Building Inspection Department

Jason Dool
Chief Building Inspector

Lockport Municipal Building
One Locks Plaza
Lockport, NY 14094
Phone (716) 439-6754
Fax (716) 439-6605

February 26, 2024

Megan Brewer

REGULAR MEETING

Please be advised that there are two (2) items on the agenda for the regularly scheduled meeting of the Planning Board to be held **Monday, March 4, 2024** at 5:00 P.M.

1. Nussbaumer & Clarke, Inc. 115 Oakhurst Street. Request to amend the site plan approved 9/11/23 situated in an I-3 Zone.

2. Troy Gillon, Jr. 400 West Avenue. Request for permission for the outdoor storage of scooters for a rental business situated in a B-3 Zone.

If you cannot attend this meeting, please contact Megan Brewer at 716-439-6754 or mbrewer@lockportny.gov

APPLICATION: APPROVED _____ DISAPPROVED _____

CITY OF LOCKPORT
PLANNING BOARD APPLICATION

DESCRIPTION OF PROPOSED REQUEST:

NAME OF PROPERTY: 400 West Ave PHONE: _____

NAME OF APPLICANT: Troy Gillon Jr PHONE: 716-232-5056

EMAIL ADDRESS: seanj9559@gmail.com

ADDRESS OR LOCATION OF PROPOSAL: 400 West Ave

SIZE OF PARCEL OR STRUCTURE: _____

EXISTING ZONING: _____

PLEASE CHECK WHICH OF THE FOLLOWING IS BEING APPLIED FOR:

Site Plan Review ____ Special Use Permit ____ Home Occupation_____

Alteration to existing building ____ Rezoning ____ Other ____

PROPOSED REQUEST

I would like to start a Scooter rental business in the City of Lockport. The rental location will be 400 west ave lockport NY. Scooter will be stored outside in front of building during business hours. After business hours they will be brought into 400 west Ave to charge overnight. There will be a maximum of 10 scooters outside during business hours.

REQUIRED ENCLOSURES:

In order to provide the City Planning Board with adequate information on which to base its decision, this application will not be heard unless the following information is submitted ten (10) days prior to the meeting by no later than 1 p.m.

1. Adequate description of proposal.

2. Survey of property affected, together with a Plot Plan which shows the distance to nearest intersection, proposed physical layout of the property including any existing or proposed structures, traffic access patterns, parking arrangements, walls, fences or other buffers and signs.

SEQRA:

This proposal constitutes a: ( )Type I, ( )Type II, ( )Unlisted action as per the provisions of the State Environmental Quality Review Act. A determination of environmental significance has been made: ( )yes, ( )no; a copy of this determination is attached ( )yes, ( )no.

PROPERTY OWNER'S SIGNATURE Kevin M. Bancroft

APPLICANT'S SIGNATURE

PLEASE NOTE YOU OR A REPRESENTATIVE ARE TO BE PRESENT AT THE MEETING TO PRESENT YOUR PROJECT TO THE BOARD.

Fees:

Site Plan review- $25
Special Use Permit- $100 application, $50 yearly renewal
Home Occupation- $100 application, $50 yearly renewal
Alteration to existing building- $25
Rezoning- $100 or $50 per half acre (whichever is greater)
Subdivision request- $200

February 19, 2024

Megan Brewer
Inspection Data Coordinator / Zoning Officer
City of Lockport
Lockport Municipal Building
One Locks Plaza
Lockport, New York 14094

Re: Amended Site Plan
Zeton US Properties, Inc., Applicant
115 Oakhurst Street
City of Lockport, New York
NCI Proposal No. 22J1-0106

Dear Ms. Brewer:

Attached are application materials being submitted on behalf of Zeton US Properties, Inc. to amend the previously approved Site Plan.

1. Ten (10) copies of the City of Lockport Planning Board Application.
2. Ten (10) copies of an 11-in x 17-in of the proposed Site Plan.
3. One (1) $25.00 check for the application fee.

Zeton US Properties, Inc. is seeking to amend the approved Site Plan because the proposed site improvements, as originally approved, have been scaled back. Parking lots have been reconfigured, and a driveway was eliminated. The Applicant is proposing to build a 16,000 square foot industrial warehouse / office building on a 7.24± acre parcel. Site improvements will include proposed driveways and parking lot, storm water detention facility, potable and fire protection water, sanitary sewer facilities, landscaping, and dark-sky compliant lighting.

Your cooperation is greatly appreciated.

Please contact me if you have any questions at 716-827-8100 x 230 or by email at rjpidanick@nussclarke.com.

Sincerely,

NUSSBAUMER & CLARKE, INC.

Robert J. Pidanick

Robert J. Pidanick
Associate / Manager of Land Development

Encl.: As outlined

APPLICATION: APPROVED_____DISAPPROVED _____

CITY OF LOCKPORT
PLANNING BOARD APPLICATION

DESCRIPTION OF PROPOSED REQUEST:

NAME OF PROPERTY: Zeton US Properties, Inc. PHONE: 905-632-3123

NAME OF APPLICANT: Nussbaumer & Clarke, Inc. PHONE: 716-827-8000

EMAIL ADDRESS: rpidanick@nussclarke.com

ADDRESS OR LOCATION OF PROPOSAL: 115 Oakhurst Street, Lockport, NY

SIZE OF PARCEL OR STRUCTURE: 7.24 +/- acres

EXISTING ZONING: I-2 Light Industrial / I-3 Heavy Industrial

PLEASE CHECK WHICH OF THE FOLLOWING IS BEING APPLIED FOR:

Site Plan Review X Special Use Permit ____ Home Occupation_____

Alteration to existing building ____ Rezoning ____ Other ____

PROPOSED REQUEST

Zeton US Properties, Inc. is seeking to amend the approved Site Plan because the proposed site improvements, as originally approved, have been scaled back. Parking lots have been reconfigured, and a driveway was eliminated. The Applicant is proposing to build a 16,000-sf industrial warehouse / office building on a 7.24± acre parcel. Site improvements will include proposed driveways and parking lot, storm water detention facility, potable and fire protection water, sanitary sewer facilities, landscaping, and dark-sky compliant lighting.

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PROPERTY OWNER'S SIGNATURE Leisl Dukkedi-Lalla

APPLICANT'S SIGNATURE Nussbaumer & Clarke, Inc. Robert J. Pidanick

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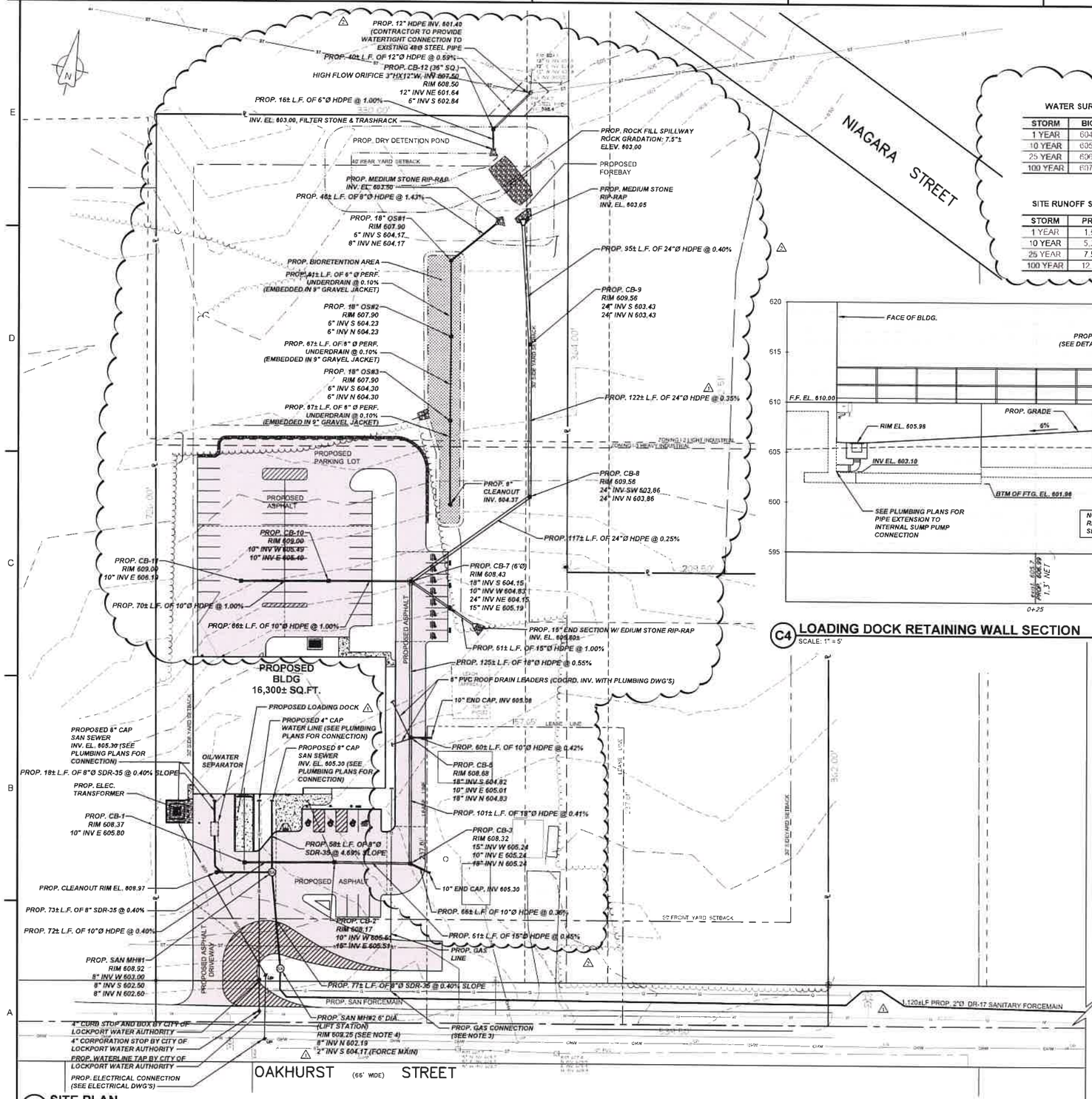


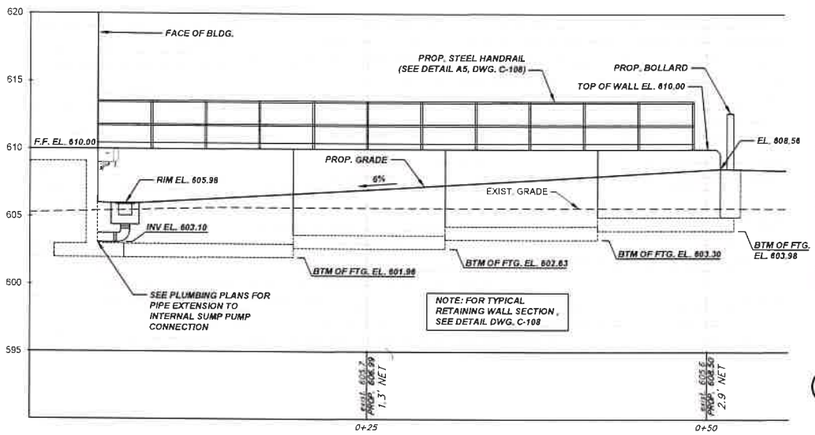
A1 SITE PLAN
SCALE: 1" = 40'

WATER SURFACE ELEVATIONS (FT)

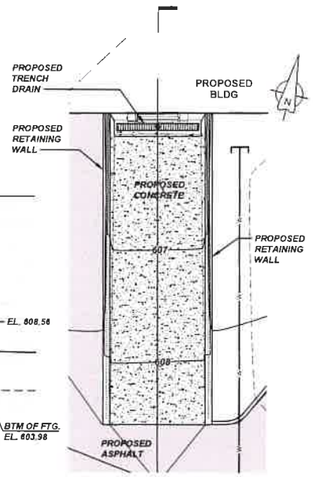
STORM	BIO 1	FOREBAY	POND
1 YEAR	604.63	604.19	603.98
10 YEAR	605.62	605.14	605.12
25 YEAR	606.18	605.71	605.69
100 YEAR	607.34	606.75	606.74

SITE RUNOFF SUMMARY (CFS)

STORM	PRE	POST
1 YEAR	1.84	1.49
10 YEAR	5.30	3.64
25 YEAR	7.52	4.85
100 YEAR	12.21	7.31



C4 LOADING DOCK RETAINING WALL SECTION
SCALE: 1" = 5'



C6 LOADING DOCK PLAN
SCALE: 1" = 10'

0 20 40 80 ft
SCALE: 1" = 40'

GENERAL NOTES:

1. ALL UTILITIES TO BE FIELD VERIFIED PRIOR TO THE START OF CONSTRUCTION
2. SURVEY PREPARED BY NUSSBAUMER & CLARKE, INC. DECEMBER 8, 2022.
3. CONTRACTOR SHALL COORDINATE THE NATURAL GAS SERVICE WITH THE NEW YORK STATE ELECTRIC AND GAS (NYSEG). NYSEG SHALL PROVIDE SERVICE PIPING, METER, AND REGULATOR SET FOR 8" W.C. AT 1,960 CFH OF NATURAL GAS.
4. SEE DETAIL C5, DWG. C-110 FOR SANITARY SEWER LIFT STATION DETAILS.

NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS
EST. 1933
2556 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 827-9000 | (716) 826-1958 fax
www.nussbaumerclarke.com

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

UTILITY PLAN

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10.06.23
1	ADDENDUM NO. 3	11/16/23
2	PB ADDENDUM NO. 2	12/27/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 017

NUSSBAUMER AND CLARKE, INC. INCORPORATED 1933 SEAL BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	TJB
DESIGNED BY	TJB
CHECKED BY	RJP
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	6 OF 70

C-104

GENERAL NOTES:

1. ALL UTILITIES TO BE FIELD VERIFIED PRIOR TO THE START OF CONSTRUCTION.
2. SURVEY PREPARED BY NUSSBAUMER & CLARKE, INC. DECEMBER 8, 2022.

EROSION CONTROL LEGEND:

DIP	DROP INLET PROTECTOR	SF	SILT FENCE
FFIP	FILTER FABRIC INLET PROTECTOR	FS	FILTER SOCK
SOST	STORM OUTLET SEDIMENT TRAP		SILT FENCE
SIST	STORM INLET SEDIMENT TRAP		PROPOSED CONSTRUCTION LIMITS
SCE	STABILIZED CONSTRUCTION ENTRANCE		

A1 **EROSION AND SEDIMENT CONTROL PLAN**
SCALE: 1" = 40'

0 20 40 80 ft
SCALE: 1" = 40'

NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS
EST. 1939
3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 827-6000 | (716) 826-7958 fax
www.nussbaumer.com

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

EROSION AND SEDIMENT CONTROL PLAN

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	PB ADDENDUM NO. 2	10/27/23

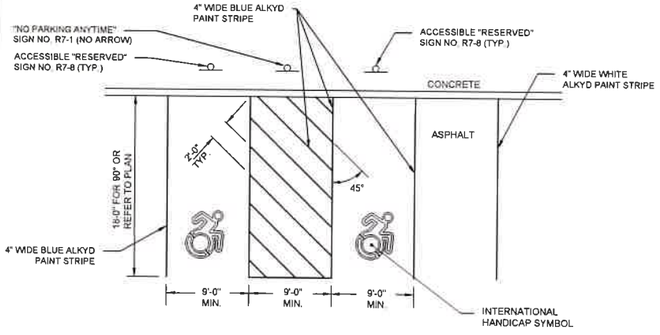
NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

NUSSBAUMER AND CLARKE, INC. INCORPORATED 1939 SEAL BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

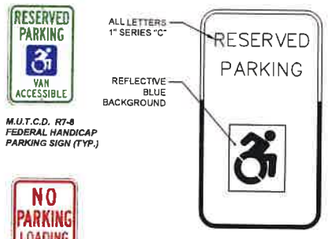
PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	TJB
DESIGNED BY	TJB
CHECKED BY	RJP
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	7 OF 70

C-105



NOTE: ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH A SLOPE OF 1.5% (2% MAXIMUM) (EXAMPLE: 1.92 INCHES MAX. VERTICAL IN 8 FEET HORIZONTAL) OR 1:50 IN ALL DIRECTIONS. THIS INCLUDES BOTH "RUNNING SLOPES" AND "CROSS SLOPES."

D1 STRIPING DETAIL FOR HANDICAP AND STANDARD PARKING
SCALE: NOT TO SCALE



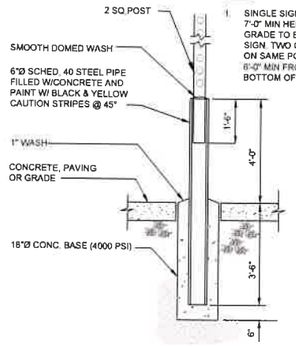
12" x 18" HANDICAPPED PARKING SIGN DETAIL

GENERAL HANDICAP SIGN NOTES:

1. TOP PORTION OF FTP-25 SHALL HAVE A REFLECTIVEBLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOLAND BORDER.
2. BOTTOM PORTION OF FTP-25 SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
3. FTP-25 SHALL BE FABRICATED ON ONE PANEL.
4. THE SIGN SHALL BE PLACED A MINIMUM OF 3' FROM THE WHEEL STOP OR THE BACK OF PAVEMENT (WHERE APPLICABLE).

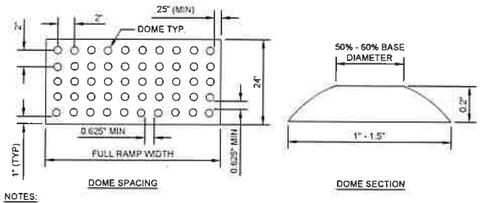
NOTE:

1. SINGLE SIGNS SHALL BE 7'-0" MIN HEIGHT FROM GRADE TO BOTTOM OF SIGN. TWO OR MORE SIGNS ON SAME POST SHALL BE 6'-0" MIN FROM GRADE TO BOTTOM OF LOWEST SIGN



TYPICAL BOLLARD INSIGN POST INSTALLATION

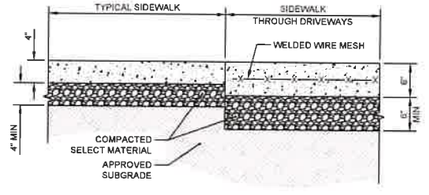
D3 TYPICAL SIGN POST WITH BOLLARD
SCALE: NOT TO SCALE



NOTES:

1. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING FIELD (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
2. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUSIVE OF SIDE FLARES.
3. LOCATION OF DETECTABLE WARNINGS. DETECTABLE WARNINGS SHALL BE LOCATED SO THAT THE EDGE OF THE WARNING FIELD NEAREST TO THE ROADWAY OR STREET SURFACE IS 6" TO 9" (12" WHERE TRAVERSABLE CURB IS USED) FROM THE EDGE OF THE ROADWAY/STREET, OR FROM THE FRONT OF THE DROPPED CURB, WHERE A DROPPED CURB CONTINUES ACROSS THE BOTTOM OF THE SIDEWALK CURB RAMP.
4. THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 16" TO 19" FROM THE FACE OF THE GATE ARM. WHERE THERE IS NO GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE TRACKS SHALL BE 15 FEET FROM THE CENTERLINE OF THE NEAREST TRACK.
5. DOME ALIGNMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL.
6. COLOR REQUIREMENTS. THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR SHALL VISUALLY CONTRAST WITH THE ADJOINING CURB RAMP, OR OTHER ADJACENT WALKWAY SURFACES WHERE THERE IS NO CURB RAMP. EITHER LIGHT-ON DARK, OR DARK-ON-LIGHT AS DEFINED IN THE AMERICANS WITH DISABILITIES ACCESSIBILITY GUIDELINES (ADAAG).
7. PAYMENT LINES ARE THE 24" DIMENSION SHOWN IN THE DETAILS EXTENDING THE FULL WIDTH OF THE CURB RAMP AND/OR APPLICABLE SURFACES.
8. OMIT DETECTABLE WARNINGS WHERE THERE WILL BE LESS THAN 24" OF SPACE BETWEEN THE DETECTABLE WARNING FIELDS.

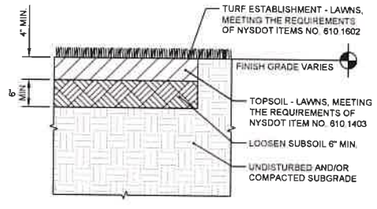
C5 DETECTABLE WARNING FIELD DETAIL
SCALE: NOT TO SCALE



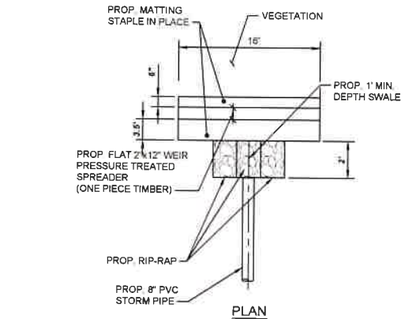
NOTES:

1. BEDDING - COMPACTED SELECT MATERIAL, NYSDOT ITEM 304.12
2. CONCRETE - 4,000 PSI (MIN. 28 DAY COMPRESSIVE STRENGTH)
3. WELDED WIRE MESH - 6x6-W4.0xW4.0

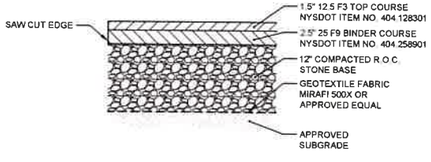
C1 CONCRETE SIDEWALK DETAIL
SCALE: NOT TO SCALE



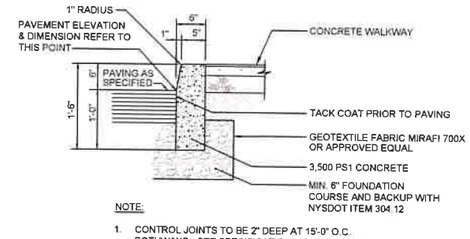
LAWN ESTABLISHMENT AND RESTORATION
C2
SCALE: NTS



PLAN



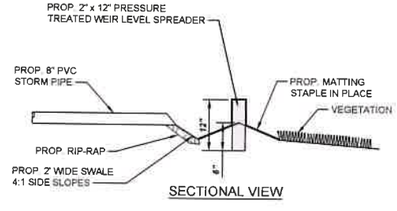
B1 STANDARD PARKING LOT PAVEMENT SECTION
SCALE: NOT TO SCALE



NOTE:

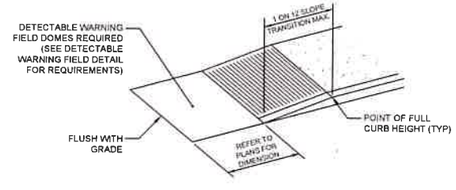
1. CONTROL JOINTS TO BE 2" DEEP AT 15'-0" O.C. BOTHWAYS - SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS SEE NYSDOT 702-0700

B2 TYPICAL CURB & WALKWAY DETAIL
SCALE: NOT TO SCALE



SECTIONAL VIEW

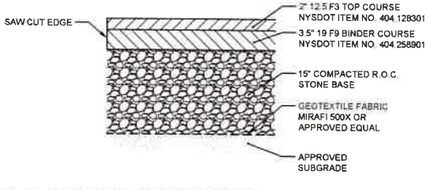
B4 LEVEL SPREADER DETAIL
SCALE: NOT TO SCALE



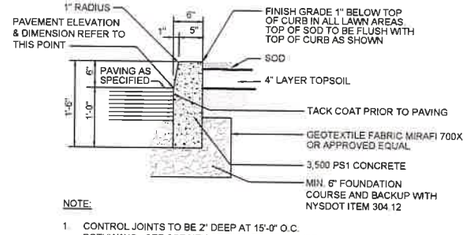
NOTES:

1. THE TYPE AND LOCATION SHOWN ON THE PLANS ARE FOR INFORMATION ONLY. THE FINAL TYPE AND LOCATION SHALL BE DESIGNATED BY THE ENGINEER IN CHARGE.
2. THE SURFACE OF ALL SIDEWALK CURB RAMPS SHALL BE STABLE, FIRM, AND SLIP RESISTANT. A COARSE BROOM FINISH PERPENDICULARTO THE RAMP SLOPE IS ACCEPTABLE ON CEMENT CONCRETE CURB RAMPS.
3. THE NORMAL PAVEMENT EDGE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
4. THE SIDE SLOPE SHALL BE 1:12 FOR A MAXIMUM WIDTH OF 6 FT. EXCEPT: A WHEN THE SIDE SLOPE IS NEXT TO A LANDSCAPED PARKWAY, THE MAXIMUM WIDTH = 4 FT. B WHEN THE SIDE SLOPE ENCOMPASSES A SIGNAL POLE, UTILITY POLE, ETC., THE MAXIMUM WIDTH = 4 FT. C WHERE THE TOP OF THE SIDE SLOPE IS WITHIN 1 FT.OF THE P.T., USE THE P.T. AS THE TOP OF SLOPE. AT A CORNER WHERE THE CURB RADIUS IS 25 FT. OR D LESS, A SINGLE RAMP (EITHER TYPE A, B, OR C) LOCATED DIAGONALLY, CAN OFTEN SERVE CROSSWALKS IN TWO DIRECTIONS. HOWEVER, A SINGLE RAMP SHALL ONLY BE USED WHERE THERE IS A MINIMUM CLEAR SPACE OF 48 INCHES FALLING ENTIRELY WITHIN THE PROJECTION OF THE INTERSECTING CURBS WHERE THE RADIUS EXCEEDS 25 FT. OR THE MINIMUM 48 INCH CLEAR SPACE IS UNACHIEVEABLE, THEN SEPARATE RAMPS SHOULD BE PROVIDED FOR EACH CROSSWALK.

B5 2 FOOT WIDE STONE DIAPHRAGM
SCALE: NOT TO SCALE



A1 HEAVY-DUTY PARKING LOT PAVEMENT SECTION
SCALE: NOT TO SCALE



NOTE:

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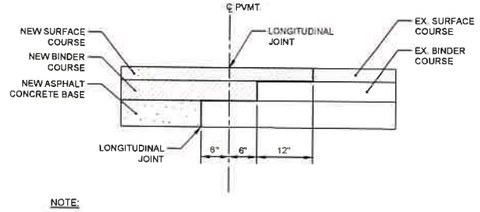
A2 TYPICAL CURB DETAIL
SCALE: NOT TO SCALE



NOTE:

1. THE WIDTH OF SPREAD SHOULD BE PLANNED TO PROVIDE FOR THE OFFSETTING OF LONGITUDINAL JOINTS IN THE SEVERAL COURSES.

A4 PAVEMENT OVERLAPPING
SCALE: NOT TO SCALE

A5 HANDICAP RAMP DETAIL
SCALE: NOT TO SCALE

NUSSBAUMER & CLARKE, INC.
EST. 1955
ENGINEERS AND SURVEYORS
3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 827-6000 | (716) 826-7958 fax
www.nuscla.com

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

SITE DETAILS 1

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/26/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

NUSSBAUMER AND CLARKE, INC. INCORPORATED 1955 SEAL BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
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DRAWN BY	TJB
DESIGNED BY	TJB
CHECKED BY	RJP
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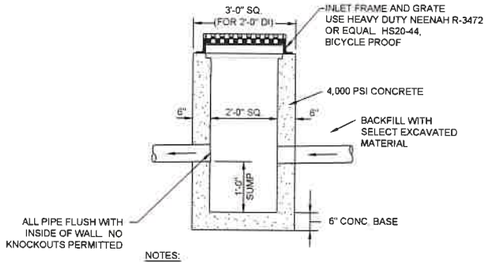
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	8 OF 70

C-106

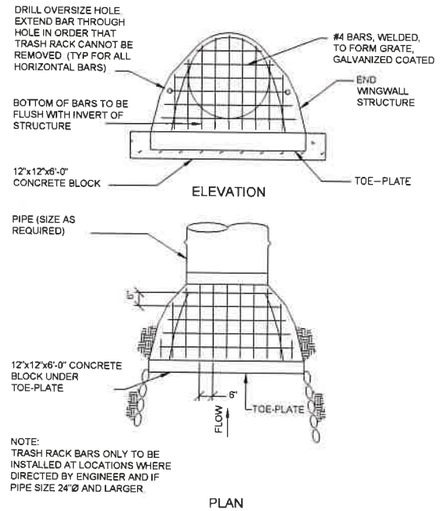
E:\2022\0106 Zeton\0B8 Working Dwgs\Discipline\C-Civil\C-106 Site Details.dwg 10/4/2023 TBOYLE



NOTES:

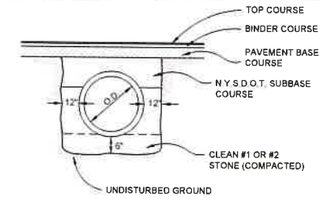
1. LAY STRUCTURE ON 6" MIN. BED OF COMPACTED NYSDOT TYPE 2 MATERIAL.
2. CATCH BASIN SHALL BE KISTNER AS REQUIRED AS PER THE SITE PLAN TO ACHIEVE 12" SUMP, OR EQUAL.

D1 CATCH BASIN DETAIL (2'-0" SQ DI)
SCALE: NOT TO SCALE

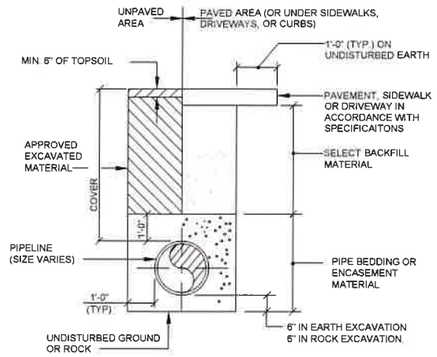


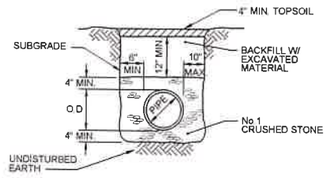
NOTE:
TRASH RACK BARS ONLY TO BE INSTALLED AT LOCATIONS WHERE DIRECTED BY ENGINEER AND IF PIPE SIZE 24"Ø AND LARGER.

C1 STORM DRAIN OUTLET
SCALE: NOT TO SCALE



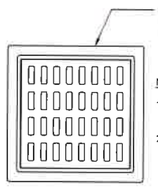
E4 STORM SEWER TRENCH DETAIL UNDER PAVEMENT
SCALE: NOT TO SCALE





D4 TYPICAL SECTION FOR EARTH BACKFILL
SCALE: NOT TO SCALE

D5 TYPICAL TRENCH
SCALE: NOT TO SCALE

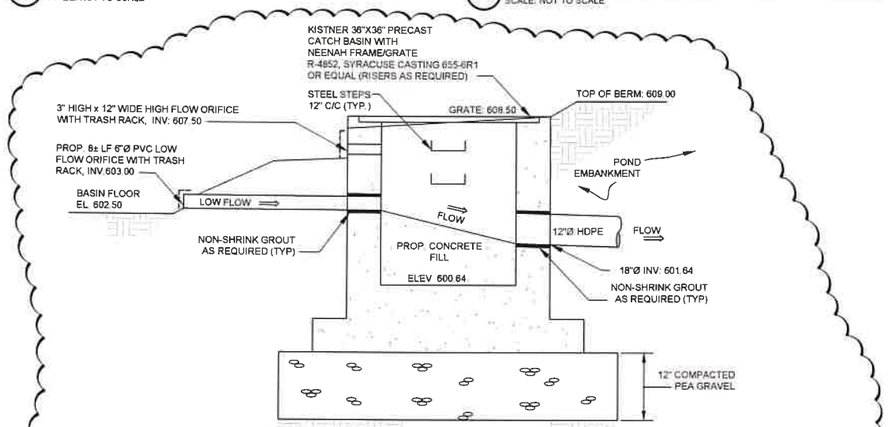


NOTES:

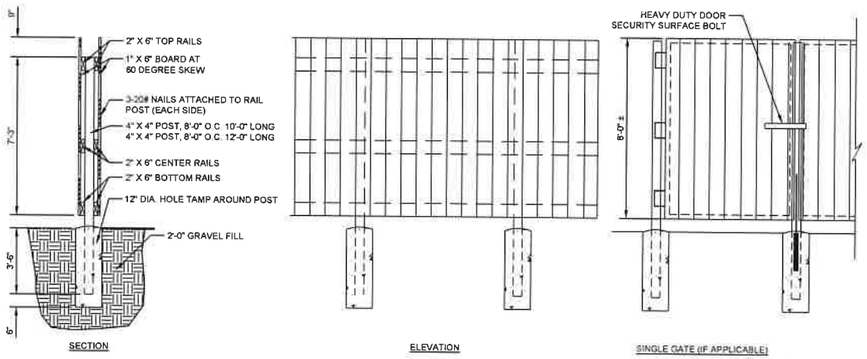
1.) MATERIAL SHALL BE GRAY CAST IRON CONFORMING TO A.S.T.M. A48 (LATEST REVISION) CLASS 30B.

2.) UNITS DESIGNED HEAVY DUTY FOR A.A.S.H.T.O. HS20-44 WHEEL LOADS.

C1 FRAME AND GRATE DETAIL (2'-0" SQ. AND 3'-0" SQ DI)
SCALE: NOT TO SCALE

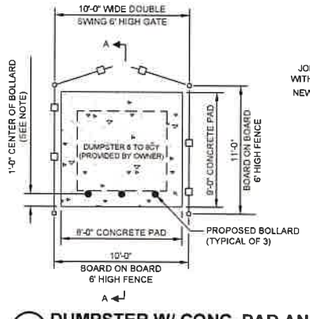


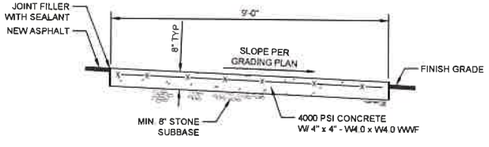
B4 OVERFLOW STRUCTURE (CB-12) DETAIL
SCALE: NOT TO SCALE



SINGLE GATE (IF APPLICABLE)
4' WIDE WOOD BOARD SINGLE GATE - LATCH AND PIN HOLE REQUIRED, WITH CROSS-BRACING TO PREVENT DOOR SAG.

B1 BOARD ON BOARD WOOD FENCE
SCALE: NOT TO SCALE



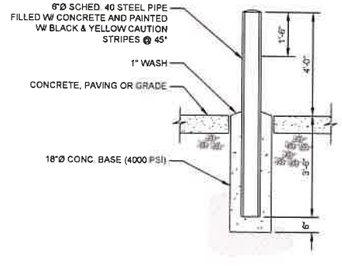


SECTION A-A - DUMPSTER PAD
NOT TO SCALE

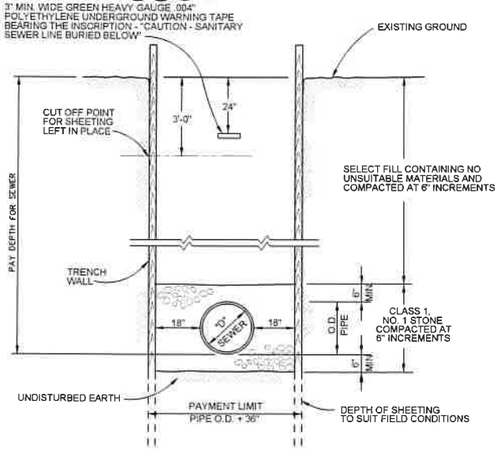
NOTES:

1. WHEN INSTALLING BOLLARDS NEAR BUILDING FOUNDATION, CONTRACTOR TO EXECUTE CAUTION TO AVOID CONFLICT WITH EXISTING FOUNDATION UNDERDRAIN IF PRESENT.

A1 DUMPSTER W/ CONC. PAD AND WOODEN FENCE W/ SWING GATE
SCALE: NOT TO SCALE



A3 TYPICAL BOLLARD
SCALE: NOT TO SCALE



A5 SHEETED TRENCH DETAIL
SCALE: NOT TO SCALE

NUSSBAUMER & CLARKE, INC.
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www.nussbaumerclarke.com

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

SITE DETAILS 2

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	PB ADDENDUM NO. 2	12/27/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

NUSSBAUMER AND CLARKE, INC. INCORPORATED 1933 SEAL BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	TJB
DESIGNED BY	TJB
CHECKED BY	RJP
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	9 OF 70

C-107

I:\2022\0106 Zeton\06B Working Dwgs\Disciplines\C-Civil\C-107 Site Details.dwg 12/28/2023 TBJYLE

SOIL MIXTURE NOTES

1. THE DRY SWALE SOIL MIXTURE SHALL BE A UNIFORM MIX, FREE OF STONES, STUMPS, ROOTS OR OTHER SIMILAR OBJECTS LARGER THAN TWO INCHES. NO OTHER MATERIALS OR SUBSTANCES SHALL BE MIXED OR DUMPED WITHIN THE RAIN GARDEN AREA THAT MAY BE HARMFUL TO PLANT GROWTH, OR PROVE A HINDRANCE TO THE PLANTING OR MAINTENANCE OPERATIONS.

2. DRY SWALE SOIL MIX SHALL CONSIST OF THE FOLLOWING:

ITEM	COMPOSITION BY VOLUME	REFERENCE
PLANTING SOIL	30%	SEE BELOW
SHREDDED 2X HARDWOOD MULCH	20%	SEE BELOW
SAND	50%	ASTM C33 FINE AGGREGATE

3. THE USDA TEXTURAL CLASSIFICATION OF THE PLANTING SOIL FOR THE DRY SWALE SOIL MIXTURE SHALL BE LOAMY SAND OR SANDY LOAD. PLANTING SOIL SHALL BE SALVAGED OR FURNISHED. PLANTING SOIL SHALL BE TESTED AND MEET THE FOLLOWING CRITERIA:

ITEM	PERCENT BY WEIGHT	TEST METHOD
SAND (2.0 - 0.050 MM)	50-85%	AASHTO T88
SILT (0.050 - 0.002 MM)	0-50%	AASHTO T88
CLAY (LESS THAN 0.002 MM)	10-20%	AASHTO T88
ORGANIC MATTER	1.5-10%	AASHTO T194

4. THE TEXTURAL ANALYSIS FOR THE PLANTING SOIL SHALL BE AS FOLLOWS.

ASTM E11 SIEVE SIZE	MINIMUM PERCENT PASSING BY WEIGHT
2 IN.	100
NO. 4	90
NO. 10	60

SOIL MIXTURE NOTES (CONTINUED)

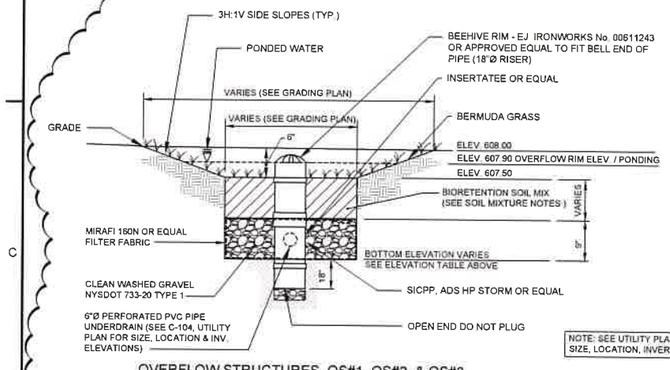
5. DRY SWALE SOIL MIXTURE SHALL BE TESTED AND MEET THE FOLLOWING CRITERIA:

ITEM	CRITERIA	TEST METHOD
CORRECTED PH	5.5-7.5	ASTM D4972
MAGNESIUM	MINIMUM 32 PPM	*
PHOSPHORUS (PHOSPHATE - P_2O_5)	NOT TO EXCEED 69 PPM	*
POTASSIUM (K_2O)	MINIMUM 78 PPM	*
SOLUBLE SALTS	NOT TO EXCEED 500 PPM	*

* USE AUTHORIZED SOIL TEST PROCEDURES.

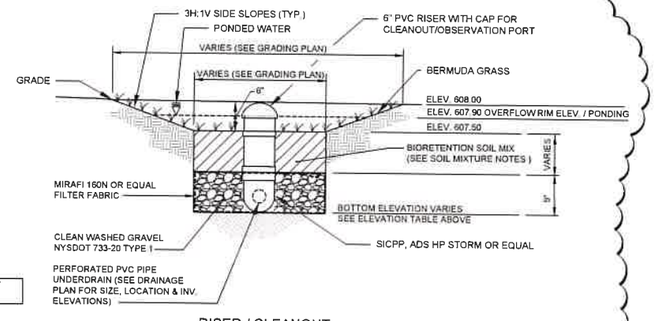
6. DRY SWALE SOIL MIXTURE SHALL BE MIXED TO A HOMOGENEOUS CONSISTENCY TO THE SATISFACTION OF THE ENGINEER.

APPROX. BIORETENTION CONSTRUCTION ELEVATIONS				
BIORETENTION ELEMENT	ELEVATION (FT)			
	CO	OS #3	OS #2	OS #1
BOTTOM OF BASIN	604.20	604.13	604.06	604.00
UNDERDRAIN INVERT	604.37	604.30	604.23	604.12
TOP OF GRAVEL	604.95	604.88	604.81	604.75
TOP OF SOIL	607.50	607.50	607.50	607.50
DEPTH OF SOIL (VARIES)	2.55	2.62	2.69	2.75
OVERFLOW RIM	607.90	607.90	607.90	607.90
SURROUNDING ELEVATION	608.00	608.00	608.00	608.00



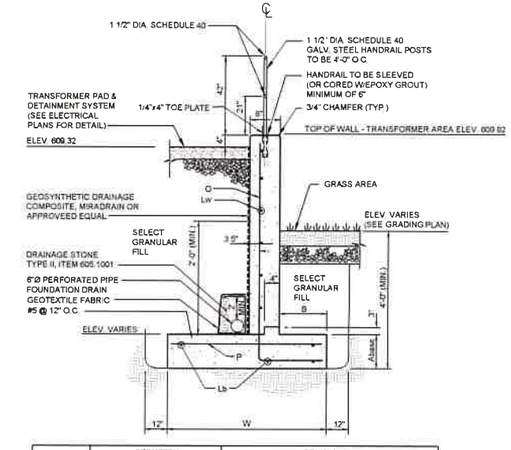
OVERFLOW STRUCTURES, OS#1, OS#2 & OS#3

NOTE: SEE UTILITY PLAN FOR OUTLET SIZE, LOCATION, INVERTS, ETC.



RISER / CLEANOUT

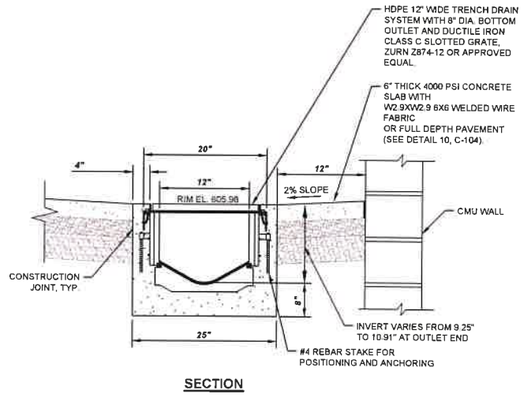
C1 BIORETENTION SECTIONS AND DETAILS
SCALE: NOT TO SCALE



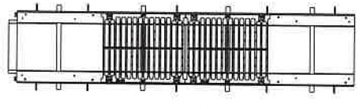
	GEOMETRY			REINFORCING			
WALL TYPE	W	B	ABASE	O	P	Lw	Lb
#1	2'-10"	1'-0"	12"	#4 @ 12" OC	#4 @ 12" OC	#4 @ 12" OC	#4
#2	3'-8"	1'-0"	12"	#4 @ 12" OC	#4 @ 12" OC	#4 @ 12" OC	#4
#3	4'-0"	1'-0"	14"	#6 @ 12" OC	#6 @ 12" OC	#4 @ 12" OC	#4

C5 RETAINING WALL DETAIL - TRANSFORMER PAD
SCALE: NOT TO SCALE

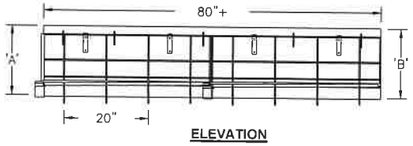
Trench TD#1	'A' Shallow Inv.	'B' Deep Inv.	Flow		
			(gpm)	(lps)	(cfs)
1201P	9.250 [235]	10.082 [256]	1475	93	3.306
1202P	10.082 [256]	10.914 [277]	1758	111	3.941
1203P	10.914 [277]	11.746 [298]	2048	129	4.589
1204P	11.746 [298]	12.578 [319]	2341	148	5.248
1205P	12.578 [319]	13.410 [341]	2639	166	5.915



SECTION

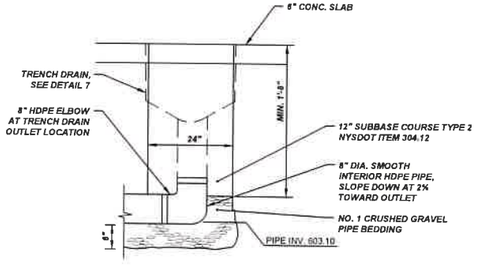


PLAN

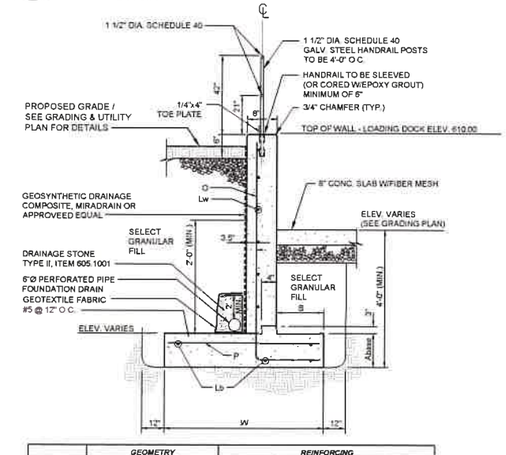


ELEVATION

A1 TRENCH DRAIN "TD#1" DETAIL (ZURN Z874-12)
SCALE: 3/4" = 1'-0"



A4 TRENCH DRAIN - PIPE TRENCH DETAIL
SCALE: 3/4" = 1'-0"



	GEOMETRY			REINFORCING			
WALL TYPE	W	B	ABASE	O	P	Lw	Lb
#1	2'-10"	1'-0"	12"	#4 @ 12" OC	#4 @ 12" OC	#4 @ 12" OC	#4
#2	3'-8"	1'-0"	12"	#4 @ 12" OC	#4 @ 12" OC	#4 @ 12" OC	#4
#3	4'-0"	1'-0"	14"	#6 @ 12" OC	#6 @ 12" OC	#4 @ 12" OC	#4

A5 RETAINING WALL DETAIL - LOADING DOCK
SCALE: NOT TO SCALE

NUSSBAUMER & CLARKE, INC.
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(716) 827-6000 | (716) 826-7958 fax
www.nussbaumerclarke.com

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

SITE DETAILS 3

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	ADDENDUM NO. 3	11/10/23
2	PB ADDENDUM NO. 2	12/27/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

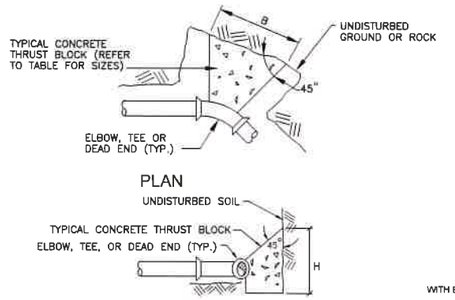
NUSSBAUMER AND CLARKE, INC. INCORPORATED 1933 SEAL BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISIONS 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	TJB
DESIGNED BY	TJB
CHECKED BY	RJP
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	10 OF 70

C-108

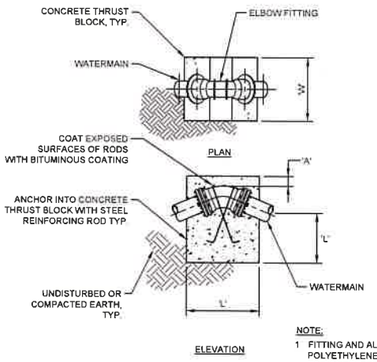
\\2022\0106 Zeton\Wbb Working Dwgs\Discipline\C-Civil\C-108 Site Details.dwg 12/28/2023 TBDYLE



MINIMUM REQUIRED HORIZONTAL THRUST BLOCK SIZE D.I.P. & P.V.C WATERLINE								
DEFLECTION ANGLE	PIPE DIAMETER (in.) (AT 170 PSI TEST)							
	6"		8"		10"		12"	
	B	H	B	H	B	H	B	H
90° / TEE	2.00'	1.25'	2.50'	1.50'	3.00'	2.00'	4.00'	2.00'
DEAD END	2.00'	1.25'	2.50'	1.50'	3.00'	2.00'	4.00'	2.00'
45°	1.75'	1.00'	2.25'	1.25'	3.00'	1.75'	3.50'	1.75'
22-1/2°	1.25'	0.75'	2.00'	1.00'	2.00'	1.25'	2.25'	1.50'
11-1/4°	1.00'	0.50'	1.50'	1.00'	1.75'	1.00'	1.75'	1.00'

NOTE: THRUST BLOCKS PERMITTED ONLY WHERE SHOWN OR IN LOCATION APPROVED BY ENGINEER.

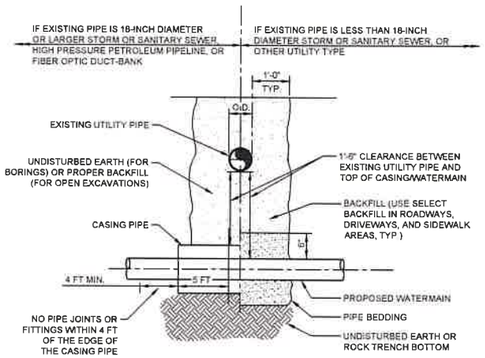
C1 THRUST BLOCK FOR HORIZONTAL BENDS
SCALE: NOT TO SCALE



NOTE:
1. FITTING AND ALL RESTRAINTS TO BE POLYETHYLENE WRAPPED PRIOR TO CONCRETE PLACEMENT.

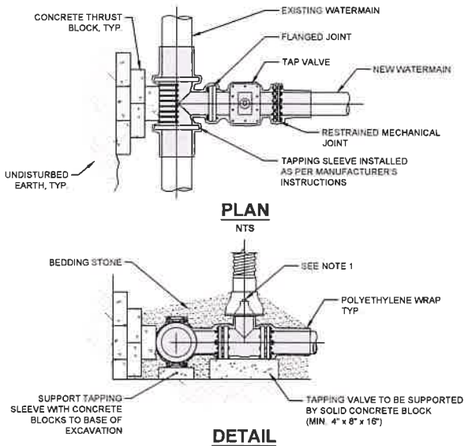
DIMENSION SCHEDULE												
PPE SIZE	11.25° ELBOW				22.5° ELBOW				45° ELBOW			
	'A'	'W'	'L'	ROD Ø	'A'	'W'	'L'	ROD Ø	'A'	'W'	'L'	ROD Ø
8" PVC	0.25'	2.0'	2.5'	0.5'	0.25'	2.5'	3.0'	0.5'	0.25'	3.0'	4.0'	0.5'

C2 THRUST BLOCK FOR VERTICAL BENDS
SCALE: NOT TO SCALE



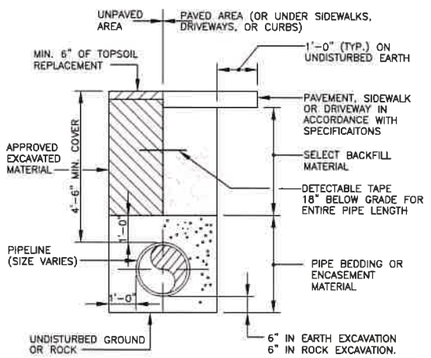
NOTES:
1. ALL EXISTING UTILITIES MUST BE SUPPORTED WITH APPROPRIATE CHAINS/STRAPS DURING CONSTRUCTION OF THE NEW WATERMAIN.
2. WHEN CROSSING A SEWERLINE WITH A NEW WATERMAIN (AND WITHOUT CASING PIPE), ONE FULL PIPE LENGTH (18. FT. MIN.) SHALL BE USED AT THE POINT OF CROSSING. THE WATERMAIN SHALL BE PLACED SO THAT BOTH JOINT ENDS ARE AS FAR AS POSSIBLE FROM THE EXISTING SEWERLINE.
3. IF CASING PIPE IS USED, IT SHALL EXTEND 5 FEET BEYOND THE EXISTING PIPE OUTER WALL EDGE IN EACH DIRECTION, AND NO WATERLINE JOINTS OR FITTINGS SHALL BE LOCATED WITHIN 4 FEET FROM THE CASING PIPE EDGE.

C4 PIPE CROSSING
SCALE: NOT TO SCALE

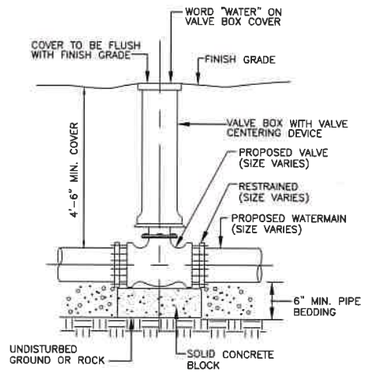


NOTES:
1. POLYETHYLENE WRAP IS TO BE PLACED AROUND THE ENTIRE FITTING, AND SECURED IN PLACE WITH POLYETHYLENE TAPE. PROVIDE SUFFICIENT SLACK SO THAT POLYETHYLENE WRAP IS NOT PUNCTURED DURING BACKFILL AND DOES NOT ENTRAP AIR. POLYETHYLENE WRAP IS NOT TO BE INSTALLED WITHIN 6 INCHES OF VALVE OPERATING NUT.
2. ASSEMBLY TO BE POLYETHYLENE WRAPPED PRIOR TO BEDDING AND CONCRETE BLOCK PLACEMENT.
3. POLYETHYLENE WRAP IS TO BE EXTENDED A MINIMUM OF 12" PAST THE FITTING ON EACH LEG AND SECURED TO THE PIPE (OR POLYWRAP IF DIP) WITH AT LEAST TWO CIRCUMFERENTIAL WRAPS OF POLYETHYLENE TAPE.

C5 TAPPLING SLEEVE & VALVE
SCALE: NOT TO SCALE



A1 TYPICAL TRENCH
SCALE: NOT TO SCALE



A2 TYPICAL LINE VALVE
SCALE: NOT TO SCALE

MIN. REQUIRED HARNESSING LENGTHS (AT 170 PSI TEST PRESSURE AND 4'-6" COVER)									
DEFLECTION	6" PVC	8" PVC	10" PVC	12" PVC	6" D.I.P.	8" D.I.P.	10" D.I.P.	12" D.I.P.
11-1/4°	13'	13'	15'	18'	12'	12'	14'	16'
22-1/2°	25'	25'	30'	34'	23'	23'	28'	32'
45°	48'	48'	57'	67'	45'	45'	54'	63'
90° -TEE (BRANCH ONLY) OR DEAD END	99'	99'	120'	140'	94'	94'	112'	130'

NOTES:
1. THRUST RESTRAINT SHALL BE PROVIDED BY MECHANICAL METHODS IN ACCORDANCE WITH SPECIFICATIONS FOR THE LENGTHS SHOWN IN THE TABLE. THRUST BLOCKS SHALL BE USED AT ALL BENDS AND AS SHOWN ON THE DRAWINGS OR ORDERED BY THE ENGINEER. HARNESSING LENGTHS SHOWN ARE TO BE INSTALLED ON BOTH SIDES OF THE FITTINGS.
2. CONTRACTOR SHALL PROVIDE ALL REQUIRED HARNESSING NECESSARY FOR TESTING PURPOSES. LENGTH AND LOCATION OF HARNESSING SHALL BE DETERMINED BASED UPON CONTRACTORS OPERATIONS.

