

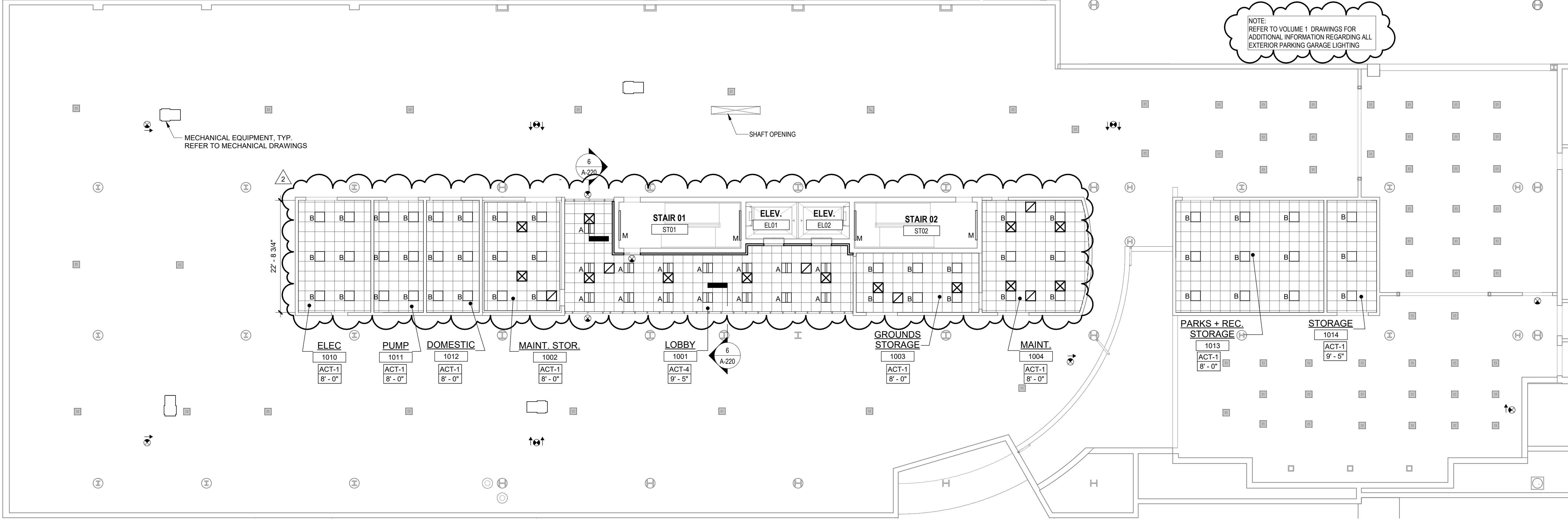
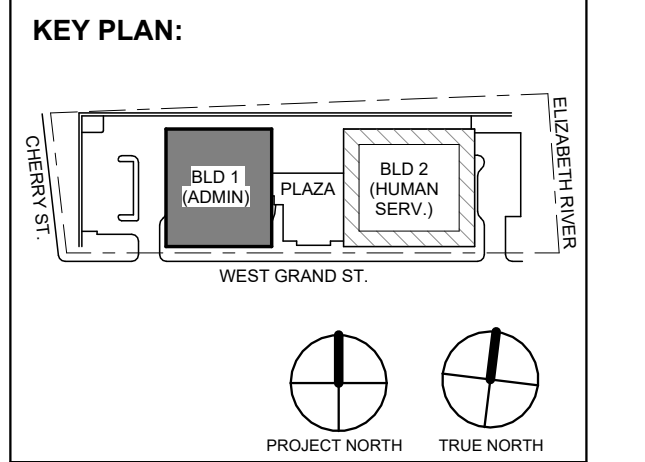
TAG	TYPE	MANUFACTURER	DESCRIPTION	MODEL INFORMATION
A	RECESSED	LITHONIA	ENVX 2X2 LED	ENVX 2X2 HRG 3000LM 90 CRI 35K MIN10
B	RECESSED	LITHONIA	CPANL 2X2 LED	CPANL 2X2 ALO1 SWW7 M4 35K
C	LINEAR PENDANT	MARK	SLOT 2 DIRECT/INDIRECT	S2PID LCB __ 90 CRI 35K 600 LMF BW DCT MIN10 FLL DC MVOLT WHTT
D	SLOT RECESSED	MARK	SLOT 2 RECESSED LED	SL2L LOP __ FLP TG 90CRI 35K 600 LMF __ MIN10
E	SQUARE DOWNLT	OPUS	REPRIS RS4 4" SQUARE DOWNLIGHT	SW90-35K-30 LM - DIM10 - BM WH WH
F	LINEAR PENDANT	MARK	SLOT2	S2PID LCB __ 90 CRI 35K 600 LMF BW DCT MIN10 FLL DC MVOLT WHTT
F1	LINEAR SLOT	MARK	SLOT2 - TRANSITION KIT FROM PENDANT	SIMILAR TO ABOVE
G	SLOT EXTERIOR	NULITE	REGOLO 4" SLOT RECESSED LENS	RXT-F FF 05 H35 1E U D S 4 GTD VR
H	WALL GRAZER	MARK	4" SPR LED WALL GRAZER	SPRLED LOP __ RLP FL 90CRI 35K 600LMF MIN 1 MVOLT
I	PENDANT	WAC	TRAP 27" DIA DECORATIVE RING PENDANT	PD-95827 3000K CRI 90 CHROME FINISH
J	SMALL PENDANT	EUREKA	11" ACCENT PENDANT	4255-UFL-LED8 -35-90-120V-DV -60 - RC WH
K	MINI SPOT	WAC	MINI LED MULTIPLE SPOTS	MT-3LD311NA-F935-BK
L	PENDANT RING	EUREKA	CYCLE 24" RING PENDANT	4800-24-LED-35-90-120V-DV
M	PENDANT RING	EUREKA	CYCLE 54" RING PENDANT	4800-54-LED-35-90-120V-DV
N	STAIR LIGHT	MERCURY	48" LINEAR WALL MOUNTED	L455 4 8 3800 35K HTA20 1% 50-UNI-EM
O	PENDANT	NEMO	33" KEPLER MINOR	KEM LWW 52 3000K DOWNLIGHT
N	COLUMN HALO	DIODE LED	NEON BLAZE DIFFUSED LED LIGHTING	DI-24V-NBL4-35 __ CHM -UC 010 O/O FACTORY
P	LED TAPE LIGHT	INFINILINE	DIODE - HARDWIRED	120V LED STRIP LIGHT 3500K CRI90 - WET OR DRY LOCATION RATED -LENGTHS VARY
Q	LINEAR WALL MNT	XICO	NANO SQUARE 0.95" LED SURFACE MOUNT	NSQ95-54-MWH-ET-OFL-HE90-35-DLAM X200LM/FT-UNV-FD01 - SC1, P48WH, SSMB
R	SURFACE RING	EUREKA	SPIN 3036B - SURFACE RING FIXTURE	3036B-LED-35-90-120V-DV-WHE-WHE
S	ACCENT RING	NEMO	43" KEPLER	KEPLWW 52 DOWNLIGHT 3000K
T	BELL PENDANT	EUREKA	24" APERATURE	4256-24 LED 35 90 120V DV AC RC1 WHM WHM
U	PATH (EXTERIOR)	LANDSCAPE FORMS	MULTIPLICITY	FU-440L4-025F35K-UV1-EM ANONDIZED FINISH
V	PLANTER	WAC	GRAND ACCENT 3" DIA	120V 5212-30-BK
W	COVE (EXTERIOR)	LUMENPULSE	LUMENFACADE NANO	LOGNH 4W 48V 12 90 35K W FR UMPNH BK UCTL CRC UL
X1	EXIT SIGN (CEILING)	ASTRALIGHT	AEL	AEL-U-1 OR 2 - RC-W-DI
X2	EXIT SIGN (WALL)	ASTRALIGHT	AEL	AEL-U-1 OR 2 - RC-W-DI
X3	EXIT SIGN (EXTERIOR)	ASTRALIGHT	AEL	AEL-U-1 OR 2 - RC-W-DI
Y	MURAL	LUMENPULSE	LUMENFACADE INGROUND	RO LOI HO-120-48-30K-WW-TS2.5-XX-XX-ASL /
Y1	ROOF CANOPY	LUMENPULSE	LUMENFACADE INGROUND	LFP-120/277-48-10W-30K-80-CAS-CL-FEED-CONTROL-NVR-FX-FINISH NA + CABLES + CONTROLS
Z	FLAGPOLE	HYDREL	M9700C IN-GRADE LUMINAIRE	M9720C P1 80 NSP 30K - DOUBLE LENS-P1-NARROW SPOT
PL-A	PARKING LOT FIXT	LITHONIA	UNDERGROUND PARKING	VCPG-V4-P1-40K-70 CTI-TSM-MVOLT-SR-M-PIR
PL-B	PARKING LOT FIXT	LITHONIA	UNDERGROUND PARKING	VCPG-V4-P4-40K-70 CTI-TSM-MVOLT-SR-M-PIR
PL-C	NOT USED			
S-A	PARKING LOT	LSI INDUSTRIES	REFER TO CIVIL DRAWINGS FOR SITE LIGHTING	
S-B	PARKING LOT	LSI INDUSTRIES	REFER TO CIVIL DRAWINGS FOR SITE LIGHTING	
S-C	BOLLARD AT STREET	HESS AMERICA	42" H ROUND BOLLARD W/ LIGHT	SE42G - IF- 30K-DIM-UV-CC

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 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 OR 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 TRUSS 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' BY 2' 2'-0" RECESSED TROFFER CEILING LIGHT FIXTURE (TYPE A) @ PRIVATE OFFICES
B	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES
C	2" VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES
D	2" X 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
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)
F2	LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F2)
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	24" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
L2	54" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)
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 COVE CEILING
Q	VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
R	SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R) @ BLDG. 1 - COMMISSIONER VESTIBULE
S	SURFACE MOUNTED RING FIXTURE (TYPE S)
T	DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)
	6" CEILING DOWNLIGHT RECESSED CAN
	EXIT SIGN
	FA CEILING MOUNTED SPEAKER & STROBE
	FA CEILING MOUNTED STROBE
	SMOKE DETECTOR
	12" X 12" ACCESS DOOR
MS	MOTORIZED SHADES



FINISH NOTES:

- COLUMN / BEAM COVER**  
 BASIS OF DESIGN  
 MANUFACTURER: CENTRIA  
 PRODUCT: COLUMN COVERS SERIES 3000
- WOOD LOOK ALUMINUM SLATS VARYING 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: MECHOSHADE  
 PRODUCT: MECHOS 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'-5" A.F.F.
RESTROOMS:	8'-0" A.F.F. (ACT-3 OR ACT-4)

1 BLDG 1 - LEVEL 0 - UNDERGROUND REFLECTED CEILING PLAN  
SCALE: 3/32" = 1'-0"

No.	Date	Description
4	12.22.2023	Addendum No. 4
2	12.08.2023	Addendum No. 2

**Revisions / Issues**

**DIGroupArchitecture**  
 ARCHITECTURE FOR CHANGE  
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 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

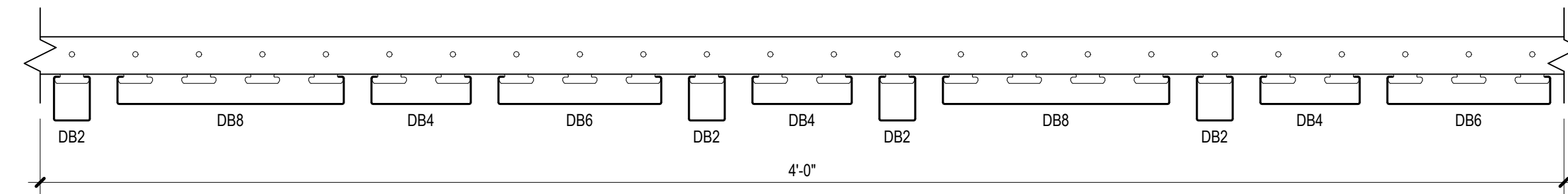
Project: UNION COUNTY GOVERNMENT COMPLEX  
81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY, 07202

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 0 - UNDERGROUND FLOOR REFLECTED CEILING PLAN  
Sheet No:

A1-200





- NOTES:**
- BASIS OF DESIGN  
MANUFACTURER: CERTANTEED  
PRODUCT: MULTI BOX CONTINUOUS (\*HOTEL\* PATTERN)
  - INTERGRAATED 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"



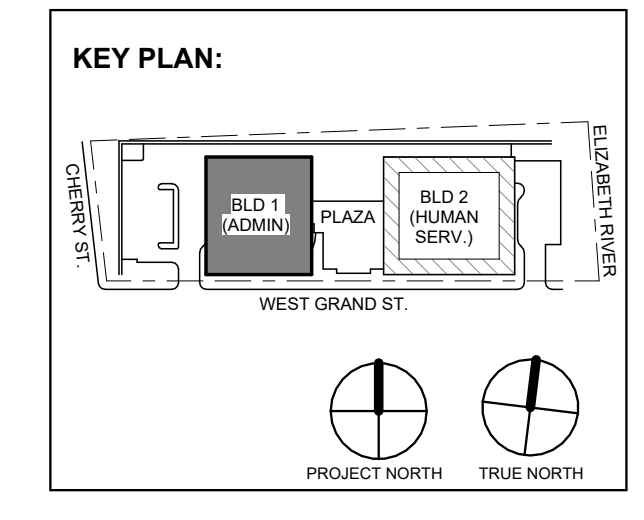
**1 BLDG 1 - LEVEL 1 - GROUND FLOOR REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"

**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-PIVETS 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.
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- 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-CEILINGS 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. U. 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 10'-4"	CEILING TYPE 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 TROFFE CEILING LIGHT FIXTURE (TYPE A) @ PRIVATE OFFICES
B	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES
C	2' X VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES MOUNTING HEIGHT - 8'-0" A.F.F.
D	2' X 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
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)
F2	LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F2)
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	2" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
L2	5" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)
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 COVE CEILING
Q	VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
R	SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R) @ BLDG. 1 - COMMISSIONER VESTIBULE
S	SURFACE MOUNTED RING FIXTURE (TYPE S)
T	DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)
[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
4	12.22.2023	Addendum No. 4
1	12.01.2023	Addendum No. 1
	11.08.2023	For Public Bid

Revisions / Issues

**DI Group Architecture**  
ARCHITECTURE FOR CHANGE

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Jeffrey D. Venezia, AIA  
NJ RA #A10927100

**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: MECOSHIS 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'-5" A.F.F.
RESTROOMS:	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 1 - GROUND FLOOR REFLECTED CEILING PLAN**

Sheet No:  
**A1-201**



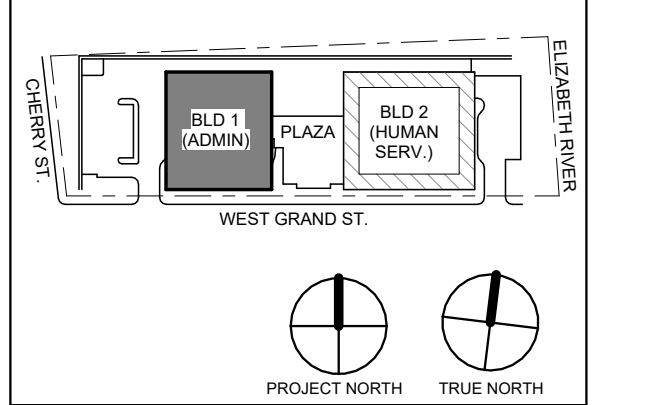
REFLECTED CEILING PLAN NOTES:

- 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, GRILLES 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 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 CEILING U.O.N.
- Q. PROVIDE SOFFIT TRANSITIONS BETWEEN ACT CEILINGS AND GYPSUM BOARD CEILINGS.
- R. 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.
- S. 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.
- 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
[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) @ PRIVATE OFFICES
B	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES
C	2" X VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES
D	2" X 4'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
D2	4" SQUARE RECESSED DOWNLIGHT FIXTURE (TYPE D2)
E	RECESSED DIRECT LINEAR FIXTURE, VARYING LENGTHS (TYPE E)
F2	LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F2)
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	24" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
L2	54" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)
M	6'-0" LINEAR SURFACE WALL MOUNT LIGHT FIXTURE (TYPE M)
N	DECORATIVE ROUND SUSPENDED PENDANT LIGHT WITHIN VESTIBULE (TYPE N)
O	COVE LIGHTING AT COLUMN (TYPE O)
P	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) @ BLDG. 1 - COMMISSIONER VESTIBULE
S	SURFACE MOUNTED RING FIXTURE (TYPE S)
T	DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)
[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
4	12/22/2023	Addendum No. 4
1	12/01/2023	Addendum No. 1

**DiGroupArchitecture**  
ARCHITECTURE FOR CHANGE

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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: CENTRIA  
PRODUCT: COLUMN COVERS SERIES 3000
- WOOD LOOK ALUMINUM SLATS VARYING 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 CORE:	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.

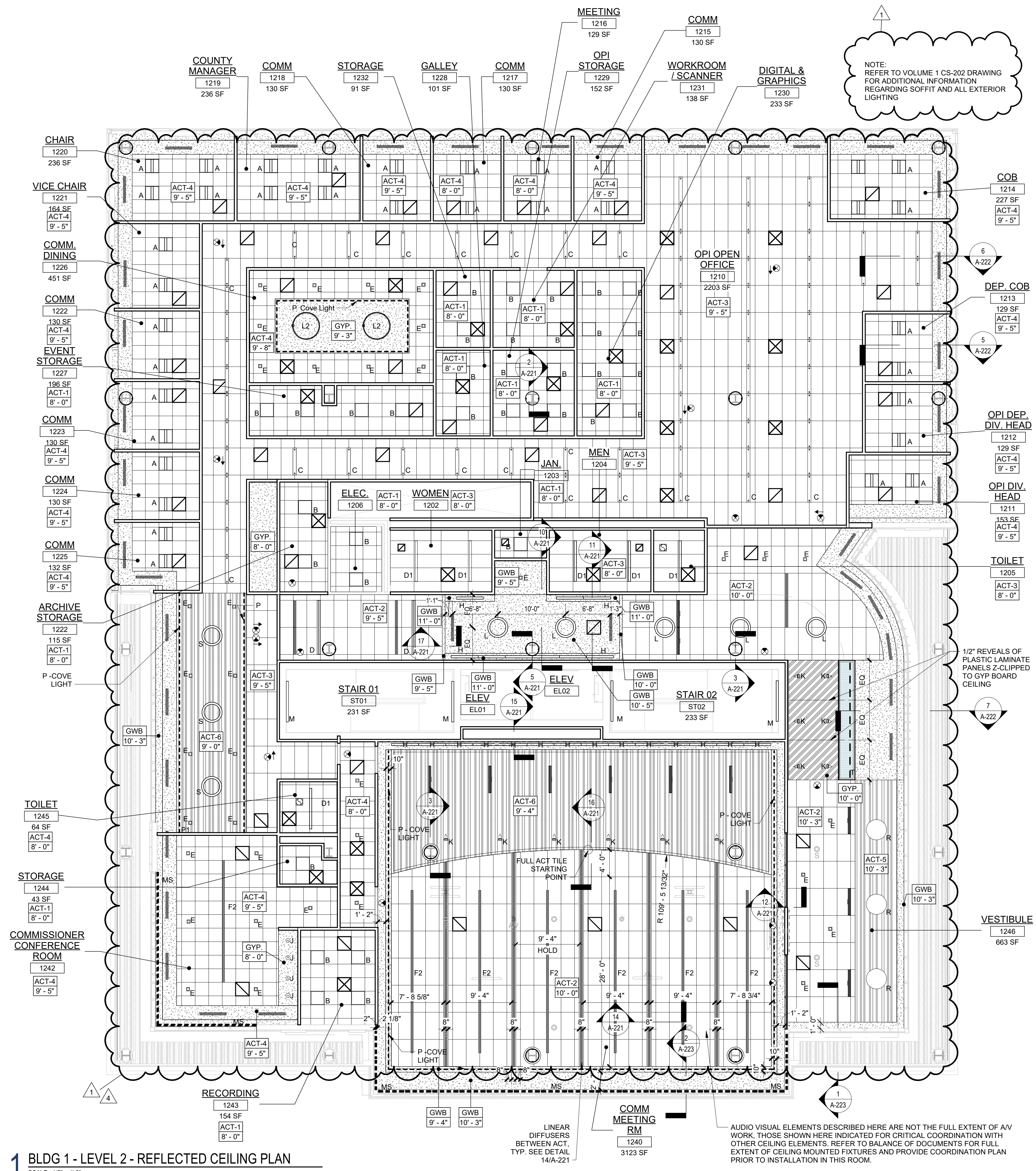
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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 2 - REFLECTED CEILING PLAN**

Sheet No:  
**A1-202**



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







REFLECTED CEILING PLAN NOTES:

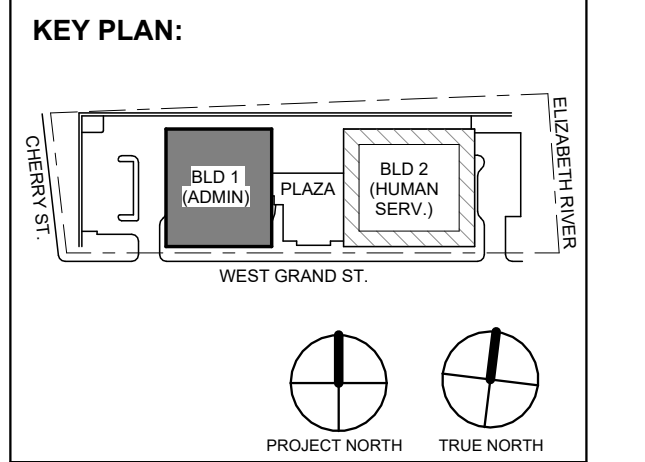
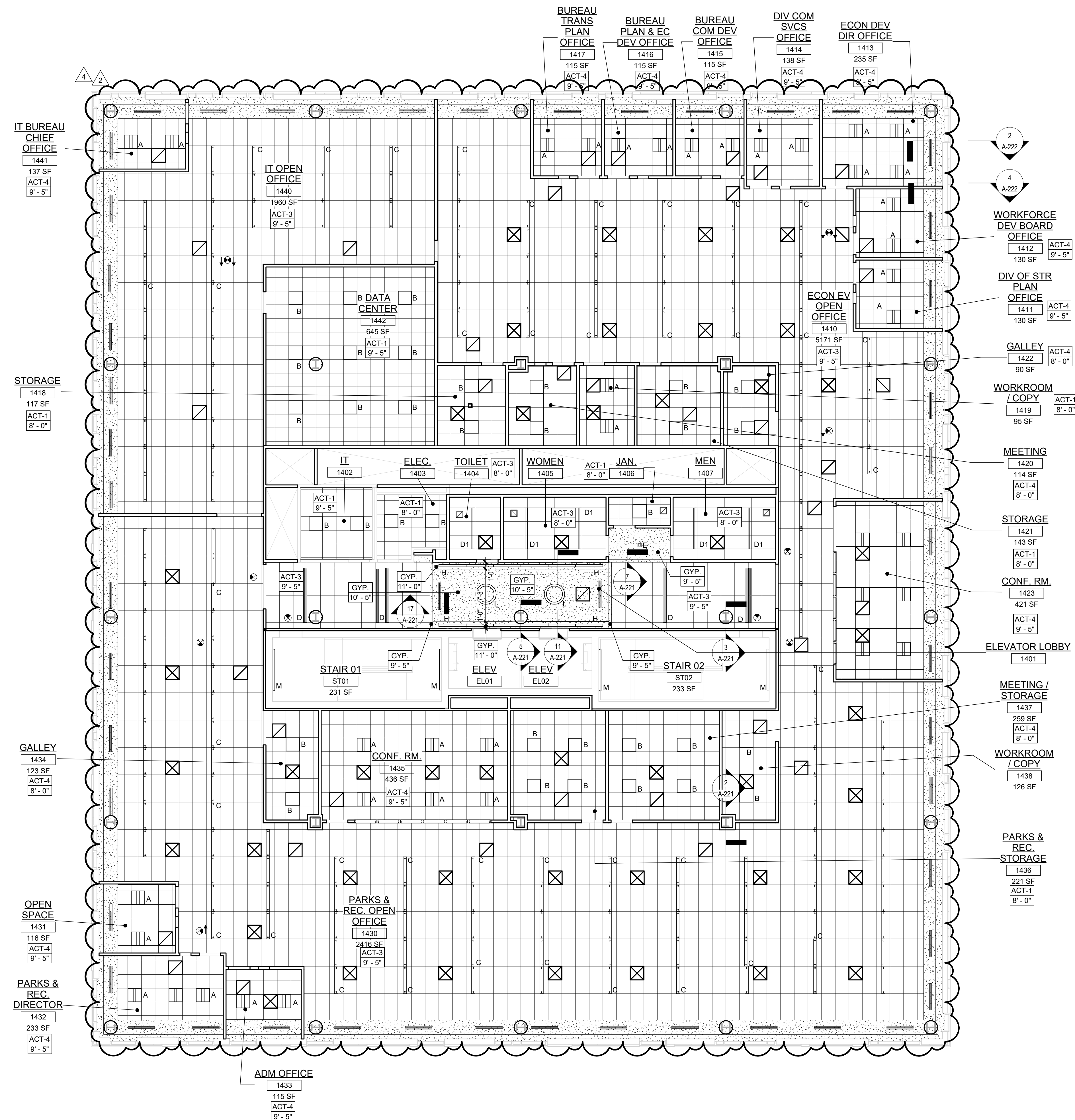
- A. BORDERS AT LAY-IN ACOUSTICAL CEILING PANELS SHALL BE CUT TO MATCH FACTORY EDGE PROFILE. NO EXPOSED FASTENERS SHALL BE PERMITTED INCLUDING POP RIVETS AND TAPETS.
- B. HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED 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 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.
- 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, GRILLES 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 APPURTENANCE.
- 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. BD. CEILINGS AS REQUIRED TO PROVIDE ACCESS TO ABOVE-CEILING VAN BOXES, DAMPERS, VALVES, EQUIPMENT, ETC. SEE MEP DRAWINGS FOR LOCATIONS AND SPECIFICATIONS, COORDINATE FINAL LOCATIONS WITH DESIGNER PRIOR TO INSTALLATION.
- S. 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.
- 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

- GYPSUM BOARD CEILING
- 2' BY 2' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
- 4' BY 4' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
- HVAC - RETURN
- HVAC - SUPPLY
- HVAC - LINEAR SUPPLY
- HVAC - BATHROOM EXHAUST FAN
- 2'-0" X 2'-0" RECESSED TROFFE CEILING LIGHT FIXTURE (TYPE A) @ PRIVATE OFFICES
- 2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES
- 2' x VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES
- 2' x 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
- 2' x 4'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D2)
- 4" SQUARE RECESSED DOWNLIGHT FIXTURE (TYPE E)
- RECESSED DIRECT LINEAR FIXTURE, VARYING LENGTHS (TYPE F)
- LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F2)
- 4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
- LINEAR WALL GRAZER LIGHT (TYPE H)
- DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE I) AT CAFE
- DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE J)
- LED ADJUSTABLE SPOT LIGHT FIXTURE (TYPE K)
- 24" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
- 54" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)
- 6'-0" LINEAR SURFACE WALL MOUNT LIGHT FIXTURE (TYPE M)
- RECESSED DIRECT LINEAR FIXTURE, MOUNTING HEIGHT - 8'-0" ABOVE LANDING TO 4' OF FIXTURE AT EGRESS STAIRS
- RECESSED DIRECT LINEAR FIXTURE, MOUNTING HEIGHT - 7'-4" ABOVE LANDING TO 4' OF FIXTURE AT E.M.R.
- DECORATIVE ROUND SUSPENDED PENDANT LIGHT WITHIN VESTIBULE (TYPE N)
- COVE LIGHTING AT COLUMN (TYPE O)
- LED TAPE LIGHT AT COVE CEILING
- VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
- SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R) @ BLDG 1 - COMMISSIONER VESTIBULE
- SURFACE MOUNTED RING FIXTURE (TYPE S)
- DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)
- 6" CEILING DOWNLIGHT RECESSED CAN
- EXIT SIGN
- FA CEILING MOUNTED SPEAKER & STROBE
- FA CEILING MOUNTED STROBE
- SMOKE DETECTOR
- 12" x 12" ACCESS DOOR
- MOTORIZED SHADES



No.	Date	Description
4	12.22.2023	Addendum No. 4
2	12.08.2023	Addendum No. 2

**Revisions / Issues**

**Client:**  
UNION COUNTY IMPROVEMENT AUTHORITY

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

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

**Sheet Name:**  
**BUILDING NO. 1 - LEVEL 4 - REFLECTED CEILING PLAN**

**Sheet No:**

FINISH NOTES:

- COLUMN / BEAM COVER**  
BASIS OF DESIGN  
MANUFACTURER: CENTRIA  
PRODUCT: COLUMN COVERS SERIES 3000
- WOOD LOOK ALUMINUM SLATS VARYING 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: MECOSHADA  
PRODUCT: MECOSHADA

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'-5" A.F.F.
RESTROOMS:	8'-0" A.F.F. (ACT-3 OR ACT-4)

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

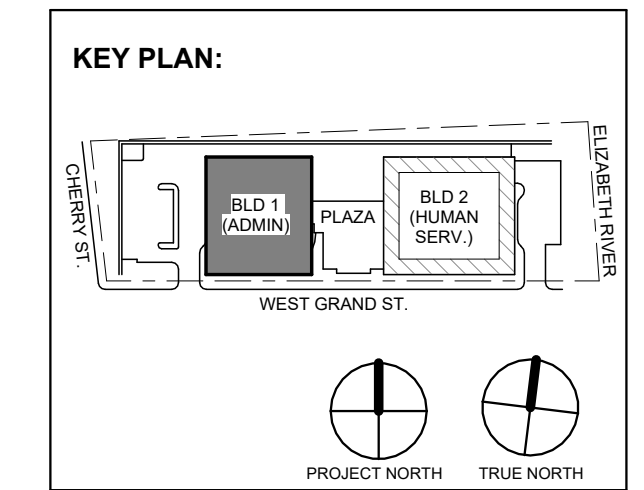


REFLECTED CEILING PLAN NOTES:

- 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.
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- 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, GRILLES 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 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. 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.
- S. 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.
- 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 NUMBER
	CEILING TYPE
	CEILING HEIGHT
	GYPSUM BOARD CEILING
	2" BY 2" SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
	4" BY 4" SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
	HVAC - RETURN
	HVAC - SUPPLY
	HVAC - BATHROOM EXHAUST FAN
	2'-0" X 2'-0" RECESSED TROFF CEILING LIGHT FIXTURE (TYPE A) @ PRIVATE OFFICES
	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES
	2" X VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES
	2" X 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
	2" X 4'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D2)
	4" SQUARE RECESSED DOWNLIGHT FIXTURE (TYPE E)
	RECESSED DIRECT LINEAR FIXTURE, VARYING LENGTHS (TYPE F)
	LINEAR DIRECT INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F2)
	4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
	LINEAR WALL GRAZER LIGHT (TYPE H)
	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE I) AT CAFE
	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE J)
	LED ADJUSTABLE SPOT LIGHT FIXTURE (TYPE K)
	24" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
	54" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)
	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.
	DECORATIVE ROUND SUSPENDED PENDANT LIGHT WITHIN VESTIBULE (TYPE N)
	COVE LIGHTING AT COLUMN (TYPE O)
	LED TAPE LIGHT AT COVE CEILING
	VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
	SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R) @ BLDG. 1 - COMMISSIONER VESTIBULE
	SURFACE MOUNTED RING FIXTURE (TYPE S)
	DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)
	6" CEILING DOWNLIGHT RECESSED CAN
	EXIT SIGN
	FA CEILING MOUNTED SPEAKER & STROBE
	FA CEILING MOUNTED STROBE
	SMOKE DETECTOR
	12" X 12" ACCESS DOOR
	MOTORIZED SHADES



No.	Date	Description
4	12.23.2023	Addendum No. 4
2	12.08.2023	Addendum No. 2

**Revisions / Issues**

**DiGroupArchitecture**  
ARCHITECTURE FOR CHANGE

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2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA  
NJ RA AI 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: MECHOSHADE  
PRODUCT: MECHOSH 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'-5" A.F.F.
BESTROOMS:	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**

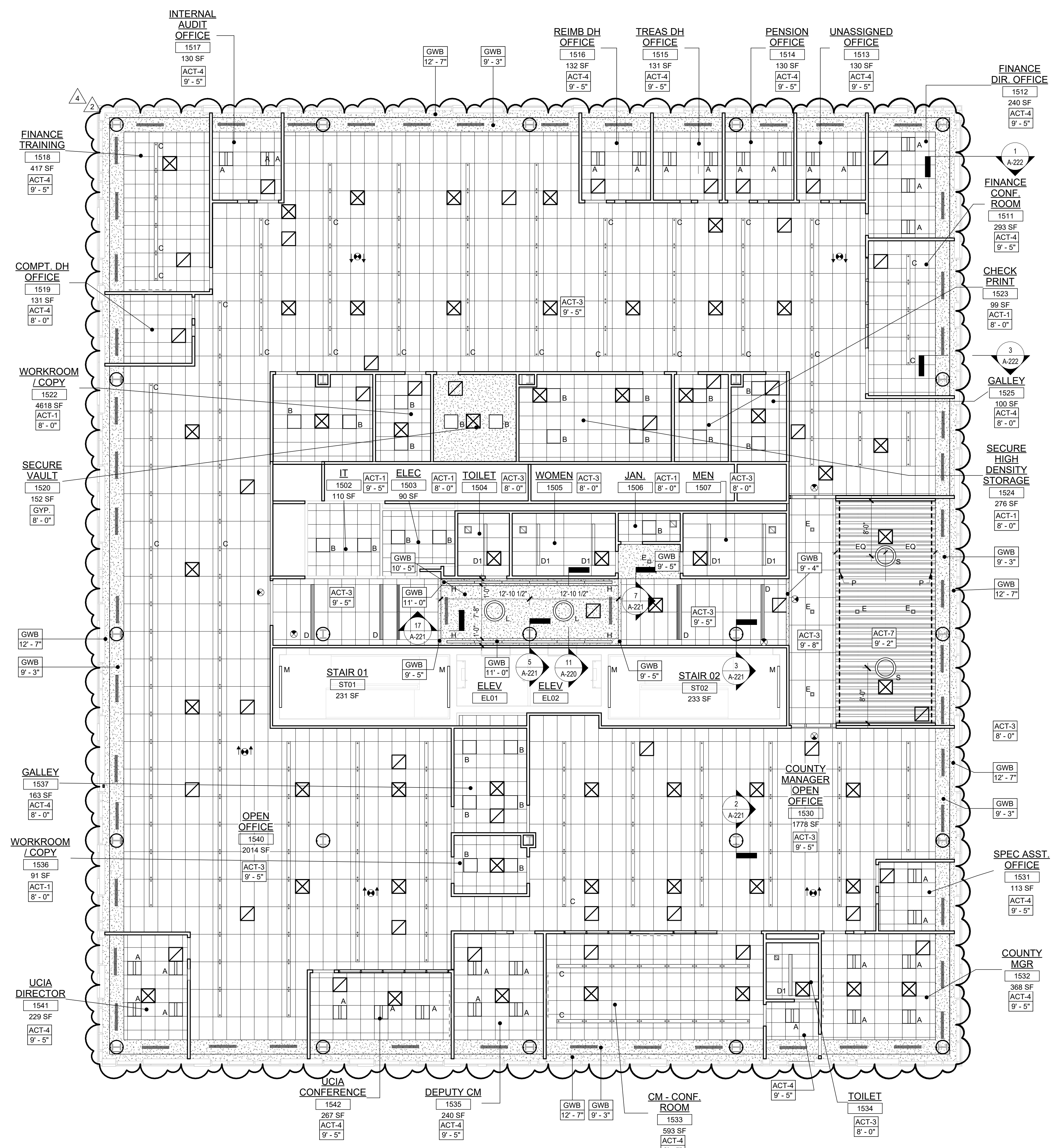
Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY, 07202

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 5 - REFLECTED CEILING PLAN**

Sheet No:

**A1-205**



**1 BLDG 1 - LEVEL 5 - REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"

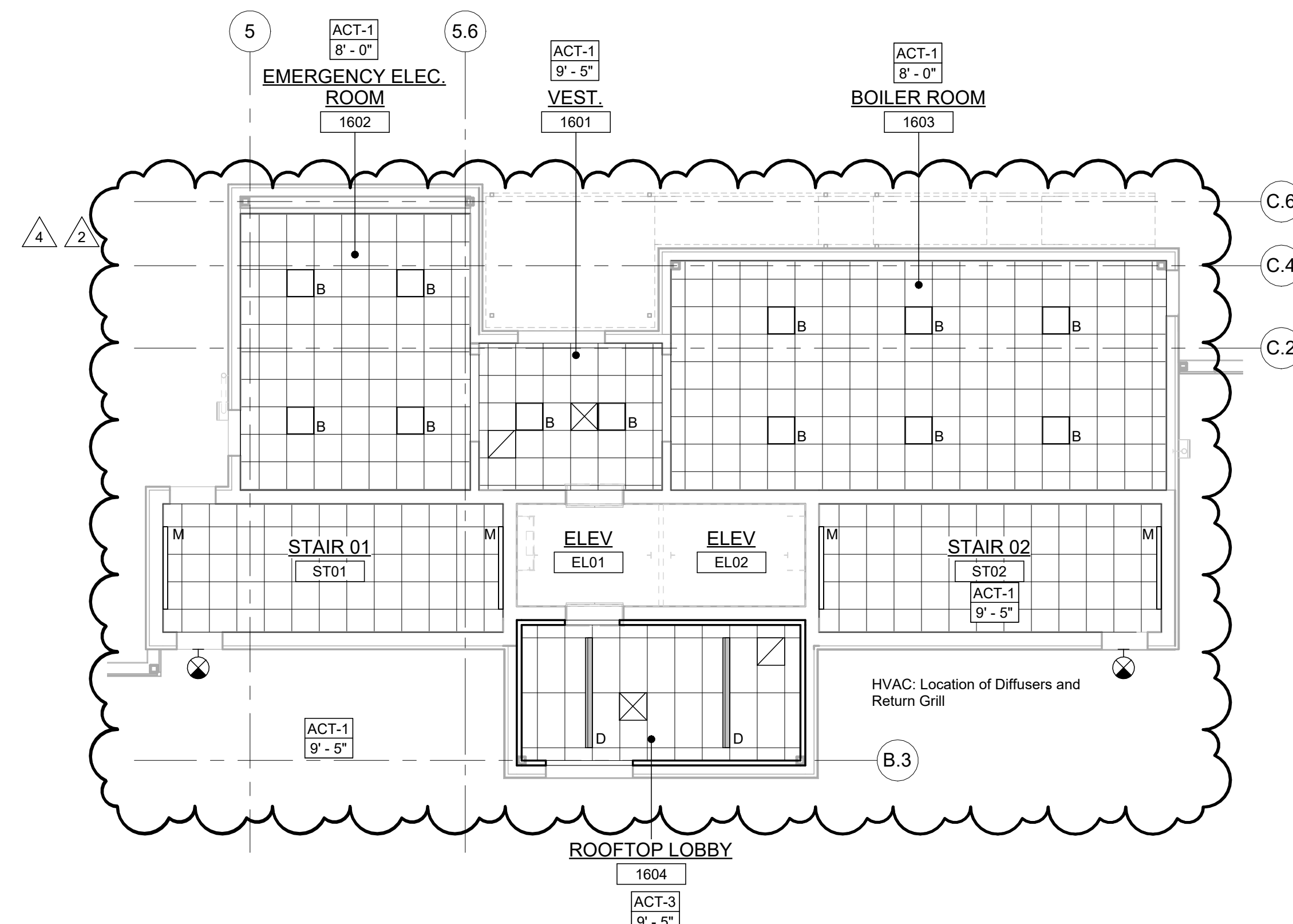


**REFLECTED CEILING PLAN NOTES:**

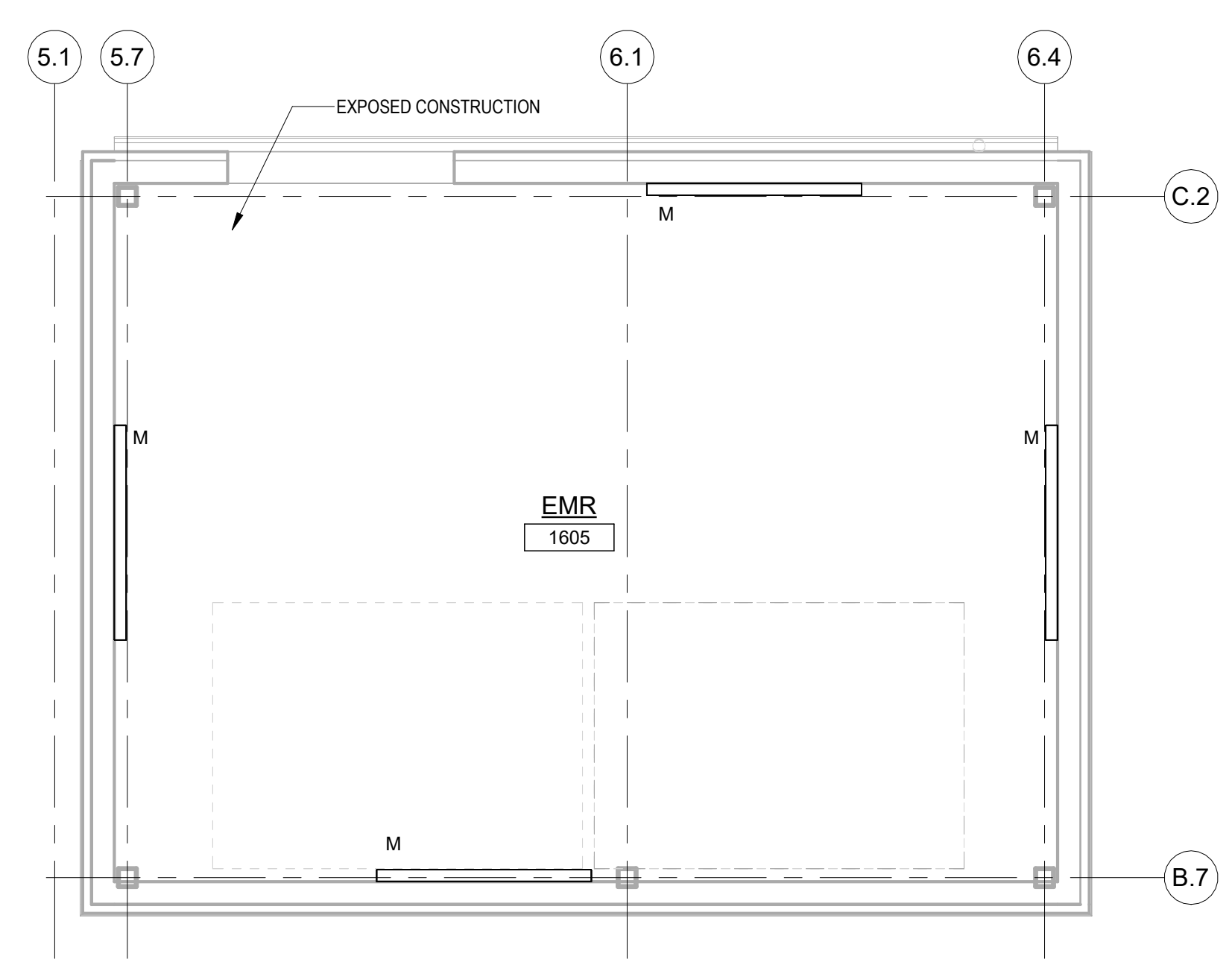
- A. BORDERS AT LAY-IN ACOUSTICAL CEILING PANELS SHALL BE CUT TO MATCH FACTORY EDGE PROFILE. NO EXPOSED FASTENERS SHALL BE PERMITTED INCLUDING POP RIVETS AND TAPPETS.
- B. HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED 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, GRILLES 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 APPURTENANCE.
- 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. BD. CEILINGS AS REQUIRED TO PROVIDE ACCESS TO ABOVE-CEILING VAN BOXES, DAMPERS, VALVES, EQUIPMENT, ETC. SEE MEP DRAWINGS FOR LOCATIONS AND SPECIFICATIONS, COORDINATE FINAL LOCATIONS WITH DESIGNER PRIOR TO INSTALLATION.
- S. 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.
- 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
[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) @ PRIVATE OFFICES
B	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES
C	2' x VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES
D	2' x 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
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)
F2	LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F2)
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	24" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
L2	54" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)
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 COVE CEILING
Q	VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
R	SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R) @ BLDG. 1 - COMMISSIONER VESTIBULE
S	SURFACE MOUNTED RING FIXTURE (TYPE S)
T	DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)
	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



**1 BLDG 1 - LEVEL 6 - PENTHOUSE REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"



**2 BLDG 1 - EMR REFLECTED CEILING PLAN**  
SCALE: 1/4" = 1'-0"

**FINISH NOTES:**

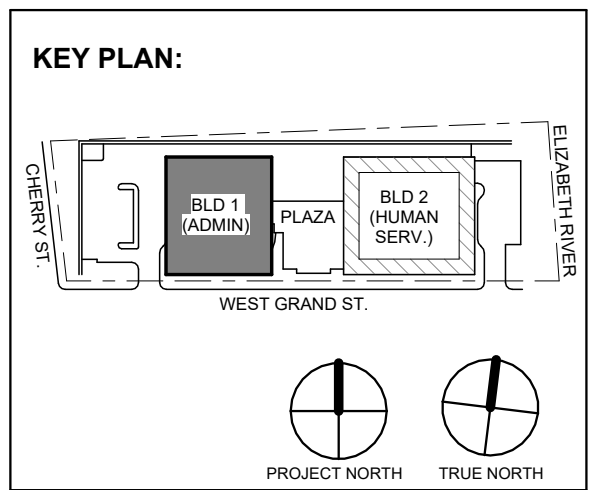
**COLUMN / BEAM COVER**  
BASIS OF DESIGN  
MANUFACTURER: CENTRIA  
PRODUCT: COLUMN COVERS SERIES 3000

**WOOD LOOK ALUMINUM SLATS VARYING 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 CORE:	9'-5" / 10'-5" A.F.F.
RESTROOMS:	8'-0" A.F.F. (ACT-3 OR ACT-4)



No.	Date	Description
4	12.22.2023	Addendum No. 4
2	12.08.2023	Addendum No. 2

**DIGroupArchitecture**  
ARCHITECTURE FOR CHANGE

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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**

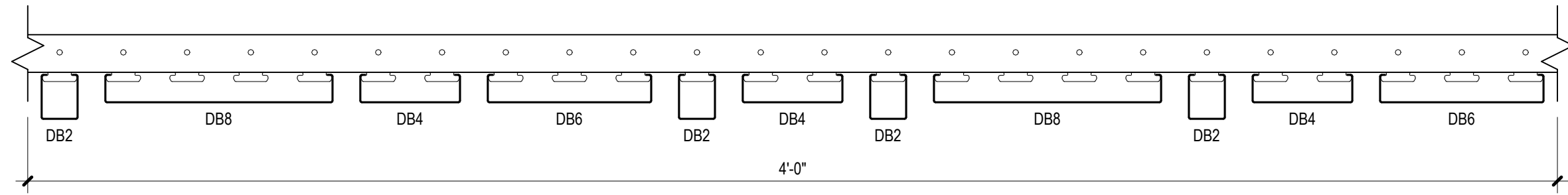
Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY, 07202

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 6 - PENTHOUSE AND EMR REFLECTED CEILING PLAN**

Sheet No:  
**A1-206**





- 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:**

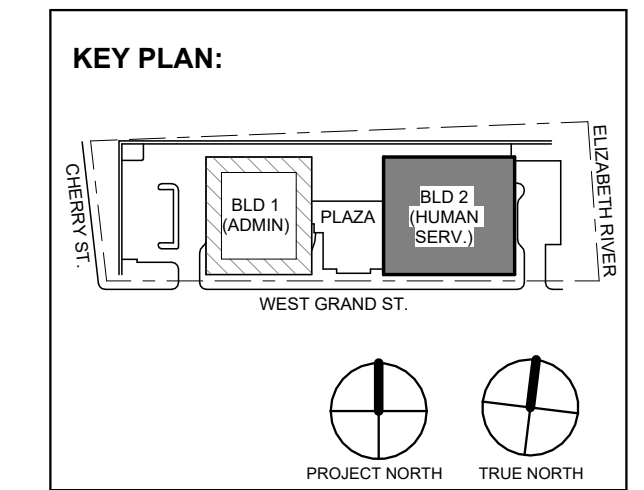
- COLUMN / BEAM COVER**  
BASIS OF DESIGN  
MANUFACTURER: CENTRIA  
PRODUCT: COLUMN COVERS SERIES 3000
- WOOD LOOK ALUMINUM SLATS VARIED WIDTH + DEPTH**  
BASIS OF DESIGN  
MANUFACTURER: CERTAINTED  
PRODUCT: MULTI BOX CONTINUOUS  
REFER TO DETAIL 2 / A2-210 FOR ADDITIONAL INFORMATION
- MANUAL SHADE SYSTEMS**  
BASIS OF DESIGN  
MANUFACTURER: MECOHSHADE  
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 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 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 SHADERS. REFER TO SPECIFICATIONS AND A-220 SERIES DRAWINGS FOR LOCATION AND DETAILS.
- ALL TRAINING ROOMS AND COMMISSIONER MEETING ROOMS WILL HAVE POWERED ROLLER SHADERS 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) @ PRIVATE OFFICES
B	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES
C	2" X VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES
[Symbol]	MOUNTING HEIGHT - 8'-0" A.F.F.
D	2" X 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
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)
F2	LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F2)
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	24" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
L2	54" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)
M	6'-0" LINEAR SURFACE WALL MOUNT LIGHT FIXTURE (TYPE M)
[Symbol]	MOUNTING HEIGHT - 8'-0" ABOVE LANDING TO 4' OF FIXTURE AT EGRESS STAIRS
[Symbol]	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 COVE CEILING
Q	VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
R	SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R) @ BLDG. 1 - COMMISSIONER VESTIBULE
S	SURFACE MOUNTED RING FIXTURE (TYPE S)
T	DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)
[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
4	12/22/2023	Addendum No. 4
1	12/01/2023	Addendum No. 1
1	11/08/2023	For Public Bid

**Revisions / Issues**

**DiGroupArchitecture**  
ARCHITECTURE FOR CHANGE

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Jeffrey D. Venezia, AIA  
NJ RA AI 00827100

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

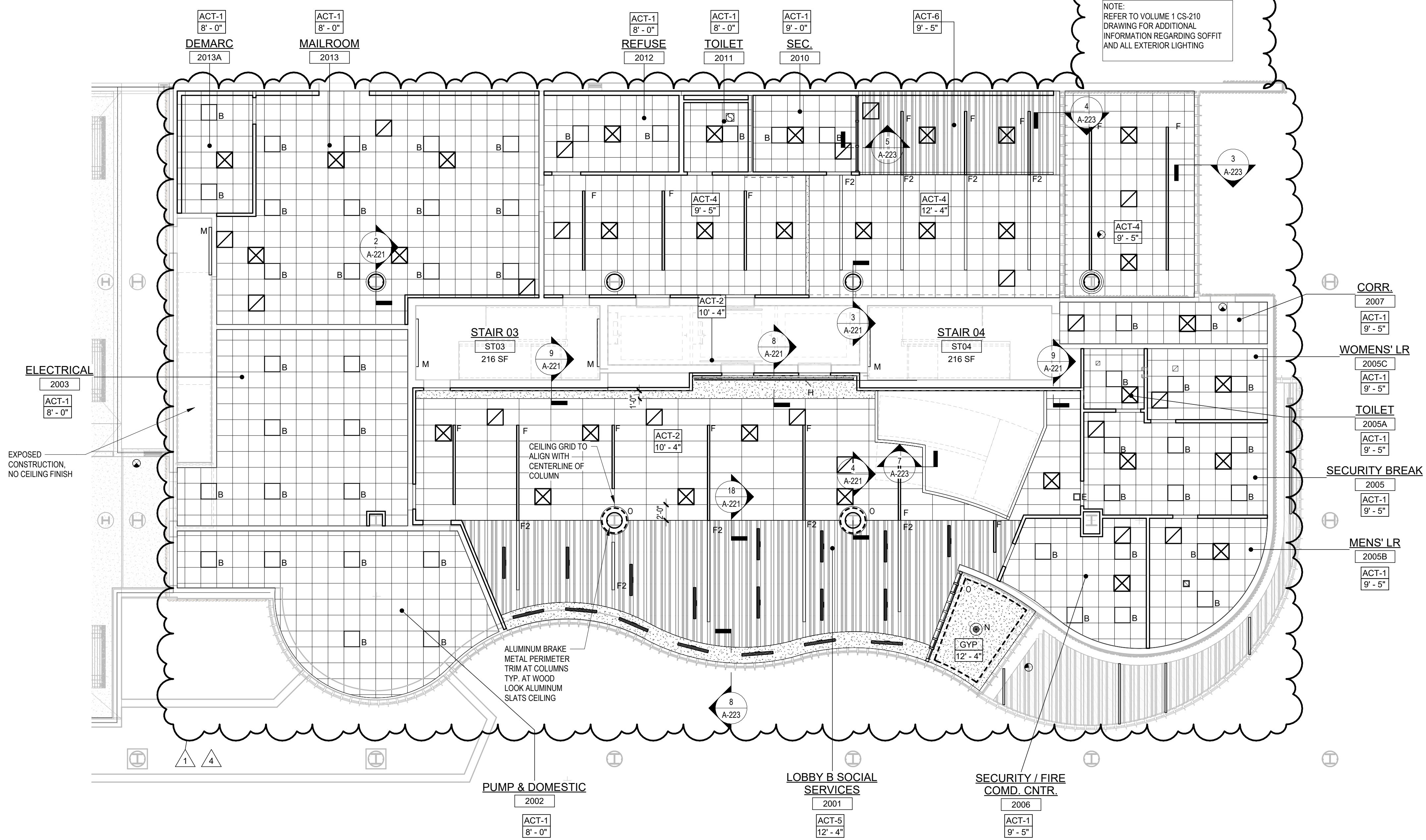
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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 0 - GROUND FLOOR REFLECTED CEILING PLAN**

Sheet No:  
**A2-210**



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

GYPSUM BOARD CEILING

2' BY 2' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.

4' BY 4' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.

HVAC - RETURN

HVAC - SUPPLY

HVAC - LINEAR SUPPLY

HVAC - BATHROOM EXHAUST FAN

2'-0" X 2'-0" RECESSED TROFFER CEILING LIGHT FIXTURE (TYPE A) @ PRIVATE OFFICES

2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES

2' x VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES

2' x 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)

2' x 4'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D2)

4" SQUARE RECESSED DOWNLIGHT FIXTURE (TYPE E)

RECESSED DIRECT LINEAR FIXTURE, VARYING LENGTHS (TYPE F)

LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F2)

4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)

LINEAR WALL GRAZER LIGHT (TYPE H)

DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE I) AT CAFE

DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE J)

LED ADJUSTABLE SPOT LIGHT FIXTURE (TYPE K)

2" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)

5" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)

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.

DECORATIVE ROUND SUSPENDED PENDANT LIGHT WITHIN VESTIBULE (TYPE N)

COVE LIGHTING AT COLUMN (TYPE O)

LED TAPE LIGHT AT COVE CEILING

VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)

SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R) @ BLDG. 1 - COMMISSIONER VESTIBULE

SURFACE MOUNTED RING FIXTURE (TYPE S)

DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)

6" CEILING DOWNLIGHT RECESSED CAN

EXIT SIGN

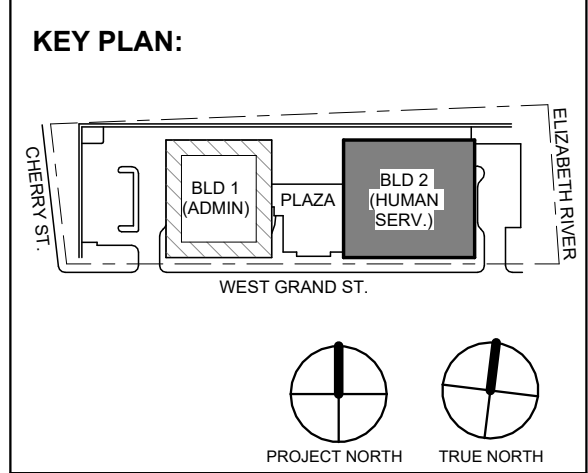
FA CEILING MOUNTED SPEAKER & STROBE

FA CEILING MOUNTED STROBE

SMOKE DETECTOR

12" x 12" ACCESS DOOR

MOTORIZED SHADES



No.	Date	Description
4	12/22/2023	Addendum No. 4
1	12/01/2023	Addendum No. 1
1	11/08/2023	For Public Bid

Revisions / Issues

**DiGroupArchitecture**  
 ARCHITECTURE FOR CHANGE

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 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.

