

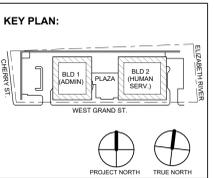
# DRAWING LIST VOLUME 1:

BUILDING CODE ANALYSIS, EGRESS PLANS, TYPICAL DETAILS DOCUMENTS PRIMARILY FOR THE CONSTRUCTION STRUCTURE, ENVELOPE, CORE / SHELL AND MAJOR BUILDING SYSTEMS.

Sheet No.	Sheet Name
G-000	Cover Sheet - Volume 1
G-001	DRAWING LIST VOL. 1 - 1 OF 3
	CONTINUES ON SHEETS G-002 AND G-003 IN VOLUME 2
	<b>CIVIL</b>
VT-101	BOUNDARY, TOPOGRAPHIC & UTILITY SURVEY
CD-101	DEMOLITION PLAN
C-101	SITE PLAN
C-102	FIRE TRUCK CIRCULATION PLAN
C-103	GARBAGE AND 30-FT BOX TRUCK CIRCULATION PLAN
CG101	GRADING PLAN
CG102	DRAINAGE PLAN
CU-101	UTILITY PLAN
CE-101	SOIL EROSION AND SEDIMENT CONTROL PLAN
LP-101	LANDSCAPE PLANTING PLAN
LP301	SECTION VIEWS
LP-501	LANDSCAPE NOTES AND DETAILS
LL-101	LIGHTING PLAN
LL-102	NOT USED
LL-501	LIGHTING NOTES AND DETAILS
C-501	SITE DETAILS
C-502	SITE DETAILS
C-503	SITE DETAILS
	<b>ARCHITECTURE - CORE/SHELL/ENVELOPE</b>
G-004	ABBREVIATIONS, GRAPHIC SYMBOLS LEGEND, ADA DETAILS AND CLEARANCES
G-005	ADA MOUNTING DETAILS AND MISCELLANEOUS DETAILS
G-006	CODE DATA - BUILDING NO. 1 - SHEET 1
G-007	CODE DATA - BUILDING NO. 1 - SHEET 2
G-008	CODE DATA - BUILDING NO.2 - SHEET 1
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G-010	TYPICAL FIRESTOPPING DETAILS
G-011	TYPICAL FIRESTOPPING DETAILS AND PARTITION TERMINATING DETAILS
G-012	TYPICAL FIRESTOPPING DETAILS SHAFT WALLS AND PARTITIONS
G-013	PARTITION TYPES
G-014	PARTITION TYPES
G-015	SIGNAGE DETAILS AND NOTES
G1-100	BUILDING NO. 1 - LEVEL 0 - UNDERGROUND EGRESS, OCCUPANCY AND WALL RATINGS PLAN
G1-101	BUILDING NO. 1 - LEVEL 1 - GROUND FLOOR EGRESS, OCCUPANCY AND WALL RATINGS PLAN
G1-102	BUILDING NO. 1 - LEVEL 2 - EGRESS, OCCUPANCY AND WALL RATINGS PLAN
G1-103	BUILDING NO. 1 - LEVEL 3 - EGRESS, OCCUPANCY AND WALL RATINGS PLAN
G1-104	BUILDING NO. 1 - LEVEL 4 - EGRESS, OCCUPANCY AND WALL RATINGS PLAN
G1-105	BUILDING NO. 1 - LEVEL 5 - EGRESS, OCCUPANCY AND WALL RATINGS PLAN
G1-106	BUILDING NO. 1 - LEVEL 6 - EGRESS, OCCUPANCY AND WALL RATINGS PLAN
G2-110	BUILDING NO. 2 - LEVEL 0 - GROUND FLOOR EGRESS, OCCUPANCY AND WALL RATING
G2-111	BUILDING NO. 2 - LEVEL 1 - GROUND FLOOR EGRESS, OCCUPANCY AND WALL RATING
G2-112	BUILDING NO. 2 - LEVEL 2 - GROUND FLOOR EGRESS, OCCUPANCY AND WALL RATING
G2-113	BUILDING NO. 2 - LEVEL 3 - GROUND FLOOR EGRESS, OCCUPANCY AND WALL RATING
G2-114	BUILDING NO. 2 - LEVEL 4 - GROUND FLOOR EGRESS, OCCUPANCY AND WALL RATING
G2-115	BUILDING NO. 2 - LEVEL 5 - GROUND FLOOR EGRESS, OCCUPANCY AND WALL RATING
G2-116	BUILDING NO. 2 - LEVEL 6 - GROUND FLOOR EGRESS, OCCUPANCY AND WALL RATING
G2-117	BUILDING NO. 2 - LEVEL 7 - GROUND FLOOR EGRESS, OCCUPANCY AND WALL RATING
AS-100	ARCHITECTURAL SITE PLAN
AS-101	OUTDOOR PLAZA PLAN
CS-100	BUILDING NO. 1 - LEVEL 0 - UNDERGROUND FLOOR PLAN
CS-101	BUILDING NO. 1 - LEVEL 1 - GROUND FLOOR PLAN
CS-102	BUILDING NO. 1 - LEVEL 2 - FLOOR PLAN
CS-103	BUILDING NO. 1 - LEVEL 3 - FLOOR PLAN
CS-104	BUILDING NO. 1 - LEVEL 4 - FLOOR PLAN
CS-105	BUILDING NO. 1 - LEVEL 5 - FLOOR PLAN
CS-106	BUILDING NO. 1 - LEVEL 6 - ROOF PLAN AND PENTHOUSE ROOF PLAN
CS-107	BUILDING NO. 1 - LEVEL 6 - ROOF PLAN AT PAVERS AND EQUIPMENT PLATFORM
CS-108	BUILDING NO. 1 - ROOF PLAN AT TOP OF TRELLIS AND EQUIPMENT PLATFORM
CS-110	BUILDING NO. 2 - LEVEL 0 - GROUND FLOOR
CS-111	BUILDING NO. 2 - LEVEL 1 - FLOOR PLAN
CS-112	BUILDING NO. 2 - LEVEL 2 - FLOOR PLAN
CS-113	BUILDING NO. 2 - LEVEL 3 - FLOOR PLAN
CS-114	BUILDING NO. 2 - LEVEL 4 - FLOOR PLAN
CS-115	BUILDING NO. 2 - LEVEL 5 - FLOOR PLAN
CS-116	BUILDING NO. 2 - LEVEL 6 - FLOOR PLAN
CS-117	BUILDING NO. 2 - LEVEL 7 - ROOF PLAN AND PENTHOUSE ROOF PLAN
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CS-200	BUILDING NO. 1 - UNDERGROUND LEVEL REFLECTED CEILING PLAN
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CS-202	BUILDING NO. 1 - LEVEL 2 - REFLECTED CEILING PLAN
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CS-302	BUILDING NO.1 SLAB EDGE PLANS
CS-303	BUILDING NO.1 SLAB EDGE PLANS
CS-304	BUILDING NO.1 SLAB EDGE PLANS
CS-305	BUILDING NO.1 SLAB EDGE PLANS
CS-311	BUILDING NO.2 SLAB EDGE PLANS
CS-312	BUILDING NO.2 SLAB EDGE PLANS
CS-313	BUILDING NO.2 SLAB EDGE PLANS
CS-314	BUILDING NO.2 SLAB EDGE PLANS
CS-315	WATERPROOFING PLANS
A-301	OVERALL EXTERIOR ELEVATIONS
A-302	OVERALL EXTERIOR ELEVATIONS
A-303	BUILDING NO. 1 - SOUTH ELEVATION
A-304	BUILDING NO. 1 - WEST ELEVATION
A-305	BUILDING NO. 1 - NORTH ELEVATIONS

A-306	BUILDING NO. 1 - EAST ELEVATION
A-307	BUILDING NO.1 - UNDERGROUND PARKING ELEVATIONS
A-308	BUILDING NO. 2 - SOUTH ELEVATIONS
A-309	BUILDING NO.2 - WEST ELEVATIONS
A-310	BUILDING NO. 2 - NORTH ELEVATIONS
A-311	BUILDING NO. 2 - EAST ELEVATIONS
A-321A	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 SOUTH
A-321B	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 SOUTH
A322A	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 WEST
A-322B	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 WEST
A-323A	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 NORTH
A-323B	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 NORTH
A-324A	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 EAST
A-324B	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 EAST
A-331A	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 SOUTH
A-331B	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 SOUTH
A-331C	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 SOUTH
A-332A	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 WEST
A-332B	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 WEST
A-332C	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 WEST
A-333A	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 NORTH
A-333B	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 NORTH
A-333C	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 NORTH
A-334A	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 EAST
A-334B	ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 EAST
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A-335	ENLARGED PLANS - BUILDING NO. 1 PENTHOUSE ROOF AND EMR
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A-350	EXTERIOR WALL ASSEMBLY TYPICAL PLAN DETAILS
A-500	BUILDING CROSS SECTIONS
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A-503	BUILDING CROSS SECTION - BUILDING 1
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A-505	UNDERGROUND GARAGE CROSS SECTIONS (EAST - WEST)
A-506	UNDERGROUND GARAGE CROSS SECTIONS (NORTH - SOUTH)
A-507	UNDERGROUND LEVEL WALL SECTIONS
A-508	UNDERGROUND LEVEL WALL SECTIONS
A-510	WALL SECTIONS - BUILDING 1
A-511	WALL SECTIONS - BUILDING 1
A-512	WALL SECTIONS - BUILDING 1
A-513	WALL SECTIONS - BUILDING 1
A-514	WALL SECTIONS - BUILDING 1
A-515	WALL SECTIONS - BUILDING 1
A-516	BUILDING 1 ROOF TRELLIS AND RAILING DETAILS
A-517	WALL SECTIONS - BUILDING 1 PENTHOUSE
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A-522	WALL SECTIONS - BUILDING 2
A-523	WALL SECTIONS - BUILDING 2
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A-552	ROOF DETAILS
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A-608	BUILDING NO. 1 - COMMUNICATING STAIR PLANS AND SECTIONS
A-609	BUILDING NO. 2 - COMMUNICATING STAIR PLANS AND SECTIONS
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A-611	STAIR DETAILS
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S-103	BUILDING NO. 1 - LEVEL 2 - FRAMING PLAN

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S-112	BUILDING NO. 2 - LEVEL 2 FRAMING PLAN
S-113	BUILDING NO. 2 - LEVEL 3 THRU LEVEL 6 FRAMING PLANS
S-114	BUILDING NO. 2 - ROOF & ELEVATOR OVERRUN FRAMING PLANS
S-115	BUILDING NO. 2 - DUNNAGE/LOW SCREENWALL FRAMING PLAN
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S-117	BUILDING NO. 2 - PARTIAL ROOF FRAMING PLANS
S-200	GENERAL NOTES
S-201	SCHEDULES
S-202	SPECIAL INSPECTIONS TABLES
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S-404	FRAMING SECTIONS
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S-407	FRAMING SECTIONS
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S-500	SHEARWALL ELEVATIONS
S-501	SHEARWALL ELEVATIONS
S-502	SHEARWALL ELEVATIONS
S-503	SHEARWALL ELEVATIONS
S-504	SHEARWALL ELEVATIONS
	<b>END VOLUME 1</b>
	<b>INTERIOR FITOUT AND BALANCE OF ENGINEERING SCOPE CONTINUES IN VOLUME 2</b>



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

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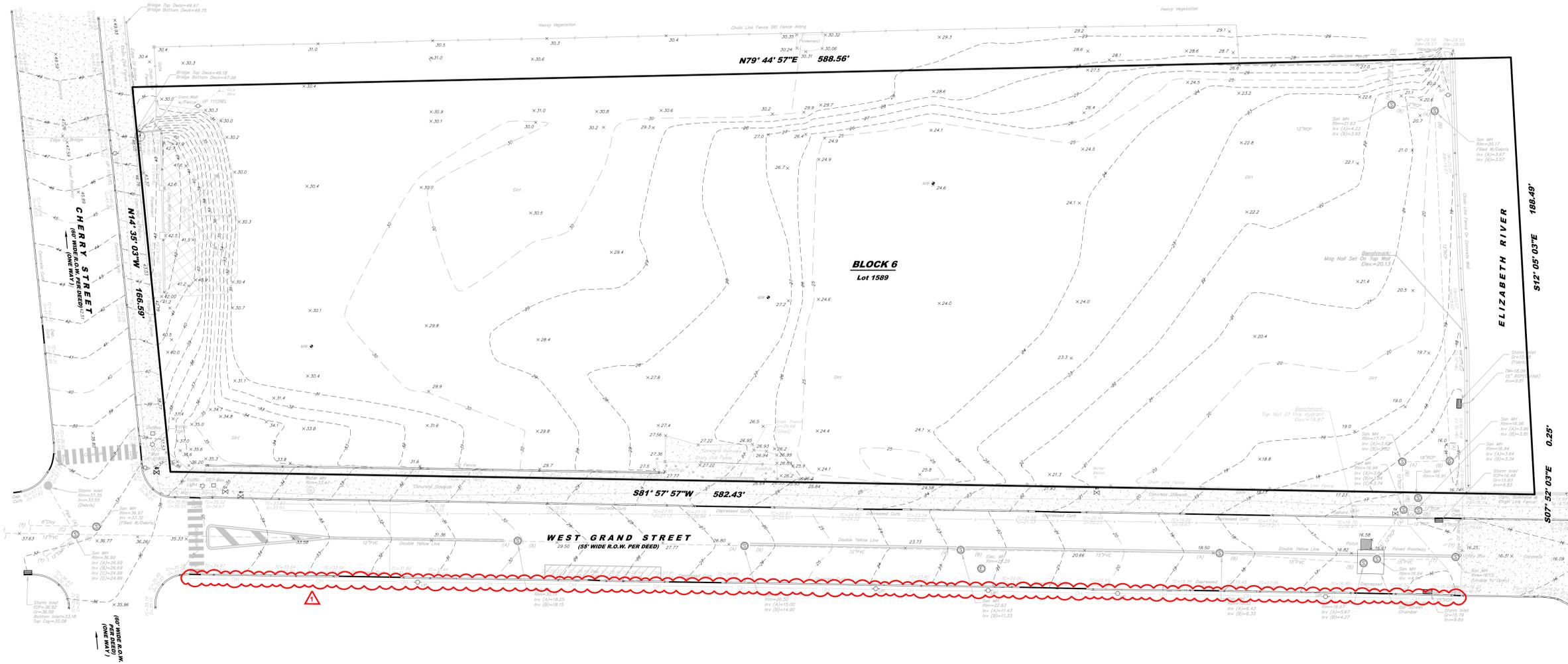
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

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

Sheet Name:  
**LIST OF DRAWINGS 1 OF 3**

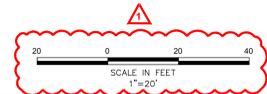
Sheet No:  
**G-001**



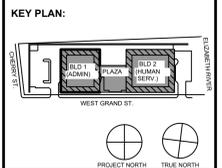
**LEGEND**


**MAP REFERENCES:**

- EXISTING CONDITIONS WERE TAKEN FROM A PLAN ENTITLED "EXISTING CONDITIONS PLAN PREPARED FOR UNION COUNTY GOVERNMENT COMPLEX, BLOCK 1589, LOT 6, SITUATED IN THE CITY OF ELIZABETH, UNION COUNTY, NEW JERSEY," DATED MAY 25, 2023 PREPARED BY FRENCH AND PARRELLO ASSOCIATES.
- BOUNDARY AND TOPOGRAPHIC INFORMATION WERE TAKEN FROM A PLAN ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY 61-99 WEST GRAND STREET TAX ACCOUNT: 6-1589 CITY OF ELIZABETH, UNION COUNTY, NEW JERSEY," DATED JULY 24, 2019 PREPARED BY NEGLIA ENGINEERING ASSOCIATES.



**KEITH B. SMITH, PE, PP**  
PROFESSIONAL ENGINEER, NJ LIC No 33232



STATE PROJECT NO.  
0000-000-00-0000

No.	Date	Description
12/11/24	11/08/23	11/08/23 FOR PUBLIC BID
		Revisions / Issues



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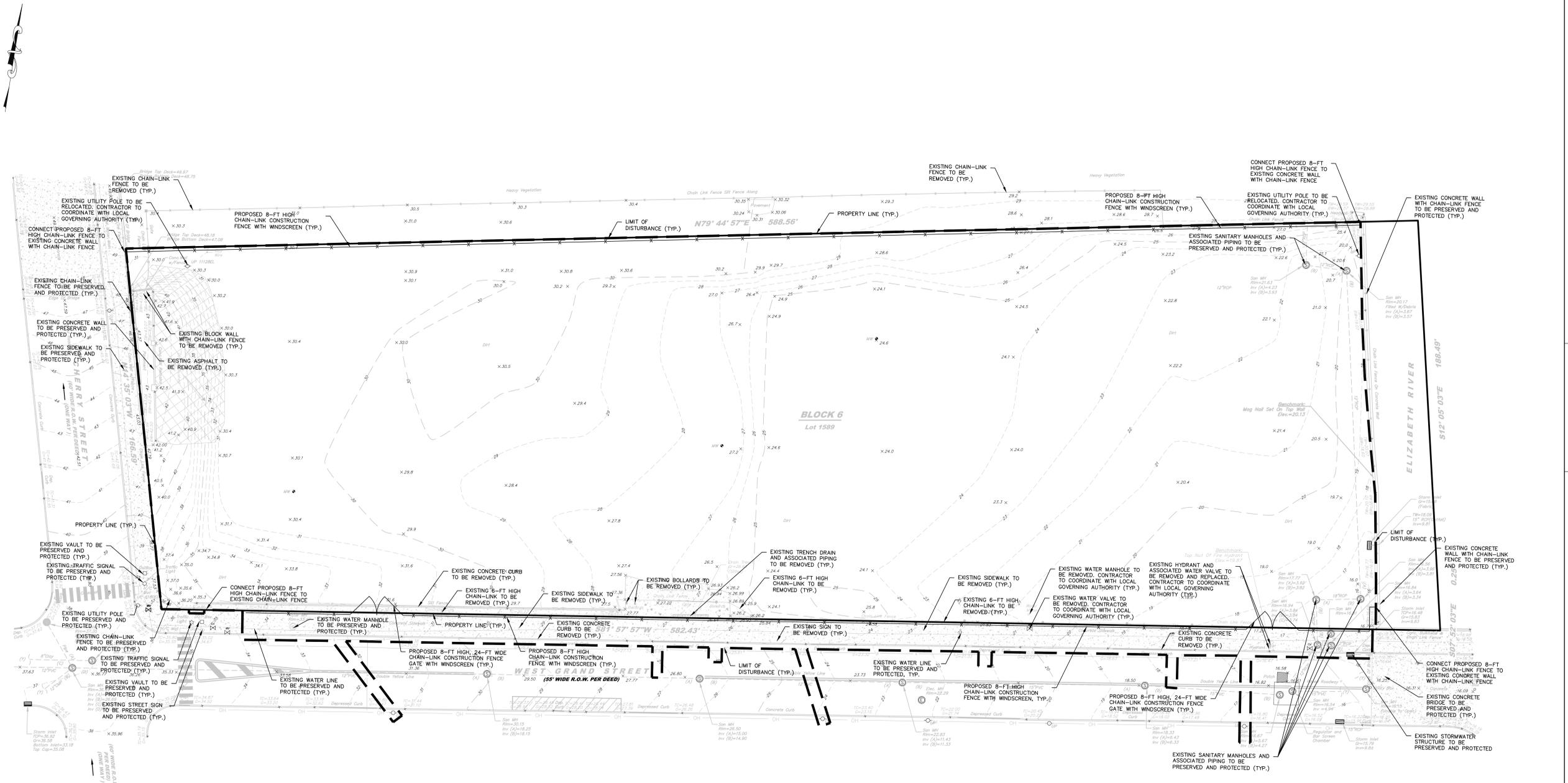
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

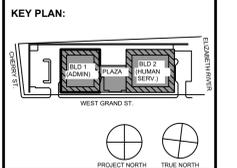
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: WJS  
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Sheet Name:  
**BOUNDARY, TOPOGRAPHIC & UTILITY SURVEY**

Sheet No:  
**VT101**



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STATE PROJECT NO.  
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No.	Date	Description
1	11/18/23	FOR PUBLIC BID
2		NO DATE
3		NO DATE
4		NO DATE



Jeffrey D. Venezia, AIA  
 NJ RA AI 00827100

**GENERAL NOTES:**

- EXISTING CONDITIONS WERE TAKEN FROM A PLAN ENTITLED "EXISTING CONDITIONS PLAN PREPARED FOR UNION COUNTY GOVERNMENT COMPLEX, BLOCK 1589, LOT 6, SITUATED IN THE CITY OF ELIZABETH, UNION COUNTY, NEW JERSEY," DATED MAY 25, 2023 PREPARED BY FRENCH AND PARRELO ASSOCIATES.
  - BOUNDARY AND TOPOGRAPHIC INFORMATION WERE TAKEN FROM A PLAN ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY 81-89 WEST GRAND STREET TAX ACCOUNT: 6-1589 CITY OF ELIZABETH, UNION COUNTY, NEW JERSEY" DATED JULY 24, 2019 PREPARED BY NEGLIA ENGINEERING ASSOCIATES.
  - SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR FOR THE DURATION OF THE PROJECT. ALL PERSONNEL WORKING OR VISITING THE SITE SHALL BE PROVIDED A PROJECT SAFETY BRIEFING. THE CONTRACTOR SHALL DESIGNATE A TRAINED, RESPONSIBLE INDIVIDUAL FOR ALL SAFETY RELATED ITEMS. THIS PERSON SHALL HAVE THE AUTHORITY TO SUSPEND WORK SHOULD AN UNSAFE CONDITION BE ENCOUNTERED.
  - BY SUBMITTING A BID, THE BIDDER WARRANTS THAT HE HAS CAREFULLY EXAMINED THE SITE AND HAS FAMILIARIZED HIMSELF WITH ALL PROVISIONS OF THE CONTRACT DOCUMENTS AND THAT WHERE THE DRAWINGS AND SPECIFICATIONS REQUIRE A GIVEN RESULT, SUCH RESULT CAN BE PRODUCED UNDER THE TERMS OF THE CONTRACT DOCUMENTS.
  - THE CONTRACTOR SHALL PROCURE AND PAY FOR ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT HIS WORK IN FULL ACCORDANCE WITH REQUIREMENTS OF ALL REGULATIONS AND AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS AND ALL CODES, RULES AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITY CONTROLLING OR LIMITING THE METHODS, MATERIAL TO BE USED, OR THE ACTIONS OF OF THOSE EMPLOYED IN WORK OF THIS KIND. ALL WORK, LABOR OR MATERIAL NECESSARY TO COMPLY WITH THESE LAWS, CODES, RULES AND REGULATIONS SHALL BE PERFORMED AND FURNISHED BY THE CONTRACTOR.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FERTILIZING AND SEEDING ALL LAWN AREAS DISTURBED BY HIS ACTIVITIES WITHIN THE LIMITS OF THE PROJECT SITE.
  - THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY EQUIPMENT AND METHODS TO KEEP EXCAVATIONS FREE OF WATER AND PROTECT WORK AND ADJACENT STRUCTURES FROM DAMAGE BY WATER DURING ALL STAGES OF HIS ACTIVITIES. NO SEPARATE PAYMENT WILL BE MADE FOR DEWATERING OPERATIONS AND ALL COSTS THEREOF SHALL BE INCLUDED IN THE PRICE BID FOR THIS PROJECT.
- UTILITY LOCATIONS SHOWN ON THESE PLANS ARE FROM ABOVE GROUND OBSERVATIONS AND FROM RECORD INFORMATION PROVIDED BY THE UTILITY COMPANIES. THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE LOCATION AND TYPE OF UTILITIES IS NOT GUARANTEED TO BE ACCURATE NOR ALL INCLUSIVE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTRACTING THE RESPECTIVE UTILITY COMPANIES FOR GAS, ELECTRIC, WATER, PHONE AND CABLE TV SERVICE LOCATIONS. THE GENERAL CONTRACTOR IS TO CONTACT THE UTILITY COMPANIES 72 HOURS PRIOR TO CONSTRUCTION. THE GENERAL CONTRACTOR SHALL USE THE UTILITY LOCATIONS SHOWN AS AN AID IN DETERMINING THE EXACT LOCATIONS.
- IN ADDITION, THE GENERAL CONTRACTOR MUST CONTACT "ONE CALL SYSTEM" AT 1-800-272-1000 FOR A CURRENT UTILITY MARK OUT, 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION OF TEST PITS IN ORDER TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING UTILITIES WHERE THERE MAY BE POSSIBLE CONFLICTS WITH THE PROPOSED SITE IMPROVEMENTS. IN THE EVENT THAT THE EXISTING UTILITIES CONFLICT WITH THE PROPOSED IMPROVEMENTS, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE RESPECTIVE UTILITY COMPANY TO LOOP, EXTEND AND/OR RELOCATE THE EXISTING UTILITY AS NECESSARY. ANY EXCAVATIONS WITHIN 24 INCHES OF EXISTING GAS FACILITIES MUST BE DONE BY HAND. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF THE EXISTING SURFACE. IN ADDITION, THE GENERAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL NECESSARY PERMITS REQUIRED FOR THIS WORK.

**UTILITY NOTES:**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE RESPECTIVE UTILITY COMPANIES PRIOR TO DEMOLITION OR CONSTRUCTION ACTIVITIES TO DETERMINE THE EXACT LOCATIONS AS NECESSARY AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. UTILITY LOCATIONS SHOWN ON THESE PLANS ARE FROM ABOVE-GROUND OBSERVATIONS. IN ADDITION, THE LOCATION AND TYPE OF THE EXISTING UTILITIES SHOWN ON THESE PLANS IS NOT GUARANTEED TO BE ACCURATE NOR ALL INCLUSIVE. THE CONTRACTOR SHALL USE THE EXISTING UTILITY LOCATIONS SHOWN AS AN AID IN DETERMINING EXACT LOCATIONS. THE CONTRACTOR MUST CONTACT THE "ONE CALL SYSTEM" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION, DEMOLITION AND/OR CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE EXACT LOCATION OF THE EXISTING UTILITIES, AS REQUIRED TO PERFORM THE DEMOLITION AND CONSTRUCTION ACTIVITIES WHICH MAY INCLUDE EXCAVATION OF TEST PITS, HAND EXCAVATION, RETAIN THE SERVICES OF AN UNDERGROUND UTILITY LOCATION CONTRACTOR, PERFORMING GROUND PENETRATION RADAR OR OTHER MEANS AND METHODS AS REQUIRED BY THE CONTRACTOR TO LOCATE AND PROTECT THE UTILITIES AS INDICATED ON THE PLANS AND SPECIFICATIONS FROM DAMAGE OR DISRUPTION BY HIS ACTIVITIES.
- IF ANY UTILITY FACILITIES ARE DISRUPTED OR DAMAGED DURING THE CONSTRUCTION WORK ASSOCIATED WITH THIS PROJECT, THE CONTRACTOR IS RESPONSIBLE FOR RESTORING THE UTILITY FACILITIES BY THE END OF THE WORKING DAY AT NO ADDITIONAL EXPENSE TO THE OWNER.
- THE CONTRACTOR SHALL PROCURE ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT HIS WORK IN FULL ACCORDANCE WITH REQUIREMENTS OF ALL REGULATIONS AND AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS AND ALL CODES, RULES AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITY CONTROLLING OR LIMITING THE METHODS, MATERIAL TO BE USED, OR THE ACTIONS OF OF THOSE EMPLOYED IN WORK OF THIS KIND. ALL WORK, LABOR OR MATERIAL NECESSARY TO COMPLY WITH THESE LAWS, CODES, RULES AND REGULATIONS SHALL BE PERFORMED AND FURNISHED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FERTILIZING AND SEEDING ALL AREAS DISTURBED BY HIS ACTIVITIES WITHIN THE LIMITS OF THE PROJECT SITE. PAVEMENT REPLACEMENT AND ALL OTHER SITE RESTORATION WORK WITHIN THE PROJECT SITE SHALL MEET THE REQUIREMENTS OUTLINED IN THE SPECIFICATIONS AND CONTRACT PLANS.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY EQUIPMENT AND METHODS TO KEEP EXCAVATIONS FREE OF WATER AND PROTECT WORK AND ADJACENT STRUCTURES FROM DAMAGE BY WATER DURING ALL STAGES OF HIS ACTIVITIES. NO SEPARATE PAYMENT WILL BE MADE FOR DEWATERING OPERATIONS AND ALL COSTS THEREOF SHALL BE INCLUDED IN THE PRICE BID FOR THIS PROJECT.
- THE CONTRACTOR SHALL FURNISH, PLACE AND MAINTAIN SHEETING, BRACING, SHORING AND OTHER SUPPORTS REQUIRED BY HIS WORK AND TO PROTECT ADJACENT STRUCTURES. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND ALL COSTS THEREOF SHALL BE INCLUDED IN THE PRICE BID FOR THIS PROJECT.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE ANY AND ALL SAFETY BARRIERS TO PROPERLY SECURE HIS PROJECT WORK AREA. THE SAFETY STANDARDS MUST INCLUDE BUT ARE NOT LIMITED TO SAFETY CONES, SNOW PLASTIC FENCE, TEMPORARY FENCING, BARRICADES, SIGNAGE AND FLAGMAN AS REQUIRED TO MAINTAIN A SAFE AND SECURE WORK AREA.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO ASSIST WITH SECURING THE PARKING, ACCESS DRIVEWAYS AND/OR WALKWAYS AS MAY BE REQUIRED TO PERFORM THE DEMOLITION.

**TRAFFIC CONTROL NOTES:**

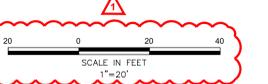
- THE CONTRACTOR IS RESPONSIBLE TO INSURE THE SAFE, ORDERLY AND EXPEDITIOUS CIRCULATION OF VEHICULAR AND PEDESTRIAN TRAFFIC FLOW AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 12 FEET WIDE, TRAVEL LANE FOR EACH DIRECTION OF TRAFFIC FLOW ALONG THE ADJACENT ROADWAYS, AT ALL TIMES DURING HIS CONSTRUCTION ACTIVITIES, TO ALLOW LOCAL AND EMERGENCY TRAFFIC ACCESS.
- WATCHMEN AND FLAGMEN SHALL BE EMPLOYED BY THE CONTRACTOR FOR THE PROTECTION OF ANY EQUIPMENT ENTERING, LEAVING OR CROSSING ACTIVE TRAFFIC LANES, OR AS MAY BE REQUIRED FOR ROUTING OF ANY TRAFFIC AROUND OR THROUGH THE CONSTRUCTION. WATCHMEN AND FLAGMEN WILL BE EMPLOYED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- BEFORE BEGINNING WORK ON ANY STAGE OF THE PROJECT, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL WARNING SIGNS, BARRICADES, TRAFFIC GUIDES, LIGHTS, SAFETY CONES AND OTHER DEVICES AS NECESSARY TO PROTECT THE PUBLIC DURING THAT PHASE OF HIS OPERATIONS. IN ADDITION, THE CONTRACTOR MUST NOTIFY ANY TENANTS OR PROPERTY OWNERS AT LEAST ONE WEEK PRIOR TO ANY ACTIVITIES THAT MAY EFFECT EXISTING OFF-STREET PARKING AND/OR THE FLOW OF TRAFFIC.
- ALL NECESSARY REGULATORY AND WARNING SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LAST REVISED AND SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR.
- IN THE EVENT THAT THE CONTRACTOR WISHES TO DETOUR TRAFFIC, THE CONTRACTOR MUST OBTAIN APPROVAL FROM THE OWNER BY PREPARING ALL THE NECESSARY PLANS AND DOCUMENTATION THAT MAY BE REQUIRED. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THIS PROJECT.

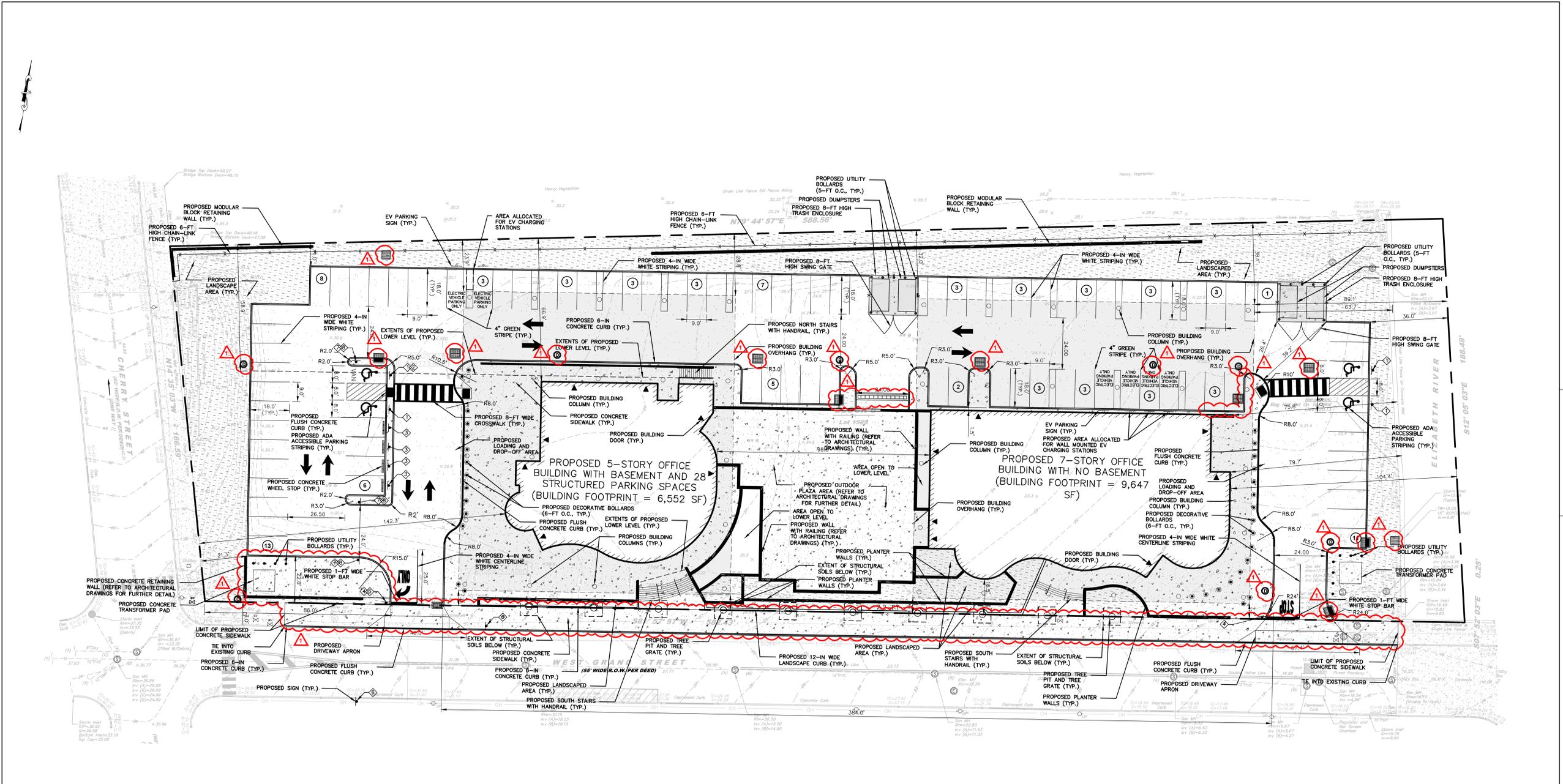
**DEMOLITION NOTES:**

- ALL EXISTING SITE FEATURES AND STRUCTURES SHALL BE DEMOLISHED AND REMOVED SHALL BE DONE IN SUCH A MANNER SO AS TO MINIMIZE DISTURBANCE TO THE SURROUNDING PROPERTIES. NO DUST, PARTICLES OF DEBRIS OR WATER FROM THE DUST CONTROL SHALL BE PERMITTED OUTSIDE OF THE DESIGNATED WORK AREAS.
- ALL EXISTING SITE FEATURES AND STRUCTURES SHALL BE DEMOLISHED IN THEIR ENTIRETY, OR AS REQUIRED TO CONSTRUCT SITE IMPROVEMENT ELEMENTS. THE CONTRACTOR IS RESPONSIBLE TO FILL EXCAVATED VOIDS WITH DENSE GRADED AGGREGATE WHICH MUST BE PLACED AND COMPACTED PER THE SPECIFICATIONS. ALL DISTURBED AREAS MUST BE FINE GRADED, COVERED WITH A MINIMUM OF 5" OF TOPSOIL, AND THEN SEEDING IN ACCORDANCE WITH SPECIFICATIONS.
- DURING ALL DEMOLITION AND CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL A SILT FENCE AND HAY BALE SEDIMENT BARRIERS AROUND THE PERIMETERS OF THE WORK AREAS TO MAINTAIN ADEQUATE SILT AND SOIL EROSION CONTROL AND ADEQUATE WATER DRAINAGE AROUND DISTURBED AREAS TO MAINTAIN ADEQUATE CONTROL UNTIL BACKFILLING AND REGRADING OPERATIONS ARE COMPLETED AND THE AREA IS STABILIZED.
- UPON COMPLETION OF THE CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL REMOVE ALL MATERIALS AND DEBRIS FROM THE PROJECT SITE AND AS DIRECTED BY THE OWNER. THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR FERTILIZING AND SEEDING ALL EXPOSED AREAS IN THE PROJECT SITE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL DEBRIS, CONCRETE, ASPHALT, STONE, SOIL MATERIALS, TOPSOIL, VEGETATION AND ANY MATERIALS GENERATED DURING HIS DEMOLITION AND CONSTRUCTION ACTIVITIES. ALL EXCESS DEBRIS AND MATERIALS MUST BE REMOVED TO A NJDEP APPROVED LANDFILL. NO ON-SITE BURIAL OF DEBRIS WILL BE ALLOWED.

**LEGEND**

○	IRON PIPE FOUND
●	CAPRED REBAR FOUND
■	CONCRETE MONUMENT FOUND
■	CONCRETE MONUMENT SET
○	SURVEY
(FM)	FILE MAP
⊖	GAS METER
⊖	DEPRESSED CURB
FC	FLUSH CURB
⊖	WETLAND DATA POINT
⊖	WETLAND FLAG LOCATION
⊖	PHOTOGRAPH LOCATION AND DIRECTION
—	COMMUNICATION LINE
—	UNKNOWN UTILITY
—	DRAINAGE LINE
—	ELECTRIC LINE
—	GAS LINE
—	SANITARY SEWER LINE
—	SAWCUT
---	LIMIT OF DISTURBANCE
✕	REMOVE
⊖	LIMITS OF FULL DEPTH PAVEMENT REMOVAL





**MAP REFERENCES:**

- EXISTING CONDITIONS AND TOPOGRAPHIC INFORMATION OBTAINED FROM A PLAN ENTITLED "EXISTING CONDITIONS PLAN PREPARED FOR UNION COUNTY GOVERNMENT COMPLEX, BLOCK 1569, LOT 6, SITUATED IN THE CITY OF ELIZABETH, UNION COUNTY, NEW JERSEY," DATED MAY 25, 2022, PREPARED BY FRENCH & PARRELO ASSOCIATES.
- TOPOGRAPHIC METES AND BOUND WERE TAKEN FROM A PLAN ENTITLED "BOUNDARY, TOPOGRAPHIC, & UTILITY SURVEY" DATED AUGUST 31, 2021 PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. LOCATION OF THE PROPERTY LIMITS ARE APPROXIMATE.
- PROPOSED BUILDING INFORMATION OBTAINED ELECTRONICALLY FROM RSC ARCHITECTS ON DECEMBER 14, 2021.

**LEGEND**

<ul style="list-style-type: none"> <li>IRON PIPE FOUND</li> <li>CAPPED REBAR FOUND</li> <li>CONCRETE MONUMENT FOUND</li> <li>CONCRETE MONUMENT SET SURVEY</li> <li>FILE MAP</li> <li>GAS METER</li> <li>DEPRESSED CURB</li> <li>FLUSH CURB</li> <li>WETLAND DATA POINT</li> <li>WETLAND FLAG LOCATION</li> <li>PHOTOGRAPH LOCATION AND DIRECTION</li> <li>UNKNOWN UTILITY</li> <li>DRAINAGE LINE</li> <li>ELECTRIC LINE</li> <li>GAS LINE</li> <li>SANITARY SEWER LINE</li> </ul>	<ul style="list-style-type: none"> <li>GAS VALVE</li> <li>WATER VALVE</li> <li>WATER METER</li> <li>UTILITY MANHOLE</li> <li>DRAINAGE MANHOLE</li> <li>ELECTRICAL MANHOLE</li> <li>SANITARY MANHOLE</li> <li>TELEPHONE MANHOLE</li> <li>TRAFFIC SIGN</li> <li>TRAFFIC SIGN (2 POST)</li> <li>STREET SIGN</li> <li>EXISTING LIGHT POST</li> <li>UTILITY POLE</li> <li>UTILITY POLE WITH LIGHT</li> <li>FIRE HYDRANT</li> <li>DRAINAGE INLET (TYPE "A")</li> <li>DRAINAGE INLET (TYPE "B")</li> <li>DRAINAGE INLET (TYPE "E")</li> <li>TELEPHONE LINE</li> <li>WATER LINE</li> <li>OVERHEAD WIRES</li> <li>MONITORING WELL</li> </ul>
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- GENERAL NOTES**
- THESE PLANS REPRESENT OVERALL SITEWORK IMPROVEMENTS REQUIRED FOR PROJECT CONSTRUCTION. THE WORK TO BE PERFORMED IS SHOWN ON THE DRAWINGS AND IS DESCRIBED IN THE CONTRACT SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION; AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT ALL SPECIFIC SITE DETAILS OF INSTALLATION REQUIRED FOR SITEWORK CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL IMPROVEMENTS REQUIRED TO ACHIEVE CONSTRUCTION DEPICTED ON THESE PLANS.
  - THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS AS DEEMED NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
  - THE CONTRACTOR SHALL, WHEN HE/SHE DEEMS NECESSARY, PROVIDE WRITTEN REQUESTS FOR INFORMATION (RFI) TO THE OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM. THE (RFI) SHALL BE IN A FORM ACCEPTABLE TO OWNER AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF TEN WORK DAYS OR ADDITIONAL REASONABLE TIME FOR A WRITTEN REPLY. RFI SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITEWORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.
  - INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION ON THE DRAWINGS. CONTRACTOR SHALL SPECIFICALLY REVIEW ALL PLANS, PROFILES AND ANY INFORMATION/DATA TABLES FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S ENGINEER IN WRITING PRIOR TO CONSTRUCTION.
  - THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED ON SHEETS THROUGHOUT THE PLAN SET AND AVAILABLE REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL APPLICABLE REQUIREMENTS.
  - CONTRACTOR IS SPECIFICALLY CAUTIONED THAT ALL CONSTRUCTION STAKEOUT FOR THIS PROJECT MUST BE COMPLETED FROM THE SITE SPECIFIC SURVEY CONTROL (HORIZONTAL AND VERTICAL) UPON WHICH THE DESIGN IS BASED. THE CONTRACTOR SHOULD NOT RELY ON OR RE-ESTABLISH SURVEY CONTROL BY GPS OR OTHER METHODS FOR USE IN CONSTRUCTION STAKEOUT OR ANY OTHER PURPOSE FOR THIS PROJECT. ANY DISCREPANCIES BETWEEN THE EXISTING HORIZONTAL OR VERTICAL DATA SHOWN ON THESE DRAWINGS AND THAT ENCOUNTERED IN THE FIELD MUST BE REPORTED TO THE DESIGN TEAM PRIOR TO CONSTRUCTION FOR RESOLUTION.
  - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL DRAINAGE AND UTILITY STRUCTURES AND MANUFACTURED PRODUCTS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH CONSTRUCTION.
  - SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND DETAILS CONTIGUOUS TO THE BUILDING, INCLUDING BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOOR PADS, BOLLARDS, ETC.
  - SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS.
  - CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
  - CONTRACTOR TO CONFIRM ALL ADA WORK IS PERFORMED IN ACCORDANCE WITH THE LATEST STANDARD AND REGULATIONS PER APPLICABLE CITY OF ELIZABETH, UNION COUNTY, STATE OF NEW JERSEY AND FEDERAL CODES.

REFER TO ARCHITECTURAL PLANS FOR DETAILS OF SITE PLAN ELEMENTS INSTALLED ON STRUCTURE, INCLUDING CONCRETE CURBS, CONCRETE SIDEWALK, ASPHALT PAVING, DECORATIVE BOLLARDS, SIGNAGE, DETECTABLE WARNING SURFACES, WATERPROOFING, ROOFTOP PLAZA AREA, ETC.

**PROPOSED PARKING SUMMARY**

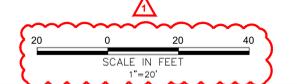
BELOW-GRADE STRUCTURED PARKING	28 PARKING SPACES (3 ACCESSIBLE)
SURFACE PARKING	92 PARKING SPACES (4 ACCESSIBLE)
TOTAL PROPOSED PARKING SPACES	120 PARKING SPACES (7 ACCESSIBLE)

**SIGN LEGEND**

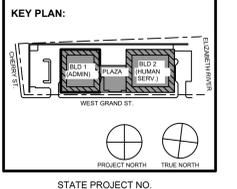
**LEGEND**

DESCRIPTION	PROPOSED
PROPERTY LINE	[Symbol]
CURB LINE	[Symbol]
BUILDING LINE	[Symbol]
CONC. SIDEWALK/PAD	[Symbol]
HEAVY DUTY CONC. PAD	[Symbol]
SIGN (SEE LEGEND)	[Symbol]
PARKING COUNT (ROW)	[Symbol]
LANDSCAPED AREA	[Symbol]
EXTENTS OF PROPOSED LOWER LEVEL	[Symbol]
RETAINING WALL	[Symbol]
EXTENT OF STRUCTURAL SOILS	[Symbol]

- NOTES:**
- ALL PROPOSED SIGNAGE MUST CONFORM WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR SIZE, LEGEND AND PLACEMENT.
  - ACCESSIBLE PARKING SIGNS SHALL CONFORM TO ALL ADA AND LOCAL REQUIREMENTS.
  - 'VAN ACCESSIBLE' SIGNAGE TO BE PLACED AT PARKING SPACES DESIGNATED AS 'VAN ACCESSIBLE' SPACES.



KEITH B. SMITH, PE, PP  
PROFESSIONAL ENGINEER, NJ LIC NO 33322



No.	Date	Description
11/08/23	11/08/23	FOR PUBLIC BID

Revisions / Issues



Jeffrey D. Venezia, AIA  
NJ RA AI 00827100

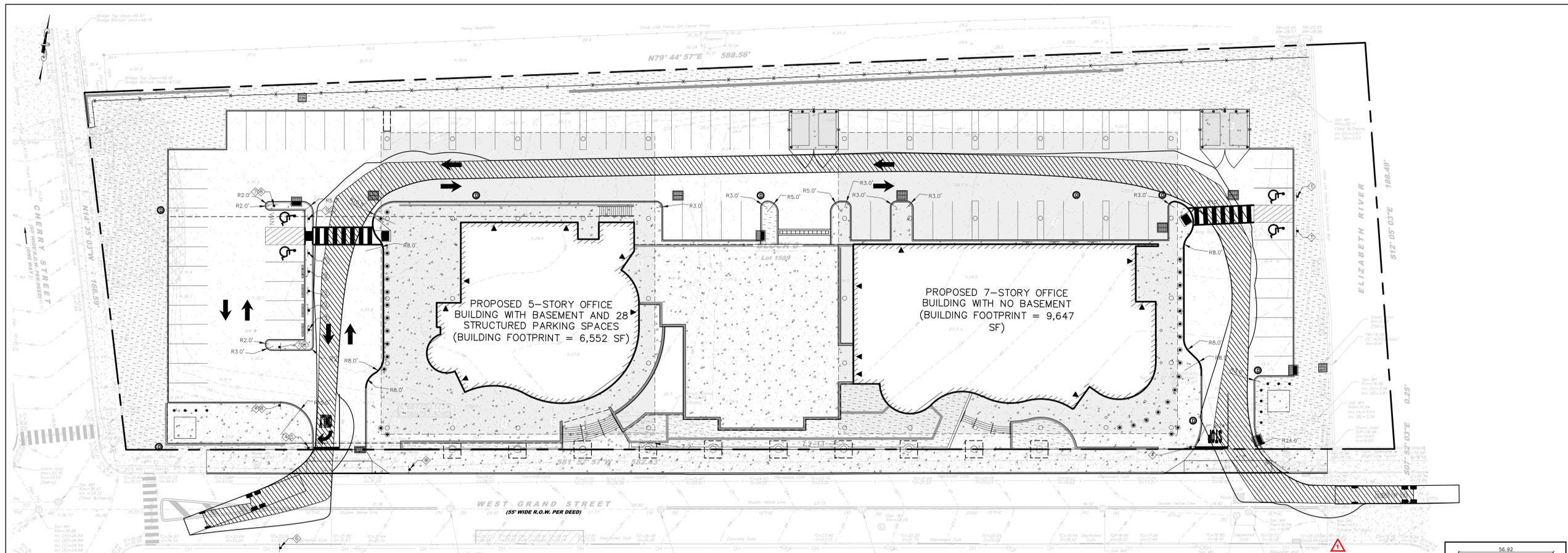
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**UNION COUNTY IMPROVEMENT AUTHORITY**

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

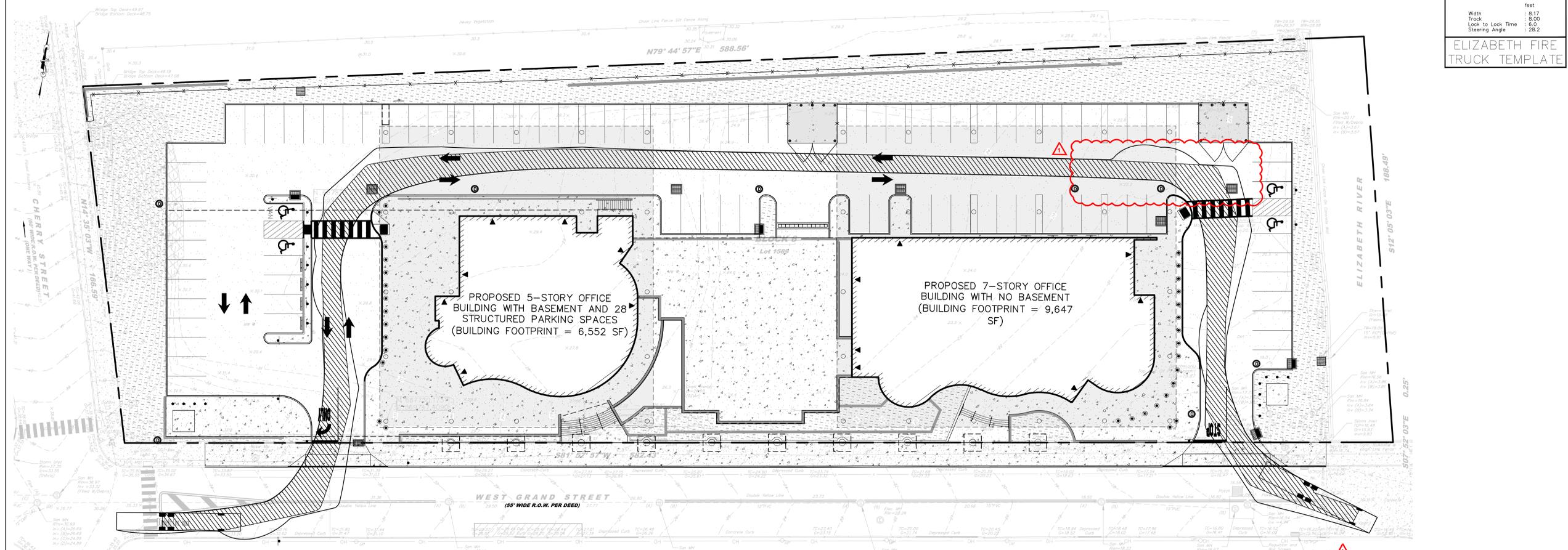
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: WS  
Checked By: KBS

Sheet Name:  
**SITE PLAN**

Sheet No:  
**C101**



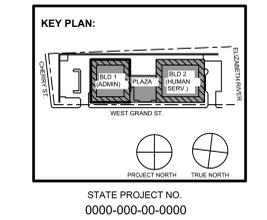
FIRE TRUCK CIRCULATION 1



FIRE TRUCK CIRCULATION 2



KEITH B. SMITH, PE, PP  
PROFESSIONAL ENGINEER, NJ LIC NO 33232



No.	Date	Description
1	11/08/23	FOR PUBLIC BID

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

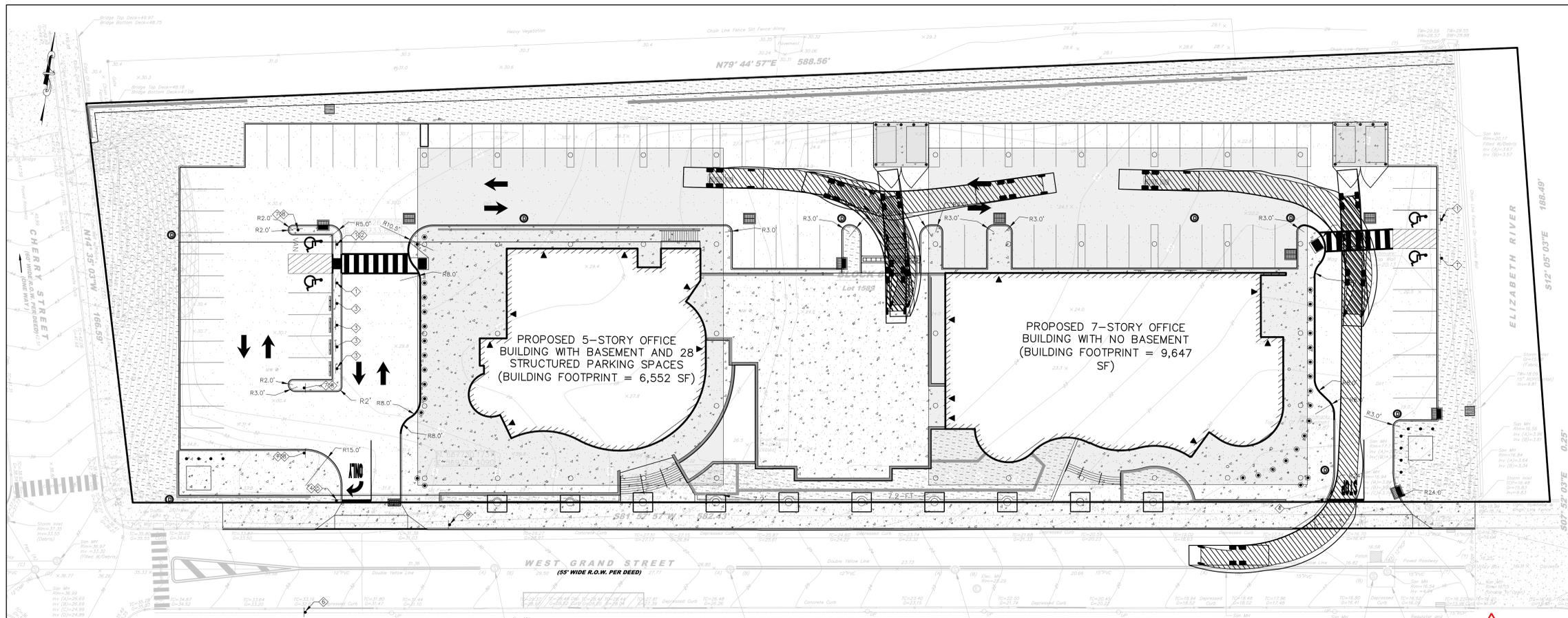
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

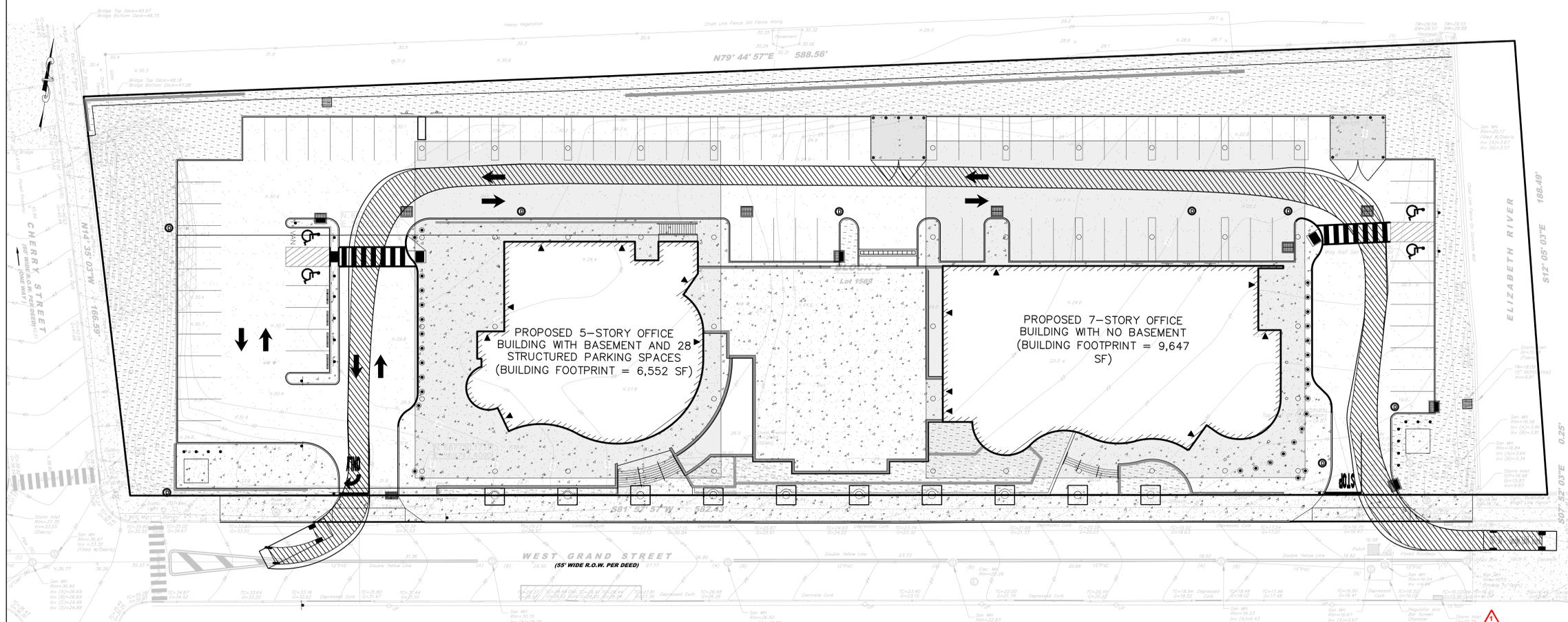
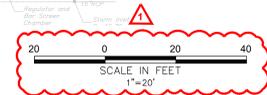
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: WJS  
Checked By: KBS

Sheet Name:  
**FIRE TRUCK CIRCULATION PLAN**

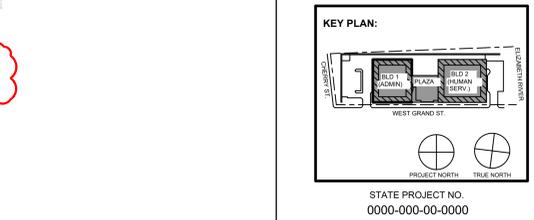
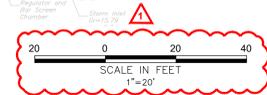
Sheet No:  
**C102**



GARBAGE TRUCK CIRCULATION



SU-30 BOX TRUCK CIRCULATION



KEITH B. SMITH, PE, PP  
PROFESSIONAL ENGINEER, NJ LIC No 33232

STATE PROJECT NO.  
0000-000-00-0000

No.	Date	Description
12/11/24	11/08/23	Autonomous Bid For Public Bid



15 Bethany Street • New Brunswick, NJ 08901 • T. 732.245.6242  
2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezia, AIA  
NJ RA AI 00827100

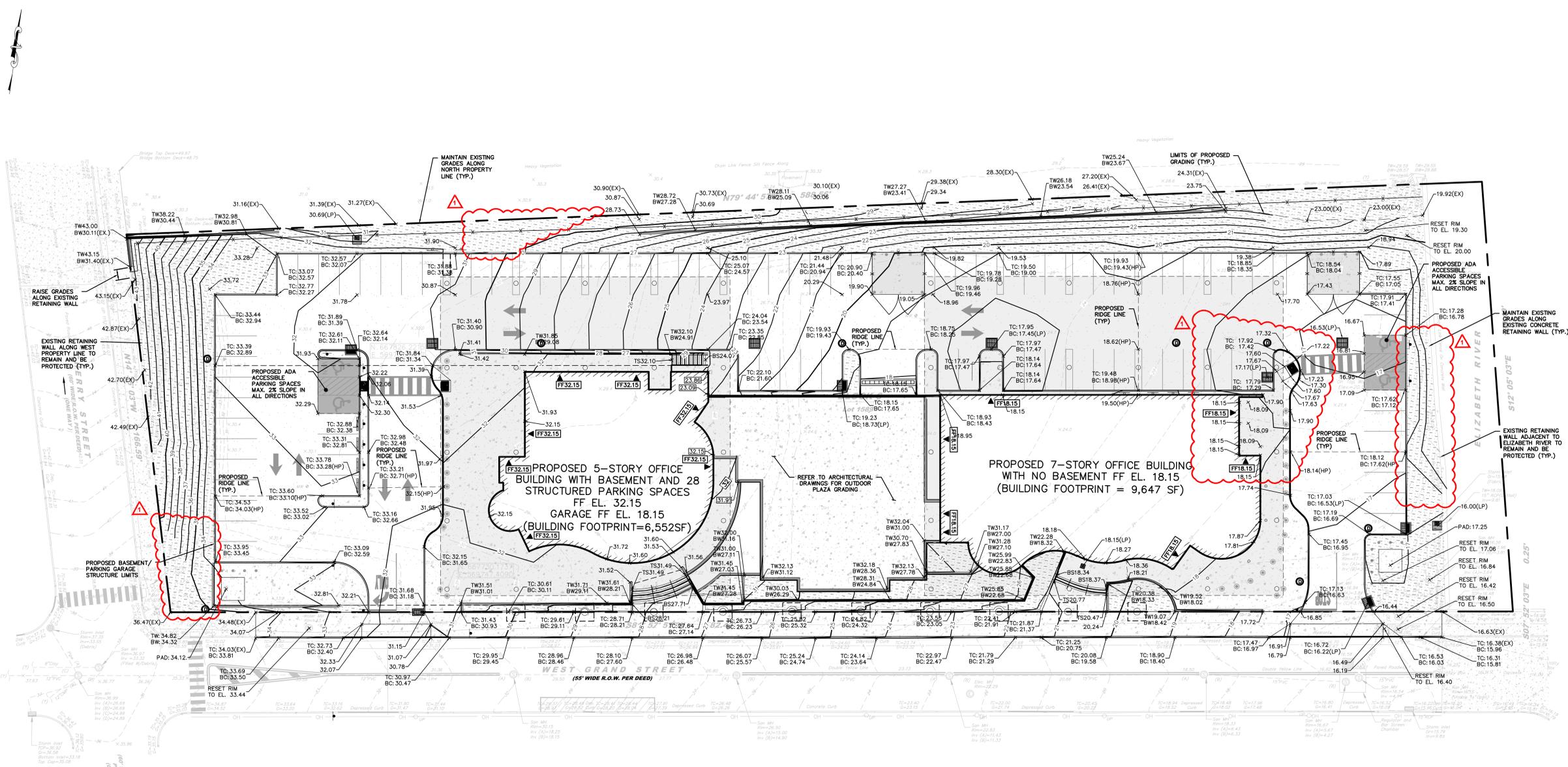
Client:  
UNION COUNTY IMPROVEMENT AUTHORITY

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

Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: WJS  
Checked By: KBS

Sheet Name:  
GARBAGE AND 30-FT BOX TRUCK CIRCULATION PLAN

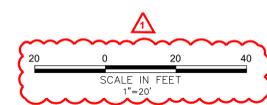
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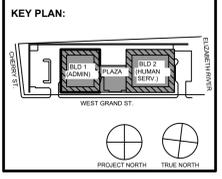
**PROPOSED 5-STORY OFFICE BUILDING WITH BASEMENT AND 28 STRUCTURED PARKING SPACES**  
 FF EL. 32.15  
 GARAGE FF EL. 18.15  
 (BUILDING FOOTPRINT=6,552SF)

**PROPOSED 7-STORY OFFICE BUILDING WITH NO BASEMENT FF EL. 18.15**  
 (BUILDING FOOTPRINT = 9,647 SF)

LEGEND		
	EXISTING	PROPOSED
CONTOUR	- 60	- 80
SPOT ELEVATION	+ 83.30	+ 83.30
TOP/BOTTOM OF CURB ELEVATION	TC: 84.10	BC: 83.60
TOP/BOTTOM OF WALL ELEVATION	TW: 81.75	BW: 75.59
LOW POINT		+ 76.64(LP)
HIGH POINT		+ 85.50(HP)
RETAINING WALL		
RIDGE LINE		



**KEITH B. SMITH, PE, PP**  
 PROFESSIONAL ENGINEER, NJ LIC NO 33332



STATE PROJECT NO.  
 0000-000-00-0000

No.	Date	Description
12/11/24	11/18/23	Autosubmittal FOR Public Bid
		Revisions / Issues

**DI Group Architecture**  
 ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.246.6242  
 2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezia, AIA  
 NJ RA AI 00827100

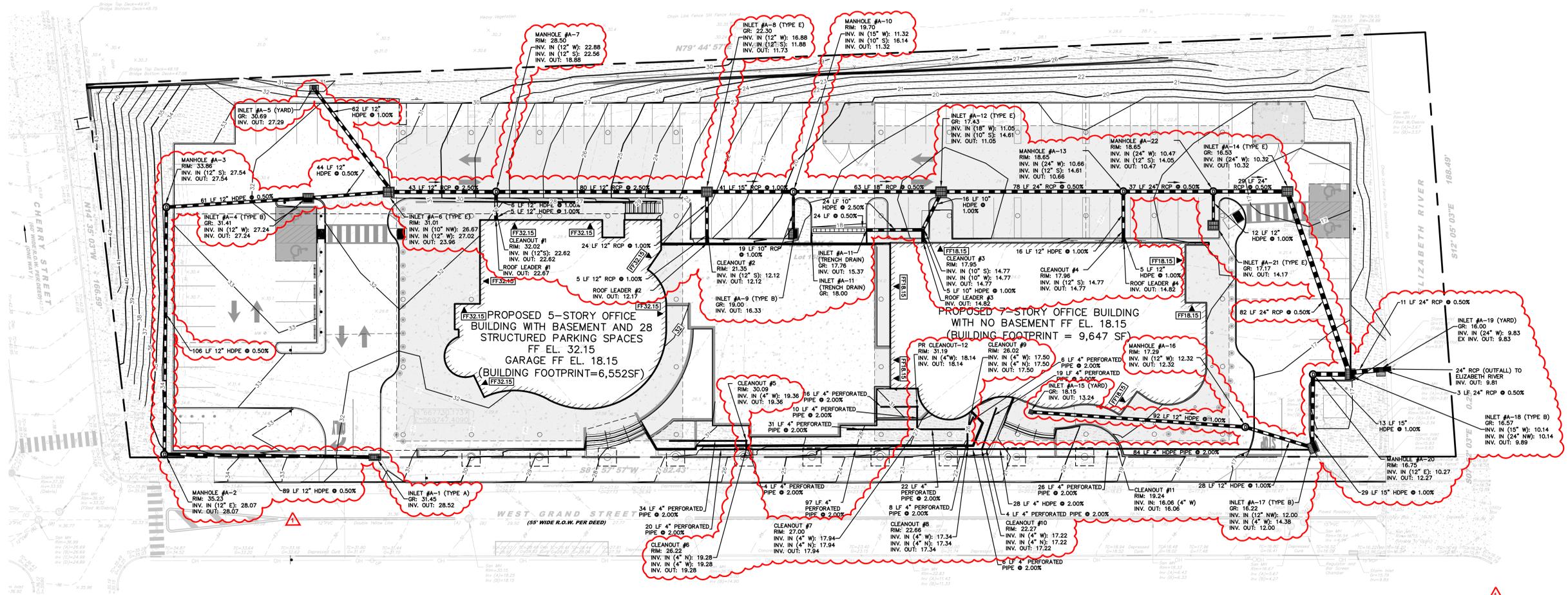
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

Drawing Information:  
 Project No: 20.072  
 Date: 11.08.2023  
 Drawn By: WS  
 Checked By: KBS

Sheet Name:  
**GRADING PLAN**

Sheet No:  
**CG101**



SCALE IN FEET  
1"=20'

**LEGEND**

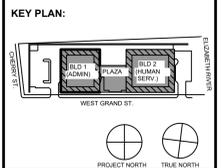
	EXISTING	PROPOSED
CONTOUR	-78	-82
STORM MANHOLE	⊙	⊙
CLEANOUT	⊙	⊙
CATCH BASIN	⊙	⊙
STORM SEWER PIPE	---	---

**MAP REFERENCES:**

- EXISTING CONDITIONS WERE TAKEN FROM A PLAN ENTITLED "EXISTING CONDITIONS PLAN PREPARED FOR UNION COUNTY GOVERNMENT COMPLEX, BLOCK 1889, LOT 6, SITUATED IN THE CITY OF ELIZABETH, UNION COUNTY, NEW JERSEY," DATED MAY 29, 2023 PREPARED BY FRENCH AND PARRELO ASSOCIATES.
- BOUNDARY AND TOPOGRAPHIC INFORMATION WERE TAKEN FROM A PLAN ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY 61-99 WEST GRAND STREET TAX ACCOUNT: 6-1889 CITY OF ELIZABETH, UNION COUNTY, NEW JERSEY" DATED JULY 24, 2019 PREPARED BY NEGLA ENGINEERING ASSOCIATES.



**KEITH B. SMITH, PE, PP**  
PROFESSIONAL ENGINEER, NJ LIC NO 33232



No.	Date	Description
12/11/24	11/08/23	11/08/23 FOR PUBLIC BID

Revisions / Issues

**DI Group Architecture**  
ARCHITECTURE FOR CHANGE

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Jeffrey D. Venezia, AIA  
NJ RA AI 00827100

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

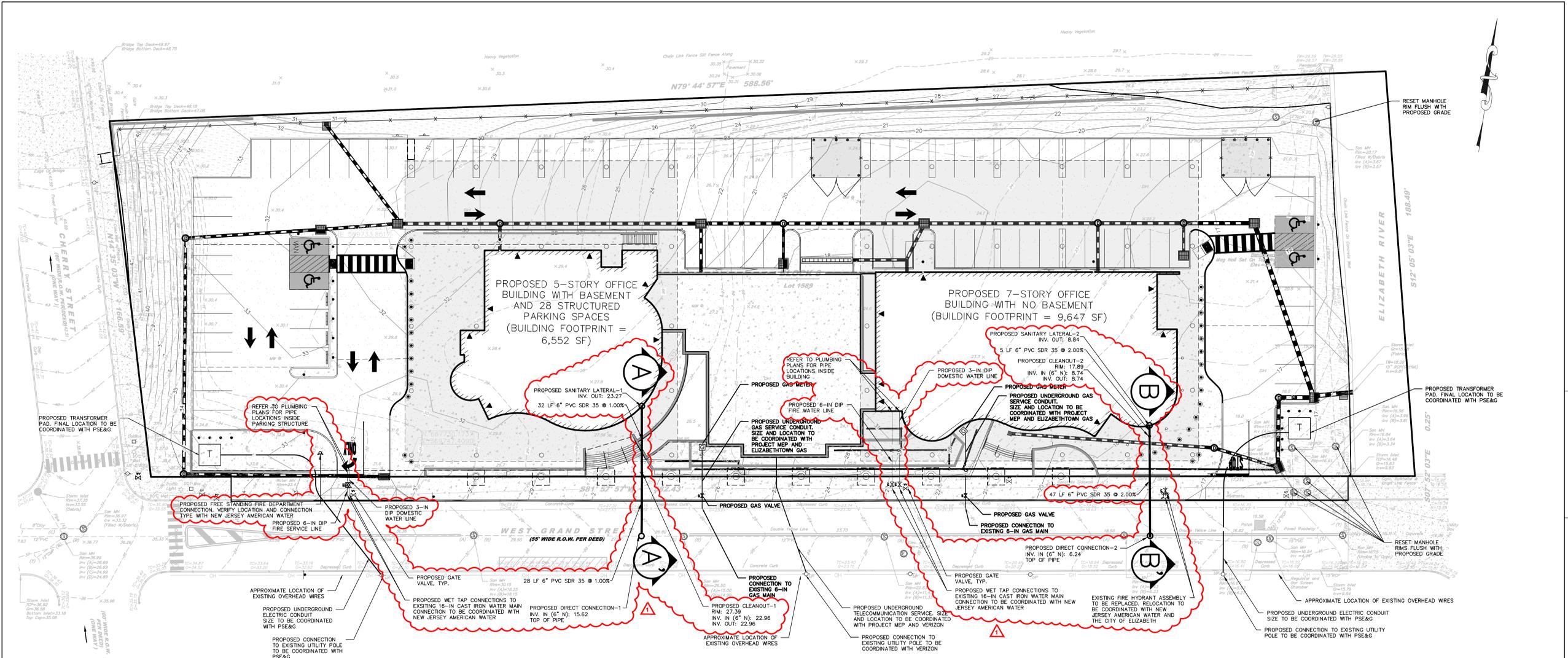
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**UNION COUNTY IMPROVEMENT AUTHORITY**

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

Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: WS  
Checked By: KBS

Sheet Name:  
**DRAINAGE PLAN**

Sheet No:  
**CG102**

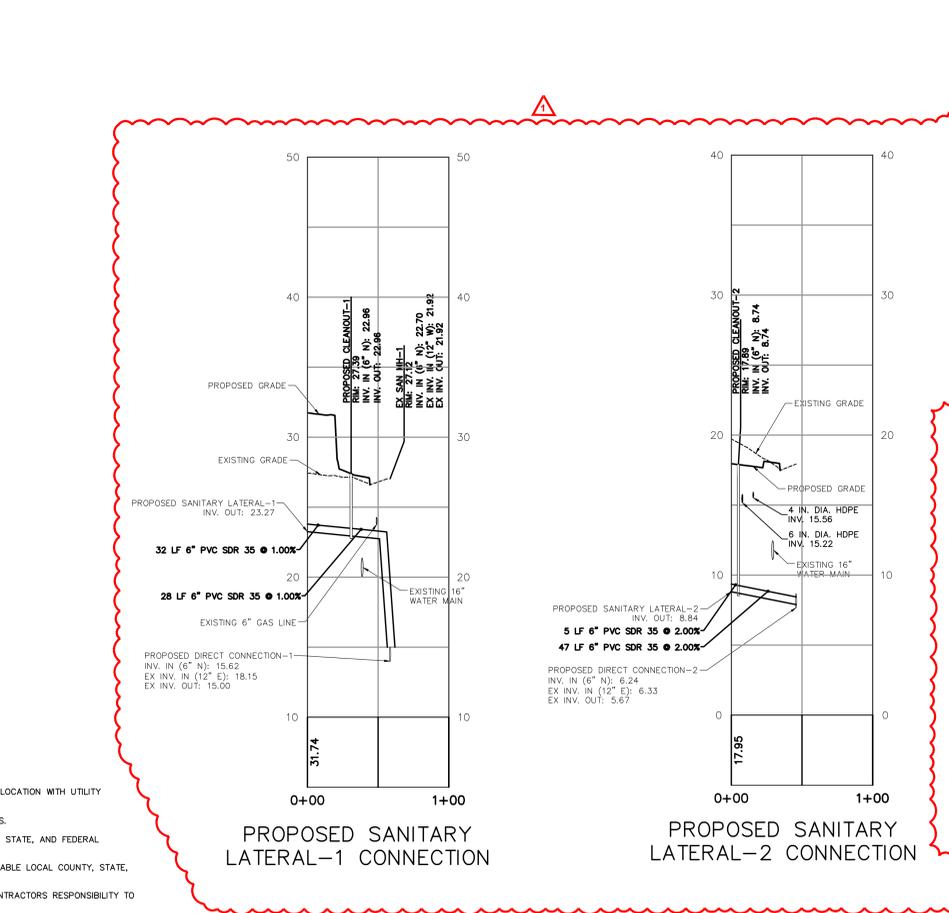


- ### UTILITY NOTES
- SEE ARCHITECTURAL & MEP DRAWINGS FOR SERVICE LATERAL SIZING AND CONNECTION.
  - ALL SITE UTILITY CONSTRUCTION SHALL BE COORDINATED WITH STORMWATER AND ROOF LEADER DRAINAGE CONSTRUCTION (REFER TO DRAWING CG102). RESOLUTION OF ANY POTENTIAL UTILITY CONFLICTS TO BE DETERMINED IN THE FIELD.
  - ALL UTILITY CONSTRUCTION TO BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANIES AND SHALL CONFORM WITH THEIR REQUIREMENTS.
  - CONCRETE ENCASEMENT WILL BE REQUIRED AT UTILITY CROSSINGS WHERE VERTICAL AND/OR HORIZONTAL SEPARATION DOES NOT MEET APPLICABLE STANDARDS.
  - SANITARY AND WATER LATERALS SHALL HAVE A MINIMUM HORIZONTAL SPACING OF 10 FEET.
  - IT IS SPECIFICALLY NOTED THAT INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATION, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION ON THE DRAWINGS. CONTRACTOR SHALL SPECIFICALLY REVIEW ALL PLANS, PROFILES, AND ANY INFORMATION DATA TABLES FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER'S ENGINEER IN WRITING REQUESTING CLARIFICATION PRIOR TO CONSTRUCTION.
  - SITE DISTURBANCE SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND ALL GOVERNING AGENCIES HAVE BEEN NOTIFIED BY THE CONTRACTOR.
  - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL NEW JERSEY ONE-CALL AND THE APPROPRIATE UTILITY COMPANIES TO REQUEST EXACT FIELD-LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS IN A MANNER WHICH WILL NOT NEGATIVELY AFFECT ANY EXISTING USERS OF THESE UTILITIES.
  - THE CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
  - CONTRACTOR SHALL REFER TO ARCHITECTURAL & MEP PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS OF ALL UTILITY ENTRY POINTS, INCLUDING SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ROOF LEADERS, ELECTRICAL, TELEPHONE, AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE REGULATORY AGENCY AS TO LOCATION AND SCHEDULING OF CONNECTIONS TO THEIR FACILITIES.
  - ALL REQUIRED UTILITIES SERVING THE BUILDINGS SHALL BE COORDINATED AND CONSTRUCTED TO WITHIN FIVE FEET OF EACH BUILDING UTILITY ENTRANCE AND PLUGGED AND MARKED UNLESS OTHERWISE NOTED. ANY NECESSARY EXTENSIONS, RELOCATIONS, OR CORRECTIONS WITHIN FIVE FEET OF THE BUILDING NECESSARY TO COMPLETE CONNECTION OF UTILITIES TO THE BUILDINGS SHALL BE MADE BY THE BUILDING CONTRACTOR. THE BUILDING CONTRACTOR SHALL MAKE THE FINAL CONNECTION BETWEEN THE BUILDING SYSTEMS AND THE SITE LATERALS.
  - THE CONTRACTOR MUST NOTIFY THE CITY OF ELIZABETH A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION, UNLESS FURTHER ADVANCE NOTICE IS REQUIRED BY THE CITY.
  - ALL ON-SITE UTILITIES SHALL BE UNDERGROUND UNLESS NOTED OTHERWISE.
  - ALL ABANDONED UTILITY LINES AND STRUCTURES SHALL BE COMPLETELY REMOVED AND CAPPED/PLUGGED AT THE MAIN IN ACCORDANCE WITH THE UTILITY COMPANY OR LOCAL AUTHORITY REQUIREMENTS.
  - TRENCH DEPTH REQUIREMENTS MEASURED FROM FINISHED GRADE OR PAVED SURFACE SHALL MEET THE FOLLOWING REQUIREMENTS WHEN NOT SPECIFIED BY GOVERNING CODES, ORDINANCES, OR AUTHORITIES:
    - A. WATER MAINS: 48 INCHES TO TOP OF PIPE BARREL OR 6 INCHES BELOW THE FROST LINE (ESTABLISHED BY THE LOCAL BUILDING OFFICIAL OR NEW JERSEY AMERICAN WATER COMPANY).
    - B. SANITARY SEWER: DEPTHS, ELEVATIONS, AND GRADES AS INDICATED ON DRAWINGS.
    - C. ELECTRICAL CONDUITS: 24 INCHES MINIMUM TO TOP OF CONDUIT OR AS SPECIFIED BY PSE&G REQUIREMENTS.
    - D. TV CONDUITS: 18 INCHES MINIMUM TO TOP OF CONDUIT OR AS REQUIRED BY THE UTILITY COMPANY.
    - E. TELEPHONE CONDUITS: 18 INCHES MINIMUM TO TOP OF CONDUIT OR AS REQUIRED BY THE UTILITY COMPANY.
    - F. GAS MAINS AND SERVICE: 30 INCHES MINIMUM TO TOP OF PIPE, OR AS REQUIRED BY ELIZABETH TOWN GAS.

