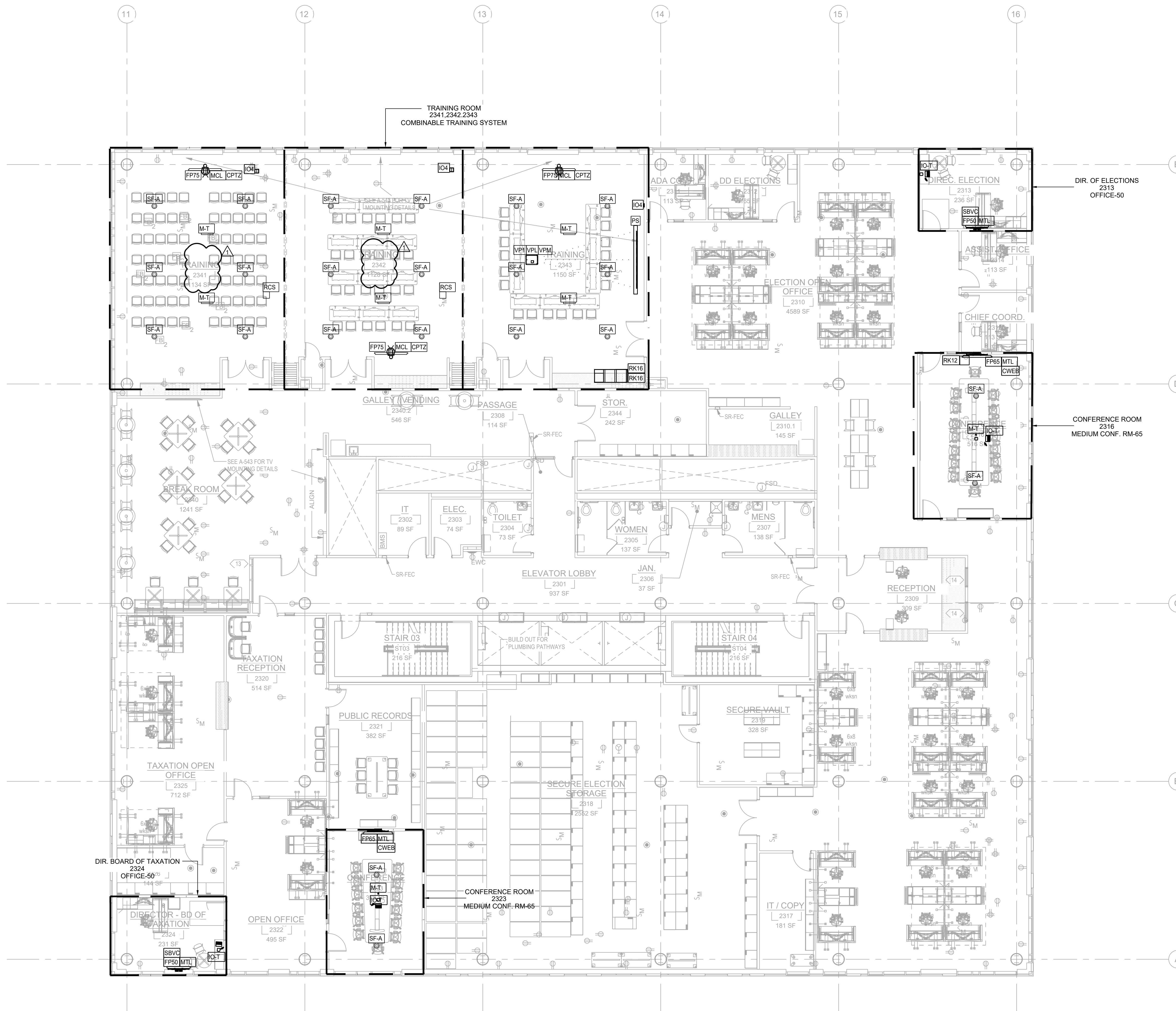
Drawing Information:
Project No: 1182.00
Date: 11/08/23
Drawn By: -
Checked By: -

Sheet Name:

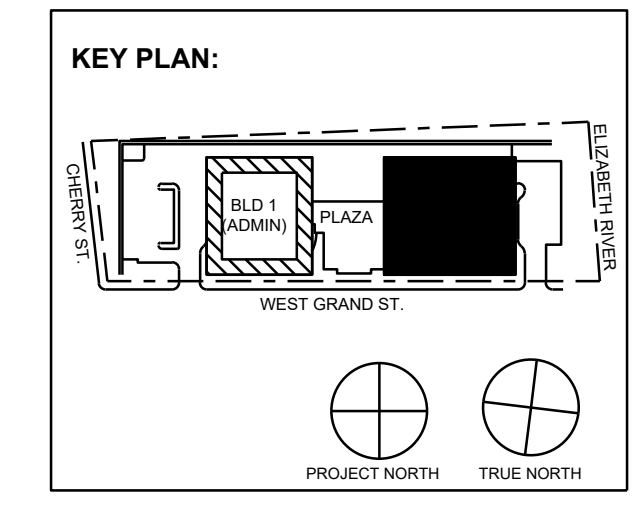
AUDIO VISUAL SCHEDULES AND NOTES
Sheet No: DOB NOW JOB #