A3 HARNESSING TABLE
SCALE: NOT TO SCALE

NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS
EST. 1933
3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 827-6000 | (716) 826-7958 fax
www.nussclarke.com

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

WATERLINE DETAILS

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO 027

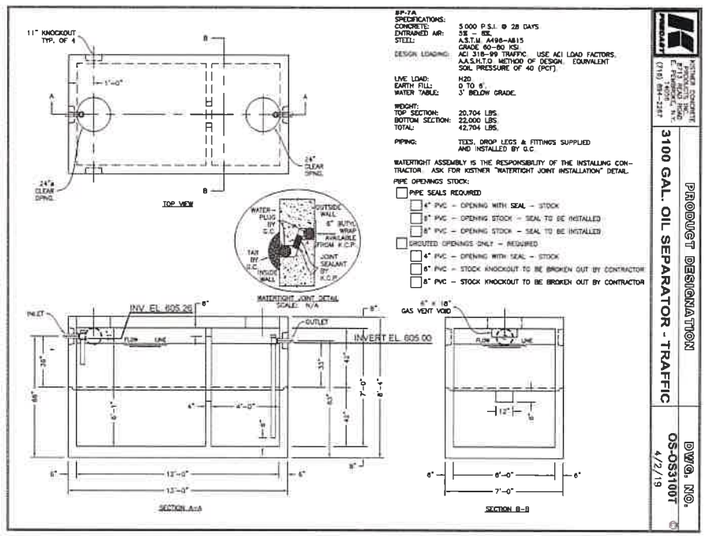
NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	TJB
DESIGNED BY	TJB
CHECKED BY	RJP
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	11 OF 70

C-109

G:\2022\0106 Zeton\08B Working Dwgs\Discipline\C-Civil\C-109 Water Details.dwg 10/4/2023 TBD\CLE



C1 3100 GALLON OIL SEPARATOR IN TRAFFIC AREAS

SCALE: NOT TO SCALE

NOTES:

1.) TEE WYE CLEANOUTS ARE TO BE PLACED AT THE RIGHT OF WAY AND TEE CLEANOUTS ARE TO BE PLACED EVERY 50' WITH A MANDITORY TEE CLEANOUT 5' FROM STRUCTURE.

2.) NO GLUED JOINTS.

3.) NO SUMP PUMPS, ROOF DRAINS, OR FOUNDATION DRAINS ARE PERMITTED TO CONNECT TO THE SANITARY SEWER LINES.

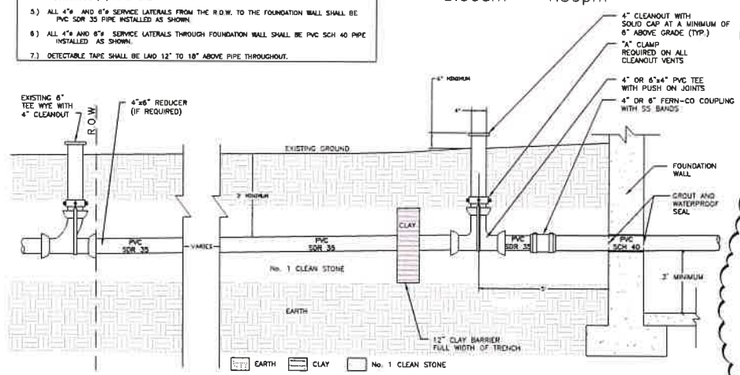
4.) THE SLOPE OF THE SEWER LINE MUST NOT BE LESS THAN ONE EIGHTH (⅛") INCH PER FOOT FOR A SIX INCH (6") SEWER LINE AND NOT LESS THAN ONE QUARTER (¼") INCH PER FOOT FOR A FOUR INCH (4") SEWER LINE.

5.) ALL 4"& AND 6"ø SERVICE LATERALS FROM THE R.O.W. TO THE FOUNDATION WALL SHALL BE PVC SDR 35 PIPE INSTALLED AS SHOWN.

6.) ALL 4"ø AND 6"ø SERVICE LATERALS THROUGH FOUNDATION WALL SHALL BE PVC SCH 40 PIPE INSTALLED AS SHOWN.

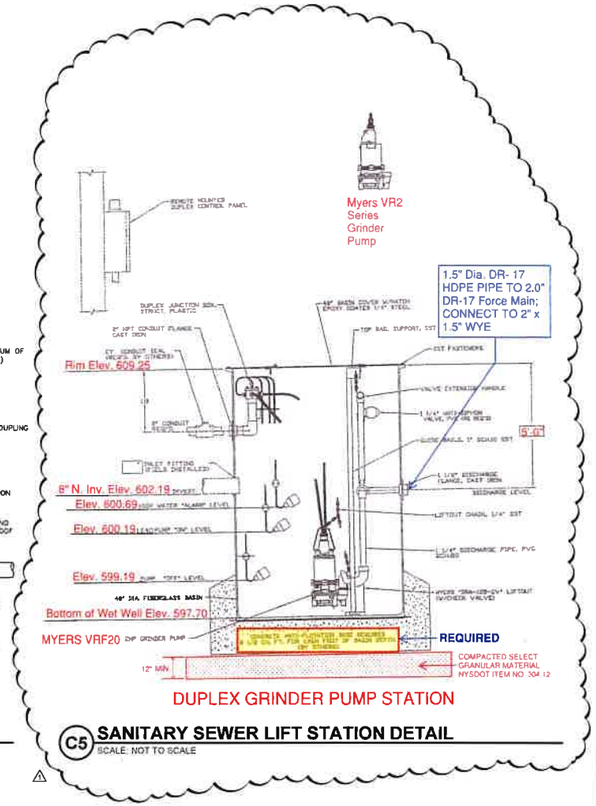
7.) DETECTABLE TAPE SHALL BE LAID 12" TO 18" ABOVE PIPE THROUGHOUT.

CITY OF LOCKPORT
NOTE: INSPECTION REQUIRED
PLEASE CALL: 716-XXX-XXXX
MONDAY - FRIDAY
8:30am - 4:30pm



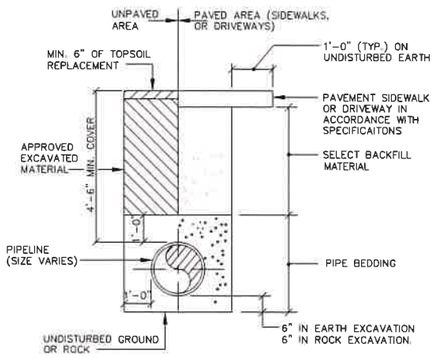
C3 SANITARY SEWER SERVICE CONNECTION

SCALE: NOT TO SCALE



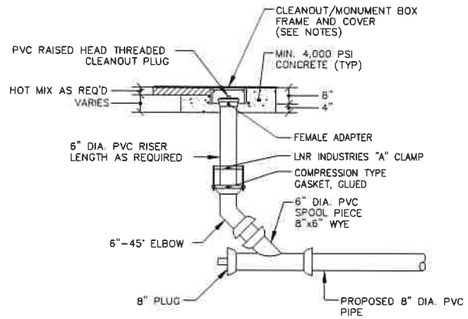
C5 SANITARY SEWER LIFT STATION DETAIL

SCALE: NOT TO SCALE



A1 TYPICAL TRENCH

SCALE: NOT TO SCALE

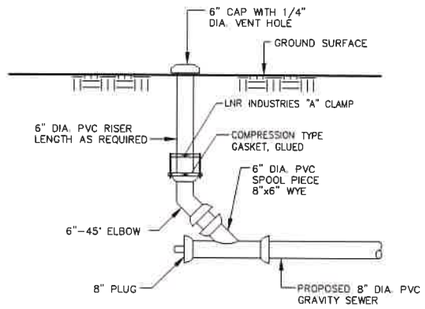


NOTES:

1. COVER SHALL BE MARKED "SEWER" OR "S".
2. LATERAL CLEANOUTS SHALL BE CAPPED IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EXTRANEOUS WATER FROM ENTERING THE SEWER SYSTEM.
3. FASTEN CLEANOUT/MONUMENT BOX FRAME TO CONCRETE USING A MINIMUM OF TWO BOLTS EMBEDDED INTO CONCRETE.

A2 TYPICAL CLEANOUT IN PAVEMENT / CONCRETE

SCALE: NOT TO SCALE



A3 TYPICAL END OF LINE CLEANOUT

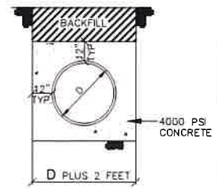
SCALE: NOT TO SCALE

WATERMAIN / SEWER CROSSING DETAIL

CONDITION	SCHEMATIC	REQUIREMENTS
I WATERLINE ABOVE SEWER LINE	WL MORE THAN 18 INCHES SL	A.) WATERLINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING. EACH LENGTH OF PIPE TO BE 10 FT. MINIMUM.
II SEWER LINE ABOVE WATERLINE	SL MORE THAN 12 INCHES WL	A.) WATERLINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING. EACH LENGTH OF PIPE TO BE 10 FT. MINIMUM. B.) PROVIDE CONCRETE ENCASEMENT (SEE TRENCH SECTION DETAIL BELOW) FOR WATERLINE FOR 10 FT. EACH OF CROSSING.

WL (WATERLINE)
SL (SEWER LINE, SANITARY OR STORM)
D (OUTSIDE DIAMETER OF PIPE)

IN NO CASE SHALL PIPES BE CLOSER THAN 12 INCHES APART. DISTANCES ARE MEASURED BETWEEN OUTSIDES OF PIPE.



A5 WATER / SEWER CROSSING

SCALE: NOT TO SCALE

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www.nussclarke.com

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

SANITARY DETAILS

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	ADDENDUM NO. 3	11/10/23

NUSSBAUMER & CLARKE, INC.
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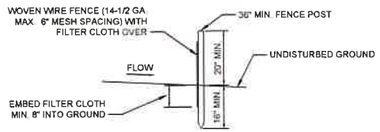
CERTIFICATE NO. 027

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

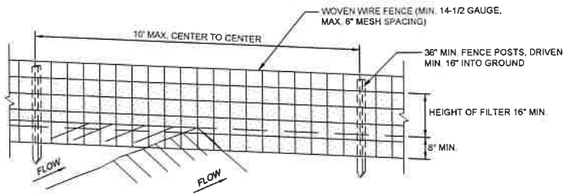
PROJECT NUMBER	22J1-0108
DATE	09-22-23
DRAWN BY	TJB
DESIGNED BY	TJB
CHECKED BY	RJP
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	12 OF 70

C-110

L:\2022\0108 Zeton\08 Working Dwgs\Sheetplan\C-Civil\C-110 SANITARY DETAILS.dwg 11/10/2023 TBOULE



SECTION



PERSPECTIVE VIEW

CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO (2) SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX (6) INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS:
STEEL EITHER T OR U TYPE OR 2"X2" HARDWOOD.

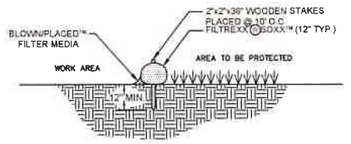
FENCE:
WOVEN WIRE, 14-1/2 GA. 6" MAX. MESH OPENING.

FILTER CLOTH:
FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.

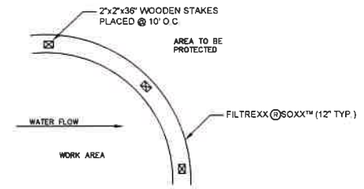
PREFABRICATED UNIT:
GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

CONTRACTOR HAS THE OPTION TO USE FILTREXX SEDIMENT CONTROL "SOXX" IN PLACE OF OR COMBINED WITH SILT FENCE AT HIS/HER DISCRETION. SEE DETAIL THIS SHEET.

C1 SILT FENCE DETAILS (SF)
SCALE: NOT TO SCALE



SECTION

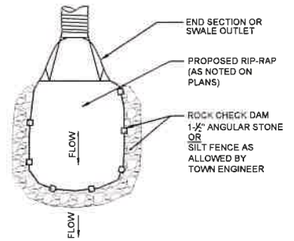


PLAN

NOTES:

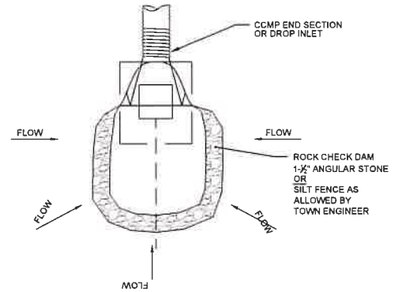
1. ALL MATERIALS TO MEET FILTREXX SPECIFICATIONS.
2. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIALS TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

C2 FILTREXX® SEDIMENT CONTROL (FS)
SCALE: NOT TO SCALE



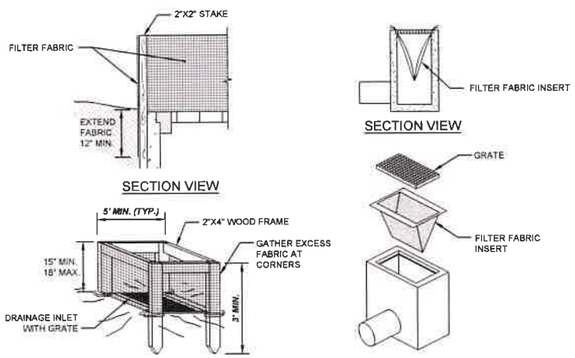
1. SEDIMENT SHALL BE REMOVED WHEN IT HAS ACCUMULATED TO A DEPTH OF WHERE THE RIP-RAP IS NOT VISIBLE AND/OR NO LONGER FUNCTIONS AS A FLOW DISSIPATER. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
3. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN EVENT, AND REPAIRS MADE AS NEEDED.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
5. THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONSTRUCTED DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

C4 SWALE OUTLET SEDIMENT TRAP (SOST)
SCALE: NOT TO SCALE



1. SEDIMENT SHALL BE REMOVED WHEN IT HAS ACCUMULATED TO A DEPTH OF WHERE THE RIP-RAP IS NOT VISIBLE AND/OR NO LONGER FUNCTIONS AS A FLOW DISSIPATER. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
3. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN EVENT, AND REPAIRS MADE AS NEEDED.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
5. THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONSTRUCTED DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

C5 STORM INLET SEDIMENT TRAP (SIST)
SCALE: NOT TO SCALE



SILT FENCE INLET PROTECTION (FOR UNPAVED AREAS)

FILTER FABRIC INLET PROTECTION (FOR PAVED AREAS)

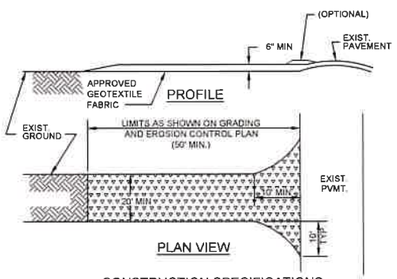
SILT FENCE INLET PROTECTION NOTES:

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"X4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2"X4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

FILTER FABRIC INLET PROTECTION NOTES:

1. INSPECT ON A WEEKLY BASIS AND REMOVE SILT AS NECESSARY.

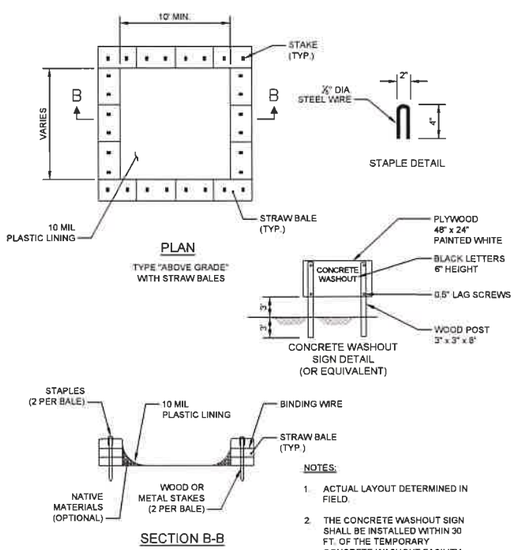
A1 FILTER FABRIC INLET PROTECTION DETAIL (FFIP)
SCALE: NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQ'D, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESI-DENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQ'D ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 1:5 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQ'D, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.

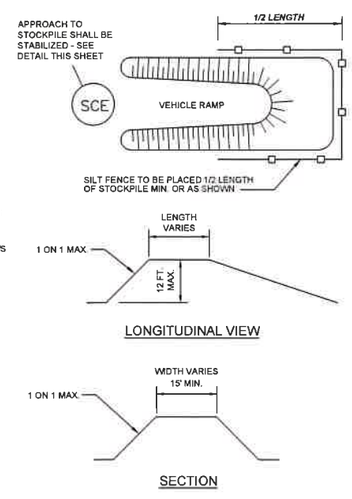
A2 STABILIZED CONSTRUCTION ENTRANCE DETAILS (SCE)
SCALE: NOT TO SCALE



NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

A4 CONCRETE TRUCK WASH OUT DETAIL
SCALE: NOT TO SCALE



A6 TOPSOIL STOCKPILE DETAILS
SCALE: NOT TO SCALE

NUSSBAUMER & CLARKE, INC.
EST. 1933
ENGINEERS AND SURVEYORS
3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 827-6000 | (716) 826-7958 fax
www.nuscarclarke.com

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

EROSION AND SEDIMENT CONTROL DETAILS

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 637
NUSSBAUMER AND CLARKE, INC. INCORPORATED 1933 SEAL NEW YORK BUFFALO, N.Y.
UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	TJB
DESIGNED BY	TJB
CHECKED BY	RJP
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	13 OF 70

C-111

L:\2022\0106 Zeton\088 Working Dwgs\Disciplines\C-Civil\C-111 Erosion Control Details.dwg 10/6/2023 TBO/LE

PROJECT INFORMATION

PROJECT INFORMATION

Project name	Zeton
Export date	05/09/2023

APPLICABLE CODES

2020 Building Code of New York State

BUILDING DATA

Story	Space Name	Occupancy Group	Function of Space	Designed Area (gross sq. ft.)	Area Per Story
1	Warehouse	F-2	Industrial areas	7,403	16,646
	Office	B	Business areas	9,243	
				Total Gross Area:	16,646

Sprinkler type	Type of Construction	Fire Separation	High-Rise
NFPA 13	IIB	Separated Occupancies	No

HEIGHTS AND AREAS

Building Area 503

Separated Mixed Occupancy

Story	Occupancy Group	Designed Area (sq. ft.)	Allowed Area (As) (sq. ft.)
1	F-2	7,403	109,250
	B	9,243	109,250

Refer to Table 508.4 for separation requirements in order for buildings / portions of buildings to be considered as separate occupancies.

Building Height in Stories 504.4

Separated Mixed Occupancy

Occupancy Group	Highest Story Above Grade Plane Occupancy Appears On	Highest Allowable Story Above Grade Plane
F-2	1	4
B	1	4

Building Height in Feet 504.3

Separated Mixed Occupancy

Occupancy Group	Highest Elevation Above Grade Plane Occupancy Appears On	Highest Allowable Elevation Above Grade Plane
F-2	40.0 ft.	75 ft.
B	40.0 ft.	75 ft.

Average Roof Surface Height Above Grade Plane	Highest Allowable Elevation Above Grade Plane
40.0 ft.	75 ft.

EGRESS INFORMATION

Occupant Loads

Story	Space Name	Occupancy Group	Function of Space	Designed Area (gross sq. ft.)	Designed Area (net sq. ft.)	OLF	Occupant Load
1	Warehouse	F-2	Industrial areas	7,403	-	100	75
	Office	B	Business areas	9,243	-	150	62

Min. Exits per Space 1006.3.1 1006.3.2

More than one exit must be provided if the space occupant load or maximum common path of egress travel distance are exceeded. More exits may be required under high occupant load or other special conditions (see notes below

Story	Space Name	Occupancy Group	Function of Space	Cum. Occupant Load of Space	Max Single Exit Cumulative Load of Space	Min. Number of Exits per Space	Max. Common Path of Egress Allowed for Single Exit
1	Warehouse	F-2	Industrial areas	75	49	2	100
	Office	B	Business areas	62	49	2	100

More than one exit must be provided if the space occupant load or maximum common path of egress travel distance are exceeded. More exits may be required under high occupant load or other special conditions (see notes below

Story	Space Name	Occupancy Group	Function of Space	Cum. Occupant Load of Space	Max Single Exit Cumulative Load of Space	Min. Number of Exits per Space	Max. Common Path of Egress Allowed for Single Exit
1	Warehouse	F-2	Industrial areas	75	49	2	100
	Office	B	Business areas	62	49	2	100

Min. Exits per Story 1006.3.2

Story	Total Occupancy Load by Story	Minimum Number of Exits or Exit Accesses	Max Common Path of Egress Allowed for 1 Exit	Max Exit Travel Distance Allowed for 1 Exit
1	137	2	-	-

Max. Exit Access Travel Distance 1017.2

Maximum exit access travel distance serving each space should be at a maximum the values below for each occupancy group

Occupancy Group	Max Exit Access Travel Distance
B	300 ft.
F-2	400 ft.

Max. Dead-End Corridor Length 1020.4

Dead end corridors within each occupancy group should be at a maximum the length given below

Occupancy Group	Max Dead-end Corridor Distance
B, and F-2	50 ft.

Dead-end corridor length limits only apply where more than one exit or exit access doorway is required

Dead-end corridor length is not limited where the length of the dead-end corridor is less than 2.5 times of its least width

Min. Corridor Width 1005 1020.2

N/A

Min. Stairway Width 1005.3.1 1011.2

Story	Stairway	Min. Calculated Value	Min. Value per Sec. 1011.2	Final Min. Stairway Width
1 (See note a)	-			-

a. No stairways entered for these stories

FIRE-RESISTANCE RATINGS

Interior Building Element Fire-Resistance Rating 701.1

Story	Interior Building Element Type	Min. Fire Resistance Ratings (hrs.)
All	Primary structural frame	0
	Interior Bearing Walls	0
	Interior Nonbearing walls and partitions	0
	Floor construction and associated secondary members	0
	Roof construction and associated secondary members	0

Min. Fire Wall Ratings 706.4

Any fire walls present must meet the minimum fire resistance ratings below by occupancy group

Occupancy Group	Min. Fire Wall Resistance Rating (hrs.)
B	2
F-2	2

Fire walls for occupancy groups A, B, E, H-4, I, R-1, R-2, and U within Type II or V construction are permitted to have a reduced fire-resistance rating. These values are reflected above.

Min. Fire Area Separation Ratings 707.3.10

Occupancy Group	Min. Fire Area Separation Rating (hrs.)
B	2
F-2	2

Where a building is divided into separate fire areas, so as to eliminate the need for an automatic fire sprinkler system, the fire walls, fire barriers, horizontal assemblies, or the combination thereof must be constructed in accordance with Table 707.3.10. In a mixed occupancy the higher rating must be used.

Min. Corridor Fire-Resistance Ratings 1020.1

Each corridor must meet the minimum fire resistance ratings below.

N/A

Required Occupancy Separations 508.4

Required Separation of Occupancies (hours)

Occupancy	B	F-2
B	N	1
F-2	-	N

PLUMBING

Required Plumbing Fixtures 1209

Story	Occupancy Group	Space Description	OL	Water Closets	Lavatories	Bathtubs/Showers	Drinking Fountains	Other
1	B	Business, office, bank, tutoring center, or light industrial facility	62	Male: 1.24 Female: 1.24	Male: 0.78 Female: 0.78	-	0.62	1 service sink
	F-2	Factory or medium-heavy industrial	75	Male: 0.38 Female: 0.38	Male: 0.38 Female: 0.38	-	0.19	1 service sink

For urinal fixture counts, see Section 424.2 of the Plumbing Code

Fixture Ratios

Space Description	Water Closets	Lavatories	Bathtubs and Showers	Drinking Fountains	Other
Business, office, bank, tutoring center, or light industrial facility	Male: 1 per 25 for the first 50 and 1 per 50 for the remainder exceeding 50 Female: 1 per 25 for the first 50 and 1 per 50 for the remainder exceeding 50	Male: 1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80 Female: 1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80	-	1 per 100	1 service sink
Factory or medium heavy industrial	Male: 1 per 100 Female: 1 per 100	Male: 1 per 100 Female: 1 per 100	-	1 per 400	1 service sink

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ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

CODE ANALYSIS

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	5/09/23

NUSSBAUMER & CLARKE, INC.
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CERTIFICATE NO. 027

REGISTERED ARCHITECT
JOHN J. PERCIA
083371
STATE OF NEW YORK

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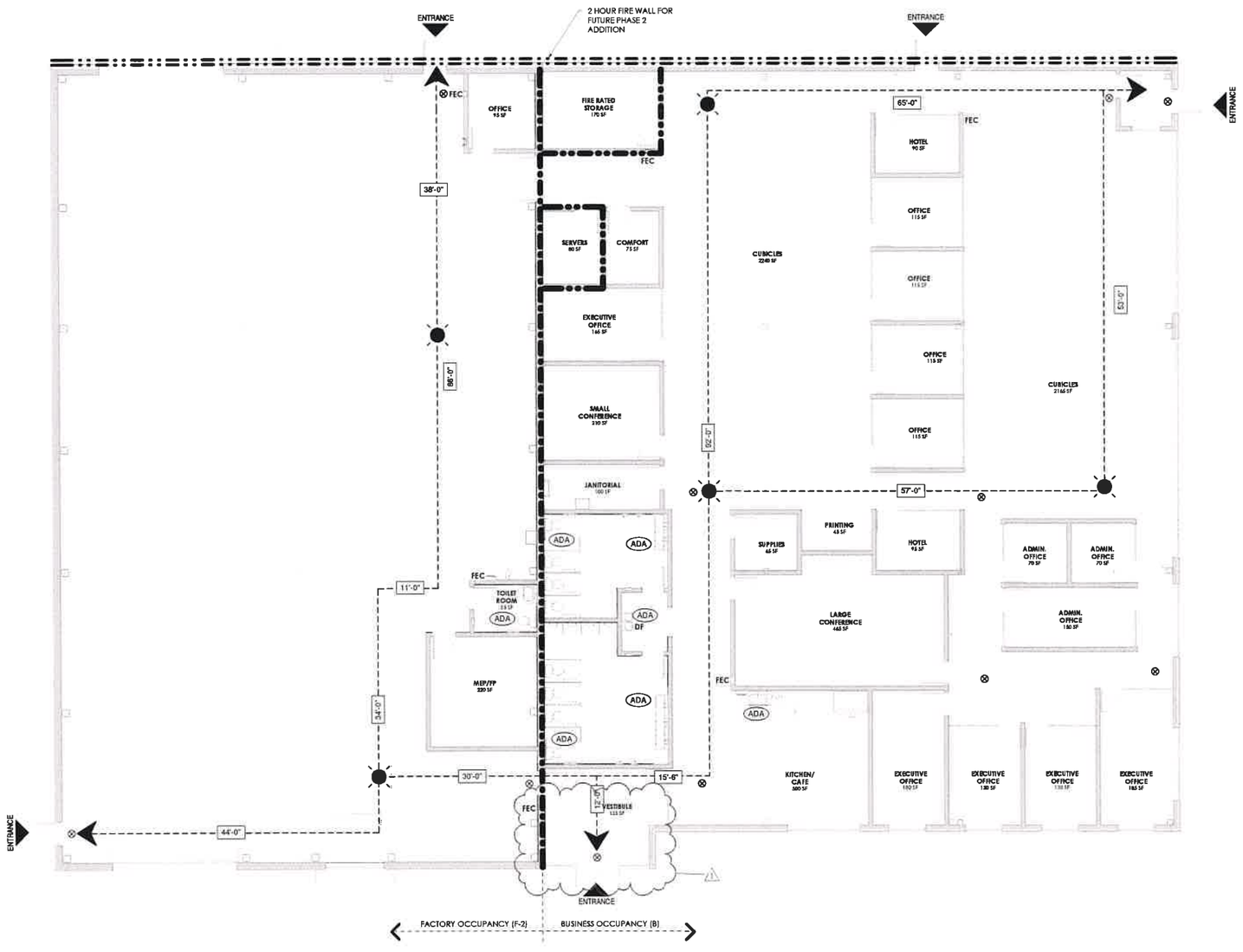
DESIGNED BY	Designer
CHECKED BY	Checker
APPROVED BY	Approver
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

G-001

PLOTTED: 24x36 Broadway 5/9/2023 TROYLE



1 **Code Compliance Plan - First Floor**
1/8" = 1'-0"

Code Plan Legend

- TRAVEL PATH TO EXIT
  EXIT ACCESS TRAVEL DISTANCE:
  - BUSINESS = 300' MAX
  - FACTORY (F-2) = 400'-0" MAX
- POINT OF DECISION
- STARTING POINT OF TRAVEL DISTANCE
- EXIT TO GRADE
- 0'-0" — TRAVEL DISTANCE (FT)/ROUTE TO EXIT ACCESS
- 1/2 HR FIRE RATE FIRE BARRIER
- 1 HR FIRE BARRIER
- 2 HR FIRE WALL
- 2 HR FIRE RATE FIRE BARRIER
- 3 HR FIRE RATE FIRE BARRIER
- FEC — FIRE EXTINGUISHER CABINET (MAX DISTANCE 75')
- EXIT SIGN - REFER TO ELECTRICAL
- ADA — ACCESSIBLE FIXTURE
- ENTRANCE — ACCESSIBLE ENTRANCE

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ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

CODE COMPLIANCE PLAN

REVISIONS

No	DESCRIPTION	DATE
1	(VE1) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
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CERTIFICATE NO. 027

REGISTERED ARCHITECT
JOHN J. PERRINO
033371
STATE OF NEW YORK

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APPROVED BY	Approver
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

G-002

11.X0.0.1.D - 23x36 Borders - Fri, 11/10/2023 1:50:01 E

Abbreviations

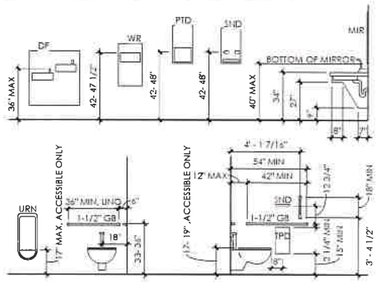
AAC	Asbestos Abatement Contractor
AC	Air Conditioning
ACOUST	Acoustical
ACT	Acoustic Ceiling Tile
AFF	Above Finish Floor
ALT	Alternate
ALUM	Aluminum
AP	Access Panel
APPD	Approved
APPROX	Approximate
ARCH	Architectural
ASPH	Asphalt
AVG	Average
BD	Board
BLK	Block
BUR	Built-Up Roof
CB	Catch Basin
CEM	Cement
CER	Ceramic
CIP	Cast Iron Pipe
CJ	Control Joint
CLOS	Closet
CMP	Corrugated Metal Pipe
CMT	Ceramic Mosaic Tile
CMU	Concrete Masonry Unit
CO	Cleanout
COL	Column
CONC	Concrete
CONST	Construction
CONT	Continuous
CORR	Corridor
CRS	Courses
CT	Ceramic Tile
DF	Drinking Fountain
DIA	Diameter
DIP	Ductile Iron Pipe
DR	Door
DS	Downspout
DWG	Drawing
EA	Each
EC	Electrical Contractor
EF	Exhaust Fan
EIFS	Exterior Insulation & Finish System
EJ	Expansion Joint
ELEC	Electrical
ELEV	Elevation
EPDM	Ethylene Propylene Diene Monomer
EQ	Equal
EQUIP	Equipment
EW	Each Way
EXIST	Existing
EXP	Expansion
EXT	Exterior
FACP	Fire Alarm Control Panel
FE	Fire Extinguisher
FEC	Fire Extinguisher and Cabinet
FEG	From Existing Grade
FIN FLR	Finish Floor
FRP	Fiberglass Reinforced Polyester
FT	Foot
FTG	Footing
GA	Gauge
GB	Grab Bar
GC	General Contractor
GFB	Ground Face Block
GFI	Ground Fault Interrupter
GWB	Gypsum Wall Board
HC	Handicapped Accessible
HM	Hollow Metal
HORIZ	Horizontal
HR	Hour
HVAC	Heating Ventilation & Air Conditioning
HW	Hot Water
IM	Insulated Metal

Abbreviations

IN	Inch
INSUL	Insulation or Insulated
INV	Invert
ISO	Isolation
JAN	Janitors Closet
JT	Joint
LA	Lavatory
LAM	Laminate
LG	Long
MAX	Maximum
MC	Mechanical Contractor
MDH	Magnetic Door Holder
MECH	Mechanical
MFGR	Manufacturer
MH	Manhole
MIN	Minimum
MIR	Mirror
MISC	Miscellaneous
MR	Moisture Resistant
MTL	Metal
NIC	Not In Contract
NTS	Not To Scale
OC	On Center
OH	Overhead
OPH	Opposite Hand
P LAM	Plastic Laminate
PC	Plumbing Contractor
PLAS	Plaster
PLYWD	Plywood
POLY	Polyethylene
PR	Pair
PREFAB	Prefabricated
PT	Pressure Treated
PTD	Paper Towel Dispenser
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
RD	Roof Drain
REF	Refer To
REFRIG	Refrigerator
REINF	Reinforcement
RM	Room
ROB	Run of Bank
SC	Solid Core
SCHED	Schedule
SF	Square Foot
SIM	Similar
SND	Sanitary Napkin Dispenser
SQ	Square
SS	Stainless Steel
STL	Steel
STOR	Storage
STR	Structural
T&G	Tongue & Groove
TEL	Telephone
TO	Top Of
TOG	Top of Grate
TOS	Top of Steel
TPD	Toilet Paper Dispenser
TYP	Typical
UNO	Unless Noted Otherwise
URN	Urinal
VB	Vapor Barrier
VCT	Vinyl Composition Tile
VERT	Vertical
VEST	Vestibule
VIF	Verify In Field
W/	With
W/O	Without
WD	Wood
WH	Water Heater
WR	Waste Receptacle
WWF	Welded Wire Fabric

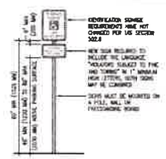
Signage Examples

Fixture Mounting Heights

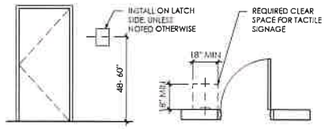


PROVIDE BUILT IN FIRE RETARDANT SOLID WOOD BLOCKING FOR HANDRAILS, COUNTERTOPS, ACCESSORIES AND ALL OTHER MISCELLANEOUS ITEMS THAT REQUIRE ANCHORAGE AT WALLS, AT MASONRY PARTITIONS, GROUT BLOCK SOLID AS REQUIRED.

Accessible Parking Signage Diagram



Signage Requirements



A. SIGN SHALL BE INSTALLED ON WALL ADJACENT TO THE LATCH SIDE OF THE DOOR OR TO THE RIGHT OF THE RIGHT HAND DOOR AT DOUBLE DOORS. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR OR TO THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHOULD BE ON THE NEAREST ADJACENT WALL. CHARACTER MOUNTING HEIGHT SHALL BE 48" A.F.F.(MIN.) TO 60" A.F.F. (MAX.). SIGNS CONTAINING TACTILE CHARACTERS SHALL HAVE AN 18"X18" MIN. SPACE ON THE GROUND, CENTERED ON THE SIGN, BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED AND 45 DEGREE OPEN POSITION.

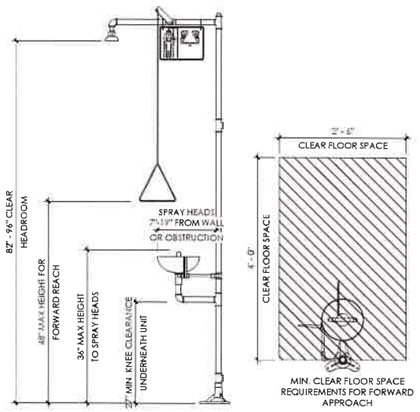
B. TACTILE CHARACTERS SHALL BE SANS SERIF AND SHALL BE ACCOMPANIED BY GRADE II BRAILLE. TACTILE CHARACTERS SHALL BE RAISED 1/32" MIN. ABOVE THEIR BACKGROUND. CHARACTERS SHALL BE 5/8" MIN. AND 2" MAX.

C. PICTOGRAMS SHALL HAVE A HEIGHT OF 6". CHARACTERS OR BRAILLE SHALL NOT BE IN THE PICTOGRAM FIELD. WHERE TEXT DESCRIPTORS FOR PICTOGRAMS ARE REQUIRED, THEY SHALL BE DIRECTLY BELOW OR ADJACENT TO THE PICTOGRAM.

D. CHARACTERS AND THEIR BACKGROUNDS SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

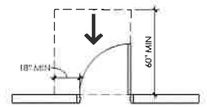
E. LOCATIONS REQUIRING SIGNAGE:
-ACCESSIBLE WOMENS, MENS, AND UNISEX TOILET ROOMS
-PARKING WHEN >5 SPACES ARE PROVIDED
-SIGNAGE AS NOTED IN THE CONTRACT DOCUMENTS

Shower & Eye Was Clearances

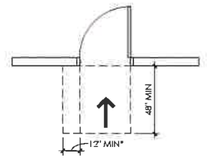


MIN. CLEAR FLOOR SPACE REQUIREMENTS FOR FORWARD APPROACH

Accessibility Requirements

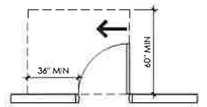


Front Approach, Pull Side

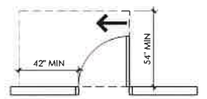


*WHERE BOTH CLOSER AND LATCH ARE PROVIDED

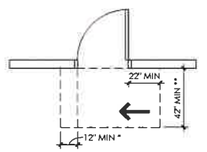
Front Approach, Push Side



Hinge Approach, Pull Side

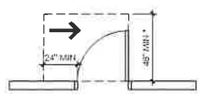


Hinge Approach, Pull Side



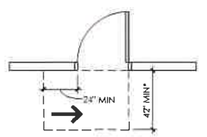
*WHERE BOTH CLOSER AND LATCH ARE PROVIDED
** 48" MIN IF BOTH CLOSER AND LATCH PROVIDED

Hinge Approach, Push Side



*54" MIN WHERE CLOSER IS PROVIDED

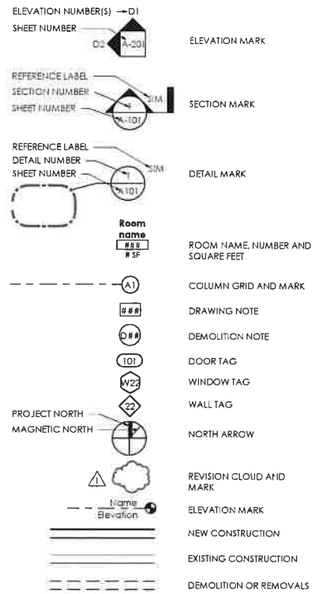
Latch Approach, Pull Side



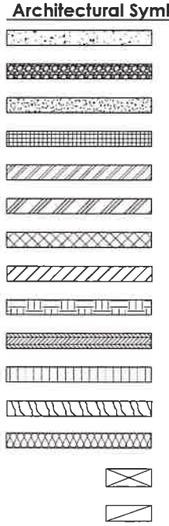
*48" MIN WHERE CLOSER IS PROVIDED

Latch Approach, Push Side

Drawings Legend



Architectural Symbols



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ELEV8 ARCHITECTURE

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115 OAKHURST STREET, LOCKPORT NY

ABBREVIATIONS & LEGENDS

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	04/28/23

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ANDREW J. PERRY
035371
STATE OF NEW YORK

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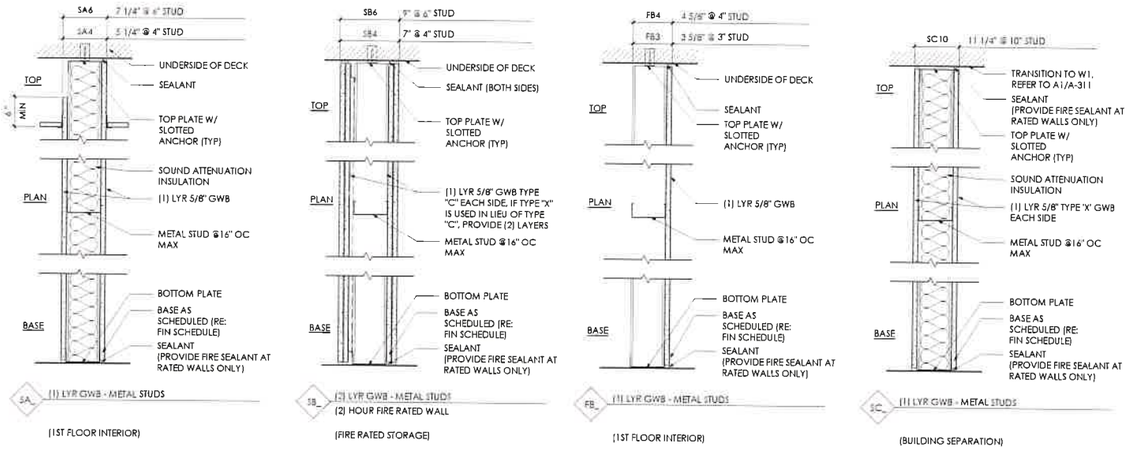
SHEET No.	x OF xx

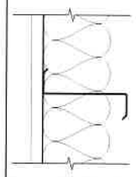
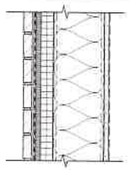
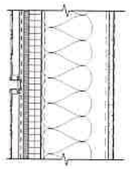
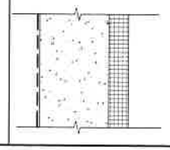
A-001

FILENAME: 22J1-0108 Blanket.dwg 4/12/2023 7:50:07 AM

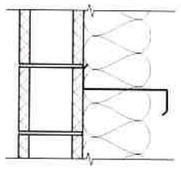
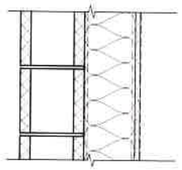


Wall Types

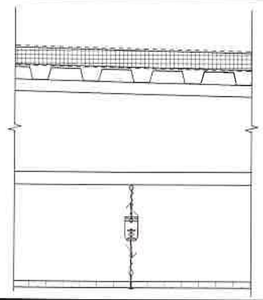
EXTERIOR WALL ASSEMBLIES

TYPE	SECTION	BASIC COMPONENTS
	W1: EXTERIOR CORRUGATED METAL PANEL	
W1		• 10" 'Z' WALL GIRT (SEE STRUCTURAL) • 8" METAL BUILDING INSULATION WITH VAPOR RETARDER • VERTICAL CORRUGATED METAL PANEL **ALL EXTERIOR WALLS MUST MEET THE REQUIREMENTS OF NFPA 285**
	W2: EXTERIOR THIN BRICK	
W2		• 5/8" GYPSUM WALL BOARD • 6" COLD FORMED METAL STUD FRAMING • 6" BATT INSULATION • HUNTER XCI PANEL SYSTEM (1 1/2" RIGID MIN.) • AIR BARRIER • TRU BRIX RAIL SYSTEM • TRUBRIX BRICK • TRU BRIX MORTAR **ALL EXTERIOR WALLS MUST MEET THE REQUIREMENTS OF NFPA 285**
	W3: EXTERIOR SMOOTH METAL PANEL	
W3 W4		• 5/8" GYPSUM WALL BOARD • 8" COLD FORMED METAL STUD FRAMING • 6" BATT INSULATION • HUNTER XCI PANEL SYSTEM (1 1/2" RIGID MIN.) • AIR BARRIER • CITADEL ENVELOPE 2000 (DRV) - Wall Type W3 ONLY • PAC-CLAD VERTICAL METAL - Wall Type W4 Only **ALL EXTERIOR WALLS MUST MEET THE REQUIREMENTS OF NFPA 285**
	FOUNDATION WALL	
		• 2" RIGID INSULATION BELOW CONDITIONED SPACES • CONCRETE FOUNDATION RE: STRUCTURAL DWGS • CONTINUOUS DAMPPROOFING

EXTERIOR WALL ASSEMBLIES

TYPE	SECTION	BASIC COMPONENTS
	W5: EXTERIOR CONCRETE MASONRY UNIT	
W5		• 10" 'Z' WALL GIRT (SEE STRUCTURAL) • 8" METAL BUILDING INSULATION WITH VAPOR RETARDER • 8" CONCRETE MASONRY UNIT • EXTERIOR PAINT **2 HOUR FIRE WALL (FUTURE DOUBLE FIRE WALL)** **ALL EXTERIOR WALLS MUST MEET THE REQUIREMENTS OF NFPA 285**
	W6: EXTERIOR CONCRETE MASONRY UNIT	
W6		• 5/8" GYPSUM WALL BOARD • 6" COLD FORMED METAL STUD FRAMING • 6" BATT INSULATION • 8" CONCRETE MASONRY UNIT • EXTERIOR PAINT **2 HOUR FIRE WALL (FUTURE DOUBLE FIRE WALL)** **ALL EXTERIOR WALLS MUST MEET THE REQUIREMENTS OF NFPA 285**

ROOF ASSEMBLIES

TYPE	SECTION	BASIC COMPONENTS
	R1: ROOF SYSTEM	
R1		• TPO ROOFING MEMBRANE (20 YR WARRANTY) • RIGID INSULATION MECHANICALLY FASTENED (R30 MIN) • VAPOR BARRIER • METAL ROOF DECK • SLOPED ROOF FRAMING (RE: STRUCTURAL DWGS) • SUSPENDED CEILING SYSTEM (RE:RCP DWGS) **CLASS A (1-90)**

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ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

WALL, FLOOR & ROOF TYPES

REVISIONS

No.	DESCRIPTION	DATE
1	(VE1) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

REGISTERED ARCHITECT
JOHN J. PERRINO
035371
STATE OF NEW YORK

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DATE	06/12/23
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CHECKED BY	Checker
APPROVED BY	Approver
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

A-002

PLOTTED BY: 24-06 Buffalo, 11/2023 TROYLE

General Notes

A. ALL DIMENSIONS ARE TO THE FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED

B. THE CONTRACTOR IS NOT TO SCALE DRAWINGS OR DETAILS.

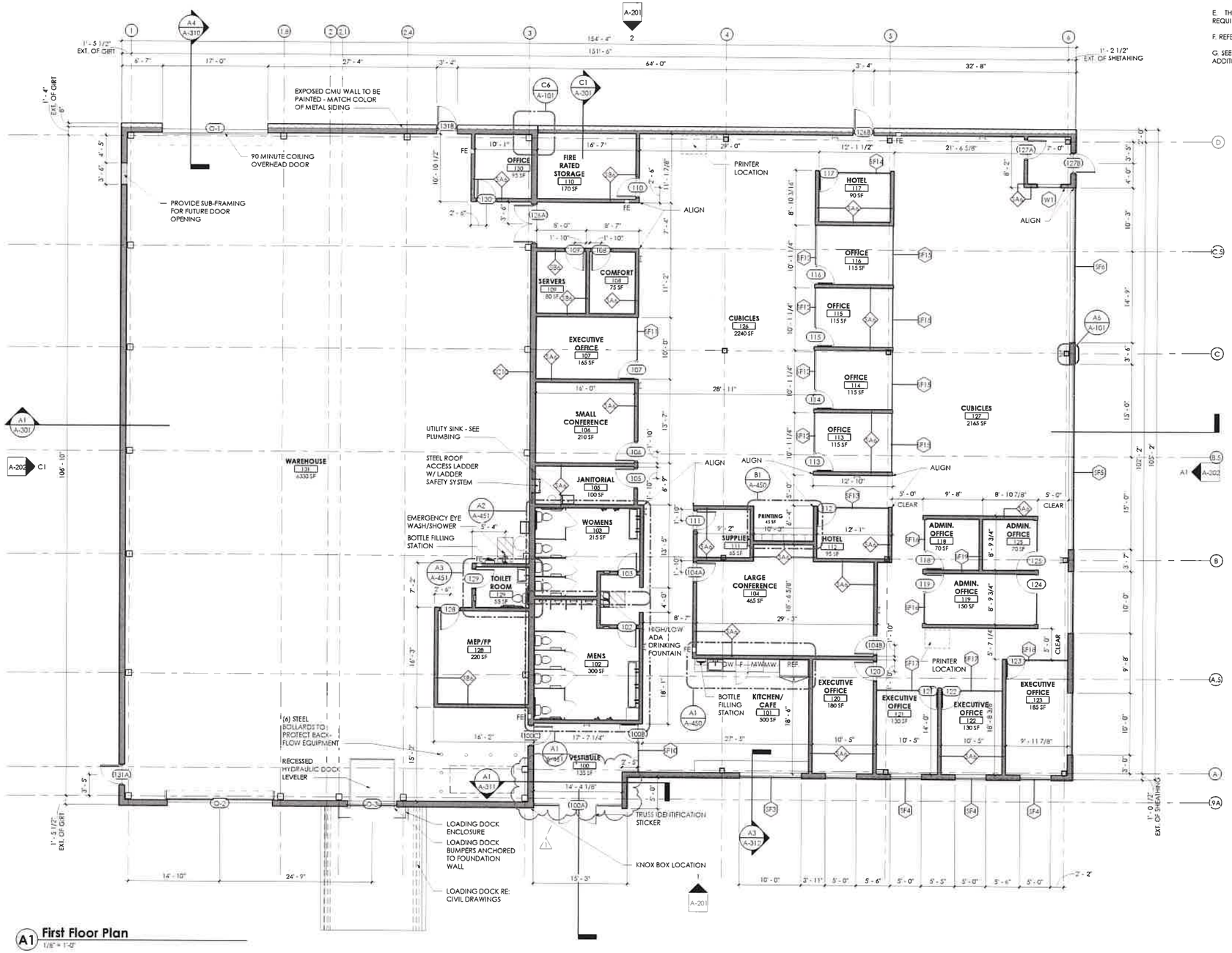
C. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH THE REQUIREMENTS OF LOCAL AUTHORITIES

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCITON AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR STRUCTURAL OR REMOVAL TASKS.

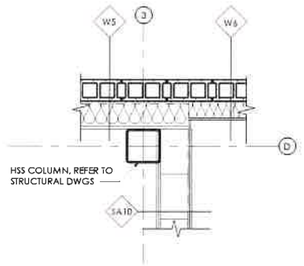
E. THE CONTRACTOR SHALL PERFORM ALL CUTTING, PATCHING, REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS.

F. REFER TO A-001 FOR WALL TYPE INFORMATION.

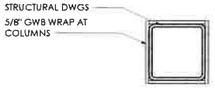
G. SEE CIVIL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL SCOPE



A1 First Floor Plan
1/8" = 1'-0"



C6 Wall Transition Detail
1/2" = 1'-0"



A6 Column FP Detail, Office Only
1" = 1'-0"

NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS
EST. 1933
3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 827-8000 | (716) 826-7958 | fax
www.nussbaumer.com

ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

FIRST FLOOR PLAN

REVISIONS		
No	DESCRIPTION	DATE
1	(WE'RE) VALUE ENGINEERING 1	01.29.2024

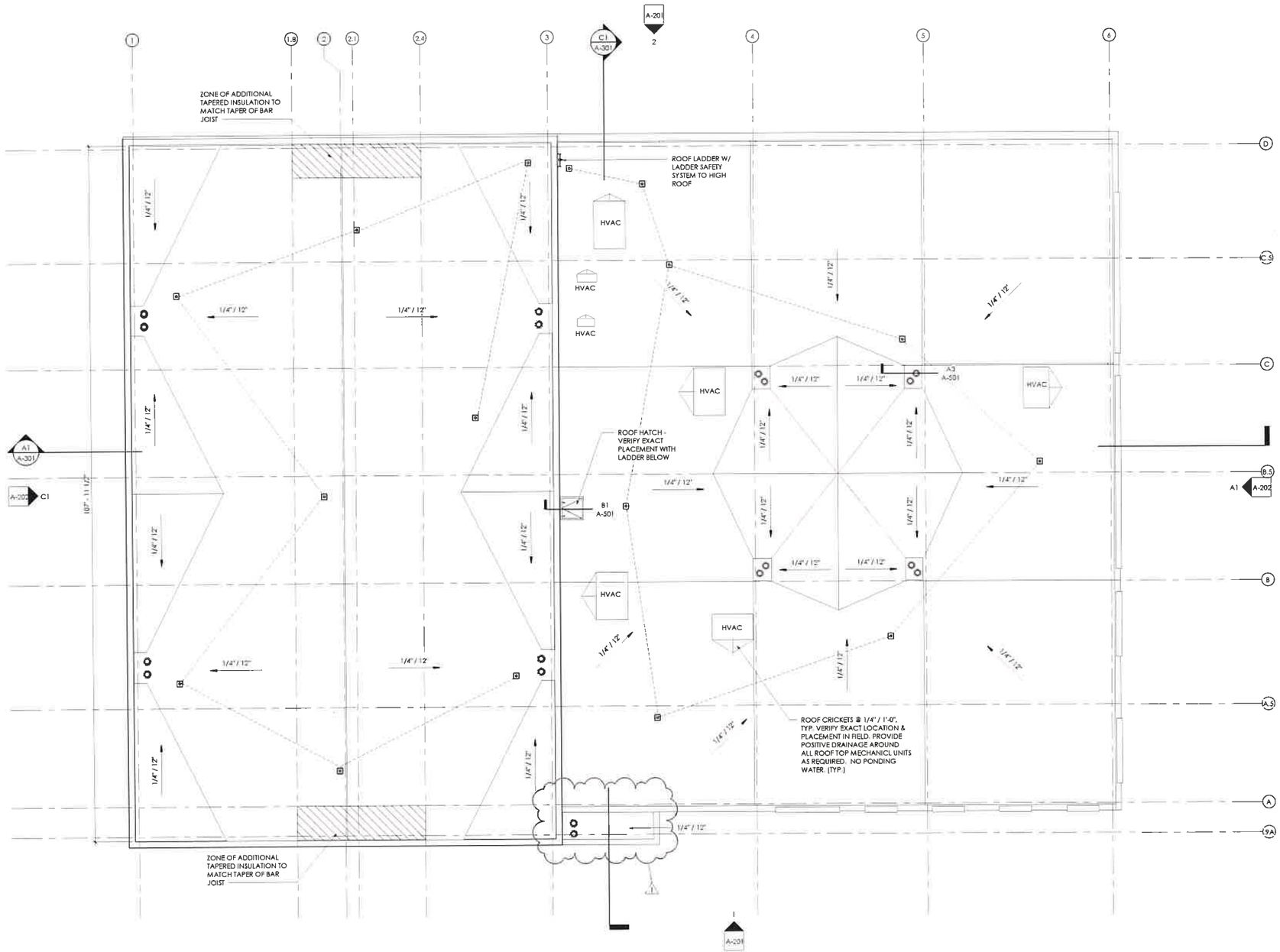
NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

REGISTERED ARCHITECT
JOHN J. PERRINO
033371
STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	04/28/2023
DRAWN BY	NES
DESIGNED BY	AJP/NES
CHECKED BY	AJP
APPROVED BY	AJP
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx
	A-101

Y:\ARCHLD 24\Lib Binder.dwg 4/12/2023 TBLK.TLE



A1 **Roof Plan**
1/8" = 1'-0"

General Notes

A. REFER TO SHEET A-001 FOR GENERAL NOTES.

B. ALL ROOF MOUNTED ITEMS (I.E. EXPANSION JOINTS, PIPES, DUCTS, CURBS, LIGHTING, RODS, EQUIPMENT SUPPORTS, ETC.) TO BE FLASHED WATERTIGHT PER SMACNA, NRCA & WRITTEN ROOFING MANUFACTURER'S RECOMMENDATION TO SUIT JOB CONDITION.