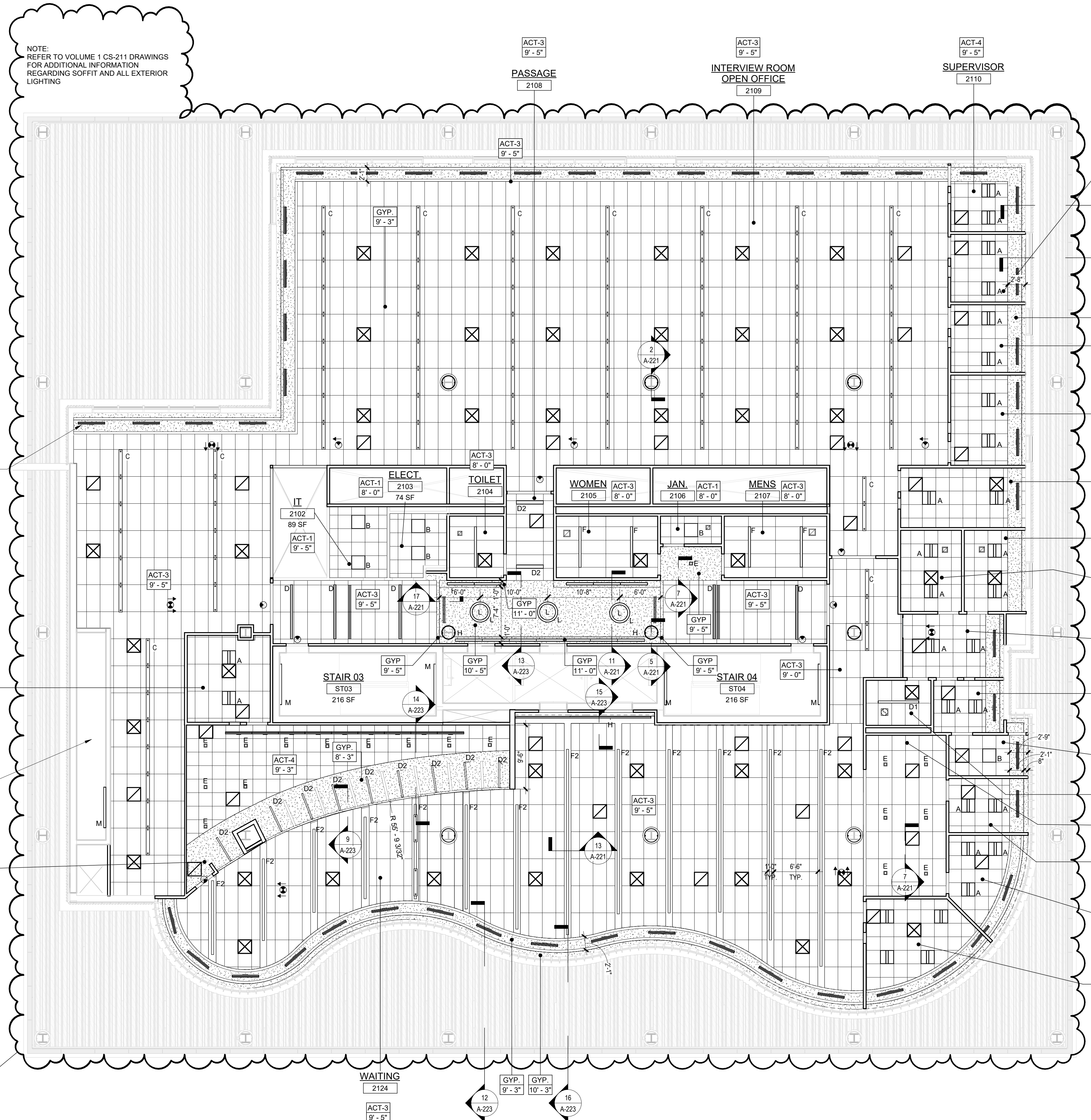
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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 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"



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 VARYING WIDTH + DEPTH**  
 BASIS OF DESIGN  
 MANUFACTURER: CERTANTEED  
 PRODUCT: MULTI BOX CONTINUOUS  
 REFER TO DETAIL 2 / A-210 FOR ADDITIONAL INFORMATION

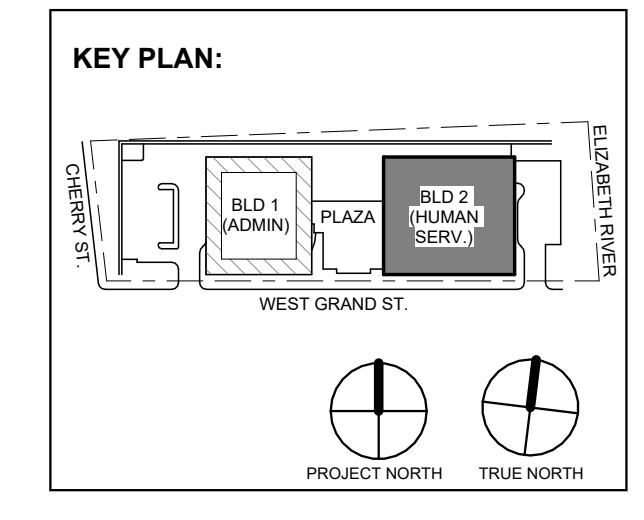
**MANUAL SHADE SYSTEMS**  
 BASIS OF DESIGN  
 MANUFACTURER: MECOSHADE  
 PRODUCT: MECOSH SYSTEM

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 NUTS AND TAPETS.
- 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.
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- 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.
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- 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) @ PRIVATE OFFICES
B	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES
C	2" X VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES
D	2" X 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
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)
F2	LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F2)
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	2" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
L2	5" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)
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 COVE CEILING
Q	VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
R	SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R) @ BLDG. 1 - COMMISSIONER VESTIBULE
S	SURFACE MOUNTED RING FIXTURE (TYPE S)
T	DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)
U	6" CEILING DOWNLIGHT RECESSED CAN
V	EXIT SIGN
W	FA CEILING MOUNTED SPEAKER & STROBE
X	FA CEILING MOUNTED STROBE
Y	SMOKE DETECTOR
Z	12" X 12" ACCESS DOOR
MS	MOTORIZED SHADES



No.	Date	Description
4	12.22.2023	Addendum No. 4
2	12.08.2023	Addendum No. 2
2	11.08.2023	For Public Bid

Revisions / Issues

**DiGroupArchitecture**  
 ARCHITECTURE FOR CHANGE

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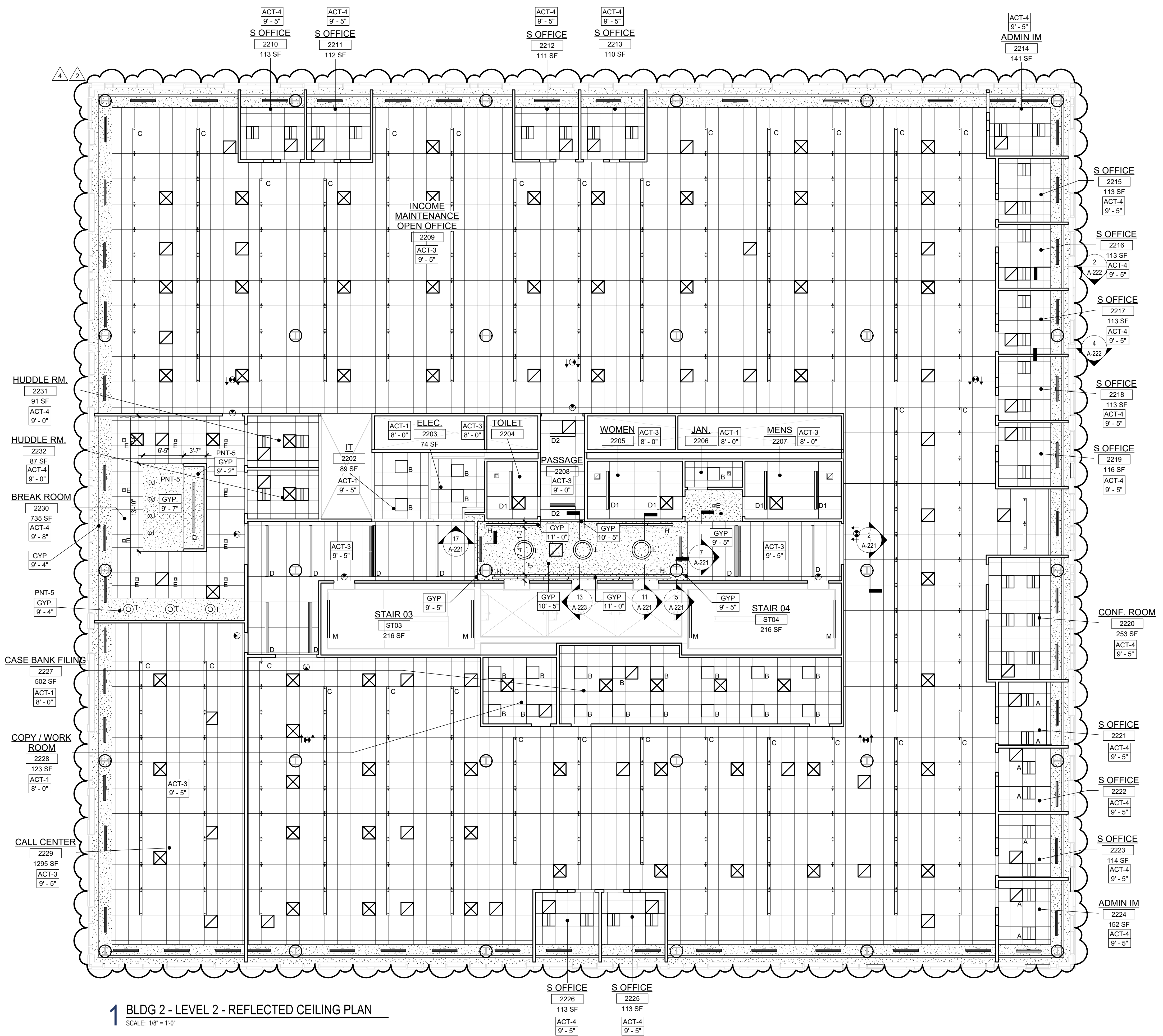
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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 2 - REFLECTED CEILING PLAN**

Sheet No:  
**A2-212**



**1 BLDG 2 - LEVEL 2 - REFLECTED CEILING PLAN**  
 SCALE: 1/8" = 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: CERTANTEED  
 PRODUCT: MULTI BOX CONTINUOUS  
 REFER TO DETAIL 2 / A2-210 FOR ADDITIONAL INFORMATION

**MANUAL SHADE SYSTEMS**  
**BASIS OF DESIGN**  
 MANUFACTURER: MECOSHADE  
 PRODUCT: MECOSH SYSTEM

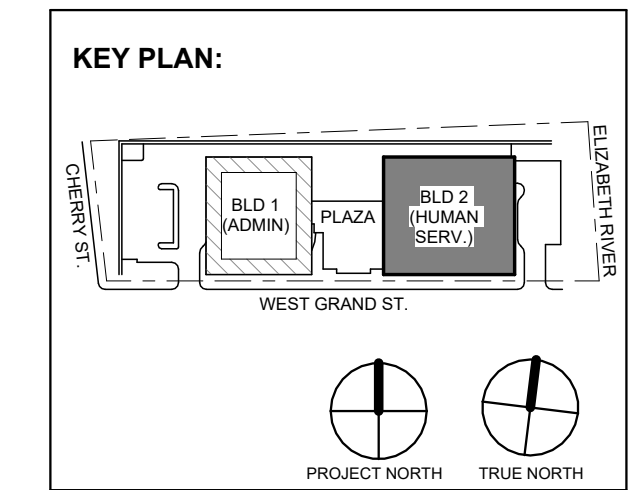
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- HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GYP OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN, U.O.N.
- ALL LIGHT FIXTURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. ARCHITECT TO REVIEW CEILING LAYOUT INCLUDING BULKHEADS AND GRID PRIOR TO INSTALLATION.
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- 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 EXCITED TO PRESENT A NEAT AND MINIMAL APPEARANCE.
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- 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.
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- 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-CEILINGS VAV BOXES, DAMPERS, VALVES, EQUIPMENT, ETC. SEE MEP DRAWINGS FOR LOCATIONS AND SPECIFICATIONS, COORDINATE FINAL LOCATIONS WITH DESIGNER PRIOR TO INSTALLATION.
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- 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

- GYPSUM BOARD CEILING
- 2' BY 2' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
- 4' BY 4' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
- HVAC - RETURN
- HVAC - SUPPLY
- HVAC - LINEAR SUPPLY
- HVAC - BATHROOM EXHAUST FAN
- 2'-0" X 2'-0" RECESSED TROFFEE CEILING LIGHT FIXTURE (TYPE A) @ PRIVATE OFFICES
- 2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES
- 2' + VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES
- MOUNTING HEIGHT - 8'-0" A.F.F.
- 2' + 8" RECESSED CEILING LIGHT FIXTURE (TYPE D)
- 2' x 4'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D2)
- 4" SQUARE RECESSED DOWNLIGHT FIXTURE (TYPE E)
- RECESSED DIRECT LINEAR FIXTURE, VARYING LENGTHS (TYPE F)
- LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F2)
- 4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
- LINEAR WALL GRAZER LIGHT (TYPE H)
- DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE I) AT CAFE
- DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE J)
- LED ADJUSTABLE SPOT LIGHT FIXTURE (TYPE K)
- 24" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
- 54" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)
- 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.
- DECORATIVE ROUND SUSPENDED PENDANT LIGHT WITHIN VESTIBULE (TYPE N)
- COVE LIGHTING AT COLUMN (TYPE O)
- LED TAPE LIGHT AT COVE CEILING
- VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
- SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R)
- @ BLDG. 1 - COMMISSIONER VESTIBULE
- SURFACE MOUNTED RING FIXTURE (TYPE S)
- DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)
- 6" CEILING DOWNLIGHT RECESSED CAN
- EXIT SIGN
- FA CEILING MOUNTED SPEAKER & STROBE
- FA CEILING MOUNTED STROBE
- SMOKE DETECTOR
- 12' x 12" ACCESS DOOR
- MOTORIZED SHADES



No.	Date	Description
4	12.22.2023	Addendum No. 4
2	12.08.2023	Addendum No. 2
2	11.08.2023	For Public Bid

Revisions / Issues

**DiGroupArchitecture**  
 ARCHITECTURE FOR CHANGE

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 2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

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 NJ RA #A10927100

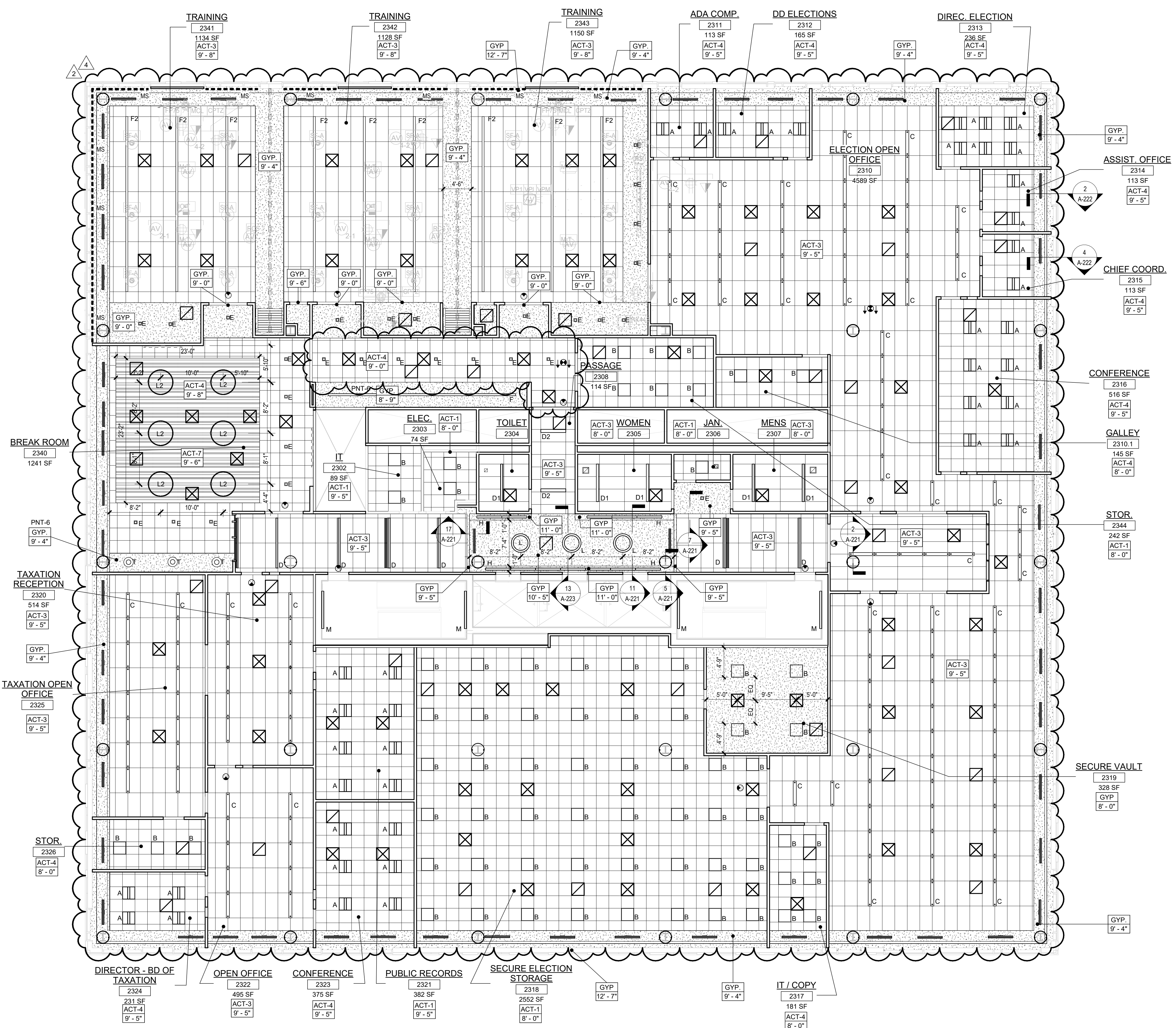
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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 3 - REFLECTED CEILING PLAN**

Sheet No:  
**A2-213**



**1 BLDG 2 - LEVEL 3 - REFLECTED CEILING PLAN**  
 SCALE: 1/8" = 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:	
<b>COLUMN BEAM COVER BASIS OF DESIGN</b>	MANUFACTURER: CENTRIA PRODUCT: COLUMN COVERS SERIES 3000
<b>WOOD LOOK ALUMINUM SLATS VARIED WIDTH - DEPTH BASIS OF DESIGN</b>	MANUFACTURER: CERTANTEED PRODUCT: MULTI BOX CONTINUOUS REFER TO DETAIL 2 / A2-210 FOR ADDITIONAL INFORMATION
<b>MANUAL SHADE SYSTEMS BASIS OF DESIGN</b>	MANUFACTURER: MECOHSHADE PRODUCT: MECOHS SYSTEM

### RCP LEGEND

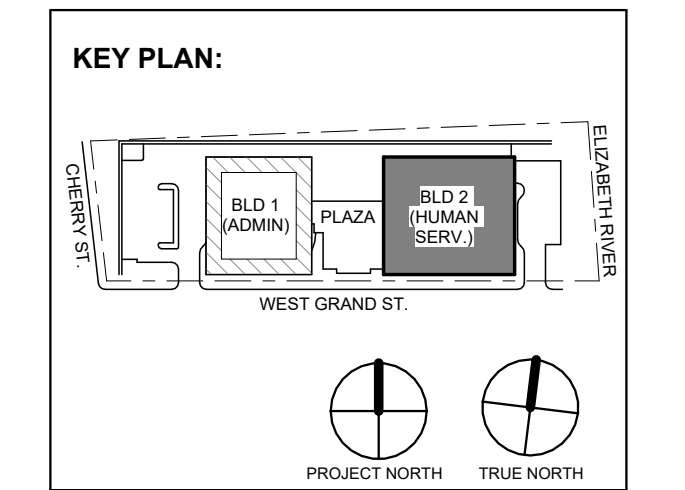
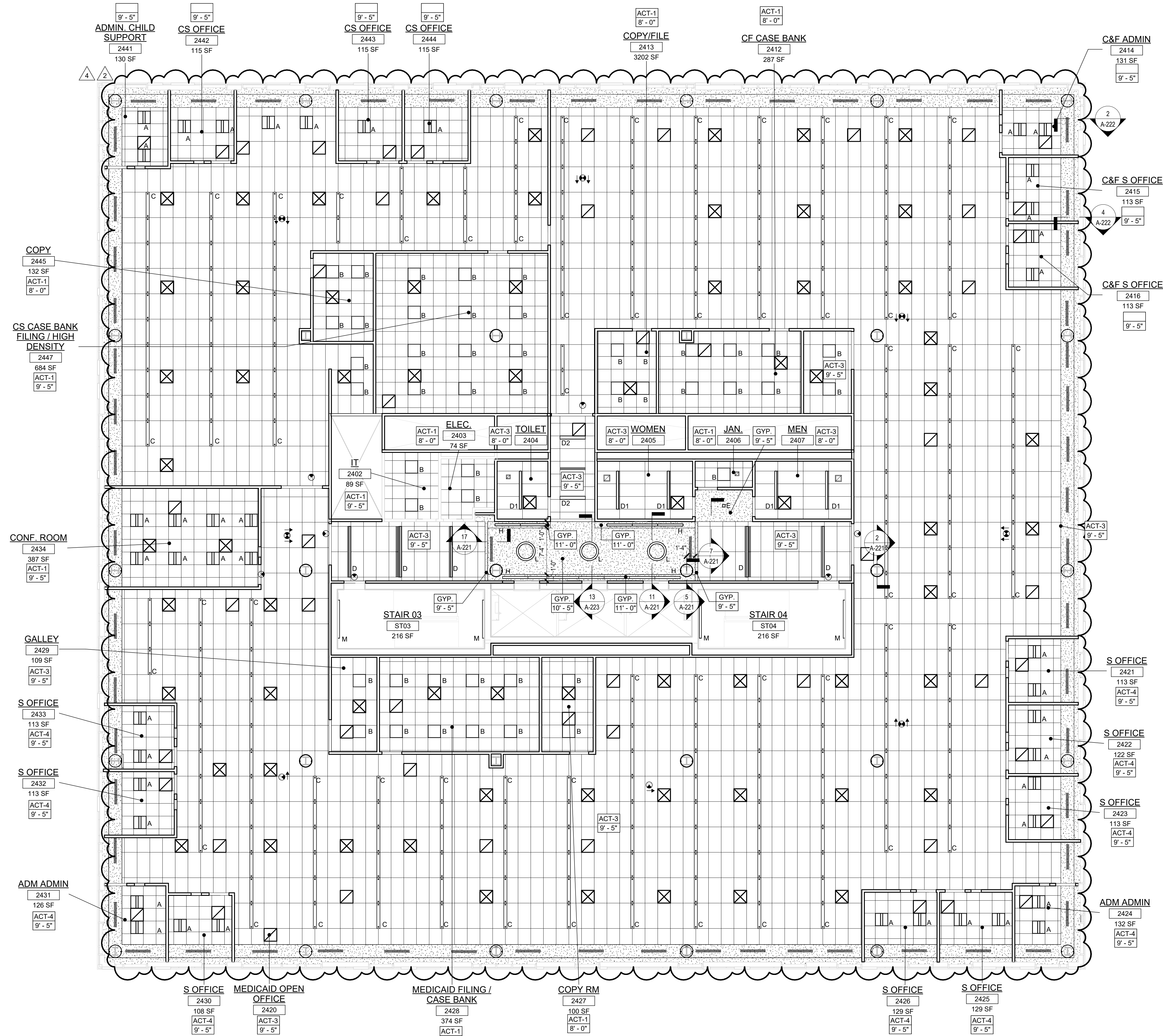
Room name	ROOM NAME
101	ROOM NUMBER
ACT-1	CEILING TYPE
10'-0"	CEILING HEIGHT

	GYPSUM BOARD CEILING
	2 BY 2 SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
	4 BY 4 SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
	HVAC - RETURN
	HVAC - SUPPLY
	HVAC - LINEAR SUPPLY
	HVAC - BATHROOM EXHAUST FAN
	2'0" X 2'0" RECESSED TROFFER CEILING LIGHT FIXTURE (TYPE A) @ PRIVATE OFFICES
	2'0" X 2'0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES
	2' X 4' VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES
	2' X 4' RECESSED CEILING LIGHT FIXTURE (TYPE D)
	4" SQUARE RECESSED DOWNLIGHT FIXTURE (TYPE E)
	RECESSED DIRECT LINEAR FIXTURE, VARYING LENGTHS (TYPE F)
	LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F2)
	4'0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
	LINEAR WALL GRAZER LIGHT (TYPE H)
	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE I) @ CAFE
	DECORATIVE ROUND SUSPENDED PENDANT LIGHT (TYPE J)
	LED ADJUSTABLE SPOT LIGHT FIXTURE (TYPE K)
	24" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
	54" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)
	6'0" LINEAR SURFACE WALL MOUNT LIGHT FIXTURE (TYPE M)
	DECORATIVE ROUND SUSPENDED PENDANT LIGHT WITHIN VESTIBULE (TYPE N)
	COVE LIGHTING AT COLUMN (TYPE O)
	LED TAPE LIGHT AT COVE CEILING
	VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
	SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R) @ BLDG 1 - COMMISSIONER VESTIBULE
	SURFACE MOUNTED RING FIXTURE (TYPE S)
	DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)
	EXIT SIGN
	FA CEILING MOUNTED SPEAKER & STROBE
	FA CEILING MOUNTED STROBE
	SMOKE DETECTOR
	MOTORIZED SHADES

### 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 CEILING 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. ANY DISCREPANCIES WITH LOCATION OF LIGHT FIXTURES, SWITCHES, THERMOSTATS, OR DIFFUSERS WITH 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, GRILLS 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 VAN 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 (PMT-2) U.O.N.



No.	Date	Description
1	12.22.2023	Addendum No. 4
2	12.08.2023	Addendum No. 2
3	11.08.2023	For Public Bid

Revisions / Issues

**DiGroupArchitecture**  
ARCHITECTURE FOR CHANGE

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Jeffrey D. Venezia, AIA  
NJ RA AI 0927100

**1 BLDG 2 - LEVEL 4 - REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"

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 4 - REFLECTED CEILING PLAN

Sheet No: A2-214







**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

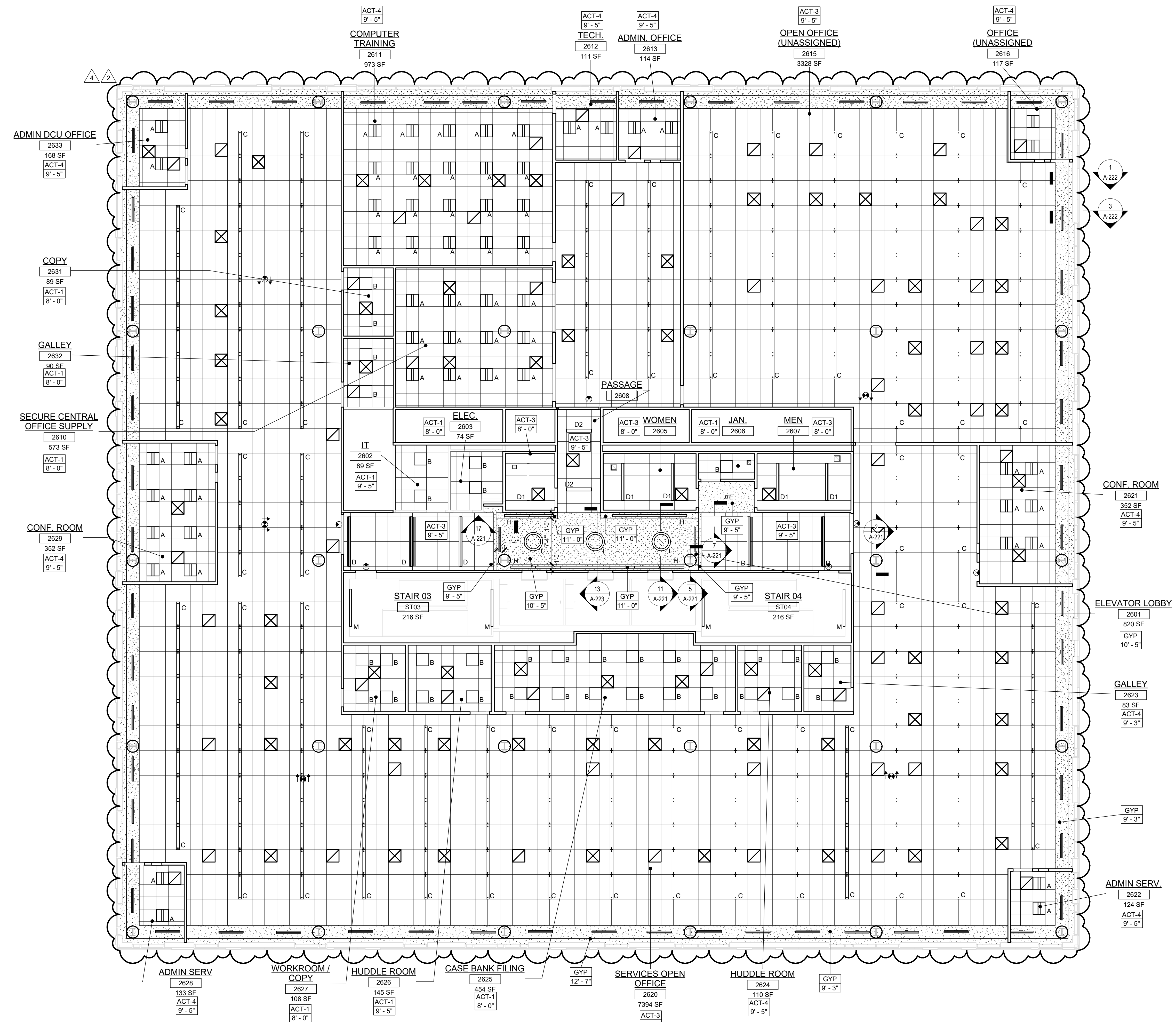
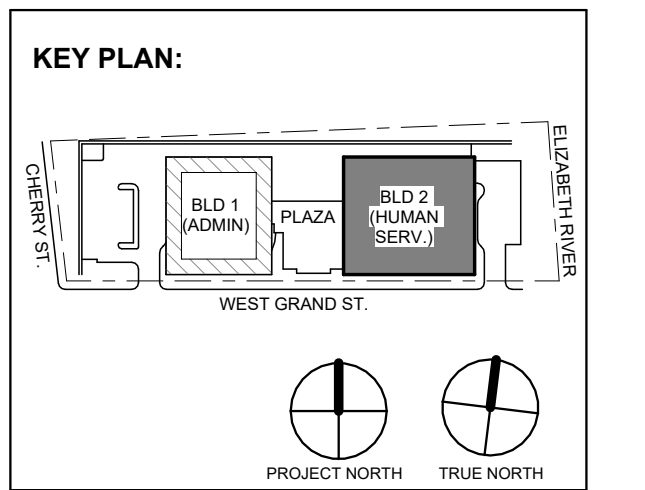
**MANUAL SHADE SYSTEMS**  
**BASIS OF DESIGN**  
 MANUFACTURER: MECOSHADE  
 PRODUCT: MECO'S SYSTEM

**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 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, GRILLES, ETC.
- DIMENSIONED LIGHT FIXTURES ARE FROM FINISHED FACE OF PARTITIONS TO CENTERLINE OF FIXTURE TO LOCATIONS ONLY. SEE ELECTRICAL DRAWINGS 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 CEILINGS PLANES.
- PROVIDE ADDITIONAL TRUSS 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 CEILINGS 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 TROFIE CEILING LIGHT FIXTURE (TYPE A) @ PRIVATE OFFICES
B	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES
C	2" X VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES
D	2" X 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
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)
F2	LINEAR DIRECT/INDIRECT PENDANT FIXTURE, VARYING LENGTHS (TYPE F2)
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	2" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
L2	5" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)
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 COVE CEILING
Q	VERTICAL LINEAR FIXTURE INTEGRATED INTO WOOD SLAT WALL SYSTEM (TYPE Q)
R	SURFACE MOUNTED ROUND DECORATIVE FIXTURE (TYPE R) @ BLDG. 1 - COMMISSIONER VESTIBULE
S	SURFACE MOUNTED RING FIXTURE (TYPE S)
T	DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)
U	6" CEILING DOWNLIGHT RECESSED CAN
V	EXIT SIGN
W	FA CEILING MOUNTED SPEAKER & STROBE
X	FA CEILING MOUNTED STROBE
Y	SMOKE DETECTOR
Z	12" X 12" ACCESS DOOR
MS	MOTORIZED SHADES



**1 BLDG 2 - LEVEL 6 - REFLECTED CEILING PLAN**  
 SCALE: 1/8" = 1'-0"

**Revisions / Issues**

No.	Date	Description
4	12.22.2023	Addendum No. 4
2	11.08.2023	Addendum No. 2
2	11.08.2023	For Public Bid

**DiGroupArchitecture**  
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 Jeffrey D. Venezia, AIA  
 NJ RA AI 00827100

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 6 - REFLECTED CEILING PLAN**

Sheet No:  
**A2-216**



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.

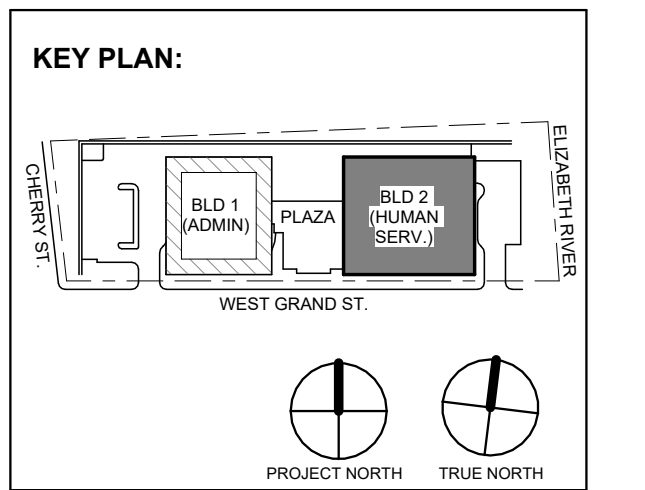
FINISH NOTES:	
<b>COLUMN / BEAM COVER</b>	
BASIS OF DESIGN	
MANUFACTURER: CENTRIA	
PRODUCT: COLUMN COVERS SERIES 3000	
<b>WOOD LOOK ALUMINUM SLATS VARIED WIDTH - DEPTH</b>	
BASIS OF DESIGN	
MANUFACTURER: CERTANTEED	
PRODUCT: MULTI BOX CONTINUOUS	
REFER TO DETAIL 2 / A2-210 FOR ADDITIONAL INFORMATION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

**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 TAPPETS.
- 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, GRILLES 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 EXCUT 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 TRUSS 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, 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. BD. CEILINGS AS REQUIRED TO PROVIDE ACCESS TO ABOVE-CEILINGS VAV BOXES, DAMPERS, VALVES, EQUIPMENT, ETC. SEE MEP DRAWINGS FOR LOCATIONS AND SPECIFICATIONS. COORDINATE FINAL LOCATIONS WITH DESIGNER PRIOR TO INSTALLATION.
- S. 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.
- 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 ROOMS 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
[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 TROFIE CEILING LIGHT FIXTURE (TYPE A) @ PRIVATE OFFICES
B	2'-0" X 2'-0" RECESSED CEILING LIGHT FIXTURE (TYPE B) @ UTILITIES
C	2" x VARYING LENGTH CEILING HUNG PENDANT LIGHT FIXTURE (TYPE C) @ OPEN OFFICES
D	2" x 8'-0" RECESSED CEILING LIGHT FIXTURE (TYPE D)
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)
F2	LINEAR DIRECT/INDIRECT PENDANT LIGHT FIXTURE (TYPE F2)
G	4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
H	LINEAR WALL GRAZIER 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	24" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L)
L2	54" DIAMETER RING SUSPENDED PENDANT LIGHT (TYPE L2)
M	6'-0" LINEAR SURFACE WALL MOUNT LIGHT FIXTURE (TYPE M)
N	DECORATIVE ROUND SUSPENDED PENDANT LIGHT WITHIN VESTIBULE (TYPE N)
O	COVE LIGHTING AT COLUMN (TYPE O)
P	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) @ BLDG. 1 - COMMISSIONER VESTIBULE
S	SURFACE MOUNTED RING FIXTURE (TYPE S)
T	DECORATIVE BELL PENDANT ABOVE THE SOFFIT (TYPE T)
U	6" CEILING DOWNLIGHT RECESSED CAN
V	EXIT SIGN
W	FA CEILING MOUNTED SPEAKER & STROBE
X	FA CEILING MOUNTED STROBE
Y	SMOKE DETECTOR
Z	12" x 12" ACCESS DOOR
MS	MOTORIZED SHADES

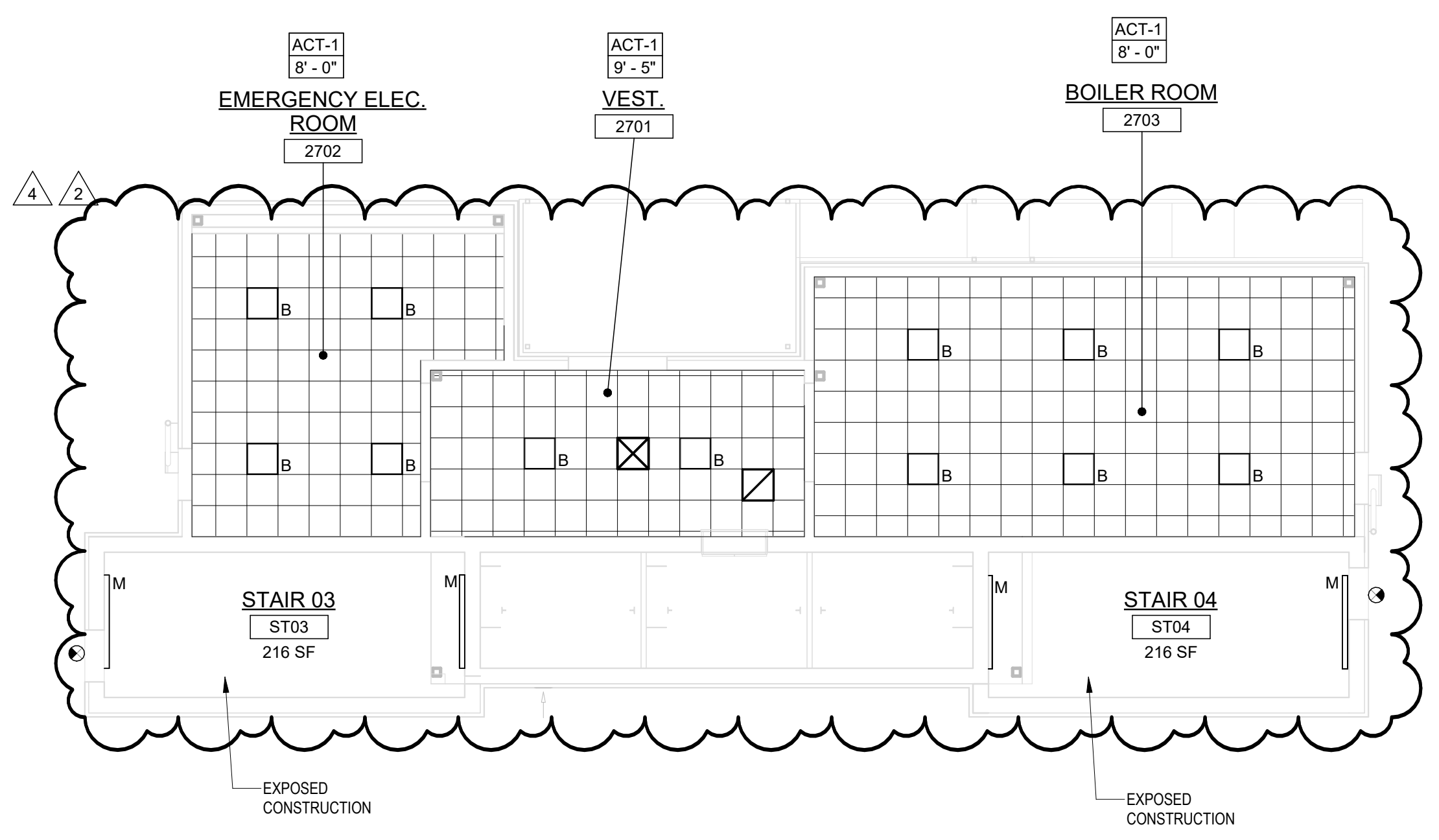


No.	Date	Description
4	12/22/2023	Addendum No. 4
2	12/08/2023	Addendum No. 2
1	11/08/2023	For Public Bid

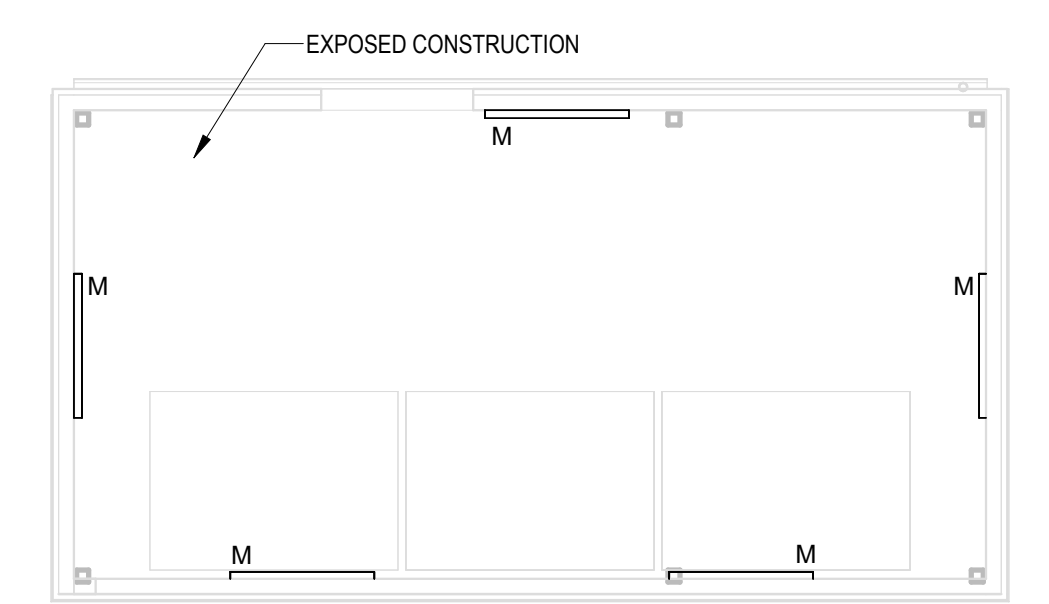
**DIGroupArchitecture**  
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**1 BLDG 2 - LEVEL 7 - PENTHOUSE REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"



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

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 7 - PENTHOUSE AND EMR REFLECTED CEILING PLAN**

Sheet No:  
**A2-217**



# FINISH SPECIFICATIONS (BASIS OF DESIGN)

NOTE: FINISH ABBREVIATIONS WITH SUFFIX 'A' DENOTE FINISH LOCATED AT BLDG. 1.  
FINISHE ABBREVIATIONS WITH SUFFIX 'Y' DENOTE FINISH LOCATED AT BLDG. 2 U.O.N.

## FLOORING:

TZ-1A POURED TERRAZZO FLOORING  
MANUFACTURER: KEY RESIN COMPANY  
SIZE: POURED FLOOR  
COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE OF COLOR AND AGGREGATE SIZE OFFERING  
BASE: 6" BUILT UP TERRAZZO COVE OF MATCHING COLOR

TZ-2A POURED TERRAZZO FLOORING- ACCENT  
MANUFACTURER: KEY RESIN COMPANY  
SIZE: POURED FLOOR  
COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE OF COLOR AND AGGREGATE SIZE OFFERING

PT-1A PORCELAIN TILE: RESTROOMS AND ELEV. LOBBIES  
MANUFACTURER: CROSSVILLE  
SERIES: ALTERED STATE  
SIZE: 12"X24"  
COLOR: STEEL GAZE AV342  
FINISH: UNPOLISHED  
INSTALLATION: STACKED  
GROUT: MAPEI  
COLOR: CHARCOAL 47

PT-2A PORCELAIN TILE: ELEV. LOBBY ACCENT  
MANUFACTURER: CROSSVILLE  
SERIES: ALTERED STATE  
SIZE: 12"X24"  
COLOR: ACID WASH AV343  
FINISH: UNPOLISHED  
INSTALLATION: STACKED  
GROUT: MAPEI  
COLOR: CHARCOAL 47

PT-3A PORCELAIN TILE: CAFE FLOOR  
MANUFACTURER: CROSSVILLE  
SERIES: NEST  
SIZE: 6"X36"  
COLOR: JOYOUS OLIVE AV362  
FINISH: UNPOLISHED  
INSTALLATION: HERRINGBONE  
GROUT: MAPEI  
COLOR: 09 GRAY  
LOCATION: BLDG 1 CAFE, COMMISSIONER DINING

PT-1H PORCELAIN TILE: RESTROOMS AND ELEV. LOBBIES  
MANUFACTURER: CROSSVILLE  
SERIES: MAIN STREET  
SIZE: 12"X12"  
COLOR: GALLERY GRAY  
FINISH: UNPOLISHED  
INSTALLATION: BRICK BOND  
GROUT: MAPEI  
COLOR: CHARCOAL 47

PT-2H PORCELAIN TILE: ELEV. LOBBY ACCENT  
MANUFACTURER: CROSSVILLE  
SERIES: MAIN STREET  
SIZE: 12"X12"  
COLOR: BOULIQUE BLACK  
FINISH: UNPOLISHED  
INSTALLATION: BRICK BOND  
GROUT: MAPEI  
COLOR: CHARCOAL 47

PT-3H PORCELAIN TILE:  
MANUFACTURER: GARDEN STATE TILE  
SERIES: VENEZIANO  
SIZE: 24"X24"  
COLOR: LIGHT GREY TERRAZZO  
FINISH: MATTE  
GROUT: MAPEI  
COLOR: 09 GRAY

PT-4H PORCELAIN TILE:  
MANUFACTURER: GARDEN STATE TILE  
SERIES: VENEZIANO  
SIZE: 24"X24"  
COLOR: DARK GREY TERRAZZO  
FINISH: MATTE  
GROUT: MAPEI  
COLOR: 09 GRAY

CARPET TILE: OPEN OFFICE AREAS  
MANUFACTURER: BENTLEY MILLS CARPET  
PATTERN: TAGLINE STRIP #4170  
COLOR: RAIN OR SHINE 40810  
SIZE: 24" X 24"  
INSTALLATION: MONOLITHIC  
BACKING: NEXSTEP CUSHION BACK

CARPET TILE: OFFICES & CONFERENCE ROOMS  
MANUFACTURER: BENTLEY MILLS CARPET  
PATTERN: TAGLINE #4170  
COLOR: BEST IN THE WEST 408104  
SIZE: 24" X 24"  
INSTALLATION: MONOLITHIC  
BACKING: NEXSTEP CUSHION BACK

CARPET TILE:  
MANUFACTURER: BENTLEY MILLS CARPET  
PATTERN: NIGHT JUNCTION  
COLOR: DISCREETION 40810  
SIZE: 24" X 24"  
INSTALLATION: BRICK  
BACKING: NEXSTEP CUSHION BACK  
LOCATION: COMMISSIONER MEETING ROOM

CARPET TILE:  
MANUFACTURER: BENTLEY MILLS  
PATTERN: DUST JACKET  
COLOR: WAIT LIST 800111  
SIZE: BROADLOOM  
BACKING: NEXSTEP CUSHION BACK  
LOCATION: COMMISSIONER LOUNGE, 5TH FL. LOUNGE

CARPET TILE: OPEN OFFICE AREAS  
MANUFACTURER: J&J FLOORING  
PATTERN: ADAPT 7602  
COLOR: COOL OASIS 3266  
SIZE: 18" X 36"  
INSTALLATION: ASHLAR

CARPET TILE: OFFICES & CONFERENCE ROOMS  
MANUFACTURER: J&J FLOORING  
PATTERN: ADAPT 7602  
COLOR: COOL OASIS 3266  
SIZE: 18" X 36"  
INSTALLATION: ASHLAR

## FLOORING (CONTINUED):

LVT-1A LUXURY VINYL TILE  
MANUFACTURER: SHAW CONTRACT  
COLLECTION: TERRAZZO  
PATTERN: TERRAZZO 4108V  
SIZE: 12"X24"  
WEAR LAYER: 20 MIL  
COLOR: MIST 08510

LVT-1H LUXURY VINYL TILE  
MANUFACTURER: SHAW CONTRACT  
COLLECTION: TERRAZZO  
PATTERN: TERRAZZO 4108V  
SIZE: 12"X24"  
WEAR LAYER: 20 MIL  
COLOR: MIST 08510

LVT-2H LUXURY VINYL TILE  
MANUFACTURER: SHAW CONTRACT  
COLLECTION: TERRAIN II 20 MIL  
SIZE: 12"X24"  
COLOR: ECHO 00775

VCT-1 VINYL COMPOSITION TILE  
MANUFACTURER: ARMSTRONG FLOORING  
TYPE: STANDARD EXCELON  
COLOR: SOFT WARM GRAY 51861

WM-1 RECESSED METAL WALK-OFF GRATE  
MANUFACTURER: ARMSTRONG  
STYLE: METROSTEEL GRATE  
SIZE: PER PLANS  
COLOR: STAINLESS STEEL

SV-1 RESILIENT SHEET FLOORING- HOMOGENEOUS  
MANUFACTURER: ARMSTRONG  
PRODUCT: MEDTONE  
COLOR: ROCK DUST MID  
LOCATION: JANITOR CLOSETS

SV-2 RESILIENT SHEET FLOORING: HSS WAITING  
MANUFACTURER: TARKETT/JOHNSONITE  
PRODUCT: ACCENT FLOURISH  
PATTERN: THRIVE  
COLOR: REFLECTION 25033206  
NOTE: 3MM WEAR LAYER

SV-3 RESILIENT SHEET FLOORING: HSS WAITING ACCENT  
MANUFACTURER: TARKETT/JOHNSONITE  
PRODUCT: ACCENT FLOURISH  
PATTERN: THRIVE  
COLOR: STABILITY 25033206  
NOTE: 3MM WEAR LAYER

EF-1 POURED EPOXY FLOORING  
MANUFACTURER: STONHARD  
PRODUCT: STONCLAD GR  
COLOR: MUSHROOM  
GRIT LEVEL: LIGHT TEXTURE

SC-1 SEALED CONCRETE FLOORING  
NOTE: ROOM FINISHED

ST-1 RUBBER STAIR TREAD AND RISER  
MANUF: TARKETT  
MODEL: RUBBER TREAD WITH INTEGRAL RISER WITH GRIT TAPE (VICI/NTR)  
TEXTURE: FAST LANE  
COLOR: TBD  
NOTE: LANDINGS TO BE COORDINATING RUBBER TILE

**BASE:**

TZ-1A TERRAZZO COVE BASE  
MANUFACTURER: WAUSAU  
FINISH: POLISHED  
SIZE: 4" X 12"  
COLOR: WHITE  
INSTALLATION: STACK  
GROUT: MAPEI  
COLOR: GRAY 09  
NOTE: INSTALL FULL HT. AT ALL WALLS IN TOILET ROOMS U.O.N.

VB-1A VINYL OR RUBBER WALL BASE  
MANUFACTURER: JOHNSONITE  
SIZE: 4"X CONTINUOUS ROLL GOODS  
COLOR: TBD  
NOTE: COVERED AT RESILIENT, STRAIGHT AT CARPET

VB-1H VINYL OR RUBBER WALL BASE  
MANUFACTURER: JOHNSONITE  
SIZE: 4"X CONTINUOUS ROLL GOODS  
COLOR: TBD  
NOTE: COVERED AT RESILIENT, STRAIGHT AT CARPET

PTB-1A PORCELAIN BULLNOSE BASE  
MANUFACTURER: CROSSVILLE  
SERIES: ALTERED STATE  
SIZE: 4" X 24"  
COLOR: STEEL GAZE AV342  
FINISH: UNPOLISHED  
GROUT: MAPEI  
COLOR: CHARCOAL 47  
NOTE: PROVIDE METAL COVE TRIM DETAIL BETWEEN BASE AND FLOOR IN ALL TOILET ROOMS

PTB-3A PORCELAIN BULLNOSE BASE  
MANUFACTURER: CROSSVILLE  
SERIES: BASALT  
SIZE: 4" X 12" BULLNOSE BASE  
COLOR: MAGMA  
FINISH: UNPOLISHED  
GROUT: MAPEI  
COLOR: TBD

PTB-1H PORCELAIN BULLNOSE BASE  
MANUFACTURER: CROSSVILLE  
SERIES: MAIN STREET  
SIZE: 4" X 24"  
COLOR: GALLERY GRAY  
FINISH: UNPOLISHED  
GROUT: MAPEI  
COLOR: CHARCOAL 47  
NOTE: PROVIDE METAL COVE TRIM DETAIL BETWEEN BASE AND FLOOR IN ALL TOILET ROOMS

PTB-3H PORCELAIN BULLNOSE BASE  
MANUFACTURER: GARDEN STATE TILE  
SERIES: VENEZIANO  
SIZE: 4" X 24" CUT TILE BASE  
COLOR: LIGHT GREY TERRAZZO  
FINISH: MATTE  
GROUT: MAPEI  
COLOR: 09 GRAY  
NOTE: PROVIDE METAL COVE TRIM DETAIL AT TOP OF BASE

IB-1 INTEGRAL BASE  
MANUFACTURER: ARMSTRONG  
COLOR: ROCK DUST MID  
SIZE: 4"X- PROVIDE MATCHING COVE AND CAP

EFB-1 EPOXY FLOOR BASE  
MANUFACTURER: STONHARD  
PRODUCT: STONCLAD GR  
SIZE: 6" BUILT UP COVE BASE  
COLOR: MUSHROOM  
GRIT LEVEL: LIGHT TEXTURE

WD-1 WOOD BASE  
TYPE: PAINT GRADE, FLAT STOCK POPLAR  
HARDWOOD  
SIZE: 4" X 3/4"

SB-1 STAINLESS STEEL COVE BASE  
MANUFACTURER:  
TYPE: 20 GAUGE  
SIZE: 0" H

## WALLS:

PNT-1 GENERAL PAINT:  
MANUFACTURER: BENJAMIN MOORE  
WALL FINISH: EGGSHELL  
DOOR & TRIM FINISH: SEMI-GLOSS  
CEILING FINISH: FLAT  
COLOR: CC-25 CLOUD COVER

PNT-2 GYP. CEILING PAINT:  
MANUFACTURER: BENJAMIN MOORE  
FINISH: CEILING FLAT  
COLOR: CHANTILLY LACE 2121-70

PNT-3 ACCENT PAINT: BENJAMIN MOORE  
WALL FINISH: EGGSHELL  
TRIM FINISH: SEMI-GLOSS  
COLOR: HC105 ROCKPORT GRAY

PNT-4 ACCENT PAINT: NEUTRAL  
MANUFACTURER: BENJAMIN MOORE  
WALL FINISH: EGGSHELL  
CEILING FINISH: FLAT  
TRIM FINISH: SEMI-GLOSS  
COLOR: TBD

PNT-5 ACCENT PAINT: BLDG 1+2 / 6TH FLOOR  
MANUFACTURER: BENJAMIN MOORE  
WALL FINISH: EGGSHELL  
CEILING FINISH: FLAT  
TRIM FINISH: SEMI-GLOSS  
COLOR: 1657 NIAGARA FALLS

PNT-6 ACCENT PAINT: BLDG 1+2 / 5TH FLOOR  
MANUFACTURER: BENJAMIN MOORE  
WALL FINISH: EGGSHELL  
CEILING FINISH: FLAT  
TRIM FINISH: SEMI-GLOSS  
COLOR: AF-525 FUJI

PNT-7 ACCENT PAINT: BLDG 1+2 / 4TH FLOOR  
MANUFACTURER: BENJAMIN MOORE  
WALL FINISH: EGGSHELL  
CEILING FINISH: FLAT  
TRIM FINISH: SEMI-GLOSS  
COLOR: CSP-860 ADRIATIC SEA

PNT-8 ACCENT PAINT: BLDG 1+2 / 3RD FLOOR  
MANUFACTURER: BENJAMIN MOORE  
WALL FINISH: EGGSHELL  
CEILING FINISH: FLAT  
TRIM FINISH: SEMI-GLOSS  
COLOR: AF-275 RUSTIQUE

PNT-9 ACCENT PAINT: BLDG 1+2 / 2ND FLOOR  
MANUFACTURER: BENJAMIN MOORE  
WALL FINISH: EGGSHELL  
CEILING FINISH: FLAT  
TRIM FINISH: SEMI-GLOSS  
COLOR: TBD

PNT-10 ACCENT PAINT: BLDG 1+2 / 1ST FLOOR  
MANUFACTURER: BENJAMIN MOORE  
WALL FINISH: EGGSHELL  
CEILING FINISH: FLAT  
TRIM FINISH: SEMI-GLOSS  
COLOR: 2166-20 CARMEL LATTE

PNT-11 ACCENT PAINT: BLDG 1+2 / GROUND FLOOR  
MANUFACTURER: BENJAMIN MOORE  
WALL FINISH: EGGSHELL  
CEILING FINISH: FLAT  
TRIM FINISH: SEMI-GLOSS  
COLOR: TBD

CT-1H PORCELAIN TILE: RESTROOM FIELD TILE  
MANUFACTURER: TILE BAR  
SERIES: LOS LUNAS  
FINISH: POLISHED  
SIZE: 4" X 12"  
COLOR: WHITE  
INSTALLATION: STACK  
GROUT: MAPEI  
COLOR: GRAY 09  
NOTE: INSTALL FULL HT. AT ALL WALLS IN TOILET ROOMS U.O.N.

CT-2A PORCELAIN TILE: RESTROOM ACCENT TILE  
MANUFACTURER: CROSSVILLE  
SERIES: ALTERED STATE  
FINISH: MATTE  
SIZE: 2" X 12" MESH MOUNTED MOSAIC  
COLOR: COPPER CORE  
INSTALLATION: STACK  
GROUT: MAPEI  
COLOR: TBD  
NOTE: INSTALL FULL HT. AT PLUMBING WALLS WHERE INDICATED.

CT-3A CERAMIC TILE:  
MANUFACTURER: DAL TIE  
SERIES: REVALIA  
SIZE: 2" X 8" BEVELED MOSAIC  
COLOR: CENTENNIAL WHITE RV08  
GROUT: MAPEI  
COLOR: GRAY 09  
NOTE: CAFE BACKSPLASH

GL-1A GLASS MOSAIC TILE: PANTRY/GALLEY  
MANUFACTURER: CROSSVILLE  
SERIES: GLASS BLOX  
SIZE: 2" X 4" MOSAIC  
COLOR: TO BE SELECTED FROM MANUFACTURERS FULL COLOR RANGE  
GROUT: MAPEI  
COLOR: TBD

GL-2A WALL TILE: COMMISSIONER CONFERENCE ROOM  
MANUFACTURER: NITINA  
SERIES: FINGE BY MICHAEL ANASTASSIADES  
SIZE: 5" X 5" X 3/8"  
COLOR: RED  
PATTERN: PROVIDE 50% FRINGE THIN AND 50% FRINGE BOLD. TO BE INSTALLED RANDOMLY IN MONOLITHIC LAYOUT.  
GROUT: MAPEI  
COLOR: TBD

GL-1H MOSAIC TILE: PANTRY/GALLEY BACKSPLASH  
MANUFACTURER: AMERICAN OLEAN  
SERIES: COLOR STORY  
SIZE: 2" X 8"  
COLOR: SHADOW RECTANGLE  
FINISH: GLOSS  
GROUT: MAPEI  
COLOR: TBD

CON-1 PRE-CAST THIN CONCRETE PANELS  
MANUFACTURER:  
SERIES:  
SIZE:  
NOTE:

CON-2 BOARD FORMED CONCRETE WALLS WITH REVEALS  
MANUFACTURER:  
SERIES:  
SIZE:  
NOTE: INDICATED ON ELEVATIONS

## WALLS CONTINUED:

CT-1H CERAMIC TILE:  
MANUFACTURER: AMERICAN OLEAN  
SERIES: BRIGHT AND MATTE  
FINISH: GLOSS  
SIZE: 4 1/4" X 14"  
COLOR: WHITE 0090  
INSTALLATION: STAGGERED BRICK BOND  
GROUT: MAPEI  
COLOR: GRAY 09  
NOTE: INSTALL FULL HT. AT ALL WALLS IN TOILET ROOMS U.O.N.

CT-2H CERAMIC TILE:  
MANUFACTURER: AMERICAN OLEAN  
SERIES: BRIGHT AND MATTE  
FINISH: GLOSS  
SIZE: 4 1/4" X 14"  
COLOR: MANDARIN ORANGE Q077  
INSTALLATION: PATTERN TBD  
GROUT: MAPEI  
COLOR: TBD  
NOTE: CT-2H TO COVER 25% OF PLUMBING WALL IN COMBINATION WITH CT-1H.

FRP-1 FIBERGLASS REINFORCED PLASTIC PANELS:  
MANUFACTURER: MARLITE  
TYPE: STANDARD FRP  
COLOR: WHITE 10  
FINISH: PEBBLED SURFACE  
NOTE: INSTALL TO HT. OF 4'-0" ON ALL WALLS IN JAN. CLOSURE U.O.N. ERWAY PAIN ABOVE

VWC-1 VINYL WALLCOVERING: COMMISSIONER AREAS  
MANUFACTURER: MOMENTUM  
PATTERN: AKASHA II A201  
COLOR: LUNA 014  
TYPE: 20 OZ., TYPE II

VWC-2 VINYL WALLCOVERING:  
MANUFACTURER: MDC  
TYPE: 20 OZ., TYPE II VINYL WITH STIPPLE TEXTURE  
PATTERN: CUSTOM PRINTED GRAPHIC  
NOTE: SEE INTERIOR ELEVATIONS AND ENVIRONMENTAL GRAPHICS SHEETS. HIGH RESOLUTION GRAPHIC TO BE PROVIDED BY ARCHITECT DURING SHOP DRAWING PHASE.

VWC-3 VINYL WALLCOVERING: COMMISSIONER AREAS  
MANUFACTURER: MOMENTUM  
PATTERN: AKASHA II A201  
COLOR: LUNA 014  
TYPE: 20 OZ., TYPE II

DP-1 DECORATIVE PANELS:  
MANUFACTURER: FRY REGLET  
SYSTEM: GRAPH MODULAR WALL SYSTEM  
FRAME: 1" 1/4" DOUBLE FIN AND OPEN OUTSIDE CORNERS  
MATERIAL: ANODIZED ALUMINUM  
PANELS: CUSTOM PRINTED PLASTIC LAMINATE  
PANELS WITH 3/4" MDT SUBSTRAIGHT  
NOTE: SEE INTERIOR ELEVATIONS AND ENVIRONMENTAL GRAPHICS SHEETS FOR MORE INFORMATION

DP-2 DECORATIVE PANELS:  
MANUFACTURER: FRY REGLET  
SYSTEM: GRAPH MODULAR WALL SYSTEM  
FRAME: 1" 1/4" DOUBLE FIN AND OPEN OUTSIDE CORNERS  
MATERIAL: ANODIZED ALUMINUM  
PANELS: PERFORATED ALUMINUM SHEETS WITH 3/4" ALUMINUM MESH CO.-RECTANGULAR PERFORATIONS.

DP-3 DECORATIVE PANELS:  
MANUFACTURER: FRY REGLET  
SYSTEM: GRAPH MODULAR WALL SYSTEM  
FRAME: 1" 1/4" DOUBLE FIN AND OPEN OUTSIDE CORNERS  
MATERIAL: ANODIZED ALUMINUM  
PANELS: WOOD VENEER PANELS. SPECIES: MAPLE. STAIN AND FINISH TO MATCH WILSONART PARK ELM

DP-4 DECORATIVE PANELS:  
MANUFACTURER: BOSTON VALLEY  
SYSTEM: TERRA COTTA PANELS TO MATCH EXTERIOR PANEL SPECIFICATION  
MATERIAL: ADOBE  
REVEAL TYPE: TO MATCH EXTERIOR

DP-5 DECORATIVE PANELS: HARDWOOD VERTICAL  
MANUFACTURER: PL3000  
MATERIAL: 100% BAMBOO / REAL CORE TECHNOLOGY  
PANELS: 3/4" X 47-3/4" X 85-3/4"  
STYLE: LINEAR LINE PANEL STYLE LL6  
COLOR: AMBER  
FINISH: PREFINISHED, CLASS A FIRE RATED - CONFIRM WITH MANUFACTURER

AP-1 FABRIC ACOUSTIC PANELS:  
MANUFACTURER: FABRIC TRAK ACOUSTICAL SYSTEMS INC.  
SYSTEM: PERFORMANCE SERIES ACOUSTICAL WALL PANELS CORE INFILL - JOHNS MANVILLE WISPERTONE FIBERGLASS WALLBOARD PANELS TRACK PROFILE: FABRIC TRAK BEVELED EDGE 2" DEEP  
FABRIC: CARNEGIE XOREL METEOR  
COLOR: 706

AP-1A FABRIC ACOUSTIC PANELS:  
MANUFACTURER: FABRIC TRAK ACOUSTICAL SYSTEMS INC.  
SYSTEM: PERFORMANCE SERIES ACOUSTICAL WALL PANELS CORE INFILL - JOHNS MANVILLE WISPERTONE FIBERGLASS WALLBOARD PANELS TRACK PROFILE: FABRIC TRAK BEVELED EDGE 2" DEEP  
FABRIC: XOREL / FLUX / COLOR: TBD  
NOTE: SEE DETAILS ON SHEET A1-414 FOR SIZE INFORMATION.

AP-1B FABRIC ACOUSTIC PANELS:  
MANUFACTURER: FABRIC TRAK ACOUSTICAL SYSTEMS INC.  
SYSTEM: PERFORMANCE SERIES ACOUSTICAL WALL PANELS CORE INFILL - JOHNS MANVILLE WISPERTONE FIBERGLASS WALLBOARD PANELS TRACK PROFILE: FABRIC TRAK BEVELED EDGE 2" DEEP  
FABRIC: XOREL / DOVER / COLOR: TBD  
NOTE: SEE DETAILS ON SHEET A1-414 FOR SIZE INFORMATION.

AP-1C FABRIC ACOUSTIC PANELS:  
MANUFACTURER: FABRIC TRAK ACOUSTICAL SYSTEMS INC.  
SYSTEM: PERFORMANCE SERIES ACOUSTICAL WALL PANELS CORE INFILL - JOHNS MANVILLE WISPERTONE FIBERGLASS WALLBOARD PANELS TRACK PROFILE: FABRIC TRAK BEVELED EDGE 2" DEEP  
FABRIC PANELS: CUSTOM PRINTED GRAPHIC ON ACOUSTIC RATED PRINTABLE FABRIC  
NOTE: SEE INTERIOR ELEVATIONS AND ENVIRONMENTAL GRAPHICS SHEETS FOR MORE INFORMATION. HIGH RESOLUTION GRAPHIC TO BE PROVIDED BY ARCHITECT DURING SHOP DRAWING PHASE.  
NOTE: SEE DETAILS ON SHEET A1-414 FOR SIZE INFORMATION.

AP-2 FABRIC ACOUSTIC PANELS: COMMISSIONERS MEETING ROOM  
MANUFACTURER: FABRIC TRAK ACOUSTICAL SYSTEMS INC.  
SYSTEM: PERFORMANCE SERIES ACOUSTICAL WALL PANELS CORE INFILL - JOHNS MANVILLE WISPERTONE FIBERGLASS WALLBOARD PANELS TRACK PROFILE: FABRIC TRAK BEVELED EDGE 2" DEEP  
FABRIC PANELS: CUSTOM PRINTED GRAPHIC ON ACOUSTIC RATED PRINTABLE FABRIC  
NOTE: SEE INTERIOR ELEVATIONS AND ENVIRONMENTAL GRAPHICS SHEETS FOR MORE INFORMATION. HIGH RESOLUTION GRAPHIC TO BE PROVIDED BY ARCHITECT DURING SHOP DRAWING PHASE.  
NOTE: SEE DETAILS ON SHEET A1-414 FOR SIZE INFORMATION.

## MISCELLANEOUS:

PL-1 PLASTIC LAMINATE:  
MANUFACTURER: WILSONART  
COLOR: PARK ELM 7967

PL-2 PLASTIC LAMINATE:  
MANUFACTURER: WILSONART  
TYPE: CHALKBOARD LAMINATE  
COLOR: GRAPHITE NEBULA 4623

PL-3 PLASTIC LAMINATE:  
MANUFACTURER: WILSONART  
COLOR: T.B.D.

WD-2 WOOD VENEER PANELS  
SPECIES: MAPLE  
STAINFINISH: TO MATCH WILSONART PARK ELM

WD-3 WOOD VENEER PANELS  
SPECIES: MAPLE  
STAINFINISH: TBD

WD-4 WOOD VENEER PANELS  
SPECIES: MAPLE  
STAINFINISH: TBD

WD-5 WOOD VENEER PANELS  
SPECIES: MAPLE  
STAINFINISH: TBD

SS-1 SOLID SURFACE:  
MANUFACTURER: CORIAN  
COLOR: SORREL

SS-2 SOLID SURFACE:  
MANUFACTURER: WILSONART  
COLOR: DUSK ICE

FB-1 VINYL FABRIC AT CAFE BENCH:  
MANUFACTURER: DESIGNTEX  
PATTERN: LINEN 9621  
COLOR: NEPTUNE 403

WS-1 MANUAL WINDOW SHADES:  
MANUFACTURER: MECO SHADE  
MODEL: MECO 5  
SHADE: 5500 SERIES- 1% OPENNESS AT SOUTH FACING WINDOWS, 3% OPENNESS AT ALL OTHER EXTERIOR WINDOWS  
COLOR: TBD  
NOTE: PROVIDE WINDOW SHADE AT ALL EXTERIOR WINDOW LOCATIONS U.O.N.

WS-2 MANUAL BLACKOUT SHADES:  
MANUFACTURER: MECO SHADE  
MODEL: MECO 5  
SHADE: CHELSEA BLACKOUT 0250 SERIES  
COLOR: TBD  
NOTE: PROVIDE WINDOW SHADE AT ALL LARGE TRAINING ROOMS ONLY

MS MOTORIZED BLACKOUT DOUBLE SHADE SYSTEM:  
MANUFACTURER: MECO SHADE  
MODEL: DOUBLESHADES  
SHADE: CHELSEA BLACKOUT 0250 SERIES  
COLOR: TBD  
NOTE: SEE REFLECTED CEILING PLANS

WP-1 WALL PROTECTION  
MANUFACTURER: MOMENTUM TEXTILES  
PRODUCT: P3TEC

WP-2 SUBSTRAIGHT: PRINTABLE SHEET PROTECTION  
PRODUCT WITH LINEN TEXTURE  
COLOR: HIGH RESOLUTION GRAPHIC FOR WP-1 THRU WP-8 TO BE PROVIDED BY ARCHITECT DURING SHOP DRAWING PHASE

WP-3

WP-4

WP-5

WP-6

WP-7

WP-8

**CEILING:**

ACT-1 ACOUSTIC CEILING TILE:  
MANUFACTURER: ARMSTRONG WORLD INDUSTRIES  
TYPE: FINE FIGURED SQUARE LAY-IN (#1831)  
COLOR: WHITE  
SIZE: 24" X 24"  
GRID: 15/16" PRELUDE XL EXPOSED T-GRID

ACT-2 ACOUSTIC CEILING TILE:  
MANUFACTURER: ARMSTRONG WORLD INDUSTRIES  
TYPE: OPTIMA VECTOR SQUARE TEGULAR (#3098)P  
COLOR: WHITE  
SIZE: 24" X 48"  
GRID: 15/16" PRELUDE XL EXPOSED T-GRID

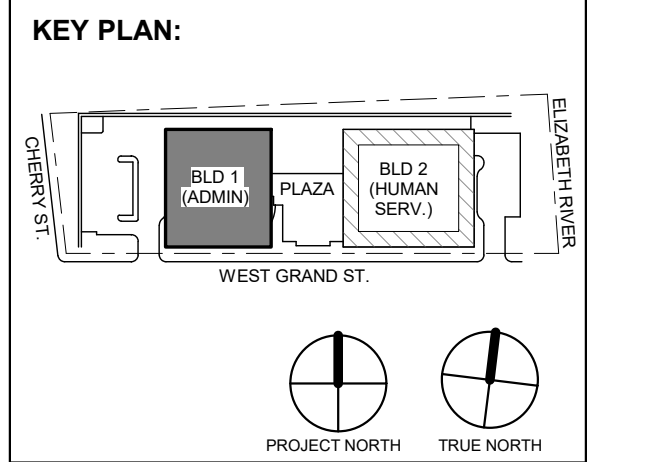
ACT-3 ACOUSTIC CEILING TILE:  
MANUFACTURER: ARMSTRONG WORLD INDUSTRIES  
TYPE: ULTIMA SQUARE LAY-IN (#1913HC)  
COLOR: WHITE  
SIZE: 24" X 48"  
GRID: 15/16" PRELUDE XL EXPOSED T-GRID

ACT-4 ACOUSTIC CEILING TILE:  
MANUFACTURER: ARMSTRONG WORLD INDUSTRIES  
TYPE: SQUARE LAY-IN (#1910HC)  
COLOR: WHITE  
SIZE: 24" X 24"  
GRID: 15/16" PRELUDE XL EXPOSED T-GRID

ACT-5 WOOD LOOK ALUMINUM SLATS:  
MANUFACTURER: CERTANTEED  
PRODUCT: MULTI-BOX CONTINUOUS, VARIOUS WIDTHS AND LENGTHS  
NOTE: REFER TO DET 11A-401 FOR ADDITIONAL INFORMATION

ACT-6 WOOD SLAT CEILING TILE:  
MANUFACTURER: ARMSTRONG WORLD INDUSTRIES  
TYPE: WOODWORKS GRILLE  
COLOR: WALNUT  
SIZE: 19" X 96"  
EDGE: BACKER  
SLAT PER PANEL/SLAT SPACING: 5 SLATS / 3 1/4"  
NOTE: INCLUDE BIOACOUSTIC INFILL PANEL

ACT-7 FELT ACOUSTIC BAFFLES  
MANUFACTURER: EZOSOUND  
TYPE: RAIL ACOUSTIC BAFFLES  
COLOR: TBD  
SIZE: 3/8" THICK X 8" H X 8' L  
NOTE: BAFFLES TO BE CUT TO SIZE. SEE CEILING DETAILS FOR MORE INFORMATION.