AV2-001.00

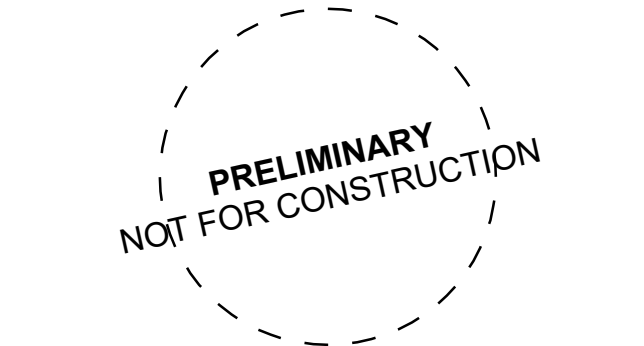


AUDIOVISUAL EQUIPMENT SCHEDULE	
CMT	CAMERA MOUNT, LARGE CAMERA D; VADDIO 535-2000-290; IN (W) X IN (H) X IN (D)
CP1	CONTROL PANEL, OSC AXON C1; 2.75 IN (W) X 4.5 IN (H) X 1.5 IN (D)
CPT2	CAMERA, SELF-CONTAINED PTFZ; PANASONIC AW-UE100W; 6 IN (W) X 8 IN (H) X 6 IN (D)
CWEB	CAMERA, SELF-CONTAINED USB; LOGITECH RALLY; 7 IN (W) X 7 IN (H) X 6.75 IN (D)
FP43	FLAT PANEL DISPLAY, 43; SAMSUNG QM43R; 38.2 IN (W) X 22.2 IN (H) X 1.8 IN (D)
FP50	FLAT PANEL DISPLAY, 50; SAMSUNG QM50C; 44.2 IN (W) X 25.3 IN (H) X 1.2 IN (D)
FP55	FLAT PANEL DISPLAY, 55; SAMSUNG QM55C; 48.8 IN (W) X 28 IN (H) X 1.2 IN (D)
FP65	FLAT PANEL DISPLAY, 65; SAMSUNG QM65C; 57.3 IN (W) X 32.7 IN (H) X 1.2 IN (D)
FP75	FLAT PANEL DISPLAY, 75; SAMSUNG QM75C; 66.1 IN (W) X 37.8 IN (H) X 1.2 IN (D)
IO-T	IO PLATE, TABLE FEED; MISC MISC-2G; 4.25 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO2	INPUT OUTPUT PLATE, 2 GANG; MISC MISC-2G; 4.25 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO2C	INPUT OUTPUT PLATE, 3 GANG; MISC MISC-3G; 7.75 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO2D	INPUT OUTPUT PLATE, 4 GANG; MISC MISC-4G; 10.5 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO4A	INPUT OUTPUT PLATE, 2 GANG; MISC MISC-2G; 4.25 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO4B	INPUT OUTPUT PLATE, 4 GANG; MISC MISC-4G; 10.5 IN (W) X 4.5 IN (H) X 1.5 IN (D)
LA-IR	IR TRANSMITTER; MISC MISC-LA-IR; 6 IN (W) X 2 IN (H) X 6 IN (D)
M-T	MICROPHONE- TABLETOP; OSC NM-T1; 4.2 IN (DIA) X 1.1 IN (D)
MCAR	MICROPHONE, WIRED CEILING AR; SHURE MXA920W; 23.77 IN (W) X 23.77 IN (H) X 3.5 IN (D)
MCD	MOUNT, CEILING, DUAL, MEDIUM; CHIEF MANU LCBU1; 17 IN (W) X 17 IN (H) X 8 IN (D)
MCL	MOUNT, CEILING DOWNROD, CHIEF LCM1U; 21 IN (W) X 16 IN (H) X 6.5 IN (D)
MCM	MOUNT, CEILING, SINGLE, MEDIUM; CHIEF MANU MCM1U; 21 IN (W) X 16 IN (H) X 6.5 IN (D)
MTL	MOUNT, WALL TILTING; CHIEF MANU LTM1U; 34.75 IN (W) X 23 IN (H) X 2 IN (D)
MTM	FLAT PANEL DISPLAY, WALLMOUNT; CHIEF MTMS1U; 24 IN (W) X 17 IN (H) X 2 IN (D)
PS	PROJECTION SCREEN, ELECTRIC, DRAPER 140039FNOU; 143 IN (W) X 7 IN (H) X 7 IN (D)
RCS	ROOM COMBINE SENSOR; MANUF AV-MODELA; IN (W) X IN (H) X IN (D)
RK12	EQUIPMENT RACK - 12 RU; MIDDLE ATLANTIC CFR-12-18; 18.5 IN (W) X 18.5 IN (H) X 18.5 IN (D)
RK44S	EQUIPMENT RACK - 44 RU; MIDDLE ATLANTIC MRK4426; 22.5 IN (W) X 84 IN (H) X 26 IN (D)
SBVC	SOUNDBAR, VIDEO CONFERENCE ; RALLY BAR-HUDDLE; 24 IN (W) X 4 IN (H) X 4 IN (D)
SF-A	SPEAKER, CEILING FLUSH; OSC AC-6CT; 10.5 IN (W) X 10.5 IN (H) X 8.5 IN (D)
SP-A	SPEAKER, CEILING FLUSH; OSC AC-6CT; 10.5 IN (W) X 10.5 IN (H) X 8.5 IN (D)
TE-A	TECH SUPPORT CONSOLE; TECH SUPPORT AC-6CT; 120 IN (W) X 36 IN (H) X 30 IN (D)
VP1	PROJECTOR, 7K LUMENS, LASER; PANASONIC PTRZ770LWU; 20 IN (W) X 8 IN (H) X 22 IN (D)
VPL	PROJECTOR LENS, 1.3-1.8:1; PANASONIC ETDLE150; 5 IN (W) X 5 IN (H) X 5 IN (D)
VPM	HEAVY DUTY MOUNT, CHIEF MANU VCMU; 20 IN (W) X 4 IN (H) X 4 IN (D)
RK16	RACK, 16 RU CABINET, MIDDLE ATLANTIC CFR-16-20; 19.5 IN (W) X 29 IN (H) X 20 IN (D)



No.	Date	Description
1	11/30/2023	ISSUED FOR ADDENDUM 1
2	11/09/2023	ISSUED FOR PUBLIC BID
3	09/29/2023	ISSUED FOR REVIEW

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400
 Jeffrey D. Veroz26, AIA
 NJ RA # 00827190



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

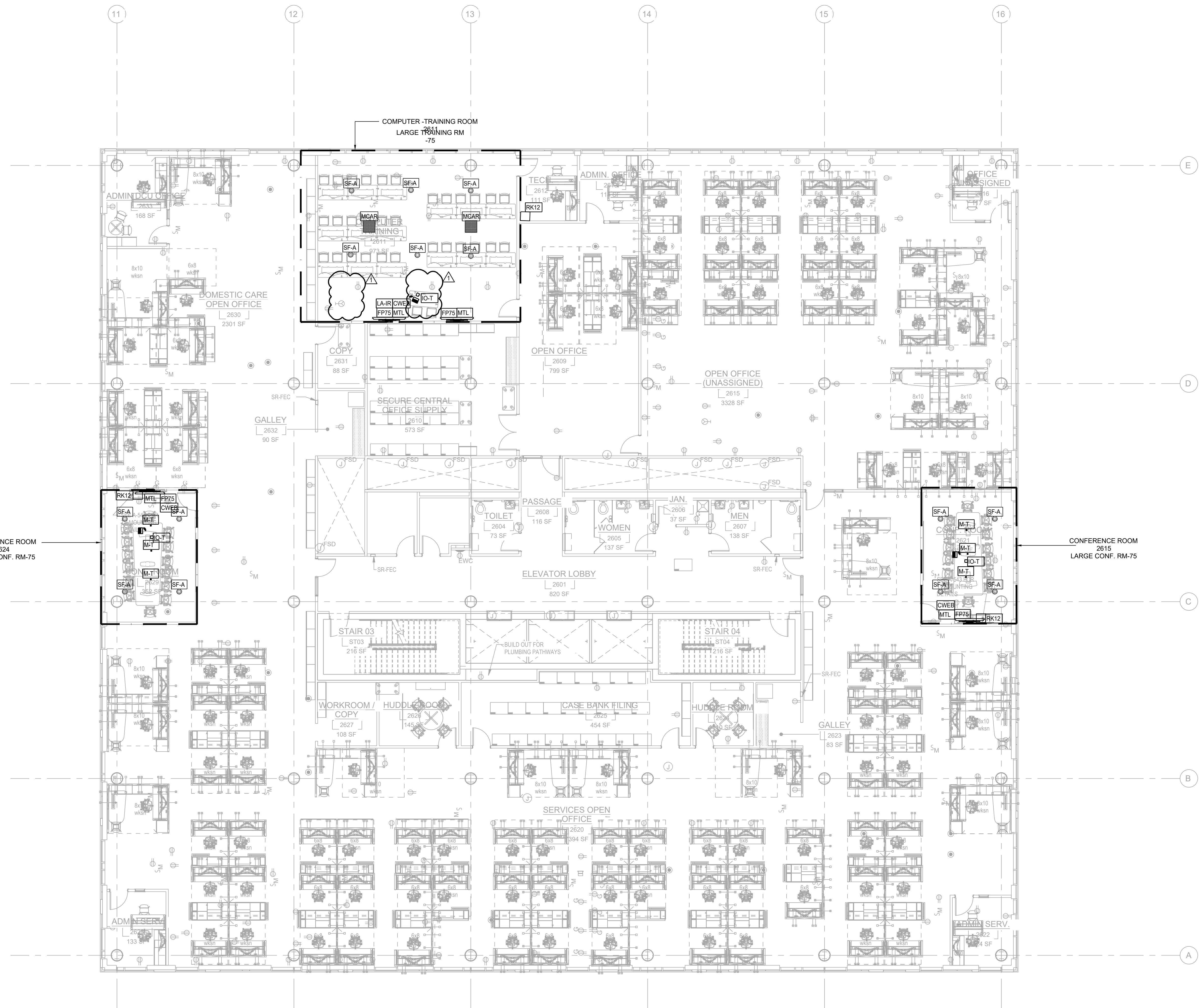
Project: UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: -
 Checked By: -