C. COORDINATE SIZE, QUANTITY AND LOCATIONS OF PENETRATIONS WITH ALL TRADES.

D. FLASH ALL EDGE CONDITIONS WATER TIGHT PER MANUFACTURER'S SPECIFICATIONS. ROOFING WORK SHALL INCLUDE ALL FLASHING, COUNTER FLASHING, COPING/CAP FLASHING & DRAINS.

E. THE ROOF SHALL BE SLOPED, AS MEASURED FROM ANY POINT ON THE ROOF, TOWARD THE ROOF DRAINS AT A MINIMUM 1/4" PER FT.

F. PROVIDE ANGLE FRAMING @ ROOF OPENINGS.

Roof Legend

1/4"/12"	ROOF SLOPE
	ROOF DRAIN & OVERFLOW DRAIN
	ROOF ACCESS HATCH
HVAC	HVAC EQUIPMENT, REFER TO MECHANICAL DWGS
	DBI - SALA - ROOFTOP ANCHORS - MODEL 2100139 WITH SAYFLINE SYNTHETIC ROPE HORIZONTAL LIFELINE INSTALLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS FOR INSTALLATION ON METAL DECKS.

NUSSBAUMER & CLARKE, INC.
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ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

ROOF PLAN

REVISIONS

No.	DESCRIPTION	DATE
1	(VE1) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
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CERTIFICATE NO. 027

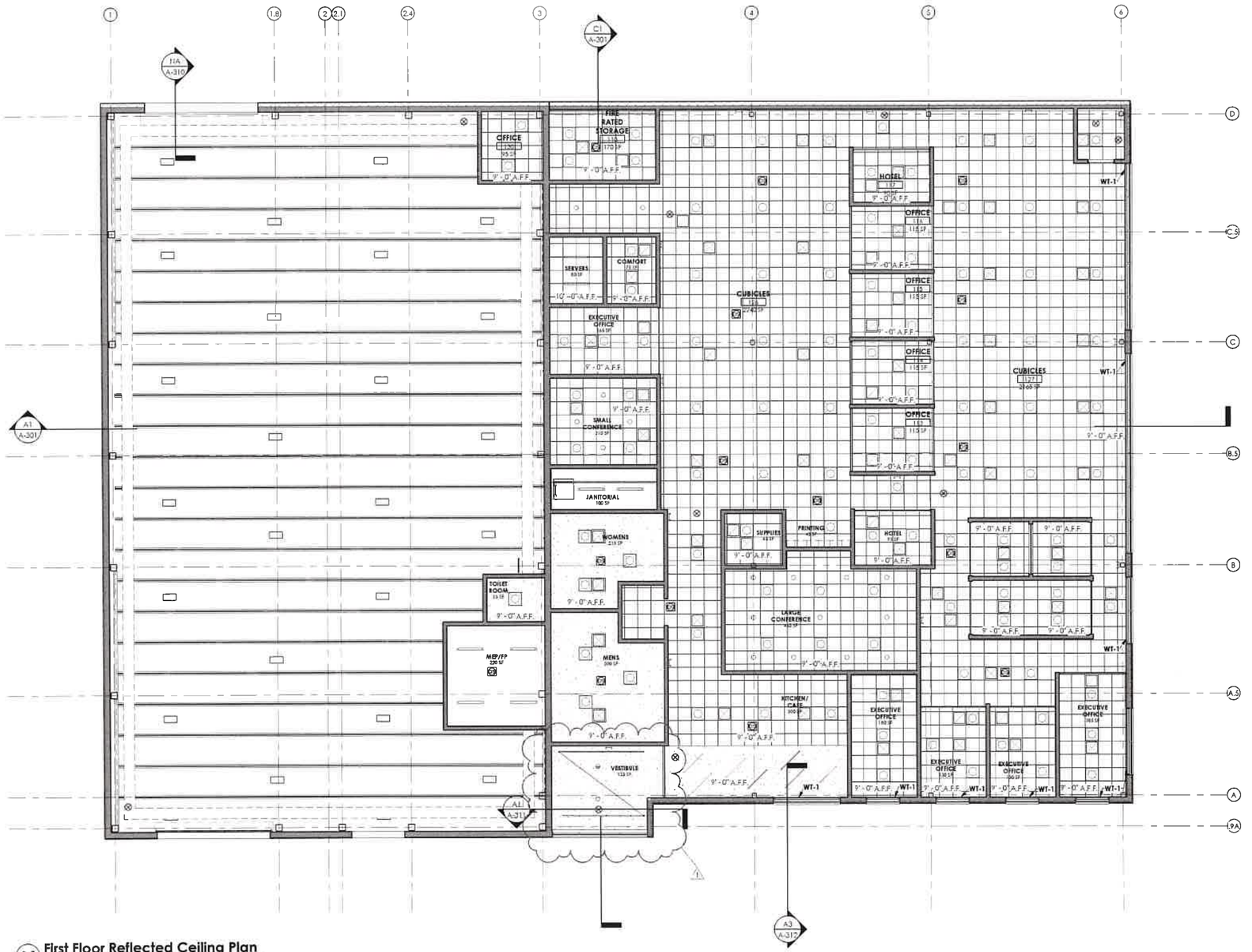
REGISTERED ARCHITECT
JOHN J. PERRINO
035371
STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	04/28/2023
DRAWN BY	NES
DESIGNED BY	NES/AJP
CHECKED BY	AJP
APPROVED BY	AJP
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

A-102

X:\22J1-0106 - 24 Oak Street\Dwg 4-12-2023.TBL\TITLE



A1 First Floor Reflected Ceiling Plan
1/8" = 1'-0"

General Notes RCP

A. REFER TO SHEET A-001 FOR GENERAL NOTES.

B. MEP DEVICES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS ARE PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL DRAWINGS FOR ACTUAL QUANTITIES, STYLE & MODEL.

C. ALL CEILING INSTALLED DEVICES SHALL BE CENTERED WITHIN CEILING TILE AND/OR CEILING TILE MODULE UNLESS NOTED OTHERWISE.

D. CENTER CEILING SYSTEM IN EACH ROOM AS SHOWN UNLESS NOTED OTHERWISE.

E. COORDINATE EXACT LOCATION OF ACCESS PANELS W/ MEP DRAWINGS.

General Notes

A. ALL DIMENSIONS ARE TO THE FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED

B. THE CONTRACTOR IS NOT TO SCALE DRAWINGS OR DETAILS.

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F. REFER TO A-001 FOR WALL TYPE INFORMATION.

G. SEE CIVIL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL SCOPE.

RCP Legend

- 2X2 CEILING GRID
- GWB CEILING
- 2X2 LIGHTING FIXTURE (REFER TO ELECTRICAL DWGS)
- RECESSED CAN LIGHTING FIXTURE
- EXIT SIGN LOCATION (REFER TO FA DWGS)
- EMERGENCY LIGHTING FIXTURE (REFER TO ELECTRICAL DWGS)
- LINEAR PENDANT LIGHTING FIXTURE (REFER TO ELECTRICAL DWGS)
- CEILING LIGHTING FIXTURE (REFER TO ELECTRICAL DWGS)
- RECESSED LINEAR LED LIGHTING FIXTURE (REFER TO ELECTRICAL DWGS)
- OCCUPANCY SENSOR (REFER TO ELECTRICAL DWGS)

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www.nussbaumclarke.com

ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

FIRST FLOOR REFLECTED CEILING PLAN

REVISIONS

No.	DESCRIPTION	DATE
1	ISE 1 VALUE ENGINEERING 1	01.20.2024

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 0127

REGISTERED ARCHITECT
AJAY P. PATEL
033371
STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	04/28/2023
DRAWN BY	NES
DESIGNED BY	NES/AJP
CHECKED BY	AJP
APPROVED BY	AJP
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

A-141

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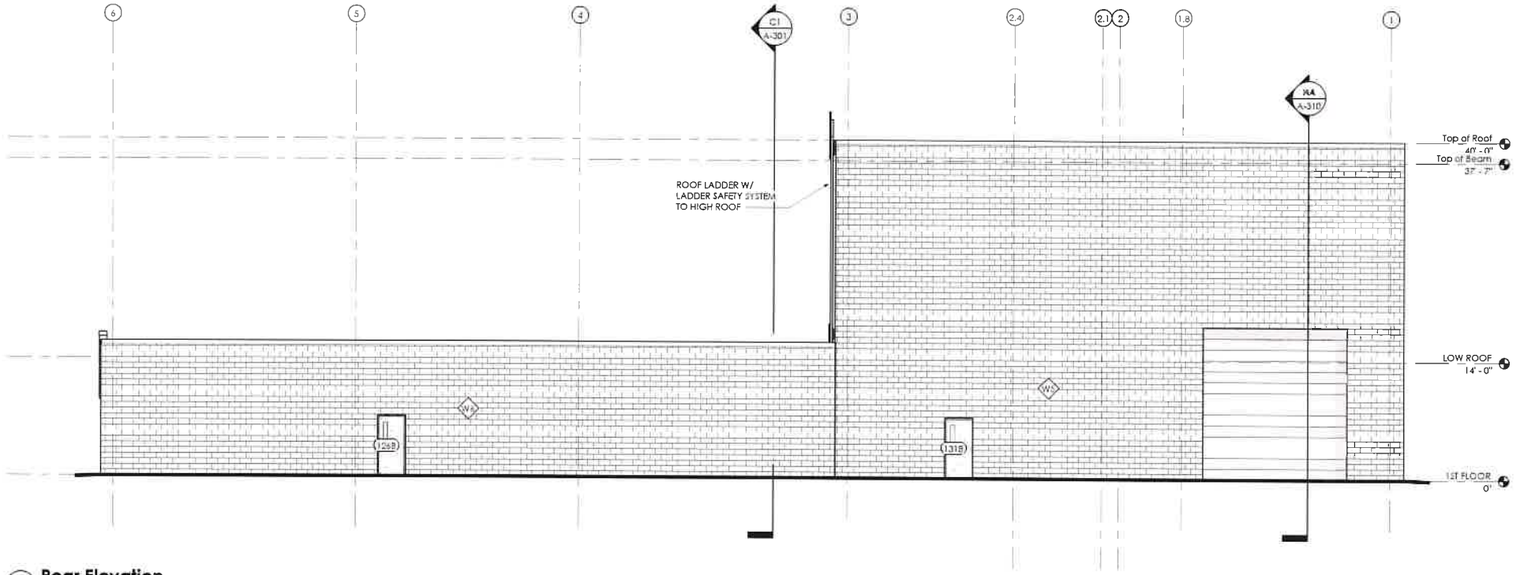
General Notes

A. REFER TO SHEET A-001 FOR GENERAL NOTES AND WALL TYPES.

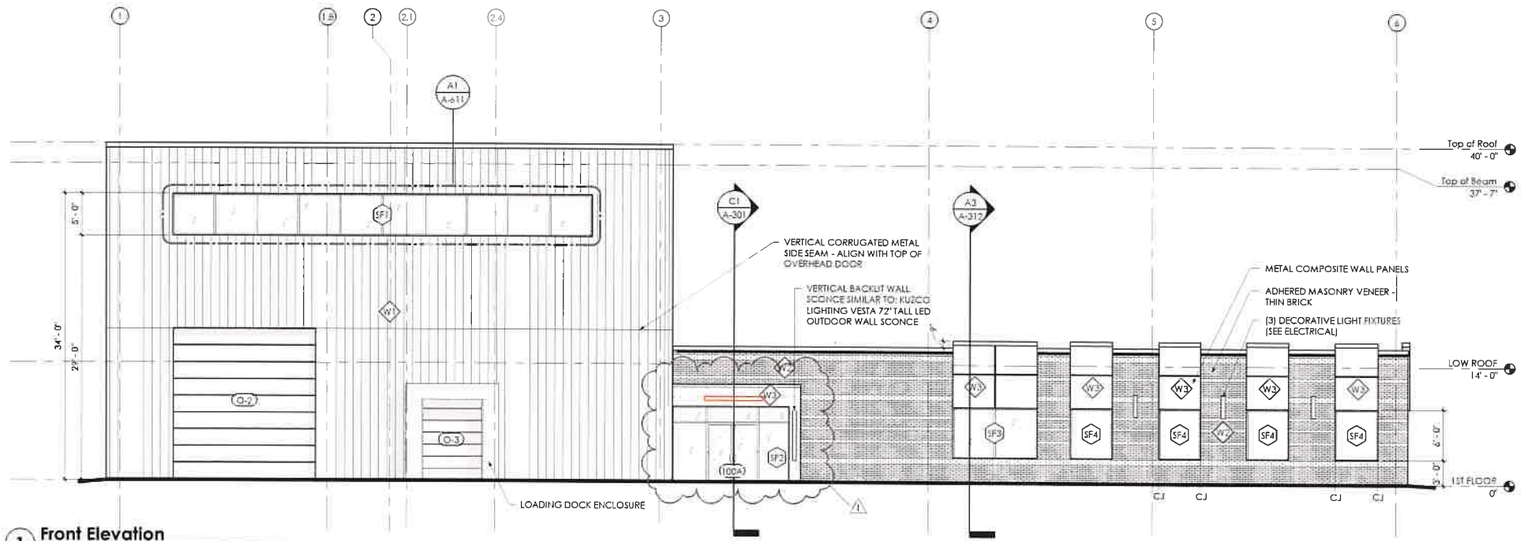
B. ALL DIMENSIONS ARE TO THE FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED.

C. THE CONTRACTOR IS NOT TO SCALE DRAWINGS OR DETAILS.

Drawing Notes



2 Rear Elevation
1/8" = 1'-0"



1 Front Elevation
1/8" = 1'-0"

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www.nussbaumerclarke.com

ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

EXTERIOR ELEVATIONS

REVISIONS

No.	DESCRIPTION	DATE
1	(VE1) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

REGISTERED ARCHITECT
AJAY J. PATEL
033371
STATE OF NEW YORK

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PROJECT NUMBER	22J1-0106
DATE	04/28/2023
DRAWN BY	NES
DESIGNED BY	NES/AJP
CHECKED BY	AJP
APPROVED BY	AJP
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

A-201

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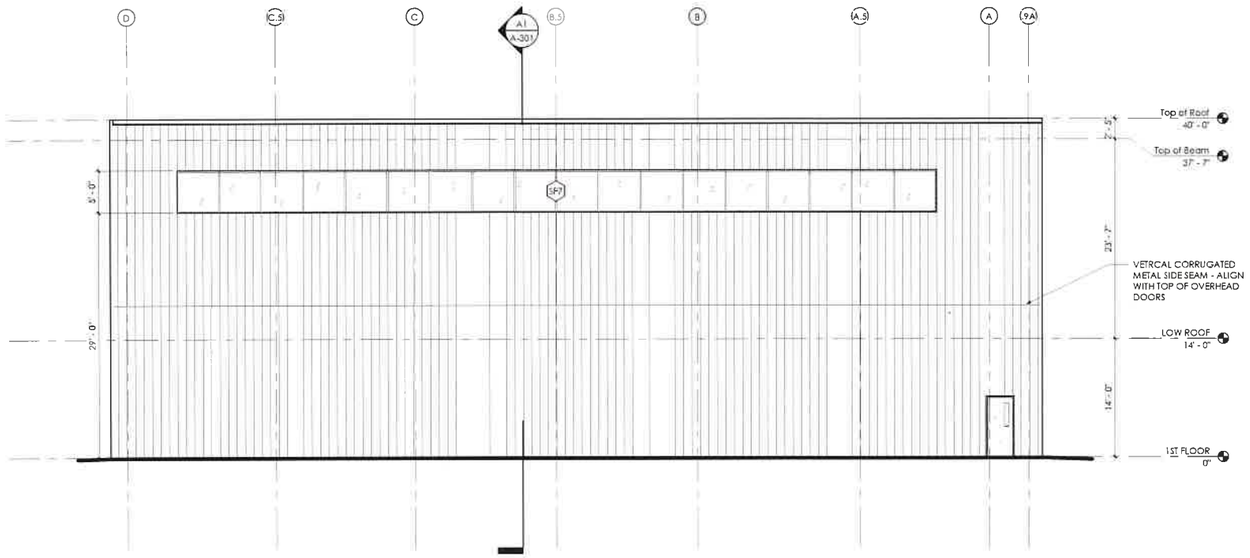
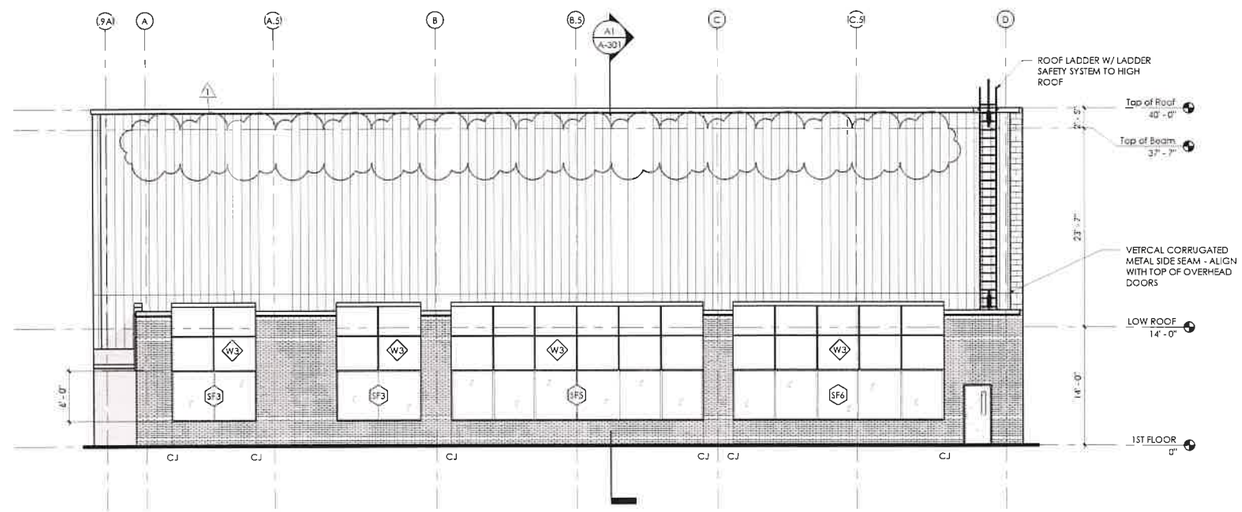


C1 West Elevation
1/8" = 1'-0"



A1 East Elevation
1/8" = 1'-0"

General Notes

A. REFER TO SHEET A-001 FOR GENERAL NOTES AND WALL TYPES.

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Drawing Notes

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ENGINEERS AND SURVEYORS
EST. 1925
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(716) 827-8000 | (716) 826-7858 fax
www.nussclarke.com

ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

EXTERIOR ELEVATIONS

REVISIONS

No	DESCRIPTION	DATE
1	(VE01) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
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CERTIFICATE NO. 027

REGISTERED ARCHITECT
ADAM J. PERRY
STATE OF NEW YORK

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PROJECT NUMBER	22J1-0106
DATE	04/28/2023
DRAWN BY	NES
DESIGNED BY	NES/AJP
CHECKED BY	AJP
APPROVED BY	AJP
SCALE:	AS NOTED
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SHEET No	x OF xx

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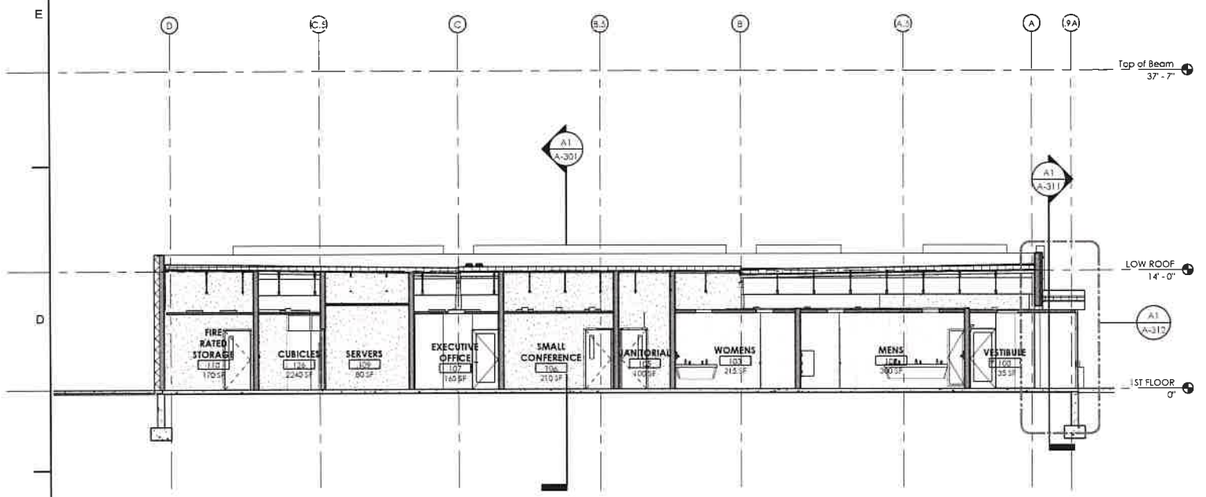
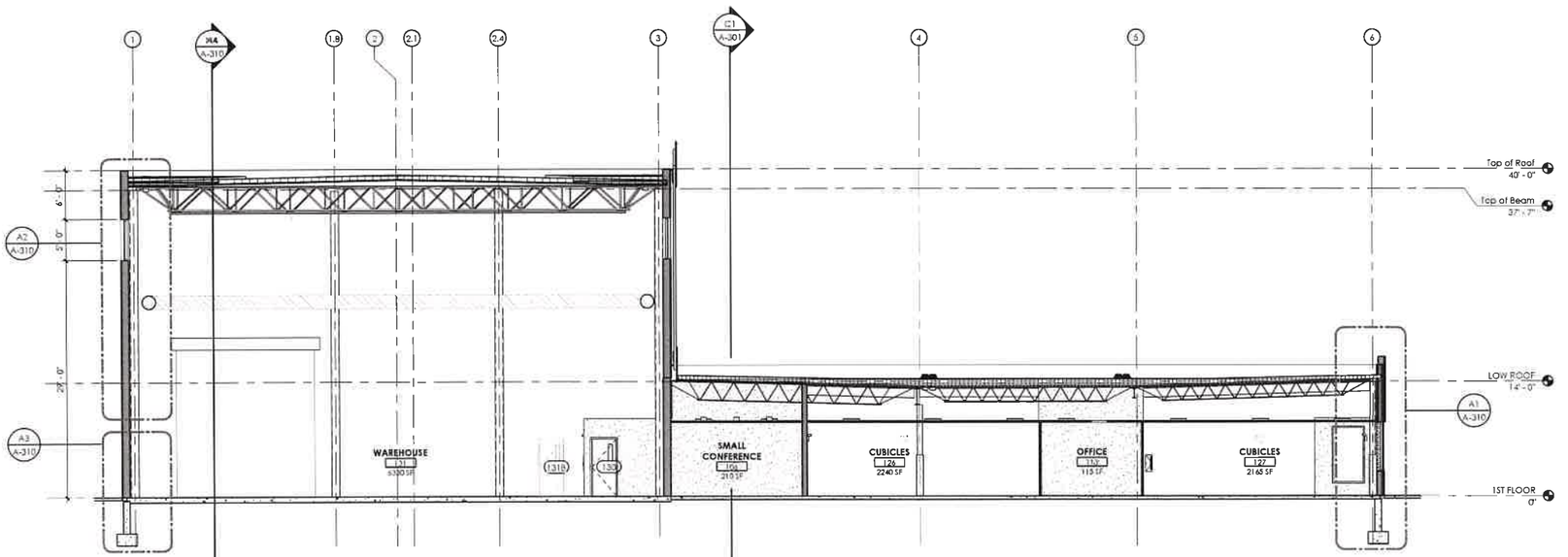


C1 Building Section
1/8" = 1'-0"



A1 Building Section
1/8" = 1'-0"

NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS
EST. 1935
3556 Lake Shore Road, Suite 500 | Buffalo, NY
14219
(716) 827-8000 | (716) 826-7958 fax
www.nussclarke.com

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ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

BUILDING SECTIONS

REVISIONS

No.	DESCRIPTION	DATE
0	BUILD FOR PERMIT	04/28/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO 027

REGISTERED ARCHITECT
ADAM J. PERRINO
033371
STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	04/28/2023
DRAWN BY	NES
DESIGNED BY	NES/AJP
CHECKED BY	AJP
APPROVED BY	AJP
SCALE:	AS NOTED
	= 1 INCH
SHEET No	x OF xx

A-301

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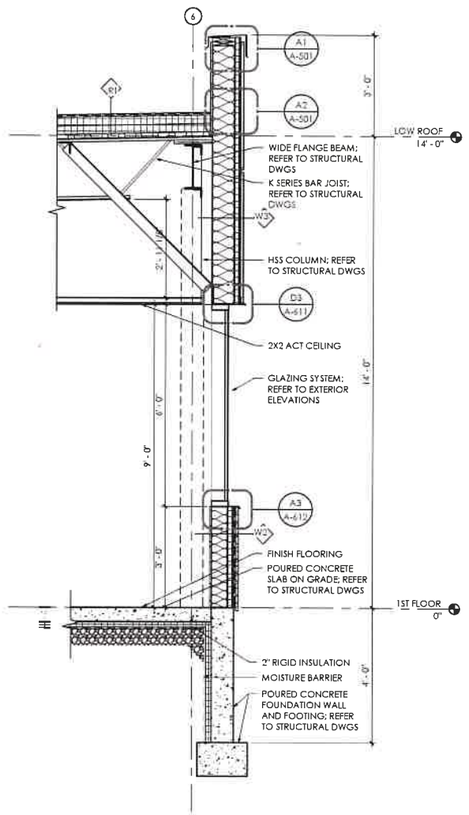
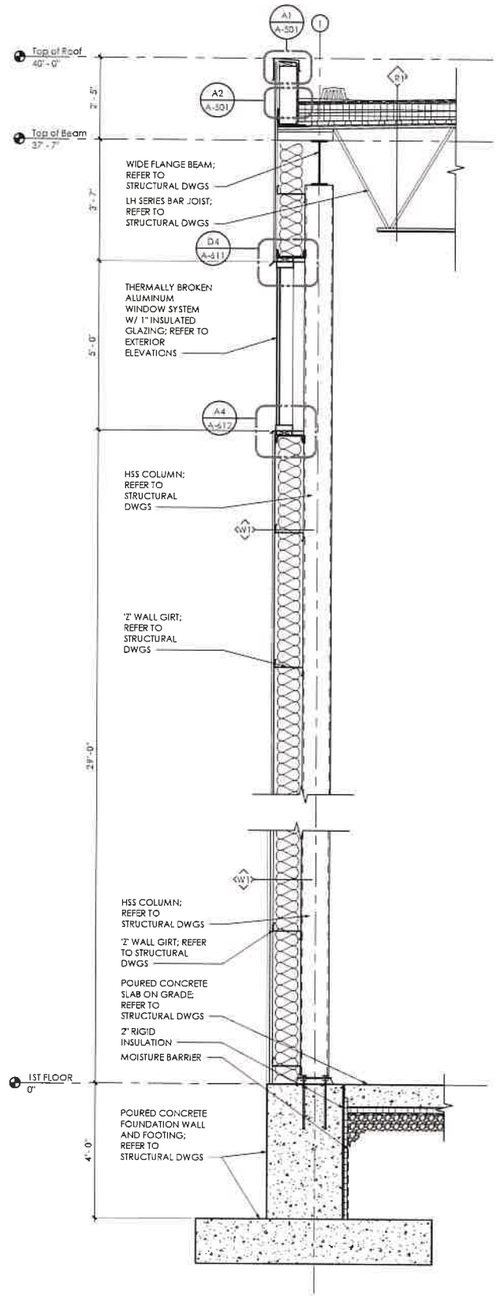
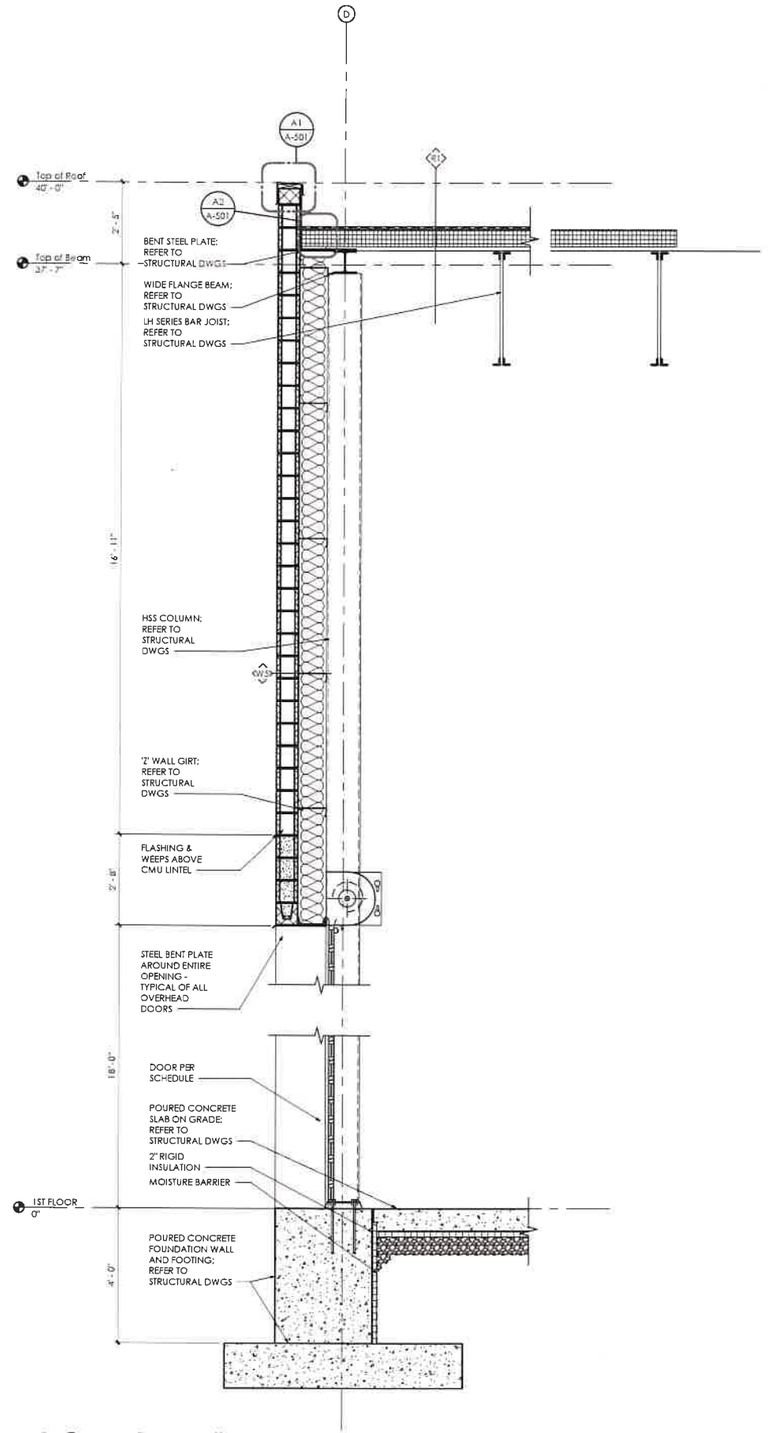


A1 Wall Section
1/2" = 1'-0"



A3 Wall Section
1/2" = 1'-0"



A4 Garage Door Section
1/2" = 1'-0"

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3558 Lake Shore Road, Suite 500 | Buffalo, NY 14219
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www.nuscla.com

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ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

WALL SECTIONS

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	05/04/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

REGISTERED ARCHITECT
ADAM J. PERRY
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STATE OF NEW YORK

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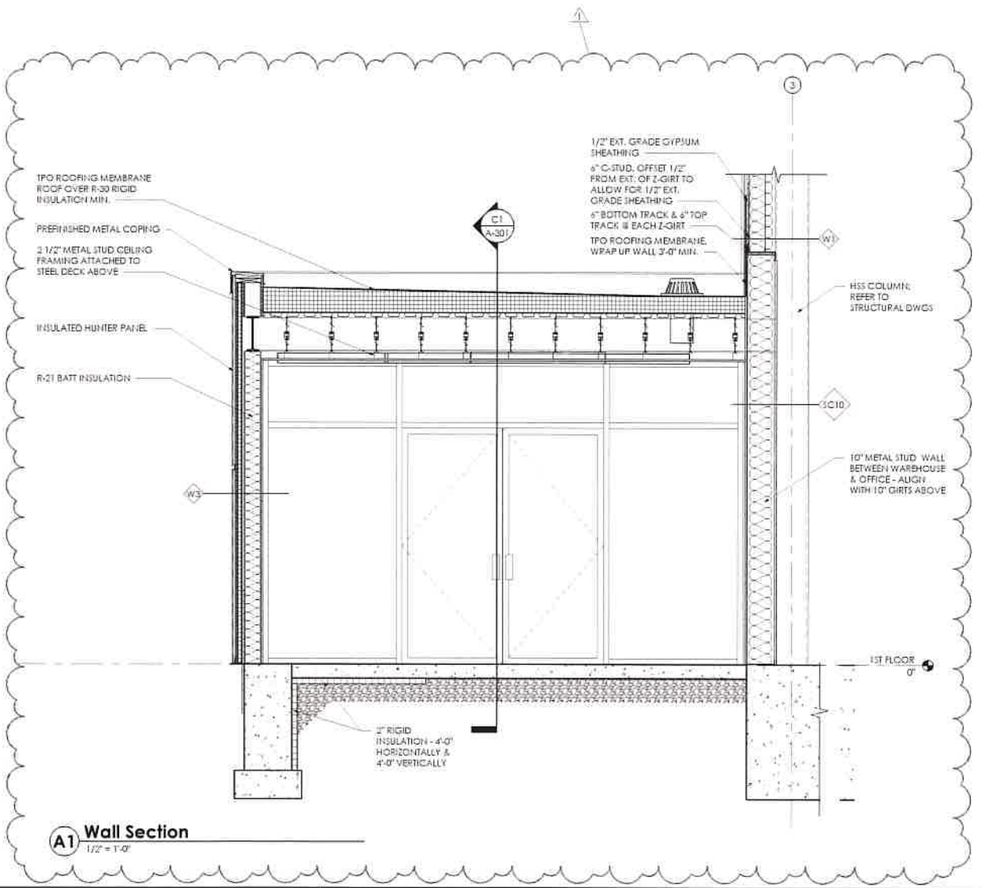
PROJECT NUMBER	22J1-0106
DATE	04/28/2023
DRAWN BY	NES
DESIGNED BY	NES/AJP
CHECKED BY	AJP
APPROVED BY	AJP
SCALE:	AS NOTED
	= 1 INCH
SHEET No	x OF xx

A-310

TEMPLATE D - 24x36 Binder dwg 4/12/2023 TROLLE



A1 **Wall Section**
1/2" = 1'-0"

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EST. 1925
3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 827-8000 | (716) 826-7958 fax
www.nussbaum.com

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ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

WALL SECTIONS

REVISIONS

No	DESCRIPTION	DATE
1	(VE1) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

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033371
STATE OF NEW YORK

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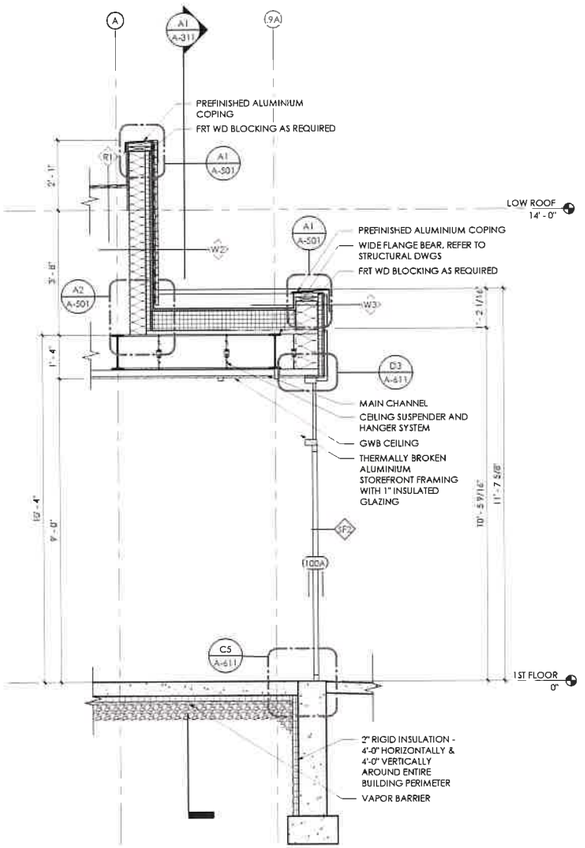
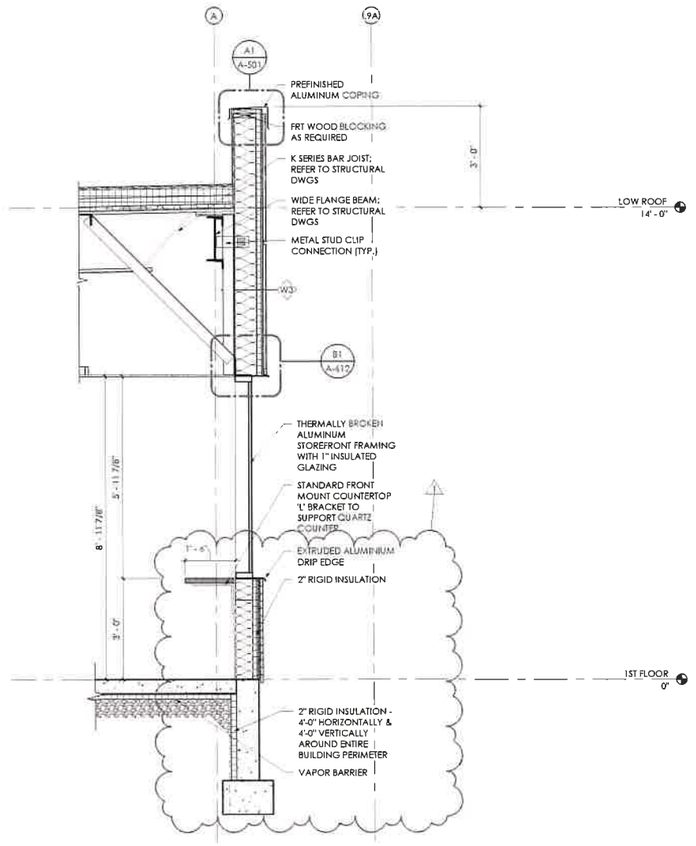
PROJECT NUMBER	22J1-0106
DATE	07/17/23
DRAWN BY	Author
DESIGNED BY	Designer
CHECKED BY	Checker
APPROVED BY	Approver
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

A-311

REVISED ID - 24x36 Bldg Plan 10.10.2023 TB/KLE



A1 Wall Section
1/2" = 1'-0"



A3 Wall Section
1/2" = 1'-0"

NUSSBAUMER & CLARKE, INC.
EST. 1933
ENGINEERS AND SURVEYORS
3556 Lake Shore Road, Suite 500 | Buffalo, NY
14219
(716) 827-9000 | (716) 826-7958 fax
www.nuscarclake.com

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ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

WALL SECTIONS

REVISIONS

No	DESCRIPTION	DATE
1	(VE1) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO 027

REGISTERED ARCHITECT
JAY J. FERRARO
033371
STATE OF NEW YORK

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PROJECT NUMBER	22J1-0106
DATE	07/24/23
DRAWN BY	Author
DESIGNED BY	Designer
CHECKED BY	Checker
APPROVED BY	Approver
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

A-312

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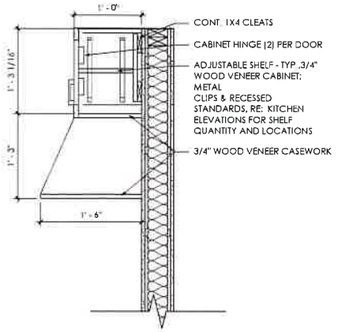
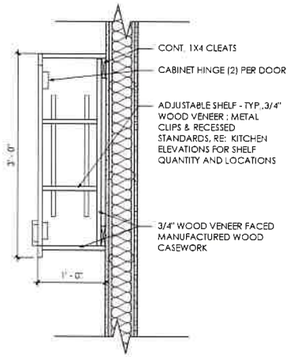
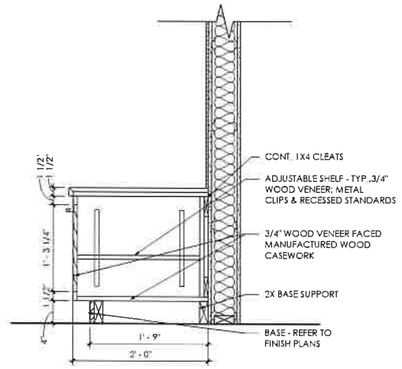


D1 Millwork @ Kitchen Cabinet - Open Shelving
1" = 1'-0"



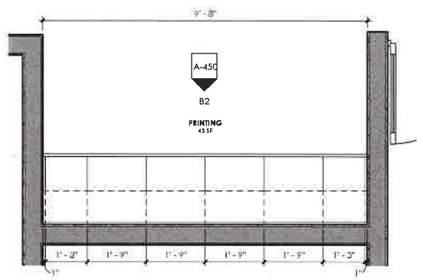
D2 Millwork @ Kitchen Cabinet - Uppers
1" = 1'-0"



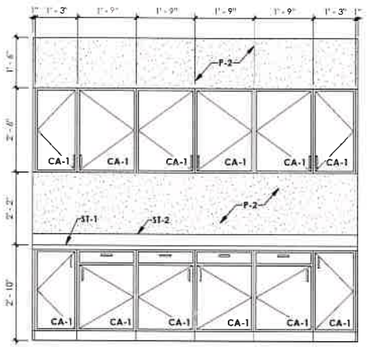
D4 Millwork @ Kitchen Cabinets - Short Cabinet - Door
1" = 1'-0"

Drawing Notes

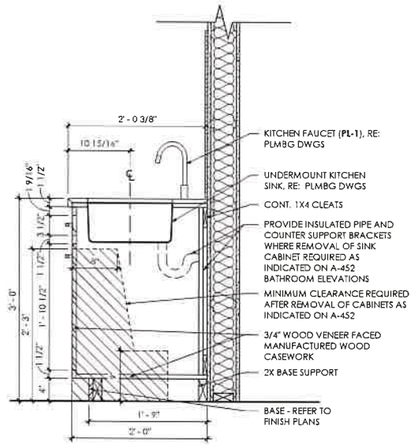
CA-1	CABINET, WHITE OAK VENEER - INSET DOORS/DRAWERS, BLACK MATTE HARDWARE
DW-1	DISHWASHER, BOSCH, 800 SERIES DISHWASHER, MODEL:SHPM98W75N (STAINLESS STEEL)
MW-1	MICROWAVE, PANASONIC, 1000 WATT* COMMERCIAL MICROWAVE OVEN, MODEL:NE-1025
P-2	WALL PAINT, WHITE, SHERWIN WILLIAMS - SNOWBOUND - SW 7004 - EGGSHELL (WALLS), SEMI-GLOSS (MILLWORK/TRIM)
PL-8	BOTTLE FILLER, ELKAY - EZH20 BOTTLE FILLING STATION SURFACE MOUNT, FILTERED, NON-REFRIGERATED - MODEL:LZWSSM
PL-9	SINK, KOHLER - VAULT 25" SINGLE BASIN TOP-MOUNT/UNDER-MOUNT 18-GAUGE STAINLESS STEEL KITCHEN SINK WITH SILENTSHIELD - K-3822-1-NA
PL-11	FAUCET, KOHLER - BELLERA 1.5 GPM SINGLE HOLE PULL-DOWN PRE-RINSE KITCHEN FAUCET, MODEL# K-29106-VS - VIBRANT STAINLESS
REF-1	REFRIGERATOR, TRUE FOOD SERVICE EQUIPMENT, INC., T-SERIES: REACH-IN SOLID SWING DOOR REFRIGERATOR WITH HYDROCARBON REFRIGERANT - MODEL:T-49-HC
REF-2	FREEZER, TRUE FOOD SERVICE EQUIPMENT, INC., UNDERCOUNTER: SOLID SWING DOOR STAINLESS STEEL BACK BAR COOLER WITH HYDROCARBON REFRIGERANT - MODEL:TBB-1-S-HC
ST-1	COUNTERTOP, QUARTZ - CARRARA WHITE
ST-2	COUNTERTOP, 4" BACKSPLASH, QUARTZ - CARRERA WHITE
TL-2	TILE, DALTILE - COHESION - RECTANGLE 12X24 - CO26



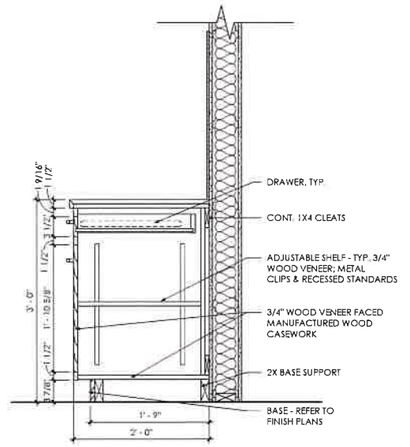
B1 Enlarged Printing Plan
1/2" = 1'-0"



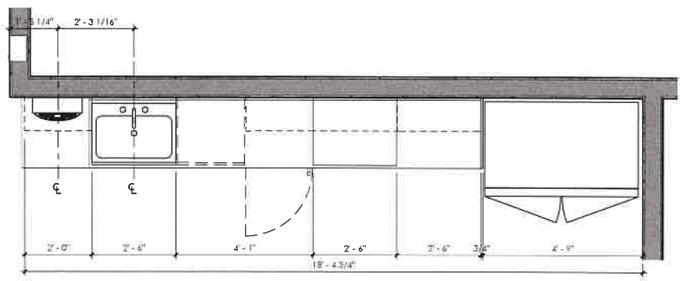
B2 Printing Elevation
1/2" = 1'-0"



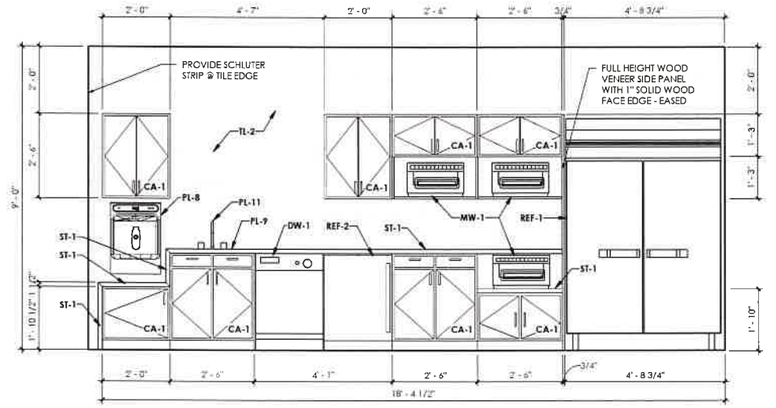
B4 Millwork @ Kitchen Counter - Sink
1" = 1'-0"



B5 Millwork @ Kitchen Cabinets - Door & Drawer
1" = 1'-0"



A1 Enlarged Kitchen Plan
1/2" = 1'-0"



A4 Kitchen Elevation
1/2" = 1'-0"

NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS
EST. 1931
3550 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 827-8000 | (716) 826-7958 fax
www.nussclarke.com

ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

ENLARGED KITCHEN PLAN, INTERIOR ELEVATION & MILLWORK DETAILS

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR REVIEW	10/04/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 037

REGISTERED ARCHITECT
JOHN J. PERRINO
037371
STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	07/19/23
DRAWN BY	Author
DESIGNED BY	Designer
CHECKED BY	Checker
APPROVED BY	Approver
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

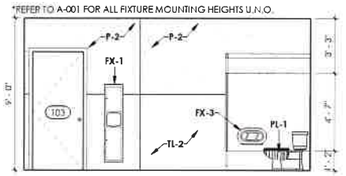
A-450

TS_ARCHITECT - 24x36 Borders.dwg © 2022 TEOTILE

Drawing Notes

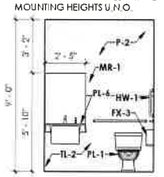
CA-1 CABINET, WHITE OAK VENEER - INSET DOORS/DRAWERS, BLACK MATTE HARDWARE
CA-4 LINEN CABINET, PAINTED LIGHT GRAY
FX-1 PAPER TOWEL DISPENSER
FX-2 ELECTRIC HAND DRYER
FX-3 TOILET PAPER DISPENSE
HW-1 GRAB BAR, DELTA CONTEMPORARY CONCEALED SCREW ADA-COMPLIANT DECORATIVE GRAB BAR - STAINLESS
MR-1 BATHROOM MIRROR, REFER TO ELEVATIONS FOR SIZE
P-2 WALL PAINT, WHITE, SHERWIN WILLIAMS - SNOWBOUND - SW 7004 - EGGSHELL (WALLS), SEMI-GLOSS (MILLWORK/TRIM)
PL-1 TOILET, AMERICAN STANDARD - MADERA - TOP SPUD ELONGATED BOWL & MADERA - CHAIR HEIGHT EVERCLEAN BOWL WITH BEDPAN LUGS FOR ADA (WHITE)
PL-2 URINAL, AMERICAN STANDARD - WASHBROOK WALL HUNG FLOWISE UNIVERSAL URINAL WITH 3/4" TOP SPUD - 6590001.02 (WHITE)
PL-4 BATHROOM SINK, BRADLEY - VERGE COMMERCIAL HAND WASH SINK - LVA SERIES, THREE STATION - SKU:C3066103
PL-5 BATHROOM SINK, BRADLEY - VERGE COMMERCIAL HAND WASH SINK - LVA SERIES, TWO STATION - SKU:C3066102
PL-6 BATHROOM SINK, BRADLEY - VERGE COMMERCIAL HAND WASH SINK - LVA SERIES, ONE STATION - SKU:C3066101
TL-2 TILE, DALTILE - COHESION - RECTANGLE 12X24 - CO26

*REFER TO A-001 FOR ALL FIXTURE MOUNTING HEIGHTS U.N.O.



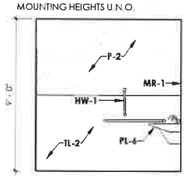
C1 Women's Restroom Elevation
1/4" = 1'-0"

*REFER TO A-001 FOR ALL FIXTURE MOUNTING HEIGHTS U.N.O.



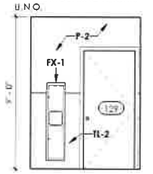
C2 Toilet Room Elevation
1/4" = 1'-0"

*REFER TO A-001 FOR ALL FIXTURE MOUNTING HEIGHTS U.N.O.



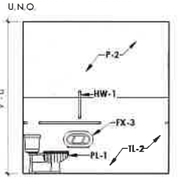
C3 Toilet Room Elevation
1/4" = 1'-0"

*REFER TO A-001 FOR ALL FIXTURE MOUNTING HEIGHTS U.N.O.



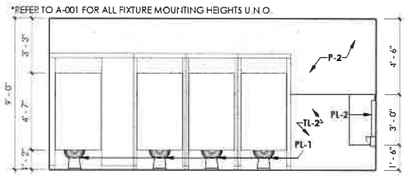
C4 Toilet Room Elevation
1/4" = 1'-0"

*REFER TO A-001 FOR ALL FIXTURE MOUNTING HEIGHTS U.N.O.



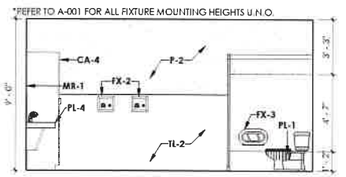
C6 Toilet Room Elevation
1/4" = 1'-0"

*REFER TO A-001 FOR ALL FIXTURE MOUNTING HEIGHTS U.N.O.



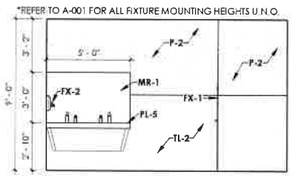
B1 Men's Restroom Elevation
1/4" = 1'-0"

*REFER TO A-001 FOR ALL FIXTURE MOUNTING HEIGHTS U.N.O.



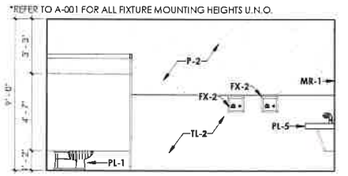
B2 Men's Restroom Elevation
1/4" = 1'-0"

*REFER TO A-001 FOR ALL FIXTURE MOUNTING HEIGHTS U.N.O.



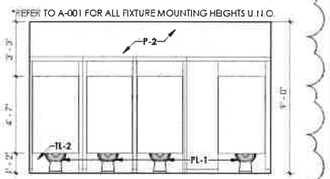
B3 Women's Restroom Elevation
1/4" = 1'-0"

*REFER TO A-001 FOR ALL FIXTURE MOUNTING HEIGHTS U.N.O.

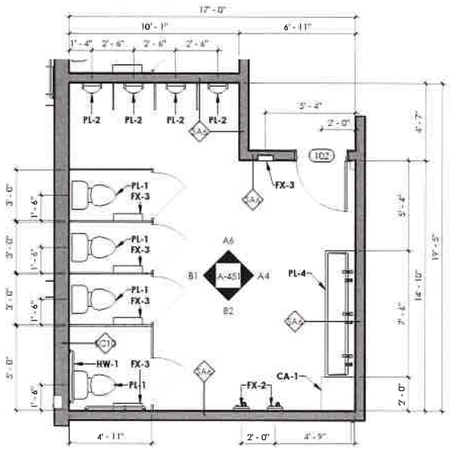


B4 Women's Restroom Elevation
1/4" = 1'-0"

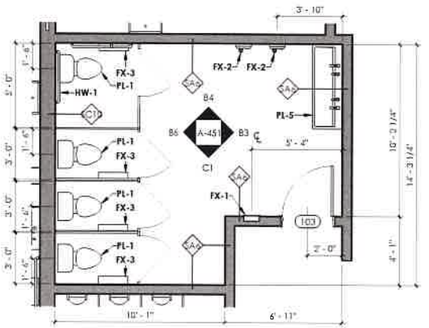
*REFER TO A-001 FOR ALL FIXTURE MOUNTING HEIGHTS U.N.O.



