BUDC

Buffalo Urban Development Corporation

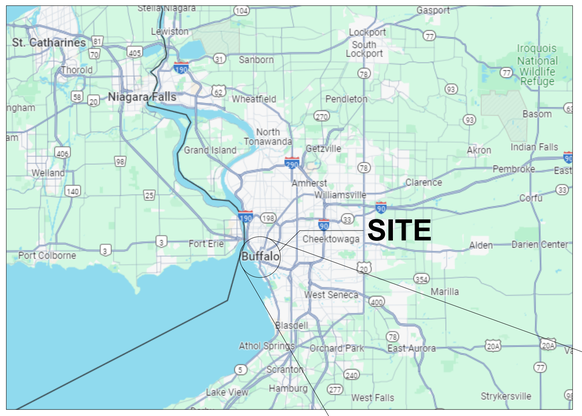
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

631 NORTHLAND AVE.
BUFFALO, NY 14211
INDUSTRIAL MANUFACTURING BUILDING

October 1, 2025

ISSUED FOR BID





PROJECT LOCATION

wendel

Centerpointe Corporate Park
375 Essjay Road, Suite 200
Williamsville, NY 14221
www.wendelcompanies.com
p:716.688.0766 tf:877.293.6335

Wendel Project No. 432607

NOTE: THIS PROPERTY HAS BEEN DETERMINED TO POSSESS HISTORIC AND ARCHITECTURAL SIGNIFICANCE AND IS LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES. THE CONTRACTOR SHALL RECOGNIZE THAT ALL ASPECTS OF THE PROPERTY MAY POTENTIALLY CONTRIBUTE TO THIS SIGNIFICANCE, AND THE CONTRACTOR SHALL NOT JUDGE THE RELATIVE SIGNIFICANCE OF ANY FEATURES NOR THE IMPACT OF ANY OR ALL PROPOSED WORK. THE RELATIVE SIGNIFICANCE AND IMPACT RESPONSIBILITY SHALL REST SOLELY WITH THE ARCHITECT IN COORDINATION WITH THE HISTORIC PRESERVATION CONSULTANT, WITH THE REVIEW OF THE NYSHPO AND THE NATIONAL PARK SERVICE. CONSEQUENTLY, NO DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE PERFORMED, AND NO FEATURES OR MATERIALS SHALL BE ALTERED, REMOVED, REUSED, OR TAKEN FROM THE PREMISES, WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AS BEING CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ALL WORK SHALL BE CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES.

DRAWING LIST	
SHEET NUMBER	SHEET NAME
GENERAL	
G000	COVER SHEET
G001	SYMBOLS & ABBREVIATIONS
G002	CODE COMPLIANCE PLAN
G003	UL ASSEMBLIES
G004	RENDERINGS
ENVIRONMENTAL	
HM-100	HAZARDOUS MATERIALS ABATEMENT PLAN - GENERAL NOTES
HM-101	HAZARDOUS MATERIALS ABATEMENT PLAN - GROUND FLOOR PLAN
HM-102	HAZARDOUS MATERIALS ABATEMENT PLAN - GROUND FLOOR PLAN
HM-103	HAZARDOUS MATERIALS ABATEMENT PLAN - ROOF PLAN
HM-104	HAZARDOUS MATERIALS ABATEMENT PLAN - ROOF PLAN
HM-105	HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION EAST
HM-106	HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION EAST
HM-107	HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION WEST
HM-108	HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION WEST
HM-109	HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION NORTH
HM-110	HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION NORTH
CIVIL	
C101	EXISTING CONDITIONS PLAN
C102	EROSION AND SEDIMENT CONTROL PLAN
C103	SITE PREPARATION / DEMOLITION PLAN
C201	SITE LAYOUT AND UTILITY PLAN
C301	GRADING AND DRAINAGE PLAN
C501	EROSION AND SEDIMENT CONTROL DETAILS
C502	SITE DETAILS
C503	STORM SEWER DETAILS
C504	SANITARY SEWER DETAILS
C505	WATERLINE DETAILS
LANDSCAPE	
L401	SITE PLANTING PLAN
L501	LANDSCAPE DETAILS
STRUCTURAL	
S000	GENERAL NOTES
S001	STRUCTURAL DESIGN CRITERIA - SPECIAL INSPECTION NOTES AND ROOF WIND LOAD ZONES
S002	NORTH AND SOUTH EXTERIOR WALL COMPONENTS AND CLADDING WIND LOAD ZONES
S003	EAST EXTERIOR WALL COMPONENTS AND CLADDING WIND LOAD ZONES
S004	WEST EXTERIOR WALL COMPONENTS AND CLADDING WIND LOAD ZONES
S101A	PARTIAL FOUNDATION / GROUND FLOOR FRAMING PLAN - NORTH
S101B	PARTIAL FOUNDATION / GROUND FLOOR FRAMING PLAN - SOUTH
S102A	PARTIAL PLAN AT CRANE GIRDER LEVEL - NORTH
S102B	PARTIAL PLAN AT CRANE GIRDER LEVEL - SOUTH
S103A	PARTIAL ROOF FRAMING PLAN - NORTH
S103B	PARTIAL ROOF FRAMING PLAN - SOUTH
S103C	LOW ROOF FRAMING PLANS - EAST & WEST
S200	TYPICAL DETAILS
S200A	TYPICAL DETAILS
S201	ENLARGED PARTIAL STAIR REPLACEMENT AT EXISTING GROUND FLOOR
S202	ENLARGED PARTIAL ROOF FRAMING PLANS AT EXISTING PENTHOUSE

DRAWING LIST	
SHEET NUMBER	SHEET NAME
S203	ENLARGED PARTIAL PLANS & DETAILS - NORTH
S203A	LADDER & GUARD RAIL SECTIONS & DETAILS
S204	ENLARGED PARTIAL FOUNDATION / GROUND FLOOR FRAMING PLANS
S205	ADDED MECHANICAL SUPPORT FRAMING
S205A	ADDED MECHANICAL SUPPORT FRAMING
S206	FURNACE INFILL AND REINFORCED CONCRETE RETAINING WALL SECTIONS
S207	PARTIAL ELEVATION & DETAILS REPLACEMENT OF OVER HEAD DOOR IN THE EXTERIOR WEST WALL
S301	NORTH EXTERIOR & INTERIOR ELEVATIONS MASONRY REPAIR
S302	EAST EXTERIOR ELEVATION MASONRY REPAIR
S302A	EAST INTERIOR ELEVATION MASONRY REPAIR
S303	SOUTH EXTERIOR & INTERIOR ELEVATIONS MASONRY REPAIR
S304	WEST EXTERIOR ELEVATION MASONRY REPAIR
S304A	WEST INTERIOR ELEVATION MASONRY REPAIR
S400	STRUCTURAL STEEL FRAMING - EAST ELEVATION
S401	STRUCTURAL STEEL FRAMING - WEST ELEVATION
S402	STRUCTURAL STEEL FRAMING - NORTH AND SOUTH ELEVATION
S500	TYPICAL MASONRY REPAIR INFORMATION
ARCHITECTURAL DEMOLITION	
AD101A	DEMOLITION PLAN - GROUND FLOOR - NORTH
AD101B	DEMOLITION PLAN - GROUND FLOOR - SOUTH
AD151A	DEMOLITION ROOF PLAN - NORTH
AD151B	DEMOLITION ROOF PLAN - SOUTH
AD301	DEMOLITION EXTERIOR ELEVATIONS - NORTH
AD302	DEMOLITION EXTERIOR ELEVATIONS - EAST
AD303	DEMOLITION EXTERIOR ELEVATIONS -SOUTH
AD304	DEMOLITION EXTERIOR ELEVATIONS -WEST
AD451	ROOF DEMOLITION DETAILS
AD452	DEMOLITION WINDOW DETAILS
ARCHITECTURAL	
A101A	PLAN - GROUND FLOOR - NORTH
A101B	PLAN - GROUND FLOOR - SOUTH
A151A	ROOF PLAN - NORTH
A151B	ROOF PLAN - SOUTH
A301	EXTERIOR ELEVATION - NORTH
A302	EXTERIOR ELEVATION - EAST
A303	EXTERIOR ELEVATION - SOUTH
A304	EXTERIOR ELEVATION - WEST
A310	BUILDING SECTIONS
A311	BUILDING SECTIONS
A312	BUILDING SECTIONS
A451	ROOF DETAILS
A452	STAIR DETAILS
A453	WALL DETAILS
A900	DOOR, WINDOW & FINISH SCHEDULE
A901	DETAILS
A902	DETAILS
MECHANICAL	
M001	SYMBOLS, NOTES & ABBREVIATIONS
M101	FLOOR PLANS
M201	DETAILS
PLUMBING	
P001	SYMBOLS, ABBREVIATIONS, GENERAL NOTES
P101	GROUND FLOOR PLANS
ELECTRICAL	
E001	ELECTRICAL LIGHTING PLAN
E100	ELECTRICAL LIGHTING PLAN
E101	ELECTRICAL LIGHTING PLAN
E601	ELECTRICAL ONE LINE DIAGRAM
FIRE PROTECTION	
FP001	SYMBOLS, ABBREVIATIONS, GENERAL NOTES
FP101	FIRST FLOOR & RESTROOM PLANS

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PROJECT TEAM

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Barbara A. Campagna/Architecture + Planning, PLLC

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ABBREVIATIONS

A/C	AIR CONDITION
ACP	ACCOUSTICAL CEILING PANEL
ACS DR	ACCESS DOOR
ACS PNL	ACCESS PANEL
ACT	ACCOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT/ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZE
ANT	ANTENNA
AOR	AREA OF REFUGE
APPROX	APPROXIMATELY
ARCH	ARCHITECT
ASSY	ASSEMBLY
AV	AUDIO VISUAL
BD	BOARD
BLDG	BUILDING
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT UP ROOFING
C TO C	CENTER TO CENTER
CAB	CABINET
CB	CATCH BASIN
CDCT	CIRCULAR DUCT
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER GUARD
CGFSU	CERAMIC GLAZED STRUCTURAL FACING UNITS
CH	COAT HOOK
CH BD	CHALK BOARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLOS	CLOSURE
CLR	CLEAR
CLRM	CLASSROOM
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONSTR	CONSTRUCTION
CONT	CONTINUE
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPRS	COMPRESSIBLE
CPT	CARPET
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CUST	CUSTODIAN
D	DEEP/DEPTH
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DPTN	DEMOUNTABLE PARTITION
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
E	EAST
EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENCL	ENCLOSURE
EP	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	ET CETERA
EWC	ELECTRIC WATER COOLER
EXH FN	EXHAUST FAN
EXP	EXPANSION/EXPOSED
EXST	EXISTING
EXT	EXTERIOR
EXTRU	EXTRUSION
F/F	FACE TO FACE
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FACE
FHC	FIRE HOSE CABINET
FIN	FINISH
FIN FLR	FINISHED FLOOR
FLASH	FLASHING
FLR	FLOOR
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FR	FRAME
FRG	FIBER REINFORCED GYPSUM
FSS	FOLDING SHOWER SEAT
FT	FEET/FOOT
FURG	FURRING
G	NATURAL GAS
GA	GAGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GDR	GUARD RAIL
GFCI	GROUND FAULT CIRCUIT INERRUPTER
GL	GLASS
GLZ CMU	GLAZED CONCRETE MASONRY UNIT
GYP	GYPSUM
GYP BD	GYPSUM WALLBOARD
H	HIGH
HB	HOSE BIBB
HC	HANDICAP
HD	HAND DRYER
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPC	HIGH PERFORMANCE COATING
HPT	HIGH POINT
HS	HOT STACK
HT	HEIGHT
HVAC	HEATING
HYD	HYDRANT
ID	INSIDE DIAMETER
IF	INSIDE FACE
INCL	INCLUDED
INSUL	INSULATION
INSUL PNL	INSULATED METAL PANEL
INT	INTERIOR
JAN	JANITOR
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LF	LINEAR FEET (FOOT)
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LIN	LINEAR
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LNDSCP	LANDSCAPE
LOC	LOCATION
LPT	LOW POINT
LVT	LUXURY VINYL TILE
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD BIT	MODIFIED BITUMEN
MTD	MOUNTED
MTL	METAL
MTLP	METAL PARTITION
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
OH	OVERHANG
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OS	OCCUPANCY SENSOR
P	PIPE
PCC	PRECAST CONCRETE
PEJ	PREMOLDED EXPANSION JOINT
PERF	PERFORATED
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PORC	PORCELAIN
PP	POWER POLE
PREF	PREFINISH
PREFAB	PREFABRICATE
PT	PAINT
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS/RISER/THERMAL RESISTANCE
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RECPT	RECEPTACLE
REF	REFERENCE/REFRIGERATOR
REINF	REINFORCE
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
RFG	ROOFING
RH	ROOF HATCH/RIGHT HAND
RHR	RIGHT HAND REVERSE
RL	ROOF LEADER
RM	ROOM
RO	ROUGH OPENING
RR	RAILROAD
RTU	ROOF TOP UNIT
RV	ROOF VENT
S	SOUTH
SA	SUPPLY AIR
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SD	SOAP DISPENSER
SECT	SECTION
SF	SQUARE FOOT (FEET)
SHR	SHOWER
SHT	SHEET
SHTHG	SHEATHING
SHV	SHELVING
SIM	SIMILAR
SLNT	SEALANT
SND	SANITARY NAPKIN DISPENSER
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SP	STAND PIPE
SP FIN	SPECIAL FINISH
SPEC	SPECIFICATION
SQ	SQUARE
SS	STORM SEWER
SSM	SOLID SURFACE MATERIAL
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPEND
SV	SHEET VINYL/SMOKE VENT
SYMM	SYMMETRICAL
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TB	TOWEL BAR
TD	TRENCH DRAIN/TOWEL DISPENSER
TDR	TOWEL DISPENSER/RECEPTACLE
TEL	TELEPHONE
TER	TERRAZZO
THK	THICKNESS
TK BD	TACK BOARD
TOC	TOP OF CURB/TOP OF CONCRETE
TOJ	TOP OF JOIST
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TOWEL PIN
TPH	TOILET PAPER HOLDER
TPO	THERMOPLASTIC POLYOLEFIN
TPTN	TOILET PARTITION
TRTD	TREATED
TV	TELEVISION
TYP	TYPICAL
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
UNFIN	UNFINISH
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VP	VENT PIPE
VS	VACANCY SENSOR
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WEST/WIDE
W/	WITH
W/O	WITHOUT
WBL	WOOD BLOCKING
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WWR	WELDED WIRE REINFORCEMENT

DRAWING SYMBOLS:

WALL SECTION REFERENCE

BUILDING SECTION REFERENCE

COLUMN CENTERLINE

EXISTING COLUMN CENTERLINE

CENTERLINE

BREAK LINE

ENLARGED DETAIL REFERENCE

1-HR FIRE RATING

2-HR FIRE RATING

3-HR FIRE RATING

1-HR FIRE/SMOKE RATING

CONSTRUCTION NOTE

DEMOLITION NOTE

REVISION TAG

SIGNAGE TAG

ROOM NAME AND NUMBER

VIEW TITLE - DETAIL NUMBER

BUILDING ELEVATION REFERENCE

INTERIOR ELEVATION REFERENCE

DOOR NUMBER

WINDOW / LOUVER NUMBER

MATCHLINE REFERENCE

NEW WALL

EXISTING WALL TO REMAIN

EXISTING WALL TO BE REMOVED

NEW DOOR OPENING

EXISTING DOOR OPENING TO REMAIN

EXISTING DOOR AND FRAME TO BE REMOVED

ELEVATION REFERENCE

WORKING POINT

MATERIALS LEGEND:

FACE BRICK

CONCRETE MASONRY UNIT

FOAM PLASTIC BOARD INSULATION

BLANKET INSULATION

CONTINUOUS WOOD

SHIM

FINISHED WOOD

GYPSUM BOARD / GROUT

CONCRETE OR PRECAST CONCRETE

ACOUSTICAL CEILING TILE OR PANEL

STANDARD BRICK IN ELEVATION

CMU IN ELEVATION

PLYWOOD

GRAVEL

FOAMED IN PLACE INSULATION

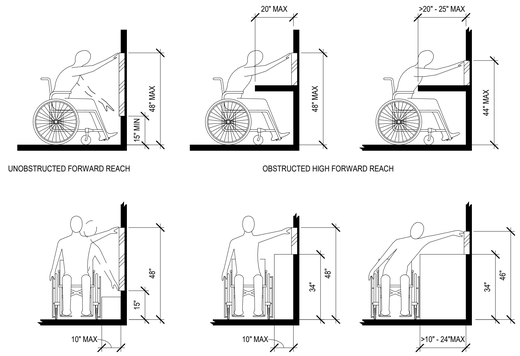
STEEL

EARTH

SOLID SURFACE / CAST STONE

STONE

ADA REACH RANGE FIGURES:



GENERAL NOTES:

1. THE PROJECT SPECIFICATIONS ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND WILL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND GENERAL NOTES. IN CASES, IF ANY, WHERE REQUIREMENTS INDICATED ON THE ARCHITECTURAL DRAWINGS DIFFER FROM THE SPECIFICATIONS, NOTIFY THE ARCHITECT.
2. UNLESS OTHERWISE NOTED, DETAILS, SECTIONS AND NOTES CONTAINED IN THE ARCHITECTURAL CONTRACT DOCUMENTS WILL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS EVEN IF NOT EXPLICITLY REFERENCED.
3. DEFICIENT WORK AND/OR WORK NOT IN CONFORMANCE WITH THE CONTRACT DOCUMENTS WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL REIMBURSE THE PARTIES REQUIRED FOR PERFORMING THE DESIGN SERVICES ARISING FROM DEFICIENT WORK, REVIEW OF MODIFICATIONS/CONTRACTOR SUBSTITUTION, OR EXPEDITING OF SUBMITTALS.
4. COST OF INVESTIGATION AND/OR REDESIGN INCURRED BY THE ARCHITECT DUE TO CONTRACTOR ERRORS WILL BE AT THE CONTRACTOR'S EXPENSE.
5. VERIFY IN THE FIELD (VIF) ALL EXISTING JOB CONDITIONS. REVIEW ALL CONTRACT DRAWINGS, AND VERIFY DIMENSIONS AND ELEVATIONS NOTED IN THE CONTRACT DOCUMENTS PRIOR TO THE START OF WORK.
6. USE ONLY DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE THESE DRAWINGS OR USE DIMENSIONS OBTAINED FROM ELECTRONIC DRAWING OR MODEL FILES, IF PROVIDED.

BUDC
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Hon. Christopher P. Scanlon, Chairman

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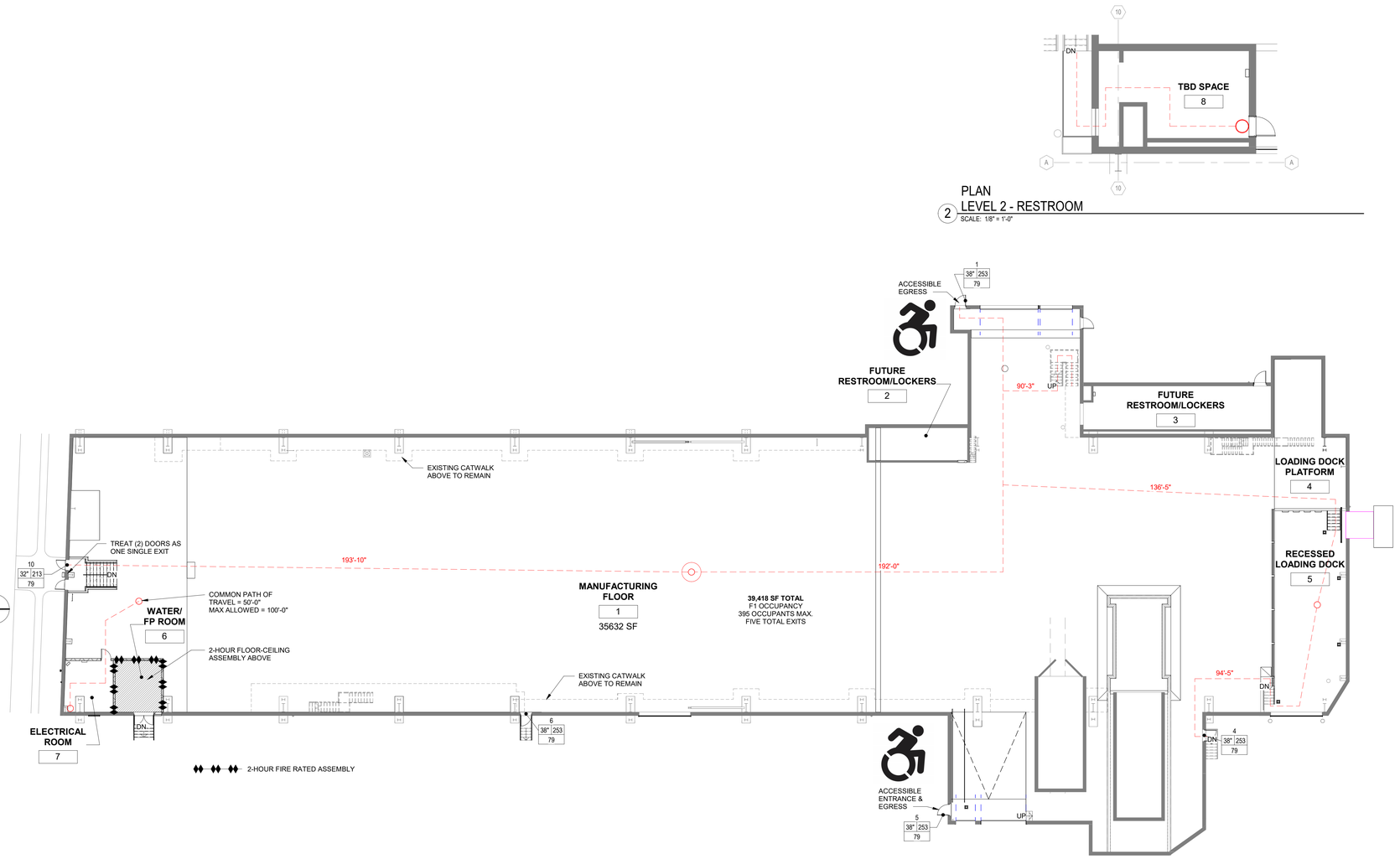
NO.	REVISIONS	DATE
01	ISSUED FOR PERMIT	10/1/25
00	ISSUED FOR BID	10/1/25

DWG. TITLE

SYMBOLS & ABBREVIATIONS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	As indicated
DWN.	MJC CHK. BS
PROJ. No.	432607
DWG. No.	**G001**



PLAN
LEVEL 2 - RESTROOM
SCALE: 1/8" = 1'-0"

CODE COMP. PLAN
SCALE: 1/16" = 1'-0"

BUILDING CODE INFORMATION:

PROJECT LOCATION: INDUSTRIAL MANUFACTURING BUILDING
631 NORTHLAND AVE
BUFFALO, NEW YORK 14211

PROJECT SCOPE:
REHABILITATION OF A **39,418 SF** INDUSTRIAL BUILDING INTO A WARM WHITE BOX FOR FUTURE INDUSTRIAL TENANT. PROJECT IS PART OF A STATE AND FEDERAL HISTORIC PRESERVATION CERTIFICATION APPLICATION. ALL WORK MUST BE APPROVED BY THE NY SHPO AND THE NATIONAL PARK SERVICE AS PER THE PART 2 SUBMISSION AND AUTHORIZATION. THIS PROPERTY HAS BEEN DETERMINED TO POSSESS HISTORIC AND ARCHITECTURAL SIGNIFICANCE AND IS LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES. THE CONTRACTOR SHALL RECOGNIZE THAT ALL ASPECTS OF THE PROPERTY MAY POTENTIALLY CONTRIBUTE TO THIS SIGNIFICANCE, AND THE CONTRACTOR SHALL NOT JUDGE THE RELATIVE SIGNIFICANCE OF ANY FEATURES NOR THE IMPACT OF ANY OR ALL PROPOSED WORK. THIS RESPONSIBILITY SHALL REST SOLELY WITH THE ARCHITECT IN COORDINATION WITH THE HISTORIC PRESERVATION CONSULTANT, WITH THE REVIEW OF THE NYSHPO AND THE NATIONAL PARK SERVICE. CONSEQUENTLY, NO DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE PERFORMED, AND NO FEATURES OR MATERIALS SHALL BE ALTERED, REMOVED, REUSED, OR TAKEN FROM THE PREMISES, WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AS BEING CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ALL WORK SHALL BE CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES.

BUILDING AND FIRE CODES:
BUILDING CODE OF NEW YORK INCLUDING:

2020 BUILDING CODE OF NEW YORK STATE
2020 EXISTING BUILDING CODE OF NEW YORK STATE
2020 FIRE CODE OF NEW YORK STATE
2020 PLUMBING CODE OF NEW YORK STATE
2020 MECHANICAL CODE OF NEW YORK STATE
2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE
2020 FUEL GAS CODE OF NEW YORK STATE
2021 NFPA 70, NATIONAL ELECTRIC CODE (NEC)
2017 ICC/ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

OCCUPANCY CLASSIFICATION: TBD BY FUTURE TENANT
ASSUME: FACTORY - F1 OR F2
BUSINESS - B
* ASSUME F1 OCCUPANCY AS MOST RESTRICTIVE

ZONING: LIGHT INDUSTRIAL (D-IL) BUFFALO UDO

TYPE OF CONSTRUCTION: TYPE 2B (NON-COMBUSTIBLE/UNPROTECTED)

FULLY SPRINKLERED: YES (NFPA 13)

EXISTING BUILDING:
CONTINUATION OF EXISTING USE: TBD BY TENANT
CHANGE OF USE: TBD BY TENANT
PRESCRIPTIVE COMPLIANCE METHOD (EBCNYS CHAPTER 5)

BUILDING HEIGHT AND AREA:
ACTUAL BUILDING HEIGHT: 60'-8", 1 STORIES
ALLOWABLE BUILDING HEIGHT: 75'-0", 3 STORIES

ACTUAL BUILDING AREA: 39,418 SF
ALLOWABLE BUILDING AREA: F-1 (62,000 SF)
F-2 (92,000 SF)

CODE NARRATIVE: 2020 EXISTING BUILDING CODE OF NEW YORK STATE

THE PRESCRIPTIVE COMPLIANCE METHOD OUTLINED IN *SECTION 301.3.1* WILL BE USED FOR THIS PROJECT. ACCESSIBILITY WILL COMPLY WITH ICC A117.1. EXISTING MATERIALS WILL REMAIN IN USE BASED ON *SECTION 302.4 EXISTING MATERIALS*. NEW STRUCTURAL MEMBERS AND CONNECTIONS WILL COMPLY WITH THE BUILDING CODE OF NEW YORK STATE AS REQUIRED BY *SECTION 302.5.1*. SEISMIC CALCULATIONS WERE COMPLETED AND THE BUILDING CONFORMS TO *SECTION 303*.

SECTION 305.4.2 COMPLETE CHANGE OF OCCUPANCY & 305.9 HISTORIC BUILDINGS WILL BE DETERMINED BY THE FUTURE TENANT. ONE ACCESSIBLE ENTRANCE AND TWO ACCESSIBLE MEANS OF EGRESS HAVE BEEN PROVIDED ALONG WITH ACCESSIBLE PARKING AND ACCESSIBLE ROUTES. TOILET ROOMS WILL BE PROVIDED AS PART OF A FUTURE TENANT BUILDOUT AND ARE NOT INCLUDED IN THIS PHASE OF WORK.

SECTION 501.2 FIRE-RESISTANCE RATINGS IS APPLICABLE AS THE BUILDING WILL BE PROVIDED WITH A NFTA SPRINKLER SYSTEM ACCORDING TO SECTION 903.3.1.1. AS OF NOW THIS PROVISION IS NOT REQUIRED AS ALL CODES HAVE BEEN MET, BUT A FUTURE TENANT MAY REQUIRE THIS SECTION FOR COMPLIANCE. OCCUPANCY OF THE BUILDING WILL BE DETERMINED BY THE FUTURE TENANT AND WILL BE REQUIRED TO ABIDE BY *SECTION 506 CHANGE OF OCCUPANCY* SHOULD THE AHJ DETERMINE IT IS A CHANGE OF OCCUPANCY TYPE.

SHOULD THE AHJ REQUIRE A WRITTEN REPORT OUTLINING THE HISTORIC NATURE OF THE BUILDING AND ANY ASSOCIATED CODE IMPLICATIONS, ONE WILL BE PROVIDED. REPLACEMENT GLAZING IN HAZARDOUS LOCATIONS WILL COMPLY WITH SAFETY GLAZING REQUIREMENTS OF *CHAPTER 24 OF THE BUILDING CODE OF NEW YORK STATE*. EXISTING STAIRS MAY NOT CONFORM TO CURRENT CODES AS THIS WAS ONCE A HISTORIC FACTORY WITH NUMEROUS CATWALKS, SHIPS LADDERS, AND LADDERS. THERE IS HOWEVER ADEQUATE WIDTH AND HEIGHT FOR FUTURE TENANTS TO SAFELY USE THE SPACE (*SECTION 1203.3*). BASED ON SECTION *1203.9 STAIRWAY RAILINGS*, ALL EXISTING HANDRAILS AND GUARDS HAVE BEEN DEEMED TO BE SAFE.

CONTRACTOR SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF NYS IEBC CHAPTERS 12 AND 15.

CODE EXCEPTIONS AND RELEVANT CODES:

1. EBC 1203.5 - INTERIOR FINISHES - THE EXISTING INTERIOR FINISHES SHALL BE ACCEPTED WHERE IT IS DEMONSTRATED THAT THEY ARE THE HISTORIC FINISHES.
2. EBC 1203.9 - STAIRWAY RAILINGS - EXISTING HANDRAILS AND GUARDS AT ALL STAIRWAYS SHALL BE PERMITTED TO REMAIN, PROVIDED THEY ARE NOT STRUCTURALLY DANGEROUS.
3. REQUIREMENTS OF BCNYS 910.2 TO BE ADDRESSED BY FUTURE TENANT IF APPLICABLE (DEFERRED DESIGN)

BUDC
Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION
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00	ISSUED FOR BID	10/1/25

DWG. TITLE
CODE COMPLIANCE PLAN

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	06/27/2025
SCALE	As indicated
DWN.	MJC
CHK.	BS
PROJ. No.	432607
DWG. No.	

G002

ONLINE CERTIFICATIONS DIRECTORY

Design No. U905
BXUV.U905
Fire Resistance Ratings - ANSI/UL 263

Page Bottom

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. U905

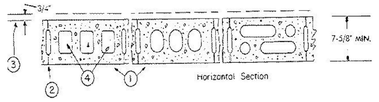
March 11, 2016

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 HR

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Concrete Blocks* —** Various designs. Classification D-2 (2 hr).

See **Concrete Blocks** category for list of eligible manufacturers.

2. **Mortar —** Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster —** Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. **Loose Masonry Fill —** If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

5. **Foamed Plastic* —** (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

ATLAS ROOFING CORP — "EnergyShield Pro Wall Insulation" and "EnergyShield Pro 2 Wall Insulation"

CARLISLE COATINGS & WATERPROOFING INC — Type R2+ Sheath

FIRESTONE BUILDING PRODUCTS CO L L C — "Enverge™ CI Foil Exterior Wall Insulation" and "Enverge™ CI Glass Exterior Wall Insulation"

HUNTER PANELS — Types Xci-Class A, Xci 286

RMAX OPERATING L L C — "TSX-8500", "TSX-8510", "Thermasheath-XP", "ECOMAXci", "Thermasheath-3", "Duresheath-3"

THE DOW CHEMICAL CO — Types Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP) and TUFF-R™ ci Insulation

5A. **Building Units —** As an alternate to Items 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 96 in.

RMAX OPERATING L L C — "Thermasheath-SI", "ECOBASEci", "ThermalBase-CI"

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Last Updated on 2016-03-11

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Solutions

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BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. D705

April 25, 2019

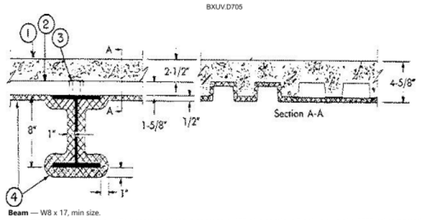
Restrained Assembly Rating — 2 Hr.

Unrestrained Assembly Rating — 1-1/2 Hr.

Unrestrained Beam Rating — 1-1/2 Hr.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

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Beam — W8 x 17, min size.

1. **Normal-Weight Concrete —** Carbonate or siliceous aggregate, 150 plus or minus 3 pcf unit weight, 3000 psi compressive strength.

2. **Steel Floor and Form Units* —** Noncomposite galv units. Alternating one 1-1/2 in. deep 24 in. wide, 18 MSG min fluted units to one 1-1/2 in. deep, 24 in. wide, 20/18 MSG min cellular units or all 3, 6 or 9 in. deep, 24 in. wide, 20/18 MSG min cellular units. Welded to supports 12 in. OC. Adjacent units button-punched or welded together 36 in. OC at side joints.
KAM INDUSTRIES LTD, DBA CORDECK — Types 3, DK, K, RK, UKK.

Alternate Construction — Composite units of the same type listed above may be used provided allowable loading is calculated on the basis of noncomposite design.

3. **Cover Plate —** Formed to contour of steel floor units, welded in place 12 in. OC.

4. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in more than one coat to a final thickness as shown above, to steel surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min ind density of 15/14 pcf respectively. Min avg and min ind density of 19/18 pcf respectively for Types 7GP and 7HD.
For method of density determination, refer to Design Information Section, Types 4, 5GP, 7GP, 7HD, 8GP, 9GP may be used only with all fluted steel floor units or blends consisting of one or more fluted units to one 24 in. wide max cellular unit, 1-1/2 or 3 in. deep, with cells spaced approx 6 and 8 in. respectively. Use of a spatter coat Type DK, DK2, DK3, SK-1 or SK-III is required on all cellular units with flat plate on the bottom, optional on other steel surfaces. Thickness of the spatter coat is included in the total final thickness of the protection material.

GCP KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Monokote Acoustic 1, SK-III.

PYROK INC — Type LD.

Carboline Global Inc. — Types 4, 5, 5EF, 5GP, 5MD, 7GP, 7HD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD, DK, DK2, DK3.

GCP APPLIED TECHNOLOGIES INC — Types MK-6/HY, MK-6s, Monokote Acoustic 1, RG, SK-III.

5. **Metal Lath —** (Not Shown) — Where Type 7HD is applied to steel deck, 3/8 in. metal ribbed lath weighing 3.4 lb/yd^2 shall be secured to the underside of the steel deck (ribs upward) with S-12 by 3/8 in. long pan head, self-tapping steel screws spaced 12 in. OC in all directions. Steel screws shall be fitted with 1/2 in. diameter steel washers. Adjacent pieces of lath shall be overlapped 1 in. min.

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DWG. TITLE

UL ASSEMBLIES

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/25
SCALE	
DWN.	Author
CHK.	Checker
PROJ. No.	432607
DWG. No.	G003



PERSPECTIVE - NORTHWEST CORNER



PERSPECTIVE - WEST ELEVATION



AERIAL - NORTHWEST CORNER

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DWG. TITLE

RENDERINGS

0 1" 2"
GENERIC SCALE BAR
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DATE	06/27/2025
SCALE	12" = 1'-0"
DWN.	BS1 CHK. DR
PROJ. No.	432607
DWG. No.	

G004

GENERAL ASBESTOS ABATEMENT NOTES APPLICABLE TO HM-SERIES

1. THE ASBESTOS ABATEMENT PLANS ARE BASED ON THE LIMITED PRE-RENOVATION ASBESTOS SURVEY/INSPECTION REPORT PREPARED BY RAVI ENGINEERING & LAND SURVEYING, P.C. (RE&LS) DATED FEBRUARY 2024, THE PHASE II ENVIRONMENTAL SITE ASSESSMENT PREPARED BY FISHER ASSOCIATES DATED SEPTEMBER 2015, THE PHASE II ENVIRONMENTAL SITE ASSESSMENT PREPARED BY RE&LS DATED DECEMBER 2024, AND THE ARCHITECTURAL DEMO DRAWINGS PREPARED BY WENDEL DATED JUNE 2025.

2. THE ASBESTOS ABATEMENT CONTRACTOR (REFERRED TO AS "CONTRACTOR" HEREIN) SHALL COORDINATE ALL ASBESTOS REMOVAL WORK WITH THE OWNER'S REPRESENTATIVE, OTHER TRADES, AND PROJECT DRAWINGS.

3. APPROVAL OF THE QUANTITY AND EXTENT OF ADDITIONAL ABATEMENT WORK NOT SHOWN ON THE HM-SERIES DRAWINGS AND / OR SPECIFICATIONS MUST BE APPROVED BY THE ENVIRONMENTAL CONSULTANT (RAVI ENGINEERING & LAND SURVEYING, P.C.) AND OWNER PRIOR TO THE START OF WORK.

4. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS, AND QUANTITIES ASSOCIATED WITH HAZARDOUS MATERIALS ABATEMENT PRIOR TO THE START OF WORK.

5. THE CONTRACTOR SHALL PERFORM ALL CONTRACT WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, DRAWINGS, SPECIFICATIONS, NEW YORK STATE DEPARTMENT OF LABOR (NYSDOL) 12 NYCRR PART 56 (INDUSTRIAL CODE RULE 56), OSHA 1926.1101, NESHAPS 40 CFR PART 61, AHERA 40 CFR PART 763, AND ALL OTHER APPLICABLE CODES.

6. THE CONTRACTOR SHALL MAINTAIN SECURITY AS APPROVED TO BE ACCEPTABLE BY THE OWNER IN THE REGULATED ASBESTOS WORK AREAS AT ALL TIMES, FOR THE DURATION OF THE ASBESTOS REMOVAL PROJECT.

7. LOCATIONS FOR ASBESTOS DUMPSTERS AND PERSONAL/WASTE DECONTAMINATION UNITS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE PRIOR TO MOBILIZATION.

8. IN ACCORDANCE WITH INDUSTRIAL CODE RULE 56, THE CONTRACTOR SHALL COORDINATE SHUT DOWN AND LOCK OUT OF ELECTRICAL POWER WITH THE OWNER'S REPRESENTATIVE. ALL TEMPORARY POWER TO THE REGULATED WORK AREAS SHALL BE BROUGHT IN FROM OUTSIDE THE REGULATED WORK AREAS THROUGH A GROUND-FAULT CIRCUIT INTERRUPTER AT THE SOURCE OF THE POWER THAT SHALL BE PROVIDED BY THE CONTRACTOR.

9. THE CONTRACTOR SHALL IDENTIFY THE LOCATION OF WATER SUPPLY PRIOR TO ESTABLISHMENT OF PERSONAL DECONTAMINATION UNITS. THE CONTRACTOR SHALL COORDINATE LOCATIONS OF WATER SUPPLY WITH THE OWNER AND PLUMBING CONTRACTOR. WATER SHALL NOT BE OBTAINED WITHIN THE REGULATED ABATEMENT WORK AREA.