- ### WATER UTILITY NOTES
- ALL WATER CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LOCAL GOVERNING AUTHORITY (CITY OF ELIZABETH AND NEW JERSEY AMERICAN WATER COMPANY).
  - ALL EXISTING WATER LATERALS WITHIN THE SITE FROM FORMER BUILDINGS SHALL BE TERMINATED AT THE MAIN AND CURB SHUT-OFFS SHALL BE REMOVED. EXISTING WATER SERVICE LINES SHALL BE PHYSICALLY REMOVED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL NOTIFY OWNER'S ENGINEER PRIOR TO REMOVAL OF ANY WATER LINE.
  - THE CONTRACTOR MUST VERIFY THE LOCATION, SIZE, AND SERVICEABILITY OF THE EXISTING WATER MAINS PRIOR TO BEGINNING ANY SITE OR BUILDING CONSTRUCTION.
  - ALL WATER MAINS SHALL BE CLASS S2, CEMENT-LINED DUCTILE IRON PIPE WITH RESTRAINED JOINTS.
  - ALL FITTINGS UP TO AND INCLUDING 12-INCH DIAMETER SHALL BE RATED FOR 250 PSI OR GREATER.
  - THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER MAIN IS TEN FEET (10'). THE MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS EIGHTEEN INCHES (18"). CONCRETE PIPE ENCASEMENTS WILL BE REQUIRED WHERE THE MINIMUM SEPARATION CANNOT BE ACHIEVED. LATERAL SEPARATION SHALL BE AS REQUIRED BY LOCAL CODE.
  - THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS, TEES, ELBOWS, PLUGS, AND FIRE HYDRANTS.
  - ALL FIRE HYDRANTS SHALL BE PROVIDED WITH AN APPROVED GATE VALVE A MAXIMUM OF 5'-0" FROM HYDRANT, AND SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL AUTHORITY.
  - ALL GATE VALVES SHALL OPEN BY TURNING IN A COUNTERCLOCKWISE DIRECTION AND SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL AUTHORITY.
  - ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
  - BACKFLOW PREVENTION DEVICES FOR DOMESTIC AND FIRE SERVICE CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL AUTHORITY.
  - ALL NEW WATER LINES SHALL BE PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF ANWA STANDARD C600, OR LOCAL REQUIREMENTS, WHICHEVER IS MORE RESTRICTIVE.
  - ALL NEW WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH ANWA STANDARD C651, OR LOCAL REQUIREMENTS, WHICHEVER IS MORE RESTRICTIVE.
  - CONTRACTOR SHALL NOTIFY THE CITY OF ELIZABETH AND NEW JERSEY AMERICAN WATER COMPANY AT LEAST 48 HOURS PRIOR TO WET TAP INSTALLATION.
  - CONTRACTOR SHALL REFER TO SPECIFICATION SECTION 331000 (WATER DISTRIBUTION SYSTEMS) FOR ADDITIONAL CONSTRUCTION INFORMATION PERTAINING TO FIRE WATER SERVICE LINES AND APPURTENANCES.

- ### SANITARY SEWER UTILITY NOTES
- ALL SEWER CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LOCAL AUTHORITY.
  - WITH THE EXCEPTION OF THE 16-IN. SEWER, EXISTING ON-SITE SANITARY SEWER LINES SERVING THE SITE SHALL BE PHYSICALLY REMOVED UNLESS NOTED OTHERWISE. CONTRACTOR TO NOTIFY OWNER'S ENGINEER PRIOR TO REMOVAL OF ANY SEWER PIPE.
  - THE CONTRACTOR MUST VERIFY THE LOCATION, SIZE, AND SERVICEABILITY OF THE EXISTING SANITARY SEWER MAINS PRIOR TO BEGINNING ANY SITE OR BUILDING CONSTRUCTION.
  - THE SEWER CONTRACTOR SHALL CONSTRUCT THE SANITARY SEWER LINES TO WITHIN 5 FEET OF THE PROPOSED BUILDING LIMITS WHERE THE LINE SHALL BE PLUGGED AND MARKED.
  - ALL MATERIALS USED AND ALL CONSTRUCTION METHODS EMPLOYED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR THE GOVERNING LOCAL MUNICIPAL UTILITY AUTHORITY.
  - WHERE LESS THAN 18" OF VERTICAL AND 10" OF HORIZONTAL CLEARANCE IS PROVIDED BETWEEN THE SANITARY SEWER AND OTHER UTILITIES, THE SEWER SHALL BE ENCASED IN 6 INCHES OF 4,500 PSI CONCRETE ON ALL FOUR SIDES AND SHALL EXTEND 10 FEET BEYOND CROSSING IN BOTH DIRECTIONS. DUCTILE IRON PIPE MAY BE UTILIZED IN PLACE OF CONCRETE ENCASEMENT PER NJAC 7:14A 23.6.B.4.
  - WHEN SANITARY LATERALS BE DIRECTLY INTO MANHOLES, AN APPROPRIATE OPENING WITH AN "A-LOK" OR APPROVED EQUAL JOINT SHALL BE PRECAST IN THE MANHOLE BASE. ALL MAINS SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH THE LOW PRESSURE AIR TEST METHOD OR AS OTHERWISE SPECIFIED BY LOCAL AUTHORITY OR PROJECT SPECIFICATIONS.

- ### ELECTRIC, TELEPHONE, GAS UTILITY NOTES
- ELECTRIC, TELEPHONE AND GAS LOCATIONS SHOWN ON PLAN ARE PRELIMINARY. CONTRACTOR SHALL COORDINATE FINAL LOCATION WITH UTILITY COMPANY AND SHALL INFORM THE OWNER'S ENGINEER OF THE FINAL LOCATION PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO COORDINATE GAS MAIN, ELECTRIC, AND TELEPHONE INSTALLATION WITH APPROPRIATE UTILITY COMPANIES.
  - ALL GAS WORK AND OTHER ASSOCIATED APPURTENANCES SHALL BE IN CONFORMANCE WITH APPLICABLE LOCAL COUNTY, STATE, AND FEDERAL GUIDELINES AND REQUIREMENTS.
  - ALL ELECTRICAL WORK, TRANSFORMER PAD, AND ASSOCIATED APPURTENANCES SHALL BE IN CONFORMANCE WITH APPLICABLE LOCAL COUNTY, STATE, AND FEDERAL GUIDELINES AND REQUIREMENTS.
  - CONTRACTOR TO COORDINATE WITH PSE&G ON ELECTRICAL MANHOLE REQUIREMENTS REQUIRED LOCATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PURCHASE AND INSTALL ALL ELECTRICAL MANHOLES, AS REQUIRED.



### LEGEND

	EXISTING	PROPOSED
WATER LINE		
LOW PRESSURE WATER LINE	W LP	W LP
HIGH PRESSURE WATER LINE	W HP	W HP
WATER VALVE		
FIRE HYDRANT		
FREE STANDING FIRE DEPARTMENT CONNECTION		
SANITARY SEWER		
SANITARY MANHOLE		
SANITARY CLEANOUT		
UNDERGROUND TELECOM LINE		
UNDERGROUND ELECTRIC LINE		
OVERHEAD ELECTRIC LINE		
GAS LINE		
GAS VALVE		

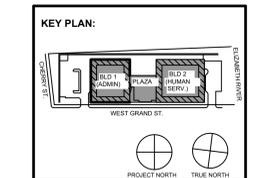
THE CONTRACTOR MUST FIELD VERIFY THE ACTUAL ELEVATION OF THE EXISTING UTILITIES PRIOR TO CONSTRUCTION VIA TEST PITS AND ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.

THE CONTRACTOR SHALL REMOVE ALL EXISTING UTILITIES WITHIN THE CONTRACT LIMITS. CONTRACTOR SHALL VERIFY THAT ALL EXISTING UTILITIES SERVING ADJACENT BUILDINGS ARE MAINTAINED THROUGHOUT AND AFTER DEMOLITION ACTIVITIES.

- ### MAP REFERENCES:
- EXISTING CONDITIONS WERE TAKEN FROM A PLAN ENTITLED "EXISTING CONDITIONS PLAN PREPARED FOR UNION COUNTY GOVERNMENT COMPLEX, BLOCK 1589, LOT 6, SITUATED IN THE CITY OF ELIZABETH, UNION COUNTY, NEW JERSEY," DATED MAY 25, 2023 PREPARED BY FRENCH AND PARRELO ASSOCIATES.
  - BOUNDARY AND TOPOGRAPHIC INFORMATION WERE TAKEN FROM A PLAN ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY 61-99 WEST GRAND STREET TAX ACCOUNTY 6-1589 CITY OF ELIZABETH, UNION COUNTY, NEW JERSEY" DATED JULY 24, 2019 PREPARED BY NEGLA ENGINEERING ASSOCIATES.



KEITH B. SMITH, PE, PP  
PROFESSIONAL ENGINEER, NJ LIC NO 33322



STATE PROJECT NO.  
0000-000-00-0000

DATE	DESCRIPTION
11/08/23	FOR PUBLIC BID
No. Date	Description



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

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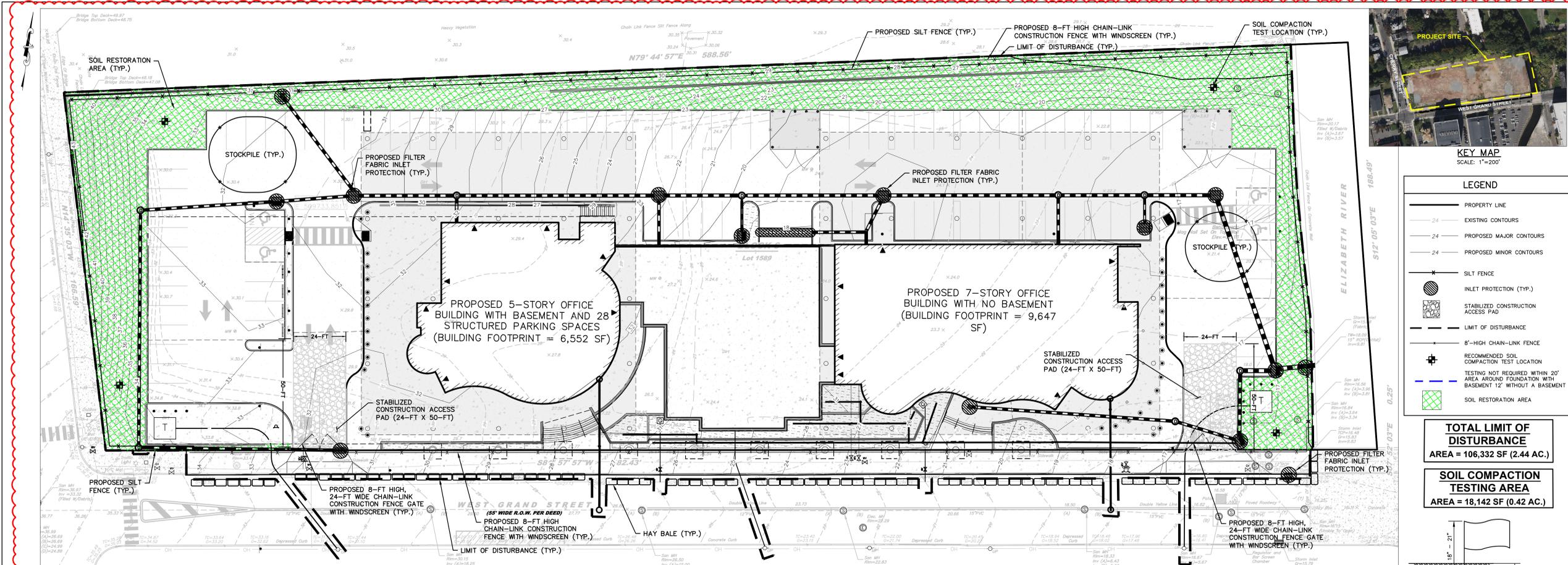
Client:  
UNION COUNTY IMPROVEMENT AUTHORITY

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

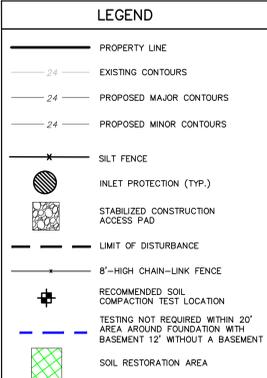
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Project No: 20.072  
Date: 11.08.2023  
Drawn By: WJS  
Checked By: KBS

Sheet Name:  
**UTILITY PLAN**

Sheet No:  
**CU101**



**KEY MAP**  
SCALE: 1"=200'



**TOTAL LIMIT OF DISTURBANCE**  
AREA = 106,332 SF (2.44 AC.)

**SOIL COMPACTION TESTING AREA**  
AREA = 18,142 SF (0.42 AC.)

**PERMANENT STABILIZATION NOTES**

**PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION**

PERMANENT SEEDING SHALL BE IN ACCORDANCE WITH "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY"

**SITE PREPARATION**

- GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARD FOR LAND GRADING.
- IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING.
- TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING.
- INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.

**SEEDBED PREPARATION**

- UNIFORMLY APPLY GROUND LIMESTONE AND FERTILIZER, WHERE REQUIRED, TO TOPSOIL WHICH HAS BEEN SPREAD AND FIRMED, ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS CO-OPERATIVE EXTENSION OFFICES (<http://naaes.rutgers.edu/county/>). LIME SHALL BE APPLIED AT A RATE 3,900 POUNDS PER ACRE OR 90 POUNDS PER 1,000 SQUARE FEET OF GROUND LIMESTONE OR EQUIVALENT. FERTILIZER SHALL BE APPLIED AT THE RATE OF 200 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF TOPSOIL OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE AND INCORPORATED INTO THE SURFACE 4 INCHES. IF FERTILIZER IS NOT INCORPORATED, APPLY ONE-HALF THE RATE DESCRIBED ABOVE DURING SEEDBED PREPARATION AND REPEAT ANOTHER ONE-HALF RATE APPLICATION OF THE SAME FERTILIZER WITHIN 3 TO 5 WEEKS AFTER SEEDING.
- WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED.
- HIGH ACID PRODUCING SOILS HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5 OR MORE BEFORE INITIATING SEEDBED PREPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH ACID-PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.

**SEEDING**

- CONTRACTOR SHALL USE SEED MIXTURE NO. 6 AND THE CORRESPONDING RATES IN TABLE 4-3 OF THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
- SEEDING RATES SPECIFIED ARE REQUIRED WHEN A REPORT OF COMPLIANCE IS REQUESTED PRIOR TO ACTUAL ESTABLISHMENT OF PERMANENT VEGETATION. UP TO 50% REDUCTION IN RATES MAY BE USED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO A REPORT OF COMPLIANCE INSPECTION. THESE RATES APPLY TO ALL METHODS OF SEEDING. ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVERAGE WITH THE SPECIFIED SEED MIXTURE FOR THE SEEDED AREA AND MOWED ONCE.
- WARM-SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT HIGH TEMPERATURES GENERALLY 85°F AND ABOVE. PLANTING RATES FOR WARM-SEASON GRASSES SHALL BE THE AMOUNT OF PURE LIVE SEED (PLS) AS DETERMINED BY GERMINATION TESTING RESULTS.
- CONVENTIONAL SEEDING IS PERFORMED BY APPLYING SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTPACKER SEEDER. EXCEPT FOR DRILLED, HYDROSEEDER OR CULTPACKER SEEDING, SEED SHALL BE INCORPORATED INTO THE SOIL WITHIN 24 HOURS OF SEEDBED PREPARATION TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAINING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE-TEXTURED SOIL.
- AFTER SEEDING, FIRING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED.
- HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK, OR TRAILER-MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED, WATER AND FERTILIZER AND SPRAYING THE MIX INTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORT-FIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION 4-MULCHING BELOW). HYDROSEEDING IS NOT A PREFERRED SEEDING METHOD BECAUSE SEEDS AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL. MULCH POOR SEED TO SOIL CONTACT OCCURS, THERE IS A REDUCED SEED GERMINATION AND GROWTH.
- SEED MIXTURE - SEED MIX NO. 6  
FINE FESCUE (BLENDED) - 3 lbs/1,000 sf  
HARD FESCUE  
CHEWINGS FESCUE  
STRONG GREENING RED FESCUE  
KENTUCKY BLUE GRASS - 0.1 lbs/1,000 sf  
PERENNIAL RYEGRASS - 0.5 lbs/1,000 sf

OPTIMAL PLANTING PERIOD BETWEEN AUGUST 15TH - OCTOBER 15TH

**MULCHING**

MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL PROTECT AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXTENT OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DETERMINED COMPLIANT WITH THIS MULCHING REQUIREMENT.

- STRAW OR HAY. UNROTTED SMALL GRASS STRAW, HAY FREE OF SEEDS, TO BE APPLIED AT THE RATE OF 1-1/2 TO 3 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED.

APPLICATION - SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT AT LEAST 85% OF THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.

ANCHORING SHALL BE COMPLETED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STIFFNESS OF SLOPES, AND COSTS.

- PEG AND TWINE. DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISS-CROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.
- MULCH NETTINGS - STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTINGS TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
- CRIMPER (MULCH ANCHORING COULTER TOOL) - A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVELABLE BY A TRACTOR, WHICH MUST OPERATE AT THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED.
- LIQUID MULCH-BINDERS - MAY BE USED TO ANCHOR SALT HAY, HAY OR STRAW MULCH.
  - APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND MAY CATCH THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. THE REMAINDER OF THE AREA SHOULD BE UNIFORM IN APPEARANCE.
  - USE ONE OF THE FOLLOWING:
    - ORGANIC AND VEGETABLE BASED BINDERS - NATURALLY OCCURRING, POWDER-BASED, HYDROPHILIC MATERIALS WHEN MIXED WITH WATER FORMULATES A GEL AND WHEN APPLIED TO MULCH UNDER SATISFACTORY CURING CONDITIONS WILL FORM MEMBRANE NETWORKS OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOLOGIC EFFECT OR IMPROVE GROWTH OF TURF GRASS. USE AT RATES AND WEATHER CONDITIONS AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH MATERIALS. MANY NEW PRODUCTS ARE AVAILABLE, SOME OF WHICH MAY NEED FURTHER EVALUATION FOR SYNTHETIC BINDERS IN THIS STATE.
    - SYNTHETIC BINDERS - HIGH POLYMER SYNTHETIC EMULSION, MISCIBLE WITH WATER WHEN DILUTED AND, FOLLOWING APPLICATION OF MULCH, DRYING AND CURING, SHALL NO LONGER BE SOLUBLE OR DISPERSIBLE IN WATER. BINDER SHALL BE APPLIED AT RATES RECOMMENDED BY THE MANUFACTURER AND REMAIN TACKY UNTIL GERMINATION OF GRASS.

**SEQUENCE OF CONSTRUCTION**

- NOTIFY THE SOMERSET-UNION SOIL CONSERVATION DISTRICT AT LEAST 48 HOURS PRIOR TO ANY SITE DISTURBANCES.
- INSTALL A STABILIZED CONSTRUCTION ENTRANCE PAD CONSISTING OF 2" WASHED STONE 12" DEEP AT THE CONSTRUCTION ENTRANCE IMMEDIATELY AFTER INITIAL DISTURBANCES AS PER STANDARDS ON DRAWINGS. SITE TRAFFIC SHOULD USE ONLY THESE AREAS FOR INGRESS AND EGRESS.
- EQUIP ALL CATCH BASINS WITH FILTER FABRIC INLET PROTECTION IMMEDIATELY UPON START OF CONSTRUCTION, AS SHOWN.
- DEMOLISH EXISTING STRUCTURE AND SURFACE MATERIALS.
- COMPLETE CONSTRUCTION OF ROUGH GRADING AND STORM DRAINAGE IMPROVEMENTS.
- AFTER STORM DRAINAGE SYSTEM AND CATCH BASINS ARE CONSTRUCTED PLACE FILTER FABRIC INLET PROTECTION ON EACH CATCH BASIN, WHICH SHALL REMAIN UNTIL THE SITE IS PAVED. MAINTAIN AND REPLACE AS NECESSARY.
- BEGIN AND CONTINUE SITE IMPROVEMENTS.
- COMPLETE FINAL SITE GRADING WITH CURBING AND PAVING.
- ALL SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL ALL PERMANENT IMPROVEMENTS TO THE SITE ARE COMPLETE AND THE ROADWAY AREAS ARE PAVED.
- LANDSCAPE ALL APPROPRIATE AREAS AS INDICATED ON THE LANDSCAPE PLAN AND REMOVE ALL TEMPORARY SEDIMENT CONTROL STRUCTURES. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING.
- CLEAN ALL SITE DRAINAGE STRUCTURES AND PIPES OF SILT AND DEBRIS. DOWNSPREAD FILTER FABRIC FACILITIES SHALL BE INSPECTED AND CLEANED OF SILT AND DEBRIS RESULTING FROM CONSTRUCTION PRIOR TO FINAL TURNOVER.
- NOTIFY THE SOMERSET-UNION SOIL CONSERVATION DISTRICT AT COMPLETION OF CONSTRUCTION.

**TEMPORARY STABILIZATION NOTES**

**TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION**

DISTURBED AREAS SHALL BE MAINTAINED IN A ROUGH GRADED CONDITION AND TEMPORARILY SEEDED AND HAY MULCHED (OR HYDROSEEDED) UNTIL PROPER WEATHER EXISTS FOR THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER. THE FOLLOWING SEEDING SCHEDULE SHALL BE USED FOR TEMPORARILY SEEDING:

- LIME - 90 lbs/1,000 sf GROUND LIMESTONE.
- FERTILIZER - 11 lbs/1,000 sf, 10-20-10 OR EQUIVALENT, WITH SOLR WATER INSOLUBLE NITROGEN, WORKED INTO SOIL TO A DEPTH OF 4 INCHES.
- SEED - PERENNIAL RYEGRASS - 1 lbs/1,000 sf; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
- MULCH - UNROTTED SMALL GRASS STRAW, HAY FREE OF SEEDS AT A RATE OF 90 TO 115 lbs/1,000 sf TO BE APPLIED ACCORDING TO THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, LIQUID MULCH BINDER, OR MULCH NETTING).

UNROTTED SMALL GRASS STRAW AT A RATE OF 90 TO 115 lbs/1,000 sf TO BE APPLIED ACCORDING TO THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, LIQUID MULCH BINDER, OR MULCH NETTING).

**STABILIZATION WITH MULCH ONLY**

NON-GROWING STABILIZATION MEASURES SHALL BE USED WHERE THE SEASON AND OTHER CONDITIONS MAY NOT BE SUITABLE FOR GROWING AN EROSION RESISTANT COVER OR WHERE STABILIZATION IS NEEDED FOR A SHORT PERIOD UNTIL MORE SUITABLE PROTECTION CAN BE EMPLOYED.

TOPSOILING SHALL BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES.

**CONSTRUCTION SCHEDULE AND PROCEDURE**

- INSTALL SILT FENCE, STABILIZED CONSTRUCTION ENTRANCE, INLET PROTECTION, HAY BALES, AND ALL OTHER SOIL EROSION AND SEDIMENT CONTROL MEASURES.
  - DEMOLISH EXISTING IMPROVEMENTS IN CONFLICT WITH PROPOSED IMPROVEMENTS.
  - CLEAR AND ESTABLISH ROUGH GRADES NECESSARY FOR BUILDING ADDITION. 1 WEEK
  - CONSTRUCT STORMWATER AND SANITARY PIPING. 1 MONTH
  - CONTRACT PROPOSED BUILDING AND ASSOCIATED AMENITIES. 1 YEAR
  - INSTALL FINISHED GRADE, INSTALL ROADWAY, WALKWAYS. 4 WEEKS
  - ESTABLISH PERMANENT VEGETATIVE COVER. 2 WEEKS
  - REMOVE SILT FENCE AND TREE PROTECTION AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED. 1 WEEK
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIATING ANY EROSION OR SEDIMENT PROBLEMS THAT ARISE AS A RESULT OF ONGOING CONSTRUCTION AT THE REQUEST OF THE SOMERSET-UNION SOIL CONSERVATION DISTRICT.
- HYDRO SEEDING IS A TWO-STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER, LIME, ETC. ALONG WITH MINIMAL AMOUNTS OF MULCH TO PROTECT CONSISTENCY, GOOD SEED TO SOIL CONTACT, AND TO PROVIDE A VISUAL INDICATION OF COVERAGE. UPON COMPLETION OF SEEDING OPERATION, HYDRO-MULCH SHOULD BE APPLIED AT A RATE OF 1500 LBS. PER ACRE IN SECOND STEP. THE USE OF HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE NJ STANDARDS.

**SOIL EROSION AND SEDIMENT CONTROL PLAN NOTES**

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO NJ STATE STANDARDS.
- PERMANENT VEGETATION SHALL BE SEEDING OR SOODED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH WILL BE USED FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NJ STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, 7TH EDITION LAST REVISED JANUARY 2014.
- A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN 15 DAYS OR PRELIMINARY GRADING.
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES, ROADWAY (EMBANKMENTS) SHALL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO THE NJ STATE STANDARDS.
- ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GREATER THAN 3:1).
- TRAFFIC CONTROL STANDARDS REQUIRE THE INSTALLATION OF A 50'X300' PAD OF 1 1/2" OR 2" STONE, AT ALL CONSTRUCTION DRIVEWAYS, IMMEDIATELY AFTER INITIAL SITE DISTURBANCE.
- THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED IN WRITING 48 HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY.
- AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS. NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED. TOPSOILING SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES.
- IN THAT NJS14-4-24-39 ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE PROVISIONS OF THE CERTIFIED PLAN FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR SITE PLANS AND ALL WORK AROUND INDIVIDUAL LOTS IN RESIDENTIAL DEVELOPMENT SHALL BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
- CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REFINISHED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
- ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT NJ STATE SOIL EROSION & SEDIMENT CONTROL STANDARDS.
- THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES IN OWNERSHIP.
- MULCHING TO THE NJ STANDARDS IS REQUIRED FOR OBTAINING A CONDITIONAL REPORT OF COMPLIANCE. CONDITIONALS ARE ONLY ISSUED WHEN THE SEASON PROHIBITS SEEDING.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL ADJACENT ROADS CLEAR DURING LIFE OF CONSTRUCTION PROJECT.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR REMEDIATING ANY EROSION OR SEDIMENT PROBLEMS THAT ARISE AS A RESULT OF ONGOING CONSTRUCTION AT THE REQUEST OF THE SOMERSET-UNION SOIL CONSERVATION DISTRICT.
- HYDRO SEEDING IS A TWO-STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER, LIME, ETC. ALONG WITH MINIMAL AMOUNTS OF MULCH TO PROTECT CONSISTENCY, GOOD SEED TO SOIL CONTACT, AND TO PROVIDE A VISUAL INDICATION OF COVERAGE. UPON COMPLETION OF SEEDING OPERATION, HYDRO-MULCH SHOULD BE APPLIED AT A RATE OF 1500 LBS. PER ACRE IN SECOND STEP. THE USE OF HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE NJ STANDARDS.

**CONSTRUCTION NOTES**

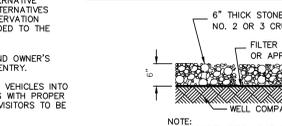
- CONTRACTOR TO COORDINATE STAGING AREAS, TRAILER LOCATION AND TEMPORARY STOCKPILE LOCATIONS WITH OWNER.
- VEHICLE WASH DOWN PADS TO BE PROVIDED THROUGHOUT THE DURATION OF THE PROJECT.
- INLET PROTECTION REQUIREMENTS SHALL NOT BE LIMITED TO STRUCTURES LOCATED WITHIN THE PHASE LIMITS OF WORK. ANY AND ALL INLETS WHICH COULD BE AFFECTED BY RUNOFF SHALL BE PROTECTED.
- CONTRACTOR MAY ELECT TO PROVIDE HAY BALES OR ALTERNATIVE MEANS OF INLET PROTECTION TO EXISTING INLETS. ALL ALTERNATIVES MUST BE APPROVED BY THE SOMERSET-UNION SOIL CONSERVATION DISTRICT. COPIES OF DETAIL AND APPROVAL TO BE PROVIDED TO THE OWNER AND OWNER'S REPRESENTATIVE.
- CONTRACTOR MUST PROTECT WORK, EXISTING PREMISES AND OWNER'S OPERATION FROM THEFT, VANDALISM AND UNAUTHORIZED ENTRY.
- CONTRACTOR MUST RESTRICT ENTRANCE OF PERSONS AND VEHICLES INTO PROJECT SITE. ALLOW ENTRANCE TO AUTHORIZED PERSONS WITH PROPER IDENTIFICATION ONLY. MAINTAIN A LOG OF WORKERS AND VISITORS TO BE AVAILABLE TO OWNER ON REQUEST.

**NRCS SOIL DESCRIPTION NOTE:**

THE PROJECT SITE CONSISTS OF THE FOLLOWING SOIL GROUP: UR - URBAN LAND

**EXEMPTION NOTE:**

- THE PROJECT SITE IS LOCATED WITHIN THE METROPOLITAN PLANNING AREA PA-1 AND HAS BEEN PREVIOUSLY DEVELOPED. THIS QUALIFIES AS AN "URBAN REDEVELOPMENT AREA" WHICH IS EXEMPT FROM SUBSOIL DECOMPACTION AS LISTED UNDER ITEM #6 ON PAGE 19-2 OF THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.



**STABILIZED CONSTRUCTION PAD**

**SOIL DE-COMPACTION TESTING REQUIREMENTS**

**A. SOIL COMPACTION TESTING REQUIREMENTS**

- SUBGRADE SOILS PRIOR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT SEEDING AND STABILIZATION NOTES FOR TOPSOIL REQUIREMENTS) SHALL BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 6.0 INCHES TO ENHANCE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
- AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION TESTING (PROBING OR PENETRATION ARE GRAPHICALLY DENOTED ON THE CERTIFIED SOIL EROSION CONTROL PLAN).
- COMPACTION TESTING LOCATIONS ARE DENOTED ON THE PLAN. A COPY OF THE PLAN OR PORTION OF THE PLAN SHALL BE USED TO MARK LOCATIONS OF TESTS, AND ATTACHED TO THE COMPACTION REMEDIATION FORM. AVAILABLE FROM THE LOCAL SOIL CONSERVATION DISTRICT. THIS FORM MUST BE FILLED OUT AND SUBMITTED PRIOR TO RECEIVING A CERTIFICATE OF COMPLIANCE FROM THE DISTRICT.

**B. COMPACTION TESTING METHODS**

- PROBING WIRE TEST (SEE DETAIL).
- HAND-HELD PENETROMETER TEST (SEE DETAIL).
- TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED).
- NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED).
- ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATION AND WHICH PRODUCE A DRY WEIGHT, SOIL BULK DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL.
- DETAILED REQUIREMENTS FOR EACH COMPACTION TESTING METHOD CAN BE FOUND IN SECTION 15 "STANDARD FOR LAND GRADING" OF THE NJ STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION.
- SOIL COMPACTION TESTING IS NOT REQUIRED IF/WHEN SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.

**C. PROCEDURES FOR SOIL COMPACTION MITIGATION**

- PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
- RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.). IN THE ALTERNATIVE, ANOTHER METHOD AS SPECIFIED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER MAY BE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.

**NOTES:**

- SOIL SHOULD BE MOIST BUT NOT SATURATED. DO NOT TEST WHEN SOIL IS EXCESSIVELY DRY OR SUBJECT TO FREEZING TEMPERATURES. SLOW, STEADY DOWNWARD PRESSURE USED TO ADVANCE THE WIRE.
- WIRE MAY BE RE-INSERTED IF/WHEN AN OBSTRUCTION (ROCK, ROOT, DEBRIS) IS ENCOUNTERED.
- RECORD DEPTH OF PENETRATION WHEN WIRE DEFORMS; MINIMUM DEPTH OF 6" TO PASS TEST. EITHER PREMEDITATE OR PERFORM THE NEXT TEST.

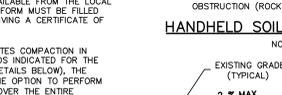
**PROBING WIRE TEST 15.5 GA. STEEL WIRE (SURVEY FLAG)**



**NOTES:**

- SOIL SHOULD BE MOIST BUT NOT SATURATED. DO NOT TEST WHEN SOIL IS EXCESSIVELY DRY OR SUBJECT TO FREEZING TEMPERATURES. SLOW, STEADY DOWNWARD PRESSURE USED TO ADVANCE THE WIRE.
- PENETROMETER MAY BE RE-INSERTED IF/WHEN AN OBSTRUCTION (ROCK, ROOT, DEBRIS) IS ENCOUNTERED.

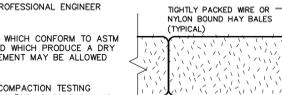
**HANDHELD SOIL PENETROMETER TEST**



**NOTES:**

- TOPSOIL STOCKPILES TO BE PLACED AS DETERMINED IN THE FIELD.
- STOCKPILE NOT TO BE PLACED IN AREA WITH CONCENTRATED FLOW, WETLANDS, EXTREME SLOPES OR WITHIN 100' OF A NATURAL STREAM.

**TEMPORARY STOCKPILE**



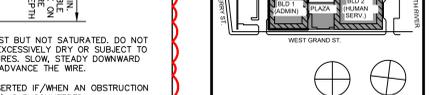
**NOTES:**

- TIGHTLY PACKED WIRE OR NYLON BOUND HAY BALES (TYPICAL)
- TIGHTLY PACKED WIRE OR NYLON BOUND HAY BALES (TYPICAL)
- TIGHTLY PACKED WIRE OR NYLON BOUND HAY BALES (TYPICAL)

**HAY BALE SEDIMENT BARRIERS**



**KEY PLAN:**



STATE PROJECT NO. 0000-000-00-0000

Revision	Description
1	Issue for Review
2	Issue for Review
3	Issue for Review
4	Issue for Review
5	Issue for Review
6	Issue for Review
7	Issue for Review
8	Issue for Review
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48	Issue for Review
49	Issue for Review
50	Issue for Review

Revisions / Issues

**DI Group Architecture**  
ARCHITECTURE FOR CHANGE

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Jeffrey D. Venezia, AIA  
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Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: WBS  
Checked By: KBS

Sheet Name:  
**SOIL EROSION AND SEDIMENT CONTROL PLAN, NOTES, AND DETAILS**

Sheet No:  
**CE101**

Scale: 1"=200'

Scale in Feet: 0 20 40

Scale in Feet: 1"=200'

Scale in Feet: 1"=200'

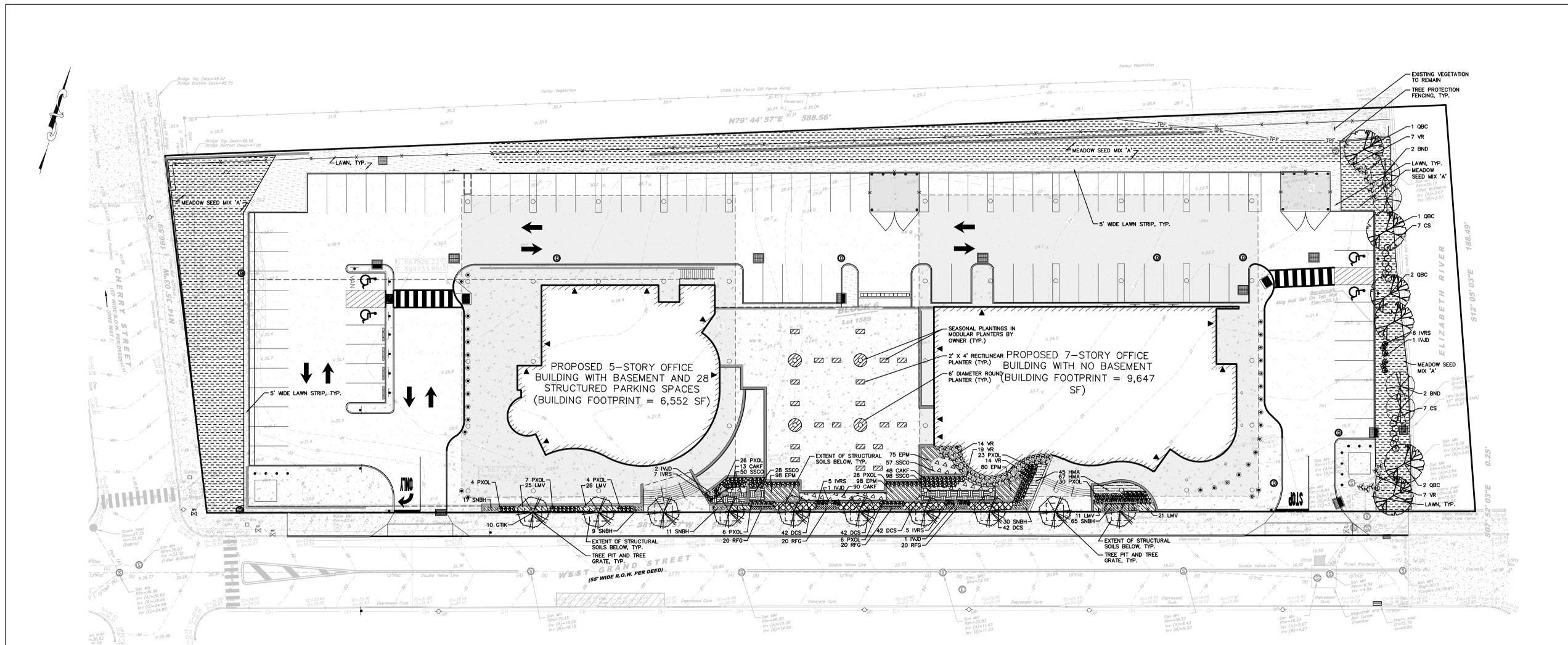
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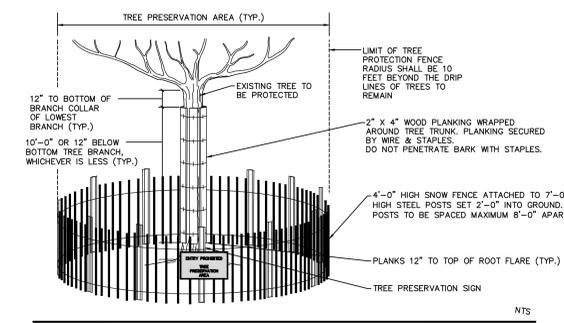
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Scale in Feet: 1"=200'



**TREE PROTECTION NOTES:**

- ALL EXISTING TREES WITHIN THE LIMITS OF TREE PROTECTION FENCING SHALL BE PROTECTED THROUGHOUT THE DURATION OF WORK. THE LIMIT OF TREE PROTECTION FENCE RADIUS SHALL BE 18 TIMES THE MEASURED DIAMETER-AT-BREAST-HEIGHT (DBH), UNLESS CONDITIONS WARRANT THE FENCE TO BE LOCATED CLOSER TO THE TREE. THE PROJECT LANDSCAPE ARCHITECT TO APPROVE THE LOCATION OF ALL FENCING PRIOR TO EXCAVATION.
- TREE PROTECTION PLANNING SHALL BE INSTALLED ON ALL EXISTING TREES WHERE WORK IS TO BE DONE WITHIN THE LIMIT OF TREE PROTECTION FENCING. REFER TO DETAIL ON THIS SHEET.
- IF TREE PROTECTION FENCING NEEDS TO BE MOVED OR BREACHED DUE TO TEMPORARY CONSTRUCTION ACTIVITY WITHIN THE TREE PROTECTION ZONE, THE FENCING WILL BE RESET TO ITS ORIGINAL LOCATION IMMEDIATELY AFTER CONSTRUCTION WITHIN THE TREE PROTECTION ZONE IS COMPLETE.
- TREE PROTECTION FENCING SHALL BE MAINTAINED TO PROTECT TREES AT ALL TIMES. ANY DAMAGED FENCING SHALL BE IMMEDIATELY REPLACED WHEN DAMAGED.
- DEMOLITION WORK WITHIN THE TREE PROTECTION FENCE OF PROTECTED TREES SHALL BE PERFORMED BY NON-MECHANICAL METHODS. CONTRACTOR TO PROTECT ROOT MASS AGAINST DAMAGE DURING EXCAVATION. ANY TREE ROOTS THAT ARE DISTURBED, BROKEN, OR CUT SHALL BE PRUNED BACK WITH CLEAN SHARP TOOLS. ROOTS SHALL NOT BE OTHERWISE DAMAGED, BROKEN OR RIPPED. ANY ROOTS FOUND GREATER THAN 2 INCHES DIAMETER WITHIN THE AREA TO BE DISTURBED WILL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE PROJECT LANDSCAPE ARCHITECT FOR FURTHER CONSIDERATION PRIOR TO ROOT PRUNING. ROOT PRUNED TREES SHALL BE MAINTAINED BY WATERING, WEEDING, MOWING, SPRAYING, FERTILIZING, AND OTHER HORTICULTURE PRACTICES THROUGHOUT THE DURATION OF CONSTRUCTION, IMMEDIATELY AFTER ROOT PRUNING. BACKFILL WITH GOOD ROOTING MEDIUM AND FERTILIZE WITH ORGANIC FERTILIZER TO PROMOTE ROOT GROWTH. PER MANUFACTURER'S RECOMMENDATIONS. FEED WITH A DILUTED SOLUTION OF N-P-K, AND MYCORRHIZAL POWDER AS NEEDED. WITH A SOIL NEEDLE TO PROVIDE WATER, AIR AND NUTRIENTS. THE SOIL AROUND EACH TREE SHALL BE THOROUGHLY SATURATED WITH WATER AND SHALL BE THOROUGHLY WATERED AS SEASONABLE CONDITIONS REQUIRE THROUGHOUT THE ENTIRE BOND PERIOD.
- ALL TEMPORARILY EXPOSED TREE ROOTS SHALL BE COVERED WITH 2 INCHES OF SHREDDED HARDWOOD MULCH TO REDUCE WEEDS, DISCOURAGE FOOT TRAFFIC, CONSERVE MOISTURE, AND MINIMIZE TEMPERATURE FLUCTUATION UNTIL PERMANENT SOIL EROSION CONTROL IS IMPLEMENTED. EXPOSED TREE ROOTS SHALL BE THOROUGHLY IRRIGATED ON A DAILY BASIS AS DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT.
- ANY TREE SHOWN TO BE PROTECTED WHICH IS OBSERVED TO HAVE 25% OR MORE OF ITS BRANCHING OR LEAVES DEAD OR DYING WITHIN THREE YEARS OF COMPLETED CONSTRUCTION, AND WHICH CANNOT BE REASONABLY PRUNED TO MAINTAIN THE HABIT KNOWN FOR THE SPECIES, SHALL BE REPLACED WITH A QUANTITY OF TREES OF THE SAME SPECIES AND A SIZE THAT, WHEN PUT TOGETHER, EQUALS THE TOTAL CANOPY SIZE OF THE TREE TO BE REPLACED.
- CHANGES OF GRADE PROPOSED (CUT/FILL) WITHIN TREE PROTECTION FENCING SHALL BE PERFORMED AS FOLLOWS:
  - RAISING GRADES:
    - WHERE FILL NOT EXCEEDING 16 INCHES IS REQUIRED, CLEAN, WASHED GRAVEL GRADED FROM 1 INCH TO 2 INCHES IN SIZE SHALL BE PLACED DIRECTLY AROUND TREE TRUNK. EXTEND GRAVEL OUT FROM TRUNK ON ALL SIDES MINIMUM OF 18 INCHES AND FINISH APPROXIMATELY 2 INCHES ABOVE FINISHED GRADE AT TREE. INSTALL GRAVEL BEFORE ANY EARTH FILL IS PLACED. NEW EARTH FILL SHALL NOT BE LEFT IN CONTACT WITH TRUNKS OF TREES REQUIRING FILL.
    - WHERE FILL EXCEEDING 16 INCHES IS REQUIRED, CONSTRUCT DRY-LAND TREE WELL AROUND TRUNK OF TREE. TREE WELL SHALL EXTEND OUT FROM TRUNK ON ALL SIDES MINIMUM OF 3 FEET AND TO 3 INCHES ABOVE FINISH GRADE. PLACE COARSE-GRADED ROCK DIRECTLY AROUND TREE WELL EXTENDING OUT TO DROP LINE OF TREE. PLACE CLEAN, WASHED GRAVEL GRADED FROM 1 INCH TO 2 INCHES IN SIZE DIRECTLY OVER COARSE ROCK TO DEPTH OF 3 INCHES. PLACE APPROVED BACKFILL MATERIAL DIRECTLY OVER WASHED GRAVEL TO DESIRED FINISH GRADE.
  - LOWERING GRADES: EXISTING TREES IN AREAS WHERE NEW FINISH GRADE IS TO BE LOWERED SHALL HAVE REGRADING WORK DONE BY HAND TO ELEVATION INDICATED ON THE DRAWINGS. ROOTS AS REQUIRED SHALL BE CUT AND MAINTAINED PER THE NOTES ABOVE IN #2.
  - TREES MARKED FOR PRESERVATION THAT ARE MORE THAN 6 INCHES ABOVE PROPOSED GRADES SHALL STAND ON BROAD ROUNDED MOUNDS AND GRADED SMOOTHLY INTO LOWER LEVEL. TREES LOCATED MORE THAN 16 INCHES ABOVE PROPOSED GRADES SHALL HAVE DRY-LAND STONE WALL OR OTHER RETAINING STRUCTURE AS DETAILED ON THE DRAWINGS. CONSTRUCTED MINIMUM OF 5 FEET FROM TRUNK. EXPOSED OR BROKEN ROOTS SHALL BE CUT CLEAN AND COVERED WITH TOPSOIL.
- ALL WORK TO BE PERFORMED UNDER THE DIRECT SUPERVISION OF EITHER THE OWNER'S REPRESENTATIVE, CERTIFIED ARBORIST, OR THE PROJECT LANDSCAPE ARCHITECT.



TREE PROTECTION FENCING AND TREE PLANKING

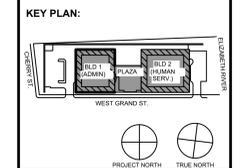
**PLANT SCHEDULE**

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
<b>SHADE TREE(S)</b>						
GTK	10	GLEDISIA TRIACANTHOS INERMIS 'SKYCOLE'	SKYLINE THORNLESS HONEYLOCUST	4-4 1/2" CAL.	B+B	-
QBC	6	QUERCUS BICOLOR	SWAMP WHITE OAK	2-2 1/2" CAL.	B+B	-
<b>ORNAMENTAL TREE(S)</b>						
BND	4	BETULA NIGRA 'DURA HEAT'	DURA HEAT RIVER BIRCH	10-12"	B+B	-
<b>EVERGREEN SHRUB(S)</b>						
PXOL	132	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKEN CHERRY LAUREL	30-36"	CONTAINER	-
YR	61	VIBURNUM X RHYTIDOPHYLLUM	LEATHERLEAF VIBURNUM	30-36"	CONTAINER	-
<b>DECIDUOUS SHRUB(S)</b>						
CS	14	CORNUS SERICEA (FORMERLY STOLONIFERA)	RED OSIER DOGWOOD	30-36"	CONTAINER	-
IVVD	5	ILEX VERTICILLATA 'JIM DANDY'	MALE POLLINATOR WINTERBERRY HOLLY	30-36"	CONTAINER	-
IVRS	23	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY HOLLY	30-36"	CONTAINER	-
<b>PERENNIAL(S)</b>						
EPM	351	ECHINACEA PURPUREA 'MAGNUS'	MAGNUS CONEFLOWER	1 GALT.	CONTAINER	spaced @ 12" o.c.
LMV	83	LIRIOPE MUSCARI 'VARIEGATA'	VARIEGATED LILYTURF	1 GALT.	CONTAINER	spaced @ 15" o.c.
RFG	80	RUBROCKIA FULGIDA 'GOLDSTURM'	GOLDSTURM/BLACK-EYED SUSAN	1 GALT.	CONTAINER	spaced @ 12" o.c.
SNBH	132	SALVIA NEMEROSA 'BLUE HILL'	BLUE HILL MEADOW SAGE	1 GALT.	CONTAINER	spaced @ 12" o.c.
<b>ORNAMENTAL GRASS(ES)</b>						
CAKF	151	CALAMAGROSTIS ARUNDINACEA 'KARL FOERSTER'	FEATHER REED GRASS	QUART	CONTAINER	spaced @ 15" o.c.
DCS	168	DESCHAMPSIA CESPITOSA 'SCHOTTLAND'	SCOTTISH TUFTED HAIR GRASS	QUART	CONTAINER	spaced @ 15" o.c.
HMA	112	HAKONECHLOA MACRA 'AUREOLA'	GREEN HAKONE GRASS	QUART	CONTAINER	spaced @ 15" o.c.
SSCO	233	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	QUART	CONTAINER	spaced @ 15" o.c.

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.



KEITH B. SMITH, PE, PP  
PROFESSIONAL ENGINEER, NJ LIC NO 33232



STATE PROJECT NO.  
0000-000-00-0000

NO.	DATE	DESCRIPTION
1	11/08/23	FOR PUBLIC BID



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

Jeffrey D. Venezia, AIA  
NJ RA AI 00827100

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

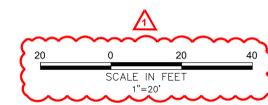
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

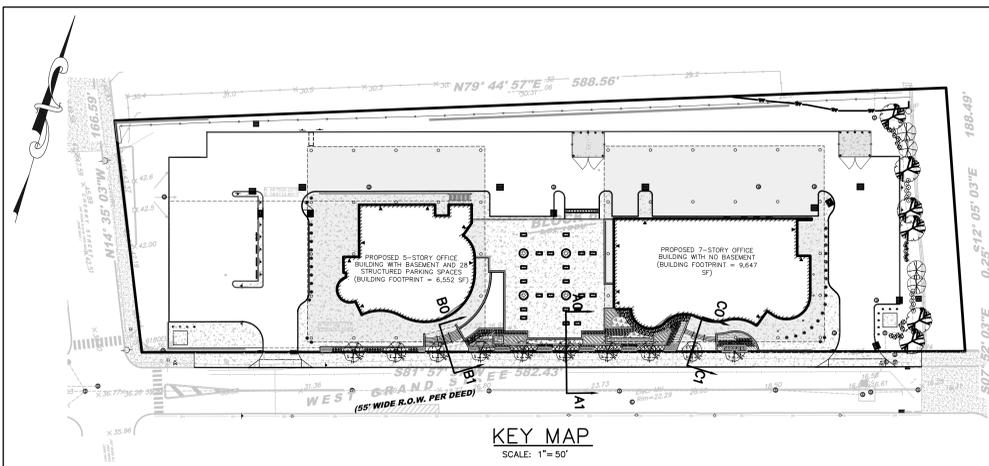
Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY, 07202

Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: WS  
Checked By: KBS

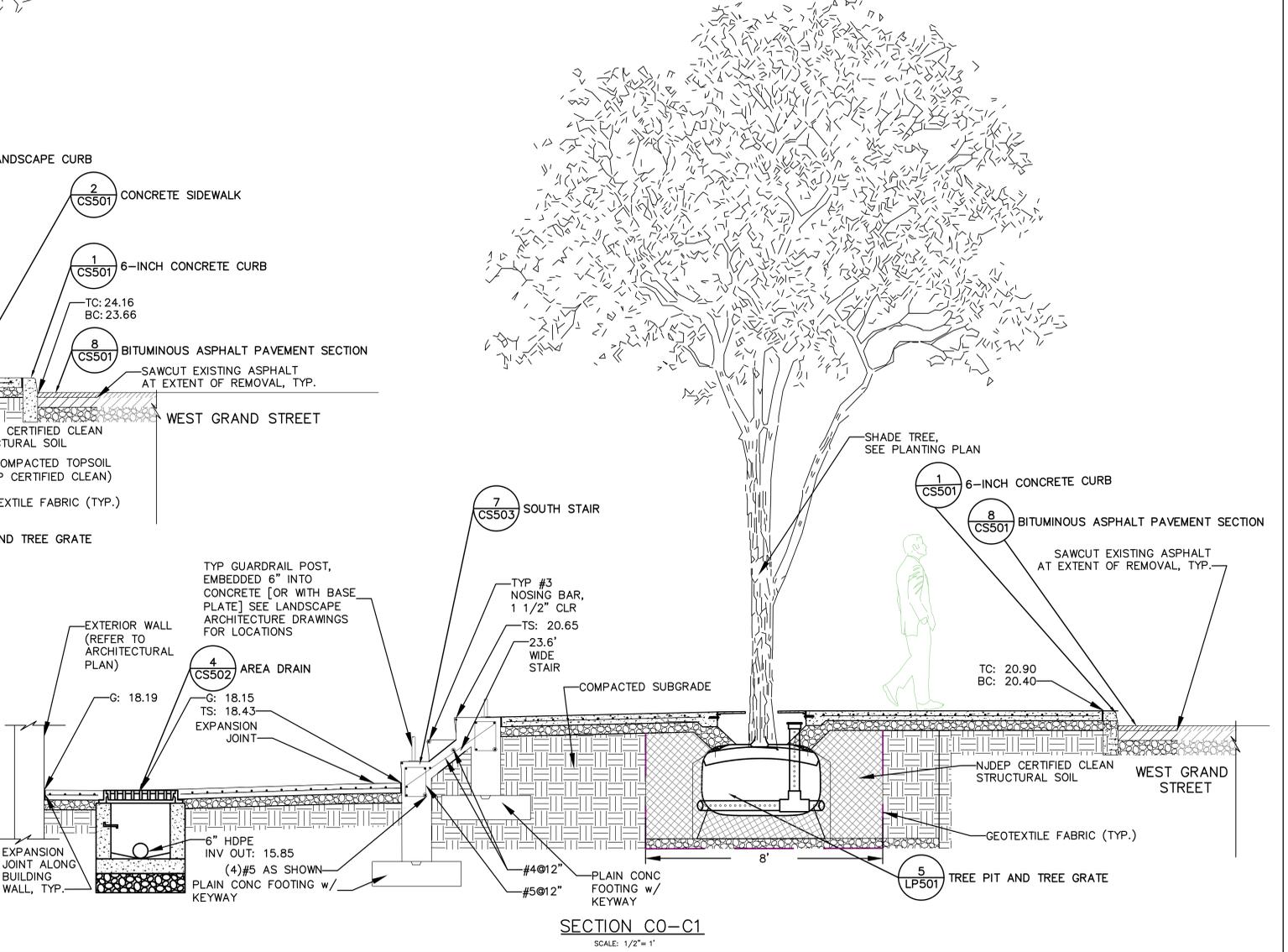
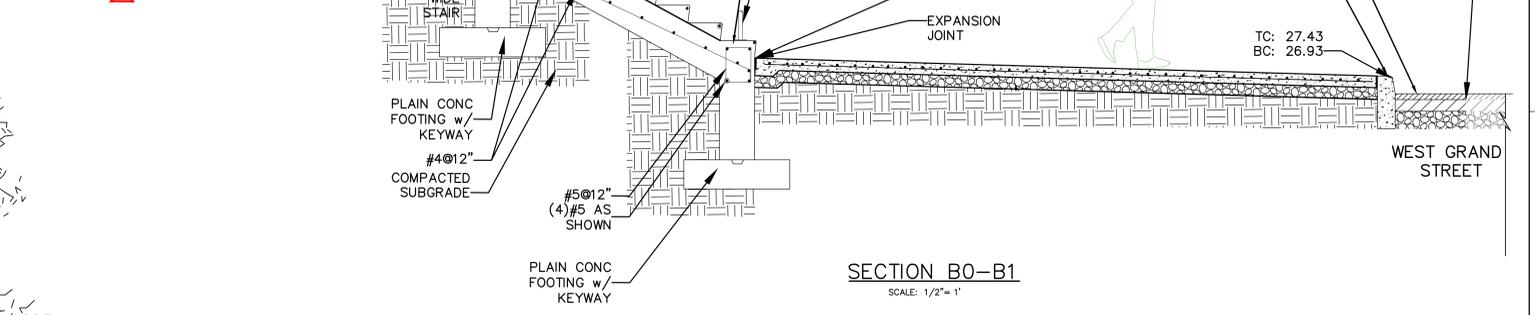
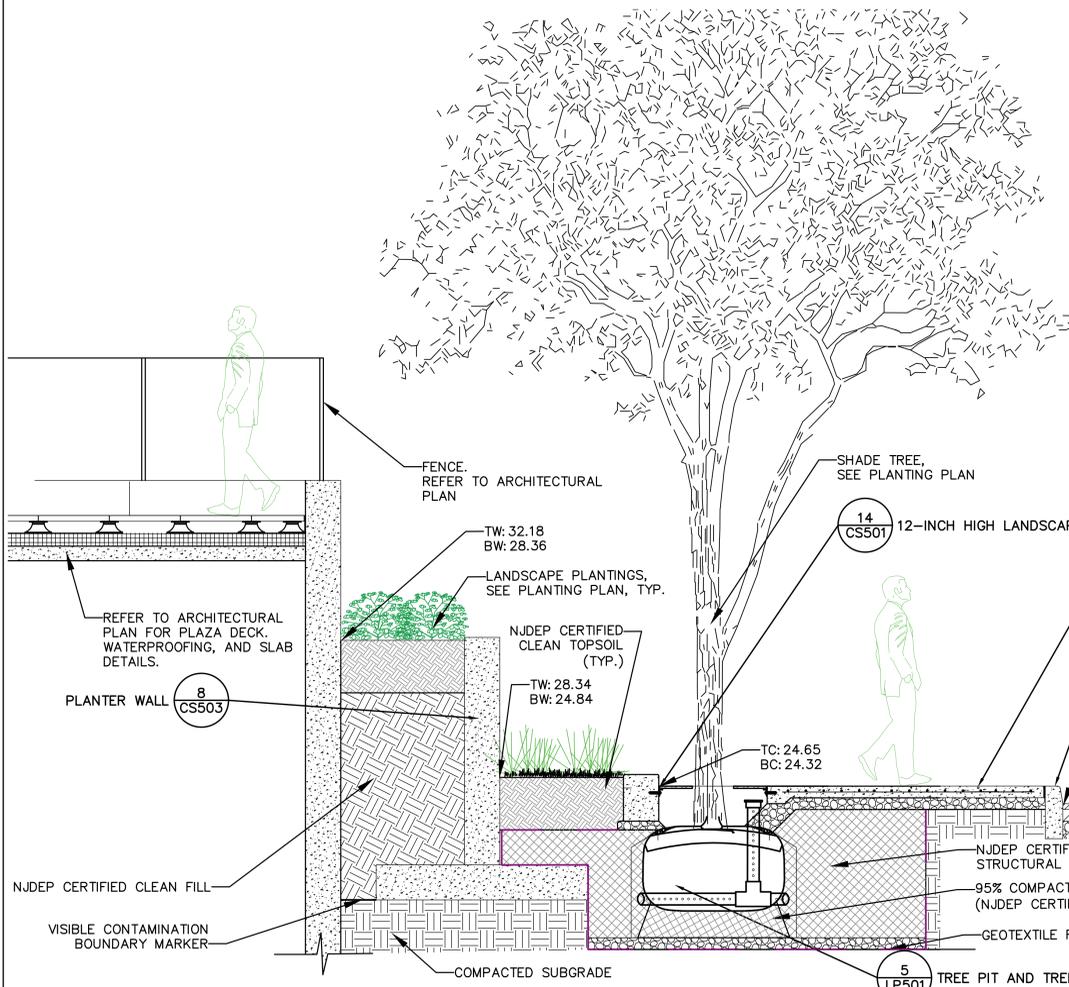
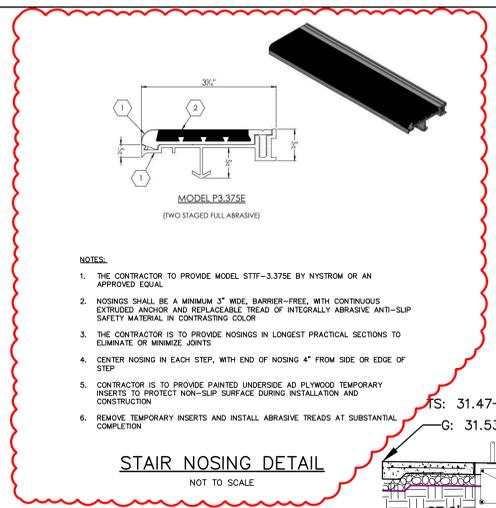
Sheet Name:  
**LANDSCAPE PLANTING PLAN**

Sheet No:  
**LP101**

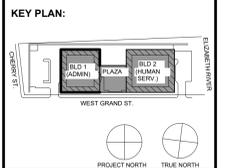




**KEY MAP**  
SCALE: 1" = 50'



**KEITH B. SMITH, PE, PP**  
PROFESSIONAL ENGINEER, NJ LIC No 33232



STATE PROJECT NO.  
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No.	Date	Description
1	11/08/23	FOR PUBLIC BID
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Jeffrey D. Venezia, AIA  
NJ RA AI 00827100

Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: WS  
Checked By: KBS

Sheet Name:  
**SECTION VIEWS**

Sheet No:  
**LP301**

## GENERAL LANDSCAPE PLANTING NOTES:

- PLANTING MATERIALS
- NAMES OF PLANTS AS DESCRIBED ON THIS PLAN CONFORM TO THOSE GIVEN IN "STANDARDIZED PLANT NAMES", 1942 EDITION PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE. NAMES OF PLANT VARIETIES NOT INCLUDED THEREIN CONFORM TO NAMES GENERALLY ACCEPTED IN NURSERY TRADE.
  - STANDARDS FOR TYPE, SPREAD, HEIGHT, ROOT BALL AND QUALITY OF NEW PLANT MATERIAL SHALL BE IN ACCORDANCE WITH GUIDELINES AS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK", PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERMEN. PLANT MATERIAL SHALL HAVE NORMAL HABIT OF GROWTH AND BE HEALTHY, VIGOROUS, AND FREE FROM DISEASES AND INSECT INFESTATION.
  - NEW PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS SPECIFIED OTHERWISE. ALL PLANTS SHALL BE SET PLUMB AND SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING. PLANT MATERIAL OF THE SAME SPECIES AND SPECIFIED AS THE SAME SIZE SHOULD BE SIMILAR IN SHAPE, COLOR AND HABIT. THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REJECT PLANT MATERIAL THAT DOES NOT CONFORM TO THE TYPICAL OR SPECIFIED HABIT OF THAT SPECIES.
  - THE CONTRACTOR SHALL NOT MAKE SUBSTITUTIONS. IF THE SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, THE CONTRACTOR SHALL SUBMIT PROOF OF NON-AVAILABILITY TO THE LANDSCAPE ARCHITECT AND OWNER TOGETHER WITH A WRITTEN PROPOSAL FOR USE OF AN EQUIVALENT MATERIAL.
  - THE LANDSCAPE ARCHITECT MAY REVIEW PLANT MATERIALS AT THE SITE, BEFORE PLANTING, FOR COMPLIANCE WITH REQUIREMENTS FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY. THE LANDSCAPE ARCHITECT RETAINS THE RIGHT TO FURTHER REVIEW PLANT MATERIALS FOR SIZE AND CONDITION OF BALLS AND ROOT SYSTEM, INSECTS, INJURIES, AND LATENT DEFECTS, AND TO REJECT UNSATISFACTORY OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. THE CONTRACTOR SHALL REMOVE REJECTED PLANT MATERIALS IMMEDIATELY FROM PROJECT SITE AS DIRECTED BY THE LANDSCAPE ARCHITECT OR OWNER.

- PLANTING MATERIALS
- REUSE SURFACE SOILS STOCKPILED ON SITE, VERIFYING COMPLIANCE WITH PLANTING SOIL AND TOPSOIL CRITERIA IN THIS SPECIFICATION THROUGH TESTING. CLEAN SURFACE SOIL OF ALL ROOTS, PLANTS, SOIL, AND GRAVEL OVER 1" IN DIAMETER AND DELETERIOUS MATERIALS. IF ON-SITE SOILS ARE TO BE USED FOR PROPOSED PLANTING, THE CONTRACTOR SHALL DEMONSTRATE, THROUGH SOIL TESTING, THAT ON-SITE SOILS MEET THE SAME CRITERIA AS INDICATED IN NOTES PLANS AND SPECIFICATIONS.
  - SUPPLEMENT WITH IMPORTED OR MANUFACTURED TOPSOIL FROM OFF SITE SOURCES WHEN TOPSOIL AND PLANTING SOIL QUANTITIES ARE INSUFFICIENT. OBTAIN SOIL DISPLACED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST 4" DEEP. DO NOT OBTAIN FROM AGRICULTURAL LAND, BOGS, MARSHES OR CONTAMINATED SITES.
  - IF DEPTH OF PLANTING SOILS AND TOPSOIL IS NOT INDICATED IN PLANS OR DETAILS, A MINIMUM 18" DEPTH SHALL BE PROVIDED FOR ALL TREES AND LARGE SHRUBS; MINIMUM 12" DEPTH SHALL BE PROVIDED FOR GROUNDCOVERS, HERBACEOUS AND MEADOW OR ORNAMENTAL GRASSES AND A MINIMUM 6" LAYER SHALL BE INSTALLED IN ALL LAWN AREAS. TOPSOIL AND PLANTING SOIL DEPTH INDICATED ON PLANS AND PLANTING DETAILS AND NARRATIVE SPECIFICATIONS SHALL GOVERN DEPTH WHEN PROVIDED.
  - WHERE PLANTING AREAS ARE PROPOSED FOR FORMER PAVED OR GRAVEL AREAS, BEDS SHALL BE EXCAVATED TO A MINIMUM 30" DEPTH AND, AT A MINIMUM, BE BACKFILLED WITH BOTTOM LAYER OF SANDY LOAM (ORGANIC CONTENT LESS THAN 2%) OVER WHICH TOPSOIL AND PLANTING SOILS WILL BE PLACED AT DEPTHS INDICATED IN PLANS, DETAILS AND NOTES.
  - IF THE QUANTITY OF SOILS FROM THE SITE IS NOT ADEQUATE TO FILL PLANTING AREAS TO THE DEPTH INDICATED IN THE PLANS AND DETAILS, CONTRACTOR SHALL FURNISH PLANTING SOILS THAT ARE FREE OF BROKEN GLASS, PAINT CHIPS, PLASTIC, DELETERIOUS MATERIALS, ROOTS, WEEDS, BOLLERS, COBBLES AND GRAVEL OVER 1" IN DIAMETER AND COMPLY WITH THE FOLLOWING CRITERIA:
    - SOILS SHALL MEET ALL APPLICABLE SOIL REMEDIATION STANDARDS
    - ORGANIC CONTENT: 2-5% IN NATIVE SOILS; UP TO 10% IN AMENDED SOILS
    - SOLUBLE SALTS: LESS THAN 0.5 MM HOS/CM
    - SOIL PH: 4.5-7.5 TO BE AMENDED PER SOIL TEST RESULTS
    - PHYSICAL (SEVE) ANALYSIS/ SOIL TEXTURE: SAND: 40-60% SILT: 25-60% CLAY: 5-20%
    - NOT MORE THAN 1% OF MATERIAL SHALL BE RETAINED BY A #4 SIEVE.

- IF SOIL ORGANIC CONTENT IS INADEQUATE, SOIL SHALL BE AMENDED WITH COMPOST OR ACCEPTABLE WEED FREE ORGANIC MATTER. ORGANIC AMENDMENT SHALL BE WELL MIXED WITH PLANTING SOIL. MOISTURE CONTENT 35-55% BY WEIGHT 100% PASSING THROUGH 1" SIEVE; SOLUBLE SALT CONTENT LESS THAN 0.5 MM HOS/CM; MEETING ALL APPLICABLE ENVIRONMENTAL CRITERIA FOR "CLEAN FILL"; FREE OF BROKEN GLASS, PAINT CHIPS, PLASTIC, DELETERIOUS MATERIALS, ROOTS, WEEDS, BOLLERS, COBBLES AND GRAVEL OVER 1" IN DIAMETER
- SCARIFY AND/OR TILL ALL COMPACTED SUBSOILS PRIOR TO ADDING PLANTING SOIL OR TOPSOIL. PLANTING SOILS AND TOPSOIL SHALL BE PLACED IN 12"-18" LIFTS THAT ARE LOOSELY COMPACTED. NO SOILS SHALL BE PLACED IN A FROZEN OR MUDDY CONDITION.

### DELIVERY, STORAGE, AND HANDLING

- PACKAGED MATERIALS: PACKAGED MATERIALS SHALL BE DELIVERED IN CONTAINERS SHOWING WEIGHT, ANALYSIS, AND NAME OF MANUFACTURER. MATERIALS SHALL BE PROTECTED FROM DETRIORATION DURING DELIVERY, AND WHILE STORED AT SITE.
- TREES AND SHRUBS: THE CONTRACTOR SHALL PROVIDE TREES AND SHRUBS DUG FOR THE GROWING SEASON FOR WHICH THEY WILL BE PLANTED. DO NOT PRUNE PRIOR TO DELIVERY UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT. DO NOT BEND OR BRING IN TREES OR SHRUBS IN SUCH A MANNER AS TO DAMAGE BARK, BREAK BRANCHES, OR DESTROY NATURAL SHAPE. PROVIDE PROTECTIVE COVERING DURING TRANSPORT. DO NOT DROP OR BREAK BARKED STOCK DURING DELIVERY OR HANDLING.
- ALL PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT BALL WRAPPING AND BINDING MATERIAL MADE OF SYNTHETIC OR PLASTICS SHALL BE REMOVED FROM THE TOP OF THE BALL AT THE TIME OF PLANTING. IF THE PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, THE WIRE BASKET SHALL BE CUT AND FOLDED DOWN 8" INTO THE PLANTING HOLE. WITH CONTAINER-GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE ROOT BALL SHALL BE CUT THROUGH THE SURFACE IN TWO LOCATIONS.
- THE CONTRACTOR SHALL HAVE TREES AND SHRUBS DELIVERED TO SITE AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND PLANT IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN 6 HOURS AFTER DELIVERY, THE CONTRACTOR SHALL SET TREES AND SHRUBS IN SHADE, PROTECT FROM WEATHER AND MECHANICAL DAMAGE AND KEEP ROOTS MOIST BY COVERING WITH MULCH, BURLAP OR OTHER ACCEPTABLE MEANS OF RETAINING MOISTURE.