No.	Date	Description
4	12.22.2023	Addendum No. 4
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

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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: 01/25/21  
Drawn By: Author  
Checked By: Checker

Sheet Name:  
**FINISH SPECIFICATIONS**

Sheet No:

**A-820**



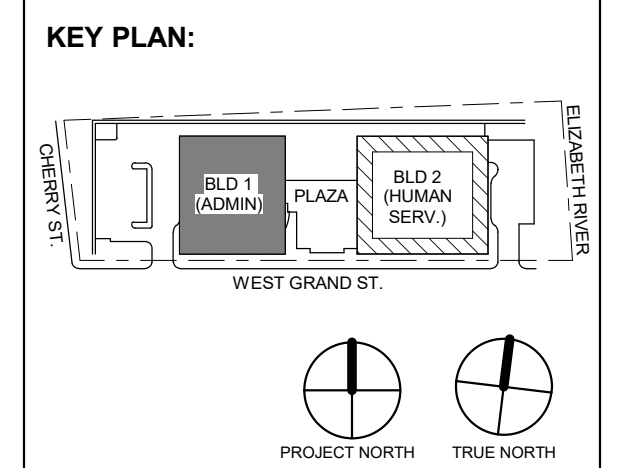


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Jeffrey D. Venezia, AIA NJ RA AI 00827100

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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: JSK/AVPC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - LEVEL 0 - MECHANICAL DUCTWORK PLAN

Sheet No:

M-101

GARAGE VENTILATION CALCULATION (PER IMC 404.1):

GARAGE AREA: 23,000 SF

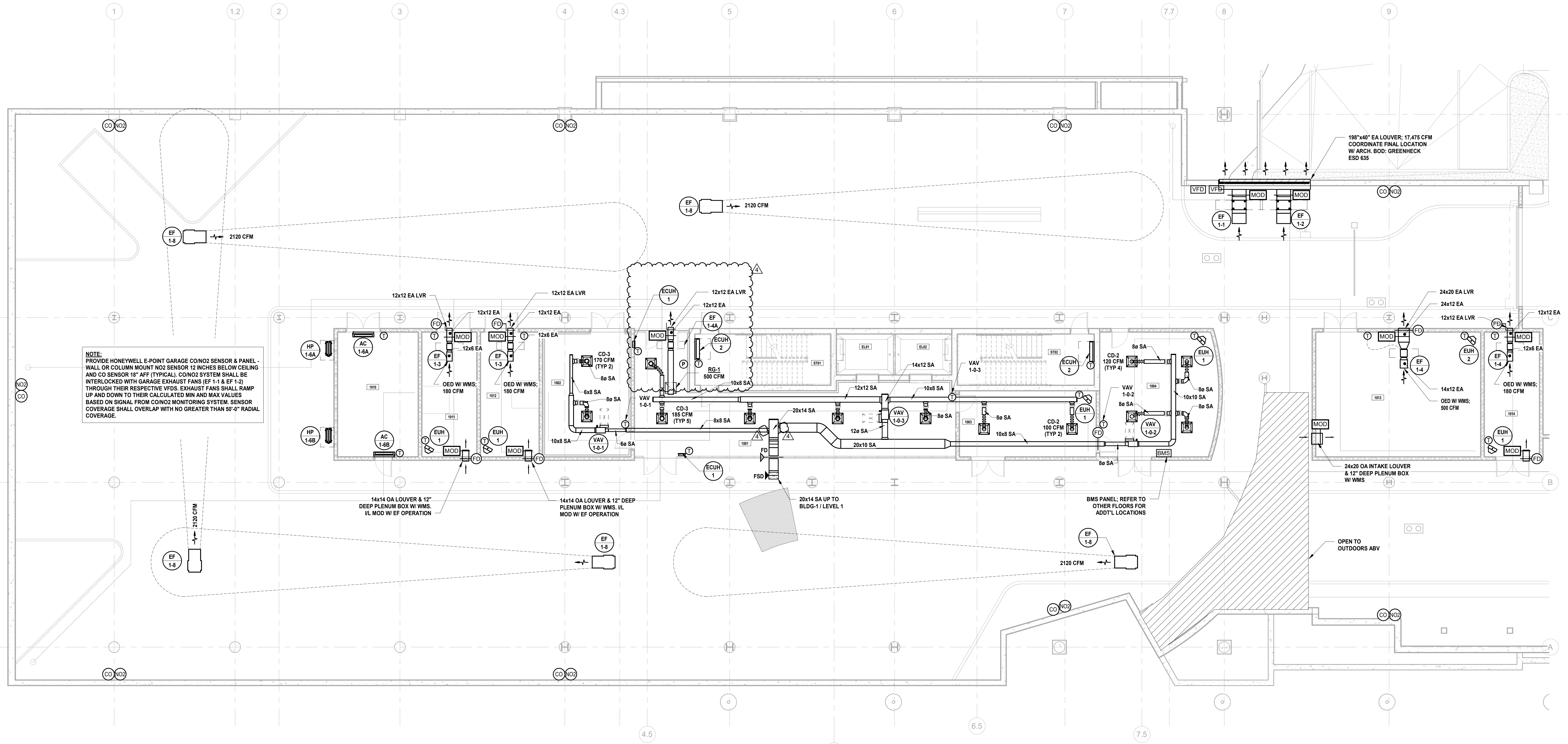
MINIMUM EXHAUST RATE: 0.05 CFM/SF 23,000 SF \* 0.05 CFM/SF = 1,165 CFM

MAXIMUM EXHAUST RATE: 0.75 CFM/SF 23,000 SF \* 0.75 CFM/SF = 17,475 CFM

\*EF 1-1 & EF 1-2 SHALL HAVE CAPACITY TO OPERATE SIMULTANEOUSLY TO PRODUCE 17,475 CFM (EACH EF @ 8,750 CFM)

MECHANICAL SYSTEM NOTES:

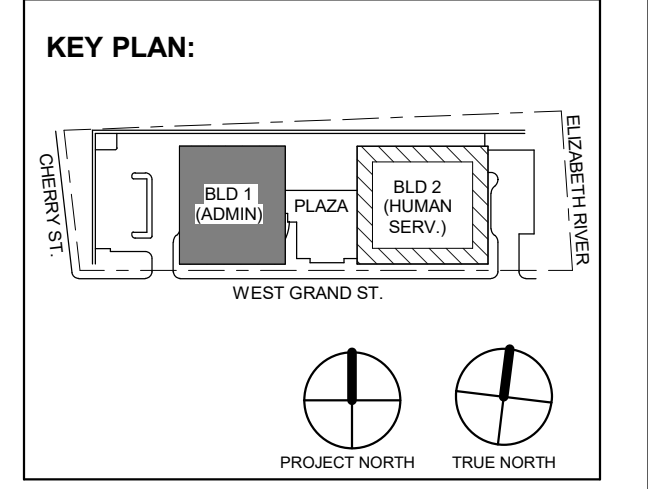
- 1. GENERAL NOTES: A. REFER TO MECHANICAL LEAD SHEET, M-001 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS THAT PERTAIN TO THE SCOPE OF THIS PROJECT. B. REFER TO DETAIL DRAWINGS FOR MECHANICAL DETAILS PERTAINING TO THIS PROJECT. C. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS. D. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND APPURTENANCES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS. 2. DUCTWORK SYSTEM NOTES: A. CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT INDICATED ON PLAN AND AS SCHEDULED. B. CONTRACTOR SHALL COORDINATE ALL FRAME TYPES FOR AIR DEVICES WITH CEILING TYPES AS INDICATED ON THE ARCHITECTURAL DRAWINGS. C. ALL DUCTWORK DIMENSIONS INDICATED ON PLAN ARE INSIDE CLEAR. REFER TO SPECIFICATIONS FOR ACOUSTICAL LINING AND INSULATION REQUIREMENTS. D. ALL RETURN AIR OPEN END DUCTS SHALL BE FINISHED WITH 1" X 1" WIRE MESH SCREENING. E. ALL FIRE DAMPERS, SMOKE DAMPERS, AND COMBINATION FIRE/SMOKE DAMPERS SHALL HAVE ACCESS DOORS INSTALLED PER THE PROJECT DETAILS AND SPECIFICATIONS. F. CONTRACTOR SHALL PROVIDE FIRE-STOPPING EQUIVALENT TO HLTI SYSTEMS OR APPROVED EQUIVALENT AT ALL PENETRATIONS OF WALLS AND FLOORS. REFER TO SPECIFICATIONS FOR ADDITIONAL FIRE-STOPPING REQUIREMENTS. G. CONTRACTOR SHALL UTILIZE PLENUM RATED MATERIALS FOR ALL CEILING PLENUMS BEING UTILIZED AS RETURN AIR PLENUMS. H. CONTRACTOR SHALL SUPPLY 120V POWER TO ALL LOCATIONS OF BMS PANELS.



1 BUILDING NO. 1 - LEVEL 0 - MECHANICAL DUCTWORK PLAN SCALE: 1/8" = 1'-0"







Revision table with columns: No., Date, Description, Revisions / Issues. Includes entries for Addendum No. 4 and Addendum No. 3.

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Client: UNION COUNTY IMPROVEMENT AUTHORITY

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

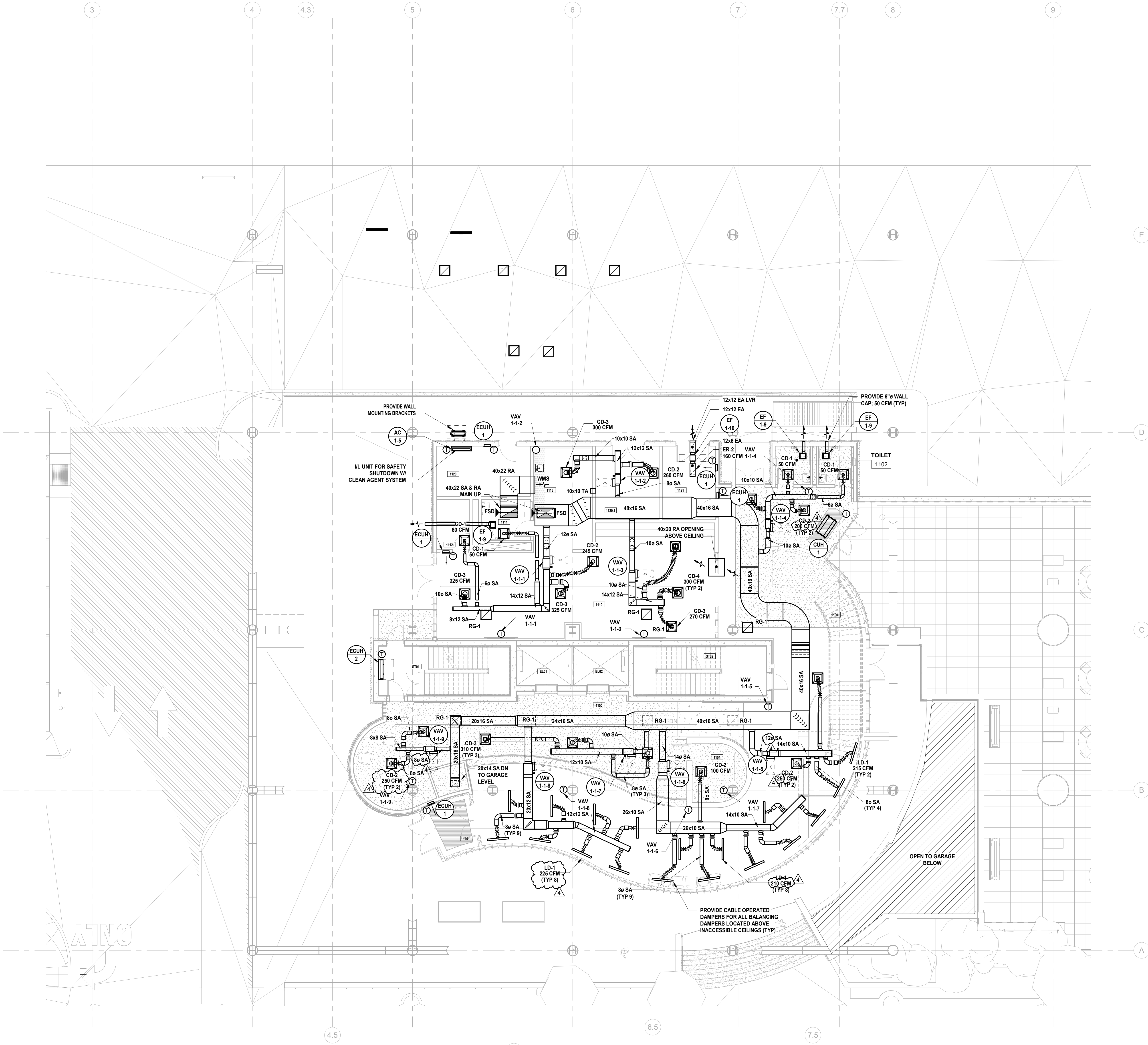
Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - LEVEL 1 - MECHANICAL DUCTWORK PLAN

Sheet No: M-102

MECHANICAL SYSTEM NOTES:

- 1. GENERAL NOTES: A. REFER TO MECHANICAL LEAD SHEET, M-001 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS THAT PERTAIN TO THE SCOPE OF THIS PROJECT. B. REFER TO DETAIL DRAWINGS FOR MECHANICAL DETAILS PERTAINING TO THIS PROJECT. C. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS. D. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND APPURTENANCES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS. 2. DUCTWORK SYSTEM NOTES: A. CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT INDICATED ON PLAN AND AS SCHEDULED. B. CONTRACTOR SHALL COORDINATE ALL FRAME TYPES FOR AIR DEVICES WITH CEILING TYPES AS INDICATED ON THE ARCHITECTURAL DRAWINGS. C. ALL DUCTWORK DIMENSIONS INDICATED ON PLAN ARE INSIDE CLEAR. REFER TO SPECIFICATIONS FOR ACOUSTICAL LINING AND INSULATION REQUIREMENTS. D. ALL RETURN AIR OPEN END DUCTS SHALL BE FINISHED WITH 1" X 1" WIRE MESH SCREENING. E. ALL FIRE DAMPERS, SMOKE DAMPERS, AND COMBINATION FIRE/SMOKE DAMPERS SHALL HAVE ACCESS DOORS INSTALLED PER THE PROJECT DETAILS AND SPECIFICATIONS. F. CONTRACTOR SHALL PROVIDE FIRE-STOPPING EQUIVALENT TO ULTI SYSTEMS OR APPROVED EQUIVALENT AT ALL PENETRATIONS OF WALLS AND FLOORS. REFER TO SPECIFICATIONS FOR ADDITIONAL FIRE-STOPPING REQUIREMENTS. G. CONTRACTOR SHALL UTILIZE PLENUM RATED MATERIALS FOR ALL CEILING PLENUMS BEING UTILIZED AS RETURN AIR PLENUMS. H. CONTRACTOR SHALL SUPPLY 120V POWER TO ALL LOCATIONS OF BMS PANELS.

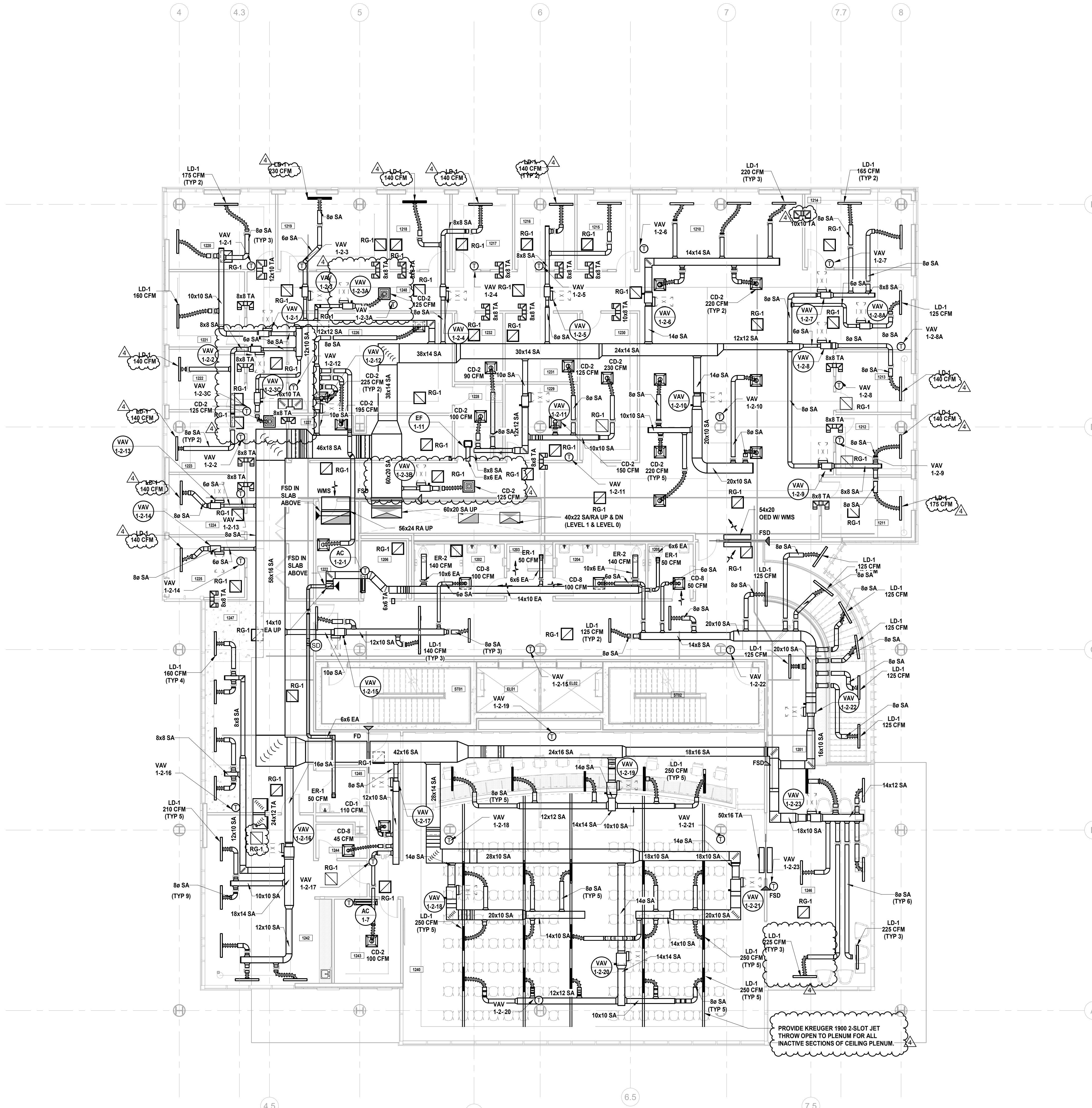


1 BUILDING NO. 1 - LEVEL 1 - MECHANICAL DUCTWORK PLAN M-102 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"

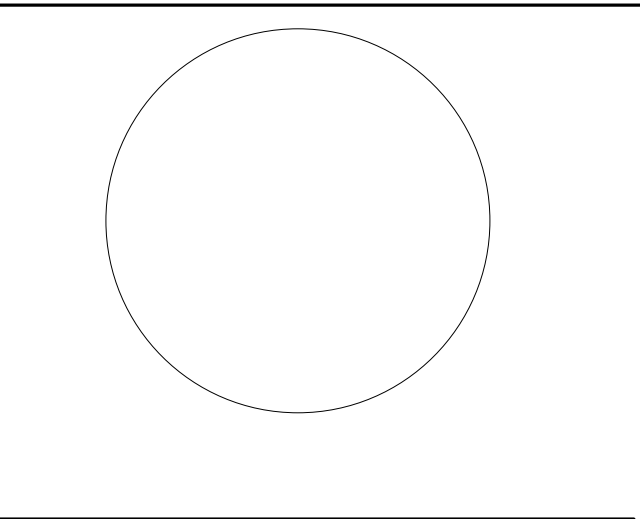


MECHANICAL SYSTEM NOTES:

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1 BUILDING NO. 1 - LEVEL 2 - MECHANICAL DUCTWORK PLAN M-103 SCALE: 1/8" = 1'-0"



KEY PLAN: A diagram showing the location of Building No. 1 (Admin. Plaza) and Building No. 2 (Human Serv.) on a site plan. A north arrow is provided below the key plan.

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

No.	Date	Description	Revisions / Issues
4	12/22/2023	Addendum No. 4	
3	12/15/2023	Addendum No. 3	
2	12/08/2023	Addendum No. 2	
1	11/08/2023	For Public Bid	

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NJ RA # 05827100



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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

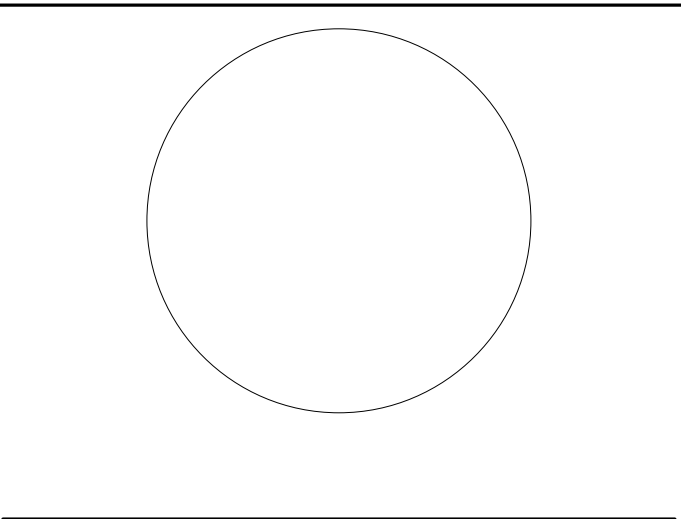
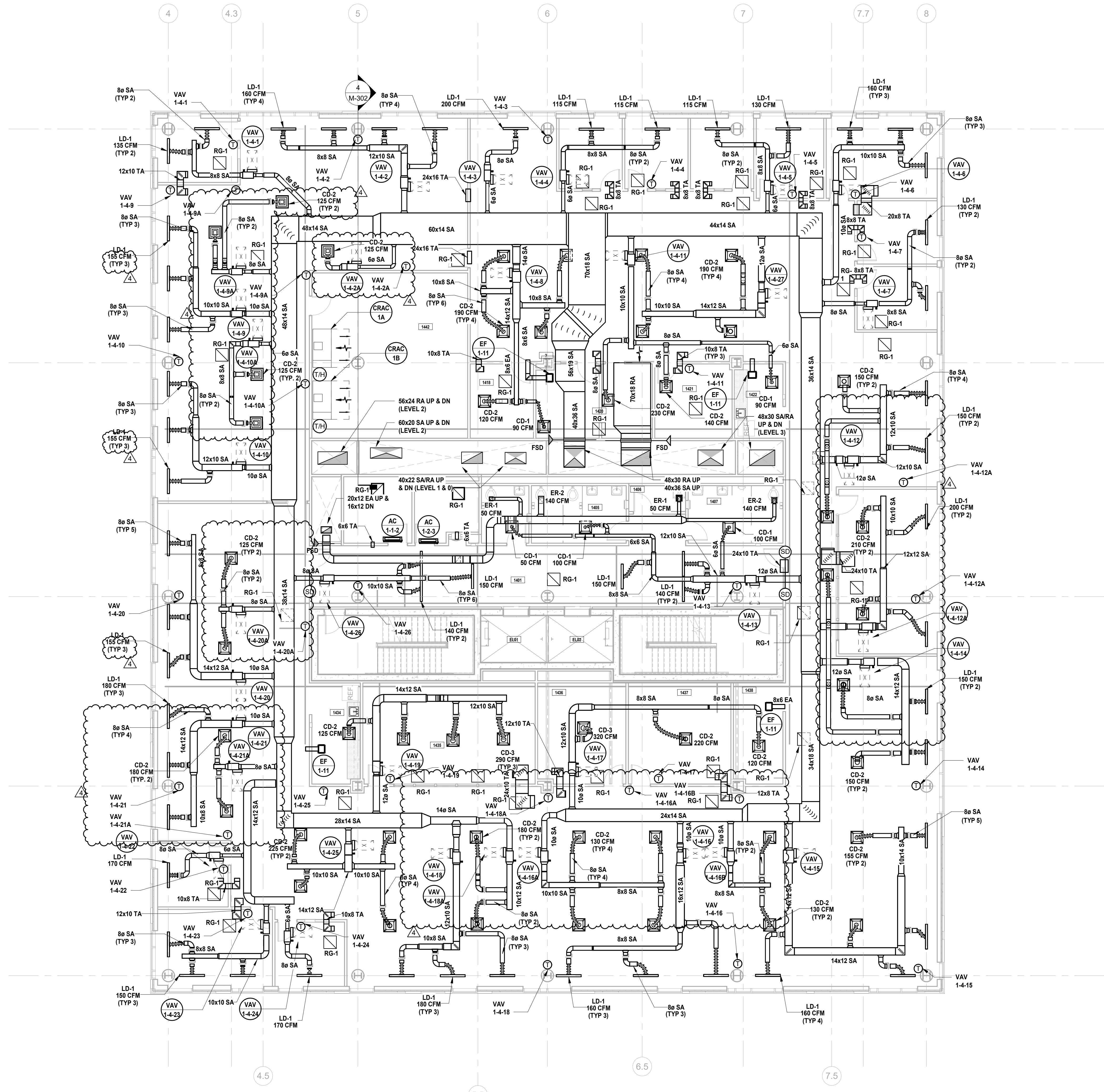
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Sheet No: M-103

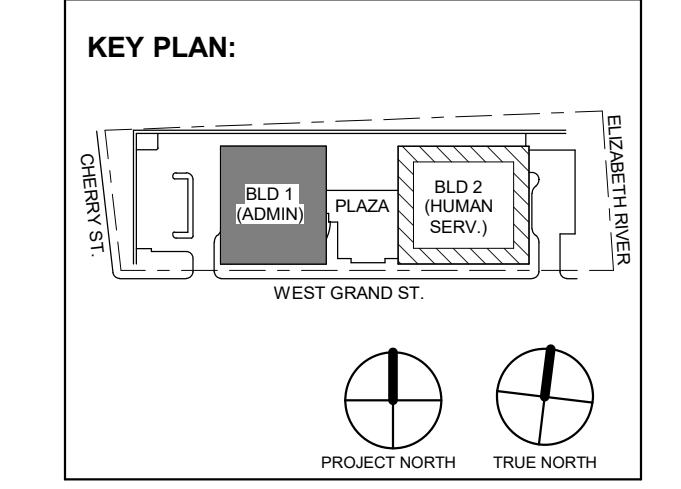


MECHANICAL SYSTEM NOTES:

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DESIGNED BY: JSK/DKR DRAWN BY: JSK CHECKED BY: JCM REVIEWED BY: JCM  
PROJECT No: DGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



No.	Date	Description
4	12/22/2023	Addendum No. 4
3	12/15/2023	Addendum No. 3
2	12/08/2023	Addendum No. 2
1	11/08/2023	For Public Bid

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2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Veneziat, AIA  
NJ RA AI 09827100

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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: JSK/AVPC  
Checked By: JM/SH

Sheet Name:  
**BUILDING NO. 1 - LEVEL 4 - MECHANICAL DUCTWORK PLAN**

Sheet No:  
**M-105**

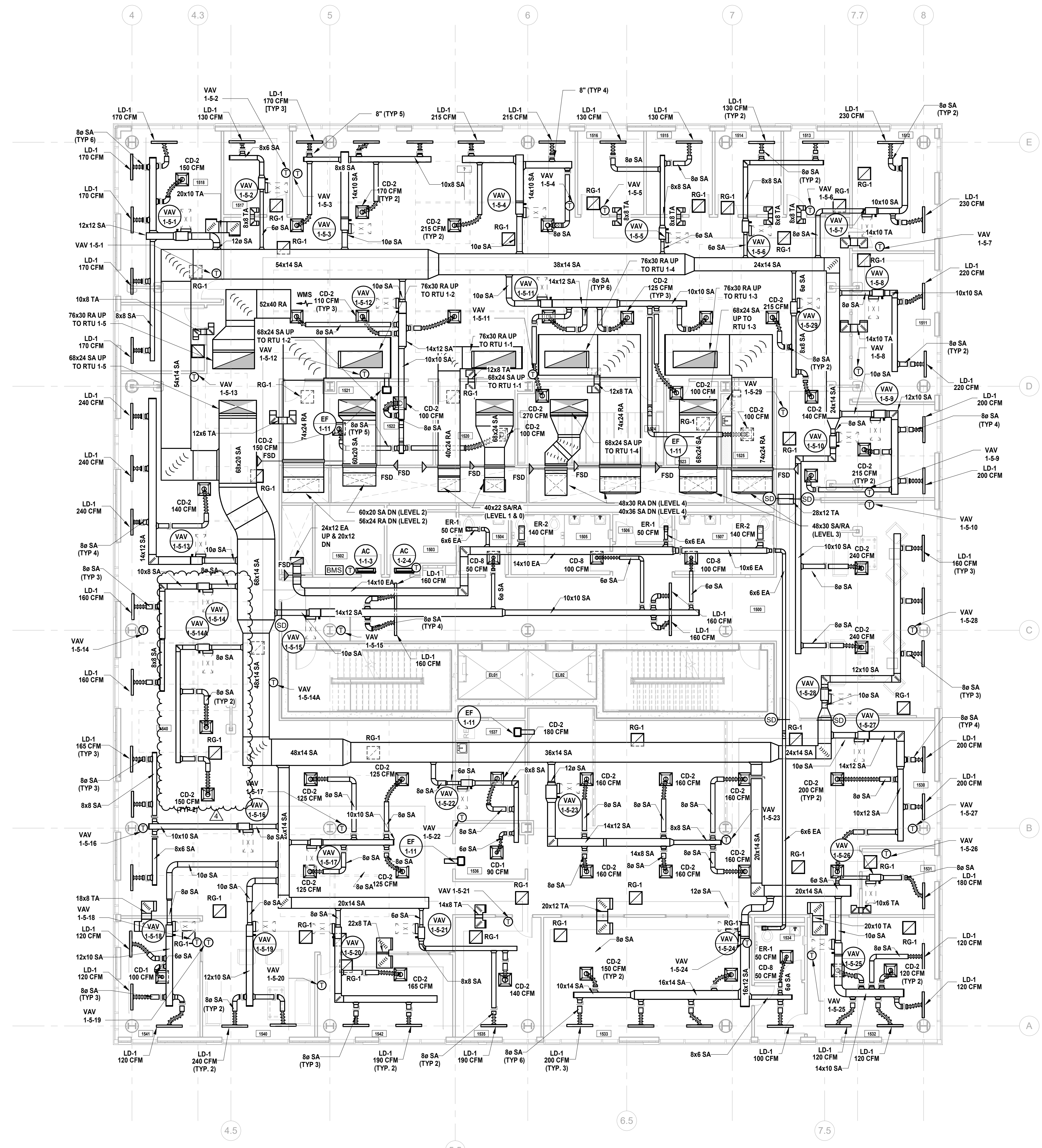
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M-105 SCALE: 1/8" = 1'-0"



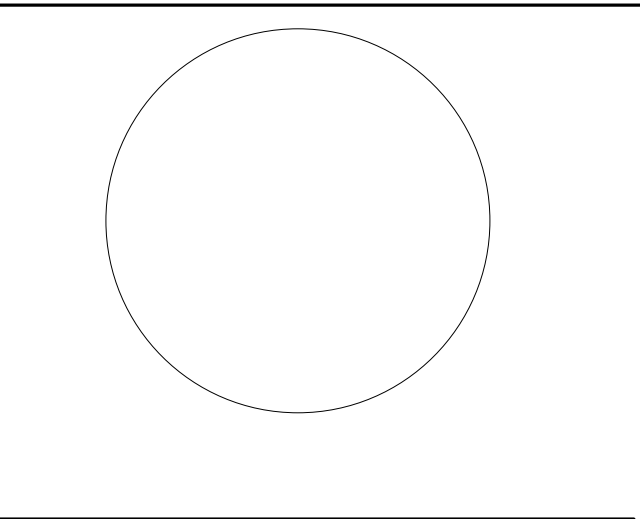


MECHANICAL SYSTEM NOTES:

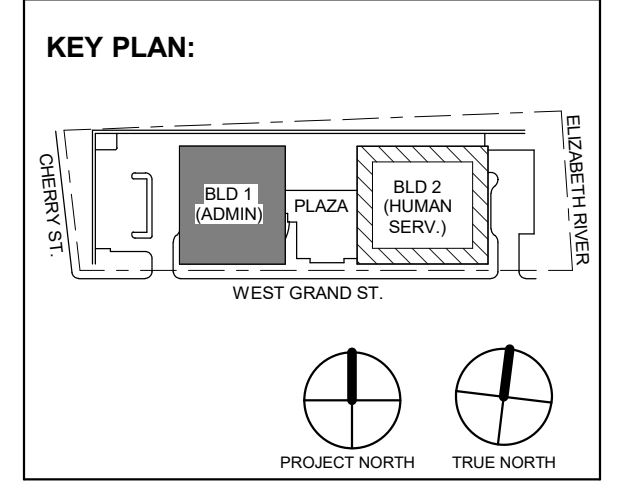
- 1. GENERAL NOTES: A. REFER TO MECHANICAL LEAD SHEET, M-001 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS THAT PERTAIN TO THE SCOPE OF THIS PROJECT. B. REFER TO DETAIL DRAWINGS FOR MECHANICAL DETAILS PERTAINING TO THIS PROJECT. C. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS. D. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND APPURTENANCES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS. 2. DUCTWORK SYSTEM NOTES: A. CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT INDICATED ON PLAN AND AS SCHEDULED. B. CONTRACTOR SHALL COORDINATE ALL FRAME TYPES FOR AIR DEVICES WITH CEILING TYPES AS INDICATED ON THE ARCHITECTURAL DRAWINGS. C. ALL DUCTWORK DIMENSIONS INDICATED ON PLAN ARE INSIDE CLEAR. REFER TO SPECIFICATIONS FOR ACoustICAL LINING AND INSULATION REQUIREMENTS. D. ALL RETURN AIR OPEN END DUCTS SHALL BE FINISHED WITH 1" X 1" WIRE MESH SCREENING. E. ALL FIRE DAMPERS, SMOKE DAMPERS, AND COMBINATION FIRE/SMOKE DAMPERS SHALL HAVE ACCESS DOORS INSTALLED PER THE PROJECT DETAILS AND SPECIFICATIONS. F. CONTRACTOR SHALL PROVIDE FIRE-STOPPING EQUIVALENT TO HLTI SYSTEMS OR APPROVED EQUIVALENT AT ALL PENETRATIONS OF WALLS AND FLOORS. REFER TO SPECIFICATIONS FOR ADDITIONAL FIRE-STOPPING REQUIREMENTS. G. CONTRACTOR SHALL UTILIZE PLENUM RATED MATERIALS FOR ALL CEILING PLENUMS BEING UTILIZED AS RETURN AIR PLENUMS. H. CONTRACTOR SHALL SUPPLY 120V POWER TO ALL LOCATIONS OF BMS PANELS. I. INTERNALLY LINE ALL SUPPLY AND RETURN DUCTWORK WITHIN 20 FEET UPSTREAM AND DOWNSTREAM OF FANS WITH 1" THICK INSULATION. INTERNALLY LINED DUCTWORK MEETING THIS REQUIREMENT SHALL ALSO BE PROVIDED WITH EXTERNALLY APPLIED INSULATION AS REQUIRED BY THE SPECIFICATIONS.



1 BUILDING NO. 1 - LEVEL 5 - MECHANICAL DUCTWORK PLAN M-106 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"



DESIGNED BY: JSK/DKR DRAWN BY: DKR CHECKED BY: JSK REVISIONS BY: JCM PROJECT No.: DGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



Revisions / Issues table with columns for No., Date, and Description. It lists four revisions: 1 (12/08/2023, For Public Bid), 2 (12/15/2023, Addendum No. 2), 3 (12/15/2023, Addendum No. 3), and 4 (12/22/2023, Addendum No. 4).

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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: JSB/AJPC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - LEVEL 5 - MECHANICAL DUCTWORK PLAN

Sheet No: M-106



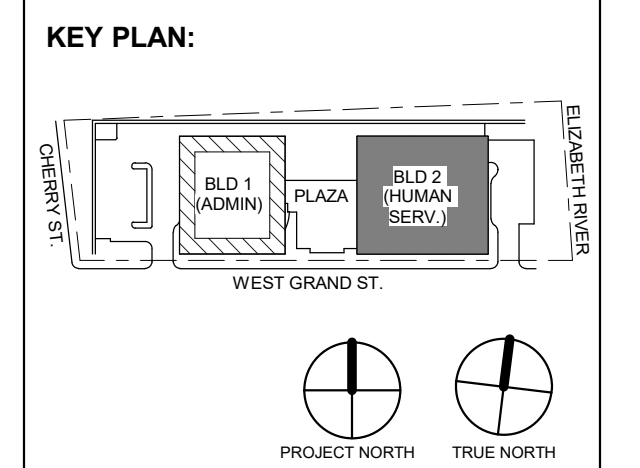


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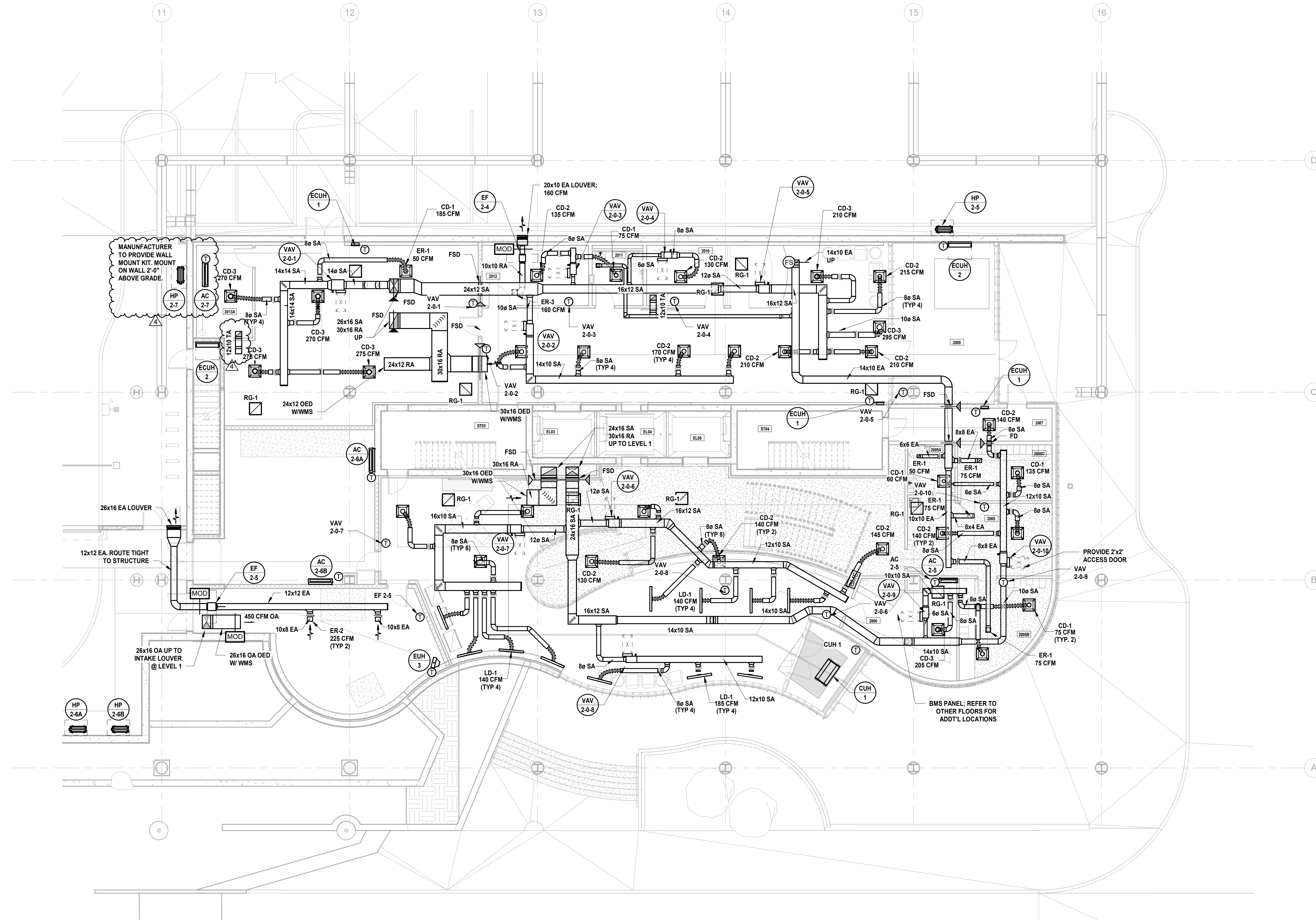
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Sheet Name: BUILDING NO. 2 - LEVEL 0 - MECHANICAL DUCTWORK PLAN

Sheet No: M-110

MECHANICAL SYSTEM NOTES:

- 1. GENERAL NOTES: A. REFER TO MECHANICAL LEAD SHEET, M-001 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS THAT PERTAIN TO THE SCOPE OF THIS PROJECT. B. REFER TO DETAIL DRAWINGS FOR MECHANICAL DETAILS PERTAINING TO THIS PROJECT. C. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS. D. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND APPURTENANCES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS. 2. DUCTWORK SYSTEM NOTES: A. CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT INDICATED ON PLAN AND AS SCHEDULED. B. CONTRACTOR SHALL COORDINATE ALL FRAME TYPES FOR AIR DEVICES WITH CEILING TYPES AS INDICATED ON THE ARCHITECTURAL DRAWINGS. C. ALL DUCTWORK DIMENSIONS INDICATED ON PLAN ARE INSIDE CLEAR. REFER TO SPECIFICATIONS FOR ACOUSTICAL LINING AND INSULATION REQUIREMENTS. D. ALL RETURN AIR OPEN END DUCTS SHALL BE FINISHED WITH 1" X 1" WIRE MESH SCREENING. E. ALL FIRE DAMPERS, SMOKE DAMPERS, AND COMBINATION FIRE/SMOKE DAMPERS SHALL HAVE ACCESS DOORS INSTALLED PER THE PROJECT DETAILS AND SPECIFICATIONS. F. CONTRACTOR SHALL PROVIDE FIRE-STOPPING EQUIVALENT TO HILTI SYSTEMS OR APPROVED EQUIVALENT AT ALL PENETRATIONS OF WALLS AND FLOORS. REFER TO SPECIFICATIONS FOR ADDITIONAL FIRE-STOPPING REQUIREMENTS. G. CONTRACTOR SHALL UTILIZE PLENUM RATED MATERIALS FOR ALL CEILING PLENUMS BEING UTILIZED AS RETURN AIR PLENUMS. H. CONTRACTOR SHALL SUPPLY 120V POWER TO ALL LOCATIONS OF BMS PANELS.



1 BUILDING NO. 2 - LEVEL 0 - MECHANICAL DUCTWORK PLAN SCALE: N.T.S.









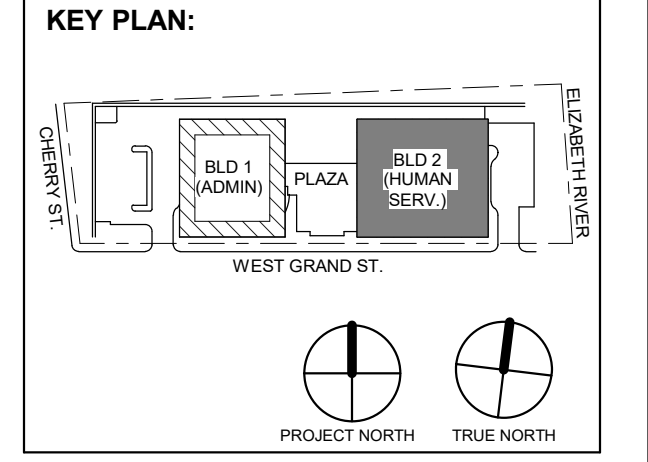


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Client: UNION COUNTY IMPROVEMENT AUTHORITY

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

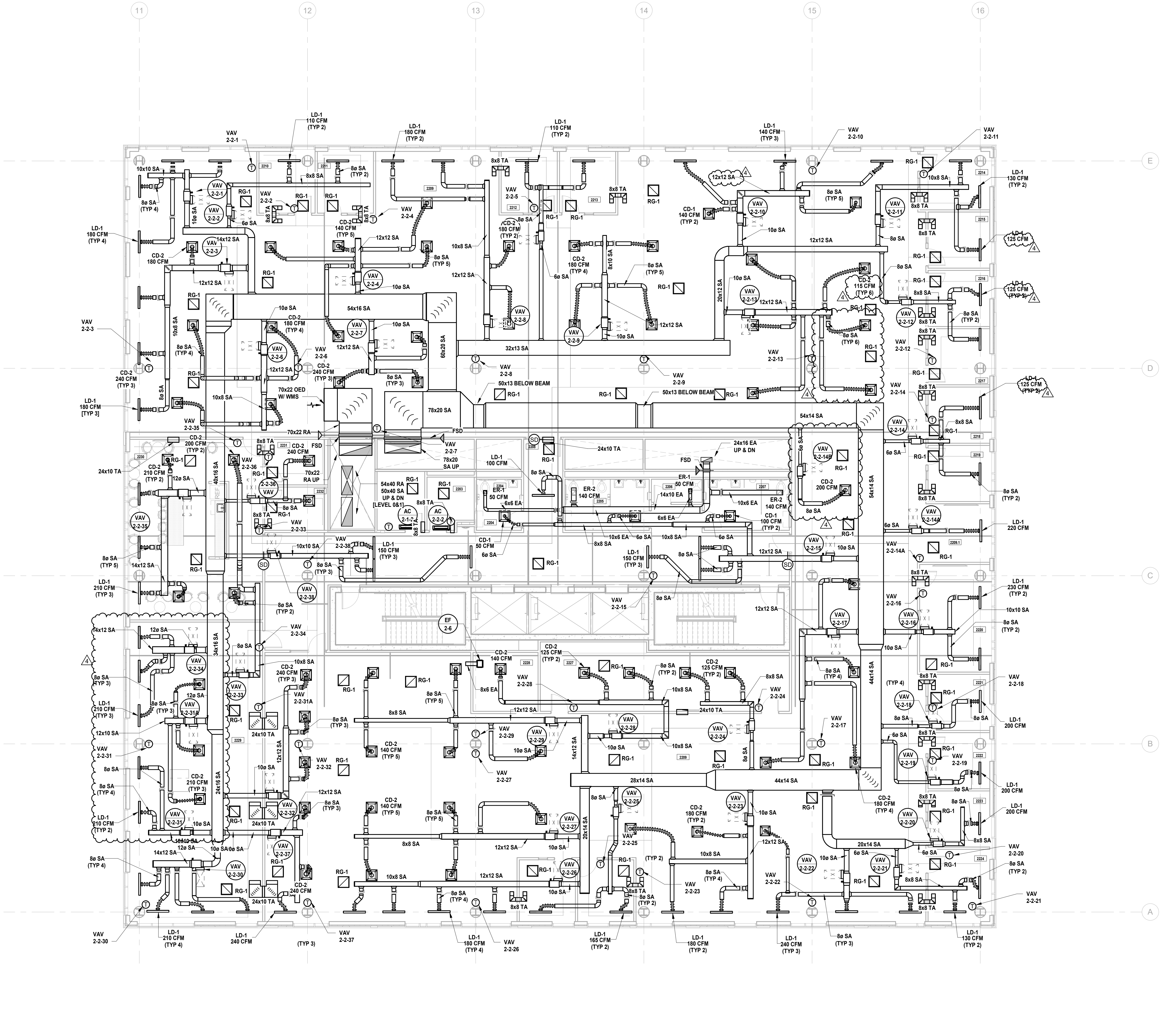
Drawing Information: Project No: 20.072 Date: 11/08/2023 Drawn By: JSK/JVPC Checked By: JM/SJ

Sheet Name: BUILDING NO. 2 - LEVEL 2 - MECHANICAL DUCTWORK PLAN

Sheet No: M-112

MECHANICAL SYSTEM NOTES:

- 1. GENERAL NOTES: A. REFER TO MECHANICAL LEAD SHEET, M-001 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS THAT PERTAIN TO THE SCOPE OF THIS PROJECT. B. REFER TO DETAIL DRAWINGS FOR MECHANICAL DETAILS PERTAINING TO THIS PROJECT. C. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS. D. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND APPURTENANCES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS. 2. DUCTWORK SYSTEM NOTES: A. CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT INDICATED ON PLAN AND AS SCHEDULED. B. CONTRACTOR SHALL COORDINATE ALL FRAME TYPES FOR AIR DEVICES WITH CEILING TYPES AS INDICATED ON THE ARCHITECTURAL DRAWINGS. C. ALL DUCTWORK DIMENSIONS INDICATED ON PLAN ARE INSIDE CLEAR. REFER TO SPECIFICATIONS FOR ACoustICAL LINING AND INSULATION REQUIREMENTS. D. ALL RETURN AIR OPEN END DUCTS SHALL BE FINISHED WITH 1" X 1" WIRE MESH SCREENING. E. ALL FIRE DAMPERS, SMOKE DAMPERS, AND COMBINATION FIRE/SMOKE DAMPERS SHALL HAVE ACCESS DOORS INSTALLED PER THE PROJECT DETAILS AND SPECIFICATIONS. F. CONTRACTOR SHALL PROVIDE FIRE-STOPPING EQUIVALENT TO HLTI SYSTEMS OR APPROVED EQUIVALENT AT ALL PENETRATIONS OF WALLS AND FLOORS. REFER TO SPECIFICATIONS FOR ADDITIONAL FIRE-STOPPING REQUIREMENTS. G. CONTRACTOR SHALL UTILIZE PLENUM RATED MATERIALS FOR ALL CEILING PLENUMS BEING UTILIZED AS RETURN AIR PLENUMS. H. CONTRACTOR SHALL SUPPLY 120V POWER TO ALL LOCATIONS OF BMS PANELS.

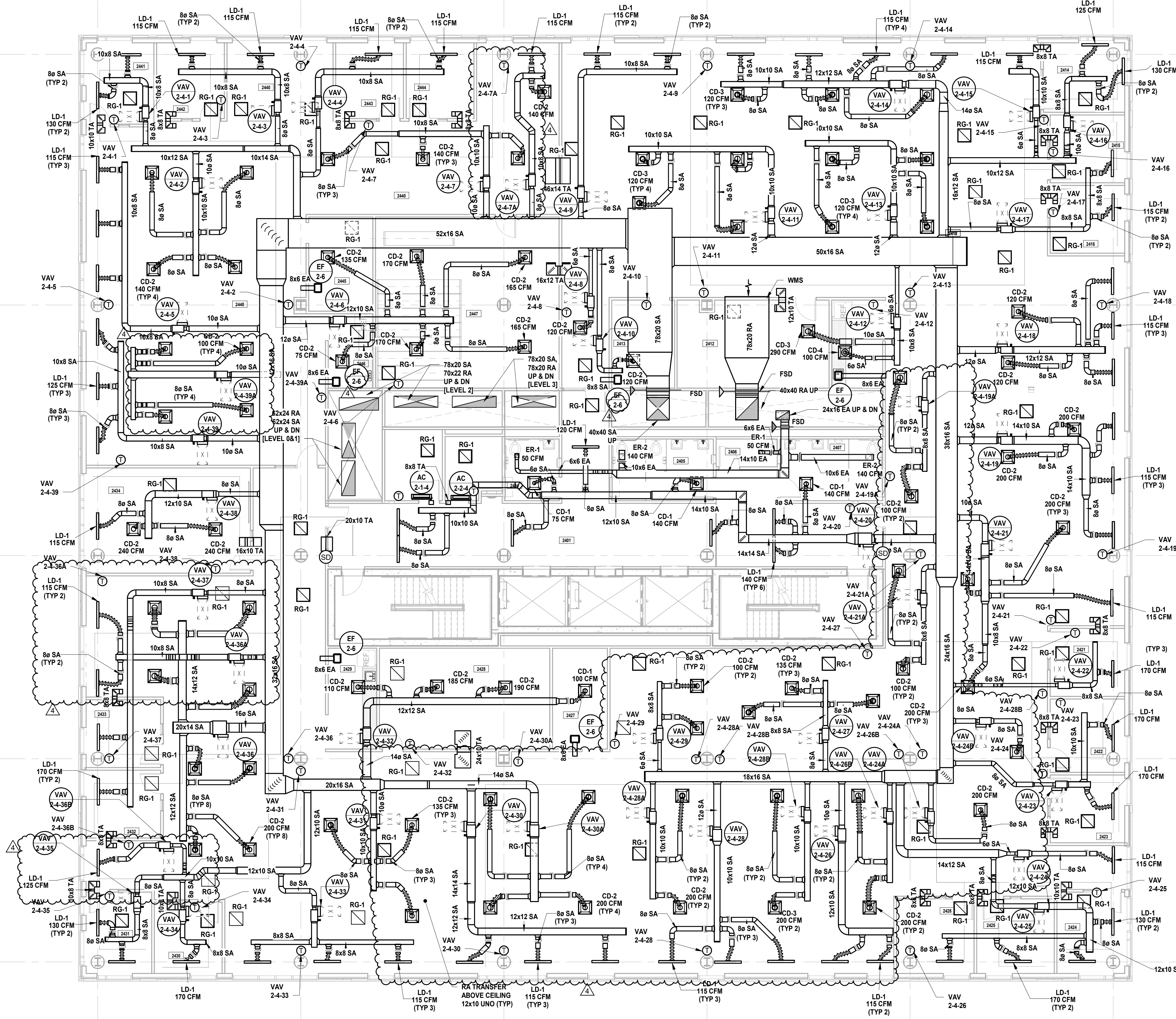


1 BUILDING NO. 2 - LEVEL 2 - MECHANICAL DUCTWORK PLAN M-112 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"

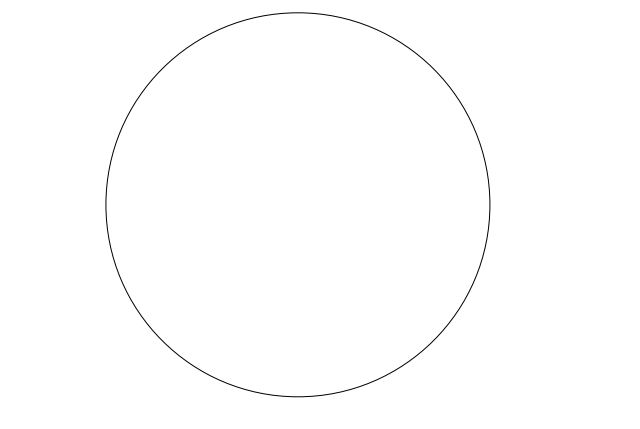


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1 BUILDING NO. 2 - LEVEL 4 - MECHANICAL DUCTWORK PLAN M-114 SCALE: 1/8" = 1'-0"



JOHN CHRIS MORRIS III, P.E. DESIGNED BY: JSK/DKR DRAWN BY: DKR CHECKED BY: JSK REVIEWED BY: JCM PROJECT NO: DGA2301 DATE: 11/08/2023 SCALE: AS SHOWN

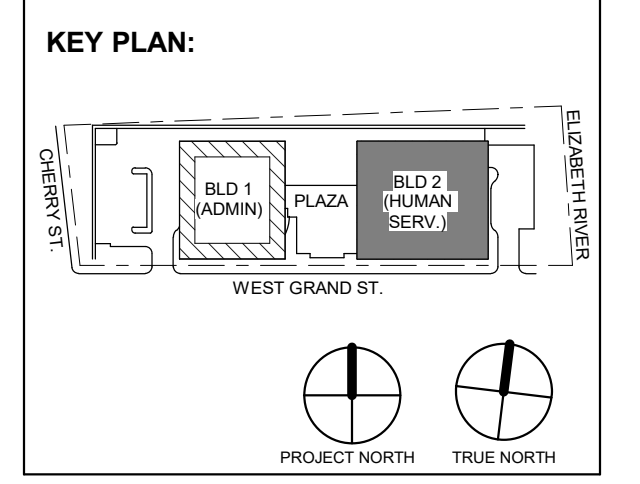


Table with 4 columns: No., Date, Description, Revisions / Issues. Contains revision history for the drawing.

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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: JSK/JMPC Checked By: JM/SH

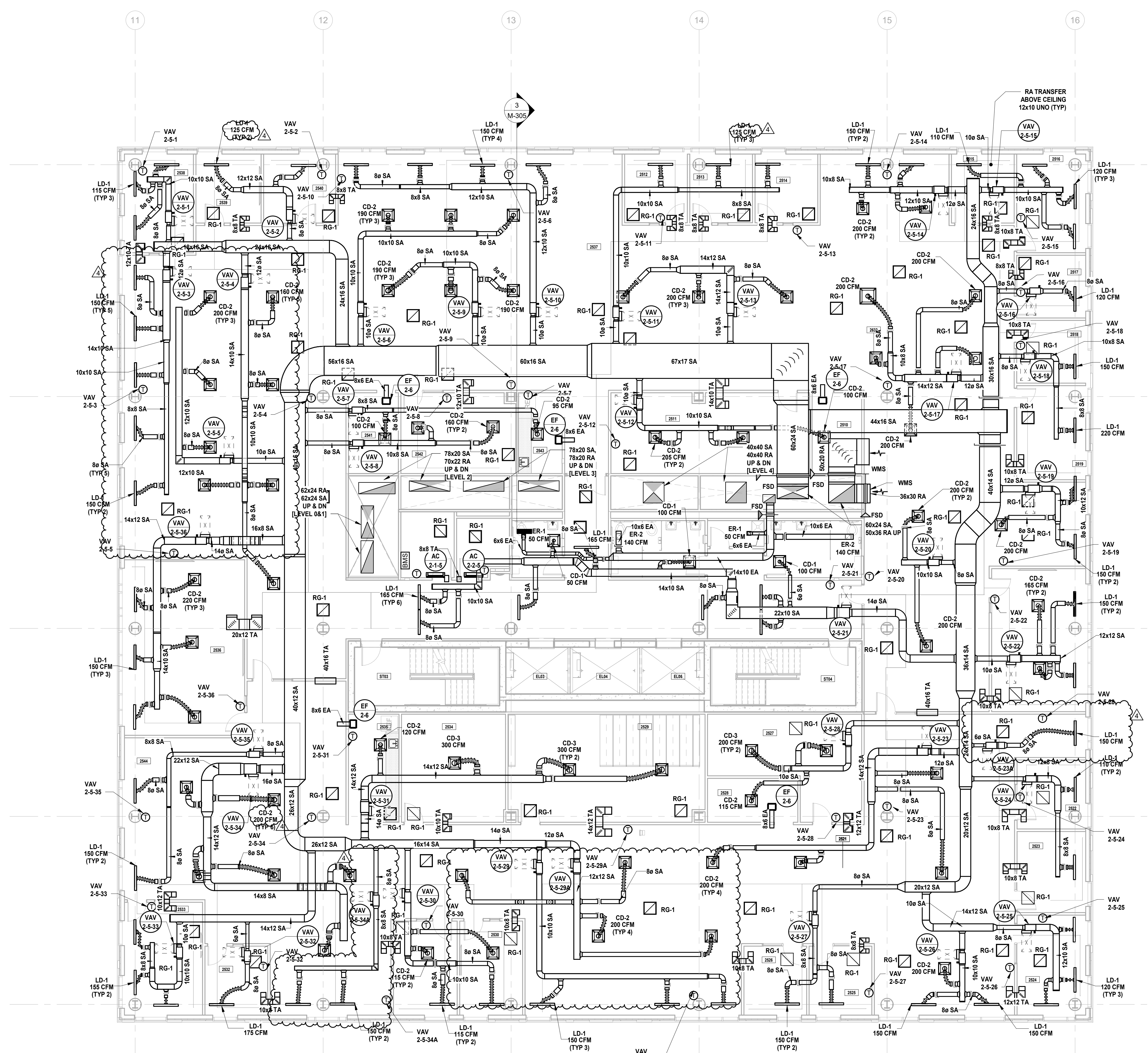
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Sheet No: M-114



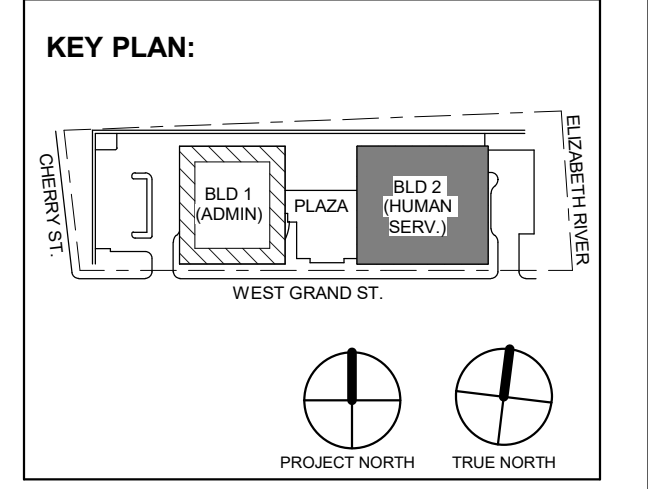
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  - CONTRACTOR SHALL SUPPLY 120V POWER TO ALL LOCATIONS OF BMS PANELS.



**1 BUILDING NO. 2 - LEVEL 5 - MECHANICAL DUCTWORK PLAN**  
 M-115 SCALE: 1/8" = 1'-0"  
 SCALE BAR: 1/8"=1'-0"

**JOHN CHRIS MORRIS III, P.E.**  
 ALTERNATE OF THIS DOCUMENT EXCEPT BY LICENSED PROFESSIONAL REPRESENTATIVE OF THE PROFESSION, MEMBER OF A.S. CONSULTING ENGINEERS  
 DESIGNED BY: JSK/DKR DRAWN BY: JSK CHECKED BY: JCM REVIEWED BY: JCM  
 PROJECT NO: DGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



No.	Date	Description	Revisions / Issues
4	12/22/2023	Addendum No. 4	
3	12/15/2023	Addendum No. 3	
2	12/08/2023	Addendum No. 2	
1	11/08/2023	For Public Bid	

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 NJ RA AI 00827100

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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

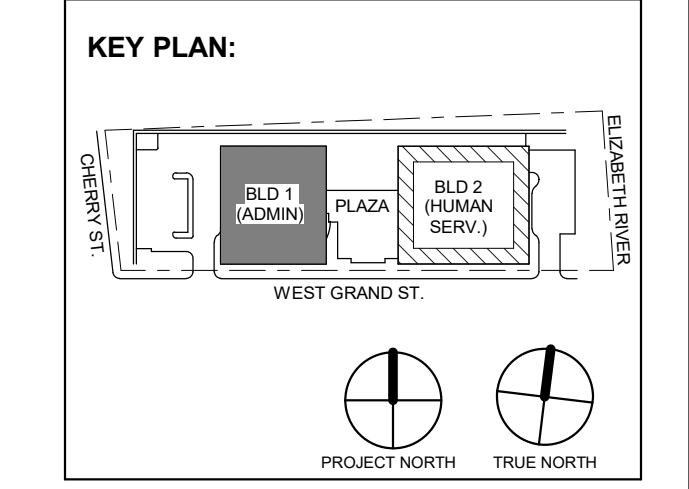
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**BUILDING NO. 2 - LEVEL 5 - MECHANICAL DUCTWORK PLAN**

Sheet No:  
**M-115**









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

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Client: UNION COUNTY IMPROVEMENT AUTHORITY

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

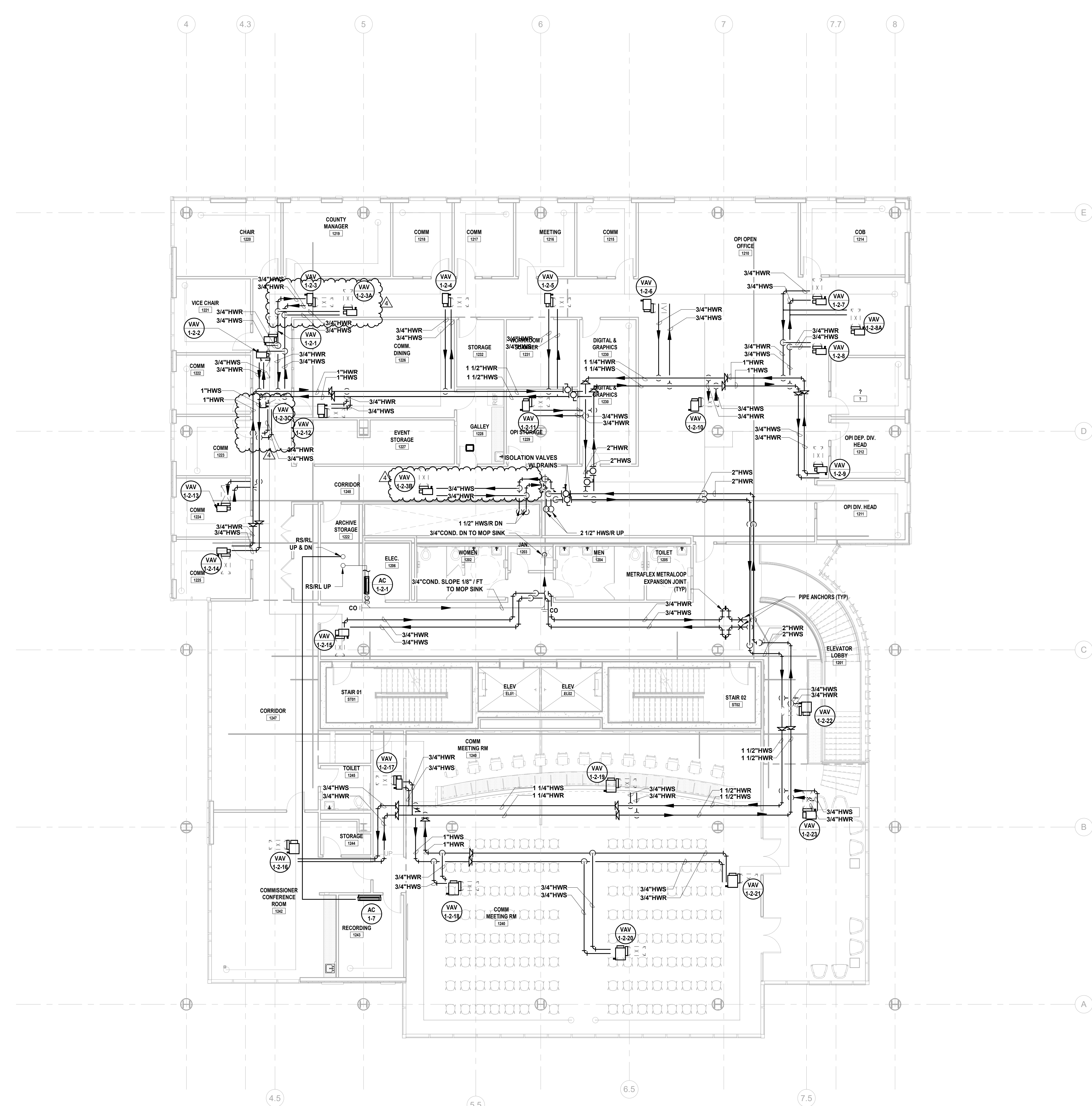
Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JSB/AJPC Checked By: JM/SH

Sheet Name: BUILDING NO. 1 - LEVEL 2 - MECHANICAL PIPING PLAN

Sheet No: M-203

MECHANICAL SYSTEM NOTES

- 1. GENERAL NOTES: A. REFER TO MECHANICAL LEAD SHEET, M-001 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS THAT PERTAIN TO THE SCOPE OF THIS PROJECT. B. REFER TO DETAIL DRAWINGS FOR MECHANICAL DETAILS PERTAINING TO THIS PROJECT. C. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS. D. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND APPURTENANCES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS. 2. PIPING SYSTEM NOTES: A. CONTRACTOR SHALL FIELD ROUTE FINAL CONNECTIONS TO ALL EQUIPMENT. FINAL CONNECTIONS INCLUDING VALVES AND APPURTENANCES SHALL BE PER PROJECT DETAILS. B. CONTRACTOR SHALL PROVIDE ADDITIONAL ISOLATION VALVES FOR ALL BRANCH PIPING CONTAINING TWO OR MORE VARIABLE AIR VOLUME BOXES. REFER TO SPECIFICATIONS FOR VALVE TYPE AND CHARACTERISTICS BASED ON PIPE SIZE. C. CONTRACTOR SHALL PROVIDE DRAIN VALVES AT MAIN BRANCH ISOLATION VALVES ON EACH FLOOR FOR "MAIN BRANCH ISOLATION." D. CONTRACTOR SHALL PROVIDE AIR VENTS AT ALL HIGH POINTS AND DRAIN VALVES AT ALL LOW POINTS IN THE SYSTEM. E. CONTRACTOR SHALL SLOPE ALL CONDENSATE AT A MINIMUM HORIZONTAL SLOPE OF 1% IN THE DIRECTION OF DISCHARGE. F. CONTRACTOR SHALL PROVIDE FIRE-STOPPING EQUIVALENT TO HILTI SYSTEMS OR APPROVED EQUIVALENT AT ALL PENETRATIONS OF WALLS AND FLOORS. REFER TO SPECIFICATIONS FOR ADDITIONAL FIRE-STOPPING REQUIREMENTS. G. CONTRACTOR SHALL UTILIZE PLENUM RATED MATERIALS FOR ALL CEILING PLENUMS BEING UTILIZED AS RETURN AIR PLENUMS.