10. VARIATIONS (+/- 10%) IN QUANTITIES AND LOCATIONS OF PREVIOUSLY IDENTIFIED ASBESTOS-CONTAINING MATERIALS SHALL BE CONSIDERED AS HAVING NO IMPACT ON CONTRACT PRICE AND/OR SCHEDULE OF THIS CONTRACT.

11. THE OWNER SHALL BE RESPONSIBLE TO CONTRACT FOR NYSDOL PROJECT MONITORING / AIR SAMPLING TECHNICIAN SERVICES. OSHA PERSONAL AIR MONITORING IS THE RESPONSIBILITY OF THE CONTRACTOR. OSHA PERSONAL AIR MONITORING SHALL BE PERFORMED DAILY IN ACCORDANCE WITH OSHA 1926.1101.

12. THE CONTRACTOR SHALL REQUEST AND RECEIVE WRITTEN APPROVAL FROM THE PROJECT MONITOR (FIRM IS ACCEPTABLE) AND OWNER'S REPRESENTATIVE PRIOR TO BEGINNING ASBESTOS ABATEMENT ACTIVITIES.

13. UNDER NO CIRCUMSTANCES SHALL CONTAMINATED WASTEWATER ENTER THE SANITARY SEWER SYSTEM. ALL WASTEWATER SHALL BE FILTERED THROUGH A SYSTEM EQUIPPED WITH A 5.0 MICRON, OR SMALLER, PARTICLE SIZE COLLECTION CAPABILITY IN ACCORDANCE WITH 12 NYCRR PART 56.

14. IF LIQUID (INCLUDING WATER, SOLVENTS, SURFACTANTS, AND/OR ENCAPSULANTS) LEAKS THROUGH THE REGULATED ABATEMENT WORK AREA(S), OR FROM THE DECONTAMINATION UNITS, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL WATER DAMAGE AND REPAIR. THE CONTRACTOR SHALL DOCUMENT ALL PRE-EXISTING WATER DAMAGE PRIOR TO ESTABLISHING CONTAINMENT AREAS.

15. IF SUSPECT OR KNOWN ASBESTOS-CONTAINING MATERIAL IS DISCOVERED, NOT PREVIOUSLY IDENTIFIED, THE CONTRACTOR SHALL CEASE OPERATIONS AND NOTIFY THE OWNER AND/OR OWNER'S REPRESENTATIVE IMMEDIATELY.

16. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN A PROFESSIONAL ENGINEER FOR DETERMINING THE NEED, LOCATION, AND MAINTENANCE OF ALL TEMPORARY SHORING AND BRACING. TEMPORARY SHORING AND BRACING SHALL REMAIN IN PLACE UNTIL PERMANENT LOAD PATHS HAVE BEEN ESTABLISHED. THE RESPONSIBILITY OF DETERMINING THE REESTABLISHMENT OF PERMANENT LOAD PATHS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR'S PROFESSIONAL ENGINEER AND GEOTECHNICAL ENGINEER BASED UPON A GEOTECHNICAL REPORT AS REQUIRED BY THEIR GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED SHOP DRAWINGS AND CALCULATIONS FOR SHORING AND BRACING OF THE BUILDING STRUCTURE. SUBMITTALS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW YORK PRIOR TO STARTING CONSTRUCTION. MINIMUM DESIGN LOADS SHALL BE AS SHOWN ON STRUCTURAL DRAWINGS OR AS DETERMINED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER OR GEOTECHNICAL ENGINEER FOR APPLICABLE BUILDING CODES AND/OR MATERIAL'S DEAD OR LATERAL SOIL LOADS THAT ARE BEING SUPPORTED.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY SITE-SPECIFIC VARIANCES WHICH MAY BE REQUIRED FOR THE PROJECT. APPROVAL OF THE OWNER IS REQUIRED PRIOR TO SUBMISSION OF A VARIANCE PETITION TO ANY REGULATORY AGENCY. FAILURE TO OBTAIN PRIOR OWNER APPROVAL MAY RESULT IN THE OWNER NOT PERMITTING THE VARIANCE TO BE USED ON THE PROJECT.

18. THE DISTURBANCE OF ANY KNOWN, ASSUMED, AND/OR SUSPECT ASBESTOS-CONTAINING MATERIAL FOR WHICH HAS NOT BEEN DETERMINED TO BE NON-ASBESTOS-CONTAINING BY LABORATORY ANALYSIS, SHALL BE PERFORMED BY A LICENSED ASBESTOS ABATEMENT CONTRACTOR.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TOOLS, EQUIPMENT, SUPPLIES, ETC. REQUIRED FOR THEIR WORK. THE OWNER OR OWNER'S REPRESENTATIVE SHALL NOT BE HELD LIABLE FOR THEFT OR DAMAGE OF THESE ITEMS. TOOLS SHALL BE REMOVED AND PLACED IN AN OWNER APPROVED SECURE STORAGE AREA FOLLOWING EACH WORK DAY SHIFT.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE REGULATED ABATEMENT WORK AREAS IN A CLEAN AND SAFE CONDITION. THE CONTRACTOR SHALL ENSURE THAT UNCERTIFIED PERSONNEL OR UNAUTHORIZED VISITORS DO NOT ENTER ACTIVE REGULATED ABATEMENT WORK AREAS AT ANY TIME DURING ABATEMENT ACTIVITIES.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY PROTECTION TO KEEP THE BUILDING IN A WATERTIGHT CONDITION AND TO PREVENT UNAUTHORIZED ACCESS AT ALL TIMES FOR THE DURATION OF THE PROJECT. REPAIR OR DAMAGE CAUSED AS A RESULT OF IMPROPER TEMPORARY PROTECTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL DOCUMENT ALL PRE-EXISTING WATER DAMAGE PRIOR TO ESTABLISHING CONTAINMENT AREAS.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND DISPOSAL OF DEMOLISHED MATERIALS REQUIRED TO ACCESS AND ABATE KNOWN, ASSUMED, AND/OR SUSPECT ASBESTOS-CONTAINING MATERIALS SCHEDULED FOR REMOVAL.

23. ALL ASBESTOS-CONTAINING MATERIAL SHALL BE PROPERLY PACKAGED PRIOR TO BEING REMOVED FROM THE WORK AREAS. ASBESTOS WARNING LABELS SHALL BE APPLIED TO THE ASBESTOS WASTE BAGS. ALL ASBESTOS WASTE MATERIALS THAT ARE REMOVED FROM THE SITE SHALL BE ACCOMPANIED BY AN ASBESTOS WASTE SHIPMENT RECORD / MANIFEST. THE COMPLETED WASTE SHIPMENT RECORD MUST BE PROVIDED TO THE ENVIRONMENTAL CONSULTANT WITHIN 14 CALENDAR DAYS OF WASTE SHIPMENT LEAVING THE SITE. ALL ORIGINAL COMPLETED WASTE SHIPMENT RECORDS MUST BE INCLUDED WITH THE CLOSEOUT SUBMISSION.

24. IN THE EVENT THERE IS A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT REGULATION SHALL APPLY.

ASBESTOS ABATEMENT KEY NOTES APPLICABLE TO HM-SERIES

FBI — REMOVE AC BROWN FIRE BRICK / INSULATION, IDENTIFIED IN STAND ALONE KILNS, IN ITS ENTIRETY AND DISPOSE OF AS AN ACM. REMOVALS SHALL BE COMPLETE TO THE POINT WHERE NO VISIBLE DEBRIS REMAINS.

CLK1 — REMOVE AC GRAY DOOR INTERIOR CAULK BETWEEN METAL AND CONCRETE, FULL DEPTH, ALL LAYERS, AND DISPOSE OF AS AN ACM. REMOVALS SHALL BE COMPLETE TO THE POINT WHERE NO VISIBLE RESIDUE REMAINS.

CTG — REMOVE NON AC CERAMIC FLOOR TILE (VARIOUS COLORS), AC LIGHT GRAY CEMENT THIN SET, AC GRAY GROUT, FULL DEPTH, TO THE SUBSTRATE AND DISPOSE OF AS AN ACM. REMOVALS SHALL BE COMPLETE TO THE POINT WHERE NO VISIBLE RESIDUE REMAINS.

EFI — REMOVE AC BLACK ELECTRICAL WIRE INSULATION BELOW THE EXISTING CONCRETE SLAB-ON-GRADE AND IS ASSUMED TO EXTEND THE WIDTH OF THE BUILDING (IN AN EAST / WEST DIRECTION). CONTRACTOR SHALL BE AWARE THAT SELECT DEMOLITION OF THE CONCRETE SLAB-ON-GRADE IS REQUIRED TO ACCESS AND REMOVE THE INSULATION. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES. CONTRACTOR SHALL DISPOSE OF THE AC BLACK ELECTRICAL WIRE INSULATION AS AN ACM. REMOVALS SHALL BE COMPLETE TO THE POINT THAT NO VISIBLE DEBRIS REMAINS.

EINS — CONTRACTOR SHALL REMOVE AC WHITE INSULATION ASSOCIATED WITH THE EXTERIOR FURNACE. CONTRACTOR SHALL BE REQUIRED TO REMOVE OUTER, OR INNER, MOST METAL (WALLS, CEILING AND FLOOR) TO ACCESS AC WHITE INSULATION. CONTRACTOR SHALL REMOVE AND DISPOSE OF AC WHITE INSULATION IN ACCORDANCE WITH 12 NYCRR PART 56, IN ITS ENTIRETY AND DISPOSE OF AS A RACM. REMOVALS SHALL BE COMPLETE TO THE POINT WHERE NO VISIBLE RESIDUE REMAINS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY SITE-SPECIFIC VARIANCES REQUIRED TO PERFORM THIS WORK.

MJP — REMOVE AC WHITE MUDDED JOINT PACKING ELBOWS AND FITTINGS, NON AC FIBERGLASS INSULATION, IN ITS ENTIRETY AND DISPOSE OF AS A RACM. REMOVALS SHALL BE COMPLETE TO THE POINT WHERE NO VISIBLE RESIDUE REMAINS.

RFLSH — REMOVE AC BLACK ROOF FLASHING ASSOCIATED WITH THE ROOF ACCESS DOORS AND ROOFTOP CURBS, ALL LAYERS, FULL DEPTH, TO SUBSTRATE, IN ITS ENTIRETY AND DISPOSE OF AS AN ACM. REMOVALS SHALL BE COMPLETE TO THE POINT WHERE NO VISIBLE RESIDUE REMAINS.

RGAS — REMOVE AC RED ROPE GASKET ASSOCIATED WITH THE INTERIOR FURNACE IN ITS ENTIRETY AND DISPOSE OF AS A RACM. CONTRACTOR SHALL REMOVE METAL PLATES FROM FURNACE TO ACCESS AC ROPE GASKET(S). REMOVALS SHALL BE COMPLETE TO THE POINT WHERE NO VISIBLE RESIDUE REMAINS.

TSI — REMOVE AC WHITE / GRAY THERMAL SYSTEMS INSULATION ASSOCIATED WITH PIPING (ELBOWS, FITTINGS, AND PIPE RUNS) AND METAL PIPING THROUGHOUT THE BUILDING, IN ITS ENTIRETY AND DISPOSE OF A RACM. REMOVALS SHALL BE COMPLETE TO THE POINT THAT NO VISIBLE DEBRIS REMAINS.

TSI1 — REMOVE AC WHITE / GRAY THERMAL SYSTEMS INSULATION AT BUILDING CENTER LINE ASSOCIATED WITH STORM-LINE PIPING (ELBOWS, FITTINGS, AND PIPE RUNS) , IN ITS ENTIRETY AND DISPOSE OF A RACM. REMOVALS SHALL BE COMPLETE TO THE POINT THAT NO VISIBLE DEBRIS REMAINS. REMOVALS OF THE PIPING SYSTEM FOLLOWING ABATEMENT ACTIVITIES SHALL BE COORDINATED AND PERFORMED BY PLUMBING CONTRACTOR, ABATEMENT CONTRACTOR TO COORDINATE WITH PLUMBING SERIES DRAWINGS.

WIC — REMOVE AC DARK GRAY WINDOW CAULK BETWEEN METAL AND MASONRY, FULL DEPTH, ALL LAYERS, IN ITS ENTIRETY. CONTRACTOR SHALL BE AWARE OF LEAD-BASED COMPONENTS ASSOCIATED WITH WINDOWS. LEAD CONTAINING & LEAD-BASED MATERIALS SHALL HAVE TCLP TESTING PRIOR TO DISPOSAL TO DETERMINE WASTE CHARACTERIZATION FOR DISPOSAL. IF MATERIAL IS DETERMINED TO BE HAZARDOUS THROUGH TCLP PROCESS, DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH LEAD SPECIFICATION, OSHA, NYSDOT AND RCRA. IF MATERIAL IS DETERMINED TO BE NON-HAZARDOUS, DISPOSE OF AS AN ACM. REMOVALS SHALL BE COMPLETE TO THE POINT THAT NO VISIBLE RESIDUE OR DEBRIS REMAINS.

WIG — REMOVE AC WHITE WINDOW GLAZING BETWEEN GLASS AND METAL, FULL DEPTH, ALL LAYERS, IN ITS ENTIRETY. REMOVALS SHALL BE COMPLETE TO THE POINT THAT NO VISIBLE RESIDUE REMAINS. CONTRACTOR SHALL BE AWARE OF LEAD-BASED COMPONENTS ASSOCIATED WITH WINDOWS. LEAD CONTAINING & LEAD-BASED MATERIALS SHALL HAVE TCLP TESTING PRIOR TO DISPOSAL TO DETERMINE WASTE CHARACTERIZATION FOR DISPOSAL. IF MATERIAL IS DETERMINED TO BE HAZARDOUS THROUGH TCLP PROCESS, DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH LEAD SPECIFICATION, OSHA, NYSDOT AND RCRA. IF MATERIAL IS DETERMINED TO BE NON-HAZARDOUS, DISPOSE OF AS AN ACM.

CC — CONTRACTOR SHALL REMOVE AC BROWN / RED CANVAS CLOTH BETWEEN CONCRETE (LINTEL) AND MASONRY (BRICK), FULL DEPTH, ALL LAYERS, IN ITS ENTIRETY TO THE POINT WHERE NO VISIBLE RESIDUE REMAINS. MATERIAL SHALL BE DISPOSED OF AS AN ACM. CONTRACTOR SHALL BE AWARE THAT REMOVALS MAY BE LIMITED AND BASED ON PROJECT REQUIREMENTS. CONTRACTOR TO COORDINATE WITH OTHER TRADES AND ARCHITECTURAL DRAWINGS.

ASBESTOS ABATEMENT LEGEND APPLICABLE TO HM-SERIES

AC	ASBESTOS-CONTAINING
ACM	ASBESTOS-CONTAINING MATERIAL
RACM	REGULATED ASBESTOS-CONTAINING MATERIAL
SF	SQUARE FEET
LF	LINEAR FEET
FBI	AC BROWN FIRE BRICK / INSULATION
CLK1	AC GRAY DOOR CAULK (INTERIOR)
CTG	AC LIGHT GRAY CEMENT THIN SET AND AC GRAY GROUT
EFI	AC BLACK ELECTRICAL WIRE INSULATION
EINS	AC WHITE EXTERIOR FURNACE INSULATION
MJP	AC WHITE MUDDED JOINT PACKING, ELBOWS & FITTINGS
RFLSH	AC BLACK ROOF FLASHING, DOORS & CURBS
RGAS	AC RED ROPE GASKET
TSI	AC WHITE / GRAY THERMAL SYSTEMS INSULATION (ELBOWS, FITTINGS AND PIPE RUNS)
TSI1	AC WHITE / GRAY THERMAL SYSTEMS INSULATION AT BUILDING CENTER LINE ASSOCIATED WITH STORM-LINE PIPING
WIC	AC DARK GRAY WINDOW CAULK
WIG	AC WHITE WINDOW GLAZING
CC	AC BROWN / RED CANVAS CLOTH (ASSOCIATED WITH LINTELS)
	APPROXIMATE AREA OF AC INCIDENTAL (HISTORICAL) DISTURBANCES
	APPROXIMATE LOCATION OF AC MATERIALS (FBI, RGAS & MJP)
	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

GENERAL LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS NOTES APPLICABLE TO HM-SERIES

1. SURFACES CONTAINING LEAD-BASED AND LEAD-CONTAINING PAINT ARE PRESENT IN THE RENOVATION AREAS. ALTERATIONS TO PAINTED SURFACES CONTAINING LEAD SHALL BE PERFORMED BY ALL CONTRACTORS IN ACCORDANCE WITH 29 CFR 1926.62.

2. ALL REQUIRED PRE-ABATEMENT SUBMITTALS SHALL BE RECEIVED AND APPROVED BY THE ENVIRONMENTAL CONSULTANT (RAVI ENGINEERING & LAND SURVEYING, P.C.) PRIOR TO STARTING ALTERATIONS.

3. IN THE EVENT THERE IS A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT REGULATION SHALL APPLY.

4. IF ANY LEAD BASED AND / OR LEAD-CONTAINING MATERIALS ARE REMOVED AND DISPOSED OF DURING THE COURSE OF THE PROJECT, A TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) SAMPLE MUST BE COLLECTED PRIOR TO DISPOSAL. THE CONTRACTOR PERFORMING THE REMOVAL MUST COMPLY WITH ALL REQUIRED LICENSING AND TRAINING TO HANDLE, REMOVE, STORE AND DISPOSE OF THE MATERIAL(S) IF DETERMINED BY LABORATORY ANALYSIS TO BE HAZARDOUS WASTE, INCLUDING APPLICABLE OSHA, RCRA AND NYSDOT. TCLP SAMPLE(S) MUST BE COLLECTED FOR THE ENTIRE WASTE STREAM PRIOR TO DISPOSAL FOR WASTE CHARACTERIZATION.

LEAD ABATEMENT KEY NOTES APPLICABLE TO HM-SERIES

LG — CONTRACTOR SHALL REMOVE LEADED GLASS ASSOCIATED WITH THE EXTERIOR WINDOW SYSTEM, IN THEIR ENTIRETY. CONTRACTOR SHALL BE AWARE OF WINDOW COMPONENTS CONTAINING ASBESTOS. REMOVALS SHALL BE PERFORMED IN ACCORDANCE WITH 12 NYCRR PART 56. DEBRIS / MATERIAL SHALL BE SEGREGATED AND CONTAINERIZED INTO DESIGNATED CONTAINER(S). CONTRACTOR SHALL PERFORM TCLP SAMPLING ON DEBRIS PRIOR TO DISPOSAL FOR WASTE CHARACTERIZATION.

LBP1 — CONTRACTOR SHALL REMOVE LOOSE AND FLAKING LEAD-BASED YELLOW PAINT ASSOCIATED WITH THE CATWALKS, PLATFORMS, GUARDRAILS, HANDRAILS, AND STAIR SYSTEM, AS NECESSARY TO COMPLETE RENOVATION ACTIVITIES. REMOVALS SHALL BE COMPLETE TO A POINT ACCEPTABLE FOR APPLICATION OF A PRIMER PAINT TO BE APPLIED. CONTRACTOR SHALL COORDINATE REMOVAL LOCATIONS WITH OTHER TRADES AND ARCHITECTURAL DRAWINGS. DEBRIS SHALL BE SEGREGATED AND CONTAINERIZED INTO DESIGNATED CONTAINER(S). CONTRACTOR SHALL PERFORM TCLP SAMPLING ON DEBRIS PRIOR TO DISPOSAL FOR WASTE CHARACTERIZATION.

LBP2 — CONTRACTOR SHALL REMOVE LOOSE AND FLAKING LEAD-BASED BLUE PAINT ASSOCIATED WITH EXTERIOR DOORS AND METAL ROOF TRIM, AS NECESSARY TO COMPLETE RENOVATION ACTIVITIES. REMOVALS SHALL BE COMPLETE TO A POINT ACCEPTABLE FOR APPLICATION OF A PRIMER PAINT TO BE APPLIED. CONTRACTOR SHALL COORDINATE REMOVAL LOCATIONS WITH OTHER TRADES AND ARCHITECTURAL DRAWINGS. DEBRIS SHALL BE SEGREGATED AND CONTAINERIZED INTO DESIGNATED CONTAINER(S). CONTRACTOR SHALL PERFORM TCLP SAMPLING ON DEBRIS PRIOR TO DISPOSAL FOR WASTE CHARACTERIZATION.

LEAD-CONTAINING MATERIALS PRESENT WITHIN PROJECT LIMITS

- RED PAINT ASSOCIATED WITH CONCRETE BLOCK ON EXTERIOR WALL
- BROWN / WHITE PAINT ASSOCIATED WITH PLASTER CEILINGS IN MEN AND WOMEN'S TOILET ROOMS
- GREEN PAINT ASSOCIATED WITH TOILET ROOM PARTITIONS
- MAROON PAINT ASSOCIATED WITH DOORS TO EXTERIOR
- RED / ORANGE PAINT ASSOCIATED WITH WALL MOUNTED ELECTRICAL BOXES
- LIGHT GREEN / BROWN PAINT ASSOCIATED WITH STRUCTURAL STEEL
- METAL ASSOCIATED WITH LARGE FURNACE (INTERIOR)
- BROWN PAINT ASSOCIATED WITH LOCKERS IN LOCKER ROOM

LEAD ABATEMENT LEGEND APPLICABLE TO HM-SERIES

LG	LEADED GLASS
LBP1	YELLOW LEAD-BASED PAINT ASSOCIATED WITH CATWALKS, PLATFORMS, GUARDRAILS, HANDRAILS, AND STAIRS
LBP2	BLUE LEAD-BASED PAINT ASSOCIATED WITH EXTERIOR DOORS AND METAL ROOF TRIM
	APPROXIMATE LOCATION OF LBP1
	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE ASBESTOS ABATEMENT QUANTITIES APPLICABLE TO HM-SERIES (FOR BIDDING ONLY)

FBI	40 SF
CLK1	5 SF
CTG	1,640 SF
EFI	75 SF
EINS	1,200 SF
MJP	40 SF
RFLSH	215 SF
RGAS	4 SF
TSI	1,485 LF
TSI1	415 LF
WIC	637 SF
WIG	637 SF
CC	755 SF

APPROXIMATE LEAD ABATEMENT QUANTITIES APPLICABLE TO HM-SERIES (FOR BIDDING ONLY)

LG	23,500 SF
LBP1	3,000 SF
LBP2	1,948 SF

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Hon. Mayor Byron W. Brown, Chairman

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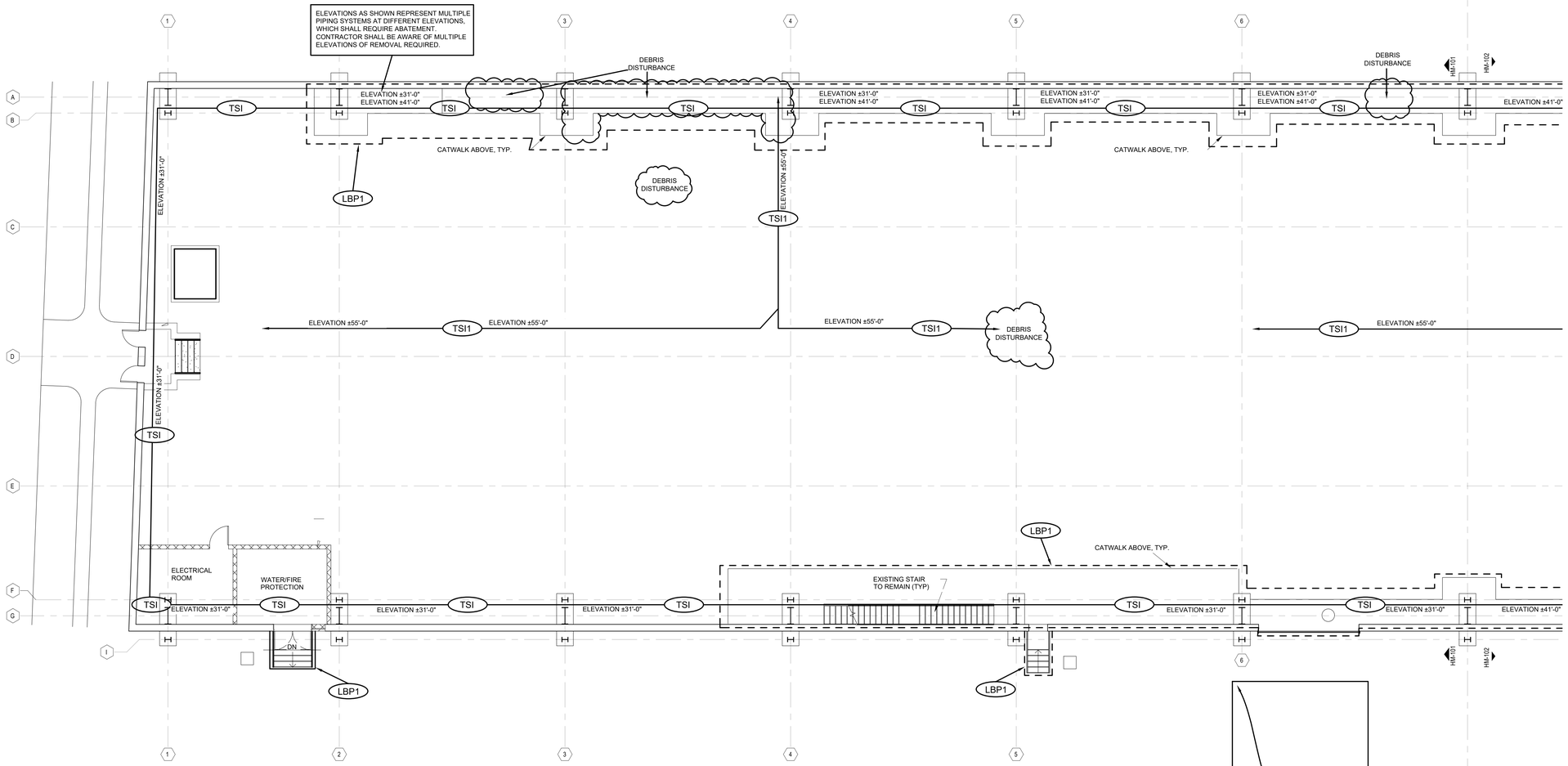
DWG. TITLE

HAZARDOUS MATERIALS ABATEMENT PLAN - GENERAL NOTES

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	06/27/25
SCALE	
DWN.	ADZ
CHK.	BLR
PROJ. No.	432607
DWG. No.	

HM-100



1 HM-101 43-2607 631 NORTHLAND AVENUE - HAZARDOUS MATERIALS ABATEMENT PLAN - GROUND FLOOR PLAN - NORTH

1/8" = 1'-0"

ASBESTOS ABATEMENT LEGEND APPLICABLE TO HM-101

AC	ASBESTOS-CONTAINING
SF	SQUARE FEET
LF	LINEAR FEET
EINS	AC WHITE EXTERIOR FURNACE INSULATION
TSI	AC WHITE / GRAY THERMAL SYSTEMS INSULATION
TSI1	AC WHITE / GRAY THERMAL SYSTEMS INSULATION AT BUILDING CENTER LINE ASSOCIATED WITH STORM-LINE PIPING
	APPROXIMATE AREA OF AC INCIDENTAL (HISTORICAL) DISTURBANCES

APPROXIMATE ASBESTOS ABATEMENT QUANTITIES APPLICABLE TO HM-101 (FOR BIDDING ONLY)

EINS	1,200 SF
TSI	775 LF
TSI1	200 LF

GENERAL LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS NOTES APPLICABLE TO HM-101

1. SURFACES CONTAINING LEAD-BASED AND LEAD-CONTAINING PAINT ARE PRESENT IN THE RENOVATION AREAS. ALTERATIONS TO PAINTED SURFACES CONTAINING LEAD SHALL BE PERFORMED BY ALL CONTRACTORS IN ACCORDANCE WITH 29 CFR 1926.62.
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3. IN THE EVENT THERE IS A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT REGULATION SHALL APPLY.
4. IF ANY LEAD-BASED AND / OR LEAD-CONTAINING MATERIALS ARE REMOVED AND DISPOSED OF DURING THE COURSE OF THE PROJECT, A TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) SAMPLE MUST BE COLLECTED PRIOR TO DISPOSAL. THE CONTRACTOR PERFORMING THE REMOVAL MUST COMPLY WITH ALL REQUIRED LICENSING AND TRAINING TO HANDLE, REMOVE, STORE AND DISPOSE OF THE MATERIAL(S) IF DETERMINED BY LABORATORY ANALYSIS TO BE HAZARDOUS WASTE, INCLUDING APPLICABLE OSHA, RCRA AND NYSDOT. TCLP SAMPLE(S) MUST BE COLLECTED FOR THE ENTIRE WASTE STREAM PRIOR TO DISPOSAL FOR WASTE CHARACTERIZATION.
5. LOCATIONS, DESCRIPTIONS, AND SUBSTRATES OF LEAD-CONTAINING PAINTS ARE LOCATED ON HM-100.

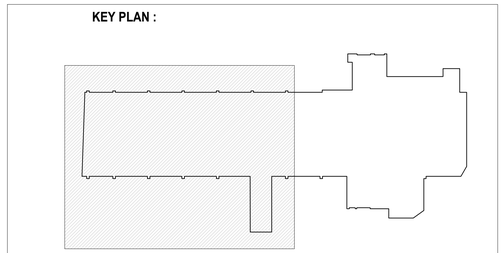
LEAD ABATEMENT LEGEND APPLICABLE TO HM-101

LBP1	YELLOW LEAD-BASED PAINT ASSOCIATED WITH CATWALKS, PLATFORMS, GUARDRAILS, HANDRAILS, AND STAIRS
	APPROXIMATE LOCATION OF LBP1

APPROXIMATE LEAD ABATEMENT QUANTITIES APPLICABLE TO HM-101 (FOR BIDDING ONLY)

LBP1	1,500 SF

KEY PLAN :



BUDC
Buffalo Urban Development Corporation
Hon. Mayor Byron W. Brown, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

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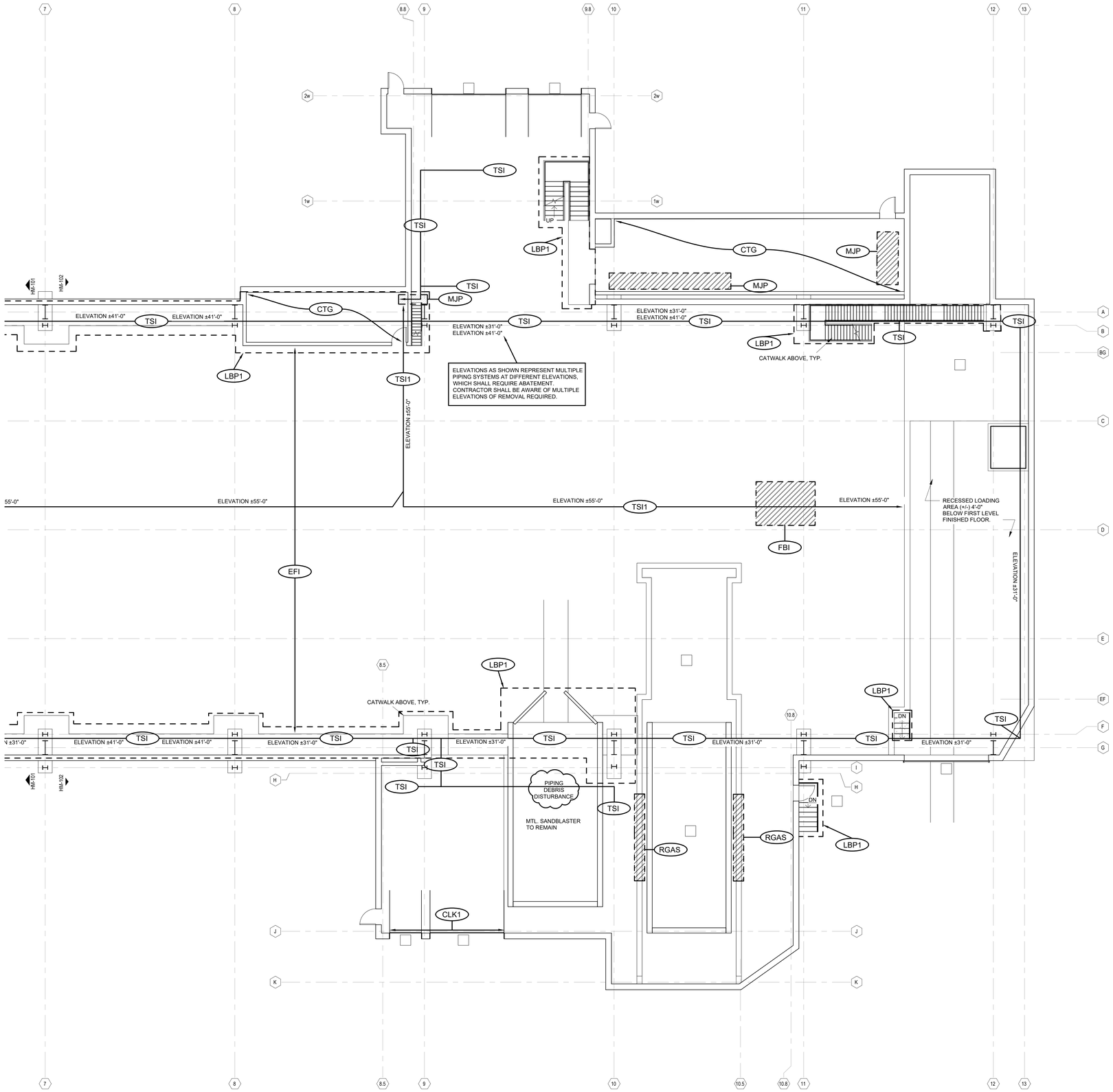
DWG. TITLE

HAZARDOUS MATERIALS ABATEMENT PLAN - GROUND FLOOR PLAN - NORTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

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PROJ. No.	432607
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HM-101



1 HM-102 43-2607 631 NORTHLAND AVENUE - HAZARDOUS MATERIALS ABATEMENT PLAN - GROUND FLOOR PLAN - SOUTH

1/8" = 1'-0"

GENERAL LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS NOTES APPLICABLE TO HM-102

1. SURFACES CONTAINING LEAD-BASED AND LEAD-CONTAINING PAINT ARE PRESENT IN THE RENOVATION AREAS. ALTERATIONS TO PAINTED SURFACES CONTAINING LEAD SHALL BE PERFORMED BY ALL CONTRACTORS IN ACCORDANCE WITH 29 CFR 1926.62.
2. ALL REQUIRED PRE-ABATEMENT SUBMITTALS SHALL BE RECEIVED AND APPROVED BY THE ENVIRONMENTAL CONSULTANT (RAVI ENGINEERING & LAND SURVEYING, P.C.) PRIOR TO STARTING ALTERATIONS.
3. IN THE EVENT THERE IS A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT REGULATION SHALL APPLY.
4. IF ANY LEAD BASED AND / OR LEAD-CONTAINING MATERIALS ARE REMOVED AND DISPOSED OF DURING THE COURSE OF THE PROJECT, A TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) SAMPLE MUST BE COLLECTED PRIOR TO DISPOSAL. THE CONTRACTOR PERFORMING THE REMOVAL MUST COMPLY WITH ALL REQUIRED LICENSING AND TRAINING TO HANDLE, REMOVE, STORE AND DISPOSE OF THE MATERIAL(S) IF DETERMINED BY LABORATORY ANALYSIS TO BE HAZARDOUS WASTE, INCLUDING APPLICABLE OSHA, RCRA AND NYSDOT. TCLP SAMPLE(S) MUST BE COLLECTED FOR THE ENTIRE WASTE STREAM PRIOR TO DISPOSAL FOR WASTE CHARACTERIZATION.
5. LOCATIONS, DESCRIPTIONS, AND SUBSTRATES OF LEAD-CONTAINING PAINTS ARE LOCATED ON HM-100.

LEAD ABATEMENT LEGEND APPLICABLE TO HM-102

LBP1	YELLOW LEAD-BASED PAINT ASSOCIATED WITH CATWALKS, PLATFORMS, GUARDRAILS, HANDRAILS, AND STAIRS
- - -	APPROXIMATE LOCATION OF LBP1

APPROXIMATE LEAD ABATEMENT QUANTITIES APPLICABLE TO HM-102 (FOR BIDDING ONLY)

LBP1	1,500 SF

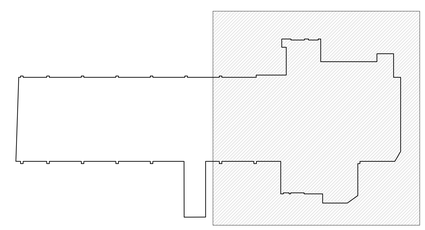
ASBESTOS ABATEMENT LEGEND APPLICABLE TO HM-102

AC	ASBESTOS-CONTAINING
SF	SQUARE FEET
LF	LINEAR FEET
FBI	AC BROWN FIRE BRICK / INSULATION
CLK1	AC GRAY DOOR CAULK (INTERIOR)
CTG	AC LIGHT GRAY CEMENT THIN SET AND AC GRAY GROUT
EFI	AC BLACK ELECTRICAL WIRE INSULATION
MJP	AC WHITE MUDDED JOINT PACKING, ELBOWS & FITTINGS , ASSOCIATED WITH THERMAL SYSTEMS INSULATION
RGAS	AC RED ROPE GASKET
TSI	AC WHITE / GRAY THERMAL SYSTEMS INSULATION (ELBOWS, FITTINGS AND PIPE RUNS)
TSI1	AC WHITE / GRAY THERMAL SYSTEMS INSULATION AT BUILDING CENTER LINE ASSOCIATED WITH STORM-LINE PIPING
	APPROXIMATE AREA OF AC INCIDENTAL (HISTORICAL) DISTURBANCES
	APPROXIMATE LOCATION OF AC MATERIALS (FBI, RGAS & MJP)

APPROXIMATE ASBESTOS ABATEMENT QUANTITIES APPLICABLE TO HM-102 (FOR BIDDING ONLY)

FBI	40 SF
CLK1	5 SF
CTG	1,640 SF
EFI	75 SF
MJP	40 SF
RGAS	4 SF
TSI	710 LF
TSI1	215 LF

KEY PLAN :



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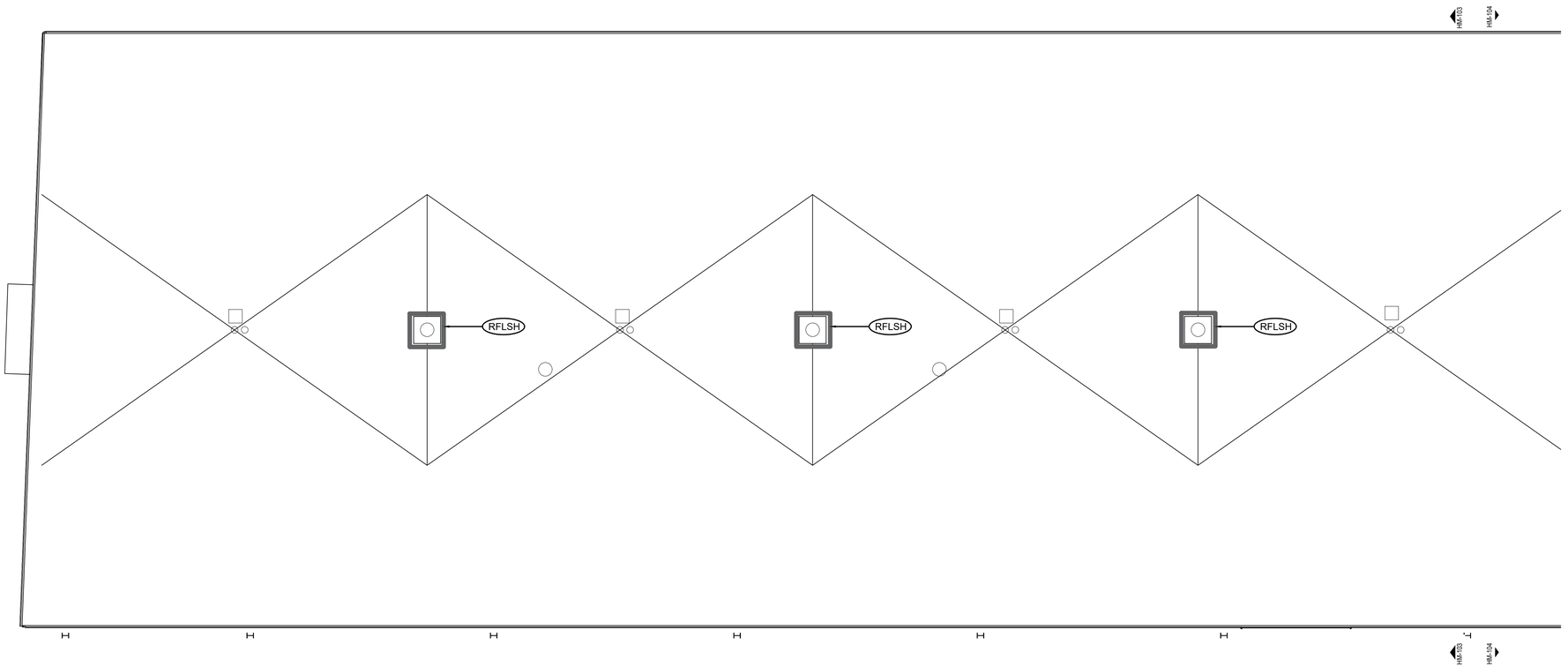
DWG. TITLE

HAZARDOUS MATERIALS ABATEMENT PLAN - GROUND FLOOR PLAN - SOUTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/25
SCALE	
DWN.	ADZ
CHK.	BLR
PROJ. No.	432607
DWG. No.	