### INSTALLATION

- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY AND SEWER LINES PRIOR TO THE START OF EXCAVATION ACTIVITIES. NOTIFY THE PROJECT ENGINEER AND OWNER IMMEDIATELY OF ANY CONFLICTS WITH PROPOSED PLANTING LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE.
  - THE CONTRACTOR TO STAKE OUT PLANTING LOCATIONS, FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT AND/OR OWNER BEFORE PLANTING WORK BEGINS. THE LANDSCAPE ARCHITECT AND/OR OWNER SHALL DIRECT THE CONTRACTOR IN THE FINAL PLACEMENT OF ALL PLANT MATERIAL AND LOCATION OF PLANTING BEDS TO ENSURE COMPLIANCE WITH DESIGN INTENT UNLESS OTHERWISE INSTRUCTED.
  - NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT OR PROJECT ENGINEER.
  - ALL LANDSCAPED AREAS TO BE CLEARED OF ROCKS, STUMPS, TRASH AND OTHER UNSIGHTLY DEBRIS. ALL FINE GRADED AREAS SHOULD BE HAND RAKED THOROUGHLY ELIMINATING ANY CLUMPS AND UNEVEN SURFACES PRIOR TO PLANTING OR MULCHING.
  - ALL PLANT MATERIAL SHALL BE INSTALLED AS PER DETAILS, NOTES AND CONTRACT SPECIFICATIONS. THE LANDSCAPE ARCHITECT MAY REVIEW INSTALLATION AND MAINTENANCE PROCEDURES.
  - THE CONTRACTOR SHALL KEEP AREA CLEAN DURING DELIVERY AND INSTALLATION OF PLANT MATERIALS. REMOVE AND DISPOSE OF OFF-SITE ANY ACCUMULATED DEBRIS OR UNUSED MATERIALS. REPAIR DAMAGE TO ADJACENT AREAS CAUSED BY LANDSCAPE INSTALLATION OPERATIONS.
  - AFTER PLANT IS PLACED IN TREE PIT LOCATION, ALL TWINE HOLDING ROOT BALL TOGETHER SHOULD BE COMPLETELY REMOVED AND THE BURLAP SHOULD BE PULLED DOWN 1/3 OF THE ROOT BALL IS EXPOSED. SYNTHETIC BURLAP SHOULD BE COMPLETELY REMOVED AFTER INSTALLATION.
  - MULCH SHOULD NOT BE PILED UP AROUND THE TRUNK OF ANY PLANT MATERIAL. NO MULCH OR TOPSOIL SHOULD BE TOUCHING THE BASE OF THE TRUNK OR COLLAR.
  - ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR AS REQUIRED BY OWNER AND WEATHER CONDITIONS TO MAINTAIN VIGOROUS AND HEALTHY PLANT GROWTH.
  - AFTER COMPLETION OF A PROJECT, ALL EXPOSED GROUND SURFACES THAT ARE NOT PAVED WITHIN THE CONTRACT LIMIT LINE AND THAT ARE NOT COVERED BY LANDSCAPE PLANTING OR SEEDING AS SPECIFIED, SHALL BE COVERED BY A SHREDDED HARDWOOD BARK OR APPROVED EQUAL MULCH THAT WILL PREVENT SOIL EROSION AND THE EMANATION OF DUST.
  - CONTRACTOR SHALL SUPPLY SUPPLEMENTARY IRRIGATION UNTIL ACCEPTANCE BY OWNER.
- GUARANTEE
- NEW PLANT MATERIAL SHALL BE GUARANTEED TO BE ALIVE AND IN VIGOROUS GROWING CONDITION FOR A PERIOD OF ONE YEAR FOLLOWING DELIVERY BY THE OWNER. PLANT MATERIAL FOUND TO BE UNHEALTHY, DYING OR DEAD DURING THIS PERIOD, SHALL BE REMOVED AND REPLACED IN KIND BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- MAINTENANCE
- DEBRIS AND WEED CONTROL: THIS TASK SHALL INCLUDE THE REMOVAL OF ALL UNDESIRABLE LITTER, DEBRIS, AND WEEDS. THE OBJECTIVE OF THIS SUBSECTION'S TASK IS TO PROVIDE A NEAT, ORDERLY, WELL-MAINTAINED APPEARANCE TO ANY OBJECTS OR PLANTS WHOSE HEALTH OR SAFETY HAZARD OR AN UNNATURAL VISUAL NUISANCE SHALL BE REMOVED IMMEDIATELY.
  - MULCHING: ALL PLANTING BEDS WITH EXISTING OR SPECIFIED ORGANIC MULCH SHALL BE MAINTAINED WITH A MINIMUM TWO-INCH DEPTH OF SHREDDED BARK MULCH OR AN EQUIVALENT. TO MAINTAIN THIS LEVEL, NEW MULCH SHALL BE APPLIED EACH SPRING AS NEEDED. EXISTING MULCH, STONE OR OTHER MATERIALS SHALL BE MAINTAINED WITH A NEAT APPEARANCE AND AT SUCH A LEVEL THAT NO WEEDS, BARE GROUND OR SOIL ARE EXPOSED.
  - PLANTINGS: LANDSCAPE MAINTENANCE SHALL INCLUDE THE RESEEDING OR REPLANTING OF LANDSCAPE AREAS WHICH ARE DAMAGED, DESTROYED, OR FAILING DUE TO INSECTS, DISEASE, WEATHER, OR PHYSICAL DAMAGE. ALL LANDSCAPED AREAS WHICH ARE DAMAGED, DESTROYED OR ARE FAILING, AS DESCRIBED ABOVE, SHALL BE REPLACED DURING THE NEXT PLANTING SEASON.
  - EXISTING AND PROPOSED PLANT MATERIAL SHALL BE MAINTAINED TO PROVIDE MINIMUM SIGHT DISTANCE THROUGHOUT THE SITE.
  - CONTRACTOR SHALL ASSESS THE NEED FOR DEER PROTECTION ON SITE. IF DEEMED NECESSARY, SHADE AND ORNAMENTAL TREES SHALL BE PROTECTED THROUGH WINTER WITH SPIRAL WRAP TREE GUARDS, OR APPROVED EQUAL PROTECTION LENGTHY TO BE FROM BELOW THE LOWEST BRANCH AND DOWN TO WITHIN A FEW INCHES OF THE GROUND. THE GUARDS CAN BE REMOVED IN SPRING AND SAVED FOR RE-INSTALLATION DURING THE FOLLOWING WINTERS AS PART OF A MAINTENANCE PROGRAM.

## MEADOW SEEDING NOTES:

- MEADOW SEED MIX "A" - ERNST SEED MIX ERNMX-181 "NATIVE STEEP SLOPE MIX W/ ANNUAL RYEGRASS"
 

27.3%	SORGHASTRUM NUTANS, PA ECOTYPE	INDIANGRASS
20.0%	LOLUM MULTIFLORUM	ANNUAL RYEGRASS
11.0%	ANDROPOGON GERARDII, "NIAGARA"	BIG BLUESTEM
10.0%	ELYMUS VIGINICUS, PA ECOTYPE	VIRGINIA WILDRIE
7.0%	ELYMUS CANADENSIS	CANADA WILDRIE
6.1%	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM
5.0%	TRIDENS FLAVU	AUTUMN BENTGRASS
4.0%	AGRISTIS PERENNANS	SWITCHGRASS
3.0%	PANICUM VIRGATUM, "SHAWNEE"	PARTRIDGE PEA
1.5%	CHAMAECRISTA FASCICULATA	PURPLE CONEFLOWER
1.2%	COHNAZIA PURPUREA	LANCELEAF CONEFLOSS
1.0%	GOREOPSIS LANCEOLATA	BLACKEYED SUSAN
1.0%	RUDECKIA HIRTA	DIKYE SUNFLOWER
0.8%	HELIOPSIS HELIANTHODES	CAULCO ASTER
0.5%	ASTER LATERIFLORUS	COMMON MILKWEED
0.3%	ASCLEPIAS SYRIACA	BLAZING STAR
0.2%	MONARDA FISTULOSA	MILD BERGAMOT

- NOTES:
- SEED AT A RATE OF 60 LBS./ACRE.
  - FOR SPRING SEEDING, APPLY A NURSE CROP OF OATS AT A RATE OF 20 LBS./ACRE.
  - FOR FALL SEEDING, APPLY A NURSE CROP OF BARLEY AT A RATE OF 20 LBS./ACRE.

- GENERAL SEEDING NOTES:
- SEEDING SHALL TAKE PLACE IN THE SPRING (APRIL 1 TO JUNE 1) OR THE FALL (SEPTEMBER 1 TO OCTOBER 1).
  - ELIMINATE UNWANTED VEGETATION PRIOR TO SEEDING USING A BROAD-SPECTRUM NON-SELECTIVE HERBICIDE PER MANUFACTURER'S SPECIFICATIONS.
  - IT IS RECOMMENDED THAT CONTRACTOR INSTALL SEED MIXTURE USING A NO-TILL TRIAX-TYPE DRILL WHERE APPLICABLE.
  - CONTINUOUS MOISTURE FOR 4-6 WEEKS MUST BE INSURED TO ALLOW PROPER GERMINATION.

- WEED CONTROL/MAINTENANCE NOTES:
- DURING THE ESTABLISHMENT YEAR, CONTRACTOR SHALL MOW SEEDING IF WEED HEIGHT EXCEEDS MEADOW MIX HEIGHT; MOW AT A HEIGHT OF 8"-10"; DO NOT MOW CLOSE, AS SOME OF THE MEADOW MIX MAY BE DAMAGED.
  - AFTER THE FIRST GROWING SEASON, AND IF MEADOW MIX IS WELL ESTABLISHED, THE MEADOW MIX SHALL BE MOWED ONLY ONCE ANNUALLY. ANNUAL MAINTENANCE MOWING SHALL BE DONE IN LATE WINTER DURING THE MONTH OF MARCH.
  - MOW IN WETLAND AND WETLAND TRANSITION AREAS DURING DRIER SITE CONDITIONS WHEN SOIL DISTURBANCE WILL NOT OCCUR. MAINTENANCE FOR WETLAND AND WETLAND TRANSITION AREAS SHALL OCCUR DURING LATE SUMMER (JULY 1 TO AUGUST 15) WHEN THE WATER TABLE IS USUALLY AT ITS LOWEST POINT OF THE YEAR. DO NOT MOW IN WETLAND OR WETLAND TRANSITION AREAS ESTABLISHMENT OF MEADOW MIX.

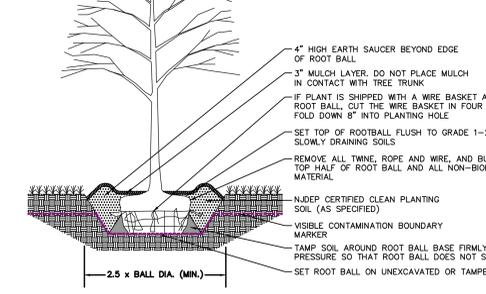
## LAWN SEED NOTES:

- PRIOR TO SEEDING, AREA IS TO BE TOPSOILED, FINE GRADED, AND RAKED OF ALL DEBRIS LARGER THAN 2" DIAMETER.
- THE FOLLOWING SEED MIX SHALL BE SOWN AT THE RATES AS SPECIFIED:
 

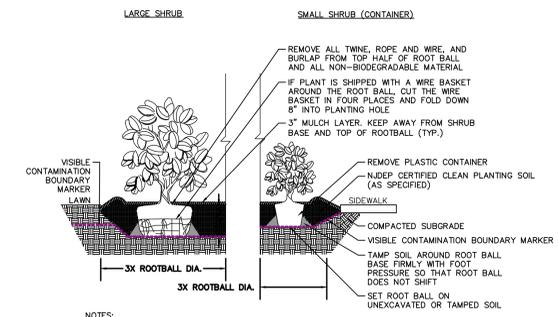
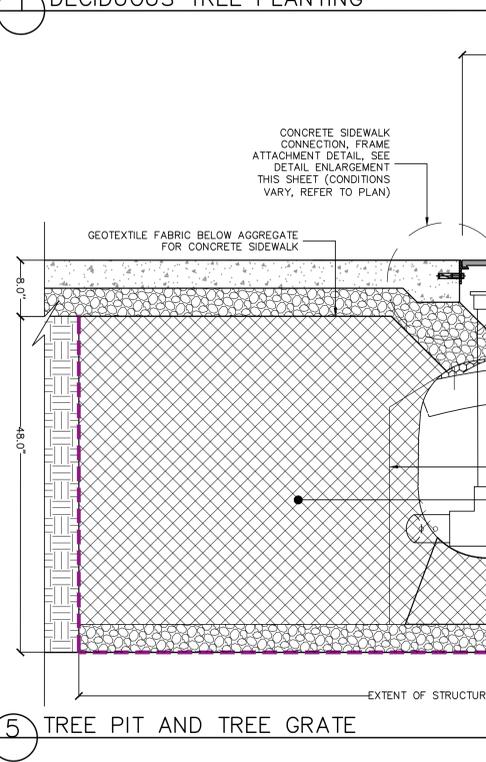
RED FESCUE	1 1/2 LBS./1,000 SF
PERENNIAL RYEGRASS	1 LBS./1,000 SF
KENTUCKY BLUEGRASS	1 1/2 LBS./1,000 SF
SPREADING FLEURBA	1 LBS./1,000 SF
- SEED MIX SHALL BE MULCHED WITH SALT HAY OR UNROTTED SMALL GRAIN STRAW AT A RATE OF 2 TONS/AC OR 90 LBS./1,000 SF
- SEEDING DATES FOR THIS MIXTURE SHALL BE AS FOLLOWS:
  - SPRING: APRIL 1 - MAY 31
  - FALL: AUGUST 16 - OCTOBER 31
- GERMINATION RATES WILL VARY AS TO TIME OF YEAR FOR SOWING. CONTRACTOR TO IRRIGATE SEEDED AREA UNTIL AN ACCEPTABLE STAND OF COVER IS ESTABLISHED BY OWNER.

## SHRUB PLANTING

- PLANTS ARE TO BE SPACED EQUIDISTANT FROM EACH OTHER.
- REFER TO PLAN AND SCHEDULE FOR SPACING OF INDIVIDUAL PLANTS.
- REMOVE ALL WIRE, PLASTIC, TAGS OR SYNTHETIC MATERIAL FROM PLANTS PRIOR TO PLANTING.

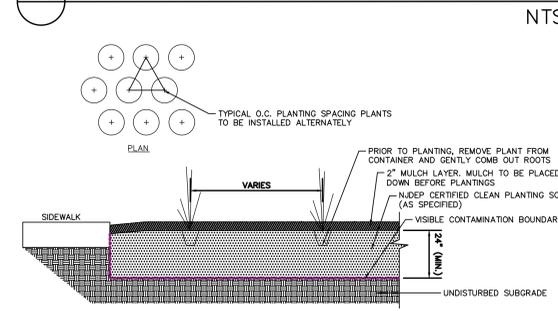


## DECIDUOUS TREE PLANTING



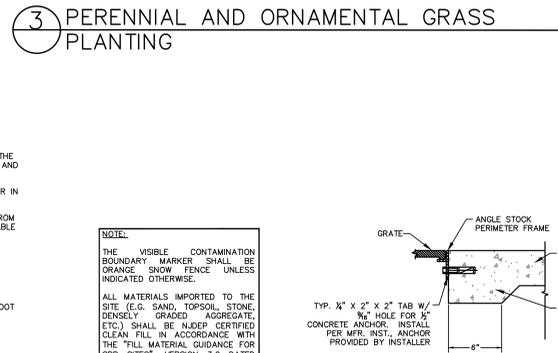
- NOTES:
- ALL SHRUBS TO BE SET PLUMB.
  - REFER TO LANDSCAPE PLAN FOR SPACING OF INDIVIDUAL PLANTS.
  - REMOVE ALL WIRE, PLASTIC, TAGS OR SYNTHETIC MATERIAL FROM PLANTS PRIOR TO PLANTING.

## PERENNIAL AND ORNAMENTAL GRASS PLANTING



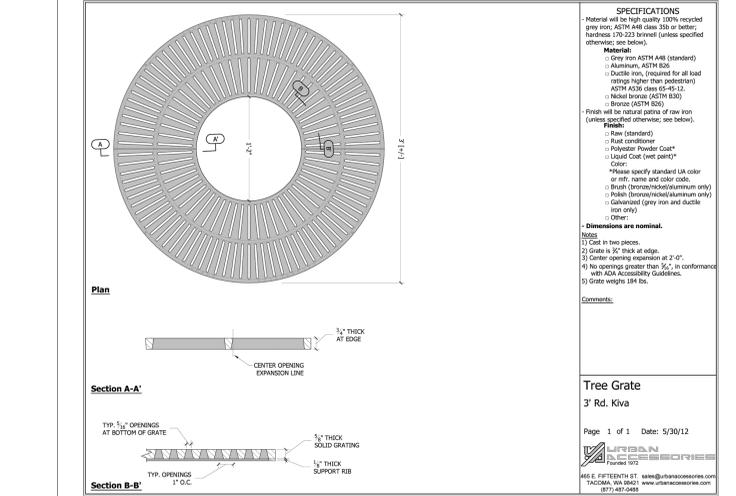
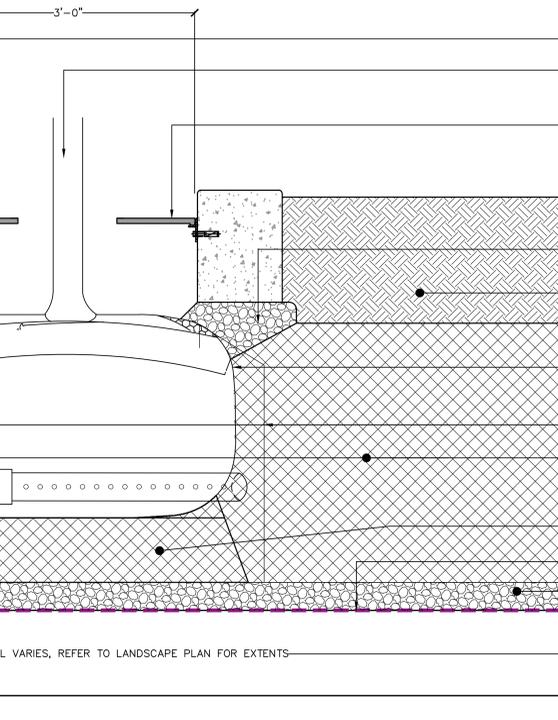
- NOTES:
- PLANTS ARE TO BE SPACED EQUIDISTANT FROM EACH OTHER.
  - REFER TO PLAN AND SCHEDULE FOR SPACING OF INDIVIDUAL PLANTS.
  - REMOVE ALL WIRE, PLASTIC, TAGS OR SYNTHETIC MATERIAL FROM PLANTS PRIOR TO PLANTING.

## RECTILINEAR PLANTERS

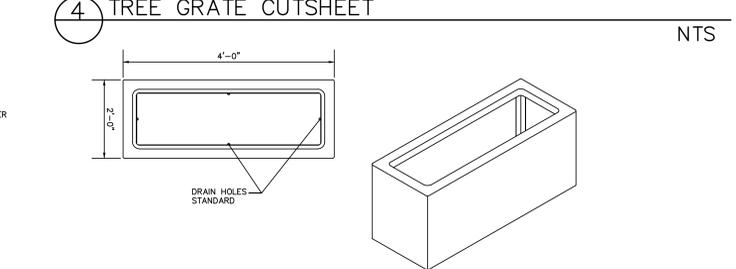


- NOTES:
- DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
  - HANDMADE USING APPLIED LAYERS OF GLASS-FIBER REINFORCED THERMOSETTING RESIN.
  - SEAMLESS CONSTRUCTION.
  - EACH PLANTER IS DESIGNED AND CONSTRUCTED WITH ENOUGH STRUCTURAL REINFORCEMENT TO ACCOMMODATE THE PROPORTIONAL WEIGHT OF A PLANTED TREE.
  - ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
  - THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

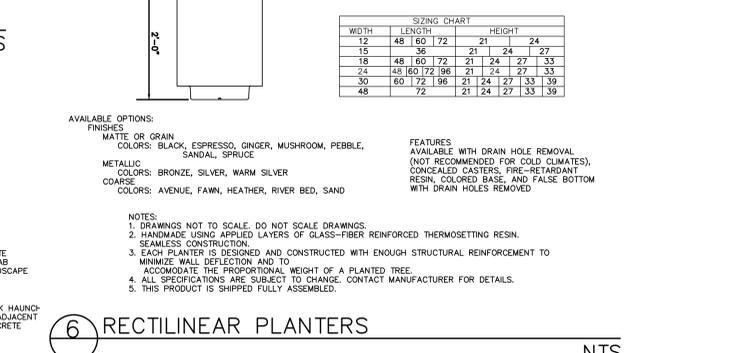
## TREE PIT AND TREE GRATE



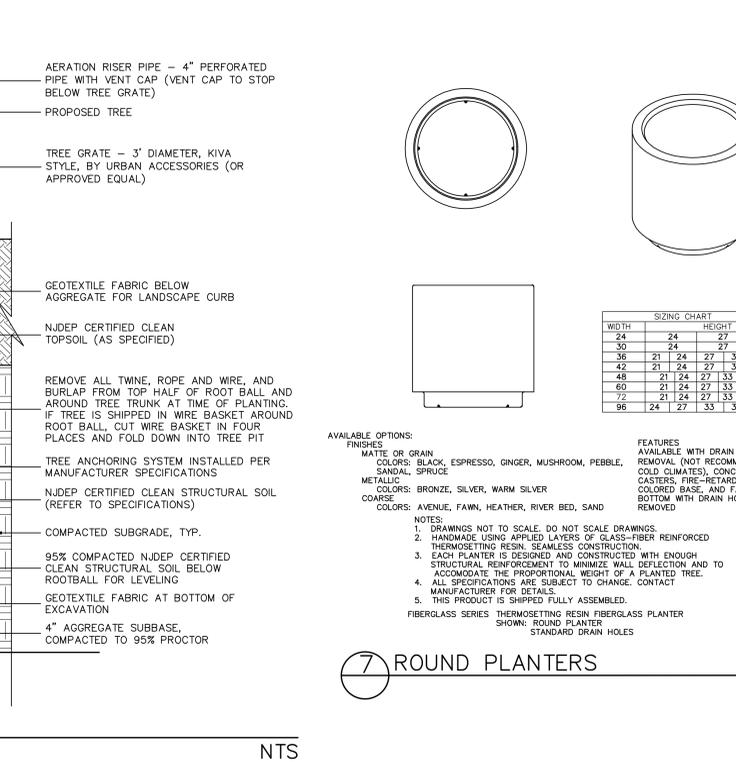
## TREE GRATE CUTSHEET



## ROUND PLANTERS



## ROUND PLANTERS



**SPECIFICATIONS**

Material will be high quality 100% recycled gray mix, ASTM A48 class 305 or better; hardness 70-212 Brinell (unless specified otherwise see below).

Gray mix ASTM A48 (standard)  
 Aluminum, ASTM B209  
 Ductile iron, (required for all load ratings higher than pedestrian)  
 ASTM A536 class 65-45-12  
 (unless specified otherwise see below)  
 Bronze (ASTM B205)  
 Cast Iron (ASTM A248)  
 Finish will be uniform color of new iron (unless specified otherwise see below).

Color:  
 - Raw (standard)  
 - Liquid (standard)  
 - Polyester Powder Coat\*  
 - Liquid Coat (see note #4)  
 \*Please specify standard L&R color or name of color code.  
 \*Brush (chromium/chrome/aluminum only)  
 \*Cast Iron (gray iron and ductile iron)  
 Other:

Dimensions are standard.

Notes:  
 1) Set back pieces.  
 2) Grate is 3/8" thick at edge.  
 3) Center opening minimum 2" x 2".  
 4) No openings greater than 5/8". In conformance with state accessibility guidelines.  
 5) Grate weighs 184 lbs.

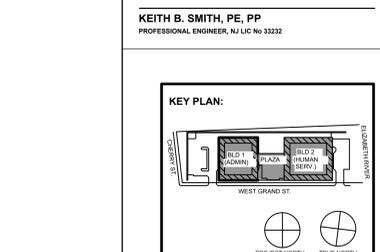
Comments:

Page 1 of 1 Date: 5/30/12

**LFPA**  
 LINDSEY FRENCH & PARELLO ASSOCIATES  
 485 E. FIFTEENTH ST. SUITE 100  
 TACOMA, WA 98402  
 www.lfpainc.com

**KEITH B. SMITH, PE, PP**  
 PROFESSIONAL ENGINEER, NJ LIC No 33322

**FPA**  
 FRENCH & PARELLO ASSOCIATES  
 Corporate Office:  
 1800 34<sup>th</sup> Suite 103  
 Wall, New Jersey 07710  
 732-912-2600  
 Pennsylvania Georgia  
 FPAengineers.com



STATE PROJECT NO.  
 0000-000-00-0000

NO.	DATE	DESCRIPTION
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## REVISIONS / ISSUES

11/08/25  
 FOR PUBLIC BID

NO. DATE DESCRIPTION

Revisions / Issues

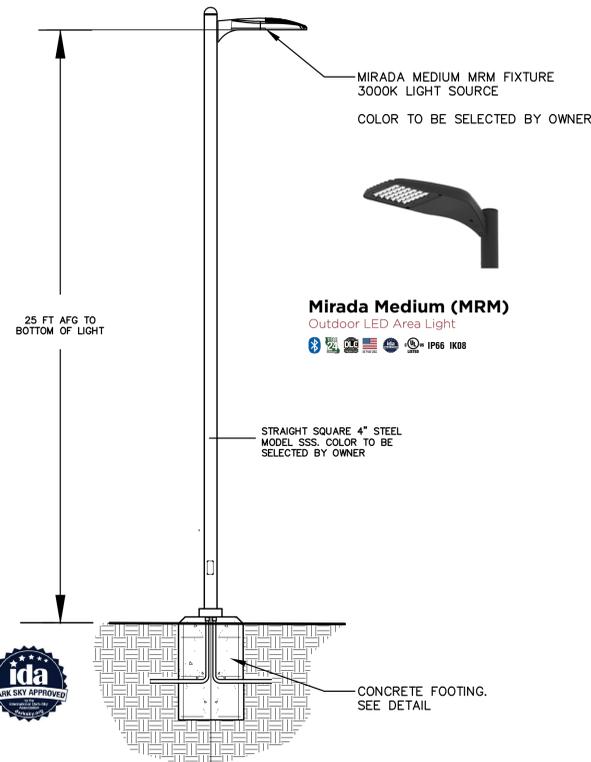
**DiGroupArchitecture**  
 ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.245.6242  
 2450 W. Hunting Park Ave. • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezia, AIA  
 NJ RA 01 00827100

Client:  
 UNION COUNTY IMPROVEMENT AUTHORITY





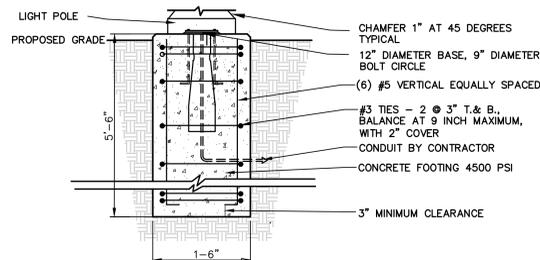
NOTES:

1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR OWNER'S APPROVAL PRIOR TO ORDERING ANY MATERIAL AND FOR PROPOSED FOOTINGS/PEDESTALS.
2. LIGHT FIXTURE PRODUCT INFO:

PRODUCT: MIRADA MEDIUM MRM LED SERIES, LED LUMINAIRE MODELS AS SPECIFIED IN LUMINAIRE SCHEDULE  
MANUFACTURER: LSI INDUSTRIES INC. OR APPROVED EQUAL

**25' HIGH POLE MOUNTED FIXTURE DETAIL (FIXTURE A & B)**

NOT TO SCALE

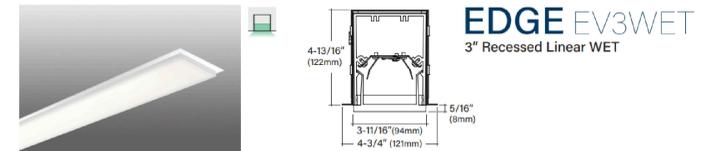


NOTE:

1. THE CONTRACTOR IS RESPONSIBLE TO CONFIRM AND COORDINATE THE ANCHOR BOLT PATTERN, SIZE, AND NUMBER PER THE LIGHT POLE MANUFACTURER'S SPECIFICATIONS.

**LIGHT POLE CONCRETE FOOTING DETAIL (FIXTURE A & B)**

NOT TO SCALE



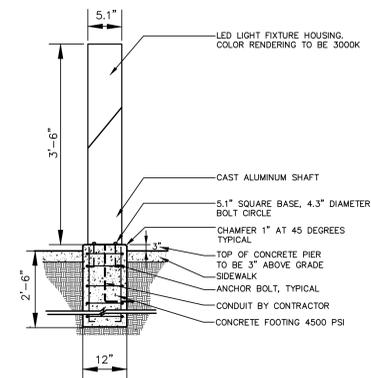
NOTES:

1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR OWNER'S APPROVAL PRIOR TO ORDERING ANY MATERIAL. COLOR TO BE SELECTED BY OWNER.
2. LIGHT FIXTURE PRODUCT INFO:

PRODUCT: PINNACLE ARCHITURAL LIGHTING EDGE EV3 RECESSED LINEAR LED, LUMINAIRE MODELS AS SPECIFIED IN LUMINAIRE SCHEDULE  
MANUFACTURER: PINNACLE ARCHITURAL LIGHTING, DENVER, CO  
WWW.PINNACLE-LTG.COM  
PHONE: 303-322-5570

**RECESSED CANOPY LIGHT FIXTURE DETAIL (FIXTURE D)**

NOT TO SCALE



NOTES:

1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR OWNER'S APPROVAL PRIOR TO ORDERING ANY MATERIAL AND FOR PROPOSED FOOTINGS/PEDESTALS. COLOR TO BE SELECTED BY OWNER.
2. LIGHT FIXTURE PRODUCT INFO:

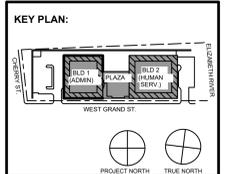
PRODUCT: HESS AMERICA SIERRA O BOLLARD LED, LUMINAIRE MODELS AS SPECIFIED IN LUMINAIRE SCHEDULE  
MANUFACTURER: HESS AMERICA, GAFFNEY, SC  
WWW.HESSAMERICA.COM  
PHONE: 864-487-3535

**BOLLARD LIGHT FIXTURE DETAIL (FIXTURE C)**

NOT TO SCALE



KEITH B. SMITH, PE, PP  
PROFESSIONAL ENGINEER, NJ LIC No 33232



STATE PROJECT NO.  
0000-000-00-0000

No.	Date	Description
1	11/08/23	FOR PUBLIC BID

**DiGroupArchitecture**  
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T. 732.246.6242  
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Venezia, AIA  
NJ RA AI 00827100

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

Client:  
UNION COUNTY IMPROVEMENT AUTHORITY

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

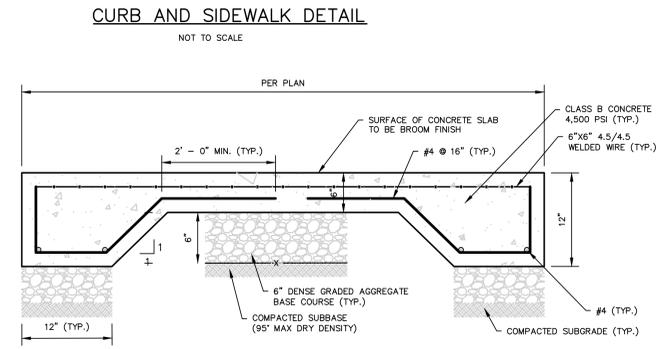
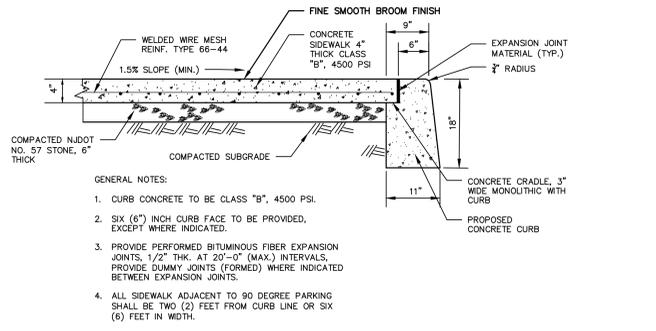
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: WS  
Checked By: KBS

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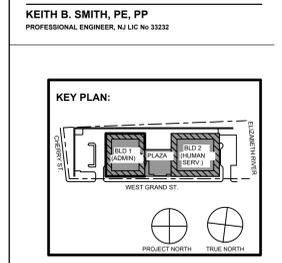
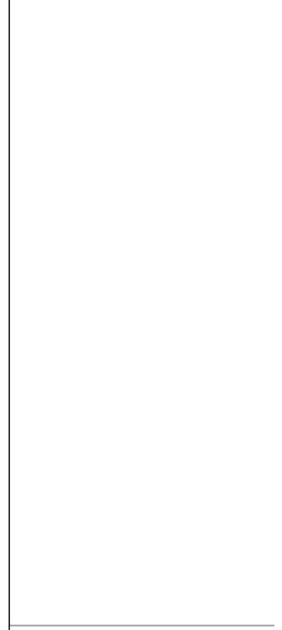
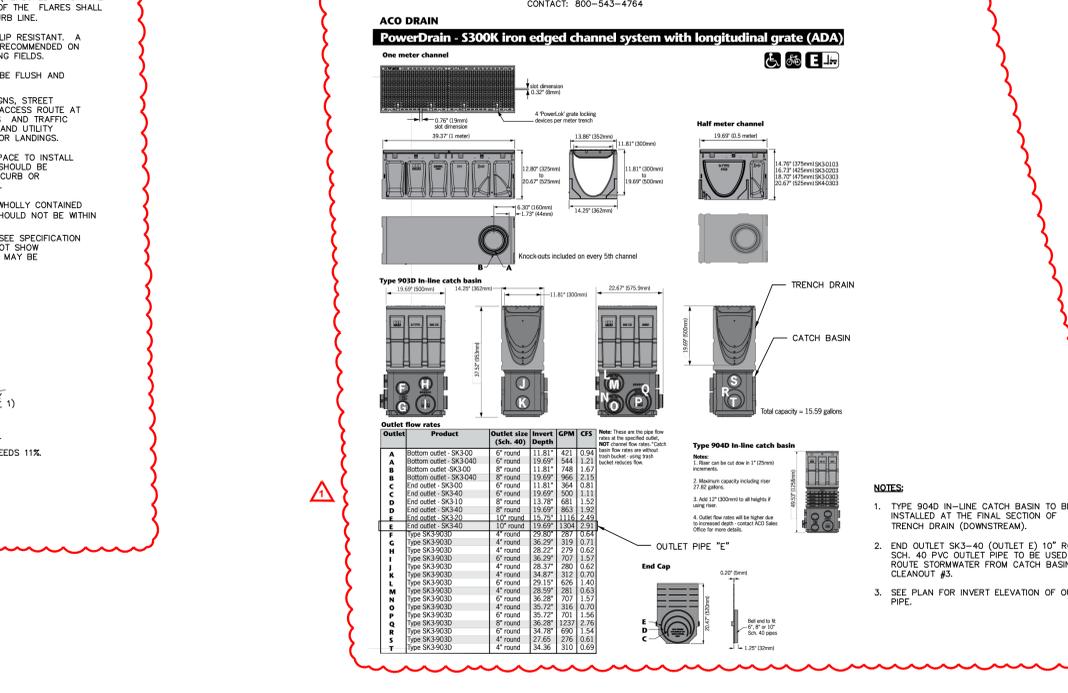
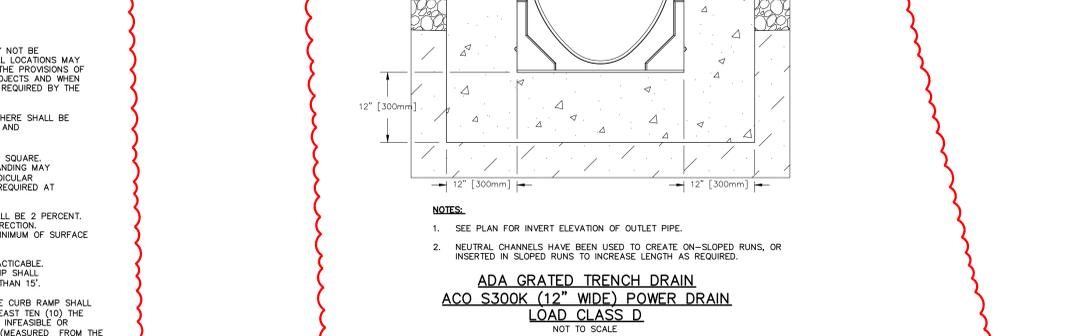
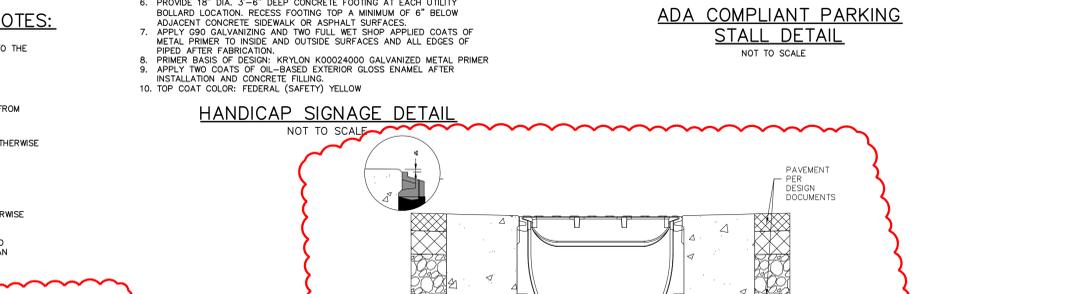
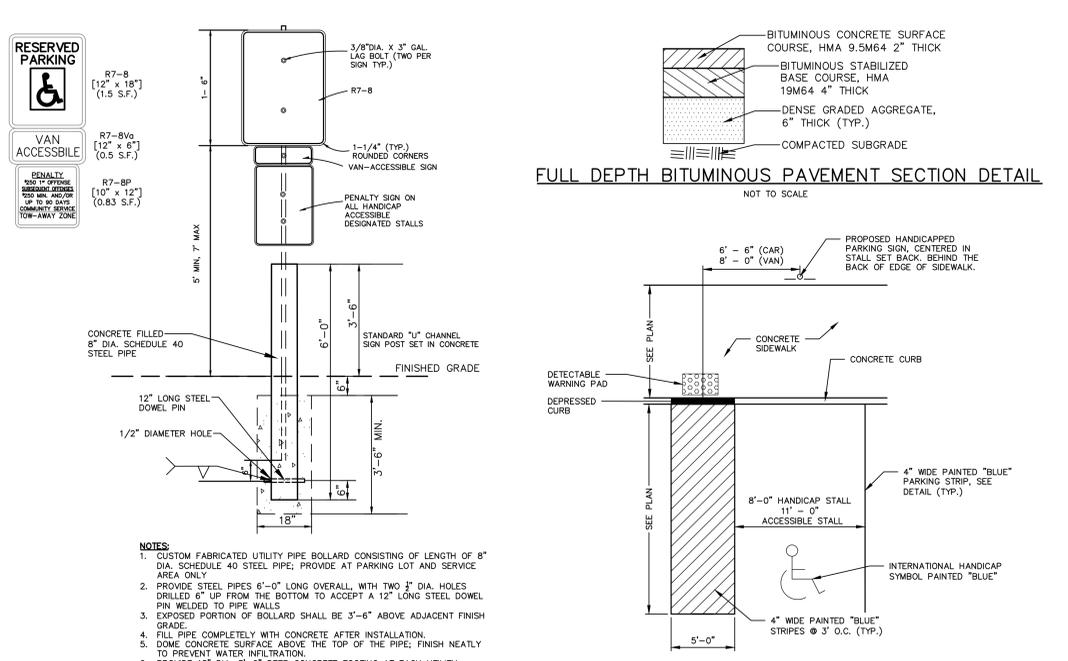
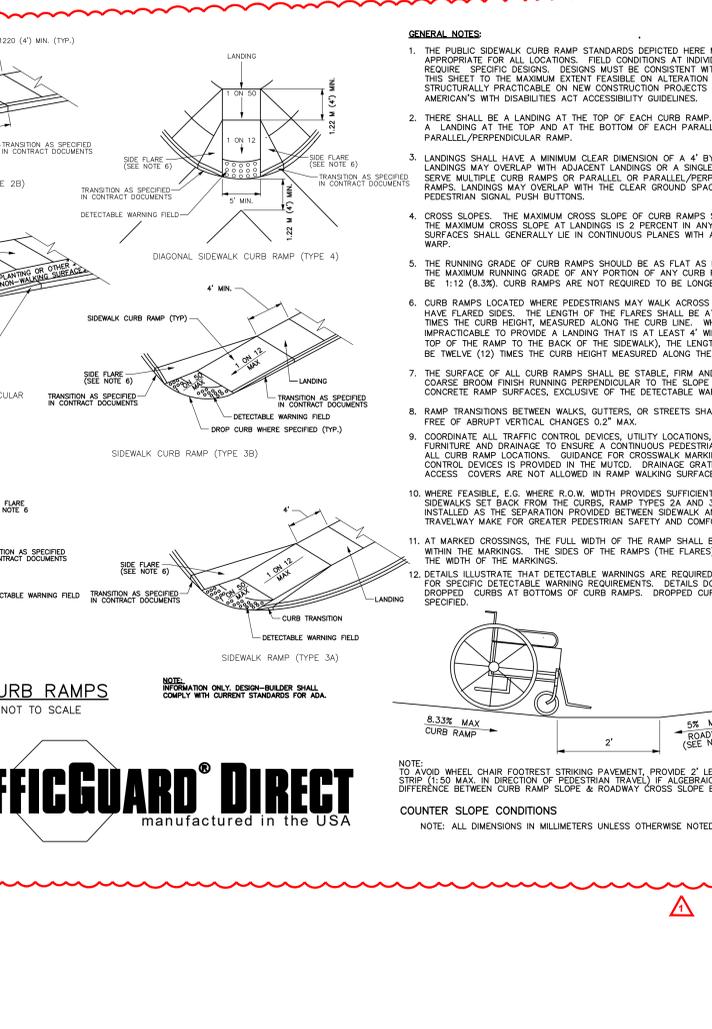
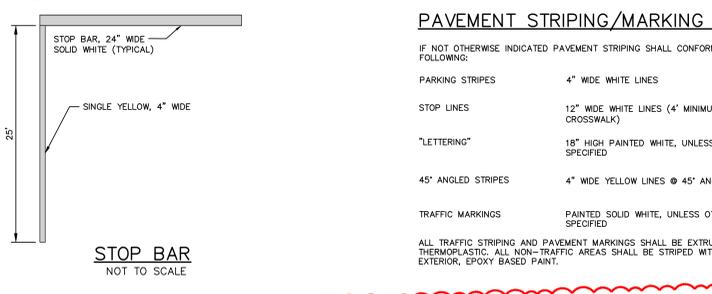
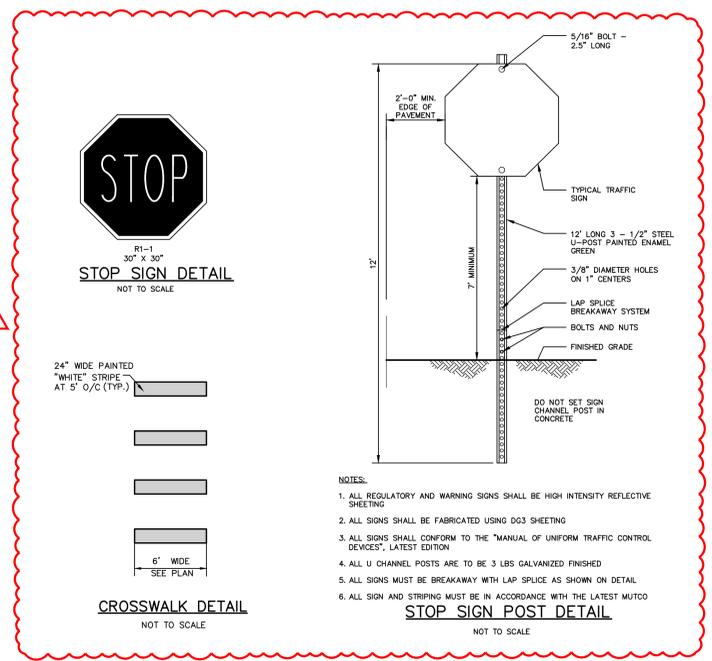
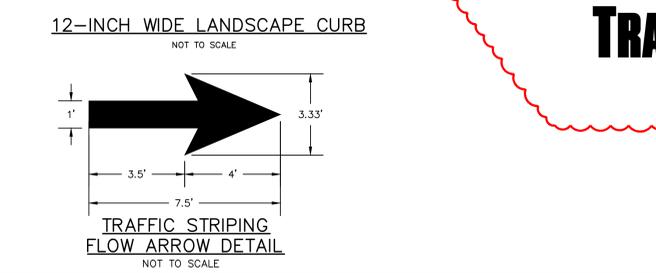
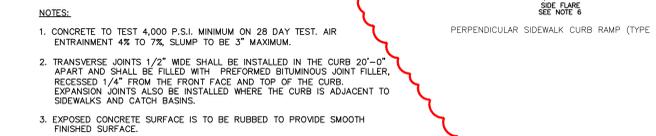
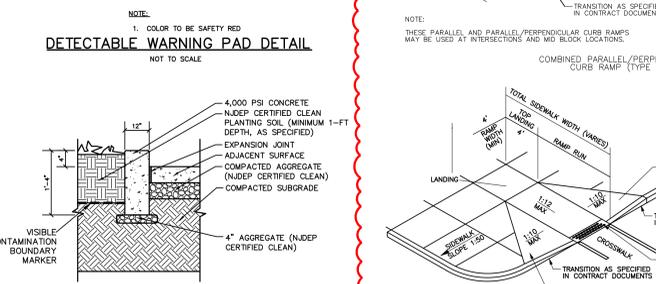
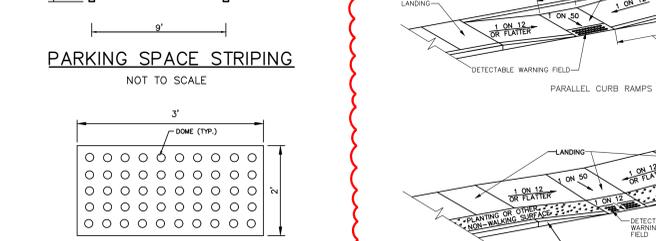
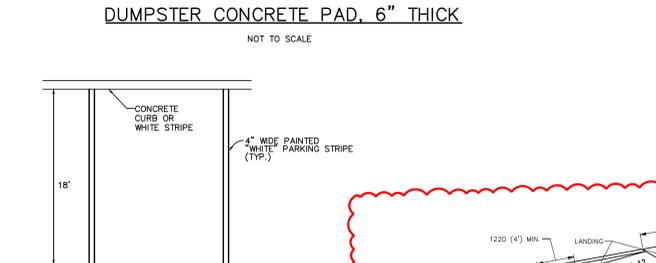
**LIGHTING NOTES AND DETAILS**

Sheet No:

**LL501**

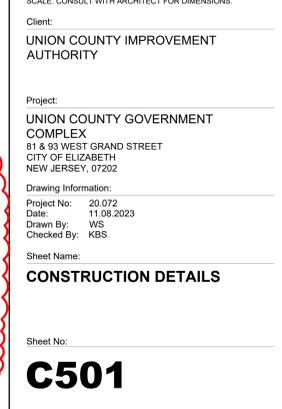


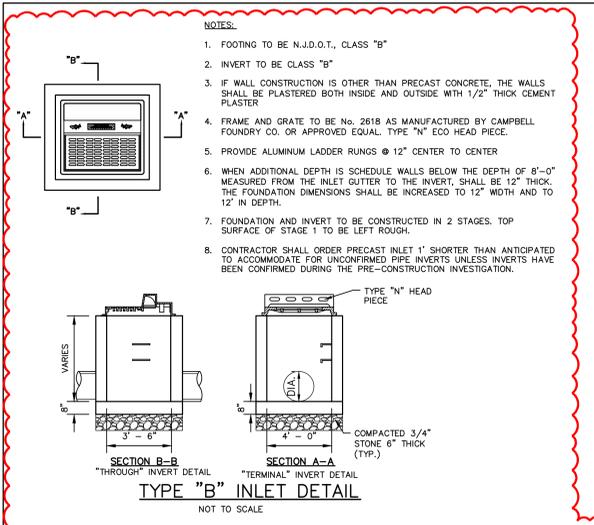
- NOTES:  
1. PROVIDE EXPANSION JOINTS AT 20' - 0" MAXIMUM OR WHEREVER HARDCAPE PAVEMENT CHANGES  
2. ALL PAVEMENT TO HAVE BROOM FINISH WITH TOOLED EDGE  
3. MINIMUM 6" CLEAN STONE (DGA) UNDER CONCRETE SLAB



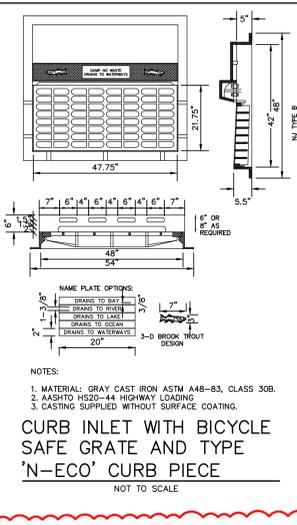
12/11/23 Addendum 1  
11/16/23 For Public Bid

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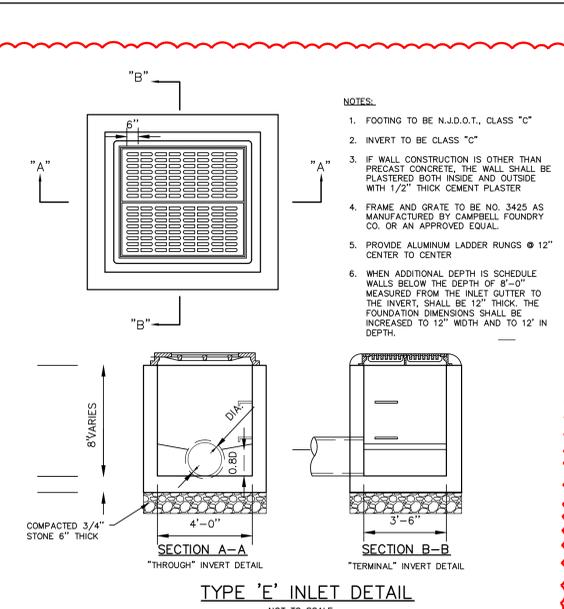




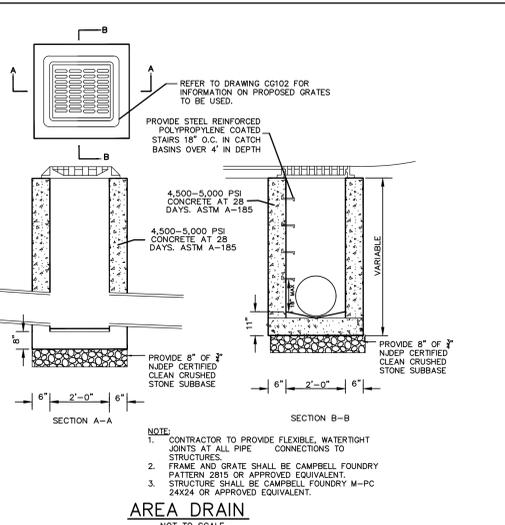
- NOTES:**
- FOOTING TO BE N.J.D.O.T., CLASS "B"
  - INVERT TO BE CLASS "B"
  - IF WALL CONSTRUCTION IS OTHER THAN PRECAST CONCRETE, THE WALLS SHALL BE PLASTERED BOTH INSIDE AND OUTSIDE WITH 1/2" THICK CEMENT PLASTER
  - FRAME AND GRATE TO BE NO. 2618 AS MANUFACTURED BY CAMPBELL FOUNDRY CO. OR APPROVED EQUAL TYPE "N" ECO HEAD PIECE
  - PROVIDE ALUMINUM LADDER RUNGS @ 12" CENTER TO CENTER
  - WHEN ADDITIONAL DEPTH IS SCHEDULE WALLS BELOW THE DEPTH OF 8'-0" MEASURED FROM THE INLET GUTTER TO THE INVERT, SHALL BE 12" THICK. THE FOUNDATION DIMENSIONS SHALL BE INCREASED TO 12" WIDTH AND TO 12" IN DEPTH.
  - FOUNDATION AND INVERT TO BE CONSTRUCTED IN 2 STAGES. TOP SURFACE OF STAGE 1 TO BE LEFT ROUGH.
  - CONTRACTOR SHALL ORDER PRECAST INLET 1' SHORTER THAN ANTICIPATED TO ACCOMMODATE UNCONFIRMED PIPE INVERTS UNLESS INVERTS HAVE BEEN CONFIRMED DURING THE PRE-CONSTRUCTION INVESTIGATION.



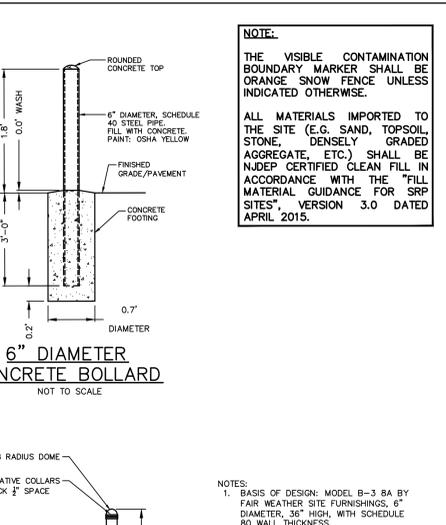
- NOTES:**
- MATERIAL: GRAY CAST IRON ASTM A48-B3, CLASS 30B.
  - AASHTO HS20-44 HIGHWAY LOADING
  - CASTING SUPPLIED WITHOUT SURFACE COATING.



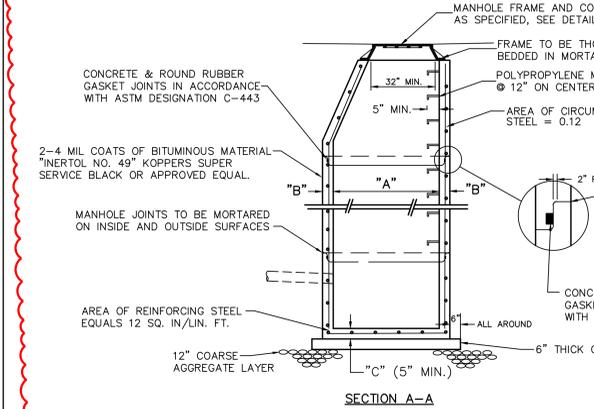
- NOTES:**
- FOOTING TO BE N.J.D.O.T., CLASS "C"
  - INVERT TO BE CLASS "C"
  - IF WALL CONSTRUCTION IS OTHER THAN PRECAST CONCRETE, THE WALL SHALL BE PLASTERED BOTH INSIDE AND OUTSIDE WITH 1/2" THICK CEMENT PLASTER
  - FRAME AND GRATE TO BE NO. 3425 AS MANUFACTURED BY CAMPBELL FOUNDRY CO. OR AN APPROVED EQUAL
  - PROVIDE ALUMINUM LADDER RUNGS @ 12" CENTER TO CENTER
  - WHEN ADDITIONAL DEPTH IS SCHEDULE WALLS BELOW THE DEPTH OF 8'-0" MEASURED FROM THE INLET GUTTER TO THE INVERT, SHALL BE 12" THICK. THE FOUNDATION DIMENSIONS SHALL BE INCREASED TO 12" WIDTH AND TO 12" IN DEPTH.



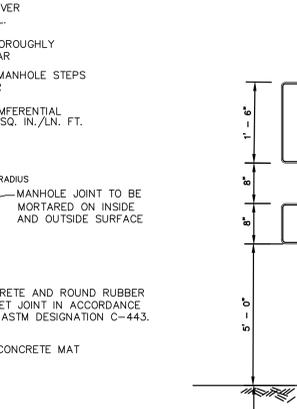
- NOTE:**
- CONTRACTOR TO PROVIDE FLEXIBLE, WATER TIGHT JOINTS AT ALL PIPE CONNECTIONS TO STRUCTURES
  - FRAME AND GRATE SHALL BE CAMPBELL FOUNDRY PATTERN 2615 OR APPROVED EQUIVALENT
  - STRUCTURE SHALL BE CAMPBELL FOUNDRY M-PC 24X24 OR APPROVED EQUIVALENT



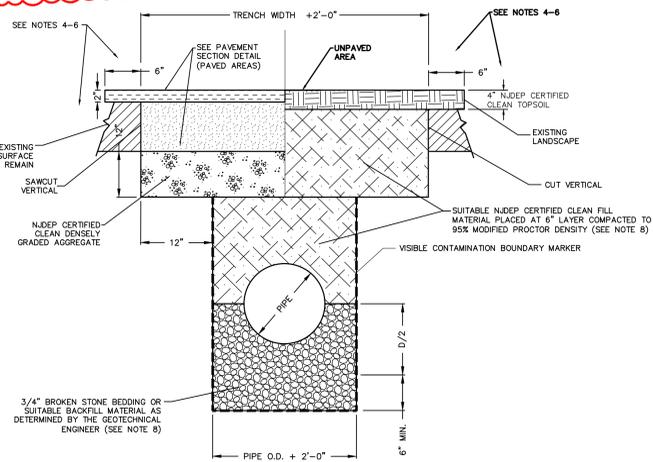
- NOTE:**
- THE VISIBLE CONTAMINATION BOUNDARY MARKER SHALL BE ORANGE SNOW FENCE UNLESS INDICATED OTHERWISE.
- ALL MATERIALS IMPORTED TO THE SITE (E.G. SAND, TOPSOIL, STONE, DENSELY GRADED AGGREGATE, ETC.) SHALL BE NDEP CERTIFIED CLEAN FILL IN ACCORDANCE WITH THE "FILL MATERIAL GUIDANCE FOR SRP SITES" VERSION 3.0 DATED APRIL 2015.



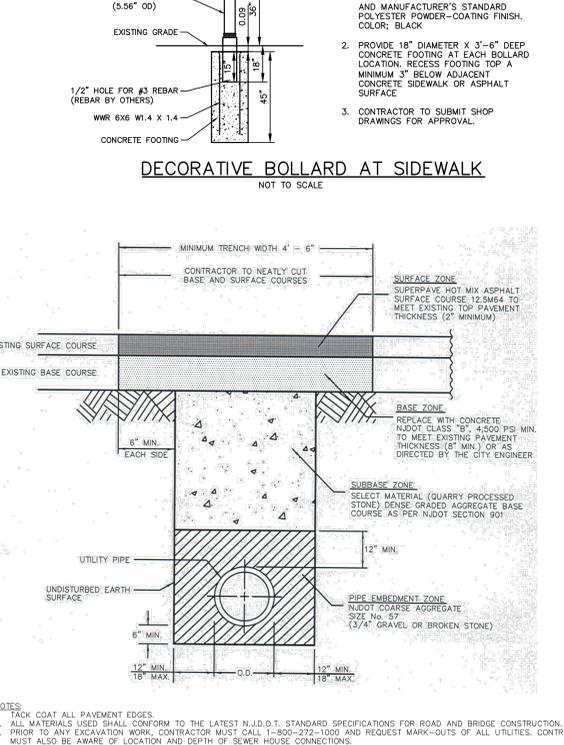
- CONSTRUCTION NOTES:**
- PRECAST MANHOLE SECTIONS TO BE IN ACCORDANCE WITH LATEST ASTM DESIGNATION C-478, MINIMUM COMPRESSIVE STRENGTH TO BE 4000 PSI
  - FLEXIBLE RUBBER BOOT SHALL BE USED FOR CONNECTION OF PVC PIPE TO MANHOLE
  - PRECAST CHANNELS SHALL NOT BE USED FOR BENDS GREATER THAN 45°. ROUNDED CONCRETE LONG RADIUS CHANNELS SHALL BE CONSTRUCTED.
  - WHEN PRECAST CONCRETE MANHOLES ARE USED, BASE AND BARREL SECTION SHALL BE MONOLITHICALLY CAST.



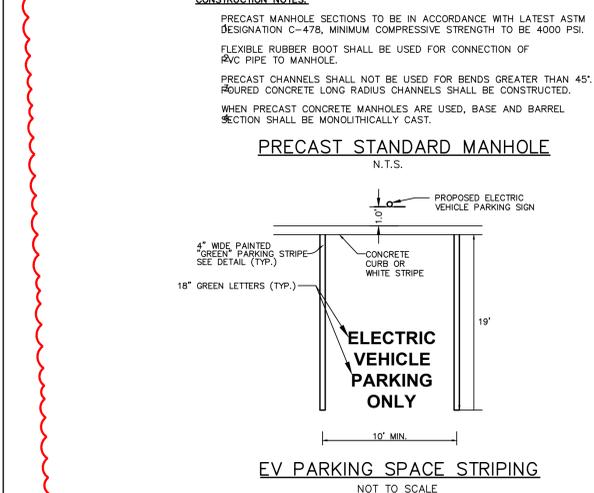
- NOTES:**
- CUSTOM FABRICATED UTILITY PIPE BOLLARD CONSISTING OF LENGTH OF 8" DIA. SCHEDULE 40 STEEL PIPE; PROVIDE AT PARKING LOT AND SERVICE AREA ONLY
  - PROVIDE STEEL PIPES 6'-0" LONG OVERALL, WITH TWO 3/4" DIA. HOLES DRILLED 6" UP FROM THE BOTTOM TO ACCEPT A 1/2" LONG STEEL DOWEL PIN WELDED TO PIPE WALLS
  - DO NOT CONCRETE SURFACE ABOVE THE TOP OF THE PIPE, FINISH NEATLY TO PREVENT WATER INFILTRATION
  - CONTRACTOR MUST PROVIDE SQUARE AND UNIFORM PAVEMENT CUT PRIOR TO PAVEMENT REPLACEMENT
  - REMOVE: 6" WIDTH AND 2" THICK TOP SURFACE LAYER BEYOND TRENCH WIDTH
  - CONSTRUCT: TACK COAT ALONG VERTICAL AND HORIZONTAL SURFACES
  - CONSTRUCT: BITUMINOUS CONCRETE SURFACE COURSE AND ROLL IT PROPERLY
  - BACKFILL: BACKFILL BENEATH PAVEMENT SHALL BE DENSE, GRADED AGGREGATE
  - SUITABLE FILL MATERIAL SHALL BE USED TO BACKFILL THE UTILITY TRENCH EXCAVATION, SUITABLE FILL MATERIAL SHALL CONSIST OF IMPORTED SAND AND GRAVEL MIXTURE HAVING A MAXIMUM PARTICLE SIZE OF 4 INCHES. ALL IMPORTED FILL MATERIAL MUST MEET THE DEFINITION OF CLEAN FILL DESCRIBED IN NDEP'S "FILL MATERIAL GUIDANCE FOR SRP SITES" VERSION 3.0 DATED APRIL 2015
  - IF EXISTING ORGANIC OR OTHER SOFT SOILS ARE ENCOUNTERED AT DEPTH OR IF GROUNDWATER MAKES THE SOIL AT THE INVERT SOFT AND UNSTABLE, THE EXCAVATION SHALL BE DEEPENED A MINIMUM OF 12" AND BACKFILL TO INVERT ELEVATION USING APPROVED SAND OR CRUSHED STONE AS DIRECTED BY ENGINEER TRENCHING AND SHORING IF NECESSARY SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT OSHA STANDARDS
  - SUITABLE FILL MATERIAL AS APPROVED BY ENGINEER
  - BACKFILL AND COMPACT IN 6" LIFTS



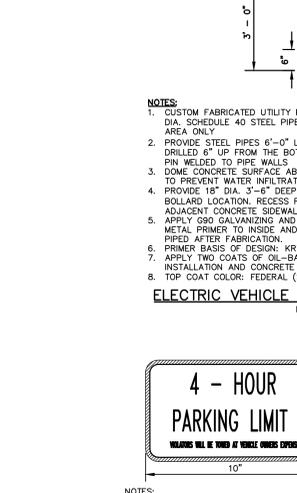
- NOTES:**
- SUBBASE SHALL BE FIRM AND APPROVED BY THE ENGINEER OR HIS REPRESENTATIVE PRIOR TO POURING
  - ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO LATEST NDEP STANDARDS, SPECIFICATIONS AND INSPECTIONS
  - CONTRACTOR MUST PROVIDE SQUARE AND UNIFORM PAVEMENT CUT PRIOR TO PAVEMENT REPLACEMENT
  - REMOVE: 6" WIDTH AND 2" THICK TOP SURFACE LAYER BEYOND TRENCH WIDTH
  - CONSTRUCT: TACK COAT ALONG VERTICAL AND HORIZONTAL SURFACES
  - CONSTRUCT: BITUMINOUS CONCRETE SURFACE COURSE AND ROLL IT PROPERLY
  - BACKFILL: BACKFILL BENEATH PAVEMENT SHALL BE DENSE, GRADED AGGREGATE
  - SUITABLE FILL MATERIAL SHALL BE USED TO BACKFILL THE UTILITY TRENCH EXCAVATION, SUITABLE FILL MATERIAL SHALL CONSIST OF IMPORTED SAND AND GRAVEL MIXTURE HAVING A MAXIMUM PARTICLE SIZE OF 4 INCHES. ALL IMPORTED FILL MATERIAL MUST MEET THE DEFINITION OF CLEAN FILL DESCRIBED IN NDEP'S "FILL MATERIAL GUIDANCE FOR SRP SITES" VERSION 3.0 DATED APRIL 2015
  - IF EXISTING ORGANIC OR OTHER SOFT SOILS ARE ENCOUNTERED AT DEPTH OR IF GROUNDWATER MAKES THE SOIL AT THE INVERT SOFT AND UNSTABLE, THE EXCAVATION SHALL BE DEEPENED A MINIMUM OF 12" AND BACKFILL TO INVERT ELEVATION USING APPROVED SAND OR CRUSHED STONE AS DIRECTED BY ENGINEER TRENCHING AND SHORING IF NECESSARY SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT OSHA STANDARDS
  - SUITABLE FILL MATERIAL AS APPROVED BY ENGINEER
  - BACKFILL AND COMPACT IN 6" LIFTS



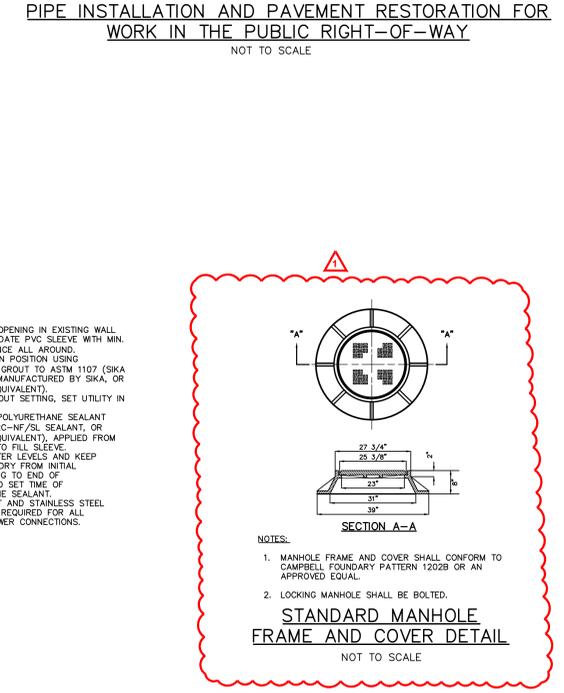
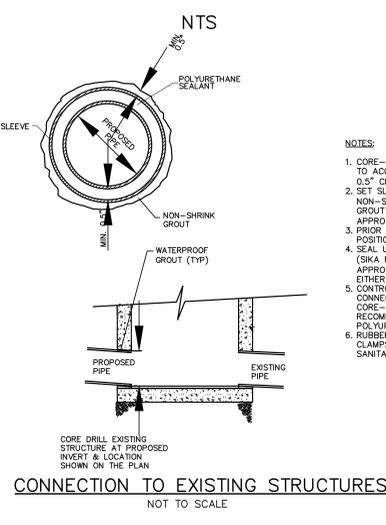
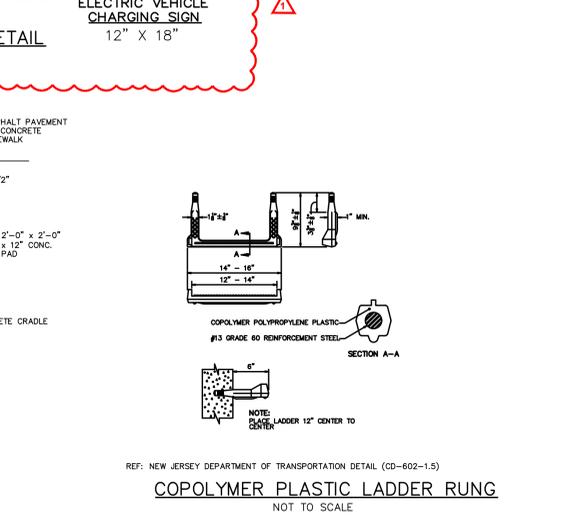
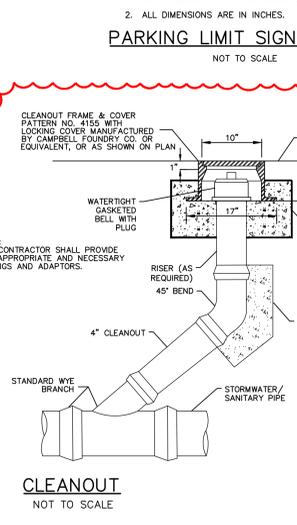
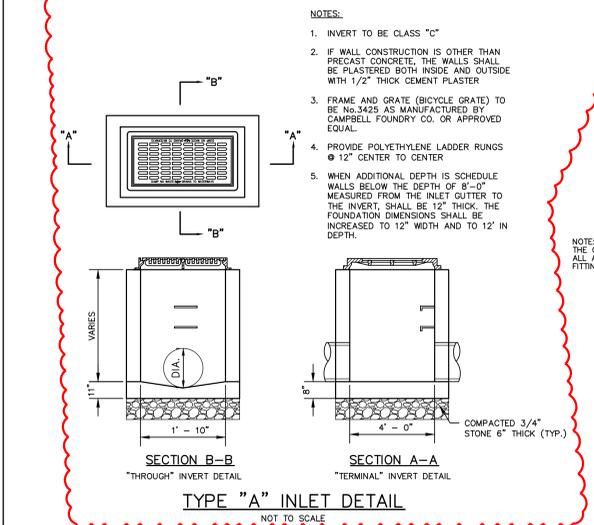
- NOTES:**
- BASIS OF DESIGN: MODEL B-3 8A BY FAIR WEATHER SITE FURNISHINGS, 6" DIAMETER, 36" HIGH, WITH SCHEDULE 80 WALL THICKNESS, CORROSION-RESISTANT UNDERCOATING AND MANUFACTURER'S STANDARD POLYESTER POWDER-COATING FINISH, COLOR: BLACK
  - PROVIDE 18" DIAMETER X 3'-6" DEEP CONCRETE FOOTING AT EACH BOLLARD LOCATION, RECESS FOOTING TOP A MINIMUM 3" BELOW ADJACENT CONCRETE SIDEWALK OR ASPHALT SURFACE
  - CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL



- NOTES:**
- INVERT TO BE CLASS "C"
  - IF WALL CONSTRUCTION IS OTHER THAN PRECAST CONCRETE, THE WALLS SHALL BE PLASTERED BOTH INSIDE AND OUTSIDE WITH 1/2" THICK CEMENT PLASTER
  - FRAME AND GRATE (BICYCLE GRATE) TO BE NO. 3425 AS MANUFACTURED BY CAMPBELL FOUNDRY CO. OR APPROVED EQUAL
  - PROVIDE POLYETHYLENE LADDER RUNGS @ 12" CENTER TO CENTER
  - WHEN ADDITIONAL DEPTH IS SCHEDULE WALLS BELOW THE DEPTH OF 8'-0" MEASURED FROM THE INLET GUTTER TO THE INVERT, SHALL BE 12" THICK. THE FOUNDATION DIMENSIONS SHALL BE INCREASED TO 12" WIDTH AND TO 12" IN DEPTH.



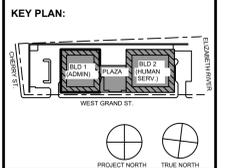
- NOTES:**
- BLACK LEGEND ON WHITE REFLECTORIZED BACKGROUND
  - ALL DIMENSIONS ARE IN INCHES.



- NOTES:**
- MANHOLE FRAME AND COVER SHALL CONFORM TO APPROVED EQUAL
  - LOCKING MANHOLE SHALL BE BOLTED.