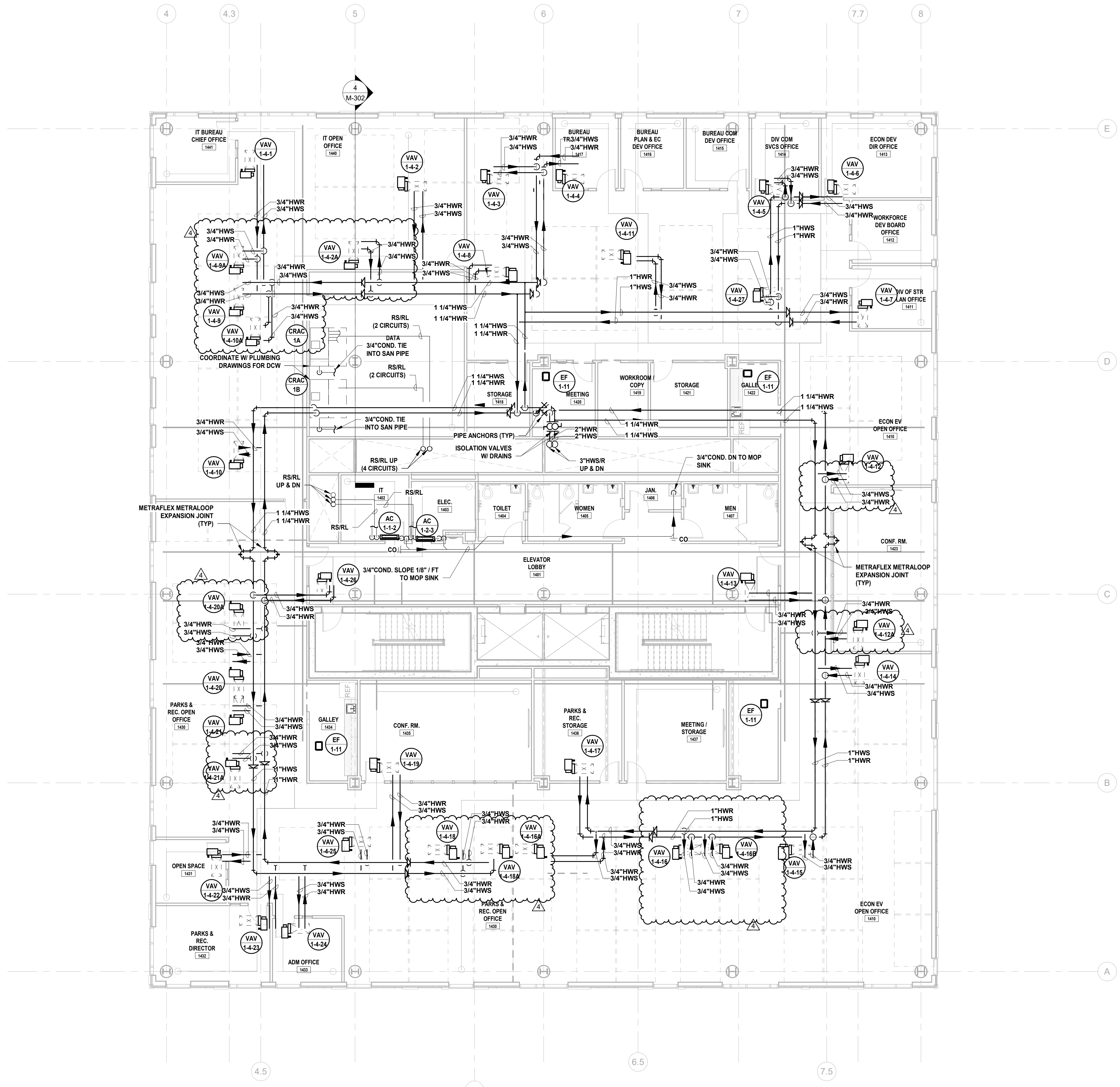


1 BUILDING NO. 1 - LEVEL 2 - MECHANICAL PIPING PLAN SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"

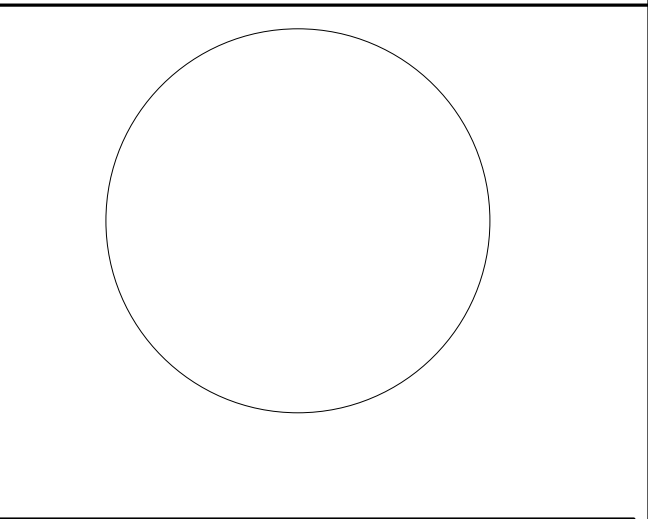


MECHANICAL SYSTEM NOTES

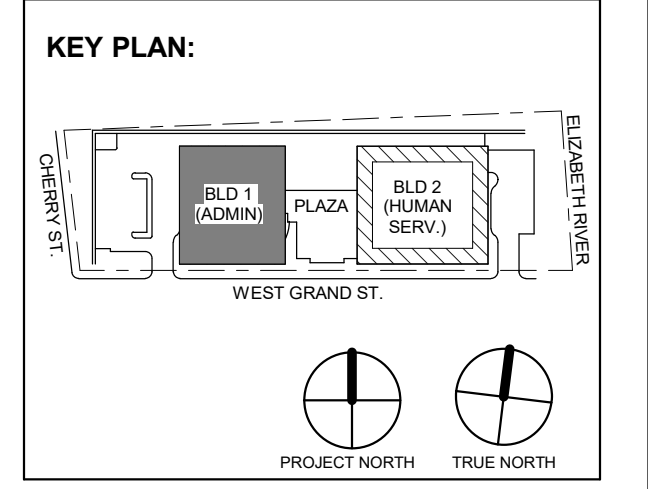
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1 BUILDING NO. 1 - LEVEL 4 - MECHANICAL PIPING PLAN SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"



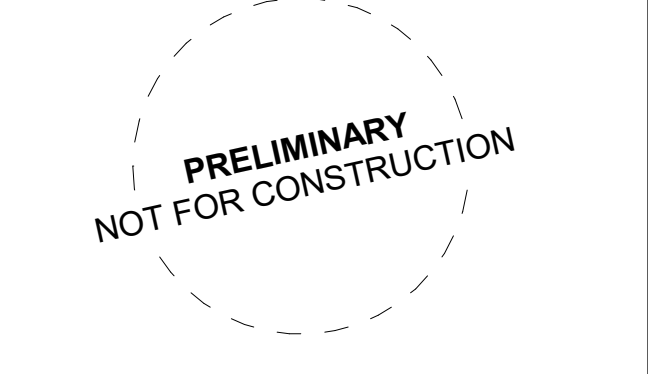
JOHN CHRIS MORRIS III, P.E. ALTERNATE OF THIS DOCUMENT ACCEPTED BY LICENSED PROFESSIONAL ENGINEER. DESIGNED BY: JSK/DKR DRAWN BY: JSK CHECKED BY: JCM REVIEWED BY: JCM PROJECT NO: DGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



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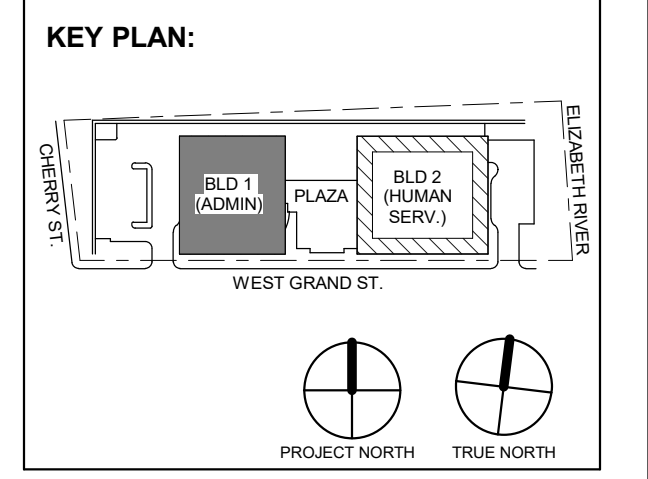
Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

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 - MECHANICAL PIPING PLAN

Sheet No: M-205





Revision table with columns: No., Date, Description, Revisions / Issues. Includes entries for Addendum No. 4 and Addendum No. 3.

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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

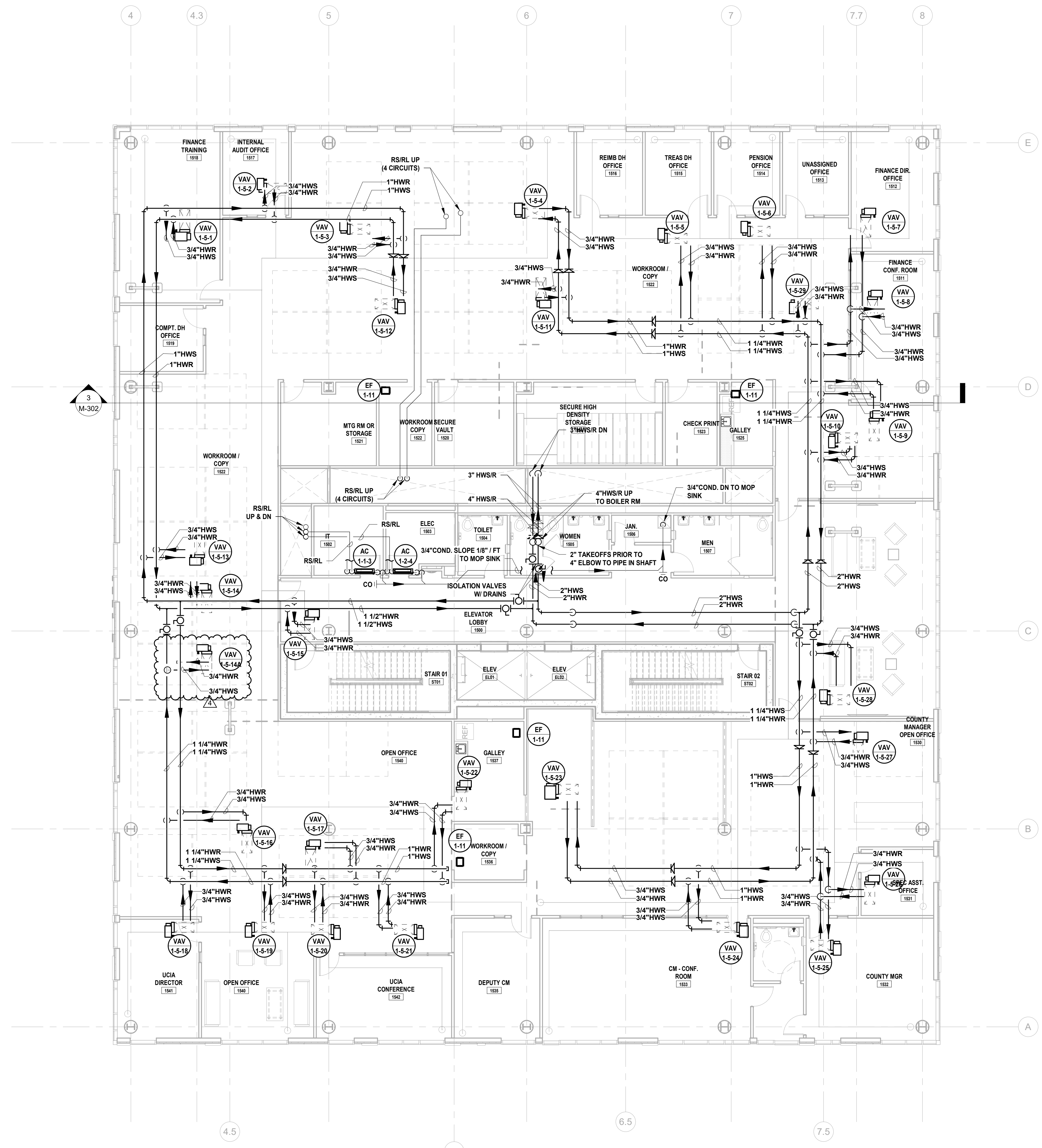
Sheet Name: BUILDING NO. 1 - LEVEL 5 - MECHANICAL PIPING PLAN

Sheet No:

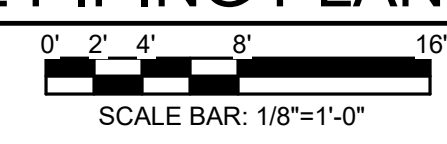
M-206

MECHANICAL SYSTEM NOTES

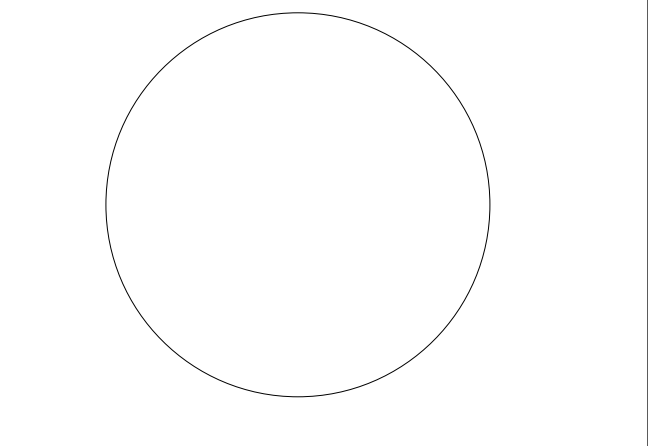
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1 BUILDING NO. 1 - LEVEL 5 - MECHANICAL PIPING PLAN M-206 SCALE: 1/8" = 1'-0"







JOHN CHRIS MORRIS III, P.E. ALTERNATE OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER...

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

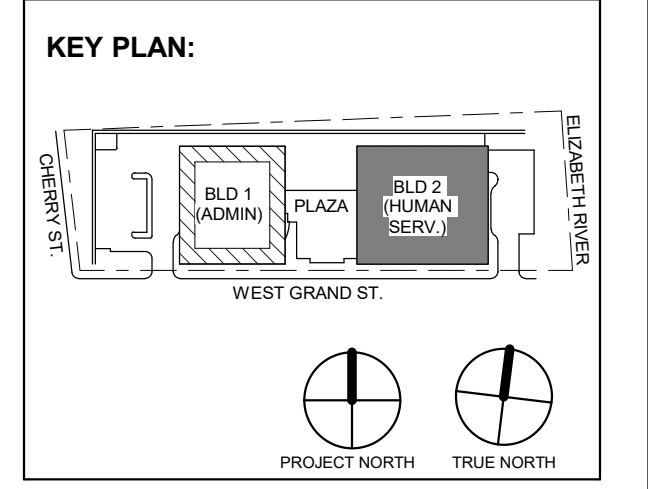


Table with columns: No., Date, Description, Revisions / Issues.

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Client: UNION COUNTY IMPROVEMENT AUTHORITY

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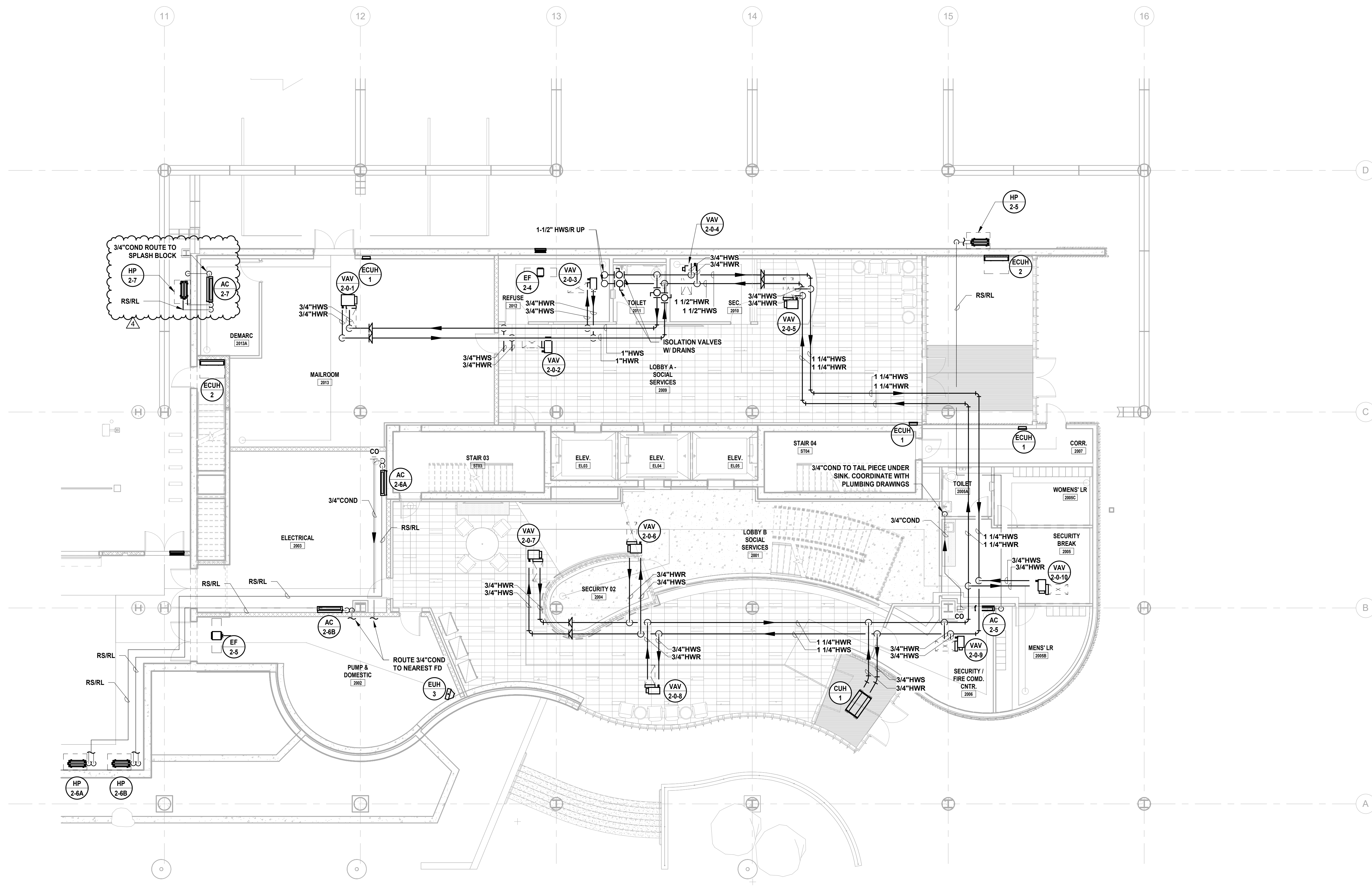
Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JMSH

Sheet Name: BUILDING NO. 2 - LEVEL 0 - MECHANICAL PIPING PLAN

Sheet No: M-210

MECHANICAL SYSTEM NOTES

- 1. GENERAL NOTES: A. REFER TO MECHANICAL LEAD SHEET, M-001 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS THAT PERTAIN TO THE SCOPE OF THIS PROJECT. B. REFER TO DETAIL DRAWINGS FOR MECHANICAL DETAILS PERTAINING TO THIS PROJECT. C. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS. D. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND APPURTENANCES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS. 2. PIPING SYSTEM NOTES: A. CONTRACTOR SHALL FIELD ROUTE FINAL CONNECTIONS TO ALL EQUIPMENT. FINAL CONNECTIONS INCLUDING VALVES AND APPURTENANCES SHALL BE PER PROJECT DETAILS. B. CONTRACTOR SHALL PROVIDE ADDITIONAL ISOLATION VALVES FOR ALL BRANCH PIPING CONTAINING TWO OR MORE VARIABLE AIR VOLUME BOXES. REFER TO SPECIFICATIONS FOR VALVE TYPE AND CHARACTERISTICS BASED ON PIPE SIZE. C. CONTRACTOR SHALL PROVIDE DRAIN VALVES AT MAIN BRANCH ISOLATION VALVES ON EACH FLOOR FOR "MAIN BRANCH ISOLATION." D. CONTRACTOR SHALL PROVIDE AIR VENTS AT ALL HIGH POINTS AND DRAIN VALVES AT ALL LOW POINTS IN THE SYSTEM. E. CONTRACTOR SHALL SLOPE ALL CONDENSATE AT A MINIMUM HORIZONTAL SLOPE OF 1% IN THE DIRECTION OF DISCHARGE. F. CONTRACTOR SHALL PROVIDE FIRE-STOPPING EQUIVALENT TO HILTI SYSTEMS OR APPROVED EQUIVALENT AT ALL PENETRATIONS OF WALLS AND FLOORS. REFER TO SPECIFICATIONS FOR ADDITIONAL FIRE-STOPPING REQUIREMENTS. G. CONTRACTOR SHALL UTILIZE PLENUM RATED MATERIALS FOR ALL CEILING PLENUMS BEING UTILIZED AS RETURN AIR PLENUMS.

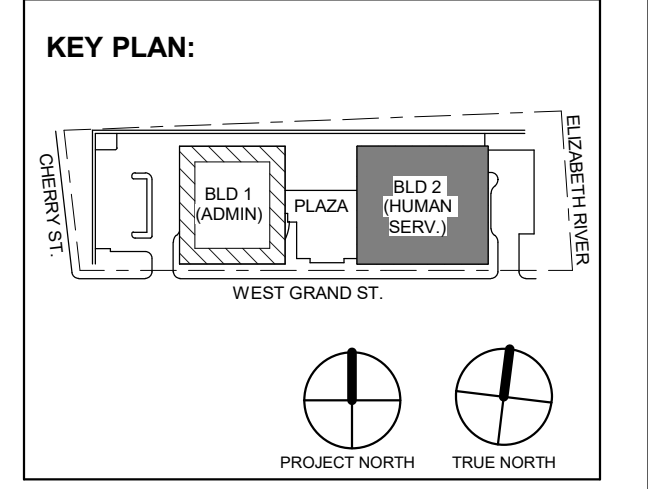
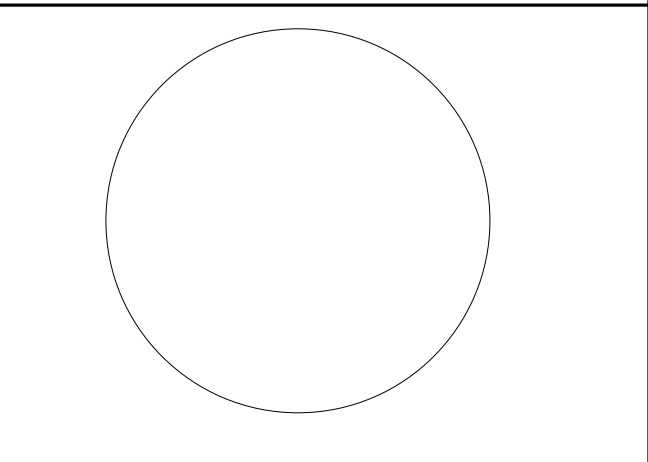
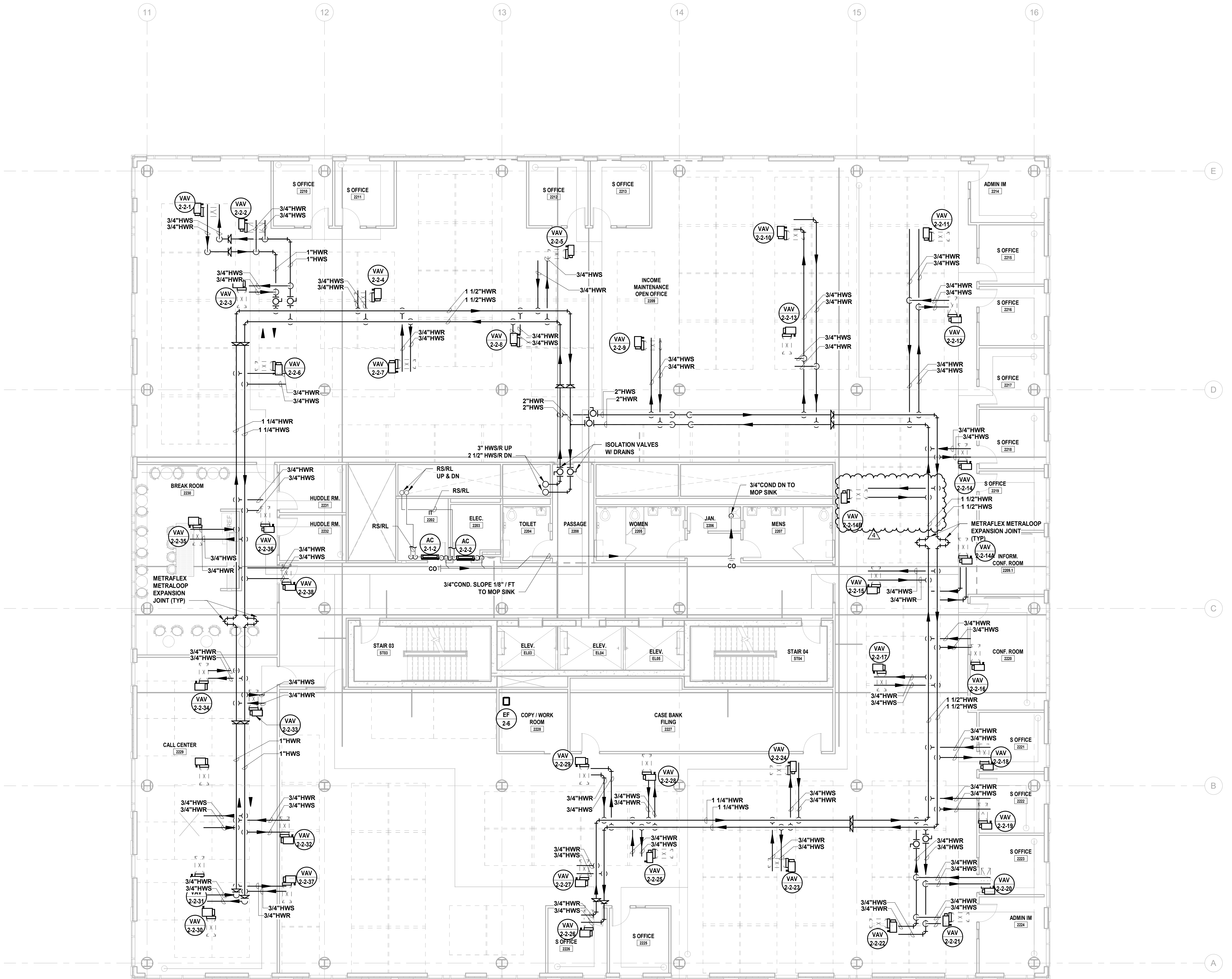


1 BUILDING NO. 2 - LEVEL 0 - MECHANICAL PIPING PLAN M-210 SCALE: 1/8" = 1'-0" SCALE BAR: 1/8"=1'-0"



MECHANICAL SYSTEM NOTES

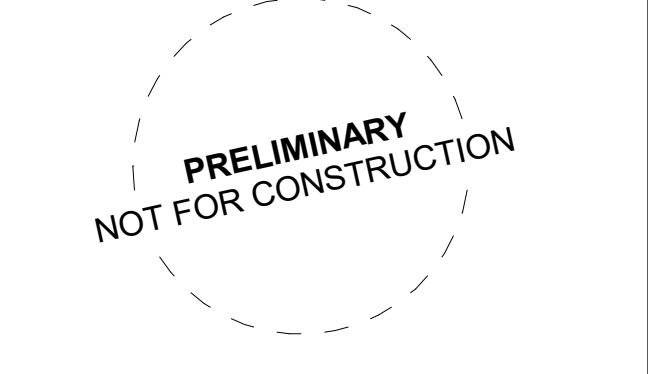
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Revision table with columns for No., Date, Description, and Revisions / Issues. It lists three revisions: 1. 12/22/2023 Addendum No. 4, 2. 12/15/2023 Addendum No. 3, and 3. 11/08/2023 For Public Bid.

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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 2 - MECHANICAL PIPING PLAN

Sheet No:

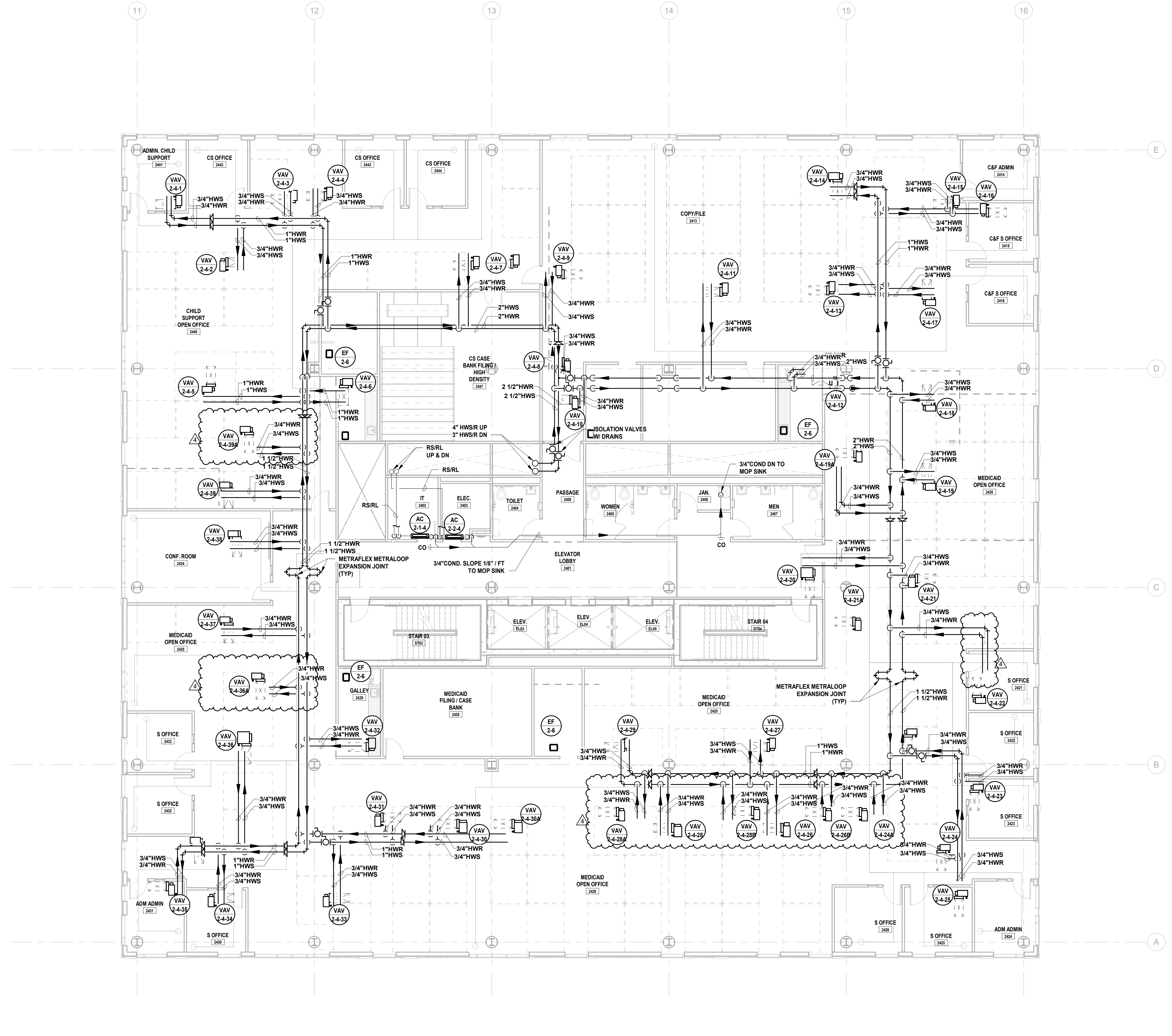
M-212

1 BUILDING NO. 2 - LEVEL 2 - MECHANICAL PIPING PLAN M-212 SCALE: 1/8" = 1'-0" SCALE BAR: 0' 2' 4' 8' 16'



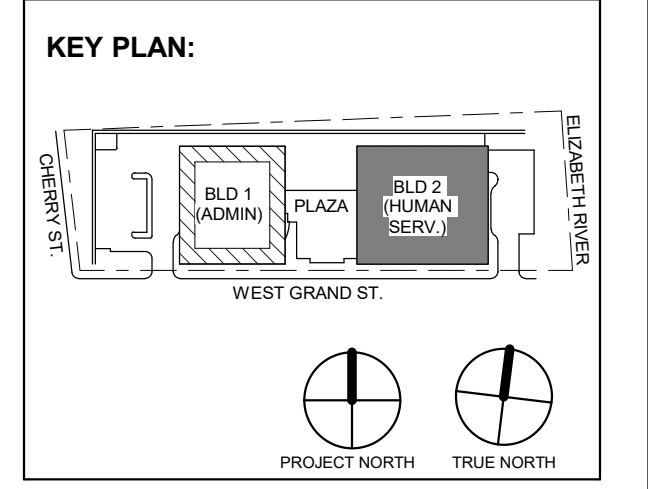
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 NJ Engineering Certificate of Authorization No.: 24GA26019100

**JOHN CHRIS MORRIS III, P.E.**  
 A PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY  
 DESIGNER BY: JSK/DKR DRAWN BY: JSK CHECKED BY: JCM REVIEWED BY: JCM  
 PROJECT NO: DGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



4	12/22/2023	Addendum No. 4
3	12/15/2023	Addendum No. 3
	11/08/2023	For Public Bid
No.	Date	Description
Revisions / Issues		

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 NJ RA AI 00827100

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

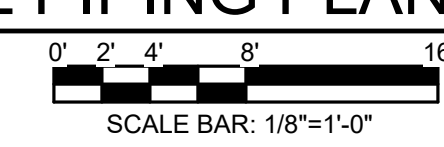
Drawing Information:  
 Project No: 20.072  
 Date: 11/08/2023  
 Drawn By: JBA/VPC  
 Checked By: JMSH

Sheet Name:  
**BUILDING NO. 2 - LEVEL 4 - MECHANICAL PIPING PLAN**

Sheet No:

**M-214**

**1 BUILDING NO. 2 - LEVEL 4 - MECHANICAL PIPING PLAN**  
 M-214 SCALE: 1/8" = 1'-0"



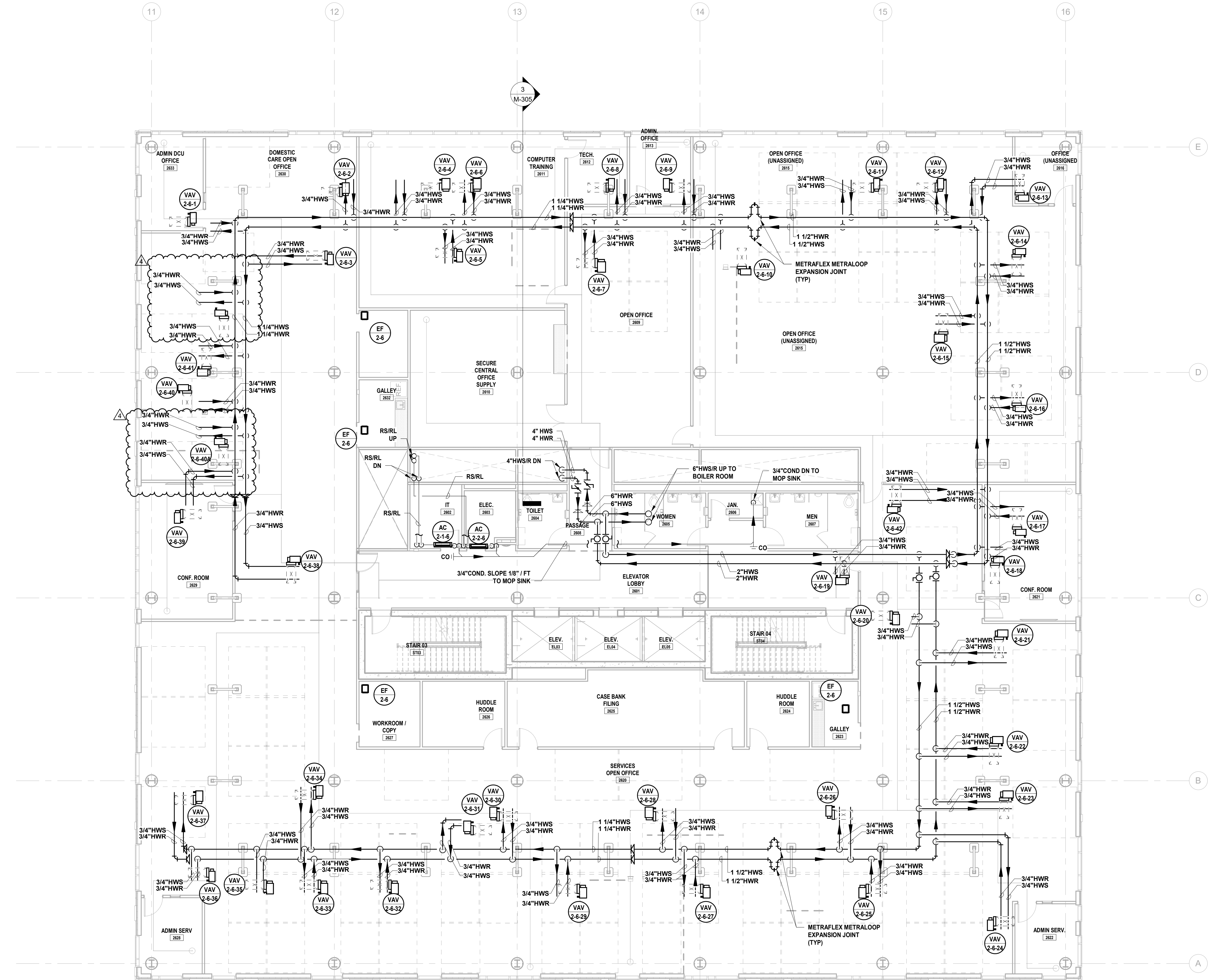






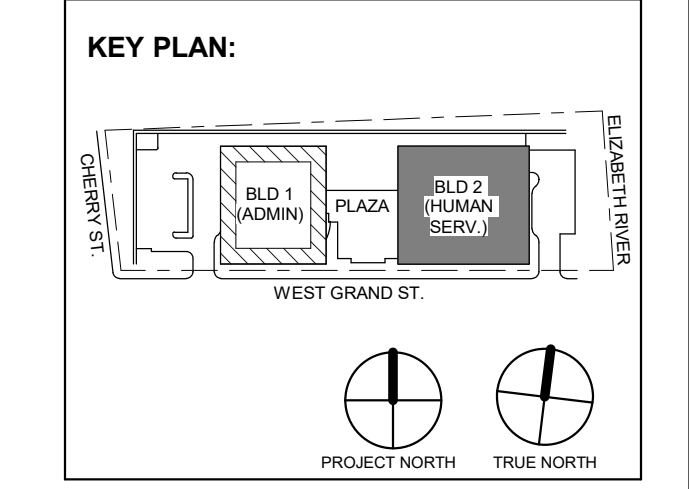
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 NJ Engineering Certificate of Authorization No.: 24GA26019100

**JOHN CHRIS MORRIS III, P.E.**  
 A PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY  
 DESIGNER BY: JSK/DKR (DRAWN BY: DKR) CHECKED BY: JSK REVIEWED BY: JCM  
 PROJECT No: DGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



No.	Date	Description
4	12/22/2023	Addendum No. 4
3	12/15/2023	Addendum No. 3
1	11/08/2023	For Public Bid

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

Drawing Information:  
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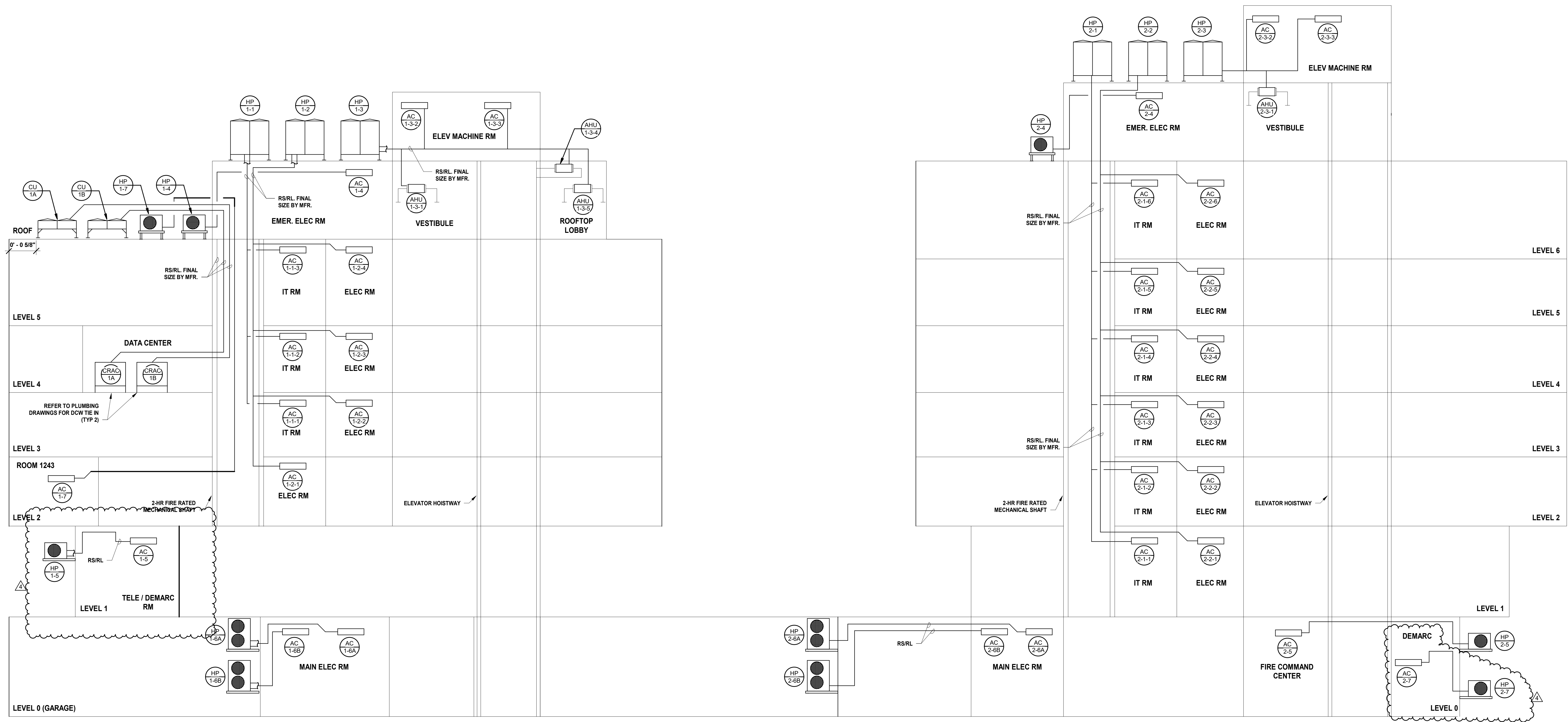
Sheet Name:  
**BUILDING NO. 2 - LEVEL 6 - MECHANICAL PIPING PLAN**

Sheet No:  
**M-216**

**1 BUILDING NO. 2 - LEVEL 6 - MECHANICAL PIPING PLAN**  
 M-216 SCALE: 1/8" = 1'-0"  
 SCALE BAR: 1/8" = 1'-0"



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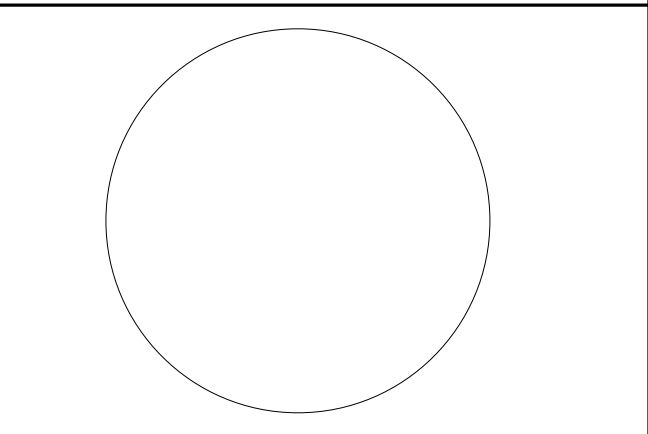


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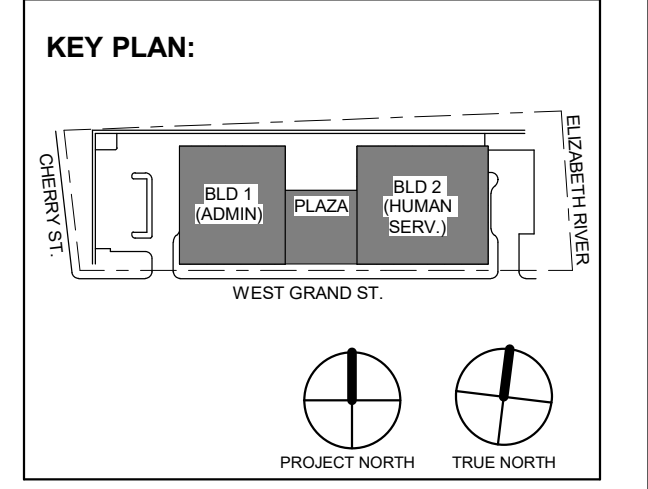
**BUILDING NO. 2**

**MECHANICAL BUILDING NO. 1 & 2  
VRF/SUPPLEMENTAL COOLING  
SYSTEM RISER DIAGRAM**  
SCALE: N.T.S.

1  
M-301



**JOHN CHRIS MORRIS III, P.E.**  
A PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY  
DESIGNED BY: JSK/DKR DRAWN BY: JSK CHECKED BY: JCM REVIEWED BY: JCM  
PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



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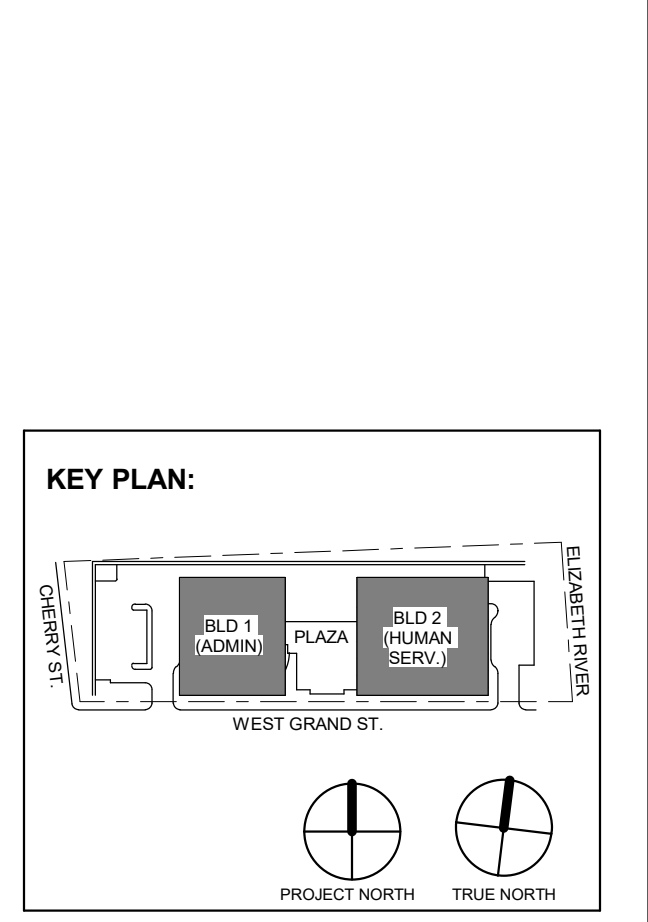
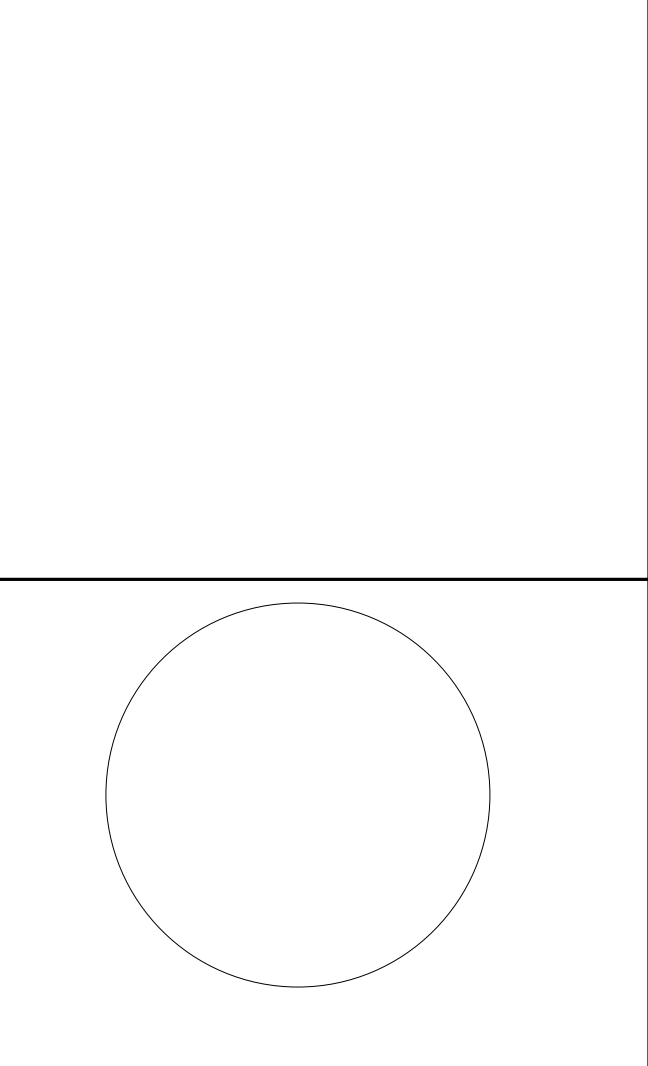
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Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JBA/WPC  
Checked By: JMSH

Sheet Name:  
**BUILDING NO. 1 & 2 - MECHANICAL VRF RISER DIAGRAM**

Sheet No:  
**M-301**





4	12.22.2023	Addendum No. 4
3	12.15.2023	Addendum No. 3
2	12.08.2023	Addendum No. 2
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NEW JERSEY, 07202

Drawing Information:  
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Date: 11.08.2023  
Drawn By: JBAV/PC  
Checked By: JMS/H

Sheet Name:  
**BUILDING NO. 1&2 - MECHANICAL SCHEDULES (2 OF 5)**

Sheet No:  
**M-402**

EXHAUST FAN SCHEDULE													
SYMBOL	SERVICE	LOCATION	CFM	ESP	MOTOR HP	FAN RPM	MOTOR FLA	ELECTRICAL V/PH/Hz	CONTROLLED BY	OPER WEIGHT (LBS)	BASIS OF DESIGN		NOTES
											MANUFACTURER	MODEL...	
EF 1-1	GARAGE EXHAUST	BLDG 1 / LEVEL 0	8750	0.55	2	1725	3.4	460/360	VFD	160	GREENHECK	TDI-3-30-409	1,4,5
EF 1-2	GARAGE EXHAUST	BLDG 1 / LEVEL 0	8750	0.55	2	1725	3.4	460/360	VFD	160	GREENHECK	TDI-3-30-409	1,4,5
EF 1-3	FIRE PUMP RM / WATER SERVICE	BLDG 1 / LEVEL 0	180	0.25	1/4	1210	2.1	208/180	T-STAT	60	GREENHECK	SQ-97-VG	1,5-8
EF 1-4	PARKS & REC STORAGE	BLDG 1 / LEVEL 0	500	0.38	1/4	1210	2.1	208/180	T-STAT	78	GREENHECK	SQ-98-VG	1,3,5-7
EF 1-4A	CORRIDOR	BLDG 1 / LEVEL 0	500	0.39	1/4	1252	2.1	208/180	PRESSURE SENSOR	78	GREENHECK	SQ-99-VG	1,3,5-7
EF 1-5	BLDG 1 GENERAL EXHAUST (TOILETS & JCS)	BLDG 1 ROOF	1695	0.83	1/2	1505	4	208/180	CONTINUOUS	108	GREENHECK	G-160-VG	1,3,5-7
EF 1-6	BLDG 1 BOILER RM VENTILATION	BLDG 1 BOILER RM ROOF	900	0.42	1/4	958	2.1	208/180	T-STAT	40	GREENHECK	G-130-VG	1,3,5-7
EF 1-7	BLDG 1 ELEV SHAFT	BLDG 1 ELEVATOR ROOF	400	0.34	1/10	1297	1	208/180	TEMP SENSOR	64	GREENHECK	G-90-VG	1,3,5-7
EF 1-8	GARAGE BOOSTER FAN	BLDG 1 / LEVEL 0	2120	-	500 W	1680	3	208/180	0-10VDC	110	GREENHECK	GJI-25-LP	1,5
EF 1-9	TOILET EXHAUST	BLDG 1 / LEVEL 0	50	0.32	15 W	900	0.17	115/160	CONTINUOUS	15	GREENHECK	SP-A90	1,9
EF 1-10	BLDG 1 REFUSE	BLDG 1 / LEVEL 1	160	0.27	1/15	1505	1.3	115/160	CONTINUOUS	35	GREENHECK	SQ-70-VG	1,5-8
EF 1-11	COPY ROOMS & GALLEYS	VARIES	100	0.18	18 W	950	0.19	115/160	CONTINUOUS	20	GREENHECK	SP-A110	1,5
EF 2-1	BLDG 2 GENERAL EXHAUST (TOILETS & JCS)	BLDG 2 ROOF	2740	1.41	2	1456	12.5	208/180	CONTINUOUS	134	GREENHECK	G-160-VG	1,3,5-7
EF 2-2	BLDG 2 BOILER RM VENTILATION	BLDG 2 BOILER RM ROOF	900	0.42	1/4	958	1.7	208/180	T-STAT	85	GREENHECK	G-130-VG	1,3,5-7
EF 2-3	BLDG 2 ELEV SHAFT	BLDG 2 ELEVATOR ROOF	400	0.34	1/10	1297	1	208/180	TEMP SENSOR	64	GREENHECK	G-90-VG	1,3,5-7
EF 2-4	BLDG 2 REFUSE	BLDG 2 / LEVEL 0	160	0.27	1/15	1505	1.3	115/160	CONTINUOUS	35	GREENHECK	SQ-70-VG	1,5-8
EF 2-5	BLDG 2 FIRE PUMP/DOMESTIC	BLDG 2 / LEVEL 0	450	0.55	1/6	1596	1.3	208/180	T-STAT	79	GREENHECK	SQ-95-VG	1,3,5-7
EF 2-6	COPY ROOMS & GALLEYS	VARIES	100	0.18	18 W	950	0.19	115/160	CONTINUOUS	20	GREENHECK	SP-A110	1,5

- NOTES:**
- PROVIDE PREMIUM EFFICIENCY MOTORS FOR ALL FANS
  - PROVIDE 14" INSULATED ROOF CURB FOR ROOFTOP EXHAUST FANS
  - PROVIDE VCD-23 PARALLEL BLADE MOTORIZED DAMPER, DAMPER TO BE POWERED BY BMS PANEL, CONTRACTOR TO PROVIDE CONTROLS SUBMITTAL.
  - PROVIDE VFD W/ INTEGRAL DISCONNECT FOR GARAGE EXHAUST FANS.
  - PROVIDE DISCONNECT FOR ALL EF'S
  - PROVIDE SPEED CONTROLLER FOR ALL DIRECT DRIVE FANS
  - MANUFACTURER PROVIDED VARI-GREEN HOA CONTROLLER
  - PROVIDE GRAVITY BACKDRAFT DAMPER
  - PROVIDE WALL CAP WITH BACKDRAFT DAMPER AND BIRDSCREEN

COMPUTER ROOM AIR CONDITIONING UNIT							
SYMBOL	LOCATION	CRAC-1A			CRAC-1B		
		DATA CTR RM 1442	DATA CTR RM 1442		DATA CTR RM 1442	DATA CTR RM 1442	
AIR HANDLER	SUPPLY AIR FAN	CFM	5200	5200			
		E.S.P. (IN.W.G.)	0.5	0.5			
		HP	3.75	3.8			
	ELECTRICAL	VOLTS/PH/Hz	460/360	460/360			
		FLA / MCA	33.4 / 40.8	33.4 / 40.8			
	MOP	45	45				
	WEIGHT	LBS	1370	1370			
	BASIS OF DESIGN	LIEBERT	V9035ADA1EJ	V9035ADA1EJ			
	CONDENSING UNIT	SYMBOL	CU-1A	CU-1B			
			LOCATION	ROOF	ROOF		
REFRIG TYPE		R-407C	R-407C				
DESIGN AMBIENT		DEG F	95	95			
FAN MOTOR TYPE			VARIABLE SPEED EC	VARIABLE SPEED EC			
NO OF FANS		QTY	2	2			
CONDENSER CIRCUITS		QTY	2	2			
ELECTRICAL		VOLTS/PH/Hz	460/360	460/360			
		FLA / MCA	2.8 / 3.3	2.8 / 3.3			
MOP		15.0	15.0				
WEIGHT	LBS	270.0	270.0				
BASIS OF DESIGN	LIEBERT	MCS056E8AD	MCS056E8AD				
COOLING AT 72 F DB 50%RH	MBH	TOTAL	124.7	124.7			
	SENS.		110.8	110.8			
	EVAP COIL ROWS	NO. OF ROWS	6	6			
	MAX FACE VELOCITY	FFM	450	450			
SCR ELECTRIC REHEAT COIL	CAPACITY	MBH	61.2	61.2			
		KW	15 (3-STAGE)	15 (3-STAGE)			
		VOLTS/PH/Hz	460/360	460/360			
	ELECTRICAL	FLA	NOTE 1	NOTE 1			
		MOP	NOTE 1	NOTE 1			
		LBSHR	11	11			
CANNISTER HUMIDIFIER	CAPACITY SYSTEM PWR.	KW	-	-			
		COMPLIANCE	ASME A112.1.2	ASME A112.1.2			
		REMARKS	SEE NOTES BELOW	SEE NOTES BELOW			

- NOTES:**
- ELECTRICAL REQUIREMENTS FOR ELECTRIC REHEAT ARE INCLUDED IN MCA AND MOP FOR THE AIR HANDLING UNIT.
  - SEE SPECIFICATION SHEETS FOR EQUIPMENT SPECIFICATIONS AND ACCESSORIES.
  - UNIT SHALL BE SUPPLIED WITH INTEGRAL CONTROLLER WITH BACNET COMMUNICATION CARD. CONTRACTOR SHALL PROVIDE INTERLOCK WIRING BETWEEN CRAC UNIT AND THE CONDENSING UNIT.
  - PROVIDE 34" HIGH SUPPLY AIR DISCHARGE PLENUM WITH SUPPLY GRILLES. PROVIDE COMPRESSOR EXTENSION WITH TOP PANEL.
  - PROVIDE 65 KA SCRR RATING ON AHU AND CONDENSING UNIT.
  - PROVIDE 4" MERV 8 FILTER WITH FILTER CLOG DETECTION ALARM.
  - PROVIDE DIGITAL SCROLL COMPRESSOR WITH ROTOLOCKS, VARIABLE CAPACITY (20% MIN), CRANKCASE HEATER AND LOW SOUND PACKAGE (COMPRESSOR SOUND JACKET AND ADDITIONAL PANEL INSULATION.)
  - PROVIDE LOCKING DISCONNECT SWITCH FOR AHU AND FUSED, LOCKABLE DISCONNECT BY UNIT MANUFACTURER.
  - PROVIDE DUAL FLOAT CONDENSATE PUMP, REMOTE SHUTDOWN TERMINAL, ALARM CONTACT, POINT LEAK SENSOR PER UNIT.
  - MANUFACTURER PROVIDED BRACING KIT.

AIR TERMINAL DEVICE SCHEDULE											
SYMBOL	SERVICE	TYPE	CFM RANGE	NECK SIZE	N.C	FACE OVERALL DIMENSIONS WxL (IN.)	BASIS OF DESIGN		NOTES		
							MANUFACTURER	MODEL...			
CD-1	SUPPLY	LAY-IN	0-175	8"ø	20	24x24	KRUEGER	PLQ	1-7,12		
CD-2	SUPPLY	LAY-IN	176-250	8"ø	20	24x24	KRUEGER	PLQ	1-7,12		
CD-3	SUPPLY	LAY-IN	251-400	10"ø	20	24x24	KRUEGER	PLQ	1-7,12		
CD-4	SUPPLY	LAY-IN	401-550	12"ø	22	24x24	KRUEGER	PLQ	1-7,12		
CD-5	SUPPLY	LAY-IN	551-740	14"ø	22	24x24	KRUEGER	PLQ	1-7,12		
CD-6	SUPPLY	LAY-IN	741-1000	8"ø	20	24x24	KRUEGER	SPLQ	1-7,12		
CD-7	SUPPLY	LAY-IN	251-400	10"ø	20	24x24	KRUEGER	SPLQ	1-7,12		
CD-8	SUPPLY	LAY-IN	50-150	8"ø	20	12x12	KRUEGER	SPLQ	1-7,12		
SG-4	SUPPLR	DUCT MTD	1000-4000	46x22	35	48x24	KRUEGER	880	1,2,6		
LD-1	SUPPLY	SEE DWG	150-250	8"ø	28	1" SLOT WIDTH x 4' LENGTH	KRUEGER	2-SLOT 1900BOOT	1,3,5-9,12,13		
LR-1	RETURN	SEE DWG	0-400	-	28	1" SLOT WIDTH x 4' LENGTH	KRUEGER	2-SLOT 1900BOOT	1,2,6-10		
RG-1	RETURN	LAY-IN	0-1600	22x22	25	24x24	KRUEGER	880	1,2,6,7,10		
RG-2	RETURN	LAY-IN	140-250	10x10	-	12x12	KRUEGER	880	1,2,6,7,10		
RG-3	RETURN	SURFACE MTD	0-800	16x16	25	18x18	KRUEGER	880	1,2,6,7,10		
RG-4	RETURN	SURFACE MTD	0-4500	54x24	25	56x26	KRUEGER	880	1,2,6,7,10		
ER-1	EXHAUST	LAY-IN	0-75	6x6	-	12x12	KRUEGER	5580	1,2,6,7,11		
ER-2	EXHAUST	LAY-IN	76-140	8x8	-	12x12	KRUEGER	5580	1,2,6,7,11		
ER-3	EXHAUST	LAY-IN	140-250	10x10	-	12x12	KRUEGER	5580	1,2,6,7,11		

- NOTES:**
- REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
  - MOUNTING FRAME TYPE SHALL BE COORDINATED WITH THE CEILING/WALL CONSTRUCTION TYPE.
  - FLEXIBLE DUCTS CONNECTING TO THE DIFFUSERS SHALL BE FULL SIZE OF NECK DIAMETER AND NOT EXCEED 4' IN LENGTH.
  - DIFFUSERS SHALL BE 4-WAY BLOW UNLESS OTHERWISE INDICATED ON PLANS
  - PROVIDE SQUARE TO ROUND NECK ADAPTERS IF REQUIRED
  - ALL GRILLES MOUNTED IN CEILINGS, SOFFITS, OR WALLS SHALL HAVE BAKED WHITE ENAMEL FINISH OR COLOR AS SELECTED BY ARCHITECT. FINAL COLORS TO BE DETERMINED POST AWARD. ALL GRILLES MOUNTED.
  - REFER TO ARCHITECTS REFLECTED CEILING PLANS FOR ALL FINAL LOCATIONS OF DIFFUSERS AND GRILLES
  - WHERE LINEAR DIFFUSERS ARE INSTALLED END-TO-END, PROVIDE END CONNECTIONS SUCH THAT THERE IS A CONTINUOUS APPEARANCE
  - PROVIDE MUD FRAMES (TAPE & SPACKLE) FOR ALL LINEAR DIFFUSERS (LD & LR) LOCATED WITH GYP CEILING.
  - PROVIDE LIGHT SCREEN / RETURN BAFFLE
  - PROVIDE CONSTANT AIRFLOW REGISTERS ON ALL EXHAUST GRILLES AS NOTED ON PLAN. BASIS OF DESIGN: POTTOFF CAR.
  - PROVIDE ROTO-TWIST DAMPERS FOR ALL AIR DEVICES DEEMED INACCESSIBLE. REFER TO "ROTO-TWIST DETAIL"
  - PLENUM BOXES FOR LINEAR AIR DEVICES SHALL BE ACOUSTICALLY LINED. REFER TO INSULATION SCHEDULE.