HM-102



1 HM-103 43-2607 631 NORTHLAND AVENUE - HAZARDOUS MATERIALS ABATEMENT PLAN - ROOF PLAN - NORTH

1/8" = 1'-0"

ASBESTOS ABATEMENT LEGEND APPLICABLE TO HM-103

AC	ASBESTOS-CONTAINING
SF	SQUARE FEET
(RFLSH)	AC BLACK ROOF FLASHING, DOORS & CURBS

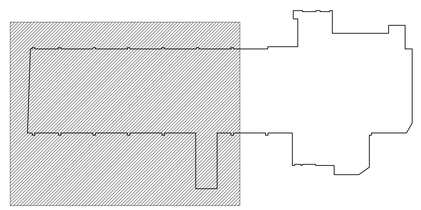
APPROXIMATE ASBESTOS ABATEMENT QUANTITIES APPLICABLE TO HM-103 (FOR BIDDING ONLY)

RFLSH	60 SF

GENERAL LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS NOTES APPLICABLE TO HM-103

1. SURFACES CONTAINING LEAD-BASED AND LEAD-CONTAINING PAINT ARE PRESENT IN THE RENOVATION AREAS. ALTERATIONS TO PAINTED SURFACES CONTAINING LEAD SHALL BE PERFORMED BY ALL CONTRACTORS IN ACCORDANCE WITH 29 CFR 1926.62.
2. ALL REQUIRED PRE-ABATEMENT SUBMITTALS SHALL BE RECEIVED AND APPROVED BY THE ENVIRONMENTAL CONSULTANT (RAVI ENGINEERING & LAND SURVEYING, P.C.) PRIOR TO STARTING ALTERATIONS.
3. IN THE EVENT THERE IS A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT REGULATION SHALL APPLY.
4. IF ANY LEAD BASED AND / OR LEAD-CONTAINING MATERIALS ARE REMOVED AND DISPOSED OF DURING THE COURSE OF THE PROJECT, A TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) SAMPLE MUST BE COLLECTED PRIOR TO DISPOSAL. THE CONTRACTOR PERFORMING THE REMOVAL MUST COMPLY WITH ALL REQUIRED LICENSING AND TRAINING TO HANDLE, REMOVE, STORE AND DISPOSE OF THE MATERIAL(S) IF DETERMINED BY LABORATORY ANALYSIS TO BE HAZARDOUS WASTE, INCLUDING APPLICABLE OSHA, RCRA AND NYSDOT. TCLP SAMPLE(S) MUST BE COLLECTED FOR THE ENTIRE WASTE STREAM PRIOR TO DISPOSAL FOR WASTE CHARACTERIZATION.
5. LOCATIONS, DESCRIPTIONS, AND SUBSTRATES OF LEAD-CONTAINING PAINTS ARE LOCATED ON HM-100.

KEY PLAN :



BUDC
Buffalo Urban Development Corporation
Hon. Mayor Byron W. Brown, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

631 NORTHLAND AVE.
BUFFALO, NY 14211

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2100 S. Clinton Avenue
Rochester, NY 14618
COA: Engineering: 31744 Surveying: 20790

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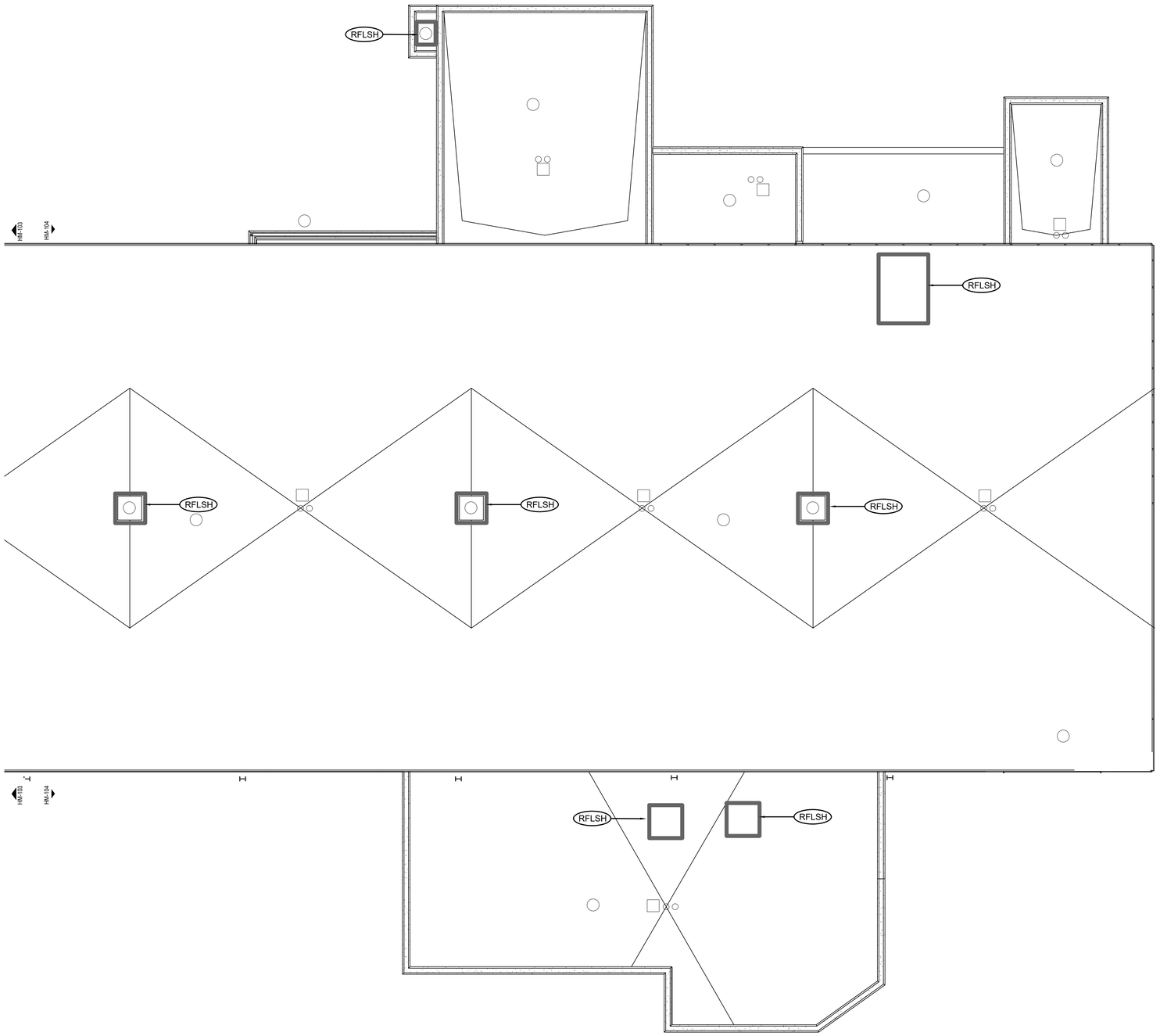
DWG. TITLE

HAZARDOUS MATERIALS ABATEMENT PLAN - ROOF PLAN - NORTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	06/27/25
SCALE	
DWN.	ADZ
CHK.	BLR
PROJ. No.	432607
DWG. No.	

HM-103



1 HM-104 43-2607 631 NORTHLAND AVENUE - HAZARDOUS MATERIALS ABATEMENT PLAN - ROOF PLAN - SOUTH

1/8" = 1'-0"

GENERAL LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS NOTES APPLICABLE TO HM-104

1. SURFACES CONTAINING LEAD-BASED AND LEAD-CONTAINING PAINT ARE PRESENT IN THE RENOVATION AREAS. ALTERATIONS TO PAINTED SURFACES CONTAINING LEAD SHALL BE PERFORMED BY ALL CONTRACTORS IN ACCORDANCE WITH 29 CFR 1926.62.
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5. LOCATIONS, DESCRIPTIONS, AND SUBSTRATES OF LEAD-CONTAINING PAINTS ARE LOCATED ON HM-100.

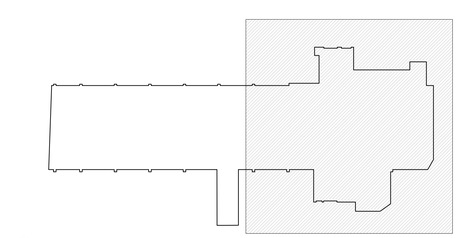
ASBESTOS ABATEMENT LEGEND APPLICABLE TO HM-104

AC	ASBESTOS-CONTAINING
SF	SQUARE FEET
(RFLSH)	AC BLACK ROOF FLASHING, DOORS & CURBS

APPROXIMATE ASBESTOS ABATEMENT QUANTITIES APPLICABLE TO HM-104 (FOR BIDDING ONLY)

RFLSH	155 SF

KEY PLAN :



BUDC
Buffalo Urban Development Corporation
Hon. Mayor Byron W. Brown, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

631 NORTHLAND AVE.
BUFFALO, NY 14211

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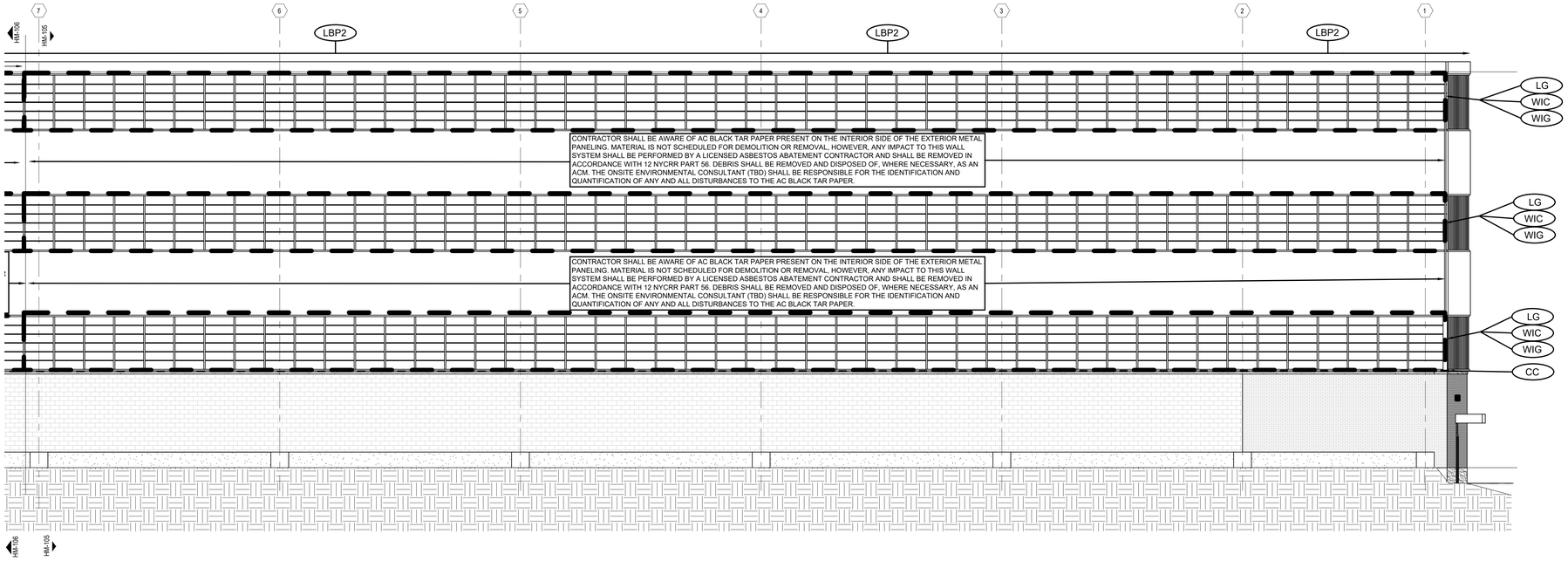
DWG. TITLE

HAZARDOUS MATERIALS ABATEMENT PLAN - ROOF PLAN - SOUTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
DWN. ADZ CHK BLR
PROJ. No. 432607
DWG. No.

HM-104



1 HM-105 43-2607 631 NORTHLAND AVENUE - HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION EAST - NORTH

1/8" = 1'-0"

ASBESTOS ABATEMENT LEGEND APPLICABLE TO HM-105

AC	ASBESTOS-CONTAINING
SF	SQUARE FEET
WIC	AC DARK GRAY WINDOW CAULK
WIG	AC WHITE WINDOW GLAZING
CC	AC BROWN / RED CANVAS CLOTH (ASSOCIATED WITH LINTELS)
	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE ASBESTOS ABATEMENT QUANTITIES APPLICABLE TO HM-105 (FOR BIDDING ONLY)

WIC	141 SF
WIG	141 SF
CC	215 SF

GENERAL LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS NOTES APPLICABLE TO HM-105

1. SURFACES CONTAINING LEAD-BASED AND LEAD-CONTAINING PAINT ARE PRESENT IN THE RENOVATION AREAS. ALTERATIONS TO PAINTED SURFACES CONTAINING LEAD SHALL BE PERFORMED BY ALL CONTRACTORS IN ACCORDANCE WITH 29 CFR 1926.62.
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5. LOCATIONS, DESCRIPTIONS, AND SUBSTRATES OF LEAD-CONTAINING PAINTS ARE LOCATED ON HM-100.

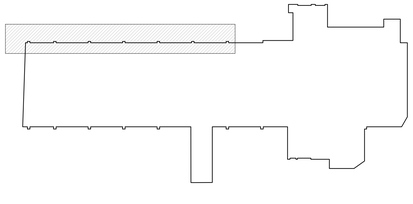
LEAD ABATEMENT LEGEND APPLICABLE TO HM-105

LG	LEADED GLASS
LBP2	BLUE PAINT ASSOCIATED WITH EXTERIOR DOORS AND METAL ROOF TRIM
	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE LEAD ABATEMENT QUANTITIES APPLICABLE TO HM-105 (FOR BIDDING ONLY)

LG	5400 SF
LBP2	385 SF

KEY PLAN :



BUDC
Buffalo Urban Development Corporation
Hon. Mayor Byron W. Brown, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

631 NORTHLAND AVE.
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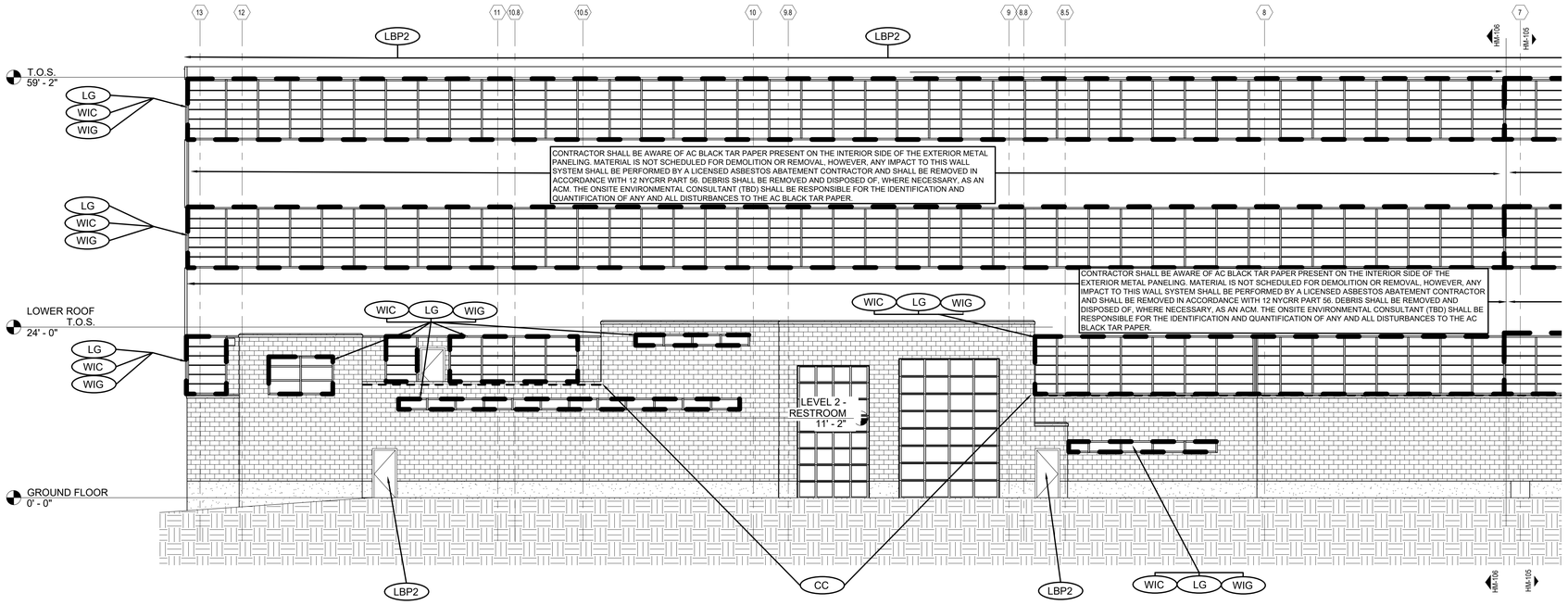
DWG. TITLE

HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION EAST - NORTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE 06/27/25
SCALE
DWN. ADZ CHK. BLR
PROJ. No. 432607
DWG. No.

HM-105



1 HM-106 43-2607 631 NORTHLAND AVENUE - HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION EAST - SOUTH

1/8" = 1'-0"

ASBESTOS ABATEMENT LEGEND APPLICABLE TO HM-106

AC	ASBESTOS-CONTAINING
SF	SQUARE FEET
WIC	AC DARK GRAY WINDOW CAULK
WIG	AC WHITE WINDOW GLAZING
CC	AC BROWN / RED CANVAS CLOTH (ASSOCIATED WITH LINTELS)
	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE ASBESTOS ABATEMENT QUANTITIES APPLICABLE TO HM-106 (FOR BIDDING ONLY)

WIC	114 SF
WIG	114 SF
CC	105 SF

GENERAL LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS NOTES APPLICABLE TO HM-106

1. SURFACES CONTAINING LEAD-BASED AND LEAD-CONTAINING PAINT ARE PRESENT IN THE RENOVATION AREAS. ALTERATIONS TO PAINTED SURFACES CONTAINING LEAD SHALL BE PERFORMED BY ALL CONTRACTORS IN ACCORDANCE WITH 29 CFR 1926.62.
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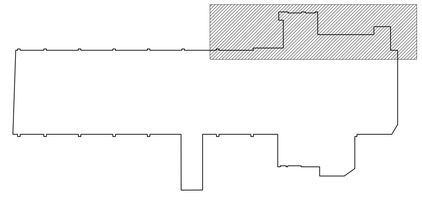
LEAD ABATEMENT LEGEND APPLICABLE TO HM-106

LG	LEADED GLASS
LBP2	BLUE PAINT ASSOCIATED WITH EXTERIOR DOORS AND METAL ROOF TRIM
	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE LEAD ABATEMENT QUANTITIES APPLICABLE TO HM-106 (FOR BIDDING ONLY)

LG	4300 SF
LBP2	375 SF

KEY PLAN :



BUDC
Buffalo Urban Development Corporation
Hon. Mayor Byron W. Brown, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

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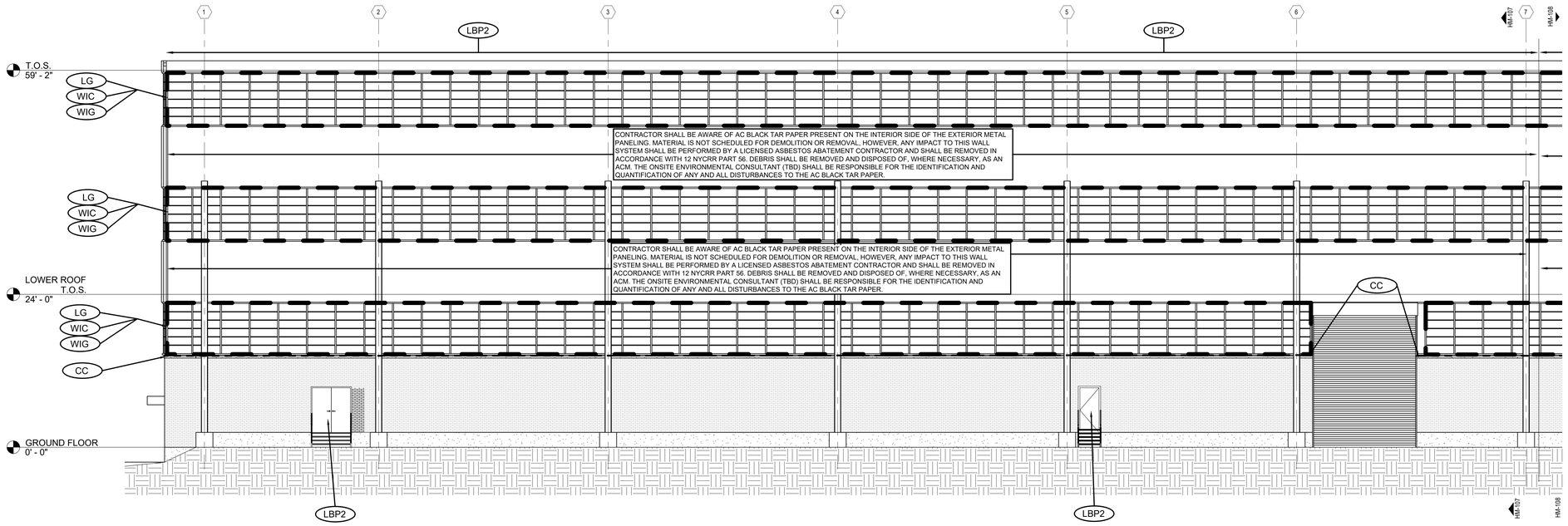
DWG. TITLE

HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION EAST - SOUTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/25
SCALE	
DWN.	ADZ
CHK	BLR
PROJ. No.	432607
DWG. No.	

HM-106



1 HM-107 43-2607 631 NORTHLAND AVENUE - HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION WEST - NORTH

1/8" = 1'-0"

ASBESTOS ABATEMENT LEGEND APPLICABLE TO HM-107

AC	ASBESTOS-CONTAINING
SF	SQUARE FEET
WIC	AC DARK GRAY WINDOW CAULK
WIG	AC WHITE WINDOW GLAZING
CC	AC BROWN / RED CANVAS CLOTH (ASSOCIATED WITH LINTELS)
[ ]	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE ASBESTOS ABATEMENT QUANTITIES APPLICABLE TO HM-107 (FOR BIDDING ONLY)

WIC	140 SF
WIG	140 SF
CC	200 SF

GENERAL LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS NOTES APPLICABLE TO HM-107

1. SURFACES CONTAINING LEAD-BASED AND LEAD-CONTAINING PAINT ARE PRESENT IN THE RENOVATION AREAS. ALTERATIONS TO PAINTED SURFACES CONTAINING LEAD SHALL BE PERFORMED BY ALL CONTRACTORS IN ACCORDANCE WITH 29 CFR 1926.62.
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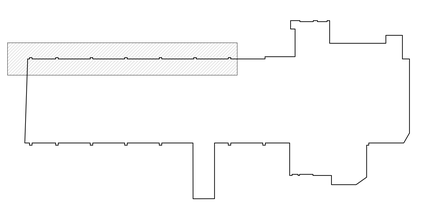
LEAD ABATEMENT LEGEND APPLICABLE TO HM-107

LG	LEADED GLASS
LBP2	BLUE PAINT ASSOCIATED WITH EXTERIOR DOORS AND METAL ROOF TRIM
[ ]	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE LEAD ABATEMENT QUANTITIES APPLICABLE TO HM-107 (FOR BIDDING ONLY)

LG	5315 SF
LBP2	405 SF

KEY PLAN :



BUDC
Buffalo Urban Development Corporation
Hon. Mayor Byron W. Brown, Chairman
BUFFALO URBAN DEVELOPMENT CORPORATION
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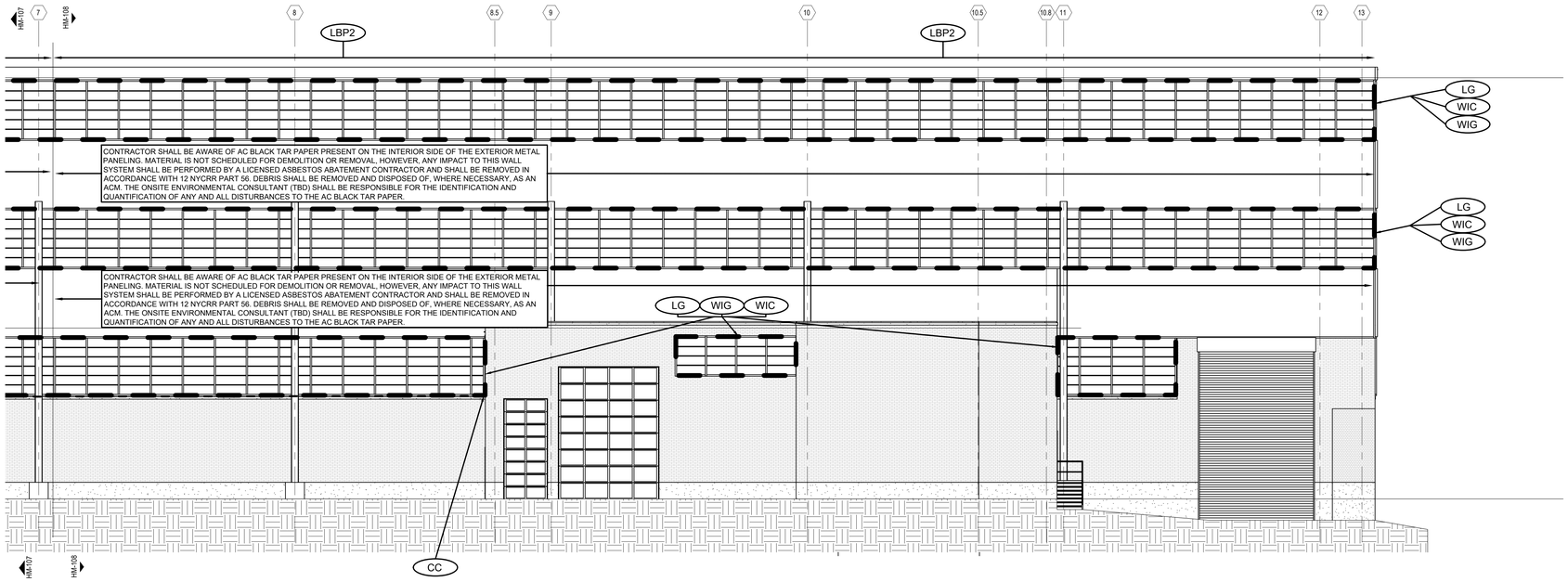
DWG. TITLE

HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION WEST - NORTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
DWN. ADZ CHK. BLR
PROJ. No. 432607
DWG. No.

HM-107



1 / HM-108 43-2607 631 NORTHLAND AVENUE - HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION WEST - SOUTH

1/8" = 1'-0"

ASBESTOS ABATEMENT LEGEND APPLICABLE TO HM-108

AC	ASBESTOS-CONTAINING
SF	SQUARE FEET
WIC	AC DARK GRAY WINDOW CAULK
WIG	AC WHITE WINDOW GLAZING
CC	AC BROWN / RED CANVAS CLOTH (ASSOCIATED WITH LINTELS)
	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE ASBESTOS ABATEMENT QUANTITIES APPLICABLE TO HM-108 (FOR BIDDING ONLY)

WIC	110 SF
WIG	110 SF
CC	60 SF

GENERAL LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS NOTES APPLICABLE TO HM-108

1. SURFACES CONTAINING LEAD-BASED AND LEAD-CONTAINING PAINT ARE PRESENT IN THE RENOVATION AREAS. ALTERATIONS TO PAINTED SURFACES CONTAINING LEAD SHALL BE PERFORMED BY ALL CONTRACTORS IN ACCORDANCE WITH 29 CFR 1926.62.
2. ALL REQUIRED PRE-ABATEMENT SUBMITTALS SHALL BE RECEIVED AND APPROVED BY THE ENVIRONMENTAL CONSULTANT (RAVI ENGINEERING & LAND SURVEYING, P.C.) PRIOR TO STARTING ALTERATIONS.
3. IN THE EVENT THERE IS A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT REGULATION SHALL APPLY.
4. IF ANY LEAD-BASED AND / OR LEAD-CONTAINING MATERIALS ARE REMOVED AND DISPOSED OF DURING THE COURSE OF THE PROJECT, A TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) SAMPLE MUST BE COLLECTED PRIOR TO DISPOSAL. THE CONTRACTOR PERFORMING THE REMOVAL MUST COMPLY WITH ALL REQUIRED LICENSING AND TRAINING TO HANDLE, REMOVE, STORE AND DISPOSE OF THE MATERIAL(S) IF DETERMINED BY LABORATORY ANALYSIS TO BE HAZARDOUS WASTE, INCLUDING APPLICABLE OSHA, RCRA AND NYSDOT. TCLP SAMPLE(S) MUST BE COLLECTED FOR THE ENTIRE WASTE STREAM PRIOR TO DISPOSAL FOR WASTE CHARACTERIZATION.
5. LOCATIONS, DESCRIPTIONS, AND SUBSTRATES OF LEAD-CONTAINING PAINTS ARE LOCATED ON HM-100.

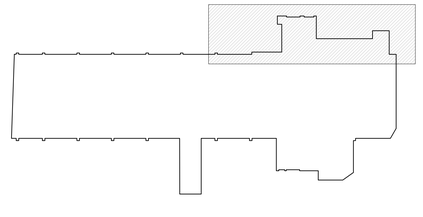
LEAD ABATEMENT LEGEND APPLICABLE TO HM-108

LG	LEADED GLASS
LBP2	BLUE PAINT ASSOCIATED WITH EXTERIOR DOORS AND METAL ROOF TRIM
	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE LEAD ABATEMENT QUANTITIES APPLICABLE TO HM-108 (FOR BIDDING ONLY)

LG	3685 SF
LBP2	335 SF

KEY PLAN :



BUDC
Buffalo Urban Development Corporation
Hon. Mayor Byron W. Brown, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

631 NORTHLAND AVE.
BUFFALO, NY 14211

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2100 S. Clinton Avenue
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COA: Engineering: 31744 Surveying: 20790

PROGRESS SET
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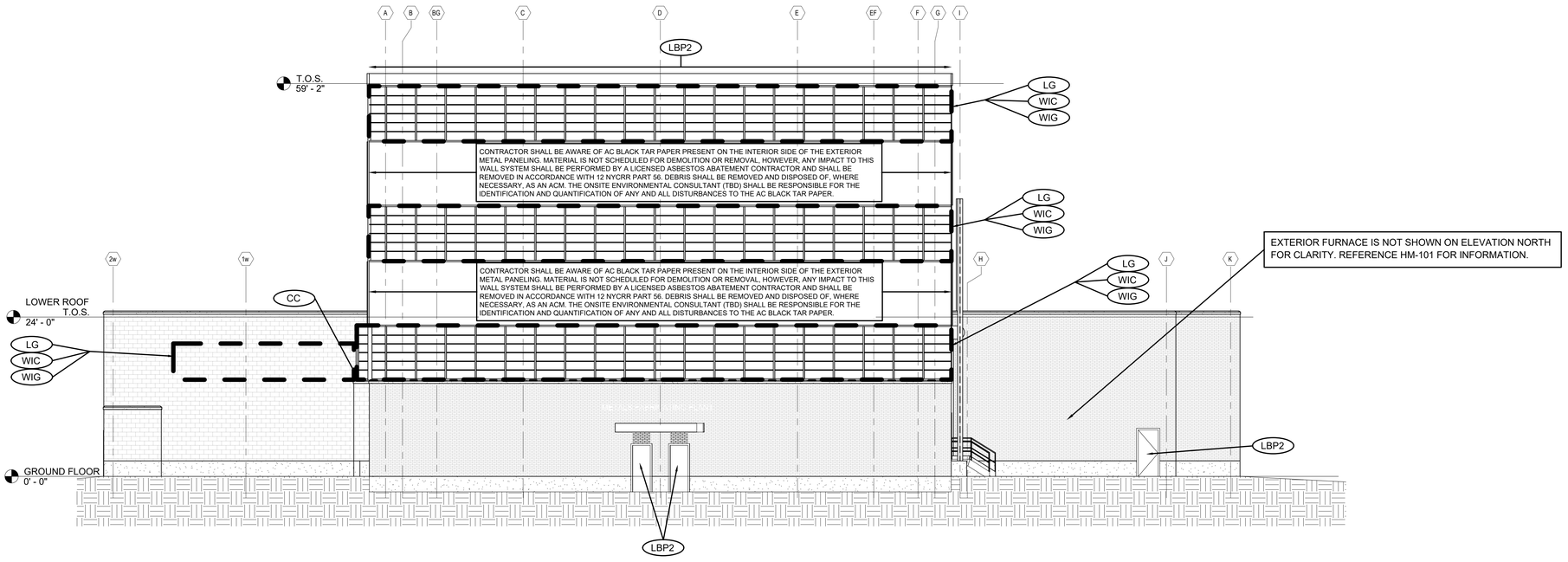
DWG. TITLE

HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION WEST - SOUTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE 06/27/25
SCALE
DWN. ADZ CHK. BLR
PROJ. No. 432607
DWG. No.

HM-108



1 HM-109 43-2607 631 NORTHLAND AVENUE - HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION NORTH

1/8" = 1'-0"

ASBESTOS ABATEMENT LEGEND APPLICABLE TO HM-109

AC	ASBESTOS-CONTAINING
SF	SQUARE FEET
WIC	AC DARK GRAY WINDOW CAULK
WIG	AC WHITE WINDOW GLAZING
CC	AC BROWN / RED CANVAS CLOTH (ASSOCIATED WITH LINTELS)
	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE ASBESTOS ABATEMENT QUANTITIES APPLICABLE TO HM-109 (FOR BIDDING ONLY)

WIC	66 SF
WIG	66 SF
CC	90 SF

GENERAL LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS NOTES APPLICABLE TO HM-109

1. SURFACES CONTAINING LEAD-BASED AND LEAD-CONTAINING PAINT ARE PRESENT IN THE RENOVATION AREAS. ALTERATIONS TO PAINTED SURFACES CONTAINING LEAD SHALL BE PERFORMED BY ALL CONTRACTORS IN ACCORDANCE WITH 29 CFR 1926.62.
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5. LOCATIONS, DESCRIPTIONS, AND SUBSTRATES OF LEAD-CONTAINING PAINTS ARE LOCATED ON HM-100.

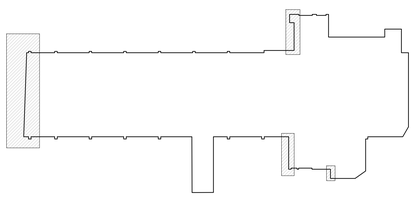
LEAD ABATEMENT LEGEND APPLICABLE TO HM-109

LG	LEADED GLASS
LBP2	BLUE PAINT ASSOCIATED WITH EXTERIOR DOORS AND METAL ROOF TRIM
	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE LEAD ABATEMENT QUANTITIES APPLICABLE TO HM-109 (FOR BIDDING ONLY)

LG	2400 SF
LBP2	240 SF

KEY PLAN :



BUDC
Buffalo Urban Development Corporation
Hon. Mayor Byron W. Brown, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

631 NORTHLAND AVE.
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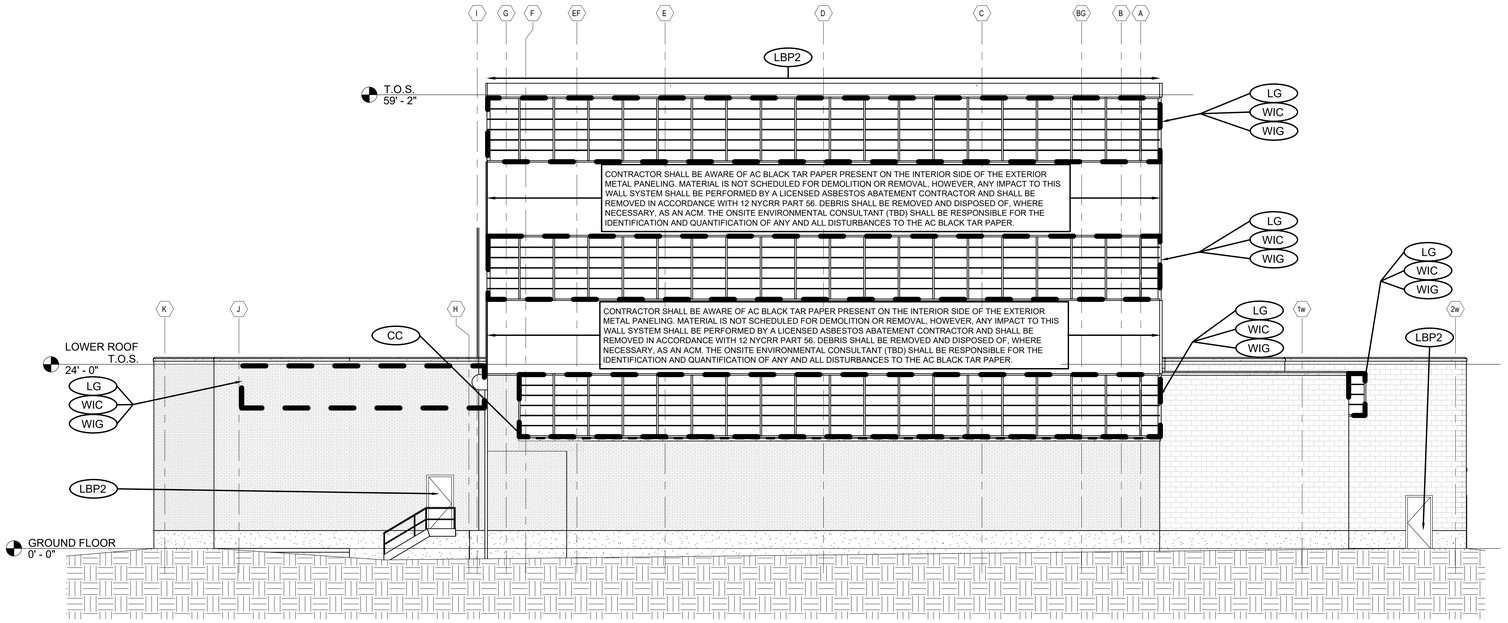
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DATE	06/27/25
SCALE	
DWN.	ADZ CHK BLR
PROJ. No.	432607
DWG. No.	