**KEITH B. SMITH, PE, PP**  
PROFESSIONAL ENGINEER, NJ LIC NO 33322



STATE PROJECT NO.  
0000-000-00-0000

Rev	Date	Description
1	11/08/23	FOR PUBLIC BID
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Jeffrey D. Venezia, IAIA  
NJ RA AI 00827100

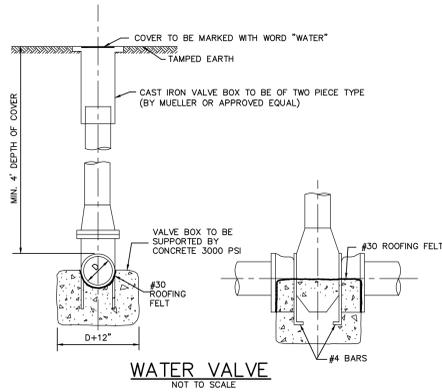
UNION COUNTY IMPROVEMENT AUTHORITY

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

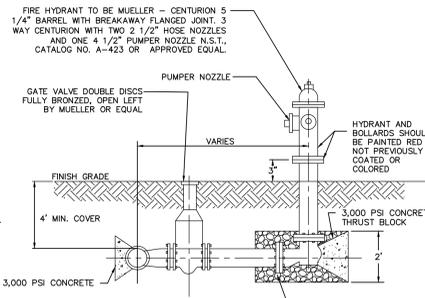
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CONSTRUCTION DETAILS

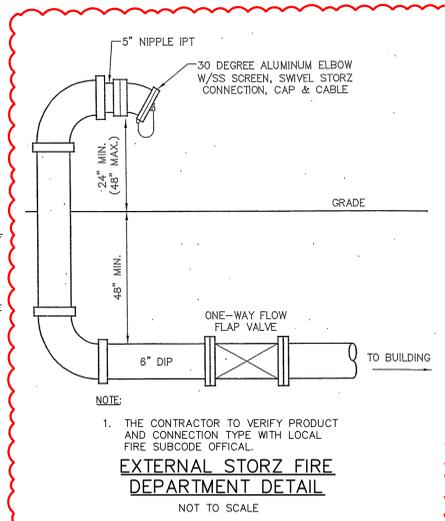
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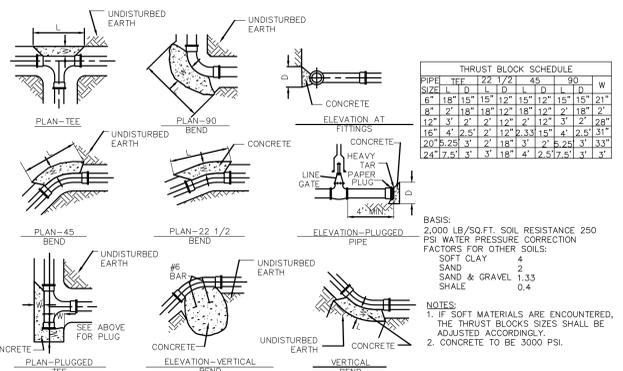
**WATER VALVE**  
NOT TO SCALE



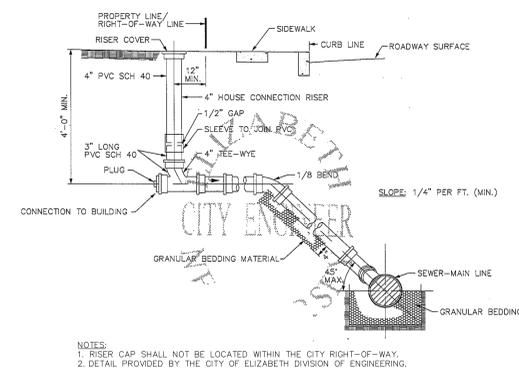
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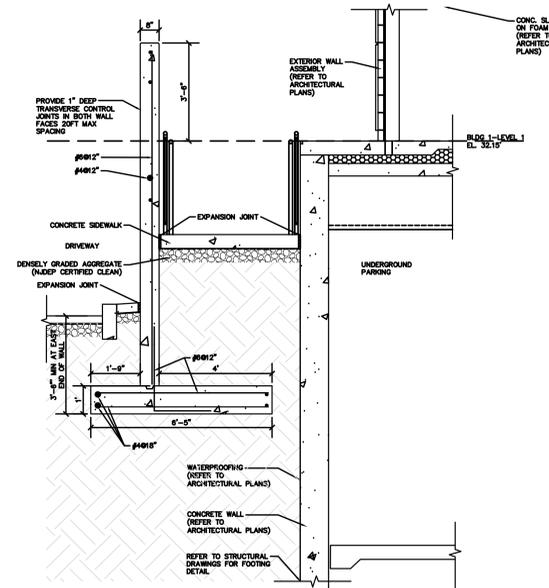
**EXTERNAL STORZ FIRE DEPARTMENT DETAIL**  
NOT TO SCALE



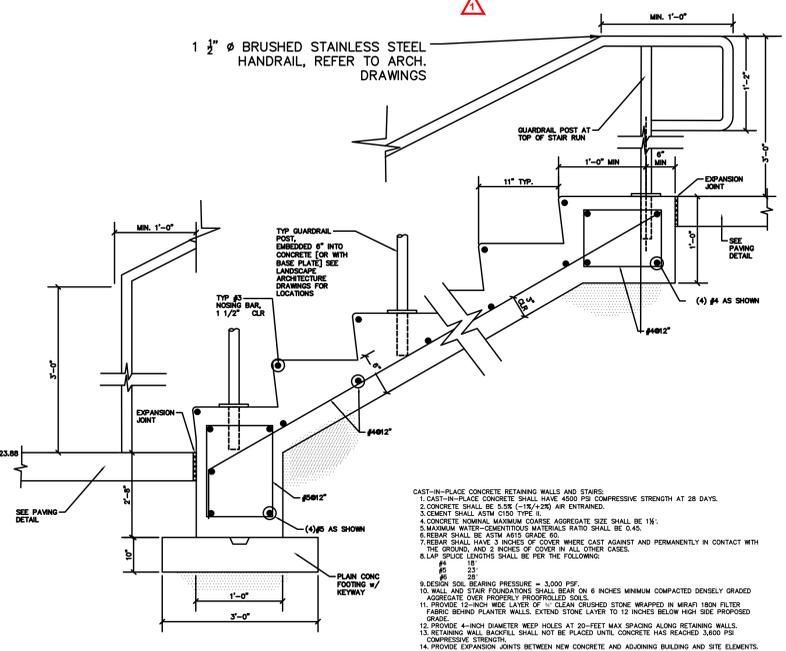
**THRUST BLOCKS**  
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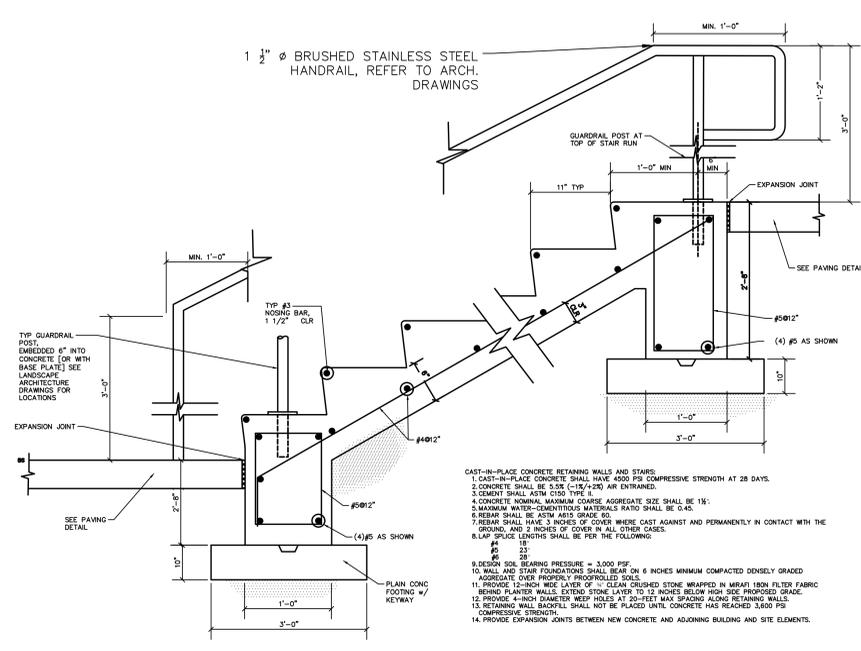
**SANITARY SEWER DIRECT CONNECTION IN PUBLIC RIGHT-OF-WAY**  
NOT TO SCALE



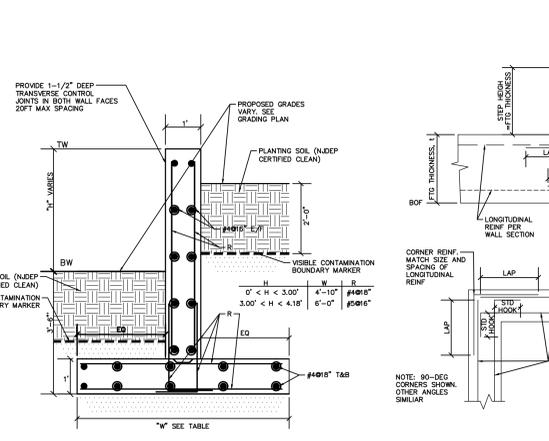
**UNDERGROUND LEVEL WALL SECTION**  
NOT TO SCALE



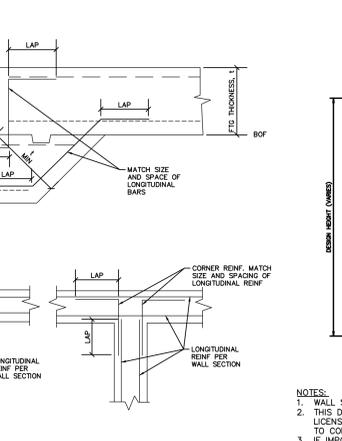
**NORTH STAIR WITH HANDRAIL**  
NOT TO SCALE



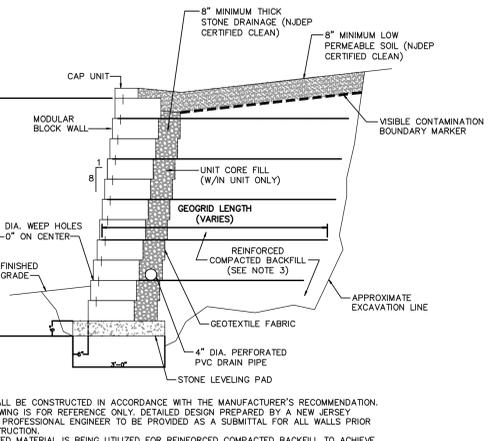
**SOUTH STAIR WITH HANDRAIL**  
NOT TO SCALE



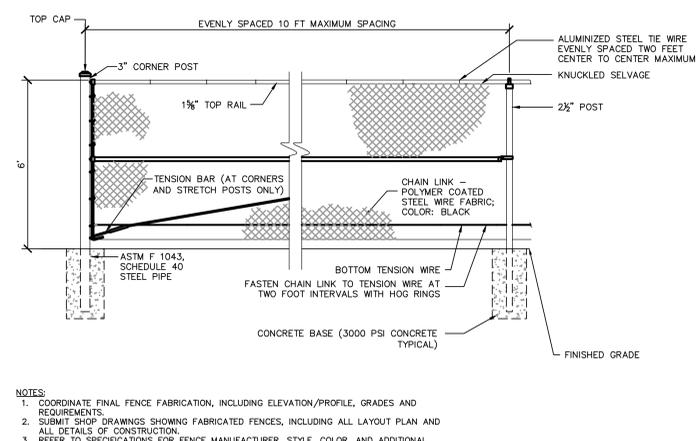
**PLANTER WALL**  
1/2" = 1'-0"



**TYPICAL WALL FOOTING STEP AND WALL REINFORCEMENT AT CORNERS**  
NOT TO SCALE



**MODULAR BLOCK RETAINING WALL**  
NOT TO SCALE

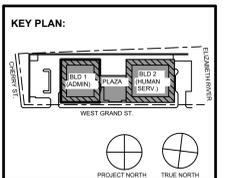


**6'-HIGH CHAIN-LINK FENCE**  
NOT TO SCALE

**NOTE:**  
THE VISIBLE CONTAMINATION BOUNDARY MARKER SHALL BE ORANGE SNOW FENCE UNLESS INDICATED OTHERWISE.  
  
ALL MATERIALS IMPORTED TO THE SITE (E.G. SAND, TOPSOIL, STONE, DENSELY GRADED AGGREGATE, ETC.) SHALL BE NDEP CERTIFIED CLEAN FILL IN ACCORDANCE WITH THE "FILL MATERIAL GUIDANCE FOR SRP SITES", VERSION 3.0 DATED APRIL 2015.



KEITH B. SMITH, PE, PP  
PROFESSIONAL ENGINEER, NJ LIC NO 33322



STATE PROJECT NO. 0000-000-00000

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

Jeffrey D. Venezia, IAIA  
NJ RA AI 00827100

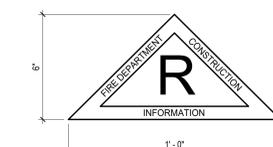
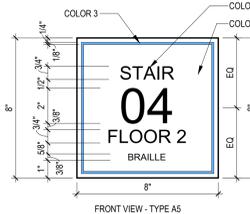
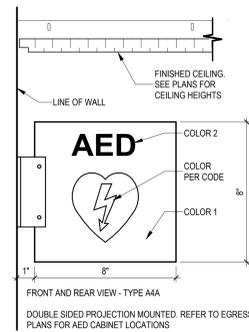
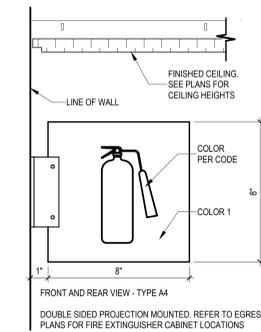
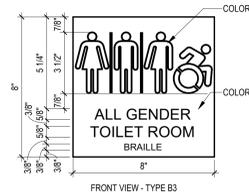
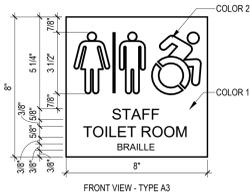
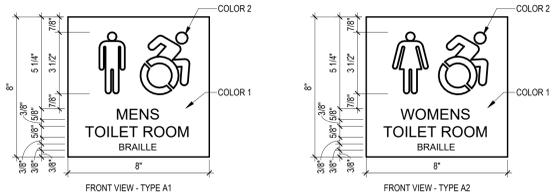
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**UNION COUNTY IMPROVEMENT AUTHORITY**

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

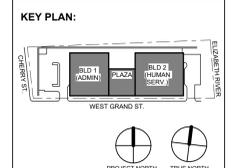
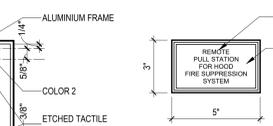
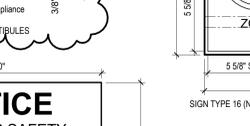
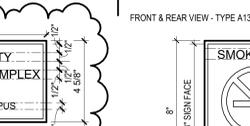
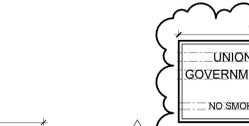
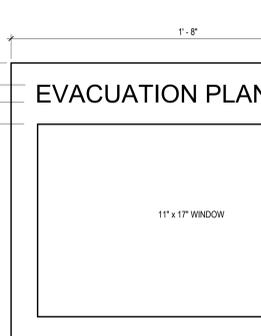
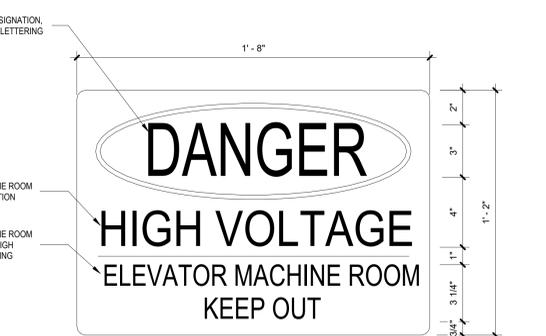
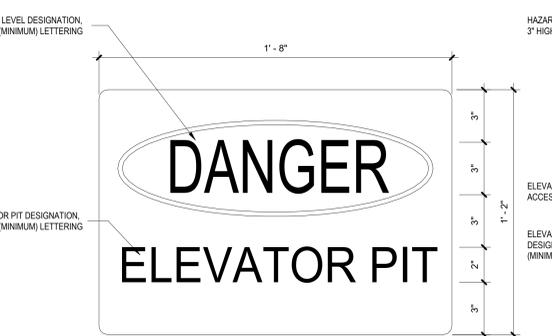
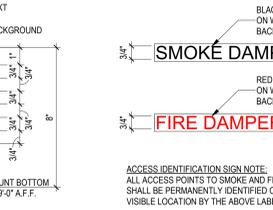
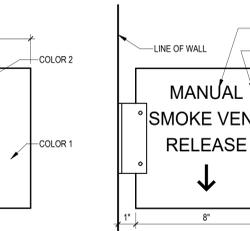
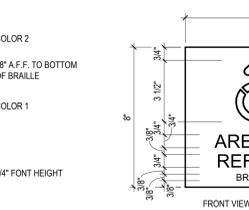
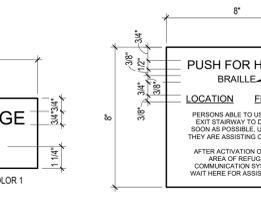
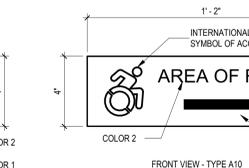
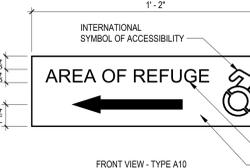
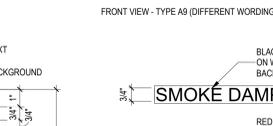
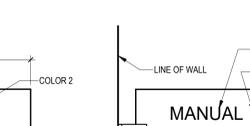
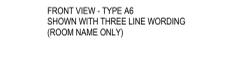
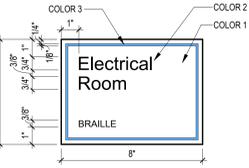
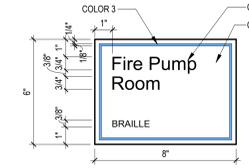
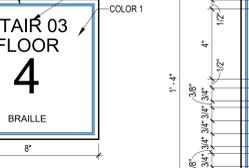
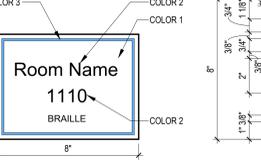
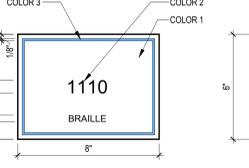
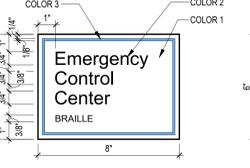
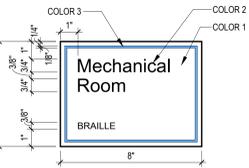
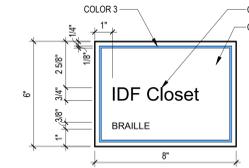
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Project No: 20.072  
Date: 11.08.2023  
Drawn By: WJS  
Checked By: KBS

Sheet Name:  
**CONSTRUCTION DETAILS**

Sheet No:  
**C503**



NOTES  
1. EMBLEM SHALL BE OF A BRIGHT AND REFLECTIVE COLOR OR BE MADE OF A REFLECTIVE MATERIAL.  
2. SIGN TO MOUNTED WITH CONCEALED MECHANICAL FASTENERS.  
3. THE EMBLEM SHALL BE PERMANENTLY AFFIXED ON THE EXTERIOR WALL NEAR THE FOLLOWING DOORS: VESTIBULE, STAIR, AND FIRE PUMP ROOM.  
ALL THESE LOCATIONS HAVE KEY SAFES FOR FIRE DEPARTMENT ACCESS. THE SIGNAGE SHALL BE MOUNTED AT A HEIGHT BETWEEN 4'-0" AND 6'-0" ABOVE GROUND AND SHALL BE MAINTAINED BY THE OWNER.



12.01.2023 Addendum No. 01  
11.08.2023 For Public Bid

No.	Date	Description
1	12.01.2023	Addendum No. 01
2	11.08.2023	For Public Bid

Revisions / Issues

**DiGroupArchitecture**  
ARCHITECTURE FOR CHANGE  
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2450 W Hunting Park Ave • Philadelphia, PA 19122 • T: 215.634.3400  
Jeffrey D. Venezia, AIA  
NJ RA #1 09827100

- INTERIOR SIGNAGE NOTES:**
- ALL NAMES, WORDING, AND TEXT FONTS SHALL BE PROVIDED / APPROVED BY THE OWNER PRIOR TO FABRICATION. TYPICAL FOR ALL TEXT.
  - TOILET GENDER SIGNAGE: COLOR TO MATCH STANDARD AS APPROVED BY THE ARCHITECT.
  - ACCESSIBILITY SYMBOL TO COMPLY WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY. COLOR AS SELECTED BY THE ARCHITECT.
  - ALL RAISED LETTERING FONT, NUMBER & COLOR AS SELECTED BY THE ARCHITECT.
  - BASIS OF DESIGN: FOR SIGNAGE TYPES A1, A2, A3, A4, A10, A11, A12, A13, A14, AND A15 INPRO SIGNSCAPE ARCHITECTURAL SIGNAGE PHOENIX, OR APPROVED EQUAL.
  - BASIS OF DESIGN: FOR SIGNAGE TYPES A5, A6, A7, A8, AND A9. INPRO SIGNSCAPE ARCHITECTURAL SIGNAGE PHOENIX WITH "BORDER", OR APPROVED EQUAL.
  - ALL SIGNAGE TO BE MOUNTED WITH CONCEALED FASTENERS.
  - REFER TO CONSTRUCTION PLANS FOR ROOM NUMBERS.
  - IT IS THE SIGNAGE VENDORS RESPONSIBILITY TO CONFORM TO CODES, ORDINANCES, RULES, AND SIGNAGE REGULATIONS OF ANY FEDERAL, STATE, COUNTY, OR MUNICIPAL AGENCY HAVING JURISDICTION.
  - ARCHITECTS REVIEW OF SHOP DRAWINGS AND SUBMITTALS SHALL BE FOR CONFORMANCE WITH THE DESIGN CONCEPT ONLY. ARCHITECTS REVIEW SHALL NOT BE CONSTRUED AS APPROVING DEPARTURES FROM CONTRACT REQUIREMENTS, NOR SHALL IT BE CONSTRUED AS APPROVING ANY CHANGES IN PRICING.
  - MOUNT ACCESSIBLE SIGN ON LATCH SIDE OF DOOR. WHERE ROOM NUMBER OR NAME IS REQUIRED, MEASURE TO CENTER LINE OF THE UPPERMOST ROW OF CHARACTERS. IF THERE IS NO WALL ON LATCH SIDE, THEN MOUNT SIGN ON NEAREST ADJACENT WALL.
  - INSTALL PER REQUIREMENTS OF CHAPTER 11 OF IBC2018, NJAC 5-23-7, AND ICC/ANSI A117.1.
  - ALL TACTILE CHARACTERS SHALL BE DUPLICATED IN BRAILLE AND SHALL COMPLY WITH ICC/ANSI A117.1, SECTION 703.4.
  - ATTACH SIGNAGE TO SUBSTRATES IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  - PROVIDE AND INSTALL SIGNAGE AT ALL LIFE SAFETY LOCATIONS INCLUDING STAIR TOWER LOCATIONS, ELEVATOR VESTIBULES, AREAS OF REFUGE, AND ANY OTHER AREAS THAT MAY BE REQUIRED BY CODE. IN ADDITION, PROVIDE "EVACUATION FLOOR PLAN" TYPE SIGNAGE AT ALL FLOORS.

- DIRECTORY SIGNAGE NOTES:**
- ALL NAMES, WORDING, AND TEXT FONTS SHALL BE PROVIDED / APPROVED BY THE OWNER PRIOR TO FABRICATION. TYPICAL FOR ALL TEXT.
  - BASIS OF DESIGN: INPRO SIGNSCAPE ARCHITECTURAL SIGNAGE PHOENIX DIRECTORIES - DIGITAL PRINT, OR APPROVED EQUAL.
  - PROVIDE (1) ONE DIRECTORY AT EACH ELEVATOR ON EVERY FLOOR, AND AT THE MAIN ENTRANCE OF EACH BUILDING.
  - SIZE OF DIRECTORY SIGN SHALL BE 18" WIDE X 24" TALL. THE ARCHITECT WILL PROVIDE CAD DRAWINGS FOR SIGNAGE MANUFACTURER / VENDOR'S USE TO CREATE FLOOR PLANS OF EACH SECTION ON EACH FLOOR.
  - SECURE METHOD MUST BE VANDAL PROOF.
- EVACUATION PLAN NOTES:**
- ALL NAMES, WORDING, AND TEXT FONTS SHALL BE PROVIDED / APPROVED BY THE OWNER PRIOR TO FABRICATION. TYPICAL FOR ALL TEXT.
  - BASIS OF DESIGN: INPRO SIGNSCAPE ARCHITECTURAL SIGNAGE PHOENIX INFORMATION WINDOW SIGN FOR TABLOID SIZE INSERT, OR APPROVED EQUAL.
  - DISPLAY (1) ONE EVACUATION PLAN ON WALL ADJACENT TO EACH ELEVATOR, AND AREAS AS INDICATED BY THE FIRE MARSHAL.
  - THE SIGNAGE VENDOR SHALL PROVIDE EVACUATION ROUTES PLANS. REFER TO THE EGRESS PLANS FOR EVACUATION ROUTES. THE ARCHITECT WILL PROVIDE CAD DRAWINGS FOR SIGNAGE MANUFACTURER / VENDOR'S USE UPON REQUEST.
- EXTERIOR KEY SAFES:**
- BASIS OF DESIGN: KNOX BOX 3200 SERIES (RECESSED WALL MOUNT), ALUMINUM COLOR, SIZE 4" HIGH X 5" WIDE X 3" DEEP.
  - MOUNT NEAR THE FOLLOWING EXTERIOR DOORS: VESTIBULE 1101, VESTIBULE 2001, AND FIRE PUMP & DOMESTIC ROOM 2002.
  - REFER TO CIVIL DRAWINGS FOR POST MOUNTED KEY SAFES NEAR VEHICULAR GATES / ENTRANCES.

**THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL THE FOLLOWING ITEMS PER COMPLIANCE WITH THE 2018 INTERNATIONAL BUILDING CODE REQUIREMENTS, 2017 NATIONAL ELECTRICAL CODE, AND NFPA 72 REQUIREMENTS. COORDINATE WITH ELECTRICAL DRAWINGS**

**909.20.5 - SMOKE CONTROL SYSTEMS, STAIRWAY AND RAMP PRESSURIZATION ALTERNATIVE (BLDG 1 & BLDG 2):**  
WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1, THE VESTIBULE IS NOT REQUIRED, PROVIDED THAT EACH INTERIOR EXIT STAIRWAY OR RAMP IS PRESSURIZED TO NOT LESS THAN 0.10 INCH OF WATER (25 PA) AND NOT MORE THAN 0.35 INCHES OF WATER (87 PA) IN THE SHAFT RELATIVE TO THE BUILDING MEASURED WITH ALL INTERIOR EXIT STAIRWAY AND RAMP DOORS CLOSED UNDER MAXIMUM ANTICIPATED CONDITIONS OF STACK EFFECT AND WIND EFFECT.

**911.1.6 - FIRE COMMAND CENTER (BLDG 2 ROOM 2000):**  
WHERE REQUIRED BY OTHER SECTIONS OF THIS CODE AND IN BUILDINGS CLASSIFIED AS HIGH-RISE BUILDINGS BY THIS CODE, A FIRE COMMAND CENTER FOR FIRE DEPARTMENT OPERATIONS SHALL BE PROVIDED AND SHALL COMPLY WITH SECTIONS 911.1.1 THROUGH 911.1.6.

**1009.6.5 TWO-WAY COMMUNICATION:**  
AREAS OF REFUGE SHALL BE PROVIDED WITH A TWO-WAY COMMUNICATION SYSTEMS COMPLYING WITH 1009.6.1 AND 1009.6.2.

**1009.8.1 SYSTEM REQUIREMENTS:**  
TWO-WAY COMMUNICATION SYSTEM SHALL PROVIDE COMMUNICATION BETWEEN EACH REQUIRED LOCATION AND A CENTRAL CONTROL POINT LOCATION APPROVED BY THE FIRE DEPARTMENT. WHERE THE CENTRAL CONTROL POINT IS NOT CONSTANTLY ATTENDED, A TWO-WAY COMMUNICATION SYSTEM SHALL HAVE A TIMED AUTOMATIC TELEPHONE DIAL-OUT CAPABILITY TO A MONITORING LOCATION OR 911. THE TWO-WAY COMMUNICATION SHALL INCLUDE BOTH AUDIBLE AND VISIBLE SIGNALS.

**1009.8.2 DIRECTIONS:**  
DIRECTIONS FOR THE USE OF THE TWO-WAY COMMUNICATION SYSTEM, INSTRUCTION FOR SUMMONING ASSISTANCE VIA THE TWO-WAY COMMUNICATION SYSTEM AND WRITTEN IDENTIFICATION OF THE LOCATION SHALL BE POSTED ADJACENT TO THE TWO-WAY COMMUNICATION SYSTEM.

**1009.9 SIGNAGE:**  
EACH DOOR PROVIDING ACCESS TO AN AREA OF REFUGE FROM AN ADJACENT FLOOR AREA SHALL BE IDENTIFIED BY A SIGN STATING: "AREA OF REFUGE".

SIGNAGE SHALL COMPLY WITH THE ICC A117.1 REQUIREMENTS FOR VISUAL CHARACTERS AND INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. WHERE EXIT SIGN ILLUMINATION IS REQUIRED BY SECTION 1013.3, THE SIGN SHALL BE ILLUMINATED. ADDITIONALLY, VISUAL CHARACTERS, RAISED CHARACTER AND BRAILLE SIGNAGE COMPLYING WITH ICC A117.1 SHALL BE LOCATED AT EACH DOOR TO AN AREA OF REFUGE AND EXTERIOR AREA FOR ASSISTED RESCUE IN ACCORDANCE WITH SECTION 1013.4.

**THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL THE FOLLOWING ITEMS PER COMPLIANCE WITH THE 2018 INTERNATIONAL BUILDING CODE REQUIREMENTS, 2017 NATIONAL ELECTRICAL CODE, AND NFPA 72 REQUIREMENTS. COORDINATE WITH ELECTRICAL DRAWINGS**

**907.5.2.2 - EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM**  
EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS REQUIRED BY THIS CODE SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 72. THE OPERATION OF ANY AUTOMATIC FIRE DETECTOR, SPRINKLER WATERFLOW DEVICE, OR MANUAL FIRE ALARM BOX SHALL AUTOMATICALLY SOUND AN ALERT TONE FOLLOWED BY VOICE INSTRUCTIONS GIVING APPROVED INFORMATION AND DIRECTIONS FOR A GENERAL OR STAGED EVACUATION IN ACCORDANCE WITH THE BUILDING'S FIRE SAFETY AND EVACUATION PLANS REQUIRED BY SECTION 904 OF THE INTERNATIONAL FIRE CODE. IN A HIGH-RISE BUILDING, THE SYSTEM SHALL OPERATE ON AT LEAST THE ALARMING FLOOR, THE FLOOR ABOVE AND THE FLOOR BELOW. SPEAKERS SHALL BE PROVIDED THROUGHOUT THE BUILDING BY PAGING ZONES. AT A MINIMUM, PAGING ZONES SHALL BE PROVIDED AS FOLLOWS:

- AT ELEVATOR GROUPS
- AT ALL EXIT STAIRWAYS
- AT EACH FLOOR
- AT ALL AREAS OF REFUGE

**907.5.2.2.1 MANUAL OVERRIDE**  
A MANUAL OVERRIDE FOR EMERGENCY VOICE COMMUNICATION SHALL BE PROVIDED ON A SELECTIVE AND ALL-CALL BASIS FOR ALL PAGING ZONES.

**1 SIGNAGE DETAILS**  
SCALE: 3" = 1'-0"

**SIGNAGE DETAILS AND NOTES**

Sheet No:  
**G-015**

GENERAL NOTES:

- A. SEE DRAWINGS A-538 AND A-539 FOR ALL OUTDOOR PLAZA DETAILS
- B. SEE CS-300 SERIES DRAWINGS FOR ALL SLAB EDGE PLANS
- C. SEE CS-315 FOR WATERPROOFING PLANS
- D. SEE SPECIFICATIONS SECTIONS 07323 FOR CONCRETE PAVER SYSTEM
- E. PROVIDE 'STYROFOAM HIGHLOAD' EXTRUDED POLYSTYRENE (XPS) FOAM INSULATION WITH A COMPRESSIVE STRENGTH OF 40 PSI AT GENERAL CONCRETE FLOOR SLAB INFILL. SEE SPECIFICATION SECTION 07100 THERMAL INSULATION
- F. PROVIDE 'STYROFOAM PLAZAMATE' EXTRUDED POLYSTYRENE (XPS) FOAM INSULATION WITH A COMPRESSIVE STRENGTH OF 60 PSI AT GARAGE AREA CONCRETE FLOOR SLAB INFILL AND FOR INSTALLATION ABOVE WATERPROOFING MEMBRANE AT OUTDOOR PLAZA DECK. SEE SPECIFICATION SECTION 07211 THERMAL INSULATION

OUTDOOR FURNITURE NOTES:

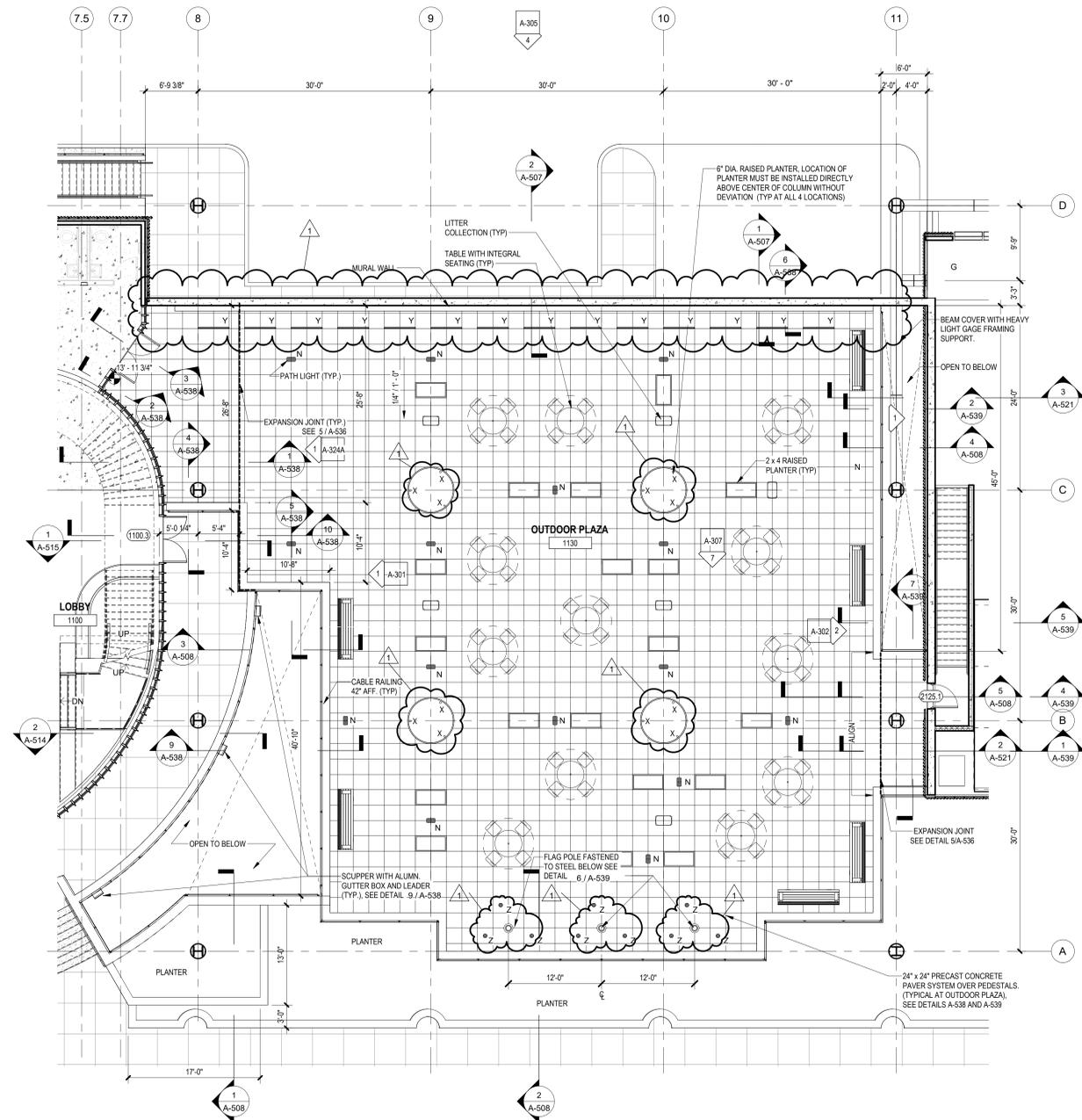
- BASIS OF DESIGN NOTES:
- OUTDOOR FURNISHINGS BY LANDSCAPEFORMS
- TABLES WITH INTEGRAL SEATING: 42" CAROUSEL DINING BACKED - TYPICAL OF (12)
  - UMBRELLA: 79" X 79" SHADE - TYPICAL OF (12) (1 @ EA. TABLE)
  - BENCHES: 24" X 95" 33" STAY BACKED WITH ARMS TYPICAL OF (6)
  - LITTER COLLECTION: "MULTIPLICITY" DOUBLE EMBED - TYPICAL OF (6)
  - PATH LIGHT: "MULTIPLICITY" PATH LIGHT - TYPICAL OF (16)
- OUTDOOR FURNISHINGS BY BISON INNOVATIVE PRODUCTS PLANTERS: 24" X 48" "TIE WOOD CUBE" - TYPICAL OF (21)

FLOOR PLAN LEGEND

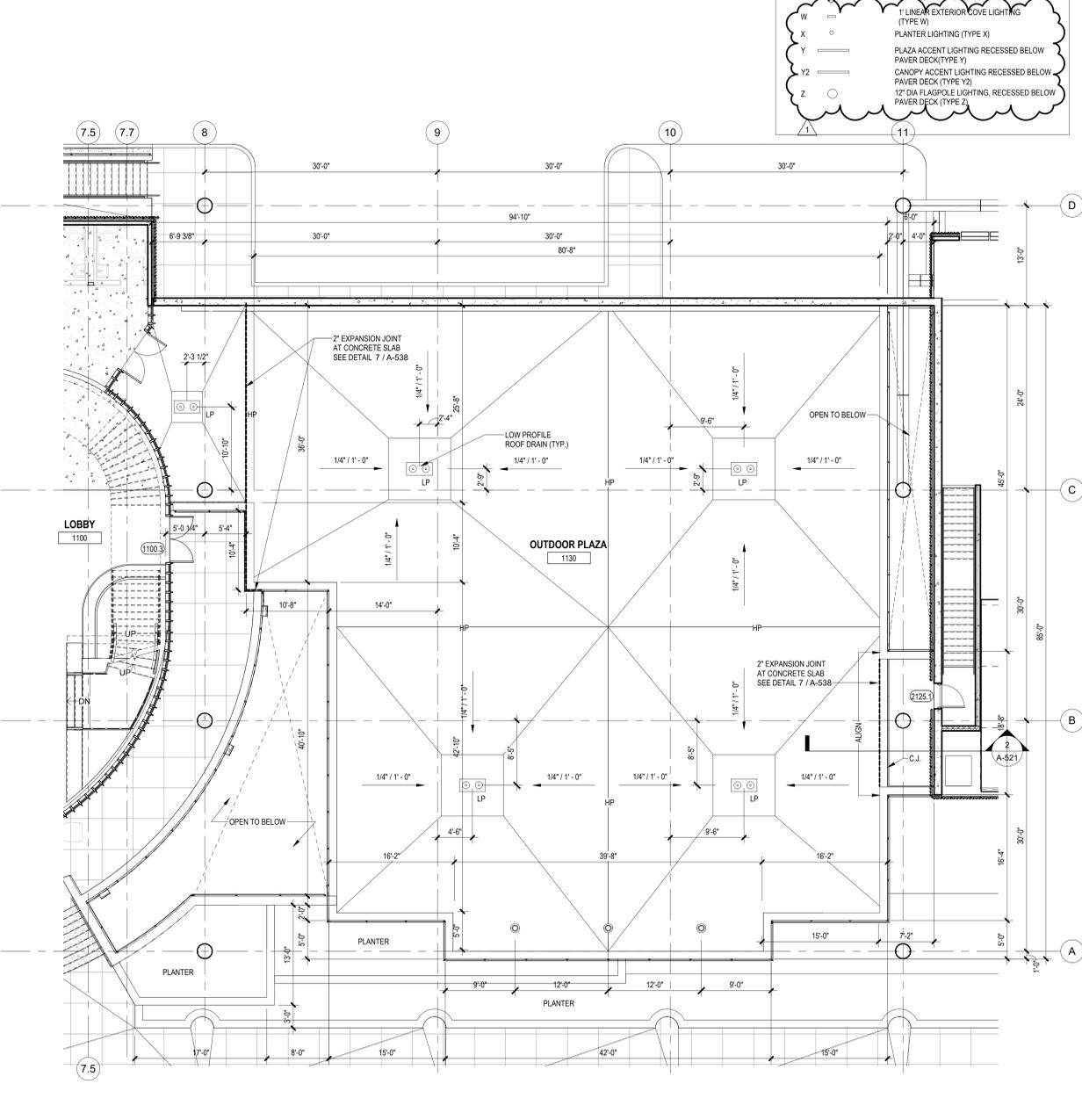
- STUD CONSTRUCTION
- MASONRY CONSTRUCTION
- POURED CONCRETE
- EXPANSION JOINT
- ENLARGED PLAN / DETAIL REFERENCE
- SPOT ELEVATION
- PARTITION TAG
- WALL SECTION
- BUILDING ELEVATION
- KEYNOTES
- DOOR & TAG

RCP LEGEND

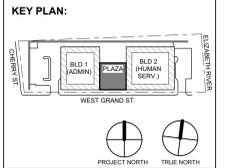
- Room name - ROOM NAME
- 101 VARIES - CEILING HEIGHT
- APC-1 - CEILING TYPE
- 10'-0" - CEILING HEIGHT
- GYPSUM BOARD CEILING
- 2' BY 2' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
- 4' BY 4' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
- HVAC - RETURN
- HVAC - SUPPLY
- 4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
- 4'-0" SURFACE MOUNTED LINEAR LIGHT FIXTURE (TYPE M) - MOUNTING HEIGHT: 8'-0" A.F.F. TO BOTTOM OF FIXTURE (M)
- 16" X 16" SURFACE MOUNTED CEILING LIGHT FIXTURE (TYPE PL)
- 6" X 6" SURFACE MOUNTED CYLINDER LIGHT (TYPE PL-C)
- EXTERIOR RATED, BUILDING MOUNTED WALLPACK FIXTURE (TYPE R)
- FA CEILING MOUNTED SPEAKER & STROBE
- FA CEILING MOUNTED STROBE
- SMOKE DETECTOR
- 12" X 12" ACCESS DOOR
- EXIT SIGN WITH EMERGENCY LIGHT
- 1" LINEAR EXTERIOR COVE LIGHTING (TYPE W)
- PLANTER LIGHTING (TYPE X)
- PLAZA ACCENT LIGHTING RECESSED BELOW PAVER DECK (TYPE Y)
- CANOPY ACCENT LIGHTING RECESSED BELOW PAVER DECK (TYPE Y2)
- 12" DIA FLAGPOLE LIGHTING, RECESSED BELOW PAVER DECK (TYPE Z)



1 OUTDOOR PLAZA PLAN  
SCALE: 1/8" = 1'-0"



2 OUTDOOR PLAZA DRAINAGE PLAN  
SCALE: 1/8" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 01
11	08.2023	For Public Bid

**DiGroupArchitecture**  
ARCHITECTURE FOR CHANGE

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

Jeffrey D. Venezia, AIA  
NJ RA #1 00827100

Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

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

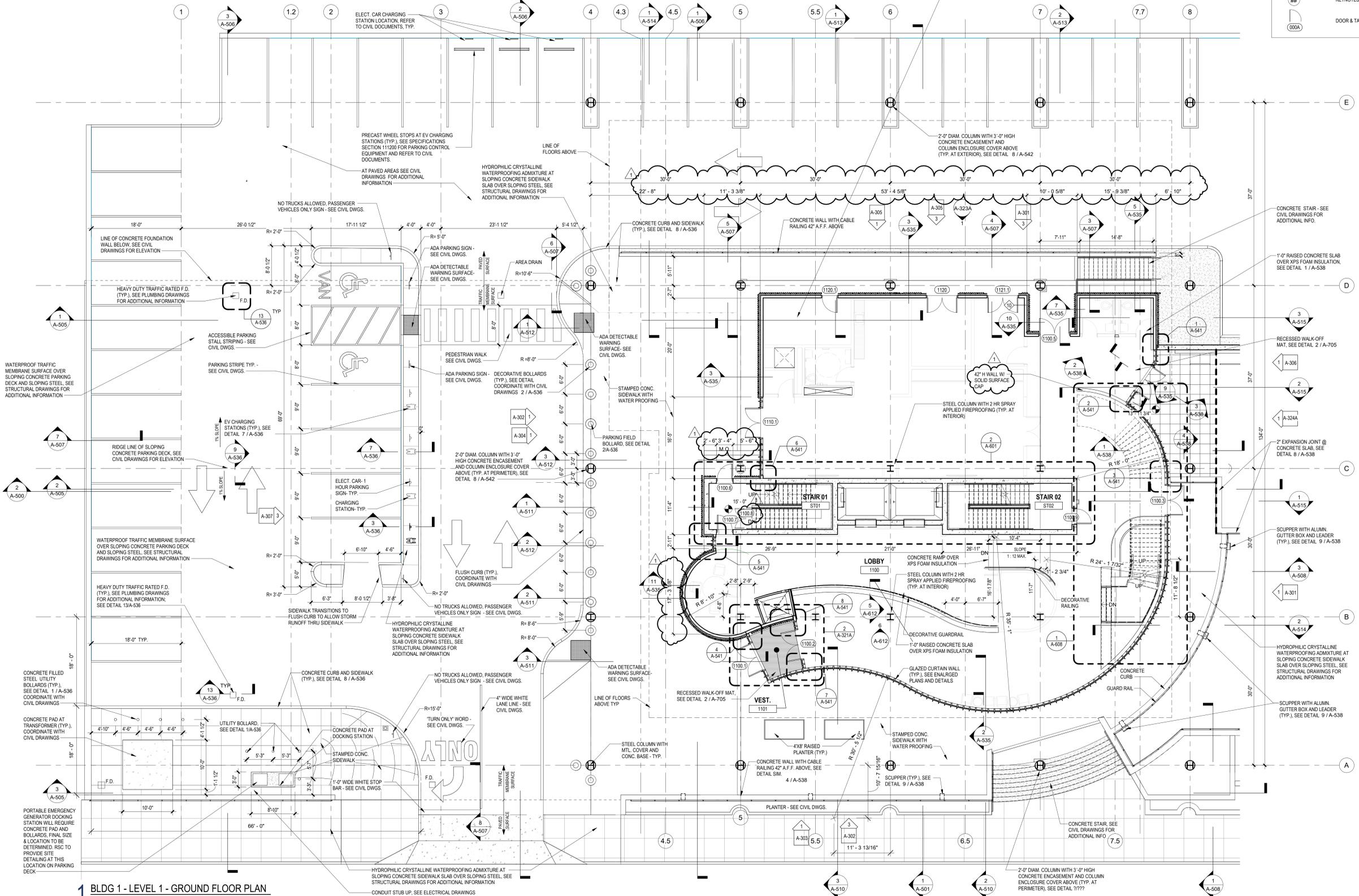
Sheet Name:  
**OUTDOOR PLAZA PLAN**

Sheet No:  
**AS-101**

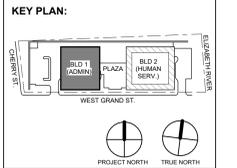
- GENERAL NOTES:**
- A. INTERIOR FIT-OUT PARTITIONS SHOWN IN BACKGROUND OF VOLUME 1 DOCUMENTS ARE FOR REFERENCE PURPOSES.
  - B. SEE DRAWINGS G-012 AND G-013 FOR PARTITION TYPES. PROVIDE GYPSUM BOARD FINISH ONLY ON INTERIOR SIDE OF ALL ELECTRIC/IT ROOMS. TYPICAL THROUGHOUT FOR PARTITION TYPE 3B. OUTSIDE FACE OF METAL STUD SHALL BE EXPOSED DURING CORE AND SHELL CONSTRUCTION IN PREPARATION FOR INTERIOR FIT-OUT.
  - C. SEE CS-300 SERIES DRAWINGS FOR ALL SLAB EDGE PLANS.
  - D. SEE CS-315 FOR WATERPROOFING PLANS.
  - E. SEE A-300 SERIES DRAWINGS FOR ENLARGED FLOOR PLANS.
  - F. SEE A-450 SERIES DRAWINGS FOR ENLARGED CURTAIN WALL ELEVATIONS.
  - G. SEE DRAWINGS A-505 AND A-506 FOR CROSS SECTIONS THRU VARIATIONS OF SLOPING CONCRETE SLAB PARKING DECK.
  - H. SEE DRAWING A-536 FOR ALL SITE DETAILS INSTALLED OVER STRUCTURAL CONCRETE SLAB.
  - I. PROVIDE "STYROFOAM HIGH-LOAD" EXTRUDED POLYSTYRENE (XPS) FOAM INSULATION WITH A COMPRESSIVE STRENGTH OF 40 PSI AT GENERAL CONCRETE FLOOR SLAB INFILL. SEE SPECIFICATION SECTION 072100 THERMAL INSULATION FOR RAISED SLABS.
  - J. SEE ELECTRIC DRAWINGS FOR COORDINATION OF POWER REQUIREMENTS TO ALL EV CHARGING STATIONS.
  - K. SEE PLUMBING DRAWINGS FOR COORDINATION OF HEAVY DUTY TRAFFIC RATED FLOOR DRAINS.
  - L. SEE SPECIFICATIONS SECTION 071800 FOR VEHICULAR TRAFFIC COATING.
  - M. SEE SPECIFICATIONS SECTION 11200 FOR PARKING CONTROL EQUIPMENT.
  - N. SEE CIVIL DRAWINGS FOR COORDINATION OF ALL PARKING STRIPING, PAINTED CROSSWALK, PAINTED MARKINGS, ADA CONCRETE CURB DETAILS, DETECTABLE WARNING SURFACES, ETC.
  - O. SEE CIVIL DRAWINGS FOR COORDINATION OF ALL GRADING AT SLOPING CONCRETE PARKING DECK AND WHERE SLOPING CONCRETE PARKING DECK MEETS PAVED SURFACES AND FOUNDATION WALL BELOW.
  - P. SEE STRUCTURAL DRAWINGS FOR COORDINATION SLOPING CONCRETE SLAB PARKING DECK.
  - Q. COORDINATE LOCATION AND FINAL SIZE OF CONCRETE PADS WITH EQUIPMENT MFR. REQUIREMENTS, TYPICAL.

**FLOOR PLAN LEGEND**

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



A ROOM ENCLOSURE INTEGRITY TEST WILL BE PERFORMED IN ALL IDF ROOMS AFTER CONSTRUCTION IS COMPLETE IN ORDER TO VERIFY THAT THE SPACE IS CAPABLE OF SUFFICIENTLY CONTAINING THE CLEAN AGENT GAS FIRE SUPPRESSION SYSTEM. CONTRACTOR SHALL CALK/SEAL/FIRESTOP ALL WALLS AROUND THE PERIMETER OF THE ROOM WHERE THE WALLS REST ON THE FLOOR SLAB OR MEET THE DECK ABOVE AND ALL PENETRATIONS IN IDF ROOM INCLUDING BUT NOT LIMITED TO PENETRATIONS THROUGH THE FLOOR SLAB, WALLS, CEILING, DECK ABOVE, ETC. ALL PENETRATIONS INCLUDING BUT NOT LIMITED TO PIPING, CONDUIT, CABLE TRAYS, JUNCTION BOXES, ETC. MUST BE PROPERLY SEALED/FIRESTOPPING. SEE DOOR SCHEDULE FOR ALL REQUIRED HARDWARE TO ENSURE A PROPERLY SEALED ROOM.



No.	Date	Description
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2	11.08.2023	For Public Bid

**Revisions / Issues**

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Jeffrey D. Venezia, AIA  
NJ RA #A1 00827100

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

**Client:**  
UNION COUNTY IMPROVEMENT AUTHORITY

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

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

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

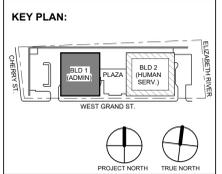
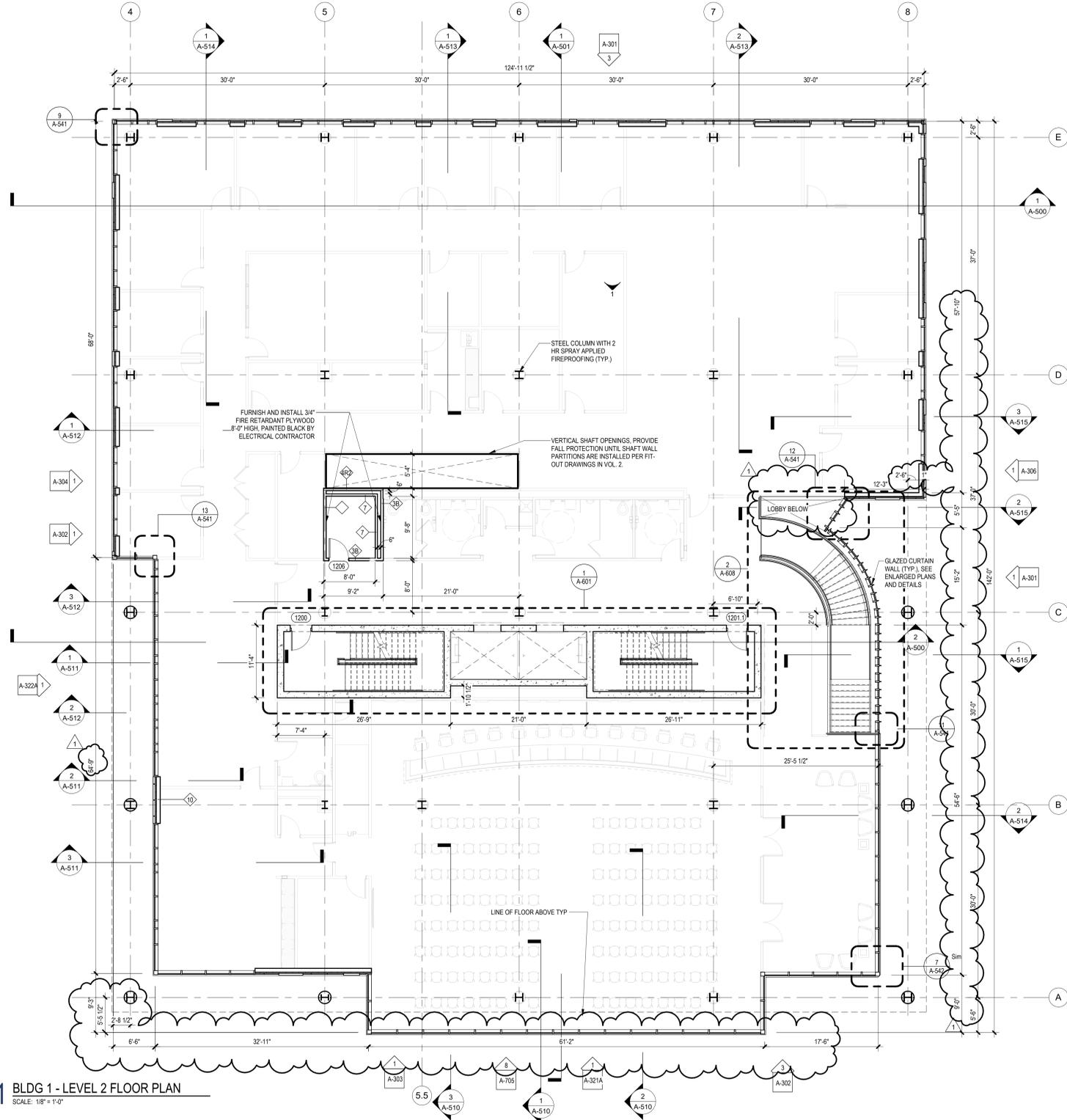
**Sheet No:**  
CS-101

**GENERAL NOTES:**

- A. INTERIOR FIT-OUT PARTITIONS SHOWN IN BACKGROUND OF VOLUME 1 DOCUMENTS ARE FOR REFERENCE PURPOSES.
- B. SEE DRAWINGS G-012 AND G-013 FOR PARTITION TYPES. PROVIDE GYPSUM BOARD FINISH ONLY ON INTERIOR SIDE OF ALL ELECTRIC / IT ROOMS, TYPICAL THROUGHOUT FOR PARTITION TYPE 38. OUTSIDE FACE OF METAL STUD SHALL BE EXPOSED DURING CORE AND SHELL CONSTRUCTION IN PREPARATION FOR INTERIOR FIT-OUT.
- C. SEE CS-300 SERIES DRAWINGS FOR ALL SLAB EDGE PLANS.
- D. SEE A-300 SERIES DRAWINGS FOR ENLARGED CURTAIN WALL ELEVATIONS.
- E. SEE ELECTRIC DRAWINGS FOR COORDINATION OF POWER REQUIREMENTS AT ALL ELECTRIC ROOMS AND PARKING CONTROL EQUIPMENT.
- F. SEE PLUMBING DRAWINGS FOR COORDINATION OF VERTICAL PIPING.
- G. SEE MECHANICAL DRAWINGS FOR COORDINATION OF DUCTWORK.
- H. SEE TELE/ DATA DRAWINGS FOR COORDINATION OF LOW VOLTAGE REQUIREMENTS AT ALL MDF / IDF ROOMS AND PARKING CONTROL EQUIPMENT.
- I. SEE SPECIFICATIONS SECTION SECTION 111200 FOR PARKING CONTROL EQUIPMENT.
- J. BASIS OF DESIGN: AMANO MCGANN AMI-1200 SERIES (COORDINATE OPERATION OF LIFT GATE WITH LOOP DETECTORS. SEE ELEC AND SECURITY DETAILS FOR ADDITIONAL INFORMATION)
- K. THE EXACT SIZE, SHAPE, AND LOCATION OF ALL EQUIPMENT PADS SHALL BE DETERMINED BY THE SIZE OF THE EQUIPMENT. COORDINATE LOCATION AND FINAL SIZE OF CONCRETE PADS WITH EQUIPMENT AND MANUFACTURER PRIOR TO CONSTRUCTION. MAINTAIN 4" MINIMUM OF CONCRETE BEYOND EQUIPMENT ALL AROUND, TYPICAL.
- L. FOR TYPICAL ARCHITECTURAL SITE FEATURES, REFER TO DETAILS ON A-536.

**FLOOR PLAN LEGEND**

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



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

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

Sheet Name:  
**BUILDING NO. 1 - LEVEL 2 - FLOOR PLAN**

Sheet No:  
**CS-102**

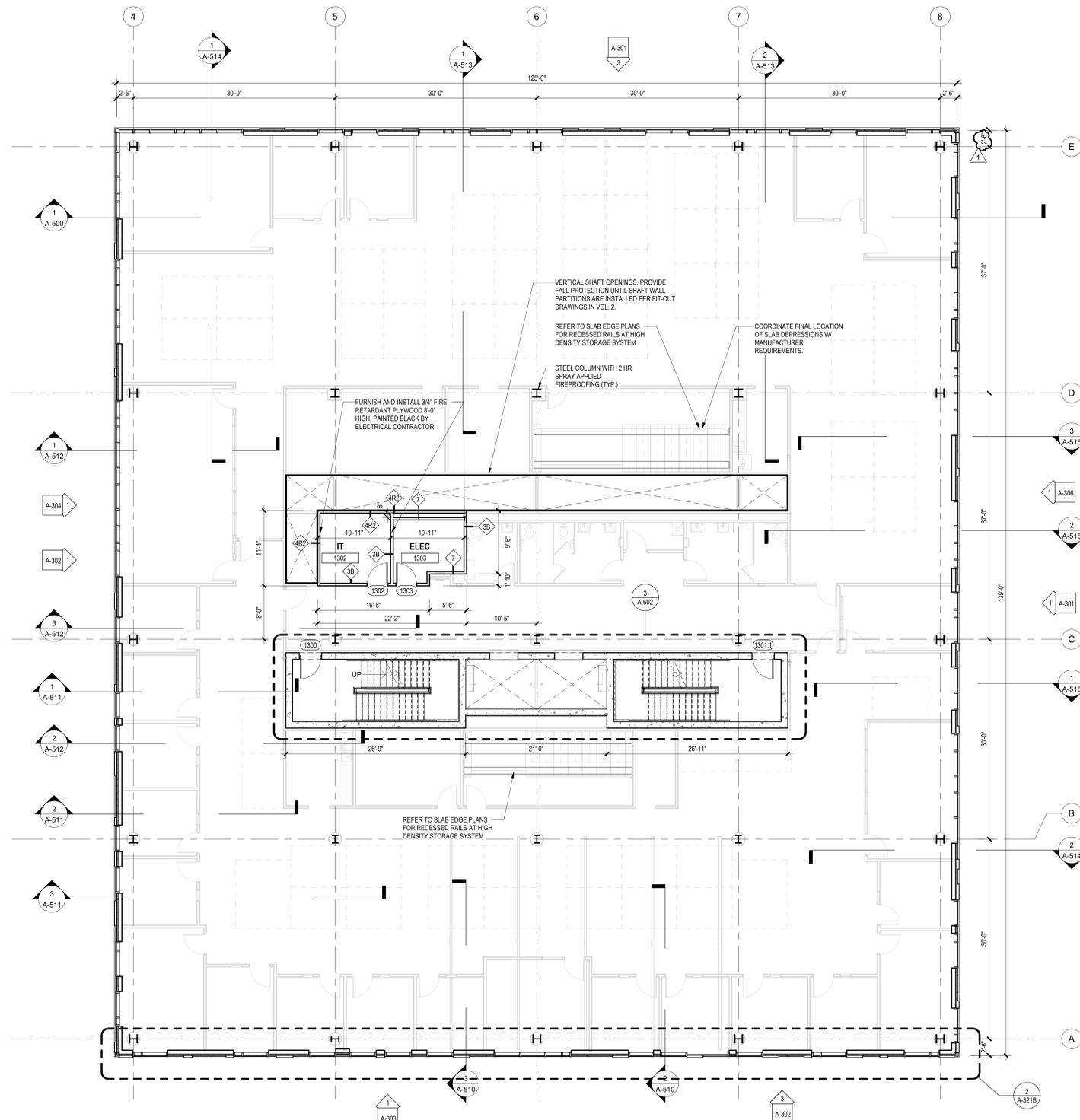
**1 BLDG 1 - LEVEL 2 FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

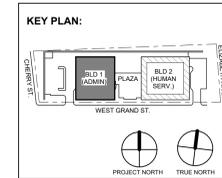
- A. INTERIOR FIT-OUT PARTITIONS SHOWN IN BACKGROUND OF VOLUME 1 DOCUMENTS ARE FOR REFERENCE PURPOSES.
- B. SEE DRAWINGS G-012 AND G-013 FOR PARTITION TYPES. PROVIDE GYPSUM BOARD FINISH ONLY ON INTERIOR SIDE OF ALL ELECTRIC / IT ROOMS, TYPICAL THROUGHOUT FOR PARTITION TYPE 3B. OUTSIDE FACE OF METAL STUD SHALL BE EXPOSED DURING CORE AND SHELL CONSTRUCTION IN PREPARATION FOR INTERIOR FIT-OUT.
- C. SEE CS-300 SERIES DRAWINGS FOR ALL SLAB EDGE PLANS.
- D. SEE A-300 SERIES DRAWINGS FOR ENLARGED CURTAIN WALL ELEVATIONS.
- E. SEE ELECTRIC DRAWINGS FOR COORDINATION OF POWER REQUIREMENTS AT ALL ELECTRIC ROOMS AND PARKING CONTROL EQUIPMENT.
- F. SEE PLUMBING DRAWINGS FOR COORDINATION OF VERTICAL PIPING.
- G. SEE MECHANICAL DRAWINGS FOR COORDINATION OF DUCTWORK.
- H. SEE TELE/ DATA DRAWINGS FOR COORDINATION OF LOW VOLTAGE REQUIREMENTS AT ALL MDF / IDF ROOMS AND PARKING CONTROL EQUIPMENT.
- I. SEE SPECIFICATIONS SECTION SECTION 111200 FOR PARKING CONTROL EQUIPMENT.
- J. BASIS OF DESIGN: AMANO MCGANN AMI-1200 SERIES (COORDINATE OPERATION OF LIFT GATE WITH LOOP DETECTORS. SEE ELEC AND SECURITY DETAILS FOR ADDITIONAL INFORMATION)
- K. THE EXACT SIZE, SHAPE, AND LOCATION OF ALL EQUIPMENT PADS SHALL BE DETERMINED BY THE SIZE OF THE EQUIPMENT. COORDINATE LOCATION AND FINAL SIZE OF CONCRETE PADS WITH EQUIPMENT AND MANUFACTURER PRIOR TO CONSTRUCTION. MAINTAIN 4" MINIMUM OF CONCRETE BEYOND EQUIPMENT ALL AROUND, TYPICAL.
- L. FOR TYPICAL ARCHITECTURAL SITE FEATURES, REFER TO DETAILS ON A-536.

FLOOR PLAN LEGEND

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



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



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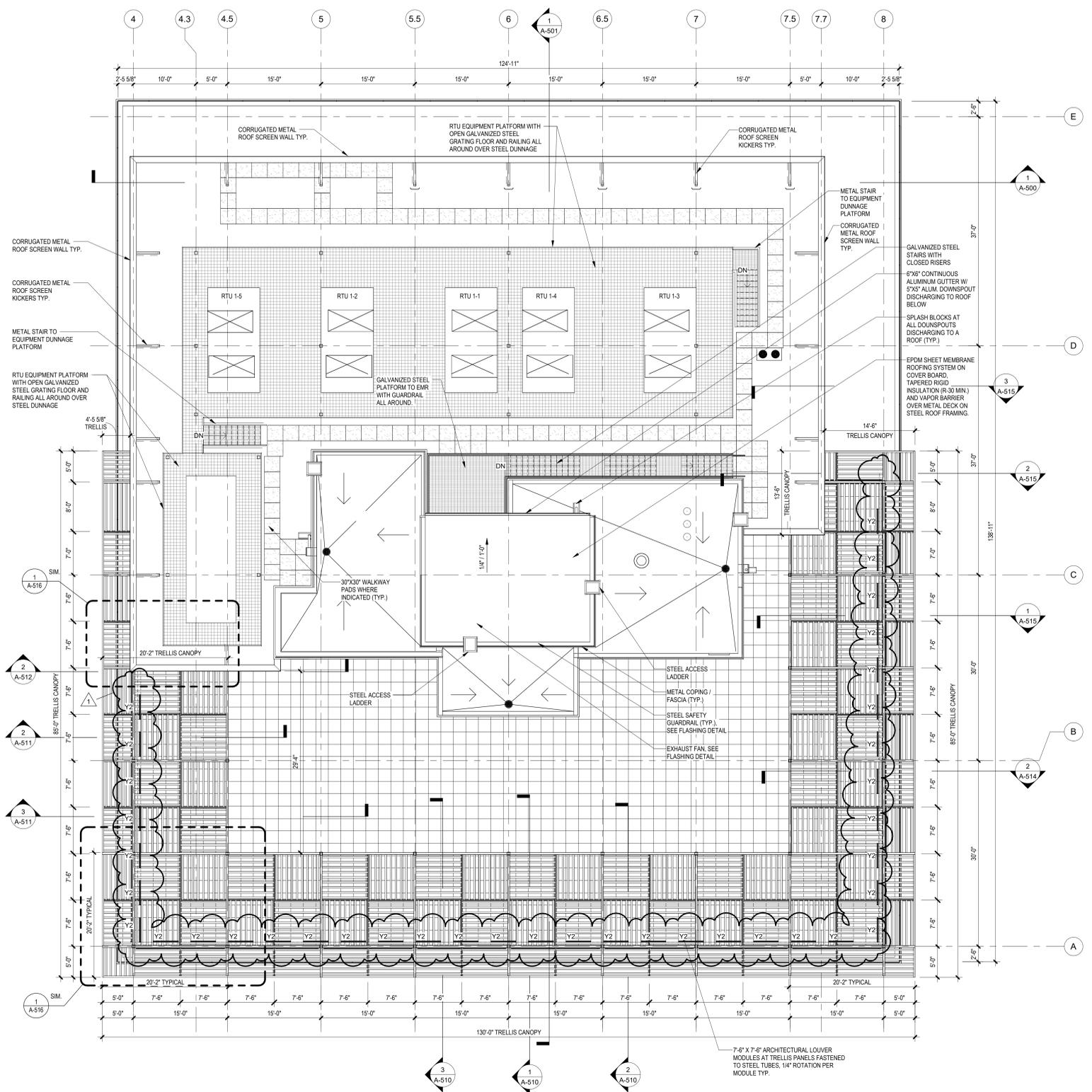
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Drawing Information:  
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Drawn By: JB / AV / PC  
Checked By: JM / SH

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

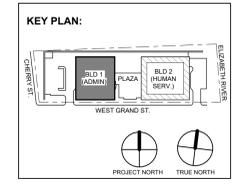
Sheet No:  
**CS-103**

FLOOR PLAN LEGEND	
	STUD CONSTRUCTION
	MASONRY CONSTRUCTION
	POURED CONCRETE
	EXPANSION JOINT
	ENLARGED PLAN / DETAIL REFERENCE
	SPOT ELEVATION
	PARTITION TAG
	WALL SECTION
	BUILDING ELEVATION
	KEYNOTES
	DOOR & TAG



**GENERAL NOTES:**

- A. SIZE AND LOCATION OF ROOFTOP UNITS, CONDENSERS, PITCH POCKETS AND OTHER ELECTRICAL, MECHANICAL OR PLUMBING EQUIPMENT INDICATED ON THIS PLAN ARE APPROXIMATE. VERIFY EXACT LOCATIONS IN THE FIELD AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- B. COORDINATE ALL ROOF EQUIPMENT SHOWN AND ROOF PENETRATIONS WITH STRUCTURAL ROOF FRAMING PLANS AND MECHANICAL DRAWINGS.
- C. ELEVATIONS SHOWN ARE TO THE TOP OF THE ROOF INSULATION FROM EL. 0'-0"
- D. ALL DIMENSIONS ARE TO COLUMN CENTERLINES (U.O.N.)
- E. ALL DIMENSIONS ARE TO CENTERLINE OF ROOF OPENINGS
- F. MECHANICAL OPENINGS ARE BASED ON SPECIFIED EQUIPMENT, VERIFY ALL OPENING SIZES WITH MECHANICAL CONTRACTOR.
- G. SEE DRAWINGS G-012 AND G-013 FOR PARTITION TYPES.
- H. SEE CS-300 SERIES DRAWINGS FOR ALL SLAB EDGE PLANS FOR SIZE OF ROOF OPENINGS. VERIFY EXACT SIZE WITH MECHANICAL CONTRACTOR.
- I. SEE A-600 SERIES DRAWINGS FOR ENLARGED FLOOR PLANS AT EGRESS STAIRS.
- J. SEE DRAWINGS A-425 AND A-426 FOR ENLARGED FLOOR PLANS AT PENTHOUSE AND EMR.
- K. REFER TO DRAWING A-516 AND A-525 FOR ROOF TRELLIS AND GLASS RAILING DETAILS.
- L. SEE A-550 SERIES DRAWINGS FOR ROOF DETAILS.
- M. THE EXACT SIZE, SHAPE, AND LOCATION OF ALL EQUIPMENT PADS SHALL BE DETERMINED BY THE SIZE OF THE EQUIPMENT. COORDINATE LOCATION AND FINAL SIZE OF CONCRETE PADS WITH EQUIPMENT AND MANUFACTURER PRIOR TO CONSTRUCTION. MAINTAIN A MINIMUM OF CONCRETE BEYOND EQUIPMENT ALL AROUND, TYPICAL.
- N. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- O. SEE SPECIFICATIONS SECTION 072100 FOR THERMAL INSULATION.
- P. SEE SPECIFICATIONS SECTION 07533 FOR TYPICAL EPDM MEMBRANE ROOFING AND TYPE & THICKNESS OF ROOFING INSULATION. BASIS OF DESIGN - CARLISLE SYNTEC 'SURE-WHITE'.
- Q. SEE SPECIFICATIONS SECTION 077100 FOR ROOF SPECIALTIES AND ACCESSORIES. PROVIDE PRESSURE TREATED WOOD BLOCKING AS REQUIRED FOR PROPER ANCHORAGE.



RCP LEGEND	
<b>Room name</b>	ROOM NAME
	ROOM NAME
	CEILING HEIGHT
	ROOM NUMBER
	CEILING TYPE
	CEILING HEIGHT
	GYPSUM BOARD CEILING
	2' BY 2' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
	4' BY 4' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
	HVAC - RETURN
	HVAC - SUPPLY
	4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
	4'-0" SURFACE MOUNTED LINEAR LIGHT FIXTURE (TYPE M) - MOUNTING HEIGHT: 8'-0" A.F.F. TO BOTTOM OF FIXTURE (M)
	16' X 16' SURFACE MOUNTED CEILING LIGHT FIXTURE (TYPE PL)
	6' X 6' SURFACE MOUNTED CYLINDER LIGHT (TYPE PL-C)
	EXTERIOR RATED, BUILDING MOUNTED WALLPACK FIXTURE (TYPE R)
	FA CEILING MOUNTED SPEAKER & STROBE
	FA CEILING MOUNTED STROBE
	SMOKE DETECTOR
	12' X 12' ACCESS DOOR
	EXIT SIGN WITH EMERGENCY LIGHT
	1' LINEAR EXTERIOR COVE LIGHTING (TYPE W)
	PLANTER LIGHTING (TYPE X)
	PLAZA ACCENT LIGHTING RECESSED BELOW PAVEMENT (TYPE Y)
	CANOPY ACCENT LIGHTING RECESSED BELOW PAVEMENT (TYPE Y2)
	12" DIA FLAGPOLE LIGHTING, RECESSED BELOW PAVEMENT (TYPE Z)

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Jeffrey D. Venezia, AIA  
NJ RA AI 00827100

Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

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

Sheet Name:  
**BUILDING NO. 1 - ROOF PLAN AT TOP OF TRELLIS AND EQUIPMENT PLATFORM**

Sheet No:  
**CS-108**

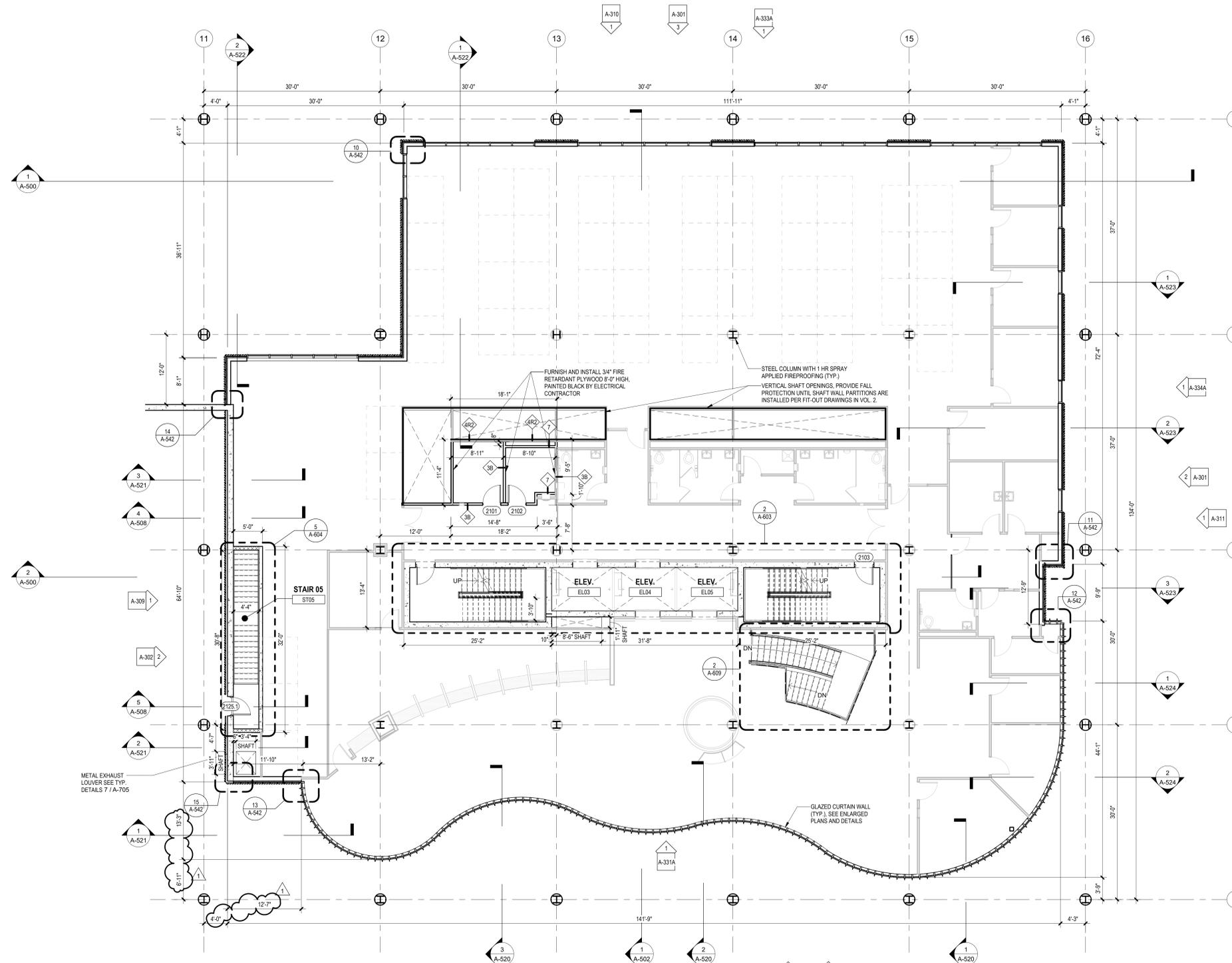
**1 BLDG. NO. 1 - ROOF PLAN AT TOP OF TRELLIS & EQUIPMENT PLATFORM**  
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

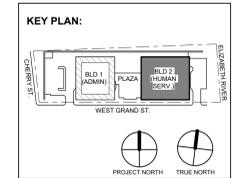
- A. INTERIOR FIT-OUT PARTITIONS SHOWN IN BACKGROUND OF CORE AND SHELL DOCUMENTS ARE FOR REFERENCE PURPOSES
- B. CONTRACTOR SHALL EXCLUDE INSTALLATION OF GYPSUM BOARD FINISH ONLY ON INTERIOR SIDE OF ALL EXTERIOR PARTITIONS, TYPICAL THROUGHOUT. INSIDE FACE OF METAL STUD SHALL BE EXPOSED DURING CORE AND SHELL CONSTRUCTION IN PREPARATION FOR INTERIOR FIT-OUT.
- C. SEE DRAWINGS G-013 AND G-014 FOR PARTITION TYPES. PROVIDE GYPSUM BOARD FINISH ONLY ON INTERIOR SIDE OF ALL ELECTRIC / IT ROOMS, TYPICAL THROUGHOUT FOR PARTITION TYPE 3B. OUTSIDE FACE OF METAL STUD SHALL BE EXPOSED DURING CORE AND SHELL CONSTRUCTION IN PREPARATION FOR INTERIOR FIT-OUT.
- D. SEE CS-300 SERIES DRAWINGS FOR ALL SLAB EDGE PLANS
- E. SEE A-400 SERIES DRAWINGS FOR ENLARGED FLOOR PLANS
- F. SEE A-450 SERIES DRAWINGS FOR ENLARGED CURTAIN WALL ELEVATIONS
- G. SEE ELECTRIC DRAWINGS FOR COORDINATION OF POWER REQUIREMENTS AT ALL ELECTRIC ROOMS
- H. SEE PLUMBING DRAWINGS FOR COORDINATION OF VERTICAL PIPING
- I. SEE MECHANICAL DRAWINGS FOR COORDINATION OF DUCTWORK
- J. SEE TELE/ DATA DRAWINGS FOR COORDINATION OF LOW VOLTAGE REQUIREMENTS AT ALL MDF / IDF ROOMS
- K. FOR TYPICAL ARCHITECTURAL SITE FEATURES, REFER TO DETAILS ON A-536.