STAIRWELL PRESSURIZATION FAN SCHEDULE											
SYMBOL	SERVICE	LOCATION	CFM	ESP	FAN RPM	MOTOR HP	ELECTRICAL V/PH/Hz	OPER WEIGHT (LBS)	BASIS OF DESIGN		NOTES
									MANUFACTURER	MODEL...	
SFP 2-1	STAIR 3	BLDG 2 ROOF	8000	2	989	5	460/360	443	GREENHECK	USF-27	1-12
SFP 2-2	STAIR 4	BLDG 2 ROOF	8000	2	989	5	460/360	443	GREENHECK	USF-27	1-12

- NOTES:**
- PROVIDE INLET SCREEN
  - MOUNT ON NEW ROOF MOUNTED EQUIPMENT SUPPORT RAILS WITH HOUSED SPRING ISOLATORS
  - PROVIDE FACTORY MOUNTED DISCONNECT SWITCH. SWITCH SHALL INCLUDE CONTACTS TO IDENTIFY SWITCH OPEN/CLOSE POSITION.
  - ALL FANS ARE TO BE INTERLOCKED INTO THE BMS. REFER TO SEQUENCE OF OPERATIONS FOR FAN OPERATION
  - PROVIDE ROTARY BELT TENSIONER
  - PROVIDE INVERTER DUTY PREMIUM EFFICIENCY MOTOR WITH SHAFT GROUNDING RING FOR USE WITH VFD'S.
  - PROVIDE 2.0 SERVICE FACTOR
  - PROVIDE CLASS 2 FAN
  - PROVIDE MOTOR COVER WITH HINGED ACCESS DOOR
  - PROVIDE STEEL DRAIN
  - PROVIDE TOP HORIZONTAL DISCHARGE
  - PROVIDE DIFFERENTIAL PRESSURE SENSORS ON LEVEL 1 & LEVEL 3.

HEAT PUMP SCHEDULE																		
UNIT	MFR	MODEL	STYLE	SERVING	REFRIGERANT	SUPPLY AIRFLOW CFM (HML)	TOTAL COOLING CAP (MBH)	TOTAL HEATING CAP (MBH)	WEIGHT (LBS)	OUTDOOR UNIT					NOTES			
										UNIT	MODEL	EFFICIENCY SEER2	HSPF2	V/PH/Hz		MCA	MOCQ (A)	WEIGHT (LBS)
AC 1-4	LG	LSN363HLV3	WALL MOUNTED - DUCTLESS	BLDG 1 - EMERGENCY ELEC RM	R410A	1,095 / 883 / 742 / 601	33	35.7	50	HP 1-4	LSU363HLV3	19	7.9	208-230/160	23	30	160	1-9
AC 1-5	LG	LSN363HLV3	WALL MOUNTED - DUCTLESS	BLDG 1 - TELE / DEMARC	R410A	1,095 / 883 / 742 / 601	33	35.7	50	HP 1-4	LSU363HLV3	19	7.9	208-230/160	23	30	160	1-9
AC 1-6A	LG	LSN363HLV3	WALL MOUNTED - DUCTLESS	BLDG 1 - MAIN ELEC RM	R410A	1,095 / 883 / 742 / 601	33	35.7	50	HP 1-6A	LSU363HLV3	19	7.9	208-230/160	23	30	160	1-9
AC 1-6B	LG	LSN363HLV3	WALL MOUNTED - DUCTLESS	BLDG 1 - MAIN ELEC RM	R410A	1,095 / 883 / 742 / 601	33	35.7	50	HP 1-6B	LSU363HLV3	19	7.9	208-230/160	23	30	160	1-9
AC 1-7	LG	LSN243HLV3	WALL MOUNTED - DUCTLESS	BLDG 2 - ROOM 1243	R410A	813 / 601 / 495 / 389	22	26	36	HP 2-7	LSU243HLV3	22	9.5	208-230/160	19	30	135	1-9
AC 2-4	LG	LSN363HLV3	WALL MOUNTED - DUCTLESS	BLDG 2 - EMER ELEC RM	R410A	1,095 / 883 / 742 / 602	33	35.7	50	HP 2-4	LSU363HLV3	19	7.9	208-230/161	23	30	160	1-9
AC 2-5	LG	LSN120HSV5	WALL MOUNTED - DUCTLESS	BLDG 2 - FC CENTER	R410A	459 / 335 / 317 / 194	12	13	25	HP 2-5	LSU120HSV5	22	10	208-230/16				



VARIABLE AIR VOLUME (VAV) TERMINAL UNIT SCHEDULE

Table with columns: SYMBOL, RTU, CFM (COOL MAX, COOLING/HEATING, HEAT MAX), HOT WATER COIL (MIN NET CAP, EAT, LAT, GPM, EWT, LWT), CONTROL POWER, BASIS OF DESIGN (MNF, MODEL NUMBER), NOTES. Rows include VAV 1-0-1 through VAV 1-2-23.

- NOTES:
1. PROVIDE ALL VAV BOXES W/ CONTROLS TRANSFORMER. DDC CONTROL VIA EXISTING BMS. INTERLOCK WITH OPERATION OF EXISTING ROOFTOP UNIT.
2. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH
3. MANUFACTURER PROVIDED SOUND ATTENUATION
4. 2-WAY VALVE PACKAGE, MATCH EXISTING BMS MANUFACTURER AND FACTORY INSTALL ON VAV BOX.
5. VERIFY COIL HANDEDNESS IN FIELD

VARIABLE AIR VOLUME (VAV) TERMINAL UNIT SCHEDULE

Table with columns: SYMBOL, RTU, CFM (COOL MAX, COOLING/HEATING, HEAT MAX), HOT WATER COIL (MIN NET CAP, EAT, LAT, GPM, EWT, LWT), CONTROL POWER, BASIS OF DESIGN (MNF, MODEL NUMBER), NOTES. Rows include VAV 1-4-1 through VAV 1-4-27.

- NOTES:
1. PROVIDE ALL VAV BOXES W/ CONTROLS TRANSFORMER. DDC CONTROL VIA EXISTING BMS. INTERLOCK WITH OPERATION OF EXISTING ROOFTOP UNIT.
2. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH
3. MANUFACTURER PROVIDED SOUND ATTENUATION
4. 2-WAY VALVE PACKAGE, MATCH EXISTING BMS MANUFACTURER AND FACTORY INSTALL ON VAV BOX.
5. VERIFY COIL HANDEDNESS IN FIELD

VARIABLE AIR VOLUME (VAV) TERMINAL UNIT SCHEDULE

Table with columns: SYMBOL, RTU, CFM (COOL MAX, COOLING/HEATING, HEAT MAX), HOT WATER COIL (MIN NET CAP, EAT, LAT, GPM, EWT, LWT), CONTROL POWER, BASIS OF DESIGN (MNF, MODEL NUMBER), NOTES. Rows include VAV 1-3-1 through VAV 1-3-27.

- NOTES:
1. PROVIDE ALL VAV BOXES W/ CONTROLS TRANSFORMER. DDC CONTROL VIA EXISTING BMS. INTERLOCK WITH OPERATION OF EXISTING ROOFTOP UNIT.
2. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH
3. MANUFACTURER PROVIDED SOUND ATTENUATION
4. 2-WAY VALVE PACKAGE, MATCH EXISTING BMS MANUFACTURER AND FACTORY INSTALL ON VAV BOX.
5. VERIFY COIL HANDEDNESS IN FIELD

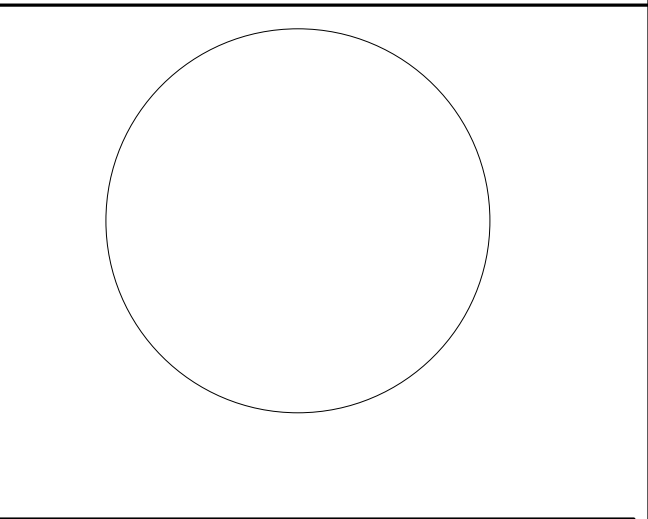
VARIABLE AIR VOLUME (VAV) TERMINAL UNIT SCHEDULE

Table with columns: SYMBOL, RTU, CFM (COOL MAX, COOLING/HEATING, HEAT MAX), HOT WATER COIL (MIN NET CAP, EAT, LAT, GPM, EWT, LWT), CONTROL POWER, BASIS OF DESIGN (MNF, MODEL NUMBER), NOTES. Rows include VAV 1-5-1 through VAV 1-5-29.

- NOTES:
1. PROVIDE ALL VAV BOXES W/ CONTROLS TRANSFORMER. DDC CONTROL VIA EXISTING BMS. INTERLOCK WITH OPERATION OF EXISTING ROOFTOP UNIT.
2. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH
3. MANUFACTURER PROVIDED SOUND ATTENUATION
4. 2-WAY VALVE PACKAGE, MATCH EXISTING BMS MANUFACTURER AND FACTORY INSTALL ON VAV BOX.
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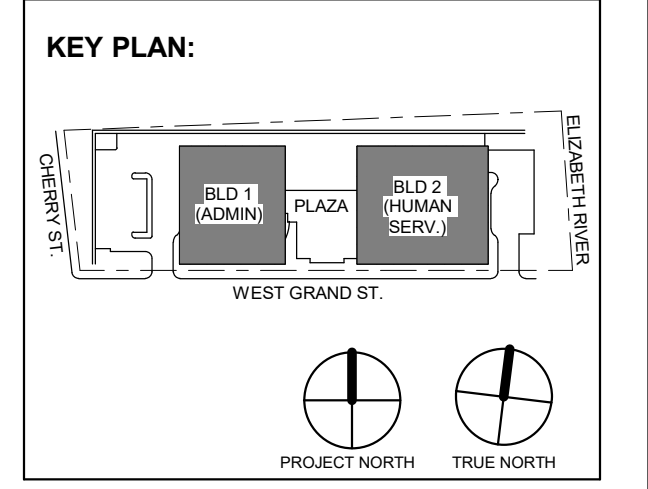
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PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



Revision table with columns: No., Date, Description, Revisions / Issues. Includes entries for Addendum No. 4, 3, 2.

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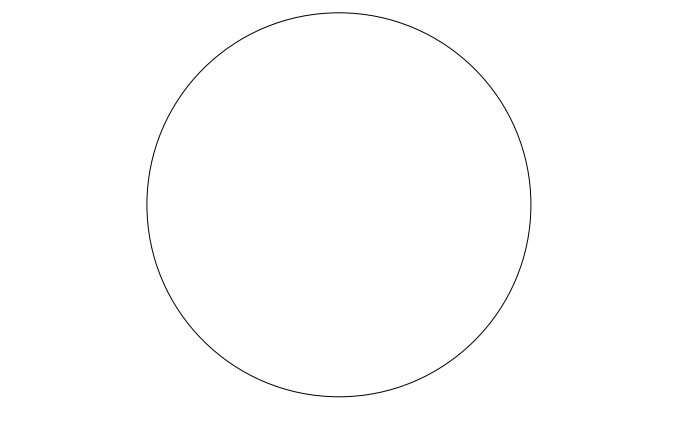
Project: UNION COUNTY GOVERNMENT COMPLEX
81 & 83 WEST GRAND STREET
CITY OF ELIZABETH
NEW JERSEY, 07202

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Project No: 20.072
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Sheet Name: BUILDING NO. 1&2 - MECHANICAL SCHEDULES (3 OF 5)

Sheet No: M-403

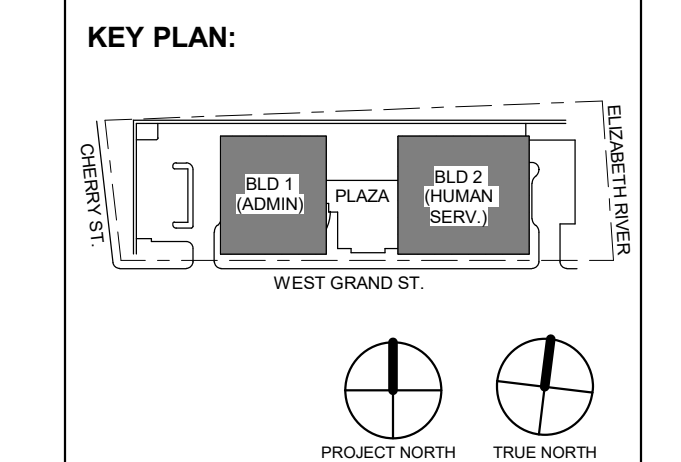




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PROJECT No: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



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

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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: BUILDING NO. 1&2 - MECHANICAL SCHEDULES (4 OF 5)

Sheet No:

M-404

VARIABLE AIR VOLUME (VAV) TERMINAL UNIT SCHEDULE

Table with columns: SYMBOL, RTU, CFM, COOLING/HEATING, HEAT MAX, MIN NET CAP, EAT, LAT, GPM, EWT, LWT, CONTROL POWER, BASIS OF DESIGN, NOTES. Rows include VAV 2-0-1 through VAV 2-1-25.

- NOTES: 1. PROVIDE ALL VAV BOXES W/ CONTROLS TRANSFORMER. DDC CONTROL VIA EXISTING BMS. INTERLOCK WITH OPERATION OF EXISTING ROOFTOP UNIT. 2. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH. 3. MANUFACTURER PROVIDED SOUND ATTENUATION. 4. 2-WAY VALVE PACKAGE. MATCH EXISTING BMS MANUFACTURER AND FACTORY INSTALL ON VAV BOX. 5. VERIFY COIL HANDEDNESS IN FIELD.

VARIABLE AIR VOLUME (VAV) TERMINAL UNIT SCHEDULE

Table with columns: SYMBOL, RTU, CFM, COOLING/HEATING, HEAT MAX, MIN NET CAP, EAT, LAT, GPM, EWT, LWT, CONTROL POWER, BASIS OF DESIGN, NOTES. Rows include VAV 2-2-1 through VAV 2-2-38.

- NOTES: 1. PROVIDE ALL VAV BOXES W/ CONTROLS TRANSFORMER. DDC CONTROL VIA EXISTING BMS. INTERLOCK WITH OPERATION OF EXISTING ROOFTOP UNIT. 2. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH. 3. MANUFACTURER PROVIDED SOUND ATTENUATION. 4. 2-WAY VALVE PACKAGE. MATCH EXISTING BMS MANUFACTURER AND FACTORY INSTALL ON VAV BOX. 5. VERIFY COIL HANDEDNESS IN FIELD.

VARIABLE AIR VOLUME (VAV) TERMINAL UNIT SCHEDULE

Table with columns: SYMBOL, RTU, CFM, COOLING/HEATING, HEAT MAX, MIN NET CAP, EAT, LAT, GPM, EWT, LWT, CONTROL POWER, BASIS OF DESIGN, NOTES. Rows include VAV 2-3-1 through VAV 2-3-38.

- NOTES: 1. PROVIDE ALL VAV BOXES W/ CONTROLS TRANSFORMER. DDC CONTROL VIA EXISTING BMS. INTERLOCK WITH OPERATION OF EXISTING ROOFTOP UNIT. 2. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH. 3. MANUFACTURER PROVIDED SOUND ATTENUATION. 4. 2-WAY VALVE PACKAGE. MATCH EXISTING BMS MANUFACTURER AND FACTORY INSTALL ON VAV BOX. 5. VERIFY COIL HANDEDNESS IN FIELD.

VARIABLE AIR VOLUME (VAV) TERMINAL UNIT SCHEDULE

Table with columns: SYMBOL, RTU, CFM, COOLING/HEATING, HEAT MAX, MIN NET CAP, EAT, LAT, GPM, EWT, LWT, CONTROL POWER, BASIS OF DESIGN, NOTES. Rows include VAV 2-4-1 through VAV 2-4-39A.

- NOTES: 1. PROVIDE ALL VAV BOXES W/ CONTROLS TRANSFORMER. DDC CONTROL VIA EXISTING BMS. INTERLOCK WITH OPERATION OF EXISTING ROOFTOP UNIT. 2. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH. 3. MANUFACTURER PROVIDED SOUND ATTENUATION. 4. 2-WAY VALVE PACKAGE. MATCH EXISTING BMS MANUFACTURER AND FACTORY INSTALL ON VAV BOX. 5. VERIFY COIL HANDEDNESS IN FIELD.



VARIABLE AIR VOLUME (VAV) TERMINAL UNIT SCHEDULE

Table with columns: SYMBOL, RTU, CFM, HOT WATER COIL, CONTROL POWER, BASIS OF DESIGN, NOTES. Lists various VAV units (VAV 2-5-1 to VAV 2-5-36) with their specifications.

- VAV NOTES:
1. PROVIDE ALL VAV BOXES W/ CONTROLS TRANSFORMER. DDC CONTROL VIA EXISTING BMS. INTERLOCK WITH OPERATION OF EXISTING ROOFTOP UNIT.
2. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH
3. MANUFACTURER PROVIDED SOUND ATTENUATION
4. 2-WAY VALVE PACKAGE, MATCH EXISTING BMS MANUFACTURER AND FACTORY INSTALL ON VAV BOX.
5. VERIFY COIL HANDEDNESS IN FIELD

VARIABLE AIR VOLUME (VAV) TERMINAL UNIT SCHEDULE

Table with columns: SYMBOL, RTU, CFM, HOT WATER COIL, CONTROL POWER, BASIS OF DESIGN, NOTES. Lists various VAV units (VAV 2-6-1 to VAV 2-6-41A) with their specifications.

- VAV NOTES:
1. PROVIDE ALL VAV BOXES W/ CONTROLS TRANSFORMER. DDC CONTROL VIA EXISTING BMS. INTERLOCK WITH OPERATION OF EXISTING ROOFTOP UNIT.
2. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH
3. MANUFACTURER PROVIDED SOUND ATTENUATION
4. 2-WAY VALVE PACKAGE, MATCH EXISTING BMS MANUFACTURER AND FACTORY INSTALL ON VAV BOX.
5. VERIFY COIL HANDEDNESS IN FIELD

REFRIGERANT DENSITY CALCULATION

Table with columns: SYSTEM, REFR. TYPE, TOTAL REFR. AMOUNT (LBS), SMALLEST ROOM ZONE, ZONE SMALLEST SPACE, ZONE SMALLEST SPACE, TOTAL AREA (SQFT), ZONE SMALLEST SPACE, TOTAL, REFR. DENSITY (LB/1000FT^3). Lists calculations for various systems like CU-1.1, HP-1.4, etc.

- NOTES:
1. LINE LENGTHS ARE ESTIMATED BY MANUFACTURER VRF DESIGN SOFTWARE. REFRIGERANT LINE LENGTHS, SIZES & CHARGES TO BE VERIFIED BY EQUIPMENT MANUFACTURER.
2. CONTRACTOR TO NOTIFY ENGINEER IF ADDITIONAL SYSTEM CHARGE IS REQUIRED.

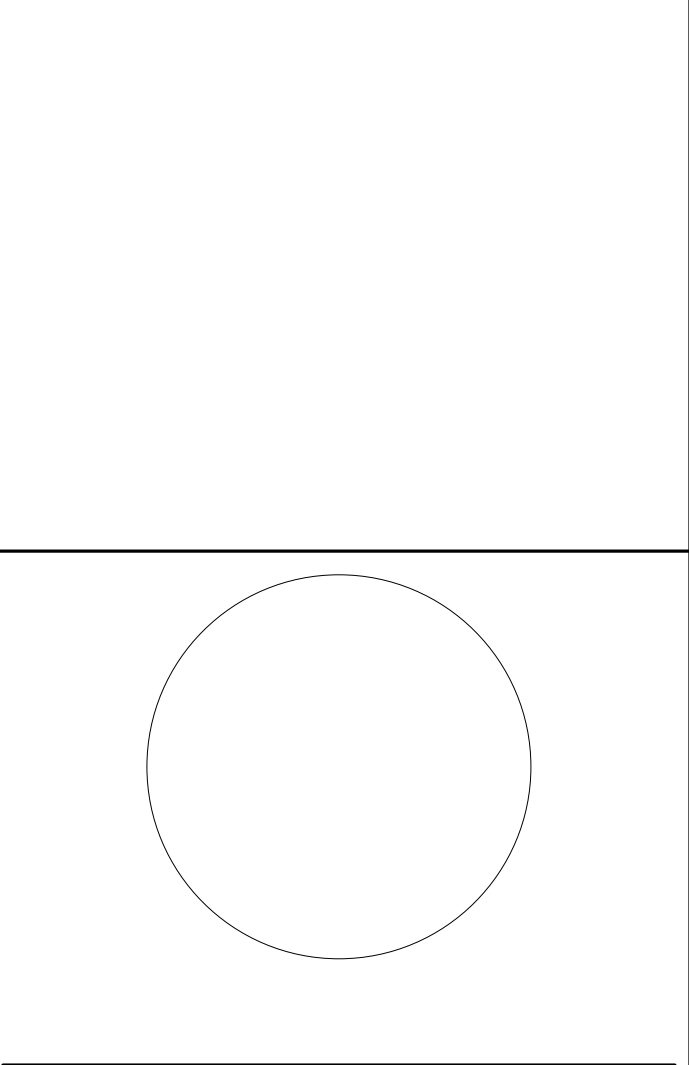
VRF SYSTEM - HEAT PUMP SCHEDULE

Table with columns: UNIT, MFR, MODEL, STYLE, SERVING, SUPPLY AIRFLOW CFM (H/W/L), OUTSIDE AIRFLOW CFM, EXTERNAL STATIC PRESSURE (IN W.C.), TOTAL COOLING CAP (MBH), SENSIBLE COOLING CAP (MBH), TOTAL HEATING CAP (MBH), ELECTRICAL, WEIGHT (LBS), UNIT, MODEL, REFR. CHARGE, RATED COOLING CAPACITY (MBH), RATED HEATING CAPACITY (MBH), EFFICIENCY, ELECTRICAL, WEIGHT (LBS), NOTES. Lists various VRF units and their specifications.

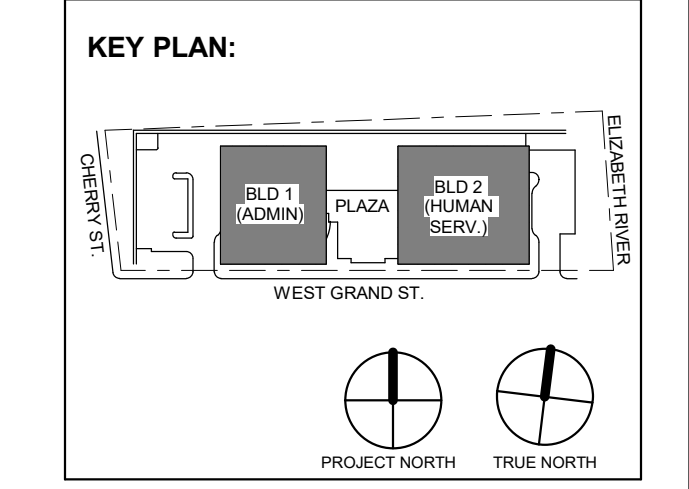
- NOTES:
1. PROVIDE ELECTRICAL DISCONNECT SWITCH - INDOOR AND OUTDOOR UNITS
2. PROVIDE ALL INTERCONNECTING CONTROL WIRE, REFRIGERANT PIPING, AND OUTDOOR UNITS.
3. PROVIDE INDOOR UNIT WITH WALL MOUNTED TEMPERATURE CONTROLS. PROVIDE TAMPERPROOF ENCLOSURES FOR ALL THERMOSTATS LOCATED IN HIGH TRAFFIC AREAS PRONE TO DAMAGE AND TAMPERING.
4. PROVIDE LOW AMBIENT COOLING KITS.
5. PROVIDE EQUIPMENT SUPPORTS PER OUTDOOR UNIT. REFER EQUIPMENT SUPPORT DETAIL.
6. ALL DUCTED UNITS SHALL BE PROVIDED WITH MERV 8 FILTERS W/ REPLACEMENT FILTERS PER UNIT. PROVIDE WASHABLE FILTERS FOR WALL MOUNT TYPE UNITS
7. PROVIDE DRAIN PAN LEVEL SENSORS IN EVAPORATOR DRAIN PANS. INSTALL STAINLESS STEEL SECONDARY DRAIN PAN WITH FLOAT SWITCH UNDER ALL DUCTED UNITS, AND ANY UNITS POSITIONED OVER ELECTRICAL EQUIPMENT. FLOAT SWITCH TO SHUT DOWN UNIT AND ALARM BMS UPON WATER DETECTION.
8. PROVIDE FACTORY MOUNTED BACKET CONTROLLERS PER UNIT. ALL UNITS SHALL BE TIED INTO THE BUILDING MANAGEMENT SYSTEM.
9. REFRIGERANT CHARGE SHOWN IS BASED ON DAIKIN SELECTION SOFTWARE. PROVIDE TOTAL REFRIGERANT CHARGE OF SYSTEM ON SUBMITTAL.
10. PROVIDE BUILT IN CONDENSATE PUMP FOR ALL EVAPORATING UNITS

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



4 12.22.2023 Addendum No. 4
3 12.15.2023 Addendum No. 3
2 12.08.2023 Addendum No. 2
1 11.08.2023 For Public Bid

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. 1&2 - MECHANICAL SCHEDULES (5 OF 5)

Sheet No:
M-405

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BUILDING-1 VENTILATION SCHEDULE (RTU 1-1)

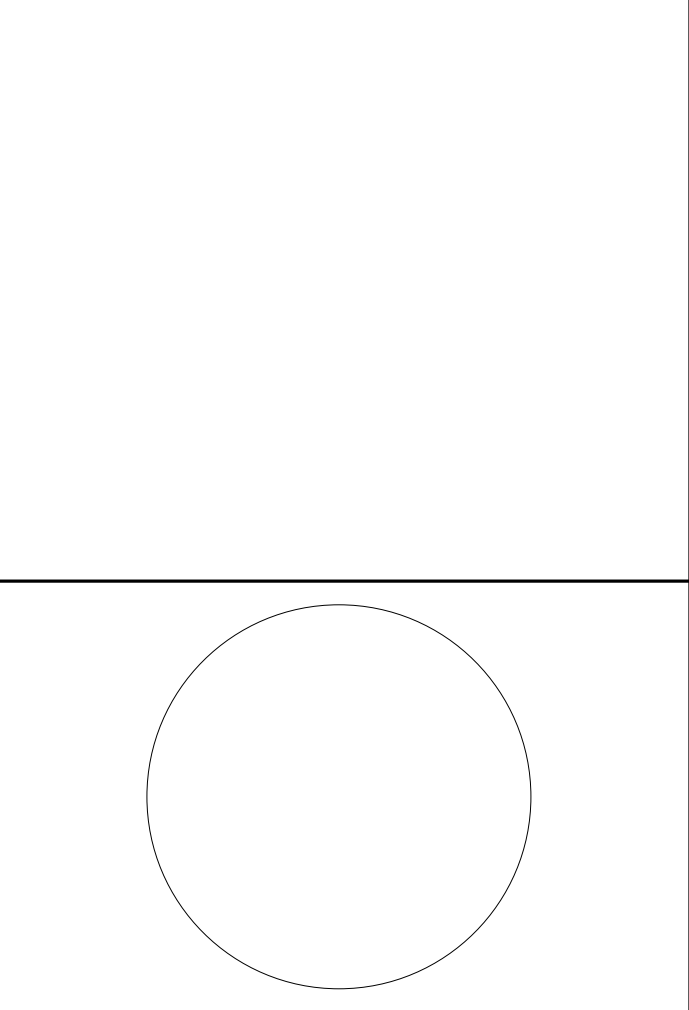
Table with 12 columns: ROOM #, OCCUPANCY CLASSIFICATION, FLOOR AREA (SF), NUMBER OF OCCUPANTS, OCCUPANT BASED OA RATE (CFM/OCCUPANT), AREA BASED OUTSIDE AIR RATE (CFM/SF), ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez), TOTAL UNCORRECTED OA REQUIRED (CFM), TOTAL CORRECTED OA REQUIRED (CFM), AREA BASED EXHAUST RATE (CFM/FIXTURE), REQUIRED EXHAUST (CFM), NOTES. Rows include LOUNGE, STORAGE, OFFICE, CAFETERIA, VENDING, etc.

BUILDING-1 VENTILATION SCHEDULE (RTU-1-2)

Table with 12 columns: ROOM #, OCCUPANCY CLASSIFICATION, FLOOR AREA (SF), NUMBER OF OCCUPANTS, OCCUPANT BASED OA RATE (CFM/OCCUPANT), AREA BASED OUTSIDE AIR RATE (CFM/SF), ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez), TOTAL UNCORRECTED OA REQUIRED (CFM), TOTAL CORRECTED OA REQUIRED (CFM), AREA BASED EXHAUST RATE (CFM/FIXTURE), REQUIRED EXHAUST (CFM), NOTES. Rows include LOBBY, TOILET, JANITORS CLOSET, OFFICE, BREAK ROOM, CONFERENCE, RECORDING, etc.

NOTE: ALL OCCUPANCIES PROVIDED ARE BASED ON ARCHITECTURAL FURNITURE PLANS

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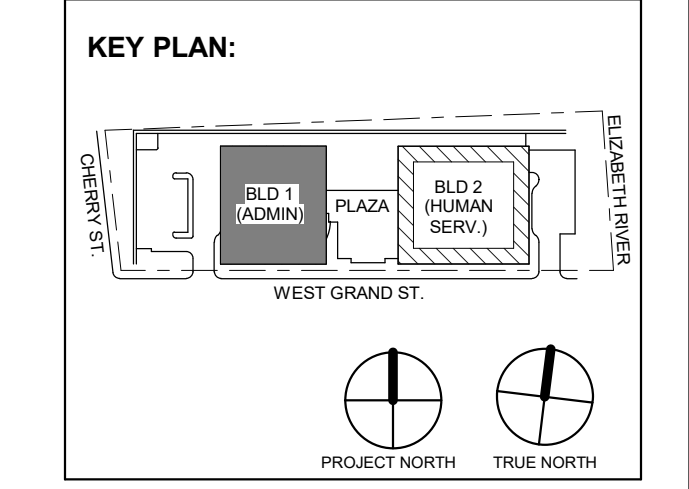
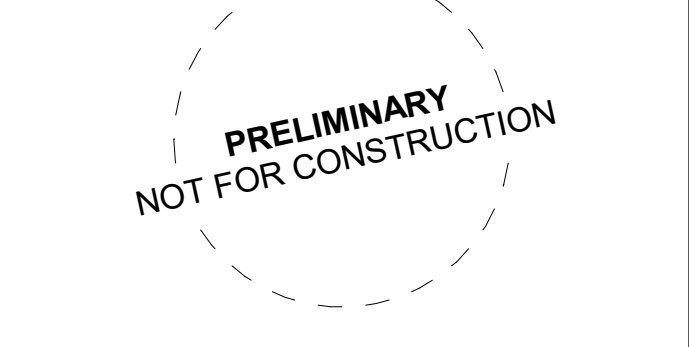


Table with 3 columns: No., Date, Description. Row 1: 4, 12.22.2023, Addendum No. 4. Row 2: 11.08.2023, For Public Bid.

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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 - MECHANICAL SCHEDULES (1 OF 3)

Sheet No: M-406



**BUILDING-1 VENTILATION SCHEDULE (RTU 1-3)**

ROOM #	OCCUPANCY CLASSIFICATION	FLOOR AREA (SF)	NUMBER OF OCCUPANTS	OCCUPANT BASED OA RATE (CFM/OCCUPANT)	AREA BASED OUTSIDE AIR RATE (CFM/SF)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	TOTAL UNCORRECTED OA REQUIRED (CFM)	TOTAL CORRECTED OA REQUIRED (CFM)	AREA BASED EXHAUST RATE (CFM/ FIXTURE)	REQUIRED EXHAUST (CFM)	NOTES
1301	LOBBY	894	1	5	0.06	0.8	59	73	-	-	-
1304	TOILET	68	-	-	-	-	0	0	50	50	-
1305	TOILET	137	-	-	-	-	0	0	50	100	-
1306	JANITORS CLOSET	37	-	-	-	-	0	0	50	50	-
1307	TOILET	137	-	-	-	-	0	0	50	100	-
1310	OFFICE	4510	36	5	0.06	0.8	451	563	-	-	△
1311	OFFICE	242	2	5	0.06	0.8	25	31	-	-	-
1312	OFFICE	128	1	5	0.06	0.8	13	16	-	-	-
1313	OFFICE	126	1	5	0.06	0.8	13	16	-	-	-
1314	OFFICE	127	1	5	0.06	0.8	13	16	-	-	-
1315	CONFERENCE	407	8	5	0.06	0.8	64	81	-	-	-
1316	STORAGE	295	0	0	0.12	0.8	35	44	-	-	-
1317	OFFICE	154	1	5	0.06	0.8	14	18	-	-	-
1318	STORAGE	368	0	0	0.12	0.8	44	55	-	-	-
1319	BREAK RM	101	1	5	0.06	0.8	11	14	-	-	-
1320	OFFICE	3466	21	5	0.06	0.8	313	391	-	-	-
1321	CONFERENCE	162	4	5	0.06	0.8	30	37	-	-	-
1322	OFFICE	269	9	5	0.06	0.8	61	76	-	-	△
1323	OFFICE	109	1	5	0.06	0.8	12	14	-	-	-
1324	OFFICE	203	2	5	0.06	0.8	22	28	-	-	-
1325	OFFICE	114	1	5	0.06	0.8	12	15	-	-	-
1326	OFFICE	126	1	5	0.06	0.8	13	16	-	-	△
1327	OFFICE	111	1	5	0.06	0.8	12	15	-	-	-
1328	OFFICE	113	1	5	0.06	0.8	12	15	-	-	-
1329	LIBRARY	216	6	5	0.06	0.8	43	54	-	-	△
1330	OFFICE	108	1	5	0.06	0.8	11	14	-	-	-
1331	OFFICE	110	1	5	0.06	0.8	12	15	-	-	-
1332	OFFICE	110	1	5	0.06	0.8	12	15	-	-	-
1333	OFFICE	129	1	5	0.06	0.8	13	16	-	-	△
1334	OFFICE	231	2	5	0.06	0.8	24	30	-	-	-
1335	OFFICE	115	1	5	0.06	0.8	12	15	-	-	-
1336	OFFICE	113	1	5	0.06	0.8	12	15	-	-	-
1337	OFFICE	111	1	5	0.06	0.8	12	15	-	-	-
1338	OFFICE	113	1	5	0.06	0.8	12	15	-	-	-
1339	OFFICE	115	1	5	0.06	0.8	12	15	-	-	-
1340	BREAK RM	113	1	5	0.06	0.8	12	15	-	-	-
1341	STORAGE	176	0	0	0.12	0.8	21	26	-	-	-
1342	STORAGE	285	0	0	0.12	0.8	34	43	-	-	-
1343	OFFICE	68	1	5	0.06	0.8	9	11	-	-	-
1351	CONFERENCE	512	18	5	0.06	0.8	121	151	-	-	△

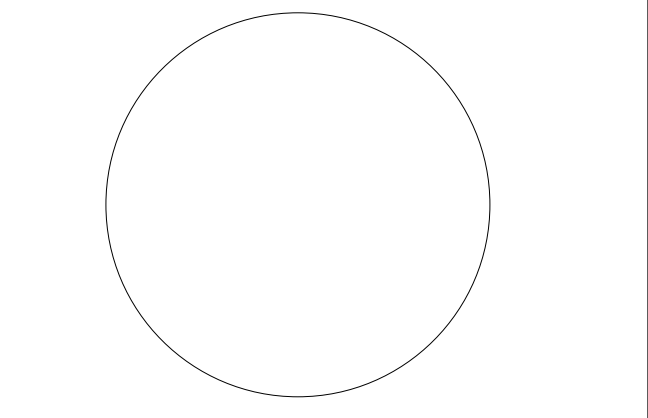
NOTE: ALL OCCUPANCIES PROVIDED ARE BASED ON ARCHITECTURAL FURNITURE PLANS

**BUILDING-1 VENTILATION SCHEDULE (RTU 1-4)**

ROOM #	OCCUPANCY CLASSIFICATION	FLOOR AREA (SF)	NUMBER OF OCCUPANTS	OCCUPANT BASED OA RATE (CFM/OCCUPANT)	AREA BASED OUTSIDE AIR RATE (CFM/SF)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	TOTAL UNCORRECTED OA REQUIRED (CFM)	TOTAL CORRECTED OA REQUIRED (CFM)	AREA BASED EXHAUST RATE (CFM/ FIXTURE)	REQUIRED EXHAUST (CFM)	NOTES
1401	LOBBY	770	1	5	0.06	0.8	51	64	-	-	-
1404	TOILET	68	-	-	-	-	8	10	50	50	-
1405	TOILET	137	-	-	-	-	16	21	50	100	-
1406	JANITORS CLOSET	37	-	-	-	-	0	0	50	50	-
1407	TOILET	137	-	-	-	-	16	21	50	100	-
1410	OFFICE	5171	14	5	0.06	0.8	380	475	-	-	△
1411	OFFICE	130	1	5	0.06	0.8	13	16	-	-	-
1412	OFFICE	130	1	5	0.06	0.8	13	16	-	-	-
1413	OFFICE	243	2	5	0.06	0.8	25	31	-	-	-
1414	OFFICE	130	1	5	0.06	0.8	13	16	-	-	-
1415	OFFICE	116	1	5	0.06	0.8	12	15	-	-	-
1416	OFFICE	115	1	5	0.06	0.8	12	15	-	-	-
1417	OFFICE	115	1	5	0.06	0.8	12	15	-	-	-
1418	STORAGE	117	0	0	0.06	0.8	7	9	-	-	-
1419	OFFICE	94	1	5	0.06	0.8	11	13	-	-	-
1420	CONFERENCE	114	4	5	0.06	0.8	27	34	-	-	△
1421	STORAGE	143	0	0	0.12	0.8	17	21	-	-	-
1422	BREAK ROOM	90	1	5	0.06	0.8	10	13	-	-	-
1423	CONFERENCE	421	18	5	0.06	0.8	115	144	-	-	-
1430	OFFICE	2416	46	5	0.06	0.8	375	469	-	-	△
1431	OFFICE	116	1	5	0.06	0.8	12	15	-	-	-
1432	OFFICE	228	2	5	0.06	0.8	24	30	-	-	-
1433	OFFICE	115	1	5	0.06	0.8	12	15	-	-	-
1434	BREAK ROOM	124	1	5	0.06	0.8	12	16	-	-	-
1435	CONFERENCE	436	18	5	0.06	0.8	116	145	-	-	-
1436	STORAGE	221	0	0	0.12	0.8	27	33	-	-	-
1437	CONFERENCE	161	5	5	0.06	0.8	35	43	-	-	-
1438	OFFICE	123	1	5	0.06	0.8	12	15	-	-	-
1440	OFFICE	1960	16	5	0.06	0.8	198	247	-	-	△
1441	OFFICE	137	1	5	0.06	0.8	13	17	-	-	-

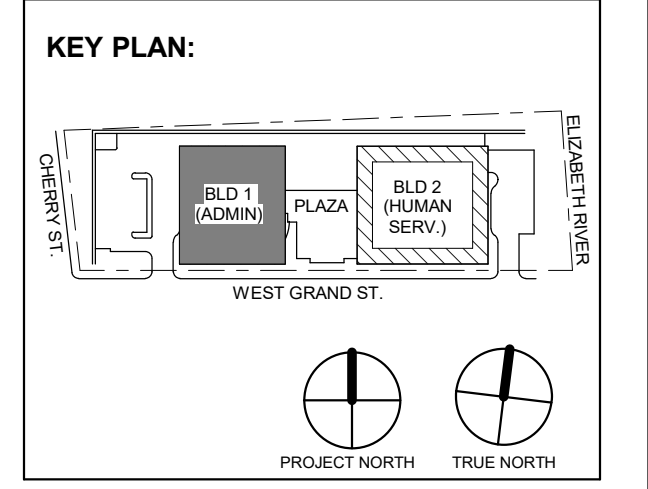
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Project No: 20.072  
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Sheet Name:  
**BUILDING NO. 1 - MECHANICAL SCHEDULES (2 OF 3)**

Sheet No:

**M-407**

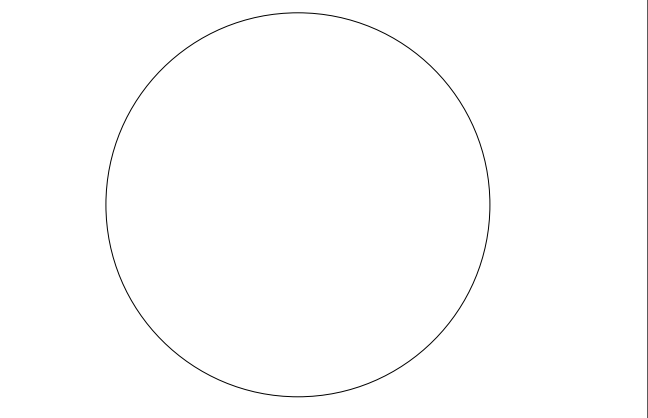


**BUILDING-1 VENTILATION SCHEDULE (RTU1-5)**

ROOM #	OCCUPANCY CLASSIFICATION	FLOOR AREA (SF)	NUMBER OF OCCUPANTS	OCCUPANT BASED OA RATE (CFM/OCCUPANT)	AREA BASED OUTSIDE AIR RATE (CFM/SF)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	TOTAL UNCORRECTED OA REQUIRED (CFM)	TOTAL CORRECTED OA REQUIRED (CFM)	AREA BASED EXHAUST RATE (CFM/FIXTURE)	REQUIRED EXHAUST (CFM)	NOTES
1500	LOBBY	1518	1	5	0.06	0.8	96	120	-	-	-
1501	LOUNGE	803	12	5	0.06	0.8	108	135	-	-	-
1504	TOILET	68	-	-	-	-	8	10	50	50	-
1505	TOILET	137	-	-	-	-	16	21	50	100	-
1506	JANITORS CLOSET	37	-	-	-	-	0	0	50	50	-
1507	TOILET	137	-	-	-	-	16	21	50	100	-
1510	OFFICE	4516	24	5	0.06	0.8	391	488	-	-	-
1511	CONFERENCE	290	9	5	0.06	0.8	62	78	-	-	-
1512	OFFICE	232	2	5	0.06	0.8	24	30	-	-	-
1513	OFFICE	130	1	5	0.06	0.8	13	16	-	-	-
1514	OFFICE	133	1	5	0.06	0.8	13	16	-	-	-
1515	OFFICE	130	1	5	0.06	0.8	13	16	-	-	-
1516	OFFICE	121	1	5	0.06	0.8	12	15	-	-	-
1517	OFFICE	1	1	5	0.06	0.8	13	16	-	-	-
1518	OFFICE	411	12	5	0.06	0.8	85	106	-	-	-
1519	OFFICE	130	1	5	0.06	0.8	13	16	-	-	-
1520	STORAGE	149	0	0	0.12	0.8	18	22	-	-	-
1521	STORAGE	181	5	5	0.06	0.8	36	45	-	-	-
1522	OFFICE	103	1	5	0.06	0.8	11	14	-	-	-
1523	STORAGE	96	0	0	0.12	0.8	12	14	-	-	-
1524	STORAGE	279	0	0	0.12	0.8	33	42	-	-	-
1525	BREAK ROOM	100	1	5	0.06	0.8	11	14	-	-	-
1530	OFFICE	1775	7	5	0.06	0.8	142	177	-	-	-
1531	OFFICE	115	1	5	0.06	0.8	12	15	-	-	-
1532	OFFICE	363	2	5	0.06	0.8	32	40	-	-	-
1533	CONFERENCE	603	20	5	0.06	0.8	136	170	-	-	-
1534	TOILET	61	-	-	-	-	-	-	50	-	-
1534a	TOILET VESTIBULE	74	0	0	0.12	0.8	9	11	-	-	-
1535	OFFICE	219	2	5	0.06	0.8	23	29	-	-	-
1536	OFFICE	90	1	5	0.06	0.8	10	13	-	-	-
1537	BREAK ROOM	184	2	5	0.06	0.8	21	26	-	-	-
1540	OFFICE	2014	22	5	0.06	0.8	231	287	-	-	-
1541	OFFICE	223	2	5	0.06	0.8	24	30	-	-	-
1542	CONFERENCE	274	11	5	0.06	0.8	71	89	-	-	-

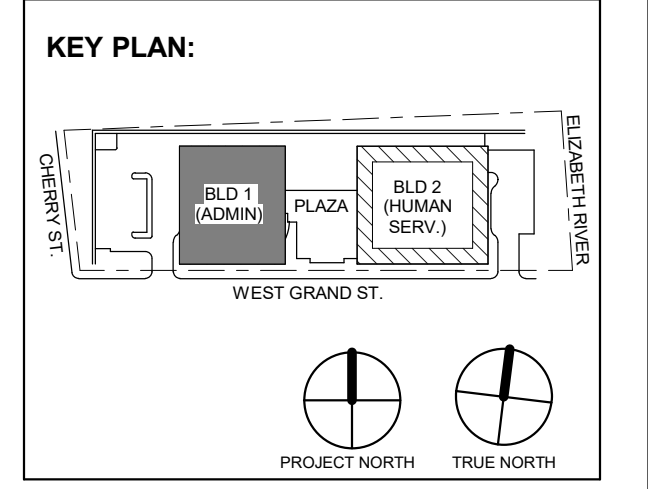
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	11/08/2023	For Public Bid

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

Sheet Name:  
**BUILDING NO. 1 - MECHANICAL SCHEDULES (3 OF 3)**

Sheet No:

**M-408**



BUILDING-2 VENTILATION SCHEDULE (RTU 2-1)

Table with columns: ROOM #, ROOM DESCRIPTION, FLOOR AREA (SQFT), TOTAL OCCUPANTS, PEOPLE OA RATE (CFM/PERSON), AREA OUTDOOR AIR RATE (CFM/SQFT), EZ, UNCORR. CFM, DESIGN CFM, AREA BASED EXHAUST RATE (CFM/FIXTURE), REQUIRED EXHAUST (CFM), NOTES. Rows include rooms 2000 through 2126.

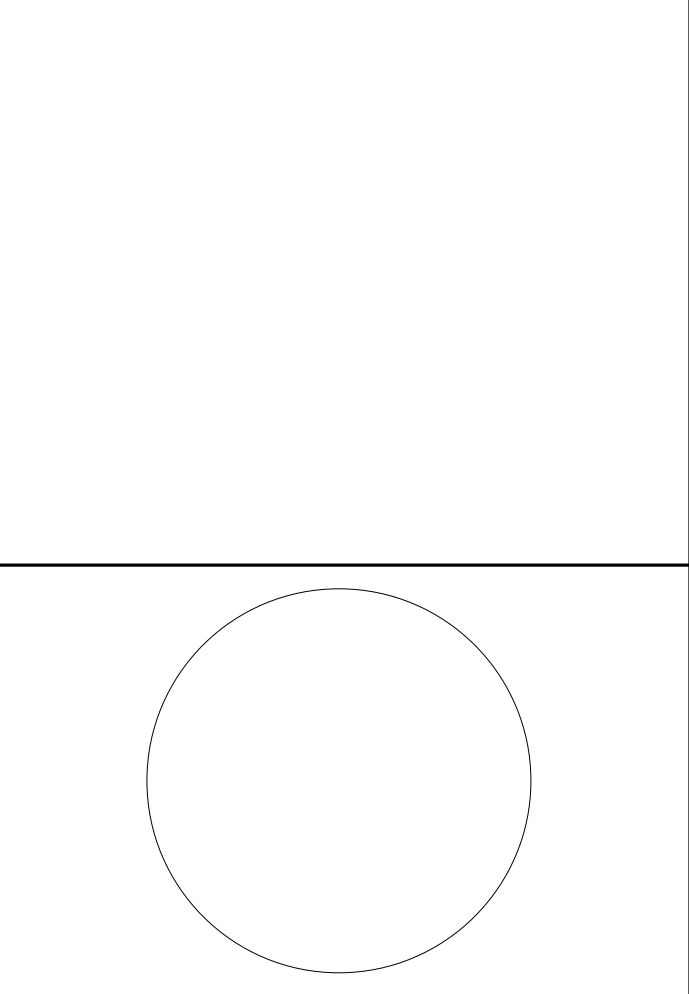
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BUILDING-2 VENTILATION SCHEDULE (RTU 2-2)

Table with columns: ROOM #, OCCUPANCY CLASSIFICATION, FLOOR AREA (SF), NUMBER OF OCCUPANTS, OCCUPANT BASED OA RATE (CFM/OCCUPANT), AREA BASED OUTSIDE AIR RATE (CFM/SF), ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez), TOTAL UNCORRECTED OA REQUIRED (CFM), TOTAL CORRECTED OA REQUIRED (CFM), AREA BASED EXHAUST RATE (CFM/FIXTURE), REQUIRED EXHAUST (CFM), NOTES. Rows include rooms 2201 through 2232.

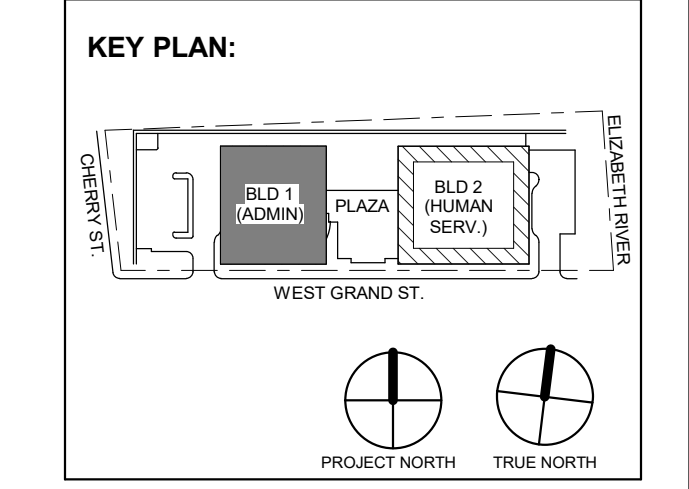
NOTE: ALL OCCUPANCIES PROVIDED ARE BASED ON ARCHITECTURAL FURNITURE PLANS

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

DESIGNED BY: JSK/DKR DRAWN BY: DKR CHECKED BY: JSK REVIEWED BY: JCM PROJECT NO: DIGA2301 DATE: 11/08/2023 SCALE: AS SHOWN



Revision table with columns: No., Date, Description. Shows revisions 1, 2, 3, and 4.

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Jeffrey D. Venezia, AIA NJ RA AI 00827100

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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 - MECHANICAL SCHEDULES (1 OF 4)

Sheet No:

M-409



**BUILDING-2 VENTILATION SCHEDULE (RTU 2-3)**

ROOM #	OCCUPANCY CLASSIFICATION	FLOOR AREA (SF)	NUMBER OF OCCUPANTS	OCCUPANT BASED OA RATE (CFM/OCCUPANT)	AREA BASED OUTSIDE AIR RATE (CFM/SF)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	TOTAL UNCORRECTED OA REQUIRED (CFM)	TOTAL CORRECTED OA REQUIRED (CFM)	AREA BASED EXHAUST RATE (CFM/FIXTURE)	REQUIRED EXHAUST (CFM)	NOTES
2301	LOBBY	862	0	5	0.06	0.8	52	65	-	-	-
2304	TOILET	73	-	-	-	-	0	0	50	50	-
2305	TOILET	137	-	-	-	-	0	0	50	100	-
2306	JANITORS CLOSET	37	-	-	-	-	0	0	50	50	-
2307	TOILET	138	-	-	-	-	0	0	50	100	-
2308	CORRIDOR	114	0	-	-	0.8	0	0	-	-	-
2309	CORRIDOR	309	0	-	-	0.8	0	0	-	-	-
2310	OFFICE	4989	24	5	0.06	0.8	395	494	-	-	-
2310	BREAK ROOM	145	1	5	0.06	0.8	14	17	-	-	-
2311	OFFICE	112	1	5	0.06	0.8	12	15	-	-	-
2312	OFFICE	165	1	5	0.06	0.8	15	19	-	-	-
2313	OFFICE	232	2	5	0.06	0.8	24	30	-	-	-
2314	OFFICE	110	1	5	0.06	0.8	12	15	-	-	-
2315	OFFICE	112	1	5	0.06	0.8	12	15	-	-	-
2316	CONFERENCE	516	16	5	0.06	0.8	111	139	-	-	-
2317	OFFICE	176	1	5	0.06	0.8	16	19	-	-	-
2318	STORAGE	2552	0	0	0.12	0.8	306	383	-	-	-
2319	STORAGE	328	0	0	0.12	0.8	39	49	-	-	-
2320	OFFICE	515	9	5	0.06	0.8	76	95	-	-	-
2320	OFFICE	586	1	5	0.06	0.8	40	50	-	-	-
2321	STORAGE	382	0	0	0.12	0.8	46	57	-	-	-
2322	OFFICE	497	2	5	0.06	0.8	40	50	-	-	-
2323	CONFERENCE	378	13	5	0.06	0.8	88	110	-	-	-
2324	OFFICE	243	2	5	0.06	0.8	25	31	-	-	-
2325	OFFICE	725	4	5	0.06	0.8	64	79	-	-	-
2326	STORAGE	151	0	0	0.12	0.8	18	23	-	-	-
2340	BREAK ROOM	1241	35	8	0.18	0.8	486	607	-	-	-
2341	OFFICE	1087	38	5	0.06	0.8	255	319	-	-	-
2342	OFFICE	1136	38	5	0.06	0.8	258	323	-	-	-
2343	OFFICE	1159	38	5	0.06	0.8	260	324	-	-	-
2344	STORAGE	203	0	0	0.12	0.8	24	30	-	-	-

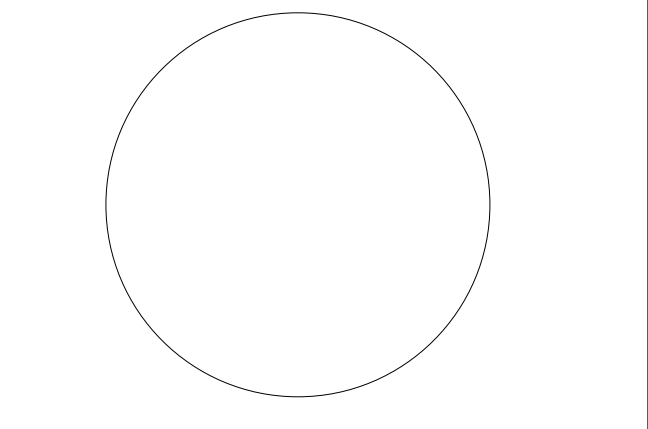
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**BUILDING-2 VENTILATION SCHEDULE (RTU 2-4)**

ROOM #	OCCUPANCY CLASSIFICATION	FLOOR AREA (SF)	NUMBER OF OCCUPANTS	OCCUPANT BASED OA RATE (CFM/OCCUPANT)	AREA BASED OUTSIDE AIR RATE (CFM/SF)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	TOTAL UNCORRECTED OA REQUIRED (CFM)	TOTAL CORRECTED OA REQUIRED (CFM)	AREA BASED EXHAUST RATE (CFM/FIXTURE)	REQUIRED EXHAUST (CFM)	NOTES
2401	LOBBY	814	0	5	0.06	0.8	49	61	-	-	-
2404	TOILET	73	-	-	-	-	0	0	50	50	-
2405	TOILET	137	-	-	-	-	0	0	50	100	-
2406	JANITORS CLOSET	37	-	-	-	-	0	0	50	50	-
2407	TOILET	138	-	-	-	-	0	0	50	100	-
2408	CORRIDOR	116	0	0	0.06	0.8	7	9	-	-	-
2410	OFFICE	3086	21	5	0.06	0.8	290	363	-	-	-
2411	BREAK ROOM	98	1	5	0.06	0.8	11	14	-	-	-
2412	STORAGE	287	0	0	0.12	0.8	34	43	-	-	-
2413	OFFICE	117	1	5	0.06	0.8	12	15	-	-	-
2414	OFFICE	127	1	5	0.06	0.8	13	16	-	-	-
2415	OFFICE	114	1	5	0.06	0.8	12	15	-	-	-
2415	OFFICE	113	1	5	0.06	0.8	12	15	-	-	-
2420	OFFICE	7712	64	5	0.06	0.8	783	978	-	-	-
2421	OFFICE	117	1	5	0.06	0.8	12	15	-	-	-
2422	OFFICE	122	1	5	0.06	0.8	12	15	-	-	-
2423	OFFICE	111	1	5	0.06	0.8	12	15	-	-	-
2424	OFFICE	130	1	5	0.06	0.8	13	16	-	-	-
2425	OFFICE	129	1	5	0.06	0.8	13	16	-	-	-
2426	OFFICE	129	1	5	0.06	0.8	13	16	-	-	-
2427	OFFICE	98	1	5	0.06	0.8	11	14	-	-	-
2428	STORAGE	374	0	0	0.12	0.8	45	56	-	-	-
2429	BREAK ROOM	109	1	5	0.06	0.8	12	14	-	-	-
2430	OFFICE	111	1	5	0.06	0.8	12	15	-	-	-
2431	OFFICE	129	1	5	0.06	0.8	13	16	-	-	-
2432	OFFICE	115	1	5	0.06	0.8	12	15	-	-	-
2433	OFFICE	111	1	5	0.06	0.8	12	15	-	-	-
2434	CONFERENCE	395	16	5	0.06	0.8	104	130	-	-	-
2440	OFFICE	2454	20	5	0.06	0.8	247	309	-	-	-
2441	OFFICE	130	1	5	0.06	0.8	13	16	-	-	-
2442	OFFICE	115	1	5	0.06	0.8	12	15	-	-	-
2443	OFFICE	114	1	5	0.06	0.8	12	15	-	-	-
2444	OFFICE	111	1	5	0.06	0.8	12	15	-	-	-
2445	OFFICE	131	1	5	0.06	0.8	13	16	-	-	-
2446	BREAK ROOM	74	1	5	0.06	0.8	9	12	-	-	-
2447	STORAGE	673	0	0	0.12	0.8	81	101	-	-	-

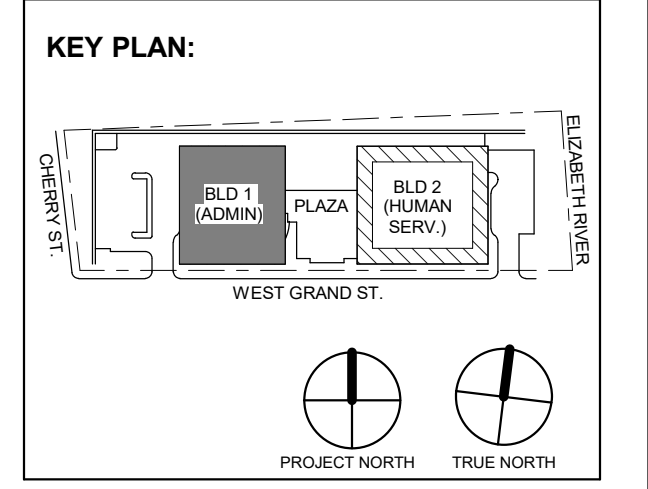
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 NJ PROFESSIONAL ENGINEER (No. 34888888)

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11/08/2023	For Public Bid	
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**UNION COUNTY IMPROVEMENT AUTHORITY**

Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
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 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 - MECHANICAL SCHEDULES (2 OF 4)**

Sheet No.:

**M-410**

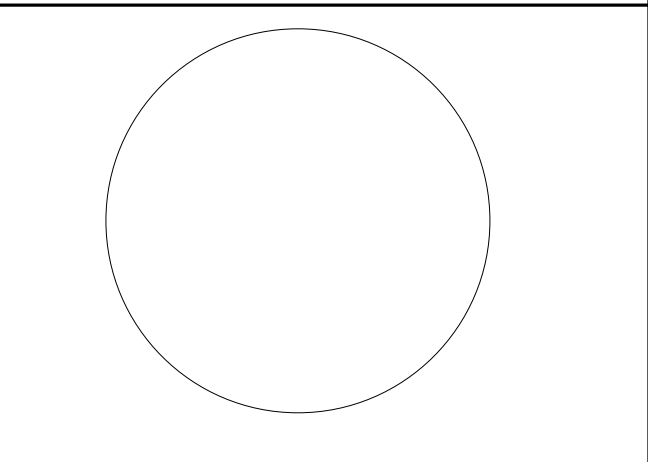


**BUILDING-2 VENTILATION SCHEDULE (RTU 2-5)**

ROOM #	OCCUPANCY CLASSIFICATION	FLOOR AREA (SF)	NUMBER OF OCCUPANTS	OCCUPANT BASED OA RATE (CFM/OCCUPANT)	AREA BASED OUTSIDE AIR RATE (CFM/SF)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	TOTAL UNCORRECTED OA REQUIRED (CFM)	TOTAL CORRECTED OA REQUIRED (CFM)	AREA BASED EXHAUST RATE (CFM/FIXTURE)	REQUIRED EXHAUST (CFM)	NOTES
2501	LOBBY	946	0	5	0.06	0.8	57	71	-	-	-
2504	TOILET	73	-	-	-	-	0	0	50	50	-
2505	TOILET	137	-	-	-	-	0	0	50	100	-
2506	JANITORS CLOSET	37	-	-	-	-	0	0	50	50	-
2507	TOILET	138	-	-	-	-	0	0	50	100	-
2508	CORRIDOR	95	0	0	0.06	0.8	6	7	-	-	-
2509	OFFICE	3161	21	5	0.06	0.8	295	368	-	-	-
2510	OFFICE	102	1	5	0.06	0.8	11	14	-	-	-
2511	OFFICE	405	3	5	0.06	0.8	24	30	-	-	-
2512	OFFICE	113	1	5	0.06	0.8	12	15	-	-	-
2513	OFFICE	110	1	5	0.06	0.8	12	15	-	-	-
2514	OFFICE	113	1	5	0.06	0.8	12	15	-	-	-
2515	OFFICE	112	1	5	0.06	0.8	12	15	-	-	-
2516	OFFICE	178	1	5	0.06	0.8	16	20	-	-	-
2517	OFFICE	115	1	5	0.06	0.8	12	15	-	-	-
2518	OFFICE	112	1	5	0.06	0.8	12	15	-	-	-
2519	CONFERENCE	169	4	5	0.06	0.8	30	38	-	-	-
2520	CONFERENCE	357	14	5	0.06	0.8	91	114	-	-	-
2521	OFFICE	2604	8	5	0.06	0.8	196	245	-	-	-
2522	OFFICE	124	1	5	0.06	0.8	12	16	-	-	-
2523	OFFICE	155	1	5	0.06	0.8	14	18	-	-	-
2524	OFFICE	179	1	5	0.06	0.8	16	20	-	-	-
2525	OFFICE	112	1	5	0.06	0.8	12	15	-	-	-
2526	OFFICE	115	1	5	0.06	0.8	12	15	-	-	-
2527	STORAGE	314	0	0	0.12	0.8	38	47	-	-	-
2528	OFFICE	101	1	5	0.06	0.8	11	14	-	-	-
2529	STORAGE	534	0	0	0.12	0.8	64	80	-	-	-
2530	OFFICE	152	1	5	0.06	0.8	14	18	-	-	-
2531	OFFICE	153	1	5	0.06	0.8	14	18	-	-	-
2532	OFFICE	114	1	5	0.06	0.8	12	15	-	-	-
2533	OFFICE	230	2	5	0.06	0.8	24	30	-	-	-
2534	STORAGE	286	0	0	0.12	0.8	34	43	-	-	-
2535	BREAK ROOM	138	1	5	0.06	0.8	13	17	-	-	-
2536	CONFERENCE	548	14	5	0.06	0.8	103	129	-	-	-
2537	OFFICE	4770	16	5	0.06	0.8	366	458	-	-	-
2538	OFFICE	177	1	5	0.06	0.8	16	20	-	-	-
2539	OFFICE	117	1	5	0.06	0.8	12	15	-	-	-
2540	OFFICE	129	1	5	0.06	0.8	13	16	-	-	-
2541	OFFICE	102	1	5	0.06	0.8	11	14	-	-	-
2542	STORAGE	322	0	0	0.12	0.8	39	48	-	-	-
2543	BREAK ROOM	90	1	5	0.06	0.8	10	13	-	-	-
2544	OFFICE	1876	9	5	0.06	0.8	158	197	-	-	-
2562	OFFICE	1769	9	5	0.06	0.8	151	189	-	-	-

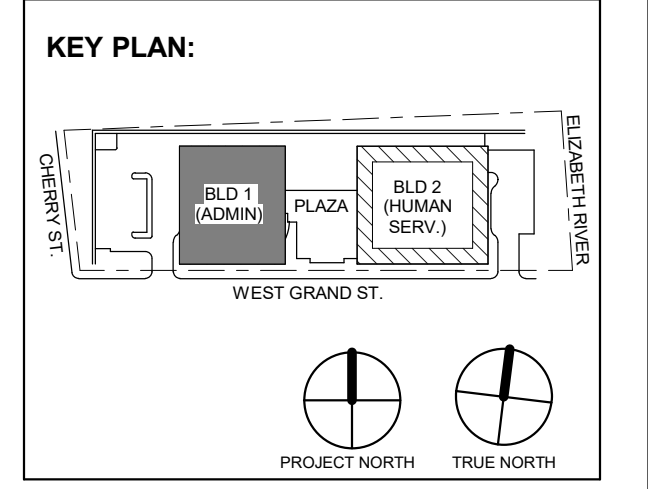
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**JOHN CHRIS MORRIS III, P.E.**  
 NJ PROFESSIONAL ENGINEER (No. 14-108888)

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 Drawn By: JBA/VPC  
 Checked By: JM/SH

Sheet Name:  
**BUILDING NO. 2 - MECHANICAL SCHEDULES (3 OF 4)**

Sheet No:

**M-411**

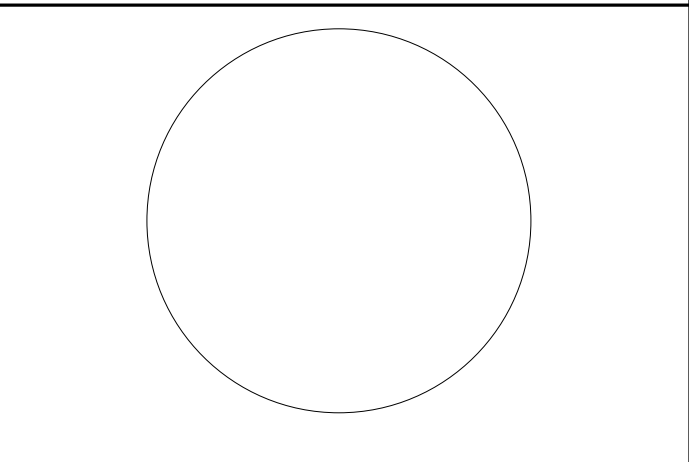


**BUILDING-2 VENTILATION SCHEDULE (RTU 2-6)**

ROOM #	OCCUPANCY CLASSIFICATION	FLOOR AREA (SF)	NUMBER OF OCCUPANTS	OCCUPANT BASED OA RATE (CFM/OCCUPANT)	AREA BASED OUTSIDE AIR RATE (CFM/SF)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	TOTAL UNCORRECTED OA REQUIRED (CFM)	TOTAL CORRECTED OA REQUIRED (CFM)	AREA BASED EXHAUST RATE (CFM/FIXTURE)	REQUIRED EXHAUST (CFM)	NOTES
2601	LOBBY	817	0	5	0.06	0.8	49	61	-	-	-
2604	TOILET	73	-	-	-	-	0	0	50	50	-
2605	TOILET	137	-	-	-	-	0	0	50	100	-
2606	JANITORS CLOSET	37	-	-	-	-	0	0	50	50	-
2607	TOILET	138	-	-	-	-	0	0	50	100	-
2609	OFFICE	802	4	5	0.06	0.8	69	85	-	-	-
2610	OFFICE	573	9	5	0.06	0.8	79	99	-	-	-
2611	CONFERENCE	973	31	5	0.06	0.8	213	267	-	-	-
2612	OFFICE	112	1	5	0.06	0.8	12	15	-	-	-
2613	OFFICE	110	1	5	0.06	0.8	12	15	-	-	-
2614	OFFICE	114	1	5	0.06	0.8	12	15	-	-	-
2615	OFFICE	3328	24	5	0.06	0.8	320	400	-	-	-
2620	OFFICE	7394	63	5	0.06	0.8	759	948	-	-	-
2621	CONFERENCE	343	10	5	0.06	0.8	71	88	-	-	-
2622	OFFICE	125	1	5	0.06	0.8	13	16	-	-	-
2623	BREAK ROOM	83	1	5	0.06	0.8	10	12	-	-	-
2624	STORAGE	110	1	5	0.06	0.8	12	15	-	-	-
2625	STORAGE	454	0	0	0.12	0.8	0	0	-	-	-
2626	OFFICE	145	1	5	0.06	0.8	14	17	-	-	-
2627	OFFICE	108	1	5	0.06	0.8	11	14	-	-	-
2628	OFFICE	127	1	5	0.06	0.8	13	16	-	-	-
2629	CONFERENCE	350	10	5	0.06	0.8	71	89	-	-	-
2629	OFFICE	350	14	5	0.06	0.8	91	114	-	-	-
2630	OFFICE	2301	9	5	0.06	0.8	183	229	-	-	-
2631	OFFICE	88	1	5	0.06	0.8	10	13	-	-	-
2632	BREAK ROOM	90	1	5	0.06	0.8	10	13	-	-	-

NOTE: ALL OCCUPANCIES PROVIDED ARE BASED ON ARCHITECTURAL FURNITURE PLANS

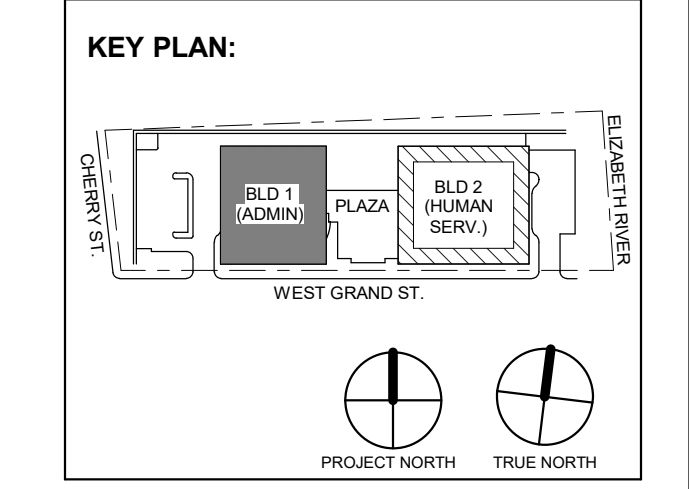
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**JOHN CHRIS MORRIS III, P.E.**  
 NJ PROFESSIONAL ENGINEER (No. 348888888)

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 DRAWN BY: JSK  
 CHECKED BY: JCM  
 REVIEWED BY: JCM

PROJECT No: **DIG2301** DATE: **11/08/2023** SCALE: **AS SHOWN**



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3	12.15.2023	Addendum No. 3
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**BUILDING NO. 2 - MECHANICAL SCHEDULES (4 OF 4)**

Sheet No:

**M-412**



ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL RACEWAY AND BOXES FOR ALL LOW VOLTAGE DEVICES. SEE IT/AV AND SECURITY PLANS AS PREPARED BY MSE FOR DEVICE LOCATIONS AND CONDUIT SIZING/ROUTING. CONDUITS FOR WALL MOUNTED DEVICES SHALL RUN UP TO ABOVE CEILING. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL CONDUITS WITHIN OR THROUGH THE FLOOR SLAB FOR FLOOR BOXES AS WELL AS RISER CONDUITS AND SLEEVES FOR LOW VOLTAGE CABLING DISTRIBUTION. ELECTRICAL CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL GROUND BUSSING SHOWN/CALLED FOR AS PART OF THE IT/AV AND SECURITY PLANS AND SPEC.