HM-109



1 HM-110 43-2607 631 NORTHLAND AVENUE - HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION SOUTH

1/8" = 1'-0"

ASBESTOS ABATEMENT LEGEND APPLICABLE TO HM-110

AC	ASBESTOS-CONTAINING
SF	SQUARE FEET
WIC	AC DARK GRAY WINDOW CAULK
WIG	AC WHITE WINDOW GLAZING
CC	AC BROWN / RED CANVAS CLOTH (ASSOCIATED WITH LINTELS)
	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE ASBESTOS ABATEMENT QUANTITIES APPLICABLE TO HM-110 (FOR BIDDING ONLY)

WIC	66 SF
WIG	66 SF
CC	85 SF

GENERAL LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS NOTES APPLICABLE TO HM-110

1. SURFACES CONTAINING LEAD-BASED AND LEAD-CONTAINING PAINT ARE PRESENT IN THE RENOVATION AREAS. ALTERATIONS TO PAINTED SURFACES CONTAINING LEAD SHALL BE PERFORMED BY ALL CONTRACTORS IN ACCORDANCE WITH 29 CFR 1926.62.
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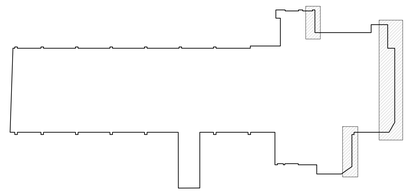
LEAD ABATEMENT LEGEND APPLICABLE TO HM-110

LG	LEADED GLASS
LBP2	BLUE PAINT ASSOCIATED WITH EXTERIOR DOORS AND METAL ROOF TRIM
	APPROXIMATE LOCATION OF MATERIALS (WIG, WIC, LG & CC) ASSOCIATED WITH WINDOW REMOVAL

APPROXIMATE LEAD ABATEMENT QUANTITIES APPLICABLE TO HM-110 (FOR BIDDING ONLY)

LG	2400 SF
LBP2	208 SF

KEY PLAN :



BUDC
Buffalo Urban Development Corporation
Hon. Mayor Byron W. Brown, Chairman
BUFFALO URBAN DEVELOPMENT CORPORATION
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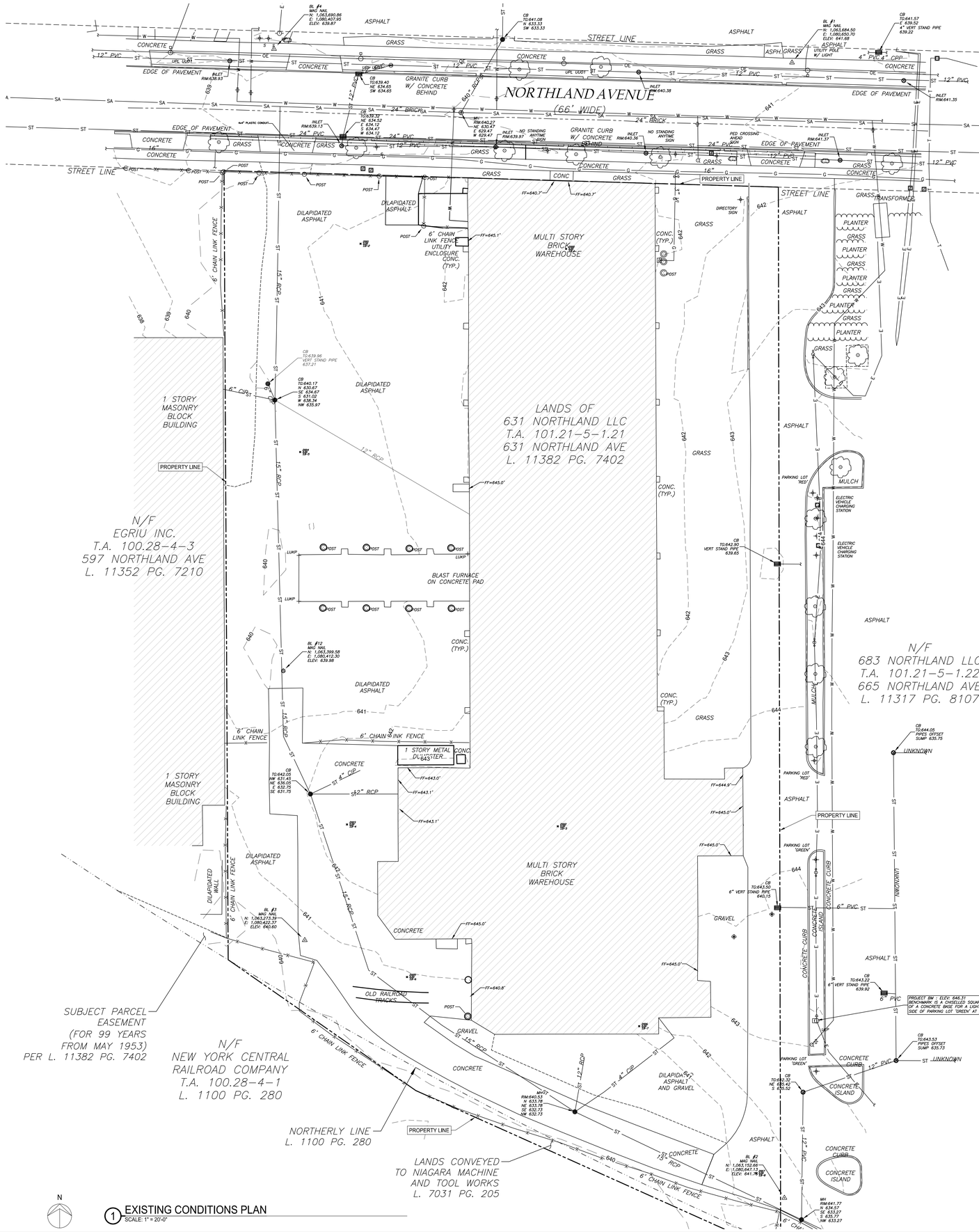
DWG. TITLE

HAZARDOUS MATERIALS ABATEMENT PLAN - ELEVATION SOUTH

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DATE	06/27/25
SCALE	
DWN.	ADZ
CHK.	BLR
PROJ. No.	432607
DWG. No.	

HM-110



S.U.E. UTILITY NOTES:

1. UNDERGROUND UTILITY MARK OUT AND SURVEY COMPLETED ON FEBRUARY 21, 2024 WITH CLEAR SITE CONDITIONS AT THE TIME OF SURVEY.
2. UTILITIES DEPICTED ON THESE PLANS ARE FROM S.U.E. STAKE OUT, UTILITY OWNER'S RECORDS SUPPLEMENT THE PLAN AS NEEDED.
3. RAVI MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. RAVI FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH WE DO CERTIFY THAT THEY ARE DESIGNATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.
4. WITH DUE DILIGENCE, RAVI WILL MAKE EVERY REASONABLE EFFORT TO DESIGNATE SUBSURFACE UTILITIES; HOWEVER, RAVI CANNOT GUARANTEE THAT ALL ACTIVE OR ABANDONED UTILITIES AND STRUCTURES CAN OR WILL BE DETECTED, INCLUDING BUT NOT LIMITED TO, UTILITIES LOCATED UNDERNEATH OTHER UTILITIES AND NON-CONDUCTIVE UTILITY STRUCTURES.
5. RAVI WILL NOT BE RESPONSIBLE FOR ANY UTILITY INFORMATION OUTSIDE THE AREAS DEFINED IN THIS SCOPE.
6. CLIENT SHOULD BE AWARE THAT THE EFFECTIVENESS OF GPR TO DESIGNATE THE EXISTENCE OF A SUBSURFACE UTILITY IS DEPENDENT ON THE SOIL AND GROUND WATER CONDITIONS. SOILS WITH SIGNIFICANT CLAY CONTENT AND HIGH MOISTURE CONTENT WILL ATTENUATE (ABSORB) THE GPR SIGNAL, WHICH SIGNIFICANTLY REDUCES OUR ABILITY TO IDENTIFY SUBSURFACE UTILITIES.
7. USE OF RAVI FOR SUBSURFACE UTILITY ENGINEERING (S.U.E.) DOES NOT RELIEVE THE CLIENT, CONTRACTOR(S) OR UTILITY OWNER(S) OF THE RESPONSIBILITY OF NOTIFYING DIG SAFELY NEW YORK SYSTEM PRIOR TO STARTING EXCAVATION. RAVI WILL NOT BE ASSUMED OR HELD RESPONSIBLE FOR DAMAGES TO UTILITIES CAUSED BY OTHERS.
8. S.U.E. FIELD WORK WAS ASSISTED BY PLANS PROVIDED BY THE UTILITY OWNERS, THE ACTUAL LOCATION OF THE UTILITIES MAY VARY. UTILITIES MAY EXIST THAT ARE NOT SHOWN ON THESE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AT TIME OF CONSTRUCTION TO IDENTIFY, VERIFY, AND SAFELY EXPOSE THE UTILITIES ON THIS PROJECT.
9. RAVI WARRANTS ONLY THAT THE SERVICES PROVIDED UNDER THIS PROPOSAL WILL MEET THE PREVAILING STANDARD OF CARE AND DOES NOT GUARANTEE THAT ALL UTILITIES CAN OR WILL BE IDENTIFIED, DETECTED OR PRECISELY MAPPED.
10. RAVI WILL NOT BE ASSUMED OR HELD RESPONSIBLE FOR DAMAGES TO UTILITIES CAUSED BY OTHERS.
11. IDENTIFYING AND MAPPING UNDERGROUND UTILITIES IS A RESULT OF GATHERING EVIDENCE AND THEREFORE EXACT UTILITY LOCATIONS ARE NOT GUARANTEED UNLESS VISUALLY EXPOSED AND SURVEYED, AND THEN ONLY AT THOSE SPECIFIC EXPOSED LOCATIONS.
12. UTILITY DEPTHS SHOWN WERE DETERMINED UTILIZING GEOPHYSICAL DEVICES AND SHOULD BE CONSIDERED APPROXIMATE. TO VERIFY SIZES, TYPES, AND DEPTHS THE SUBSURFACE UTILITIES SHOULD BE EXPOSED AND MEASURED.
13. THE SUBSURFACE UTILITIES SHOWN HEREON ARE OF QUALITY LEVEL "B" AS DEFINED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) IN THE "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

LEGEND

- SURVEY CONTROL POINT
- BORING LOCATION
- SURVEY BENCHMARK
- UTILITY LIGHT POLE
- UTILITY POLE
- PEDESTRIAN LIGHT POLE
- POST
- FLAG POLE
- SIGN
- CONIFEROUS SHRUB
- TREE STUMP
- DECIDUOUS SHRUB
- DECIDUOUS TREE
- CONIFEROUS TREE
- UTILITY ELECTRIC METER
- UTILITY ELECTRIC MANHOLE
- UTILITY SANITARY MANHOLE
- UTILITY TELEPHONE MANHOLE
- UTILITY DRAINAGE MANHOLE
- UTILITY UNKNOWN MANHOLE
- UTILITY DRAINAGE CATCH BASIN
- UTILITY FIRE HYDRANT
- UTILITY WATER VALVE
- UTILITY GAS VALVE
- UTILITY UNKNOWN VALVE
- UTILITY UNDERGROUND ELECTRIC
- UTILITY UNDERGROUND GAS MAIN
- UTILITY UNDERGROUND TELEPHONE
- UTILITY SANITARY SEWER
- UTILITY STORM SEWER
- UTILITY STEAM
- UTILITY UNDERGROUND WATER MAIN
- UTILITY UNDERGROUND FIBER OPTICS
- UTILITY OVERHEAD ELECTRIC WIRES
- UTILITY OVERHEAD WIRES
- PROPERTY LINE (MAIN)
- PROPERTY LINE (ADJOINER)
- STREET LINE/R.O.W.

SURVEY NOTES:

1. FIELD WORK COMPLETED ON FEBRUARY 21, 2024 BY RAVI ENGINEERING AND LAND SURVEYING WITH CLEAR CONDITIONS AT THE TIME OF SURVEY.
2. THE MONUMENT OFFSETS SHOWN HEREON ARE "CARDINAL DIRECTION CORRECTIONS" REFERENCED TO THE THEORETICAL PROPERTY CORNERS OR CENTERLINE ROAD GEOMETRY.
3. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN UPDATED ABSTRACT AND IS SUBJECT TO ANY EASEMENTS AND/OR ENCUMBRANCES THAT ONE WOULD DISCLOSE.

GPS NOTES:

* RAVI ENGINEERING & LAND SURVEYING CERTIFIES THAT THE SURVEY CONNECTIONS TO THE CONTROL STATIONS MEET OR EXCEED THE MINIMUM ACCURACY STANDARDS AND SPECIFICATIONS AS REQUIRED BY THE LAWS OF NEW YORK, 1995 – CHAPTER 605.

A. GPS DERIVED FROM NYSNet, A SPATIAL REFERENCE NETWORK OF CONTINUOUSLY OPERATING GLOBAL POSITIONING SYSTEM (GPS) REFERENCE STATIONS (CORS)
B. ALL COORDINATES SHOWN ARE NYS PLANE COORDINATES (WESTERN ZONE); DATUM IS NAD83 (2011) AND NAVD 88' (VERT).
C. TO CONVERT FROM GROUND DISTANCES TO GRID DISTANCES MULTIPLY BY A COMBINED SCALE FACTOR OF 0.99992308 CALCULATED AT BASELINE #1 AND HAVING AN ELLIPSOIDAL HEIGHT OF 410.958 FT. FROM A STARNET (V12) GPS NETWORK ADJUSTMENT DATED MARCH 12, 2024.
D. ALL DISTANCES SHOWN ARE GROUND DISTANCES, EXPRESSED IN US SURVEY FEET.
E. ALL AREAS SHOWN ARE GROUND DISTANCES.
F. ALL BEARINGS SHOWN ARE GRID BEARINGS UNLESS OTHERWISE NOTED.

UTILITY CONTACTS:

BUFFALO SEWER AUTHORITY	585-831-4718	RECEIVED
CHARTER COM NORTHEAST WESTERN NY	317-575-7800 X2	NOT RECEIVED
CITY OF BUFFALO WATER AUTHORITY	716-851-4747 X124	RECEIVED
NATIONAL FUEL GAS BUFFALO – NFG101	716-857-7431	RECEIVED
NATIONAL GRID WEST ELECTRIC	680-244-2062	RECEIVED

SURVEY REFERENCES:

1. PROJECT DEEDS AS SHOWN HEREON.
2. CURRENT ERIE COUNTY TAX MAPS FOR THE CITY OF BUFFALO (MAP NO.S 100.28, 101.21, 100.29)
3. MAP ENTITLED "ALTA/ACSM LAND TITLE SURVEY – PART OF LOTS 11 AND 12, T. 11, R. 8 HOLLAND LAND COMPANY SURVEY" PREPARED BY RAY L. SONNENBERGER, LAND SURVEYOR AND DATED SEPTEMBER 16, 1996.
4. SURVEY MAP PREPARED BY FOIT ALBERT ASSOCIATES FOR #683 NORTHLAND AVENUE, DATED FEBRUARY 14, 2006, AND HAVING JOB NO. 06-30606B.
5. SUBDIVISION MAP FOR LONGVIEW AVENUE BLOCK PREPARED BY C.J. NITMER SURVEYOR, DATED 1894, AND FILED IN THE ERIE COUNTY CLERK'S OFFICE AT MAP COVER 539.
6. MAP ENTITLED "RESUBDIVISION : PART OF SUB LOT 6, COVER 104" FOR SCHAUF STREET BLOCK PREPARED BY STRALEY BROS CIVIL ENGINEERS, DATED NOVEMBER 1926, AND FILED IN THE ERIE COUNTY CLERK'S OFFICE AT MAP COVER 1399 ON JANUARY 12, 1927.
7. RAILROAD VALUATION MAP ENTITLED "RIGHT OF WAY AND TRACK MAP NEW YORK CENTRAL RAILROAD : EAST FERRY STREET – NORTHLAND AVENUE" DATED JUNE 30, 1917, AND HAVING MAP NUMBER V84/3.

BUDC
Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION
631 NORTHLAND AVE.
BUFFALO, NY 14211

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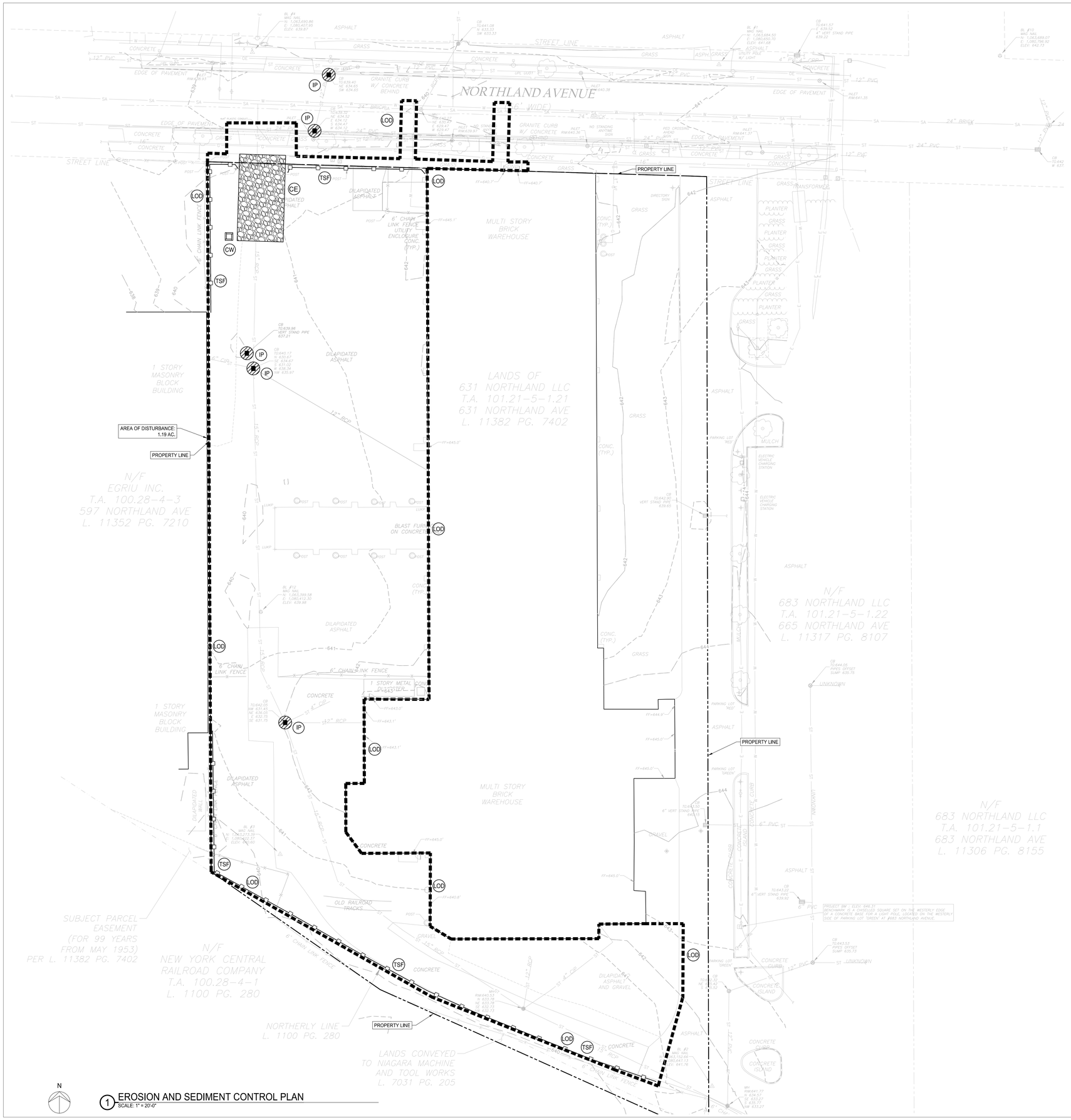
DWG. TITLE

EXISTING CONDITIONS PLAN

GENERIC SCALE BAR (0, 1", 2")
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	AS NOTED
DWN.	DGR
CHK.	TAR
PROJ. No.	432607
DWG. No.	

C101



N

1 EROSION AND SEDIMENT CONTROL PLAN
SCALE: 1" = 20'-0"

GENERAL EROSION & SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) THROUGHOUT ALL PHASES OF CONSTRUCTION AS REQUIRED BY THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). ADDITIONAL BMP'S NOT SHOWN ON THIS PLAN SHALL BE IMPLEMENTED AS REQUIRED BY SITE CONDITIONS AND AS DIRECTED BY THE QUALIFIED INSPECTOR AS A RESULT OF WEEKLY OR BIWEEKLY CONSTRUCTION DURATION INSPECTIONS.
2. BMP'S AND OTHER REQUIRED CONTROLS SHALL CONFORM TO FEDERAL, STATE OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
3. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
4. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
5. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
6. RUBBISH, TRASH, GARBAGE, LITTER OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES, UNDERGROUND CONVEYANCE SYSTEMS OR WATERS OF THE STATE.
7. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THESE PLANS SHALL BE INITIATED AS SOON AS PRACTICABLE.
8. ALL DENUDED AREAS THAT WILL BE INACTIVE FOR 14-DAYS OR MORE MUST BE TEMPORARILY STABILIZED WITH THE USE OF FAST-GERMINATING ANNUAL GRASS-GRAIN VARIETIES, STRAW-HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS.
9. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SODDED AND/OR VEGETATED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN.
10. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS LOCATIONS AS PROVIDED.
11. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
12. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING ACCUMULATED SEDIMENT IN ROADSIDE DRAINAGE SYSTEMS AS WELL AS ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE ONSITE STORM SEWER DRAINAGE SYSTEM IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
13. ON-SITE SOIL STOCKPILES AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES.
14. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
15. THE GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE PLANS (IF DIFFERENT FROM THOSE CURRENTLY SHOWN) INSIDE OF THE LIMITS OF DISTURBANCE FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
16. AREAS TO BE FILLED SHALL BE CLEARED AND STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.
17. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS.
18. INLET PROTECTION SHALL BE PLACED AT ALL DESIGNATED STORM INLETS FOR DURATION OF CONSTRUCTION OR UNTIL CONTRIBUTING DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED. THE PLACEMENT OF FILTER FABRIC BETWEEN THE FRAME AND GRATE OF A DRAINAGE INLET WILL NOT BE ALLOWED AS INLET PROTECTION.
19. ALL WATER PUMPED FROM EXCAVATIONS (DEWATERING) MUST PASS THROUGH A SEDIMENT TRAPPING DEVICE BEFORE BEING DISCHARGED FROM THE SITE. THESE DEVICES INCLUDE, BUT ARE NOT LIMITED TO, SEDIMENT BAGS, PORTABLE SEDIMENT TANKS AND SEDIMENT TRAPS.

BEST MANAGEMENT PRACTICE MAINTENANCE:

ALL BEST MANAGEMENT PRACTICES (INCLUDING EROSION AND SEDIMENT CONTROLS) SHOWN ON THIS PLAN, AND AS DESCRIBED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED INSPECTOR IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, DETERIORATION, OR OVER LOADING.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY SO THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
3. SILT FENCE SHALL BE REPAIRED TO ITS ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE (OR LESS IF IT INTERFERES WITH THE FUNCTIONALITY OF THE SILT FENCE).
4. THE CONSTRUCTION ENTRANCES/EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
5. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT REACHING PUBLIC STREETS SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

SYMBOL LEGEND

- LOD = LIMITS OF DISTURBANCE (1.19 ACRES)
- TSF = TEMPORARY SILT FENCE OR SILT SOCK
- CE = TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
- CW = CONCRETE WASHOUT
- FFIP = TEMPORARY FILTER FABRIC INLET PROTECTION
- IP = TEMPORARY DROP INLET PROTECTION

TEMPORARY VEGETATION SEED MIX:

IF SEASON IS SPRING, SUMMER, OR EARLY FALL; SEED WITH RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE (APPROX. 1 LB. PER 1,000 SQUARE FEET).

IF SEASON IS LATE FALL OR EARLY WINTER; SEED WITH CERTIFIED 'ARGOSTOOK' WINTER RYE (CEREAL RYE) AT 100 LBS. PER ACRE (APPROX. 2.5 LBS. PER 1,000 SQUARE FEET).

NOTES TO THE CONTRACTOR:

1. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED IN CONFORMANCE WITH THE PROJECT DETAILS & SPECIFICATIONS CONTAINED WITHIN THE LATEST REVISION OF THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP). CONTRACTOR TO UTILIZE THE FOLLOWING EROSION CONTROL MEASURES AS NECESSARY AND AS DIRECTED BY A QUALIFIED INSPECTOR (OR QUALIFIED PROFESSIONAL) TO MINIMIZE SOIL EROSION AND SEDIMENT REMOVAL: INLET PROTECTION (EXCAVATED INLET PROTECTION AND FILTER FABRIC INLET PROTECTION), SILT FENCE OR SILT SOCKS, CONSTRUCTION ENTRANCE, CHECK DAMS, SEDIMENT TRAPS, AND DUST CONTROL (WATERING).
2. IMMEDIATELY DENOTE THE LOCATIONS OF THE FOLLOWING ITEMS ON THE SITE PLANS AFTER THEY ARE IMPLEMENTED AND INSTALLED AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS: TRAILERS, LAY DOWN AREAS, PORTA-POTTIES, WHEEL WASHES, CONCRETE WASHOUTS, MASON'S AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC.

INSPECTION FREQUENCY:

1. AS REQUIRED BY THE GENERAL PERMIT THE QUALIFIED INSPECTOR SHALL CONDUCT AT LEAST TWO (2) SITE INSPECTIONS EVERY SEVEN (7) CALENDAR DAYS DURING THE COURSE OF CONSTRUCTION UNTIL FINAL STABILIZATION HAS BEEN ACHIEVED IF DISTURBANCE EXCEEDS 5 ACRES.
2. THE TWO (2) INSPECTIONS SHALL BE SEPARATED BY A MINIMUM OF TWO (2) FULL CALENDAR DAYS.

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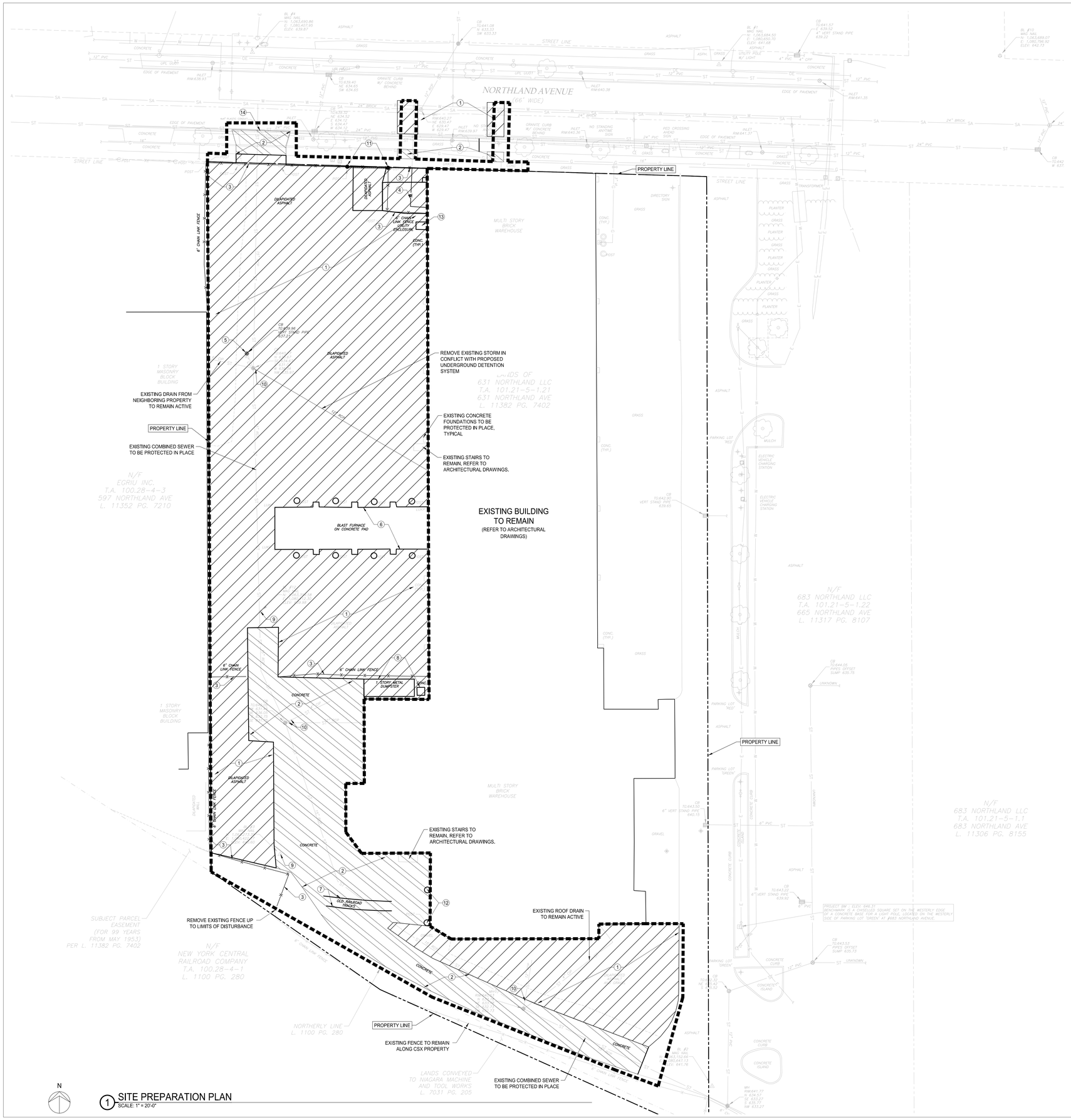
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EROSION AND SEDIMENT CONTROL PLAN

GENERIC SCALE BAR (0, 1", 2")
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DWG. No.	C102



1 SITE PREPARATION PLAN
SCALE: 1" = 20'-0"

SITE PREPARATION NOTES:

1. REMOVE AND DISPOSE OF ASPHALT PAVEMENT AND SUBBASE MATERIAL IN ITS ENTIRETY.
2. REMOVE AND DISPOSE OF CONCRETE PAVEMENT AND SUBBASE MATERIAL IN ITS ENTIRETY.
3. REMOVE AND DISPOSE OF EXISTING FENCE.
4. REMOVE EXISTING WATER LINE AND APPURTANCES IN THEIR ENTIRETY.
5. REMOVE EXISTING CATCH BASIN.
6. REMOVE EXISTING BLAST FURNACE AND FOUNDATION IN ITS ENTIRETY. REFER TO ARCH.
7. REMOVE EXISTING RAILROAD TRACKS, REFER TO ENVIRONMENTAL PLANS BY OTHERS.
8. REMOVE EXISTING ABOVE-GROUND STORAGE TANK AND DUST COLLECTOR INCLUDING CONCRETE FOOTERS AND APPURTENANCES IN THEIR ENTIRETY.
9. PROTECT OR RE-ESTABLISH ALL SITE CONTROL PRIOR TO DEMOLITION.
10. BULKHEAD EXISTING DRAIN LINE AT MANHOLE AND ABANDON IN PLACE WITH FLOWFILL.
11. PROTECT IN PLACE AND REFURBISH EXISTING GATE AND FRAME STRUCTURE.
12. REMOVE EXISTING BOLLARD.
13. REMOVE EXISTING METAL STAIRS, REFER TO ARCHITECTURAL DRAWINGS.
14. REMOVE EXISTING CONCRETE DRIVEWAY APRON AND SALVAGE EXISTING GRANITE CURB FOR RESET.

GENERAL SITE PREPARATION NOTES:

1. ALL EARTHWORK AND ESTABLISHMENT OF SUITABLE SUBGRADE SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS PROVIDED IN THE "GEOTECHNICAL ENGINEERING INVESTIGATION, PROPOSED 631 NORTHLAND REDEVELOPMENT, 631 NORTHLAND AVENUE, BUFFALO, NEW YORK" DATED JUNE 2024 AND AS DIRECTED BY THE GEOTECHNICAL FIELD REPRESENTATIVE.
2. ALL SITE DEMOLITION SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL CONSULTANT'S RECOMMENDATIONS AS PART OF THE BROWNFIELD CLEANUP PROJECT, REFER TO PLANS BY OTHERS.

GENERAL SITE UTILITY NOTES:

1. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND BASED ON THE RESULT OF A FIELD SURVEY OF VISIBLE SURFACE IMPROVEMENTS IN ADDITION TO INFORMATION PROVIDED WITHIN AVAILABLE RECORD DOCUMENTS. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO THE START OF WORK AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICT.
2. ACTIVE SEWERS TO BE REMOVED OR MODIFIED SHALL BE BYPASSED UNTIL PERMANENT SEWER IMPROVEMENTS ARE IN PLACE.