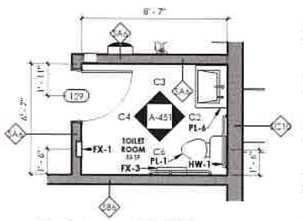
B6 Women's Restroom Elevation
1/4" = 1'-0"



A1 Enlarged Men's Bathroom Plan
1/4" = 1'-0"

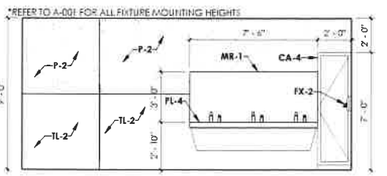


A2 Enlarged Women's Bathroom Plan
1/4" = 1'-0"



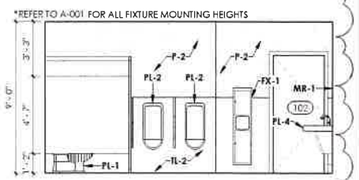
A3 Enlarged Toilet Room Plan
1/4" = 1'-0"

*REFER TO A-001 FOR ALL FIXTURE MOUNTING HEIGHTS



A4 Men's Restroom Elevation
1/4" = 1'-0"

*REFER TO A-001 FOR ALL FIXTURE MOUNTING HEIGHTS



A6 Men's Restroom Elevation
1/4" = 1'-0"

NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS
EST. 1939
2556 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 827-8000 | (716) 826-7958 fax
www.nuscpclarke.com

ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

ENLARGED BATHROOM PLANS & INTERIOR ELEVATIONS

REVISIONS

No	DESCRIPTION	DATE
1	(VE1) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 1127

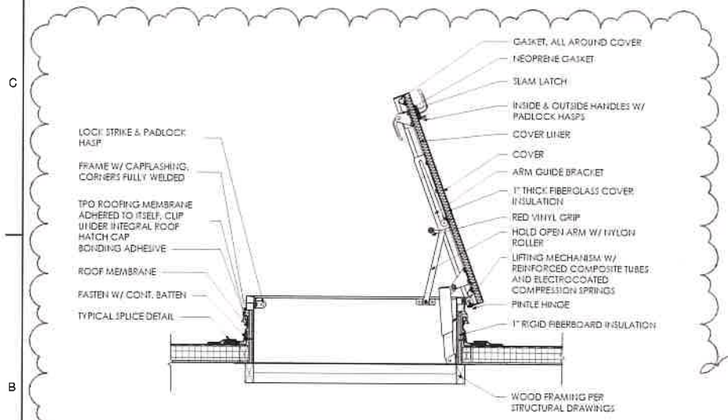
REGISTERED ARCHITECT
NEIL J. PERRONE
033371
STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

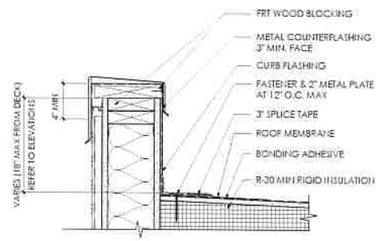
PROJECT NUMBER	22J1-0108
DATE	04/28/2023
DRAWN BY	NES
DESIGNED BY	NES/AJP
CHECKED BY	NES
APPROVED BY	NES
SCALE:	AS NOTED
	= 1 INCH
SHEET No	x OF xx

A-451

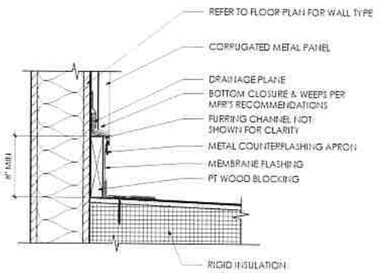
10:48:30 PM - 24/06 Blender.dwg 4/12/2023 TRUE VALUE



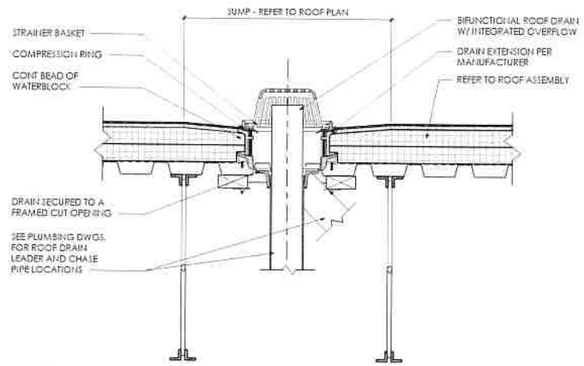
B1 Roof Hatch Detail
1" = 1'-0"



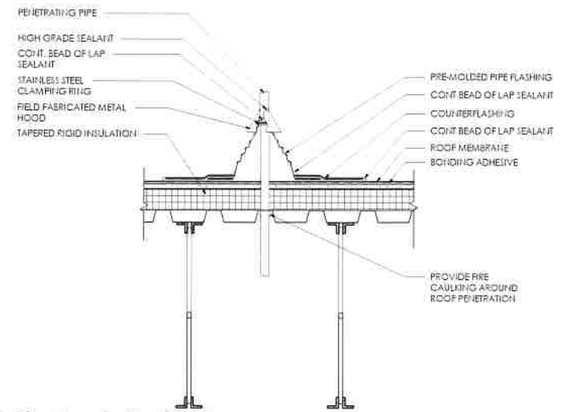
A1 Parapet Detail
1 1/2" = 1'-0"



A2 Base Flashing Detail
1 1/2" = 1'-0"



A3 Roof Drain Detail
1 1/2" = 1'-0"



A5 Pipe Penetration Detail
1 1/2" = 1'-0"

NUSSBAUMER & CLARKE, INC.
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EST. 1935
3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 827-6000 | (716) 826-7958 fax
www.nuscorke.com

ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

ROOF DETAILS

REVISIONS

No	DESCRIPTION	DATE
1	(VE1) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

REGISTERED ARCHITECT JOHN J. FERRARO 033371 STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	04/28/2023
DRAWN BY	NES
DESIGNED BY	NES/AJP
CHECKED BY	AJP
APPROVED BY	AJP
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx
	A-501

PLOTTED ID: 24x36 Bordar.dwg 4/12/2023 TBD TILE

Door Schedule

Mark	Description	Door Width	Door Height	Door Thickness	Door Type	Door Material	Frame Type	Frame Material	Frame Head Detail	Frame Jamb Detail	Fire Rating (Mins)	Hardware	Comments
100A		6' - 0"	7' - 0"		FG	AL/GL	-	AL	D2/A611		-	MANUF.	EXTERIOR STOREFRONT
100B		3' - 0"	7' - 0"		FG	GL	-	-	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
100C		3' - 0"	7' - 0"	1 3/4"	FV	HM	F1	HM	A6/A600	A5/A600	30 MIN	H1	
102		3' - 0"	7' - 0"	1 3/8"	F	WD	F1	HM	A6/A600	A5/A600		H2	
103		3' - 0"	7' - 0"	1 3/8"	F	WD	F1	HM	A6/A600	A5/A600		H2	
104A		3' - 0"	7' - 0"	1 3/4"	F	WD	F1	HM	A6/A600	A5/A600	-	H3	
104B		3' - 0"	7' - 0"	1 3/4"	F	WD	F1	HM	A6/A600	A5/A600	-	H3	
105		3' - 0"	7' - 0"	1 3/4"	F	WD	F1	HM	A6/A600	A5/A600	-	H3	
106		3' - 0"	7' - 0"	1 3/4"	F	WD	F1	HM	A6/A600	A5/A600	-	H3	
107		3' - 0"	7' - 0"		FG	WD	-	-	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
108		3' - 0"	7' - 0"	1 3/4"	F	WD	F1	HM	A6/A600	A5/A600	-	H3	
109		3' - 0"	7' - 0"	1 3/4"	F	WD	F1	HM	A6/A600	A5/A600	90 MIN	H3	
110		3' - 0"	7' - 0"	1 3/4"	F	HM	F1	HM	A6/A600	A5/A600	90 MIN	H4	
111		3' - 0"	7' - 0"	1 3/4"	F	WD	F1	HM	A6/A600	A5/A600	-	H3	
112		3' - 0"	7' - 0"		FG	WD	-	AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
113		3' - 0"	7' - 0"		FG	WD	-	AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
114		3' - 0"	7' - 0"		FG	WD	-	AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
115		3' - 0"	7' - 0"		FG	WD	-	AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
116		3' - 0"	7' - 0"		FG	WD	-	AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
117		3' - 0"	7' - 0"		FG	WD	-	AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
118		3' - 0"	7' - 0"		FG	WD		AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
119		3' - 0"	7' - 0"		FG	WD	-	AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
120		3' - 0"	7' - 0"	1 3/4"	FG	WD	F1	HM	A6/A600	A5/A600	-	H3	
121		3' - 0"	7' - 0"		FG	WD	-	AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
122		3' - 0"	7' - 0"		FG	WD	-	AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
123		3' - 0"	7' - 0"		FG	WD	-	AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
124		3' - 0"	7' - 0"		FG	WD	-	AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
125		3' - 0"	7' - 0"		FG	WD	-	AL	C1/A612	B5,C3/A612	-	MANUF.	STOREFRONT
126A		6' - 0"	7' - 0"	1 3/4"	FV	HM	F2	HM	A6/A600	A5/A600	30 MIN	H5	
126B		3' - 0"	7' - 0"	1 3/4"	F	HM	F1	HM	A6/A600	A5/A600	90 MIN	H6	
127A		3' - 0"	7' - 0"	1 3/4"	F	HM	F1	HM	A6/A600	A5/A600	-	H6	
127B		3' - 0"	7' - 0"	1 3/4"	F	HM	F1	HM	A6/A600	A5/A600	-	H6	
128		3' - 0"	7' - 0"	1 3/4"	FV	HM	F1	HM	A6/A600	A5/A600	-	H3	
129		3' - 0"	7' - 0"	1 3/8"	F	HM	F1	HM	A6/A600	A5/A600	-	H2	
130		3' - 0"	7' - 0"	1 3/4"	FV	HM	F1	HM	A6/A600	A5/A600	-	H3	
131A		3' - 0"	7' - 0"	1 3/4"	F	HM	F1	HM	A6/A600	A5/A600	-	H6	
131B		3' - 0"	7' - 0"	1 3/4"	F	HM	F1	HM	A6/A600	A5/A600	90 MIN	H6	
O-1		17' - 0"	18' - 0"	3"	OH	AL					90 MIN	MANUF.	COILING OVERHEAD DOOR
O-2		17' - 0"	18' - 0"	1 3/4"	OH	AL						MANUF.	OVERHEAD
O-3		8' - 0"	10' - 0"	1 1/2"	OH	AL						MANUF.	LOADING DOCK

DOOR HARDWARE

GROUP	QTY	ITEM	ITEM NUMBER	FINISH	MANUFACTURER	GROUP QTY
ACCESS CONTROLLED INTERIOR RIM PANIC	3	BALL BEARING HINGE	BB31 4.5" X 4.5" NRP	US26D	CAL-ROYAL	1
	1	FIRE RATED RIM PANIC DEVICE	F9800EO36	US32D	CAL-ROYAL	
	1	STOREROOM ESCUTCHEON LEVER TRIM	NESC9805	US26D	CAL-ROYAL	PREP
	1	MASTER KEYING	ALL TO 1 MASTER		CAL-ROYAL	
	1	SURFACE MOUNTED DOOR CLOSER	CR441	ALUM	CAL-ROYAL	
	1	KICK PLATE	BKICK1034	US32D	CAL-ROYAL	
	1	DRIP CAP	CR4462	ALUM	CAL-ROYAL	
	1	JAMB UP WEATHER STRIP	607A17'	BLK	REESE	
	1	DOOR SWEEP	323C36"	ALUM	REESE	
	1	ADA COMPLIANT THRESHOLD	171CN36"	ALUM	PEMKO	
	1	ELECTRONIC STRIKE	9400 SERIES	US26D	HESS	
		ALL POWER, WIRING AND CONTROL BY ACCESS CONTROL CONTRACTOR				

GROUP	QTY	ITEM	ITEM NUMBER	FINISH	MANUFACTURER	GROUP QTY
REST ROOM	3	BALL BEARING HINGE	BB31 4.5" X 4.5"	US26D	CAL-ROYAL	3
	1	PRIVACY LEVER LOCKSET	GENESYS CGN00	US26D	CAL-ROYAL	
	1	SURFACE MOUNTED DOOR CLOSER	N900-PBF	ALUM	CAL-ROYAL	PREP
	1	DOOR GASKET	797B17'	BLK	REESE	
	1	WALL MOUNTED DOOR BUMPER	WB26	US26D	CAL-ROYAL	

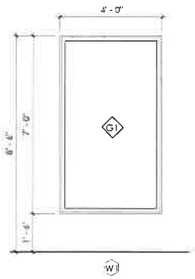
GROUP	QTY	ITEM	ITEM NUMBER	FINISH	MANUFACTURER	GROUP QTY
OFFICE/ CONFERENCE/ MISC.	3	BALL BEARING HINGE	BB31 4.5" X 4.5"	US26D	CAL-ROYAL	10
	1	OFFICE/ENTRY LEVER LOCKSET	GENESYS CGN00	US26D	CAL-ROYAL	
	1	MASTER KEYING	ALL TO 1 MASTER		CAL-ROYAL	PREP
	1	WALL MOUNTED DOOR BUMPER	WB26	US26D	CAL-ROYAL	
	1	SILENCER	DSM21	GREY	CAL-ROYAL	
	1	WALL MOUNTED DOOR BUMPER	WB26	US26D	CAL-ROYAL	

GROUP	QTY	ITEM	ITEM NUMBER	FINISH	MANUFACTURER	GROUP QTY
RATED STORAGE	3	BALL BEARING HINGE	BB31 4.5" X 4.5"	US26D	CAL-ROYAL	1
	1	OFFICE/ENTRY LEVER LOCKSET	GENESYS CGN00	US26D	CAL-ROYAL	
	1	MASTER KEYING	ALL TO 1 MASTER		CAL-ROYAL	PREP
	1	SURFACE MOUNTED DOOR CLOSER	N900-PBF	ALUM	CAL-ROYAL	
	1	DOOR GASKET	797B17'	BLK	REESE	
	1	WALL MOUNTED DOOR BUMPER	WB26	US26D	CAL-ROYAL	

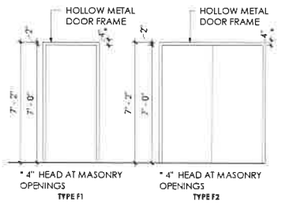
GROUP	QTY	ITEM	ITEM NUMBER	FINISH	MANUFACTURER	GROUP QTY
RATED DOUBLE PASSAGE	6	BALL BEARING HINGE	BB31 4.5" X 4.5"	US26D	CAL-ROYAL	1
	1	STOREROOM LEVER LOCKSET	GENESYS CGN05	US26D	CAL-ROYAL	
	1	MASTER KEYING	ALL TO 1 MASTER		CAL-ROYAL	PREP
	1	MANUAL FLUSH BOLT	MF6341	US26D	CAL-ROYAL	
	1	DOOR GASKET	797B21'	BLK	REESE	
	2	WALL MOUNTED DOOR BUMPER	WB26	US26D	CAL-ROYAL	

GROUP	QTY	ITEM	ITEM NUMBER	FINISH	MANUFACTURER	GROUP QTY
ACCESS CONTROLLED EXTERIOR RIM PANIC	3	BALL BEARING HINGE	BB31 4.5" X 4.5" NRP	US26D	CAL-ROYAL	4
	1	FIRE RATED RIM PANIC DEVICE	F9800EO36	US32D	CAL-ROYAL	
	1	STOREROOM ESCUTCHEON LEVER TRIM	NESC9805	US26D	CAL-ROYAL	PREP
	1	MASTER KEYING	ALL TO 1 MASTER		CAL-ROYAL	
	1	SURFACE MOUNTED DOOR CLOSER	N900-PBF	ALUM	CAL-ROYAL	
	1	KICK PLATE	BKICK1034	US32D	CAL-ROYAL	
	1	DOOR GASKET	797B17'	BLK	REESE	
	1	DOOR SWEEP	323C36"	ALUM	REESE	
	1	ADA COMPLIANT THRESHOLD	171CN36"	ALUM	PEMKO	
	1	WALL MOUNTED DOOR BUMPER	WB26	US26D	CAL-ROYAL	
	1	ELECTRONIC STRIKE	9400 SERIES	US26D	HESS	
		ALL POWER, WIRING AND CONTROL BY ACCESS CONTROL CONTRACTOR				

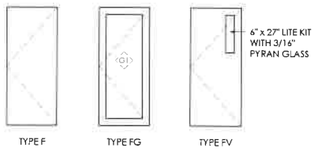
GENERAL NOTES:
- COMPLETE DOOR ASSEMBLY TO MEET ALL SMOKE & DRAFT REQUIREMENTS IAW UL 1784 AND IBC 716.2.14
- COMPLETE DOOR ASSEMBLY TO MEET ALL FIRE DOOR ASSEMBLY REQUIREMENTS IAW IBC 716.2.15 AND NFPA 80-CHAPTER 6



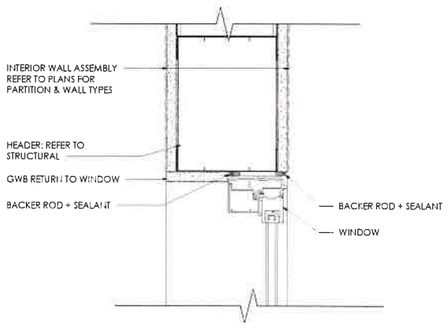
Window Schedule



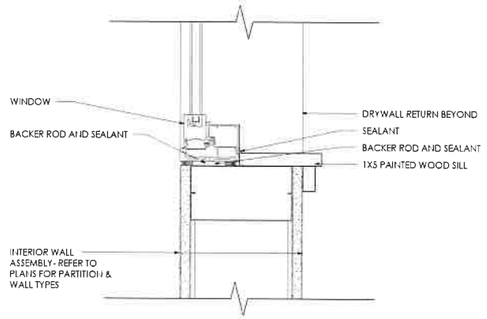
Door Frame Types



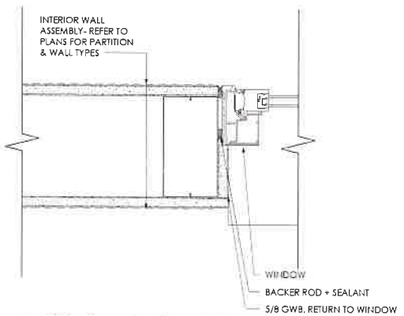
Door Types



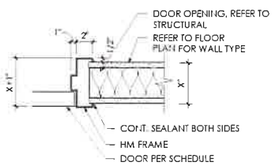
A1 Window Head Detail
3" = 1'-0"



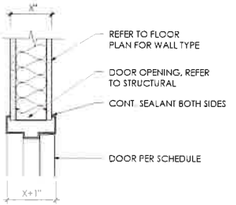
A2 Window Sill Detail
3" = 1'-0"



A3 Window Jamb Detail
3" = 1'-0"



A5 HM Jamb Detail
1 1/2" = 1'-0"



A6 HM Head Detail
1 1/2" = 1'-0"

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ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

DOOR SCHEDULE, TYPES & DETAILS

REVISIONS

No	DESCRIPTION	DATE
1	(VE1) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO 027

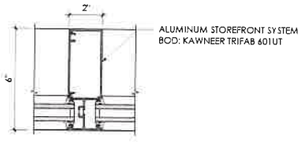
REGISTERED ARCHITECT
ADAM J. PERSICO
033371
STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

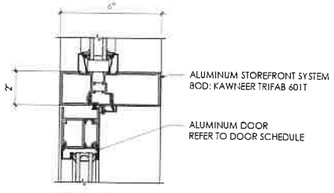
PROJECT NUMBER	22J1-0106
DATE	04/28/2023
DRAWN BY	NES
DESIGNED BY	NES/AJP
CHECKED BY	AJP
APPROVED BY	AJP
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

A-600

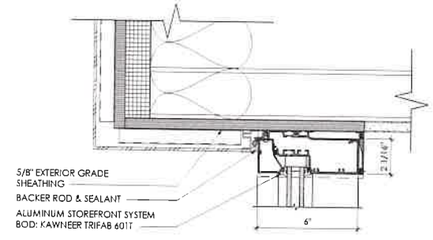
N:\ARCH\22J1-2406 Bender Ave\ 4/21/2023 TEQUILE



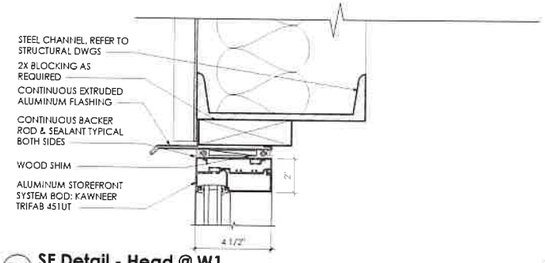
D1 SF Mullion Detail
3" = 1'-0"



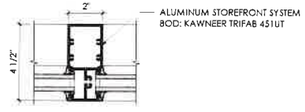
D2 SF Detail - Head @ Door
3" = 1'-0"



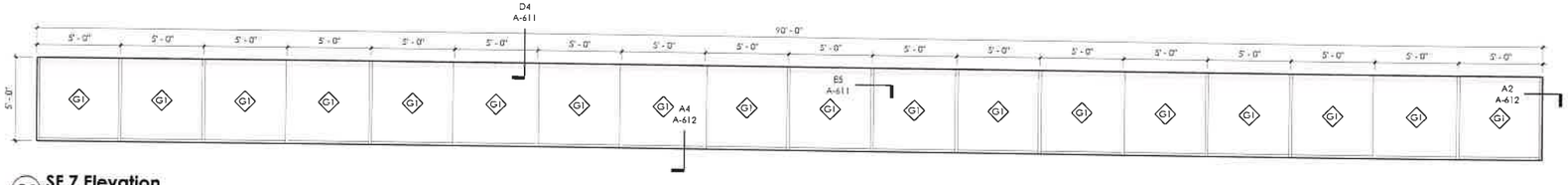
D3 SF Detail - Head @ Entry
3" = 1'-0"



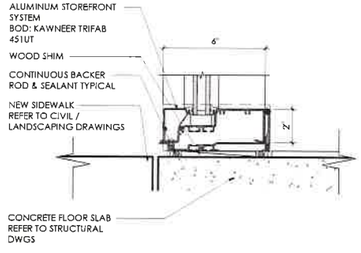
D4 SF Detail - Head @ W1
3" = 1'-0"



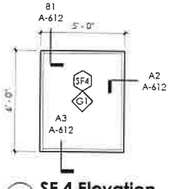
E5 Storefront Mullion Detail
3" = 1'-0"



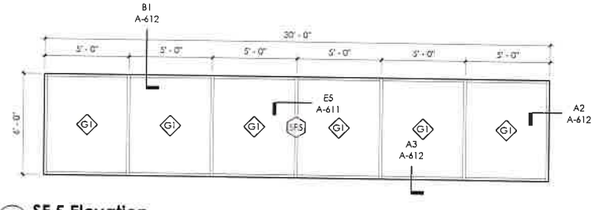
C1 SF 7 Elevation
1/4" = 1'-0"



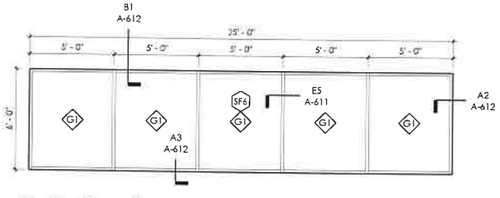
C5 SF Detail - Sill @ Sidewalk
3" = 1'-0"



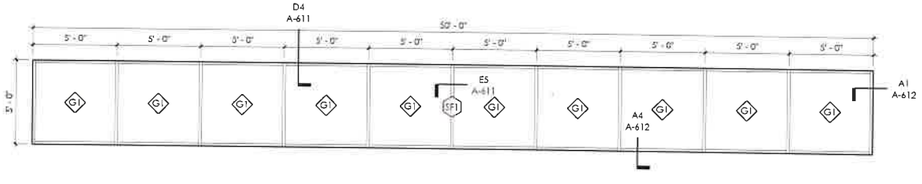
B1 SF 4 Elevation
1/4" = 1'-0"



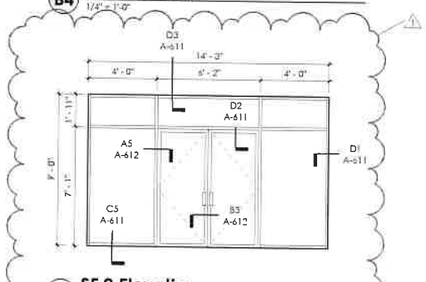
B3 SF 5 Elevation
1/4" = 1'-0"



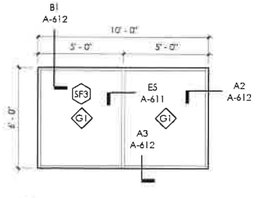
B4 SF 6 Elevation
1/4" = 1'-0"



A1 SF 1 Elevation
1/4" = 1'-0"



A4 SF 2 Elevation
1/4" = 1'-0"



A5 SF 3 Elevation
1/4" = 1'-0"

NUSSBAUMER & CLARKE, INC.
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ELEV8
ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

EXTERIOR STOREFRONT ELEVATIONS & DETAILS

REVISIONS

No.	DESCRIPTION	DATE
1	(VE1) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THIS STATE OF NEW YORK
CERTIFICATE NO. 027

REGISTERED ARCHITECT
JOHN J. FERRARO
033371
STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	07/26/2023
DRAWN BY	NES
DESIGNED BY	NES/AJP
CHECKED BY	AJP
APPROVED BY	AJP
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

A-611

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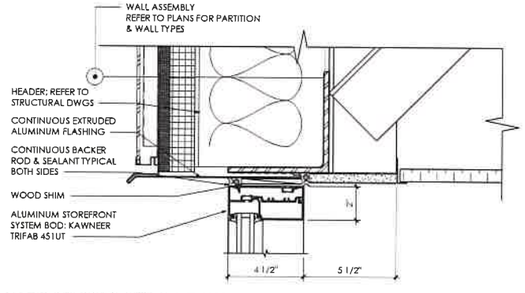
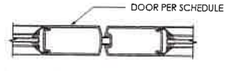
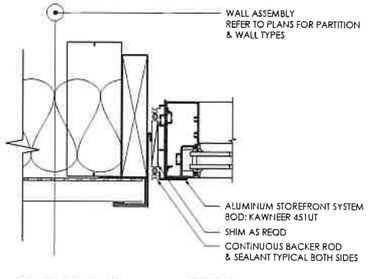


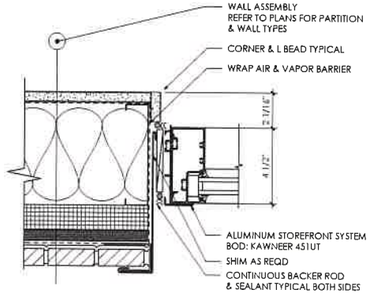
B1 SF Detail - Head @ W3
3" = 1'-0"



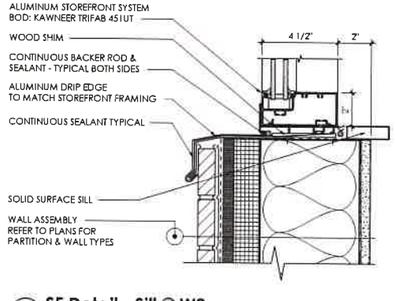
B3 SF Detail - Meeting Stile @ Door
3" = 1'-0"



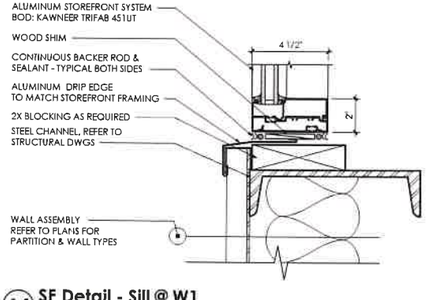
A1 SF Detail - Jamb @ W1
3" = 1'-0"



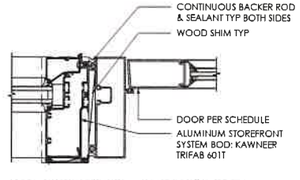
A2 SF Detail - Jamb @ W2
3" = 1'-0"



A3 SF Detail - Sill @ W2
3" = 1'-0"



A4 SF Detail - Sill @ W1
3" = 1'-0"



A5 SF Detail - Jamb @ Door
3" = 1'-0"

NUSSBAUMER & CLARKE, INC.
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14219
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www.nussbaumer.com

ELEV8
ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

EXTERIOR STOREFRONT DETAILS

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE
PROFESSIONAL ENGINEERING & LAND SURVEYING
IN THE STATE OF NEW YORK
CERTIFICATE NO 027

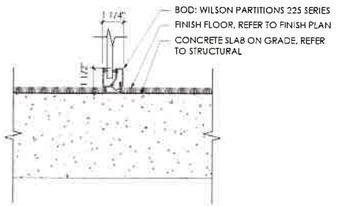
REGISTERED ARCHITECT
BRIAN J. PERRIER
083371
STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

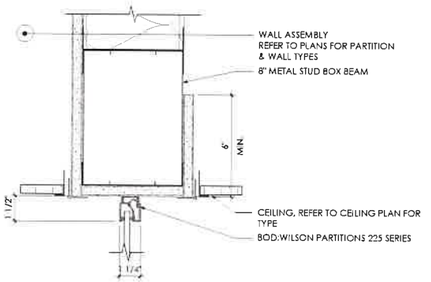
PROJECT NUMBER	22J1-0106
DATE	07/25/23
DRAWN BY	Author
DESIGNED BY	Designer
CHECKED BY	Checker
APPROVED BY	Approver
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

A-612

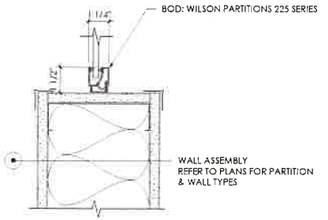
H:\PROJ\ID - 24x36 Borderless v1.0\2023 TBD.FILE



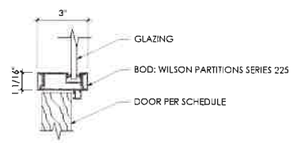
D1 Interior SF Detail - Sill
3" = 1'-0"



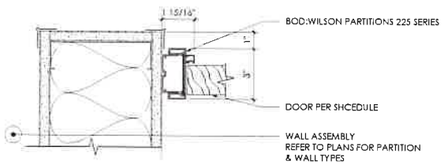
D3 Interior SF Detail - Head
3" = 1'-0"



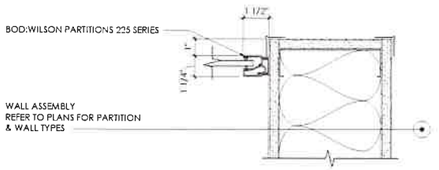
D5 Interior SF Detail - Sill @ Wall
3" = 1'-0"



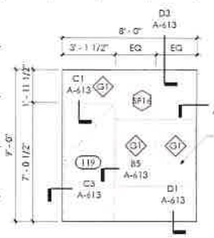
C1 Interior SF Detail - Door Head @ Glazing
3" = 1'-0"



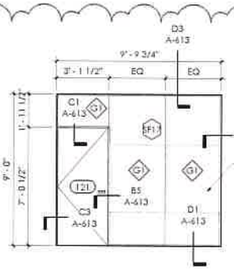
C3 Interior SF Detail - Door Jamb @ Wall
3" = 1'-0"



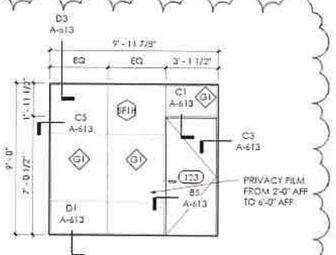
C5 Interior SF Detail - Jamb
3" = 1'-0"



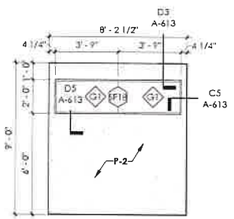
B1 SF 16 Elevation
1/4" = 1'-0"



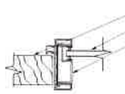
B2 SF 16 Elevation
1/4" = 1'-0"



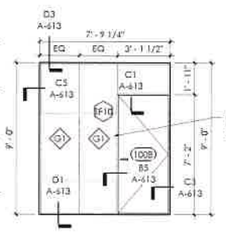
B3 SF 17 Elevation
1/4" = 1'-0"



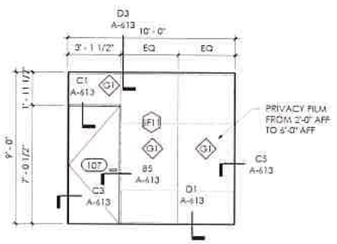
B4 SF 18 Elevation
1/4" = 1'-0"



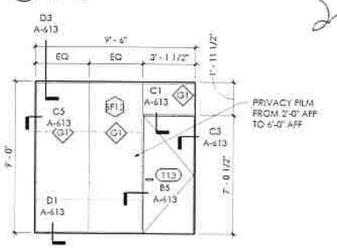
B5 Interior SF Detail - Door Jamb @ Glazing
3" = 1'-0"



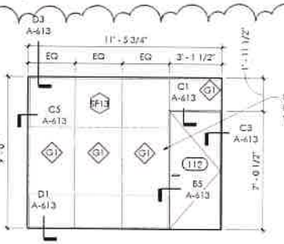
A1 SF 10 Elevation
1/4" = 1'-0"



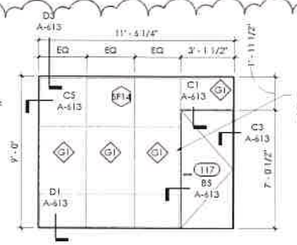
A2 SF 11 Elevation
1/4" = 1'-0"



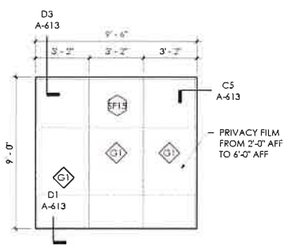
A3 SF 12 Elevation
1/4" = 1'-0"



A4 SF 13 Elevation
1/4" = 1'-0"



A5 SF 14 Elevation
1/4" = 1'-0"



A6 SF 15 Elevation
1/4" = 1'-0"

NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS
EST. 1933
3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 827-8000 | (716) 826-7958 fax
www.nussclarke.com

ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

INTERIOR STOREFRONT ELEVATIONS & DETAILS

REVISIONS

No.	DESCRIPTION	DATE
1	(SEI) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

REGISTERED ARCHITECT
DREW J. PERRINO
083571
STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	04/28/2023
DRAWN BY	NES
DESIGNED BY	NES/AJP
CHECKED BY	AJP
APPROVED BY	AJP
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

A-613

PLOTTED: 24x36 Bender Aug 4 10:20:03 TBD/LE

Drawing Notes

DS-1 BLACK ALUMINIUM DIMENSIONAL LETTER SIGNAGE, BLUE HALO BACKLIGHT

Finish Symbol Legend

- XXX — FLOOR FINISH
- XXX / XXX — FLOOR FINISH / WALL BASE
- XXX — GENERAL WALL FINISH
- XXX — WALL FINISH TO EXTERITS

Finish Plan Legend

- CARPET TILE (CPT1)
- LUXURY VINYL TILE (LVT-1)

Finish Schedule Legend

FLOORING:

TL-1
MANUFACTURER: DALTILE
STYLE: COHESION 24" X 24" X 3/8"
COLOR: TP4SR
PATTERN: NONE
NOTES: CORE SQUARE
-FINAL COLOR SELECTION TBD BY OWNER

TL-2
MANUFACTURER: DALTILE
STYLE: COHESION 12" X 24" X 3/8"
COLOR: TP4S
PATTERN: NONE
NOTES: CORE RECTANGE
-FINAL COLOR SELECTION TBD BY OWNER

CT-1
MANUFACTURER: INTERFACE
STYLE: AGLOW
COLOR: 107250 IRON AZURE
PATTERN: NONE
NOTES: FINAL COLOR SELECTION TBD BY OWNER

CF-1
EXPOSED CONCRETE FLOOR WITH SEALER

BASE:

B-1
MANUFACTURER: TARKETT
STYLE:MANDALAY
COLOR: BEDROCK
NOTES: FINAL COLOR SELECTION TBD BY OWNER

WALLS:

P-2
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SNOWBOUND
FINISH: EGGSHELL (WALLS), SEMI-GLOSS (DOORS/TRIM)
NOTES: FINAL COLOR SELECTION TBD BY OWNER

P-3 (AS NOTED)
MANUFACTURER: SHERWIN WILLIAMS
COLOR: AGREEABLE GREY
FINISH: EGGSHELL (WALLS), SEMI-GLOSS (DOORS/TRIM)
NOTES: FINAL COLOR SELECTION TBD BY OWNER

CEILING:

P-1
MANUFACTURER: REFER TO SPEC SECTION 099113
COLOR: TO MATCH METAL SIDING
FINISH: TO BE SELECTED DURING SUBMITTAL PHASE
NOTES:

A1 **First Floor Finish Plan**
1/8" = 1'-0"

NUSSBAUMER & CLARKE, INC.
EST. 1939
ENGINEERS AND SURVEYORS
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(716) 827-8000 | (716) 826-7958 fax
www.nussbaumclarke.com

ELEV8 ARCHITECTURE

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

FINISH PLAN

REVISIONS

No.	DESCRIPTION	DATE
1	(VE1) VALUE ENGINEERING 1	01.29.2024

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO 027

REGISTERED ARCHITECT
AJP FRANKS
033371
STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	04/28/2023
DRAWN BY	NES
DESIGNED BY	NES/AJP
CHECKED BY	AJP
APPROVED BY	AJP
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	x OF xx

A-800

PLOTTED - 24x36 Binder dwg 4/12/2023 1:00:11 E

STRUCTURAL NOTES

GENERAL

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO PREPARATION OF SHOP DRAWINGS.
2. ALL WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE BUILDING CODE OF NEW YORK STATE, THE AISC CODE, THE ACI BUILDING CODE (ACI 318), THE AMERICAN WELDING SOCIETY CODE (AWS) AND ALL OTHER APPLICABLE STANDARDS. IN CASES OF CONFLICT, THE MOST STRINGENT SHALL GOVERN.
3. FOR ALL CONSTRUCTION MATERIALS AND METHODS, THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY BRACING, BRIDGING, OR SHORING AS REQUIRED FOR SAFETY, STABILITY, AND ALIGNMENT OF THE STRUCTURE. BRACING AND SHORING SHALL BE KEPT IN PLACE UNTIL PERMANENT STRUCTURAL SUPPORT IS FULLY EFFECTIVE.
4. DELEGATED DESIGN MAY BE REQUIRED FOR A NUMBER OF STRUCTURAL SYSTEMS (I.E. COLD-FORMED METAL FRAMING, TRUSSES, PRECAST CONCRETE, STEEL CONNECTIONS, SOIL SHORING, ETC.). REFER TO PROJECT SPECIFICATIONS FOR DESIGN CRITERIA AND OTHER PROJECT REQUIREMENTS.
5. REFER TO PROJECT SPECIFICATIONS FOR TESTING, INSPECTION, AND OTHER REQUIREMENTS.
6. A SPECIAL INSPECTION PROGRAM HAS BEEN DEVELOPED IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS. REFER TO PROJECT SPECIFICATIONS FOR SPECIAL INSPECTION REQUIREMENTS.

FOUNDATIONS

1. THE FOUNDATIONS HAVE BEEN DESIGNED BASED ON SOIL BORINGS PERFORMED BY NW CONTRACTING
2. EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN NOT LESS THAN 4 FEET BELOW FINISHED EXTERIOR GRADE.
3. ALL FOUNDATIONS SHALL BEAR ON SUBGRADE MATERIAL HAVING A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT. COMPACT FOUNDATION SUBGRADES TO A MINIMUM OF 98% MODIFIED PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT.
4. BACKFILL NO BASEMENT OR SOIL RETAINING WALLS UNTIL PERMANENT LATERAL STRUCTURAL SUPPORT SYSTEM IS FULLY EFFECTIVE.
5. THE SUB-BASE FOR THE SLABS ON GRADE IS TO BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT.

CONCRETE & REINFORCING

1. CONCRETE SHALL BE NORMAL WEIGHT (UON) AND HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:
   - A. FOOTINGS 3000 PSI
   - B. FOUNDATION WALLS AND PIERS 4500 PSI
   - C. INTERIOR SLABS ON GRADE 4000 PSI
   - D. PARKING AND EXTERIOR SLABS ON GRADE 5000 PSI
2. ALL BAR REINFORCEMENT SHALL CONFORM TO ASTM 615, GRADE 60. WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A1085.
3. ALL WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI-315), AND BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318).

STRUCTURAL STEEL

1. DETAIL, FABRICATE AND ERECT STRUCTURAL STEEL IN CONFORMANCE WITH THE AISC SPECIFICATIONS AND CODES, LATEST EDITIONS.
2. PERFORM ALL WELDING USING QUALIFIED WELDERS AND IN ACCORDANCE WITH THE AWS "STRUCTURAL WELDING CODE - STEEL", LATEST EDITION.
3. ALL STRUCTURAL STEEL SHALL BE NEW STEEL WHICH CONFORMS TO ASTM WITH THE FOLLOWING MINIMUM FOR YIELD STRESS (Fy):
   - A. "W" SHAPES50 KSI, ASTM A992
   - B. TUBULAR SHAPES46 KSI, ASTM A500, GRADE B
   - C. ROUND SHAPES36 KSI, ASTM A53, GRADE B
   - D. ALL OTHER STEEL36 KSI, ASTM A36
   - E. HIGH STRENGTH BOLTSASTM A325 OR A490
   - F. ANCHOR BOLTS36 KSI OR 55 KSI, ASTM F1554
   - G. WELDING ELECTRODEE70XX
   - H. METAL DECK WELDING ELECTRODEE60XX MIN

STEEL JOISTS

1. DETAIL, FABRICATE AND ERECT STEEL JOISTS AND JOIST GIRDERS IN CONFORMANCE WITH THE SJI SPECIFICATIONS AND CODES, LATEST EDITIONS.
2. PERFORM ALL WELDING USING QUALIFIED WELDERS AND IN ACCORDANCE WITH THE AWS "STRUCTURAL WELDING CODE - STEEL", LATEST EDITION.
3. PROVIDE JOIST BRIDGING PER SJI REQUIREMENTS.
4. DESIGN THE BOTTOM CHORD MEMBERS OF ALL STEEL JOISTS FOR A MINIMUM SUSPENDED LOAD OF 50 PLF.
5. DESIGN ALL STEEL JOISTS, JOIST GIRDERS, AND BRIDGING FOR A MINIMUM NET ALLOWABLE UPLIFT LOAD OF 15 PSF.

METAL DECK

1. FABRICATE METAL DECKING FROM STEEL, WHICH CONFORMS TO ASTM A653, HAVING A MINIMUM YIELD STRENGTH OF 33 KSI. HOT DIP GALVANIZE ROOF DECK TO G60 REQUIREMENTS.
2. FASTEN ROOF DECKING AT 12 INCHES MAXIMUM ON CENTER TO THE SUPPORTING STEEL WITH A 5/8-INCH DIAMETER WELD. WELD SIDE LAPS AT 12 INCHES MAXIMUM ON CENTER.
3. SEE SPECIFICATIONS AND APPROVED SHOP DRAWING FOR ADDITIONAL FLOOR AND ROOF DECK FASTENING REQUIREMENTS.

COLD FORMED METAL FRAMING (CFMF)

1. PERFORM ALL WELDING IN ACCORDANCE WITH THE AWS "STRUCTURAL WELDING CODE - SHEET STEEL", LATEST EDITION.
2. ALL CFMF SHALL BE MADE FROM NEW SHEET STEEL, HAVING A G60 GALVANIZED COATING CONFORMING TO ASTM A525, WITH THE FOLLOWING REQUIREMENTS:
   - A. 12, 14 AND 16 GAGE STUDS - ASTM C955, Fy=50 KSI
   - B. 18 AND 20 GAGE STUDS - ASTM C955, Fy=33 KSI
   - C. TRACK, BRIDGING, AND ACCESSORIES - ASTM C955, Fy=33 KSI.

DELEGATED DESIGN

1. DELEGATED DESIGN ITEMS SHALL BE DESIGNED, INCLUDING A COMPREHENSIVE ENGINEERING ANALYSIS, BY A QUALIFIED PROFESSIONAL ENGINEER USING PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA INDICATED IN THE DRAWINGS, PROJECT SPECIFICATIONS, AND APPLICABLE CODES.
2. BUILDING SYSTEMS AND COMPONENTS DESIGNATED AS DELEGATED DESIGN, AS INDICATED IN THE PROJECT SPECIFICATIONS, INCLUDE BUT ARE NOT LIMITED TO:
   - A. STEEL JOISTS
   - B. COLD-FORMED METAL FRAMING GIRT SYSTEM
   - C. METAL PANELS & CONNECTIONS
   - D. CONNECTIONS AND SUPPORT FOR ALL M.E.P. EQUIPMENT & PROCESSING COMPONENTS. MAJOR COMPONENTS INCLUDE BUT ARE NOT LIMITED TO:
     1. FALL PROTECTION
     2. ROOF TOP UNIT CURBS
     3. HVAC UNITS
     4. TANKS AND GENERATORS
     5. EQUIPMENT
     6. HOSE REEL SUPPORTS
     7. PIPE HANGERS

DESIGN LOADS

DESIGN CODE: 2020 BUILDING CODE OF NEW YORK STATE (ASCE 7-16)

EQUIPMENT LOADS :
RTU-1 = 673 LBS
RTU-2 = 1525 LBS
RTU-3 = 673 LBS
RTU-4 = 1525 LBS
RTU-5 = 1525 LBS

EXHAUST FAN(S) = 62 LBS

BRIDGE CRANE
CAPACITY = 30 KIPS
BRIDGE WEIGHT = 18,665 LBS
TROLLEY WEIGHT = 3,150 LBS

LOADS SUSPENDED FROM COMPOSITE METAL DECK FLOOR
SHALL NOT EXCEED 400 LBS. IN ANY 4'-0" WIDTH OF SLAB

BUILDING RISK CATEGORY:II

SNOW LOADS:
GROUND SNOW LOAD (Pg) 50 PSF
SNOW IMPORTANCE FACTOR (Is):1.0
SNOW EXPOSURE FACTOR (Ce):1.0
THERMAL FACTOR (Ct) - HEATED:1.0
BUILDING FLAT ROOF SNOW LOAD (Pf) 35PSF
(PLUS DRIFTING)

WIND LOADS:
ULTIMATE BASIC WIND SPEED (V):105 MPH
EXPOSURE CATEGORY:C

SEISMIC LOADS:
SEISMIC IMPORTANCE FACTOR (Ie):1.0
PROJECT LOCATION ZIP CODE:14094
SHORT PERIOD MAPPED ACCELERATION (SS):
1 SECOND PERIOD MAPPED ACCELERATION (S1):
SITE CLASS:D
SHORT PERIOD DESIGN ACCELERATION (SDS):
1 SECOND PERIOD DESIGN ACCELERATION (SD1):
SEISMIC DESIGN CATEGORY:

NORTH-SOUTH DIRECTION

FORCE RESISTING SYSTEM: ORDINARY STEEL
SYSTEM COEFFICIENT (R):3.0 (STEEL NOT SEISMICALLY DETAILED)
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
SEISMIC RESPONSE COEFFICIENT (CS) 0.57
SEISMIC BASE SHEAR:64.2 KIPS

EAST-WEST DIRECTION
FORCE RESISTING SYSTEM: ORDINARY STEEL
SYSTEM COEFFICIENT (R):3.0 (STEEL NOT SEISMICALLY DETAILED)
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
SEISMIC RESPONSE COEFFICIENT (CS):0.05
SEISMIC BASE SHEAR:55.5 KIPS

FUTURE EXPANSION
THE STRUCTURE HAS BEEN DESIGNED TO ACCOMMODATE A FUTURE EXPANSION OF SIMILAR SIZE AND SCOPE AS PHASE 1, TO THE NORTH OF COLUMN LINE D. IT HAS BEEN ASSUMED THAT ADDITION WILL BE OF SIMILAR CONSTRUCTION AND FRAMING ORIENTATIONS. NORTH-SOUTH BAY SPACING SHALL NOT EXCEED 35'.

NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS
EST. 1935
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(716) 827-6000 | (716) 826-7958 fax
www.nuscle.com

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

STRUCTURAL NOTES

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 827

NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1935 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 - PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	CRR
DESIGNED BY	CMA
CHECKED BY	
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	37 OF 70

S-001

L:\2022\0106 Zeton\DBB Working Dwgs\Discipline\S-Structural\S-001 Structural Notes.dwg 10/6/2023 CRORINCH

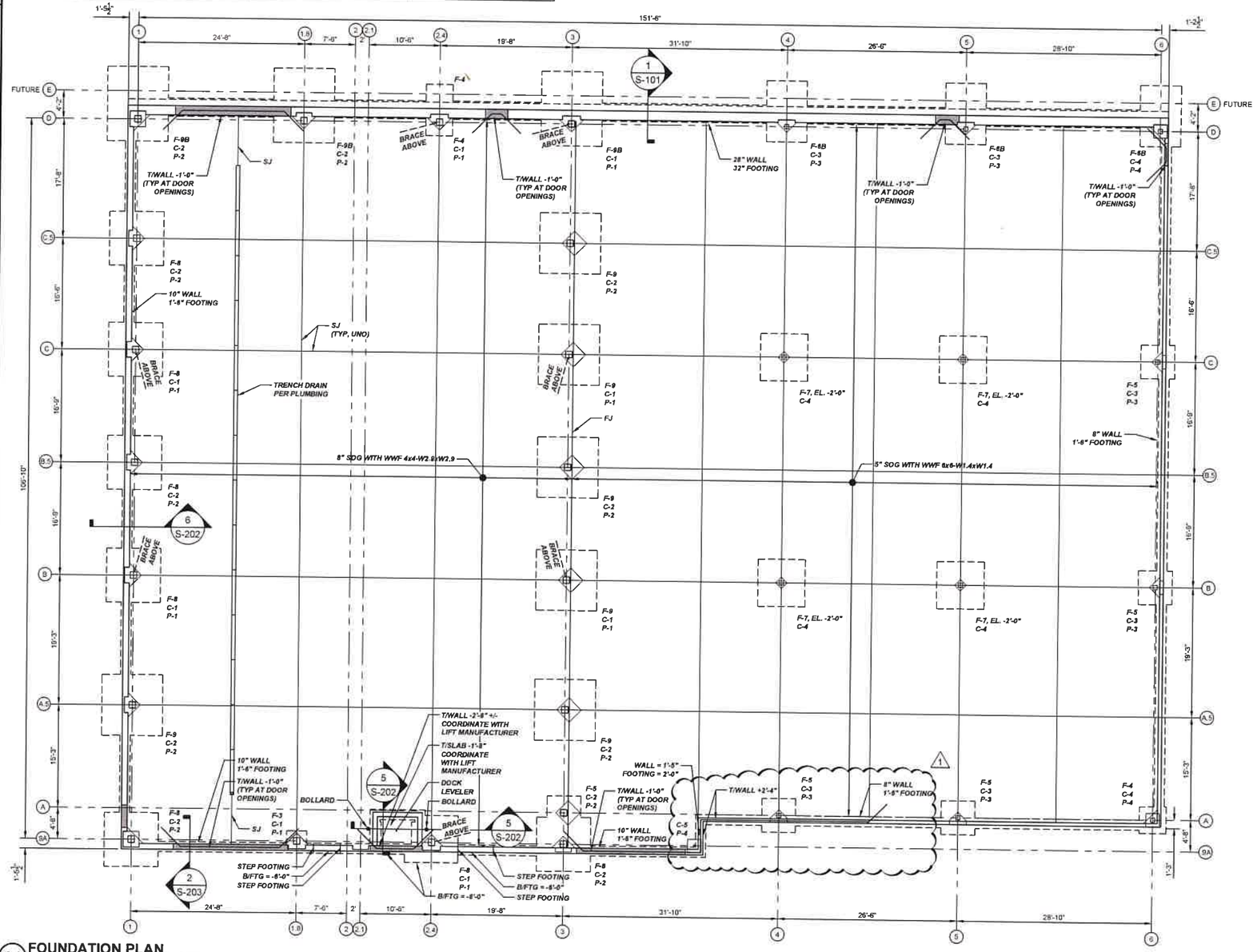
COLUMN FOOTING SCHEDULE					
	DIMENSIONS				
MARK	LENGTH	WIDTH	DEPTH	REINFORCING (BOTT. U.O.N.)	REMARKS
F-4	4'-0"	4'-0"	1'-0"	#4 @ 12" OC EW	
F-5	5'-0"	5'-0"	1'-0"	#6 @ 12" OC EW	
F-6	6'-0"	6'-0"	1'-4"	#6 @ 12" OC EW	
F-6B	9'-0"	6'-0"	1'-4"	#6 @ 12" OC EW	
F-7	7'-0"	7'-0"	1'-4"	#6 @ 12" OC EW	
F-9	9'-0"	9'-0"	1'-6"	#6 @ 12" OC EW	
F-9B	11'-0"	9'-0"	1'-6"	#6 @ 12" OC EW	
F-10	10'-0"	10'-0"	1'-8"	#6 @ 12" OC EW	

GRAVITY COLUMN SCHEDULE											
		BASEPLATE				ANCHOR ROD					
MARK	SIZE	THICKNESS	WIDTH	LENGTH	GRADE	QTY	DIA	EMBEDMENT	GRADE	DETAIL	REMARKS
C-1	HSS12x12x1/2	1"	24"	28"	A36	4	1	12"	F1554,GR 55		
C-2	HSS12x12x1/2	1"	24"	24"	A36	4	1	12"	F1554,GR 55		
C-3	HSS8x8x3/8	1"	20"	26"	A36	4	1	12"	F1554,GR 55		
C-4	HSS8x8x3/8	1"	20"	20"	A36	4	1	12"	F1554,GR 55		
C-5	HSS4x4x1/4	3/4"	12"	12"	A36	4	3/4	8"	F1554,GR 36		

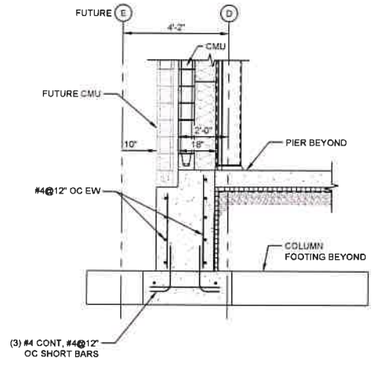
FOUNDATION NOTES

1. C-XX INDICATES STEEL COLUMN
   P-XX INDICATES CONCRETE PIER
   F-XX INDICATES COLUMN FOOTING
2. FF ELEVATION = 0.00' = EL 610.0'
3. TOP OF SLAB = EL 0'-0" UNO AS T/SLAB +/- FROM TYPICAL TOP OF SLAB ELEVATION
4. BOTTOM OF EXTERIOR FOOTING = EL -4'-6", UNO AS B/FTG +/- FROM TOP OF SLAB ELEVATION
5. TOP OF WALL = EL 0'-0" UNO AS T/WALL +/- FROM TOP OF SLAB ELEVATION
6. TOP OF PIER AND INTERIOR FOOTINGS = EL - 1'-0", UNO AS T/FTG OR T/PIER +/- FROM TOP OF SLAB ELEVATION
7. ALL SLAB ON GRADE JOINTS ARE SAWCUT JOINTS (INDICATED AS SJ). CONTRACTOR SHALL DETERMINE LOCATION OF FORMED JOINTS, IF ANY. SEE TYPICAL CONCRETE DETAILS FOR TYPICAL SLAB ON GRADE JOINTS.
8. COORDINATE ALL DOOR LOCATIONS AND SIZES WITH ARCHITECTURAL DRAWINGS. SEE TYPICAL FOUNDATION WALL DETAIL FOR EXTERIOR DOOR DETAIL.
9. COORDINATE ALL FLOOR DRAINS AND ROOF DRAINS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

PIER SCHEDULE					
	DIMENSIONS		REINFORCING		
MARK	WIDTH	LENGTH	VERTICAL BARS	TIES	REMARKS
P-1	28"	32"	10 - #6	#4@12" OC	
P-2	28"	28"	8 - #6	#4@12" OC	
P-3	24"	30"	10 - #6	#4@12" OC	
P-4	24"	24"	8 - #6	#4@12" OC	



A1 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



1 FOUNDATION WALL SECTION
SCALE: NTS

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FOUNDATION PLAN

REVISIONS		
No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	(VE1) VALUE ENGINEERING 1	02/14/24

NUSSBAUMER & CLARKE, INC.
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CERTIFICATE NO. 427

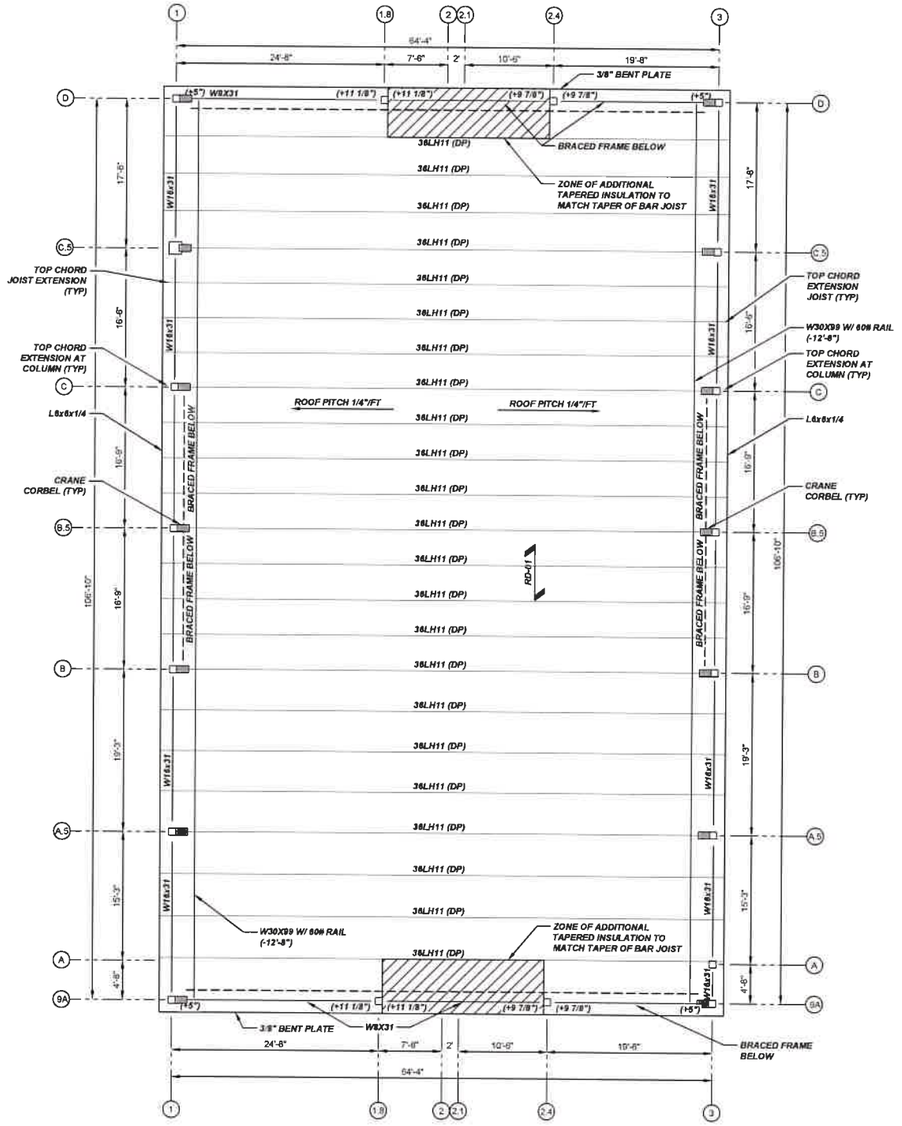
NUSSBAUMER AND CLARKE, INC. INCORPORATED 1933 SEAL BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	CRR
DESIGNED BY	CMA
CHECKED BY	
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	38 OF 70

S-101

L:\2022\0106 Zeton\DBB Working Dwgs\Discipline\S-Structural\S-101 Foundation Plan.dwg 2/14/2024 CRGHRICH



A1 UPPER ROOF FRAMING PLAN

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

UPPER ROOF FRAMING PLAN

1. RD-01 INDICATES SPAN DIRECTION OF 1 1/2"X 20 GA. TYPE B GALV. (G90) METAL ROOF DECK.
2. TOP OF ROOF STEEL EL 37'-8" UNLESS NOTED OTHERWISE AS (+/-) FROM TOP OF STEEL ELEVATION
3. COORDINATE ALL ROOF PENETRATIONS AND RTU SIZES AND LOCATIONS WITH MEP DRAWINGS
4. DP INDICATED DOUBLE PITCHED TOP CHORD BAR JOIST. HIGH POINT SHALL BE PLACED AT THE JOIST MID SPAN.
5. INDICATES CRANE CORBEL, SEE DETAIL D1/S-205
6. 10" WALL Z-GRIT SYSTEM W/ CHANNELS AROUND DOOR AND WINDOW OPENING SHALL BE DELEGATED DESIGN.