FLOOR PLAN LEGEND

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



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



No.	Date	Description
1	12.01.2023	Addendum No. 01
2	11.08.2023	For Public Bid

**Revisions / Issues**

**Client:**  
UNION COUNTY IMPROVEMENT AUTHORITY

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

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

**Sheet Name:**  
BUILDING NO. 2 - LEVEL 1 - FLOOR PLAN

**Sheet No:**  
CS-111

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

Client: UNION COUNTY IMPROVEMENT AUTHORITY

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

Project Information:  
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Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
BUILDING NO. 2 - LEVEL 1 - FLOOR PLAN

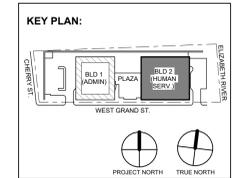
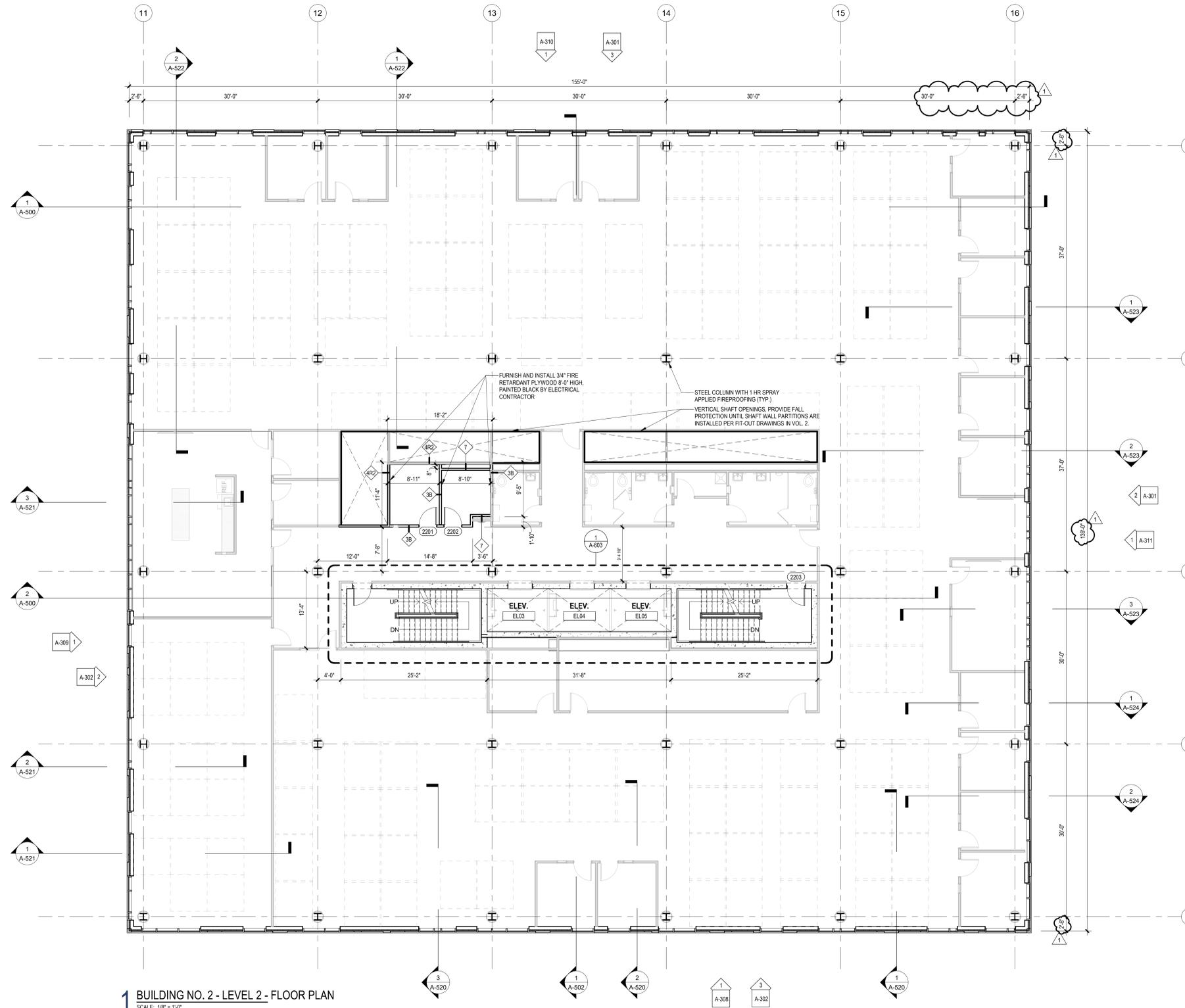
Sheet No:  
CS-111

GENERAL NOTES:

- A. INTERIOR FIT-OUT PARTITIONS SHOWN IN BACKGROUND OF CORE AND SHELL DOCUMENTS ARE FOR REFERENCE PURPOSES
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- D. SEE CS-300 SERIES DRAWINGS FOR ALL SLAB EDGE PLANS
- E. SEE A-400 SERIES DRAWINGS FOR ENLARGED FLOOR PLANS
- F. SEE A-450 SERIES DRAWINGS FOR ENLARGED CURTAIN WALL ELEVATIONS
- G. SEE ELECTRIC DRAWINGS FOR COORDINATION OF POWER REQUIREMENTS AT ALL ELECTRIC ROOMS
- H. SEE PLUMBING DRAWINGS FOR COORDINATION OF VERTICAL PIPING
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FLOOR PLAN LEGEND

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



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

**Revisions / Issues**

**DIGroupArchitecture**  
ARCHITECTURE FOR CHANGE

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

Jeffrey D. Venezia, AIA  
NJ RA AI 05827100

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Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

Drawing Information:  
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Drawn By: JB / AV / PC  
Checked By: JM / SH

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

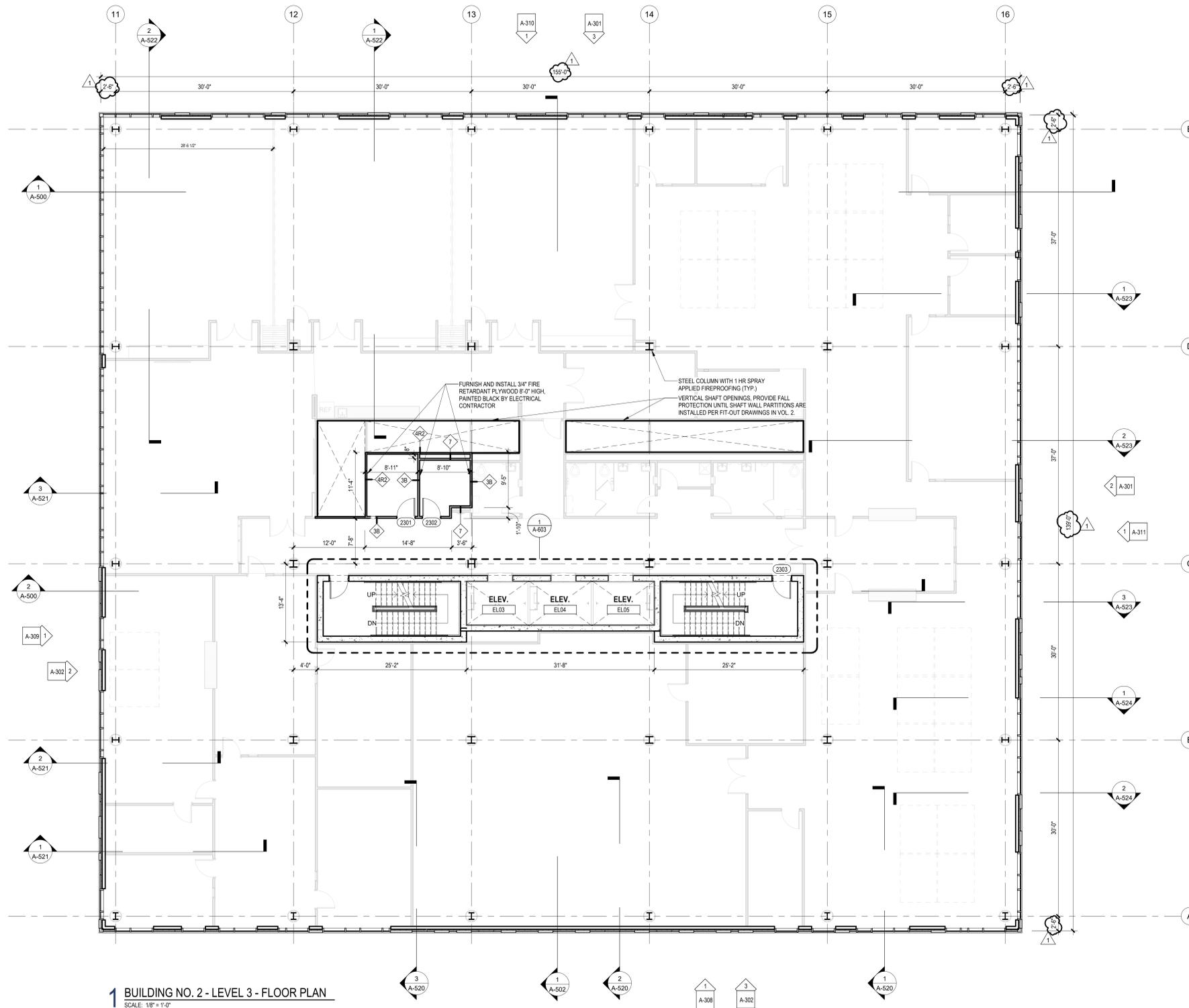
Sheet No:  
**CS-112**

**GENERAL NOTES:**

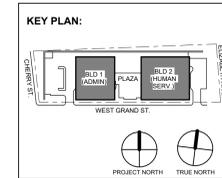
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- D. SEE CS-300 SERIES DRAWINGS FOR ALL SLAB EDGE PLANS
- E. SEE A-400 SERIES DRAWINGS FOR ENLARGED FLOOR PLANS
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- G. SEE ELECTRIC DRAWINGS FOR COORDINATION OF POWER REQUIREMENTS AT ALL ELECTRIC ROOMS
- H. SEE PLUMBING DRAWINGS FOR COORDINATION OF VERTICAL PIPING
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- K. FOR TYPICAL ARCHITECTURAL SITE FEATURES, REFER TO DETAILS ON A-536.

**FLOOR PLAN LEGEND**

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



**1 BUILDING NO. 2 - LEVEL 3 - FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



No.	Date	Description
1	12.01.2023	Addendum No. 01
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**Revisions / Issues**

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

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Sheet Name:  
**BUILDING NO. 2 - LEVEL 3 - FLOOR PLAN**

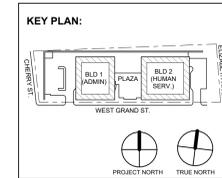
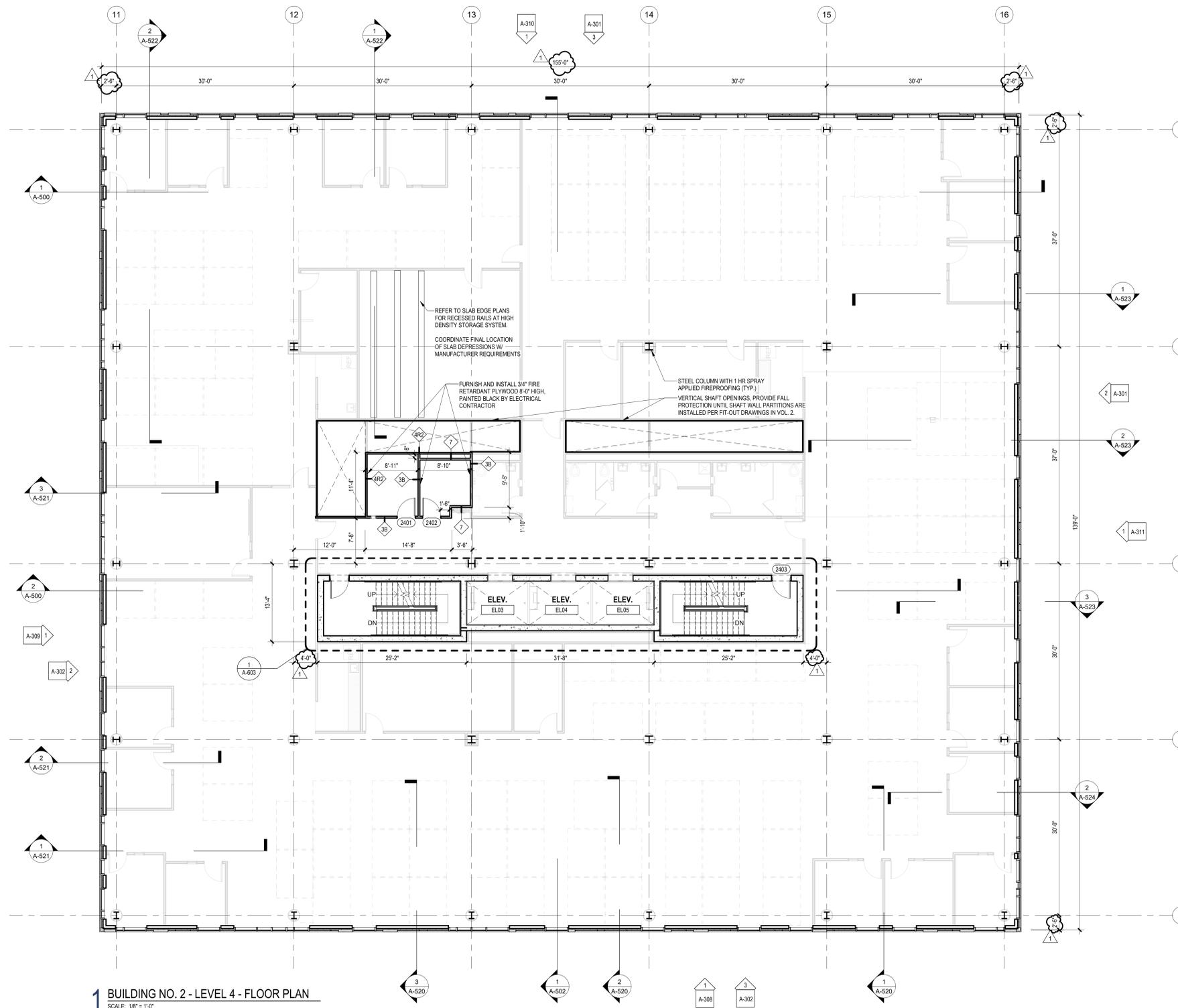
Sheet No:  
**CS-113**

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- D. SEE CS-300 SERIES DRAWINGS FOR ALL SLAB EDGE PLANS
- E. SEE A-400 SERIES DRAWINGS FOR ENLARGED FLOOR PLANS
- F. SEE A-450 SERIES DRAWINGS FOR ENLARGED CURTAIN WALL ELEVATIONS
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- K. FOR TYPICAL ARCHITECTURAL SITE FEATURES, REFER TO DETAILS ON A-536.

**FLOOR PLAN LEGEND**

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



No.	Date	Description
1	12.01.2023	Addendum No. 01
2	11.08.2023	For Public Bid

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

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 Client:  
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 81 & 93 WEST GRAND STREET  
 CITY OF ELIZABETH  
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Sheet Name:  
**BUILDING NO. 2 - LEVEL 4 - FLOOR PLAN**

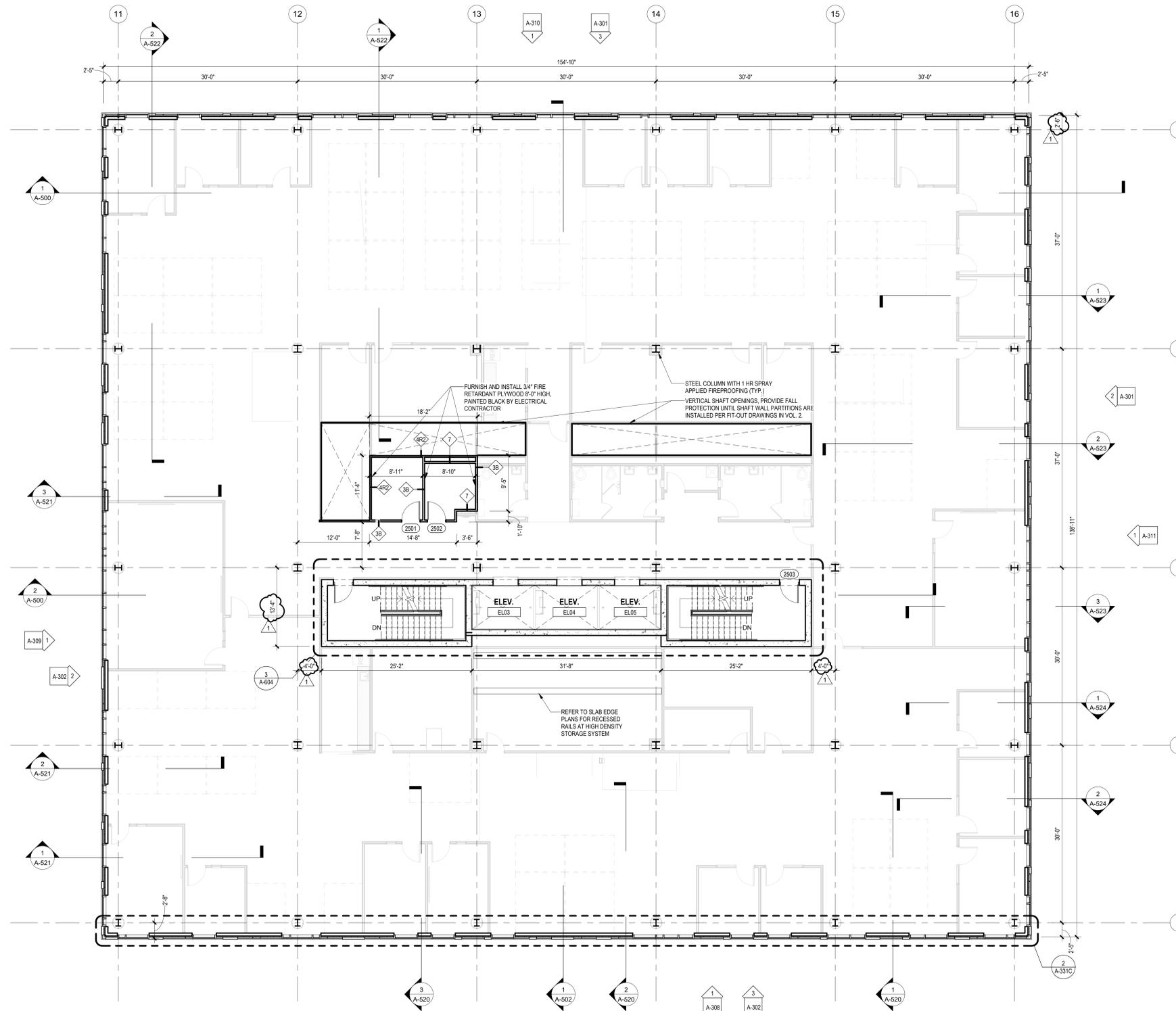
Sheet No:  
**CS-114**

**GENERAL NOTES:**

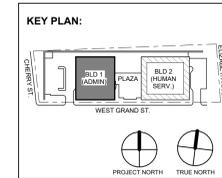
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- D. SEE CS-300 SERIES DRAWINGS FOR ALL SLAB EDGE PLANS
- E. SEE A-400 SERIES DRAWINGS FOR ENLARGED FLOOR PLANS
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- G. SEE ELECTRIC DRAWINGS FOR COORDINATION OF POWER REQUIREMENTS AT ALL ELECTRIC ROOMS
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- K. FOR TYPICAL ARCHITECTURAL SITE FEATURES, REFER TO DETAILS ON A-536.

**FLOOR PLAN LEGEND**

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



**1 BUILDING NO. 2 - LEVEL 5 - FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



No.	Date	Description
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Sheet Name:  
**BUILDING NO. 2 - LEVEL 5 - FLOOR PLAN**

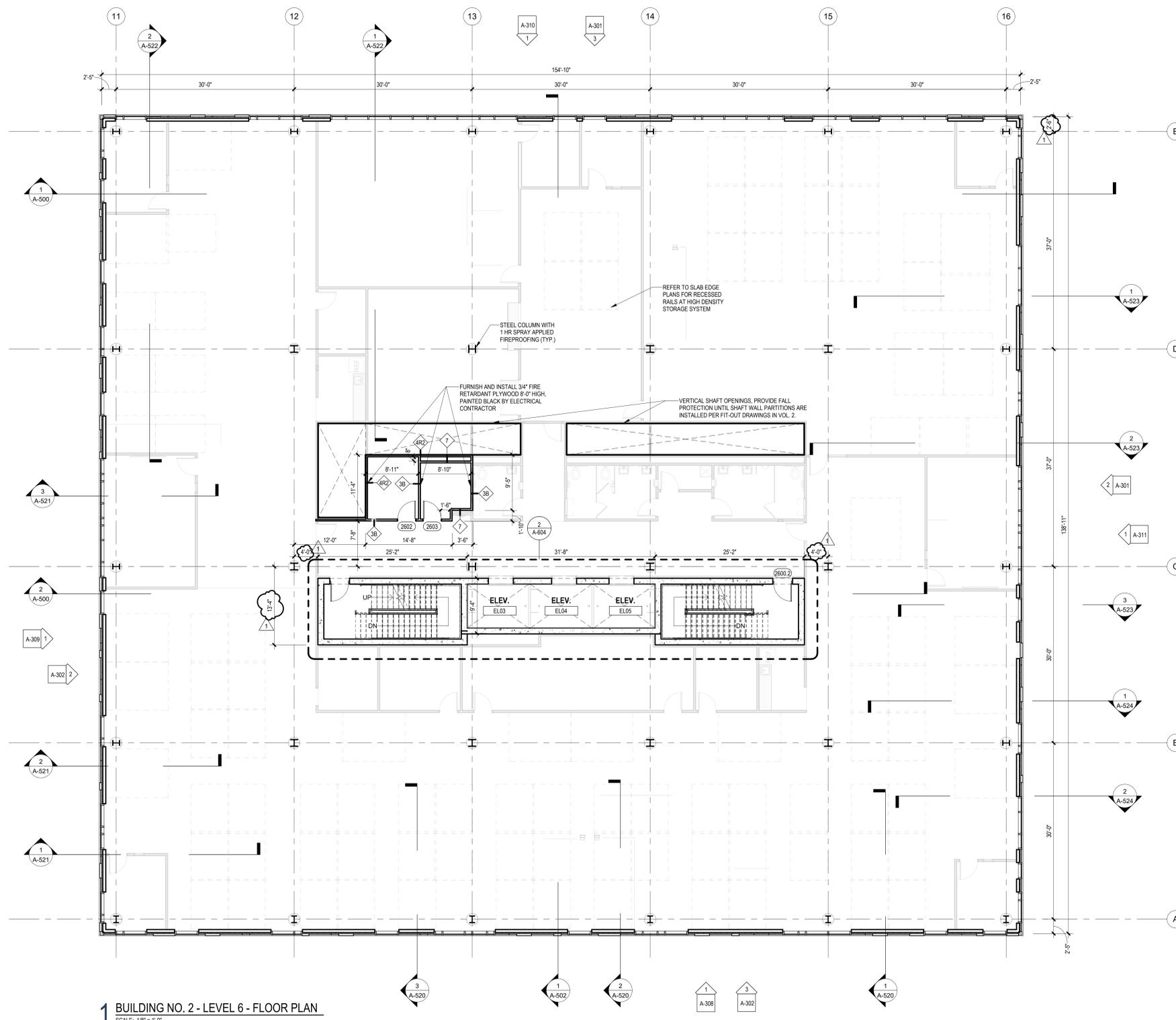
Sheet No:  
**CS-115**

GENERAL NOTES:

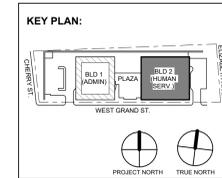
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- E. SEE A-400 SERIES DRAWINGS FOR ENLARGED FLOOR PLANS
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FLOOR PLAN LEGEND

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



1 BUILDING NO. 2 - LEVEL 6 - FLOOR PLAN  
SCALE: 1/8" = 1'-0"



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

Sheet No:  
**CS-116**

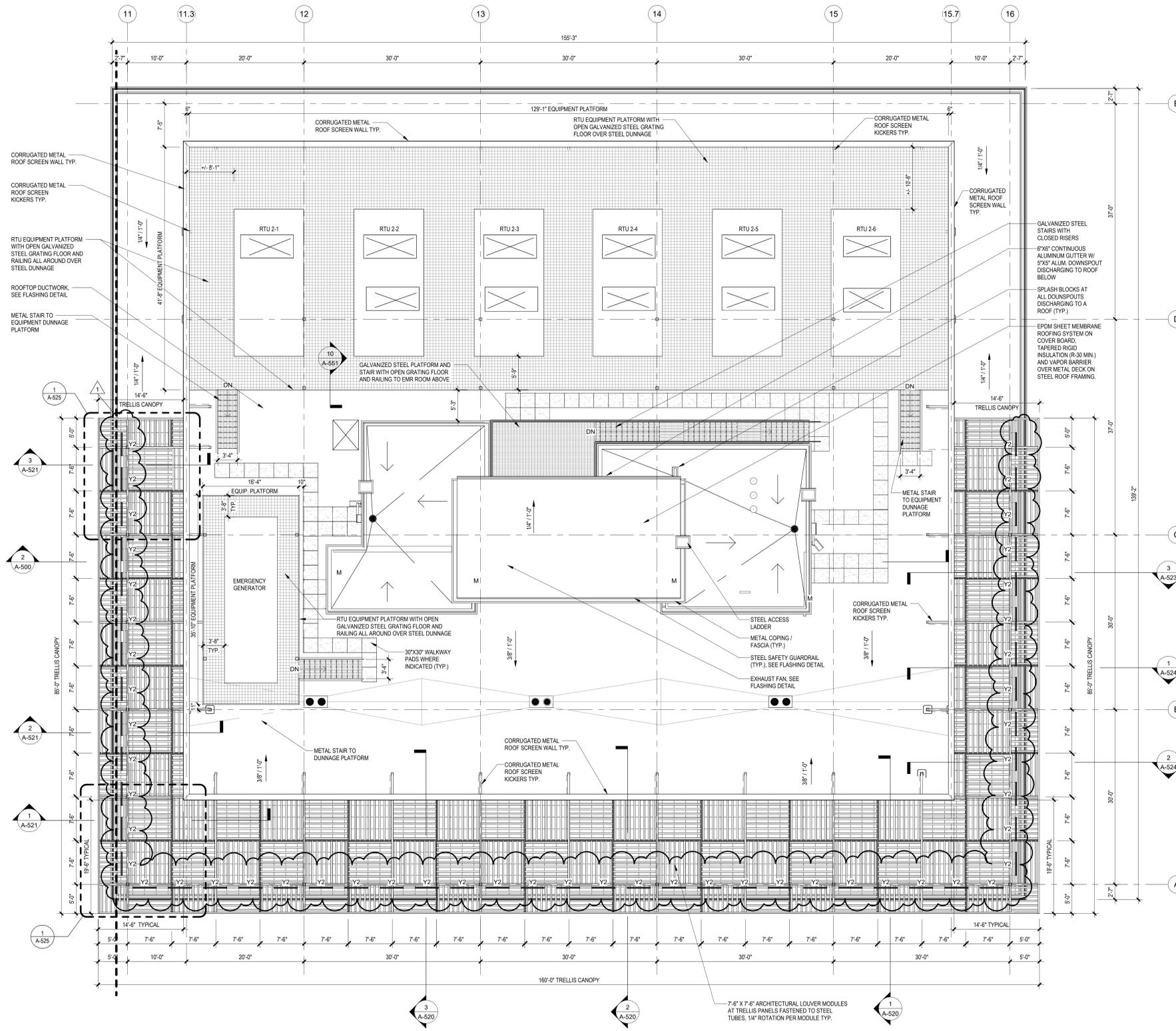
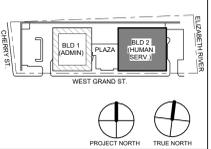
FLOOR PLAN LEGEND

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	MASONRY CONSTRUCTION
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	EXPANSION JOINT
	ENLARGED PLAN / DETAIL REFERENCE
	SPOT ELEVATION
	PARTITION TAG
	WALL SECTION
	BUILDING ELEVATION
	KEYNOTES
	DOOR & TAG

GENERAL NOTES:

- A. SIZE AND LOCATION OF ROOFTOP UNITS, CONDENSERS, PITCH POCKETS AND OTHER ELECTRICAL, MECHANICAL OR PLUMBING EQUIPMENT INDICATED ON THIS PLAN ARE APPROXIMATE. VERIFY EXACT LOCATIONS IN THE FIELD AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- B. COORDINATE ALL ROOF EQUIPMENT SHOWN AND ROOF PENETRATIONS WITH STRUCTURAL ROOF FRAMING PLANS AND MECHANICAL DRAWINGS.
- C. ELEVATIONS SHOWN ARE TO THE TOP OF THE ROOF INSULATION FROM EL. 0'-0".
- D. ALL DIMENSIONS ARE TO COLUMN CENTERLINES (U.O.N.).
- E. ALL DIMENSIONS ARE TO CENTERLINE OF ROOF OPENINGS.
- F. MECHANICAL OPENINGS ARE BASED ON SPECIFIED EQUIPMENT. VERIFY ALL OPENING SIZES WITH MECHANICAL CONTRACTOR.
- G. SEE DRAWINGS G-012 AND G-013 FOR PARTITION TYPES.
- H. SEE CS-300 SERIES DRAWINGS FOR ALL SLAB EDGE PLANS FOR SIZE OF ROOF OPENINGS. VERIFY EXACT SIZE WITH MECHANICAL CONTRACTOR.
- I. SEE A-600 SERIES DRAWINGS FOR ENLARGED FLOOR PLANS AT EGRESS STAIRS.
- J. SEE DRAWINGS A-425 AND A-426 FOR ENLARGED FLOOR PLANS AT PENTHOUSE AND EMR.
- K. REFER TO DRAWING A-516 AND A-525 FOR ROOF TRELLIS AND GLASS RAILING DETAILS.
- L. SEE A-550 SERIES DRAWINGS FOR ROOF DETAILS.
- M. THE EXACT SIZE, SHAPE, AND LOCATION OF ALL EQUIPMENT PADS SHALL BE DETERMINED BY THE SIZE OF THE EQUIPMENT. COORDINATE LOCATION AND FINAL SIZE OF CONCRETE PADS WITH EQUIPMENT AND MANUFACTURER PRIOR TO CONSTRUCTION. MAINTAIN 4" MINIMUM OF CONCRETE BEYOND EQUIPMENT ALL AROUND, TYPICAL.
- N. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- O. SEE SPECIFICATIONS SECTION 072100 FOR THERMAL INSULATION.
- P. SEE SPECIFICATIONS SECTION 075323 FOR TYPICAL EPDM MEMBRANE ROOFING AND TYPE & THICKNESS OF ROOFING INSULATION. BASIS OF DESIGN - CARLISLE SYNTEC "SURE-WHITE".
- Q. SEE SPECIFICATIONS SECTION 077100 FOR ROOF SPECIALTIES AND ACCESSORIES. PROVIDE PRESSURE TREATED WOOD BLOCKING AS REQUIRED FOR PROPER ANCHORAGE.

KEY PLAN:



1 BUILDING NO. 2 - ROOF PLAN AT TOP OF TRELLIS & EQUIPMENT PLATFORM  
SCALE: 1/8" = 1'-0"

RCP LEGEND

Room name	ROOM NAME
101	VARIABLE
APC-1	CEILING HEIGHT
10'-0"	ROOM NUMBER
	CEILING HEIGHT
	GYPSUM BOARD CEILING
	2' BY 2' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
	4' BY 4' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
	HVAC - RETURN
	HVAC - SUPPLY
	4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
	4'-0" SURFACE MOUNTED LINEAR LIGHT FIXTURE (TYPE M) - MOUNTING HEIGHT: 8'-0" A.F.F. TO BOTTOM OF FIXTURE (M)
	16" X 16" SURFACE MOUNTED CEILING LIGHT FIXTURE (TYPE PL)
	6" X 6" SURFACE MOUNTED CYLINDER LIGHT (TYPE PL-C)
	EXTERIOR RATED, BUILDING MOUNTED WALLPACK FIXTURE (TYPE R)
	FA CEILING MOUNTED SPEAKER & STROBE
	FA CEILING MOUNTED STROBE
	SMOKE DETECTOR
	12" X 12" ACCESS DOOR
	EXIT SIGN WITH EMERGENCY LIGHT
	1" LINEAR EXTERIOR COVE LIGHTING (TYPE W)
	PLANTER LIGHTING (TYPE X)
	PLAZA ACCENT LIGHTING RECESSED BELOW PAVER DECK (TYPE Y)
	CANOPY ACCENT LIGHTING RECESSED BELOW PAVER DECK (TYPE Y2)
	12" DIA FLAGPOLE LIGHTING, RECESSED BELOW PAVER DECK (TYPE Z)

No.	Date	Description
1	12.01.2023	Addendum No. 01
11	08.2023	For Public Bid

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

Jeffrey D. Venezia, AIA  
NJ RA #A1 09827100

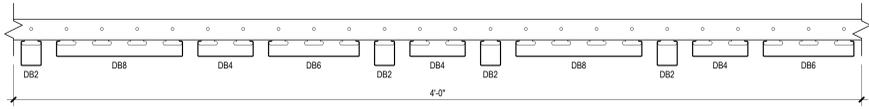
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

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

Sheet Name:  
**BUILDING NO. 2 - ROOF PLAN AT TOP OF TRELLIS AND EQUIPMENT PLATFORM**

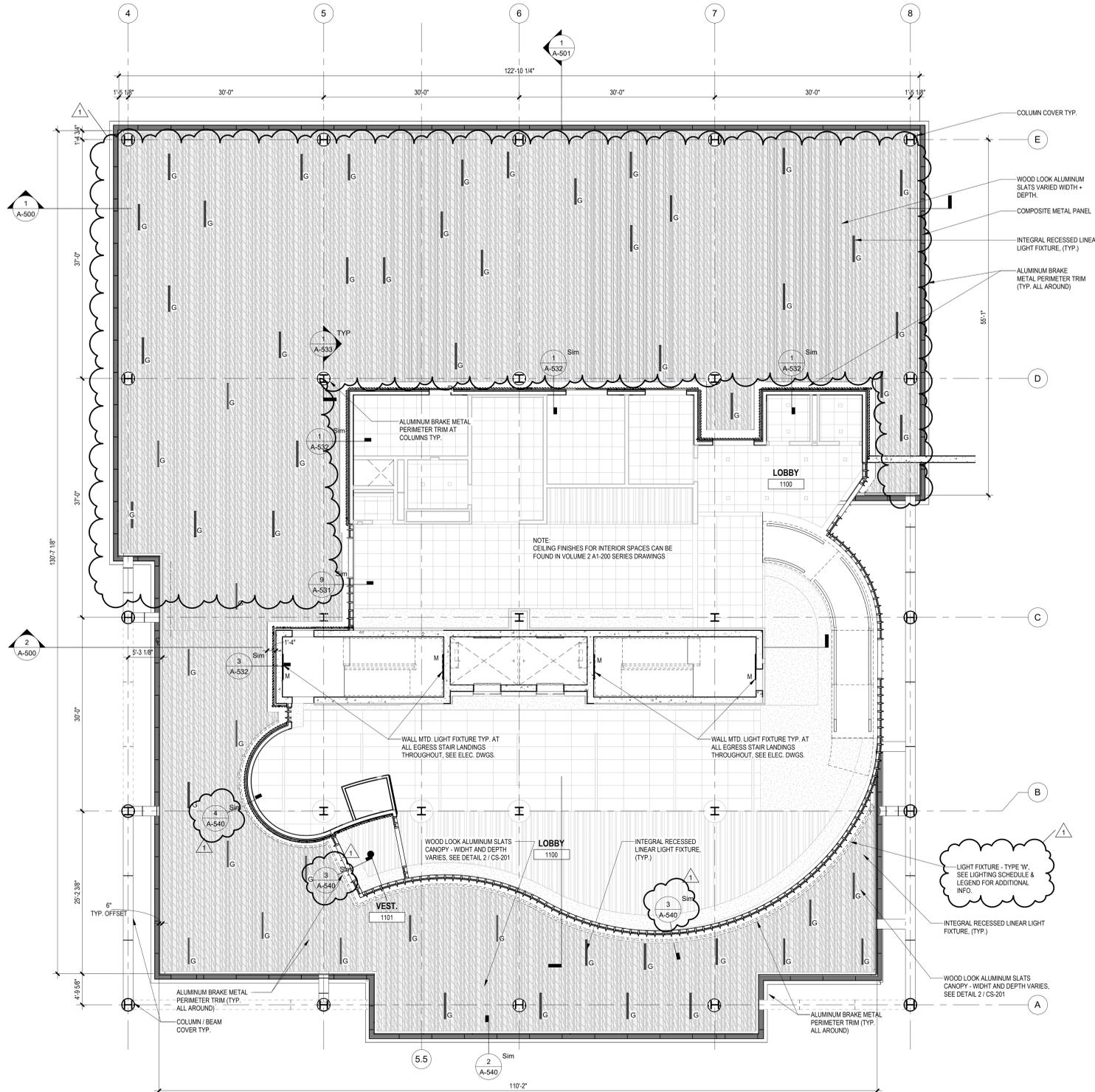
Sheet No:  
**CS-118**



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

### 2 SLATTED SOFFIT PATTERN

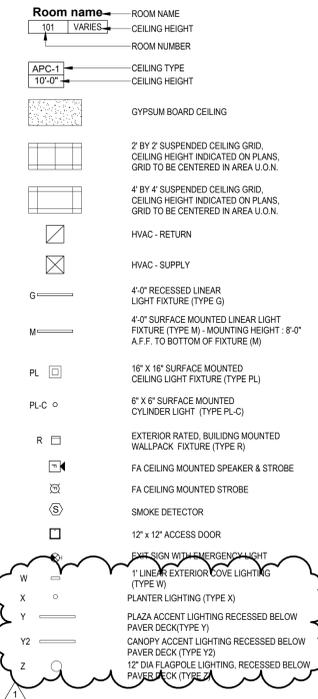
SCALE: 3" = 1'-0"



### 1 BLDG 1 - LEVEL 1 REFLECTED CEILING PLAN

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

### RCP LEGEND



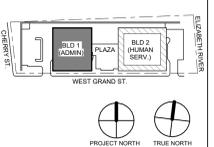
### REFLECTED CEILING PLAN NOTES:

- BORDERS AT LAY-IN ACOUSTICAL CEILING PANELS SHALL BE CUT TO MATCH FACTORY EDGE PROFILE. NO EXPOSED FASTENERS SHALL BE PERMITTED INCLUDING POP RIVETS AND TAPPETS.
- HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN, U.O.N.
- ALL LIGHT FIXTURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. ARCHITECT TO REVIEW CEILING LAYOUT INCLUDING BULKHEADS AND GRID PRIOR TO INSTALLATION.
- LIGHT FIXTURE TYPES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS ARE NOTED FOR QUANTITIES AND LOCATIONS ONLY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SPECIFICATIONS, SWITCHING, EXIT LIGHTS, EMERGENCY LIGHTING, LIFE SAFETY EQUIPMENT AND CIRCUITING.
- MECHANICAL INFORMATION SHOWN ON THIS PLAN IS FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR DIFFUSER LOCATIONS AND FOR ADDITIONAL INFORMATION REGARDING ALL HVAC EQUIPMENT INCLUDING HVAC REGISTERS, GRILLS, ETC.
- DIMENSIONED LIGHT FIXTURES ARE FROM FINISHED FACE OF PARTITIONS TO CENTERLINE OF FIXTURE TO CENTERLINE OF FIXTURE. ANY DISCREPANCIES WITH LOCATION OF LIGHT FIXTURES, SWITCHES, THERMOSTATS, OR DIFFUSERS BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS SHALL BE CLARIFIED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS THAT INCORPORATES ALL TRADES AS REQUIRED BY THE SPECIFICATIONS.
- LIGHT FIXTURES, DIFFUSERS, GRILLES AND ALL OTHER SYSTEM DEVICES SHALL BE LOCATED CENTERED ON CEILING TILES, U.O.N.
- ALL ACOUSTICAL TILE CEILINGS SHALL BE CENTERED WITHIN EACH ROOM U.O.N.
- ALL FLUSH MOUNTED LIGHT FIXTURES MOUNTED WITHIN A GYPSUM BOARD CEILING SHALL BE FITTED WITH FLUSH TRIM.
- WHERE DUCTWORK, CONDUIT, AND PIPING MUST CROSS OPEN CEILINGS, ALL WORK SHALL BE EXECUTED TO PRESENT A NEAT AND MINIMAL APPEARANCE.
- ALL EXPOSED WORK SHALL RUN PARALLEL OR PERPENDICULAR TO STRUCTURE, WITH 90 DEGREE BENDS.
- LOCATE WORK SO AS TO MINIMIZE EXTENT EXPOSED. LOCATE WORK AS CLOSE AS POSSIBLE TO ADJACENT WALLS OR CEILING PLANES.
- PROVIDE ADDITIONAL STRUT SUPPORT SYSTEM TO SUPPORT FIXTURES WHERE LIGHT FIXTURES ARE NOT MOUNTED BELOW STRUCTURAL MEMBERS DO NOT MOUNT TO ROOF DECK, TYP.
- WHERE EXPOSED STRUCTURE IS INDICATED, ALL EXPOSED ROOF DECK, STRUCTURAL STEEL, CONCRETE BEAMS & DECK, PIPES, DUCTS, CONDUITS, ETC. SHALL BE PAINTED TO MATCH CEILING COLOR; SEE FINISH SCHEDULE.
- DOWNLIGHTS SHALL BE SYMMETRICALLY CENTERED IN ACOUSTICAL CEILING TILE AND GYPSUM BOARD CEILINGS U.O.N.
- PROVIDE SOFFIT TRANSITIONS BETWEEN ACT CEILINGS AND GYPSUM BOARD CEILINGS REFER TO A-220 SERIES DRAWINGS IN VOLUME 2.
- FURNISH AN INSTALL ACCESS DOORS IN GYP. BD. CEILINGS AS REQUIRED TO PROVIDE ACCESS TO ABOVE-CEILINGS VAV BOXES, DAMPERS, VALVES, EQUIPMENT, ETC. SEE MEP DRAWINGS FOR LOCATIONS AND SPECIFICATIONS.
- ALL GYP. BD. CEILINGS IN WET AREAS SUCH AS TOILET ROOMS, BATHROOMS, AND JANITORS CLOSETS SHALL RECEIVE MOISTURE AND MOLD RESISTANT GYP. BD. AS PER SPECIFICATIONS.
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING CEILING TYPES.
- SEE SHEET A-220 FOR TYPICAL CEILING DETAILS, U.O.N.
- SEE SPECIFICATIONS SECTION 111200 FOR PARKING CONTROL EQUIPMENT.
- SEE SPECIFICATIONS SECTION 072119 FOR FOAMED-IN-PLACE INSULATION.
- SEE SPECIFICATIONS SECTION 078100 FOR SPRAYED FIRE-RESISTIVE MATERIALS.

### EXTERIOR FINISH NOTES:

- COLUMN / BEAM COVER**  
**BASIS OF DESIGN**  
 MANUFACTURER: CENTRIA  
 PRODUCT: COLUMN COVERS SERIES 3000
- WOOD LOOK ALUMINUM SLATS VARIED WIDTH - DEPTH**  
**BASIS OF DESIGN**  
 MANUFACTURER: CERTAINTED  
 PRODUCT: MULTI BOX CONTINUOUS  
 REFER TO DETAIL 2 / CS-201 FOR ADDITIONAL INFORMATION

### KEY PLAN:



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

**Revisions / Issues**

**DI Group Architecture**  
 ARCHITECTURE FOR CHANGE

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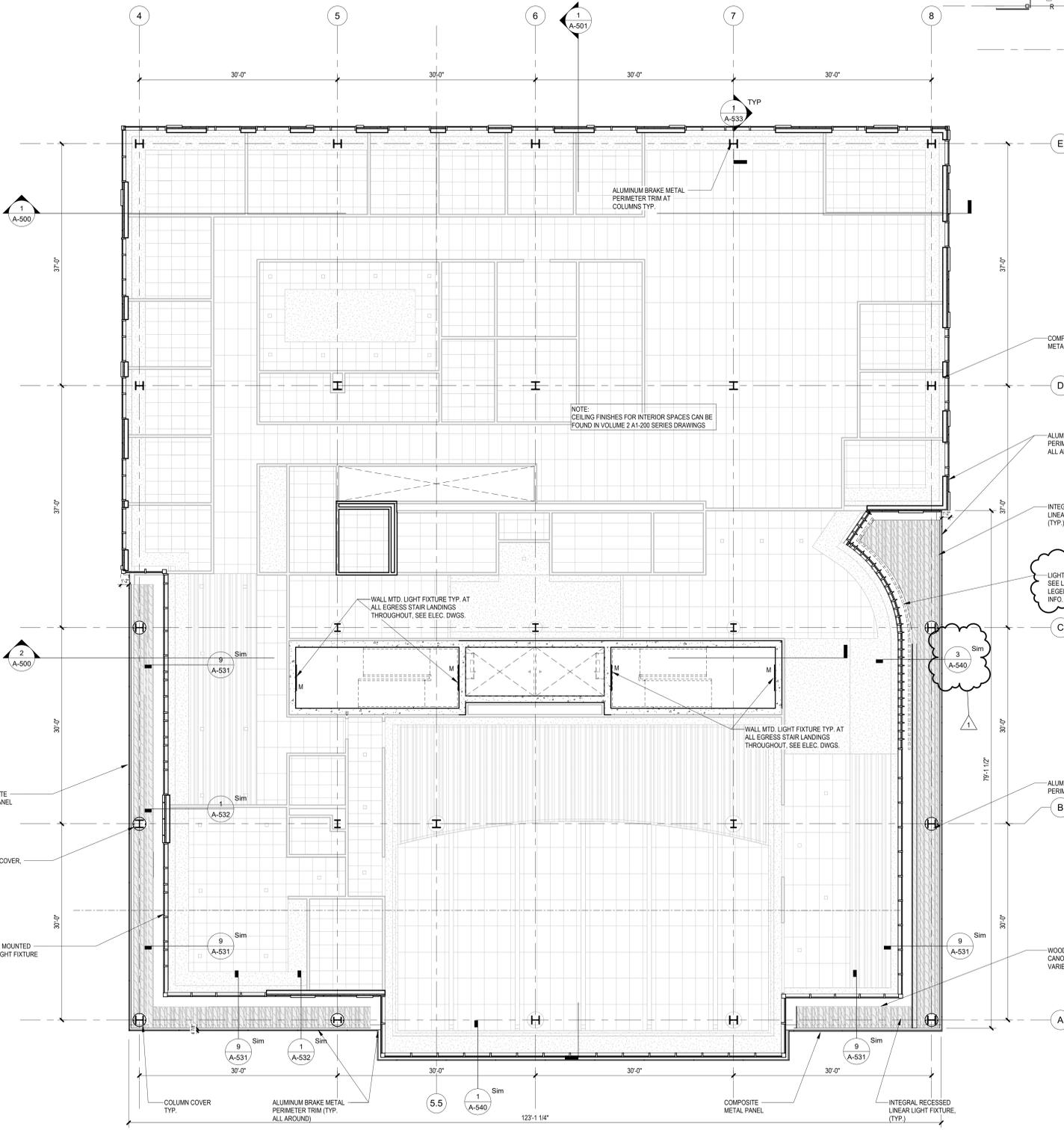
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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 81 & 93 WEST GRAND STREET  
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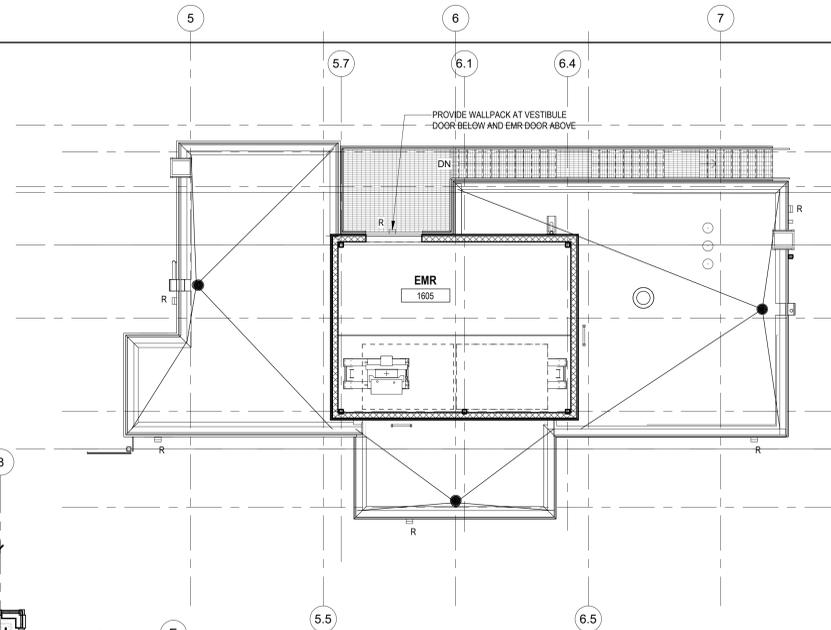
Drawing Information:  
 Project No: 20.072  
 Date: 11.08.2023  
 Drawn By: JB / AV / PC  
 Checked By: JM / SH

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

Sheet No:  
**CS-201**



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



**2 BLDG NO. 1 - PENTHOUSE / EMR CEILING PLAN**  
SCALE: 1/8" = 1'-0"

RCP LEGEND	
Room name	ROOM NAME
101 VARIES	CEILING HEIGHT
C.7	ROOM NUMBER
APC-1	CEILING TYPE
10'-0"	CEILING HEIGHT
C.4	GYPSUM BOARD CEILING
C.2	2 BY 2 SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
C	4 BY 4 SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
□	HVAC - RETURN
□	HVAC - SUPPLY
G	4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
M	4'-0" SURFACE MOUNTED LINEAR LIGHT FIXTURE (TYPE M), MOUNTING HEIGHT: 8'-0" A.F.F. TO BOTTOM OF FIXTURE (M)
B.5	16" X 16" SURFACE MOUNTED CEILING LIGHT FIXTURE (TYPE PL)
PL-C	8" X 8" SURFACE MOUNTED CYLINDER LIGHT (TYPE PL-C)
R	EXTERIOR RATED, BUILDING MOUNTED WALLPACK FIXTURE (TYPE R)
□	FA CEILING MOUNTED SPEAKER & STROBE
□	FA CEILING MOUNTED STROBE
□	SMOKE DETECTOR
□	12' x 12' ACCESS DOOR
□	SOFFIT MOUNTED EMERGENCY LIGHT
W	1' LINEAR EXTERIOR COVE LIGHTING (TYPE W)
X	PLANTER LIGHTING (TYPE X)
Y	PLAZA ACCENT LIGHTING RECESSED BELOW PAVER DECK (TYPE Y)
Y2	CANOPY ACCENT LIGHTING RECESSED BELOW PAVER DECK (TYPE Y2)
Z	12" DIA. POLE LIGHTING, RECESSED BELOW PAVER DECK (TYPE Z)

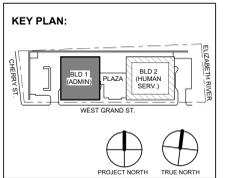
**REFLECTED CEILING PLAN NOTES:**

- A. BORDERS AT LAY-IN ACOUSTICAL CEILING PANELS SHALL BE CUT TO MATCH FACTORY EDGE PROFILE. NO EXPOSED FASTENERS SHALL BE PERMITTED INCLUDING POP RIVETS AND TAPETS.
- B. HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN, U.O.N.
- C. ALL LIGHT FIXTURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. ARCHITECT TO REVIEW CEILING LAYOUT INCLUDING BULKHEADS AND GRID PRIOR TO INSTALLATION.
- D. LIGHT FIXTURE TYPES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS ARE NOTED FOR QUANTITIES AND LOCATIONS ONLY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SPECIFICATIONS, SWITCHING, EXIT LIGHTS, EMERGENCY LIGHTING, LIFE SAFETY EQUIPMENT AND CIRCUITING.
- E. MECHANICAL INFORMATION SHOWN ON THIS PLAN IS FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR DIFFUSER LOCATIONS AND FOR ADDITIONAL INFORMATION REGARDING ALL HVAC EQUIPMENT INCLUDING HVAC REGISTERS, GRILLS, ETC.
- F. DIMENSIONED LIGHT FIXTURES ARE FROM FINISHED FACE OF PARTITIONS TO CENTERLINE OF FIXTURE TO CENTERLINE OF FIXTURE. ANY DISCREPANCIES WITH LOCATION OF LIGHT FIXTURES, SWITCHES, THERMOSTATS, OR DIFFUSERS BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS SHALL BE CLARIFIED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- G. THE CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS THAT INCORPORATES ALL TRADES AS REQUIRED BY THE SPECIFICATIONS.
- H. LIGHT FIXTURES, DIFFUSERS, GRILLS AND ALL OTHER SYSTEM DEVICES SHALL BE LOCATED CENTERED ON CEILING TILES, U.O.N.
- I. ALL ACOUSTICAL TILE CEILINGS SHALL BE CENTERED WITHIN EACH ROOM U.O.N.
- J. ALL FLUSH MOUNTED LIGHT FIXTURES MOUNTED WITHIN A GYPSUM BOARD CEILING SHALL BE FITTED WITH FLUSH TRIM.
- K. WHERE DUCTWORK, CONDUIT, AND PIPING MUST CROSS OPEN CEILINGS, ALL WORK SHALL BE EXECUTED TO PRESENT A NEAT AND MINIMAL APPEARANCE.
- L. ALL EXPOSED WORK SHALL RUN PARALLEL OR PERPENDICULAR TO STRUCTURE, WITH 90 DEGREE BENDS.
- M. LOCATE WORK SO AS TO MINIMIZE EXPOSED. LOCATE WORK AS CLOSE AS POSSIBLE TO ADJACENT WALLS OR CEILINGS PLANES.
- N. PROVIDE ADDITIONAL STRUT SUPPORT SYSTEM TO SUPPORT FIXTURES WHERE LIGHT FIXTURES ARE NOT MOUNTED BELOW STRUCTURAL MEMBERS DO NOT MOUNT TO ROOF DECK, TYP.
- O. WHERE EXPOSED STRUCTURE IS INDICATED, ALL EXPOSED ROOF DECK, STRUCTURAL STEEL, CONCRETE BEAMS & DECK, PIPES, DUCTS, CONDUITS, ETC. SHALL BE PAINTED TO MATCH CEILING COLOR. SEE FINISH SCHEDULE.
- P. DOWNLIGHTS SHALL BE SYMMETRICALLY CENTERED IN ACOUSTICAL CEILING TILE AND GYPSUM BOARD CEILINGS U.O.N.
- Q. PROVIDE SOFFIT TRANSITIONS BETWEEN ACT CEILINGS AND GYPSUM BOARD CEILINGS REFER TO A-220 SERIES DRAWINGS IN VOLUME 2
- R. FURNISH AN INSTALL ACCESS DOORS IN GYP. BD. CEILINGS AS REQUIRED TO PROVIDE ACCESS TO ABOVE-CEILINGS VAV BOXES, DAMPERS, VALVES, EQUIPMENT, ETC. SEE MEP DRAWINGS FOR LOCATIONS AND SPECIFICATIONS.
- S. ALL GYP. BD. CEILINGS IN WET AREAS SUCH AS TOILET ROOMS, BATHROOMS, AND JANITORS CLOSETS SHALL RECEIVE MOISTURE AND MOLD RESISTANT GYP. BD. AS PER SPECIFICATIONS.
- T. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING CEILING TYPES.
- U. SEE SHEET A-220 FOR TYPICAL CEILING DETAILS, U.O.N.
- V. SEE SPECIFICATIONS SECTION 111200 FOR PARKING CONTROL EQUIPMENT.
- W. SEE SPECIFICATIONS SECTION 072119 FOR FOAMED-IN-PLACE INSULATION.
- X. SEE SPECIFICATIONS SECTION 078100 FOR SPRAYED FIRE-RESISTIVE MATERIALS.

**EXTERIOR FINISH NOTES:**

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

**WOOD LOOK ALUMINUM SLATS VARIED WIDTH + DEPTH**  
BASIS OF DESIGN  
MANUFACTURER: CERTAINTED  
PRODUCT: MULTI BOX CONTINUOUS  
REFER TO DETAIL 2 / CS-201 FOR ADDITIONAL INFORMATION



No.	Date	Description
1	12.01.2023	Addendum No. 01
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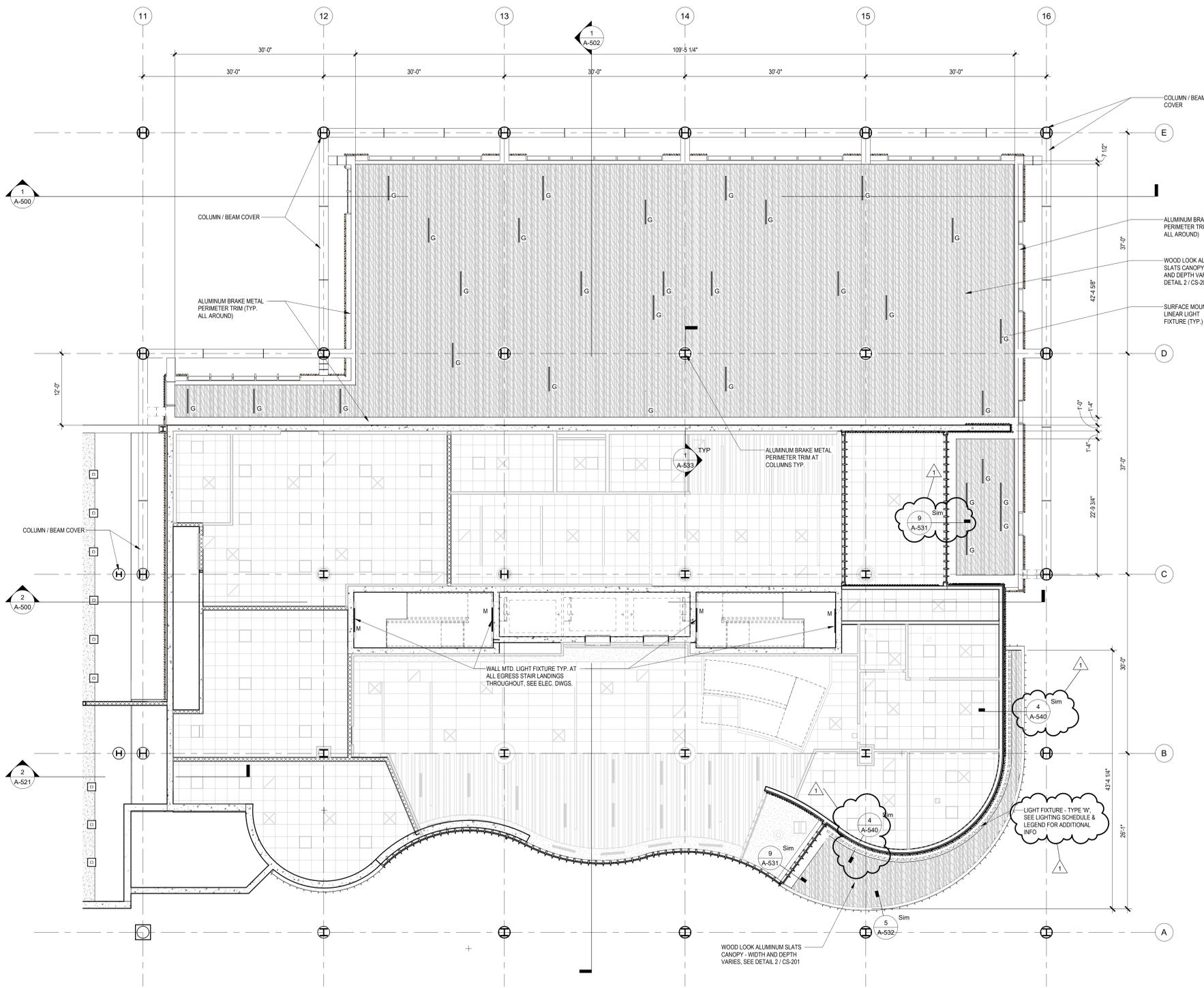
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

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

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

Sheet No:  
**CS-202**



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

### RCP LEGEND

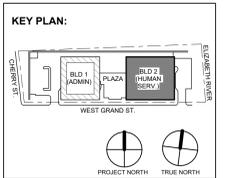
<b>Room name</b>	ROOM NAME
101	CEILING HEIGHT
VARIABLE	ROOM NUMBER
APC-1	CEILING TYPE
10'-0"	CEILING HEIGHT
[Pattern]	GYPSUM BOARD CEILING
[Pattern]	2 BY 2 SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
[Pattern]	4 BY 4 SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
[Symbol]	HVAC - RETURN
[Symbol]	HVAC - SUPPLY
G	4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
M	4'-0" SURFACE MOUNTED LINEAR LIGHT FIXTURE (TYPE M), MOUNTING HEIGHT: 8'-0" A.F.F. TO BOTTOM OF FIXTURE (M)
PL	16" X 16" SURFACE MOUNTED CEILING LIGHT FIXTURE (TYPE PL)
PL-C	8" X 8" SURFACE MOUNTED CYLINDER LIGHT (TYPE PL-C)
R	EXTERIOR RATED, BUILDING MOUNTED WALLPACK FIXTURE (TYPE R)
[Symbol]	FA CEILING MOUNTED SPEAKER & STROBE
[Symbol]	FA CEILING MOUNTED STROBE
[Symbol]	SMOKE DETECTOR
[Symbol]	12' x 12' ACCESS DOOR
[Symbol]	SOFFIT SINK WITH EMERGENCY LIGHT
W	1' LINEAR EXTERIOR COVE LIGHTING (TYPE W)
X	PLANTER LIGHTING (TYPE X)
Y	PLAZA ACCENT LIGHTING RECESSED BELOW PAVER DECK (TYPE Y)
Z	CANOPY ACCENT LIGHTING RECESSED BELOW PAVER DECK (TYPE Z)
[Symbol]	12" DIA. POLE LIGHTING, RECESSED BELOW PAVER DECK (TYPE Z)

### REFLECTED CEILING PLAN NOTES:

- BORDERS AT LAY-IN ACOUSTICAL CEILING PANELS SHALL BE CUT TO MATCH FACTORY EDGE PROFILE. NO EXPOSED FASTENERS SHALL BE PERMITTED INCLUDING POP RIVETS AND TAPSETS.
- HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN, UNLESS NOTED OTHERWISE.
- ALL LIGHT FIXTURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. ARCHITECT TO REVIEW CEILING LAYOUT INCLUDING BULKHEADS AND GRID PRIOR TO INSTALLATION.
- LIGHT FIXTURES TYPES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS ARE NOTED FOR QUANTITIES AND LOCATIONS ONLY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SPECIFICATIONS, SWITCHING, EXIT LIGHTS, EMERGENCY LIGHTING, LIFE SAFETY EQUIPMENT AND CIRCUITING.
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- WHERE DUCTWORK, CONDUIT, AND PIPING MUST CROSS OPEN CEILINGS, ALL WORK SHALL BE EXECUTED TO PRESENT A NEAT AND MINIMAL APPEARANCE.
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- DOWNLIGHTS SHALL BE SYMMETRICALLY CENTERED IN ACOUSTICAL CEILING TILE AND GYPSUM BOARD CEILINGS U.O.N.
- REFER TO A-220 SERIES DRAWINGS IN VOLUME 2.
- FURNISH AN INSTALL ACCESS DOORS IN GYP. BD. CEILINGS AS REQUIRED TO PROVIDE ACCESS TO ABOVE-CEILING VAV BOXES, DAMPERS, VALVES, EQUIPMENT, ETC. SEE MEP DRAWINGS FOR LOCATIONS AND SPECIFICATIONS.
- ALL GYP. BD. CEILINGS IN WET AREAS SUCH AS TOILET ROOMS, BATHROOMS, AND JANITORS CLOSETS SHALL RECEIVE MOISTURE AND MOLD RESISTANT GYP. BD. AS PER SPECIFICATIONS.
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING CEILING TYPES.
- SEE SHEET A-220 FOR TYPICAL CEILING DETAILS, U.O.N.
- SEE SPECIFICATIONS SECTION 111200 FOR PARKING CONTROL EQUIPMENT.
- SEE SPECIFICATIONS SECTION 072119 FOR FOAMED-IN-PLACE INSULATION.
- SEE SPECIFICATIONS SECTION 078100 FOR SPRAYED FIRE-RESISTIVE MATERIALS.

### EXTERIOR FINISH NOTES:

<b>COLUMN / BEAM COVER</b>
<b>BASIS OF DESIGN</b>
MANUFACTURER: CENTRIA
PRODUCT: COLUMN COVERS SERIES 3000
<b>WOOD LOOK ALUMINUM SLATS VARIED WIDTH + DEPTH</b>
<b>BASIS OF DESIGN</b>
MANUFACTURER: CERTAINTED
PRODUCT: MUL-TI BOX CONTINUOUS
REFER TO DETAIL 2 / CS-201 FOR ADDITIONAL INFORMATION



1	12.01.2023	Addendum No. 01
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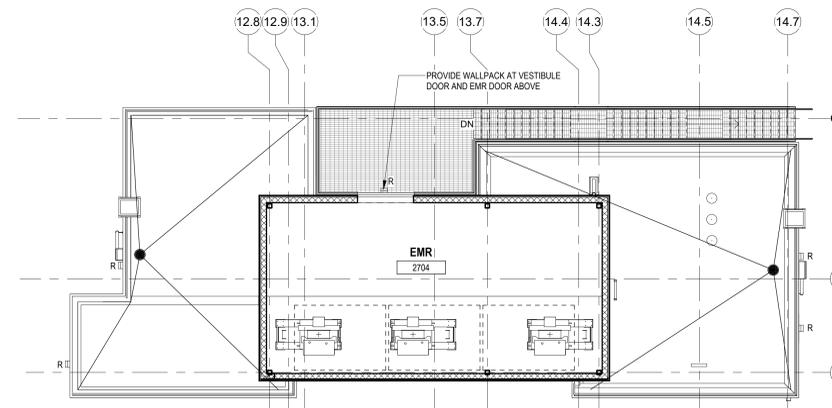
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81 & 93 WEST GRAND STREET  
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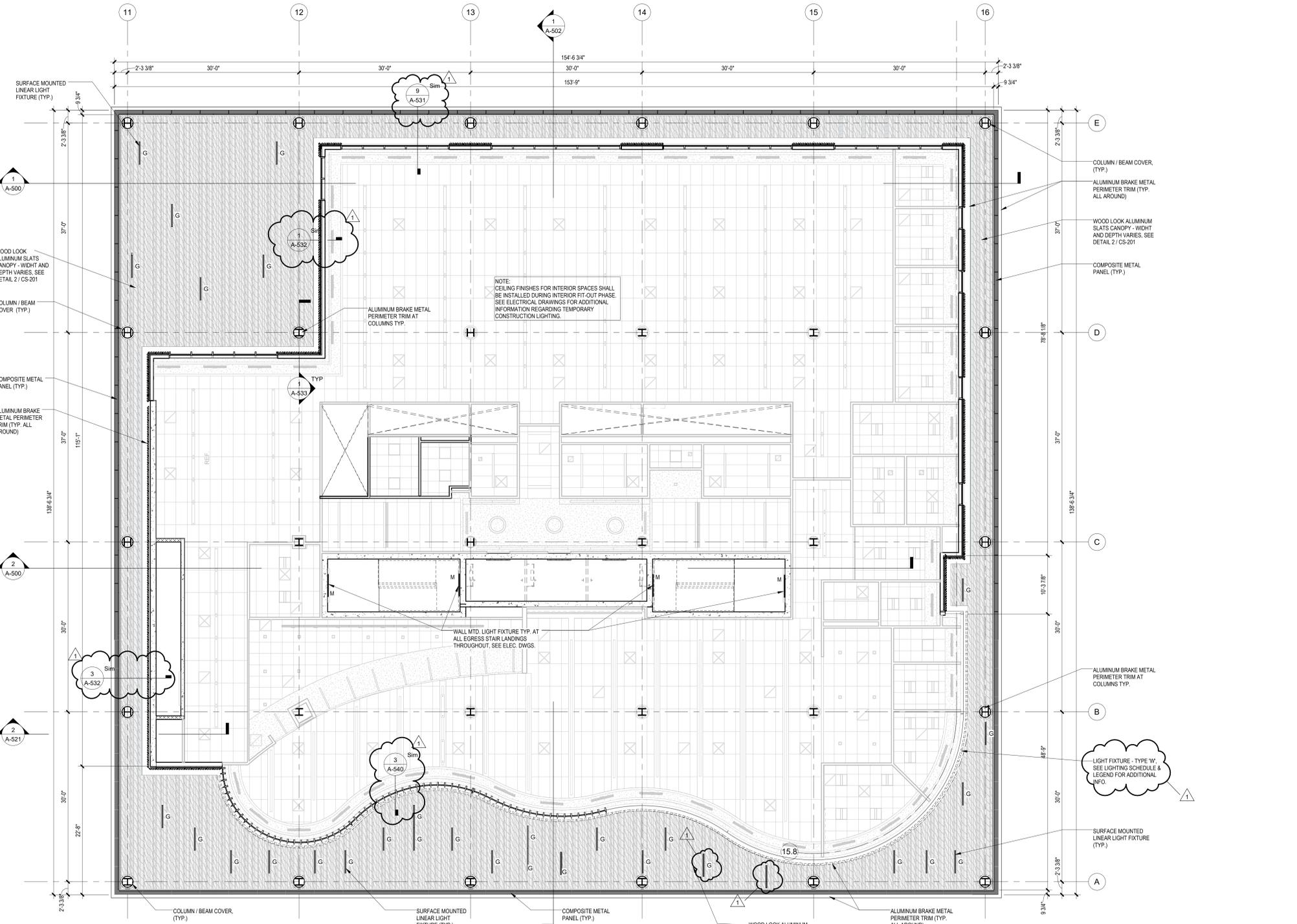
Sheet Name:  
**BUILDING NO. 2 - LEVEL 0 - GROUND FLOOR REFLECTED SOFFIT PLAN**

Sheet No:  
**CS-210**



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

RCP LEGEND	
Room name	ROOM NAME
101	CEILING HEIGHT
VARIES	ROOM NUMBER
APC-1	CEILING TYPE
10'-0"	CEILING HEIGHT
[Symbol]	GYPSUM BOARD CEILING
[Symbol]	2' BY 2' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
[Symbol]	4' BY 4' SUSPENDED CEILING GRID, CEILING HEIGHT INDICATED ON PLANS, GRID TO BE CENTERED IN AREA U.O.N.
[Symbol]	HVAC - RETURN
[Symbol]	HVAC - SUPPLY
G	4'-0" RECESSED LINEAR LIGHT FIXTURE (TYPE G)
M	4'-0" SURFACE MOUNTED LINEAR LIGHT FIXTURE (TYPE M) - MOUNTING HEIGHT: 8'-0" A.F.F. TO BOTTOM OF FIXTURE (M)
PL	18" X 16" SURFACE MOUNTED CEILING LIGHT FIXTURE (TYPE PL)
PL-C	6" X 6" SURFACE MOUNTED CYLINDER LIGHT (TYPE PL-C)
R	EXTERIOR RATED, BUILDING MOUNTED WALLPACK FIXTURE (TYPE R)
[Symbol]	FA CEILING MOUNTED SPEAKER & STROBE
[Symbol]	FA CEILING MOUNTED STROBE
[Symbol]	SMOKE DETECTOR
[Symbol]	12" X 12" ACCESS DOOR
[Symbol]	EXIT SIGN WITH EMERGENCY LIGHT
W	1" LINEAR EXTERIOR COVE LIGHTING (TYPE W)
Y	PLANTER LIGHTING (TYPE Y)
Z	PLAZA ACCENT LIGHTING RECESSED BELOW PAVER DECK (TYPE Z)
Z1	CANOPY ACCENT LIGHTING RECESSED BELOW PAVER DECK (TYPE Z1)
Z2	NO PLANTER LIGHTING RECESSED BELOW PAVER DECK (TYPE Z2)



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

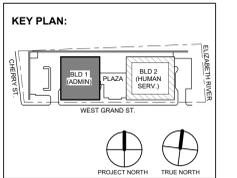
**REFLECTED CEILING PLAN NOTES:**

- A. BORDERS AT LAY-IN ACOUSTICAL CEILING PANELS SHALL BE CUT TO MATCH FACTORY EDGE PROFILE. NO EXPOSED FASTENERS SHALL BE PERMITTED INCLUDING POP RIVETS AND TAPSETS.
- B. HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN U.O.N.
- C. ALL LIGHT FIXTURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. ARCHITECT TO REVIEW CEILING LAYOUT INCLUDING BULKHEADS AND GRID PRIOR TO INSTALLATION.
- D. LIGHT FIXTURES TYPES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS ARE NOTED FOR QUANTITIES AND LOCATIONS ONLY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SPECIFICATIONS, SWITCHING, EXIT LIGHTS, EMERGENCY LIGHTING, LIFE SAFETY EQUIPMENT AND CIRCUITING.
- E. MECHANICAL INFORMATION SHOWN ON THIS PLAN IS FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR DIFFUSER LOCATIONS AND FOR ADDITIONAL INFORMATION REGARDING ALL HVAC EQUIPMENT INCLUDING HVAC REGISTERS, GRILLS, ETC.
- F. DIMENSIONED LIGHT FIXTURES ARE FROM FINISHED FACE OF PARTITIONS TO CENTERLINE OF FIXTURE. ANY DISCREPANCIES WITH LOCATION OF LIGHT FIXTURES, SWITCHES, THERMOSTATS, OR DIFFUSERS BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS SHALL BE CLARIFIED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- G. THE CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS THAT INCORPORATES ALL TRADES AS REQUIRED BY THE SPECIFICATIONS.
- H. LIGHT FIXTURES DIFFUSERS, GRILLS AND ALL OTHER SYSTEM DEVICES SHALL BE LOCATED CENTERED ON CEILING TILES, U.O.N.
- I. ALL ACOUSTICAL TILE CEILINGS SHALL BE CENTERED WITHIN EACH ROOM U.O.N.
- J. ALL FLUSH MOUNTED LIGHT FIXTURES MOUNTED WITHIN A GYPSUM BOARD CEILING SHALL BE FITTED WITH FLUSH TRIM.
- K. WHERE DUCTWORK, CONDUIT, AND PIPING MUST CROSS OPEN CEILINGS, ALL WORK SHALL BE EXECUTED TO PRESENT A NEAT AND MINIMAL APPEARANCE.
- L. ALL EXPOSED WORK SHALL RUN PARALLEL OR PERPENDICULAR TO STRUCTURE, WITH 90 DEGREE BENDS.
- M. LOCATE WORK SO AS TO MINIMIZE EXTENT EXPOSED. LOCATE WORK AS CLOSE AS POSSIBLE TO ADJACENT WALLS OR CEILING PLANES.
- N. PROVIDE ADDITIONAL STRUT SUPPORT SYSTEM TO SUPPORT FIXTURES WHERE LIGHT FIXTURES ARE NOT MOUNTED BELOW STRUCTURAL MEMBERS DO NOT MOUNT TO ROOF DECK, TYP.
- O. WHERE EXPOSED STRUCTURE IS INDICATED, ALL EXPOSED ROOF DECK, STRUCTURAL STEEL, CONCRETE BEAMS & DECK, PIPES, DUCTS, CONDUITS, ETC. SHALL BE PAINTED TO MATCH CEILING COLOR, SEE FINISH SCHEDULE.
- P. DOWNLIGHTS SHALL BE SYMMETRICALLY CENTERED IN ACOUSTICAL CEILING TILE AND GYPSUM BOARD CEILINGS U.O.N.
- Q. PROVIDE SOFFIT TRANSITIONS BETWEEN ACT CEILINGS AND GYPSUM BOARD CEILINGS REFER TO A-220 SERIES DRAWINGS IN VOLUME 2.
- R. FURNISH AN INSTALL ACCESS DOORS IN GYP. BD. CEILINGS AS REQUIRED TO PROVIDE ACCESS TO ABOVE-CEILING VAV BOXES, DAMPERS, VALVES, EQUIPMENT, ETC. SEE MEP DRAWINGS FOR LOCATIONS AND SPECIFICATIONS.
- S. ALL GYP. BD. CEILINGS IN WET AREAS SUCH AS TOILET ROOMS, BATHROOMS, AND JANITORS CLOSETS SHALL RECEIVE MOISTURE AND MOLD RESISTANT GYP. BD. AS PER SPECIFICATIONS.
- T. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING CEILING TYPES.
- U. SEE SHEET A-220 FOR TYPICAL CEILING DETAILS, U.O.N.
- V. SEE SPECIFICATIONS SECTION 111200 FOR PARKING CONTROL EQUIPMENT.
- W. SEE SPECIFICATIONS SECTION 072119 FOR FOAMED-IN-PLACE INSULATION.
- X. SEE SPECIFICATIONS SECTION 078100 FOR SPRAYED FIRE-RESISTIVE MATERIALS.