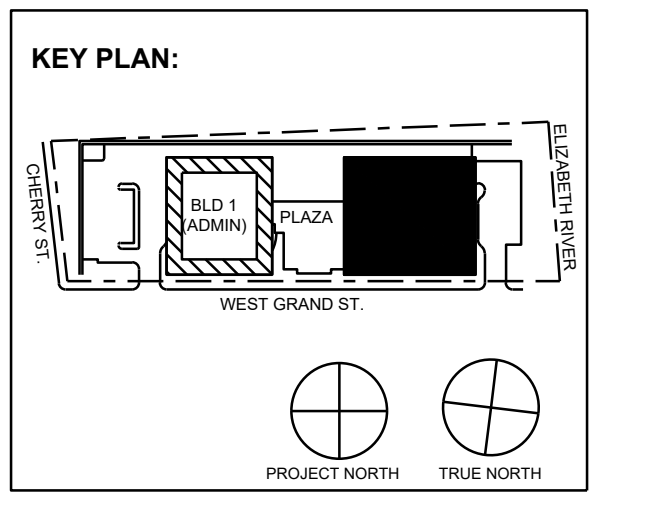
Sheet Name: LEVEL 3
 AUDIO VISUAL
 PLAN
 Sheet No: DOB NOW JOB #



AV2-103.00



AUDIOVISUAL EQUIPMENT SCHEDULE	
CMT	CAMERA MOUNT, LARGE CAMERA D; VADDIO 535-2000-290; IN (W) X IN (H) X IN (D)
CP1	CONTROL PANEL; OSC AXON C1; 2.75 IN (W) X 4.5 IN (H) X 1.5 IN (D)
CPT2	CAMERA, SELF-CONTAINED PTFZ; PANASONIC AW-UE100W; 6 IN (W) X 8 IN (H) X 6 IN (D)
CWEB	CAMERA, SELF-CONTAINED USB; LOGITECH RALLY; 7 IN (W) X 7 IN (H) X 6.75 IN (D)
FP43	FLAT PANEL DISPLAY, 43; SAMSUNG QM43R; 38.2 IN (W) X 22.2 IN (H) X 1.8 IN (D)
FP50	FLAT PANEL DISPLAY, 50; SAMSUNG QM50C; 44.2 IN (W) X 25.3 IN (H) X 1.2 IN (D)
FP55	FLAT PANEL DISPLAY, 55; SAMSUNG QM55C; 48.8 IN (W) X 28 IN (H) X 1.2 IN (D)
FP65	FLAT PANEL DISPLAY, 65; SAMSUNG QM65C; 57.3 IN (W) X 32.7 IN (H) X 1.2 IN (D)
FP75	FLAT PANEL DISPLAY, 75; SAMSUNG QM75C; 66.1 IN (W) X 37.8 IN (H) X 1.2 IN (D)
IO-T	IO PLATE, TABLE FEED; MISC MISC-2G; 4.25 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO2	INPUT OUTPUT PLATE, 2 GANG; MISC MISC-2G; 4.25 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO2C	INPUT OUTPUT PLATE, 3 GANG; MISC MISC-3G; 7.75 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO2D	INPUT OUTPUT PLATE, 4 GANG; MISC MISC-4G; 10.5 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO4A	INPUT OUTPUT PLATE, 2 GANG; MISC MISC-2G; 4.25 IN (W) X 4.5 IN (H) X 1.5 IN (D)
IO4B	INPUT OUTPUT PLATE, 4 GANG; MISC MISC-4G; 10.5 IN (W) X 4.5 IN (H) X 1.5 IN (D)
LA-IR	IR TRANSMITTER; MISC MISC-LA-IR; 6 IN (W) X 2 IN (H) X 6 IN (D)
M-T	MICROPHONE- TABLETOP; OSC NM-T1; 4.2 IN (DIA) X 1.1 IN (D)
MCAR	MICROPHONE, WIRED CEILING AR; SHURE MXA920W; 23.77 IN (W) X 23.77 IN (H) X 3.5 IN (D)
MCD	MOUNT, CEILING, DUAL, MEDIUM; CHIEF MANU LCBU1; 17 IN (W) X 17 IN (H) X 8 IN (D)
MCL	MOUNT, CEILING DOWNROD, CHIEF LCM1U; 21 IN (W) X 16 IN (H) X 6.5 IN (D)
MCM	MOUNT, CEILING, SINGLE, MEDIUM; CHIEF MANU MCM1U; 21 IN (W) X 16 IN (H) X 6.5 IN (D)
MTL	MOUNT, WALL TILTING; CHIEF MANU LTM1U; 34.75 IN (W) X 23 IN (H) X 2 IN (D)
MTM	FLAT PANEL DISPLAY, WALLMOUNT; CHIEF MTMS1U; 24 IN (W) X 17 IN (H) X 2 IN (D)
PS	PROJECTION SCREEN, ELECTRIC, DRAPER 140039FNOU; 143 IN (W) X 7 IN (H) X 7 IN (D)
RCS	ROOM COMBINE SENSOR; MANUF AV-MODELA; IN (W) X IN (H) X IN (D)
RK12	EQUIPMENT RACK - 12 RU; MIDDLE ATLANTIC CFR-12-18; 18.5 IN (W) X 18.5 IN (H) X 18.5 IN (D)
RK44S	EQUIPMENT RACK - 44 RU; MIDDLE ATLANTIC MRK4426; 22.5 IN (W) X 84 IN (H) X 26 IN (D)
SBVC	SOUNDBAR, VIDEO CONFERENCE ; RALLY BAR-HUDDLE; 24 IN (W) X 4 IN (H) X 4 IN (D)
SF-A	SPEAKER, CEILING FLUSH; OSC AC-6CT; 10.5 IN (W) X 10.5 IN (H) X 8.5 IN (D)
SP-A	SPEAKER, CEILING FLUSH; OSC AC-6CT; 10.5 IN (W) X 10.5 IN (H) X 8.5 IN (D)
TE-A	TECH SUPPORT CONSOLE; TECH SUPPORT AC-6CT; 120 IN (W) X 36 IN (H) X 30 IN (D)
VP1	PROJECTOR, 7K LUMENS, LASER; PANASONIC PTRZ770LWU; 20 IN (W) X 8 IN (H) X 22 IN (D)
VPL	PROJECTOR LENS, 1.3:1; PANASONIC ETDLE150; 5 IN (W) X 5 IN (H) X 5 IN (D)
VPM	HEAVY DUTY MOUNT; CHIEF MANU VCMU; 20 IN (W) X 4 IN (H) X 4 IN (D)
RK16	RACK, 16 RU CABINET, MIDDLE ATLANTIC CFR-16-20; 19.5 IN (W) X 29 IN (H) X 20 IN (D)



11/30/2023 ISSUED FOR ADDENDUM 1
 11/09/2023 ISSUED FOR PUBLIC BID
 09/29/2023 ISSUED FOR REVIEW
 No. Date Description
 Revisions / Issues

15 Bathway Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400
 Jeffrey D. Venezo, AIA
 NJ RA AI 00827190

PRELIMINARY
 NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.
 Client:
UNION COUNTY IMPROVEMENT AUTHORITY