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ZETON US PROPERTIES, INC.

115 OAKHURST STREET, LOCKPORT NY

UPPER ROOF FRAMING PLAN

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

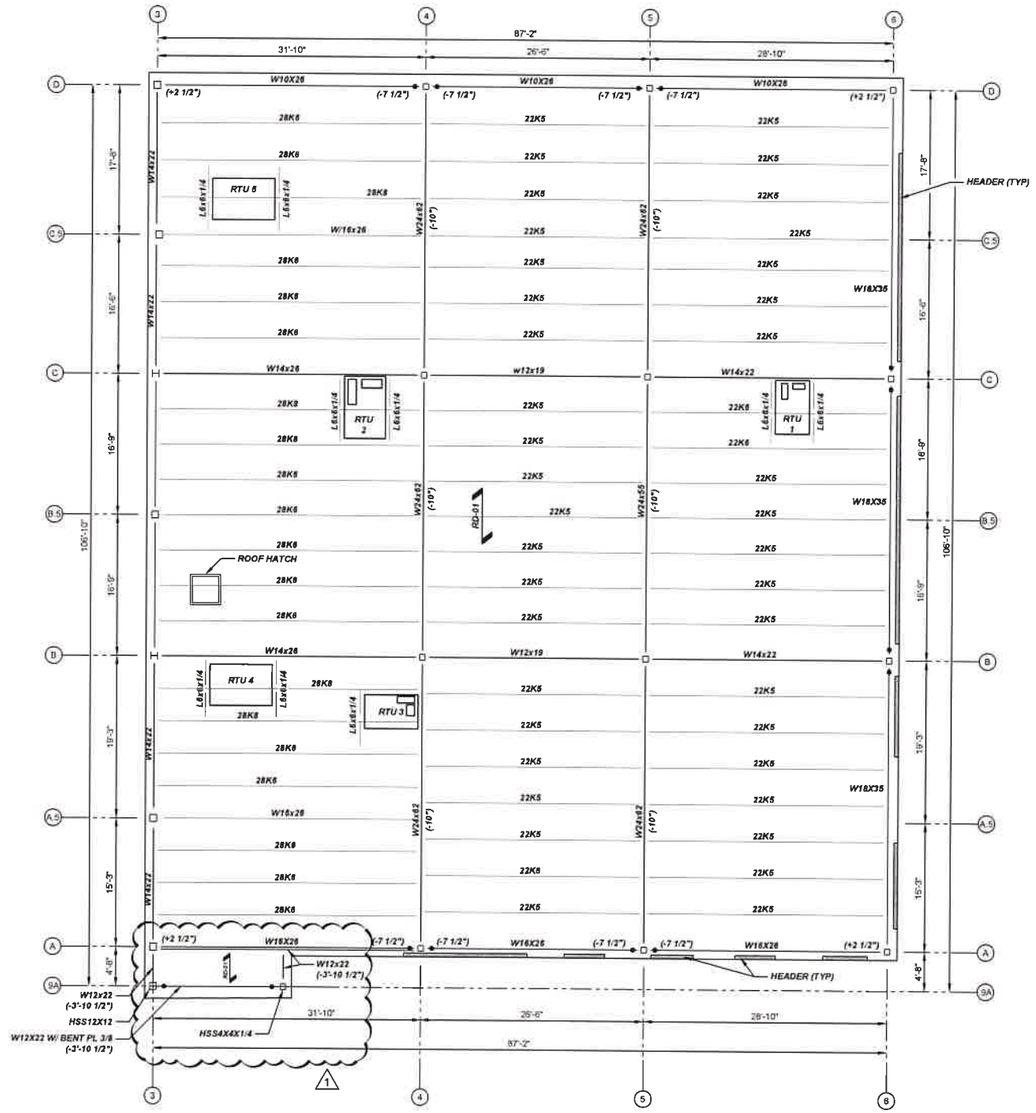
NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1935 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISIONS 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0108
DATE	08-22-23
DRAWN BY	CRR
DESIGNED BY	CMA
CHECKED BY	
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	39 OF 70

S-102

L:\2022\0108 Zeton\0088 Working Dwgs\Discipline\S-Structural\S-102 Upper Roof Framing Plan.dwg 10/6/2023 CRGHRICH



A1 LOWER ROOF FRAMING PLAN

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

LOWER ROOF FRAMING PLAN

1. RD-01 INDICATES SPAN DIRECTION OF 1 1/2"X 20 GA. TYPE B GALV. (G90) METAL ROOF DECK.
2. TOP OF ROOF STEEL EL 14'-2 1/2" UNLESS NOTED OTHERWISE AS (+/-) FROM TOP OF STEEL
3. COORDINATE ALL ROOF PENEDTRATIONS AND RTU SIZES AND LOCATIONS WITH MEP DRAWINGS. SEE DETAIL 7 ON S-204 FOR ROOF PENETRATION.
4. ● INDICATES MOMENT CONNECTION PER XXX

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LOWER ROOF FRAMING PLAN

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	(VE1) VALUE ENGINEERING 1	02/14/24

NUSSBAUMER & CLARKE, INC.
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CERTIFICATE NO. 627

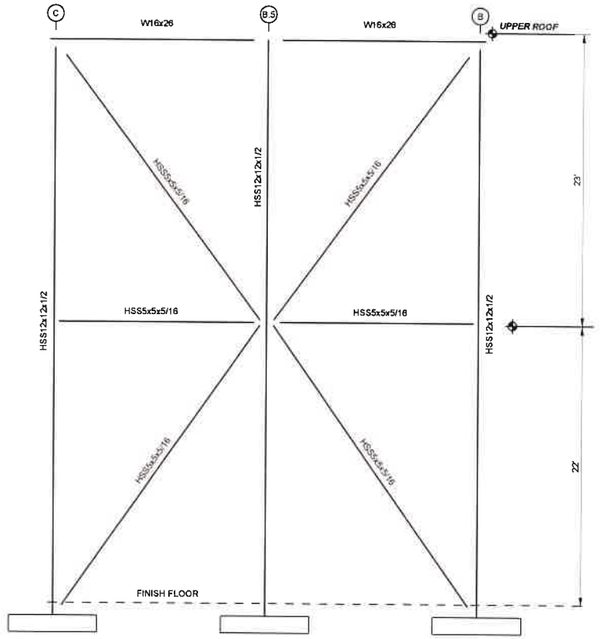
NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

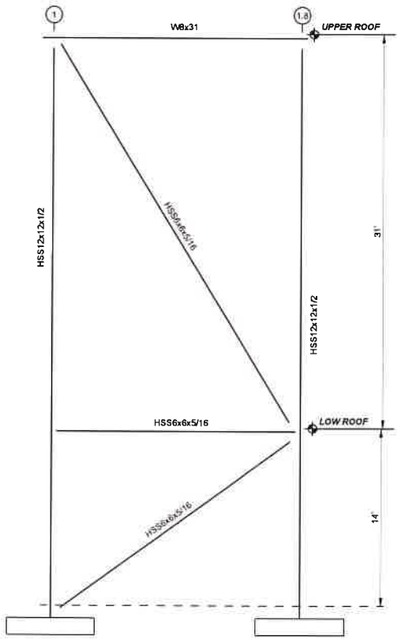
PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	CRR
DESIGNED BY	CMA
CHECKED BY	
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	40 OF 70

S-103

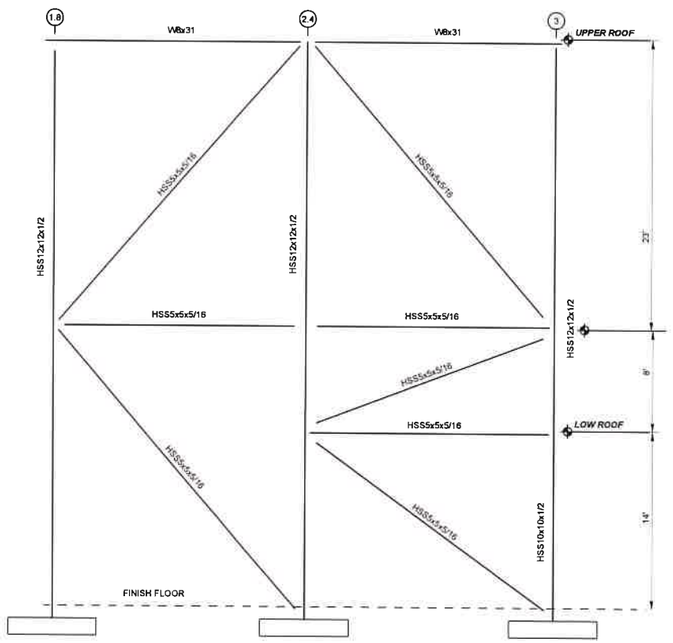
L:\2022\0106 Zeton\DBB Working Dwgs\Discipline\S-Structural\S-103 Lower Roof Framing Plan.dwg 2/14/2024 CRORRICH



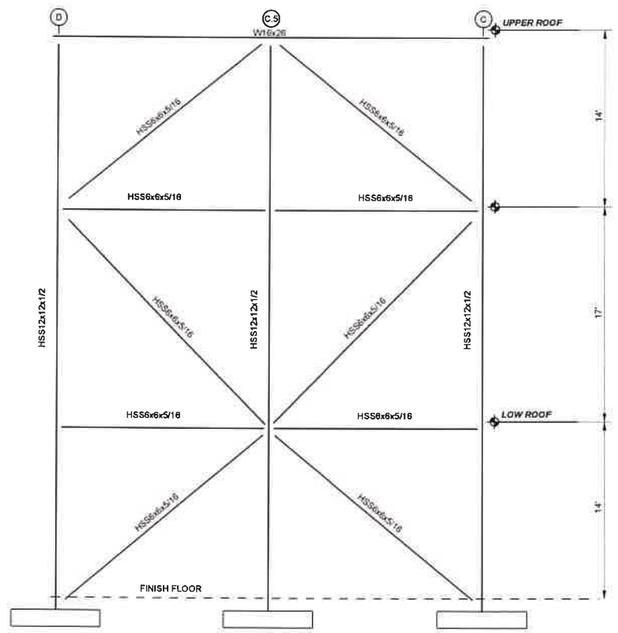
1 BRACE FRAME ELEVATION VIEW (COLUMN LINE 1)
SCALE: NTS



2 BRACE FRAME ELEVATION VIEW (COLUMN LINE .9A)
SCALE: NTS



3 BRACE FRAME ELEVATION VIEW (COLUMN LINE D)
SCALE: NTS



4 BRACE FRAME ELEVATION VIEW (COLUMN LINE 3)
SCALE: NTS

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BRACE ELEVATION AND DETAILS

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
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CERTIFICATE NO. 027

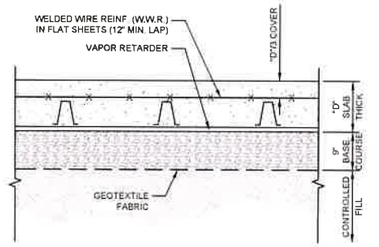
NUSSBAUMER & CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

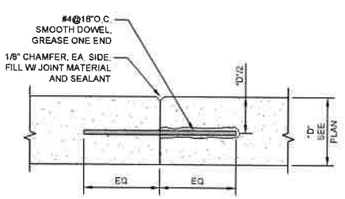
PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	CRR
DESIGNED BY	CMA
CHECKED BY	
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	41 OF 70

S-201

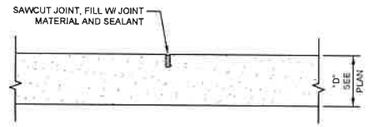
L:\2022\0106 Zeton\0B0 Working Dwgs\Discipline\S-Structural\S-201 Brace Elevation and Details.dwg 10/6/2023 CRCHRISCH



1 TYPICAL SLAB ON GRADE
SCALE: NTS



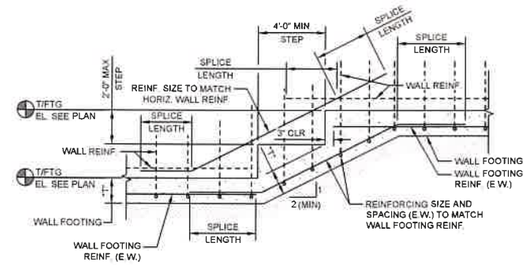
2 TYPICAL FORMED JOINT (FJ)
SCALE: NTS



NOTES:

1. SAWCUT JOINT WITHIN 18 HOURS AFTER CONCRETE PLACEMENT.
2. MAXIMUM JOINT SPACING (FEET) = 3 x "D" ON CENTER

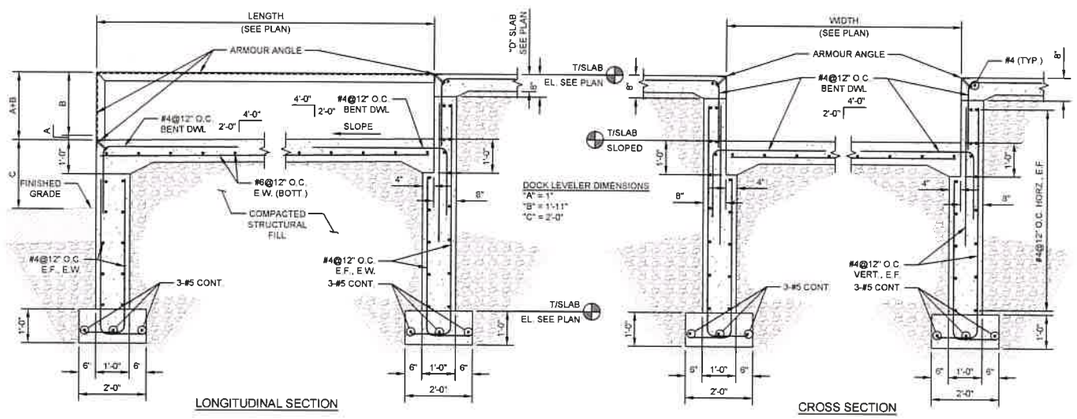
3 TYPICAL SAWCUT JOINT (SJ)
SCALE: NTS



NOTE:

1. FOR WALL AND WALL FOOTING REINFORCING, SEE SECTIONS, AND SCHEDULES.

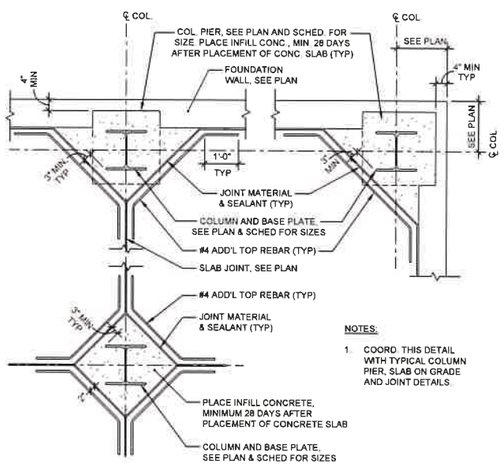
4 TYPICAL STEPPED WALL FOOTING
SCALE: NTS



NOTE:

1. COORDINATE LOCATION OF ALL DOCK LEVELER EQUIPMENT AND ACCESSORIES W/ MANUFACTURER.

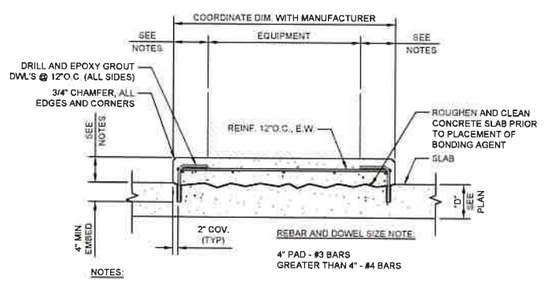
5 TYPICAL DOCK LEVELER SECTIONS
SCALE: NTS



NOTES:

1. COORD. THIS DETAIL WITH TYPICAL COLUMN PIER, SLAB ON GRADE AND JOINT DETAILS.

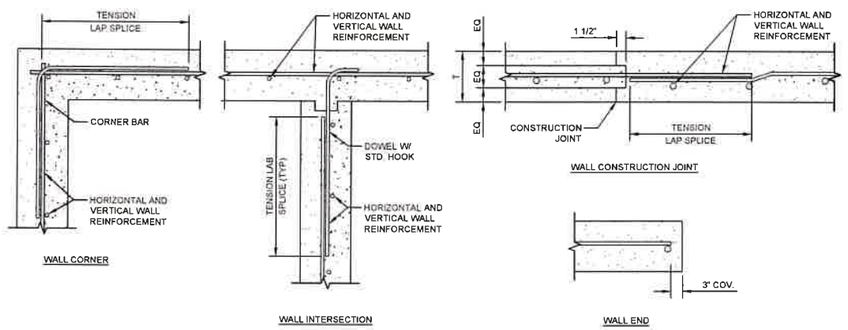
7 TYPICAL ISOLATION JOINT (DIAMOND)
SCALE: NTS



NOTES:

1. NOT ALL EQUIPMENT PADS ARE SHOWN ON STRUCTURAL SHEETS. COORDINATE LOCATIONS AND PAD SIZE REQUIREMENTS WITH EQUIPMENT MANUFACTURER, MECHANICAL, ELECTRICAL AND ARCHITECTURAL SHEETS.
2. COORDINATE ALL EQUIPMENT ANCHORAGE WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS.

8 TYPICAL INTERIOR HOUSEKEEPING PAD
SCALE: NTS



6 CONCRETE WALL WITH 1 ROW REINFORCING
SCALE: NTS

BAR SIZE	3000 PSI NORMAL WEIGHT CONCRETE			
	TENSION			
	DEV. LENGTH (IN)	CLASS B SPLICE LENGTH	TOP BAR DEV. LENGTH (IN)	TOP BAR SPLICE LENGTH (IN)
3	17	22	22	28
4	22	29	29	38
5	28	36	36	47
6	33	43	43	56
7	48	63	63	81
8	55	72	72	93
9	62	81	81	105
10	69	90	90	116
11	76	98	98	128

BAR SIZE	4000 PSI NORMAL WEIGHT CONCRETE			
	TENSION			
	DEV. LENGTH (IN)	CLASS B SPLICE LENGTH	TOP BAR DEV. LENGTH (IN)	TOP BAR SPLICE LENGTH (IN)
3	15	19	19	25
4	19	25	25	33
5	24	31	31	41
6	29	37	37	49
7	42	54	54	71
8	48	62	62	81
9	54	70	70	91
10	60	78	78	101
11	68	85	85	111

BAR SIZE	4500 PSI NORMAL WEIGHT CONCRETE			
	TENSION			
	DEV. LENGTH (IN)	CLASS B SPLICE LENGTH	TOP BAR DEV. LENGTH (IN)	TOP BAR SPLICE LENGTH (IN)
3	14	18	18	23
4	18	24	24	31
5	23	30	30	38
6	27	35	35	46
7	40	51	51	67
8	45	59	59	76
9	51	66	66	86
10	56	73	73	95
11	62	80	80	104

BAR SIZE	5000 PSI NORMAL WEIGHT CONCRETE			
	TENSION			
	DEV. LENGTH (IN)	CLASS B SPLICE LENGTH	TOP BAR DEV. LENGTH (IN)	TOP BAR SPLICE LENGTH (IN)
3	13	17	17	22
4	17	23	23	29
5	22	28	28	36
6	26	34	34	44
7	38	49	49	63
8	43	56	56	72
9	48	63	63	81
10	54	69	69	90
11	59	76	76	99

NOTES

1. REINFORCING BARS ARE CLASSIFIED AS TOP BARS WHEN MORE THAN 12"OF CONCRETE IS CAST BENEATH RESPECTIVE REINFORCING BAR
2. "SIDE LAP" ALL LAP SPLICES TO PROVIDE MAXIMUM MOMENT CAPACITY

9 REINFORCING BAR SPLICE LENGTHS
SCALE: NTS

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ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

TYPICAL CONCRETE DETAILS

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
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CERTIFICATE NO. 027

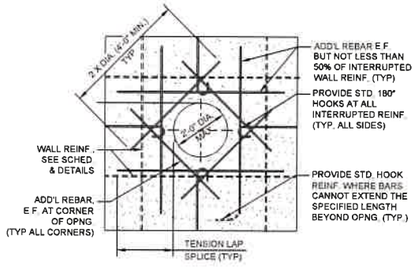
NUSSBAUMER AND CLARKE, INC. INCORPORATED 1933 SEAL BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

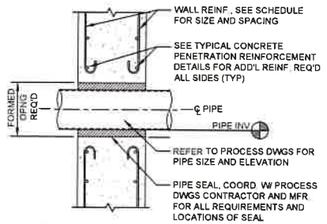
PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	CRR
DESIGNED BY	CMA
CHECKED BY	
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	42 OF 70

S-202

L:\2022\0106 Zeton\0BB Working Dwgs\Discipline\S-Structural\S-202 Typical Concrete Details.dwg 10/6/2023 CRORRICH



SINGLE CIRCULAR OPENING



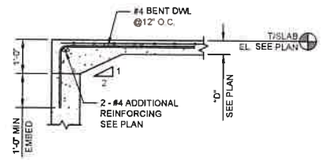
SECTION AT OPENING

NOTES:

1. 2'-0" DIA. OPENING MAX.
2. FOR REIN. COVER, SEE CONCRETE COVER REQUIREMENT SCHEDULE

1 TYPICAL CONCRETE SINGLE PENETRATION REINFORCEMENT

SCALE: NTS



NOTES:

1. COORDINATE OPENING LOCATIONS AND SLAB REQUIREMENTS / CONNECTIONS WITH ARCHITECTURAL DRAWINGS.

2 FULL SLAB OVER TOP FOUNDATION WALL

SCALE: NTS

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www.nussclarke.com

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

TYPICAL CONCRETE DETAILS

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 627

NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0108
DATE	09-22-23
DRAWN BY	CRR
DESIGNED BY	CMA
CHECKED BY	—
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	43 OF 70

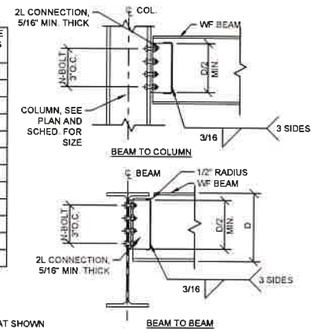
S-203

G:\2022\0108 Zeton\0000 Working Dwgs\Discipline\S-Structural\S-203 Typical Concrete Details.dwg 10/6/2023 CRGARBEN

BEAM DEPTH (D)	N -3/4" DIA. A325N BOLTS ONE ROW	MAXIMUM COPE SIZE (IN.)	ALLOWABLE REACTIONS (KIPS)
W8, C8	2	1 1/2"x"x4"	10
W10, C10	2	1 1/2"x"x4"	15
W12, C12	3	1 1/2"x"x4"	25
W14	3	1 1/2"x"x5"	30
W16	4	1 1/2"x"x5"	40
W18	4	1 1/2"x"x5"	50
W21	5	1 1/2"x"x6"	65
W24	6	1 1/2"x"x6"	80
W27	7	1 1/2"x"x6"	95
W30	7	1 1/2"x"x6"	105
W33	8	1 1/2"x"x6"	120
W36	9	1 1/2"x"x6"	130

NOTES:

1. ANY BEAM WITH COPE EXCEEDING THAT SHOWN SHALL BE DESIGNED INDEPENDENTLY



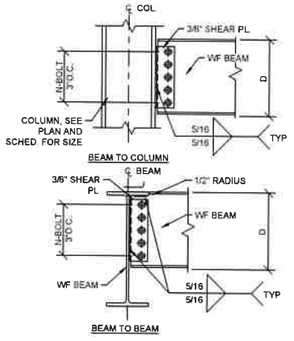
1 TYPICAL DOUBLE ANGLE CONNECTION

SCALE: NTS

BEAM DEPTH (D)	N -1" DIA. A325N BOLTS IN ONE ROW	ALLOWABLE REACTIONS (KIPS)
W8, C8	2	10
W10, C10	2	15
W12, C12	3	25
W14	3	30
W16	4	40
W18	5	50
W21	6	65
W24	7	80
W27	8	95
W30	9	105

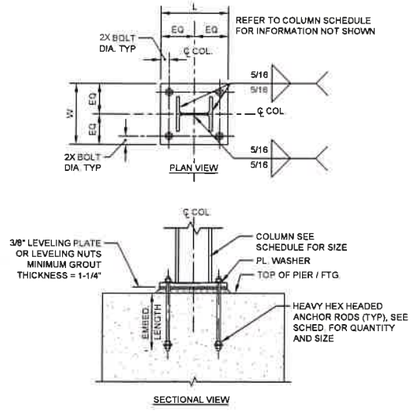
NOTE:

1. BOLTS ARE TO BE 1" DIA. A325N



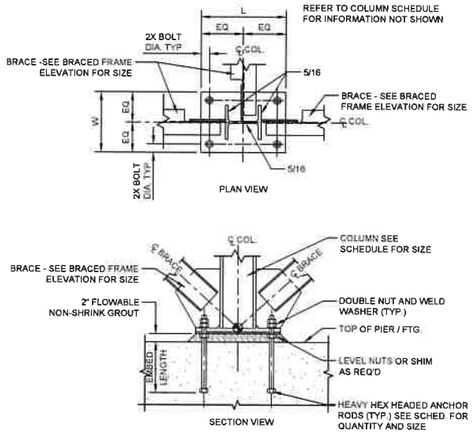
2 TYPICAL SHEAR PLATE CONNECTION

SCALE: NTS



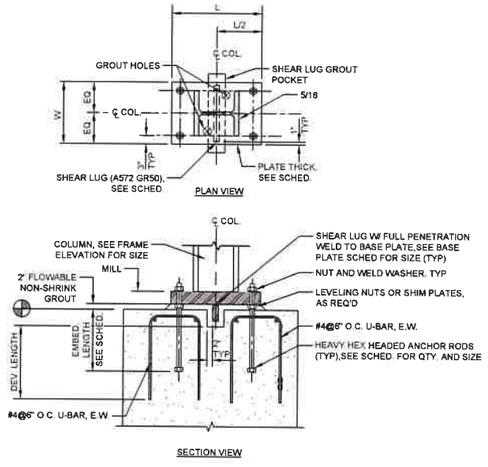
3 TYPICAL BASEPLATE

SCALE: NTS



4 TYPICAL BASEPLATE

SCALE: NTS

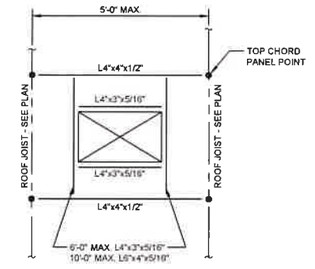


NOTE:

1. REFER TO COLUMN SCHEDULE FOR INFORMATION NOT SHOWN

5 SHEAR LUG DETAIL

SCALE: NTS

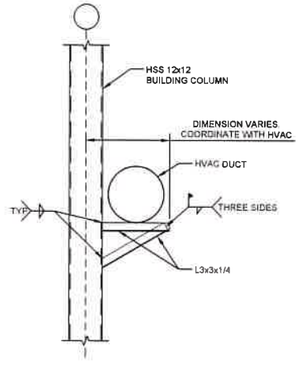


NOTE:

1. ALL UNEQUAL LEG ANGLES ARE TO BE LONG LEG VERTICAL (LLV.)

6 TYPICAL REINF. AT OPENING IN ROOF DECK WITH JOIST FRAMING

SCALE: NTS

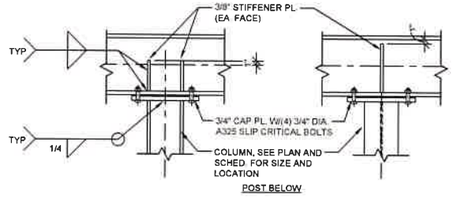


NOTE

1. SEE MECHANICAL DRAWINGS FOR LOCATIONS.

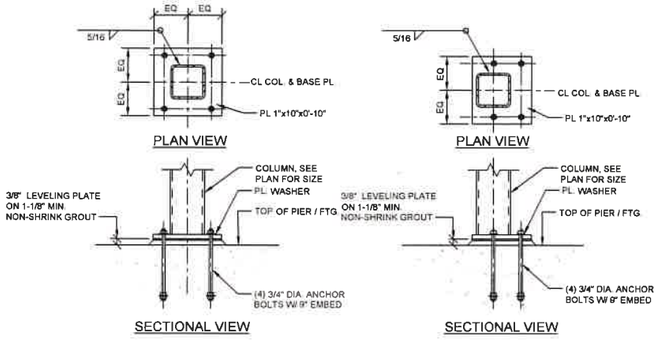
7 TYPICAL DUCT SUPPORT AT HIGH BAY

SCALE: NTS



8 TYPICAL BEAM OVER COLUMN

SCALE: NTS



9 TYPICAL BASEPLATE DETAILS

SCALE: NTS

NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS
EST. 1933
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(716) 827-8000 | (716) 828-7858 fax
www.nussclarke.com

ZETON US PROPERTIES, INC.

115 OAKHURST STREET, LOCKPORT NY

TYPICAL STEEL DETAILS

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

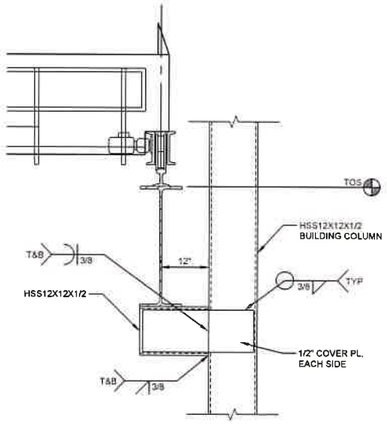
NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

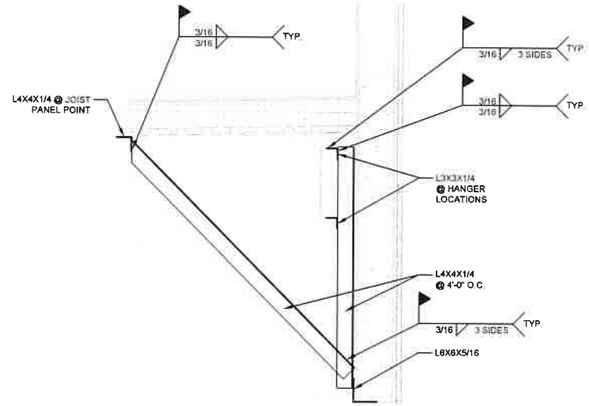
PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	CRR
DESIGNED BY	CMA
CHECKED BY	
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	44 OF 70

S-204

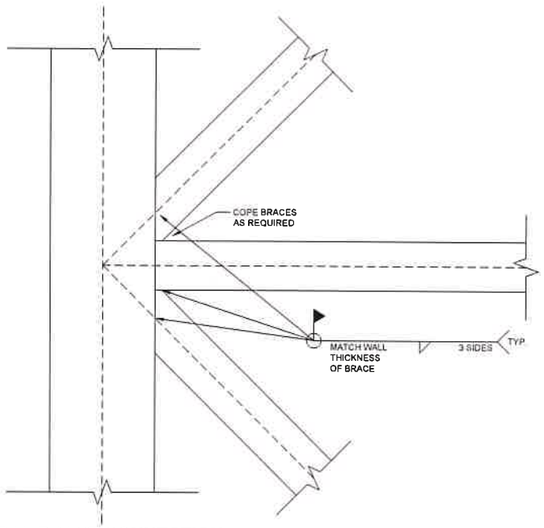
G:\2022\J0106 Zeton\DWG Working Dwgs\Discipline\S-Structural\S-204 Typical Steel Details.dwg 10/6/2023 CRGARRICH



D1 CRANE CORBEL
SCALE: NTS



D2 HEADER DETAIL
SCALE: NTS



D3 TYPICAL BRACE CONNECTION
SCALE: NTS

NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS
EST. 1933

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ZETON US PROPERTIES, INC.

115 OAKHURST STREET, LOCKPORT NY

TYPICAL STEEL DETAILS

REVISIONS

Rev	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE
PROFESSIONAL ENGINEERING & LAND SURVEYING IN
THE STATE OF NEW YORK
CERTIFICATE NO. 827

NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0108
DATE	09-22-23
DRAWN BY	CRR
DESIGNED BY	CMA
CHECKED BY	—
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	45 OF 70

S-205

L:\2022\0108 Zeton\0088 Working Dwgs\Discipline\S-Structural\S-205 Typical Steel Details.dwg 10/6/2023 CRGARRICH

PLUMBING NOTES:

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NECESSARY FOR A COMPLETE PLUMBING SYSTEM AS SHOWN, CLEANED, TESTED, FULLY OPERATIONAL AND READY TO USE.
2. BEFORE SUBMITTING A BID, THE CONTRACTOR SHALL VISIT THE PROJECT LOCATION TO DETERMINE ALL EXISTING CONDITIONS THAT WILL AFFECT THE INSTALLATION OF THE PROPOSED MATERIAL AND EQUIPMENT. THE ENGINEER SHALL BE NOTIFIED OF ANY CONFLICTS FOUND.
3. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODE, FUEL GAS CODE AND STANDARDS, NFPA, ADA, OSHA, AND ALL LOCAL CODES OF THE AUTHORITY HAVING JURISDICTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSPECTIONS, INCLUDING ASSOCIATED COSTS.
5. ALL MATERIAL SHALL BE NEW AND UNUSED UNLESS OTHERWISE NOTED.
6. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE SIZE AND GENERAL ARRANGEMENT OF PIPING, EQUIPMENT, ETC. EXACT LOCATIONS AND ROUTINGS SHALL BE DETERMINED IN THE FIELD BEFORE AND AS THE WORK PROGRESSES. CAREFULLY COORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES.
7. DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATION, ETC. WHICH MAY BE REQUIRED BY ACTUAL FIELD CONDITIONS. THE CONTRACTOR IS TO FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION AND MAKE SUCH CHANGES IN PIPING, EQUIPMENT LOCATIONS, ETC. AS NECESSARY TO ACCOMMODATE FIELD CONDITIONS. COORDINATE ALL CHANGES WITH OTHER TRADES AND ENGINEER.
8. ALL PIPING SHALL BE CLEAN AND FREE OF LEAKS. INSTALL ALL PIPING AND PIPE FITTINGS IN A MANNER NOT TO INTERFERE WITH ACCESS TO EQUIPMENT AND ANY DEVICE WHICH REQUIRES ACCESS.
9. ALL PIPING SHALL BE SUPPORTED AS REQUIRED.
10. ALL PIPING SHALL BE INSULATED TO A MINIMUM THICKNESS AS FOLLOWS: COLD WATER (INTERIOR WALLS) 1/2" & (EXTERIOR WALLS) 1", HOT WATER 1", CONDENSATE 1/2".
11. ALL PLUMBING FIXTURES SHALL HAVE A TRAP, EXCEPT FOR WATER CLOSETS, AND SHUTOFF VALVES LOCATED AT THE FIXTURE.
12. FACTORY-ASSEMBLED ANODELESS RISERS SHALL BE AS RECOMMENDED BY THE MANUFACTURER FOR THE GAS USED AND SHALL BE LEAK TESTED BY THE MANUFACTURER.
13. ALL NATURAL GAS EQUIPMENT SHALL HAVE SHUTOFF VALVES AND SEDIMENT TRAPS.
14. ALL WATER SUPPLY AND DRAINAGE SYSTEM TESTS AND INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODE SECTION 312, AND THE AHJ. THE CONTRACTOR SHALL COORDINATE TESTS AND INSPECTIONS WITH THE CODE OFFICIAL OF THE AUTHORITY HAVING JURISDICTION (AHJ).
15. ALL NATURAL GAS SYSTEM TESTS AND INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE FUEL GAS CODE SECTION 406, AND THE AHJ. THE CONTRACTOR SHALL COORDINATE TESTS AND INSPECTIONS WITH THE CODE OFFICIAL OF THE AHJ.
16. CONTRACTOR TO ROUGH-IN ACCORDING TO FIXTURE SCHEDULE UNLESS OTHERWISE INDICATED ON DRAWINGS.

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
	PROPOSED COLD WATER SUPPLY PIPE TO BE INSTALLED
	PROPOSED HOT WATER SUPPLY PIPE TO BE INSTALLED
	PROPOSED HOT WATER RECIRCULATION PIPE TO BE INSTALLED
TEMP	PROPOSED TEMPERED WATER TO BE INSTALLED.
	PROPOSED SANITARY SEWER PIPE TO BE INSTALLED
	PROPOSED SANITARY SEWER VENT TO BE INSTALLED
G	PROPOSED NATURAL GAS PIPE TO BE INSTALLED
G	EXISTING NATURAL GAS PIPE TO REMAIN
A	PROPOSED COMPRESSED AIR PIPE TO BE INSTALLED
SD	PROPOSED STORM DRAIN PIPE TO BE INSTALLED
FM	PROPOSED STORM FORCE MAIN DRAIN PIPE TO BE INSTALLED
CA	PROPOSED COMPRESSED AIR PIPE TO BE INSTALLED
	PROPOSED SHUT-OFF BALL VALVE TO BE INSTALLED
	PROPOSED SHUT-OFF GATE VALVE TO BE INSTALLED
	PROPOSED MIXING VALVE TO BE INSTALLED.
	PROPOSED CHECK VALVE TO BE INSTALLED.
	PROPOSED HOSE BIBB TO BE INSTALLED.
WP	PROPOSED FREEZE PROOF HOSE BIBB TO BE INSTALLED.
	PROPOSED UNION TO BE INSTALLED.
	RECIRCULATION PUMP TO BE INSTALLED.
	PROPOSED AQUASTAT TO BE INSTALLED.
	PROPOSED COMPRESSED AIR RELIEF VALVE TO BE INSTALLED.
	PROPOSED GAS COCK VALVE TO BE INSTALLED
	PROPOSED FLOOR DRAIN TO BE INSTALLED.
	PROPOSED LAMBS TONGUE DOWNSPOUT NOZZLE TO BE INSTALLED
CO	PROPOSED FLOOR CLEANOUT TO BE INSTALLED
CO	PROPOSED WALL CLEANOUT TO BE INSTALLED
	PIPING UP
	PIPING DOWN
	PIPING TEE DOWN
VTR	VENT THRU ROOF
M	PROPOSED WATER METER TO BE INSTALLED
M	PROPOSED NATURAL GAS METER TO BE INSTALLED
EW	PROPOSED EMERGENCY EYE WASH STATION TO BE INSTALLED
SS	PROPOSED EMERGENCY SAFETY SHOWER TO BE INSTALLED
A.F.F.	ABOVE FINISHED FLOOR
WHA	WATER HAMMER ARRESTER
PDI	PLUMBING DRAINAGE INSTITUTE

WATER HAMMER ARRESTOR SCHEDULE

P.D.I. UNITS	FIXTURE UNITS	PIPE SIZE	REMARKS
A	1 - 11	1/2"	-
B	12 - 32	3/4"	-
C	33 - 60	1"	-
D	61 - 113	1-1/4"	-
E	114 - 154	1-1/2"	-
F	155 - 330	2"	-

INSTALL WATER HAMMER ARRESTOR PER PDI
WATER HAMMER ARRESTOR SHALL COMPLY WITH ASSE 1010

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE TYPE	SANITARY		DOMESTIC WATER		DESCRIPTION
		SANITARY	VENT	CW	HW	
WC1	WATER CLOSET (ADA) -ADA HEIGHT BOWL -MANUAL FLUSH VALVE -FLOOR MOUNT -1.28 GPF	3"	2"	1"	-	FLOOR MOUNT VITREOUS CHINA WATER CLOSET (ADA APPROVED) MANUAL FLUSH VALVE BOWL SHALL BE ELONGATED SEAT SHALL BE HINGED OPEN FRONT TYPE
WC2	WATER CLOSET (STANDARD) -MANUAL FLUSH VALVE -FLOOR MOUNT -1.28 GPF	3"	2"	1"	-	FLOOR MOUNT VITREOUS CHINA WATER CLOSET MANUAL FLUSH VALVE BOWL SHALL BE ELONGATED SEAT SHALL BE HINGED OPEN FRONT TYPE
U1	URINAL (ADA) -TOUCH FREE FLUSH VALVE -WALL MOUNT -0.5 GPF	2"	1-1/2"	3/4"	-	WALL HUNG VITREOUS CHINA (ADA APPROVED) DC TOUCH FREE FLUSH VALVE MINIMUM BATTERY LIFE OF 6 YEARS MANUAL FLUSH OVERRIDE 0.5 GPF
L1	LAVATORY (ADA) -WASH BASIN STYLE -TOUCH FREE FAUCET	1-1/2"	1-1/2"	1/2"	1/2"	BASED ON BRADLEY LVA SERIES 3 FAUCET WASH BASIN STYLE AC TOUCH FREE FAUCET , ZEN SERIES PROVIDE TAIL PIECE, TRAP, SHUT-OFFS PROVIDE INTEGRAL MIXING VALVE COMPLYING WITH ASSE 1070 WRAP TRAP WITH INSULATION KIT
L2	LAVATORY (ADA) -WASH BASIN STYLE -TOUCH FREE FAUCET	1-1/2"	1-1/2"	1/2"	1/2"	BASED ON BRADLEY LVA SERIES 2 FAUCET WASH BASIN STYLE AC TOUCH FREE FAUCET , ZEN SERIES PROVIDE TAIL PIECE, TRAP, SHUT-OFFS PROVIDE INTEGRAL MIXING VALVE COMPLYING WITH ASSE 1070 WRAP TRAP WITH INSULATION KIT
L3	LAVATORY (ADA) -WASH BASIN STYLE -TOUCH FREE FAUCET	1-1/2"	1-1/2"	1/2"	1/2"	BASED ON BRADLEY LVA SERIES 1 FAUCET WASH BASIN STYLE AC TOUCH FREE FAUCET , ZEN SERIES PROVIDE TAIL PIECE, TRAP, SHUT-OFFS PROVIDE INTEGRAL MIXING VALVE COMPLYING WITH ASSE 1070 WRAP TRAP WITH INSULATION KIT
KS1	KITCHEN SINK (ADA) -24" WIDE 20 GA STAINLESS STEEL DOUBLE BOWL -DROP IN COUNTER	1-1/2"	1-1/2"	1/2"	1/2"	ADA APPROVED TWO HANDLE CHROME PLATED FAUCET 1.5 GPM AERATOR PROVIDE TAIL PIECE, TRAP, SHUT-OFFS PROVIDE MIXING VALVE WRAP TRAP WITH INSULATION KIT
MS1	MOP SINK -24"x24"x10" HIGH BASIN -FLOOR MOUNT	3"	2"	1/2"	1/2"	CHROME PLATED SERVICE FAUCET WITH VACUUM BREAKER
LT1	LAUNDRY TUB UTILITY SINK -20"x24"x13" DEEP TUB -ADJUSTABLE STEEL LEGS	1-1/2"	1-1/2"	1/2"	1/2"	CHROME PLATED SERVICE FAUCET WITH VACUUM BREAKER PROVIDE DRAIN STOPPER
DF1	DRINKING FOUNTAIN (ADA) -TWO STATION -BOTTLE FILL	1-1/2"	1-1/2"	1/2"	-	REFRIGERATED DRINKING FOUNTAIN WITH BOTTLE FILL STATION PROVIDE TRAP AND SHUT OFF AT COOLER
BF1	BOTTLE FILL STATION (ADA) -BOTTLE FILL	1-1/2"	1-1/2"	1/2"	-	REFRIGERATED AND NON REFRIGERATED BOTTLE FILL STATION. REFER TO PLANS FOR REFRIGERATION REMOTE CONDENSER WHERE LISTED ON PLANS PROVIDE TRAP AND SHUT OFF AT COOLER
DW1	DISHWASHER	-	-	-	1/2"	SELECTED BY OWNER
HWT1	HOT WATER TANK -ELECTRIC -40 GALLON	-	-	3/4"	3/4"	PROVIDE T & P VALVE PROVIDE DRIP PAN SET TEMPERATURE TO 140F
HWT2	HOT WATER TANK -EMERGENCY SHOWER USE -ELECTRIC -120 GALLON	-	-	1-1/2"	1-1/4"	PROVIDE EMERGENCY SHOWER HOT WATER TANK AS A COMPLETE PACKAGE INCLUDE ASSE 1071 MIXING VALVE INCLUDE T & P VALVE PROVIDE DRIP PAN SET TEMPERATURE TO 170F
FD1	FLOOR DRAIN -SIZE PER PLANS	4"	2"	1/2"	-	PROVIDE ROUND GRATE AND TRAP PRIMER BRONZE BODY NOTE: DRAINS WITH NO TRAP PRIMER SHALL HAVE A TRAP SEAL
TD1	TRENCH DRAIN -SIZE PER PLANS	4"	2"	1/2"	-	PROVIDE 6-1/4" WIDE GRATE AND TRAP PRIMER 4" HDPE MODULAR BODY 0.75% SLOPE
FCO1	FLOOR CLEAN OUT -SIZE PER PLANS	SIZE PER PLANS	–	–	–	NICKEL BRONZE TOP
HB1	HOSE BIBB -ANIT-SIPHON -FREEZELESS	–	–	3/4"	–	INTEGRAL VACUUM BREAKER LOOSE KEY OPERATION
HB2	HOSE BIBB -ANIT-SIPHON	–	–	3/4"	–	INTEGRAL VACUUM BREAKER HANDWHEEL OPERATION
MV1	THERMOSTATIC MIXING VALVE -COMPLIES WITH ASSE 1017 -HOT WATER DISTRIBUTION	–	–	REFER TO PLANS	REFER TO PLANS	SHALL COMPLY WITH ASSE 1017
MV2	THERMOSTATIC MIXING VALVE -COMPLIES WITH ASSE 1070 - LAVATORIES	–	–	REFER TO PLANS	REFER TO PLANS	SHALL COMPLY WITH ASSE 1070
MV3	THERMOSTATIC MIXING VALVE -COMPLIES WITH ASSE 1071 -EMERGENCY SHOWER	–	–	REFER TO PLANS	REFER TO PLANS	SHALL COMPLY WITH ASSE 1071
CP1	CIRCULATION PUMP -1 GPM	–	–	REFER TO PLANS	REFER TO PLANS	GRUNDFOS MODEL ALPHA2 15-55SF/LC OR EQUAL PROVIDE AQUASTAT
RD1	ROOF DRAIN -COMBINATION DRAIN WITH OVERFLOW	-	-	-	-	12" DIAMETER PRIMARY AND SECONDARY COMBINATION ROOF DRAIN DURO COATED CAST IRON BODY WITH STRAINERS AND GRAVEL GUARD
ES1	EMERGENCY SHOWER - EYE WASH	-	-	1-1/2"	1-1/2"	EMERGENCY SHOWER WITH EYE/FACE WASH STATION SHALL CONFORM TO ISEA Z358.1 PROVIDE EMERGENCY SHOWER MIXING VALVE (MV3)
WHA	WATER HAMMER ARRESTER	-	-	-	-	PDI APPROVED STAINLESS STEEL (SIZE AND INSTALL PER PDI)

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ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

PROPOSED PLUMBING SCHEDULES AND NOTES

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

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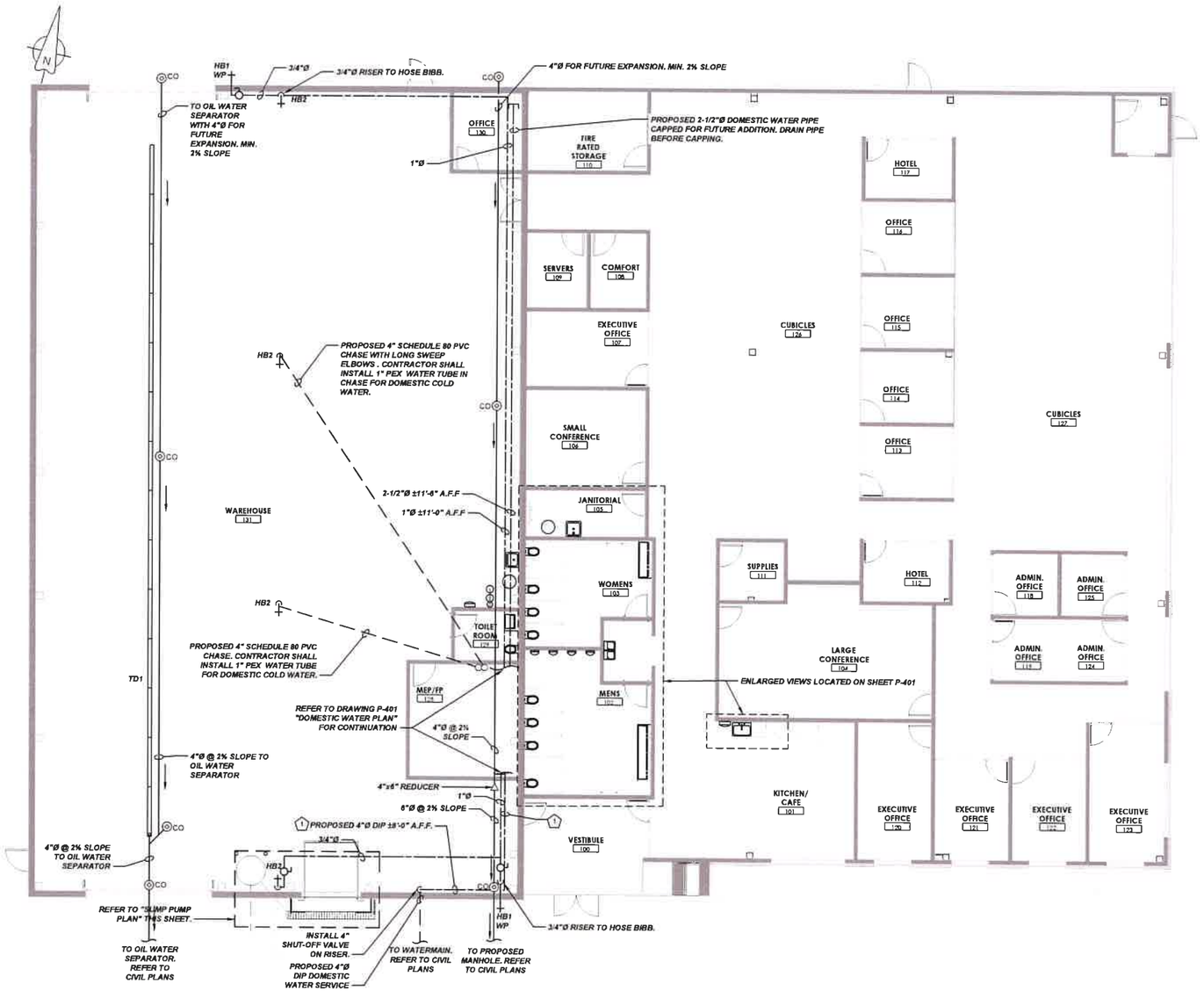
PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	DMO
DESIGNED BY	DMO
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	46 OF 70

P-001

\\22J1-0106 zeton\0800 working dwgs\01-plumbing\P-Plumbing\P-001 PROPOSED PLUMBING SCHEDULES AND NOTES.dwg 10/6/2023 ABASSTA

KEYED NOTES: (K)

1. DOMESTIC WATER PIPE ABOVE FLOOR SHALL BE LABELED EVERY 10 FEET. "DO NOT TAP UPSTREAM OF BACKFLOW PREVENTER"



A1 PLUMBING PLAN

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

NUSSBAUMER & CLARKE, INC.
EST. 1933
ENGINEERS AND SURVEYORS

ZETON US PROPERTIES, INC.