**EXTERIOR FINISH NOTES:**

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

**WOOD LOOK ALUMINUM SLATS VARIED WIDTH - DEPTH**  
BASIS OF DESIGN  
MANUFACTURER: CERTANTEED  
PRODUCT: MULTI BOX CONTINUOUS  
REFER TO DETAIL 2 / CS-201 FOR ADDITIONAL INFORMATION



No.	Date	Description
1	12.01.2023	Addendum No. 01 For Public Bid
2	11.08.2023	Revisions / Issues

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

Jeffrey D. Venezia, AIA  
NJ RA AI 09827100

Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

Drawing Information:  
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Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

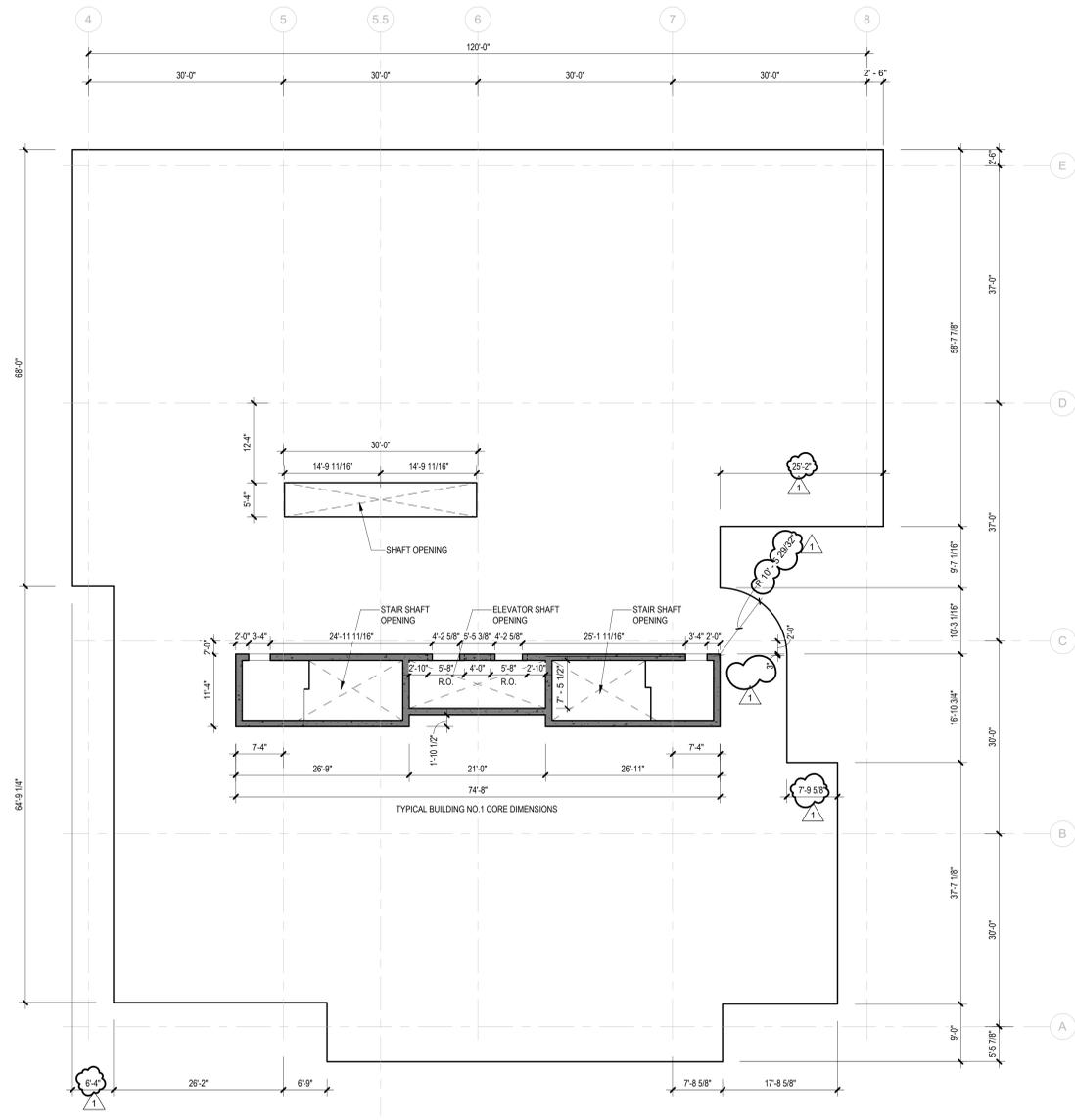
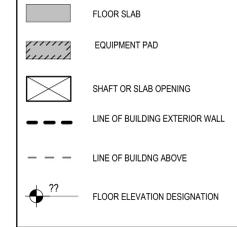
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**BUILDING NO. 2 - LEVEL 1 - REFLECTED CEILING PLAN**

Sheet No:  
**CS-211**

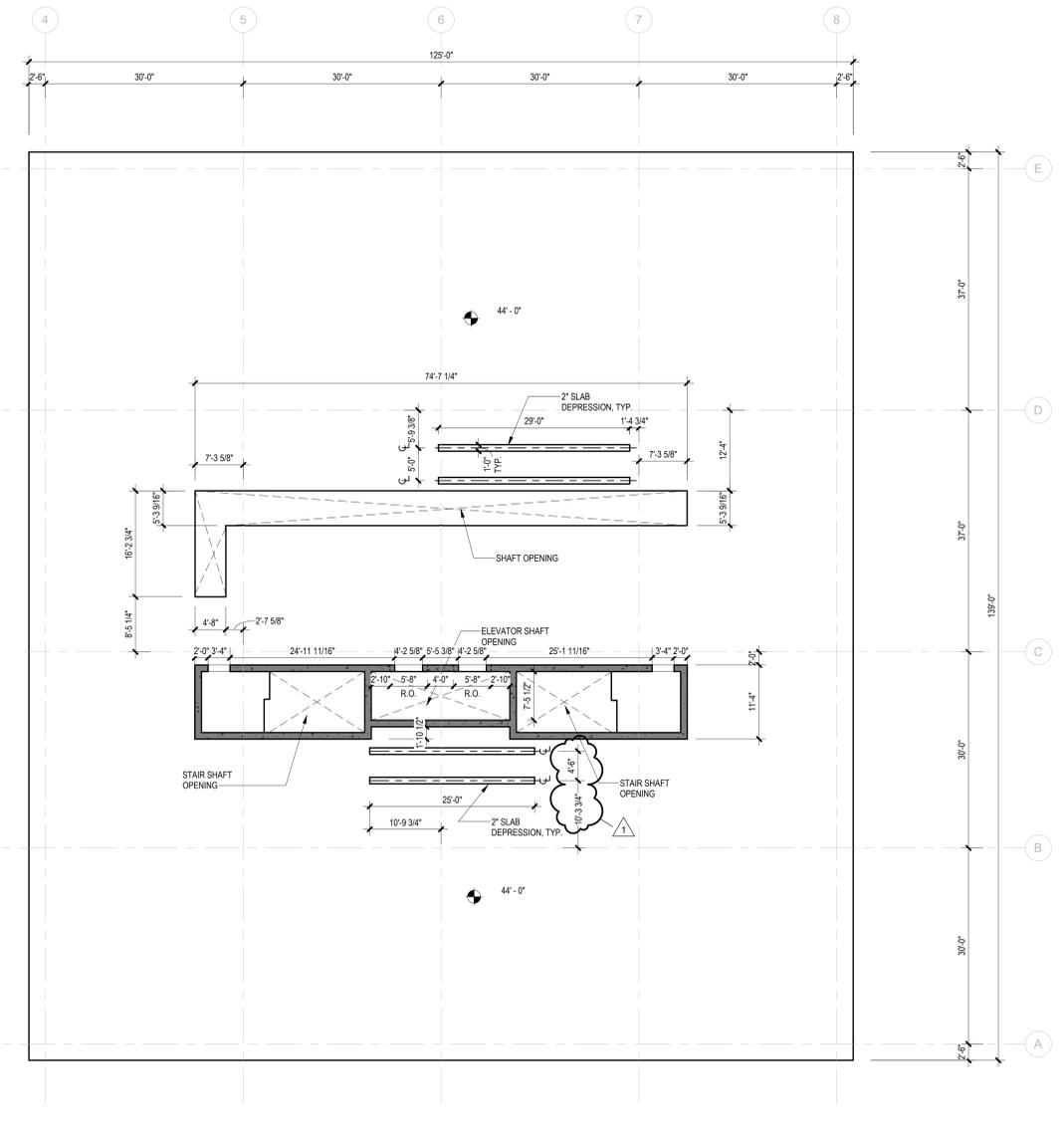
GENERAL NOTES:

- A. SEE DRAWINGS A-505 AND A-506 FOR CROSS SECTIONS THRU VARIATIONS OF SLOPING CONCRETE SLAB PARKING DECK.
- B. SEE DRAWING A-536 FOR ALL SITE DETAILS INSTALLED OVER STRUCTURAL CONCRETE SLAB.
- C. PROVIDE "STYROFOAM HIGHLOAD" EXTRUDED POLYSTYRENE (XPS) FOAM INSULATION WITH A COMPRESSIVE STRENGTH OF 40 PSI AT GENERAL CONCRETE FLOOR SLAB INFILL. SEE SPECIFICATION SECTION 07210 THERMAL INSULATION FOR RAISED SLABS.
- D. PROVIDE "STYROFOAM PLAZAMATE" EXTRUDED POLYSTYRENE (XPS) FOAM INSULATION WITH A COMPRESSIVE STRENGTH OF 30 PSI AT GARAGE AREA CONCRETE FLOOR SLAB INFILL AND FOR INSTALLATION ABOVE WATERPROOFING MEMBRANE AT OUTDOOR PLAZA DECK. SEE SPECIFICATION SECTION 07211 THERMAL INSULATION.
- E. SEE ELECTRIC AND PLUMBING DRAWINGS FOR COORDINATION OF 4" THICK CONCRETE PAD LOCATIONS BELOW EQUIPMENT (SWITCHGEAR, BOILERS, ETC.) COORDINATE FINAL LOCATION OF EQUIPMENT AND SIZE OF CONCRETE PADS WITH MANUFACTURER PRIOR TO CONSTRUCTION. MAINTAIN 4" MINIMUM OF CONCRETE BEYOND EQUIPMENT ALL AROUND.
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- G. SEE PLUMBING DRAWINGS FOR COORDINATION OF VERTICAL PIPING.
- H. SEE MECHANICAL DRAWINGS FOR COORDINATION OF DUCTWORK OPENINGS.
- I. SEE TELE/ DATA DRAWINGS FOR COORDINATION OF LOW VOLTAGE REQUIREMENTS AT ALL MDF / IDF ROOMS AND VERTICAL IT RISER LOCATIONS.
- J. SEE SPECIFICATIONS SECTION 071800 FOR VEHICULAR TRAFFIC COATING.
- K. SEE CIVIL DRAWINGS FOR COORDINATION OF ALL GRADING AT SLOPING CONCRETE PARKING DECK AND WHERE SLOPING CONCRETE PARKING DECK MEETS PAVED SURFACES AND FOUNDATION WALL BELOW. SEE CIVIL DRAWINGS FOR COORDINATION OF ALL GRADING AT SLOPING SIDEWALK AND FLAT BUILDING SLAB.
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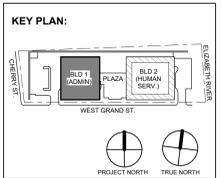
SLAB EDGE LEGEND



1 BLDG 1 - LEVEL 2 SLAB EDGE PLAN  
SCALE: 3/32" = 1'-0"



2 BLDG 1 - LEVEL 3 SLAB EDGE PLAN  
SCALE: 3/32" = 1'-0"



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NEW JERSEY, 07202

Drawing Information:  
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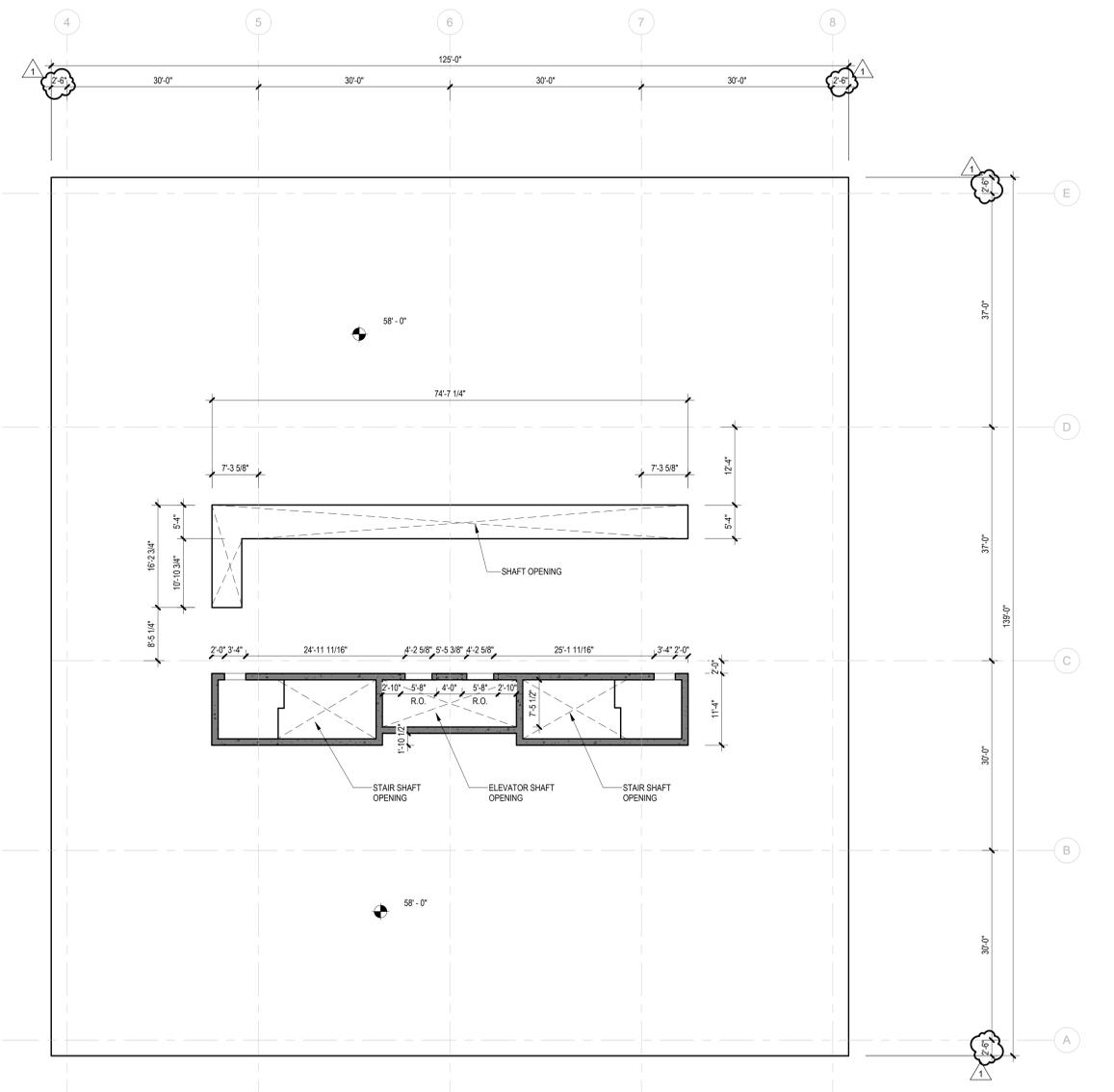
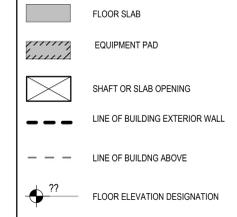
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**BUILDING NO. 1 SLAB EDGE PLANS**

Sheet No:  
**CS-303**

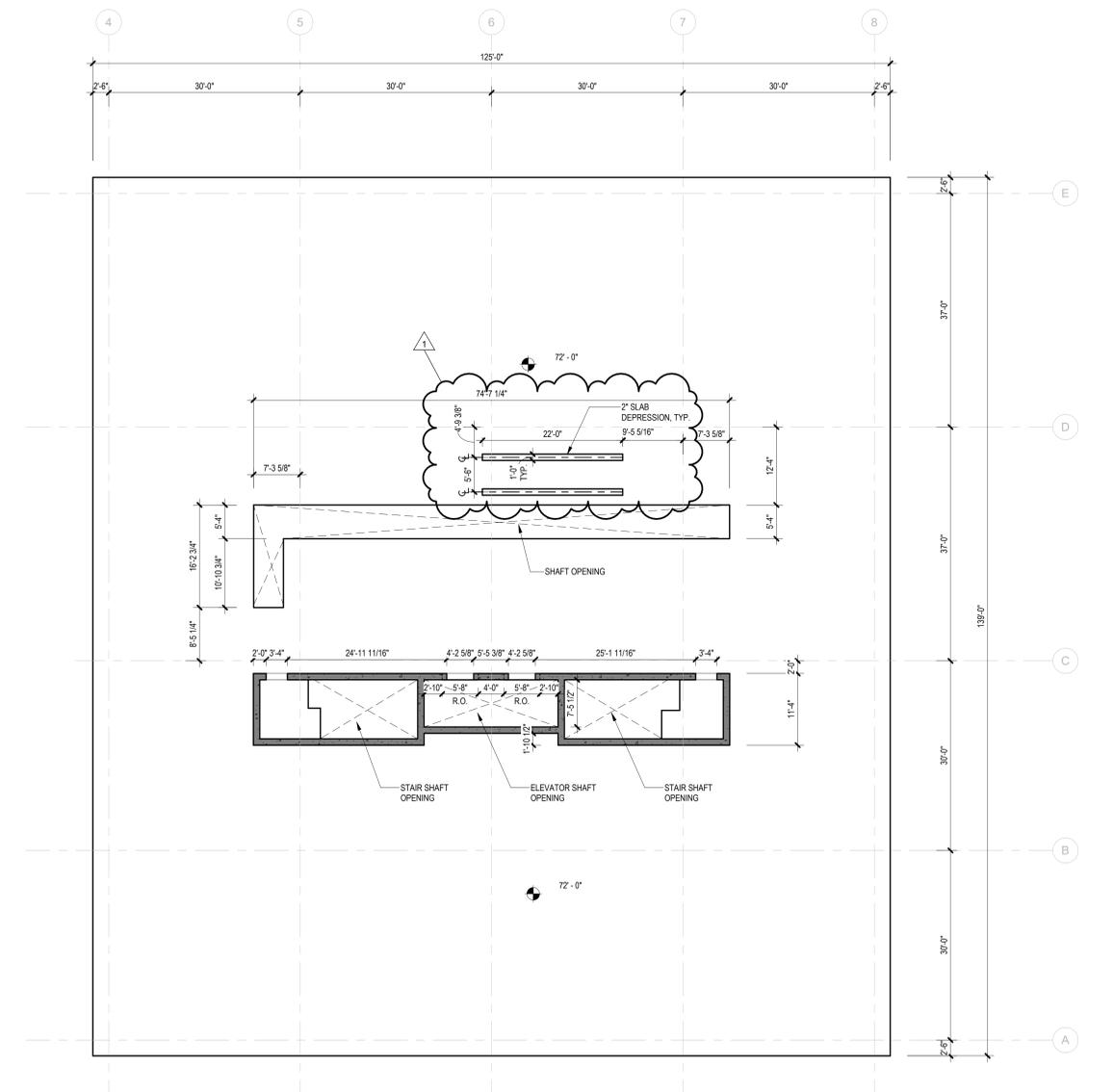
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- H. SEE MECHANICAL DRAWINGS FOR COORDINATION OF DUCTWORK OPENINGS.
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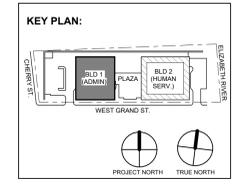
SLAB EDGE LEGEND



1 BLDG 1 - LEVEL 4 SLAB EDGE PLAN  
SCALE: 3/32" = 1'-0"



2 BLDG 1 - LEVEL 5 SLAB EDGE PLAN  
SCALE: 3/32" = 1'-0"



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**Revisions / Issues**

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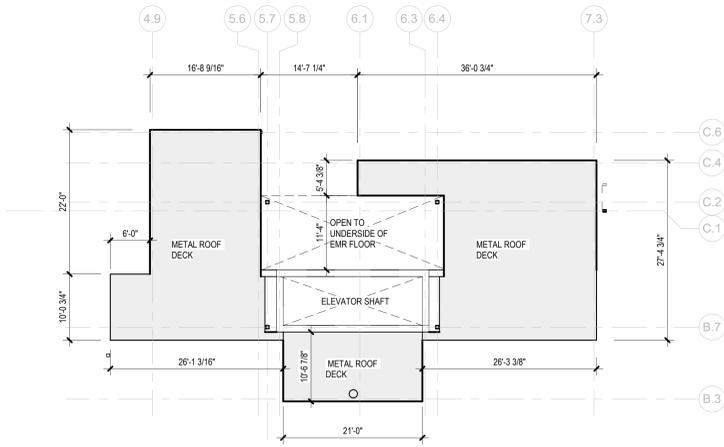
Client:  
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81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
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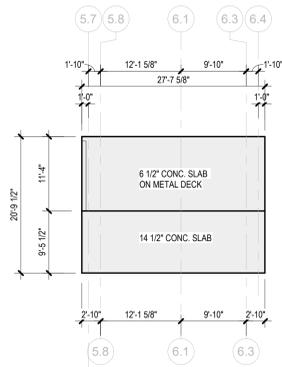
Drawing Information:  
Project No: 20.072  
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Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**BUILDING NO. 1 SLAB EDGE PLANS**

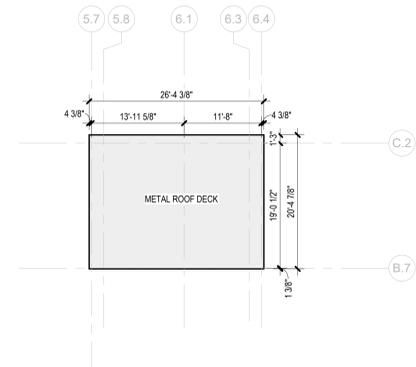
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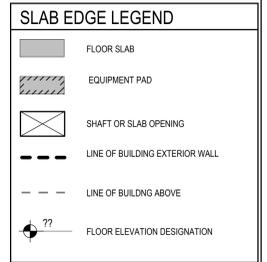
**3 BLDG 1 - PENTHOUSE ROOF METAL DECK EDGE PLAN**  
SCALE: 3/32" = 1'-0"



**4 BLDG 1 - EMR FLOOR SLAB EDGE PLAN**  
SCALE: 3/32" = 1'-0"

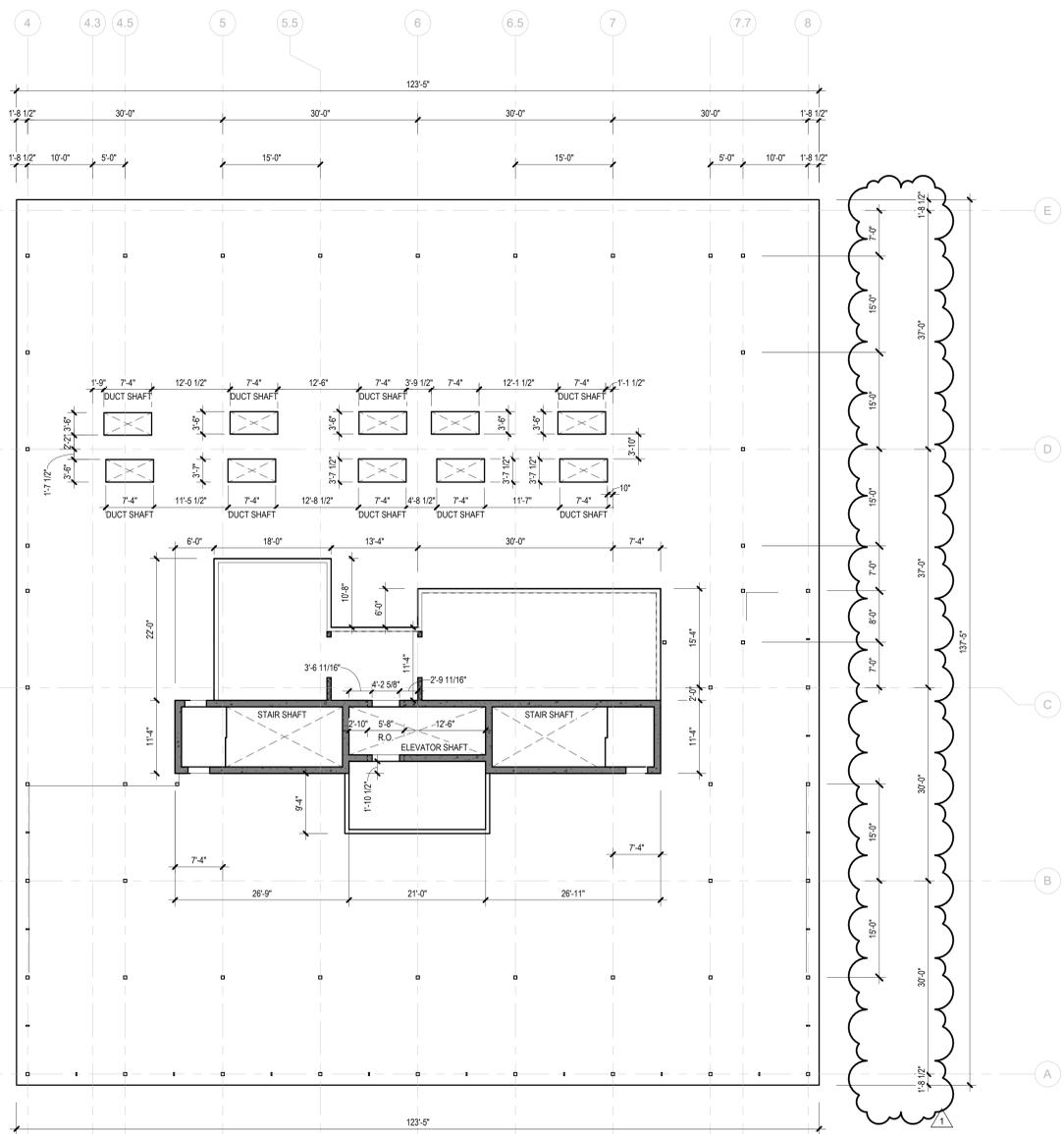
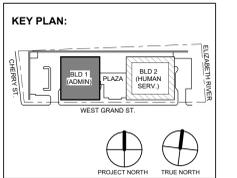


**5 BLDG 1 - EMR - ROOF METAL DECK EDGE PLAN**  
SCALE: 3/32" = 1'-0"

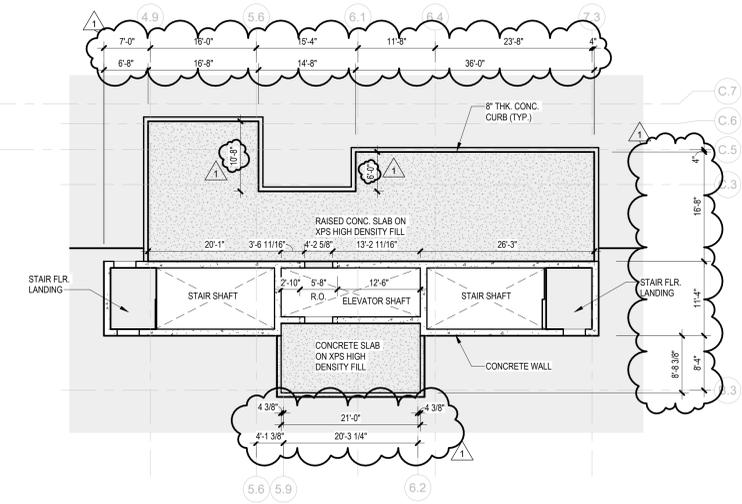


**GENERAL NOTES:**

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- B. SEE DRAWING A-536 FOR ALL SITE DETAILS INSTALLED OVER STRUCTURAL CONCRETE SLAB.
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**1 BLDG 1 - ROOF SLAB EDGE PLAN**  
SCALE: 3/32" = 1'-0"



**2 BLDG 1 - PENTHOUSE FLOOR SLAB EDGE PLAN**  
SCALE: 3/32" = 1'-0"

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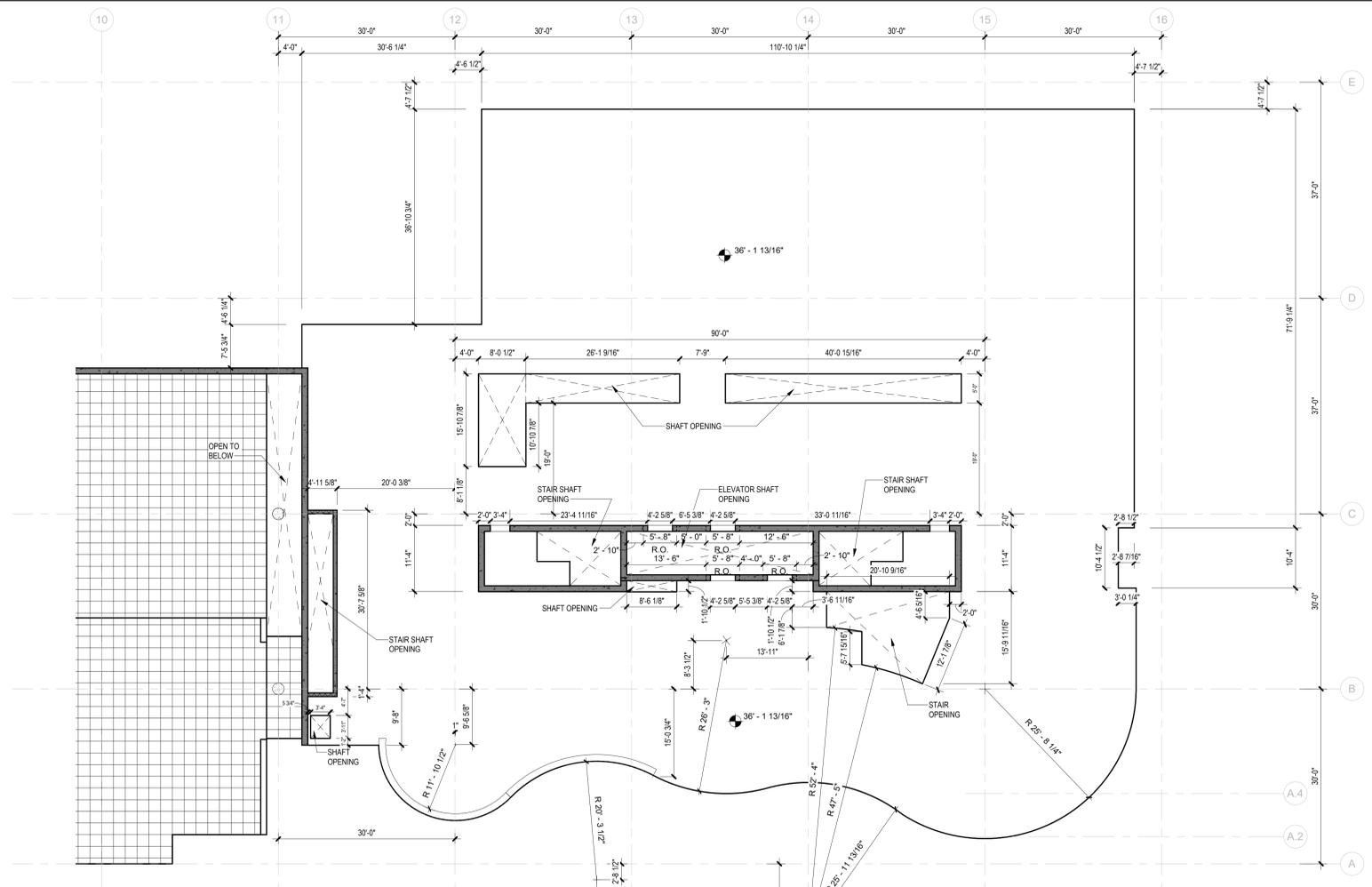
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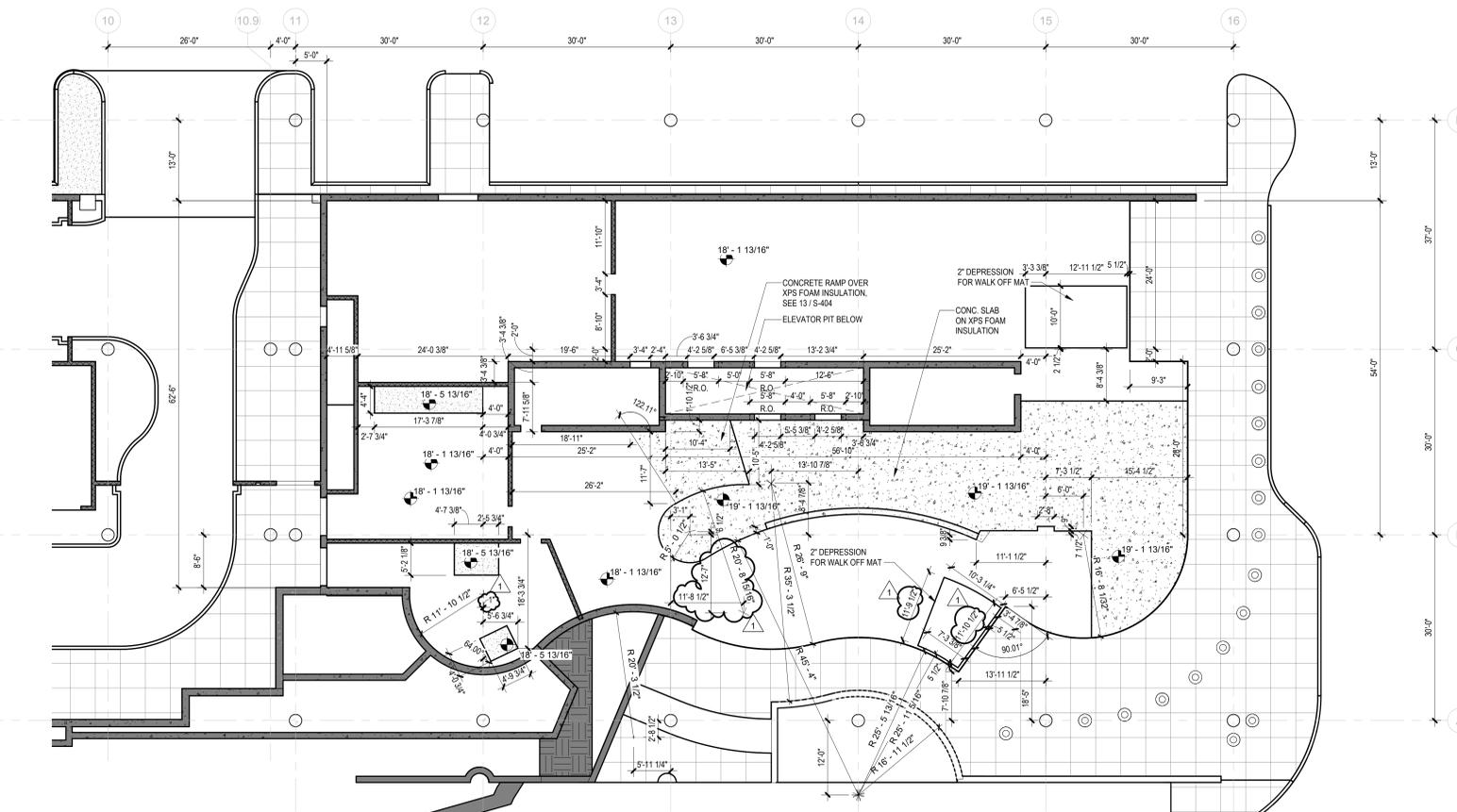
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Project No: 20.072  
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Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**BUILDING NO. 1 SLAB EDGE PLANS**

Sheet No:  
**CS-305**



**2 BLDG 2 - LEVEL 1 SLAB EDGE PLAN**  
SCALE: 3/32" = 1'-0"

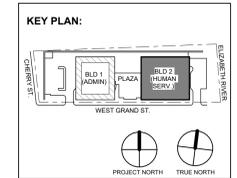


**1 BLDG 2 - LEVEL 0 (GROUND) SLAB EDGE PLAN**  
SCALE: 3/32" = 1'-0"

SLAB EDGE LEGEND	
	FLOOR SLAB
	EQUIPMENT PAD
	SHAFT OR SLAB OPENING
	LINE OF BUILDING EXTERIOR WALL
	LINE OF BUILDING ABOVE
	FLOOR ELEVATION DESIGNATION

**GENERAL NOTES:**

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	11.08.2023	For Public Bid

**Revisions / Issues**

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

Jeffrey D. Venezia, AIA  
NJ RA AI 00827100

Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

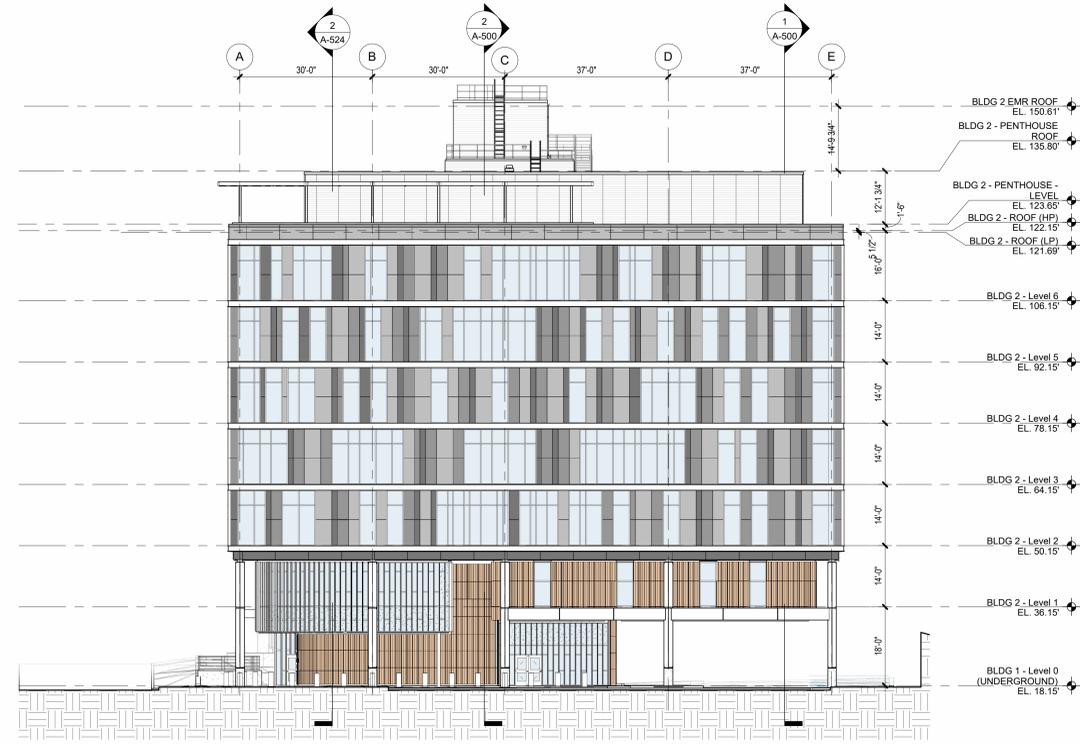
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**BUILDING NO. 2 SLAB EDGE PLANS**

Sheet No:  
**CS-311**



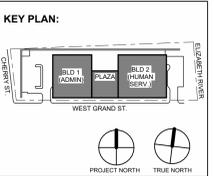
1 BUILDING NO. 1 - EAST  
SCALE: 1/16" = 1'-0"



2 BUILDING NO. 2 - EAST  
SCALE: 1/16" = 1'-0"



3 OVERALL EXTERIOR - NORTH  
SCALE: 1/16" = 1'-0"



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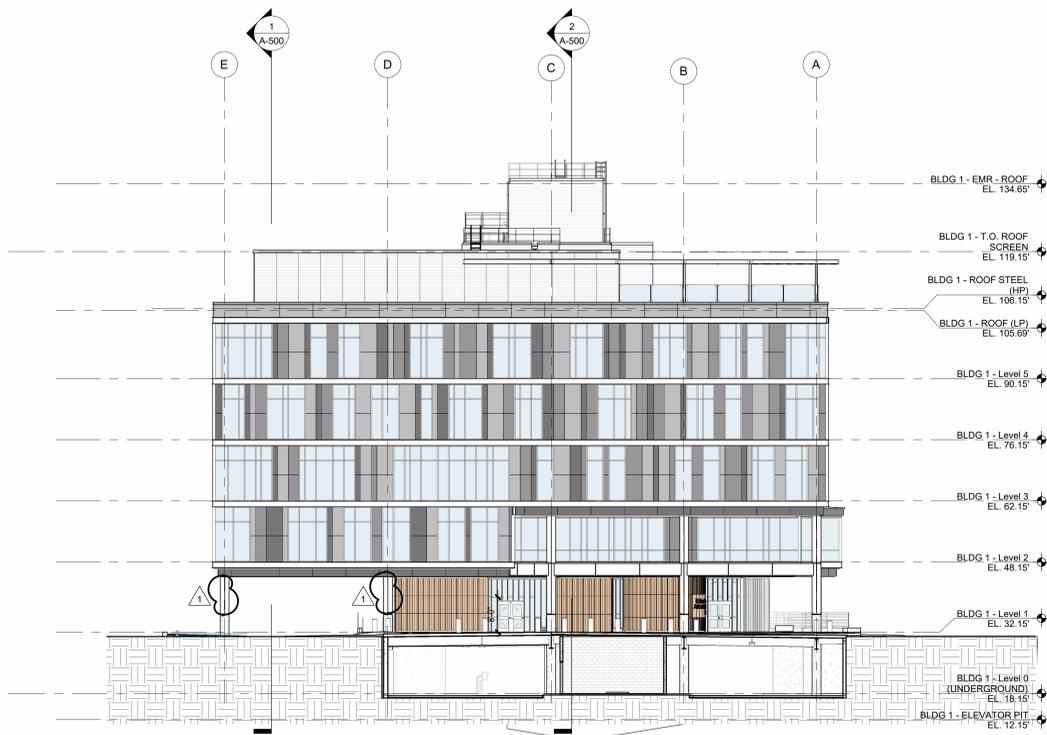
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

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

Sheet Name:  
**OVERALL EXTERIOR ELEVATIONS**

Sheet No:  
**A-301**



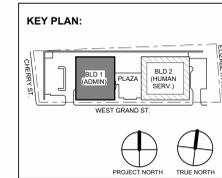
**1 BUILDING NO. 1 - WEST**  
SCALE: 1/16" = 1'-0"



**2 BUILDING NO. 2 - WEST**  
SCALE: 1/16" = 1'-0"



**3 OVERALL EXTERIOR - SOUTH**  
SCALE: 1/16" = 1'-0"



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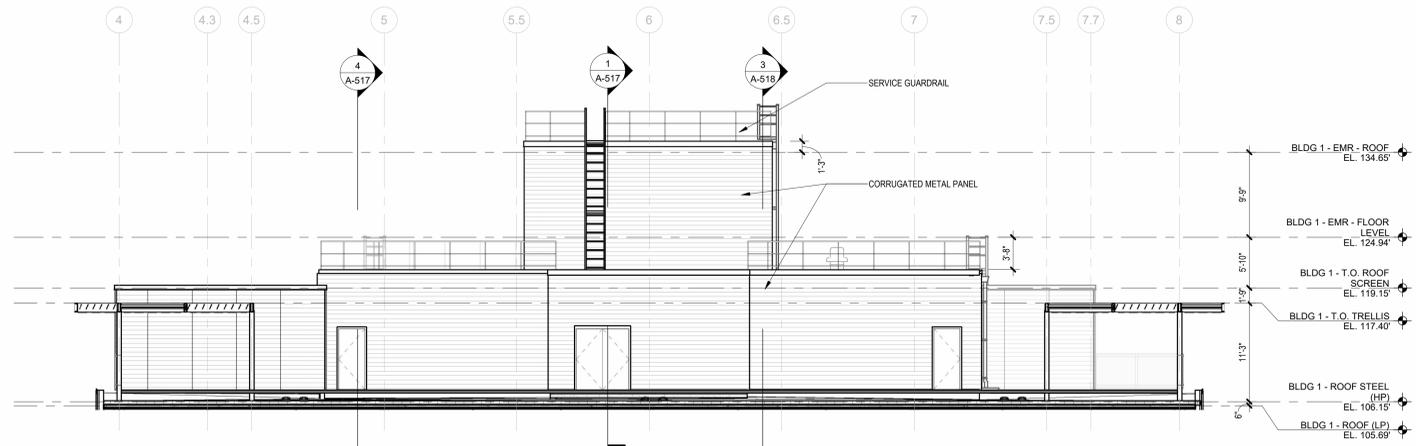
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

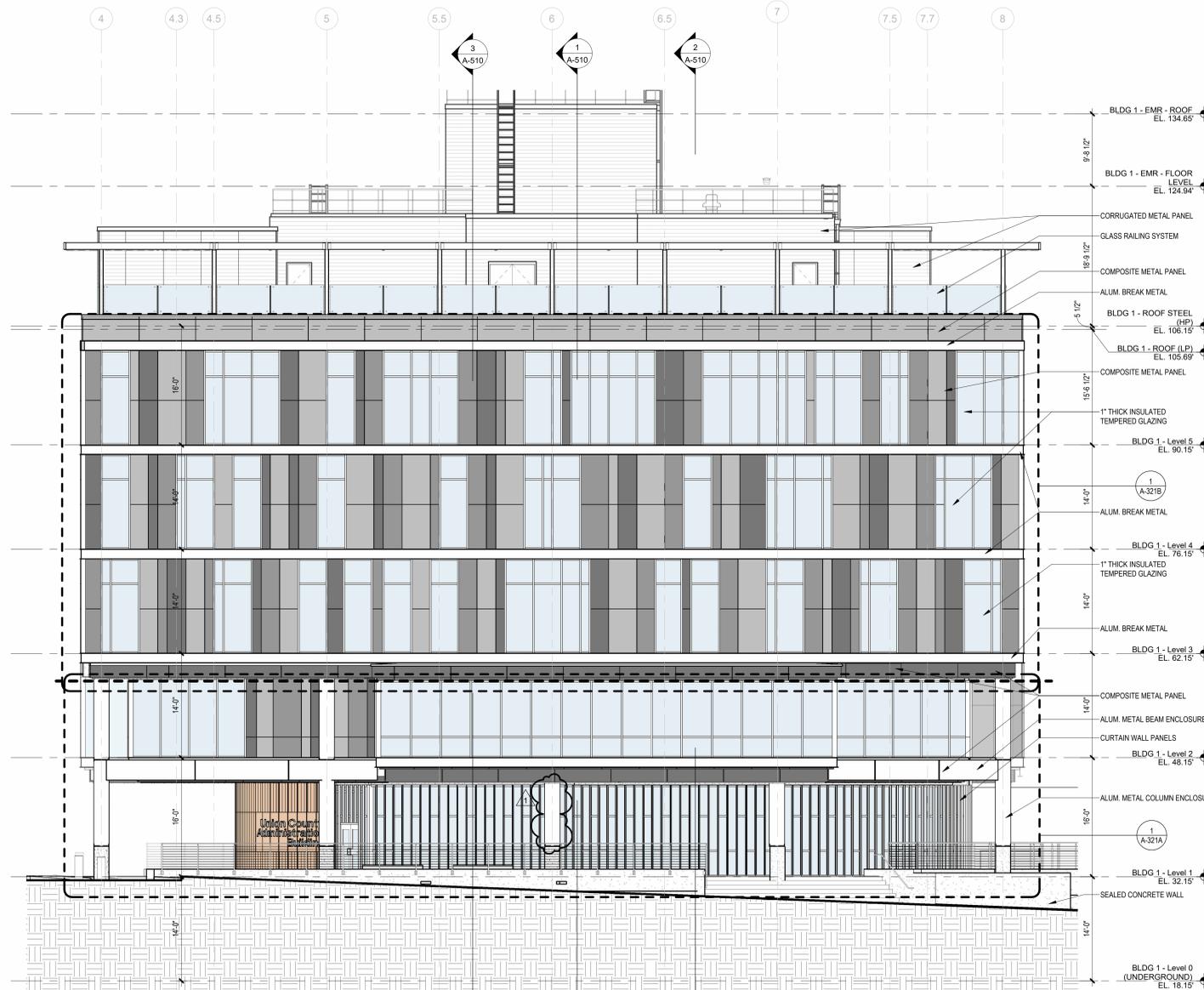
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**OVERALL EXTERIOR ELEVATIONS**

Sheet No:  
**A-302**



**2 BUILDING NO. 1 BULKHEAD SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"



**1 BUILDING NO.1 - SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"

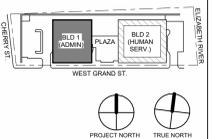
**NOTES**

1. REFER TO A-450 SERIES DRAWINGS FOR ADDITIONAL CURTAIN WALL DETAILS AND ENLARGED CURTAIN WALL ELEVATIONS.
2. CURTAIN WALL TYPE 1 VERTICAL MULLIONS TO RECEIVE MULLION COVER. REFER TO DETAIL 10/A-450.

**MATERIAL LEGEND**

	GL-1	1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3	1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4	1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5	1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1	COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2	COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3	COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP-4	TERRACOTTA WALL SYSTEM FLAT
	TCP-4A	TERRACOTTA WALL SYSTEM FLUTED
	CMP-5	CORRUGATED METAL PANEL
	CMP-6	CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1	SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**KEY PLAN:**



No.	Date	Description
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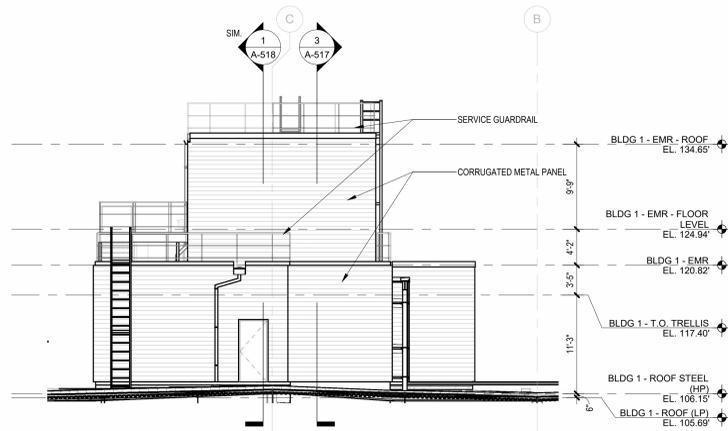
Client:  
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Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY, 07202

Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
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Sheet Name:  
**BUILDING NO.1 - SOUTH ELEVATIONS**

Sheet No:  
**A-303**



**2 BUILDING NO.1 - EAST ELEVATION**  
SCALE: 1/8" = 1'-0"



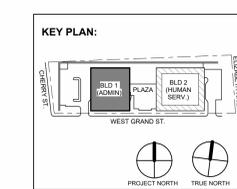
**1 BUILDING NO. 1 - WEST ELEVATION**  
SCALE: 1/8" = 1'-0"

**NOTES**

1. REFER TO A-450 SERIES DRAWINGS FOR ADDITIONAL CURTAIN WALL DETAILS AND ENLARGED CURTAIN WALL ELEVATIONS.
2. CURTAIN WALL TYPE 1 VERTICAL MULLIONS TO RECEIVE MULLION COVER. REFER TO DETAIL 10A-450.

**MATERIAL LEGEND**

	GL-1	1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3	1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4	1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5	1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1	COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2	COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3	COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP-4	TERRACOTTA WALL SYSTEM FLAT
	TCP-4A	TERRACOTTA WALL SYSTEM FLUTED
	CMP-5	CORRUGATED METAL PANEL
	CMP-6	CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1	SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH



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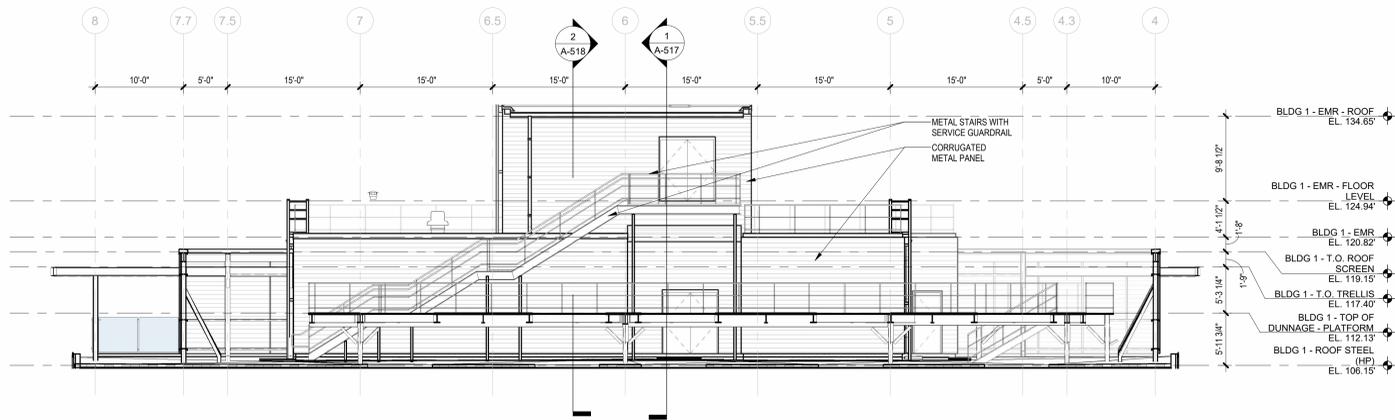
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**UNION COUNTY IMPROVEMENT AUTHORITY**

Project:  
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81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
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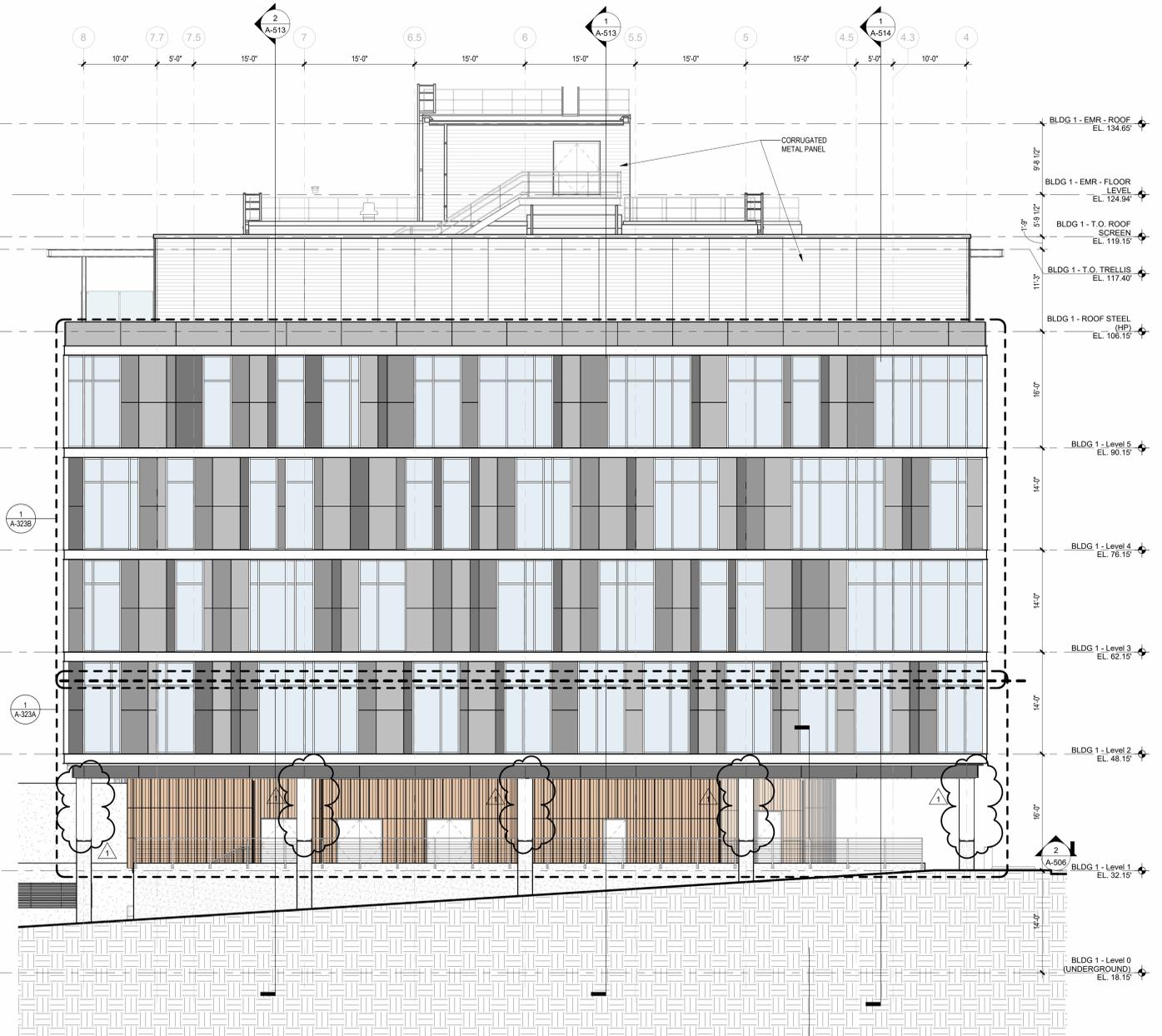
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**BUILDING NO. 1 - WEST ELEVATIONS**

Sheet No:  
**A-304**



**2 BUILDING NO.1 - NORTH BULKHEAD ELEVATION**  
SCALE: 1/8" = 1'-0"



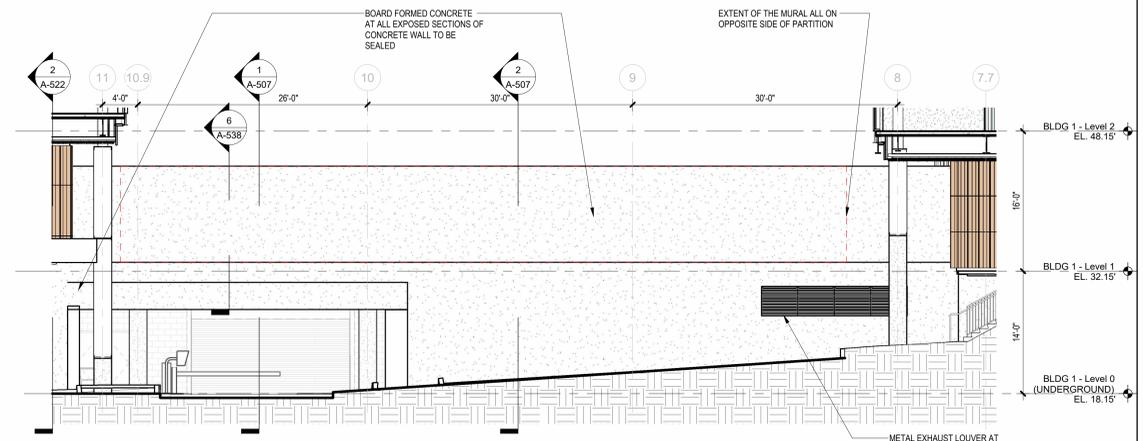
**1 BUILDING NO. 1 - NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"

**NOTES**

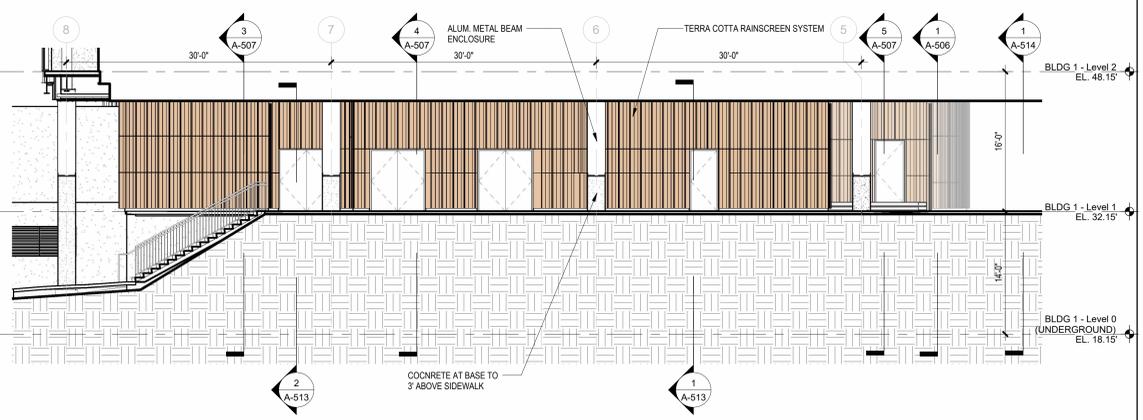
1. REFER TO A-450 SERIES DRAWINGS FOR ADDITIONAL CURTAIN WALL DETAILS AND ENLARGED CURTAIN WALL ELEVATIONS.
2. CURTAIN WALL TYPE 1 VERTICAL MULLIONS TO RECEIVE MULLION COVER. REFER TO DETAIL 10/A-450.

**MATERIAL LEGEND**

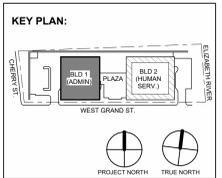
	GL-1	1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3	1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4	1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5	1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1	COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2	COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3	COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP-4	TERRACOTTA WALL SYSTEM FLAT
	TCP-4A	TERRACOTTA WALL SYSTEM FLUTED
	CMP-5	CORRUGATED METAL PANEL
	CMP-6	CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1	SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH



**4 OUTDOOR PLAZA NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"



**3 BUILDING NO. 1 PARTIAL ELEVATION**  
SCALE: 1/8" = 1'-0"



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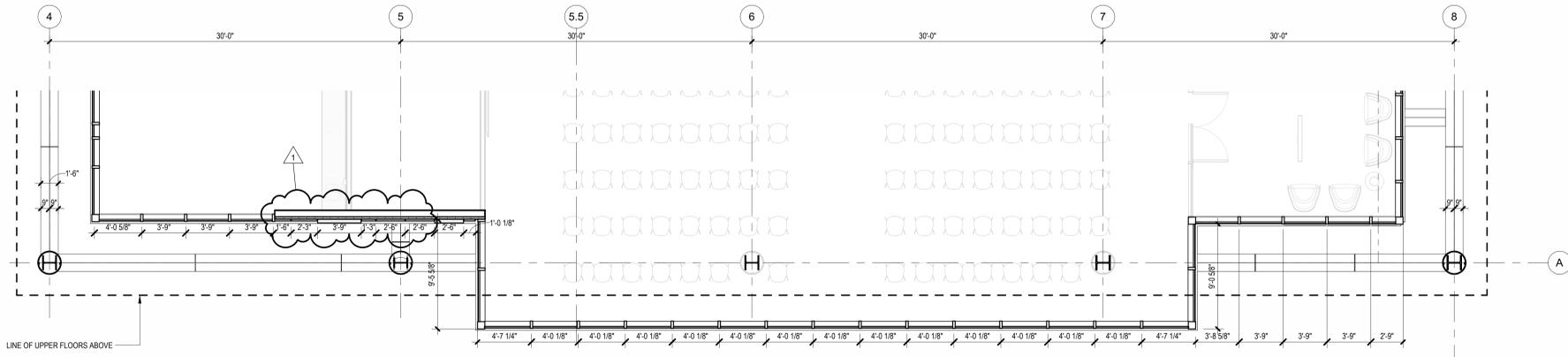
Client:  
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Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY, 07202

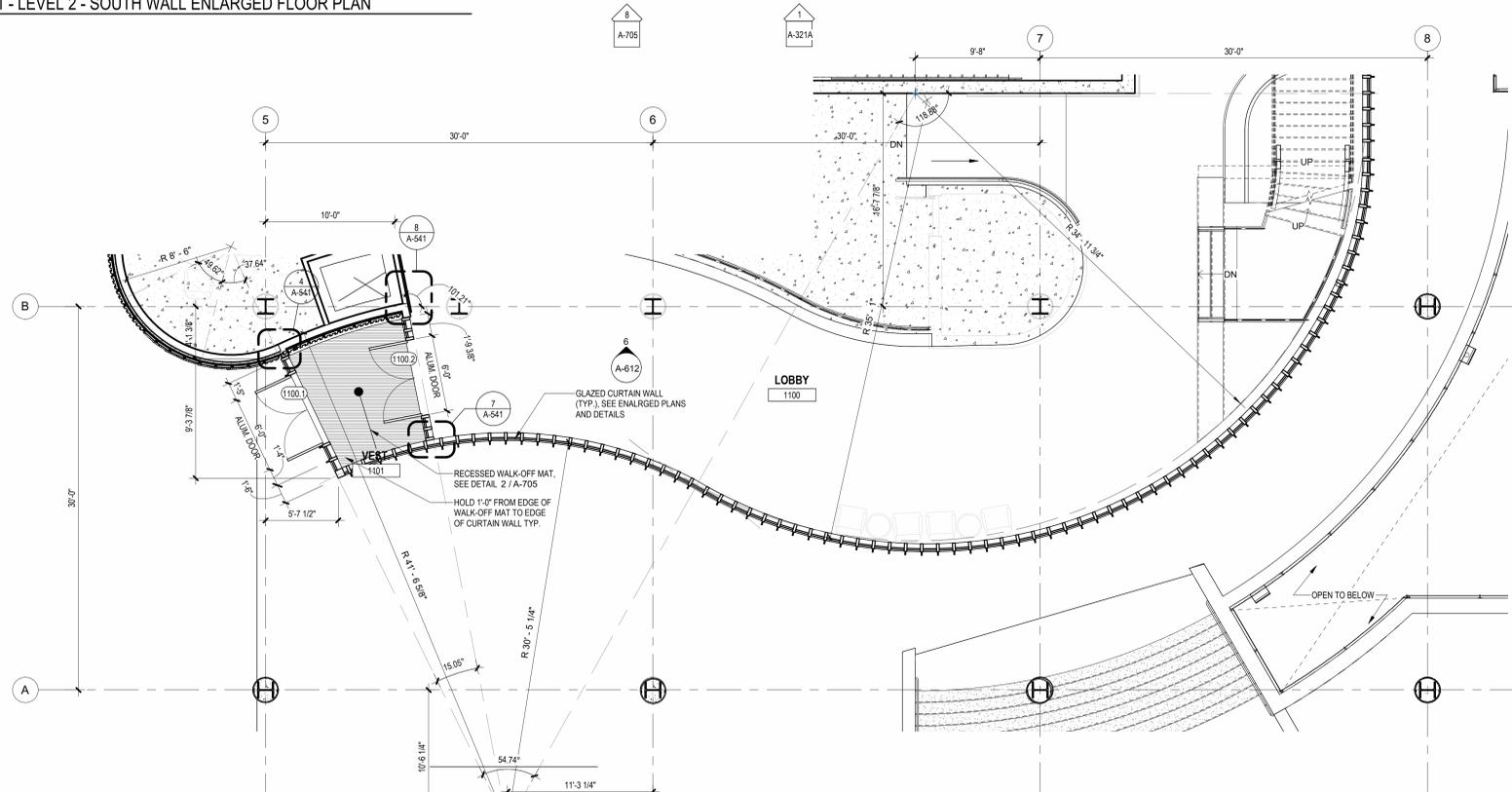
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Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**BUILDING NO. 1 - NORTH ELEVATIONS**

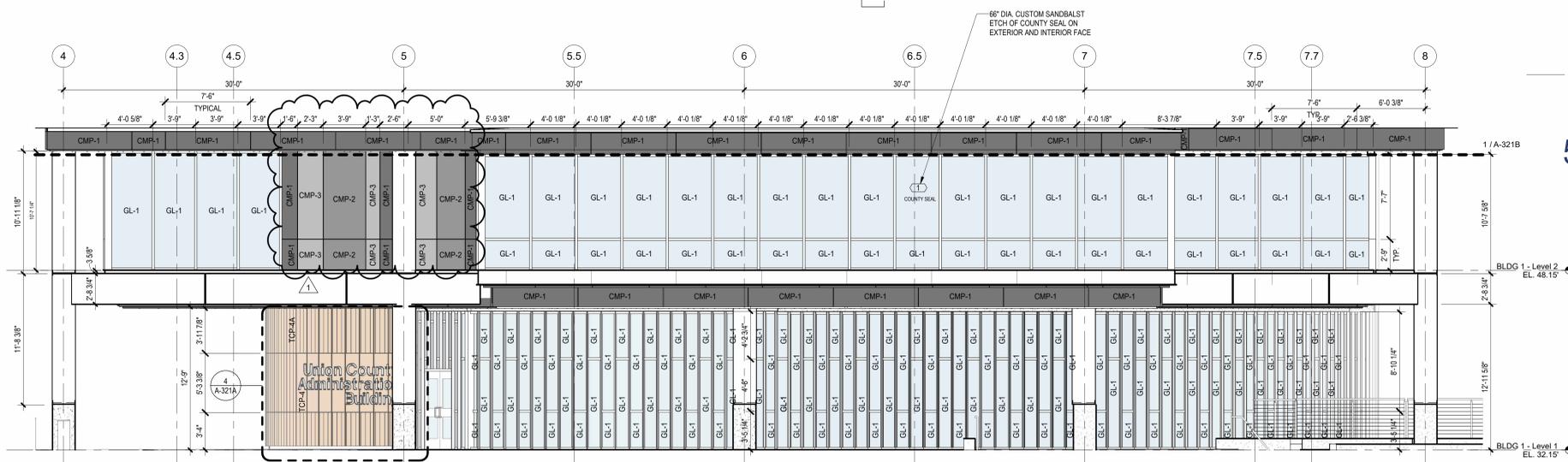
Sheet No:  
**A-305**



**3 BUILDING NO.1 - LEVEL 2 - SOUTH WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



**2 BUILDING NO.1 - LEVEL 1 - SOUTH WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



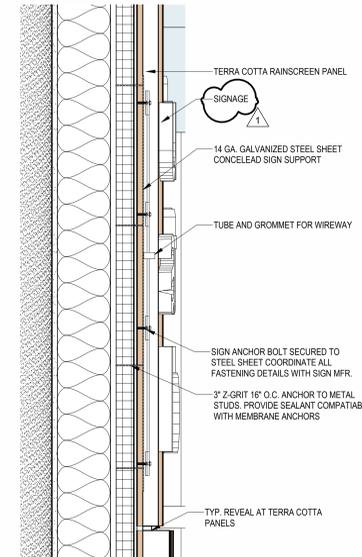
**1 BUILDING NO.1 - ENLARGED SOUTH ELEVATION LOWER LEVEL**  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND			
GL-1	1" THICK CLEAR INSULATED TEMPERED GLAZING	CMP-3	COMPOSITE METAL PANEL WITH COLOR NO. 3
GL-3	1" THICK CERAMIC FRIT SPANDREL GLAZING	TCP-4	TERRACOTTA WALL SYSTEM FLAT
GL-4	1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING	TCP-4A	TERRACOTTA WALL SYSTEM FLUTED
GL-5	1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL	CMP-5	CORRUGATED METAL PANEL
CMP-1	COMPOSITE METAL PANEL WITH COLOR NO. 1	CMP-6	CORRUGATED METAL PANEL W/ PERFORATIONS
CMP-2	COMPOSITE METAL PANEL WITH COLOR NO. 2	CW-1	SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

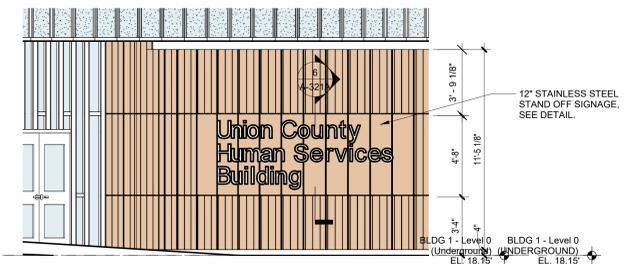
  

ELEVATION SYMBOL LEGEND	
(AA-1)	WINDOW / CURTAIN WALL DESIGNATION SEE SHEET CS-702 FOR ADDITIONAL INFORMATION

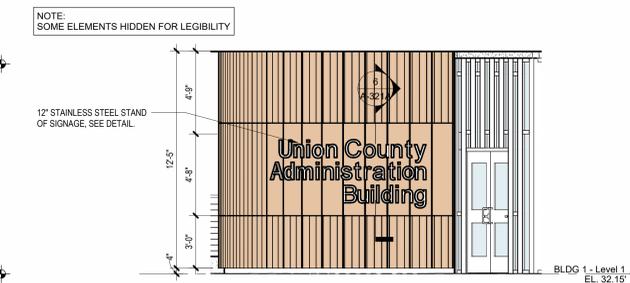
**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 5600PG-PRE-GLAZED CURTAIN WALL 7.1/2" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084413



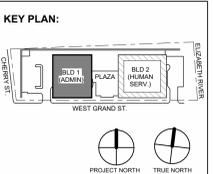
**6 SIGN SUPPORT SECTION @ TERRA COTTA RAINSCREEN**  
SCALE: 1 1/2" = 1'-0"



**5 BUILDING 2 SIGNAGE**  
SCALE: 1/4" = 1'-0"



**4 BUILDING 1 SIGNAGE**  
SCALE: 1/4" = 1'-0"



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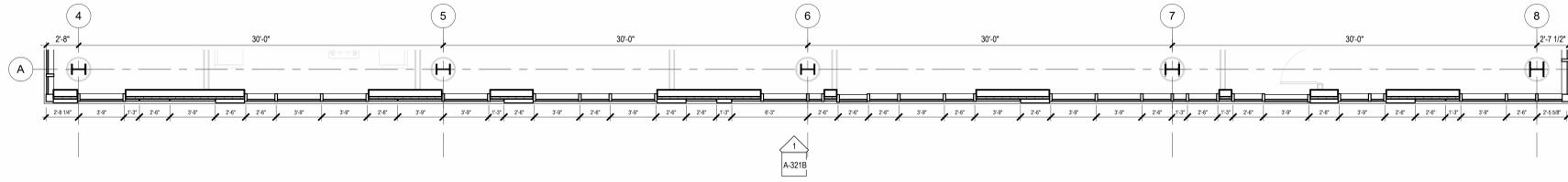
Client:  
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Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY, 07202

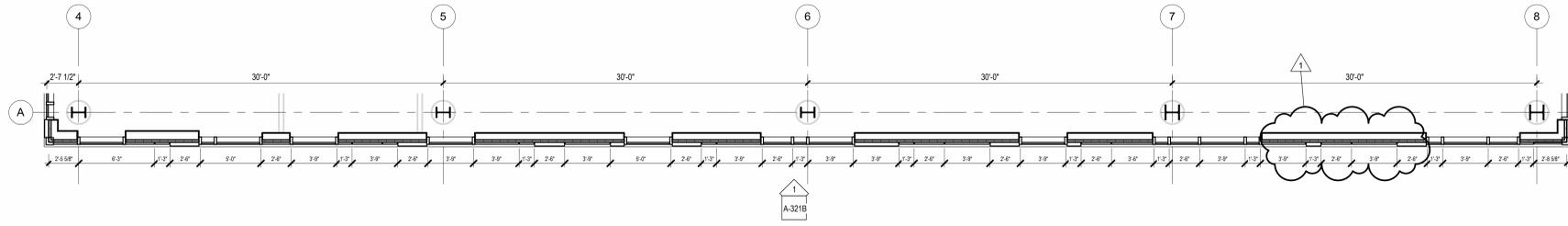
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 SOUTH**

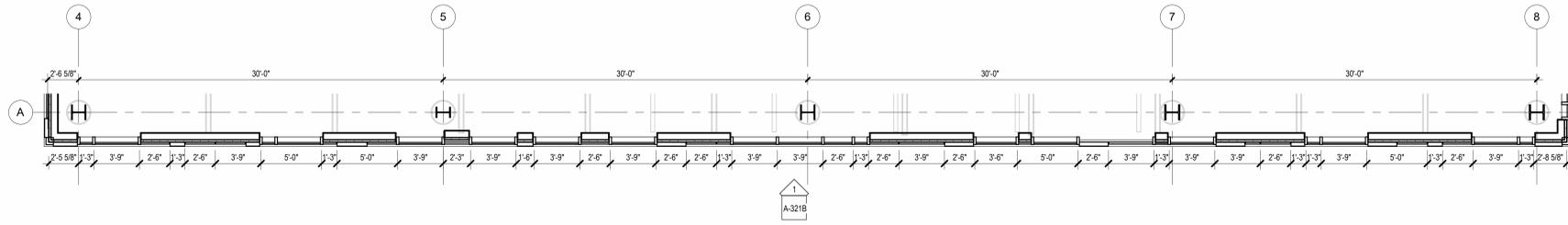
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**A-321A**



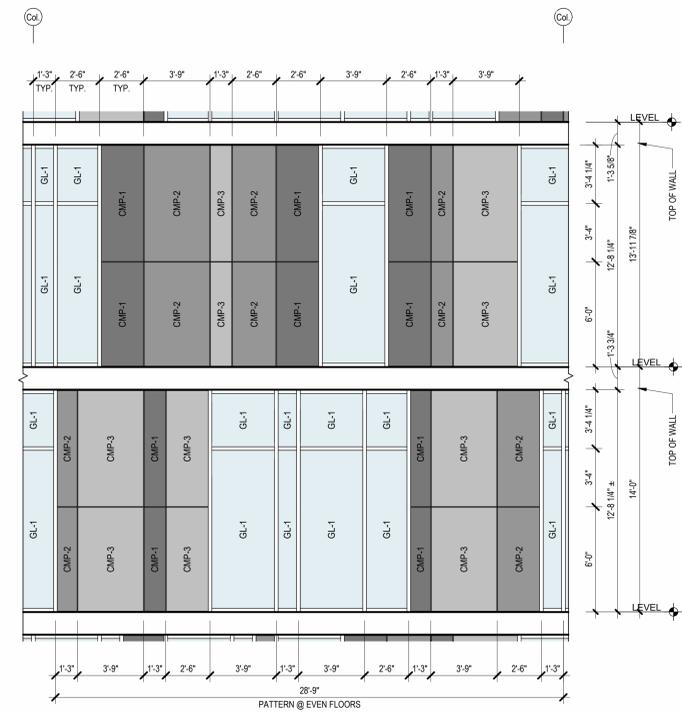
**4 BUILDING NO.1 - LEVEL 5 - SOUTH WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



**3 BUILDING NO.1 - LEVEL 4 - SOUTH WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



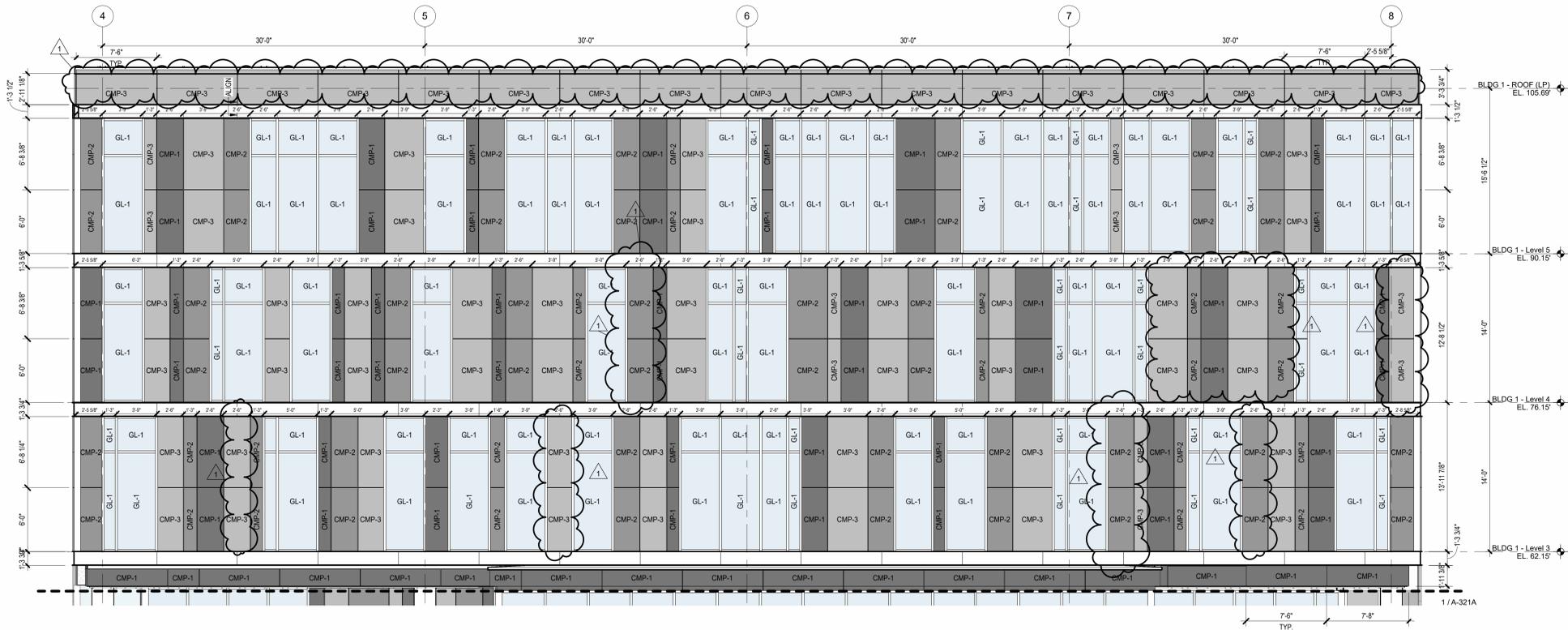
**2 BUILDING NO.1 - LEVEL 3 - SOUTH WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



**5 ELEVATION - CURTAIN WALL PATTERN**  
SCALE: 1/4" = 1'-0"

**NOTE:**  
 1. METAL PANEL COLOR IS DETERMINED BY PANEL WIDTH. UNLESS OTHERWISE NOTED, PANEL WIDTH 1'-3" = CMP-1, PANEL WIDTH 2'-6" = CMP-2, PANEL WIDTH 3'-9" = CMP-3.  
 2. DIMENSIONS ARE MEASURED TO CENTER LINE OF MULLION AND OR REVEAL U.O.N.  
 3. CMP-2 PANEL DEPTH TO BE 4". ALL OTHERS PANELS TO BE 1-1/2" IN DEPTH.  
 4. GLAZING LOCATIONS MAY VARY. REFER TO FLOOR PLANS FOR GLAZING LOCATIONS.  
 5. PATTERN IS CENTERED THROUGH THE OVERALL LENGTH AND MAY NOT ALIGN WITH COLUMN LINES.