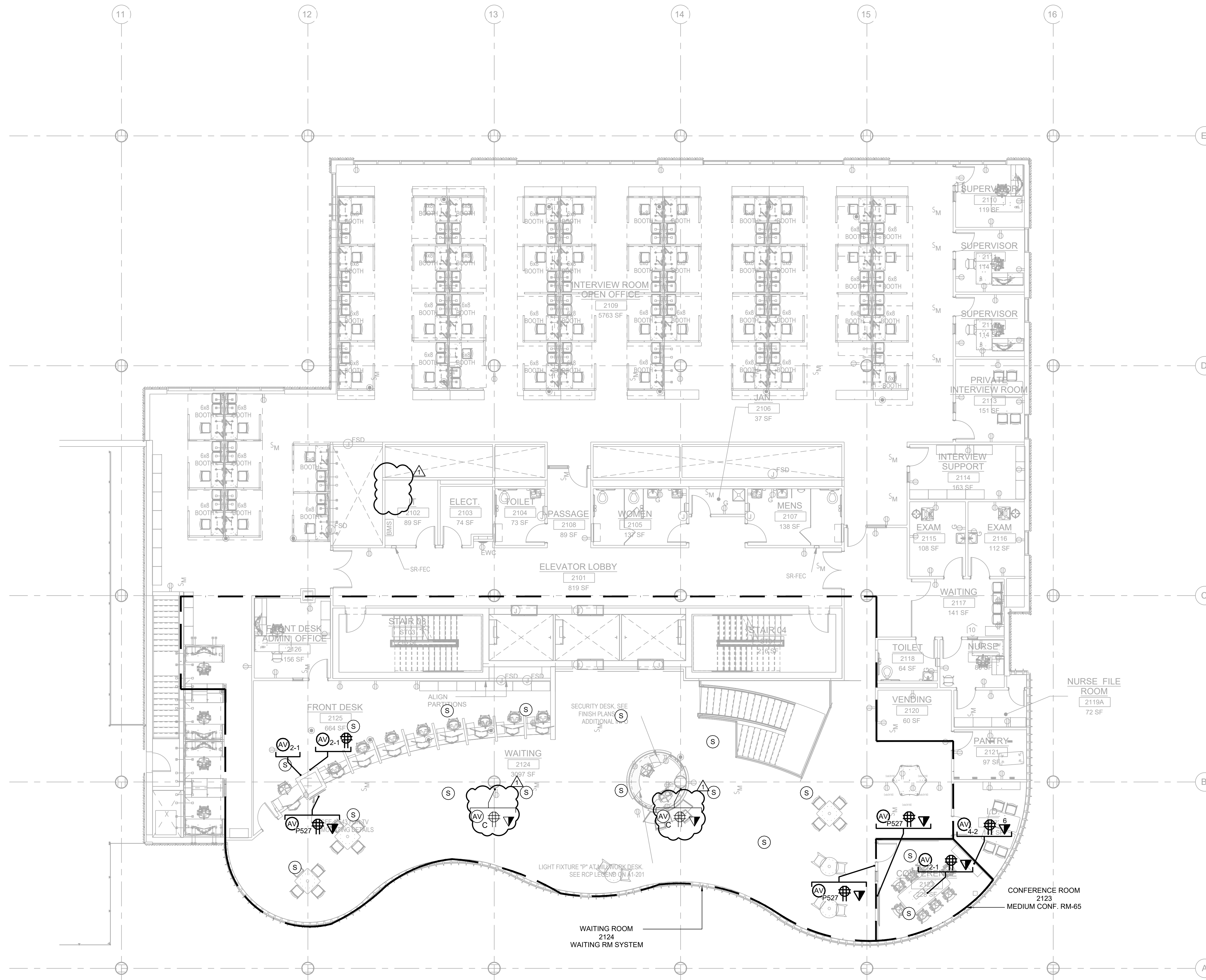
Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: -
 Checked By: -

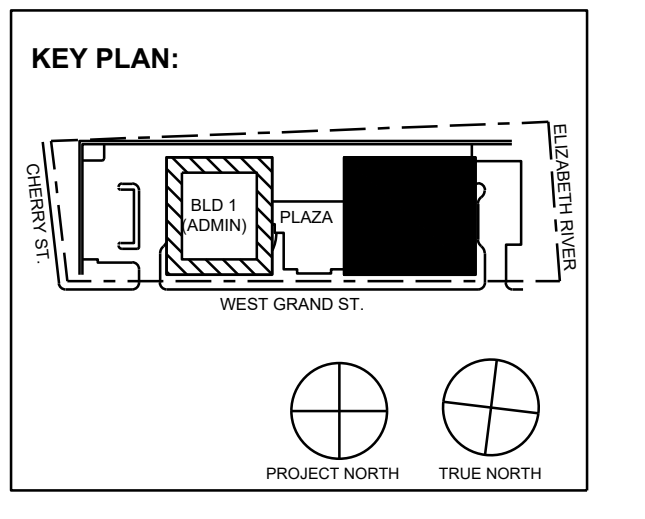
Sheet Name:
LEVEL 6
AUDIO VISUAL
PLAN
 Sheet No: _____ DOB NOW JOB # _____



AV2-106.00



AV LOW VOLTAGE SYMBOLS	
	WALL RECESSED JUNCTION BOX BY E.C. INSTALL AT 18" AFF. U.O.N X: GANG SIZE OF JUNCTION BOX Y: QUANTITY OF CONDUITS FOR AV Z: CHIEF MANU. PACS26 MULTISERVICE BOX
	CONFERENCE TABLE IN-FEED / POKE-THRU DEVICE BY E.C. X: QUANTITY OF CONDUITS FOR AV
	ALS IR EMITTER: 1-GANG BOX, 72 IN. AFF DEVICE BY E.C. (1) 1 IN. STUD-UP CONDUIT FOR AV
	QUAD POWER RECEPTACLE, PROVIDE ONE (1) 120 V, 20AMP DEDICATED CIRCUIT. FLUSH MOUNTED IN WALL AT HEIGHT INDICATED ON DRAWINGS.
	DATA OUTLET WITH (2) DATA PORTS
	DATA OUTLET WITH (X) DATA PORTS
	DATA OUTLET FOR ROOM SCHEDULER WITH ONE (1) DATA PORT
	FLUSH CEILING MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C., CUT-OUTS BY G.C.
	SURFACE MOUNTED SPEAKER ASSEMBLY. SPEAKER BY A.V.C. (1 GANG) J-BOX WITH (1) 1" EC TO ACCESSIBLE CEILING
	PENDANT MOUNTED SPEAKER ASSEMBLY. MOUNTED BEHIND ACOUSTIC CEILING FABRIC. SPEAKER BY A.V.C.
	AV DEVICE FEED, CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY.
	AV DEVICE FEED CEILING MOUNTED; CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY.
	POWER & DATA OUTLET INSTALLED AT DECK FOR CEILING-MOUNTED DEVICES.