PLUMBING PROPOSED PLUMBING PLAN

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 627

NUSSBAUMER AND CLARKE, INC. INCORPORATED 1933 SEAL BUFFALO, N.Y.

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PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	DMO
DESIGNED BY	DMO
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	47 OF 70

P-101

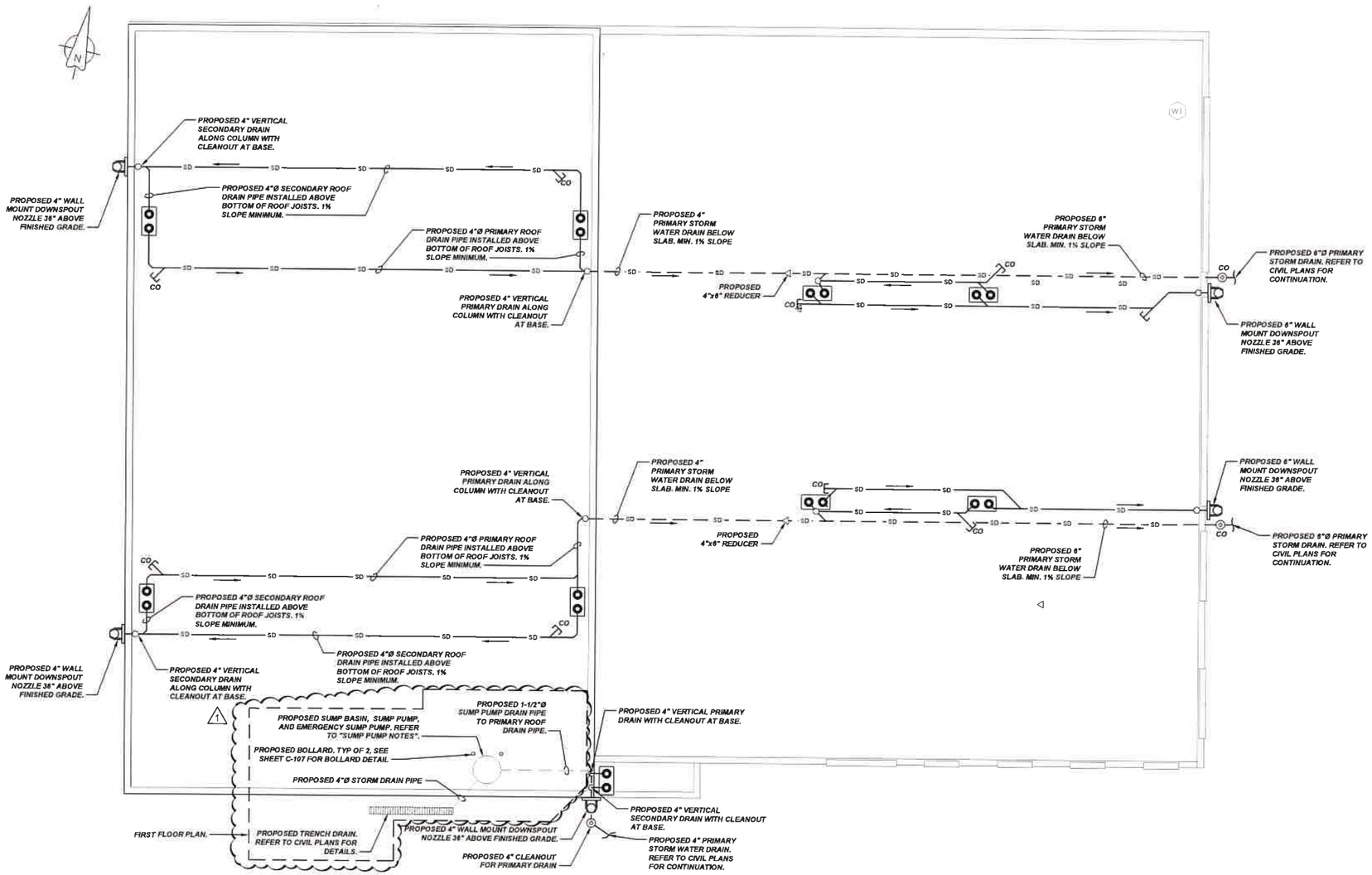
\\2022\0106 zet\ny\08\ working dwgs\01\engineering\P-01 PROPOSED PLUMBING SCHEDULES AND NOTES.dwg 10/6/2023 ABASSIZA

GENERAL NOTES:

1. INSTALL ROOF DRAIN PIPING ABOVE ROOF JOISTS UNLESS OTHERWISE NOTED. CONTRACTOR MAY HAVE TO OFFSET PIPING TO FIT BETWEEN STEEL WEBBING AS FIELD REQUIRED.

SUMP PUMP NOTES:

1. THE CONTRACTOR SHALL INSTALL THE PUMPS PER THE MANUFACTURER'S AND SUPPLIERS INSTRUCTIONS.
2. BASIN SHALL BE SECURED AS REQUIRED TO PREVENT FLOAT ACTION.
3. THE SYSTEM SHALL INCLUDE:
   - 3.A. SUBMERSIBLE PUMP WITH CORD.
   - 3.B. SUBMERSIBLE EMERGENCY PUMP WITH BATTERY/CHARGER.
   - 3.C. 48"Ø X 114" DEEP FIBERGLASS BASIN. SHALL INCLUDE HEAVY DUTY COVER WITH STEEL ACCESS HATCH.
   - 3.D. (1) FLOAT SWITCH FOR PRIMARY PUMP.
   - 3.E. (1) FLOAT SWITCH FOR EMERGENCY PUMP.
4. THE FLOAT LEVELS SHALL BE AS FOLLOWS:
   - 4.A. PUMP OFF - SET ±16" ABOVE BOTTOM OF BASIN.
   - 4.B. PUMP ON - ±22" ABOVE "PUMP OFF" FLOAT. APPROX. 6" BELOW DRAIN INVERT.



A1 ROOF STORM WATER PLAN
SCALE: 1/8"=1'-0"

NUSSBAUMER & CLARKE, INC. EST. 1933 ENGINEERS AND SURVEYORS

ZETON US PROPERTIES, INC.

PLUMBING PROPOSED ROOF STORM WATER PLAN

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	(VE1) VALUE ENGINEERING 1	1/29/24

NUSSBAUMER & CLARKE, INC.
A CORPORATION CONSTITUTED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 227

NUSSBAUMER AND CLARKE INCORPORATED SEAL 1933 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISIONS 2 OF THE NEW YORK STATE EDUCATION LAW

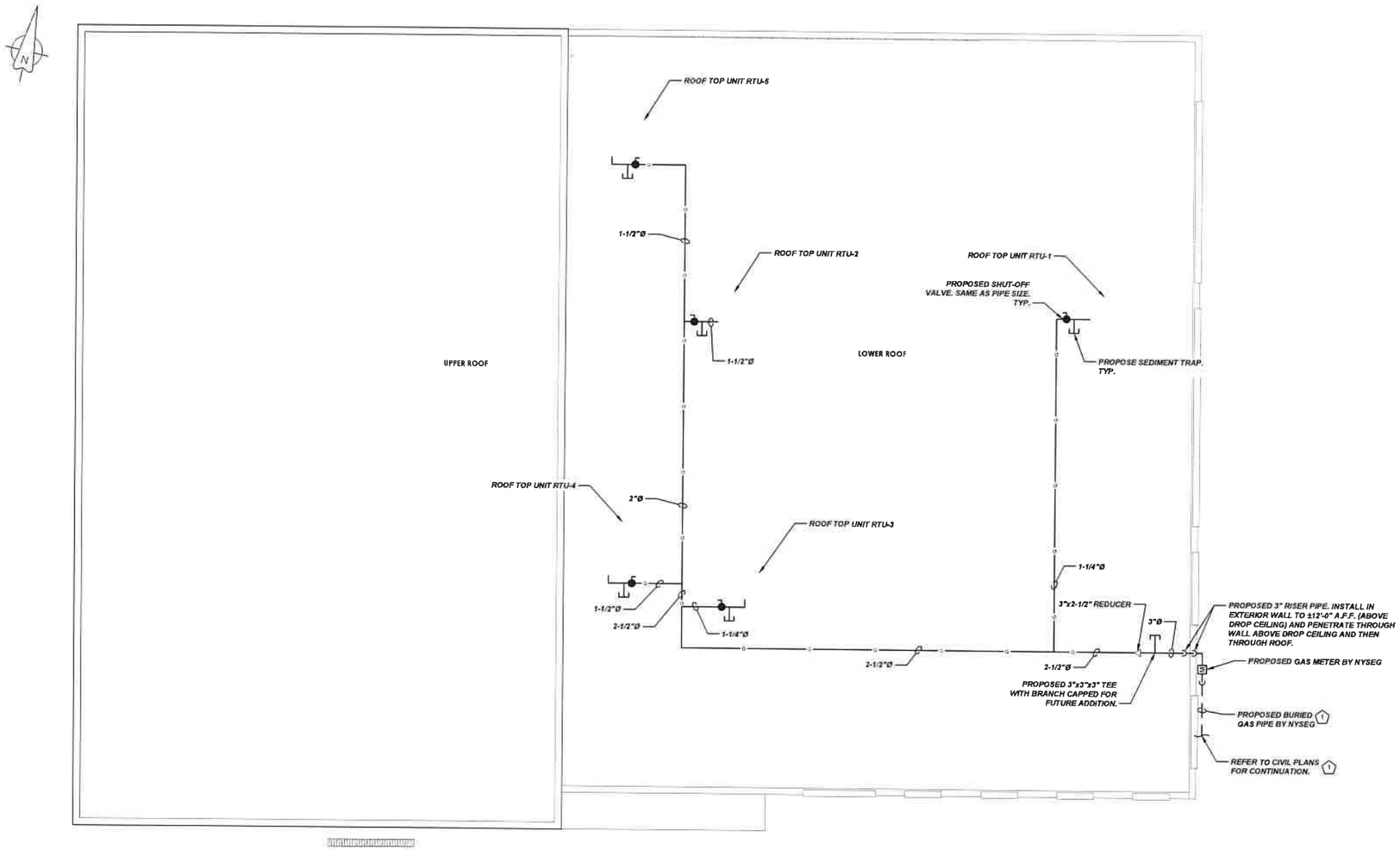
PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	DMO
DESIGNED BY	DMO
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No	48 OF 70

P-102

I:\2022\0106 Zeton\08B Working Dwgs\Discipline\P-Plumbing\P-001 PROPOSED PLUMBING SCHEDULES AND NOTES.dwg 2/12/2024 6:07T

KEYED NOTES: (X)

1. CONTRACTOR SHALL COORDINATE THE NATURAL GAS SERVICE WITH THE NEW YORK STATE ELECTRIC AND GAS (NYSEG). NYSEG SHALL PROVIDE SERVICE PIPING, METER, AND REGULATOR SET FOR 8" W.C. AT 1,960 CFH OF NATURAL GAS



(A1) NATURAL GAS PLAN

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

NUSSBAUMER & CLARKE, INC.
EST. 1933
ENGINEERS AND SURVEYORS

ZETON US PROPERTIES, INC.

PROPOSED NATURAL GAS PLAN

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

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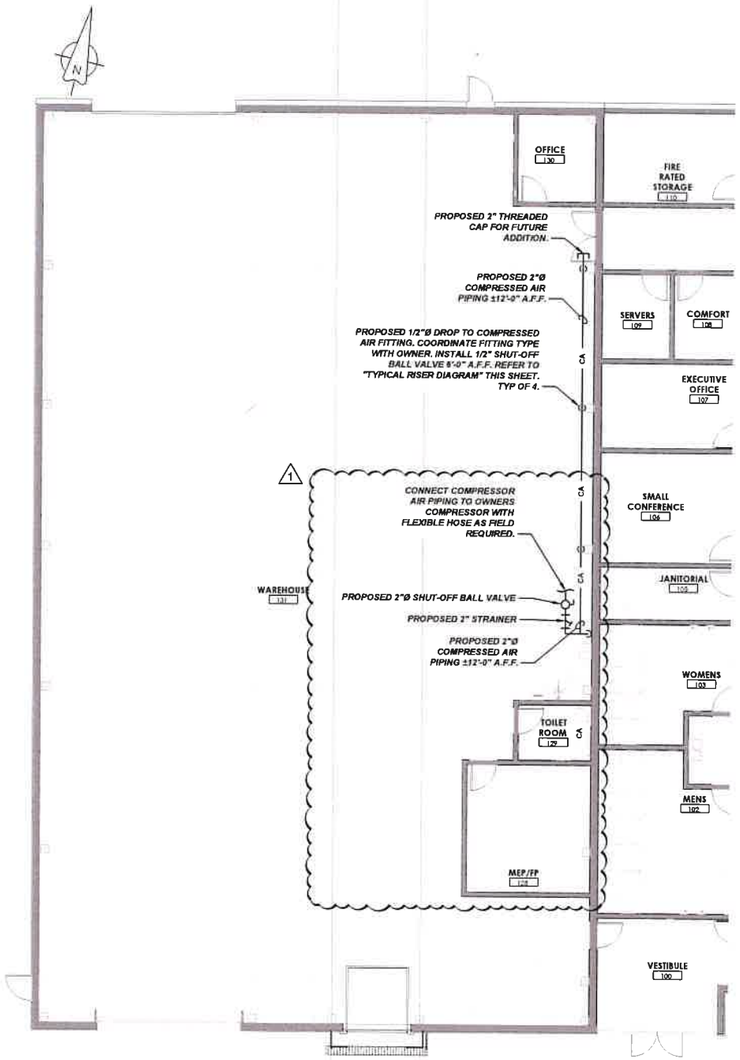
PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	DMO
DESIGNED BY	DMO
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	49 OF 70

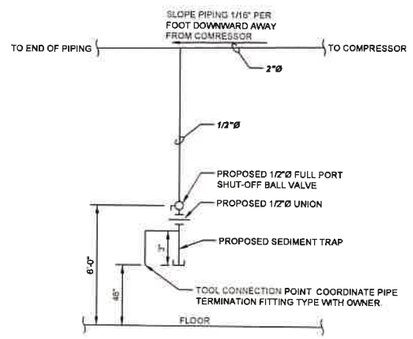
P-103

\\2022\J1106 zeton\Data working dwgs\Discipline\P-Plumbing\P-001 PROPOSED PLUMBING SCHEDULES AND NOTES.dwg 10/6/2023 ABASSTA

KEYED NOTES:
1. COMPRESSOR SUPPLIED BY OWNER



A1 COMPRESSED AIR PIPING PLAN
SCALE: 1/8"=1'-0"



A4 TYPICAL RISER DIAGRAM
SCALE: NOT TO SCALE

NUSSBAUMER & CLARKE, INC.
EST. 1933
ENGINEERS AND SURVEYORS

ZETON US PROPERTIES, INC.

PLUMBING PROPOSED COMPRESSED AIR PIPING DESIGN

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	(VE1) VALUE ENGINEERING 1	1/29/24

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

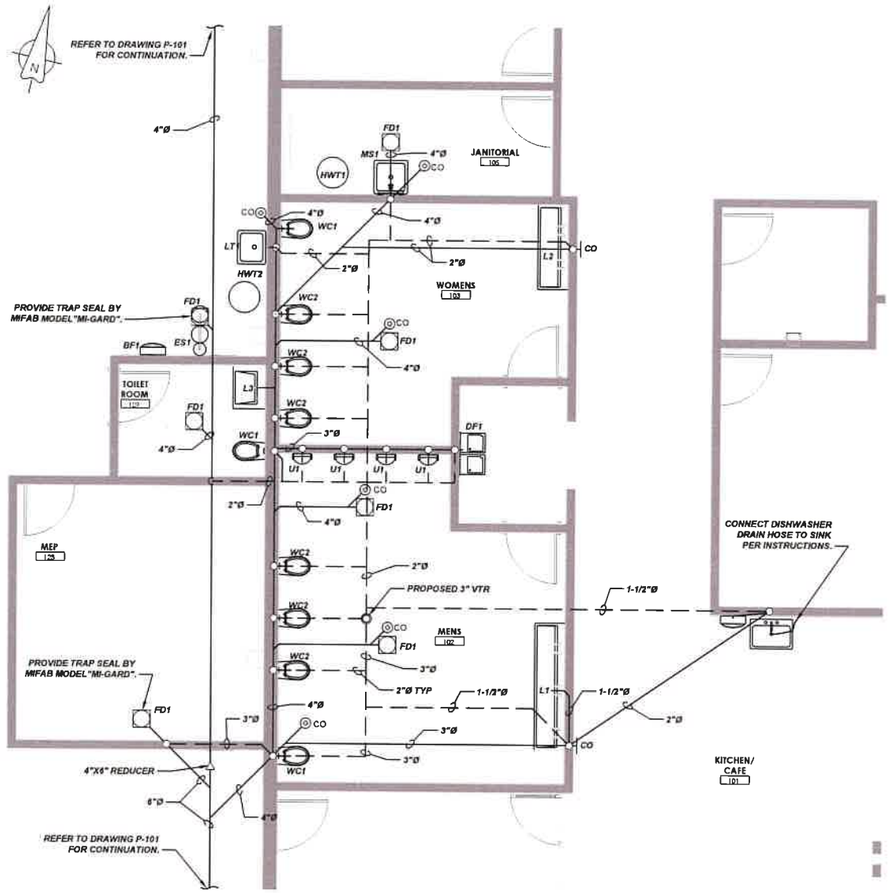
NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	DMO
DESIGNED BY	DMO
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	50 OF 70

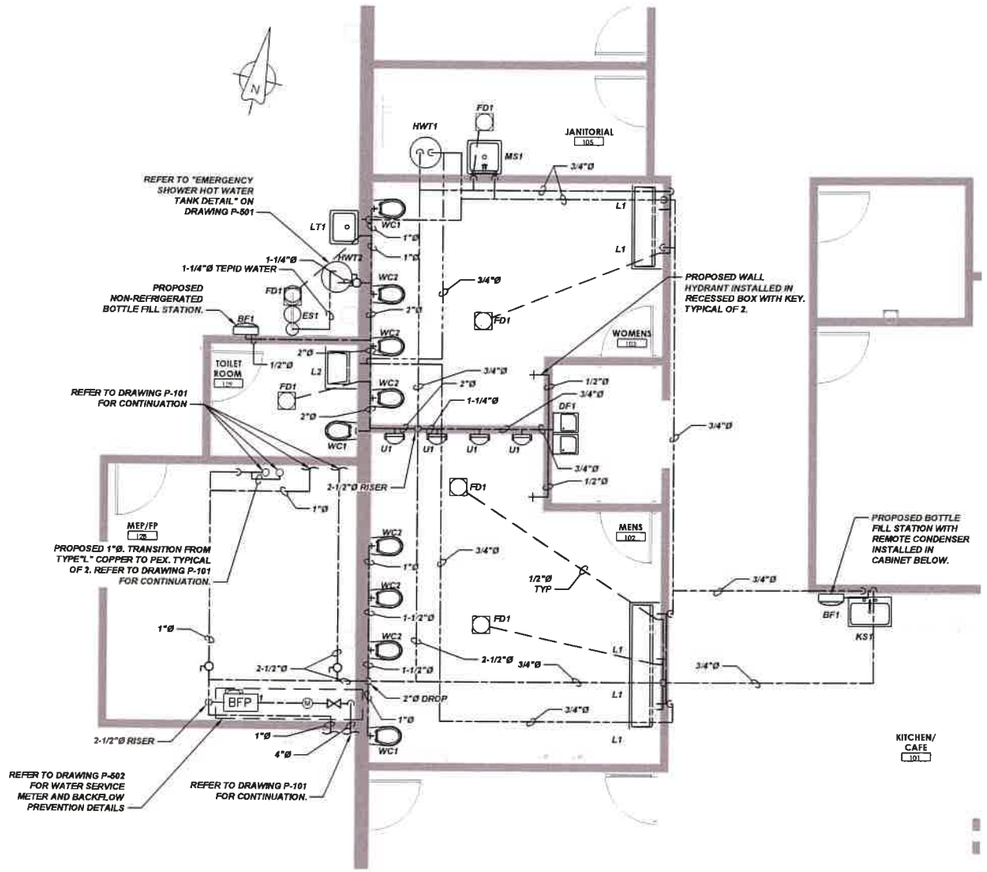
P-104

I:\2022\0106 Zeton\08B Working Dwgs\Discipline\P-Plumbing\P-001 PROPOSED PLUMBING SCHEDULES AND NOTES.dwg, 7/17/2024 8:07T



A1 SANITARY SEWER AND VENT PLAN

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



A4 DOMESTIC WATER PLAN

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

NUSSBAUMER & CLARKE, INC.
EST. 1933
ENGINEERS AND SURVEYORS

ZETON US PROPERTIES, INC.

PLUMBING ENLARGED PLUMBING PLANS

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

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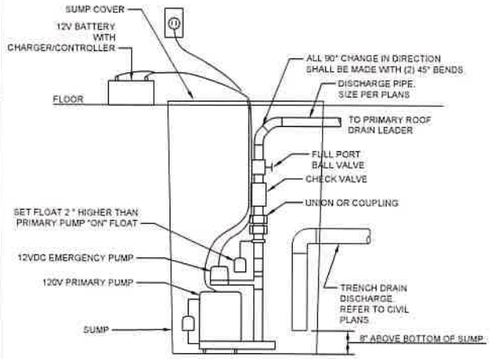
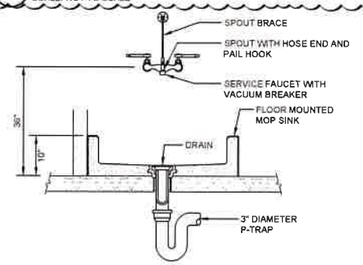
PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	DMO
DESIGNED BY	DMO
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	51 OF 70

P-401

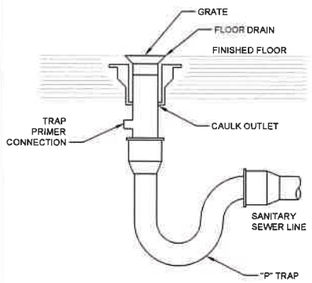
L:\2022\0106 zeton\06b working dwgs\Disciplines\P-Plumbing\P-001 PROPOSED PLUMBING SCHEDULES AND NOTES.dwg 10/6/2023 ABASSTA



D1 SUMP PUMP DETAIL
SCALE: NOT TO SCALE

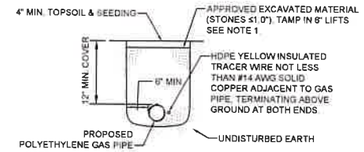


C1 MOP SINK DETAIL
SCALE: NOT TO SCALE



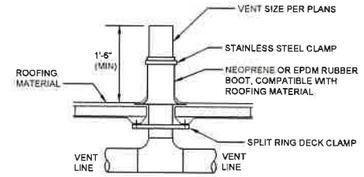
NOTE: CONTRACTOR SHALL PROVIDE 1/2" COPPER LINE TO TRAP PRIMER CONNECTION AT ALL FLOOR DRAINS

A1 FLOOR DRAIN DETAIL
SCALE: NOT TO SCALE



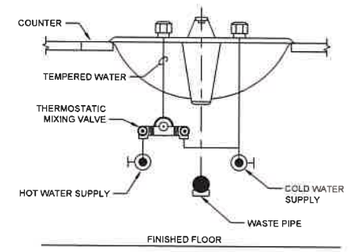
NOTE:
1. IF EXCAVATED MATERIAL IS NOT APPROVED, BACKFILL AROUND ENTIRE PIPE WITH 6" OF SAND OR PEA GRAVEL MAINTAINING 12" MINIMUM COVER ABOVE PIPE. COMPLETE BACKFILL WITH EXCAVATED MATERIAL.

E3 NATURAL GAS PIPE UNTRAVELED TRENCH DETAIL
SCALE: NOT TO SCALE

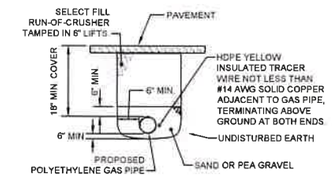


NOTE:
VENT SHALL BE A MINIMUM OF 10'-0" FROM ANY/ALL FRESH AIR INTAKES

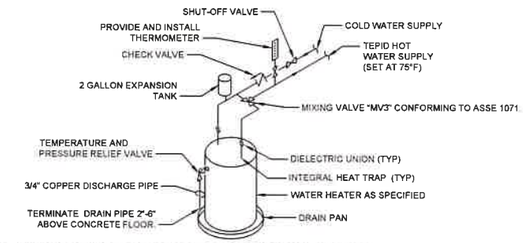
C3 VENT PIPE DETAIL
SCALE: NOT TO SCALE



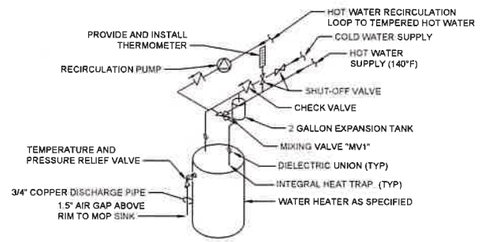
A3 LOCAL MIXING VALVE DETAIL
SCALE: NOT TO SCALE



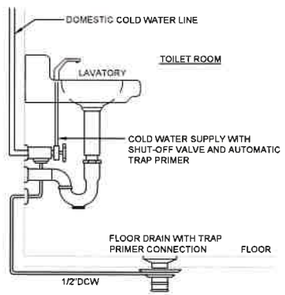
E5 PROPOSED GAS PIPE PAVED TRENCH DETAIL
SCALE: NOT TO SCALE



D5 EMERGENCY SHOWER HOT WATER TANK DETAIL
SCALE: NOT TO SCALE



C5 DOMESTIC HOT WATER DETAIL
SCALE: NOT TO SCALE



NOTE:
1. ALL FLOOR DRAINS SHALL HAVE 1/2" DCW FROM NEAREST LAVATORY.

A5 TRAP PRIMER DETAIL
SCALE: NOT TO SCALE

NUSSBAUMER & CLARKE, INC.
EST. 1933
ENGINEERS AND SURVEYORS

ZETON US PROPERTIES, INC.

PLUMBING DETAIL

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	(VE1) VALUE ENGINEERING 1	1/29/24

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

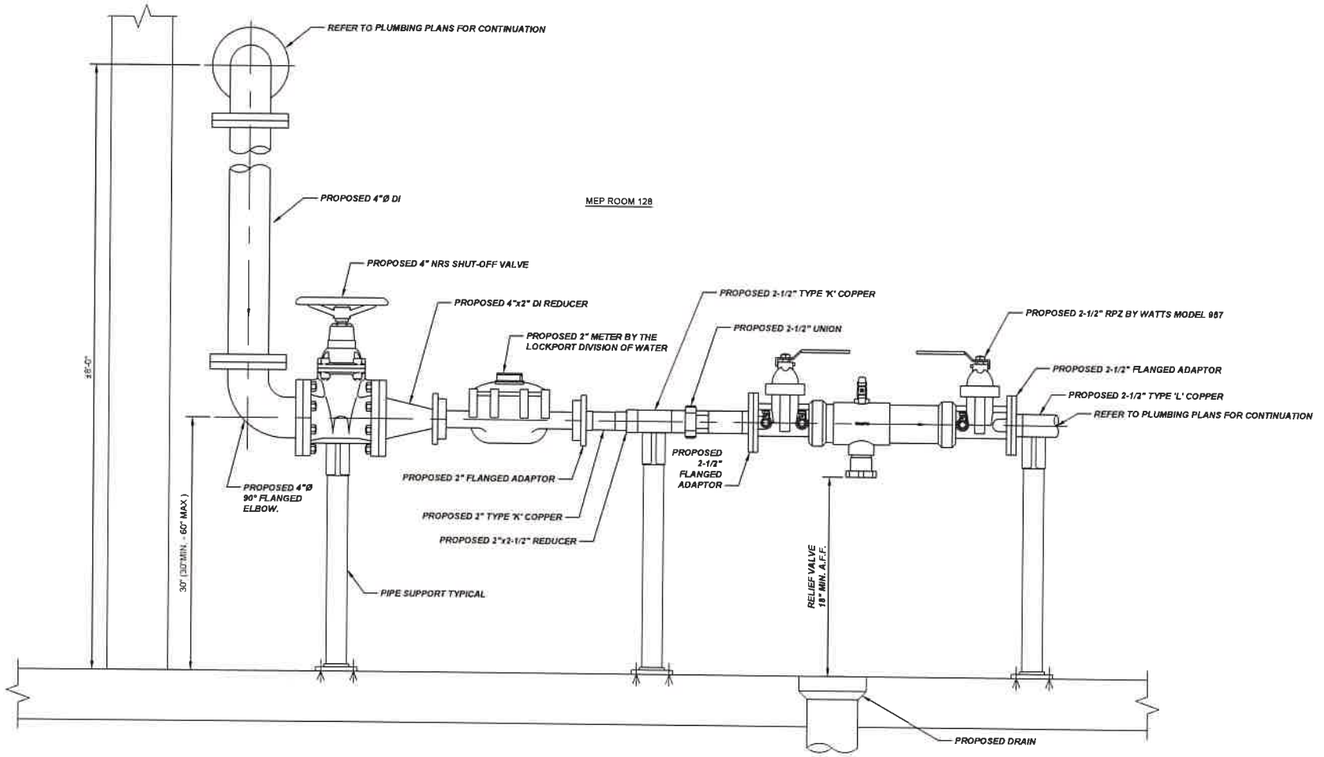
NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0108
DATE	09-22-23
DRAWN BY	DMO
DESIGNED BY	DMO
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	52 OF 70

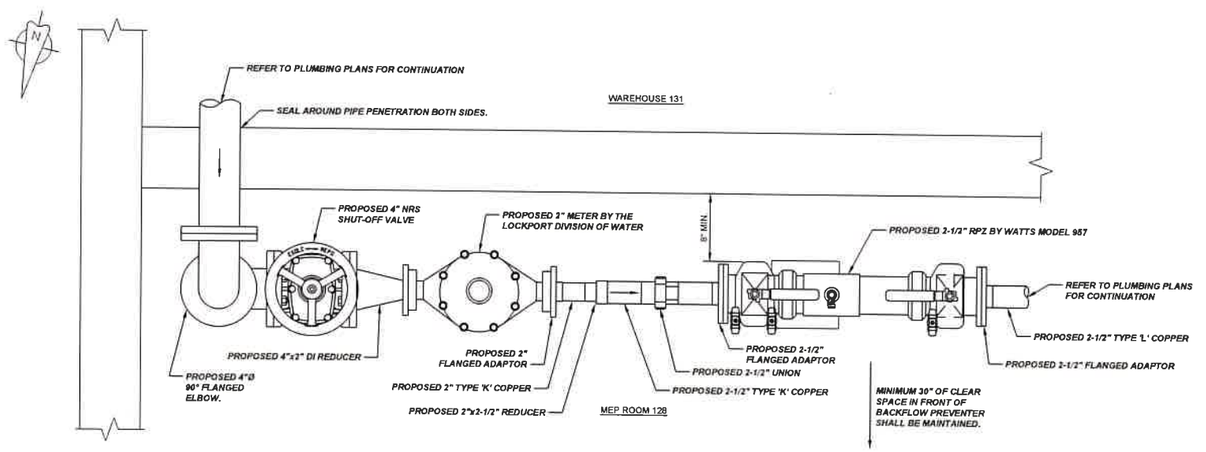
P-501

I:\2022\0106 Zeton\08B Working Dwgs\Discipline\P-Plumbing\P-001 PROPOSED PLUMBING SCHEDULES AND NOTES.dwg 2/12/2024 10:07



C1 BACKFLOW PREVENTER ELEVATION

SCALE: 1-1/2"=1'-0"



A1 BACKFLOW PREVENTER PLAN

SCALE: 1-1/2"=1'-0"

REDUCED PRESSURE ZONE (RPZ) AND DOUBLE CHECK VALVE ASSEMBLY) (DCDA) NOTES:

1. 2-1/2"Ø BACKFLOW PREVENTER SHALL BE WATTS NO. 957 REDUCED PRESSURE ZONE TYPE (RPZ) WITH QUARTER TURN VALVES.
2. THE CONTRACTOR SHALL COMPLY IN ALL RESPECTS TO THE INDUSTRIAL CODE PART (RULE No.) 23 RELATING TO CONSTRUCTION, EXCAVATION, AND DEMOLITION OPERATIONS AT OR NEAR UNDERGROUND FACILITIES, AS ISSUED BY THE STATE OF NEW YORK DEPARTMENT OF LABOR.
3. WATER SERVICE SHALL BE DISINFECTED IN ACCORDANCE WITH LATEST REVISION OF AWWA SPECIFICATION C651.
4. USE VALVES PROVIDED WITH BACKFLOW PREVENTER ASSEMBLY.
5. PROJECT IS NOT IN A 100 YEAR FLOOD ZONE.

MATERIAL SPECIFICATION (REDUCED PRESSURE ZONE)

4 INCH PIPE: (ABOVE GROUND)	FLANGED, DUCTILE IRON, CEMENT LINED WITH GASKETS AWWA C-115, CLASS 53 (UNLESS NOTED OTHERWISE)
≤2-1/2 INCH PIPE: (ABOVE GROUND)	TYPE "K" COPPER UP TO FIRST FITTING DOWNSTREAM OF RPZ, TYPE "L" FROM THE FIRST FITTING DOWNSTREAM OF RPZ. (UNLESS NOTED OTHERWISE)
4 INCH FITTINGS: (ABOVE GROUND)	FLANGED, DUCTILE IRON, CEMENT LINED WITH GASKETS. AWWA C-110 (UNLESS NOTED OTHERWISE)
≤2-1/2 INCH FITTINGS: (ABOVE GROUND)	SOLDERED, THREADED OR PRESS-CONNECT JOINTS (UNLESS NOTED OTHERWISE)
EXPANSION BOLTS:	KWIK BOLT TZ BY HILTI (OR EQUAL), 1/2"Ø MINIMUM.

NUSSBAUMER & CLARKE, INC. EST. 1933 ENGINEERS AND SURVEYORS

ZETON US PROPERTIES, INC.

PLUMBING BACKFLOW PREVENTER DETAIL

REVISIONS

No	DESCRIPTION	DATE
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DATE	09-22-23
DRAWN BY	DMO
DESIGNED BY	DMO
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	53 OF 70

P-502

L:\2022\01106 zeton\Q80 ave bldg 4-bay\Disciplines\P-Plumbing\P-501 PROPOSED PLUMBING SCHEDULES AND NOTES.dwg 10/6/2023 AM 05:54

ROOFTOP HVAC SCHEDULE																
MARK	AREA SERVED	MFG	MODEL	NOMINAL TONS	EER	SUPPLY FAN		OA CFM EACH	GAS HEATER			ELECTRICAL			WEIGHT (LBS)	NOTES/ ACCESSORIES
						CFM	ESP (WG)		INPUT MBH	OUTPUT MBH	EFF%	VOLTAGE/Ø	MCA	MOCP		
RTU-1	OFFICE AREA	TRANE	GBC060A4EMB	5	12	2000	.75	300	115	92	80	460/3	12.9	20	673	1-8,11
RTU-2	OFFICE AREA	TRANE	GCC090A4EHA	10	11.2	4000	1.0	700	250	200	80	460/3	27	35	1525	1-8, 10,11,13
RTU-3	OFFICE AREA	TRANE	GBC060A4EMB	5	12	2000	.75	400	115	92	80	460/3	12.9	20	673	1-8,11
RTU-4	ASSEMBLY AREA	TRANE	GCC120A4ELA	10	11.2	4000	1.0	875	250	200	80	460/3	27	35	1525	1-6, 9,12
RTU-5	ASSEMBLY AREA	TRANE	GCC120A4ELA	10	11.2	4000	1.0	875	250	200	80	460/3	27	35	1525	1-6, 9,12

1. PROVIDE ROOFTOP UNIT WITH 14" INSULATED WIND RATED FACTORY ROOF CURB. SECURE TO ROOF PER MANUFACTURERS INSTRUCTIONS.
2. PROVIDE ECONOMIZER.
3. PROVIDE WITH PROGRAMMABLE THERMOSTAT.
4. INSTALL PER MANUFACTURER SPEC.
5. SINGLE POINT POWER CONNECTION, DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR.
6. HACR CIRCUIT BREAKER FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
7. DUCT DETECTOR WIRED BY ELECTRICAL CONTRACTOR INSTALLED BY MECHANICAL CONTRACTOR.
8. PROVIDE BAROMETRIC RELIEF ON ECONOMIZER.
9. PROVIDE BAROMETRIC RELIEF. INSTALLED ON RETURN DUCT BY CONTRACTOR.
10. PROVIDE AND INSTALL TEMPERATURE SPACE SENSOR. AVERAGE SPACE SENSOR AND THERMOSTAT TO CONTROL RTU.
11. ALL DUCTWORK TO BE BOTTOM CONNECTION.
12. ALL DUCTWORK TO BE SIDE CONNECTION.
13. PROVIDE DEMAND CONTROL VENTILATION.

EXHAUST FAN SCHEDULE											
MARK	AREA SERVED	MFG	MODEL #	FAN			ELECTRICAL			WEIGHT (LBS)	NOTES/ ACCESSORIES
				CFM (TOTAL)	T.S.P. ("WC)	FAN RPM	VOLTAGE/Ø	AMPS (MCA)	MOP		
EF1	RESTROOM'S	GREENHECK	G-098-VG	700	.5	1343	115/1	2.85	15	82	1-3

1. INSTALL PER MANUFACTURER SPEC.
2. CONTROLLED BY PROPOSED TIME CLOCK, FURNISHED BY AND WIRED BY ELECTRICAL CONTRACTOR.
3. PROVIDE GRAVITY BACK DRAFT DAMPER, ROOF CURB, CONTROL FOR DIAL BALANCING, AND DISCONNECT SWITCH.

DESTRATIFICATION FAN SCHEDULE											
MARK	AREA SERVED	MFG	MODEL #	FAN		ELECTRICAL			WEIGHT (LBS)	NOTES/ ACCESSORIES
				CFM (TOTAL)	FAN RPM	VOLTAGE/Ø	AMPS	OPERATING POWER (W)		
DS1	ASSEMBLY AREA	ZOO FANS	H50-AC	1150	1500	115/1Ø	68	77	23	1-3
DS2	ASSEMBLY AREA	ZOO FANS	H50-AC	1150	1500	115/1Ø	68	77	23	1-3
DS3	ASSEMBLY AREA	ZOO FANS	H50-AC	1150	1500	115/1Ø	68	77	23	1-3
DS4	ASSEMBLY AREA	ZOO FANS	H50-AC	1150	1500	115/1Ø	68	77	23	1-3
DS5	ASSEMBLY AREA	ZOO FANS	H50-AC	1150	1500	115/1Ø	68	77	23	1-3
DS6	ASSEMBLY AREA	ZOO FANS	H50-AC	1150	1500	115/1Ø	68	77	23	1-3

1. INSTALL PER MANUFACTURER SPEC.
2. CONTROLLED BY TOGGLE SWITCH, FURNISHED, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.
3. PROVIDE MOUNTING HARDWARE, SAFETY CABLE, AND TETHER.

SPLIT SYSTEM CONDENSING "OUTDOOR" UNIT SCHEDULE										
MARK	MFG.	MODEL #	TONS	HEAT PUMP SERVES	COOLING CAPACITY (MBH)	HEATING CAPACITY @ 5°F (MBH)	ELECTRICAL		WEIGHT (LBS)	NOTES/ ACCESSORIES
							VOLTAGE/Ø	MCA		
CON-1	MITSUBISHI	NTXSKH09A112AA	0.75	HP-1	9	11	208/1Ø	14	148	1-5
CON-2	MITSUBISHI	TRUYA0121KA70NA	1.0	HP-2	12	NA	208/1Ø	12	103	1-5

1. INSTALL PER MANUFACTURER SPEC.
2. INSTALL ON ROOF WITH 18" STAND PROVIDED BY MANUFACTURER. COORDINATE MOUNTING WITH ROOFING CONTRACTOR AND MANUFACTURERS INSTRUCTIONS.
3. COORDINATE POWER WITH ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DISCONNECT SWITCH.
4. CONTRACTOR SHALL PROVIDE AND INSTALL ALL LINE SETS AND WIRING PER MANUFACTURERS INSTRUCTIONS.
5. PROVIDE AND INSTALL ADVANCED WIND BAFFLE FOR OPERATING IN LOW AMBIENT TEMPERATURES.

SPLIT SYSTEM HEAT PUMP "INDOOR" UNIT SCHEDULE												
MARK	MFG.	MODEL #	TYPE	SERVICE AREA	CFM	CFM (OA)	CAPACITY COOLING BTUH	CAPACITY HEATING BTUH	VOLTAGE VOLTS	MCA AMPS	WEIGHT (LBS)	NOTES
HP-1	MITSUBISHI	NTXGKS09A112AA	DUCTED OA	ASSEMBLY OFFICE 130	300	11	9,000	11,000	FED FROM CON-1	FED FROM CON-1	31	1-6
HP-2	MITSUBISHI	TPLA0A0121EA70A	DUCTLESS	SERVER ROOM 109	420	NA	12,000	NA	FED FROM CON-2	FED FROM CON-2	46	1-6

1. INSTALL PER MANUFACTURER SPEC.
2. ALL EQUIPMENT 120 VOLT AND GREATER SHALL BE WIRED BY ELECTRICAL CONTRACTOR. ALL EQUIPMENT LESS THEN 120 VOLT SHALL BE WIRED BY MECHANICAL CONTRACTOR.
3. ALL CONTROL WIRING PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.
4. CONTRACTOR TO PROVIDE, INSTALL, AND WIRE , WIRED REMOTE CONTROLLER BY MITSUBISHI.
5. PROVIDE HIGH EFFICIENCY FILTER ELEMENT.
6. PROVIDE CONDENSATE PUMP.

UNIT HEATER SCHEDULE (ELECTRIC)									
MARK	MFG.	MODEL #	HEATING CAPACITY (WATTS)	CFM	ELECTRICAL			WEIGHT (LBS)	NOTES/ ACCESSORIES
					VOLTAGE/Ø	FLA	MOCP		
UH-1	REZNOR	EGHB	2,000	510	208/1Ø	9.6	20	45	1-3

1. PROVIDE DISCONNECT SWITCH.
2. PROVIDE EXTERNAL LOW VOLTAGE THERMOSTAT INSTALLED AT +48" A.F.F. (SETPOINT: 50°F)
3. MOUNTING HEIGHT: ±7'-6" A.F.F.

WALL HEATER SCHEDULE (ELECTRIC)									
MARK	MFG.	MODEL #	HEATING CAPACITY (WATTS)	CFM	ELECTRICAL			DIMENSIONS (LxWxD) INCHES	NOTES/ ACCESSORIES
					VOLTAGE/Ø	FLA	MOCP		
WH-1	Q-MARK	CWH3508 3F	4,800	100	208/3Ø	13.4	20	20x16x5	1-3
WH-2	Q-MARK	CWH3150F	1,500	100	120/1Ø	12.5	20	20x16x5	1-3

1. PROVIDE DISCONNECT SWITCH CONCEALED BEHIND COVER.
2. PROVIDE 2" DEEP SURFACE MOUNTING FRAME FOR SEMI RECESSED INSTALLATION.
3. INTEGRAL THERMOSTAT.

MECHANICAL NOTES:

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NECESSARY FOR A COMPLETE MECHANICAL SYSTEM AS SHOWN, CLEANED, TESTED, FULLY OPERATIONAL AND READY TO USE.
2. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE APPLICABLE MECHANICAL CODE AND STANDARDS, NFPA, ADA, OSHA, AND ALL LOCAL CODES WITH AUTHORITY HAVING JURISDICTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSPECTIONS, INCLUDING ASSOCIATED COSTS.
4. ALL SYSTEMS SHALL BE TESTED AND BALANCED BY A NEBB CERTIFIED CONTRACTOR FOLLOWING THE GUIDELINES SET FORTH BY NEBB PRIOR TO ACCEPTANCE.
5. ALL MATERIAL SHALL BE NEW AND UNUSED, UNLESS OTHERWISE NOTED.
6. COORDINATE ALL WALL PENETRATIONS WITH OWNER, AND ALL TRADES.
7. THE CONTRACTOR IS TO FURNISH AND INSTALL ALL LOW VOLTAGE TEMPERATURE CONTROL WIRING, AND WALL MOUNT THERMOSTAT(S) AND/OR SENSOR(S).
8. CEILING SUPPORT SYSTEMS ARE NOT DESIGNED TO SUPPORT THE WEIGHT OF DUCTWORK AND PIPING. ALL DUCTWORK AND PIPING TO BE SUPPORTED FROM THE BASE BUILDING STRUCTURE.
9. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE SIZE AND GENERAL ARRANGEMENT OF PIPING, EQUIPMENT, ETC. EXACT LOCATIONS AND ROUTINGS SHALL BE DETERMINED IN THE FIELD BEFORE AND AS THE WORK PROGRESSES. CAREFULLY COORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES.
10. DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATION, ETC. WHICH MAY BE REQUIRED BY ACTUAL FIELD CONDITIONS. THE CONTRACTOR IS TO FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION AND MAKE SUCH CHANGES IN PIPING, EQUIPMENT LOCATIONS, ETC. AS NECESSARY TO ACCOMMODATE FIELD CONDITIONS. COORDINATE ALL CHANGES WITH OTHER TRADES AND OWNER.
11. DURING THE INSTALLATION OF THIS PROJECT SPECIAL CARE SHOULD BE TAKEN TO CONSIDER SOUND AND VIBRATION ISOLATION. THE INTENT IS A QUIET OPERATIONAL SYSTEM.
12. FABRICATED DUCTWORK AND FITTINGS SHALL BE GALVANIZED AND FABRICATED ACCORDING TO SMACNA STANDARDS. (SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION).
13. ALL SUPPLY AND RETURN AIR DUCTWORK TO BE ROUTED THROUGH AND BETWEEN THE ROOF TRUSSES.
14. ALL FLEXIBLE DUCTWORK SHALL BE INSULATED, LEAK FREE, INSTALLED TIGHTLY AND FREE OF KINKS. FLEXIBLE DUCT CONNECTIONS SHALL BE TIGHT, FREE OF LEAKS AND DOUBLE STRAPPED (ONE STRAP OVER THE INNER DUCT AND ONE STRAP OVER THE INSULATION). THE FLEXIBLE DUCT SHALL BE INSTALLED IN A MANNER NOT TO INTERFERE WITH THE VOLUME DAMPERS OR ANY DEVICES, FLEXIBLE DUCT SHALL BE NO MORE THAN 8 FEET IN LENGTH.
15. ALL CUTTING AND PATCHING OF BUILDING COMPONENTS REQUIRED TO ACCOMMODATE THE WORK OF THIS CONTRACT SHALL BE THE RESPONSIBILITY OF THIS CONTRACT. ALL PATCHING SHALL MATCH THE EXISTING COMPONENTS AND FINISHES. CUTTING AND PATCHING WORK SHALL BE PERFORMED BY PERSONNEL TRAINED AND REGULARLY EMPLOYED FOR SUCH SERVICES.
16. CONTRACTOR TO PERFORM A COMPLETE NEBB CERTIFIED AIR BALANCE OF THE SYSTEMS. PROVIDE REPORT TO ENGINEER FOR REVIEW UPON COMPLETION.
17. ALL PIPING PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, ETC. SHALL BE CAULKED AND SEALED.

SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
TX	PROPOSED PROGRAMMABLE THERMOSTAT. MOUNT AT 48" A.F.F. COORDINATE LOCATION WITH PLANS. "X" DENOTES RTU#
SX	PROPOSED TEMPERATURE SPACE SENSOR. MOUNT AT 48" A.F.F. COORDINATE LOCATION WITH PLANS. "X" DENOTES RTU#
	EXHAUST GRILLE
150 CFM 8"Ø	INSTALL 4 WAY DIFFUSER WITH DAMPER. CFM IS AIR FLOW, X"Ø IS NECK SIZE AND BRANCH DUCT SIZE.
R	INSTALL RETURN GRILLE
	RETURN AIR DUCT DOWN
	SUPPLY AIR DUCT DOWN
	ELECTRIC UNIT HEATER
	DUCT TRANSITION
00x00	PROPOSED DUCTWORK TO BE INSTALLED. 00x00 = WIDTH X HEIGHT
XX"ØL	PROPOSED SPIRAL DUCT TO BE INSTALLED. XX" INSIDE DIAMETER, L- LINED.

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ZETON US PROPERTIES, INC.

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MECHANICAL SCHEDULES AND NOTES

REVISIONS

rev.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

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CERTIFICATE NO. 027

NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

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PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	DMO
DESIGNED BY	DMO
CHECKED BY	—
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	54 OF 70

M-001

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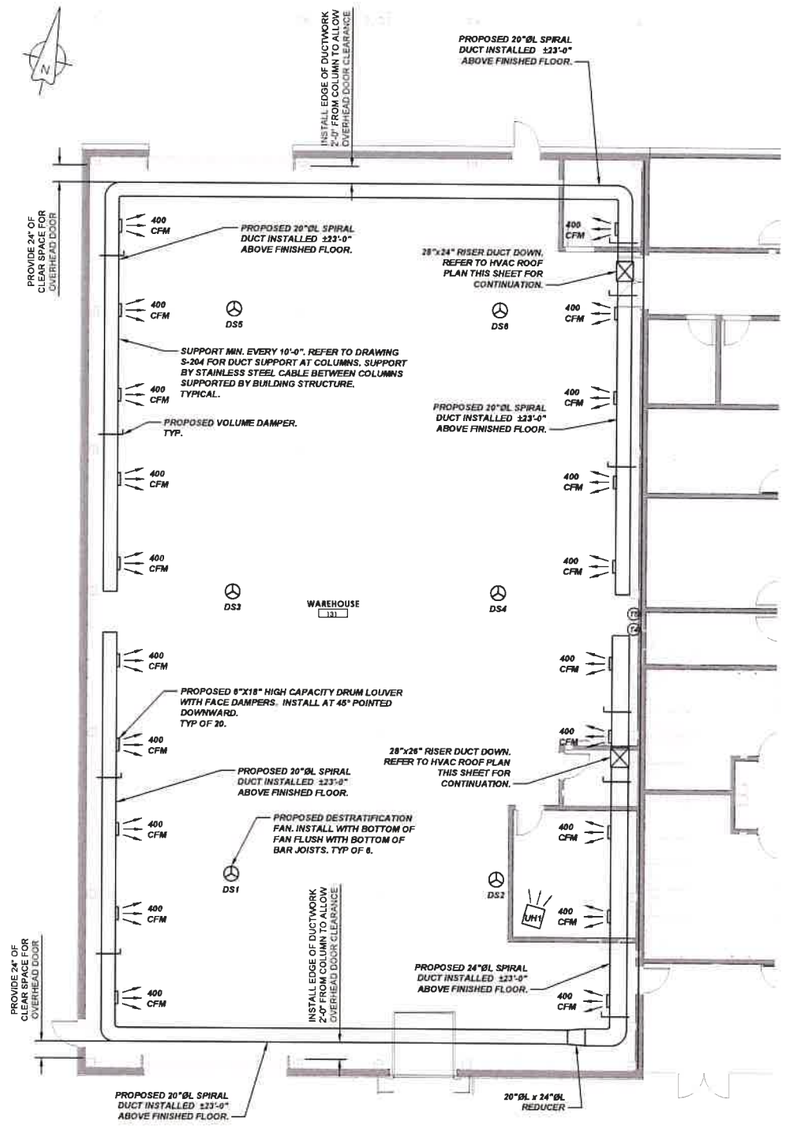
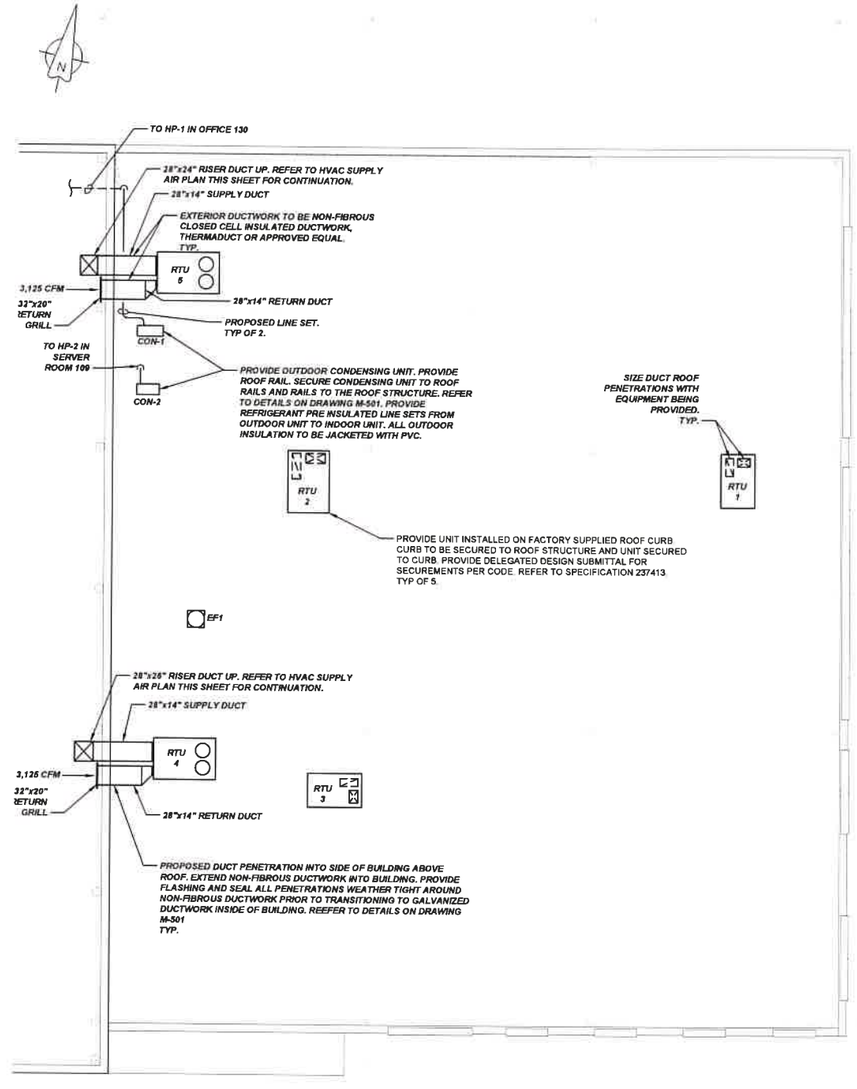


A1 HVAC SUPPLY AIR PLAN
SCALE: 1/8" = 1'-0"



A3 HVAC ROOF PLAN
SCALE: 1/8" = 1'-0"

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MECHANICAL PROPOSED ASSEMBLY AREA AND ROOF HVAC PLAN

REVISIONS

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PROJECT NUMBER	22J1-0108
DATE	09-22-23
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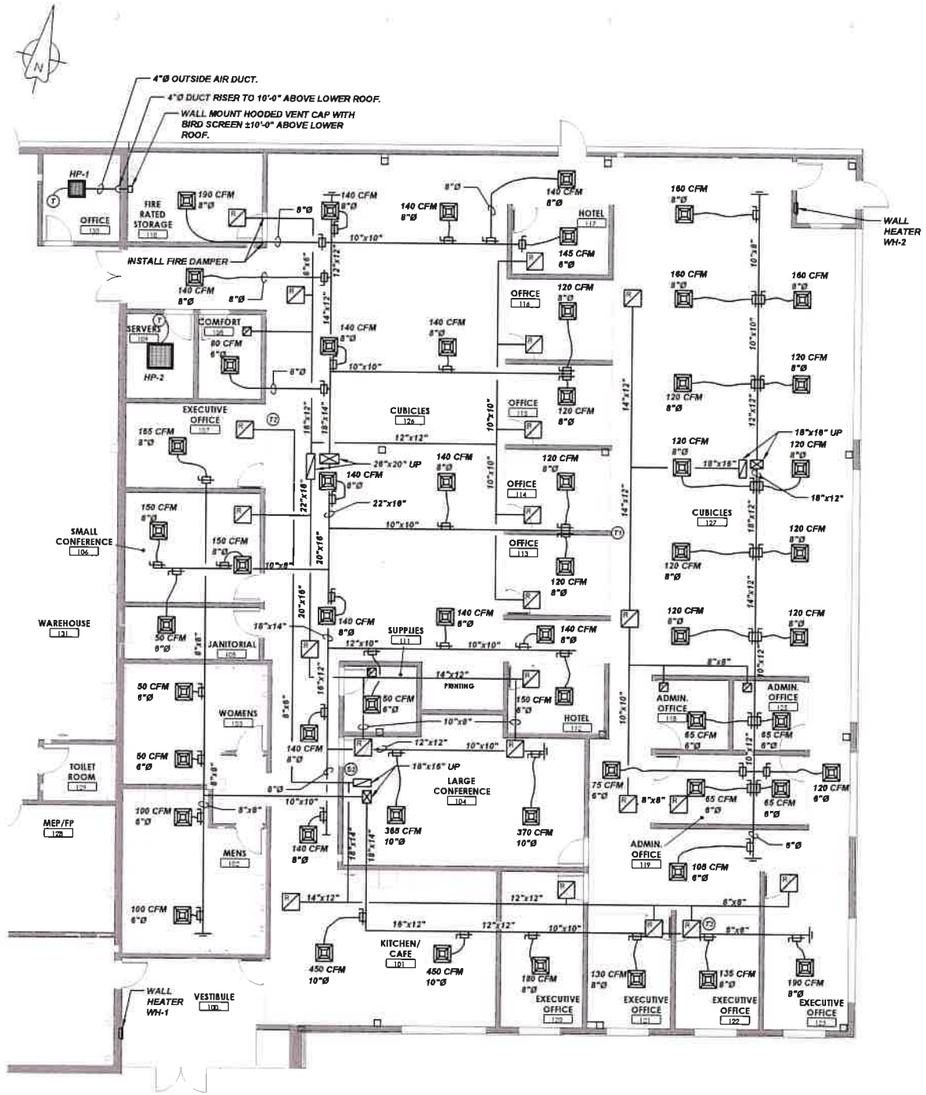
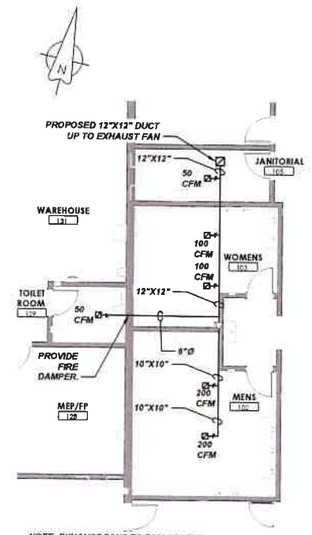
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	55 OF 70

M-101

\\2022\22J108 zeton\08b working dwgs\Disciplines\M-Mechanical\M-501 MECHANICAL DETAILS.dwg 10/6/2023 ABASSTA



A1 HVAC PLAN
SCALE: 1/8" = 1'-0"



NOTE: EXHAUST FANS TO RUN CONTINUOUSLY DURING WORK.