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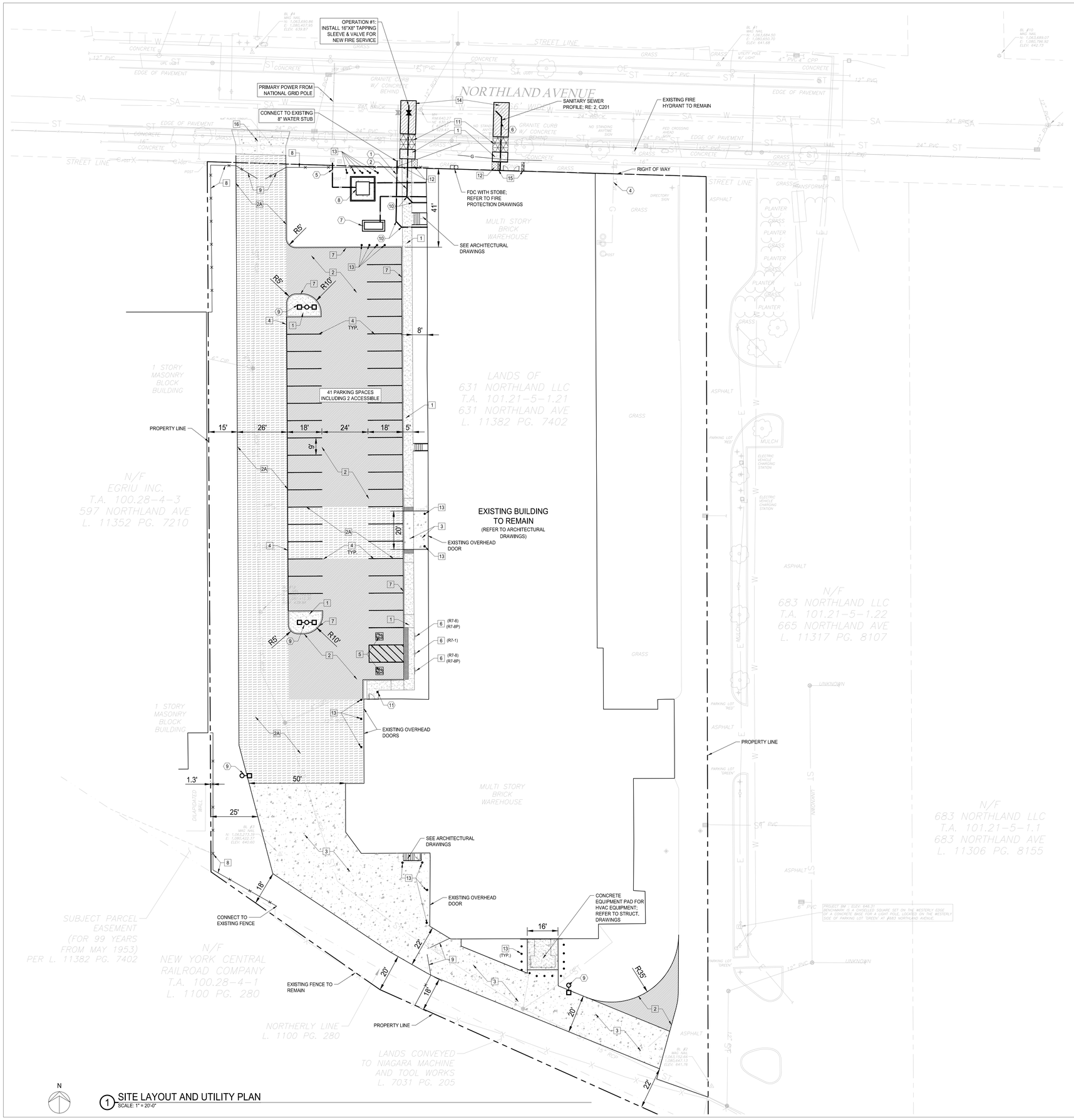
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SITE PREPARATION/ DEMOLITION PLAN

0 1" 2"
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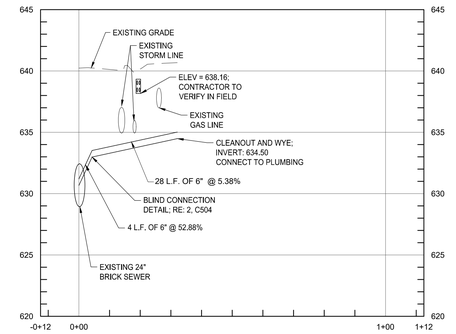
1 SITE LAYOUT AND UTILITY PLAN
SCALE: 1" = 20'-0"

SITE LAYOUT NOTES:

1. CONCRETE SIDEWALK; RE: 7, C502
2. PROPOSED ASPHALT PAVEMENT; RE: 5, C502
2A. PROPOSED HEAVY-DUTY ASPHALT PAVEMENT; RE: 5A, C502
3. HEAVY-DUTY CONCRETE PAVEMENT; RE: 1, C502
4. PAVEMENT STRIPING
5. ACCESSIBLE PARKING STRIPING AND SYMBOL; RE: 10 & 11, C502
6. ACCESSIBLE PARKING SIGN; RE: 12, C502
7. CONCRETE CURB; RE: 2, C502
8. CHAIN LINK FENCE, H=6'; RE: 13, C502
9. MANUAL VEHICULAR SWING GATE; RE: 13, C502
10. 6" TO 0" CURB TRANSITION; RE: 9, C502
11. REPLACE BIORETENTION IN KIND
12. RESTORE LAWN
13. EXTERIOR BOLLARD; RE: 6, C502
14. TRENCH REPAIR, REPLACE EXISTING PAVEMENT IN KIND AND RESET CURB
15. CRUSHED STONE DRAINAGE BED FOR CANOPY DRAIN OVERFLOW; 18' WIDTH, 8' DEPTH
16. RECONSTRUCT DRIVEWAY, SIDEWALK AND RESET GRANITE CURB

SITE UTILITY NOTES:

1. 8" DIA. DIP DOMESTIC WATER; RE: 5, C505
2. 8" DIA. DIP FIRE WATER; RE: 5, C505
3. FIRE HYDRANT ASSEMBLY; NOT USED
4. EXISTING GAS SERVICE TO REAMIN IN SERVICE BY NATIONAL FUEL
5. PROPOSED ELECTRIC SERVICE BY NATIONAL GRID
6. 6" DIA. SANITARY SEWER; RE: 1, C504
7. BACKUP GENERATOR, REFER TO ELECTRICAL DRAWINGS
8. TRANSFORMER, REFER TO ELECTRICAL DRAWINGS
9. SITE LIGHTING, REFER TO E100.
10. 8" DIA. DIP 45° BEND
11. ADA DOOR PUSH BUTTON, REFER TO ELECTRICAL DRAWINGS



2 SANITARY SEWER PROFILE
SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

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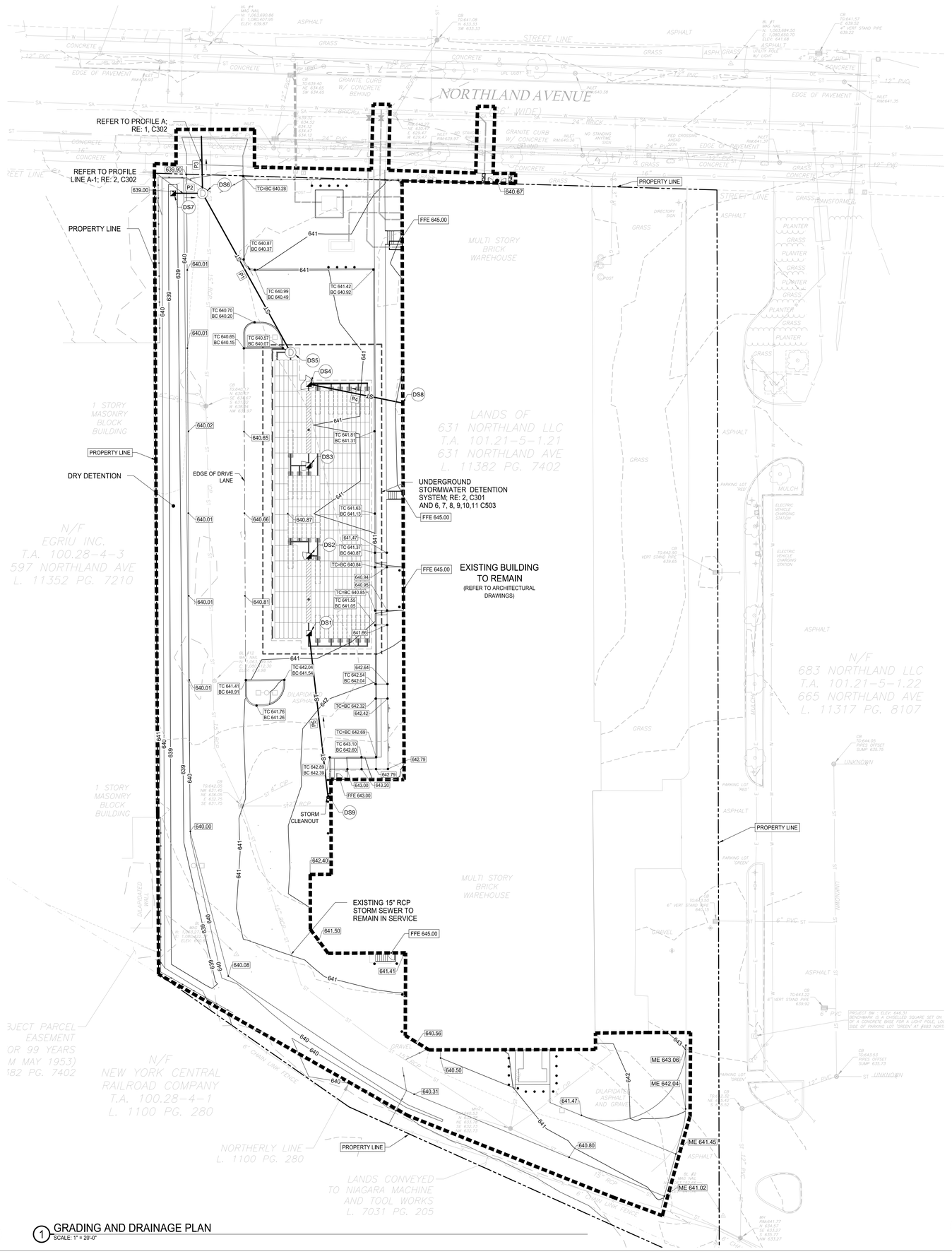
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SITE LAYOUT AND UTILITY PLAN

0 1" 2"
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1 GRADING AND DRAINAGE PLAN
SCALE: 1" = 20'-0"

STRUCTURE TABLE				
I.D.	DESCRIPTION	RIM	PIPES IN	PIPES OUT
DS1	2' X 2' CATCH BASIN	640.37	P5, INV IN = 637.70 S (8")	UGS1, INV OUT = 636.20 S (8") UGS2, INV OUT = 636.20 N (8")
DS2	2' X 2' CATCH BASIN	640.63		UGS3, INV OUT = 636.20 S (8") UGS4, INV OUT = 636.20 E (8") UGS5, INV OUT = 636.20 N (8")
DS3	2' X 2' CATCH BASIN	639.92		UGS6, INV OUT = 636.20 S (8") UGS7, INV OUT = 636.20 W (8") UGS8, INV OUT = 636.20 N (8")
DS4	2' X 2' CATCH BASIN	639.93	P4, INV IN = 637.72 E (8")	UGS9, INV OUT = 636.20 S (8") UGS10, INV OUT = 636.20 E (8")
DS5	48" DIA. MANHOLE	640.43		P1, INV OUT = 635.70 NW (12")
DS6	48" DIA. MANHOLE	640.03	P1, INV IN = 634.80 SE (12") P2, INV IN = 635.80 W (12")	P3, INV OUT = 634.70 N (12")
DS7	2' X 2' CATCH BASIN	639.00		P2, INV OUT = 636.00 E (12")
DS8	CONNECT TO PLUMBING			P4, INV OUT = 639.85 W (8")
DS9	CONNECT TO PLUMBING WITH CLEANOUT			P5, INV OUT = 638.70 N (8")

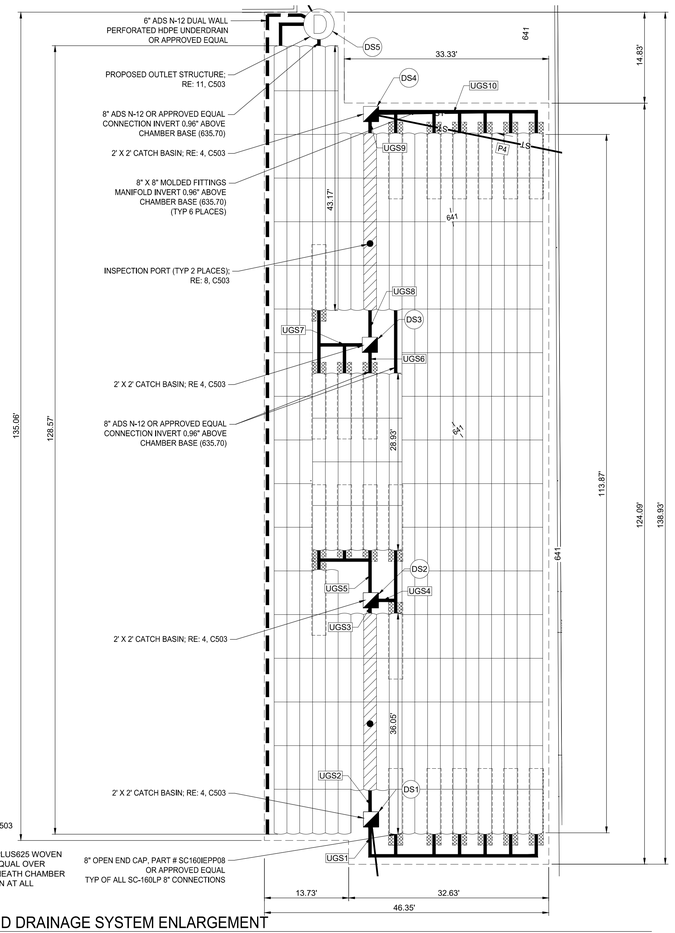
DRAINAGE PIPE TABLE				
PIPE I.D.	SIZE	LENGTH (L.F.)	SLOPE	MATERIAL
P1	12"	83.9	1.07%	HDPE
P2	12"	15.6	1.28%	HDPE
P3	12"	26.2	1.26%	PVC Pipe
P4	8"	44.3	4.81%	HDPE
P5	8"	74.6	1.34%	HDPE
UGS1	8"	REFER TO PLAN	0.00%	HDPE
UGS2	8"	REFER TO PLAN	0.00%	HDPE
UGS3	8"	REFER TO PLAN	0.00%	HDPE
UGS4	8"	REFER TO PLAN	0.00%	HDPE
UGS5	8"	REFER TO PLAN	0.00%	HDPE
UGS6	8"	REFER TO PLAN	0.00%	HDPE
UGS7	8"	REFER TO PLAN	0.00%	HDPE
UGS8	8"	REFER TO PLAN	0.00%	HDPE
UGS9	8"	REFER TO PLAN	0.00%	HDPE
UGS10	8"	REFER TO PLAN	0.00%	HDPE

LEGEND & ABBREVIATIONS:

- PROPOSED CATCH BASIN
- PROPOSED STORM MANHOLE
- 640 — PROPOSED MAJOR CONTOUR
- 641 — PROPOSED MINOR CONTOUR
- 640 — EXISTING MAJOR CONTOUR
- 641 — EXISTING MINOR CONTOUR

GENERAL GRADING AND DRAINAGE NOTES:

1. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION.
2. ALL EROSION AND SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, MAINTAINED, AND ULTIMATELY REMOVED.
3. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.
4. EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO FIELD VERIFY AND NOTIFY ENGINEER OF DISCREPANCIES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS IN RELATION TO PROPOSED GRADE PRIOR TO INSTALLATION AND NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES.
6. ALL EARTHWORK AND SOIL COMPACTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND RECOMMENDATIONS.
7. CONTRACTOR SHALL TOPSOIL. (6" MIN DEPTH) AND SEED ALL DISTURBED AREAS TO BE VEGETATED.
8. ALL STORM SEWER PIPE TO BE H.D.P.E UNLESS OTHERWISE NOTED.
9. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ADJACENT ROADWAYS SWEPT CLEAN AT ALL TIMES.
10. ALL STORM INLETS WITHIN (OR IMPACTED) BY THE WORK AREA SHALL HAVE TEMPORARY INLET PROTECTION DURING CONSTRUCTION.
11. ALL EARTHWORK SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL CONSULTANT'S RECOMMENDATIONS AS PART OF THE BROWNFIELD CLEANUP PROJECT. REFER TO PLANS BY OTHERS.
12. THE BASIS OF DESIGN FOR THE UNDERGROUND DETENTION SYSTEM REFLECTED ON THESE DRAWINGS IS AN ADS SYSTEM. THE CONTRACTOR SHALL SUBMIT A FINAL DESIGN FROM ADS OR OTHER APPROVED EQUAL FOR THE ENGINEER'S REVIEW AND APPROVAL.



BED LIMITS

ISOLATOR ROW PLUS; RE: 7, C503

PLACE MINIMUM 12.5' OF ADSPLUS625 WOVEN GEOTEXTILE OR APPROVED EQUAL OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS.

8" OPEN END CAP, PART # SC160IEPP08 OR APPROVED EQUAL
TYP OF ALL SC-160LP 8" CONNECTIONS

N

2 UNDERGROUND DRAINAGE SYSTEM ENLARGEMENT
SCALE: 1" = 20'-0"

BUDC
Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

631 NORTHLAND AVE.
BUFFALO, NY 14211

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0	ISSUED FOR BID	10/1/25

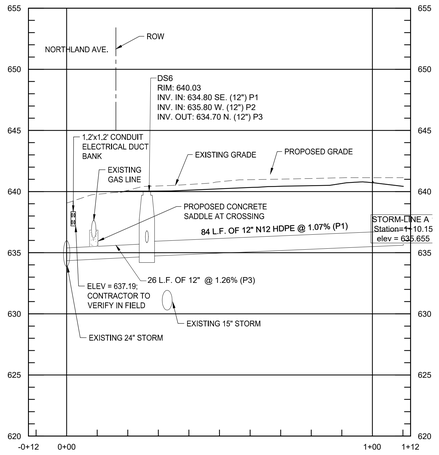
DWG. TITLE

GRADING AND DRAINAGE PLAN

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GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

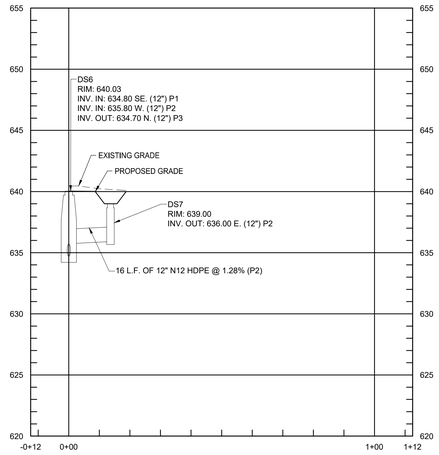
DATE	06/27/2025
SCALE	AS NOTED
DWN.	DGR
CHK.	TAR
PROJ. No.	432607
DWG. No.	

C301



1 STORM SEWER PROFILE - STORM-LINE A

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.



2 STORM SEWER PROFILE - STORM-LINE A-1

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

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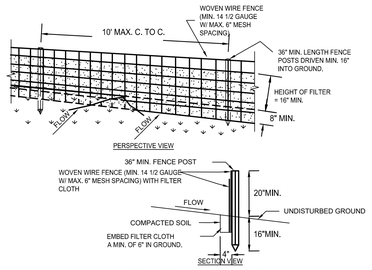
NO.	REVISIONS	DATE
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DWG. TITLE

STORM DRAIN PROFILES

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	AS NOTED
DWN.	DGR CHK. TAR
PROJ. No.	432607
DWG. No.	C302



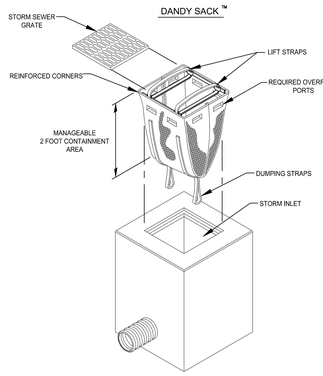
CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

1 TEMPORARY SILT FENCE

NTS

NOTE:
SILT FENCE MAY BE SUBSTITUTED FOR COMPOST FILTER SOCK WITH THE APPROVAL BY THE ENGINEER



DANDY SACK™ SPECIFICATIONS

NOTE: THE DANDY SACK™ WILL BE **MANUFACTURED IN THE U.S.A.** FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

REGULAR FLOW DANDY SACK™ (BLACK)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400) x 1.40 (315)
Grab Tensile Elongation	ASTM D 4632	%	15 x 15
Puncture Strength	ASTM D 4833	kN (lbs)	0.67 (150)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	5506 (800)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.67 (150) x 0.73 (165)
UV Resistance	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m (gal/min/ft) '	2852 (70)
Permittivity	ASTM D 4491	Sec'	0.90

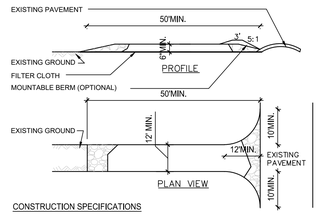
HI-FLOW DANDY SACK™ (SAFETY ORANGE)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV Resistance	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m (gal/min/ft) '	5907 (145)
Permittivity	ASTM D 4491	Sec'	2.1

*Note: All Dandy Sacks™ can be ordered with optional oil absorbent pillows

2 TEMPORARY DROP INLET PROTECTION

NTS

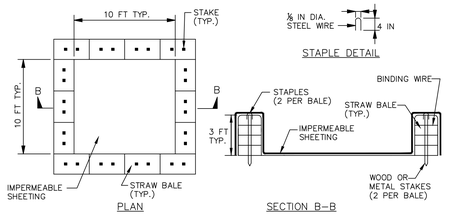


CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

3 TEMPORARY CONSTRUCTION ACCESS

NTS



NOTE: CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

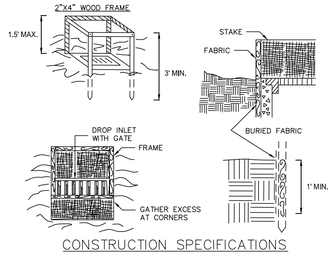
WASHOUT STRUCTURE WITH STRAW BALES

CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

4 ONSITE CONCRETE WASHOUT

NTS

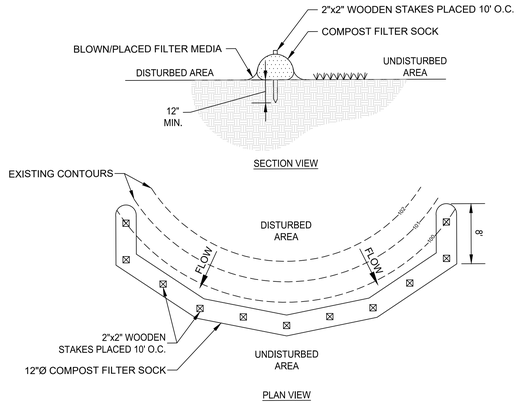


CONSTRUCTION SPECIFICATIONS

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

5 TEMPORARY FILTER FABRIC DROP INLET PROTECTION

NTS

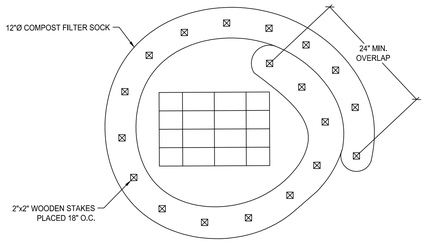


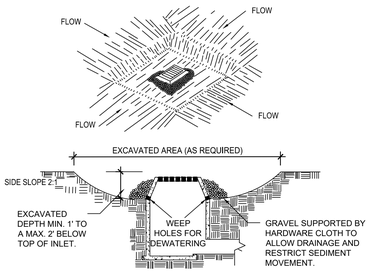
NOTES:

1. COMPOST FILTER SOCK MUST MEET THE STANDARDS AND SPECIFICATIONS OUTLINED IN SECTION 5 OF THE NEW YORK STATE STANDARD SPECIFICATIONS FOR EROISON AND SEDIMENT CONTROL, (JULY 2016)
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVEGROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
5. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
6. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

6 COMPOST FILTER SOCK

NTS





CONSTRUCTION SPECIFICATIONS

1. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
3. WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
4. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

MAXIMUM DRAINAGE AREA 1 ACRE

7 EXCAVATED DROP INLET PROTECTION DETAIL

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0	ISSUED FOR BID	10/1/25 L

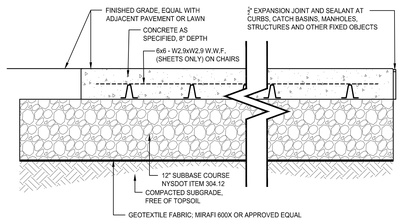
DWG. TITLE

EROSION AND SEDIMENT CONTROL DETAILS

0 1" 2"
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DATE 06/27/2025
SCALE AS NOTED
DWN. DGR CHK. TAR
PROJ. No. 432607
DWG. No.

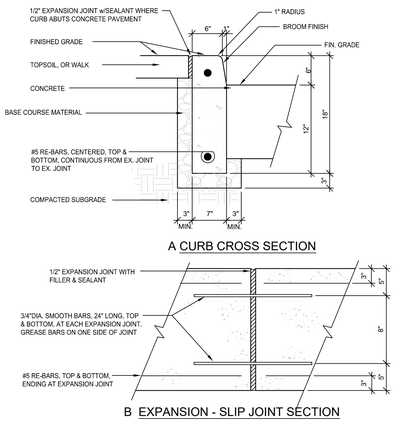
C501



1 HEAVY DUTY CONCRETE PAVEMENT

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NOTE: ALL EXTERIOR EXPOSED CONCRETE TO BE MIN. 5,000 PSI @ 28 DAYS IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATIONS



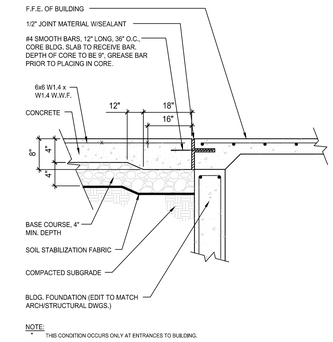
A CURB CROSS SECTION

B EXPANSION - SLIP JOINT SECTION

2 CONCRETE CURB

NTS

NOTE: ALL EXTERIOR EXPOSED CONCRETE TO BE MIN. 5,000 PSI @ 28 DAYS IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATIONS

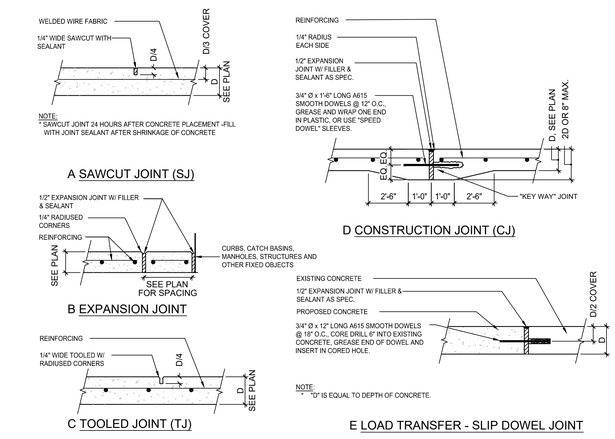


* THIS CONDITION OCCURS ONLY AT ENTRANCES TO BUILDING.

3 CONC. WALK/ BLDG. FOUNDATION JT.

NTS

NOTE: ALL EXTERIOR EXPOSED CONCRETE TO BE MIN. 5,000 PSI @ 28 DAYS IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATIONS



NOTE:
* SAWCUT JOINT 24 HOURS AFTER CONCRETE PLACEMENT -FILL WITH JOINT SEALANT AFTER SHRINKAGE OF CONCRETE

A SAWCUT JOINT (SJ)

B EXPANSION JOINT

C TOOLED JOINT (TJ)

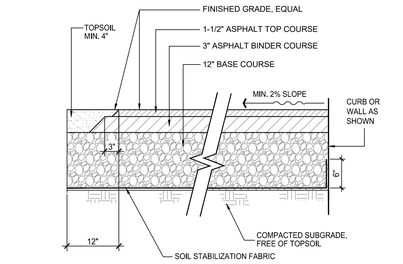
NOTE:
* "D" IS EQUAL TO DEPTH OF CONCRETE.

D CONSTRUCTION JOINT (CJ)

E LOAD TRANSFER - SLIP DOWEL JOINT

4 TYPICAL CONCRETE JOINTS

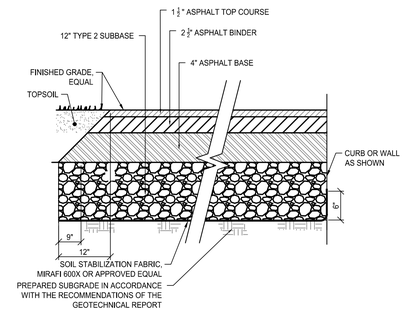
NTS



NOTE:
* DIMENSIONS GIVEN ON PLAN ARE TAKEN FROM EDGE OF ASPHALT TOP COURSE.

5 ASPHALT PAVEMENT - STANDARD DUTY

NTS



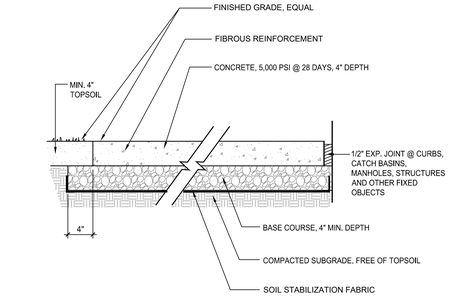
NOTE:
*DIMENSIONS GIVEN ON PLANS ARE TAKEN FROM EDGE OF ASPHALT TOP COURSE

5A HEAVY DUTY ASPHALT PAVEMENT

NTS

6 TYPICAL EXTERIOR BOLLARD DETAIL

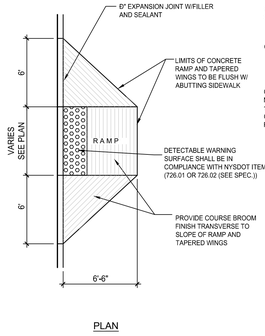
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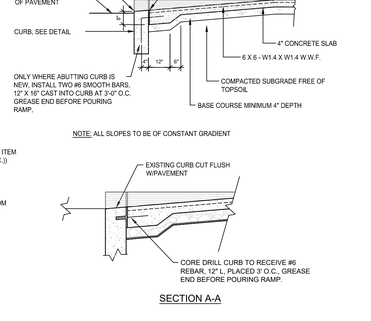
7 CONCRETE SIDEWALK - STANDARD DUTY

NTS

NOTE: ALL EXTERIOR EXPOSED CONCRETE TO BE MIN. 5,000 PSI @ 28 DAYS IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATIONS



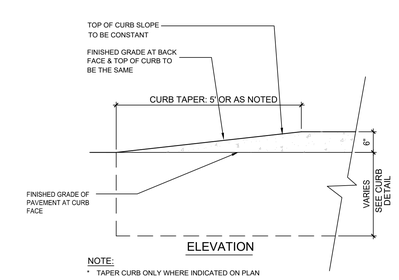
PLAN



SECTION A-A

8 ACCESSIBLE CURB-CUT (STRAIGHT)

NTS



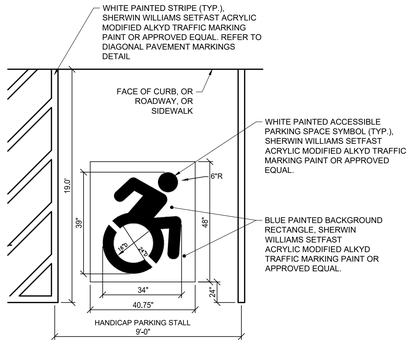
ELEVATION

NOTE:
* TAPER CURB ONLY WHERE INDICATED ON PLAN
* END OF CURB TAPER TO BE FLUSH WITH GRADE OF ADJOINING PAVEMENT

9 CONCRETE CURB TAPER

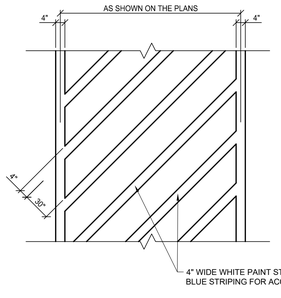
NTS

NOTE: ALL EXTERIOR EXPOSED CONCRETE TO BE MIN. 5,000 PSI @ 28 DAYS IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATIONS



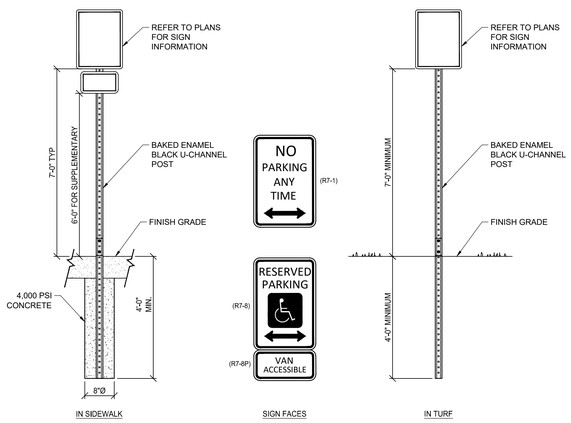
10 ACCESSIBLE PARKING SPACE SYMBOL

NTS



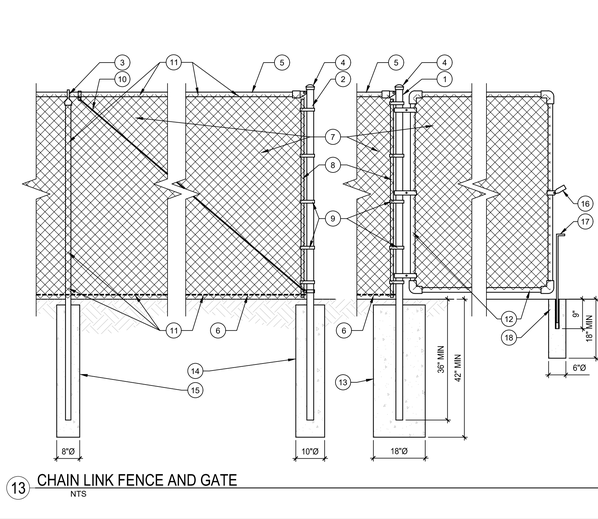
11 DIAGONAL PAVEMENT MARKINGS

NTS



12 TYPICAL SIGN POST INSTALLATION

NTS



NOTE:
REFER TO SPECIFICATION AND PLANS FOR FENCE FINISH, FENCE HEIGHT, POST SPACING, POST AND RAIL SIZES.

1. GATE POST
2. TERMINAL/CORNER POST
3. LINE POST
4. POST CAP
5. TOP RAIL (OR TENSION WIRE AS NOTED)
6. BOTTOM RAIL (OR TENSION WIRE AS NOTED)
7. WIRE FABRIC MESH
8. TENSION BAR
9. TENSION BANDS
10. TRUSS ROD
11. FABRIC TIES
12. GATE
13. GATE POST FOOTING
14. TERMINAL POST FOOTING
15. LINE POST FOOTING
16. LATCH AND LOCKING HARDWARE
17. 5/8"GATE KEEPER
18. PROVIDE KEEPER FOOTINGS FOR GATE IN CLOSED AND SECOND KEEPER FOOTING FOR GATE IN OPEN POSITION

13 CHAIN LINK FENCE AND GATE

NTS

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Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

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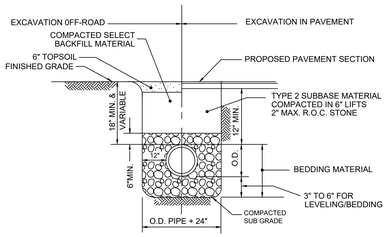
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0	ISSUED FOR BID	10/1/25

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SITE DETAILS

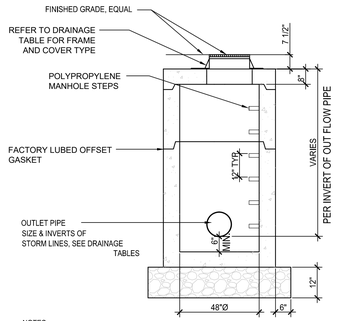
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	AS NOTED
DWN.	DGR CHK. TAR
PROJ. No.	432607
DWG. No.	C502



1 STORM SEWER TRENCH DETAIL

NTS



MANHOLE COVER NOTES:

TYPE 1:
EJ CASTING FRAME 1311Z AND SOLID COVER 1310A WITH WORD "STORM", OR APPROVED EQUAL

TYPE 2:
EJ CASTING FRAME 1311Z AND VENTED COVER 1310C WITH WORD "STORM", OR APPROVED EQUAL

TYPE 3:
EJ CASTING FRAME 1311Z AND GRATED COVER 1310M, OR APPROVED EQUAL

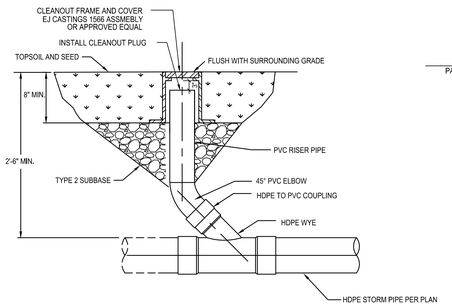
SIZE	RIM - INVERT	TOP
48"	7' OR LESS	FLAT TOP
48"	GREATER THAN 7'	ECCENTRIC CONE
60"	10' OR LESS	FLAT TOP
60"	GREATER THAN 10'	REDUCER AND/OR ECCENTRIC CONE

NOTES:

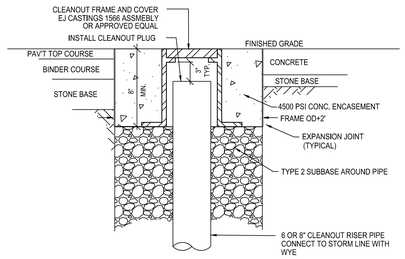
1. CONCRETE SHALL BE 4,000 PSI MINIMUM
2. MANHOLE DESIGN SHALL CONFORM TO LATEST ASTM C478 SPECIFICATIONS
3. BASE SECTION SHALL BE ONE POUR MONOLITHIC
4. STRUCTURE SHALL BE PLACED ON MINIMUM 12" DEPTH COMPACTED #1 STONE
5. MANHOLE STRUCTURE SHALL BE MODEL MH-MH4ST AS MANUFACTURED BY KISTNER CONCRETE PRODUCTS INC., PEMBROLE, NY OR ACCEPTABLE EQUIVALENT.
6. INLET FRAME AND GRATE SHALL BE MODEL R-2501, GRATE TYPE G AS MANUFACTURED BY NEENAH FOUNDRY, NEENAH, WI OR ACCEPTABLE EQUIVALENT.

2 STORM MANHOLE

NTS



IN LAWN

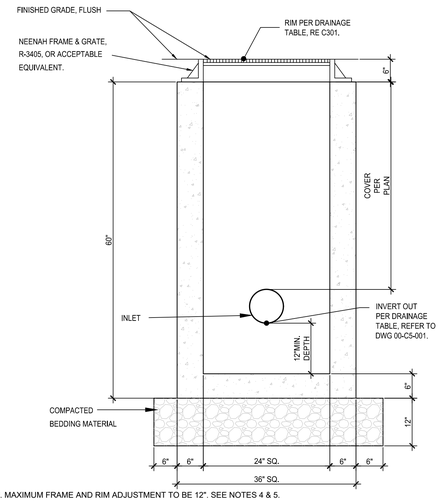


NOTE: LOAD BEARING CONCRETE COLLAR SHALL BE CONSTRUCTED IN TRAFFIC AREAS SUCH THAT THE LIVE LOAD IS TRANSMITTED TO THE SURROUNDING SOIL AND NOT DIRECTLY TO THE RISER.

IN PAVEMENT

3 STORM CLEANOUT DETAIL

NTS



1. MAXIMUM FRAME AND RIM ADJUSTMENT TO BE 12". SEE NOTES 4 & 5.

2. WALL THICKNESS FOR STRUCTURES TO BE 6".

3. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS OF STRUCTURE.

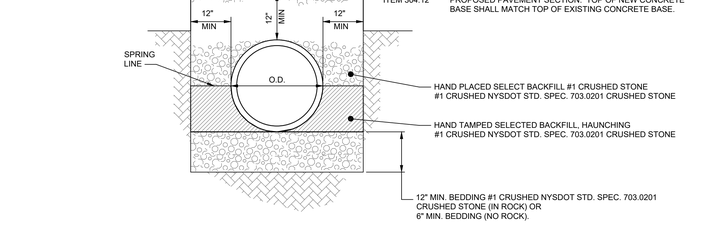
4. FOR ALL DRAINAGE STRUCTURES A MAXIMUM OF 2" OF MORTAR ALONE SHALL BE USED FOR TOP SLAB AND/OR FRAME AND GRATE ADJUSTMENT. FOR ADJUSTMENTS, NOT TO EXCEED 12", CAST IN PLACE CONCRETE OR A PRECAST CONCRETE ADJUSTMENT ELEMENT(S) MANUFACTURED IN ACCORDANCE WITH N.Y.S.D.O.T. STANDARD SPECIFICATION NO. 706-04 SHALL BE USED. A MAXIMUM 2" OF MORTAR SHALL BE ALLOWED ON BOTH THE TOP AND BOTTOM OF THE PRECAST DEVICES. MORTAR SHALL BE MORTAR FOR CONCRETE MASONRY CONFORMING TO N.Y.S.D.O.T. STANDARD SPECIFICATION NO. 705-21.

5. THE USE OF PRECAST CONCRETE PAVERS AND MORTAR FOR FRAME AND GRATE ADJUSTMENT WILL NOT BE ALLOWED.

6. PRECAST CATCH BASIN TO BE 4000 PSI MINIMUM.

4 CATCH BASIN DETAIL

NTS



NOTES:

1. CONNECT NEW PIPE TO EXISTING PIPE WITH MISSION COUPLING, APPROPRIATELY SIZED FOR CONNECTING PIPES. EXISTING PIPE EDGE MUST BE SQUARELY CUT, NO BROKEN EDGES.

5 P.V.C PIPE TRENCH DETAIL - FOR STORM SEWER INSTALLATION WITHIN C.O.B. R.O.W.

NTS

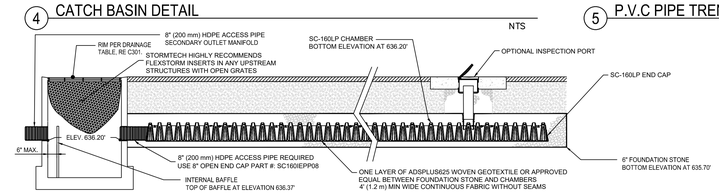
	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTA THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF EMBEDMENT STONE ('B' LAYER) TO THE (305 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. [2,3]

PLEASE NOTE:

1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".