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.

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Parsippany, NJ 07054
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NJ Landscape Architecture Certificate No: 246A2801900
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Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, REVIEWED BY, PROJECT No., DATE, SCALE.

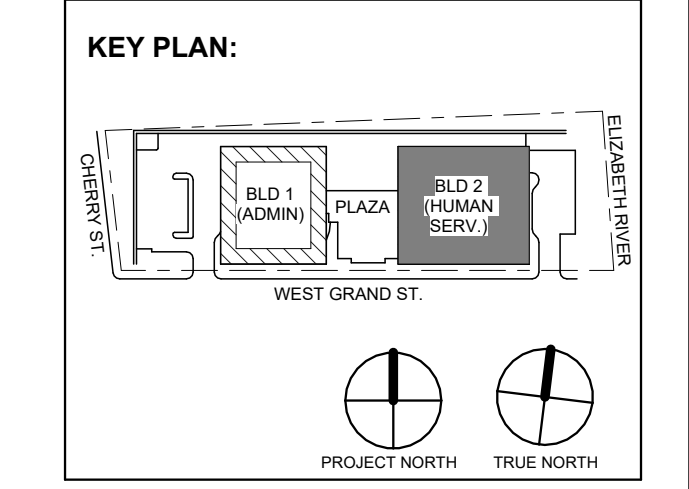


Table with columns: No., Date, Description, Revisions / Issues.

DIGroupArchitecture
ARCHITECTURE FOR CHANGE
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Jeffrey D. Venezia, AIA
NJ RA AI 00827100

PRELIMINARY
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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 - ELECTRICAL POWER PLAN

Sheet No:
E-110

1 / E-101

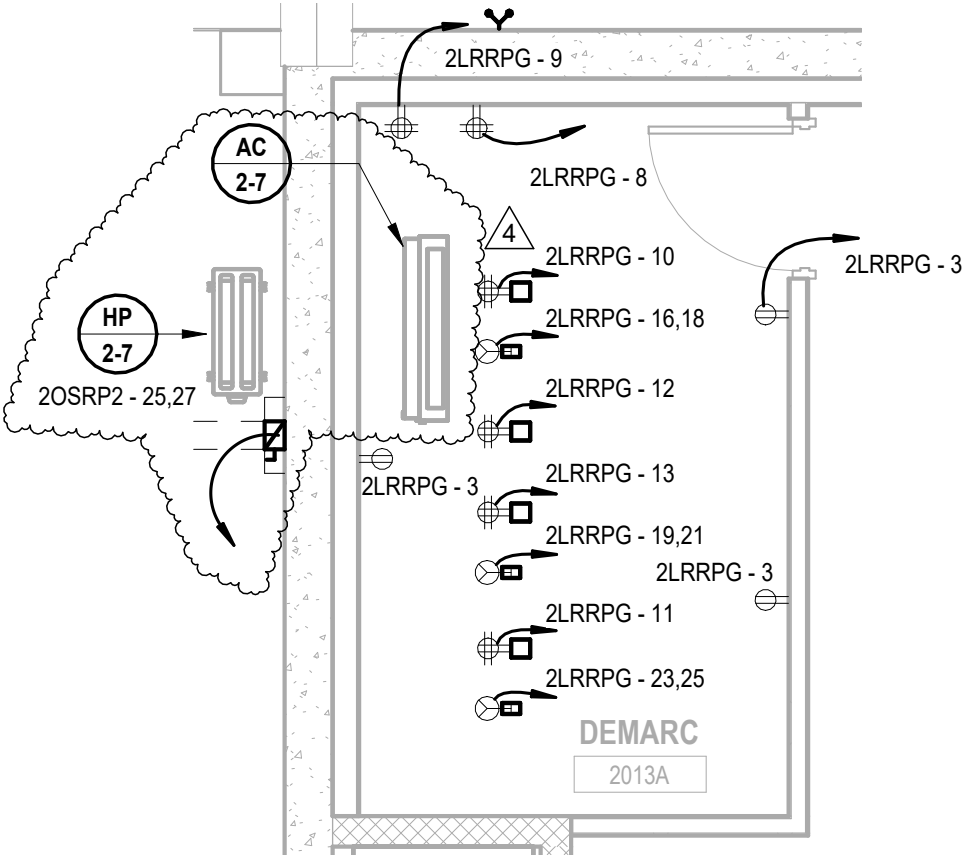
1 / E-101

1 BUILDING NO.2 - LEVEL 0 - ELECTRICAL POWER PLAN
E-110
SCALE: 1/8" = 1'-0"
SCALE BAR: 1/8"=1'-0"

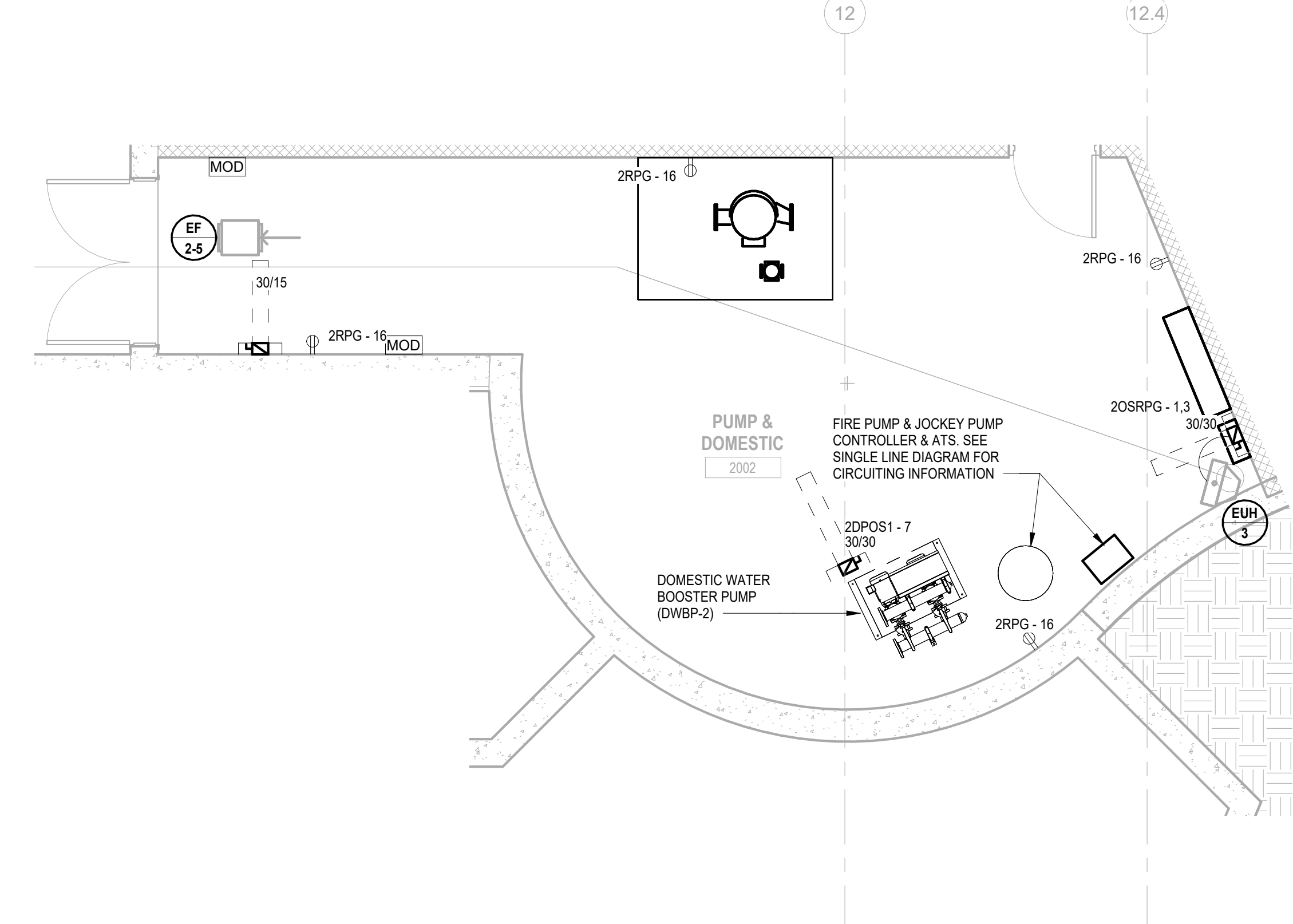




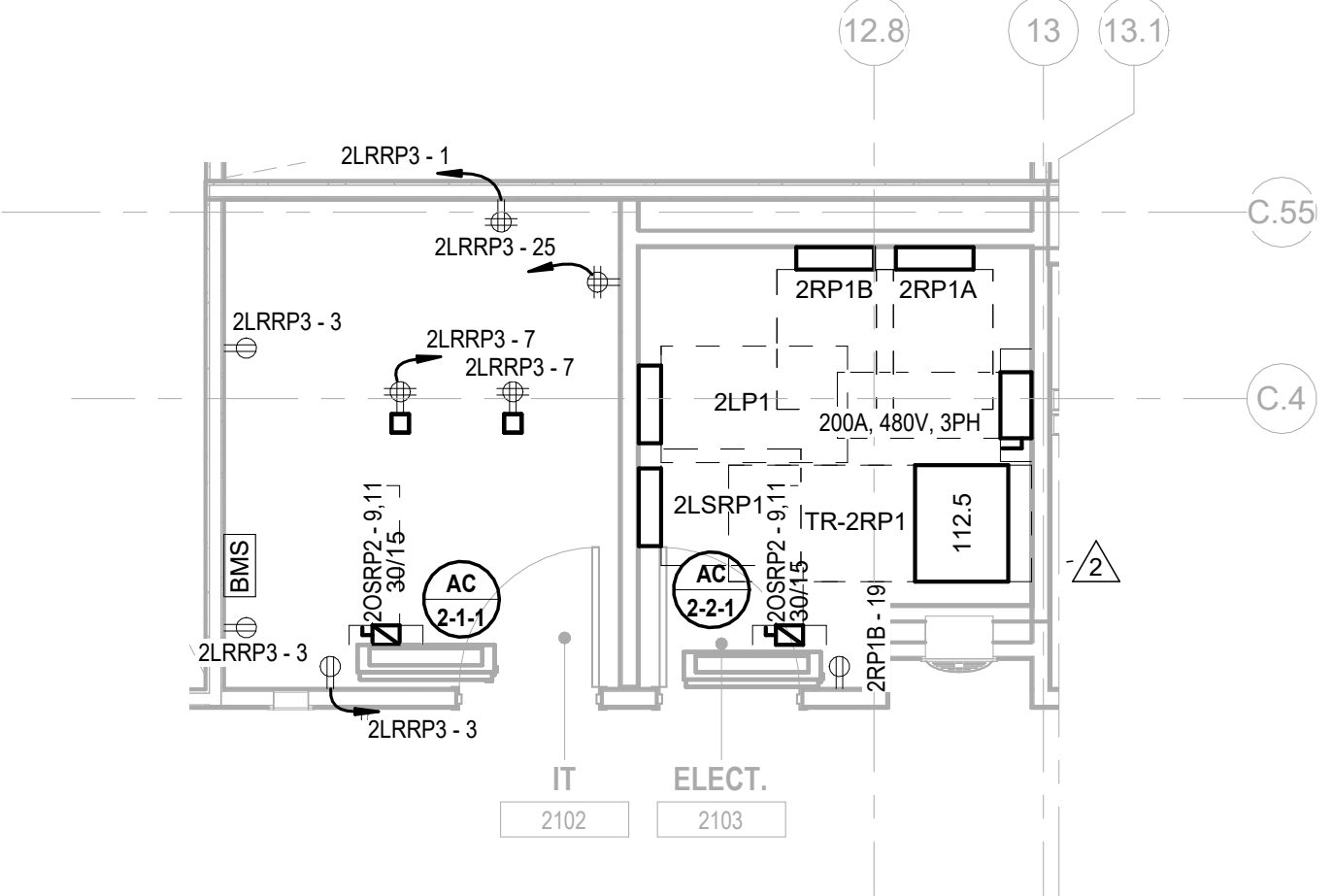
1 BUILDING NO.2 - ENLARGED ELECTRICAL ROOM 2003 E-303 SCALE: 1/4" = 1'-0"



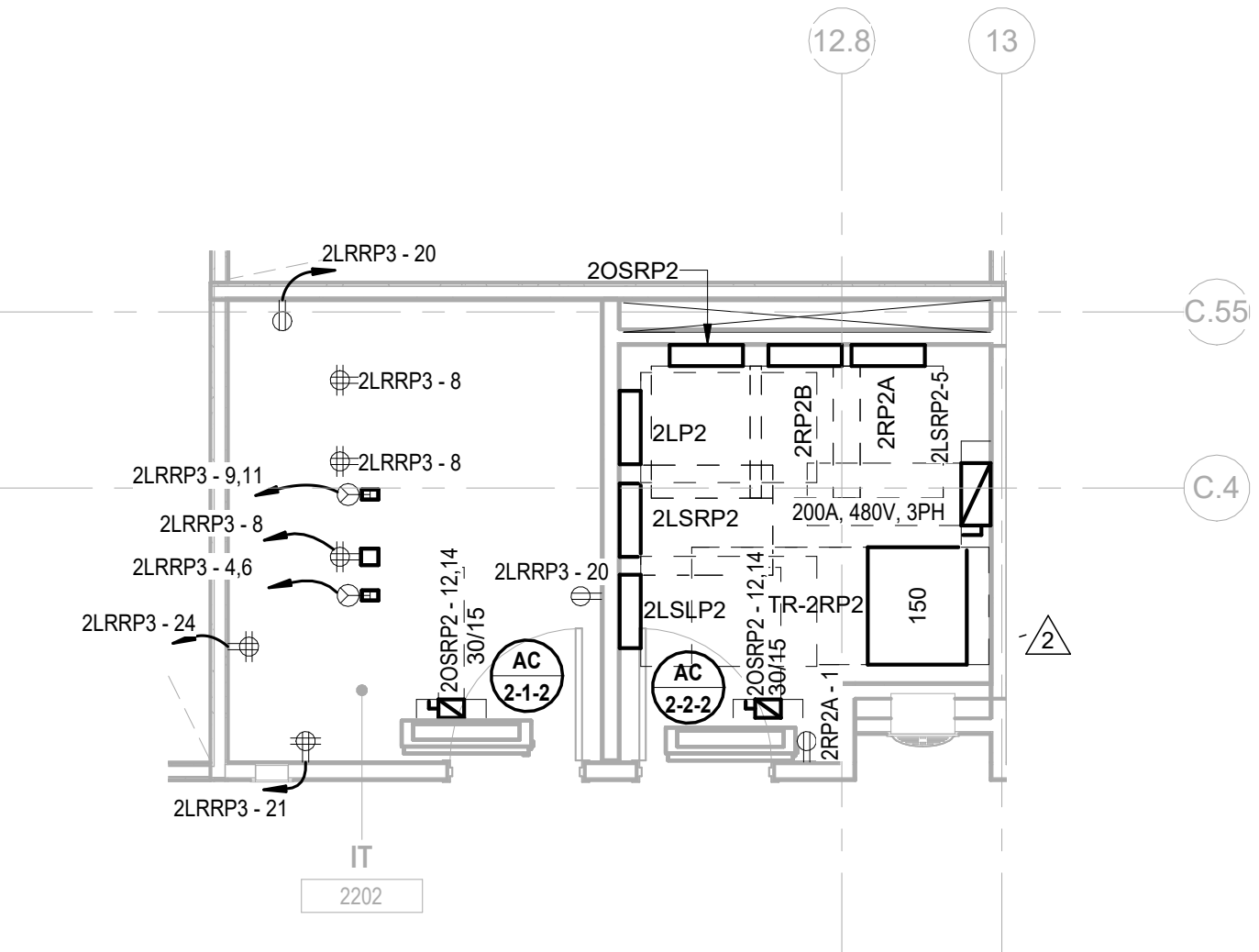
2 BUILDING NO.2 - LEVEL 0 - ELECTRICAL POWER PLAN - DEMARC. ROOM E-303 SCALE: 1/4" = 1'-0"



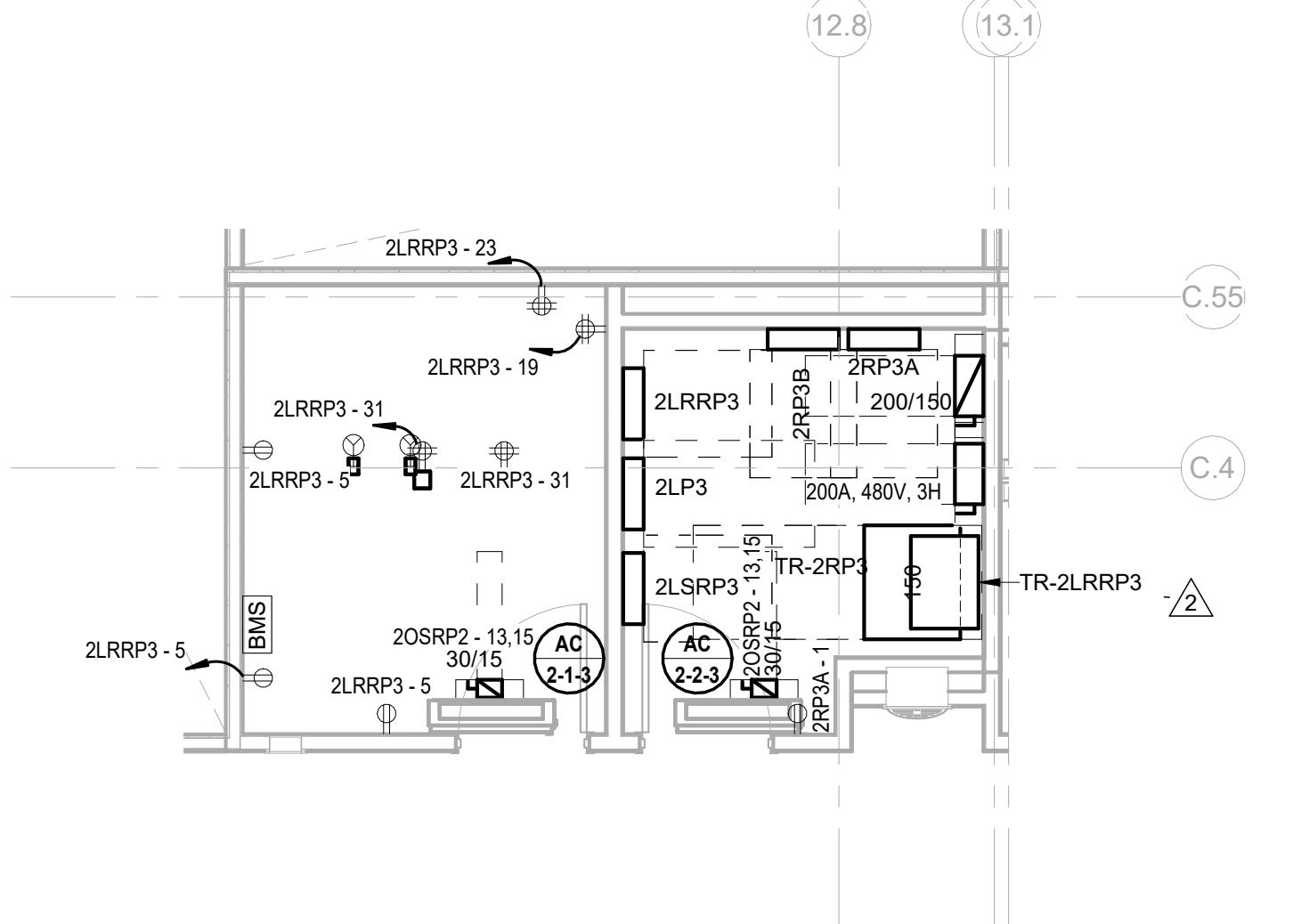
3 BUILDING NO.2 - ENLARGED GARAGE LEVEL PUMP ROOM E-303 SCALE: 1/4" = 1'-0"



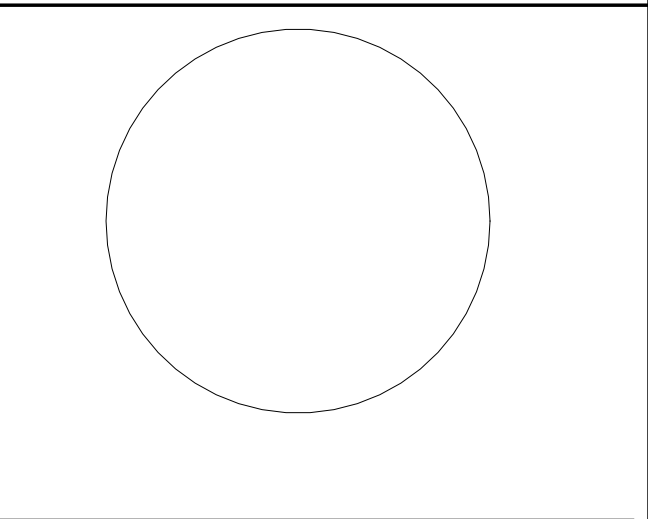
4 BUILDING NO.2 - ENLARGED ELEC 2103 & IT 2102 E-303 SCALE: 1/4" = 1'-0"



5 BUILDING NO.2 - ENLARGED ELEC 2203 & IT 2202 E-303 SCALE: 1/4" = 1'-0"



6 BUILDING NO.2 - ENLARGED ELEC 2303 & IT 2302 E-303 SCALE: 1/4" = 1'-0"



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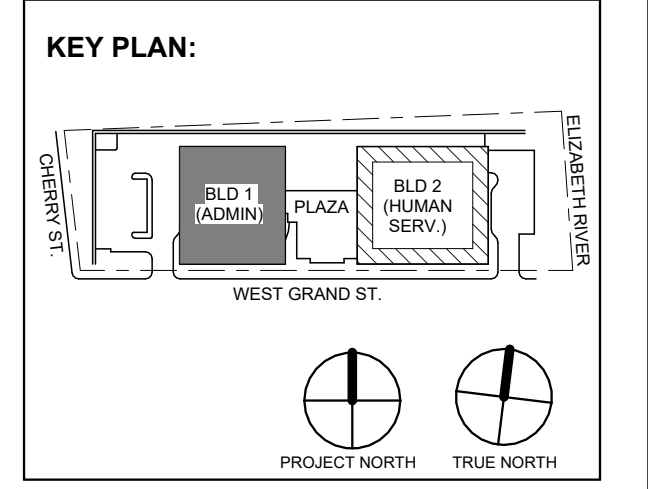


Table with 4 columns: No., Date, Description, Revisions / Issues. Contains revision history for addendums and public bid.

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Jeffrey D. Venezia, AIA NJ RA AI 00827100



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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-303



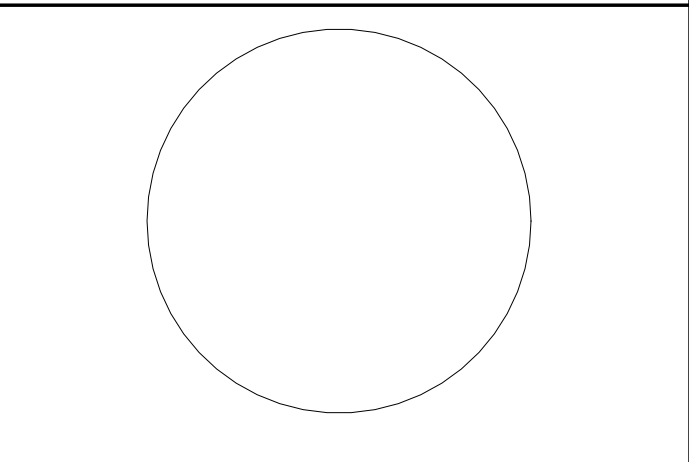


Table with columns for Load Classification, Connected Load, Demand Factor, Estimated Demand, and Panel Totals. Includes categories like HVAC, Heating, Lighting, Motor, etc.

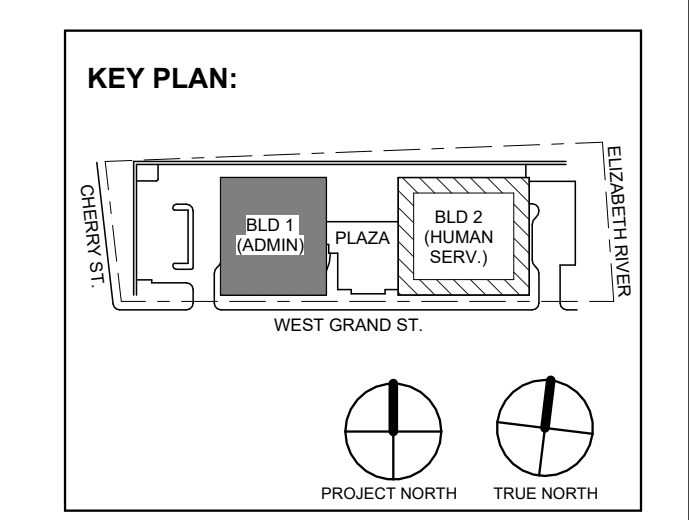


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Client: UNION COUNTY IMPROVEMENT AUTHORITY

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-511

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.

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: 2-MSS

Location: ELECTRICAL 2003 Supply From: Phases: 3 Mounting: Enclosure: Volts: 480/277 Wye Wires: 4 A.I.C. Rating: 100kA Mains Type: MCB Mains Rating: 3500 A MCB Rating: 3500 A

Main distribution panel schedule table with columns for CKT, Circuit Description, # of Poles, Trip Rating, Wire Size (H,N,G), Conduit Size, Load, and Remarks.

Load Classification table with columns for Connected Load, Demand Factor, Estimated Demand, and Panel Totals.

Notes:

Branch Panel: 2LPG

Location: ELECTRICAL 2003 Supply From: 2-MSS 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

Branch panel schedule table with columns for 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 2LPG.

Notes:

Branch Panel: 2RPG

Location: ELECTRICAL 2003 Supply From: TR-2RPG Mounting: Surface Enclosure: NEMA 1 Volts: 120/208 Wye Phases: 3 Wires: 4 A.I.C. Rating: 22kA Mains Type: MCB Mains Rating: 250 A MCB Rating: 250 A

Branch panel schedule table for 2RPG with columns for 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 2RPG.

Notes:

Branch Panel: 2LSLPG

Location: ELECTRICAL 2003 Supply From: 2DPLS 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

Branch panel schedule table for 2LSLPG with columns for 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 2LSLPG.

Notes:



### Branch Panel: 2LSRP2

Location: ELEC 2203  
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

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	ELEV SMOKE CURTAIN	20 A	1	1-#12, 1-#12, 1-#12	3/4"	500 VA	500 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	ELEV SMOKE CURTAIN	2
3	ELEV SMOKE CURTAIN	20 A	1	1-#12, 1-#12, 1-#12	3/4"	500 VA	150 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	FIRE SMOKE DAMPERS	4
5								0 VA				1	0 A	SPARE	6
7	SPARE	0 A	1	--		0 VA	0 VA					1	0 A	SPARE	8
9	SPARE	0 A	1	--			0 VA	0 VA				1	0 A	SPARE	10
11	SPARE	0 A	1	--				0 VA	0 VA			1	0 A	SPARE	12
13	SPARE	0 A	1	--		0 VA	0 VA					1	0 A	SPARE	14
15	SPARE	0 A	1	--			0 VA	0 VA				1	0 A	SPARE	16
17	SPARE	0 A	1	--				0 VA	0 VA			1	0 A	SPARE	18
19	SPACE	--	1	--		--	--					1	--	SPACE	20
21	SPACE	--	1	--		--	--					1	--	SPACE	22
23	SPACE	--	1	--		--	--					1	--	SPACE	24
25	SPACE	--	1	--		--	--					1	--	SPACE	26
27	SPACE	--	1	--		--	--					1	--	SPACE	28
29	SPACE	--	1	--		--	--					1	--	SPACE	30
						<b>Total Load:</b>	1000 VA	650 VA	0 VA						
						<b>Total Amps:</b>	9 A	6 A	0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Non-Continuous	1650 VA	100.00%	1650 VA	
				<b>Total Conn. Load:</b> 1650 VA
				<b>Total Est. Demand:</b> 1650 VA
				<b>Total Conn.: 5 A</b>
				<b>Total Est. Demand:</b> 5 A

Notes:

### Branch Panel: 2OSRP2

Location: ELEC 2203  
Supply From: TR-OSRP  
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

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	3RD FLOOR VAVs (NORTH SIDE)	20 A	1	1-#10, 1-#10, 1-#10	3/4"	900 VA	1000 VA			3/4"	1-#10, 1-#10, 1-#10	1	20 A	3RD FLOOR VAVs (SOUTH SIDE)	2
3	2ND FLOOR VAVs (NORTH SIDE)	20 A	1	1-#12, 1-#12, 1-#12	3/4"	800 VA	1100 VA			3/4"	1-#10, 1-#10, 1-#10	1	20 A	2ND FLOOR VAVs (SOUTH SIDE)	4
5	1ST FLOOR VAVs (NORTH SIDE)	20 A	1	1-#12, 1-#12, 1-#12	3/4"			700 VA	550 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	1ST FLOOR VAVs (SOUTH SIDE)	6
7	GROUND FLOOR VAVs	20 A	1	1-#12, 1-#12, 1-#12	3/4"	500 VA	1040 VA			3/4"	2-#12, 1-#12, 1-#12	2	15 A	SPLIT SYS. HEAT PUMP (HP 2-5) - BUILDING EXTERIOR	8
9							104 VA	104 VA							
11	AC-2-1-1 & AC-2-2-1	15 A	2	2-#12, 1-#12, 1-#12	3/4"			104 VA	104 VA						
13						104 VA	104 VA								
15	HVAC Room 2302, 2303	20 A	2	2-#12, 1-#12, 1-#12	3/4"			104 VA	600 VA	3/4"	1-#12, 1-#12, 1-#12	1	15 A	AC-2-1-2 & AC-2-2-2	14
17	Power - General YOUTH SERVICES OPEN OFFICE...	15 A	1	1-#12, 1-#12, 1-#12	3/4"			600 VA	600 VA	3/4"	1-#12, 1-#12, 1-#12	1	15 A	Power - General YOUTH SERVICES OPEN OFFICE...	16
19	Power - General	15 A	1	1-#12, 1-#12, 1-#12	3/4"	50 VA	100 VA			3/4"	1-#12, 1-#12, 1-#12	1	15 A	Power - General YOUTH SERVICES OPEN OFFICE...	18
21	Power - General INTERVIEW ROOM OPEN OFFICE 2120	15 A	1	1-#12, 1-#12, 1-#12	3/4"			600 VA	600 VA						
23	Power - General INTERVIEW ROOM OPEN OFFICE 2120	15 A	1	1-#12, 1-#12, 1-#12	3/4"			600 VA	600 VA						
25						1976 VA									
27	HP 2-7 / AC 2-7 Demarc Rm. 2013A	30 A	2	2-#10, 1-#10, 1-#10	3/4"			1976 VA							
29															
						<b>Total Load:</b>	5774 VA	6924 VA	3208 VA						
						<b>Total Amps:</b>	51 A	61 A	27 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	2704 VA	100.00%	2704 VA	
Other	3952 VA	100.00%	3952 VA	<b>Total Conn. Load:</b> 15906 VA
Power - General	9250 VA	100.00%	9250 VA	<b>Total Est. Demand:</b> 15906 VA
				<b>Total Conn.: 44 A</b>
				<b>Total Est. Demand:</b> 44 A

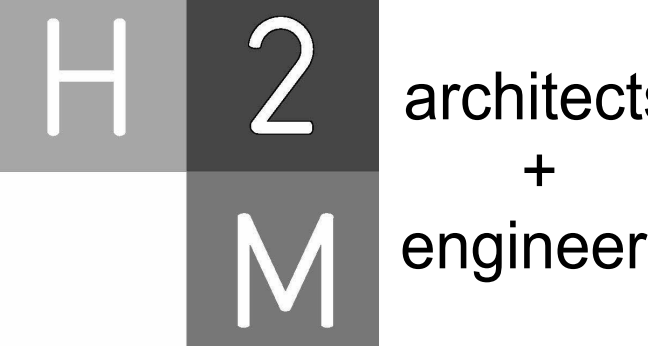
Notes:

#### PANEL SCHEDULE NOTES:

- 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
- ROOFTOP UNIT CIRCUIT BREAKERS SHALL BE HACR RATED.
- WIRE SIZE OF BRANCH BREAKERS 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.
- ALL CIRCUITS TO BE RUN WITH COPPER WIRE. ALUMINUM OR COPPER CLAD WIRE WILL NOT BE ACCEPTED. CONDUIT IS NOT ACCEPTABLE AS A GROUNDING CONDUCTOR.
- ALL MATERIALS SHALL BE UL LABELED.
- EC TO COORDINATE PANEL SHORT CIRCUIT RATING WITH AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY TRANSFORMER.
- 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.

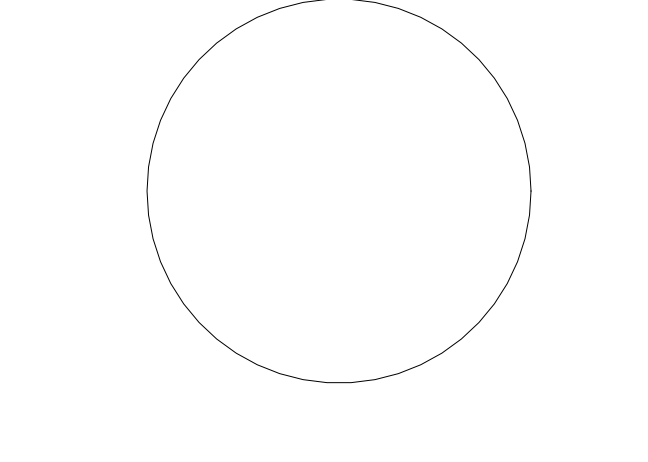
#### PANEL SCHEDULE KEYED NOTES:

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



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NJ Landscape Architecture Certificate No. 21MH0010300  
NJ Engineering Certificate of Authorization No. 24GA28019100



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

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

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

### Branch Panel: 2LP3

Location: ELEC 2303  
Supply From: 2LP3  
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

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	Level 3 West Side Lighting	20 A	1	1-#12, 1-#12, 1-#12		2567 VA	708 VA			1-#12, 1-#12, 1-#12	1	20 A	Level 3 NW Lighting	2	
3	Level 3 NE Lighting	20 A	1	1-#12, 1-#12, 1-#12			2154 VA	1768 VA		1-#12, 1-#12, 1-#12	1	20 A	Level 3 SE Lighting	4	
5	Level 3 South Side Lighting	20 A	1	1-#12, 1-#12, 1-#12				1514 VA	895 VA	1-#12, 1-#12, 1-#12	1	20 A	Level 3 Core Lighting	6	
7															
9															
11															
13															
15															
17															
19															
21															
23															
25															
27															
29															
						<b>Total Load:</b>	3275 VA	3922 VA	2409 VA						
						<b>Total Amps:</b>	12 A	15 A	9 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting - Dwelling Unit	300 VA	100.00%	300 VA	
Other	867 VA	100.00%	867 VA	<b>Total Conn. Load:</b> 9605 VA
Lighting	8452 VA	100.00%	8452 VA	<b>Total Est. Demand:</b> 9605 VA
				<b>Total Conn.: 12 A</b>
				<b>Total Est. Demand:</b> 12 A

Notes:

### Branch Panel: 2RP3A

Location: ELEC 2303  
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

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	REC - ELEC 2303	20 A	1	1-#12, 1-#12, 1-#12	3/4"	180 VA	720 VA			1-#12, 1-#12, 1-#12	1	20 A	REC - TRAINING 2341	2	
3	WATER COOLER - ELEVATOR LOBBY 2301	20 A	1	1-#12, 1-#12, 1-#12	3/4"	260 VA	900 VA			1-#12, 1-#12, 1-#12	1	20 A	REC - GALLEY 2946	4	
5	REC - CONFERENCE 2316	20 A	1	1-#10, 1-#10, 1-#10	3/4"			970 VA	900 VA	1-#12, 1-#12, 1-#12	1	20 A	REC - TRAINING 2342	6	
7	REC - DIREC. ELECTION 2313	20 A	1	1-#8, 1-#8, 1-#8		1220 VA	1260 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	REC - TOILET 2305, 2307	8
9	REC - ELECTION OFFICE 2310	20 A	1	1-#10, 1-#10, 1-#10			1090 VA	1260 VA		3/4"	1-#12, 1-#12, 1-#12	1	20 A	REC - BREAK ROOM 2340	10
11	REC - STORAGE	20 A	1	1-#12, 1-#12, 1-#12	3/4"			1180 VA	3000 VA						
13	REC - ADA COMP 2311, DD ELECTION 2312	20 A	1	1-#8, 1-#8, 1-#8	3/4"	1830 VA	250 VA								
15	REC - ASSIST. OFFICE 2314, CHIEF COORD. 2315	20 A	1	1-#8, 1-#8, 1-#8			1580 VA	1580 VA		3/4"	1-#8, 1-#8, 1-#8	1	20 A	REC - TAXATION OPEN OFFICE 2325	16
17	Non-Continuous INCOME MAINTENANCE OPEN OFFI...	0 A	1	1-#12, 1-#12, 1-#12				500 VA	3240 VA						
19						6650 VA	250 VA								
21	TANKLESS WATER HEATER	80 A	2	2-#3, 1-#3, 1-#8			6650 VA	250 VA							
23	REC. TV - TRAINING 2343	20 A	1	1-#12, 1-#12, 1-#12				250 VA	250 VA						
25	REC - GALLEY / VENDING 2340.2	20 A	1	1-#12, 1-#12, 1-#12		1200 VA	1300 VA								
27	REC. TV - BREAK ROOM 2340	20 A	1	1-#12, 1-#12, 1-#12		250 VA	1200 VA								
29	REC - GALLEY / VENDING 2340.2	20 A	1	1-#12, 1-#12, 1-#12				1200 VA	1300 VA						
31	REC - ELECTION OFFICE 2310	20 A	1	1-#8, 1-#8, 1-#8	3/4"	1440 VA	600 VA								
33	HAND DRYER - TOILET 2304	20 A	1	1-#12, 1-#12, 1-#12			1300 VA	1440 VA		3/4"	1-#10, 1-#10, 1-#10	1	20 A	REC - ELEVATOR LOBBY 2301	32
35	REC - TRAINING 2343	20 A	1	1-#10, 1-#10, 1-#10				1440 VA	360 VA						
37						360 VA									
39								360 VA							
41															
43															
45															
47															
49															
51															
53															
55															
57															
59															
61															
63															
						<b>Total Load:</b>	29783 VA	35405 VA	31995 VA						
						<b>Total Amps:</b>	248 A	298 A	269 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	23 VA	125.		



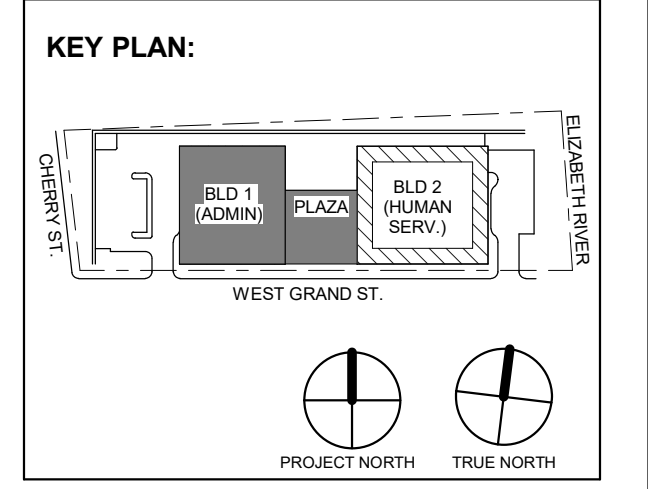




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Parsippany, NJ 07054  
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JONATHAN R. MURATORE, P.E.  
NJ PROFESSIONAL ENGINEER NO. 348890077

DESIGNED BY	CRG	CRG	JRM	JRM	
DRAWN BY					
CHECKED BY					
REVIEWED BY					
PROJECT No.	DGA2301	DATE	12.22.2023	SCALE	AS SHOWN



4	12.22.2023	Addendum No. 04
	11.08.2023	For Public Bid
No.	Date	Description
Revisions / Issues		

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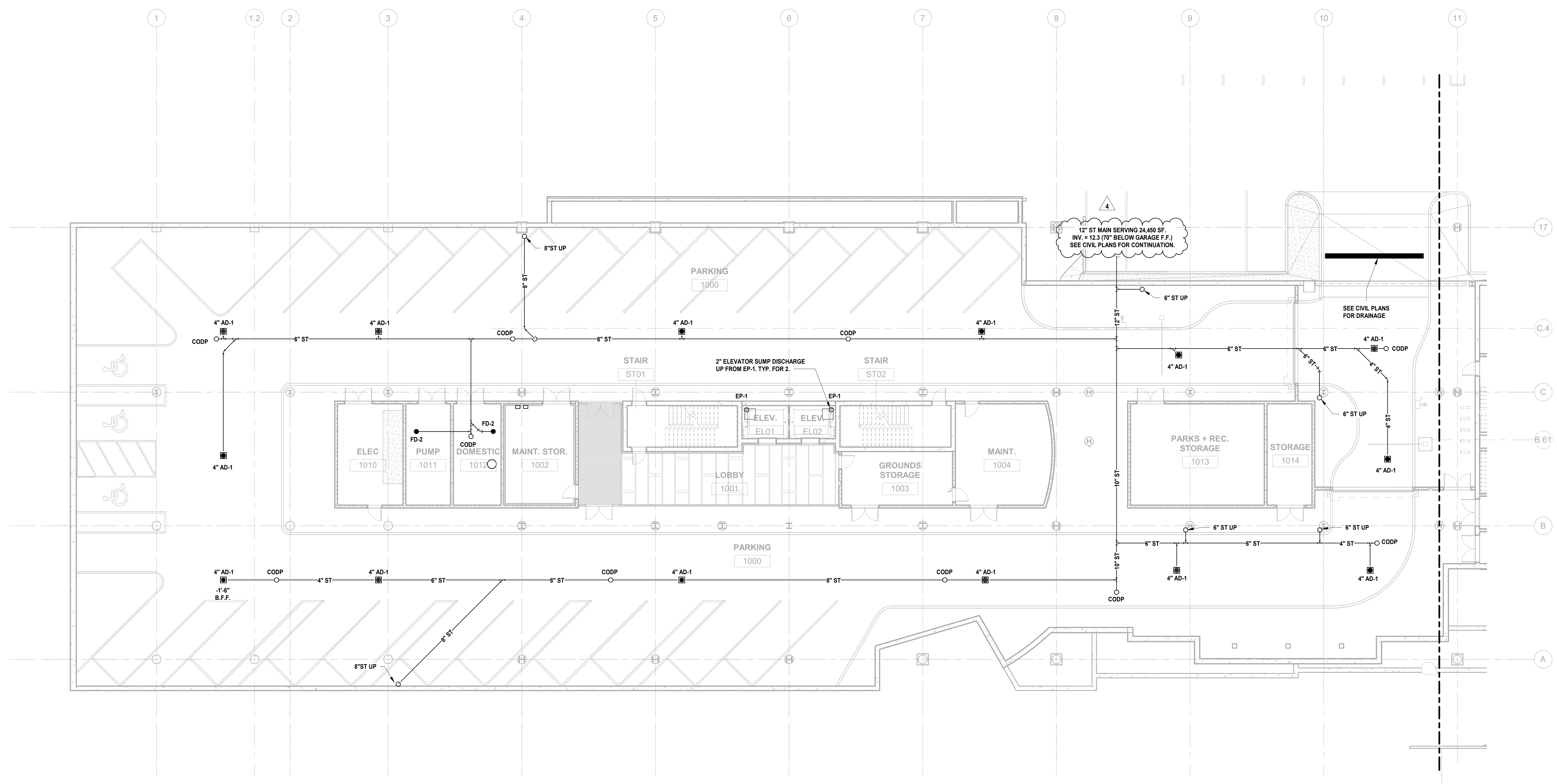
Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
81 & 83 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY, 07202

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

Sheet Name:  
**BUILDING NO. 1 - UNDERSLAB - SANITARY & STORM PLAN**

Sheet No:

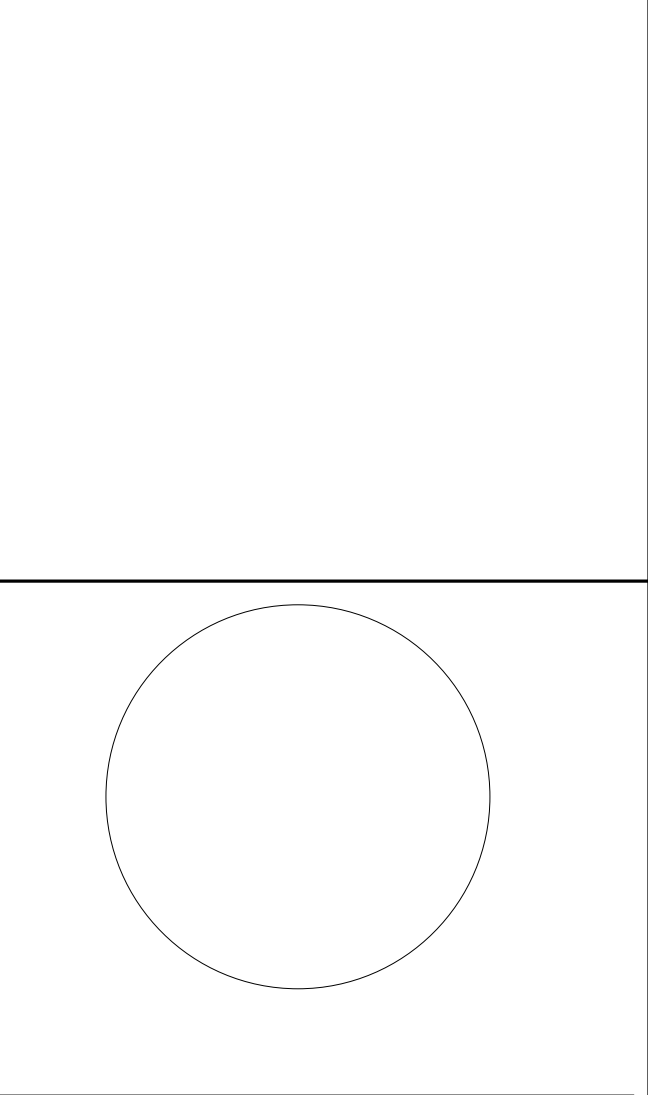
**P-100**



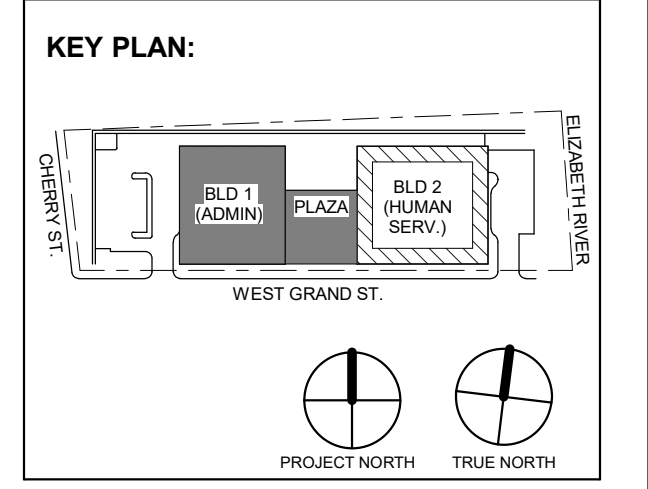
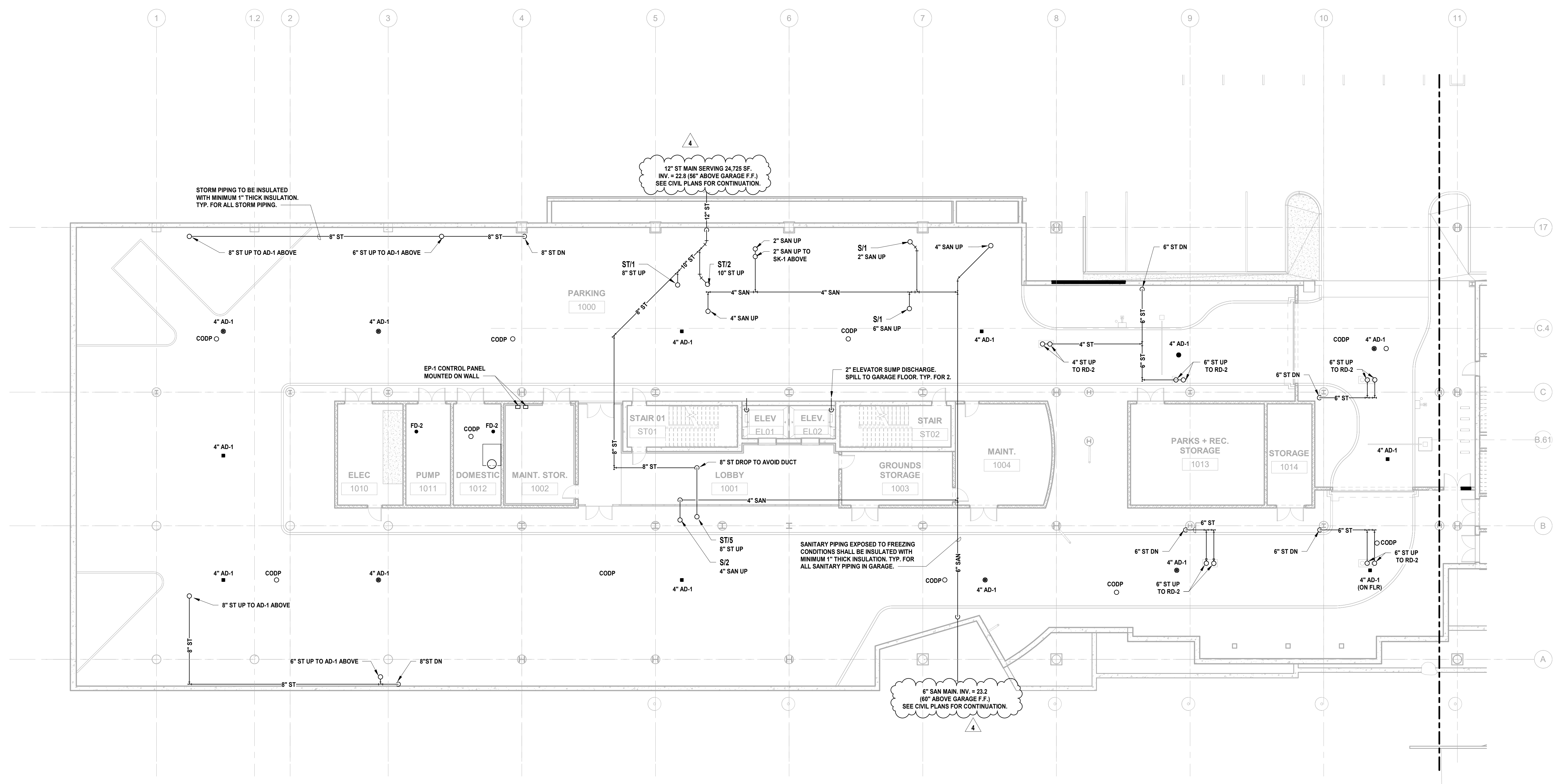
**1 BUILDING NO. 1 - UNDERSLAB - SANITARY & STORM**  
P-100 SCALE: 3/32" = 1'-0"







JONATHAN R. MURATORE, P.E. DESIGNER BY: CRG DRAWN BY: CRG CHECKED BY: JRM REVIEWED BY: JRM PROJECT No: DGA2301 DATE: 12.22.2023 SCALE: AS SHOWN



Revision table with columns for No., Date, Description, and Revisions / Issues. It lists four revisions from 12/22/2023 to 11/08/2023.

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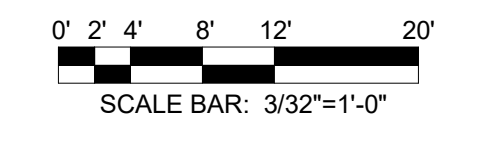
Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JMS/H

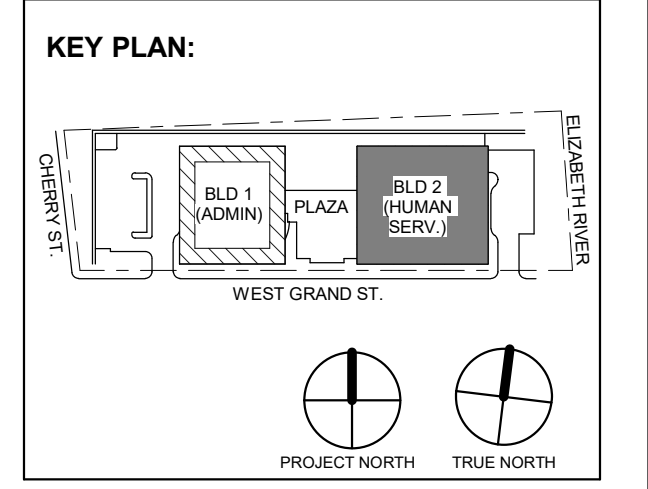
Sheet Name: BUILDING NO. 1 - LEVEL 0 - SANITARY & STORM PLAN

Sheet No: P-101

1 BUILDING NO. 1 - LEVEL 0 - SANITARY & STORM P-101 SCALE: 3/32" = 1'-0"







Revisions / Issues

No.	Date	Description
4	12.22.2023	Addendum No. 04
1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid

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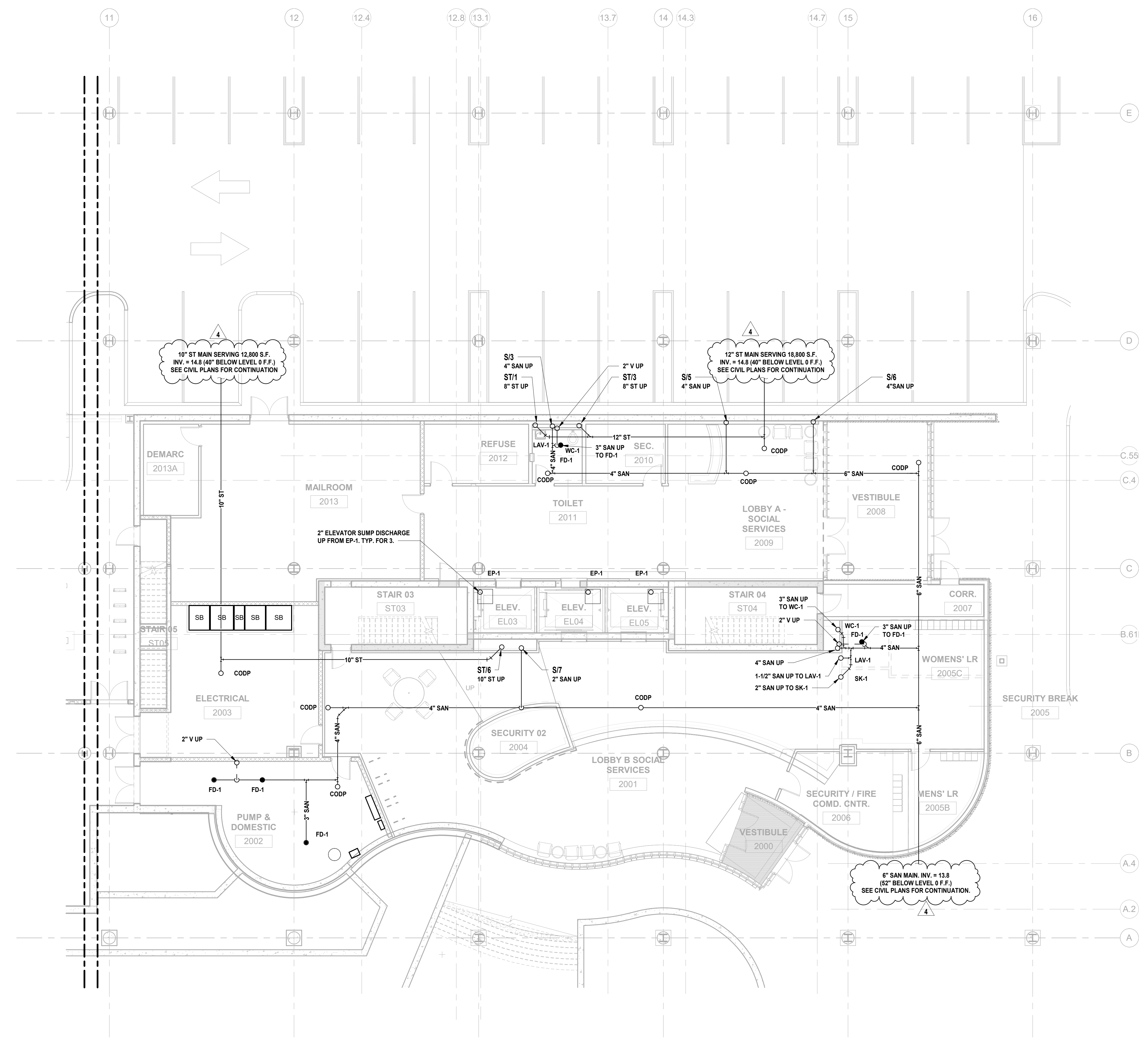
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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"





ABBREVIATIONS table with columns for symbol, description, and alternate description. Includes items like ABOVE, ALARM CHECK VALVE, ACCESS DOOR, etc.

LINE DESIGNATIONS table with symbols for SPK (Sprinkler Main) and FSM (Fire Service Main). FIRE PROTECTION SYMBOLS table with symbols for Gate Valve, Butterfly Valve, Ball Valve, etc.

MISC. DWG. SYMBOLS table with symbols for Point of Connection, Point of Disconnect, Point of Connection for Future Work, etc.

FIRE PROTECTION NOTES section containing 23 numbered notes detailing installation requirements, NFPA code references, and coordination instructions.

GENERAL NOTES section containing 2 numbered notes regarding exterior wall coordination and roofing coordination.