A4 HVAC EXHAUST PLAN
SCALE: 1/8" = 1'-0"

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MECHANICAL PROPOSED OFFICE HVAC PLAN

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PROJECT NUMBER	22J1-0106
DATE	09-22-23
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DESIGNED BY	DMO
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SCALE:	AS NOTED
	= 1 INCH
SHEET No.	56 OF 70

M-102

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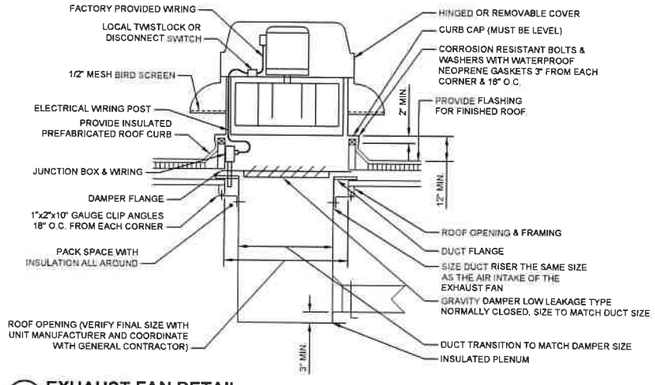
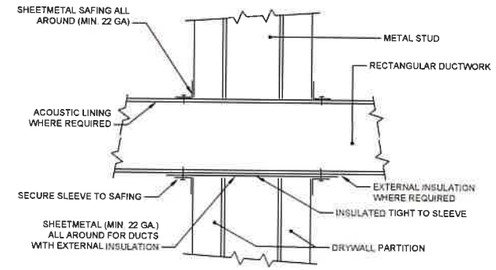
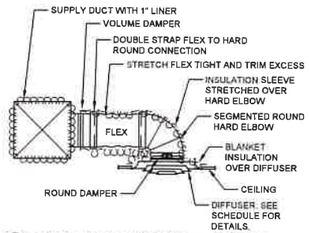


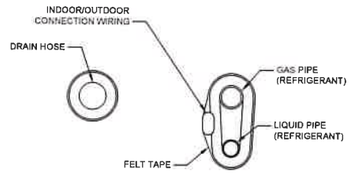
D1 EXHAUST FAN DETAIL
SCALE: NOT TO SCALE



D3 DUCT PENETRATION THRU NON FIRE RATED WALL
SCALE: NOT TO SCALE



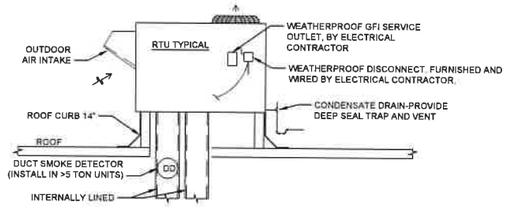
C1 DUCT TO DIFFUSER DETAIL
SCALE: NOT TO SCALE



NOTES FOR SPLIT SYSTEMS:

1. PROPOSED INDOOR UNIT AS PER SCHEDULE.
2. PROPOSED DRAIN HOSE TO BE INSTALLED. DRAIN SHALL BE PVC TUBE. ARRANGE AT UNDERSIDE OF PIPING, WRAP WITH FELT TAPE AND MAINTAIN DOWNWARD SLOPE OF AT LEAST 1/100. DRAIN TUBE SHALL BE RUN ABOVE CEILING. MECHANICAL CONTRACTOR TO SUPPLY AND INSTALL PUMP KIT AS REQUIRED.
3. PROPOSED OUTDOOR UNIT AS PER SCHEDULE. CONTRACTOR TO SUPPLY MANUFACTURER PLATFORM STANDS DSD-400N OR APPROVED EQUAL. UNIT SHALL BE INSTALLED 12" FROM EXTERIOR WALL.
4. CONTRACTOR TO SUPPLY AND INSTALL LINE-HIDE ON ANY EXTERIOR OR INTERIOR EXPOSED PIPING AS PER MANUFACTURERS SPECIFICATIONS.
5. PROPOSED R410A REFRIGERANT PIPING. CONTRACTOR TO PROVIDE EITHER DIAMOND BACK LINESETS OR REFRIGERANT GRADE COPPER PIPE ABOVE CEILING. CONTRACTOR TO PROVIDE 1/2" INSULATION ON COPPER PIPE. PIPING MAXIMUM LENGTH OF 100'.
6. SIZE PIPING AS PER MANUFACTURER SPECIFICATIONS.

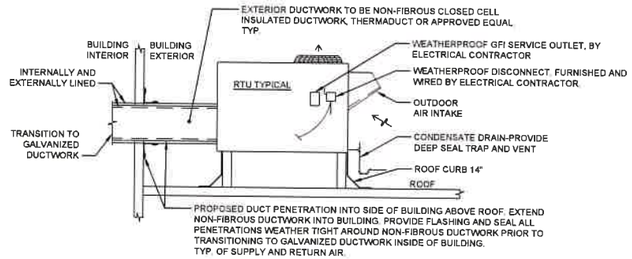
C3 SPLIT SYSTEM REFRIGERATION AND DRAINAGE
SCALE: NOT TO SCALE



MECHANICAL CONTRACTOR SHALL PROVIDE ROOF OPENING AND SET ROOF FLASHING/CURB AS NOT TO VOID ROOF WARRANTY.

ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL:
- DISCONNECT SWITCH FURNISHED WITH EQUIPMENT. FIELD COORDINATE WITH MECHANICAL EQUIPMENT INSTALLER.
- HACR TYPE CIRCUIT BREAKER.
- WEATHERPROOF, GFCI TYPE MAINTENANCE RECEPTACLE AT UNIT.
- DUCT DETECTOR FAN SHUTDOWN RELAY IF REQUIRED. WIRE TO MAIN BUILDING FIRE ALARM CONTROL PANEL, AS FIELD REQUIRED.

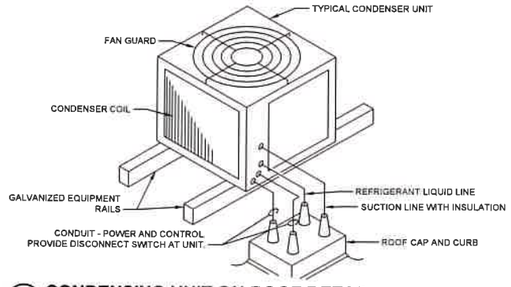
A1 RTU DETAIL (BOTTOM CONNECTIONS)
SCALE: NOT TO SCALE



MECHANICAL CONTRACTOR:
- PROVIDE ROOF CURB AND INSTALL AS NOT TO VOID ROOF WARRANTY
- PROVIDE WALL OPENING AND FLASHING.

ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL:
- DISCONNECT SWITCH FURNISHED WITH EQUIPMENT. FIELD COORDINATE WITH MECHANICAL EQUIPMENT INSTALLER.
- HACR TYPE CIRCUIT BREAKER.
- WEATHERPROOF, GFCI TYPE MAINTENANCE RECEPTACLE AT UNIT.

A3 RTU DETAIL (SIDE CONNECTIONS)
SCALE: NOT TO SCALE



A5 CONDENSING UNIT ON ROOF DETAIL
SCALE: NOT TO SCALE

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MECHANICAL DETAILS

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/22

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DATE	09-22-23
DRAWN BY	DMO
DESIGNED BY	DMO
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SCALE:	AS NOTED
	= 1 INCH
SHEET No.	57 OF 70

M-501

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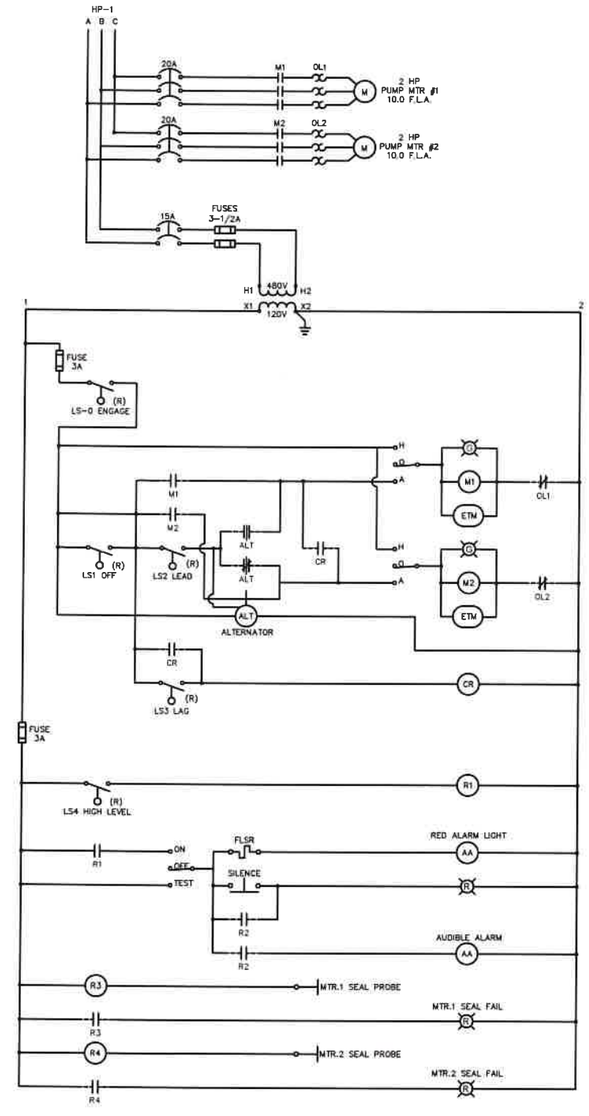
SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
S	PROPOSED 120/277V, 20A, GROUNDING TYPE, TOGGLE SWITCH TO BE INSTALLED, MOUNT @ +42" A.F.F.
S03	PROPOSED 120/277V, 20A, GROUNDING TYPE, DIMMING TOGGLE SWITCH TO BE INSTALLED, MOUNT @ +42" A.F.F.
S02a,b	PROPOSED 120/277V, 20A, GROUNDING TYPE, TWO GANG DIMMING TOGGLE SWITCH TO BE INSTALLED, MOUNT @ +42" A.F.F.
S03a,b,c	PROPOSED 120/277V, 20A, GROUNDING TYPE, THREE GANG TOGGLE SWITCH TO BE INSTALLED, MOUNT @ +42" A.F.F.
	PROPOSED DUPLEX 120 VOLT, 20 AMP RECEPTACLE TO BE INSTALLED, MOUNTED @ +18" A.F.F.
	PROPOSED DUPLEX 120 VOLT, 20 AMP GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE TO BE INSTALLED, MOUNTED @ +18" A.F.F.
	PROPOSED QUADRUPLEX 120 VOLT, 20 AMP RECEPTACLE TO BE INSTALLED, MOUNTED @ +18" A.F.F.
	PROPOSED ELECTRICAL PANELBOARD TO BE INSTALLED.
F	PROPOSED FAN MOTOR TO BE INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR. REFER TO MECHANICAL AND/OR HVAC SHEETS FOR ADDITIONAL INFORMATION.
	PROPOSED MOTOR TO BE INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR. REFER TO MECHANICAL AND/OR HVAC SHEETS FOR ADDITIONAL INFORMATION.
	INDICATES 120 VAC SINGLE PHASE HOME RUN.
	INDICATES 208 VAC SINGLE PHASE HOME RUN.
	INDICATES 208 VAC THREE PHASE HOME RUN.
	INDICATES 277 VAC SINGLE PHASE HOME RUN.
	INDICATES 480 VAC SINGLE PHASE HOME RUN.
	INDICATES 480 VAC THREE PHASE HOME RUN.
+42"	MOUNTING HEIGHT OF DEVICE A.F.F.
A.F.F.	ABOVE FINISHED FLOOR.
NL	INDICATES NIGHT LIGHT.
WP	PROPOSED WEATHER PROOF PROTECTION, PROVIDE IN-USE COVER FOR RECPTACLES.
T	PROPOSED TRANSFORMER TO BE INSTALLED.
M	PROPOSED METER AND METER SOCKET TO BE INSTALLED.
	COMMUNICATIONS/DATA. PROVIDE 4"x4" J-BOX +18" A.F.F. WITH A 1" CONDUIT 6" ABOVE ABOVE FINISHED CEILING.
JB	PROPOSED JUNCTION BOX TO BE INSTALLED.
JB	PROPOSED JUNCTION BOX TO BE INSTALLED ABOVE THE CEILING.
JB	PROPOSED JUNCTION BOX TO BE INSTALLED IN FINISHED FLOOR.
OS	PROPOSED OCCUPANCY SENSOR TO BE INSTALLED IN CEILING. (HONEYWELL IS3050A)
So	PROPOSED OCCUPANCY SENSOR SWITCH TO BE INSTALLED.
DC	PROPOSED DOOR CONTACT TO BE INSTALLED.
CR	PROPOSED SECURITY CARD READER TO BE INSTALLED (BRIVO B-BSMF-B)
ES	PROPOSED ELECTRIC DOOR STRIKE TO BE INSTALLED.
DS	PROPOSED DAYLIGHT SENSOR TO BE INSTALLED.
MS	PROPOSED MOTION SENSOR TO BE INSTALLED.
	PROPOSED 277/480V FUSED AC DISCONNECT TO BE INSTALLED.
	PROPOSED 120/208V FUSED AC DISCONNECT TO BE INSTALLED.
	PROPOSED 120/208V NON-FUSED AC DISCONNECT TO BE INSTALLED.
	PROPOSED SECURITY CAMERA TO BE INSTALLED.
	PROPOSED HOT WATER TANK TO BE INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR. REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
	PROPOSED RECIRCULATION PUMP TO BE INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR. REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
	PROPOSED 120 VOLT, 30 AMP RECEPTACLE TO BE INSTALLED, MOUNTED IN CEILING.
PM	PROPOSED LIGHTING CONTROLLER POWER MODULE.
LC-#	PROPOSED LIGHTING CONTROLLER.
	PROPOSED ELECTRIC UNIT HEATER.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	LAMP	MOUNTING
A	1'x2', HIGH BAY LENSED RECESSED LED	LITHONIA LIGHTING CPHB 30000LM SEF GCL WD MVOLT GZ10 35K 80CRI HC36	210W, LED	MOUNT +35' AFF
B	2'x2', RECESSED CENTER ELEMENT LED	LITHONIA LIGHTING STAKP 2X2 5000LM 80CRI 35K COL MVOLT	39W, LED	RECESSED
B1	2'x2', RECESSED CENTER ELEMENT LED	LITHONIA LIGHTING CPX 2X2 4000LM 80 CRI 35K COL MVOLT DGA22	37W, LED	RECESSED
C	RECESSED CAN WITH DIFFUSE REFLECTOR	LITHONIA LIGHTING LDN6 35/10 LO6 AR LD MVOLT EZ1	10.5W, LED	RECESSED
F	2'X8' HANGING LAMP WITH 3 LED BARS	LITHONIA LIGHTING LBK 2FT 3 5000LM 80CRI 35K MINID ZT MVOLT	38W, LED	CHAIN HUNG +9' AFF
G	2'x2', RECESSED CENTER ELEMENT LED	LITHONIA LIGHTING STAKP 2X2 5000LM 80CRI 35K COL MINI EZT MVOLT	39W, LED	RECESSED
				1
H1	LED DIE CAST ALUMINUM AREA LIGHT, TYPE III WIDE DISTRIBUTION, PHOTOEYE, DARK BRONZE POWDER COAT FINISH AND 25' SQUARE STRAIT STEEL POLE, 0.188" THICK, DARK BRONZE, WITH GFCI RECEPTACLE MOUNTED AT 1' ABOVE BASE. COORDINATE CAMERA MOUNTING REQUIREMENTS 2 AT 180° (0° AND 180°) AT 15' ABOVE BASE	LITHONIA LIGHTING RSX2 LED P5 40K R3 MVOLT SPA PER7 DDBXD POLE SSS 25 4G DM28 DDB	427W, DUAL LAMP LED	2 HEAD @ 180°
J	LED DIE CAST ALUMINUM AREA LIGHT, TYPE IV WIDE DISTRIBUTION, PHOTOEYE, DARK BRONZE POWDER COAT FINISH AND 25' SQUARE STRAIT STEEL POLE, 0.188" THICK, DARK BRONZE	LITHONIA LIGHTING RSX2 LED P5 40K R3 MVOLT SPA PER7 DDBXD POLE SSS 25 4G DM28 DDB	427W, DUAL LAMP LED	2 HEAD @ 180°
				1
K	LED DIE CAST ALUMINUM AREA LIGHT, TYPE II WIDE DISTRIBUTION, PHOTOEYE, AND HOUSE SHIELD DARK BRONZE POWDER COAT FINISH AND 25' SQUARE STRAIT STEEL POLE, 0.188" THICK, DARK BRONZE	LITHONIA LIGHTING RSX2 LED P5 40K R3 MVOLT SPA PER7 DDBXD POLE SSS 25 4G DM19 DDB	214W, LED LAMP	1 HEAD
				1
M	EMERGENCY LIGHTING UNIT (90 MIN. MINIMUM)	LITHONIA LIGHTING ELM2L LED	4.6W LED	WALL MOUNT +8' AFF
M1	EMERGENCY LIGHTING UNIT (90 MIN. MINIMUM)	LITHONIA LIGHTING ELM4L LED	6.6W LED	WALL MOUNT +15' AFF
N	EMERGENCY EXIT SIGN (90 MIN. MINIMUM) WITH REMOTE WEATHERPROOF EXTERIOR EGRESS HEADS	LITHONIA LIGHTING RSX2 LED P5 40K R2 HS	12W, MR16	WALL MOUNT +12' MANUFACTURING AFF, +8' OFFICE AFF
O	DELETED	DELETED	DELETED	DELETED
P	DELETED	DELETED	DELETED	DELETED
P1	PROPOSED EXTERIOR WALL SCONCE 36"	WAC LIGHTING - REVELS WS-W13336-3500K-BK-17W-400-256	17W LED BUILDING WALL LIGHTING	WALL MOUNT PER ARCHITECTURAL DETAILS
Q	INTERIOR LED STRIP LIGHT	EXTANT LIGHTING	78W STRIP LIGHT	RECESSED IN CEILING, NO TRIM
R	INTERIOR LED STRIP LIGHT	EXTANT LIGHTING	78W STRIP LIGHT	RECESSED IN CEILING, NO TRIM
S	EXTERIOR RGB LED STRIP LIGHT	DIODE LED, NEON BLAZE DI-24V-SE-NBL4-RGB-16	4.4W/FT	REFER TO ARCHITECTURAL DETAILS
T	PROPOSED EXTERIOR FRONT DOOR WALL SCONCE 72"	WAC LIGHTING - REVELS WS-W13372-3500K-BK-26W-850-647	26W LED BUILDING WALL LIGHTING	WALL MOUNT PER ARCHITECTURAL DETAILS
W1	DIE CAST ALUMINUM, ACRYLIC LENS, IP65, DARK BRONZE WALL PACK	LITHONIA LIGHTING WEDG3 LED P4 MVOLT PE DDBXD 80CRI R4 40K	19W, EXTERIOR DOWNLIGHT	WALL MOUNT +10' AFG
W2	DIE CAST ALUMINUM, ACRYLIC LENS, IP65, DARK BRONZE WALL PACK	LITHONIA LIGHTING WEDG2 LED P2 40K 80CRI T4M MVOLT SRM DDBXD	19W, EXTERIOR DOWNLIGHT	WALL MOUNT +15' AFG

1. COORDINATE FIXTURE COLORS/FINISHES WITH ARCHITECT PRIOR TO ORDERING.
2. PROVIDE LAMPS FOR ALL LIGHTING FIXTURES.



A5 PROPOSED GRINDER PUMP WIRING AND CONTROL DIAGRAM
SCALE: NTS

PROPOSED CONDUIT AND WIRE SCHEDULE (CONTROL)

CONDUIT NO.	CONDUIT SIZE	WIRE/CABLE QTY/PAIRS	WIRE/CABLE SIZE	FROM	TO	NOTES
C-101	3" PVC	-	-	SERVICE RISER POLE	STUB UP IN MAIN ELECTRICAL ROOM	SPARE WITH PULL WIRE
C-102	3" PVC	-	-	SERVICE RISER POLE	STUB UP IN MAIN ELECTRICAL ROOM	SPARE WITH PULL WIRE
C-103	3" PVC	-	-	STUB UP IN MAIN ELECTRICAL ROOM	STUB UP IN SERVER ROOM	SPARE WITH PULL WIRE
C-104	3" PVC	-	-	STUB UP IN MAIN ELECTRICAL ROOM	STUB UP IN SERVER ROOM	SPARE WITH PULL WIRE
C-105	3" PVC	-	-	STUB UP IN SERVER ROOM	TO 5'-0" PAST NORTH EXTERIOR WALL	SPARE WITH PULL WIRE
C-106	3" PVC	-	-	STUB UP IN SERVER ROOM	TO 5'-0" PAST NORTH EXTERIOR WALL	SPARE WITH PULL WIRE
C-107	1" PVC	-	-	SERVER ROOM	LIGHTING STANDARD FOR PARKING LOT CAMERAS	CAT-6
C-108a	2" PVC	14	#14	GRINDER PUMP CONTROL PANEL	GRINDER PUMP HAND HOLE (FLOAT AND MTR. HEAT)	TWISTED SHIELDED PAIR
C-108b	2" PVC	2	TSP	GRINDER PUMP CONTROL PANEL	GRINDER PUMP HAND HOLE (MTR. SEAL PROBES)	TWISTED SHIELDED PAIR
C-109a	2" PVC	14	#14	GRINDER PUMP HAND HOLE (FLOAT AND MTR. HEAT)	FLOATS AND MOTOR HEAT CONTACT	TWISTED SHIELDED PAIR
C-109b	2" PVC	2	TSP	GRINDER PUMP HAND HOLE (MTR. SEAL PROBES)	MOTOR SEAL PROBES	TWISTED SHIELDED PAIR

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ELECTRICAL PROPOSED LIGHTING AND SYMBOL SCHEDULE

PB ADDENDUM NO. 2 12/27/23

REVISIONS		
No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	PB ADDENDUM NO. 2	12/27/23
2	(VE1) VALUE ENGINEERING 1	2/13/24

NUSSBAUMER & CLARKE, INC.
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CERTIFICATE NO. 577
NUSSBAUMER AND CLARKE, INC. INCORPORATED 1952 SEAL BUFFALO, N.Y.
UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	ASB
DESIGNED BY	JEZ
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE	AS NOTED
	= 1 INCH
SHEET No.	58 OF 70

E-001

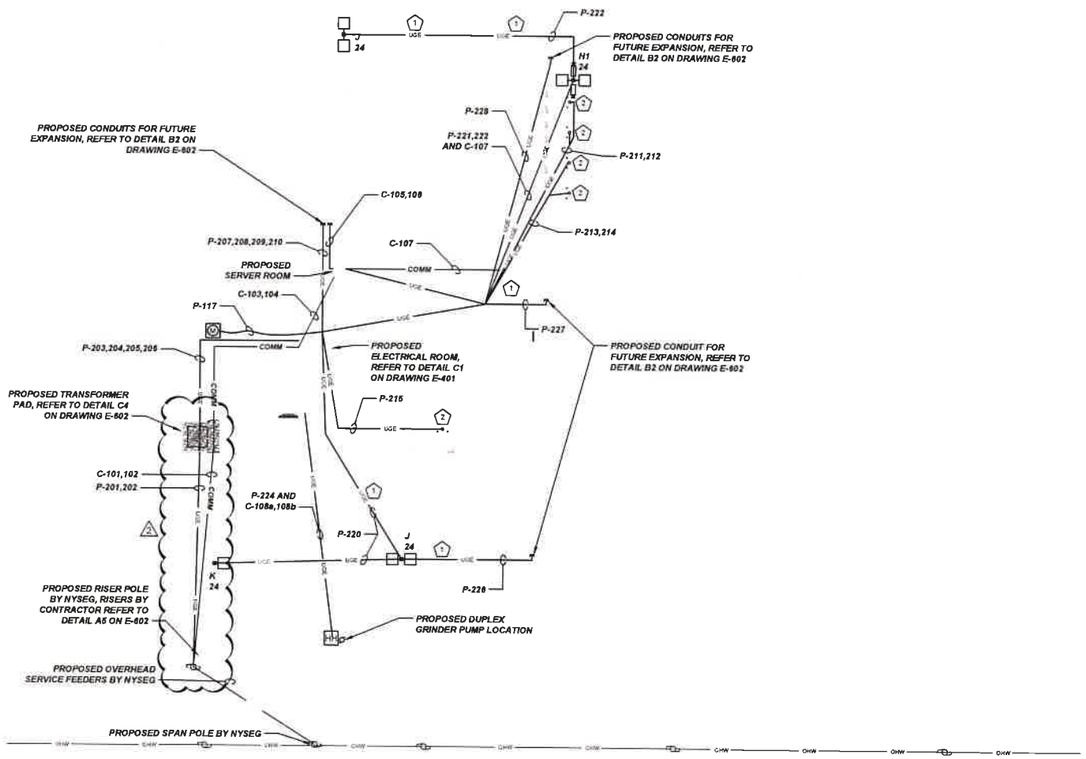
\\2022\0106 24\on\Obs working dwgs\Disciplines\E-Electrical\E-101 ELECTRICAL PROPOSED POWER PLAN.dwg 2/14/2024 4:48:55 PM

GENERAL NOTES:

1. REFER TO DRAWING E-601 FOR PROPOSED CONDUIT AND WIRE SCHEDULES.
2. REFER TO DRAWING E-900 FOR LIGHTING FIXTURE SCHEDULE
3. REFER TO DRAWING E-600 FOR SYMBOL SCHEDULE
4. REFER TO DETAIL B1 ON DRAWING E-602 FOR LIGHT POLE BASE

KEYED NOTES: (X)

1. ALL CONDUITS INSTALLED UNDER PAVED AREAS TO BE CONCRETE ENCASED TO 5' PAST EDGE OF PAVEMENT. REFER TO DETAIL A2 ON DRAWING E-602
2. PROPOSED EV CHARGE STATION LOCATION REFER TO DETAIL C2 ON DRAWING E-602
3. NOT USED



A1 PROPOSED ELECTRICAL SITE PLAN (FOOT CANDLE LEVELS)

SCALE: 1" = 40'-0"

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ELECTRICAL PROPOSED SITE PLAN

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
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2	(VE1) VALUE ENGINEERING 1	2/13/24

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CERTIFICATE NO. 037

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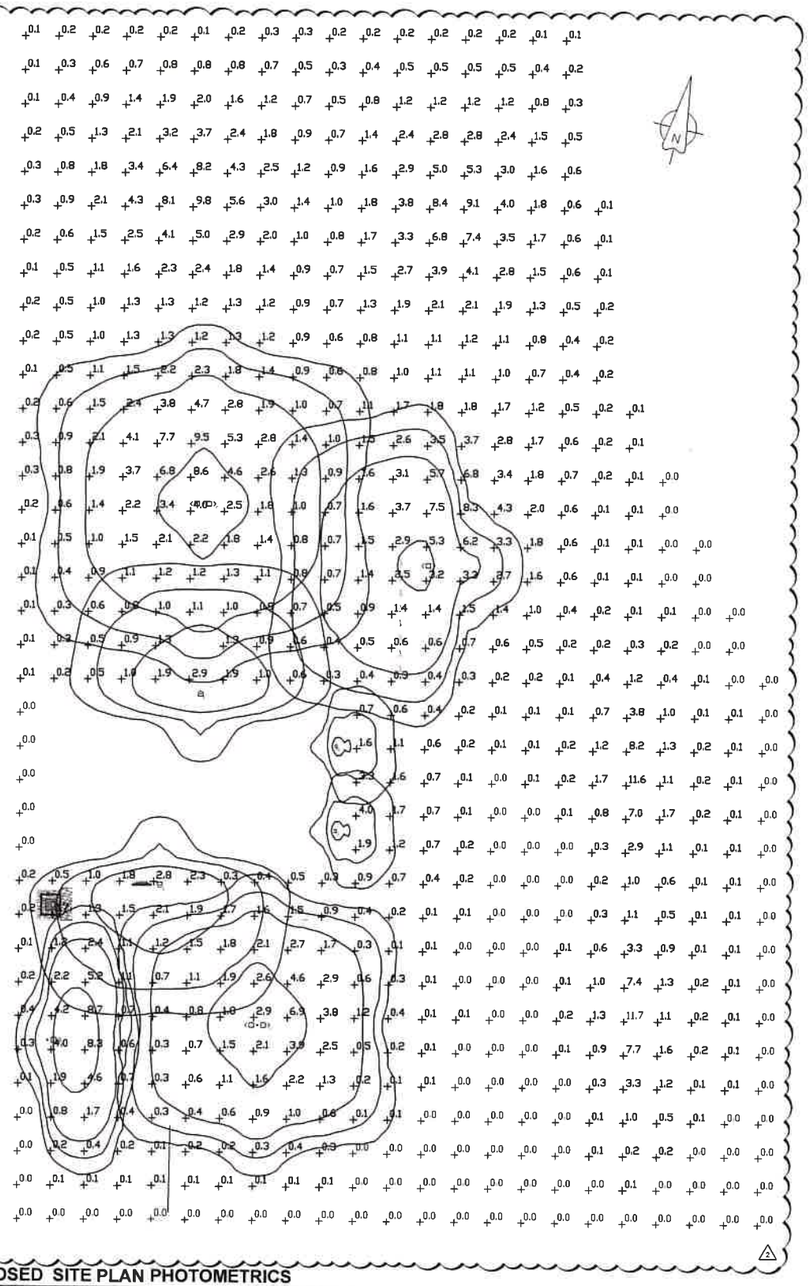
	= 1 INCH
SHEET No.	59 OF 70

ES101

GENERAL NOTES:

1. GRID NUMBERS ON THIS SHEET REFER TO CANDELLA LEVEL OUTPUT FROM SITE LIGHTING IN SPECIFIC LOCATIONS ON SITE.



A4 PROPOSED SITE PLAN PHOTOMETRICS

SCALE: 1" = 40'-0"

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PROPOSED ELECTRICAL PHOTOMETRIC SITE PLAN

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
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PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	ASB
DESIGNED BY	JEZ
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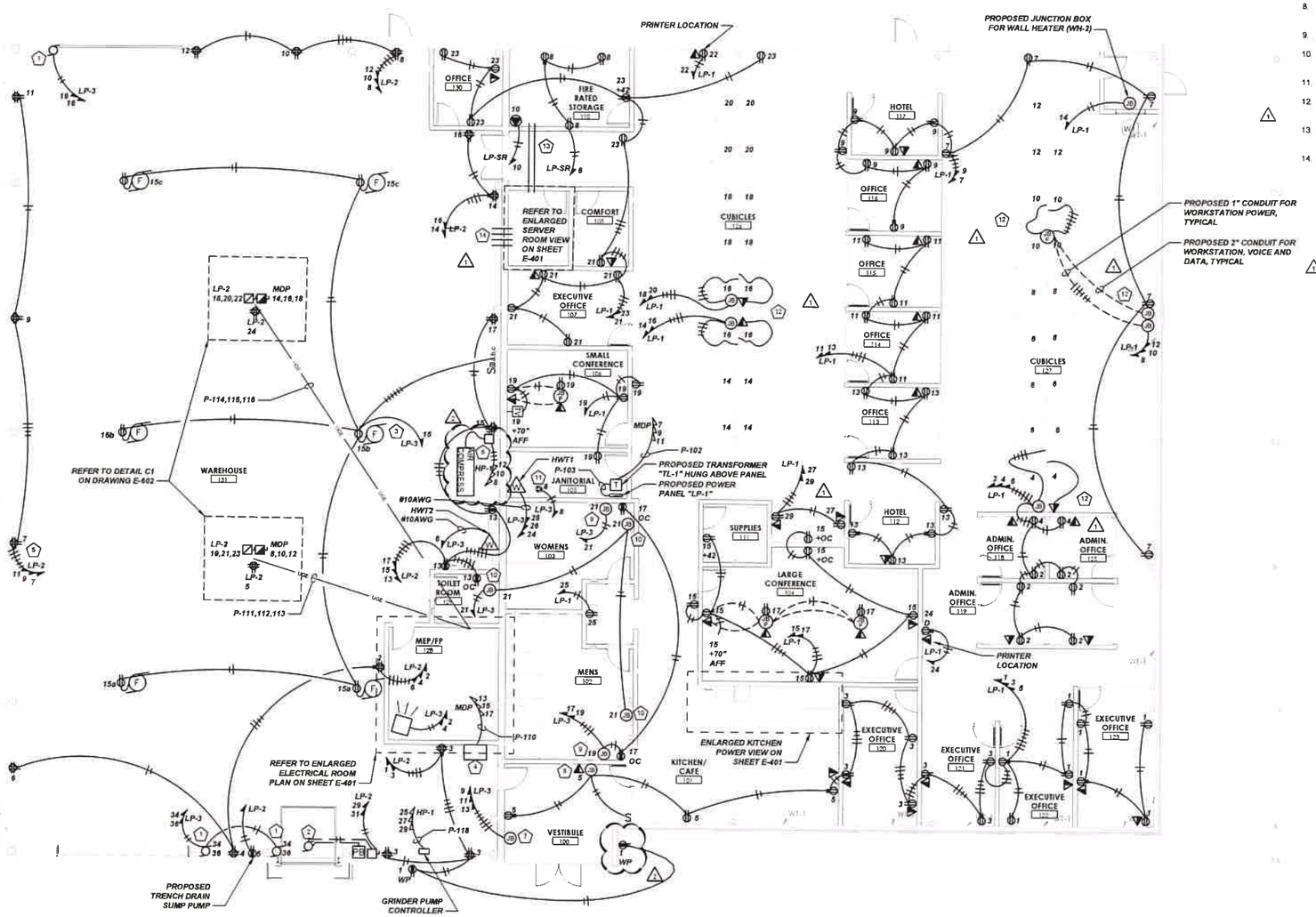
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	60 OF 70

ES102



A1 PROPOSED POWER PLAN

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

KEYED NOTES:

1. PROPOSED OVERHEAD DOOR OPENER. CONTRACTOR TO PROVIDE ALL DEVICES, CONDUITS AND WIRING FOR ALL CONTROL AND SAFETY DEVICES. REFER TO SPECIFICATION 083613
2. PROPOSED DOCK LEVELER. CONTRACTOR TO PROVIDE ALL DEVICES, CONDUITS AND WIRING FOR ALL CONTROL AND SAFETY DEVICES. REFER TO SPECIFICATION 111319. INSTALL TWO (2) 1" CONDUITS FROM DISCONNECT SWITCH AND PUSH BUTTON CONTROL STATION DOWN WALL AND UNDER SLAB TO EQUIPMENT IN PIT.
3. PROPOSED AIR CIRCULATION FANS, CONTRACTOR TO INSTALL RECEPTACLES TO ROOF BEAMS AS REQUIRED.
4. PROPOSED OVERHEAD CRANE CONTROL BOX, COORDINATE LOCATION WITH CRANE. CONTRACTOR TO PROVIDE CONDUIT AND WIRING TO CRANE AS REQUIRED.
5. ALL OUTLETS IN MANUFACTURING AREA TO BE MOUNTED +48" AFF UNLESS OTHERWISE NOTED.
6. PROPOSED AIR COMPRESSOR. PROVIDE 480V, 30A, 3 PHASE, 3W, HEAVY DUTY DISCONNECT SWITCH. COORDINATE FUSE SIZE WITH EQUIPMENT REQUIREMENTS.
7. PROPOSED WALL CABIN HEATER REFER TO DRAWING M-102.
8. PROPOSED POWER AND SWITCH FOR OWNER PROVIDED SIGN. COORDINATE EXACT LOCATION AS REQUIRED.
9. PROPOSED HAND DRYERS, COORDINATE INSTALL AS FIELD REQUIRED.
10. PROPOSED POWER FOR LAVATORY SINKS. CONTRACTOR TO PROVIDE AND INSTALL ALL BACK-BOXES, DEVICES AND WIRING FOR PLUMBING FIXTURES.
11. PROPOSED HOT WATER CIRCULATION PUMP.
12. ALL PROPOSED COMMUNICATION CONDUITS FOR WORKSTATIONS SHALL BE 2" MINIMUM.
13. PROVIDE AND INSTALL TWO (2) 2" COMMUNICATION CONDUITS WITH PULL STRINGS FROM SERVER ROOM TO FIRE RATED STORAGE ROOM.
14. PROVIDE AND INSTALL FOUR (4) 2" COMMUNICATION CONDUITS WITH PULL STRINGS FROM SERVER ROOM STUBBED INTO WAREHOUSE.

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ELECTRICAL PROPOSED POWER PLAN

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	PB ADDENDUM NO. 2	12/22/23
2	(VE-1) VALUE ENGINEERING 1	2/13/24

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PROJECT NUMBER	22J1-0106
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APPROVED BY	CMA
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	= 1 INCH
SHEET No.	61 OF 70

E-101

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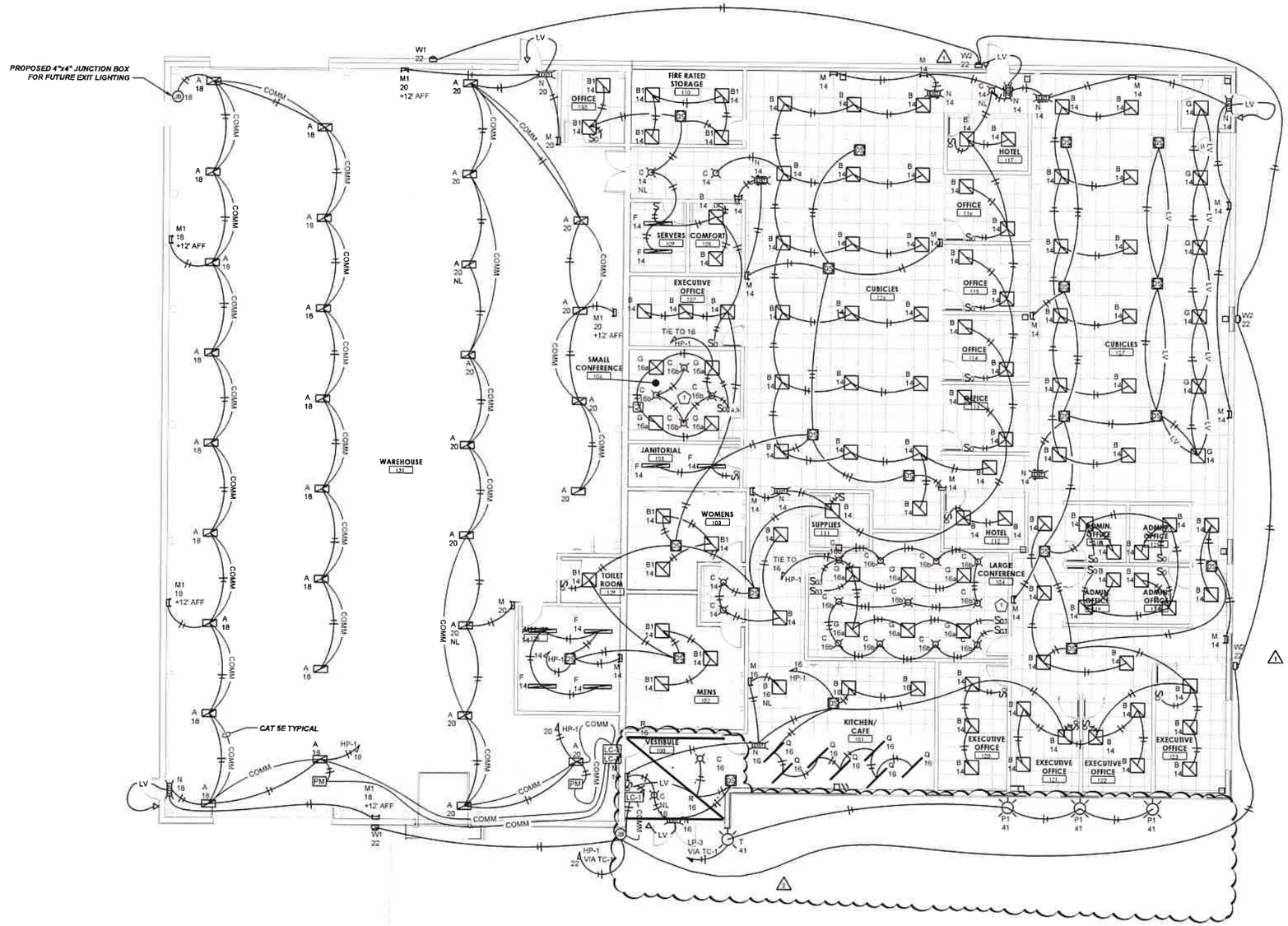
KEYED NOTES: (A)

1. PROPOSED 1-10V DIMMING SWITCHES TO BE INSTALLED BY CONTRACTOR. SWITCHES TO SEPARATELY CONTROL LIGHTS C AND G. SEE LIGHTING SCHEDULE ON E-001 FOR MORE INFORMATION



A1 PROPOSED LIGHTING PLAN

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

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ELECTRICAL PROPOSED LIGHTING PLAN

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	PB ADDENDUM NO. 2	12/27/23
2	(VE1) VALUE ENGINEERING 1	2/13/24

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SCALE:	AS NOTED
	= 1 INCH
SHEET No.	62 OF 70

E-102

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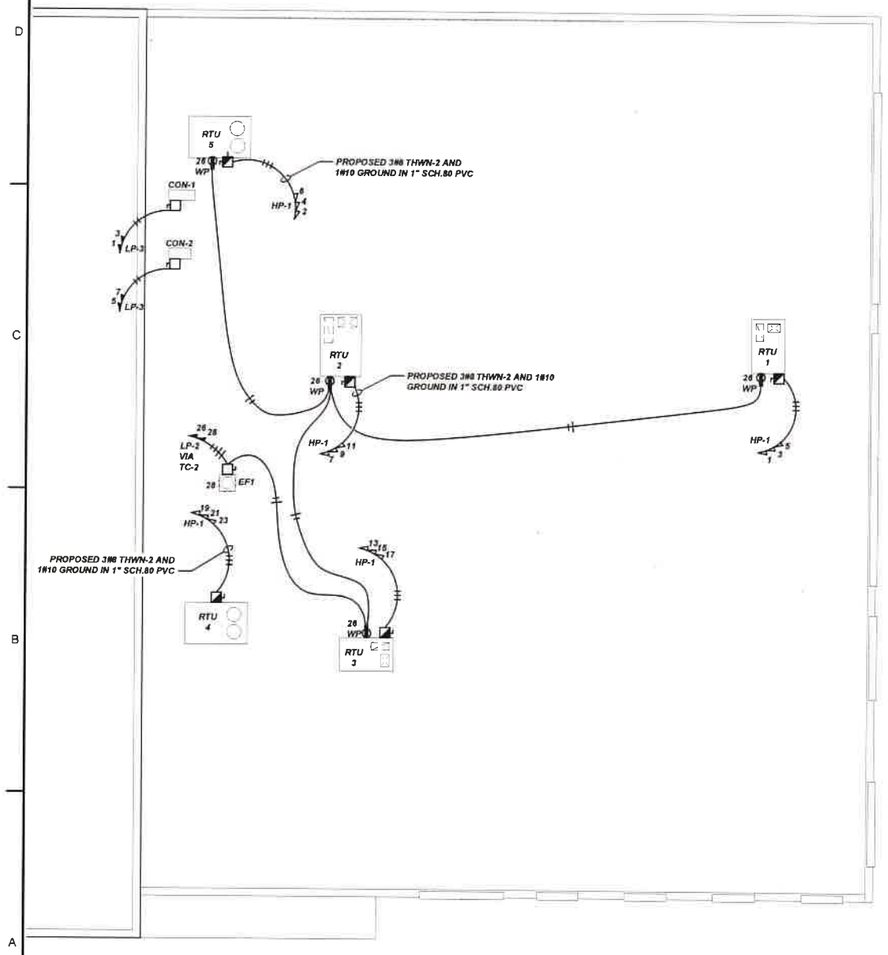
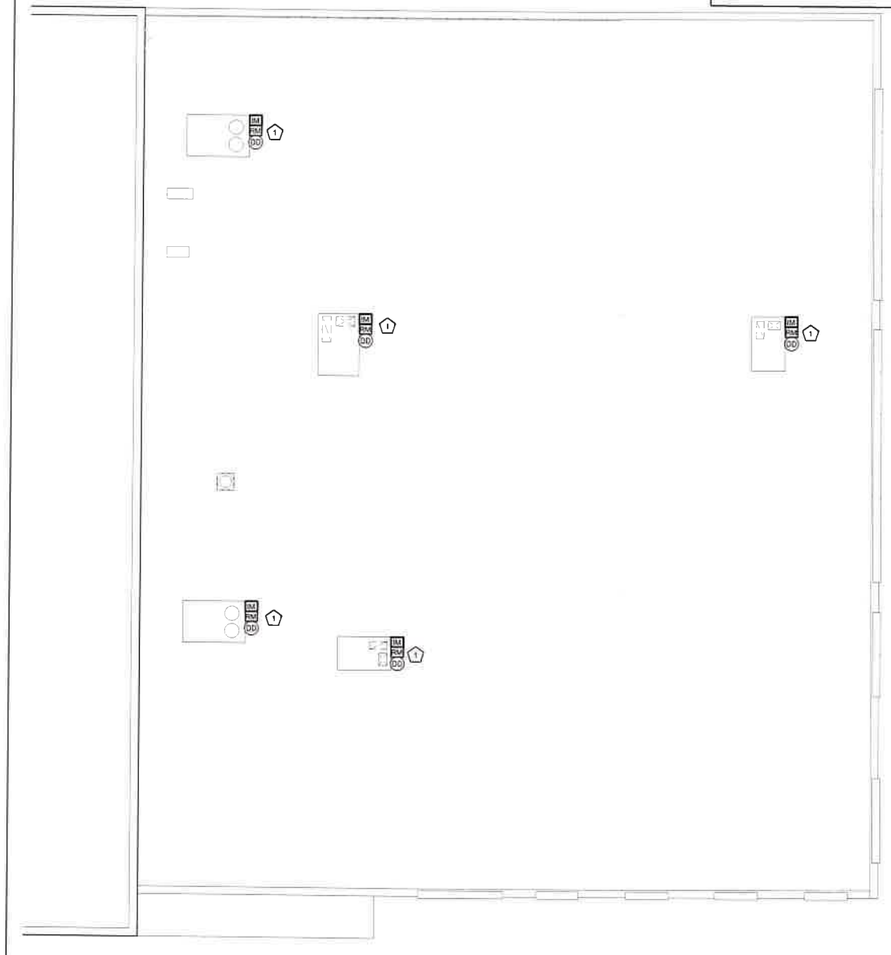


A1 PROPOSED ROOF POWER PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTES: (X)

1. REFER TO DRAWING E-104 FOR FIRE ALARM PLAN.



A1 PROPOSED ROOF FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
FAP	PROPOSED ADDRESSABLE FIRE ALARM PANEL TO BE INSTALLED.
F cd db	PROPOSED FIRE ALARM AUDIO/VISUAL WARNING DEVICE TO BE INSTALLED. UPPER NUMBER INDICATES CANDELA AND LOWER NUMBER INDICATES DECIBELS.
F cd	PROPOSED FIRE ALARM VISUAL WARNING DEVICE TO BE INSTALLED. NUMBER INDICATES CANDELA.
F	PROPOSED FIRE ALARM PULL STATION TO BE INSTALLED.
CO	PROPOSED CARBON MONOXIDE DETECTOR TO BE INSTALLED.
RTS	PROPOSED REMOTE TEST SWITCH TO BE INSTALLED.
IM	PROPOSED FIRE ALARM INPUT MODULE TO BE INSTALLED.
RM	PROPOSED FIRE ALARM RELAY MODULE TO BE INSTALLED.
DD	PROPOSED DUCT SMOKE DETECTOR FOR RTUs TO BE INSTALLED.
SD	PROPOSED FIRE ALARM SMOKE DETECTOR TO BE INSTALLED.
HD	PROPOSED FIRE ALARM HEAT DETECTOR TO BE INSTALLED.

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ELECTRICAL PROPOSED ROOF POWER PLAN

REVISIONS

No	DESCRIPTION	DATE
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CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	63 OF 70

E-103

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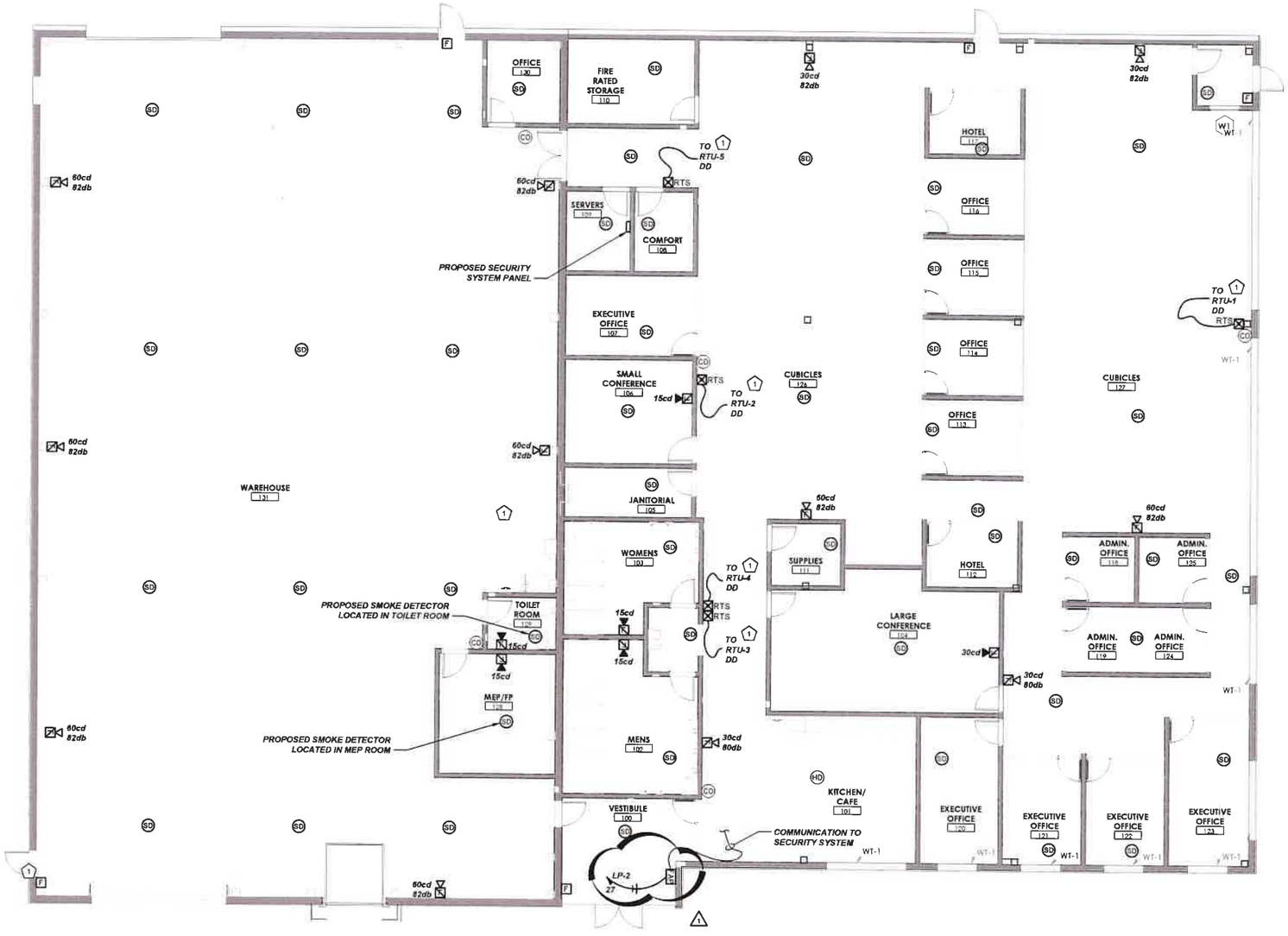

A1 PROPOSED FIRE ALARM PLAN

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

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
FAP	PROPOSED ADDRESSABLE FIRE ALARM PANEL TO BE INSTALLED.
cd db F	PROPOSED FIRE ALARM AUDIO/VISUAL WARNING DEVICE TO BE INSTALLED. UPPER NUMBER INDICATES CANDELA AND LOWER NUMBER INDICATES DECIBELS.
cd F	PROPOSED FIRE ALARM VISUAL WARNING DEVICE TO BE INSTALLED. NUMBER INDICATES CANDELA.
F	PROPOSED FIRE ALARM PULL STATION TO BE INSTALLED.
CO	PROPOSED CARBON MONOXIDE DETECTOR TO BE INSTALLED.
RTS	PROPOSED REMOTE TEST SWITCH TO BE INSTALLED.
IM	PROPOSED FIRE ALARM INPUT MODULE TO BE INSTALLED.
RM	PROPOSED FIRE ALARM RELAY MODULE TO BE INSTALLED.
DD	PROPOSED DUCT SMOKE DETECTOR FOR RTUs TO BE INSTALLED.
SD	PROPOSED FIRE ALARM SMOKE DETECTOR TO BE INSTALLED.
HD	PROPOSED FIRE ALARM HEAT DETECTOR TO BE INSTALLED.