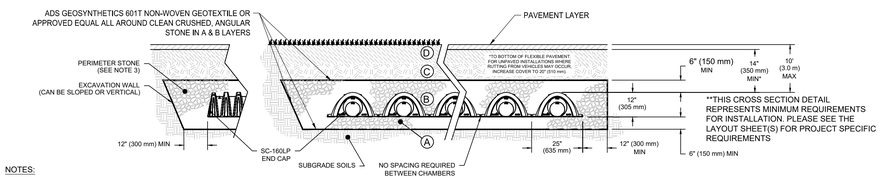
6 ACCEPTABLE FILL MATERIALS: STORMTECH SC-160LP CHAMBER SYSTEMS

NTS



ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE OR APPROVED EQUAL ALL AROUND CLEAN CRUSHED, ANGULAR STONE IN A & B LAYERS

PAVEMENT LAYER

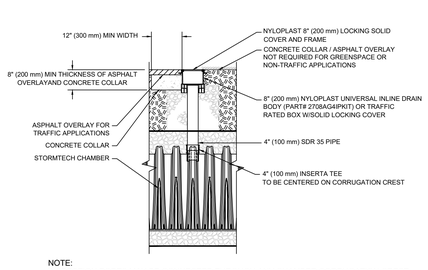


NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
3. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
4. REQUIREMENTS FOR HANDLING AND INSTALLATION:
- TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS
- TO ENSURE A SECURE JOINT DURING THE INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 1.5"
- TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 325 LBS/FT/% AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

7 SC-160LP ISOLATOR ROW PLUS DETAIL

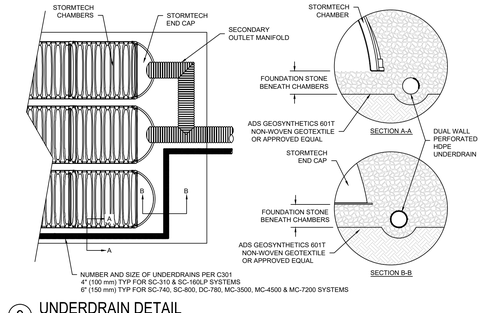
NTS



NOTE:
INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION CREST.

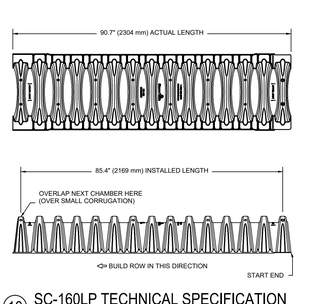
8 4" PVC INSPECTION PORT DETAIL

NTS



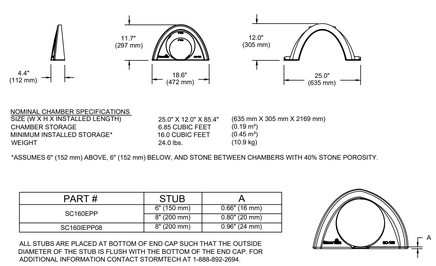
9 UNDERDRAIN DETAIL

NTS



10 SC-160LP TECHNICAL SPECIFICATION

NTS



NOMINAL CHAMBER SPECIFICATIONS

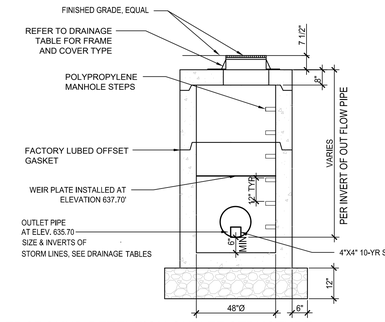
SIZE (W X H X INSTALLED LENGTH)	25.0" X 12.0" X 85.4"	(635 mm X 305 mm X 2169 mm)
CHAMBER STORAGE	6.85 CUBIC FEET	(0.19 m³)
MINIMUM INSTALLED STORAGE*	16.0 CUBIC FEET	(0.45 m³)
WEIGHT	24.0 lbs.	(10.9 kg)

*ASSUMES 6" (152 mm) ABOVE, 6" (152 mm) BELOW, AND STONE BETWEEN CHAMBERS WITH 40% STONE POROSITY.

PART #	STUB	A
SC160EPP	6" (150 mm)	0.66" (16 mm)
	8" (200 mm)	0.80" (20 mm)
SC160EPP08	8" (200 mm)	0.96" (24 mm)

ALL STUBS ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

NOTE: ALL DIMENSIONS ARE NOMINAL



11 UNDERGROUND DETENTION OUTLET STRUCTURE

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DWG. TITLE

STORM SEWER DETAILS

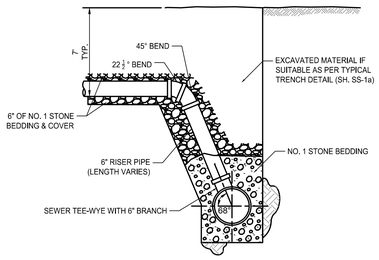
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SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	AS NOTED
DWN.	DGR CHK. TAR
PROJ. No.	432607
DWG. No.	C503

STANDARD SANITARY SEWER NOTES:

1. ALL UTILITY LOCATIONS ARE JUDGED TO BE APPROXIMATE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES IN THE FIELD WHETHER OR NOT SHOWN ON THE PLANS.
2. MANHOLE FRAMES AND COVERS CAN BE PURCHASED, IF AVAILABLE, BY THE CONTRACTOR FROM THE BUFFALO SEWER AUTHORITY AT THE FOOT OF FERRY ST.
3. STANDARD MANHOLE STEPS SHALL BE SYRACUSE CASTING SALES CORP. PATTERN NO. 2592-1 DR. NEENAH FOUNDRY CO. NO. A-1982-T OR EQUAL. THE METHOD OF ATTACHING MANHOLE STEPS TO THE PRECAST SECTIONS SHALL BE APPROVED BY THE ENGINEER.
4. WHERE PRECAST MANHOLE SECTIONS ARE USED, APPROVED NON-SHRINK MORTAR OR SELF CONTAINED RUBBER GASKETS WILL BE USED TO MAKE EACH JOINT. THE OUTSIDE AND INSIDE OF EACH JOINT WILL BE GROUTED WITH NON-SHRINK MORTAR.
5. THE CONTRACTOR SHALL CONSTRUCT, AT NO EXTRA COST, MANHOLES WITH FLAT SLAB COVERS OF APPROVED DESIGN WHERE THE MANHOLE DEPTH IS INSUFFICIENT TO PERMIT INSTALLATION OF THE TAPER TOP.
6. ALL MANHOLES ARE TO HAVE A TOP OPENING OF 2' - 0". THIS WILL BE ACCOMPLISHED BY THE USE OF ECCENTRIC TAPER TOPS AND/OR APPROVED TAPER SECTIONS MEETING ASTM C478. UNLESS OTHERWISE SHOWN.
7. OPENINGS SHALL BE PROVIDED IN PRECAST MANHOLE BASE SECTIONS WHERE A FUTURE CONNECTION IS CALLED FOR ON THE PLANS; THE INVERT FORMED AND THE OPENING SHALL BE BULKHEADED WITH BRICK.
8. ALL PRECAST MANHOLE SECTIONS AND PRECAST MANHOLE BASE CHAMBERS TO COMPLY WITH ASTM C478 YEAR OF LATEST REVISION.
9. MANHOLE TROUGHS TO BE CONSTRUCTED TO MAINTAIN SMOOTH HYDRAULIC FLOW PATTERNS.
10. ALL MANHOLE FRAMES AND COVERS SHALL BE INSTALLED WITH SUFFICIENT CONCRETE RINGS OR BRICK COURSES TO ALLOW FOR AN ADJUSTMENT IN GRADE FOR A 12 INCH MAXIMUM CUT.
11. ALL SDR 35 PVC PIPE MANHOLE CONNECTIONS SHALL BE ACCOMPLISHED USING AN APPROVED SEAL OR WATERSTOP. MANHOLE CONNECTIONS CAN BE MADE AS FOLLOWS:
    * MANHOLE COUPLINGS PROVIDING ELASTOMERIC GASKET SEAL. UNIT IS GROUTED INTO MANHOLE WALL. PIPE INSERTS INTO COUPLING.
    * WATERSTOP IN VARIOUS FORMS (E.G. FLEXIBLE BOOT OR SLEEVE. O - RING OR GASKET) PRODUCED FROM ELASTOMERIC COMPOUND IS GROUTED OR LOCKED INTO MANHOLE WALL. PIPE INSERTS INTO WATERSTOP.
    * PRECAST MANHOLE WITH CONNECTION PORTS WITH ELASTOMERIC SEALS PRECAST INTO MANHOLE WALL. PIPE INSERTS INTO CONNECTION PORT.
12. THE CONTRACTOR SHALL REPLACE SERVICE LATERALS WITH SDR 35 PVC PIPE FROM THE SEWER MAIN AS INDICATED ON THE PLANS OR A.O.B.E. AND MAKE THE CONNECTIONS AS DESCRIBED IN SECTION 08.100 OF THE CITY OF BUFFALO SPECIFICATIONS.
13. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY DRAINAGE FACILITIES REQUIRED TO ENSURE THE SATISFACTORY DRAINAGE OF THE ENTIRE PROJECT DURING CONSTRUCTION. NO DIRECT PAYMENT WILL BE MADE FOR THE TEMPORARY DITCHES, CHANNELS AND SPECIAL GRADING, BUT THE COST SHALL BE INCLUDED IN THE PRICE BID FOR ALL THE ITEMS OF THIS CONTRACT.
14. ANY BENDS NEEDED FOR CONNECTIONS FROM PROPOSED DRAINAGE STRUCTURES TO EXISTING STRUCTURES OR PIPE SHALL BE AS ORDERED BY THE ENGINEER.
15. ALL SEWER AND DRAINAGE WORK SHALL CONFORM IN ALL RESPECTS TO THE BUFFALO SEWER AUTHORITY STANDARDS.
16. MANHOLES AND COVERS SHALL BE ADEQUATE FOR HS20 LOADING.
17. EXISTING SEWERS AND MANHOLES SHALL NOT BE ABANDONED UNTIL THE NEW SEWER HAS BEEN COMPLETED AND ALL SERVICE LATERALS CONNECTED.
18. ON ALL EXISTING MANHOLES TO BE ABANDONED THE CONTRACTOR SHALL SALVAGE THE FRAME AND COVER AND RETURN THEM TO THE BUFFALO SEWER AUTHORITY MAINTENANCE GARAGE AT THE FOOT OF WEST FERRY STREET.
19. ALL ABANDONED PIPES ENCOUNTERED DURING TRENCHING EXCAVATIONS SHALL BE PROPERLY BULKHEADED AT THE FACE OF THE TRENCH OR A.O.B.E. NO PIPE IS TO BE BULKHEADED WITHOUT A THOROUGH INVESTIGATION THAT IT IS ABANDONED.
20. NEW SANITARY SEWER DEFLECTION SHALL NOT EXCEED 5% AFTER 30 DAYS.
21. TESTING:

    INFILTRATION AND LEAKAGE TESTING: ALL SANITARY SEWER CONSTRUCTION SHALL BE TESTED. TO ASSURE THAT INFILTRATION OR LEAKAGE SHALL NOT EXCEED 100 GALS. PER INCH OF INTERNAL PIPE DIAMETER PER MILE OF SEWER, PER 24 HOURS. THE ALLOWABLE RATE OF INFILTRATION GIVEN IN GALLONS PER MILE IS NOT TO BE CONSTRUED AS A COMMITMENT ON THE PART OF THE OWNER TO ACCEPT AN ENTIRE LINE WHERE OVERALL INFILTRATION IS LESS THAN THE ALLOWABLE, WHILE ONE OR MORE RUNS CONTRIBUTE EXCESSIVE INFILTRATION.
    PRIOR TO COMMENCING WORK ON THE SANITARY SEWER THE CONTRACTOR SHALL SUBMIT IN WRITING TO THE OWNER/ENGINEER HIS PROPOSED METHOD OF AIR TESTING TO INSURE THE ABOVE LIMITS OF POINT INTEGRITY. THESE AIR TESTS WILL BE PERFORMED AS THE WORK PROGRESSES. EACH RUN OF SEWER FROM MANHOLE TO MANHOLE SHALL BE TESTED FOR COMPLIANCE WITH THE INFILTRATION LIMITS. WHEN TESTS INDICATE DEFECTIVE CONSTRUCTION, THE DEFECTIVE PIPE RUN SHALL BE REPAIRED OR REPLACED AS REQUIRED TO COMPLY WITH THE ALLOWABLE RATE OF INFILTRATION AT NO ADDITIONAL COST TO THE OWNER.
22. ALL POLYVINYL CHLORIDE (PVC) SANITARY SEWER PIPE SHALL BE SDR-35 CONFORMING TO ASTM REQUIREMENTS IN D-3034 OR F679 AND D-1784 WITH RUBBER-RING BELL JOINTS AS IN D-3212.
23. CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT FEES.

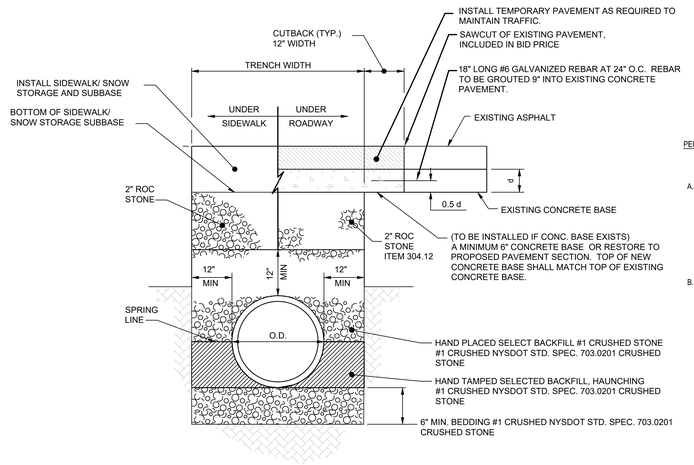


NOTES:

1. COMPACTED STONE BEDDING FOR A DISTANCE OF 4' ALONG THE MAINLINE TRENCH EACH SIDE OF THE WYE OR THE RISER.
2. SERVICE LATERALS AND RISER PIPE SHALL BE OF THE SAME MATERIAL & CLASS AS USED FOR SEWER MAINS.

(2) DROP SEWER CONNECTION

NTS



PERMANENT PAVEMENT REPLACEMENT IN CITY OF BUFFALO R.O.W.:

REPLACE PAVEMENT IN THICKNESS AND KIND, OR AS REQUIRED BY APPROPRIATE AUTHORITY.

A. MINIMUM STANDARD FOR DRIVEWAY
   - CONCRETE - 6" -4000 P.S.I. CONCRETE WITH 4x4 - W2.9xW2.9 W.W.F. 4" -2" R.O.C. SUB BASE COURSE
   - ASPHALT - 1" -N.Y.S.D.O.T. ITEM 403.18 TYPE 7 TOP; 1 1/2" -N.Y.S.D.O.T. ITEM 403.13 TYPE 3 BINDER; 6" -2" R.O.C. SUB BASE COURSE
   - STONE - 1/2" -No. 1A STONE COMPACTED ON SURFACE; 8" -2" R.O.C. SUB BASE COURSE

B. MINIMUM STANDARD FOR ROAD
   - CONCRETE - 9" -4000 P.S.I. CONCRETE WITH 6x6 - W2.9xW2.9 W.W.F., TOP AND BOTTOM; 12" -2" R.O.C. SUB BASE COURSE
   - ASPHALT - 1" -N.Y.S.D.O.T. ITEM 403.1901 TYPE 7F TOP; 5" -N.Y.S.D.O.T. ITEM 403.13 TYPE 3 BINDER; 12" -2" R.O.C. SUB BASE COURSE

NOTES:

1. CONNECT NEW PIPE TO EXISTING PIPE WITH MISSION COUPLING, APPROPRIATELY SIZED FOR CONNECTING PIPES. EXISTING PIPE EDGE MUST BE SQUARELY CUT, NO BROKEN EDGES.

(1) SANITARY SEWER PIPE TRENCH DETAIL

NTS

BUDC
Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

631 NORTHLAND AVE.
BUFFALO, NY 14211

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NO.	REVISIONS	DATE
1	ISSUED FOR PERMIT	10/1/25
0	ISSUED FOR BID	10/1/25

DWG. TITLE

SANITARY SEWER DETAILS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	AS NOTED
DWN.	DGR
CHK.	TAR
PROJ. No.	432607
DWG. No.	**C504**

WATERMAINS AND SERVICES NOTES:

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, DEWATERING, SHORING AND OTHER ITEMS. TEMPORARY OR PERMANENT, REQUIRED TO COMPLETE THE WORK AS INTENDED BY THE CONTRACT DOCUMENTS AND AS DIRECTED BY THE ENGINEER

2. THE CONTRACTOR SHALL NOT OPERATE VALVES ON EXISTING MAINS OR ON NEW MAINS APPROVED FOR USE. THE OPERATION OF VALVES SHALL ONLY BE DONE BY CITY OF BUFFALO, DIVISION OF WATER PERSONNEL.

3. WORK DENOTED ON THE PLANS AS "OPERATION NO. ##" SHALL BE PERFORMED BY DIVISION OF WATER PERSONNEL. THE CONTRACTOR SHALL PROVIDE ALL EXCAVATION, BACKFILL, RESTORATION, LABOR AND MATERIAL REQUIRED TO COMPLETE THE WORK AND SHALL PROVIDE ASSISTANCE TO THE CITY CREW AS REQUESTED. THE CONTRACTOR SHALL NOTIFY THE DIVISION OF WATER PROJECT REPRESENTATIVE AT LEAST TWO (2) WORKING DAYS PRIOR TO THE PROPOSED OPERATION DATE TO SCHEDULE THE WORK. AT THE TIME OF SCHEDULING, THE CONTRACTOR SHALL HAVE THE REQUIRED MATERIAL ON HAND FOR THE OPERATION AND SHALL HAVE EXCAVATED THE OPERATION SITE TO VERIFY THAT THE WORK CAN BE COMPLETED AS DESIGNED.

4. PRIOR TO STARTING CONSTRUCTION ACTIVITIES ON A STREET, THE CONTRACTOR WILL ARRANGE WITH THE ENGINEER TO PERFORM A WATER SERVICE SURVEY. PROBLEMS ENCOUNTERED SHOULD BE BROUGHT IMMEDIATELY TO THE ENGINEER'S ATTENTION IN WRITING.

5. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL REQUEST ALL UTILITIES TO LOCATE THEIR RESPECTIVE LINES AND FACILITIES. LOCATION OF EXISTING UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES WITHIN THE PROJECT LIMITS.

6. THE CONTRACTOR SHALL PERFORM ALL WORK CAREFULLY WHEN CROSSING EXISTING WATER SERVICE LINES, SEWER LINES AND OTHER UTILITY LINES AND FACILITIES TO PREVENT DAMAGING THEM.

7. ANTICIPATED WATERMAIN RELOCATION/DEFLECTIONS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY/CONFIRM THESE LOCATIONS AND ANY ADDITIONAL CONFLICTS PRIOR TO AND DURING CONSTRUCTION. THE NEED FOR WATERMAIN RELOCATION/DEFLECTION SHALL BE AS DETERMINED IN THE FIELD BY THE ENGINEER.

8. THE LOCATION OF DRAINAGE INLET (DI) LATERALS ARE UNKNOWN. WHEN WORKING IN THE VICINITY OF A DI, THE CONTRACTOR SHALL USE DUE CAUTION TO PREVENT DAMAGING THE LATERAL.

9. SERVICE TAPS ON NEW MAINS SHALL BE MADE BY THE CONTRACTOR PRIOR TO CHLORINATION OF THE MAIN. AFTER THE MAIN HAS BEEN APPROVED FOR USE, THE CONTRACTOR SHALL INSTALL OR RECONNECT SERVICES, AS DIRECTED BY THE ENGINEER. SERVICE TAPS ON EXISTING MAINS SHALL BE MADE BY CITY OF BUFFALO DIVISION OF WATER PERSONNEL.

10. ALL EXCAVATED MATERIAL AND DEBRIS SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF SITE BY THE CONTRACTOR.

11. ALL VALVE BOXES ON ABANDONED LINES SHALL HAVE THE TOP HALF REMOVED OR BROKEN OFF AT LEAST 2' - 0" BELOW FINAL GRADE AND THE REMAINING PORTION SHALL BE FILLED WITH CONCRETE. THE SURFACE SHALL THEN BE RESTORED TO ITS ORIGINAL STATE.

12. THE CONTRACTOR SHALL KEEP THE SITE OF THE WORK AND ADJACENT PREMISES FREE FROM MATERIAL, DEBRIS AND RUBBISH AND SHALL REMOVE ALL TEMPORARY STRUCTURES, SURPLUS MATERIAL, TOOLS, EQUIPMENT, AND IMPLEMENTS CONNECTED TO OR CAUSED BY THE WORK IMMEDIATELY UPON COMPLETION AND SHALL LEAVE THE PREMISES IN ORIGINAL OR BETTER CONDITION.

13. UNLESS DIRECTED OTHERWISE BY THE ENGINEER, ALL CONNECTIONS BETWEEN NEW AND EXISTING WATERLINES SHALL BE MADE WITH SOLID SLEEVES.

14. NEW HYDRANT VALVES SHALL BE PLACED AS CLOSE TO THE MAIN AS POSSIBLE AND RESTRAINED TO THE MAIN.

15. ALL WATER SHUT DOWNS SHALL BE KEPT TO A MINIMUM. EACH SHUT DOWN OCCURRENCE SHALL NOT EXCEED FOUR HOURS IN DURATION UNLESS PRIOR APPROVAL IS RECEIVED FROM THE ENGINEER. ALL PROPERTIES TO BE AFFECTED BY A SHUT DOWN SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS IN ADVANCE. WHERE A WATER SHUT DOWN WILL CAUSE AN UNDUE BURDEN, AS DETERMINED BY THE ENGINEER, TO A BUSINESS OR PROPERTY OWNER. THE WORK WILL BE SCHEDULED TO MINIMIZE THE IMPACT OR TEMPORARY SERVICE CONNECTION WILL BE PROVIDED.

16. ALL WATERMAIN PIPING SHALL BE INSTALLED WITH A MINIMUM OF 1'-6" OF VERTICAL CLEARANCE AND 10'-0" OF HORIZONTAL CLEARANCE FROM SANITARY AND/OR STORM PIPE.

17. ALL WATERMAIN PIPING SHALL BE INSTALLED WITH A MINIMUM OF 5'-0" OF COVER.

18. WHERE WATERLINES HAVE LESS THAN 4 FEET OF COVER BELOW THE PAVEMENT, OR AS NOTED ON PLANS, THEY SHALL BE INSULATED WITH A 2 INCH THICK 24 INCH WIDE EXTRUDED POLYSTYRENE INSULATION BOARD WITH A MINIMUM COMPRESSIVE STRENGTH OF 60 PSI AT 10% DEFORMATION AND A THERMAL CONDUCTIVITY OF LESS THAN 0.185 BTU/HR./S.F./F DEGREE/INCH OF DEPTH OR A PRE-INSULATED PIPE.

19. THRUST RESTRAINTS FOR WATER SERVICE PIPING SHALL BE INSTALLED AT ALL CHANGES IN DIRECTION, CHANGES IN SIZE, DEAD ENDS OR OTHER LOCATIONS WHERE SHOWN OR NOTED IN THE CONTRACT DOCUMENTS OR AS DETERMINED IN THE FIELD BY THE ENGINEER.

20. THRUST RESTRAINTS FOR WATER MAIN PIPING SHALL CONSIST OF BOTH THRUST BLOCKS AND MECHANICAL RESTRAINTS OF THE SIZE AND TYPE SPECIFIED OR AS REQUIRED BY THE PRESSURE AND STABILITY OF THE SUPPORTING SURFACE.

21. ALL NEW WATERLINE VALVES, HYDRANTS, AND OTHER APPURTENANCES ARE TO BE LOCATED AS SHOWN ON THE PLANS OR WHERE ORDERED BY THE CITY DPW AND ARE NOT TO SCALE AND MAY NOT INDICATE EXACT LOCATIONS.

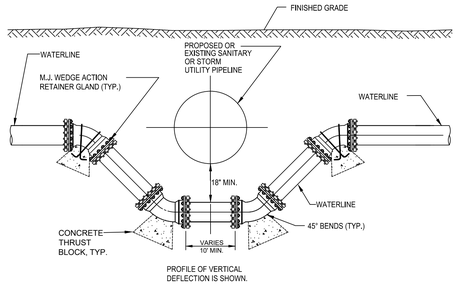
22. ALL VALVE BOXES TO BE SET WITH COVER FLUSH WITH FINISHED GRADE. (REFER TO TYPICAL VALVE SETTING DETAIL).

23. DISINFECTION:
ALL NEWLY LAID, OR RELAID PIPE AND APPURTENANCES SHALL BE DISINFECTED BEFORE BEING PLACED IN SERVICE AS DESCRIBED IN SECTION 09 OF THE CITY OF BUFFALO SPECIFICATIONS (AWWA C-651).

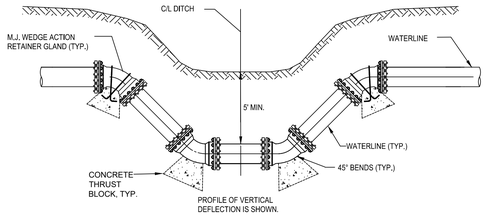
24. HYDROSTATIC TESTING:
PRESSURE AND LEAKAGE TESTS: ALL DUCTILE IRON WATERMAIN PIPE AND VALVED SECTIONS SHALL BE TESTED AS DESCRIBED IN SECTION 09 OF THE CITY OF BUFFALO SPECIFICATIONS (AWWA-C600). THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY OR PERMANENT RESTRAINT FOR DEAD END FACILITIES DURING PRESSURE TESTING. RESTRAINT SHALL BE SIZED TO SAFELY RESIST 125% OF THE TESTING PRESSURE OR A MINIMUM OF 150 PSI.

25. DUCTILE IRON PIPE
   A. ALL WATERLINE SHALL BE DUCTILE IRON, CLASS 52. ALL DUCTILE IRON PIPE SHALL HAVE A FACTORY APPLIED CEMENT-MORTAR LINING CONFORMING TO ANSI-A-21.4 AND AWWA-C-104. THE OUTSIDE OF THE PIPE SHALL BE COATED WITH BLACK TAR PAINT CONFORMING TO THE LATEST ANSI AND AWWA SPECIFICATIONS.

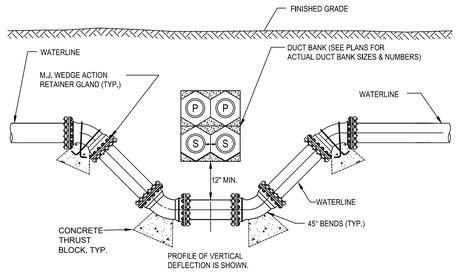
26. CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT FEES.



1 TYPICAL DEFLECTION BELOW SEWER UTILITY PIPELINE



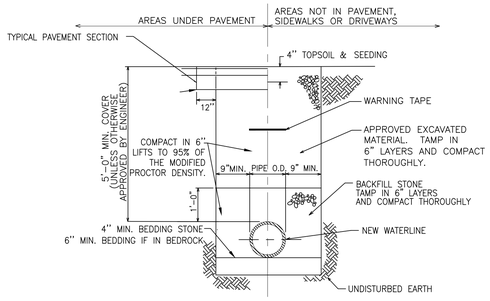
2 TYPICAL DEFLECTION BELOW DITCH
NTS



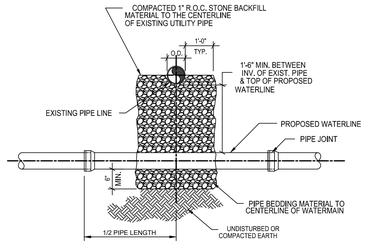
3 TYPICAL DEFLECTION BELOW DUCT BANK
NTS

NOTES:
1. RESTRAINED MECHANICAL JOINTS SHOWN EXCEPT AS NOTED.
2. VALVES, TEES AND HYDRANTS MAY BE HARNESSED SIMILARLY.
3. HARNESSING IS FOR RESISTANCE TO INTERNAL PRESSURES-PIPE ITSELF MUST BE SUPPORTED ON FIRM BEDDING AND CAREFULLY BACKFILLED.

4 TYPICAL PRESSURE PIPE HARNESSING DETAILS USED FOR CHANGES IN VERTICAL PIPE ALIGNMENT

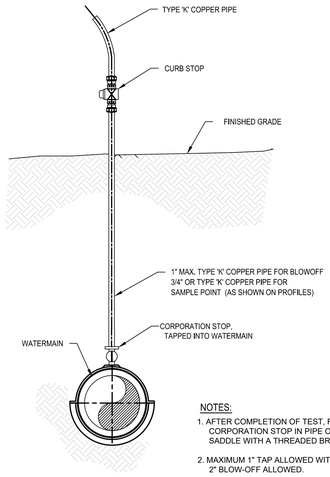


5 TYPICAL WATERLINE TRENCH DETAIL
NTS



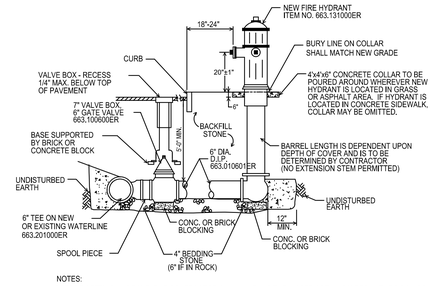
NOTES:
1. ALL EXISTING UTILITIES MUST BE SUPPORTED DURING CONSTRUCTION OF THE NEW WATERLINE. COST SHALL BE INCLUDED IN PIPE PRICE.
2. WHEN CROSSING A SEWERLINE WITH A NEW WATERLINE, ONE FULL PIPE LENGTH (18 FT. MIN.) SHALL BE USED AT THE POINT OF CROSSING. THE PIPE LINE SHALL BE PLACED SO THAT BOTH JOINTS ARE AS FAR AS POSSIBLE FROM THE EXISTING SEWERLINE
3. MAINTAIN 10'-0" MIN. HORIZONTAL AND 18" MIN. VERTICAL SEPARATION BETWEEN WATERLINE AND SEWERLINES.

6 TYPICAL PIPE CROSSING DETAIL
NTS



NOTES:
1. AFTER COMPLETION OF TEST, REPLACE CORPORATION STOP IN PIPE OR SERVICE SADDLE WITH A THREADED BRASS PLUG.
2. MAXIMUM 1" TAP ALLOWED WITH 8" PIPE - NO 2" BLOW-OFF ALLOWED.

7 TEMPORARY BLOW-OFF/SAMPLING POINT
NTS



NOTES:
BEFORE SETTING HYDRANT, THE CONTRACTOR SHALL UNPLUG THE WASTE OPENING/WEEP IN THE BOWL OF HYDRANT AS DIRECTED BY THE ENGINEER IF NOT ALREADY UNPLUGGED BY THE MANUFACTURER.

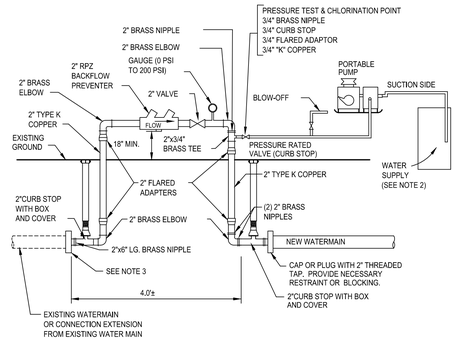
WASTE OPENING/WEEP SHALL REMAIN CLOSED IF WITHIN 7 FEET OF GROUNDWATER AND HYDRANT SHALL BE TAGGED.

ALL 6" PIPING SHALL BE RESTRAINED FROM THE HYDRANT TO THE BRANCH OF TEE INCLUDING HYDRANT, VALVE, BRANCH AND TEE OR THRUST BLOCKS PLACED AT TEE AND HYDRANT AS SHOWN ON DETAIL.

BACKFILL WITH #2 CRUSHED STONE TO BOTTOM OF PAVEMENT SUBBASE ELEVATION, TAMP IN 6" LAYERS, PLACE 4" (6" IF IN ROCK) OF #1 WASHED STONE FOR BEDDING OF BRANCH PIPING.

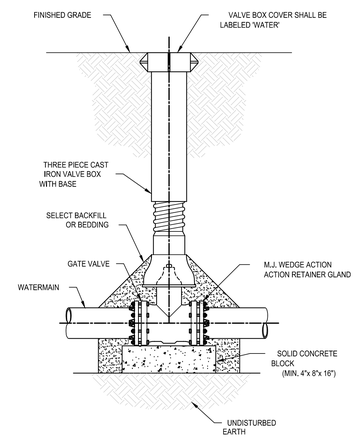
HYDRANT SHALL NOT BE LOCATED IN ANY CURB RADIUS. HYDRANT LOCATIONS SHALL BE DETERMINED BY THE DIVISION OF WATER'S ENGINEER GIVEN 24 HOUR NOTICE.

8 TYPICAL HYDRANT INSTALLATION
NTS



NOTES:
1. BACTERIOLOGICAL WATER SAMPLES SHALL BE TAKEN AT WATERMAIN BEGINNING AND END STATIONS AND AT MAXIMUM 1000 FT. SPACING.
2. FOR PRESSURE TESTING PROVIDE CLEAN WATER SUPPLY. FOR DISINFECTION PROVIDE CHLORINATED WATER SUPPLY.
3. CAP OR PLUG WITH 2-INCH THREADED TAP OR 2-INCH TAP INTO MAIN. PROVIDE NECESSARY RESTRAINT AND BLOCKING.

9 PRESSURE TESTING AND DISINFECTION APPARATUS SCHEMATIC
NTS



NOTE:
1. VALVE SHALL NOT SUPPORT VALVE BOX.

10 GATE VALVE SETTING
NTS

BUDC
Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION
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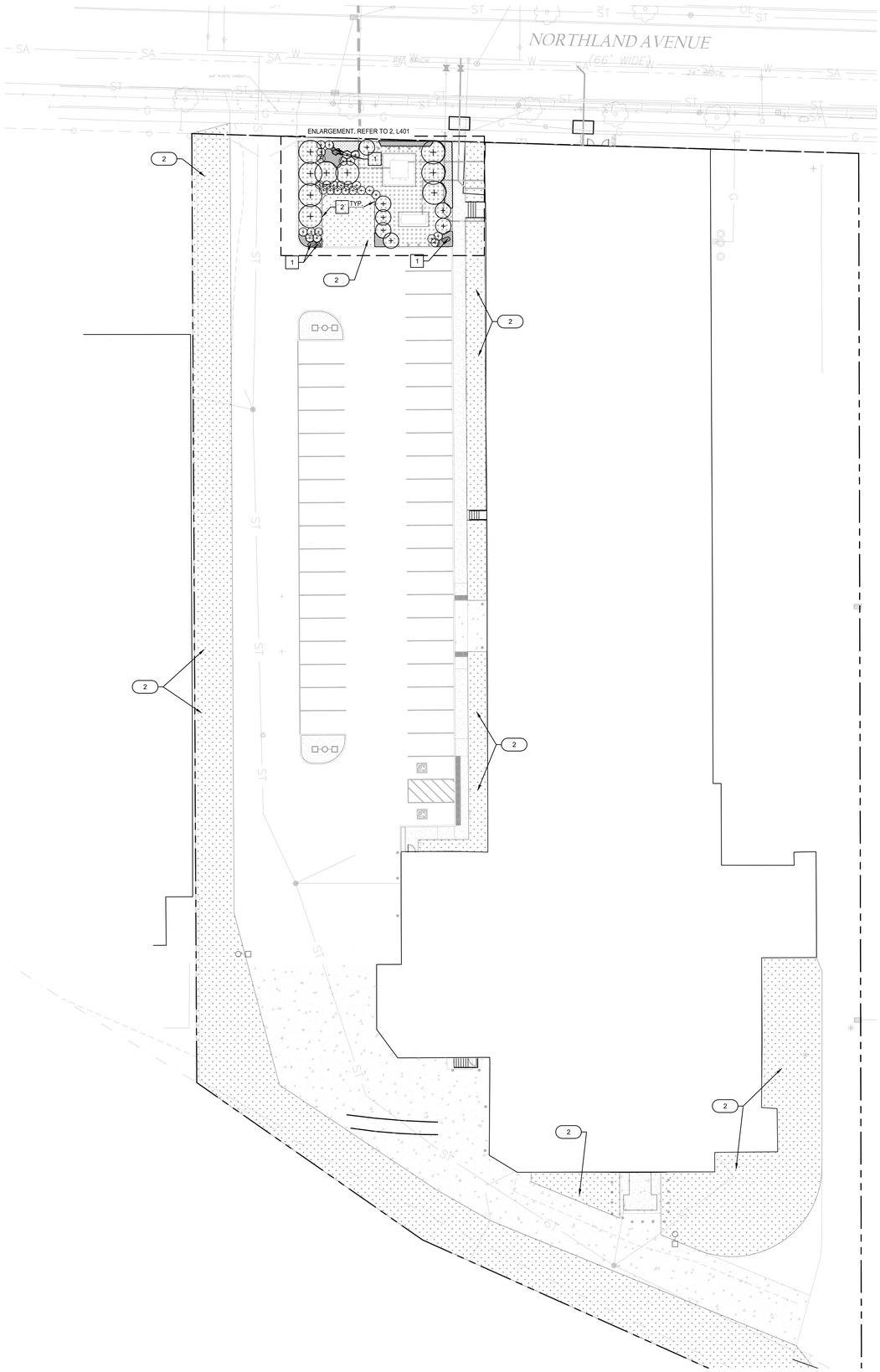
NO.	REVISIONS	DATE
1	ISSUED FOR PERMIT	10/1/25
0	ISSUED FOR BID	10/1/25

DWG. TITLE

WATERLINE DETAILS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	AS NOTED
DWN.	DGR CHK. TAR
PROJ. No.	432607
DWG. No.	**C505**



N

1 SITE PLANTING PLAN
SCALE: 1" = 20'-0"

PLANTING LEGEND

- SHRUB
- ORNAMENTAL GRASS
- PERENNIAL
- GROUNDCOVER SHRUB
- LAWN AREA
- MULCH

PLANT SCHEDULE:

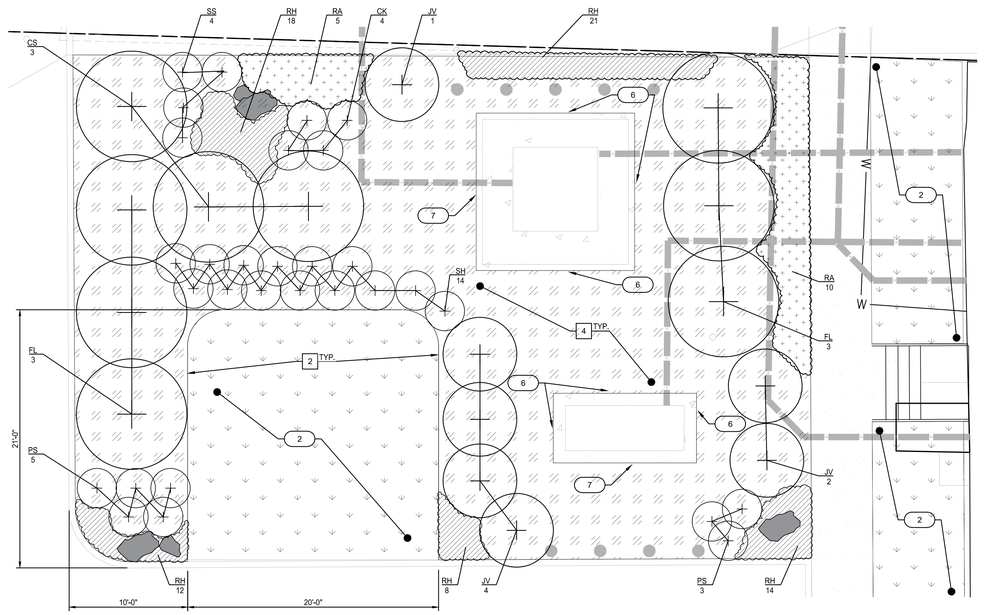
QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE & SPECIFICATIONS	COMMENT
SHRUBS					
6	FL	Forsythia x intermedia 'Lynwood Gold"	Lynwood Gold Forsythia	#3 CONT.	
7	JV	Juniperus virginiana 'Grey Owl'	Grey Owl Juniper	#5 CONT.	
3	CS	Cornus sericea 'Bailey'	Bailey Red Twigged Dogwood	#3 CONT.	
15	RA	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	#2 CONT.	Plant 36" O.C.
GRASSES / PERENNIALS					
14	SH	Sporobolis Heterolepis	Prairie Dropseed	#2 CONT.	
4	SS	Shizachyrium scoparium 'Minnbluea'	Blue Heaven Little Bluestem	#2 CONT.	
8	PS	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	#2 CONT.	
4	CK	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	#2 CONT.	
52	RH	Rudibeckia Hirta	Black eyed Susan	#1 CONT.	Plant 18" O.C.