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Veroz26, AIA
NJ RA AI 00827193



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

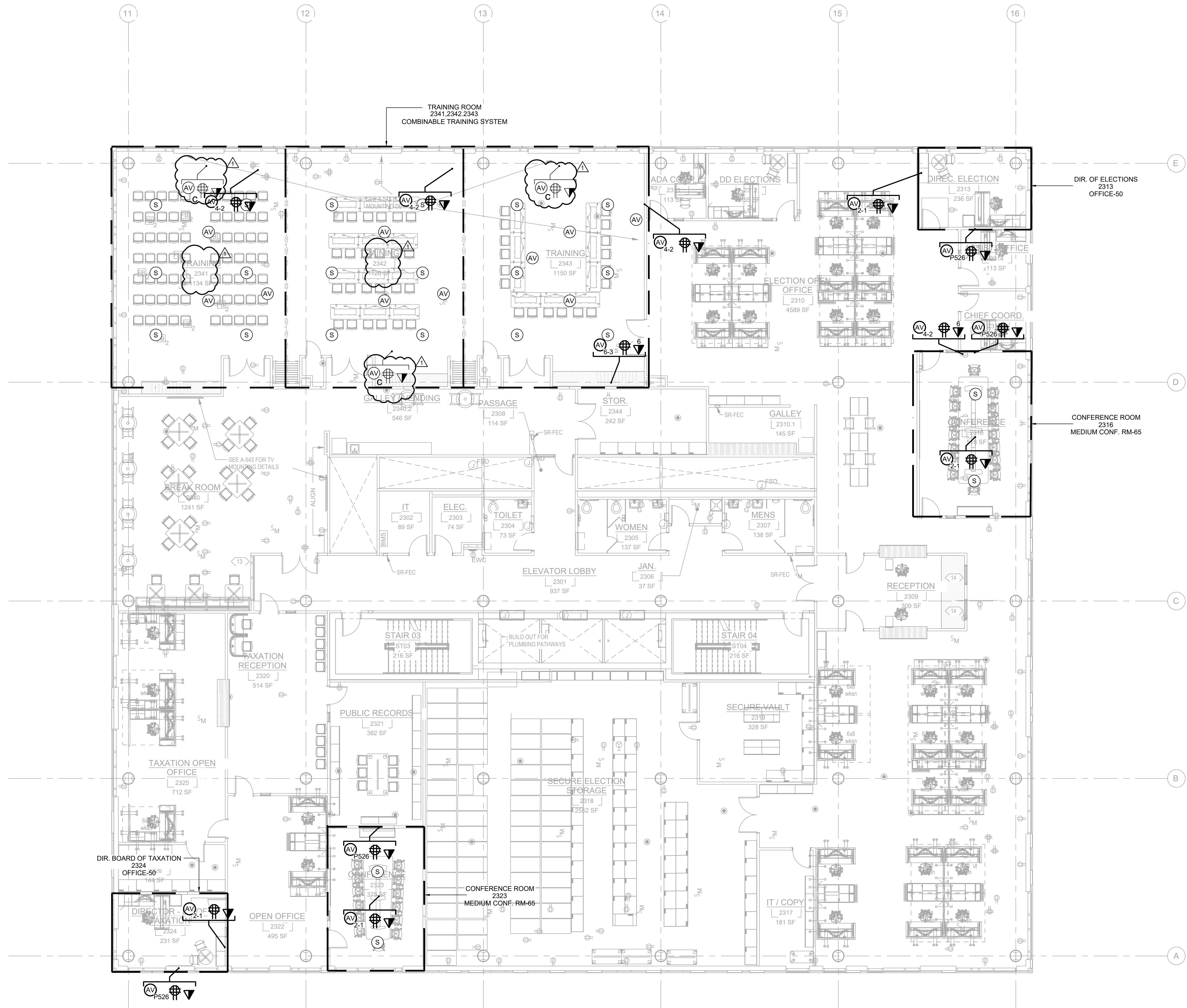
Drawing Information:
Project No: 1182.00
Date: 11/08/23
Drawn By: -
Checked By: -

Sheet Name:
LEVEL 1
AUDIO VISUAL
LOW VOLTAGE PLAN

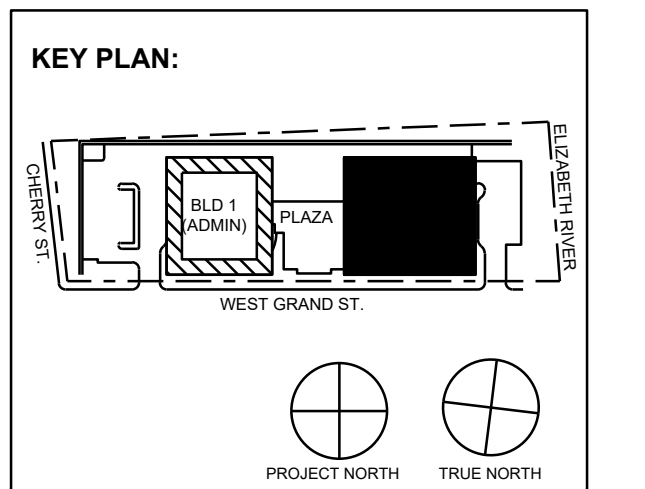
Sheet No: DOB NOW JOB #



AV2-301.00



AV LOW VOLTAGE SYMBOLS	
	WALL RECESSED JUNCTION BOX BY E.C. INSTALL AT 18" AFF. U.O.M. X: GANG SIZE OF JUNCTION BOX Y: QUANTITY OF CONDUITS FOR AV P526: CHIEF MANU. PACS28 MULTISERVICE BOX
	CONFERENCE TABLE IN-FEED / POKE-THRU DEVICE BY E.C. X: QUANTITY OF CONDUITS FOR AV
	ALS IR EMITTER: 1-GANG BOX, 72 IN. AFF. DEVICE BY E.C. (1) 1 IN. STUD-UP CONDUIT FOR AV
	QUAD POWER RECEPTACLE, PROVIDE ONE (1) 120 V, 20AMP DEDICATED CIRCUIT. FLUSH MOUNTED IN WALL AT HEIGHT INDICATED ON DRAWINGS.
	DATA OUTLET WITH (2) DATA PORTS
	DATA OUTLET WITH (X) DATA PORTS
	DATA OUTLET FOR ROOM SCHEDULER WITH ONE (1) DATA PORT
	FLUSH CEILING MOUNTED SPEAKER ASSEMBLY, SPEAKER BY A.V.C., CUT-OUTS BY G.C.
	SURFACE MOUNTED SPEAKER ASSEMBLY, SPEAKER BY A.V.C. (1 GANG JBOX WITH (1) 1" EC TO ACCESSIBLE CEILING)
	PENDANT MOUNTED SPEAKER ASSEMBLY, MOUNTED BEHIND ACOUSTIC CEILING FABRIC, SPEAKER BY A.V.C.
	AV DEVICE FEED: CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY.
	AV DEVICE FEED: CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY.
	POWER & DATA OUTLET INSTALLED AT DECK FOR CEILING-MOUNTED DEVICES.



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Veroz28, AIA
NJ RA AI 03827193



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
81 & 93 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