KEYED NOTES: X

1. REFER TO DRAWING E-103 FOR HVAC EQUIPMENT FIRE ALARM DEVICES

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ELECTRICAL PROPOSED FIRE ALARM PLAN

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/05/23
1	(VE1) VALUE ENGINEERING 1	2/13/24

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SCALE:	AS NOTED
	= 1 INCH
SHEET No	64 OF 70

E-104

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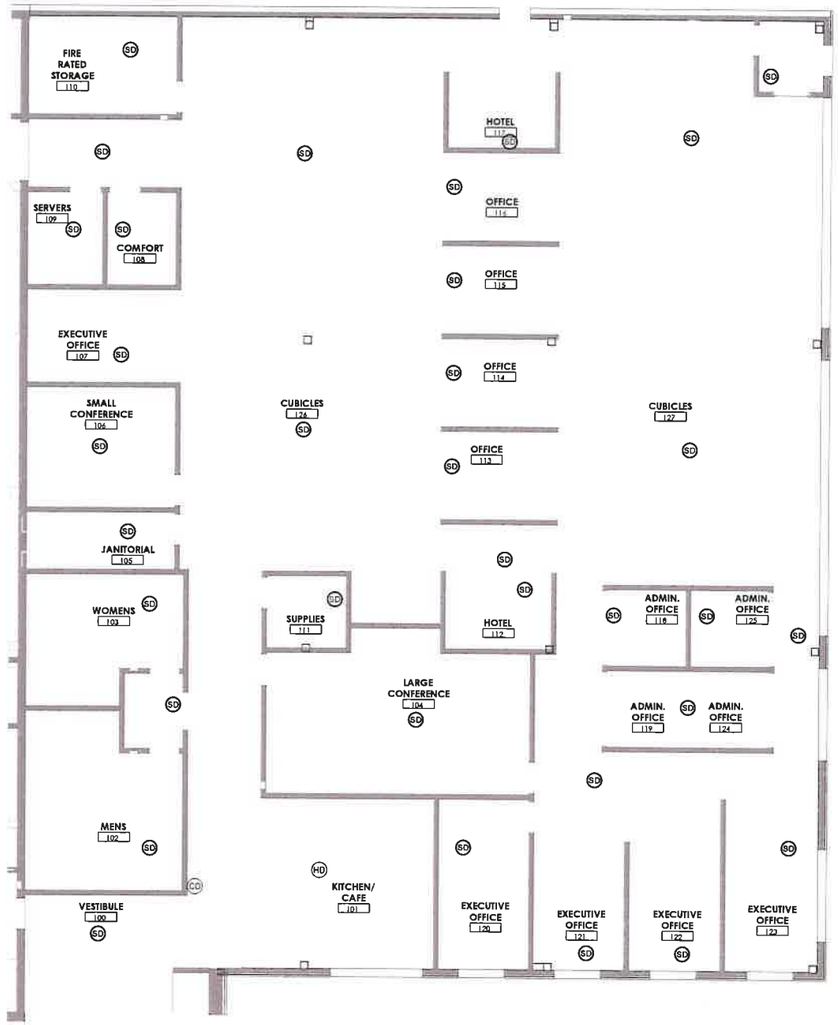

A1 **PROPOSED PLENUM FIRE ALARM PLAN**

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

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ELECTRICAL PROPOSED FIRE ALARM PLENUM PLAN

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

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APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No	65 OF 70

E-105

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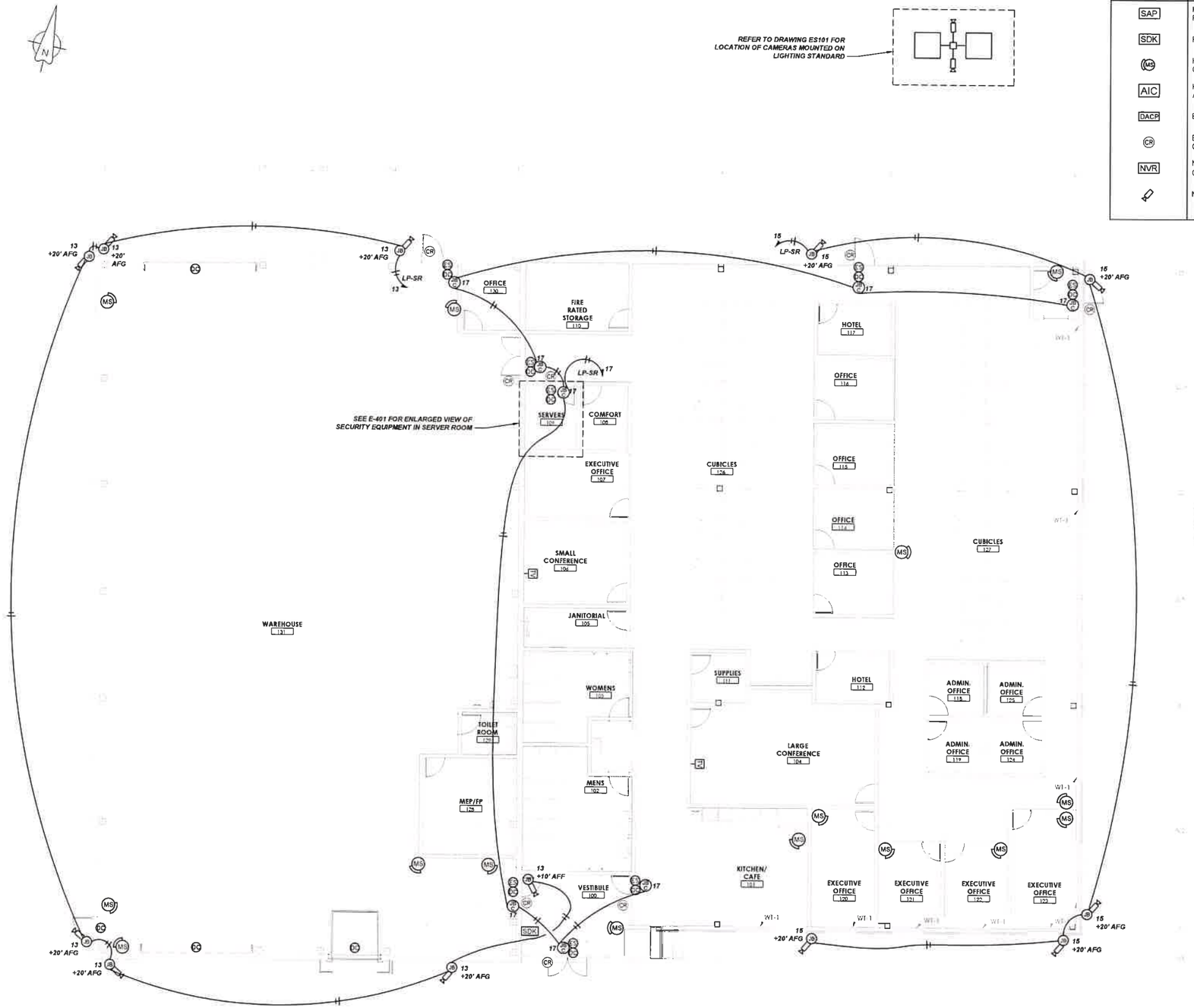


A1 **PROPOSED SECURITY PLAN**
SCALE: 1/8" = 1'-0"

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
SAP	HONEYWELL, VISTA-128FBPT, PARTITIONED FIRE AND BURGLARY ALARM CONTROL PANEL.
SDK	RESIDEO-6160 ALPHA DISPLAY KEYPAD
MS	HONEYWELL, DT8050M – SMBIOC, PIR AND DUAL MOTION DETECTOR WITH MIRROR OPTICS AND SWIVEL MOUNT CEILING BRACKET.
AIC	HONEYWELL, VISTA 4G LTE MULTI-PATH COMMUNICATOR,COMMERCIAL FIRE INTERNET AND LTE COMMUNICATOR.
DACP	BRIVO, B-ACS6100R-E, DOOR ACCESS CONTROL PANEL.
CR	BRIVO, B-BSMF AND B-BSSF SMART READER, CARD READER, MULLION OR SINGLE GANG MOUNTED AS REQUIRED.
NVR	NETWATCH, POE NVR 16 CHANNEL, NETWORK VIDEO RECORDER (RACK MOUNTED, COORDINATE WITH OWNER FOR INSTALLATION LOCATION).
	NETWATCH MPIX CAMERA ADJUSTABLE.

SECURITY SYSTEM NOTES: 1

1. THE CONTRACTOR SHALL SUPPLY ALL LABOR AND MATERIAL NECESSARY FOR A COMPLETE SECURITY SYSTEM AS SHOWN AND SPECIFIED, TESTED, AND READY FOR USE.
2. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE APPLICABLE NEC, NFPA, ADA, OSHA, AND ALL LOCAL CODES OF THE AUTHORITY HAVING JURISDICTION.
3. CONTRACTOR SHALL SUBMIT SUBMITTALS AND SHOP DRAWINGS PER SPECIFICATION 013300, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   - EQUIPMENT AND DEVICE DATA SHEETS
   - BATTERY CALCULATIONS (24 HR STANDBY)
   - SYSTEM RISER DIAGRAM
   - VOLTAGE DROP CALCULATIONS
4. ALL DEVICES SHALL BE INSTALLED TO MEET OR EXCEED A.D.A. REQUIREMENTS.
5. ALL MOTION DETECTORS SHALL BE COORDINATED TO PROVIDE UNIFORM COVERAGE.
6. ALL CAMERA LOCATIONS AND AIMING SHALL BE COORDINATED WITH THE OWNER.
7. CONTRACTOR SHALL PROVIDE ALL REQUIRED BACK BOXES AND CONDUIT REQUIRED. CABLING WITHIN AREAS WITH NON ACCESSIBLE CEILINGS SHALL BE RUN IN CONDUIT TO AREAS ABOVE ACCESSIBLE CEILINGS.
8. ALL CABLING SHALL BE SUPPORTED FROM THE BUILDING BASE STRUCTURE AND NEATLY ORGANIZED.
9. ANY FLOOR OR FIREWALL PENETRATIONS SHALL BE FIRESTOPPED AS FIELD REQUIRED.
10. BID SHALL INCLUDE MAINTENANCE AND MONITORING SERVICES BY DOYLE SECURITY FOR TWO (2) YEARS.
11. SECURITY SYSTEM SHALL BE PROVIDED BY DOYLE SECURITY, CONTACT MATTHEW STUCZYNSKI, MATT.STUCZYNSKI@GODOYLE.COM, (716) 316-0677.

NUSSBAUMER & CLARKE, INC.
EST. 1955
ENGINEERS AND SURVEYORS
3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 827-6000 | (716) 826-7958 fax
www.nasclarke.com

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

ELECTRICAL PROPOSED SECURITY PLAN

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	REVISED PER OWNER	10/24/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 227

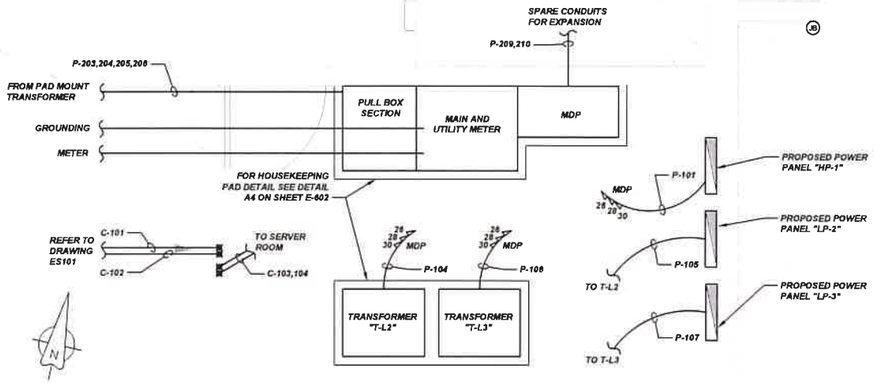
NUSSBAUMER AND CLARKE, INC. INCORPORATED 1955 SEAL BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0108
DATE	09-22-23
DRAWN BY	ASB
DESIGNED BY	JEZ
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	68 OF 70

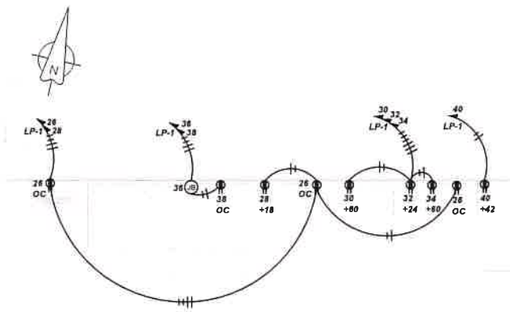
E-106

E:\2022\0108 Zeton USB Working Dwgs\Discipline\E-Electrical\E-101 ELECTRICAL PROPOSED POWER PLAN.dwg 12/27/2023 20:00:04



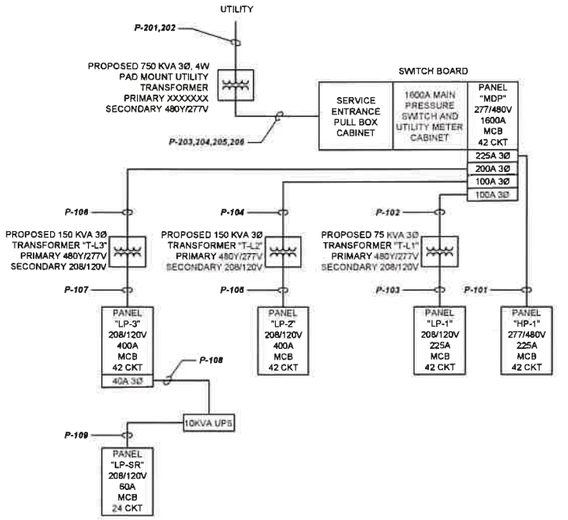
B1 PROPOSED ENLARGED MEP ROOM POWER PLAN

SCALE: 1/2" = 1'-0"



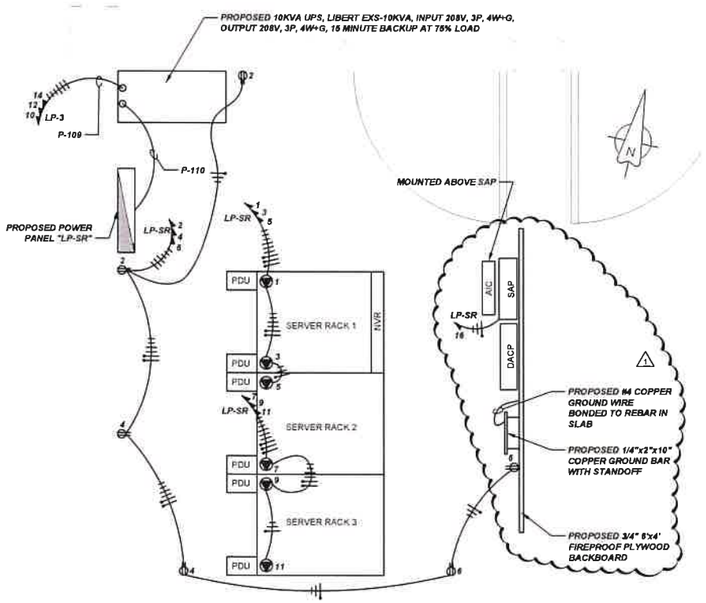
A1 PROPOSED ENLARGED KITCHEN POWER PLAN

SCALE: 1/2" = 1'-0"



C4 PROPOSED ONE LINE DIAGRAM

SCALE: NTS



A4 PROPOSED ENLARGED SERVER ROOM PLAN

SCALE: 3/4" = 1'-0"

NUSSBAUMER & CLARKE, INC.
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EST. 1933
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(716) 827-9000 | (716) 826-7958 fax
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ZETON US PROPERTIES, INC.

115 OAKHURST STREET, LOCKPORT NY

ELECTRICAL PROPOSED ENLARGED PLAN VIEWS AND ONE LINE

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/22
1	REVISED PER OWNER	10/24/22

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO 327

NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	ASB
DESIGNED BY	JEZ
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	67 OF 70

E-401

L:\2022\0106 Zeton\06B Working Dwgs\Discipline\E-Electrical\E-101 ELECTRICAL PROPOSED POWER PLAN.dwg 10/24/2023 JZ0000A

MDP

VOLTS: 480/277 PH.: 3 WIRE 4 CIRCUIT: 54 BUS AMPS: 1600 ☐ MLO
FED FROM: 750KVA UTILITY TRANSFORMER SCCR: 10kAIC MAIN OCPD AMPS: 1600/3 ☑ MCB

CKT #	TRIP	AREA SERVED	LOAD	L1	L2	L3	LOAD	AREA SERVED	TRIP	CKT #
1		SURGE PROTECTOR	MISC.							2
3			MISC.							4
5			MISC.							6
7			MISC.				MISC.			8
9	100/3	TRANSFORMER FOR LP-1 (75KVA)	MISC.				MISC.	SPARE	100/3	10
11			MISC.				MISC.			12
13			MISC.				MISC.			14
15	100/3	X-FORMER CRANE HIGH BAY (T-C4)	MISC.				MISC.	SPARE	100/3	16
17			MISC.				MISC.			18
19			MISC.				MISC.			20
21	200/3	XFORMER FOR LP-2 (150KVA)	MISC.				MISC.	SPARE	200/3	22
23			MISC.				MISC.			24
25			MISC.				MISC.			26
27	100/3	DISCONNECT PEDESTAL 1	MISC.				MISC.	HP-1	225/3	28
29			MISC.				MISC.			30
31			MISC.				MISC.			32
33	100/3	DISCONNECT PEDESTAL 2	MISC.				MISC.	XFORMER FOR LP-3 (150KVA)	200/3	34
35			MISC.				MISC.			36
37			MISC.							38
39	600/3	SPARE FOR FUTURE EXPANSION	MISC.							40
41			MISC.							42
43			MISC.							44
45	600/3	SPARE FOR FUTURE EXPANSION	MISC.							46
47			MISC.							48

HP-1

VOLTS: 480/277 PH.: 3 WIRE 4 CIRCUIT: 42 BUS AMPS: 225 ☐ MLO
FED FROM: MDP SCCR: 10kAIC MAIN OCPD AMPS: 225/3 ☑ MCB

CKT #	TRIP	AREA SERVED	LOAD	L1	L2	L3	LOAD	AREA SERVED	TRIP	CKT #
1			A/C	3573 7479			A/C			2
3	20/3	RTU-1	A/C		3573 7479		A/C	RTU-5	40/3	4
5			A/C			3573 7479	A/C			6
7			A/C	5540 7968			MTR			8
9	40/3	RTU-2	A/C		5540 7968		MTR	AIR COMPRESSOR	20/3	10
11			A/C			5540 7968	MTR			12
13			A/C	3573 4062			LTS	LTS. OFFICE CIRCUIT 1	20/1	14
15	20/3	RTU-3	A/C		3573 1232		LTS	LTS. OFFICE CIRCUIT 2	20/1	16
17			A/C			3573 3150	LTS	LTS. HIGH BAY NORTH	20/1	18
19			A/C	7479 3360			LTS	LTS. HIGH BAY SOUTH	20/1	20
21	40/3	RTU-4	A/C		7479 266		LTS	LTS. EXTERIOR BUILDING	20/1	22
23			A/C			7479 2759	LTS	LTS. EXTERIOR PARKING LOT POLES	20/1	24
25			MTR					SPARE	20/1	26
27	60/3	GRINDER PUMP CONTROLLER	MTR					SPARE	20/1	28
29			MTR					SPARE	20/1	30
31	20/1	SPARE						SPARE	20/1	32
33	20/1	SPARE						SPARE	20/1	34
35	20/1	SPARE						SPARE	20/1	36
37	20/1	SPARE						SPARE	20/1	38
39	20/1	SPARE						SPARE	20/1	40
41	20/1	SPARE						SPARE	20/1	42

LP-1

VOLTS: 208/120 PH.: 3 WIRE 4 CIRCUIT: 42 BUS AMPS: 225 ☐ MLO
FED FROM: TRANSFORMER 1 (75KVA) SCCR: 10kAIC MAIN OCPD AMPS: 225/3 ☑ MCB

CKT #	TRIP	AREA SERVED	LOAD	L1	L2	L3	LOAD	AREA SERVED	TRIP	CKT #
1	20/1	RECPT. EXECUTIVE OFFICES	RECPT	972 972			RECPT	RECPT. CUBICLES (4)	20/1	2
3	20/1	RECPT. EXECUTIVE OFFICES	RECPT		972 972		RECPT	RECPT. DESK AREA QTY. 4 DESKS	20/1	4
5	20/1	RECPT. KITCHEN SOUTH / VESTIBULE	RECPT			972 972	RECPT	RECPT. DESK AREA QTY. 4 DESKS	20/1	6
7	20/1	RECPT. OUTER WALL CUBE AREA	RECPT	810 972			RECPT	RECPT. DESK AREA QTY. 4 DESKS	20/1	8
9	20/1	RECPT. HOTEL	RECPT		972 972		RECPT	RECPT. DESK AREA QTY. 4 DESKS	20/1	10
11	20/1	RECPT. CENTRAL OFFICES	RECPT			972 972	RECPT	RECPT. DESK AREA QTY. 4 DESKS	20/1	12
13	20/1	RECPT. CENTRAL OFFICES / HOTEL	RECPT	972 972			RECPT	RECPT. DESK AREA QTY. 4 DESKS	20/1	14
15	20/1	RECPT. LG CONFERENCE	RECPT		972 972		RECPT	RECPT. DESK AREA QTY. 4 DESKS	20/1	16
17	20/1	RECPT. SUPPLIES / LG CONFERENCE	RECPT			972 972	RECPT	RECPT. DESK AREA QTY. 4 DESKS	20/1	18
19	20/1	RECPT. JANITOR / SM CONF / WOM ENS	RECPT	1134 972			RECPT	RECPT. DESK AREA QTY. 4 DESKS	20/1	20
21	20/1	RECPT. EXECUTIVE OFFICES / CMFORT	RECPT		810 700		RECPT	RECPT. DEDICATED PRINTER 1	20/1	22
23	20/1	RECPT. STORAGE / SHOP OFFICE	RECPT			972 700	RECPT	RECPT. DEDICATED PRINTER 2	20/1	24
25	20/1	RECPT. DRINKING FOUNTAIN	RECPT	1000 600			RECPT	RECPT. KITCHEN CNTR / WATER FT.	20/1	26
27	20/1	RECPT. PRINTER - EAST	RECPT		1440 1000		RECPT	RECPT. UNDER COUNTER FREEZER	20/1	28
29	20/1	RECPT. PRINTER - WEST	RECPT			1440 1000	KITCH	RECPT. WEST HIGH MICROWAVE	20/1	30
31	20/1	SPARE			1000		KITCH	RECPT. EAST LOW MICROWAVE	20/1	32
33	20/1	SPARE				1000	KITCH	RECPT. EAST HIGH MICROWAVE	20/1	34
35	20/1	SPARE				1440	KITCH	DISHWASHER	20/1	36
37	20/1	SPARE			648		KITCH	RECPT. DEDICATED COFFEE POTS	20/1	38
39	20/1	SPARE				1600	KITCH	RECPT. DEDICATED REFRIGERATOR	20/1	40
41	20/1	SPARE					1500	WALL HEATER (WH-3)	20/1	42

LP-2

VOLTS: 208/120 PH.: 3 WIRE 4 CIRCUIT: 42 BUS AMPS: 400 ☐ MLO
FED FROM: TRANSFORMER 2 (150KVA) SCCR: 10kAIC MAIN OCPD AMPS: 400/3 ☑ MCB

CKT #	TRIP	AREA SERVED	LOAD	L1	L2	L3	LOAD	AREA SERVED	TRIP	CKT #
1	20/1	RECPT. SHOP WALL ELE RM QTY. 2	RECPT	1296 1296			RECPT	RECPT. SHOP WALL SOUTH QTY. 1	20/1	2
3	20/1	RECPT. SHOP WALL ELE RM QTY. 3	RECPT		1296 1296		RECPT	RECPT. SHOP WALL SOUTH QTY. 1	20/1	4
5	20/1	TRENCH DRAIN SUMP PUMP	MTR			1296 1296	RECPT	RECPT. SHOP WALL WEST QTY. 1	20/1	6
7	20/1	RECPT. SHOP WALL WEST QTY. 1	RECPT	1296 1296			RECPT	RECPT. SHOP WALL NORTH QTY. 1	20/1	8
9	20/1	RECPT. SHOP WALL WEST QTY. 1	RECPT		1296 1296		RECPT	RECPT. SHOP WALL NORTH QTY. 1	20/1	10
11	20/1	RECPT. SHOP WALL WEST QTY. 1	RECPT			1296 1296	RECPT	RECPT. SHOP WALL NORTH QTY. 1	20/1	12
13	20/1	RECPT. SHOP QTY. 3 (EYE/REST RM)	RECPT	1296 1296			RECPT	RECPT. SHOP WALL EAST QTY. 1	20/1	14
15	20/1	RECPT. SHOP WALL EAST QTY. 1	RECPT		1296 1296		RECPT	RECPT. SHOP WALL EAST QTY. 1	20/1	16
17	20/1	RECPT. SHOP WALL EAST QTY. 1	RECPT			1296 5800	MISC.			18
19			MISC.	8800 8800			MISC.	DISCONNECT PEDESTAL 2	100/3	20
21	100/3	DISCONNECT PEDESTAL 1	MISC.		8800 8800		MISC.			22
23			MISC.			8800 1296	RECPT	RECPT. PEDESTAL 2	20/1	24
25	20/1	RECPT. PEDESTAL 1	RECPT	1296 972			RECPT	RECPT. EQUIPMENT OUTLET (ROOF)	20/1	26
27	20/1	FIRE PANEL	RECPT		500 342		MTR	RESTROOM EXHAUST FAN (EF1)	20/1	28
29	20/2	DOCK LEVELER	MTR			1140		SPARE	20/1	30
31			MTR	1140				SPARE	20/1	32
33	20/1	SPARE						SPARE	20/1	34
35	20/1	SPARE						SPARE	20/1	36
37	20/1	SPARE						SPARE	20/1	38
39	20/1	SPARE						SPARE	20/1	40
41	20/1	SPARE						SPARE	20/1	42

PROPOSED CONDUIT AND WIRE SCHEDULE (POWER)

CONDUIT NO.	CONDUIT SIZE	WIRE/CABLE QTY/PAIRS	WIRE/CABLE SIZE	FROM	TO	NOTES
P-101	3" SCH.80 PVC	4	#3/0	MAIN DISTRIBUTION PANEL (MDP)	PANEL "HP-1"	
		1	#4			
P-102	1-1/2" SCH.80 PVC	4	#3	MAIN DISTRIBUTION PANEL (MDP)	TRANSFORMER "T-L1"	
		1	#6			
P-103	3" SCH.80 PVC	4	#3/0	TRANSFORMER "T-L1"	PANEL "LP-1"	
		1	#4			
P-104	3" SCH.80 PVC	4	#3/0	MAIN DISTRIBUTION PANEL (MDP)	TRANSFORMER "T-L2"	
		1	#6			
P-105	4" SCH.80 PVC	4	500MCM	TRANSFORMER "T-L2"	PANEL "LP-2"	
		1	#3			
P-106	3" SCH.80 PVC	4	#3/0	MAIN DISTRIBUTION PANEL (MDP)	TRANSFORMER "T-L3"	
		1	#6			
P-107	4" SCH.80 PVC	4	500MCM	TRANSFORMER "T-L3"	PANEL "LP-3"	
		1	#3			
P-108	1" SCH.80 PVC	4	#6	PANEL "LP-3"	UPS	LOCATED IN SERVER ROOM
		1	#10			
P-109	1-1/4" SCH.80 PVC	4	#6	UPS	PANEL "LP-SR"	SERVER ROOM PANEL
		1	#10			
P-110	1-1/4" SCH.80 PVC	4	#6	MAIN DISTRIBUTION PANEL (MDP)	BAY CRANE EQUIPMENT	PRIMARY
		1	#8			
P-111	3/4" PVC SCH 80	2	#12	LP-2 (CIRCUIT 25)	PEDESTAL 1	SERVING DEDICATED CONVENENCE OUTLET ON PEDESTAL 1
		1	#12			
P-112	1-1/2" PVC SCH 80	4	#3	LP-2 (CIRCUITS 19,21,23)	PEDESTAL 1	SERVING 120/208V 3P 4W FUSED AC DISCONNECT ON PEDESTAL 1
		1	#8			
P-113	1-1/2" PVC SCH 80	3	#3	HP-1 (CIRCUITS 2,4,6)	PEDESTAL 1	SERVING 277/480V 3P 4W FUSED AC DISCONNECT ON PEDESTAL 1
		1	#8			
P-114	3/4" PVC SCH 80	2	#12	LP-2 (CIRCUIT 24)	PEDESTAL 2	SERVING DEDICATED CONVENENCE OUTLET ON PEDESTAL 2
		1	#12			
P-115	1-1/2" PVC SCH 80	4	#3	LP-2 (CIRCUITS 18,20,22)	PEDESTAL 2	SERVING 120/208V 3P 4W FUSED AC DISCONNECT ON PEDESTAL 2
		1	#8			
P-116	1-1/2" PVC SCH 80	3	#3	HP-1 (CIRCUITS 8,10,12)	PEDESTAL 2	SERVING 277/480V 3P 4W FUSED AC DISCONNECT ON PEDESTAL 2
		1	#8			
P-117	3/4" PVC SCH 80	3	#12	MDP CTs FOR ELECTRICAL UTILITY METER	METER CHANEL	
		1	#12			
P-118	1" PVC SCH 80	3	#6	HP-1 (CIRCUITS 25,27,29)	GRINDER PUMP CONTROLLER	
		1	#10			
P-201	4" SCH.80 PVC	-	-	SERVICE RISER POLE	TRANSFORMER PAD	NESEG TO PROVIDE AND INSTALL SERVICE FEEDERS
		-	-			
P-202	4" SCH.80 PVC	-	-	SERVICE RISER POLE	TRANSFORMER PAD	SPARE CONDUIT WITH PULL WIRE
		-	-			
P-203	4" SCH.80 PVC	4	500MCM	UTILITY PAD MOUNT TRANSFORMER	MAIN DISTRIBUTION PANEL (MDP)	
		1	#1/0			
P-204	4" SCH.80 PVC	4	500MCM	UTILITY PAD MOUNT TRANSFORMER	MAIN DISTRIBUTION PANEL (MDP)	
		1	#1/0			
P-205	4" SCH.80 PVC	-	-	UTILITY PAD MOUNT TRANSFORMER	MAIN DISTRIBUTION PANEL (MDP)	SPARE CONDUIT WITH PULL WIRE
		-	-			
P-206	4" SCH.80 PVC	-	-	UTILITY PAD MOUNT TRANSFORMER	MAIN DISTRIBUTION PANEL (MDP)	SPARE CONDUIT WITH PULL WIRE
		-	-			
P-207	4" PVC SCH 80	-	-	MAIN DISTRIBUTION PANEL (MDP)	TO 5'-0" PAST NORTH EXTERIOR WALL	SPARE CONDUIT WITH PULL WIRE
		-	-			
P-208	4" PVC SCH 80	-	-	MAIN DISTRIBUTION PANEL (MDP)	TO 5'-0" PAST NORTH EXTERIOR WALL	SPARE CONDUIT WITH PULL WIRE
		-	-			
P-209	4" PVC SCH 80	-	-	MAIN DISTRIBUTION PANEL (MDP)	TO 5'-0" PAST NORTH EXTERIOR WALL	SPARE CONDUIT WITH PULL WIRE
		-	-			
P-210	4" PVC SCH 80	-	-	MAIN DISTRIBUTION PANEL (MDP)	TO 5'-0" PAST NORTH EXTERIOR WALL	SPARE CONDUIT WITH PULL WIRE
		-	-			
P-211	1" PVC SCH 80	2	#8	LP-3 (CIRCUIT 21,23)	EV CHARGE STATION NORTHEAST LOT	
		1	#10			
P-212	1" PVC SCH 80	2	#8	LP-3 (CIRCUIT 25,27)	EV CHARGE STATION NORTHEAST LOT	
		1	#10			
P-213	1" PVC SCH 80	2	#8	LP-3 (CIRCUIT 29,31)	EV CHARGE STATION NORTHEAST LOT	
		1	#10			
P-214	1" PVC SCH 80	2	#8	LP-3 (CIRCUIT 33,35)	EV CHARGE STATION NORTHEAST LOT △2	
		1	#10			
P-215	1" PVC SCH 80	2	#8	LP-3 (CIRCUIT 30,32)	EV CHARGE STATION SOUTH LOT	
		1	#10			
P-220	1" PVC SCH 80	2	#10	HP-1 (CIRCUIT 24)	PARKING LOT POLES	
		1	#10			
P-221	1" PVC SCH 80	2	#8	LP-3 (Circuit 22)	PARKING LOT RECEPTACLE AND 2 CAMERAS	
		1	#8			
P-222	1" PVC SCH 80	2	#8	HP-1 (CIRCUIT 24)	PARKING LOT POLES	
		1	#8			
P-224	2" PVC SCH 80	6	#12	GRINDER PUMP CONTROLLER	GRINDER PUMP HAND HOLE	
		2	#12			
P-225	2" PVC SCH 80	6	#12	GRINDER PUMP HAND HOLE	GRINDER PUMPS	
		2	#12			
P-226	1" PVC SCH 80	-	-	STUB UP IN MEP ROOM	BURRIED CONDUIT STUB	SPARE CONDUIT WITH PULL WIRE
		-	-			
P-227	1" PVC SCH 80	-	-	STUB UP IN MEP ROOM	BURRIED CONDUIT STUB	SPARE CONDUIT WITH PULL WIRE △2
		-	-			
P-228	1" PVC SCH 80	-	-	STUB UP IN MEP ROOM	BURRIED CONDUIT STUB	SPARE CONDUIT WITH PULL WIRE
		-	-			

KEYED NOTES: △1
1 PROVIDE BREAKER TIE PER NEC

LP-3

VOLTS: 208/120 PH.: 3 WIRE 4 CIRCUIT: 42 BUS AMPS: 400 ☐ MLO
FED FROM: TRANSFORMER 3 (75KVA) SCCR: 10kAIC MAIN OCPD AMPS: 400/3 ☑ MCB

CKT #	TRIP	AREA SERVED	LOAD	L1	L2	L3	LOAD	AREA SERVED	TRIP	CKT #
1	20/2	COND 1	A/C	1660 1152			HEAT	UNIT HEATER (UH-1)	20/2	2
3			A/C		1660 1152		HEAT			4
5	20/2	COND 2	A/C			1440 1560	HEAT	HOT WATER TANK (EYEWASH)	20/1	6
7			A/C	1440 200			HEAT	HOT WATER RECIRCULATING PUMP	20/1	8
9	20/3	WALL HEATER (WH-1)	HEAT		1608 3840		MISC.	10KVA UPS	50/3	10
11			HEAT			1608 3840	MISC.			12
13			HEAT	1608 3840			MISC.			14
15	20/1	DESTRATIFICATION FANS (6)	MTR		490 619		MTR	OVERHEAD DOOR NORTH	20/2	16
17	20/1	MENS ROOM HAND DRYER	HEAT			1000 619	MTR			18
19	20/1	WOMENS ROOM HAND DRYER	HEAT	1000				SPARE	20/1	20
21	20/1	RESTROOM FIXTURES	MISC.		486		RECPT	RECPT. PARKING AND 2 CAMERAS	20/1	22
23	20/1	SPARE				4500	HEAT	HOT WATER TANK (JANITOR CLOSET)	20/2	24
25	40/2	EV CHARGE STATION EAST LOT	MISC.	6656 4000			HEAT			26
27			MISC.		6656 4000		HEAT			28
29	40/2	EV CHARGE STATION EAST LOT	MISC.			6656 6656	MISC.	EV CHARGE STATION SOUTH LOT	40/2	30
31			MISC.	6656 6656			MISC.			32
33	40/2	EV CHARGE STATION EAST LOT	MISC.		6656 1238		MTR	OVERHEAD DOORS SOUTH	20/2	34
35			MISC.			6656 1238	MTR			36
37	40/2	EV CHARGE STATION EAST LOT	MISC.	6656				SPARE	20/1	38
39			MISC.		6656			SPARE	20/1	40
41	20/1	LTS. EXTERIOR FRONT	LTS			150		SPARE	20/1	42

LP-SR

VOLTS: 208/120 PH.: 3 WIRE 4 CIRCUIT: 24 BUS AMPS: 100 ☐ MLO
FED FROM: UPS SCCR: 10kAIC MAIN OCPD AMPS: 60/3 ☑ MCB

CKT #	TRIP	AREA SERVED	LOAD	L1	L2	L3	LOAD	AREA SERVED	TRIP	CKT #
1	30/1	PDU	RECPT	2880 1920			RECPT	RECPT. SERVER ROOM	20/1	2
3	30/1	PDU	RECPT		2880 1920		RECPT	RECPT. SERVER ROOM	20/1	4
5	30/1	PDU	RECPT			2880 1920	RECPT	RECPT. SERVER ROOM	20/1	6
7	30/1	PDU	RECPT	2880 1920			RECPT	RECPT. STORAGE ROOM	20/1	8
9	30/1	PDU	RECPT		2880 1920		RECPT	PDU STORAGE ROOM	30/1	10
11	30/1	PDU	RECPT			2880 1920		SPARE	20/1	12
13	20/1	CAMERAS (QTY. 7)	RECPT	972 1920				SPARE	20/1	14
15	20/1	CAMERAS (QTY. 7)	RECPT		972 500		MISC.	SECURITY HEAD UNIT	20/1	16
17	20/1	FIRE ALARM PANEL	MISC.			500		SPARE	20/1	18
19	20/1	SPARE						SPARE	20/1	20
21	20/1	SPARE						SPARE	20/1	22
23	20/1	SPARE						SPARE	20/1	24

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ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

ELECTRICAL PROPOSED PANEL SCHEDULES

REVISIONS

No	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	REVISED PER OWNER	10/24/23
2	PB ADDENDUM NO. 2	12/27/23
3	(VE1) VALUE ENGINEERING 1	2/13/24

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 027

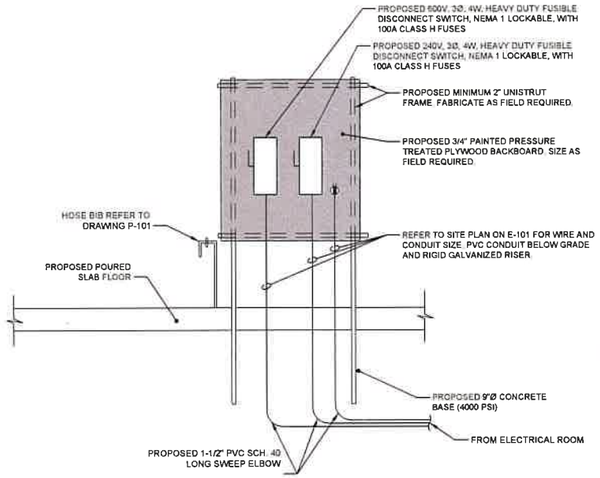
NUSSBAUMER AND CLARKE INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

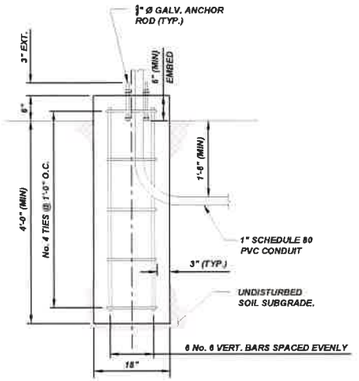
PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	ASB
DESIGNED BY	JEZ
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	68 OF 70

E-601

E:\2022\0106 zeton\06 working dwg\Discipline\E-Electrical\E-101 ELECTRICAL PROPOSED POWER PLAN.dwg 2/14/2024 ABJ\SSTA

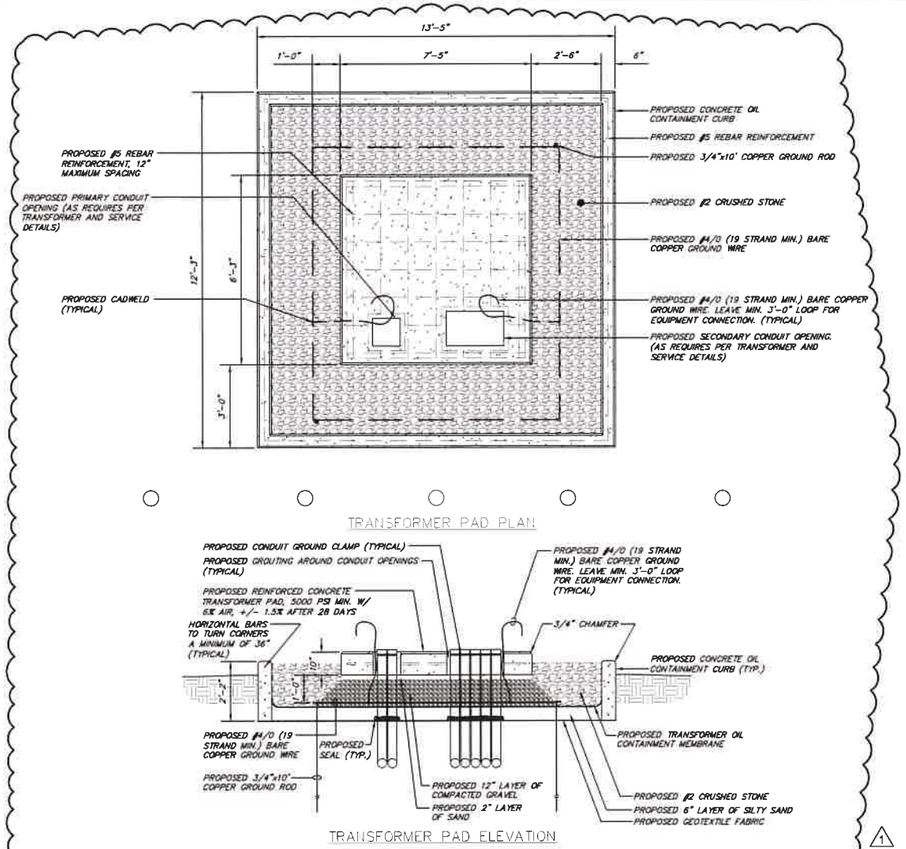


C1 PROPOSED PEDESTAL BACKBOARD
SCALE: NTS

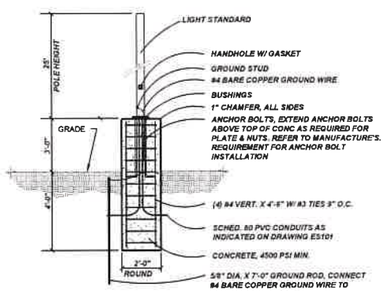


NOTES:
1. REINFORCING BARS: ASTM A615, GRADE 60, UNCOATED
2. CONCRETE: NORMAL WEIGHT, 4000PSI 28 DAY COMP. STRENGTH
3. ANCHOR ROD: ASTM F1554, GRADE 55, HOT DIPPED GALVANIZED
4. HEAVY HEX NUTS: ASTM 563, GRADE A, HOT DIPPED GALVANIZED
5. WASHERS: ASTM F436, HOT DIPPED GALVANIZED

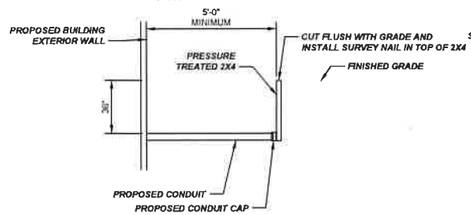
C2 PROPOSED ELECTRICAL VEHICLE CHARGING STATION BASE DETAIL
SCALE: NTS



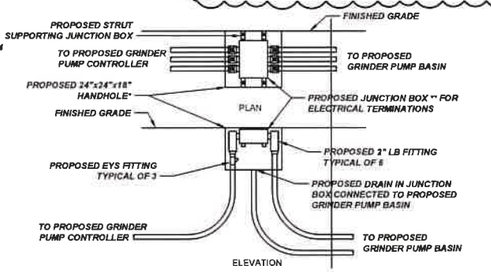
C4 PROPOSED ELECTRICAL UTILITY TRANSFORMER PAD DETAIL
SCALE: NTS



B1 PROPOSED LIGHT POLE BASE
SCALE: NTS

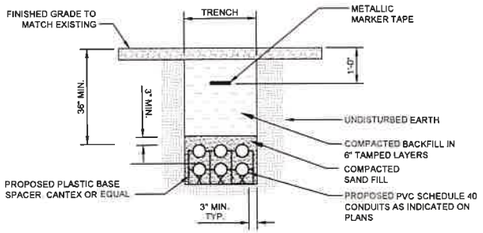


B2 PROPOSED SPARE CONDUIT CAP DETAIL
SCALE: NTS

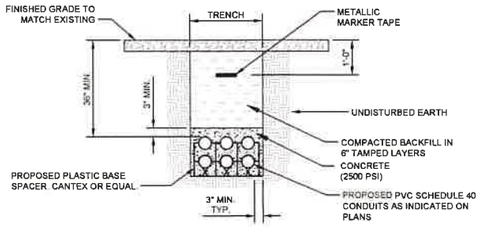


B4 PROPOSED HAND HOLE DETAIL
SCALE: NTS

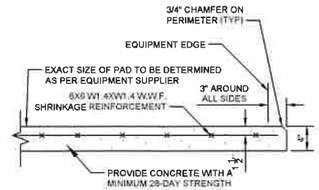
*HAND HOLE COVER - PG2424HG17
*HAND HOLE - PG2424DA24
**TERMINATION JUNCTION BOX - A16H1206SSLP



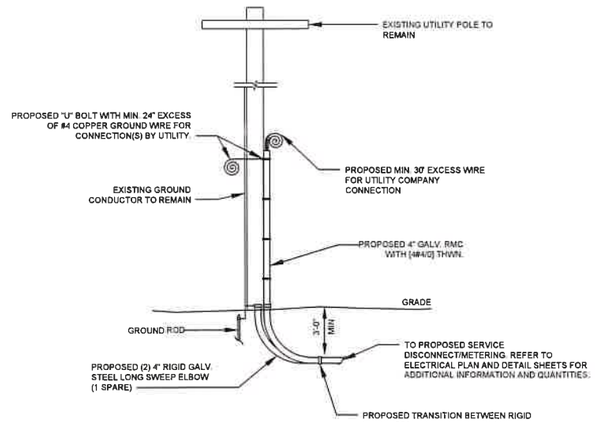
A1 PROPOSED ELECTRICAL SOIL DUCTBANK DETAIL
SCALE: NTS



A2 PROPOSED ELECTRICAL CONCRETE DUCTBANK DETAIL
SCALE: NTS



A4 HOUSEKEEPING PAD DETAIL
SCALE: NTS



NOTES:
1. CONTRACTOR SHALL COORDINATE ALL WORK INCLUDING RISER LOCATION WITH THE UTILITY COMPANY.
2. CONTRACTOR SHALL PROVIDE AND INSTALL THE GALVANIZED RISERS, SWEEPS, BOND "U" BOLTS AND TAP.
3. UTILITY COMPANY SHALL MAKE BOND CONNECTION FROM THE RISER BOND TAP TO TEH GROUND SYSTEM.

A5 ELECTRIC PRIMARY SERVICE RISER POLE DETAIL
SCALE: NTS

NUSSBAUMER & CLARKE, INC.
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www.nussclarke.com

ZETON US PROPERTIES, INC.
115 OAKHURST STREET, LOCKPORT NY

ELECTRICAL PROPOSED DETAILS

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23
1	ADDENDUM 4	11/16/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 327

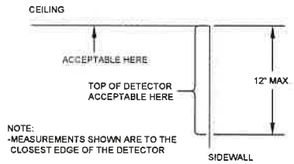
NUSSBAUMER AND CLARKE, INC. INCORPORATED SEAL 1933 BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	ASB
DESIGNED BY	JEZ
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	69 OF 70

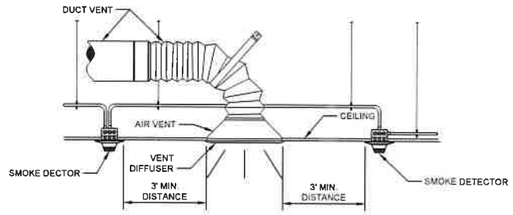
E-602

E:\2022\0106 Zeton\Dbs working dwg\Discipline\E-Electrical\E-101 ELECTRICAL PROPOSED POWER PLAN.dwg 11/16/2023 ABASSETA



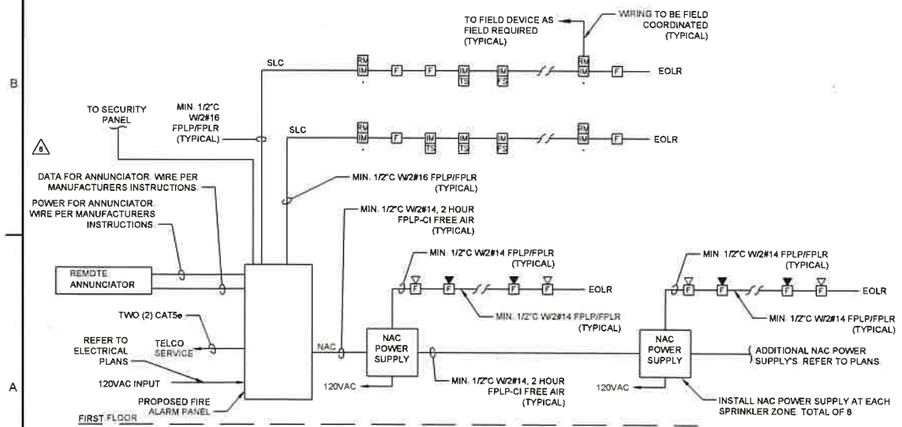
C1 SMOKE DETECTOR LOCATION DETAIL

SCALE: NOT TO SCALE



C2 TYPICAL DETECTOR DIFFUSER SPACING DETAIL

SCALE: NOT TO SCALE

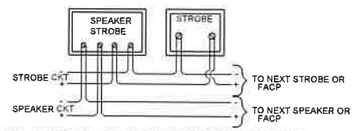


NOTE: CONTRACTOR SHALL INSTALL A NAC POWER SUPPLY AT EACH SPRINKLER ZONE.

CLASS B

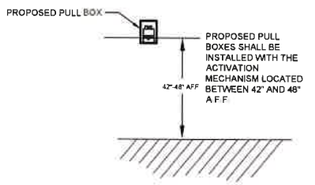
A1 TYPICAL FIRE ALARM RISER DETAIL

SCALE: NOT TO SCALE



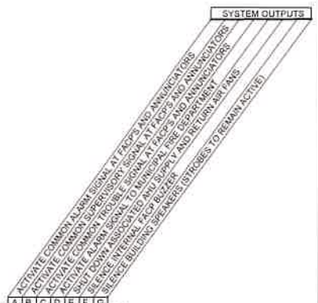
B3 AUDIO STROBE WIRING DETAIL

SCALE: NOT TO SCALE



A3 TYPICAL PULL STATION MOUNTING HEIGHT

SCALE: NOT TO SCALE

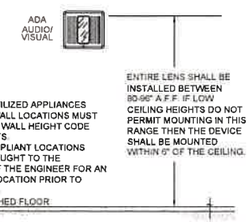


SYSTEM INPUTS

		A	B	C	D	E	F	G	
1	MANUAL PULL STATIONS	●			●				1
2	SMOKE DETECTORS	●			●				2
3	DUCT SMOKE DETECTOR(S)	●	●		●	●			3
4	FLOW SWITCH FLOOR DEVICE	●			●				4
5	TAMPER SWITCH FLOOR DEVICE	●							5
6	SPRINKLER CONTROL VALVE		●						6
7	FIRE PUMP RUNNING	●			●				7
8	FIRE PUMP TROUBLE		●						8
9	FIRE PUMP ALTERNATE POWER SOURCE	●	●						9
10	PUMP CONTROLLER PHASE LOSS	●	●						10
11	FIRE PUMP CONTROLLER PHASE REVERSAL	●	●						11
12	ALARM SILENCE AT FACP							●	12
13	GROUND FAULT			●					13
14	SIGNALING LINE CIRCUIT OPEN			●					14
15	NOTIFICATION APPLIANCE CIRCUIT OPEN			●					15
16	INITIATING DEVICE CIRCUIT OPEN			●					16
17	SIGNALING LINE CIRCUIT SHORT CIRCUIT			●					17
18	NOTIFICATION APPLIANCE CIRCUIT SHORT CIRCUIT			●					18
19	CONTROL PANEL ALARM ACKNOWLEDGE						●		19
20	LOW TEMPERATURE IN BACKFLOW ENCLOSURE	●							20
		A	B	C	D	E	F	G	

B5 FIRE ALARM CONTROL CHART

SCALE: NOT TO SCALE



NOTE:
ALL VISUAL UTILIZED APPLIANCES LOCATED IN WALL LOCATIONS MUST MEET NFPA 72 WALL HEIGHT CODE REQUIREMENTS.
ANY NON-COMPLIANT LOCATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR AN ALTERNATE LOCATION PRIOR TO INSTALLATION.

A5 TYPICAL AUDIO-STROBE INSTALLATION DETAIL

SCALE: NOT TO SCALE

NUSSBAUMER & CLARKE, INC.
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EST. 1933
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www.nussclarke.com

ZETON US PROPERTIES, INC.

115 OAKHURST STREET, LOCKPORT NY

ELECTRICAL PROPOSED FIRE ALARM SPECIFICATIONS AND NOTES

REVISIONS

No.	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	10/06/23

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE NO. 627

NUSSBAUMER AND CLARKE, INC. INCORPORATED 1933 SEAL BUFFALO, N.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209 - PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

PROJECT NUMBER	22J1-0106
DATE	09-22-23
DRAWN BY	ASB
DESIGNED BY	JEZ
CHECKED BY	JEZ
APPROVED BY	CMA
SCALE:	AS NOTED
	= 1 INCH
SHEET No.	70 OF 70

E-603