SITE IMPROVEMENT NOTES

1. LANDSCAPE BOULDER TO BE INSTALLED; RE: 4, L501
2. SHOVEL CUT - LANDSCAPE EDGE; RE: 3, L501
3. PLACE A MINIMUM OF 4" OF TOPSOIL, FINE GRADE, SEED, FERTILIZE AND MULCH ALL DISTURBED AREAS WITHIN CONTRACT LIMIT LINE NOT NOTED TO BE PAVED OR LANDSCAPED.
4. PLACE A MINIMUM OF 2" MULCH THROUGHOUT PLANTING BED.

SITE PLANTING NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES ON THE PLAN PRIOR TO BIDDING.
2. GENERAL LAWN SEED (PER SPECIFICATIONS). PLACE MINIMUM 4" DEPTH TOPSOIL, FINE GRADE, SEED AND MULCH ALL DAMAGED AND/OR DISTURBED AREAS REMAINING AFTER CONSTRUCTION IS COMPLETED. TOPSOIL TO BE "FEATHERED" INTO ADJACENT LAWN AREAS TO CREATE A SMOOTH TRANSITION BETWEEN NEWLY SEEDED AREAS AND EXISTING LAWN.
3. CONTRACTOR SHALL INSPECT AND MAINTAIN ALL PLANTINGS INCLUDING GRASSES AND PERENNIALS FOR THE ENTIRETY OF THE GUARANTEE PERIOD; 18 MONTHS.
4. PLANT PIT BACKFILL FOR TREES AND SHRUBS SHALL BE PLANTING SOIL MIX. REFER TO SPECIFICATIONS FOR PLANTING SOIL MIX COMPOSITION.
5. ALL PLANT MATERIAL SHALL BE WELL-FORMED AND DEVELOPED IN GOOD CONDITION, HEALTHY AND DISEASE FREE, AND BE TYPICAL OF THE SPECIES. PLANTS SHALL COMPLY WITH ACCEPTABLE STANDARDS AS SET FORTH IN THE LATEST EDITION OF THE "AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. PROVIDE A MINIMUM 3-FOOT OFFSET FROM THE SHRUBS' PLANTED EDGE TO THE EDGE OF THE UTILITY BOX TO ALLOW ENOUGH CLEARANCE FOR UTILITY MAINTENANCE TO BE PERFORMED.
7. PROVIDE A MINIMUM 10-FOOT OFFSET FROM THE SHRUBS' PLANTED EDGE TO THE EDGE OF THE UTILITY BOX TO ALLOW ENOUGH CLEARANCE FOR UTILITY MAINTENANCE TO BE PERFORMED.
8. ALL PLANT LOCATIONS ARE APPROXIMATE. ADJUSTMENTS MAY BE NECESSARY TO AVOID CONFLICTS. INFORM LANDSCAPE ARCHITECT TO ADJUST PLANT LOCATIONS AS NECESSARY
9. ALL EARTHWORK SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL CONSULTANT'S RECOMMENDATIONS AS PART OF THE BROWNFIELD CLEANUP PROJECT. REFER TO PLANS BY OTHERS.



2 PLANTING ENLARGEMENT
SCALE: 1" = 5'-0"

Dig Safely. New York Call 811 before you dig

BUDC
Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

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BUFFALO, NY 14211

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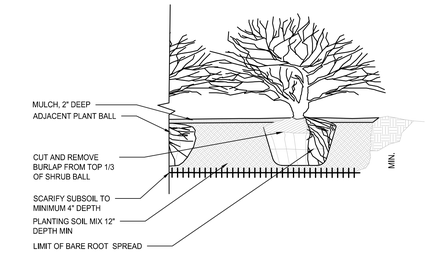
NO.	REVISIONS	DATE
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0	ISSUED FOR BID	10/1/25

DWG. TITLE

SITE PLANTING PLAN

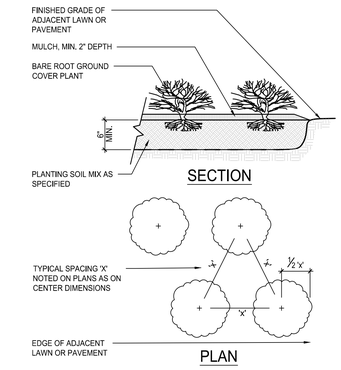
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DWG	
PROJ. No.	432607
DWG. No.	L401

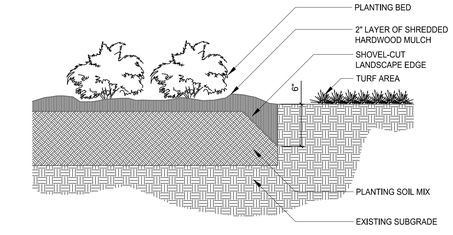


NOTES:
* SHRUB SHALL BEAR SAME RELATION TO FINISHED GRADE AS IT BORE TO PREVIOUSLY EXISTING GRADE.
* PRUNE ONLY DAMAGED BRANCHES MAINTAINING NORMAL SHRUB FORM

1 SHRUB PLANTING
NTS

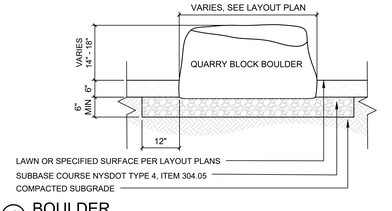


2 GROUNDCOVERING PLANTING
NTS



3 SHOVEL-CUT LANDSCAPE EDGE
NTS

NOTES:
* ALL ITEMS REQUIRED FOR BOULDER INSTALLATION INCLUDED IN ITEM. ITEM NO's. SHOWN ARE FOR MATERIAL SPECIFICATIONS ONLY.
* MATERIALS: ALL QUARRY BLOCK BOULDERS SHALL BE 100% LLENROC BLUESTONE FROM FINGERLAKES QUARRY (607-273-4546). SUBSTITUTE BOULDERS SHALL BE APPROVED BY ENGINEER.
* APPROXIMATE BOULDER DIMENSIONS:
  HEIGHT: 20" - 24"
  WIDTH: 20" - 30" (PER LAYOUT PLAN)
  DEPTH: 18" - 25"
* SET BOULDERS 6" MINIMUM BELOW FINISHED GRADE. SIDES OF BOULDERS TO BE NATURAL CLEFT SEAM FACE, TOP OF BOULDER TO BE NATURAL BED FACE.
* TAKE CARE WHILE TRANSPORTING AND PLACING BOULDERS TO AVOID CHIPPING AND CRACKING. BOULDERS WITH CRACKS WILL BE REJECTED AT THE SITE.



4 BOULDER
NTS

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LANDSCAPE DETAILS

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CHK.	DWG
PROJ. No.	432607
DWG. No.	**L501**

GENERAL NOTES:

1. STRUCTURAL WORK, INCLUDING MATERIAL STRESSES AND METHODS OF CONSTRUCTION, SHALL COMPLY WITH THE 2020 BCNYS, 2020 EBCNYS, NYS BUILDING STANDARDS AND CODES 2017 UNIFORM CODE SUPPLEMENT, ASCE 7–16, OSHA AND ALL OTHER GOVERNING AGENCIES HAVING JURISDICTION.

2. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL REFER TO EXISTING DRAWNGS FOR EXISTING BUILDING INFORMATION NOT GIVEN IN THESE DRAWINGS. EXISTING DRAWINGS SHALL BE PROVIDED UPON REQUEST.
   THE TEXT AND IMAGES WITHIN THE EXISTING DRAWINGS REFERENCED BELOW ARE NOT CLEAR

   2.1. DRAWINGS SHEETS 1 THROUGH 6 FOR NIAGRA MACHINE & TOOL WORKS. BY H.E. PLUMER & ASSOCIATES
   2.2. DRAWING SHEET "F1 – FOUNDATION PLAN" BY LACKAWANNA STEEL CONSTRUCTION CORP'S – BUFFALO FOR NIAGRA MACHINE & TOOL WORKS
   2.3. "1953 BLDG WELD SHOP – LACKAWANNA STEEL CONST – 27 SHEETS"

3. DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE, UNLESS SPECIFICALLY SHOWN OTHERWISE.

4. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS PRIOR TO ORDERING OR FABRICATING MATERIALS OR OTHERWISE PROCEEDING WITH THE WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES BEFORE ORDERING MATERIAL OR COMMENCING WORK.

5. CONTRACTOR SHALL USE CONSTRUCTION MEANS AND METHODS THAT STRICTLY ADHERE TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

6. REPRODUCTION OF ANY PORTION OF THE STRUCTURAL DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS IS PROHIBITED. SUCH SHOP DRAWINGS WILL BE REJECTED.

7. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN A PROFESSIONAL ENGINEER / GEOTECHNICAL ENGINEER FOR DETERMINING THE NEED, LOCATION, AND MAINTENANCE, OF ALL TEMPORARY SHORING AND BRACING. TEMPORARY SHORING AND BRACING SHALL REMAIN IN PLACE UNTIL PERMANENT LOAD PATHS HAVE BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SHOP DRAWINGS AND CALCULATIONS FOR SHORING AND BRACING OF THE BUILDING STRUCTURE. SUBMITTALS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER / GEOTECHNICAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW YORK PRIOR TO STARTING CONSTRUCTION. MINIMUM DESIGN LOADS ARE AS SHOWN ON THE DRAWINGS OR AS DETERMINED BY THE CONTRACTOR FOR APPLICABLE BUILDING CODES AND/OR MATERIAL'S DEAD LOADS THAT ARE BEING SUPPORTED. REFERENCE SPECIFICATION 024119 FOR AMPLIFICATION OF REQUIREMENTS.

8. CENTERLINE OF FOOTINGS, PIERS, COLUMNS, WALLS, ETC. SHALL COINCIDE, UNLESS NOTED OTHERWISE.

9. CONTRACTOR SHALL COORDINATE STRUCTURAL WORK WITH THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS, AND WITH THE WORK OF ALL OTHER TRADES.

10. CONTRACTOR SHALL BE RESPONSIBLE TO REFER TO APPROVED MECHANICAL SHOP DRAWINGS FOR SIZE, QUANTITY AND LOCATION OF MECHANICAL OPENINGS AND SUPPORTS REGARDLESS IF SHOWN OR NOT SHOWN IN STRUCTURAL DRAWINGS. ENGINEER SHALL BE NOTIFIED FOR RECOMMENDATIONS FOR ANY OPENING NOT IN COMPLIANCE WITH OPENINGS, SUPPORTS, AND SUPPORT LOADS AS SHOWN ON THE STRUCTURAL DRAWINGS, PRIOR TO STARTING CONSTRUCTION.

11. DEAD LOADS HAVE BEEN CALCULATED TO INCLUDE THE ACTUAL WEIGHT OF ALL WORK SHOWN ON THE STRUCTURAL DRAWINGS. NO EQUIPMENT SHALL BE PLACED ON OR HUNG FROM THE ROOF SYSTEM WITHOUT WRITTEN APPROVAL OF THE ENGINEER. ROOF MOUNTED UNITS SHALL BE PLACED ONLY AT DESIGNATED AREAS AS SHOWN ON THE ROOF FRAMING PLAN. IN THE EVENT THAT LOCATIONS ARE NOT SPECIFIED OR OTHER LOCATIONS ARE DESIRED, THE OWNER AND CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE ENGINEER PRIOR TO LOCATING OR RELOCATING THE UNITS.

12. REFER TO STRUCTURAL DESIGN CRITERIA TABLE FOR BUILDING DATA AND LOADING CRITERIA, ON SHEET S001.

13. IN THE EVENT THAT THERE ARE DISCREPANCIES BETWEEN THE PROJECT'S DESIGN DRAWINGS AND THE SPECIFICATIONS OR THOSE DOCUMENTS OF OTHER DISCIPLINES OR TRADES, THE MOST STRINGENT SHALL APPLY.

14. CONTRACTOR SHALL SUBMIT MATERIAL SHOP DRAWINGS AND APPROPRIATELY RESPOND TO REVIEWERS' COMMENTS FOR SHOP DRAWING APPROVAL PRIOR TO STARTING FABRICATION AND CONSTRUCTION.

15. HEAVY CONSTRUCTION EQUIPMENT THAT CREATES A SURCHARGE GREATER THAN 200 POUNDS PER SQUARE FOOT OR INDUCES VIBRATION INTO THE SUBGRADE SOILS SHALL NOT BE ALLOWED WITHIN 10 FEET OF THE EXTERIOR FOUNDATION WALLS WITH UNBALANCED BACKFILL. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING AS PER GENERAL NOTE 7 ABOVE WHEN THESE REQUIREMENTS CANNOT BE MET.

16. EQUIVALENCY OF ALTERNATE MATERIALS OR DESIGNS NOT PROVIDED IN THE ENGINEER'S DESIGN DOCUMENTS AND REQUESTED BY THE CONTRACTOR SHALL BE THE BURDEN OF THE CONTRACTOR. SUBMITTALS OF EQUIVALENCY SHALL INCLUDE DESIGN DOCUMENTS CERTIFIED BY A PROFESSIONAL ENGINEER OR GEOTECHNICAL ENGINEER REGISTERED IN THE STATE NEW YOUR AND ACCEPTED BY THE ENGINEER OF RECORD PRIOR TO STARTING OF CONSTRUCTION.

17. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL SUBGRADE UTILITIES PRIOR TO STARTING CONSTRUCTION.

18. PRIOR TO STARTING ALL CONSTRUCTION AND SHOP DRAWINGS PROCESSES, THE CONTRACTOR SHALL VERIFY THE EXISTING FINISH FLOOR ELEVATIONS PROVIDED ON THE STRUCTURAL DRAWINGS ARE COMPLIANT WITH THE "AS BUILT" EXISTING FINISH FLOOR ELEVATIONS OF THE EXISTING STRUCTURE. ALL FINISH FLOOR ELEVATION COMPLIANCE VERIFICATIONS SHALL BE SPECIFICALLY LOCATED AT THE POINT WHERE THE ADDED/MODIFIED ENTRANCE OF BETWEEN THE ADDED AND EXISTING STRUCTURE. ALL DISCREPANCY SHALL BE REPORTED TO THE ENGINEER FOR RECOMMENDATIONS PRIOR TO STARTING CONSTRUCTION AND SHOP DRAWINGS PROCESSES.

19. NO ADDED MECHANICAL EQUIPMENT SHALL BE HUNG OR SUPPORT FROM THE EXISTING STRUCTURAL ROOF SYSTEM OR EXISTING CONCRETE ROOF DECK UNLESS SPECIFICALLY DIRECTED BY THE STRUCTURAL ENGINEER OF RECORD.

20. MAXIMUM ALLOWABLE ROOF LIVE LOAD = 40 POUNDS PER SQUARE FOOT. THIS INCLUDES SNOW LOADS. UNINSTALLED CONSTRUCTION MATERIALS SHALL BE STAGED ON ROOF SURFACES SHALL BE DISPERSED SUCH THAT THEIR WEIGHTS DO NOT EXCEED 40 POUNDS PER SQUARE FOOT. UNINSTALLED CONSTRUCTION MATERIALS SHALL NOT BE STAGED ON ROOF SURFACES DURING A SNOW EVENT OR WHILE THERE IS SNOW AND/OR ICE ACCUMULATION ON ROOF SURFACES EXCEEDING 1 INCH IN THICKNESS.

GEOTECHNICAL NOTES:

1. CONTRACTOR SHALL REVIEW BE RESPONSIBLE FOR ADHERING TO THE REQUIREMENTS OF PROJECT GEOTECHNICAL REPORT "GEOTECHNICAL INVESTIGATION – PROPOSED 631 NORTHLAND REDEVELOPMENT – 631 NORTHLAND AVENUE, BUFFALO, NEW YORK" BY RAVI ENGINEERING & LAND SURVEYING, P.C. DATED JUNE 14, 2024.

2. SITE PREPARATION FOR PROPOSED FOUNDATIONS SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT REFERENCED ABOVE.

3. DESIGN BEARING PRESSURE OF FOUNDATIONS BEARING DIRECTLY ONTO BEDROCK SHALL NOT EXCEED 50,000 POUNDS PER SQUARE FOOT. REFERENCE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

4. DESIGN BEARING PRESSURE OF FOUNDATIONS BEARING ONTO SOIL OR COMPACTED FILL SHALL NOT EXCEED 3,000 POUNDS PER SQUARE FOOT. REFERENCE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

5. ALL INSITU SOILS CONTAINING ORGANIC MATERIALS OR OTHER UNSUITABLE MATERIALS SUCH THAT ARE FIELD DETERMINED BY THE "SPECIAL INSPECTIONS" GEOTECHNICAL ENGINEER NOT TO MEET THE MINIMUM ALLOWABLE SOIL BEARING CAPACITIES SHALL BE OVER–EXCAVATED TO DEPTH WHERE THE MINIMUM CAPACITIES CAN BE OBTAINED, THEN BACKFILLED WITH COMPACTED GRANULAR MATERIAL SUCH THAT THE MINIMUM SOIL BEARING CAPACITY IS MET OR EXCEEDED.

EXCAVATION & BACKFILL:

1. REFER TO GEOTECHNICAL REPORT FOR EXCAVATION REQUIREMENTS, COMPACTION PROCEDURES AND FOR PREPARATION OF SUB GRADE FOR FOUNDATIONS AND SLAB ON GRADE.

2. BACKFILL MATERIAL AND PLACEMENT PROCEDURES SHALL BE AS APPROVED BY THE "SPECIAL INSPECTIONS" GEOTECHNICAL ENGINEER PRIOR TO PLACING FOUNDATIONS.

3. BACKFILL WITHIN BUILDING FOOTPRINT SHALL BE COMPACTED STRUCTURAL FILL MATERIAL CONFORMING TO NYSDOT AND AS PER GEOTECH REPORT.

4. BACKFILLING OF CONCRETE AND MASONRY FOUNDATION WALLS SHALL BE AS FOLLOWS:
   a. FOR WALLS WITH BACKFILL ON BOTH SIDES: BACKFILL BOTH SIDES OF FOUNDATION WALLS SIMULTANEOUSLY.
   b. WALLS WITH FILL ON ONE SIDE ONLY: BACKFILL SHALL NOT TAKE PLACE UNTIL PERMANENT LOAD PATHS HAVE BEEN ESTABLISHED AT TOP AND BOTTOM OF WALL. TEMPORARY SHORING AND BRACING SHALL BE PROVIDED UNTIL PERMANENT LOAD PATHS HAVE BEEN ESTABLISHED.
   c. FOR CANTILEVER RETAINING WALLS WITH FILL ON ONE SIDE ONLY: BACKFILL SHALL NOT BE PLACED UNTIL THE DESIGN 28–DAY COMPRESSIVE STRENGTH HAS BEEN MET.

5. SUBBASE STONE COURSE PLACED AS THE AGGREGATE COURSE BENEATH SLAB ON GRADE SHALL CONFORM TO NYSDOT ITEM 304–2.03 – TYPE 4 OR 2 SUBBASE.

6. ALL FOUNDATIONS SUSCEPTIBLE TO FROST SHALL BEAR A MINIMUM OF 4'–0" BELOW FINISH GRADE. PROVIDE TEMPORARY HEAT OR BACKFILL WHERE PERMANENT FOUNDATIONS ARE NOT PERMANENTLY BACKFILLED FOR FROST PROTECTION.

7. UTILITY LINES AND PLUMBING SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS UNLESS SPECIFICALLY DETAILED.

CONCRETE & FOUNDATIONS NOTES:

1. CONCRETE WORK, DESIGN, CONSTRUCTION AND REINFORCING DETAILS SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318–14).

2. ALL CONCRETE SHALL HAVE A MINIMUM 28–DAY COMPRESSIVE STRENGTH OF 4,000 P.S.I., UNLESS NOTED OTHERWISE. ALL SLABS, WALLS, PLATFORMS, AND STAIRS, SHALL BE 4,000 P.S.I. CONCRETE.

3. REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH "ACI DETAILING MANUAL" OF LATEST EDITION.

4. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60. WELDABLE REINFORCING STEEL SHALL CONFORM TO ASTM A706. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

5. LAP SPICES AND EMBEDMENT LENGTHS SHALL CONFORM TO ACI 318–LATEST EDITION, OR AS SCHEDULED.

6. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING WHERE WALLS OR BEAMS MEET AT CORNERS OR INTERSECT. REFERENCE DETAILS ON DRAWING S200.

7. PROVIDE CHASE AT FOUNDATION WALLS WHERE REQUIRED TO ACCOMMODATE DUCTS.

8. CLEAR COVER CONCRETE PROTECTION FOR REINFORCING STEEL SHALL BE:

   3" – CONCRETE CAST AGAINST EARTH

   2" – FORMED SURFACES IN CONTACT WITH SOIL OR EXPOSED TO WEATHER.

   1" – FORMED SURFACES NOT IN CONTACT WITH SOIL OR EXPOSED TO WEATHER

   1½" – TOP STEEL SLAB ON GRADE.

   ¾"– SUPPORTED FLOOR SLABS.

9. FOOTINGS AND PIERS SHALL BE CENTERED UNDER SUPPORTED MEMBERS, UNLESS NOTED OTHERWISE.

10. STEPS IN ALL FOOTINGS NOT TO EXCEED 1'–0" VERTICAL FOR EACH 2'–0" HORIZONTAL, UNLESS NOTED OTHERWISE.

11. PIPES AND CONDUITS RUNNING HORIZONTAL IN SLABS AND FOUNDATIONS SHALL NOT BE ALLOWED.

12. ADD (2)#4 4'–0" LONG IN SLABS, LOCATED IN THE TOP 2 INCHES OF THE SLAB AT ALL RE–ENTRANT CORNERS AS PER DETAILS ON DRAWING 20/S200.

13. AIR ENTRAINMENT:
    6% +/– 1% (EXTERIOR EXPOSED CONCRETE SUBJECT TO FREEZE–THAW)
    3% +/– 1% (ALL OTHER CONCRETE)
    3% MAXIMUM (FOR TROWEL FINISHED SLABS)

13. CURING AND PROTECTION:
    PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES (IN COMPLIANCE WITH ACI 306.1 AND ACI 305.1 RESPECTIVELY), AND MAINTAIN WITHOUT DRYING AT A RELATIVELY CONSTANT TEMPERATURE FOR A PERIOD OF TIME NECESSARY FOR HYDRATION OF CEMENT AND FOR PROPER HARDENING OF CONCRETE.

    CURING FOR CONCRETE FLOOR SURFACE SHALL BE BY MOIST CURING FOR 7 DAYS MINIMUM.

    AFTER REMOVAL OF FORMS PRIOR TO 7 DAYS OF CURE TIME, COAT NEWLY EXPOSED SURFACES WITH CURING COMPOUND. CURING COMPOUND SHALL BE "SUPER DIAMOND CLEAR 350" AS MANUFACTURED BY EUCLID CHEMICAL COMPANY, CLEVELAND, OH 44110, OR EQUIVALENT. CURING COMPOUND SHALL CONFORM TO ASTM C309, WITH 25 PERCENT SOLIDS MINIMUM, AND HAVE TEST DATA FROM AN INDEPENDENT TESTING LABORATORY INDICATING A MAXIMUM MOISTURE LOSS OF 0.030 GRAMS PER SQ. CM. AT 72 HOURS AT A COVERAGE RATE AS RECOMMENDED BY MANUFACTURER, BUT NOT AT A RATE IN EXCESS OF 300 SQ. FT. PER GALLON. THE CURING COMPOUND SHALL BE APPLIED AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO MAINTAIN A WORKMAN'S WEIGHT. CURING COMPOUND SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

14. EPOXY ADHESIVE FOR DRILL & GROUT ANCHORS INTO CONCRETE SHALL BE HILTI HIT–HY 200 ADHESIVE, OR EQUIVALENT. ANCHORS SHALL BE INSTALLED AS PER MANUFACTURER'S WRITTEN RECOMMENDATIONS AND SPECIFICATIONS.

15. "NOT USED"

16. SUBMIT CONCRETE MIX DESIGNS AND SHOP DRAWINGS FOR REINFORCING STEEL TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO STARTING CONSTRUCTION.

17. ALL ANCHORS AND DOWELS SHALL BE PROPERLY LOCATED PRIOR TO PLACING CONCRETE. WET SET REBAR AND ANCHORS SHALL NOT BE ALLOWED.

18. ALL EXPOSED CORNERS SHALL HAVE A ¾" CHAMFER. TOOLED EDGES SHALL NOT BE ACCEPTED AS BEING EQUIVALENT.1

19. ALL REBAR SHALL BE COLD BENT.

20. ALL SAWCUT JOINTS SHALL BE MADE WITHIN 12 HOURS AFTER THE CONCRETE PLACEMENT.

MASONRY NOTES:

1. CONCRETE MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF ACI 530.1/TMS 620/ASCE 6.

2. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C–90. PROVIDE MASONRY UNITS WITH MINIMUM NET AREA COMPRESSIVE STRENGTH OF 3,750 PSI. FUNCTION OF MASONRY UNITS WITH MORTAR AND GROUT SHALL HAVE A NET–AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY (f'm) EQUAL TO OR GREATER THAN 2,500 PSI. AT 28 DAYS.

3. MORTAR SHALL BE TYPE 'M' OR 'S' AND SHALL CONFORM TO ASTM C270.

4. PROVIDE 9 GA. LADDER TYPE HORIZONTAL REINFORCING AT 16" O.C. FOR ALL CMU WALLS UNLESS NOTED OTHERWISE. HORIZONTAL REINFORCING SHALL BE GALVANIZED AT EXTERIOR WALLS. PROVIDE SPECIAL HORIZONTAL WALL REINFORCING PIECES FOR CORNERS AND WALL INTERSECTIONS AND LAP AS REQUIRED.

5. BACKFILLING AGAINST MASONRY WALLS SHALL NOT BE PERMITTED UNTIL SUFFICIENT LATERAL SUPPORT IS PROVIDED. SEE EXCAVATION AND BACKFILL NOTE 4.

6. CONCRETE MASONRY WALLS SHALL HAVE CONTROL JOINTS SPACED NO FARTHER THAN 25'–0" APART IN CONTINUOUS WALLS.

7. GROUT FOR FILLING BLOCK CORES SHALL CONFORM TO ASTM C476 WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI AND 11" MAXIMUM SLUMP. GROUT SHALL BE PLACED IN LIFTS NOT EXCEEDING 48" IN HEIGHT UNLESS OTHERWISE APPROVED BY THE ENGINEER.

8. FULL HEAD AND BED JOINTS SHALL BE PROVIDED.

9. LAP SPLICES IN VERTICAL REINFORCING FOR CONCRETE BLOCK MASONRY WALLS AND PILASTERS SHALL BE A MINIMUM OF 40 BAR DIAMETERS OR 12" WHICHEVER IS GREATER UNLESS DETAILED OTHERWISE ON THE DRAWINGS.

10. SUBMIT CMU PRODUCT DATA, GROUT AND MORTAR MIX DESIGNS AND SHOP DRAWINGS FOR REINFORCING STEEL TO THE ARCHITECT FOR REVIEW BEFORE STARTING CONSTRUCTION.

11. PROVIDE #5 @ 24" O.C. REINFORCEMENT IN ALL CMU WALLS UNLESS NOTED OTHERWISE WITH MATCHING DOWELS FROM FOUNDATION/SUPPORT. ALL CELLS WITH REINFORCEMENT SHALL BE GROUTED SOLID.

12. ALL CMU BELOW GRADE WITH BACKFILL ON EITHER SIDE OR BOTH FACES SHALL HAVE ALL CELLS, WITH AND WITHOUT REINFORCING, GROUTED SOLID.

13. ALL BOND BEAM LINTELS AND STEEL LINTELS SHALL HAVE 8 INCH MINIMUM END BEARING.

14. EPOXY ADHESIVE FOR DRILL & GROUT ANCHORS INTO MASONRY AND CLAY BRICK SHALL BE HILTI HIT–HY 270 ADHESIVE WITH SCREEN TUBES IN HOLLOW CELLS, OR EQUIVALENT. ANCHORS SHALL BE INSTALLED AS PER MANUFACTURER'S WRITTEN RECOMMENDATIONS AND SPECIFICATIONS.

STEEL DECK:

1. MANUFACTURE AND INSTALLATION OF STEEL DECK SHALL CONFORM TO THE STEEL DECK INSTITUTE'S (SDI) "CODE OF STANDARD PRACTICE".

2. UNLESS OTHERWISE NOTED, DECK GAUGES HAVE BEEN SELECTED TO SUSTAIN THE WEIGHT OF WET CONCRETE WITHOUT SHORING. CONTRACTOR SHALL DETERMINE THE NEED AND PROVIDE SHORING FOR METAL DECK FOR CONCRETE PLACEMENT WHERE DECK SPANS AND CONSTRUCTION LOADS EXCEED THE VALUES RECOMMENDED BY THE MANUFACTURER.

3. ALL STEEL ROOF AND FLOOR DECK SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.

4. ALL STEEL ROOF AND FLOOR DECK SHALL BE PROVIDED TO MEET FIRE PROOFING REQUIREMENTS AS REQUIRED BY THE ARCHITECTURAL DRAWINGS.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" (AISC 360–16), AS WELL AS REFERENCES AND STANDARDS OF THE "AISC STEEL CONSTRUCTION MANUAL – 15TH EDITION".

2. SHOP CONNECTIONS SHALL BE WELDED AND FIELD CONNECTIONS ARE TO BE BOLTED WITH 3/4" DIA. BOLTS, UNLESS NOTED OTHERWISE.

3. UNLESS OTHERWISE DETAILED DOUBLE ANGLE CLIP CONNECTIONS ARE TO BE USED WHEREVER POSSIBLE.

4. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH ANSI/AWS "D1.1 STRUCTURAL WELDING CODE–STEEL"

5. ANCHOR WELDING SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF AWS C5.4, RECOMMENDED PRACTICE FOR STUD WELDING, AND SHALL BE SHOP WELDS. DEFORMED BAR ANCHORS SHALL BE LOW CARBON STEEL (ASTM A706) AND WELDED TO STEEL ANGLE LINTELS OR W–SECTIONS USING AUTOMATICALLY TIMED STUD WELDING EQUIPMENT CONNECTED TO A SUITABLE SOURCE OF DIRECT CURRENT ELECTRODE NEGATIVE POWER. WELDING VOLTAGE, CURRENT, TIME AND GUN SETTINGS FOR LIFT AND PLUNGE SHALL BE SET AT OPTIMUM SETTINGS, BASED ON PAST PRACTICE, RECOMMENDATIONS OF THE ANCHOR AND EQUIPMENT MANUFACTURER, OR BOTH. WELDING SHALL NOT BE DONE WHEN THE BASE METAL IS BELOW AMBIENT ATMOSPHERIC TEMPERATURE OR WHEN THE SURFACE IS WET OR EXPOSED TO FALLING RAIN OR SNOW.

6. ALL STRUCTURAL STEEL EXPOSED TO EXTERIOR AND COVERED BY NON–INSULATED EXTERIOR WALLS SHALL BE HOT DIPPED GALVANIZED.

7. PROVIDE 1/4" THICK CAP PLATE CONTINUOUSLY WELDED AT TOP OF ALL HSS COLUMNS AND ENDS OF HSS BEAMS, UNLESS NOTED OTHERWISE.

8. SEE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, SITE AND OTHER DISCIPLINES DRAWINGS FOR DIMENSIONS AND DETAILS REQUIRED FOR STRUCTURAL WORK NOT SHOWN ON THE STRUCTURAL DRAWINGS.

9. PROVIDE SHOP PRIMER: 2.0 MILS DRY FILM THICKNESS, RUST INHIBITING PRIMER, UNLESS NOTED OTHERWISE.

10. BEAM SHEAR CONNECTIONS SHALL BE DESIGNED FOR ONE HALF OF THE MAXIMUM TOTAL UNIFORM LOAD SHOWN IN THE AISC STEEL CONSTRUCTION MANUAL TABLES FOR THE RESPECTIVE SPAN, UNLESS NOTED OTHERWISE ON THE DRAWINGS. MINIMUM CONNECTION SHALL BE TWO BOLTS AND CLIP LENGTH SHALL BE 1/2 BEAM "T" DIMENSION. MAXIMUM BOLT SPACING SHALL BE 3".

11. CONTRACTOR TO BE RESPONSIBLE FOR ALL CONNECTION DESIGNS AND SUBMIT CERTIFIED SHOP DRAWINGS, CONNECTION DETAILS, AND CONNECTION CALCULATIONS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. CERTIFICATION SHALL BE PROVIDED BY PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK.

12. ALL GUSSET, KNIFE, THROUGH, BENT SLAB EDGE, AND STIFFENER PLATES SHALL BE 3/8" MINIMUM THICKNESS.

13. ALL CONNECTORS SHALL DEVELOP THE MAXIMUM CAPACITY OF THE LEAST OR LESSER STRONG COMPONENT OF STRUCTURAL STEEL MEMBERS BEING CONNECTED.

14. FABRICATOR SHALL HAVE AISC CERTIFICATION FOR TYPE AND COMPLEXITY OF BUILDING INDICATED, OR EQUIVALENT. REFERENCE BCNYS SECTION 1704.2.5.

15. ALL EXISTING INTERIOR STRUCTURAL STEEL MEMBERS THAT ARE INDICATED ON THE DRAWINGS TO BE CLEANED OF DEBRIS AND/OR SURFACE CORROSION AND/OR EXISTING COATINGS SHALL BE PREPPED TO MEET THE REQUIREMENT OF SSP2 – POWER TOOL CLEANED, MINIMUM AND AS REQUIRED BY THE APPROVED COATING MANUFACTURERS WRITTEN SPECIFICATIONS AND RECOMMENDATIONS. ALL PREPPED STEEL SHALL BE RE–COATED WITH MIN 2 MILS RUST INHIBITING PRIMER U.N.O. COORDINATE COATING WITH ARCHITECT. CONTRACTOR SHALL FIELD EVALUATE THE CONDITION OF ALL EXISTING STRUCTURAL STEEL MEMBERS UPON COMPLETION OF THE REMOVAL OF THE EXISTING STEEL COATINGS. CONTRACTOR SHALL NOTIFY ENGINEER–OF–RECORD IN WRITING OF ANY AND ALL EXISTING STRUCTURAL STEEL MEMBERS FOUND TO HAVE SIGNIFICANT SECTION LOSS.

16. COORDINATE WITH ARCHITECT AND HAZMAT FOR ADDITIONAL EXISTING STRUCTURAL STEEL COATING REMOVAL REQUIREMENTS. WHERE REMOVAL OF EXISTING COATING SYSTEMS ARE REQUIRED PER THE HAZMAT OR ARCHITECTURAL DOCUMENTS, THE EXISTING STRUCTURAL STEEL SHALL BE CLEANED OF ALL DEBRIS AND SURFACE CORROSION AND BE RE–COATED WITH A RUST INHIBITING COATING.

17. AT EACH LOCATION WHERE EXISTING STRUCTURAL STEEL IS MODIFIED IN ANY WAY, THE EXISTING COATINGS SHALL BE REMOVED IN ACCORDANCE WITH THE ARCHITECTURAL AND HAZMAT REQUIREMENTS AND THE BARE STEEL SHALL BE RECOATED WITH A RUST INHIBITING COATING AFTER THE REQUIRED MODIFICATIONS ARE COMPLETE. EXAMPLES OF MODIFICATIONS TO THE EXISTING STRUCTURAL STEEL MEMBERS INCLUDE BUT ARE NOT LIMITED TO; DRILLING OR WELDING FOR CONNECTING NEW STEEL TO EXISTING STEEL, CUTTING EXISTING STEEL, OR ADDING STRUCTURAL REINFORCEMENTS TO EXISTING STEEL MEMBERS. REFERENCE ARCHITECTURAL AND HAZMAT DOCUMENTS FOR ADDITIONAL EXISTING COATING REMOVAL INFORMATION.

EXISTING MASONRY REPAIR NOTES:

1. REFERENCE S300 SERIES SHEETS FOR REQUIRED MASONRY WALL REPAIR LOCATIONS AND S500 FOR ADDITIONAL REPAIR INFORMATION. ALSO REFER TO ARCHITECTURAL DOCUMENTS FOR REPAIR INFORMATION.

2. REFERENCE S300 SERIES SHEETS FOR REQUIRED SPALLED AND CRACKED CONCRETE WALL REPAIR LOCATIONS AND S500 FOR ADDITIONAL REPAIR INFORMATION. ALSO REFER TO ARCHITECTURAL DOCUMENTS.

BUDC
Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

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BUFFALO, NY 14211

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NO.	REVISIONS	DATE
01	ISSUED FOR PERMIT	10/1/25
00	ISSUED FOR BID	10/1/25

DWG. TITLE

GENERAL NOTES

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
DWN. DSW CHK. TFW
PROJ. No. 432607
DWG. No.