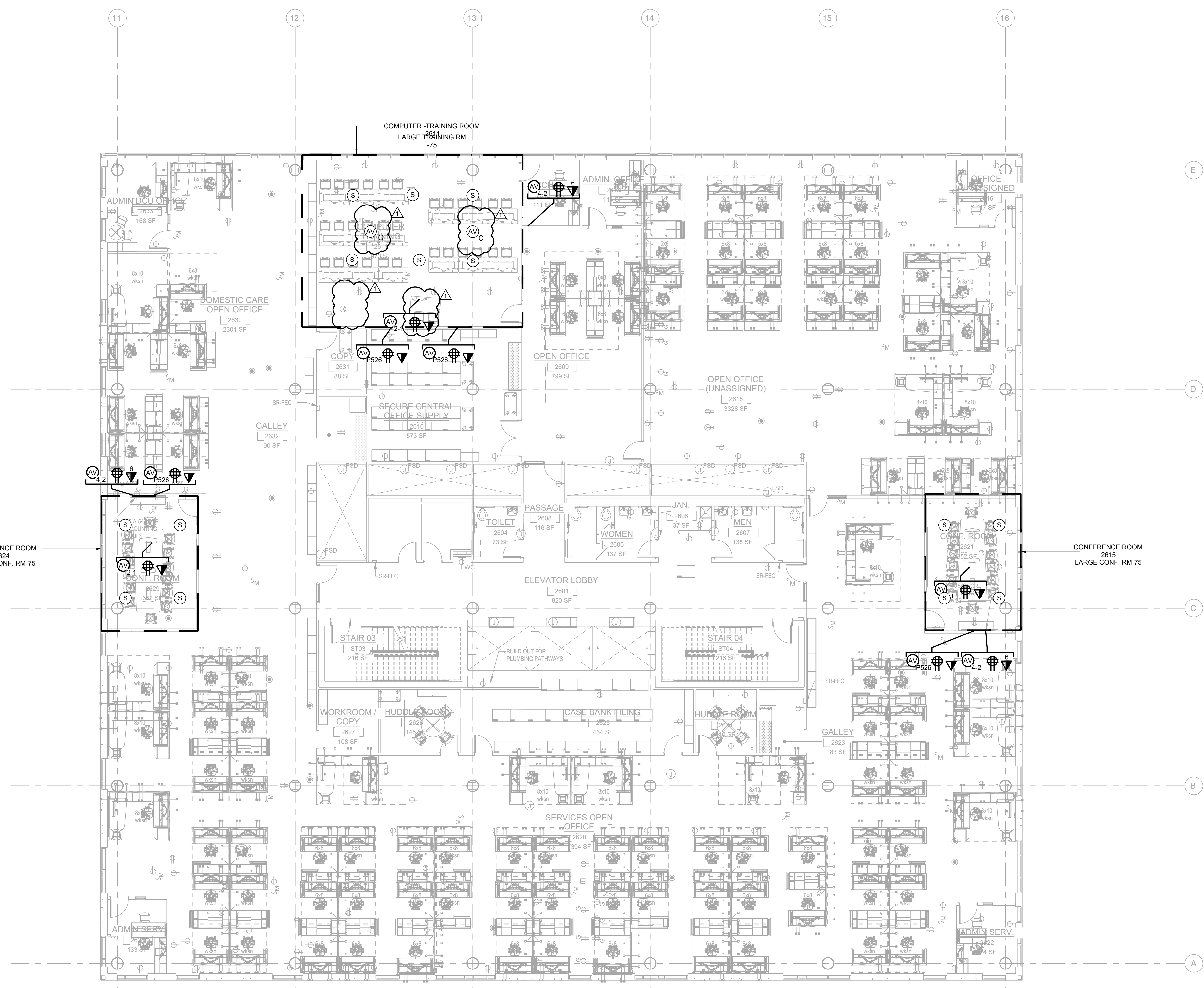
Drawing Information:
Project No: 1182.00
Date: 11/08/23
Drawn By: -
Checked By: -

Sheet Name: LEVEL 3
AUDIO VISUAL
LOW VOLTAGE PLAN

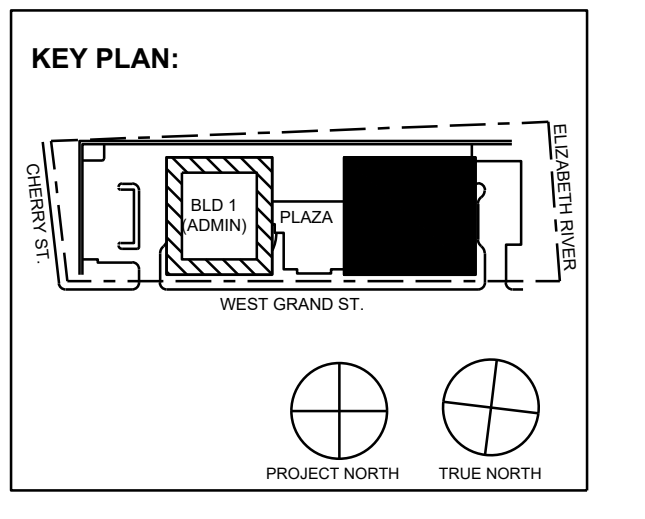
Sheet No: DOB NOW JOB #



AV2-303.00



AV LOW VOLTAGE SYMBOLS	
	WALL RECESSED JUNCTION BOX BY E.C. INSTALL AT 18" AFF. U.O.N. X: GANG SIZE OF JUNCTION BOX Y: QUANTITY OF CONDUITS FOR AV P526: CHIEF MANU. PAC526 MULTISERVICE BOX
	CONFERENCE TABLE IN-FEED / POKE-THRU DEVICE BY E.C. X: QUANTITY OF CONDUITS FOR AV
	ALS IR EMITTER: 1-GANG BOX, 72 IN. AFF. DEVICE BY E.C. (1) 1 IN. STUD-UP CONDUIT FOR AV
	QUAD POWER RECEPTACLE, PROVIDE ONE (1) 120 V, 20AMP DEDICATED CIRCUIT. FLUSH MOUNTED IN WALL AT HEIGHT INDICATED ON DRAWINGS.
	DATA OUTLET WITH (2) DATA PORTS
	DATA OUTLET WITH (X) DATA PORTS
	DATA OUTLET FOR ROOM SCHEDULER WITH ONE (1) DATA PORT
	FLUSH CEILING MOUNTED SPEAKER ASSEMBLY, SPEAKER BY A.V.C., CUT-OUTS BY G.C.
	SURFACE MOUNTED SPEAKER ASSEMBLY, SPEAKER BY A.V.C. (1 GANG, JBOX WITH (1) 1" EC TO ACCESSIBLE CEILING)
	PENDANT MOUNTED SPEAKER ASSEMBLY, MOUNTED BEHIND ACOUSTIC CEILING FABRIC; SPEAKER BY A.V.C.
	AV DEVICE FEED, CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY.
	AV DEVICE FEED CEILING MOUNTED; CHASE CABLE TO DEVICE OPENING; NO LOW VOLTAGE CONDUIT REQUIRED; PLENUM CABLE ONLY.
	POWER & DATA OUTLET INSTALLED AT DECK FOR CEILING-MOUNTED DEVICES.