SCOPE OF WORK INFORMATION section detailing the project goals, system specifications, and contractor responsibilities.



JONATHAN R. MURATORE, P.E. PROFESSIONAL ENGINEER No. 348880077. ATTENTION: THIS DOCUMENT IS UNLESS OTHERWISE NOTED THE PROPERTY OF H2M ASSOCIATES, INC.

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

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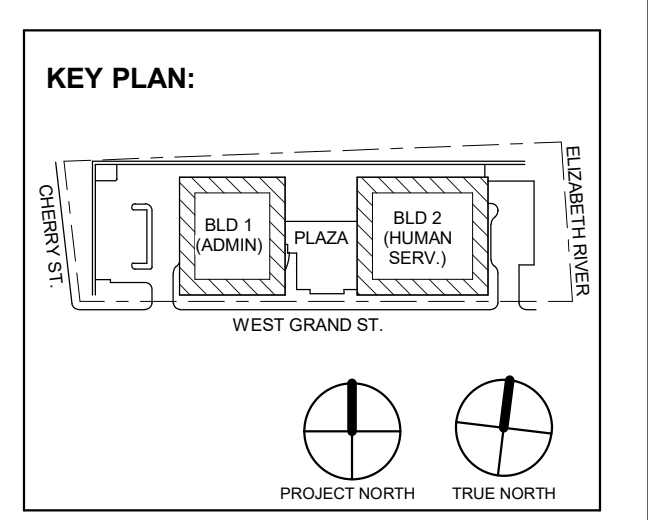


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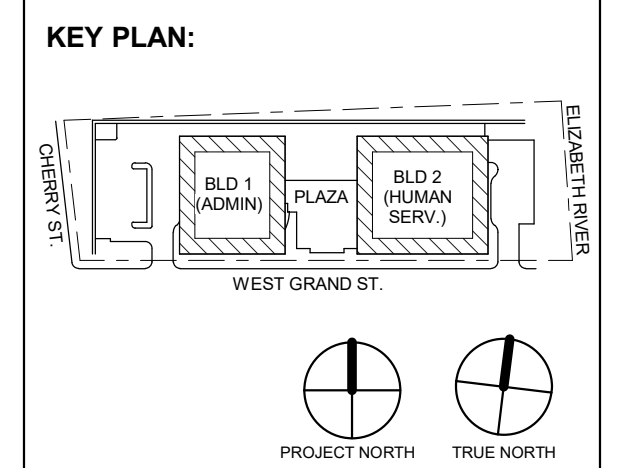
Project: UNION COUNTY GOVERNMENT COMPLEX 81 & 83 WEST GRAND STREET CITY OF ELIZABETH NEW JERSEY, 07202

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

Sheet Name: FIRE PROTECTION LEAD SHEET

Sheet No: FP-001





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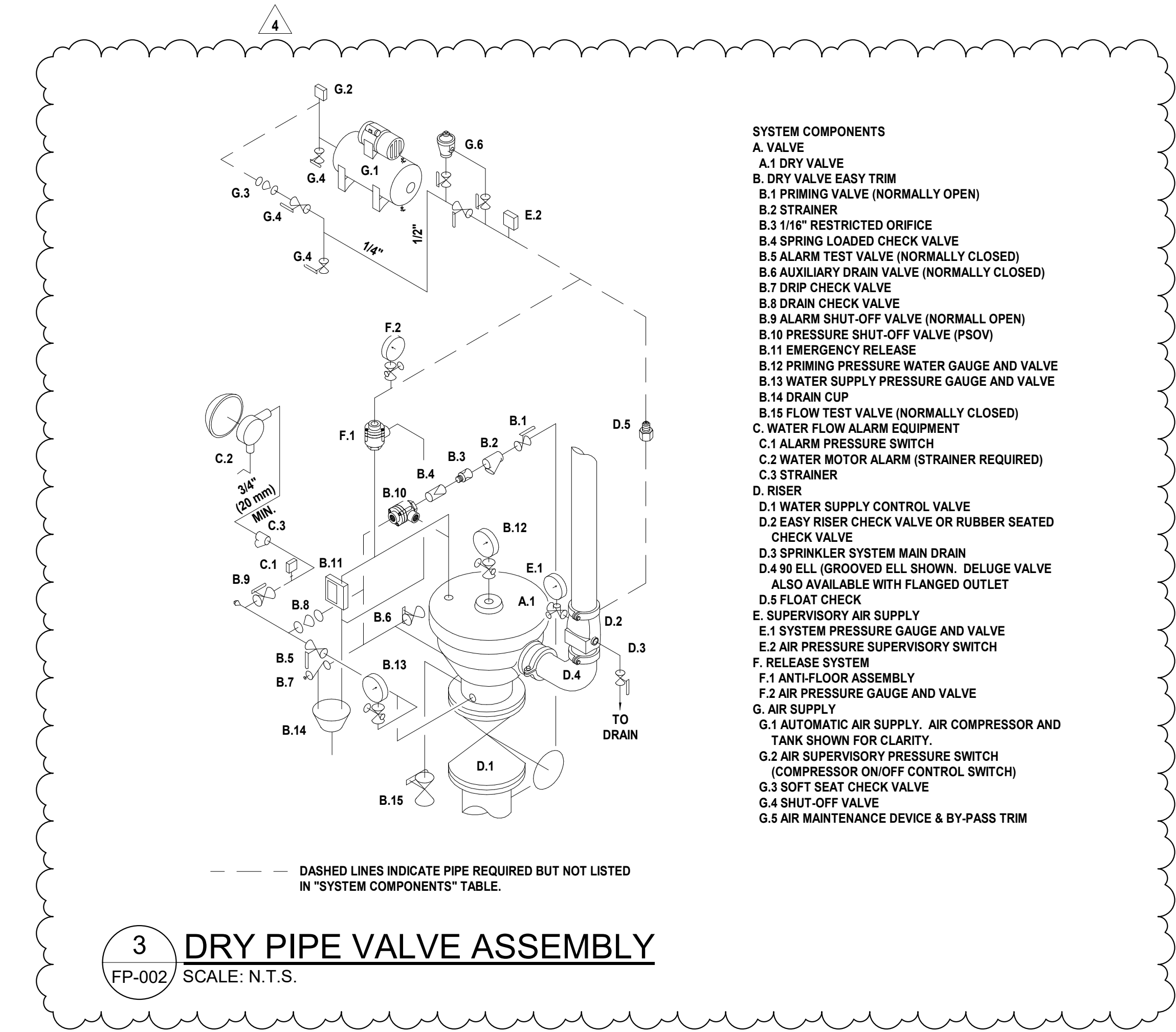
Project:  
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Date: 11.08.2023  
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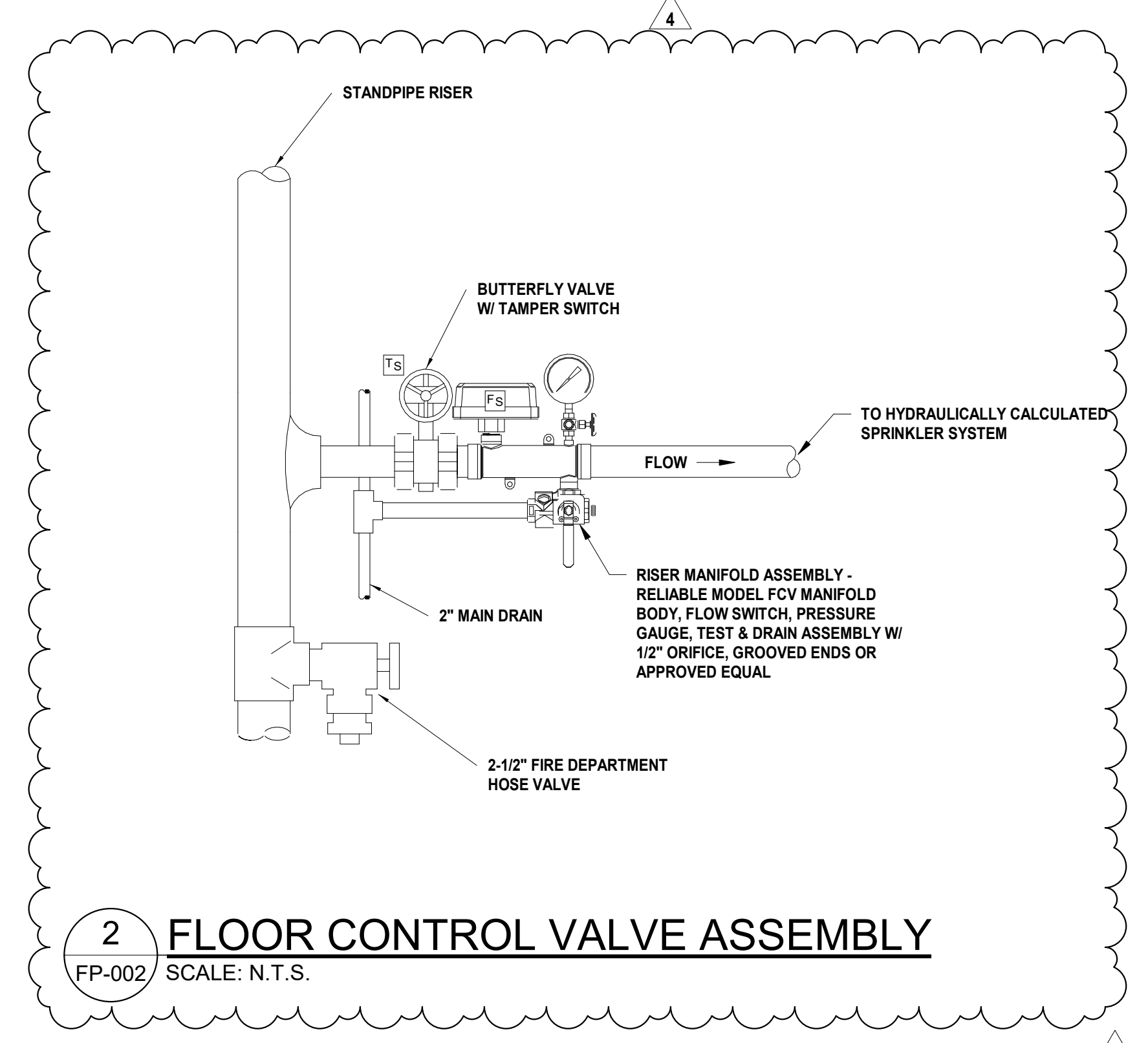
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**FIRE PROTECTION DETAILS**

Sheet No:

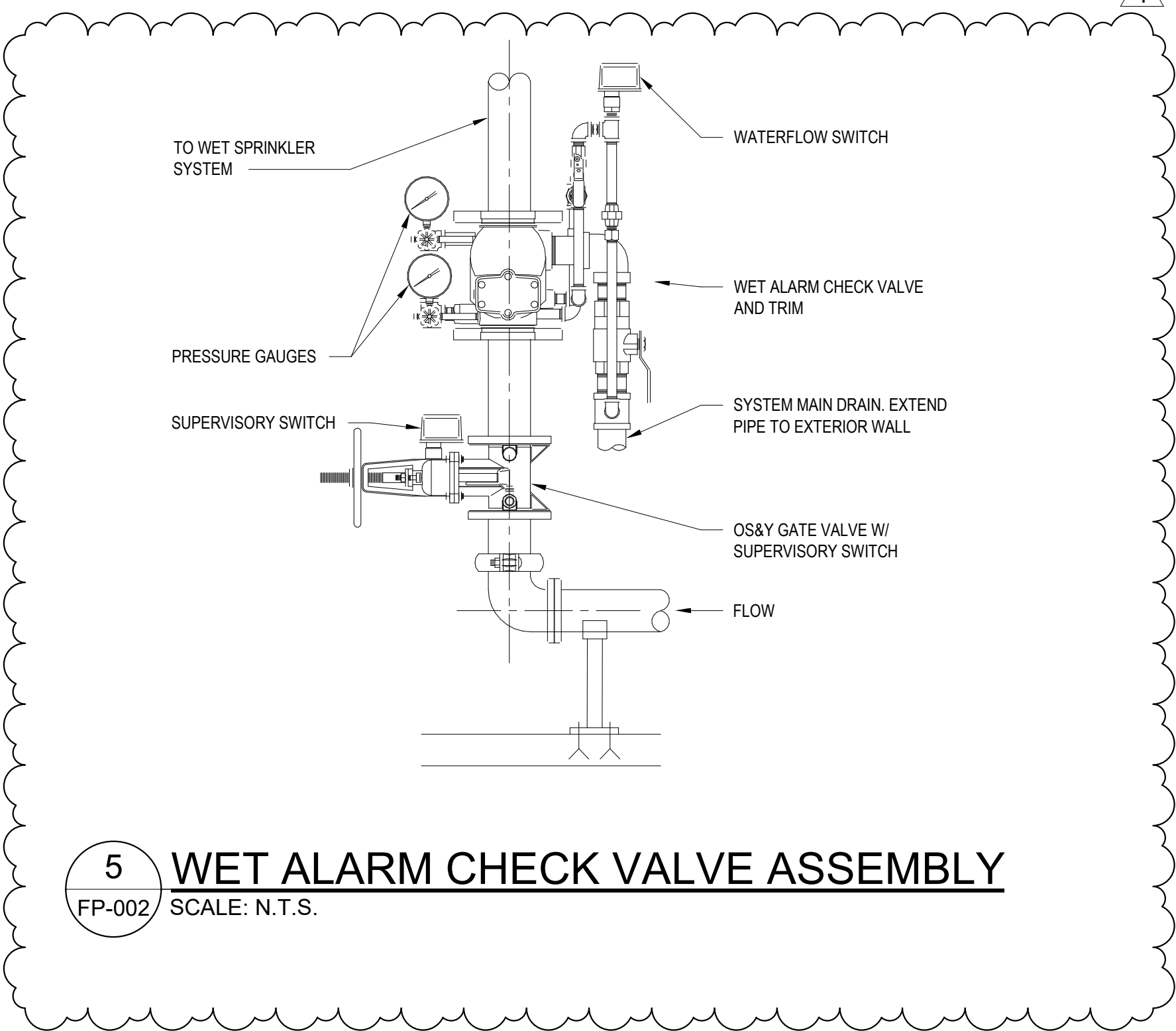
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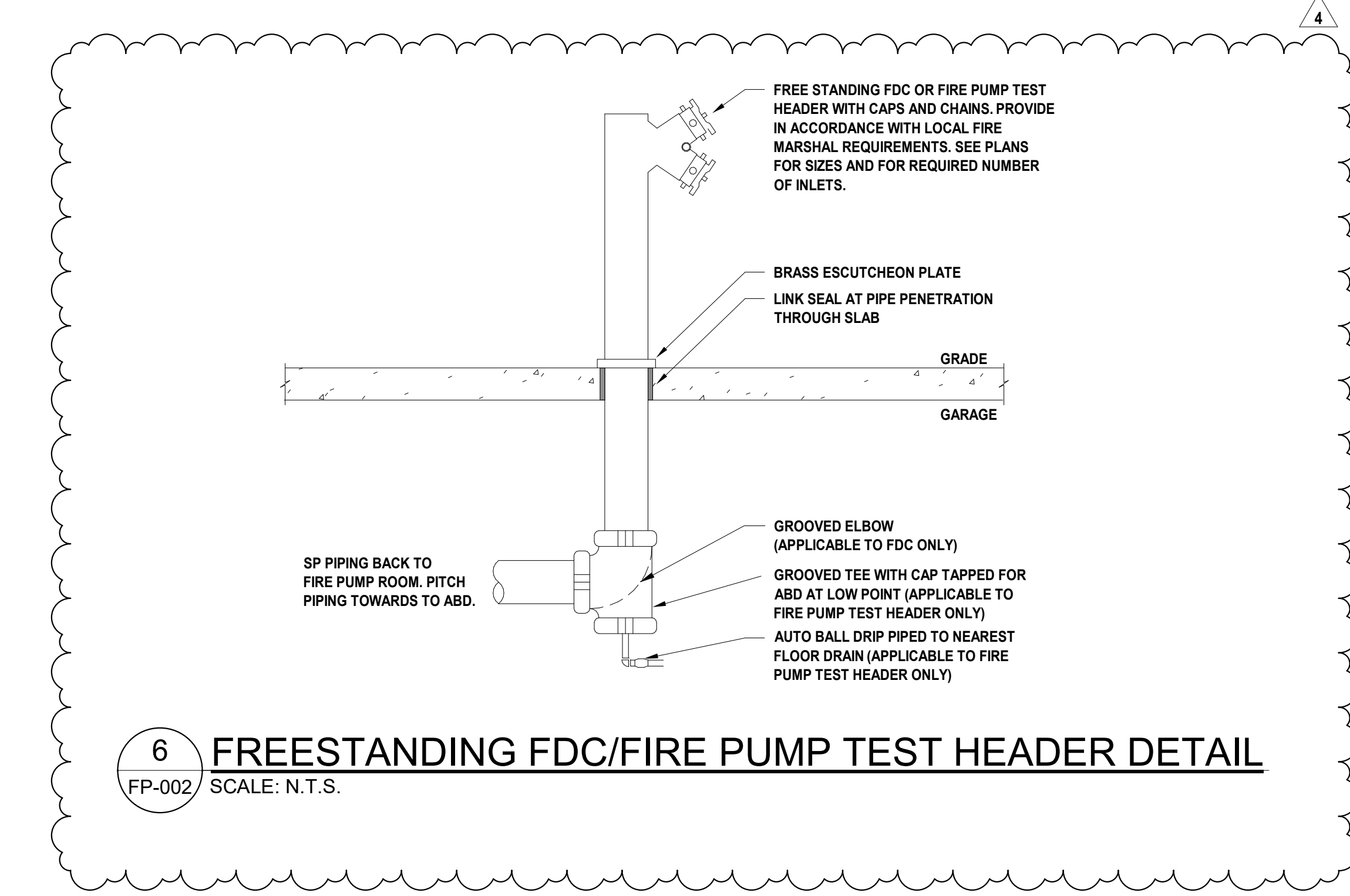
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FP-002 SCALE: N.T.S.



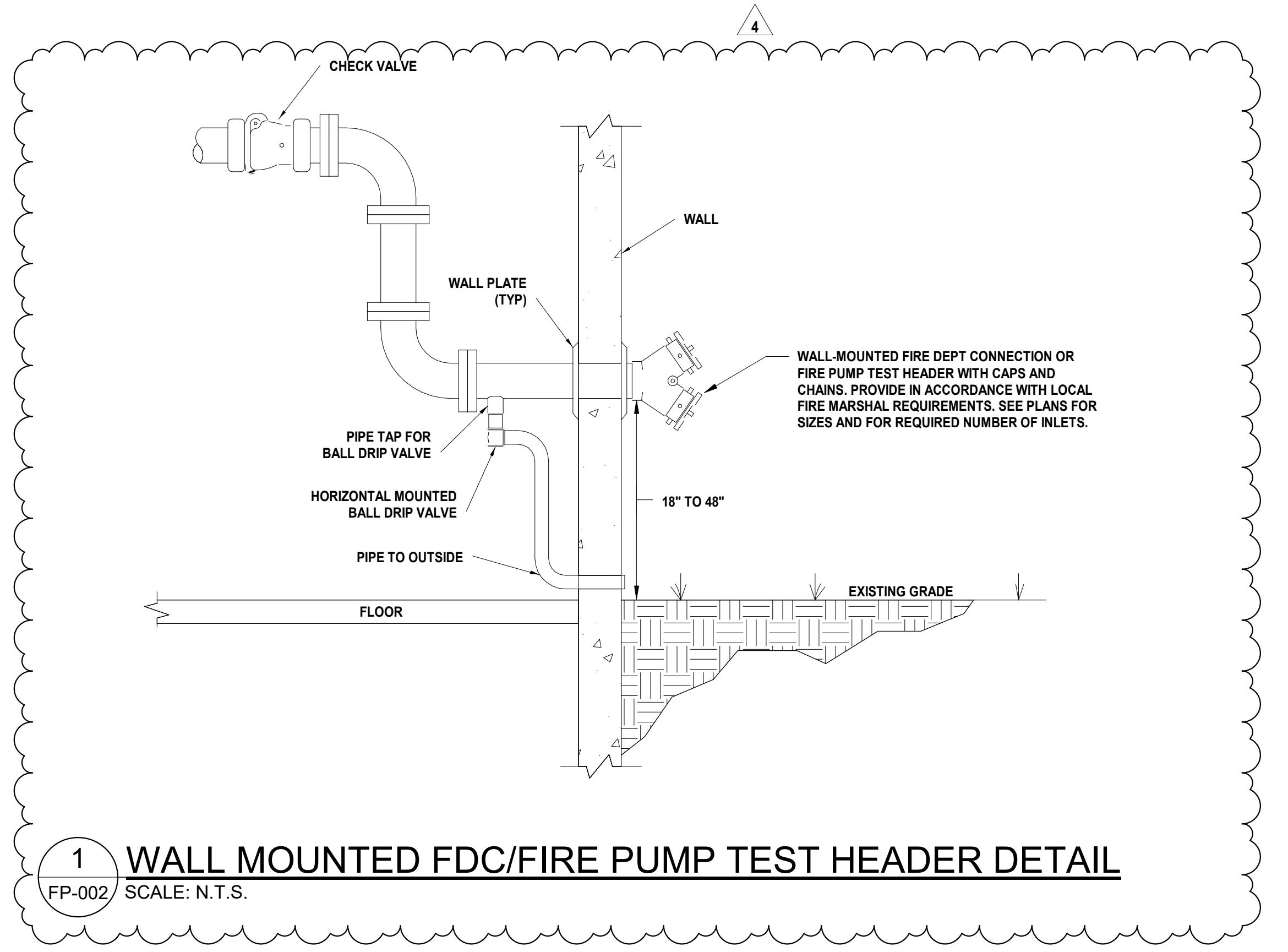
2 FLOOR CONTROL VALVE ASSEMBLY  
FP-002 SCALE: N.T.S.



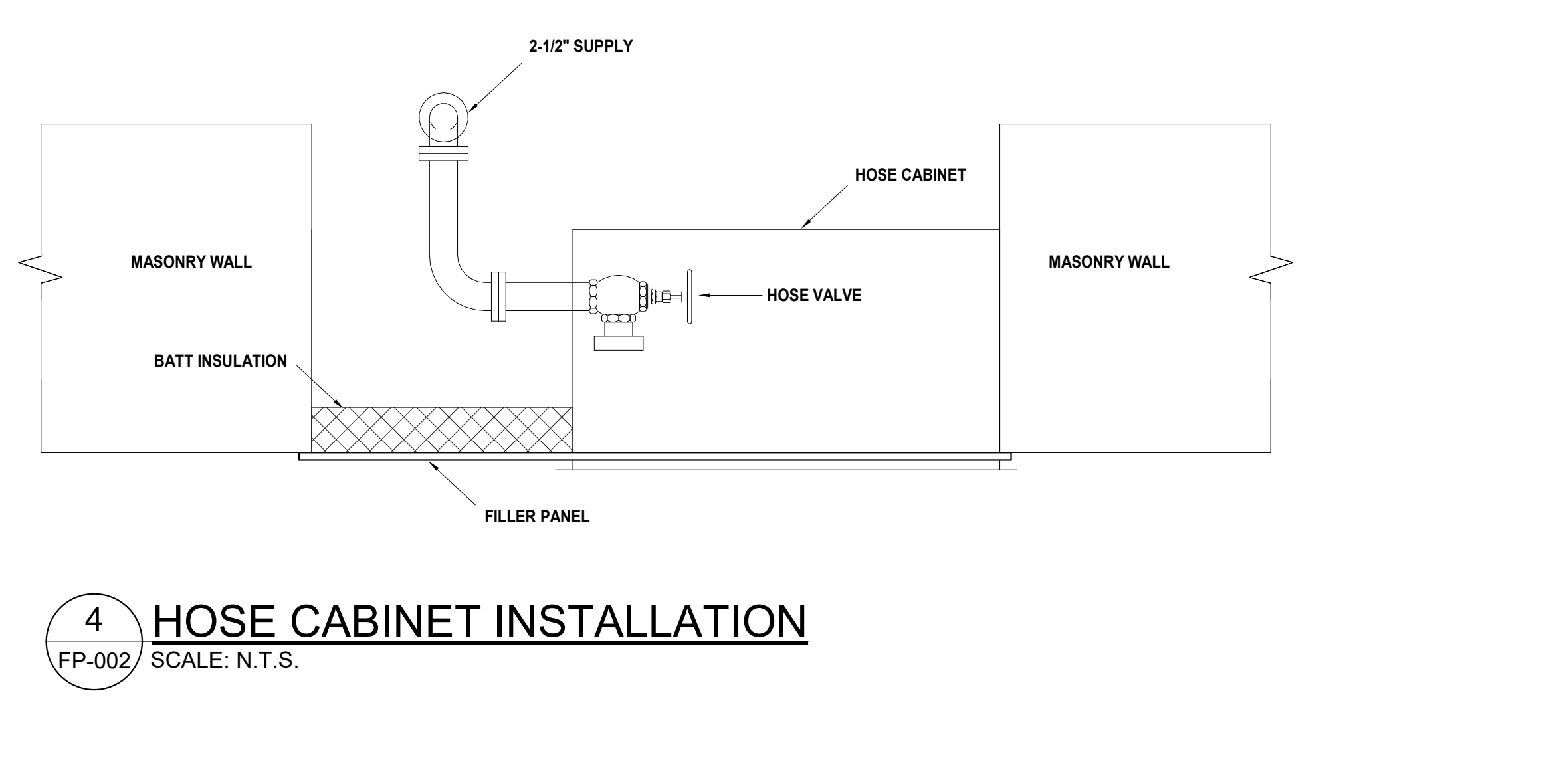
5 WET ALARM CHECK VALVE ASSEMBLY  
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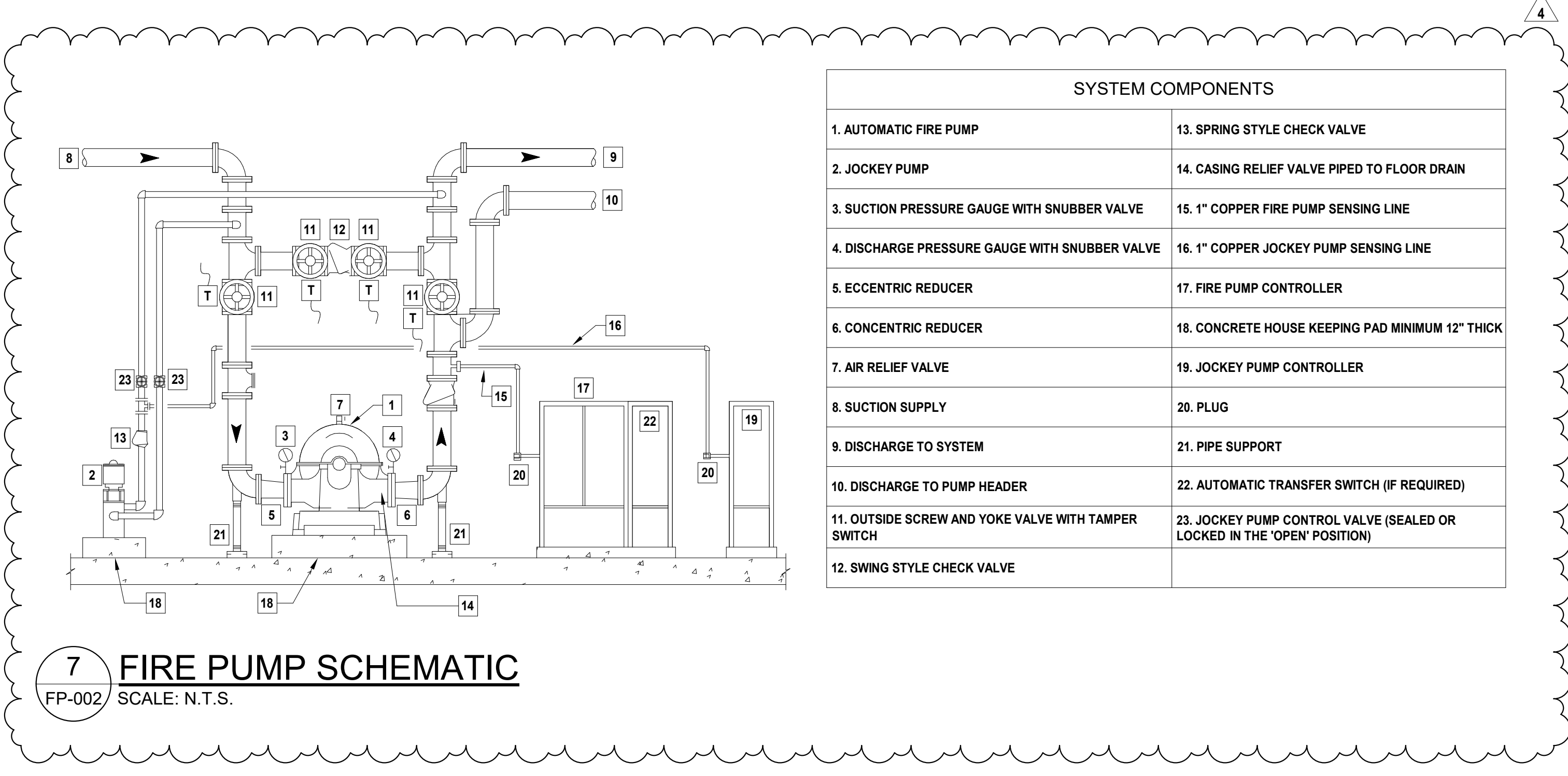
6 FREESTANDING FDC/FIRE PUMP TEST HEADER DETAIL  
FP-002 SCALE: N.T.S.



1 WALL MOUNTED FDC/FIRE PUMP TEST HEADER DETAIL  
FP-002 SCALE: N.T.S.



4 HOSE CABINET INSTALLATION  
FP-002 SCALE: N.T.S.



7 FIRE PUMP SCHEMATIC  
FP-002 SCALE: N.T.S.



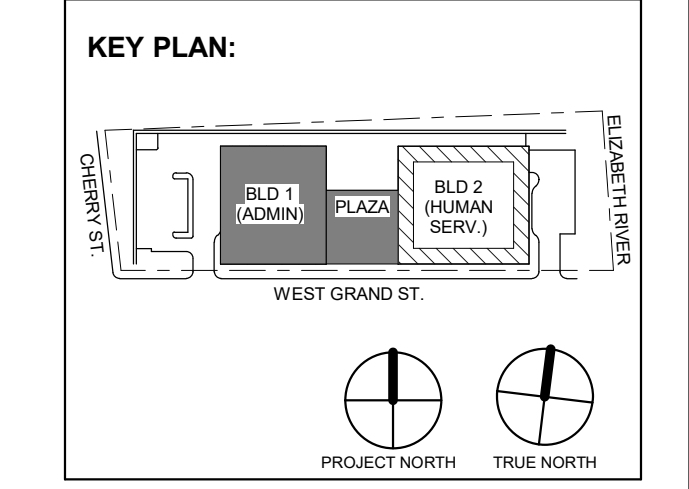


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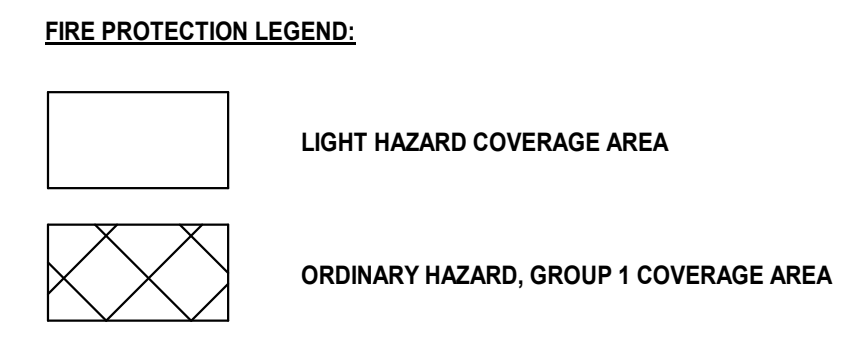
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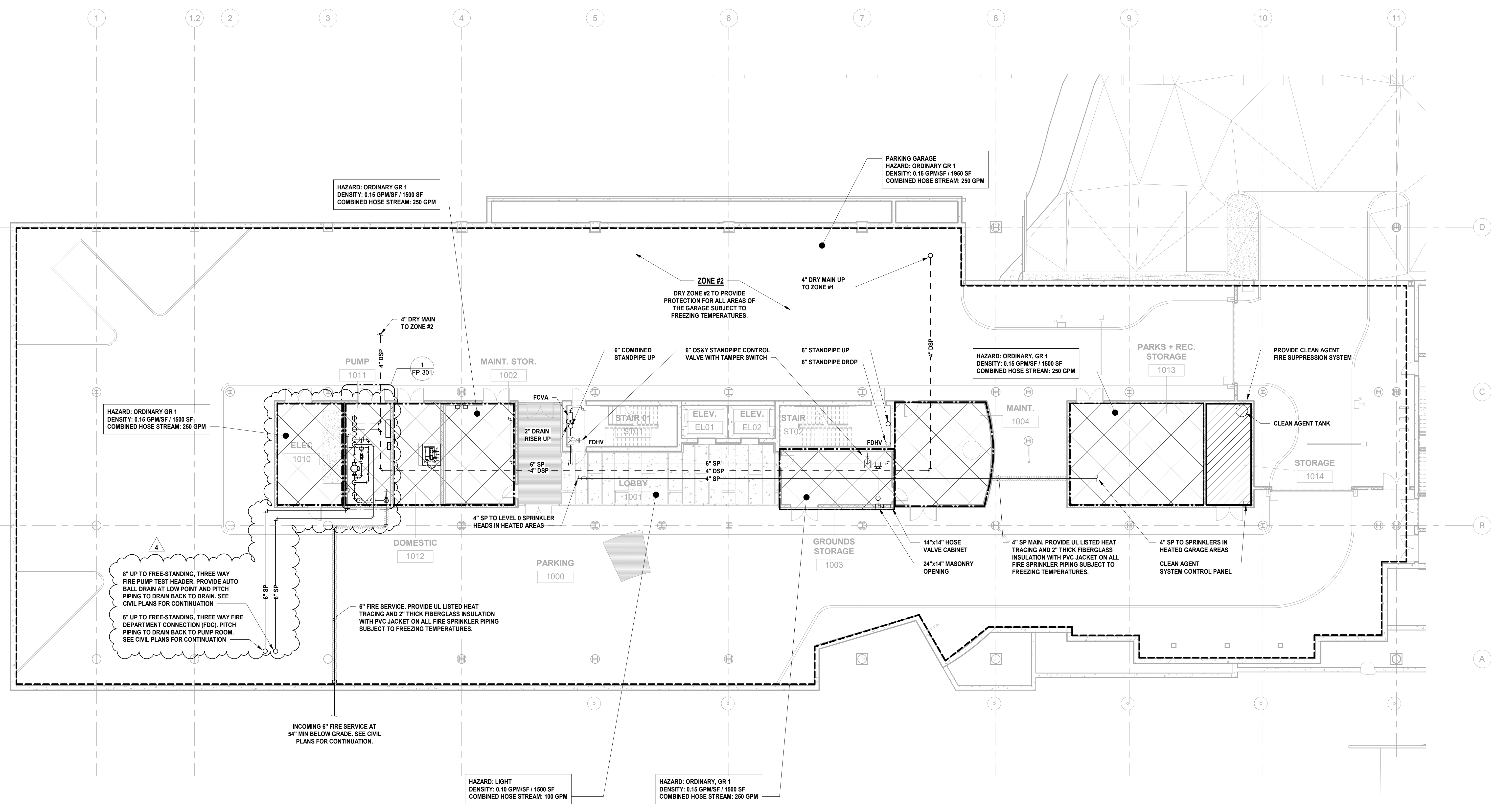
Sheet Name: BUILDING NO. 1 - LEVEL 0 - FIRE PROTECTION PLAN

Sheet No:

FP-101



- 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 - LEVEL 0 - FIRE PROTECTION SCALE: 3/32" = 1'-0"





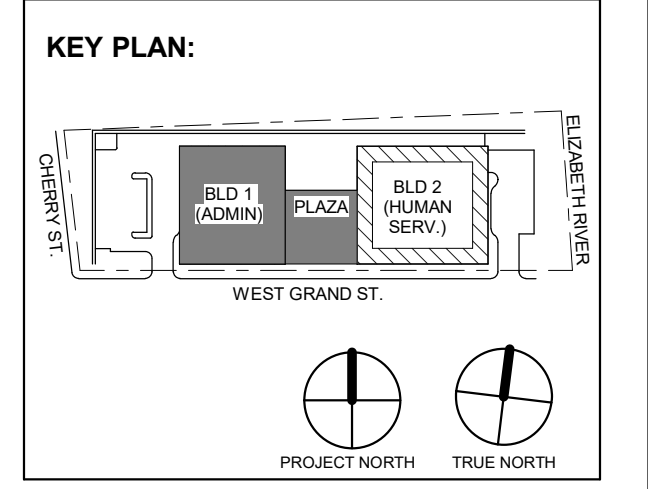


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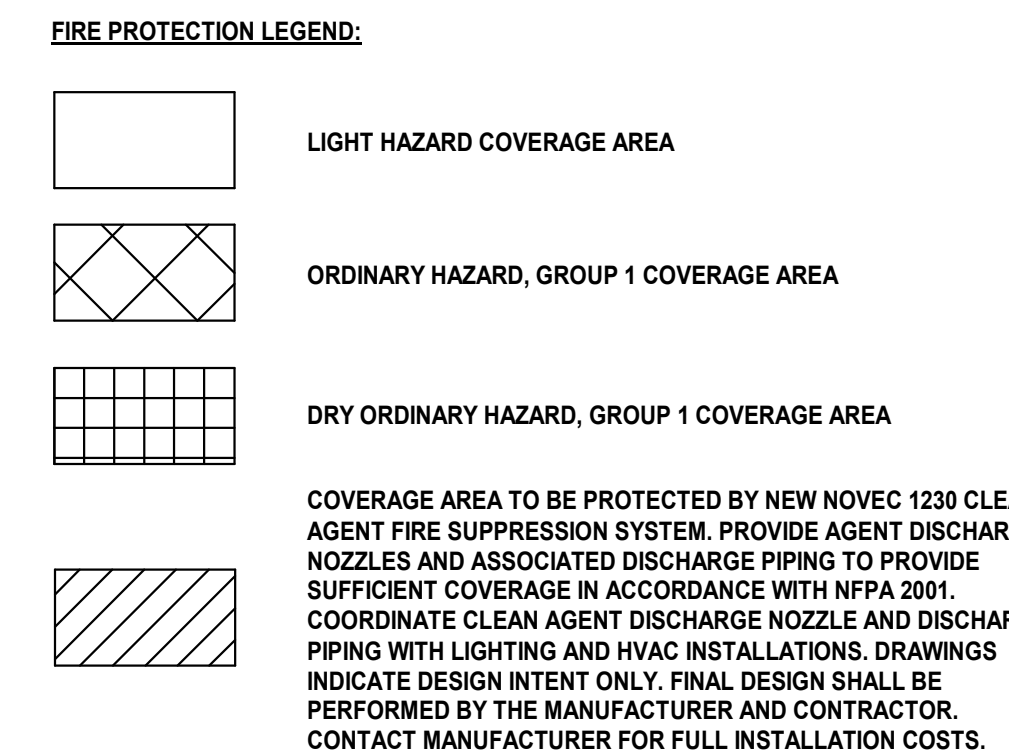
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Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JM/SH

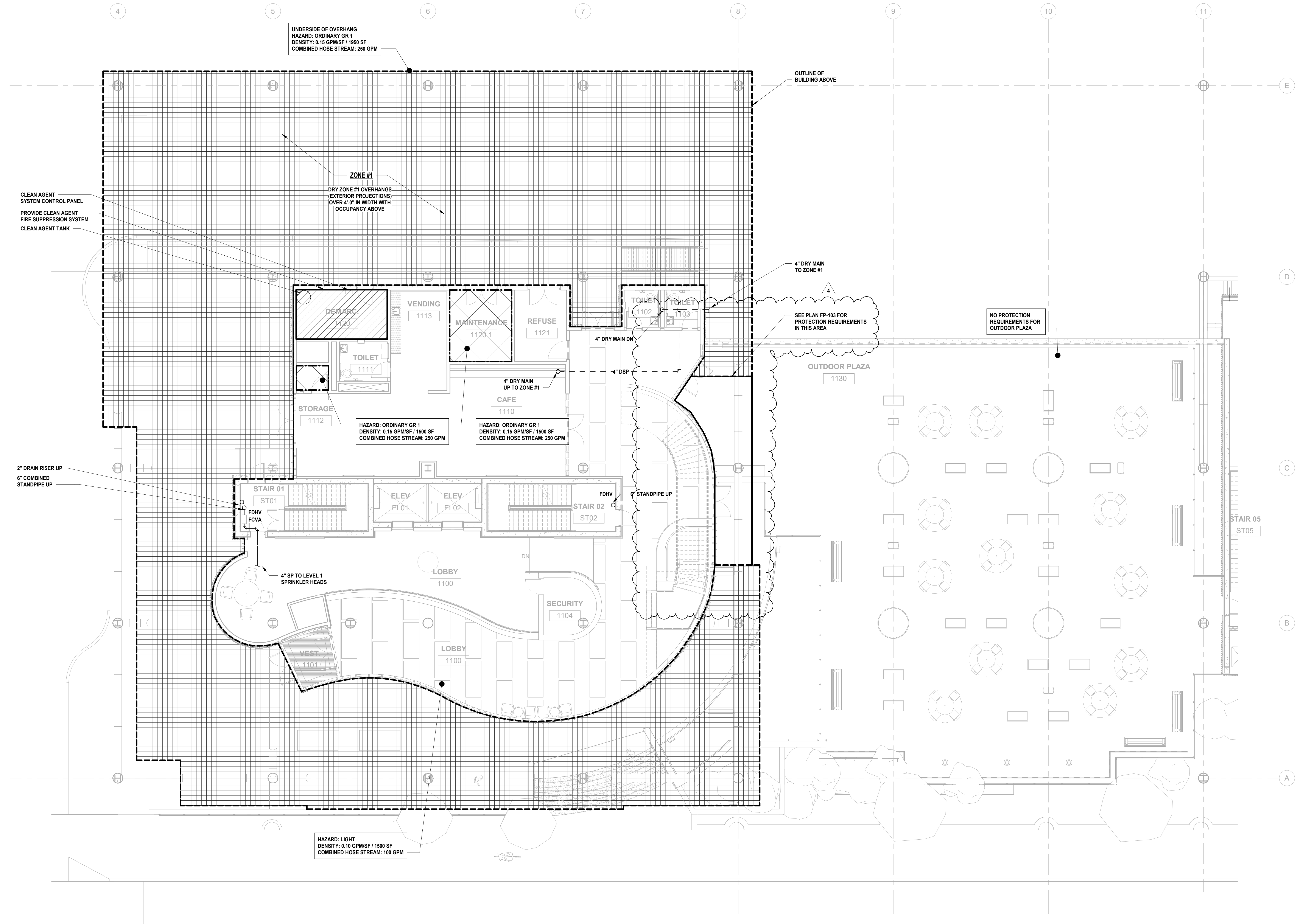
Sheet Name: BUILDING NO. 1 - LEVEL 1 - FIRE PROTECTION PLAN

Sheet No: FP-102



- CLEAN AGENT SYSTEM NOTES: 1. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAINING AND INSPECTION PROCEDURES TO BUILDING MANAGEMENT PERSONNEL. 2. CONTRACTOR SHALL PROVIDE AS-BUILTS OF THE INSTALLED SYSTEM THAT INCLUDE ALL CLEAN AGENT SYSTEM COMPONENTS, INCLUDING ALL ASSOCIATED PIPING, VALVES, AGENT EMITTER NOZZLES, DETECTION DEVICES, ALARM DEVICES, CONTROL EQUIPMENT, AND SIGNAGE. 3. CONTRACTOR TO PROVIDE CLOSE OUT DOCUMENTS THAT INCLUDE INSTALLATION AND OPERATIONAL MANUALS AND INSPECTION CHECKLISTS, AS PER SPECIFICATIONS. 4. CONTRACTOR RESPONSIBLE TO TEST THE INSTALLED CLEAN AGENT SYSTEM TO CONFIRM FIRE ALARM ACTIVATION AND POWER AND HVAC SYSTEM SHUTDOWNS. CONTRACTOR TO TEST ROOM PRESSURIZATION IN ACCORDANCE WITH NFPA 2001, APPENDIX C. 5. NOVEC 1230 CYLINDERS ARE SHOWN FOR DIAGRAMATIC PURPOSES ONLY. CONTRACTOR TO COORDINATE WITH MANUFACTURER TO DETERMINE THE QUANTITY AND SIZES OF NOVEC 1230 CYLINDERS REQUIRED TO ADEQUATELY PROTECT THE SPACE.

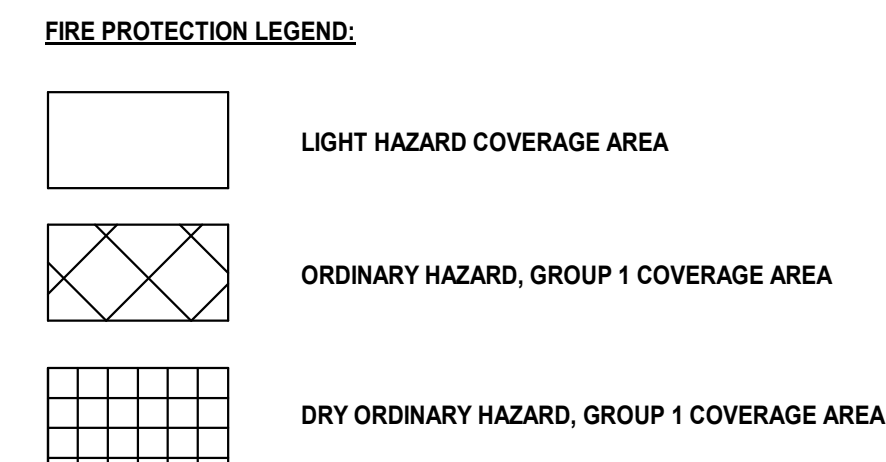
- FIRE PROTECTION GENERAL NOTES: 1. REFER TO FIRE PROTECTION LEAD SHEET, FP-001 FOR GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND PROJECT SCOPE DESCRIPTIONS FOR THIS PROJECT. 2. ALL SYSTEMS SHALL BE DESIGNED ON A HYDRAULICALLY CALCULATED BASIS BY THE FIRE PROTECTION CONTRACTOR. 3. THE FIRE PROTECTION CONTRACTOR 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-11. 5. PROVIDE ADDITIONAL SPRINKLER HEADS TO COMPLY WITH NFPA COVERAGE.



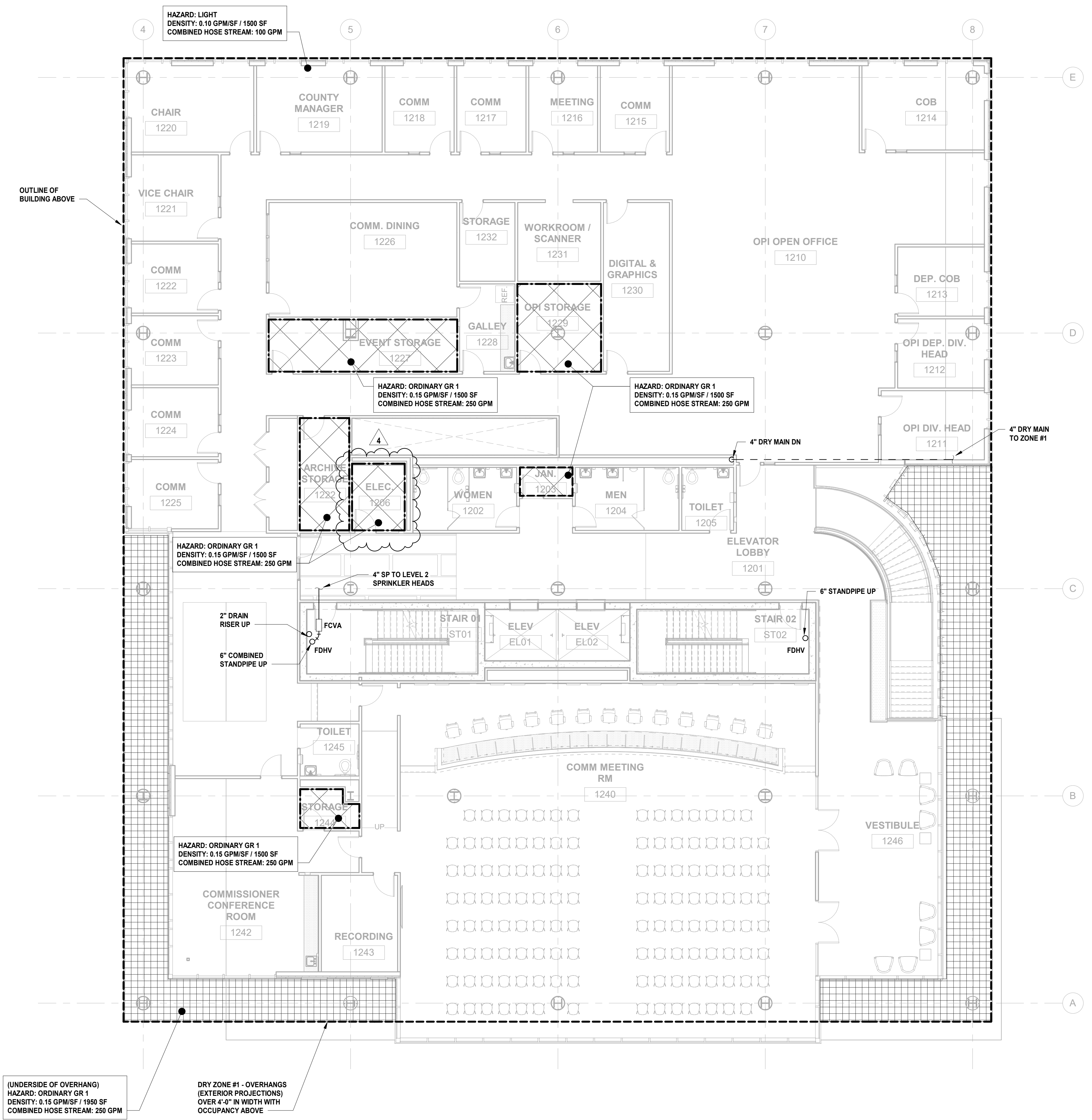
1 BUILDING NO. 1 - LEVEL 1 - FIRE PROTECTION SCALE: 1/8" = 1'-0"







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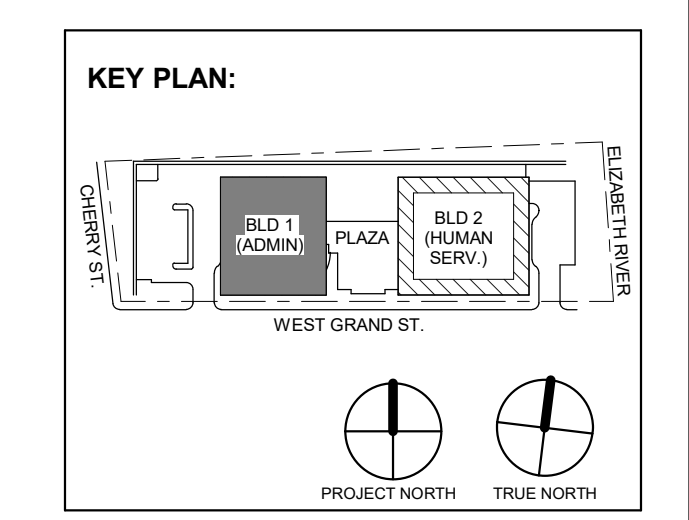


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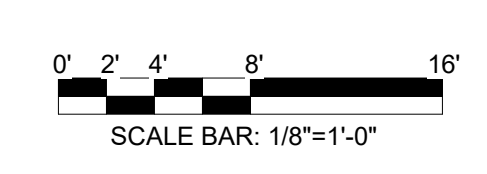
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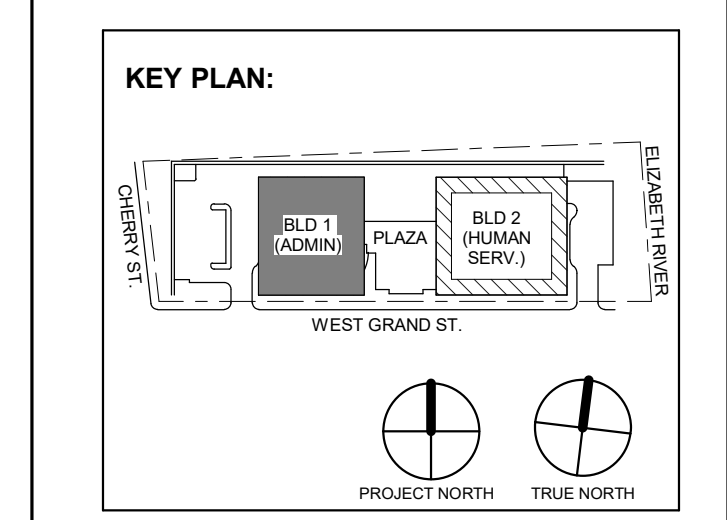
Sheet No:

FP-103

1 BUILDING NO. 1 - LEVEL 2 - FIRE PROTECTION FP-103 SCALE: 1/8" = 1'-0"







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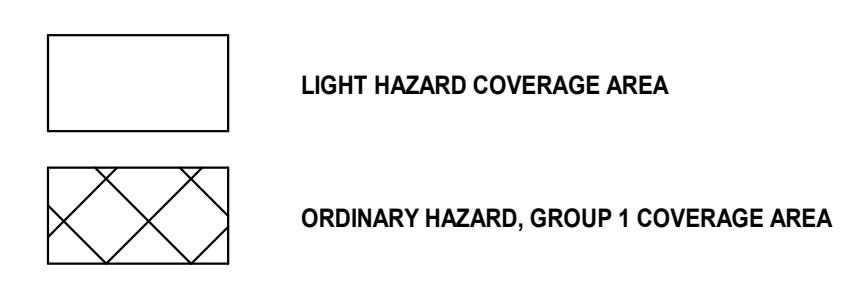
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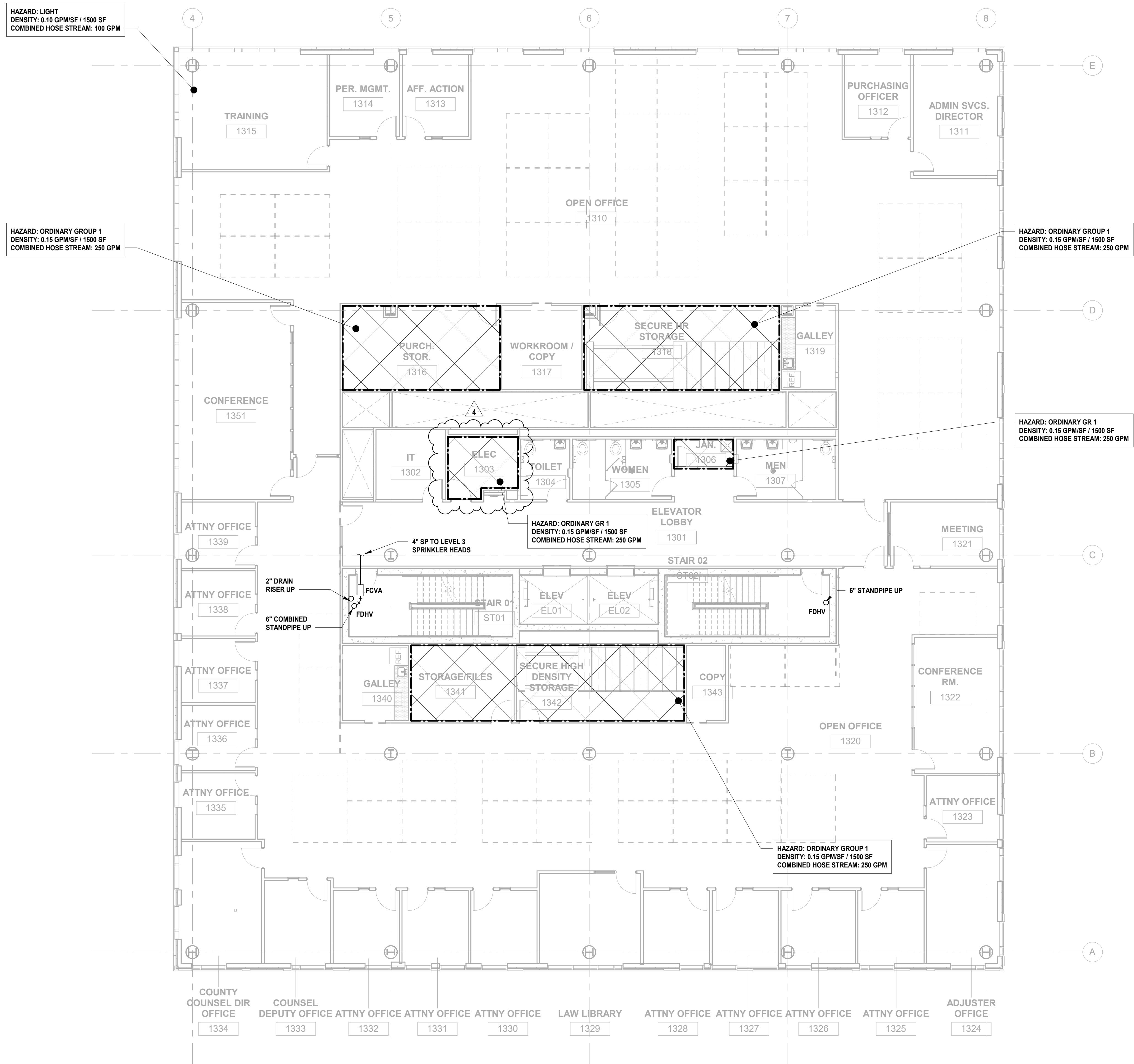
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FIRE PROTECTION LEGEND:

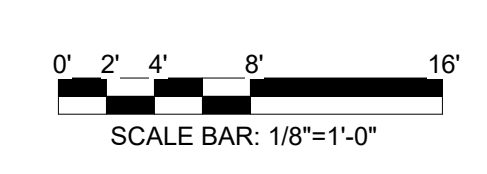


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1 BUILDING NO. 1 - LEVEL 3 - FIRE PROTECTION SCALE: 1/8" = 1'-0"



**FIRE PROTECTION LEGEND:**

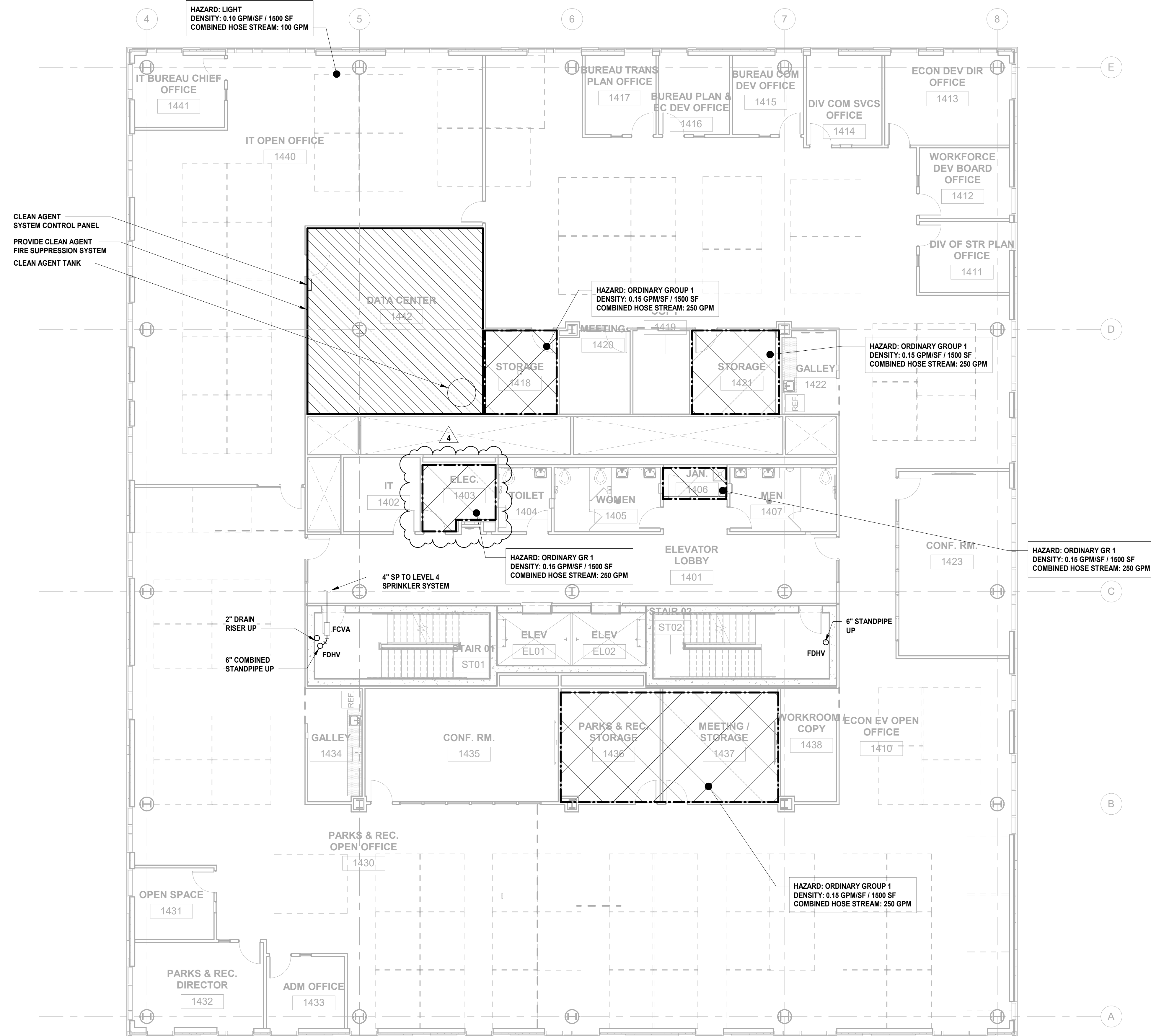
-  LIGHT HAZARD COVERAGE AREA
  -  ORDINARY HAZARD, GROUP 1 COVERAGE AREA
- COVERAGE AREA TO BE PROTECTED BY NEW NOVEC 1230 CLEAN AGENT FIRE SUPPRESSION SYSTEM. PROVIDE AGENT DISCHARGE NOZZLES AND ASSOCIATED DISCHARGE PIPING TO PROVIDE SUFFICIENT COVERAGE IN ACCORDANCE WITH NFPA 2001. COORDINATE CLEAN AGENT DISCHARGE NOZZLE AND DISCHARGE PIPING WITH LIGHTING AND HVAC INSTALLATIONS. DRAWINGS INDICATE DESIGN INTENT ONLY. FINAL DESIGN SHALL BE PERFORMED BY THE MANUFACTURER AND CONTRACTOR. CONTACT MANUFACTURER FOR FULL INSTALLATION COSTS.

**CLEAN AGENT SYSTEM NOTES:**

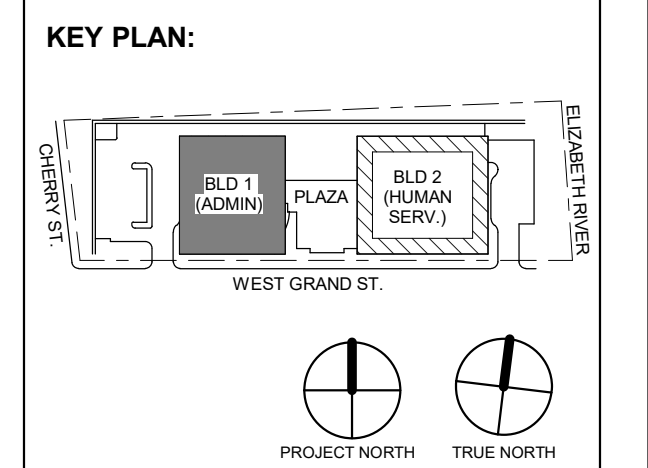
1. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAINING AND INSPECTION PROCEDURES TO BUILDING MANAGEMENT PERSONNEL.
2. CONTRACTOR SHALL PROVIDE AS-BUILTS OF THE INSTALLED SYSTEM THAT INCLUDE ALL CLEAN AGENT SYSTEM COMPONENTS, INCLUDING ALL ASSOCIATED PIPING, VALVES, AGENT EMITTER NOZZLES, DETECTION DEVICES, ALARM DEVICES, CONTROL EQUIPMENT, AND SIGNAGE.
3. CONTRACTOR TO PROVIDE CLOSE OUT DOCUMENTS THAT INCLUDE INSTALLATION AND OPERATIONAL MANUALS AND INSPECTION CHECKLISTS, AS PER SPECIFICATIONS.
4. CONTRACTOR RESPONSIBLE TO TEST THE INSTALLED CLEAN AGENT SYSTEM TO CONFIRM FIRE ALARM ACTIVATION AND POWER AND HVAC SYSTEM SHUTDOWNS. CONTRACTOR TO TEST ROOM PRESSURIZATION IN ACCORDANCE WITH NFPA 2001, APPENDIX C.
5. NOVEC 1230 CYLINDERS ARE SHOWN FOR DIAGRAMATIC PURPOSES ONLY. CONTRACTOR TO COORDINATE WITH MANUFACTURER TO DETERMINE THE QUANTITY AND SIZES OF NOVEC 1230 CYLINDERS REQUIRED TO ADEQUATELY PROTECT THE SPACE.