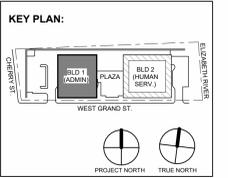
**BASIS OF DESIGN (COMPOSITE METAL PANELS):**  
 A. CMP-1 TO CMP-3: ALUCOBOND PLUS BY 3A COMPOSITES. SEE SPECIFICATION SECTION 074243 FOR ADDITIONAL INFORMATION.  
 B. CORTEN STEEL: ALUCOBOND PLUS - "TRUSTED METAL" BY 3A COMPOSITES. SEE SPECIFICATION SECTION 074243 AND SECTION 074619 FOR ADDITIONAL INFORMATION.



**1 BUILDING NO.1 - ENLARGED SOUTH ELEVATION**  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND	
	GL-1 1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3 1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4 1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5 1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1 COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2 COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3 COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP-4 TERRACOTTA WALL SYSTEM FLUTED
	CMP-5 CORRUGATED METAL PANEL
	CMP-6 CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1 SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING. SEE SPECIFICATIONS SECTION 084113.  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING. SEE SPECIFICATIONS SECTION 084113.  
 C. UNINITIALIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 5500PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING. SEE SPECIFICATIONS SECTION 084113.



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NJ RA #A10827100

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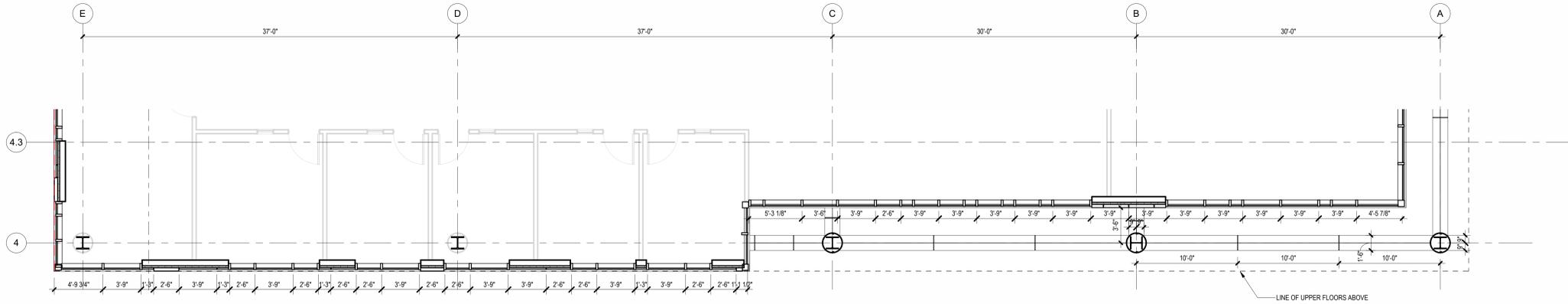
Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY, 07202

Drawing Information:  
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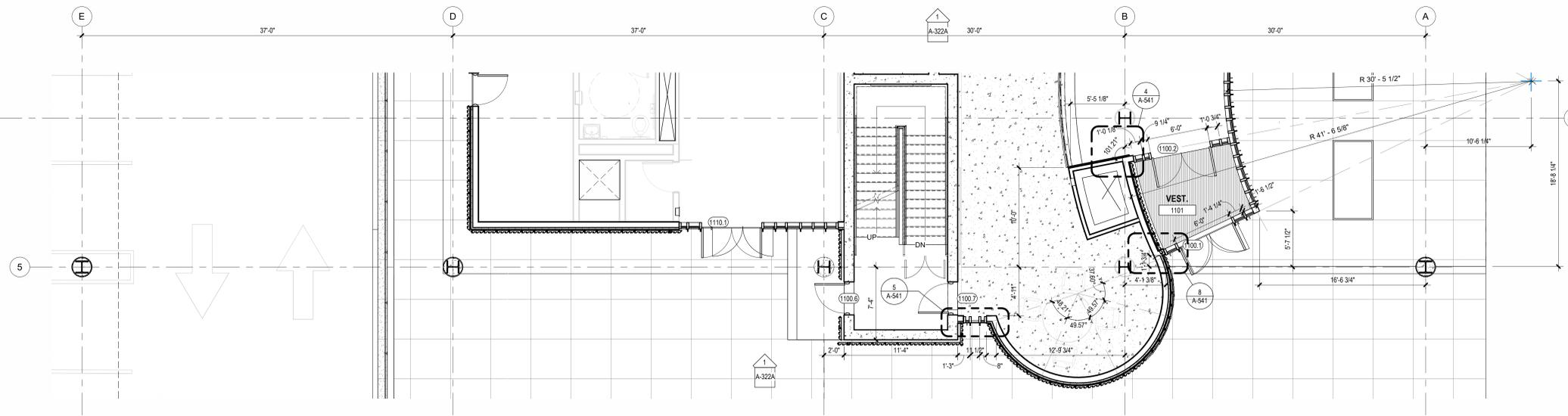
Sheet Name:  
**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 SOUTH**

Sheet No:

**A-321B**



**3 BUILDING NO.1 - LEVEL 2 - WEST WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



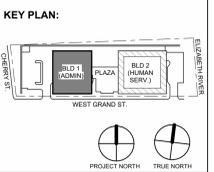
**2 BUILDING NO.1 - LEVEL 1 - WEST WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



**1 BUILDING NO.1 - ENLARGED WEST ELEVATION LOWER LEVEL**  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND	
	GL-1 1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3 1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4 1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5 1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1 COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2 COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3 COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP-4 TERRACOTTA WALL SYSTEM FLAT
	TCP-4A TERRACOTTA WALL SYSTEM FLUTED
	CMP-5 CORRUGATED METAL PANEL
	CMP-6 CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1 SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

- BASIS OF DESIGN:**
- A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115
  - B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115
  - C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 960PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115



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

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Jeffrey D. Venezia, AIA  
NJ RA AI 00827100

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

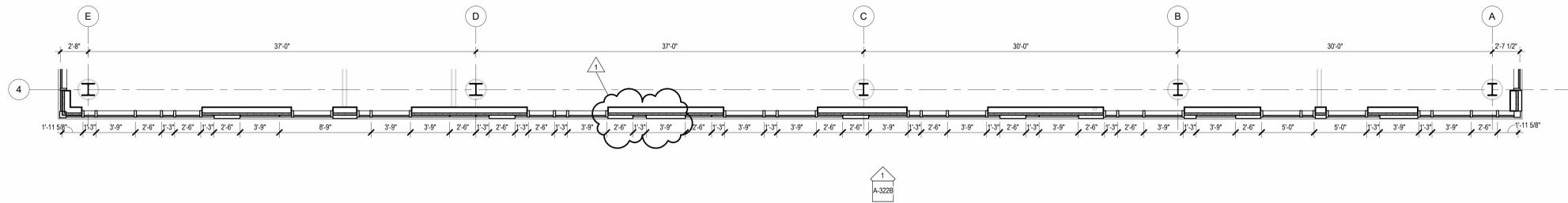
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

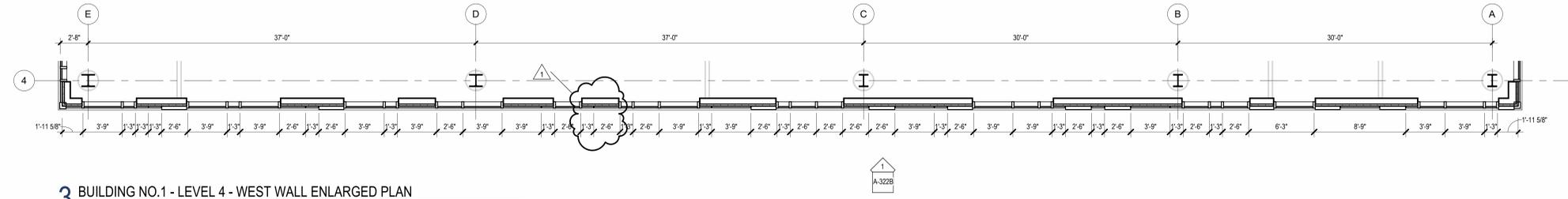
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Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 WEST**

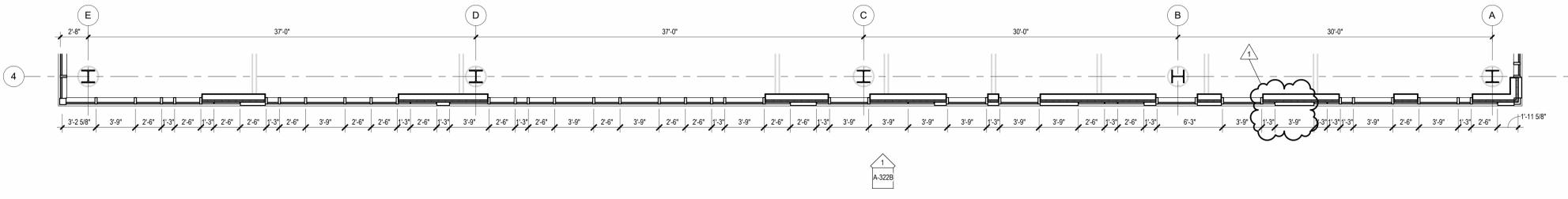
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**A-322A**



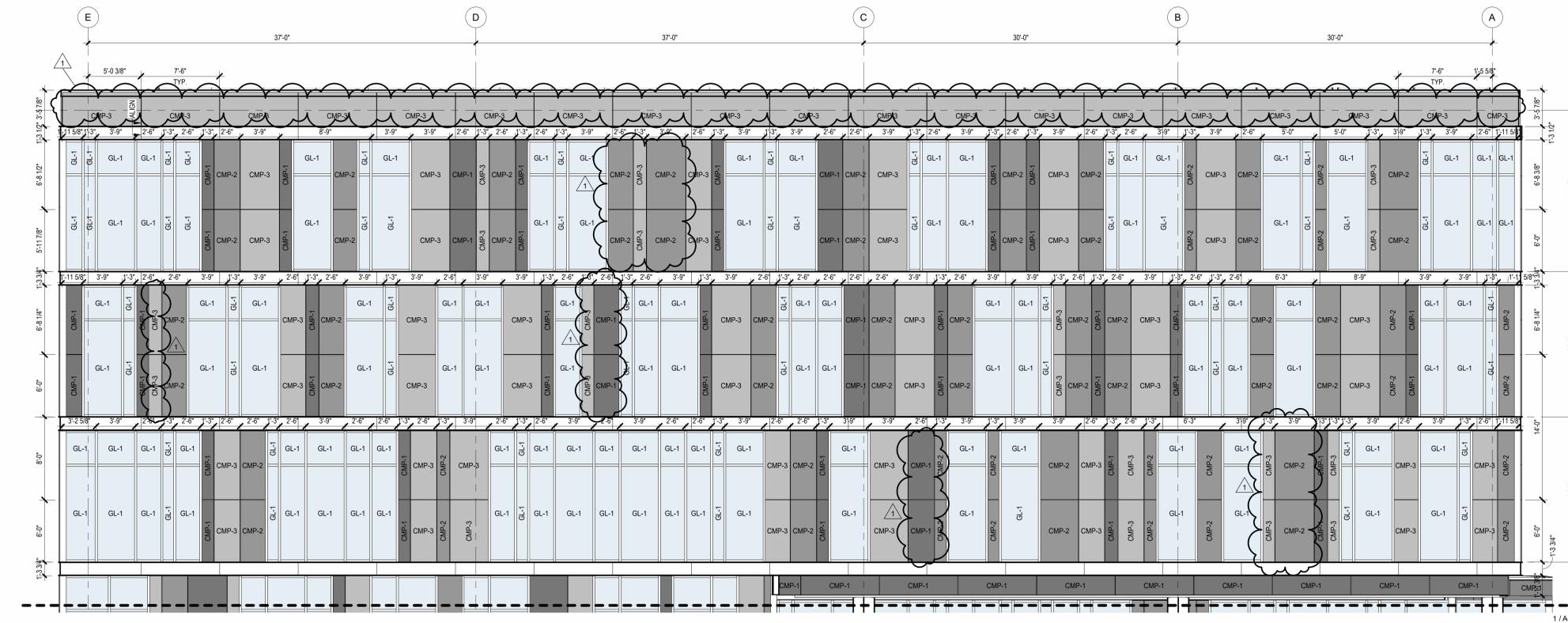
4 BUILDING NO.1 - LEVEL 5 - WEST WALL ENLARGED PLAN  
SCALE: 3/16" = 1'-0"



3 BUILDING NO.1 - LEVEL 4 - WEST WALL ENLARGED PLAN  
SCALE: 3/16" = 1'-0"



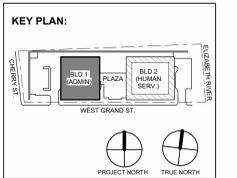
2 BUILDING NO.1 - LEVEL 3 - WEST WALL ENLARGED PLAN  
SCALE: 3/16" = 1'-0"



1 BUILDING NO. 1 - ENLARGED WEST ELEVATION  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND	
GL-1	1" THICK CLEAR INSULATED TEMPERED GLAZING
GL-3	1" THICK CERAMIC FRIT SPANDREL GLAZING
GL-4	1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
GL-5	1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
CMP-1	COMPOSITE METAL PANEL WITH COLOR NO. 1
CMP-2	COMPOSITE METAL PANEL WITH COLOR NO. 2
CMP-3	COMPOSITE METAL PANEL WITH COLOR NO. 3
TCP-4	TERRACOTTA WALL SYSTEM FLAT
TCP-4A	TERRACOTTA WALL SYSTEM FLUTED
CMP-5	CORRUGATED METAL PANEL
CMP-6	CORRUGATED METAL PANEL W/ PERFORATIONS
CW-1	SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 9600PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115



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 Jeffrey D. Venezia, AIA  
 NJ RA AI 00827100

Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

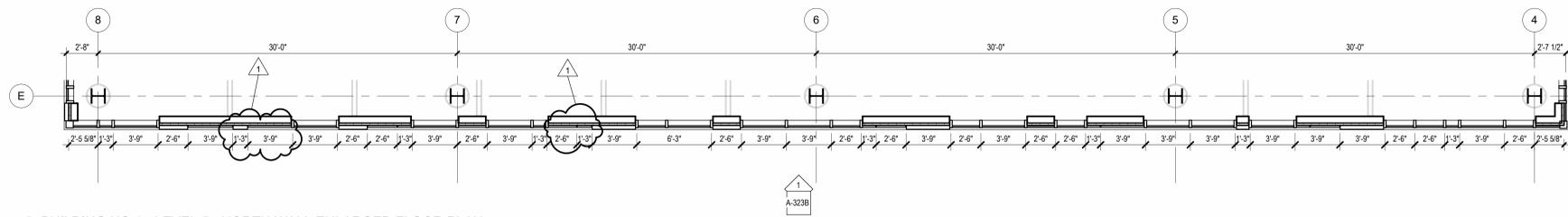
Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
 81 & 93 WEST GRAND STREET  
 CITY OF ELIZABETH  
 NEW JERSEY, 07202

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

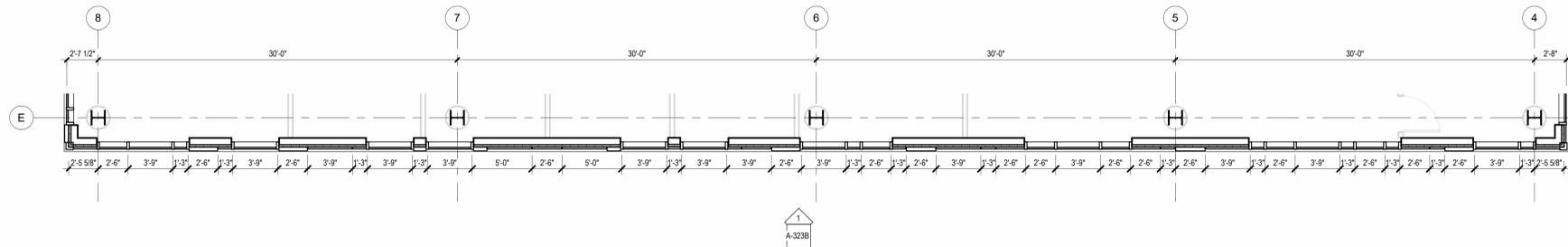
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**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 WEST**

Sheet No:  
**A-322B**

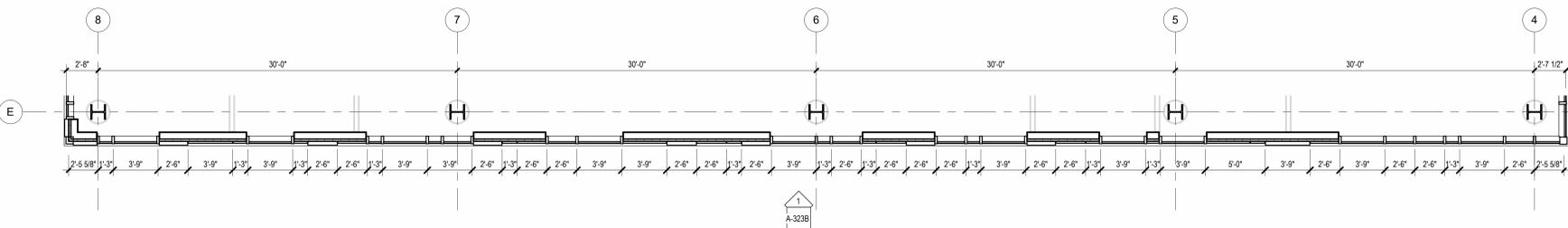




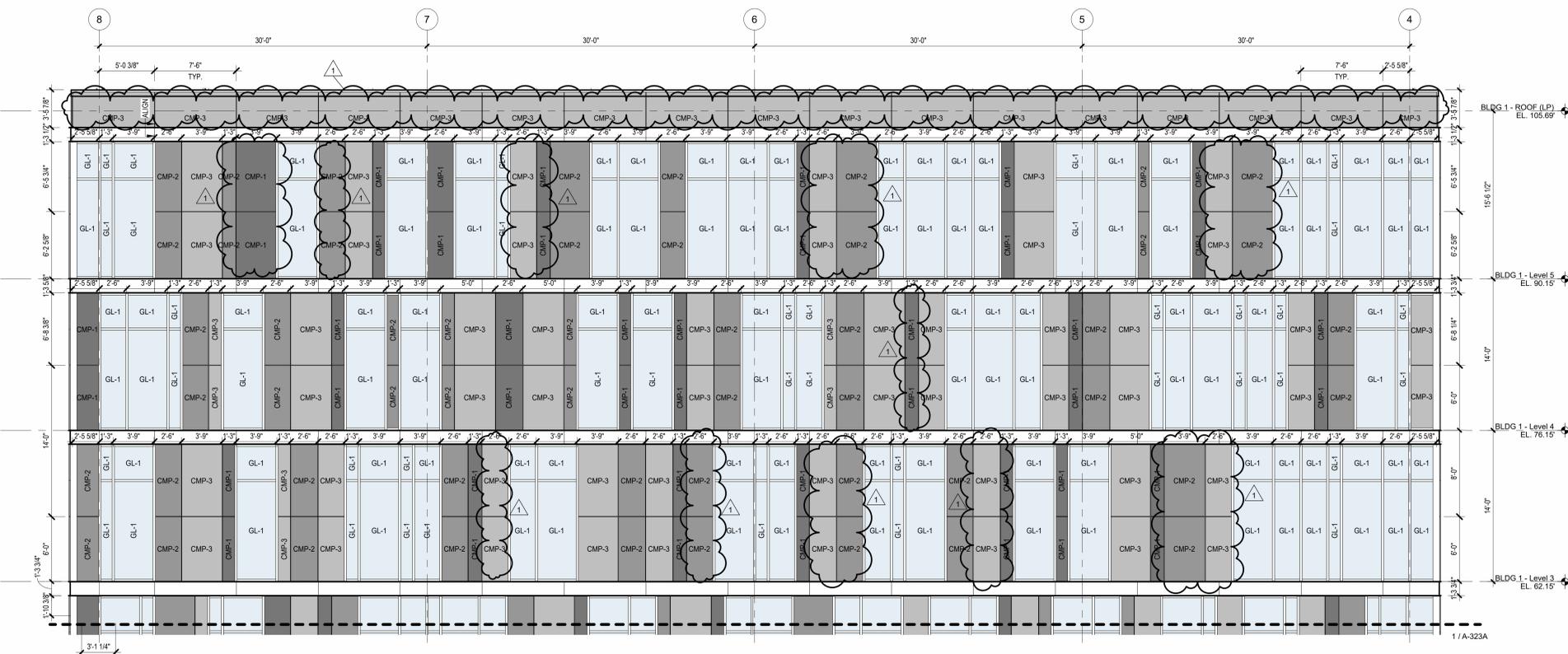
**4 BUILDING NO.1 - LEVEL 5 - NORTH WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



**3 BUILDING NO.1 - LEVEL 4 - NORTH WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



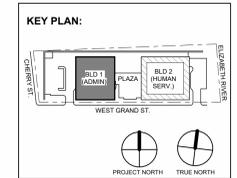
**2 BUILDING NO.1 - LEVEL 3 - NORTH WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



**1 BUILDING NO.1 - ENLARGED NORTH ELEVATION**  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND	
	GL-1 1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3 1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4 1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5 1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1 COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2 COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3 COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP-4 TERRACOTTA WALL SYSTEM FLUTED
	CMP-5 CORRUGATED METAL PANEL
	CMP-6 CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1 SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 9600PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115



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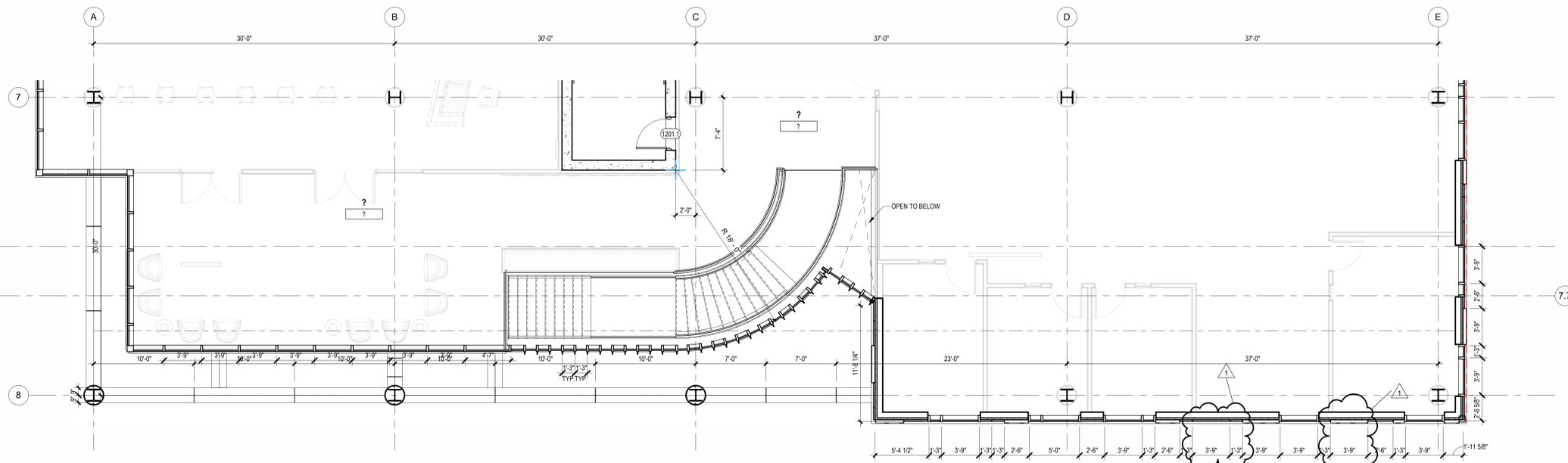
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

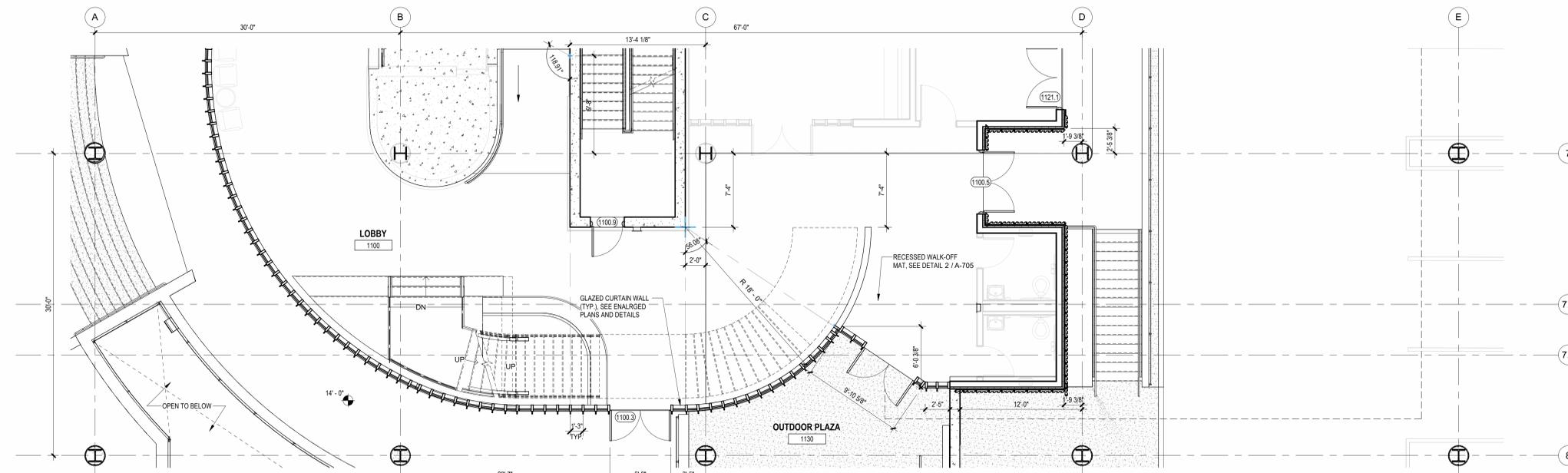
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 Project No: 20.072  
 Date: 11.08.2023  
 Drawn By: JB / AV / PC  
 Checked By: JM / SH

Sheet Name:  
**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 NORTH**

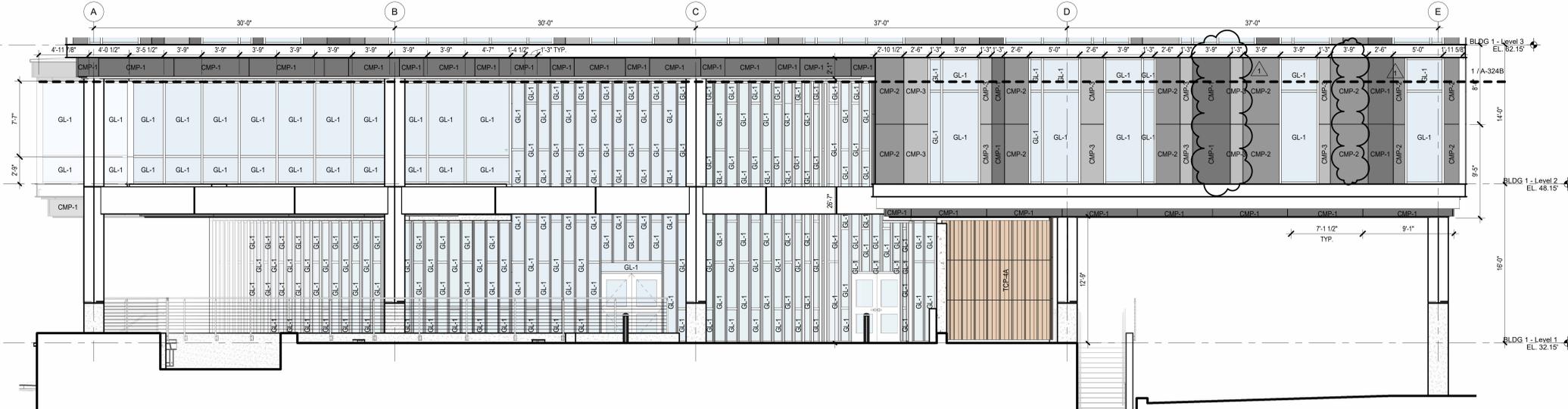
Sheet No:  
**A-323B**



**3 BUILDING NO.1 - LEVEL 2 - EAST WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



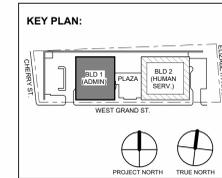
**2 BUILDING NO.1 - LEVEL 1 - EAST WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



**1 BUILDING NO.1 - ENLARGED EAST ELEVATION LOWER LEVEL**  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND	
GL-1	1" THICK CLEAR INSULATED TEMPERED GLAZING
GL-3	1" THICK CERAMIC FRIT SPANDREL GLAZING
GL-4	1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
GL-5	1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
CMP-1	COMPOSITE METAL PANEL WITH COLOR NO. 1
CMP-2	COMPOSITE METAL PANEL WITH COLOR NO. 2
CMP-3	COMPOSITE METAL PANEL WITH COLOR NO. 3
TCP-4	TERRACOTTA WALL SYSTEM FLAT
TCP-4A	TERRACOTTA WALL SYSTEM FLUTED
CMP-5	CORRUGATED METAL PANEL
CMP-6	CORRUGATED METAL PANEL W/ PERFORATIONS
CW-1	SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 8000PS PRE-GLAZED CURTAIN WALL 7'-12" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113



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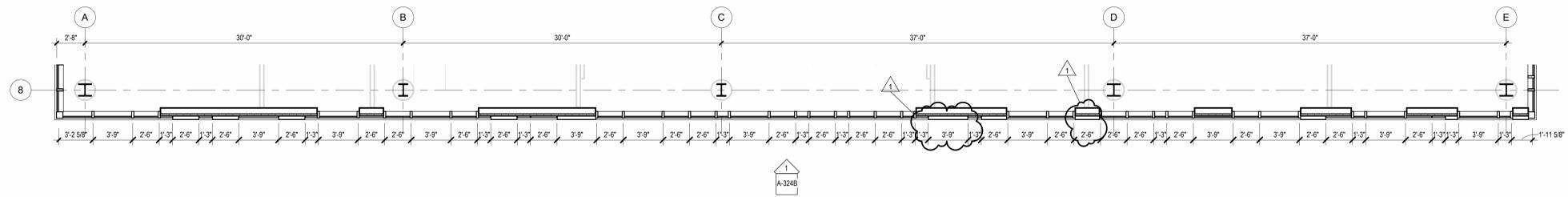
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

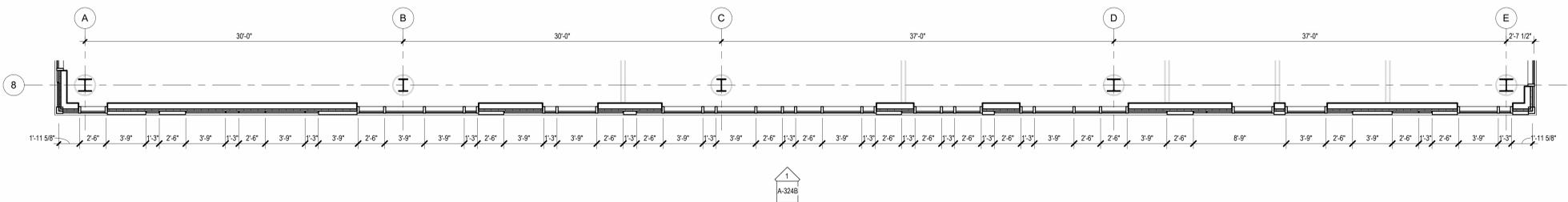
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 EAST**

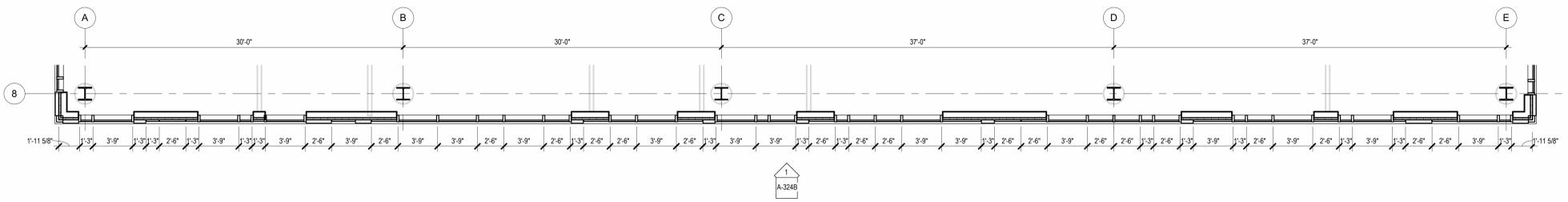
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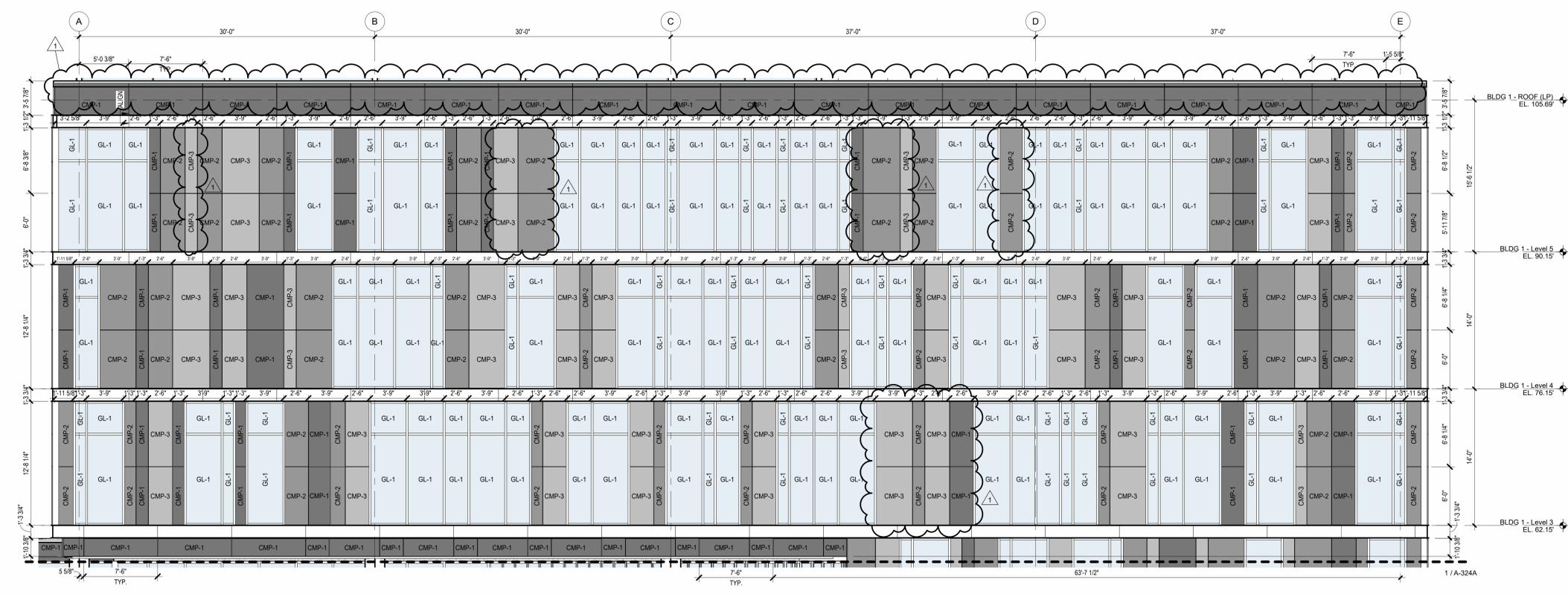
**4 BUILDING NO.1 - LEVEL 5 - EAST WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



**3 BUILDING NO.1 - LEVEL 4 - EAST WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



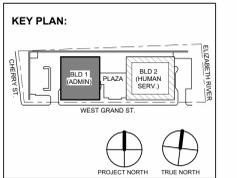
**2 BUILDING NO.1 - LEVEL 3 - EAST WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



**1 BUILDING NO.1 - ENLARGED EAST ELEVATION**  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND		
	GL-1	1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3	1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4	1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5	1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1	COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2	COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3	COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP-4	TERRACOTTA WALL SYSTEM FLAT
	TCP-4A	TERRACOTTA WALL SYSTEM FLUTED
	CMP-5	CORRUGATED METAL PANEL
	CMP-6	CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1	SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 094113  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 094113  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 5600PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 094113



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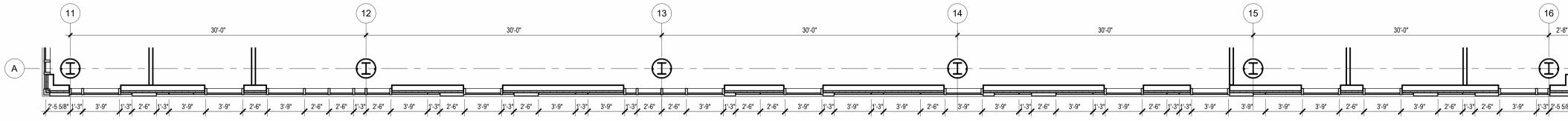
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

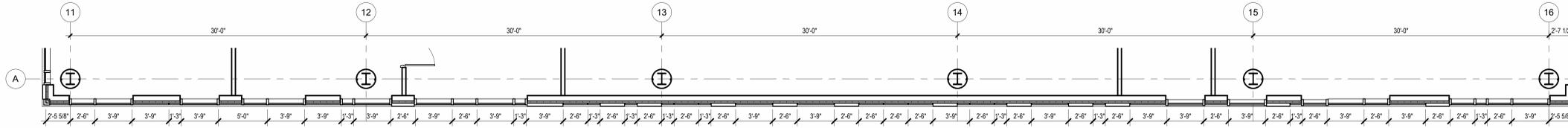
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Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 EAST**

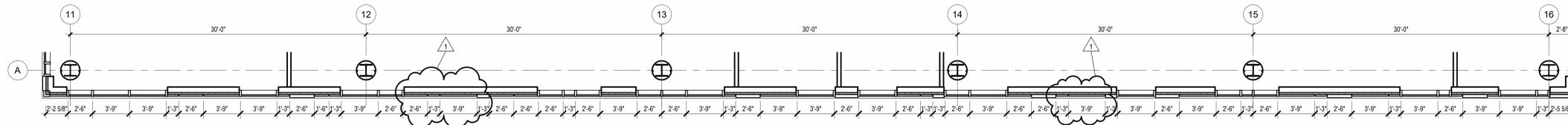
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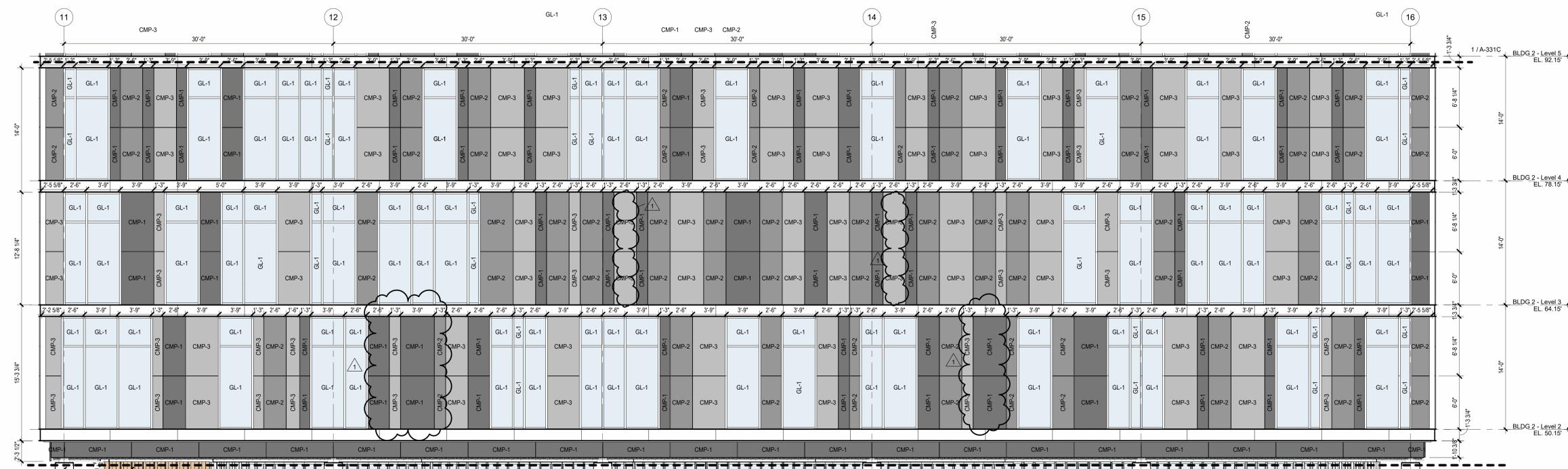
4 BUILDING NO. 2 - LEVEL 4 - SOUTH WALL ENLARGED PLAN  
SCALE: 3/16" = 1'-0"



3 BUILDING NO. 2 - LEVEL 3 - SOUTH WALL ENLARGED PLAN  
SCALE: 3/16" = 1'-0"



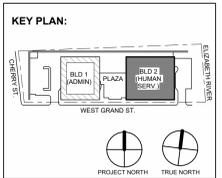
2 BUILDING NO. 2 - LEVEL 2 - SOUTH WALL ENLARGED PLAN  
SCALE: 3/16" = 1'-0"



1 BUILDING NO. 2 - ENLARGED SOUTH ELEVATION  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND	
	GL-1 1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3 1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4 1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5 1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1 COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2 COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3 COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP-4 TERRACOTTA WALL SYSTEM FLAT
	TCP-4A TERRACOTTA WALL SYSTEM FLUTED
	CMP-5 CORRUGATED METAL PANEL
	CMP-6 CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1 SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCC 402 (INT) SERIES INTERIOR STOREFRONT SYSTEM WITH GLAZING. SEE SPECIFICATIONS SECTION 084113  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCC 403 (EXT) SERIES EXTERIOR STOREFRONT SYSTEM WITH GLAZING. SEE SPECIFICATIONS SECTION 084113  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCC SERIES 5600PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING. SEE SPECIFICATIONS SECTION 084413



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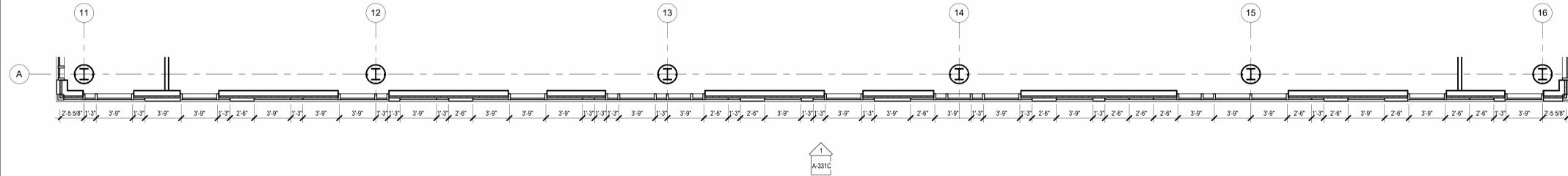
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

Drawing Information:  
 Project No: 20.072  
 Date: 11.08.2023  
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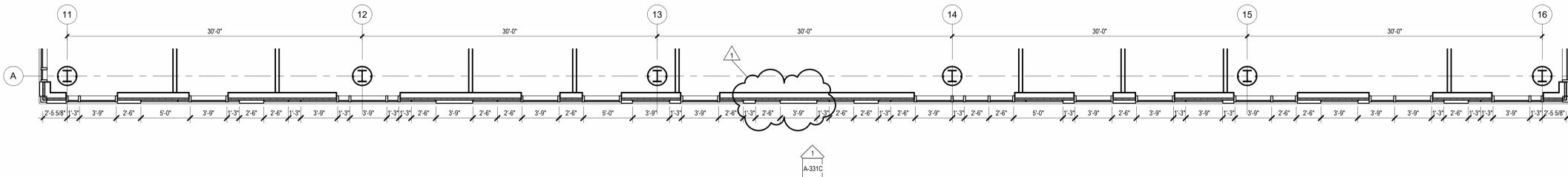
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**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO. 2 SOUTH**

Sheet No:  
**A-331B**



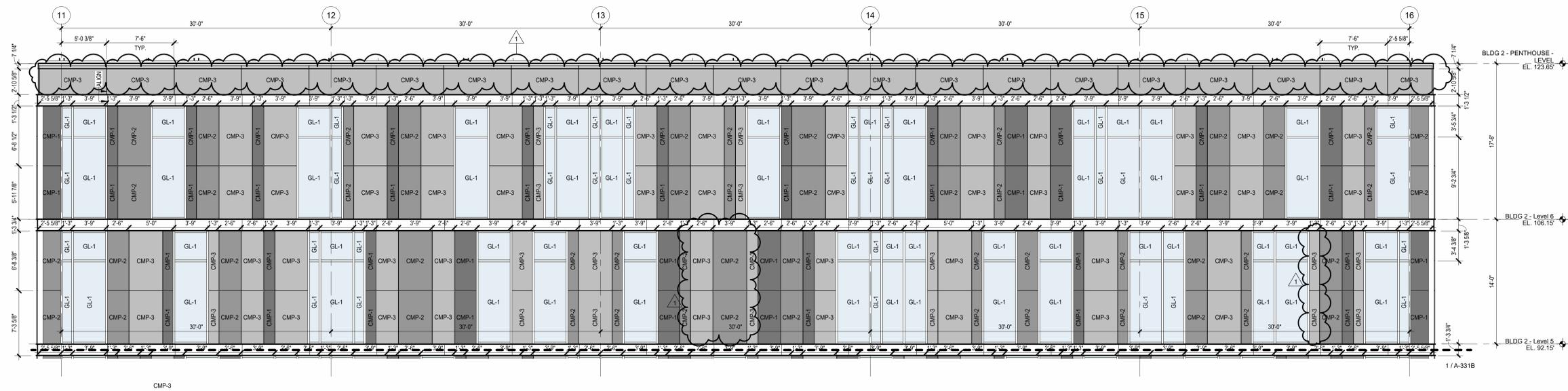
**3 BUILDING NO. 2 - LEVEL 6 - SOUTH WALL ENLARGED PLAN**  
SCALE: 3/16" = 1'-0"

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A-331C



**2 BUILDING NO. 2 - LEVEL 5 - SOUTH WALL ENLARGED PLAN**  
SCALE: 3/16" = 1'-0"

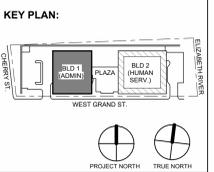
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A-331C



**1 BUILDING NO. 2 - ENLARGED SOUTH ELEVATION**  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND		
	GL-1	1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3	1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4	1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5	1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1	COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2	COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3	COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP	TERRACOTTA WALL SYSTEM FLAT
	TCP-4A	TERRACOTTA WALL SYSTEM FLUTED
	CMP-5	CORRUGATED METAL PANEL
	CMP-6	CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1	SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 960PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115



No.	Date	Description
1	12.01.2023	Addendum No. 01
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Jeffrey D. Venezia, AIA  
NJ RA #1 09827100

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

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**UNION COUNTY IMPROVEMENT AUTHORITY**

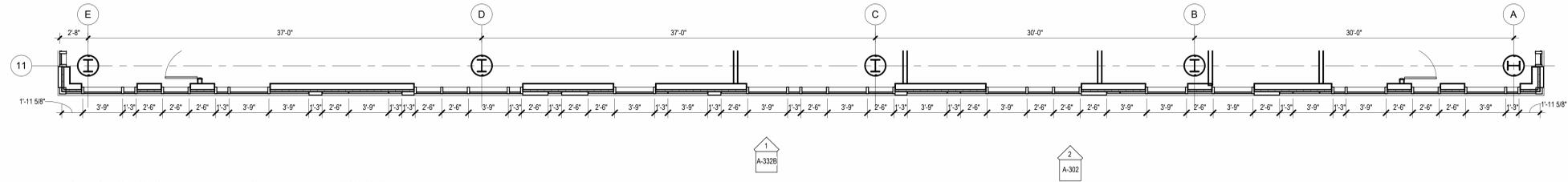
Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY, 07202

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

Sheet Name:  
**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO. 2 SOUTH**

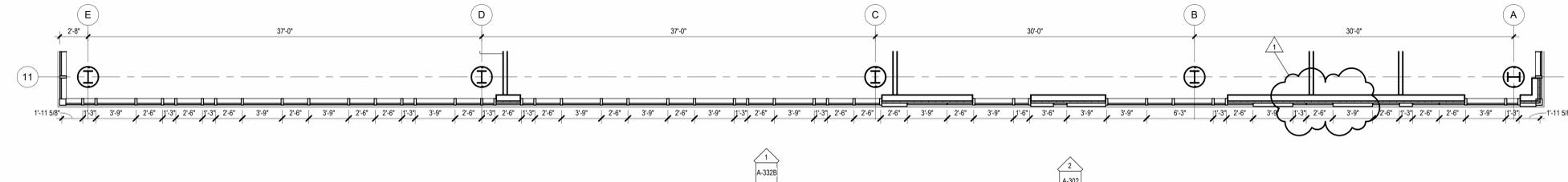
Sheet No:

**A-331C**



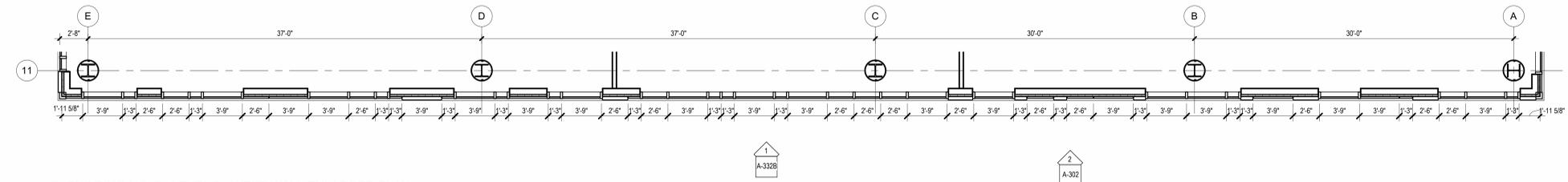
4 BUILDING NO. 2 - LEVEL 4 - WEST WALL ENLARGED PLAN

SCALE: 3/16" = 1'-0"



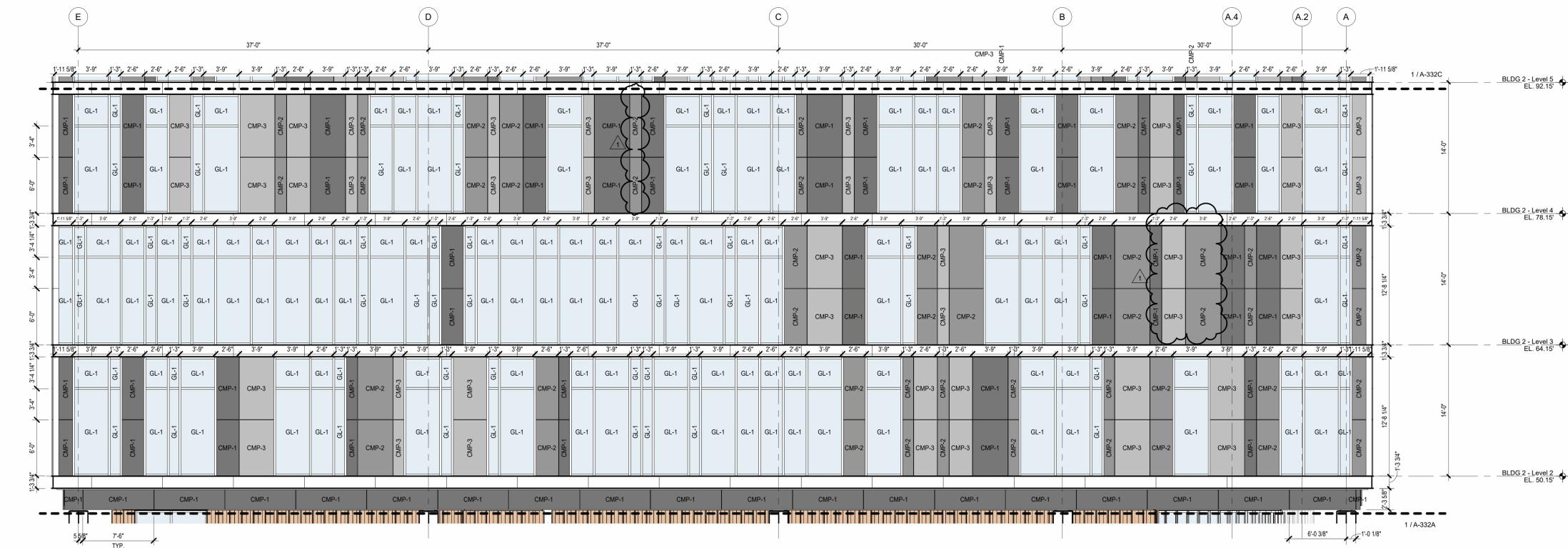
3 BUILDING NO. 2 - LEVEL 3 - WEST WALL ENLARGED PLAN

SCALE: 3/16" = 1'-0"



2 BUILDING NO. 2 - LEVEL 2 - WEST WALL ENLARGED PLAN

SCALE: 3/16" = 1'-0"



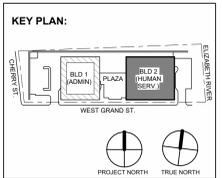
1 BUILDING NO. 2 - ENLARGED WEST ELEVATION

SCALE: 3/16" = 1'-0"

MATERIAL LEGEND	
GL-1	1" THICK CLEAR INSULATED TEMPERED GLAZING
GL-3	1" THICK CERAMIC FRIT SPANDREL GLAZING
GL-4	1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
GL-5	1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
CMP-1	COMPOSITE METAL PANEL WITH COLOR NO. 1
CMP-2	COMPOSITE METAL PANEL WITH COLOR NO. 2
CMP-3	COMPOSITE METAL PANEL WITH COLOR NO. 3
TCP-1	TERRACOTTA WALL SYSTEM FLAT
TCP-4A	TERRACOTTA WALL SYSTEM FLUTED
CMP-5	CORRUGATED METAL PANEL
CMP-6	CORRUGATED METAL PANEL W/ PERFORATIONS
CW-1	SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**BASIS OF DESIGN:**

- INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115
- EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115
- UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 9600PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115



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1	12.01.2023	Addendum No. 01
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Jeffrey D. Venezia, AIA  
NJ RA #A10827100

Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

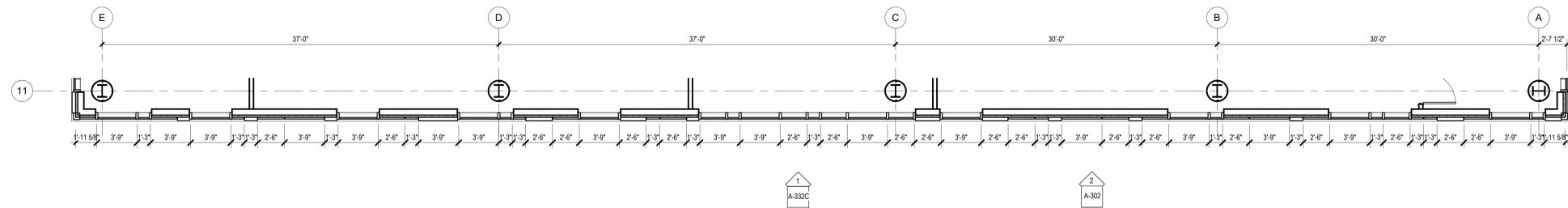
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Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO. 2 WEST**

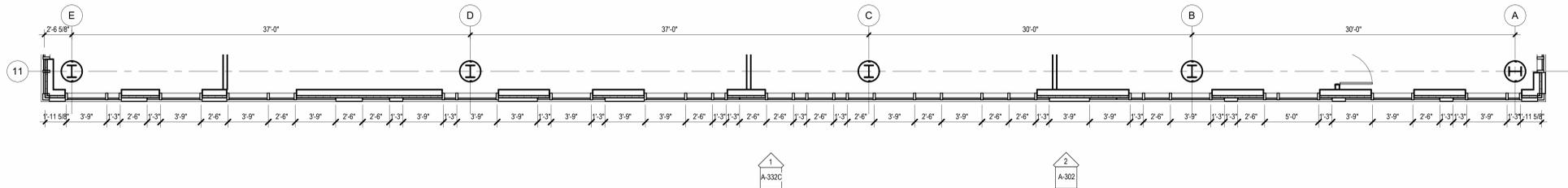
Sheet No:  
**A-332B**

MATERIAL LEGEND	
	GL-1 1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3 1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4 1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5 1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1 COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2 COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3 COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP TERRACOTTA WALL SYSTEM FLAT
	TCP-4A TERRACOTTA WALL SYSTEM FLUTED
	CMP-5 CORRUGATED METAL PANEL
	CMP-6 CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1 SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

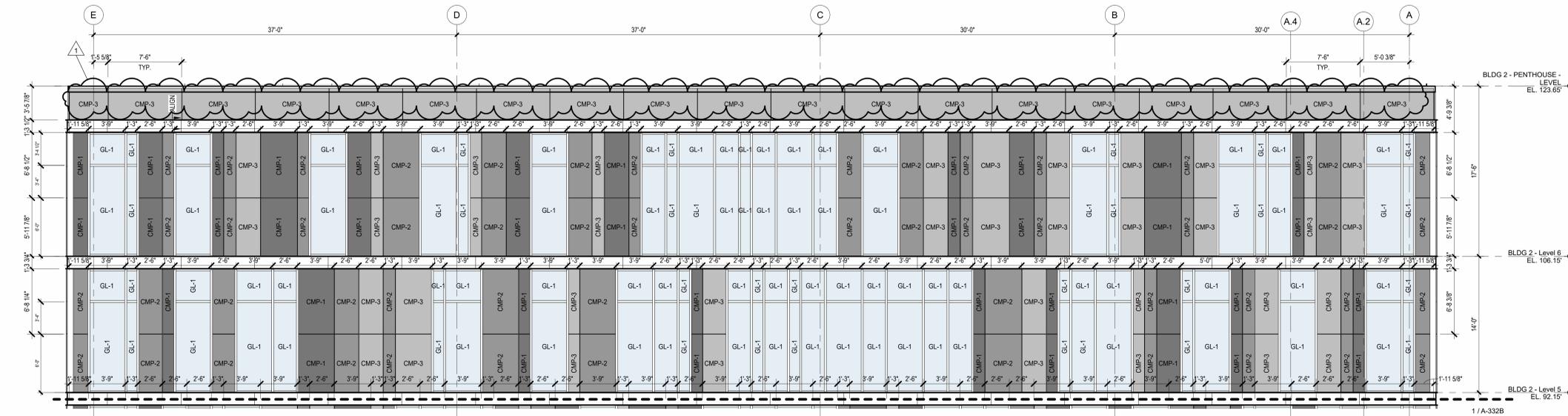
**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 9600PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115



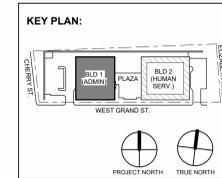
**3 BUILDING NO. 2 - LEVEL 6 - WEST WALL ENLARGED PLAN**  
 SCALE: 3/16" = 1'-0"



**2 BUILDING NO. 2 - LEVEL 5 - WEST WALL ENLARGED PLAN**  
 SCALE: 3/16" = 1'-0"



**1 BUILDING NO. 2 - ENLARGED WEST ELEVATION**  
 SCALE: 3/16" = 1'-0"



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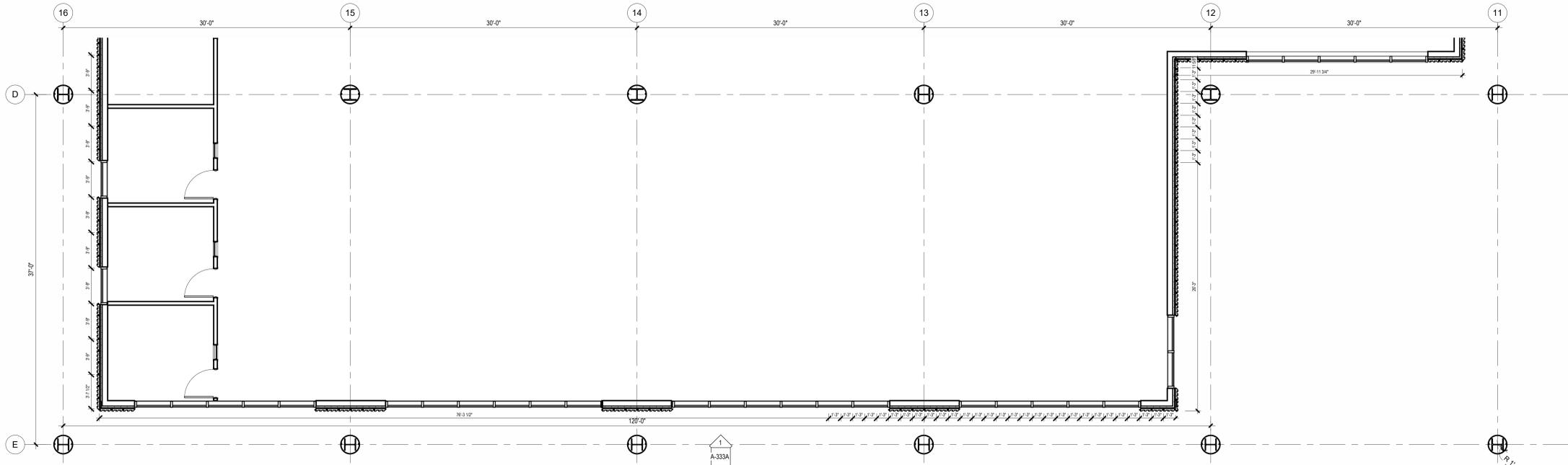
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

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

Sheet Name:  
**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.2 WEST**

Sheet No:  
**A-332C**

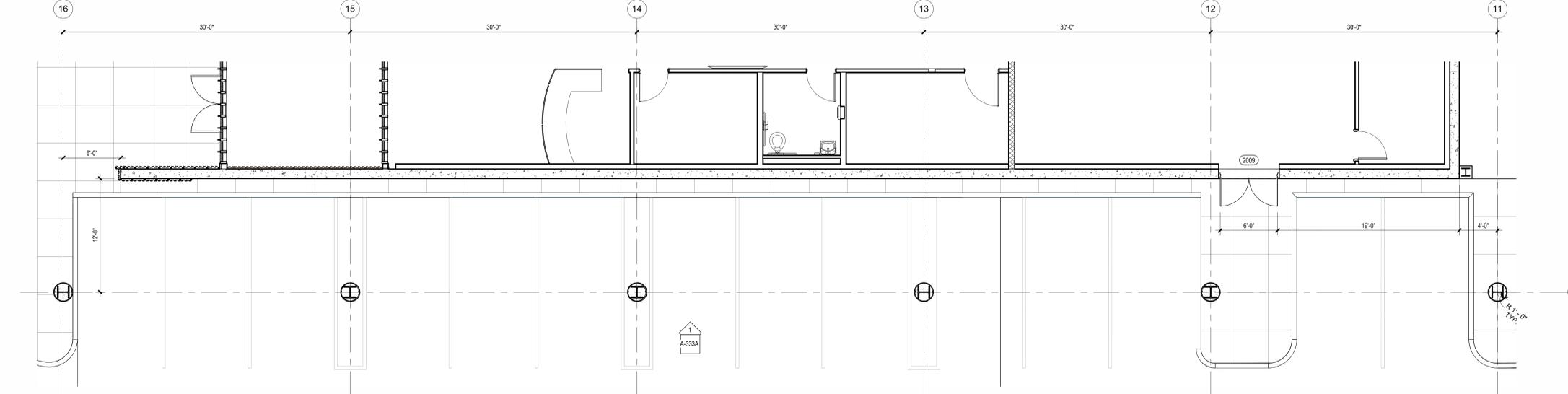
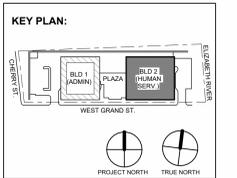


**3 BUILDING NO. 2 - LEVEL 1 - NORTH WALL ENLARGED PLAN**  
SCALE: 3/16" = 1'-0"

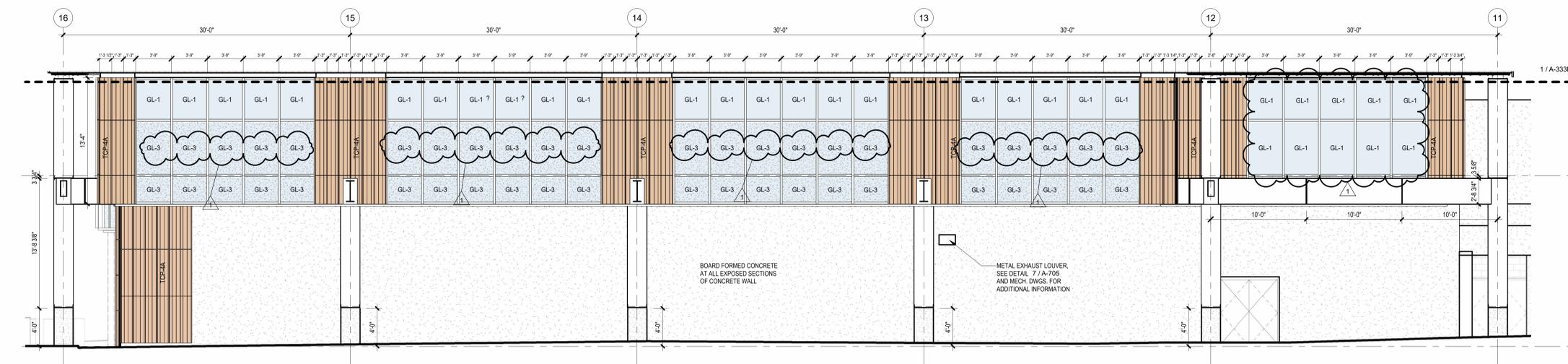
MATERIAL LEGEND	
	GL-1 1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3 1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4 1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5 1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1 COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2 COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3 COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP TERRACOTTA WALL SYSTEM FLAT
	TCP-4A TERRACOTTA WALL SYSTEM FLUTED
	CMP-5 CORRUGATED METAL PANEL
	CMP-6 CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1 SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

ELEVATION SYMBOL LEGEND	
	AA-1 WINDOW / CURTAIN WALL DESIGNATION SEE SHEET CS-702 FOR ADDITIONAL INFORMATION

**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 5600PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084413



**2 BUILDING NO. 2 - LEVEL 0 - NORTH WALL ENLARGED PLAN**  
SCALE: 3/16" = 1'-0"



**1 BUILDING NO. 2 - ENLARGED NORTH EXTERIOR ELEVATION**  
SCALE: 3/16" = 1'-0"

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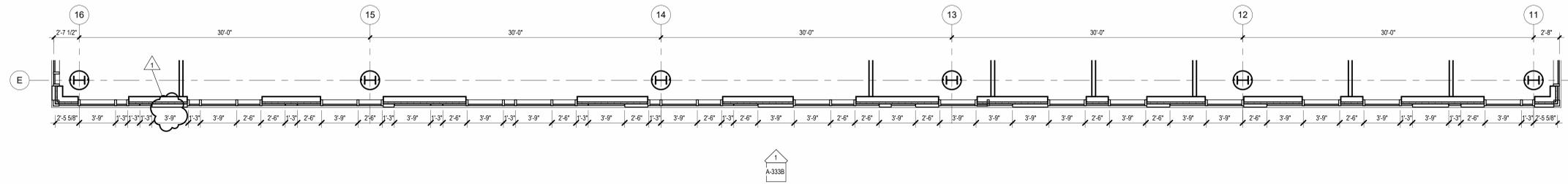
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Project:  
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NEW JERSEY, 07202

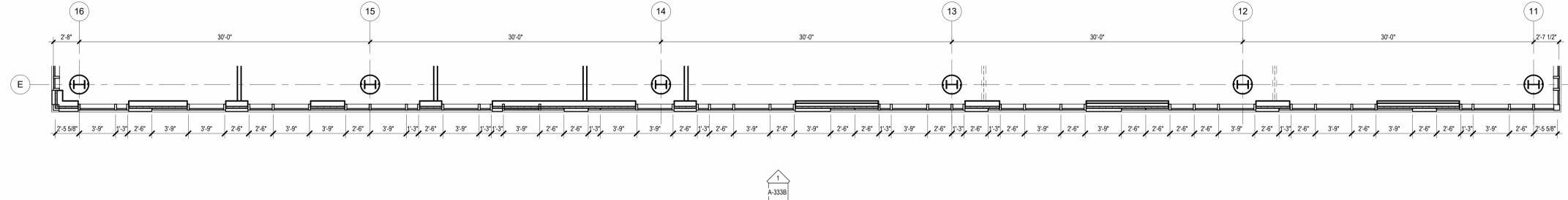
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Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