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezo, AIA
 NJ RA AI 00827193



DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: -
 Checked By: -

Sheet Name: LEVEL 6
 AUDIO VISUAL
 LOW VOLTAGE PLAN

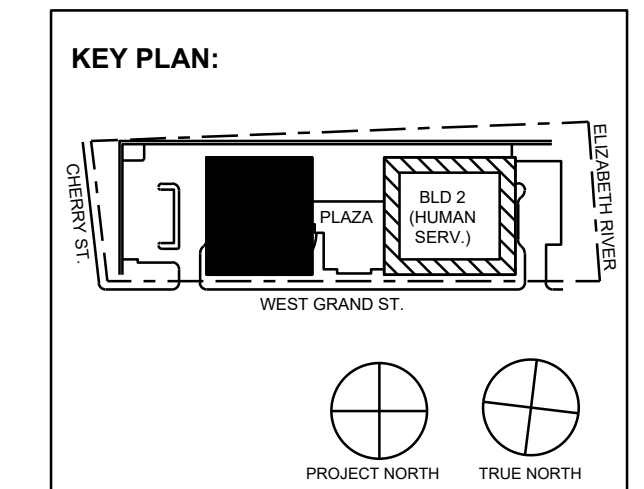
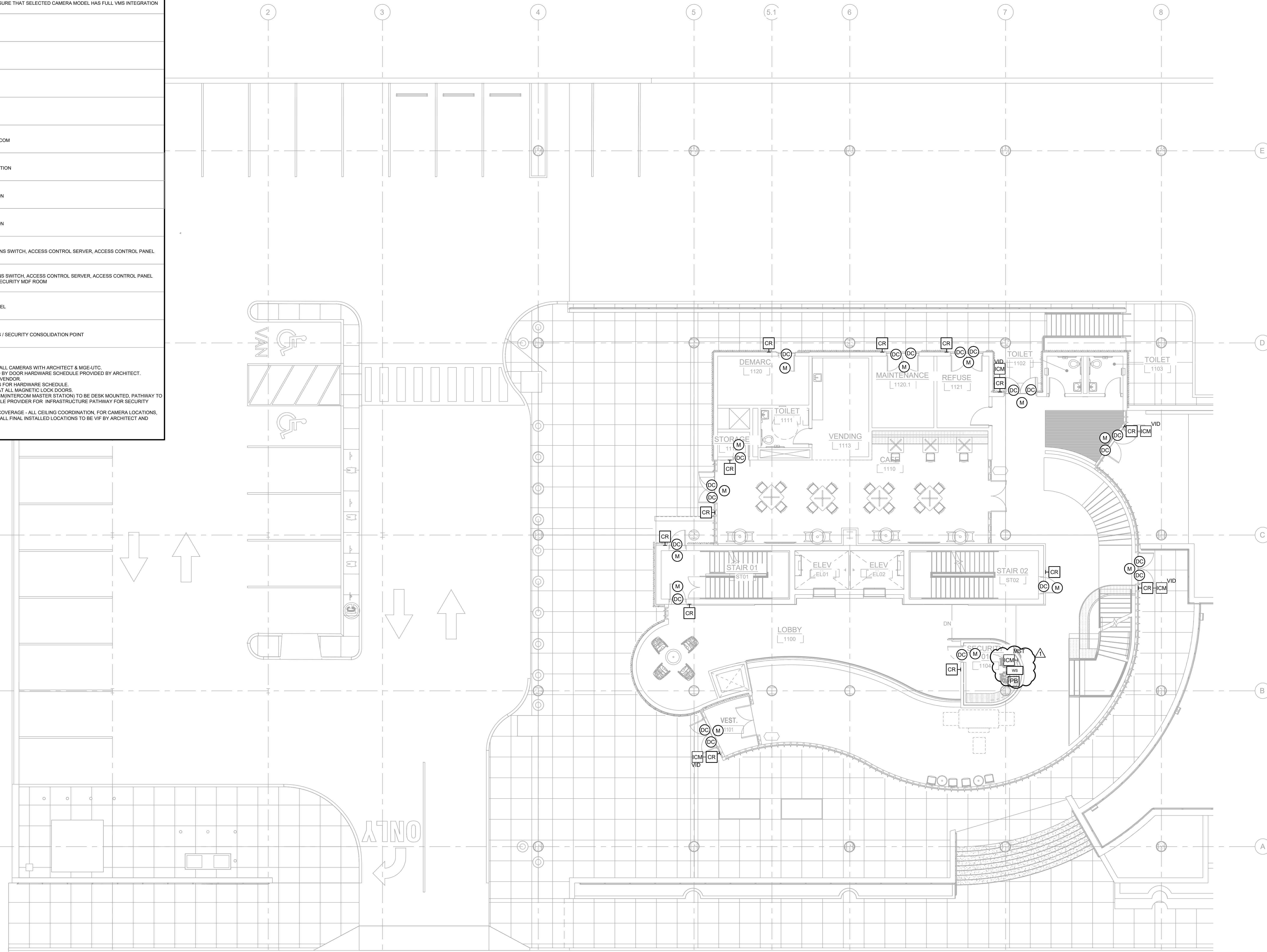
Sheet No: DOB NOW JOB #



AV2-306.00

SECURITY SYMBOL LEGEND	
	CAMERA - IP, DOME TYPE, MOTORIZED VARIOFOCAL LENS, MINIMUM 8MP, IR - INTERIOR/EXTERIOR AS APPLICABLE - INTEGRATOR SHALL ENSURE THAT SELECTED CAMERA MODEL HAS FULL VMS INTEGRATION
	CAMERA - IP, 360DG DOME TYPE, SINGLE SENSOR - INTERIOR/EXTERIOR AS APPLICABLE - INTEGRATOR SHALL ENSURE THAT SELECTED CAMERA MODEL HAS FULL VMS INTEGRATION
	CAMERA - IP, 180DG WALL MOUNTED, MULTISENSOR-INTERIOR/EXTERIOR AS APPLICABLE - INTEGRATOR SHALL ENSURE THAT SELECTED CAMERA MODEL HAS FULL VMS INTEGRATION
	CARD READER
	DOOR CONTACT
	MOTION SENSOR
	DOOR RELEASE
	SECURITY VIDEO INTERCOM
	MASTER INTERCOM STATION
	SECURITY PANIC BUTTON
	SECURITY WORKSTATION
	SECURITY MDF, CONTAINS SWITCH, ACCESS CONTROL SERVER, ACCESS CONTROL PANEL
	SECURITY IDF, CONTAINS SWITCH, ACCESS CONTROL SERVER, ACCESS CONTROL PANEL, CONNECTING BACK TO SECURITY MDF ROOM
	ACCESS CONTROL PANEL
	TELECOMMUNICATIONS / SECURITY CONSOLIDATION POINT

- NOTE:
- FIELD COORDINATE INSTALLATION OF ALL CAMERAS WITH ARCHITECT & MGE-UTC.
 - DOOR OPERATION TO BE DETERMINED BY DOOR HARDWARE SCHEDULE PROVIDED BY ARCHITECT. COORDINATE WITH DOOR HARDWARE VENDOR.
 - REFER TO ARCHITECTURAL DRAWINGS FOR HARDWARE SCHEDULE.
 - REQUEST TO EXIT IS TO BE LOCATED AT ALL MAGNETIC LOCK DOORS.
 - ALL PB (PANIC BUTTON) AS WELL AS ICM (INTERCOM MASTER STATION) TO BE DESK MOUNTED. PATHWAY TO BE COORDINATED WITH TELECOM CABLE PROVIDER FOR INFRASTRUCTURE PATHWAY FOR SECURITY CABLE.
 - CAMERAS ARE SHOWN FOR AREA OF COVERAGE - ALL CEILING COORDINATION, FOR CAMERA LOCATIONS, TO BE AS PER THE ARCHITECT'S RCP - ALL FINAL INSTALLED LOCATIONS TO BE VIF BY ARCHITECT AND CONSULTANT.



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venzon, AIA
 NJ RA AI 00827192

PRELIMINARY
NOT FOR CONSTRUCTION

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 1
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: OT
 Checked By: NC