**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.



DESIGNED BY	CRG	CRG	JRM	JRM	
DRAWN BY					
CHECKED BY					
REVIEWED BY					
PROJECT No.	DIG2301	DATE:	12.22.2023	SCALE:	AS SHOWN



No.	Date	Description
4	12.22.2023	Addendum No. 04
	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 4 - FIRE PROTECTION PLAN**

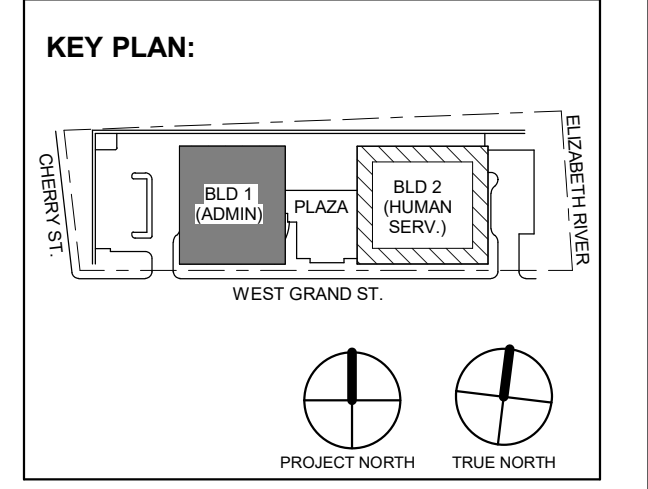
Sheet No:

**FP-105**

**1 BUILDING NO. 1 - LEVEL 4 - FIRE PROTECTION**  
 FP-105 SCALE: 1/8" = 1'-0"







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

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2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400

Jeffrey D. Venezia, AIA  
NJ RA AI 00827100



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Client: UNION COUNTY IMPROVEMENT AUTHORITY

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

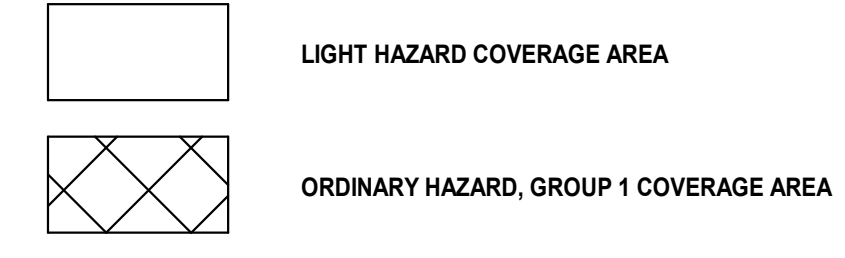
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JBA/VPC  
Checked By: JMSH

Sheet Name: BUILDING NO. 1 - LEVEL 5 - FIRE PROTECTION PLAN

Sheet No:

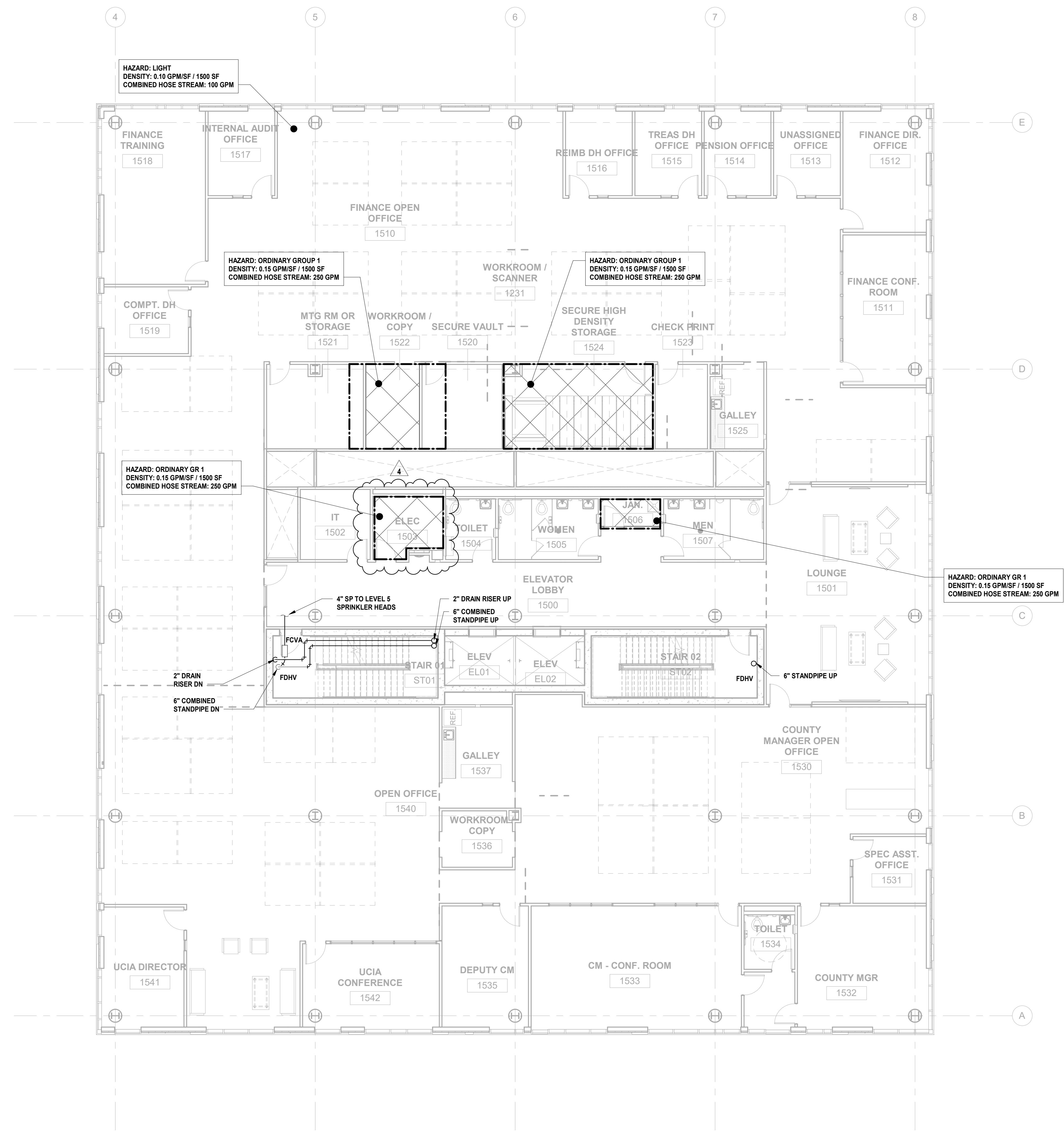
FP-106

FIRE PROTECTION LEGEND:

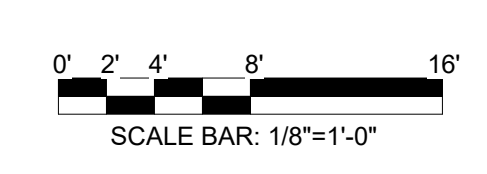


FIRE PROTECTION GENERAL NOTES:

- 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 - LEVEL 5 - FIRE PROTECTION
FP-106 SCALE: 1/8" = 1'-0"



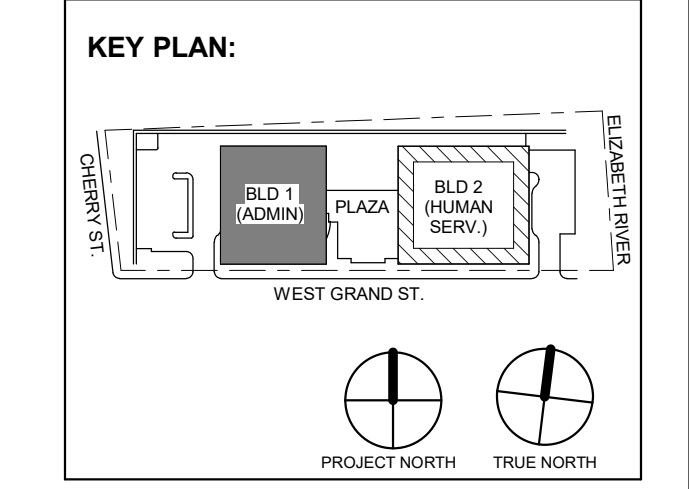
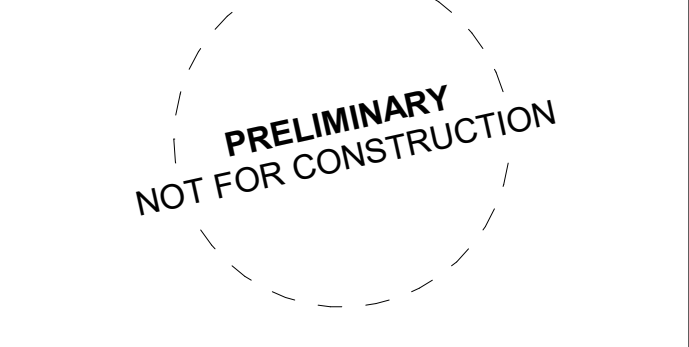


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Jeffrey D. Venezia, AIA NJ RA AI 00827100



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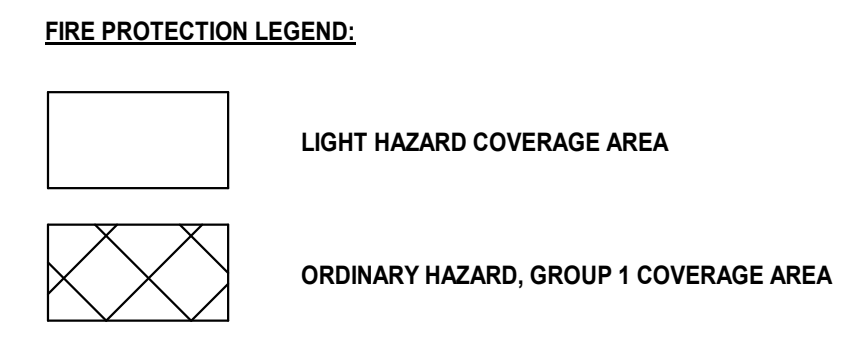
Client: UNION COUNTY IMPROVEMENT AUTHORITY

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

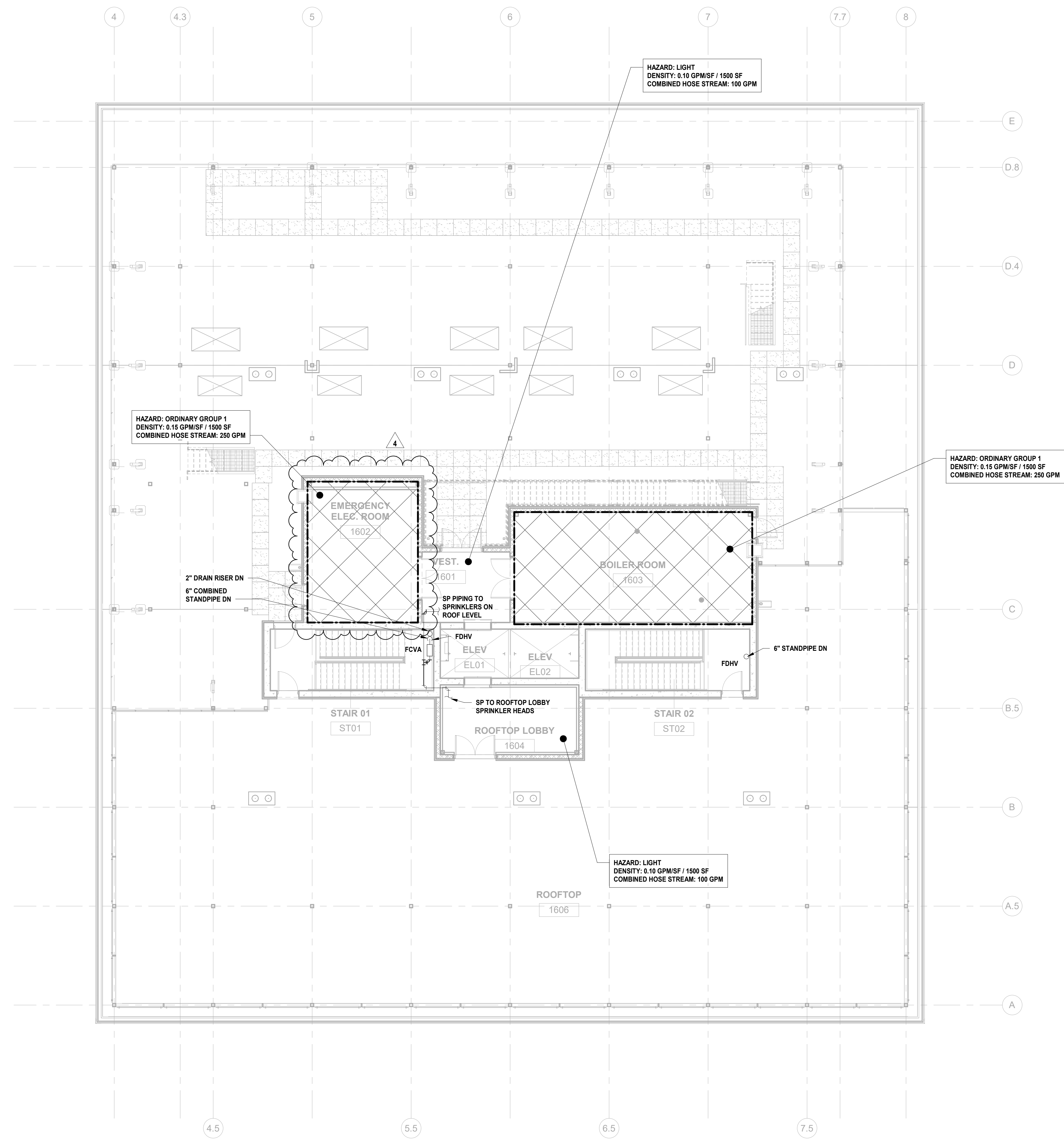
Drawing Information: Project No: 20.072 Date: 11.08.2023 Drawn By: JBA/VPC Checked By: JMSH

Sheet Name: BUILDING NO. 1 - ROOF - FIRE PROTECTION PLAN

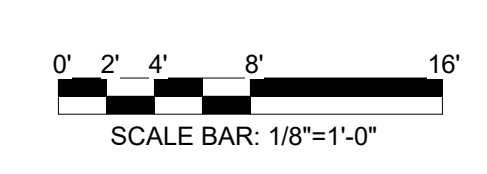
Sheet No: FP-107



- 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 - ROOF - FIRE PROTECTION SCALE: 1/8" = 1'-0"





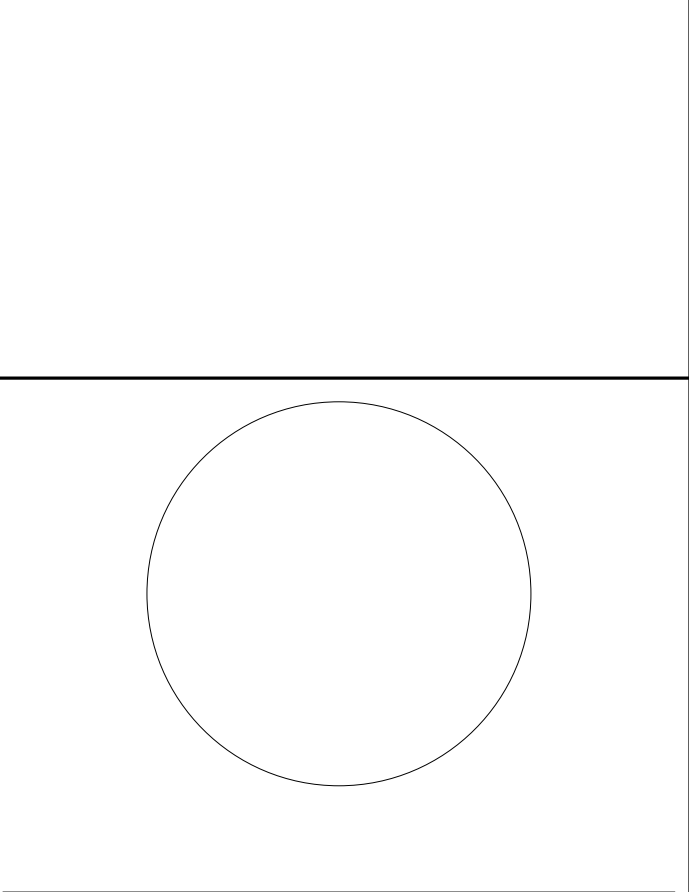


Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, REVIEWED BY, PROJECT No., DATE, SCALE.

Table with columns: CRG, JRM, SCALE.

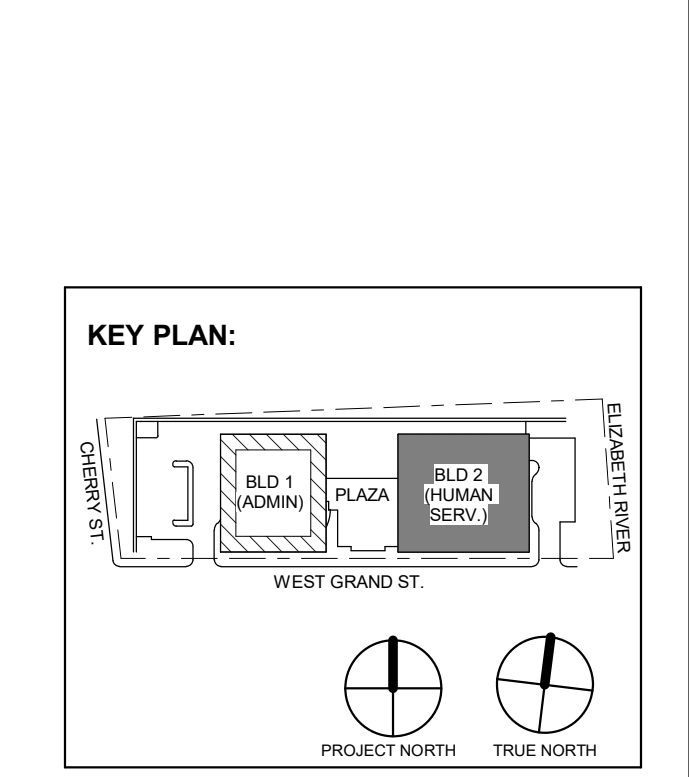


Table with columns: No., Date, Description, Revisions / Issues.

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Jeffrey D. Venezia, AIA NJ RA AI 00827100



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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 PROTECTION PLAN

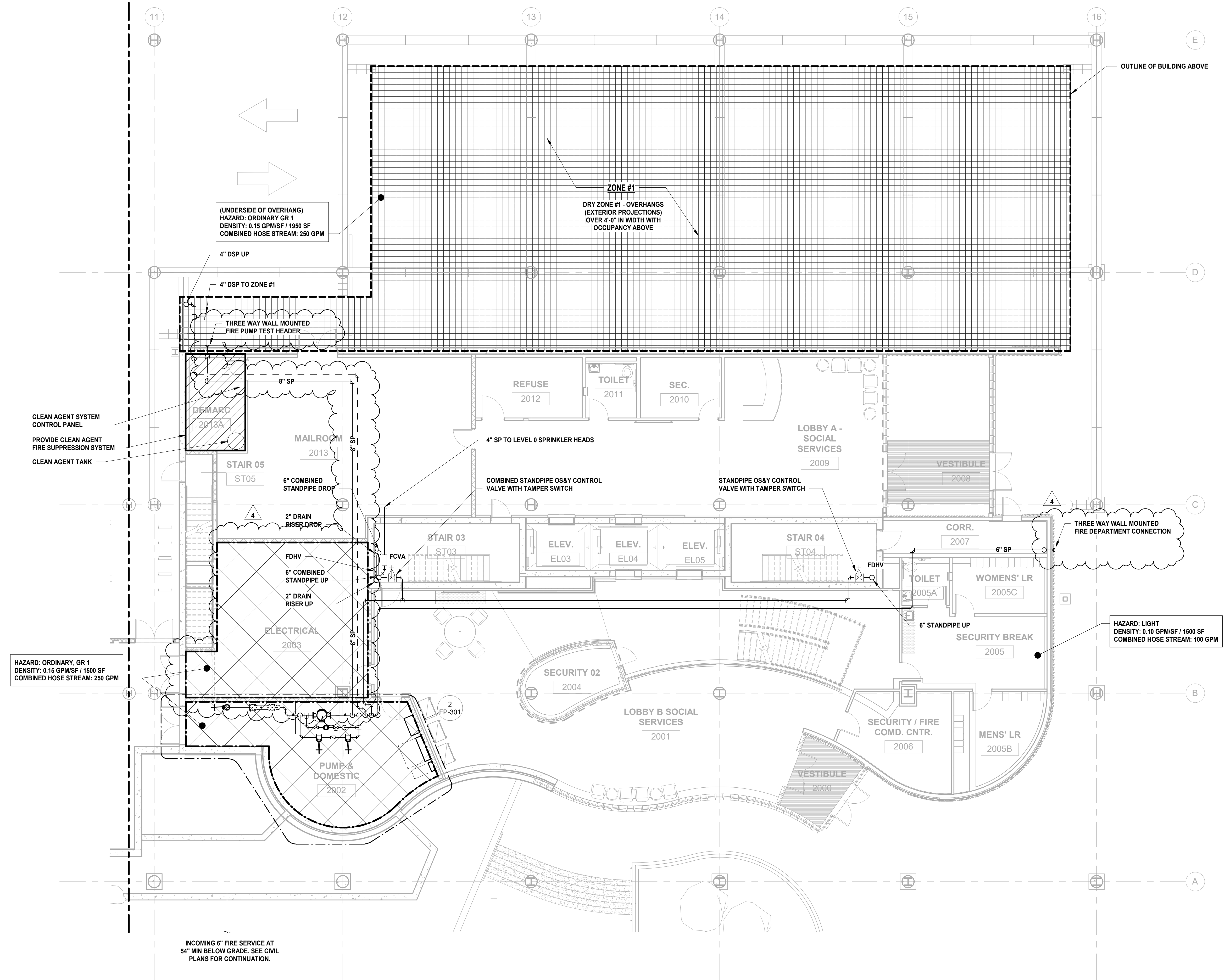
Sheet No:

FP-109

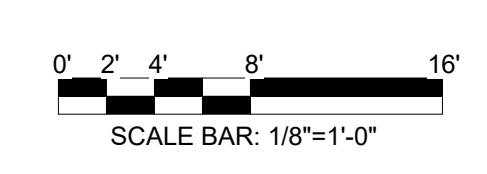
- FIRE PROTECTION LEGEND: LIGHT HAZARD COVERAGE AREA, ORDINARY HAZARD, GROUP 1 COVERAGE AREA, DRY ORDINARY HAZARD, GROUP 1 COVERAGE AREA. COVERAGE AREA TO BE PROTECTED BY NEW NOVEC 1230 CLEAN AGENT FIRE SUPPRESSION SYSTEM...

- CLEAN AGENT SYSTEM NOTES: 1. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAINING AND INSPECTION PROCEDURES TO BUILDING MANAGEMENT PERSONNEL. 2. CONTRACTOR SHALL PROVIDE AS-BUILTS OF THE INSTALLED SYSTEM THAT INCLUDE ALL CLEAN AGENT SYSTEM COMPONENTS...

- 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.



1 BUILDING NO. 2 - LEVEL 0 - FIRE PROTECTION SCALE: 1/8" = 1'-0"

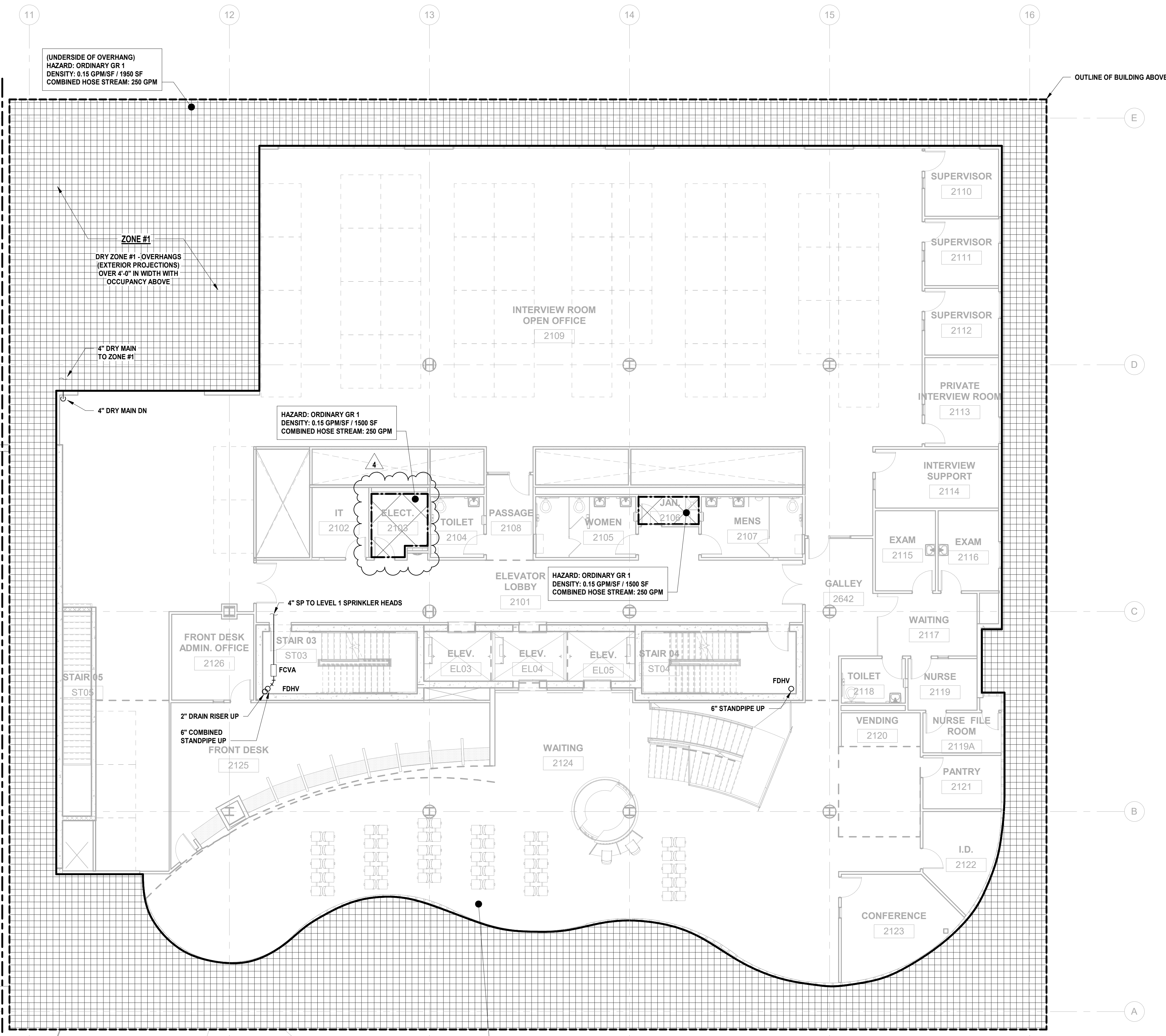


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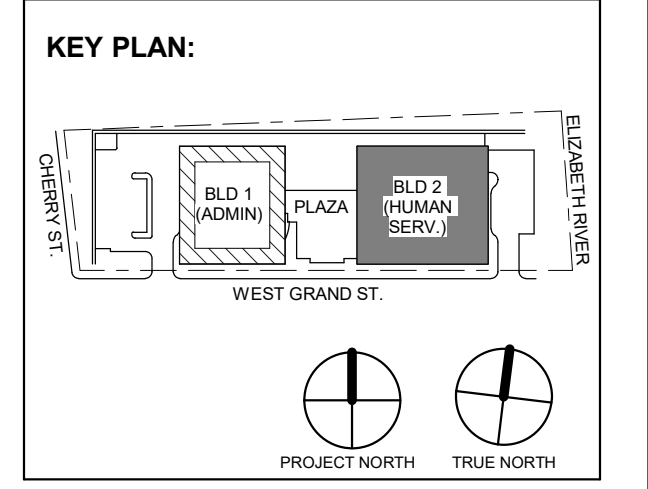
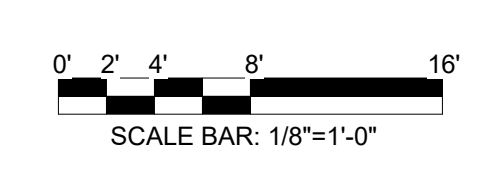
- [Empty Box] LIGHT HAZARD COVERAGE AREA
- [Cross-hatched Box] ORDINARY HAZARD, GROUP 1 COVERAGE AREA
- [Grid-hatched Box] DRY ORDINARY HAZARD, GROUP 1 COVERAGE AREA

FIRE PROTECTION GENERAL NOTES:

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4. PROVIDE SPRINKLER COVERAGE UNDER OBSTRUCTIONS AS REQUIRED BY NFPA-13.
5. PROVIDE ADDITIONAL SPRINKLER HEADS TO COMPLY WITH NFPA COVERAGE.



1 BUILDING NO. 2 - LEVEL 1 - FIRE PROTECTION  
FP-110 SCALE: 1/8" = 1'-0"



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Jeffrey D. Venezia, AIA  
NJ RA AI 05827100

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NOT FOR CONSTRUCTION

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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 PROTECTION PLAN

Sheet No:

**FP-110**



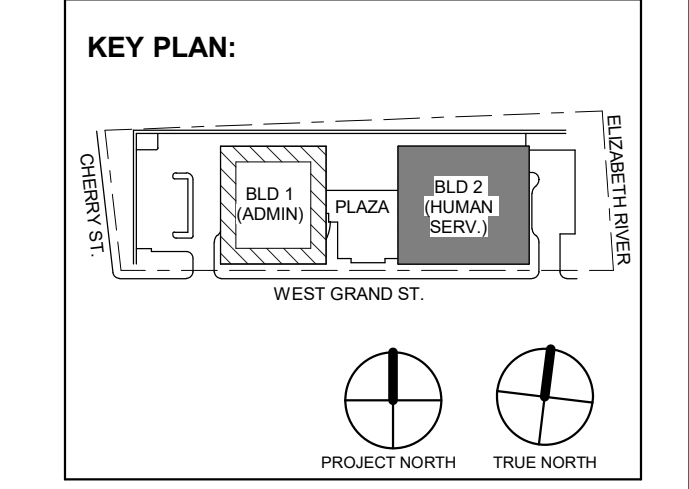


Table with 4 columns: No., Date, Description, Revisions / Issues. Row 1: 4, 12.22.2023, Addendum No. 04, For Public Bid.

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Jeffrey D. Venezia, AIA  
NJ RA AI 00827100



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Client:  
UNION COUNTY IMPROVEMENT AUTHORITY

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

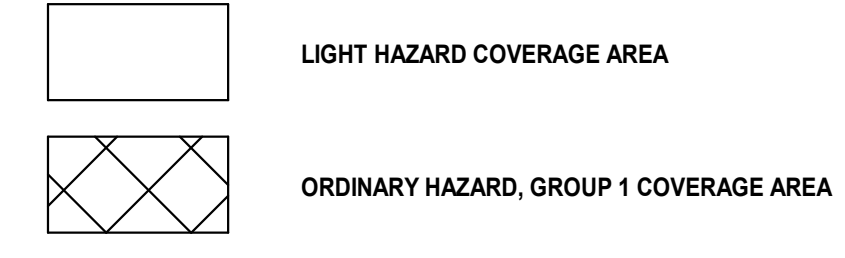
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JBA/VPC  
Checked By: JM/SH

Sheet Name:  
**BUILDING NO. 2 - LEVEL 2 - FIRE PROTECTION PLAN**

Sheet No:

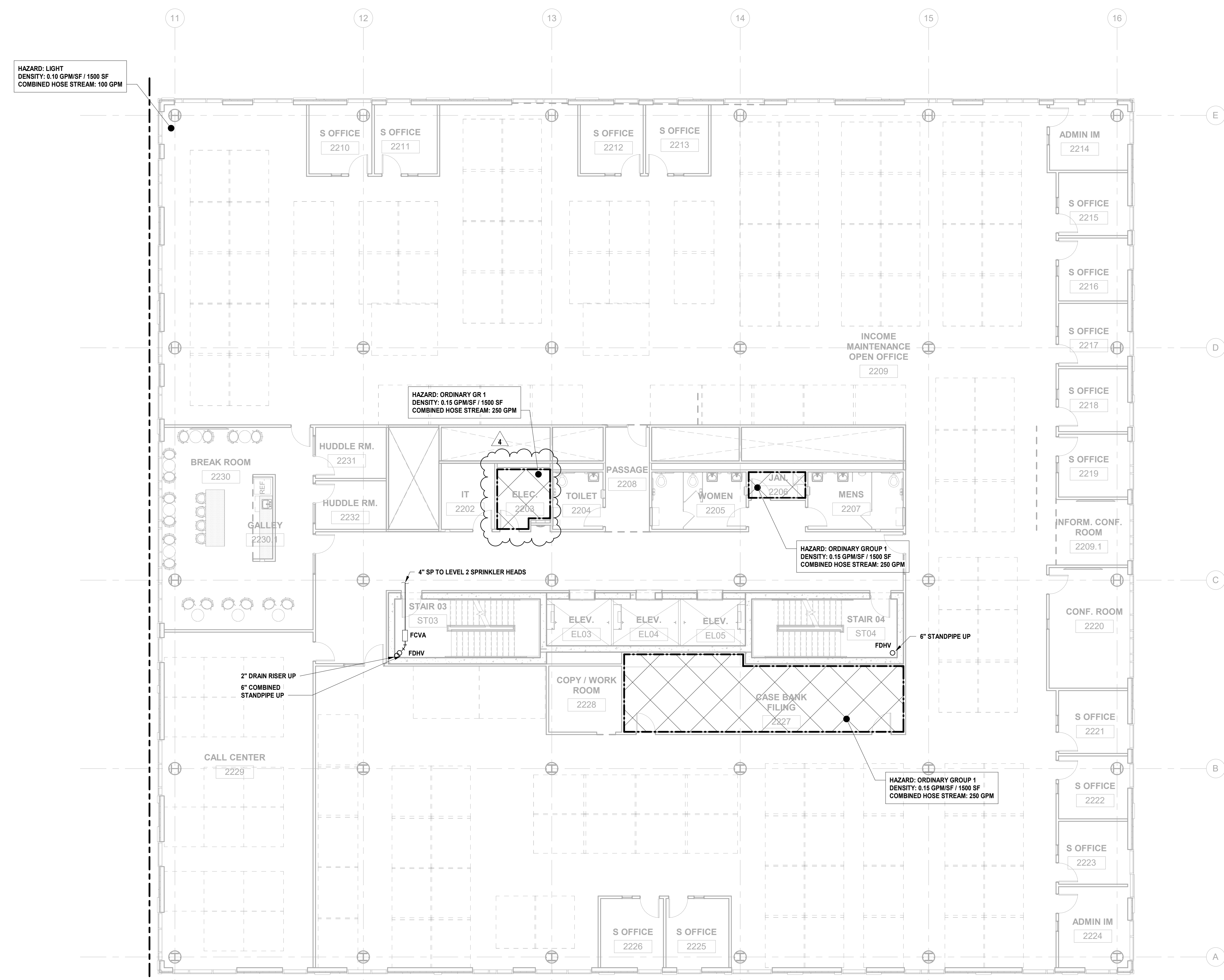
**FP-111**

**FIRE PROTECTION LEGEND:**



**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. 2 - LEVEL 2 - FIRE PROTECTION**  
SCALE: 1/8" = 1'-0"









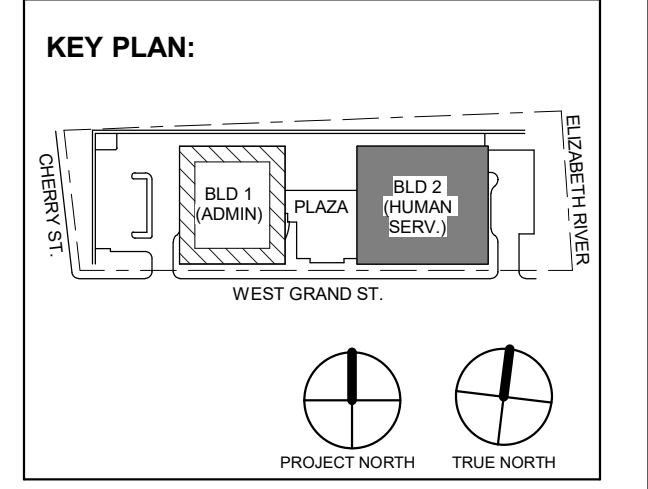


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Jeffrey D. Venezia, AIA  
NJ RA AI 00827100

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Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

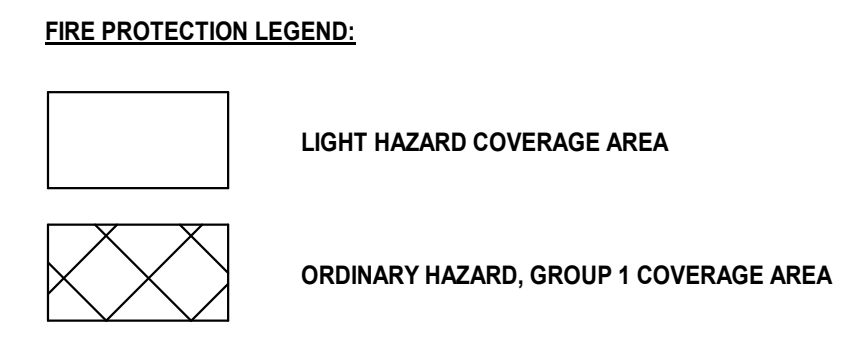
Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
81 & 83 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY, 07202

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

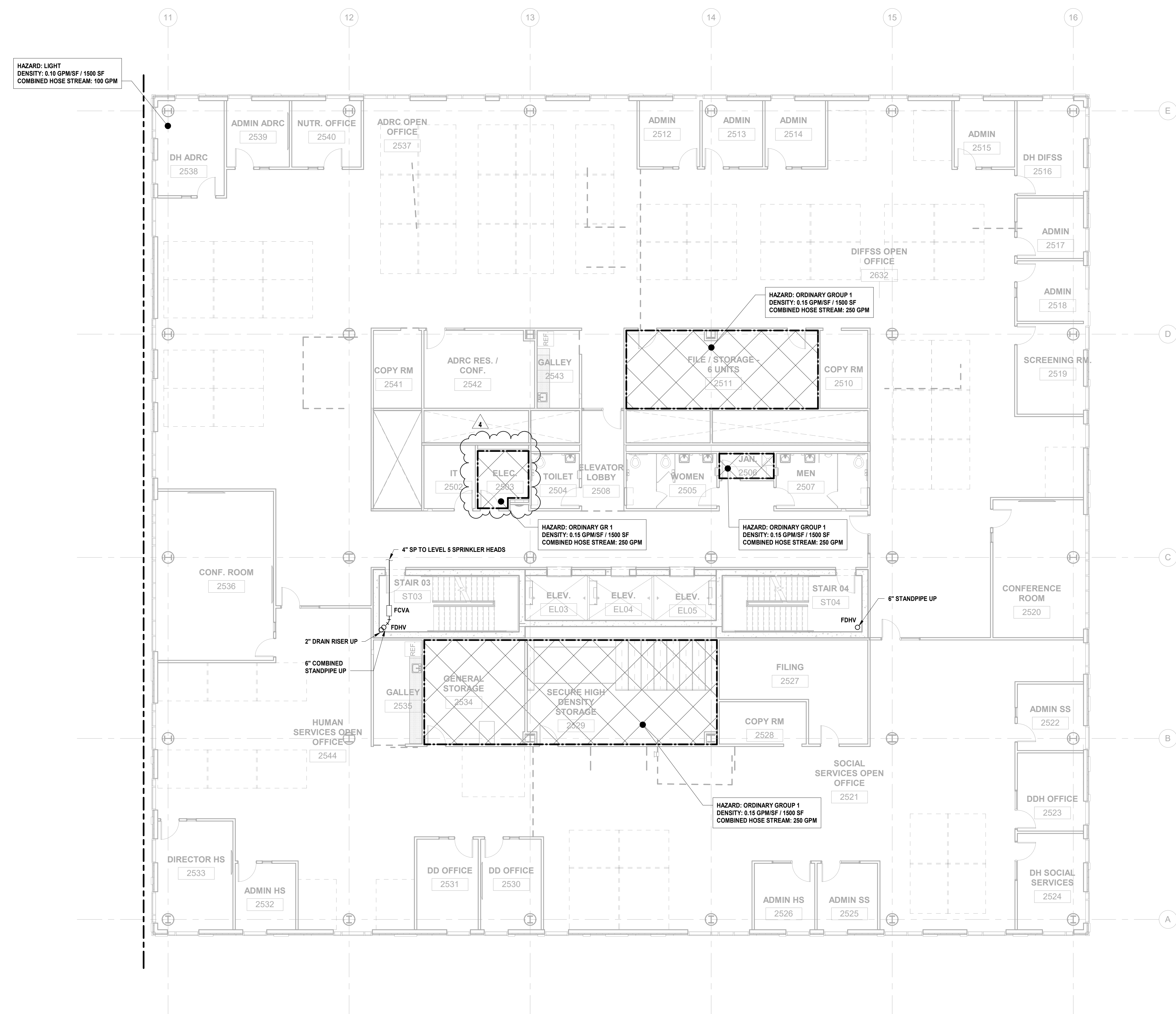
Sheet Name:  
**BUILDING NO. 2 - LEVEL 5 - FIRE PROTECTION PLAN**

Sheet No:

**FP-114**



- 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.
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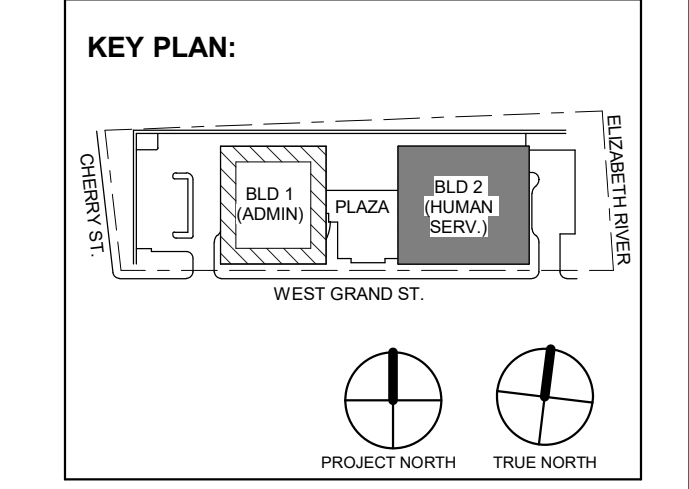


**1 BUILDING NO. 2 - LEVEL 5 - FIRE PROTECTION**  
FP-114 SCALE: 1/8" = 1'-0"





DESIGNED BY	CRG	CRG	JRM	JRM	
DRAWN BY					
CHECKED BY					
REVIEWED BY					
PROJECT NO.	DIG2301	DATE:	12.22.2023	SCALE:	AS SHOWN



4	12.22.2023	Addendum No. 04
	11.08.2023	For Public Bid
No.	Date	Description
Revisions / Issues		

**DIGroupArchitecture**  
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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

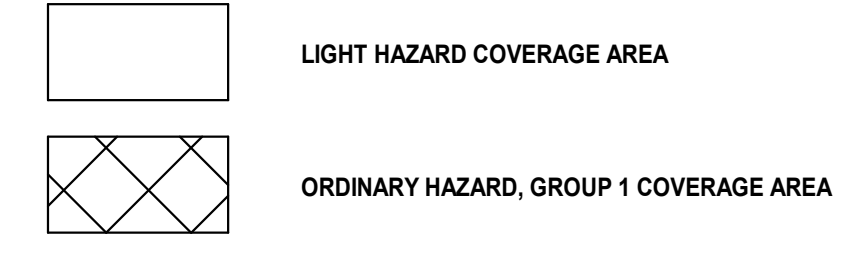
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JBA/VPC  
Checked By: JM/SH

Sheet Name:  
**BUILDING NO. 2 - LEVEL 6 - FIRE PROTECTION PLAN**

Sheet No:

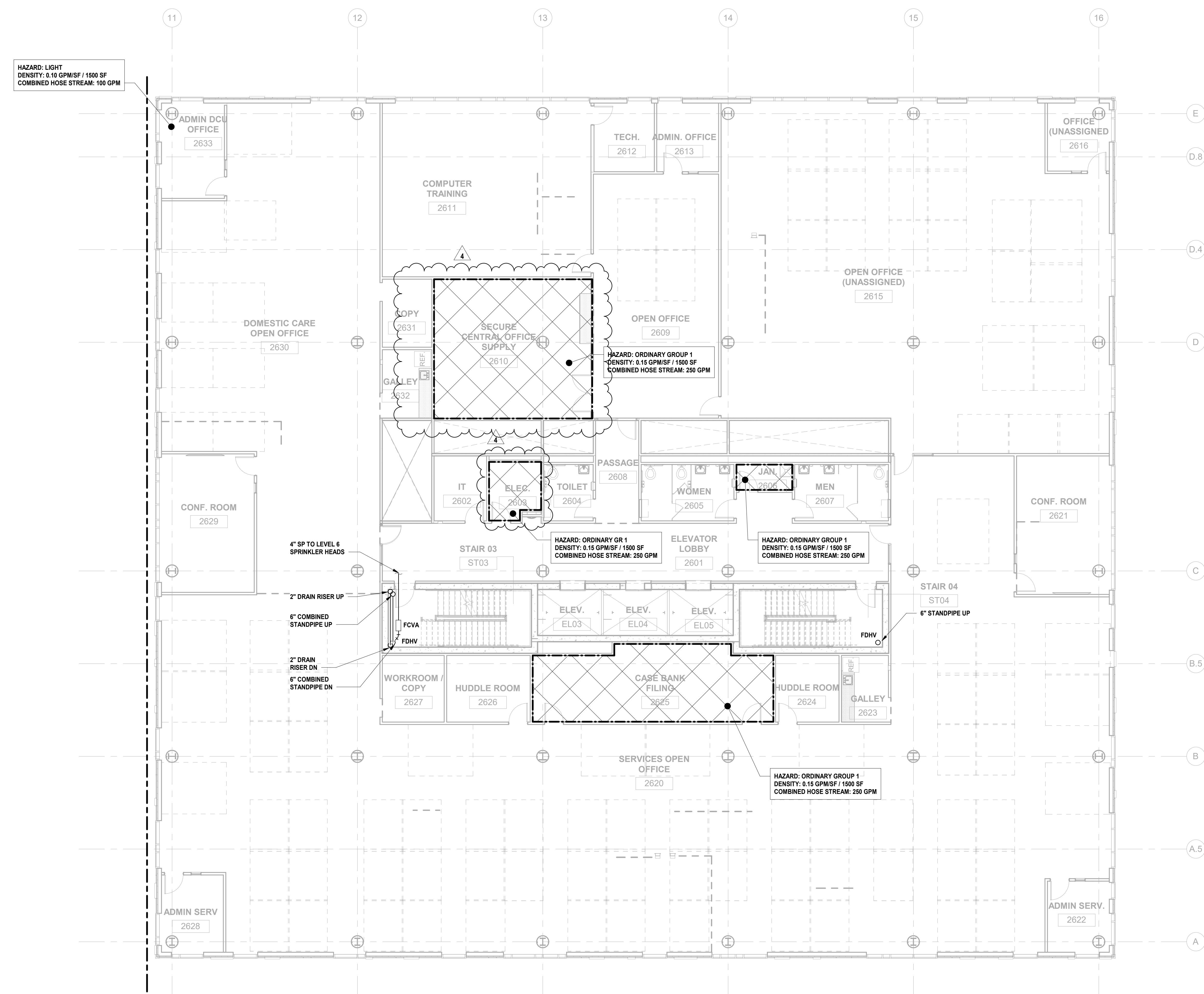
**FP-115**

**FIRE PROTECTION LEGEND:**



**FIRE PROTECTION GENERAL NOTES:**


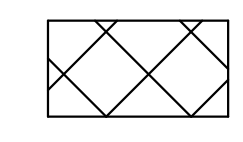
1. REFER TO FIRE PROTECTION LEAD SHEET, FP-001 FOR GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND PROJECT SCOPE DESCRIPTIONS FOR THIS PROJECT.
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**1 BUILDING NO. 2 - LEVEL 6 - FIRE PROTECTION**  
FP-115 SCALE: 1/8" = 1'-0"

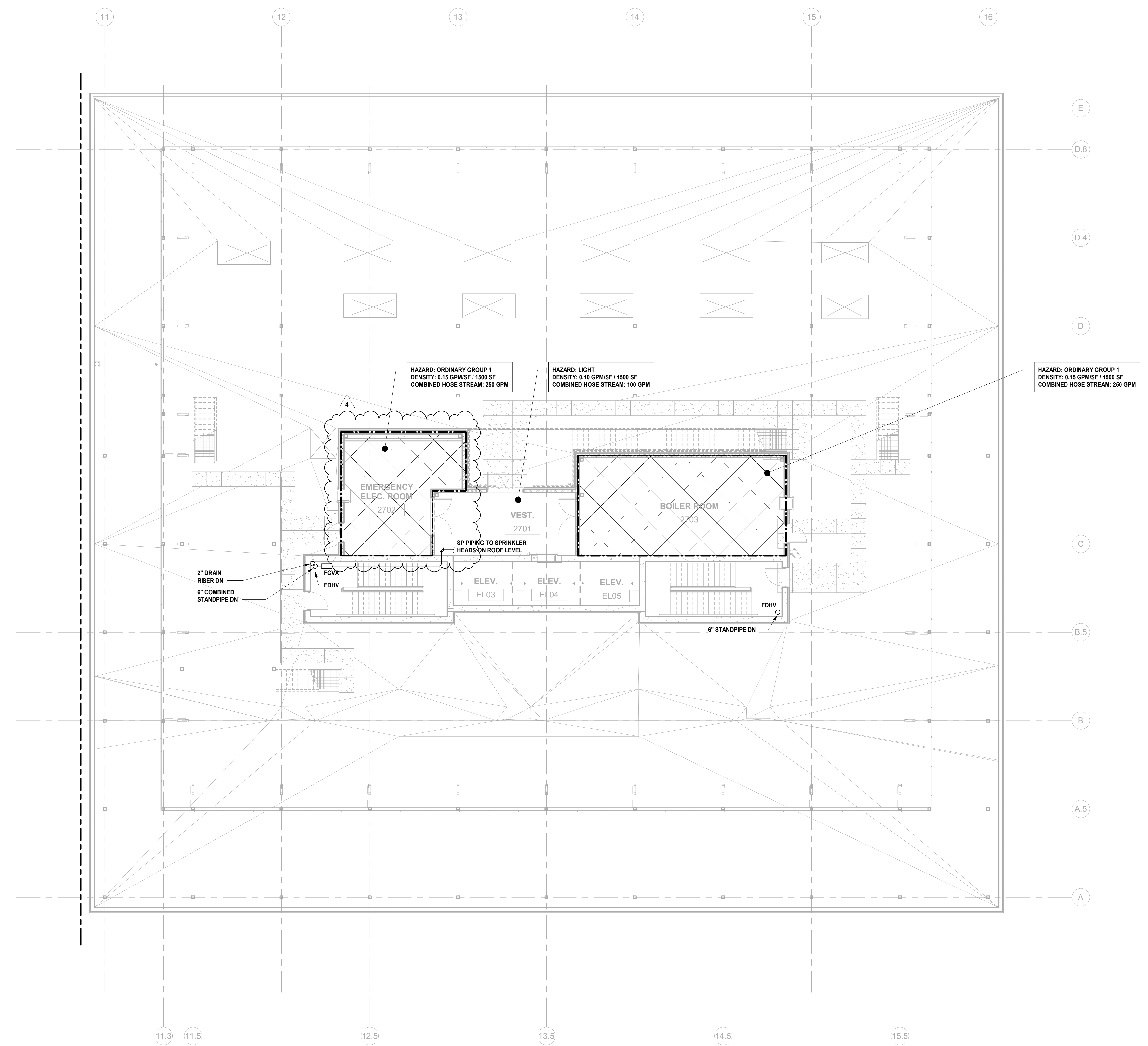


**FIRE PROTECTION LEGEND:**

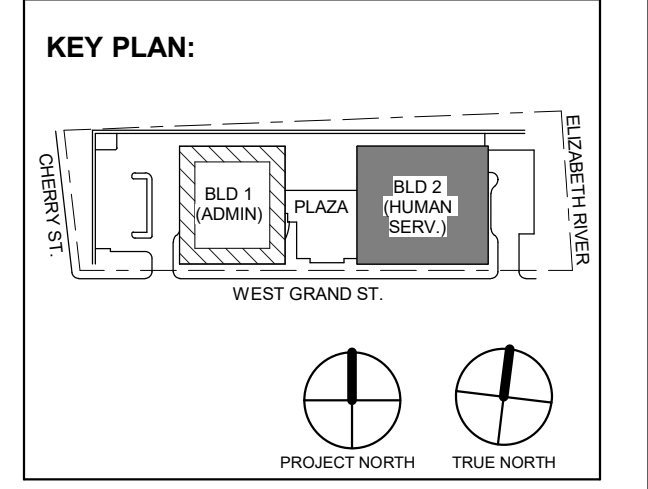
-  LIGHT HAZARD COVERAGE AREA
-  ORDINARY HAZARD, GROUP 1 COVERAGE AREA

**FIRE PROTECTION GENERAL NOTES:**

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DESIGNED BY	CRG	CRG	JRM	JRM	
DRAWN BY					
CHECKED BY					
REVIEWED BY					
PROJECT No.	DIGA2301	DATE:	12.22.2023	SCALE:	AS SHOWN



No.	Date	Description
4	12.22.2023	Addendum No. 04
	11.08.2023	For Public Bid

**DIGroupArchitecture**  
 ARCHITECTURE FOR CHANGE  
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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 - FIRE PROTECTION PLAN**

Sheet No:

**FP-116**

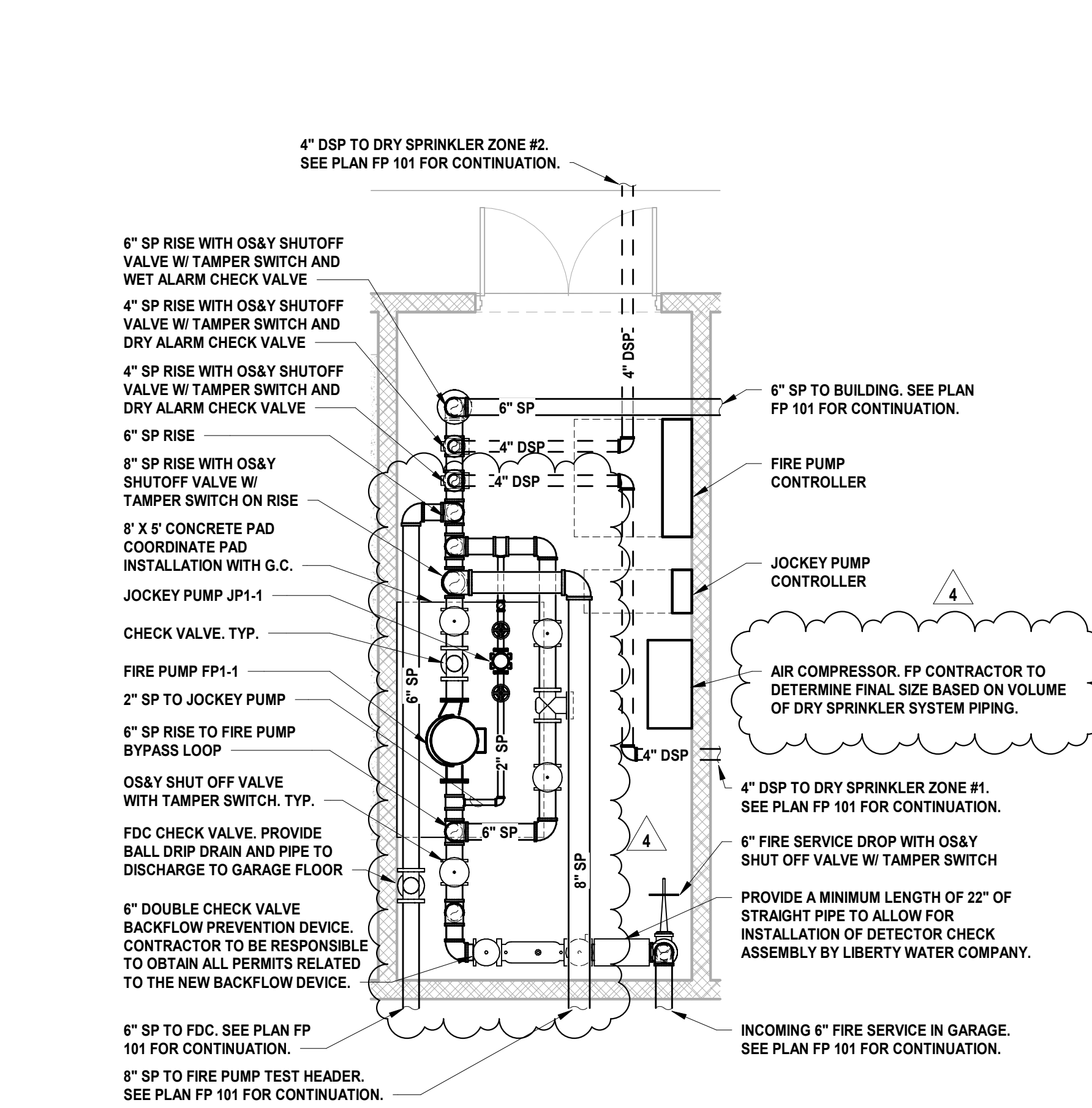
**1 BUILDING NO. 2 - ROOF - FIRE PROTECTION**  
 FP-116 SCALE: 1/8" = 1'-0"





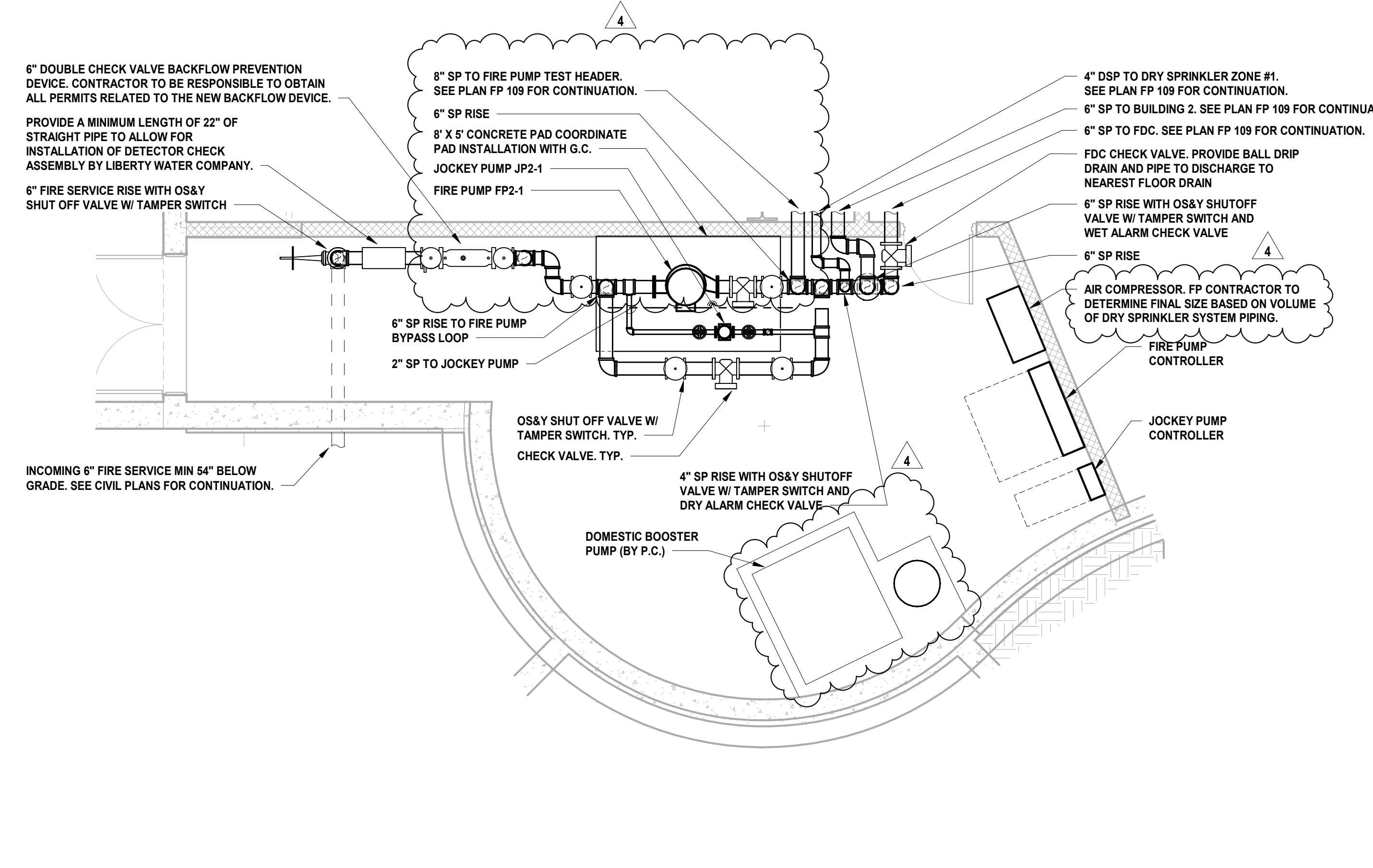
**FIRE PROTECTION GENERAL NOTES:**

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.



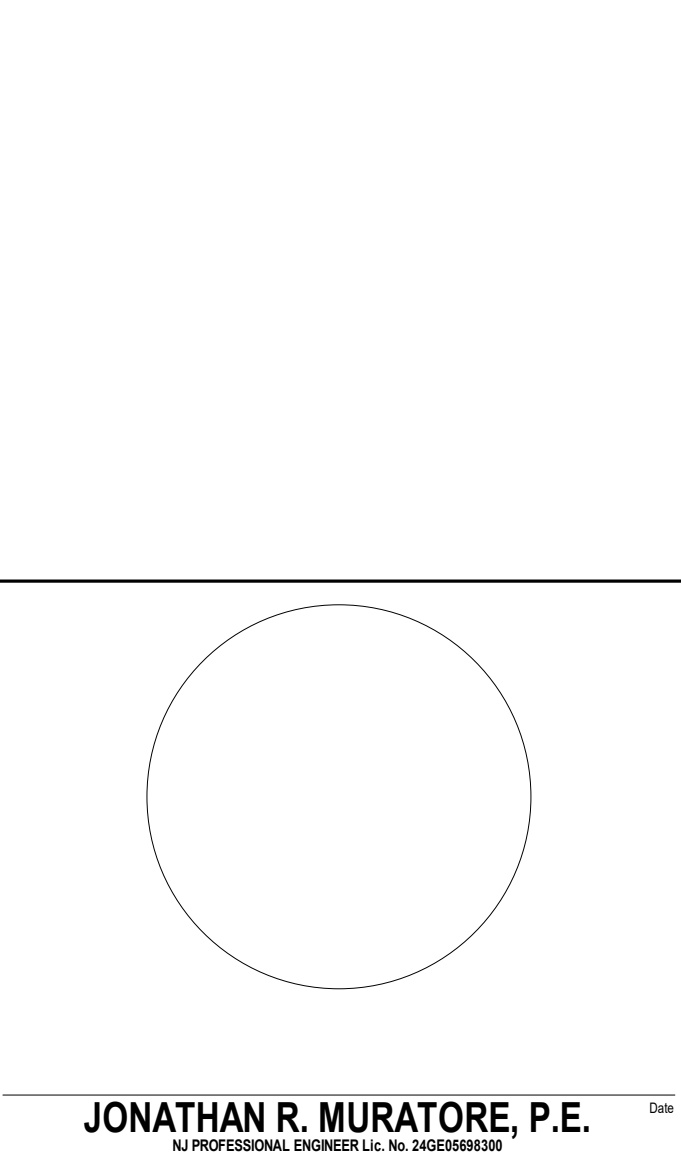
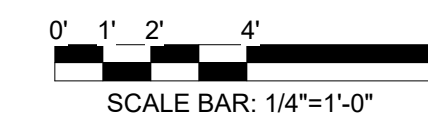
**1 BUILDING NO. 1 - ENLARGED FIRE PUMP ROOM**

FP-301 SCALE: 1/4" = 1'-0"

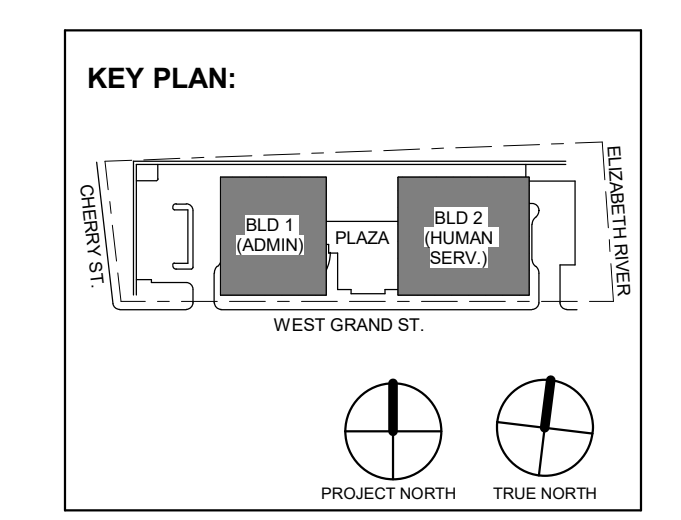


**2 BUILDING NO. 2 - ENLARGED FIRE PUMP ROOM**

FP-301 SCALE: 1/4" = 1'-0"



DESIGNED BY	CRG	CRG	JRM	JRM	
DRAWN BY					
CHECKED BY					
REVIEWED BY					
PROJECT No.	DGA2301	DATE:	12.22.2023	SCALE:	AS SHOWN



No.	Date	Description
4	12.22.2023	Addendum No. 04
1	12.01.2023	Addendum No. 01
	11.08.2023	For Public Bid

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Date: 11.08.2023  
Drawn By: JBA/WPC  
Checked By: JMSH

Sheet Name:  
**BUILDING NO. 1 - FIRE PROTECTION ENLARGED PLANS**

Sheet No:  
**FP-301**