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**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO. 2 NORTH**

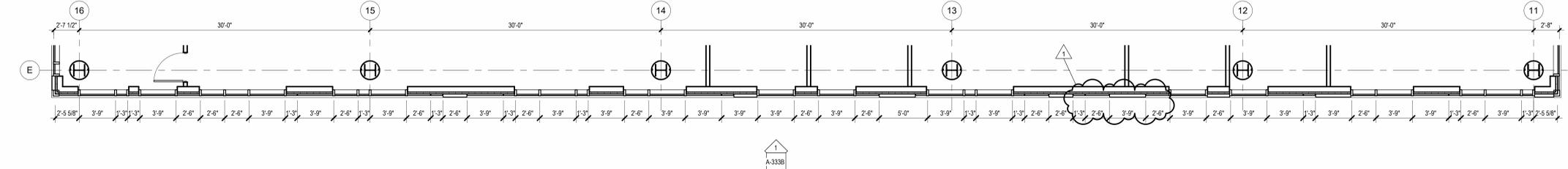
Sheet No:  
**A-333A**



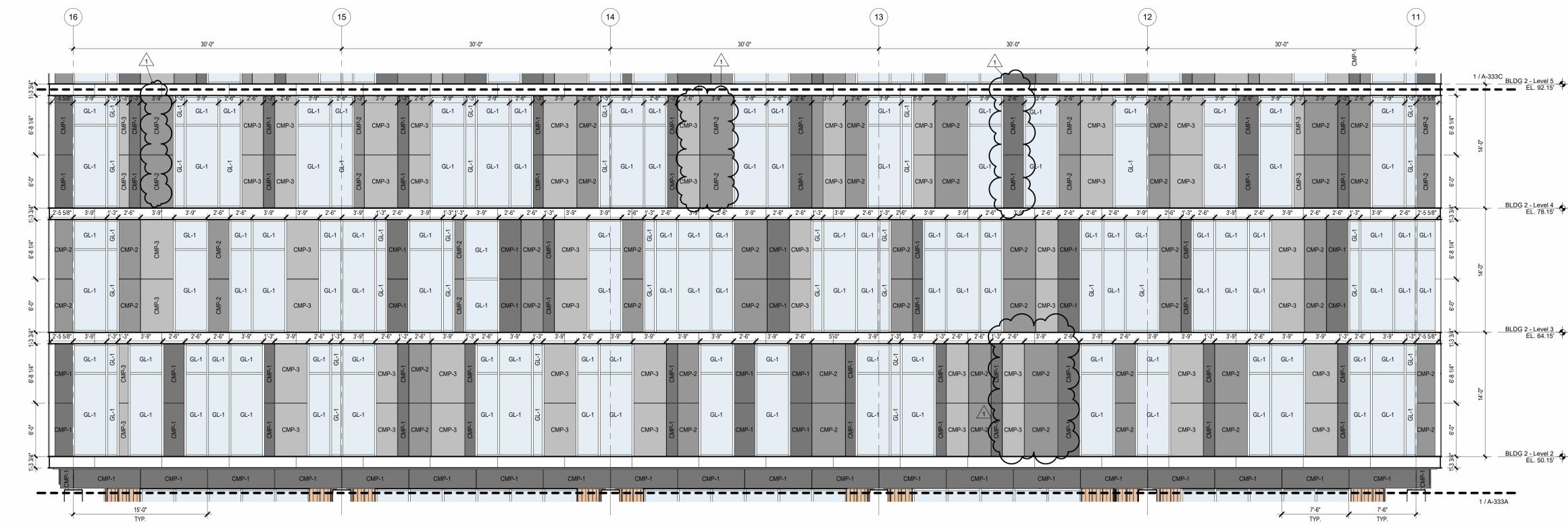
**4 BUILDING NO. 2 - LEVEL 4 - NORTH WALL ENLARGED PLAN**  
SCALE: 3/16" = 1'-0"



**3 BUILDING NO. 2 - LEVEL 3 - NORTH WALL ENLARGED PLAN**  
SCALE: 3/16" = 1'-0"



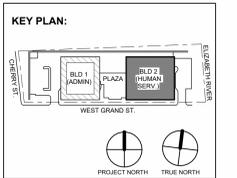
**2 BUILDING NO. 2 - LEVEL 2 - NORTH WALL ENLARGED PLAN**  
SCALE: 3/16" = 1'-0"



**1 BUILDING NO. 2 - ENLARGED NORTH ELEVATION**  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND	
GL-1	1" THICK CLEAR INSULATED TEMPERED GLAZING
GL-3	1" THICK CERAMIC FRIT SPANDREL GLAZING
GL-4	1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
GL-5	1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
CMP-1	COMPOSITE METAL PANEL WITH COLOR NO. 1
CMP-2	COMPOSITE METAL PANEL WITH COLOR NO. 2
CMP-3	COMPOSITE METAL PANEL WITH COLOR NO. 3
TCP-4	TERRACOTTA WALL SYSTEM FLAT
TCP-4A	TERRACOTTA WALL SYSTEM FLUTED
CMP-5	CORRUGATED METAL PANEL
CMP-6	CORRUGATED METAL PANEL W/ PERFORATIONS
CW-1	SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS, BASIS OF DESIGN: EFCO SERIES 9600PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084115



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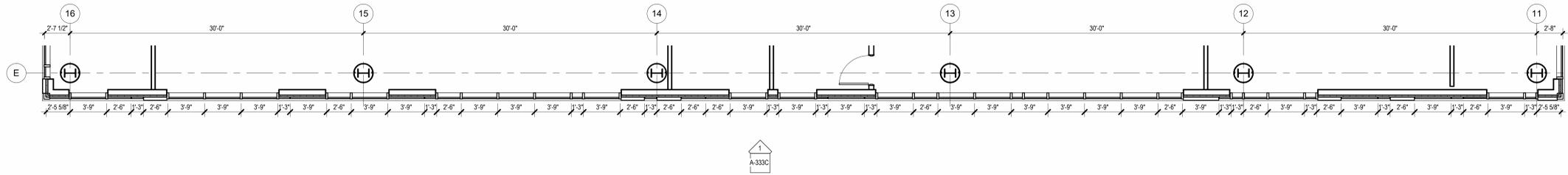
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 NEW JERSEY, 07202

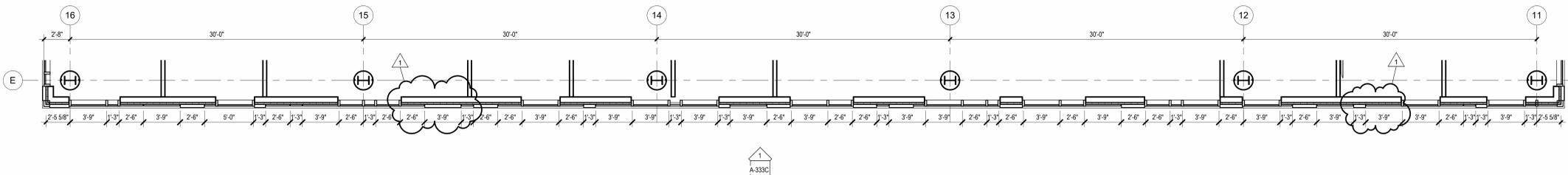
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 Date: 11.08.2023  
 Drawn By: JB / AV / PC  
 Checked By: JM / SH

Sheet Name:  
**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO. 2 NORTH**

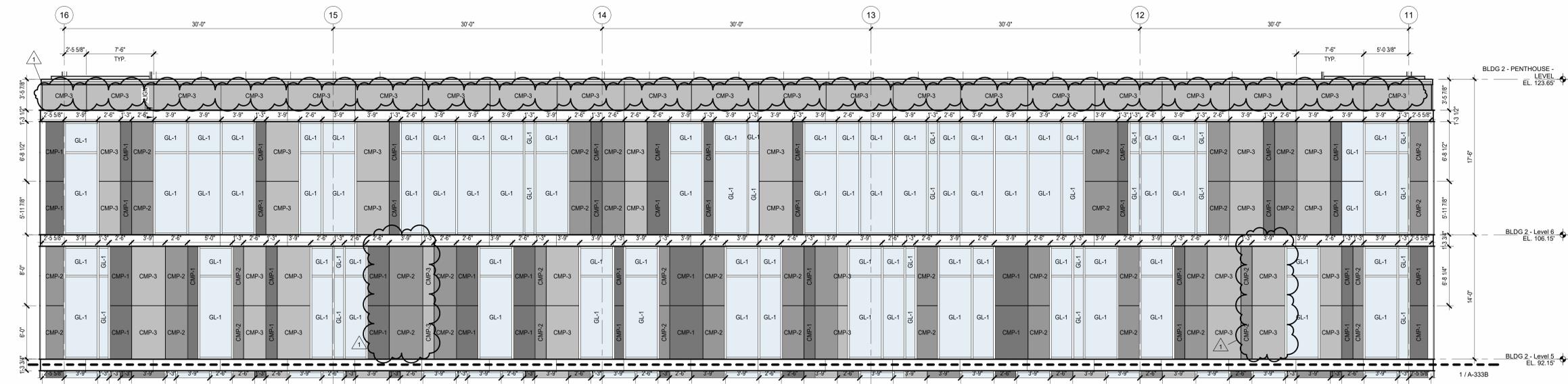
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**3 BUILDING NO. 2 - LEVEL 6 - NORTH WALL ENLARGED PLAN**  
SCALE: 3/16" = 1'-0"



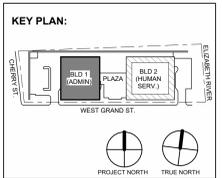
**2 BUILDING NO. 2 - LEVEL 5 - NORTH WALL ENLARGED PLAN**  
SCALE: 3/16" = 1'-0"



**1 BUILDING NO. 2 - ENLARGED NORTH ELEVATION**  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND		
	GL-1	1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3	1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4	1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5	1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1	COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2	COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3	COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP-4	TERRACOTTA WALL SYSTEM FLAT
	TCP-4A	TERRACOTTA WALL SYSTEM FLUTED
	CMP-5	CORRUGATED METAL PANEL
	CMP-6	CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1	SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 5600PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113



No.	Date	Description
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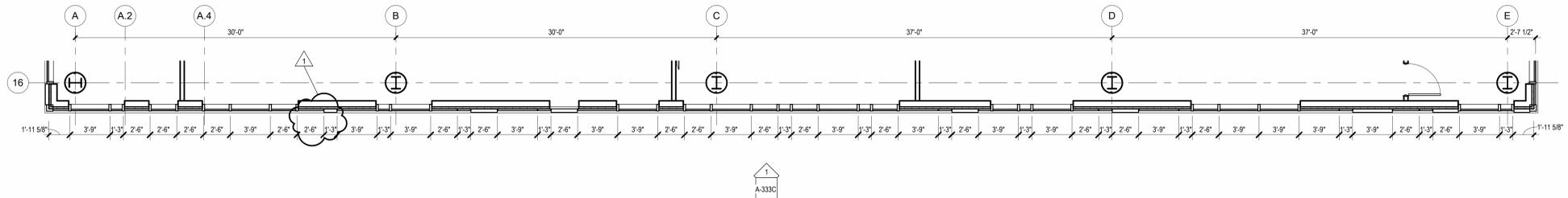
Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

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

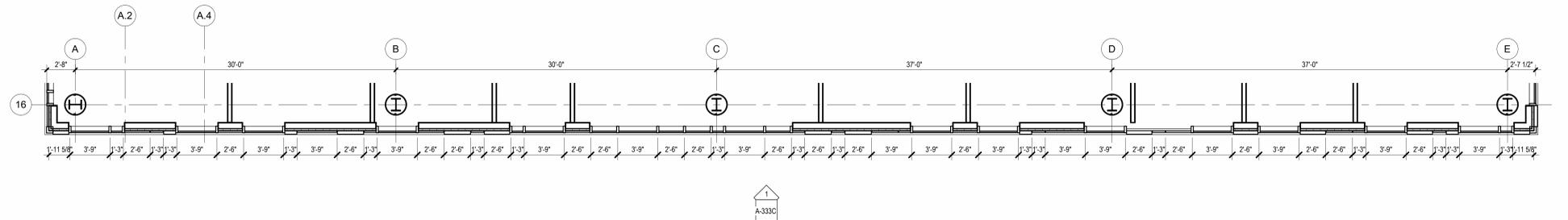
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Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO. 2 NORTH**

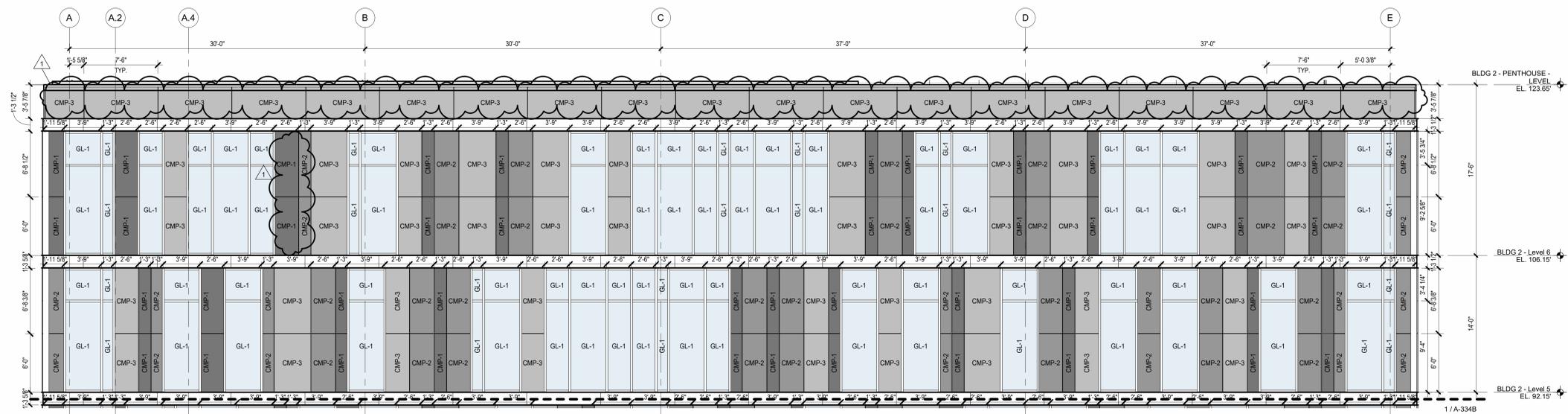
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**A-333C**



**3 BUILDING NO. 2 - LEVEL 6 - EAST WALL ENLARGED PLAN**  
SCALE: 3/16" = 1'-0"



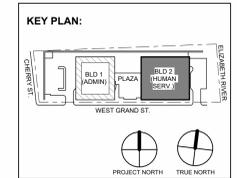
**2 BUILDING NO. 2 - LEVEL 5 - EAST WALL ENLARGED PLAN**  
SCALE: 3/16" = 1'-0"



**1 BUILDING NO. 2 - ENLARGED EAST ELEVATION**  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND		
	GL-1	1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3	1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4	1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5	1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1	COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2	COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3	COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP-4	TERRACOTTA WALL SYSTEM FLAT
	TCP-4A	TERRACOTTA WALL SYSTEM FLUTED
	CMP-5	CORRUGATED METAL PANEL
	CMP-6	CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1	SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 5600PG PRE-GLAZED CURTAIN WALL 7-1/2" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113



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2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400  
Jeffrey D. Venezia, AIA  
NJ RA AI 00827100

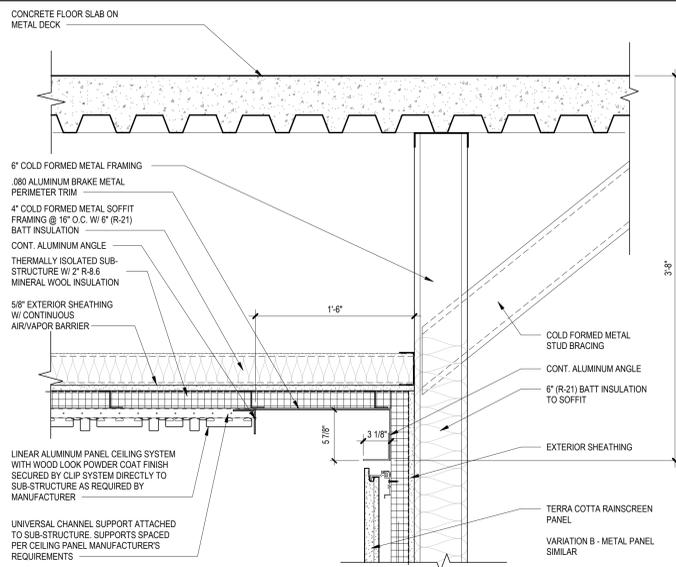
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**UNION COUNTY IMPROVEMENT AUTHORITY**

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

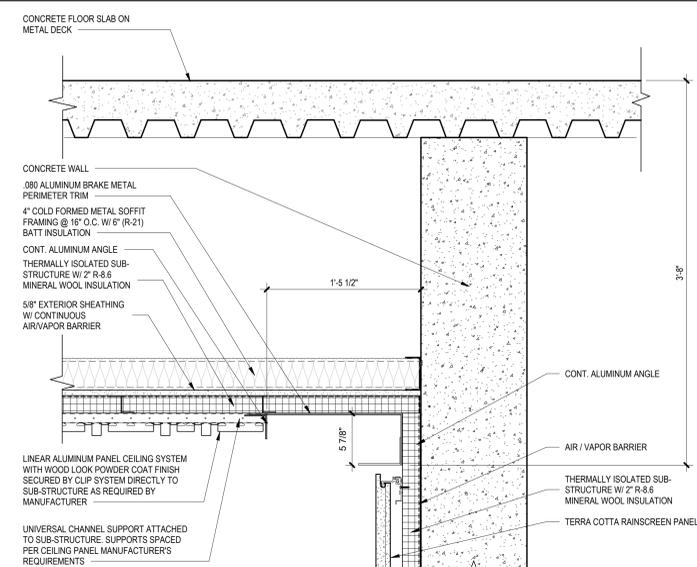
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Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

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**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO. 2 EAST**

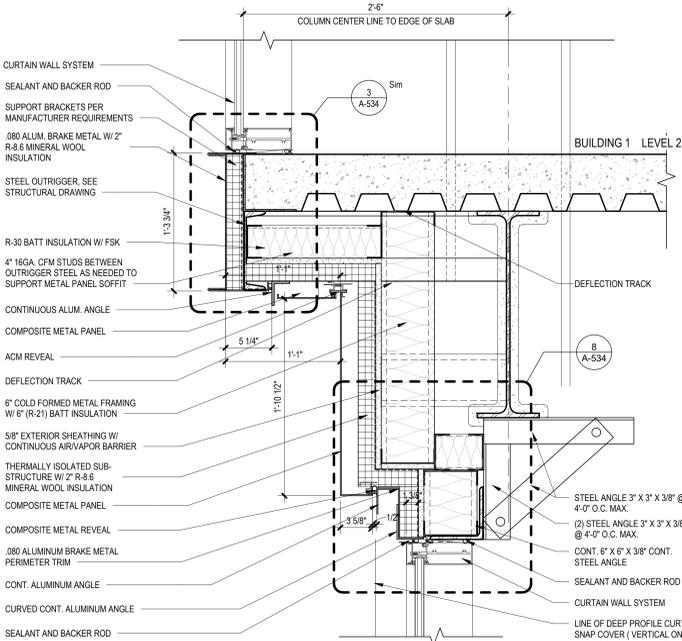
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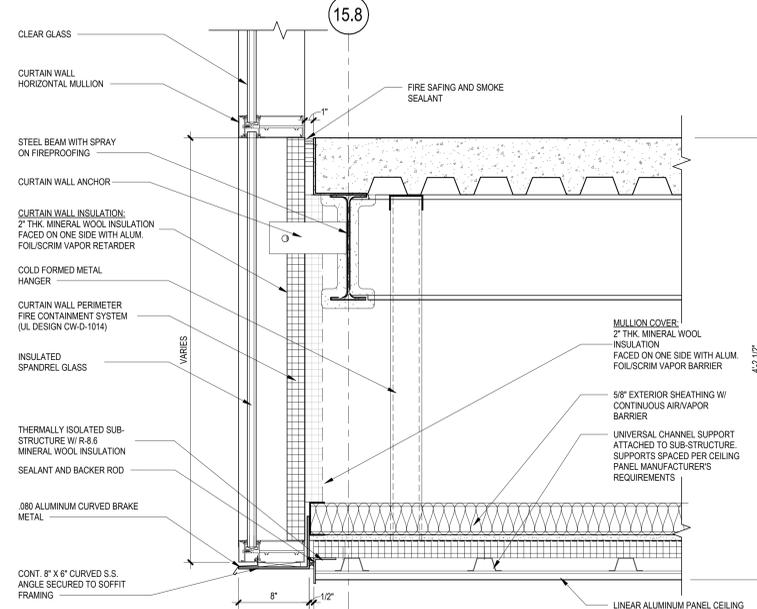
**1 SOFFIT DETAIL @ RAINSCREEN WALL**  
SCALE: 1 1/2" = 1'-0"



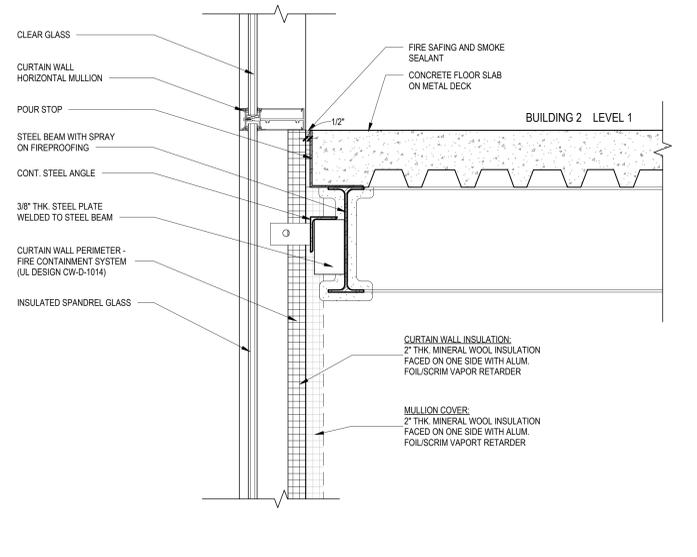
**3 SOFFIT DETAIL @ CONCRETE WALL**  
SCALE: 1 1/2" = 1'-0"



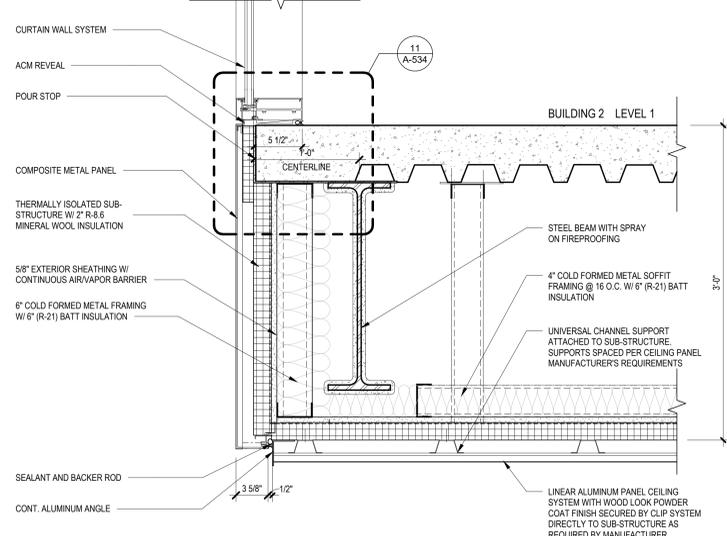
**4 DETAIL @ CURVED CURTAIN WALL**  
SCALE: 1 1/2" = 1'-0"



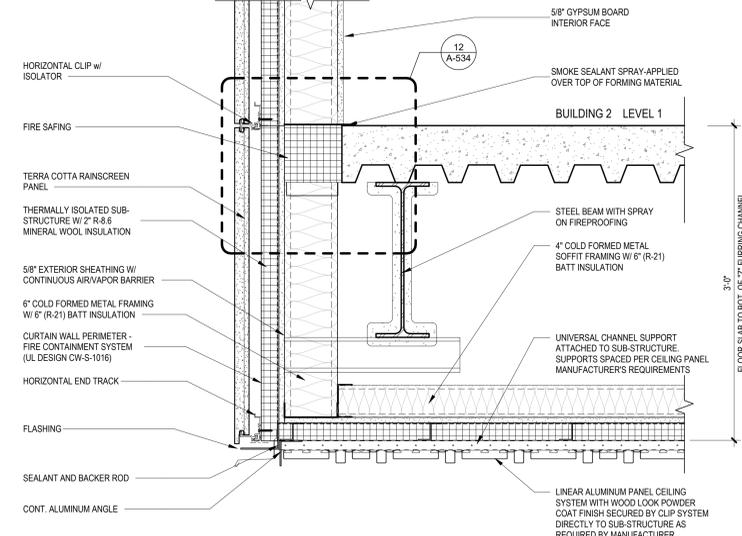
**5 SOFFIT DETAIL @ CURVED CURTAIN WALL**  
SCALE: 1 1/2" = 1'-0"



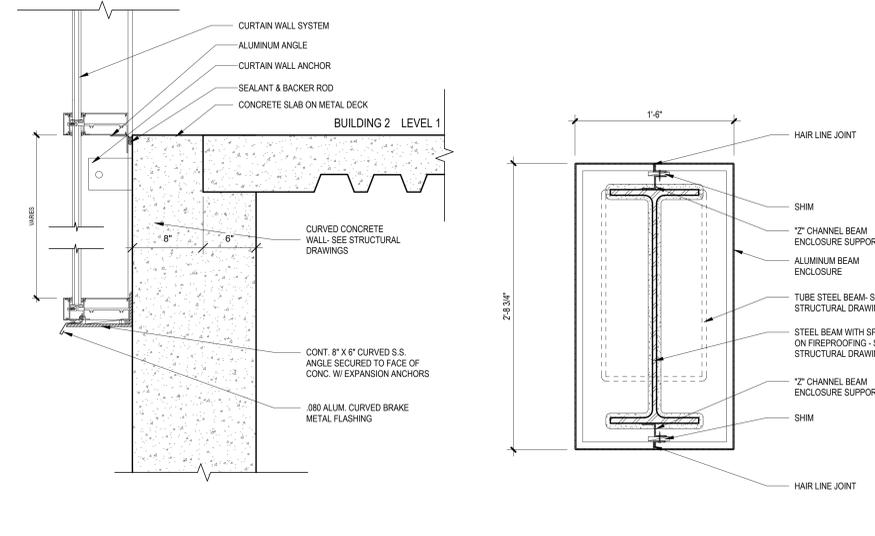
**6 CURTAIN WALL DETAIL @ SLAB EDGE**  
SCALE: 1 1/2" = 1'-0"



**7 (NOT USED) SOFFIT DETAIL BELOW CURTAIN WALL**  
SCALE: 1 1/2" = 1'-0"

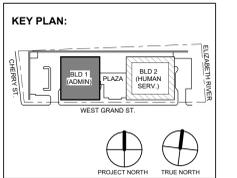


**8 SOFFIT DETAIL**  
SCALE: 1 1/2" = 1'-0"



**9 CURTAIN WALL SILL @ CONCRETE WALL**  
SCALE: 1 1/2" = 1'-0"

**10 TYP. STEEL BEAM ENCLOSURE DETAIL**  
SCALE: 1 1/2" = 1'-0"



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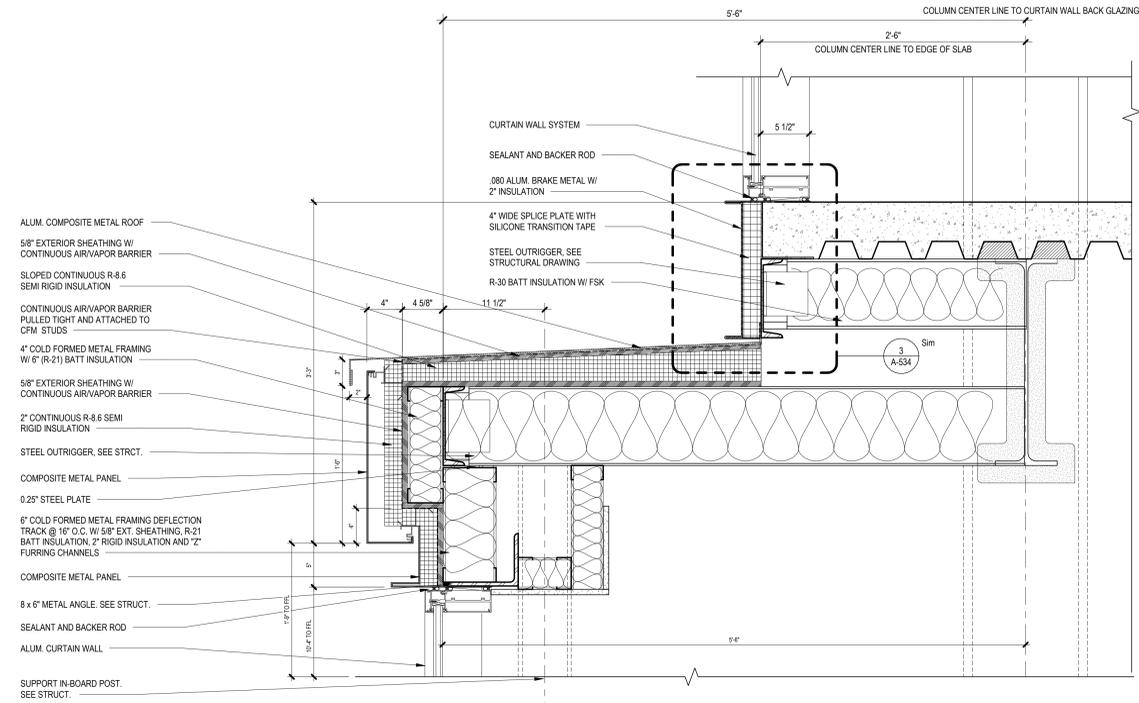
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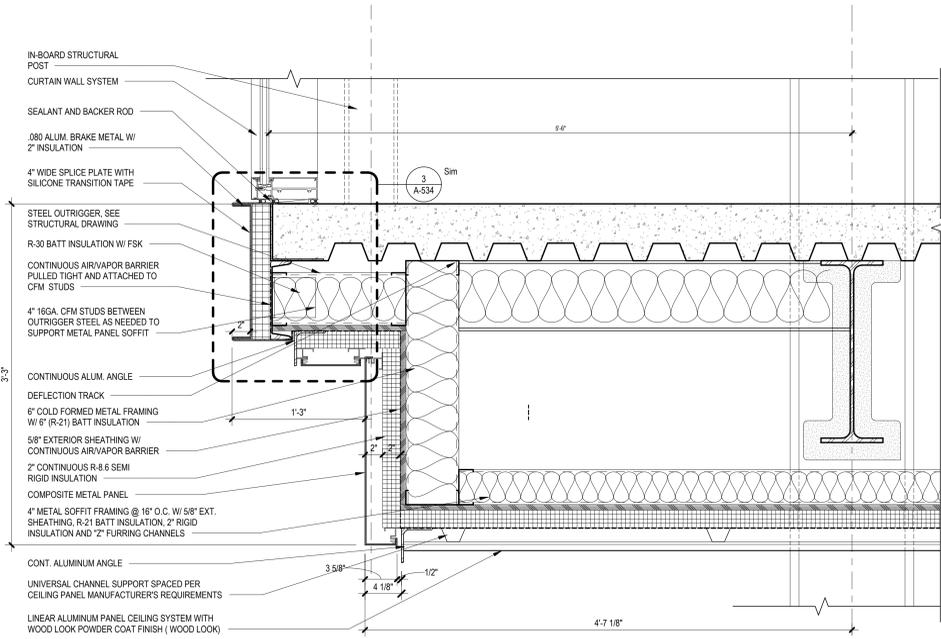
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**EXTERIOR WALL SECTION DETAILS**

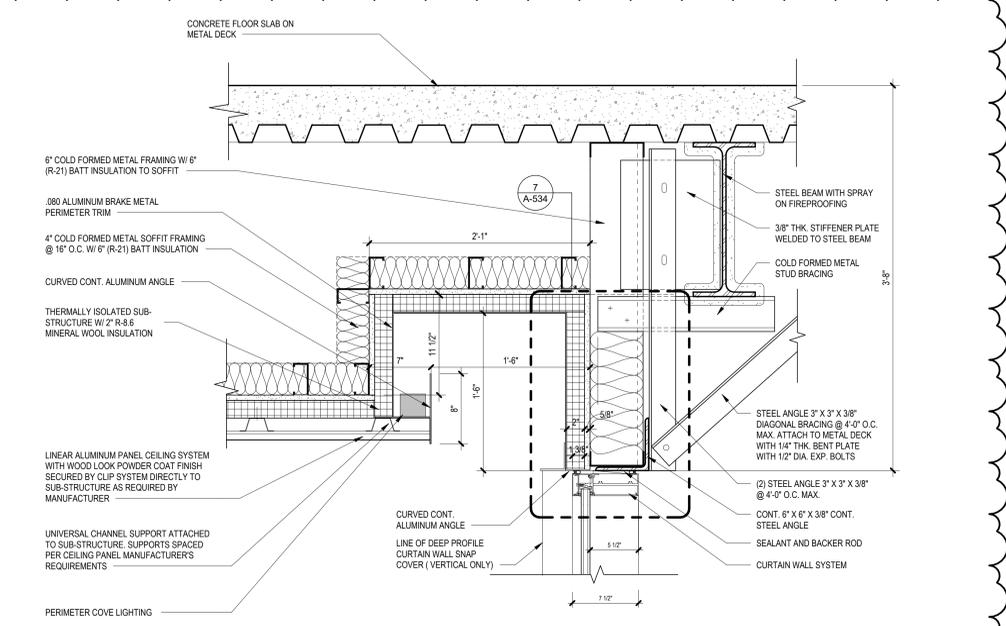
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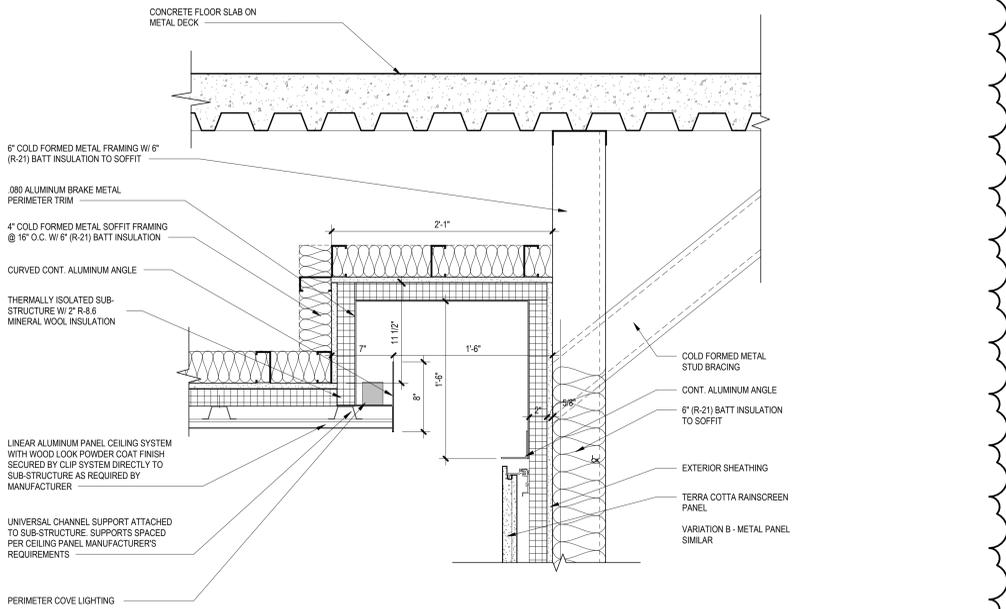
**1 SOFFIT DETAIL COMMISSIONER CONFERENCE**  
SCALE: 1 1/2" = 1'-0"



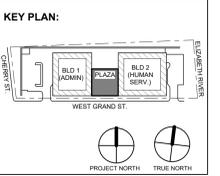
**2 LOWER SOFFIT DETAIL @ COMMISSIONER CONFERENCE**  
SCALE: 1 1/2" = 1'-0"



**3 SOFFIT DETAIL @ CURTAIN WALL WITH LINEAR COVE LIGHTING**  
SCALE: 1 1/2" = 1'-0"



**4 SOFFIT DETAIL @ RAINSCREEN WALL WITH LINEAR COVE LIGHTING**  
SCALE: 1 1/2" = 1'-0"



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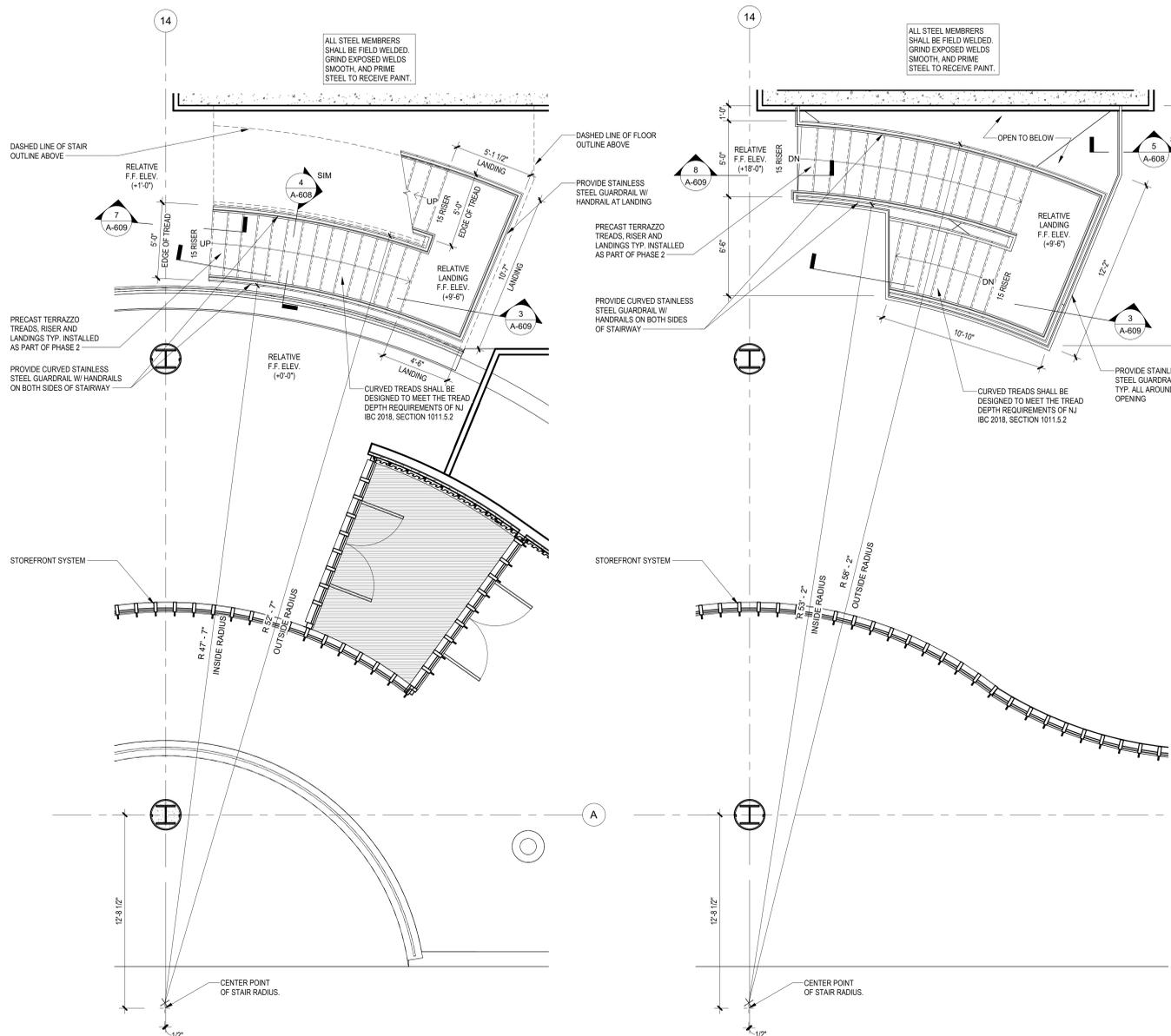
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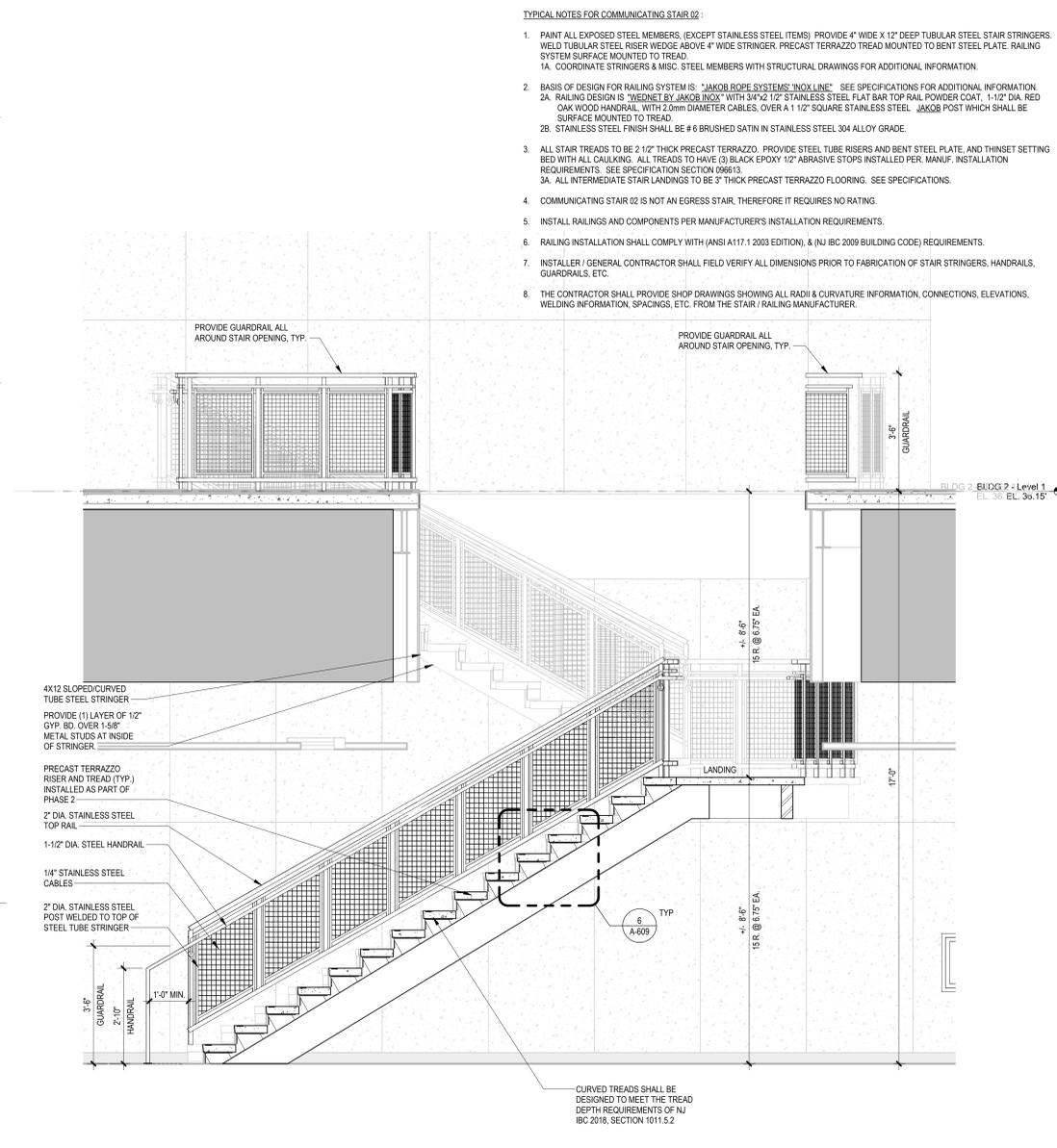
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Sheet No:  
**A-540**

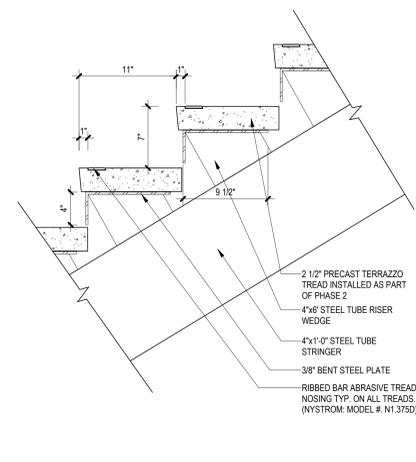


1 BLDG 2 - LEVEL 0 (GROUND) COMMUNICATING STAIR 02  
SCALE: 1/4" = 1'-0"

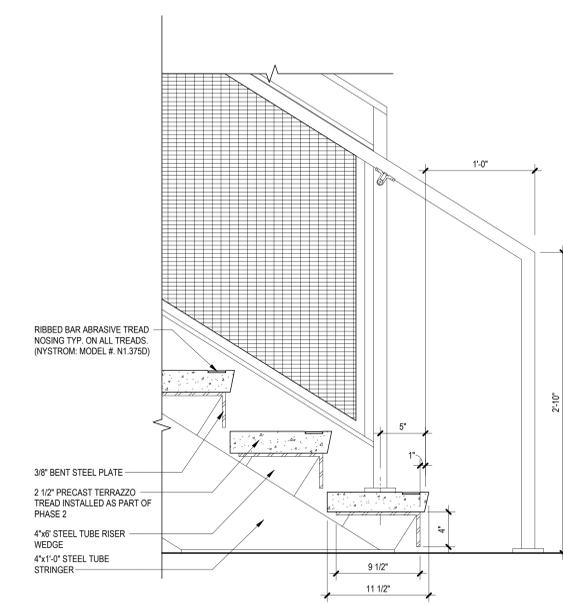
2 BLDG 2 - LEVEL 1 COMMUNICATING STAIR 02  
SCALE: 1/4" = 1'-0"



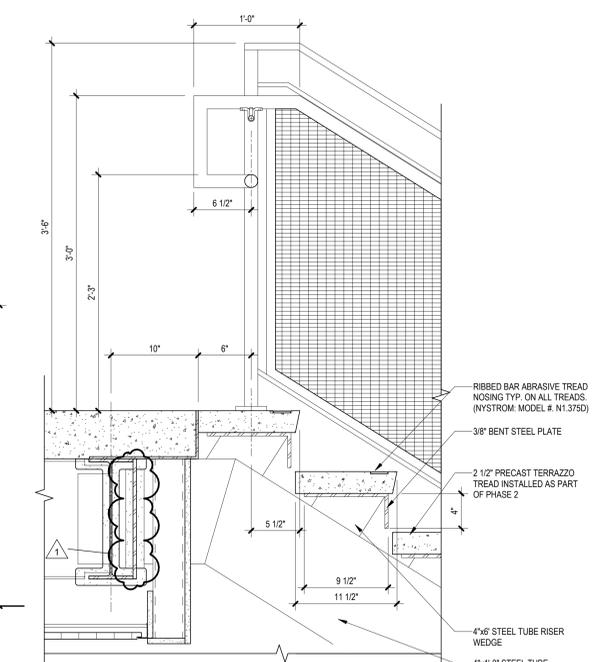
3 BLDG 2 COMMUNICATING STAIR 02 SECTION  
SCALE: 1/2" = 1'-0"



6 COMMUNICATING STAIR - RISE AND RUN TYP.  
SCALE: 1 1/2" = 1'-0"

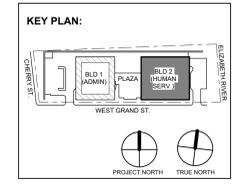


7 COMMUNICATING STAIR - TYPICAL AT BOTTOM  
SCALE: 1 1/2" = 1'-0"



8 COMMUNICATING STAIR - TYPICAL AT TOP  
SCALE: 1 1/2" = 1'-0"

- TYPICAL NOTES FOR COMMUNICATING STAIR 02:**
1. PAINT ALL EXPOSED STEEL MEMBERS (EXCEPT STAINLESS STEEL ITEMS). PROVIDE 4" WIDE X 12" DEEP TUBULAR STEEL STAIR STRINGERS. WELD TUBULAR STEEL RISER WEDGE ABOVE 4" WIDE STRINGER. PRECAST TERRAZZO TREAD MOUNTED TO BENT STEEL PLATE. RAILING SYSTEM SURFACE MOUNTED TO TREAD.
  2. BASIS OF DESIGN FOR RAILING SYSTEM IS "JAKOB ROPE SYSTEMS INOX LINE". SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  3. ALL STAIR TREADS TO BE 2 1/2" THICK PRECAST TERRAZZO. PROVIDE STEEL TUBE RISERS AND BENT STEEL PLATE. AND THINSET SETTING BED WITH ALL CAULKING. ALL TREADS TO HAVE (3) BLACK EPOXY 1/2" ABRASIVE STOPS INSTALLED PER MANUF. INSTALLATION REQUIREMENTS. SEE SPECIFICATION SECTION 09613.
  4. COMMUNICATING STAIR 02 IS NOT AN EGRESS STAIR, THEREFORE IT REQUIRES NO RATING.
  5. INSTALL LANDINGS AND COMPONENTS PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
  6. RAILING INSTALLATION SHALL COMPLY WITH (ANSI A117.1 2003 EDITION), & (NJ BC 2009 BUILDING CODE) REQUIREMENTS.
  7. INSTALLER / GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF STAIR STRINGERS, HANDRAILS, GUARDRAILS, ETC.
  8. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SHOWING ALL RADI & CURVATURE INFORMATION, CONNECTIONS, ELEVATIONS, WELDING INFORMATION, SPACINGS, ETC. FROM THE STAIR / RAILING MANUFACTURER.



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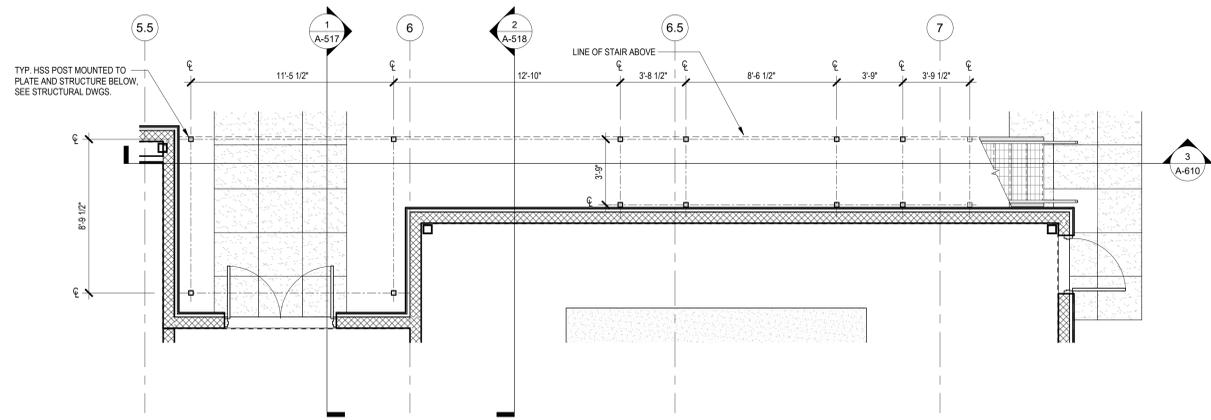
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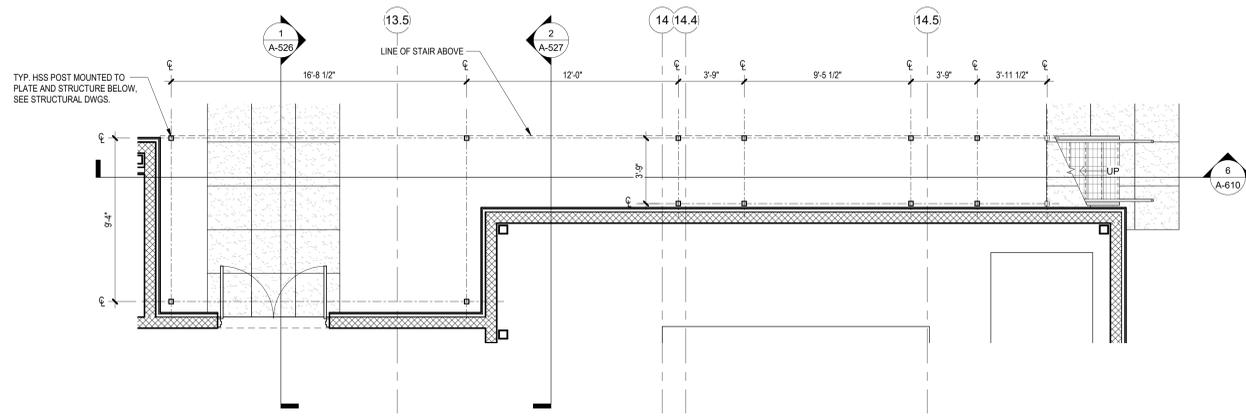
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**BUILDING NO. 2 - COMMUNICATING STAIR PLANS AND SECTIONS**

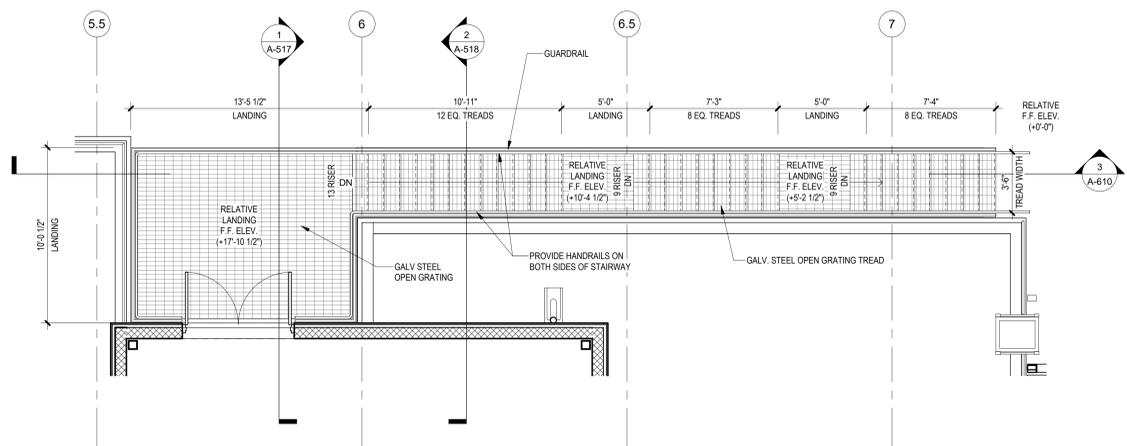
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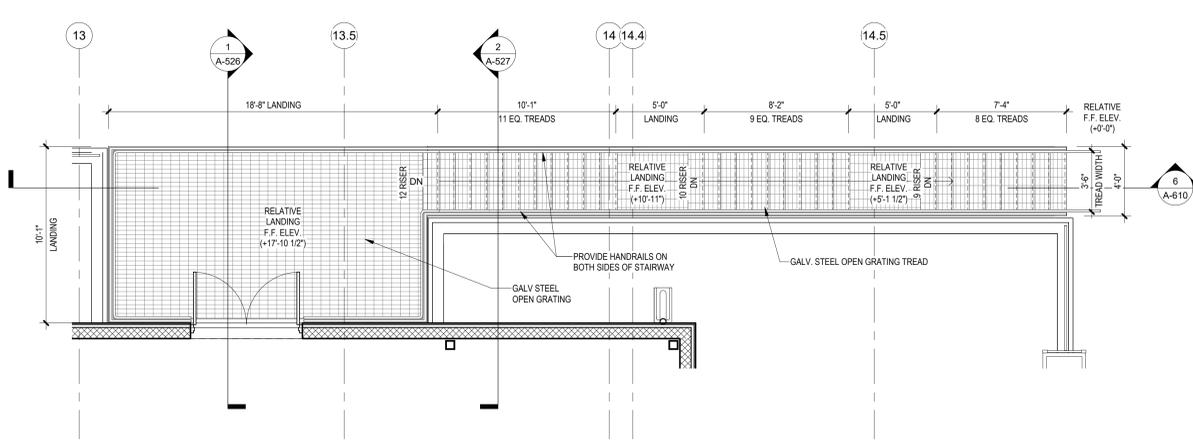
1 BLDG 1 - EXTERIOR METAL STAIR POST PLAN  
SCALE: 1/4" = 1'-0"



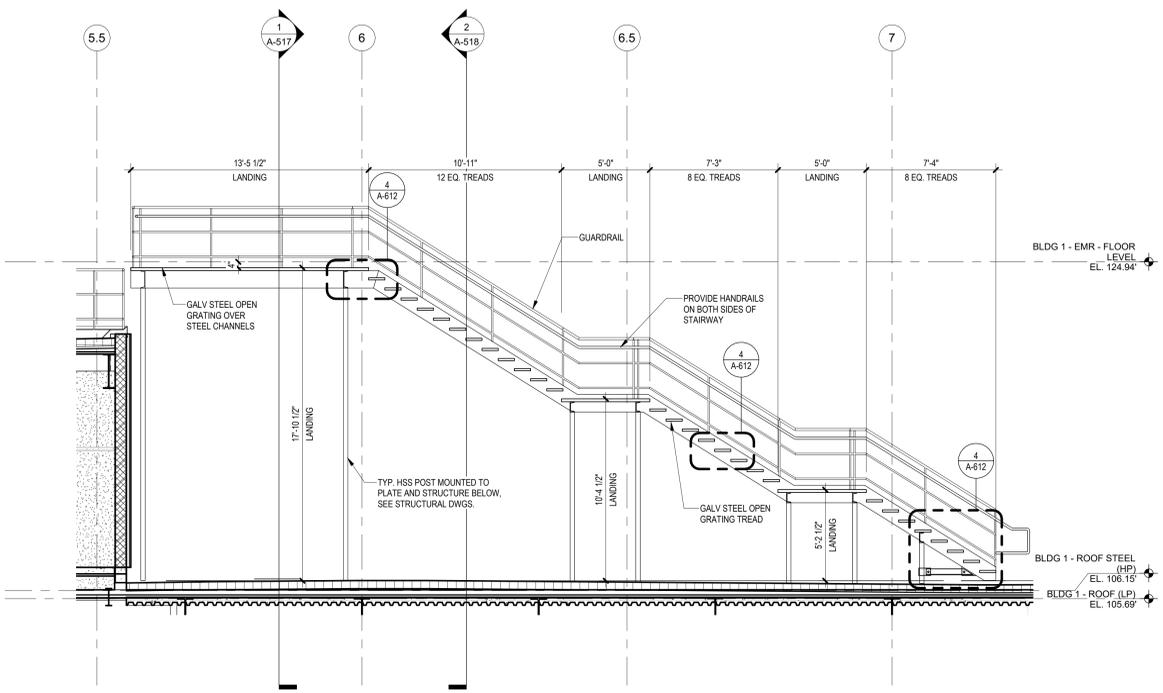
4 BLDG 2 - EXTERIOR METAL STAIR POST PLAN  
SCALE: 1/4" = 1'-0"



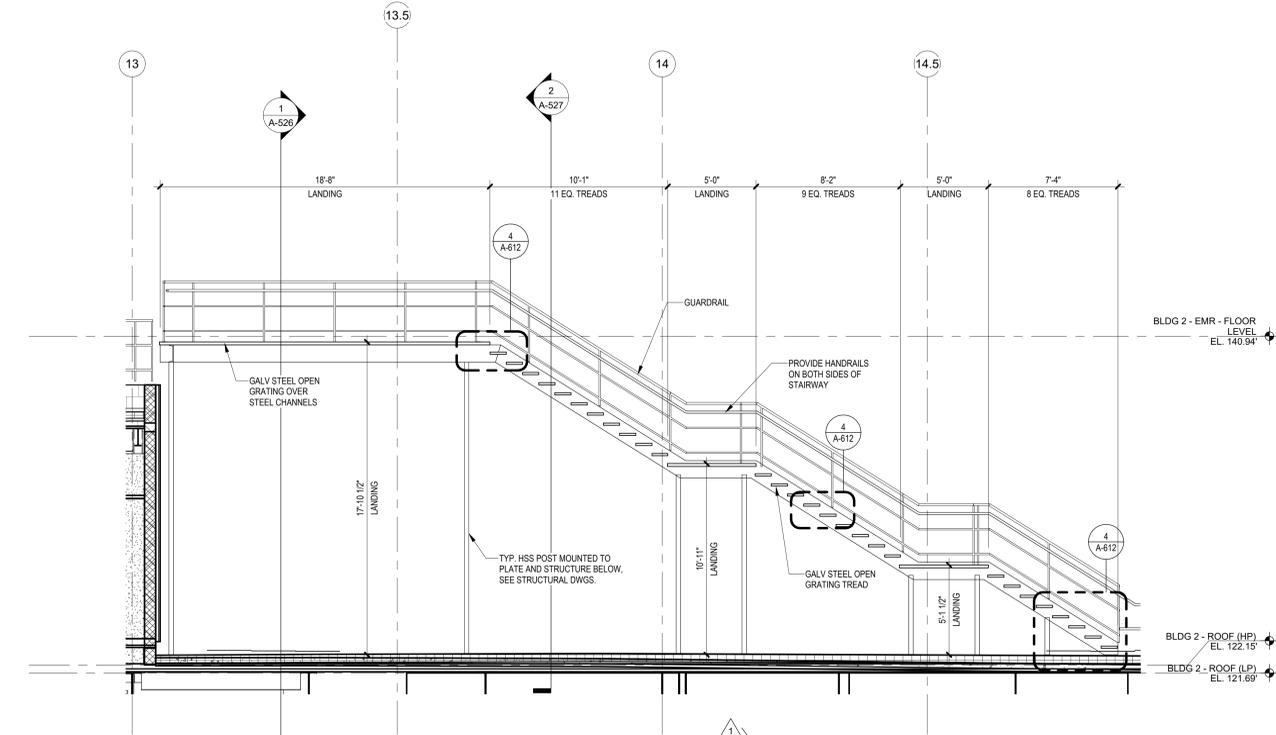
2 BLDG 1 - EXTERIOR METAL STAIR PLAN  
SCALE: 1/4" = 1'-0"



5 BLDG 2 - EXTERIOR METAL STAIR PLAN  
SCALE: 1/4" = 1'-0"

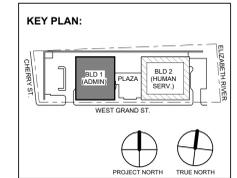


3 BLDG 1 - EXTERIOR METAL STAIR SECTION  
SCALE: 1/4" = 1'-0"



6 BLDG 2 - EXTERIOR METAL STAIR SECTION  
SCALE: 1/4" = 1'-0"

NOTE:  
 1. ALL INTERIOR STAIR TOWER HANDRAILS/ GUARD RAILS SHALL BE PAINTED STEEL.  
 2. EXTERIOR HANDRAILS AT GRADE OR SURROUNDING THE PLAZA SHALL BE STAINLESS STEEL.  
 3. EXTERIOR HANDRAILS/ GUARDRAILS AT ROOF SHALL BE PAINTED STEEL.



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**Revisions / Issues**

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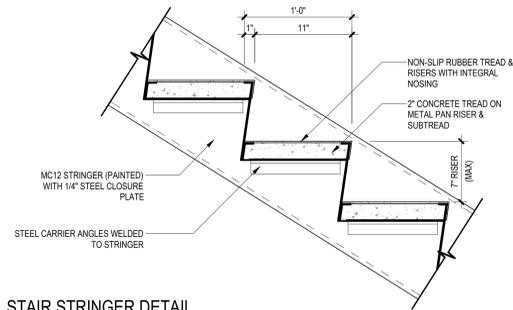
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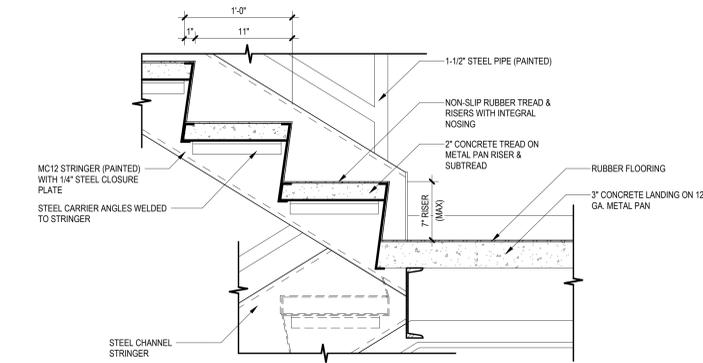
Drawing Information:  
 Project No: 20.072  
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**BUILDING NO. 1 & 2 - EXTERIOR METAL STAIRS**

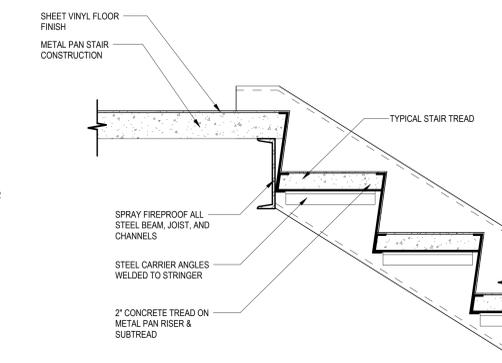
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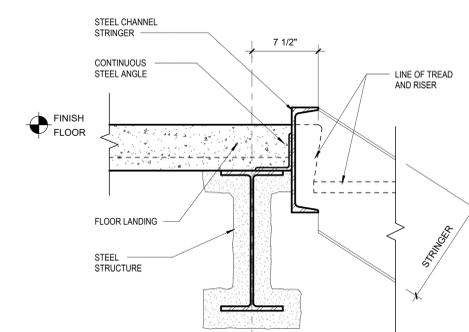
1 STAIR STRINGER DETAIL  
SCALE: 1 1/2" = 1'-0"



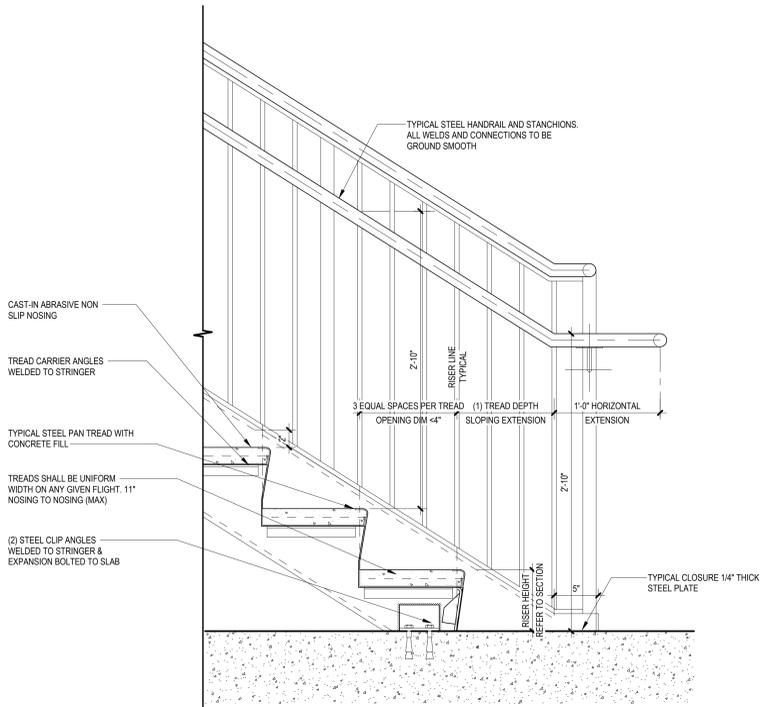
2 LOWER LANDING STAIR DETAIL  
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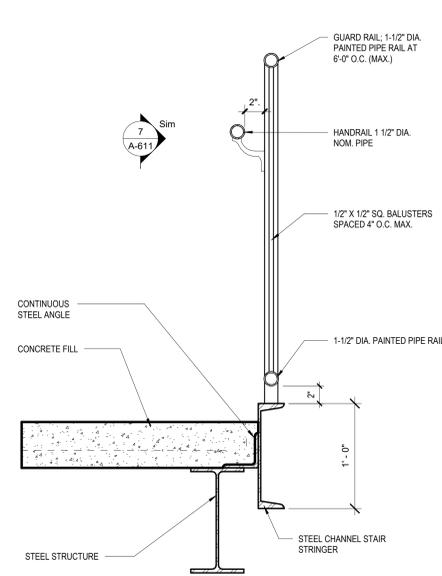
3 STAIR TOP LANDING DETAIL  
SCALE: 1 1/2" = 1'-0"



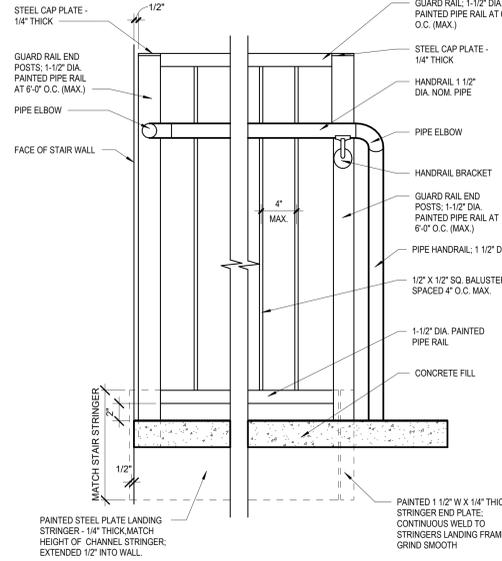
4 TOP LANDING DETAIL  
SCALE: 1 1/2" = 1'-0"



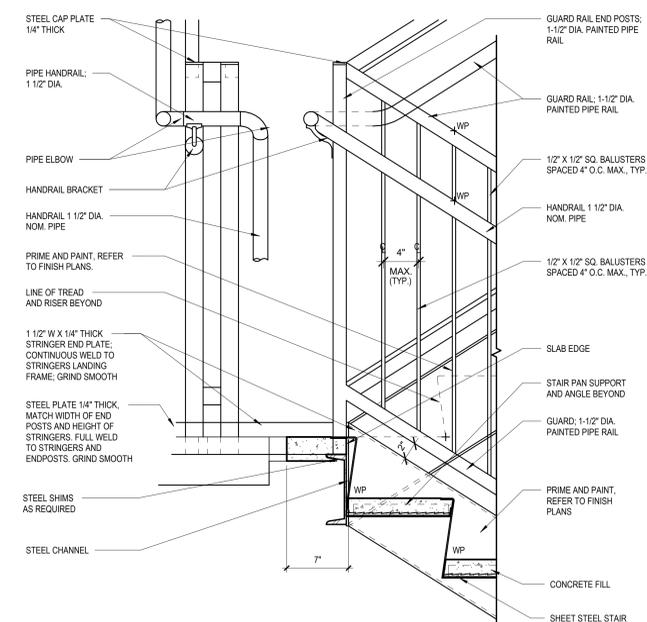
5 GUARDRAIL BOTTOM LANDING  
SCALE: 1 1/2" = 1'-0"



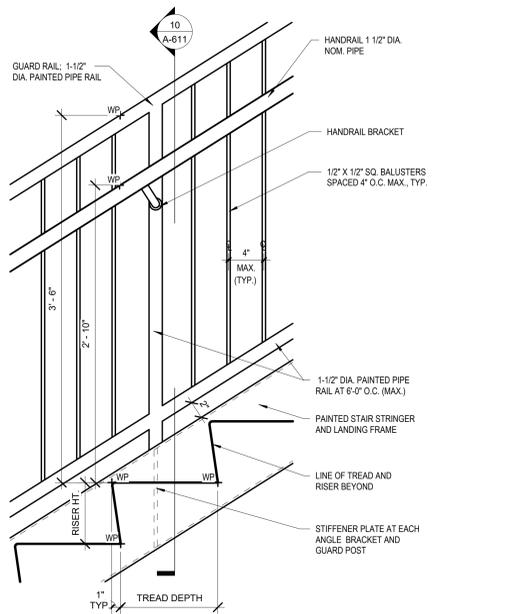
6 GUARD AT TOP LANDING  
SCALE: 1 1/2" = 1'-0"



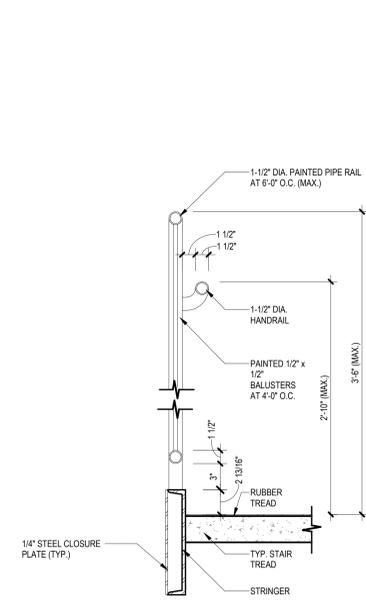
7 GUARD AT TOP LANDING  
SCALE: 1 1/2" = 1'-0"



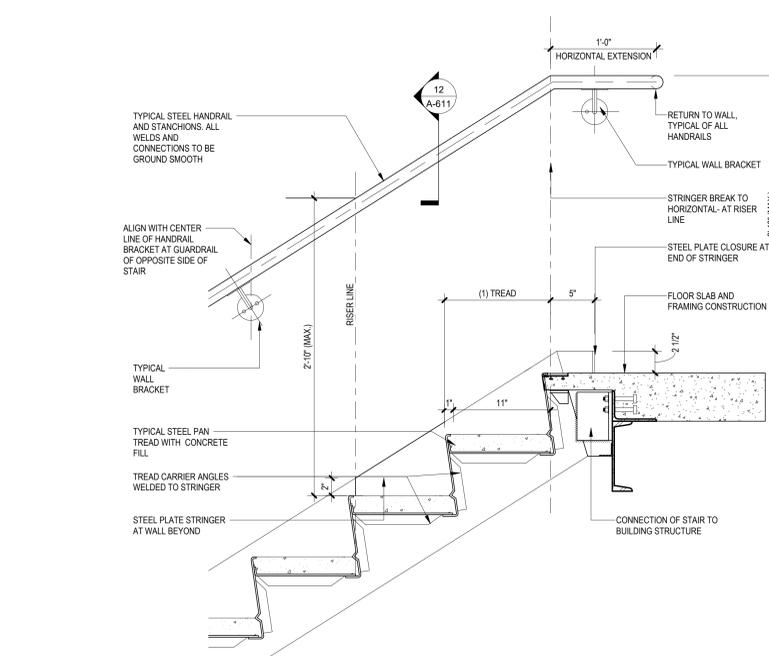
8 HANDRAIL AT FLOOR LANDING  
SCALE: 1 1/2" = 1'-0"



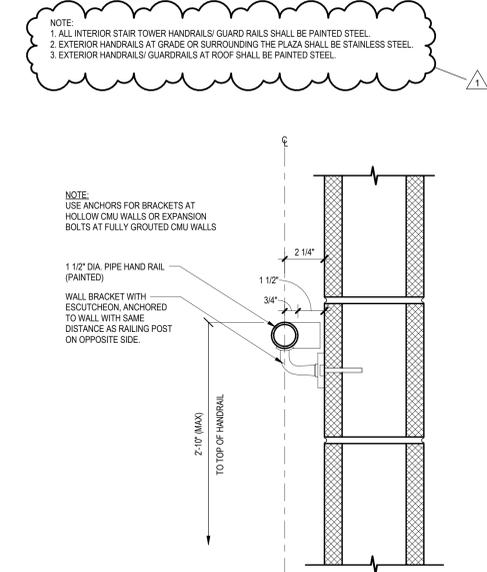
9 STRINGER MOUNTED GUARDRAIL POST  
SCALE: 1 1/2" = 1'-0"



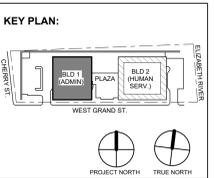
10 STAIR/GUARD RAIL DETAIL  
SCALE: 1 1/2" = 1'-0"



11 HANDRAIL-TOP-STEEL BEAM  
SCALE: 1 1/2" = 1'-0"



12 WALL RAILING DETAIL  
SCALE: 3" = 1'-0"



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Sheet Name:  
**STAIR DETAILS**

Sheet No:  
**A-611**