Sheet Name:
LEVEL 1 SECURITY PLAN

Sheet No: _____ DOB NOW JOB # _____

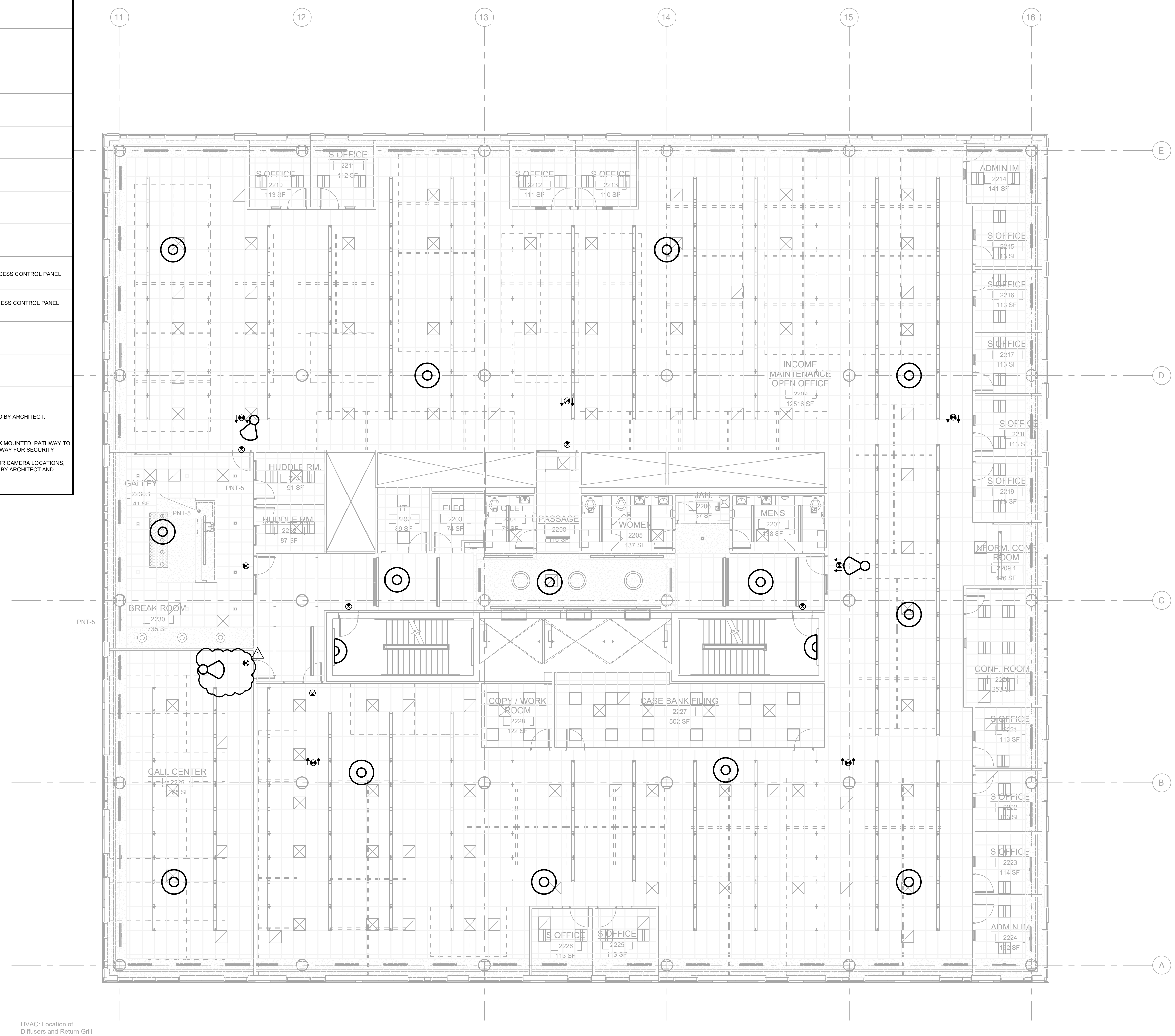


SC1-101.00

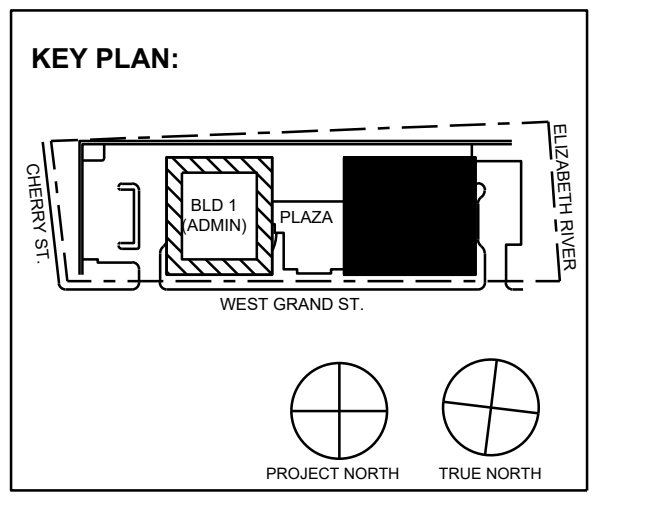
SECURITY SYMBOL LEGEND

	CAMERA - IP, DOME TYPE, MOTORIZED VARIFOCAAL LENS, MINIMUM SMP, IR - INTERIOR/EXTERIOR AS APPLICABLE - INTEGRATOR SHALL ENSURE THAT SELECTED CAMERA MODEL HAS FULL VMS INTEGRATION
	CAMERA - IP, 360DG DOME TYPE, SINGLE SENSOR - INTERIOR/EXTERIOR AS APPLICABLE - INTEGRATOR SHALL ENSURE THAT SELECTED CAMERA MODEL HAS FULL VMS INTEGRATION
	CAMERA - IP, 180DG WALL MOUNTED, MULTISENSOR-INTERIOR/EXTERIOR AS APPLICABLE - INTEGRATOR SHALL ENSURE THAT SELECTED CAMERA MODEL HAS FULL VMS INTEGRATION
	CARD READER
	DOOR CONTACT
	MOTION SENSOR
	DOOR RELEASE
	SECURITY VIDEO INTERCOM
	MASTER INTERCOM STATION
	SECURITY PANIC BUTTON
	SECURITY WORKSTATION
	SECURITY MDF, CONTAINS SWITCH, ACCESS CONTROL SERVER, ACCESS CONTROL PANEL
	SECURITY IDF, CONTAINS SWITCH, ACCESS CONTROL SERVER, ACCESS CONTROL PANEL CONNECTING BACK TO SECURITY MDF ROOM
	ACCESS CONTROL PANEL
	TELECOMMUNICATIONS / SECURITY CONSOLIDATION POINT

- NOTE:
- FIELD COORDINATE INSTALLATION OF ALL CAMERAS WITH ARCHITECT & MGE-UTC.
 - DOOR OPERATION TO BE DETERMINED BY DOOR HARDWARE SCHEDULE PROVIDED BY ARCHITECT.
 - COORDINATE WITH DOOR HARDWARE VENDOR.
 - REFER TO ARCHITECTURAL DRAWINGS FOR HARDWARE SCHEDULE.
 - REQUEST TO EXIT IS TO BE LOCATED AT ALL MAGNETIC LOCK DOORS.
 - ALL PB (PANIC BUTTON) AS WELL AS ICM (INTERCOM MASTER STATION) TO BE DESK MOUNTED. PATHWAY TO BE COORDINATED WITH TELECOM CABLE PROVIDER FOR INFRASTRUCTURE PATHWAY FOR SECURITY CABLE.
 - CAMERAS ARE SHOWN FOR AREA OF COVERAGE - ALL CEILING COORDINATION, FOR CAMERA LOCATIONS, TO BE AS PER THE ARCHITECT'S RCP - ALL FINAL INSTALLED LOCATIONS TO BE VIF BY ARCHITECT AND CONSULTANT.



HVAC: Location of Diffusers and Return Grill



No.	Date	Description
11/30/2023	ISSUED FOR ADDENDUM 1	
11/09/2023	ISSUED FOR PUBLIC BID	
09/29/2023	ISSUED FOR REVIEW	

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezia, AIA
 NJ RA: AI 00827190

**PRELIMINARY
 NOT FOR CONSTRUCTION**

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:
UNION COUNTY IMPROVEMENT AUTHORITY

Project:
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2
 81 & 93 WEST GRAND STREET
 CITY OF ELIZABETH
 NEW JERSEY, 07202

Drawing Information:
 Project No: 1182.00
 Date: 11/08/23
 Drawn By: OT
 Checked By: NC

Sheet Name:
LEVEL 2 SECURITY RCP PLAN

Sheet No: _____ DOB NOW JOB # _____



SC2-202.00

1/8"=1'-0"