S000

STRUCTURAL DESIGN CRITERIA

DESIGN LOADS HAVE BEEN DETERMINED IN ACCORDANCE WITH THE 2020 BCNYS, NEW YORK STATE BUILDING STANDARDS AND CODES, 2017 UNIFORM CODE SUPPLEMENT (NYS) AND ASCE 7-16

TYPE	CODE REFERENCE	DESCRIPTION	DESIGN CRITERIA MARK	VALUE	UNITS
BUILDING DATA		LOCATION		BUFFALO, NEW YORK	
	BCNYS TABLE 1604.5	BUILDING RISK CATEGORY		II	
	BCNYS SECTION CHAPTER 3	BUILDING USE GROUP		F1	
FLOOR LIVE LOAD	BCNYS TABLE 1607.1	STAIRS & EXIT WAYS	LL	100	psf
	BCNYS TABLE 1607.1	RECREATIONAL USES	LL	100	psf
	BCNYS TABLE 1607.1	OFFICES	LL	50	psf
	BCNYS TABLE 1607.1	CATWALKS FOR MAINTENANCE ACCESS	LL	40	psf
	BCNYS TABLE 1607.1	MECHANICAL	LL	150 MIN / ACTUAL UNIT LOADS	psf
	BCNYS TABLE 1607.1	ASSEMBLY AREAS / LOBBIES	LL	100	psf
	BCNYS TABLE 1607.1	STORAGE	LL	125	psf
	BCNYS TABLE 1607.1	MEZZANINES	LL	100	psf
	BCNYS TABLE 1607.1	CORRIDORS	LL	100	psf
ROOF LIVE LOAD	BCNYS TABLE 1607.1	ROOF CONSTRUCTION LOAD	LL	20	psf
SNOW LOAD	NYS FIGURE 1608.2	GROUND SNOW LOAD	P_g	50.0	psf
	ASCE 7-16 TABLE 7.3-1	SNOW EXPOSURE FACTOR	C_e	1.0	
	ASCE 7-16 TABLE 1.5-2	SNOW LOAD IMPORTANCE FACTOR	I_s	1.0	
	ASCE 7-16 TABLE 7-3-2	THERMAL FACTOR	C_t	1.2	
	ASCE 7-16 SECTION 7.3	FLAT ROOF SNOW	P_f	42.0	psf
	ASCE 7-16 SECTION 7.7	DRIFT SURCHARGE LOADS & WIDTHS		AS REQUIRED PER ASCE 7-16	
WIND LOAD (MAIN WIND FORCE RESISTING SYSTEM)	ASCE 7-16 SECTION 26.1.2.1	ANALYSIS PROCEDURE		SECTION 27 - DIRECTIONAL PROCEDURE	
	ASCE 7-16 FIGURE 26.5-C	BASIC WIND SPEED	V_{3s}	116	mph
	ASCE 7-16 SECTION 26.7	EXPOSURE CATEGORY		C	
	ASCE 7-16 SECTION 26.13	INTERNAL PRESSURE COEFFICIENT	GC_{pi}	+0.18 / -0.18	
	ASCE 7-16 SECTION 27.4	MAXIMUM DESIGN WIND PRESSURE	P	33.4	psf
WIND LOAD (COMPONENTS & CLADDING) (EXISTING ROOF)	ASCE 7-16 CHAPTER 30	DESIGN WIND PRESSURE FOR WALLS ZONE 4 & 5 (POSITIVE)	Pw+	36.03/36.03	psf
	ASCE 7-16 CHAPTER 30	DESIGN WIND PRESSURE FOR WALLS ZONE 4 & 5 (NEGATIVE)	Pw-	-36.03/-46.03	psf
	ASCE 7-16 CHAPTER 30	DESIGN WIND PRESSURE FOR ROOF POSITIVE ZONE 2,3	Pr+	16/16	psf
REFER TO S-001	ASCE 7-16 CHAPTER 30	DESIGN WIND PRESSURE FOR ROOF NEGATIVE ZONE 2,3	Pr-	-36.03/-112.75	psf
EARTHQUAKE LOAD	ASCE 7-16 TABLE 1.5-2	SEISMIC IMPORTANCE FACTOR	I_e	1.0	
	ASCE 7-16 SECTION 11.4.2	MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER (SHORT PERIODS)	S_s	0.164	
	ASCE 7-16 SECTION 11.4.2	MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER (1s PERIODS)	S_1	0.044	
	PER GEOTECH REPORT	SITE CLASSIFICATION		B	
	ASCE 7-16 SECTION 11.4.4	DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER (SHORT PERIODS)	S_{DS}	0.098	
	ASCE 7-16 SECTION 11.4.4	DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER (1s PERIODS)	S_{D1}	0.024	
	ASCE 7-16 SECTION 11.6	SEISMIC DESIGN CATEGORY		A	
	ASCE 7-16 TABLE 12.2-1	BASIC SEISMIC FORCE-RESISTING SYSTEM		STEEL ORDINARY CONCENTRICALLY BRACED FRAMES / STEEL ORDINARY MOMENT FRAMES	
	ASCE 7-16 SECTION 12.8.1.1	SEISMIC RESPONSE COEFFICIENT	Cs	0.03/0.028	
	ASCE 7-16 TABLE 12.2-1	RESPONSE MODIFICATION FACTOR	R	3.25 / 3.50	
	ASCE 7-16 SECTION 12.8	ANALYSIS PROCEDURE		EQUIV. LATERAL FORCE	
GEOTECHNICAL DATA	AS PER GEOTECH REPORT	SHALLOW FDN SOIL LOAD-BEARING CAPACITY		3,000	psf
	AS PER GEOTECH REPORT	FDN BEDROCK LOAD-BEARING CAPACITY		50,000	psf

TENSION LAP SPLICES FOR REINFORCEMENT

(CLASS B) (INCHES)

BAR SIZE	f'c=3000psi				f'c=4000psi			
	SPACING<6IN.		SPACING>6IN.		SPACING<6IN.		SPACING>6IN.	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	16	16	16	16	14	14	14	14
#4	22	16	17	16	19	14	15	14
#5	27	20	22	16	23	17	19	14
#6	35	25	28	20	30	22	24	17
#7	48	34	38	27	42	29	33	23
#8	63	45	50	36	55	39	43	31
#9	80	57	64	46	69	49	55	40
#10	101	72	81	58	87	62	70	50
#11	124	89	99	71	107	77	86	61

REQUIRED SPECIAL INSPECTIONS AND TESTS

SPECIAL INSPECTIONS SHALL BE REQUIRED FOR THIS PROJECT. OWNER WILL ENGAGE THE SERVICES OF A QUALIFIED SPECIAL INSPECTOR. THE SPECIAL INSPECTOR WILL PROVIDE AND/OR COORDINATE INSPECTION AND TESTING REQUIREMENTS IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE AND THE STATEMENT OF SPECIAL INSPECTIONS. PAYMENT FOR THESE SERVICES WILL BE MADE BY THE OWNER.

STEEL CONSTRUCTION:

SPECIAL INSPECTIONS AND NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN BUILDINGS, STRUCTURES AND POTIONS THEREOF SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360.

1. OBSERVATION OF WELDING OPERATIONS AND VISUAL INSPECTION OF IN-PROCESS AND COMPLETED WELDS SHALL BE THE PRIMARY METHOD TO CONFIRM THAT THE MATERIALS, PROCEDURES AND WORKMANSHIP ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. FOR STRUCTURAL STEEL, ALL PROVISIONS OF AWS D1.1 STRUCTURAL WELDING CODE – STEEL FOR STATICALLY LOADED STRUCTURES SHALL APPLY. AT A MINIMUM, WELDING INSPECTION TASKS SHALL BE IN ACCORDANCE WITH TABLES N5.4-1, N5.4-2 AND N5.4-2 OF AISC 360. ALL NON-DESTRUCTIVE TESTING (NDT) METHODS SHALL BE PROVIDED AS DIRECTED BY THE CERTIFIED WELDING INSPECTORS (CW) AS DIRECTED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. THE CONTRACTOR SHALL GIVE THE OWNER A CREDIT FOR ALL COSTS FOR PROVIDING ALL WELD NDT PROCEDURES AND ADDED INSPECTOR COSTS REQUIRED TO COMPLETE ADDITIONAL TESTING OF WELDS.
2. OBSERVATIONS OF BOLTING PROCEDURES SHALL BE THE PRIMARY METHOD USED TO CONFIRM THAT THE MATERIALS, PROCEDURES AND WORKMANSHIP INCORPORATED IN CONSTRUCTION ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND THE PROVISIONS OF RCSC SPECIFICATIONS.
   a. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICATION TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING OF THE INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5.6-2 OF AISC 360 ARE NOT APPLICABLE. QUALITY CONTROL/ASSURANCE INSPECTOR NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS IN SNUG-TIGHT JOINTS.
3. ALL SPLINE TYPE BOLTS SHALL BE INSTALLED SUCH THAT THE CONNECTORS FAYING SURFACES ARE IN FULL CONTACT AND THE BOLT'S SPLINES HAVE BEEN TWISTED OFF.

COLD-FORMED STEEL DECK:

SPECIAL INSPECTIONS AND QUALIFICATIONS OF WELDING SPECIAL INSPECTORS FOR COLD-FORMED STEEL FLOOR AND ROOF DECK SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF SDI QA/QC AND DESIGN DRAWINGS.

CONCRETE CONSTRUCTION:

SPECIAL INSPECTIONS AND TEST OF CONCRETE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH 2015 IBC SECTION 1705.3 AND TABLE 1705.3. REFERENCE THE STANDARDS OF ACI 318-14 OF ADDITIONAL INFORMATION. REFERENCE 2015 IBC SECTION 1705.3 FOR EXCEPTIONS WHERE SPECIAL INSPECTIONS AND TEST ARE NOT REQUIRED.

1. REQUIRED SPECIAL INSPECTIONS AND TEST OF CONCRETE CONSTRUCTION.
   a. PERIODIC INSPECTION OF REINFORCEMENT AND VERIFY PLACEMENT.
   b. PERIODIC INSPECTION OF REINFORCING BAR WELDING, VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706 AND INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16". CONTINUOUS INSPECTION OF ALL OTHER WELDS.
   c. PERIODIC INSPECTION OF ANCHORS CAST IN CONCRETE.
   d. CONTINUOUS INSPECTION OF ADHESIVE ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS HORIZONTALLY AND UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. PERIODIC INSPECTION OF ALL OTHER MECHANICAL ANCHORS AND ADHESIVE ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.
   e. PERIODICALLY VERIFY USE OF REQUIRED DESIGN MIX.
   f. PRIOR TO CONCRETE PLACEMENT, CONTINUOUSLY FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.
   g. CONTINUOUS INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.
   h. PERIODIC VERIFICATION OF MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES.
   i. PERIOD INSPECTION OF FORM WORK FOR SHAPE, LOCATION AND DIMENSIONS OF CONCRETE MEMBER BEING FORMED.
   j. ALL CONCRETE TEST CYLINDERS SHALL BE FIELD CURED SUCH THAT THE ACTUAL CONDITIONS AND TEMPERATURES OF THE PLACED CONCRETE IS REPLICATED. ANY/ALL LABORATORY CURED CYLINDERS SHALL BE THE BURDEN OF AND AS DIRECTED BY THE CONTRACTOR.

MASONRY CONSTRUCTION:

SPECIAL INSPECTIONS AND TESTS OF MASONRY CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE QUALITY ASSURANCE PROGRAM REQUIREMENTS FOR QUALITY ASSURANCE LEVEL B OF TMS 402/ACI350/ASCE 5 AND TMC602/ACI530.1/ASCE 6. REFERENCE 2020 BCNYS SECTION 1705.4 FOR EXCEPTIONS WHERE SPECIAL INSPECTIONS AND TESTS ARE NOT REQUIRED.

SOILS:

SPECIAL INSPECTIONS AND TESTS OF EXISTING SITE SOIL CONDITIONS, FILL PLACEMENT AND LOAD-BEARING REQUIREMENTS SHALL BE PERFORMED IN ACCORDANCE WITH 2020 BCNYS SECTION 1705.6 AND TABLE 1705.6. THE APPROVED GEOTECHNICAL REPORT AND THE CONSTRUCTION DOCUMENTS PREPARED BY THE REGISTERED DESIGN PROFESSIONALS SHALL BE USED TO DETERMINE COMPLIANCE. DURING FILL PLACEMENT, THE SPECIAL INSPECTOR SHALL VERIFY THAT PROPER MATERIALS AND PROCEDURES ARE USED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. REFERENCE SECTION 1705.6 FOR EXCEPTIONS WHERE SOIL SPECIAL INSPECTIONS AND TESTS ARE NOT REQUIRED.

1. REQUIRED SPECIAL INSPECTIONS AND TEST OF SOILS.
   a. PERIODICALLY VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.
   b. PERIODICALLY VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.
   c. PERIODICALLY PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.
   d. CONTINUOUSLY VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.
   e. PRIOR TO PLACEMENT OF COMPACTED FILL, PERIODICALLY INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PROPERLY PREPARED.

LEGEND

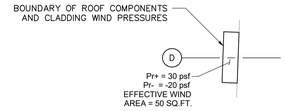
(±)	:	VERIFY IN FIELD	GAL	:	GALVANIZED
±	:	VERIFY IN FIELD	GT	:	GIRDER TRUSS
ARCH	:	ARCHITECTURAL/ARCHITECT	HORIZ	:	HORIZONTAL
B/	:	BOTTOM OF	ISO JT	:	ISOLATION JOINT
BB	:	BOND BEAM	JB	:	JOIST BEARING
BP	:	BEARING PLATE	KFT	:	KIP-FOOT
CONT	:	CONTINUED	Ld	:	DEVELOPMENT LENGTH
CL	:	CENTER LINE	LL	:	LOOSE LINTEL
CFMF	:	COLD FORMED METAL FRAMING	LLV	:	LONG LEG VERTICAL
COB	:	COLUMN OVER BEAM	LLH	:	LONG LEG HORIZONTAL
COL	:	COLUMN	LBW	:	LOAD BEARING WALL
CJ	:	CONSTRUCTION JOINT/CONTRACTION JOINT	MIN	:	MINIMUM
CLSM	:	CONTROLLED LOW STRENGTH MATERIAL	MAX	:	MAXIMUM
CMU	:	CONCRETE MASONRY UNITS	MFR	:	MANUFACTURER
CONC	:	CONCRETE	M.O.	:	MASONRY OPENING
DWLS	:	DOWELS	O.C.	:	ON CENTER
DWG	:	DRAWING	OWJ	:	OPEN WEB JOIST
DIR	:	DIRECTION	P	:	PIER
ELEV	:	ELEVATION	PJF	:	PRE-FORMED JOINT FILLER
EL	:	ELEVATION	PL OR P	:	PLATE
EXIST	:	EXISTING	REINF	:	REINFORCEMENT
EXP JT	:	EXPANSION JOINT	RD	:	ROOF DRAIN
EMBED	:	EMBEDMENT	SCHD	:	SCHEDULE
EJ	:	EXPANSION JOINT	SOG	:	SLAB ON GRADE
EW	:	EACH WAY	STRUCT	:	STRUCTURAL
EA	:	EACH	STL	:	STEEL
EF	:	EACH FACE	T/	:	TOP OF
EQ	:	EQUAL	T&B	:	TOP AND BOTTOM
F	:	FOOTING	TOC	:	TOP OF CONCRETE
FTG	:	FOOTING	VIF	:	VERIFY WITH ARCHITECT
FDN	:	FOUNDATION	UNO	:	UNLESS NOTED OTHERWISE
FIN	:	FINISH	WJ	:	WALL JOINT
FLR	:	FLOOR	WP	:	WORK POINT
FF	:	FLOOR FINISH	WWF	:	WELDED WIRE FABRIC
FP	:	FALL PROTECTION	W/	:	WITH
GA	:	GAUGE			

LOOSE LINTEL SCHEDULE

WALL TYPE	SPAN	LINTEL	BEARING PLATE
4" BRICK VENEER	0'-0" TO 4'-6"	L3½x3½x5/16"	
	4'-7" TO 5'-6"	L4x3½x5/16" (LLV)	
	5'-7" TO 6'-6"	L5x3½x5/16" (LLV)	
	6'-7" TO 7'-6"	L6x3½x5/16" (LLV)	
	7'-7" TO 8'-6"	L6x3½"x3½" (LLV)	
6" BLOCK	0'-0" TO 4'-6"	WT4x9	BP2
	4'-7" TO 5'-6"	WT4x10.5	BP2
	5'-7" TO 6'-6"	WT5x13	BP2
	6'-7" TO 7'-6"	WT5x13	BP2
	7'-7" TO 9'-0"	W8x13 + 6½ x 5/16" ₹	BP2
	9'-1" TO 12'-0"	WT8x15.5	BP2
8" BLOCK	0'-0" TO 4'-6"	(2)-L3½x3½x5/16"	BP1
	4'-7" TO 5'-6"	(2)-L4x3½x5/16" (LLV)	BP1
	5'-7" TO 6'-6"	(2)-L5x3½x5/16" (LLV)	BP1
	6'-7" TO 7'-6"	(2)-L6x3½x5/16" (LLV)	BP1
	7'-7" TO 9'-0"	W8x13 + 7½ x 5/16" ₹	BP1
	7'-7" TO 8'-6"	WT8x18	BP1
	8'-7" TO 13'-0"	WT8x28.5	BP1

NOTES:

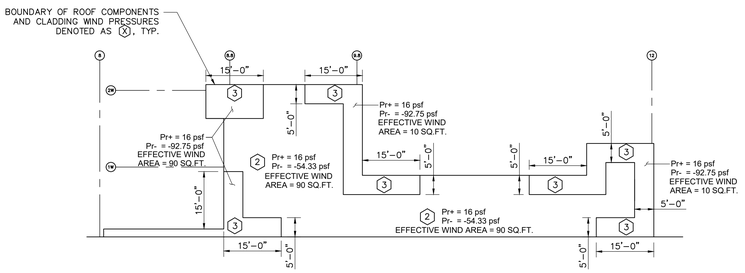
1. PROVIDE STEEL LINTELS AT EACH MASONRY OPENINGS AT INTERIOR LOCATIONS.
2. MINIMUM BEARING FOR ALL LINTELS SHALL BE 8" AT EACH END.
3. BLOCK WALLS SHALL BE GROUTED SOLID 3 COURSES BELOW BEARING POINT FOR A WIDTH OF 16" UNLESS NOTED OTHERWISE ON STRUCTURAL FRAMING PLANS.
4. REFER TO ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS FOR SIZE AND LOCATION OF ALL WALL OPENINGS.
5. THIS SCHEDULE PROVIDES TYPICAL LINTEL SIZES FOR OPENINGS UNLESS SPECIFICALLY NOTED OTHERWISE ON STRUCTURAL FRAMING PLANS.
6. SEE TYPICAL DETAIL OF DOUBLE ANGLE LINTEL AND WT LINTEL FOR CMU WALL ON S200.
7. SEE DETAIL 08/S203 FOR LINTEL BEARING PLATE SCHEDULE.



PLAN INDICATING THE COMPONENT AND CLADDING WIND LOAD ZONES & CORRESPONDING UPLIFT PRESSURES FOR CANOPY ROOF AREA

SCALE: NOT TO SCALE

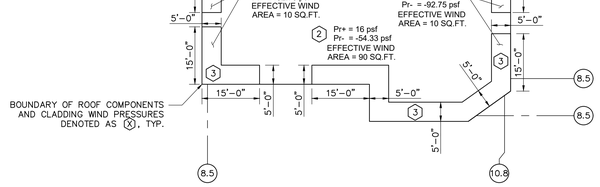
NOTE: ROOF WIND PRESSURE PER ASCE 7-16, CHAPTER 30 CLAUSE 30.1.



PLAN INDICATING THE COMPONENT AND CLADDING WIND LOAD ZONES & CORRESPONDING UPLIFT PRESSURES FOR EXISTING LOW ROOF AREA

SCALE: NOT TO SCALE

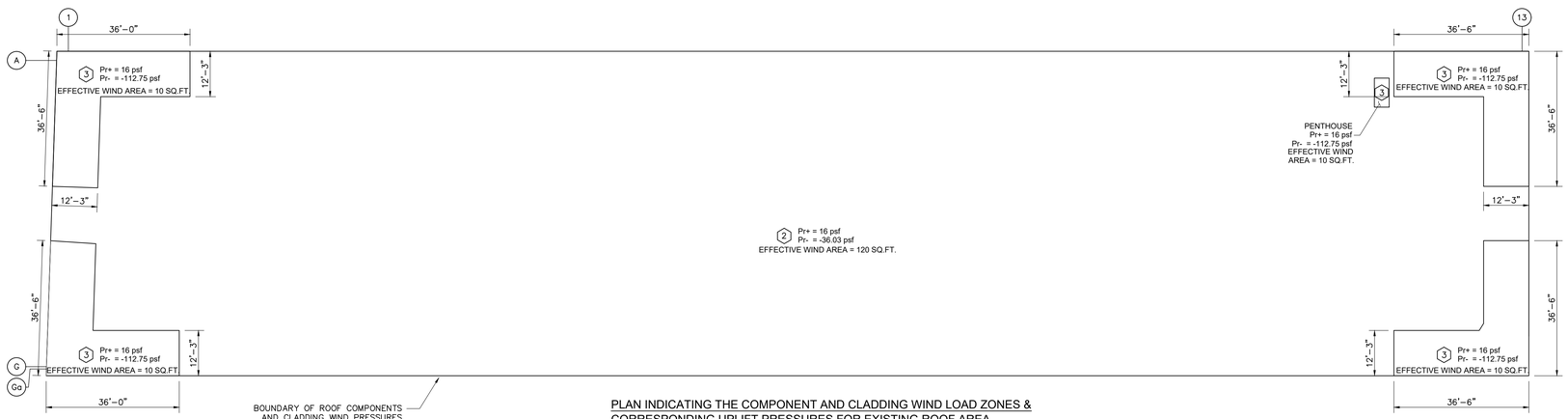
(X) INDICATES ROOF WIND PRESSURE ZONES PER ASCE 7-16, CHAPTER 30. (SEE DESIGN CRITERIA TABLE ON S000 FOR DESIGN PRESSURES.)



PLAN INDICATING THE COMPONENT AND CLADDING WIND LOAD ZONES & CORRESPONDING UPLIFT PRESSURES FOR EXISTING LOW ROOF AREA

SCALE: NOT TO SCALE

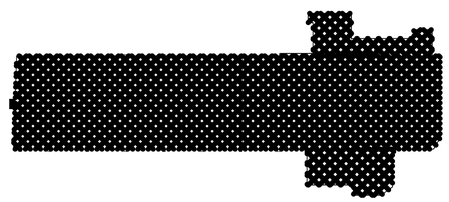
(X) INDICATES ROOF WIND PRESSURE ZONES PER ASCE 7-16, CHAPTER 30. (SEE DESIGN CRITERIA TABLE ON S000 FOR DESIGN PRESSURES.)



PLAN INDICATING THE COMPONENT AND CLADDING WIND LOAD ZONES & CORRESPONDING UPLIFT PRESSURES FOR EXISTING ROOF AREA

SCALE: NOT TO SCALE

(X) INDICATES ROOF WIND PRESSURE ZONES PER ASCE 7-16, CHAPTER 30. (SEE DESIGN CRITERIA TABLE ON S000 FOR DESIGN PRESSURES.)



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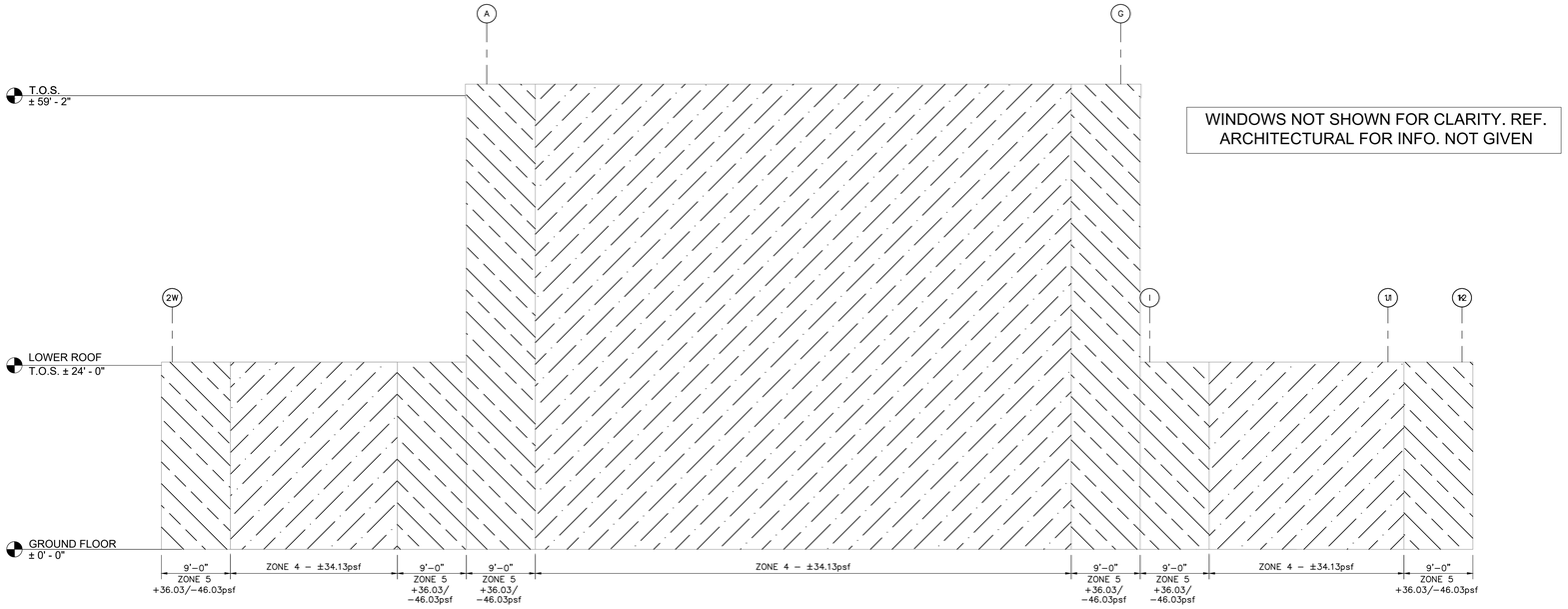
DWG. TITLE

STRUCTURAL DESIGN CRITERIA - SPECIAL INSPECTION NOTES AND ROOF WIND LOAD ZONES

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
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PROJ. No. 432607
DWG. No.

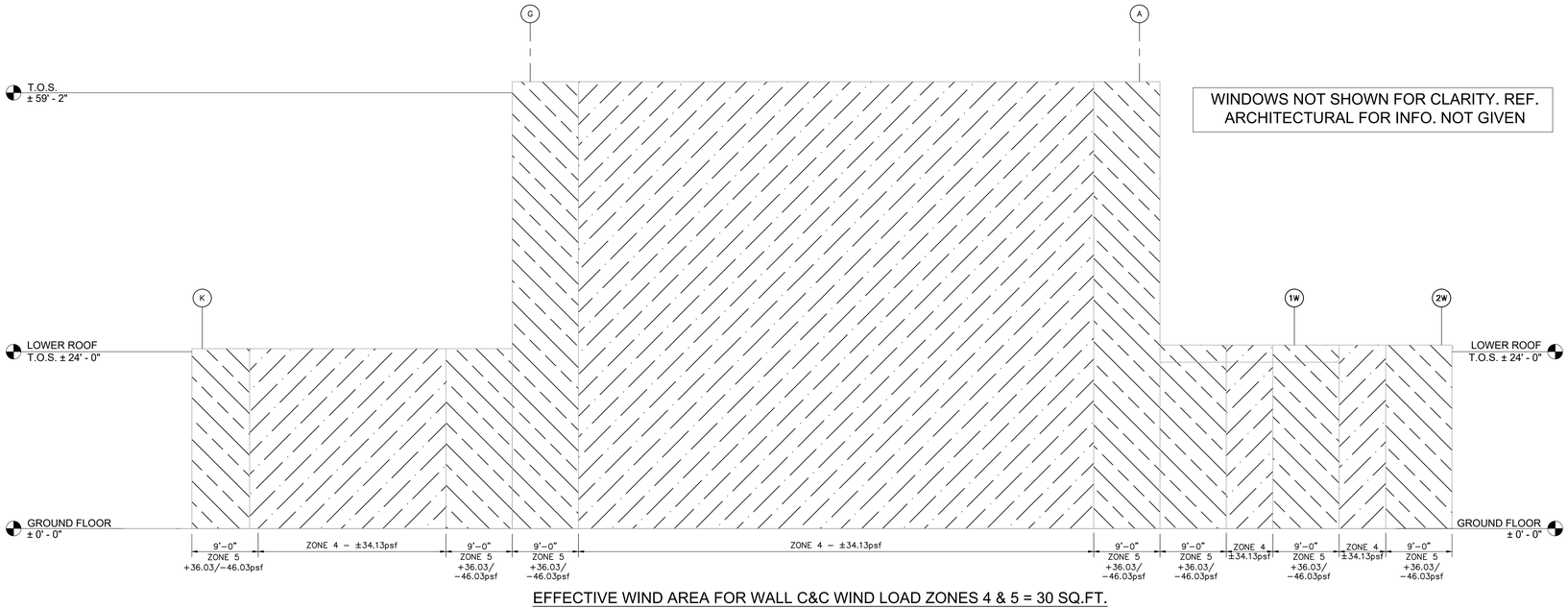
S001



EFFECTIVE WIND AREA FOR WALL C&C WIND LOAD ZONES 4 & 5 = 30 SQ.FT.

01 / S002 NORTH WALL ELEVATION INDICATING THE COMPONENT AND CLADDING WIND LOAD ZONES & CORRESPONDING PRESSURES FOR ALL FOUR WALLS OF THE BUILDING.

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



EFFECTIVE WIND AREA FOR WALL C&C WIND LOAD ZONES 4 & 5 = 30 SQ.FT.

02 / S002 SOUTH WALL ELEVATION INDICATING THE COMPONENT AND CLADDING WIND LOAD ZONES & CORRESPONDING PRESSURES FOR ALL FOUR WALLS OF THE BUILDING.

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

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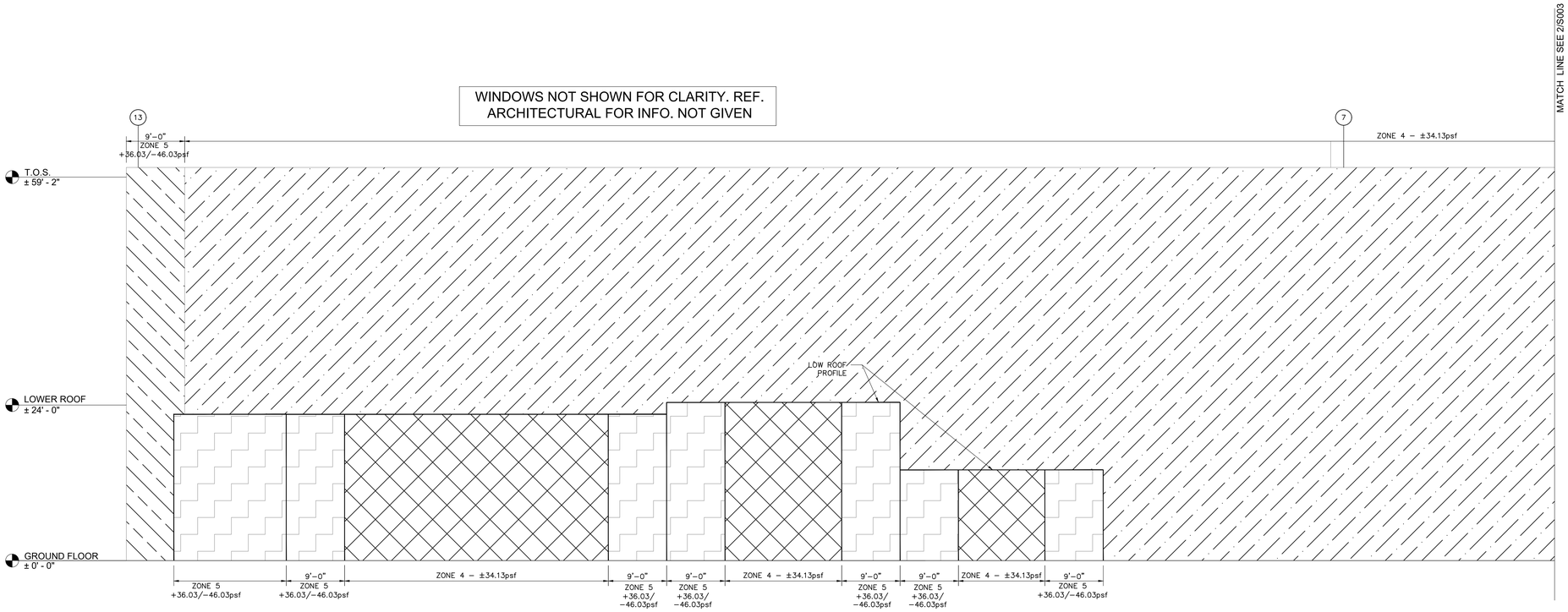
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DWG. TITLE

NORTH AND SOUTH EXTERIOR WALL COMPONENTS AND CLADDING WIND LOAD ZONES

0 1" 2"
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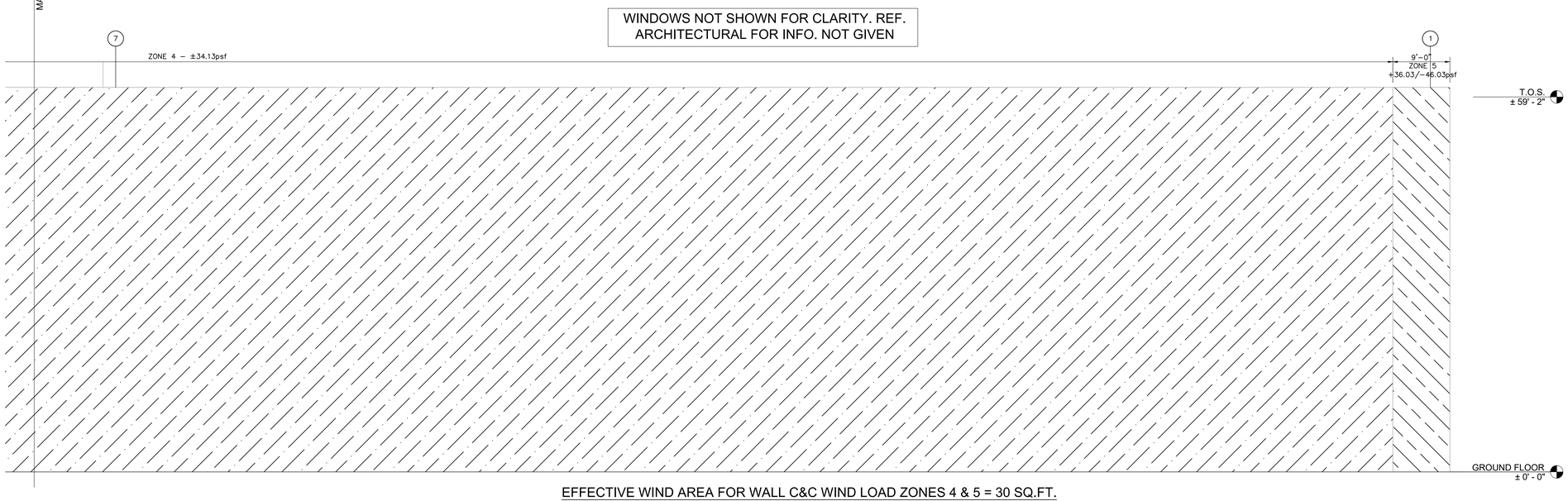
DATE	06/27/25
SCALE	
DWN.	DSW
CHK.	TFW
PROJ. No.	432607
DWG. No.	**S002**



EFFECTIVE WIND AREA FOR WALL C&C WIND LOAD ZONES 4 & 5 = 30 SQ.FT.

01 / S003 PARTIAL EAST WALL ELEVATION INDICATING THE COMPONENT AND CLADDING WIND LOAD ZONES & CORRESPONDING PRESSURES FOR ALL FOUR WALLS OF THE BUILDING.

SCALE: 1/8" = 1'–0"



EFFECTIVE WIND AREA FOR WALL C&C WIND LOAD ZONES 4 & 5 = 30 SQ.FT.

02 / S003 PARTIAL EAST WALL ELEVATION INDICATING THE COMPONENT AND CLADDING WIND LOAD ZONES & CORRESPONDING PRESSURES FOR ALL FOUR WALLS OF THE BUILDING.

SCALE: 1/8" = 1'–0"

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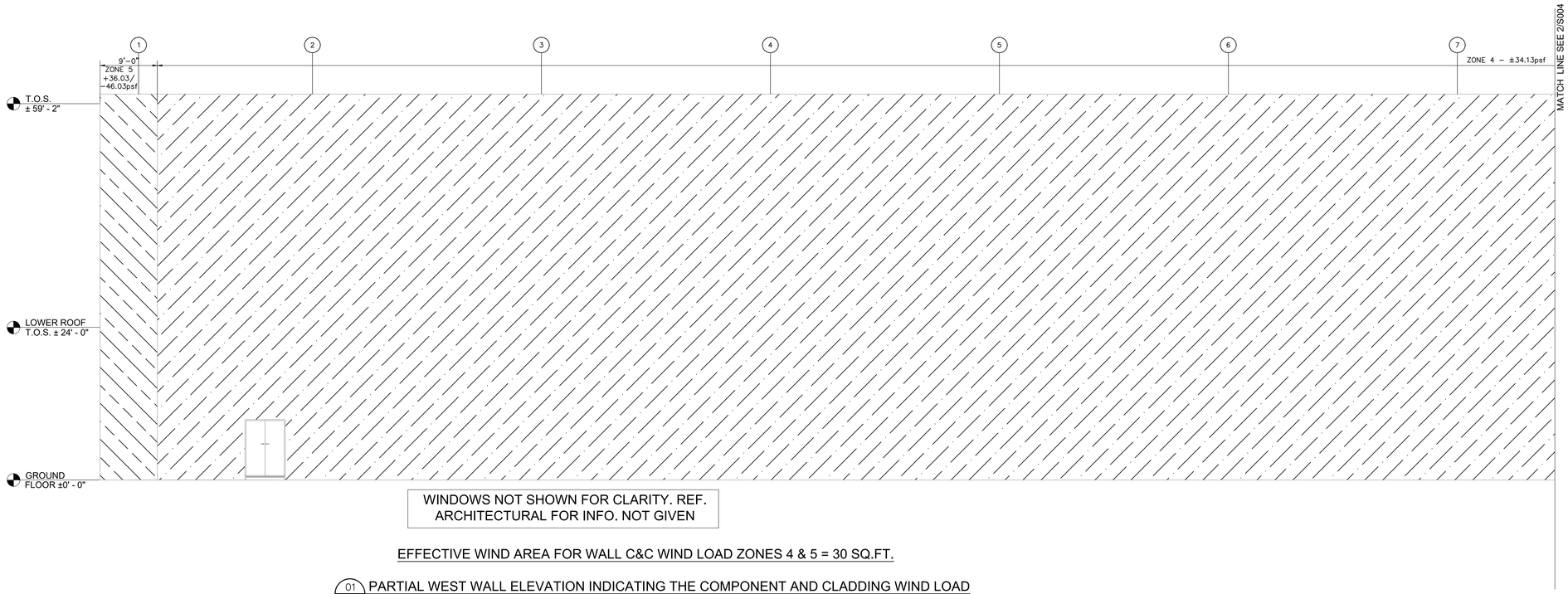
DWG. TITLE

EAST EXTERIOR WALL COMPONENTS AND CLADDING WIND LOAD ZONES

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

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SCALE	
DWN.	DSW
CHK.	TFW
PROJ. No.	432607
DWG. No.	

S003

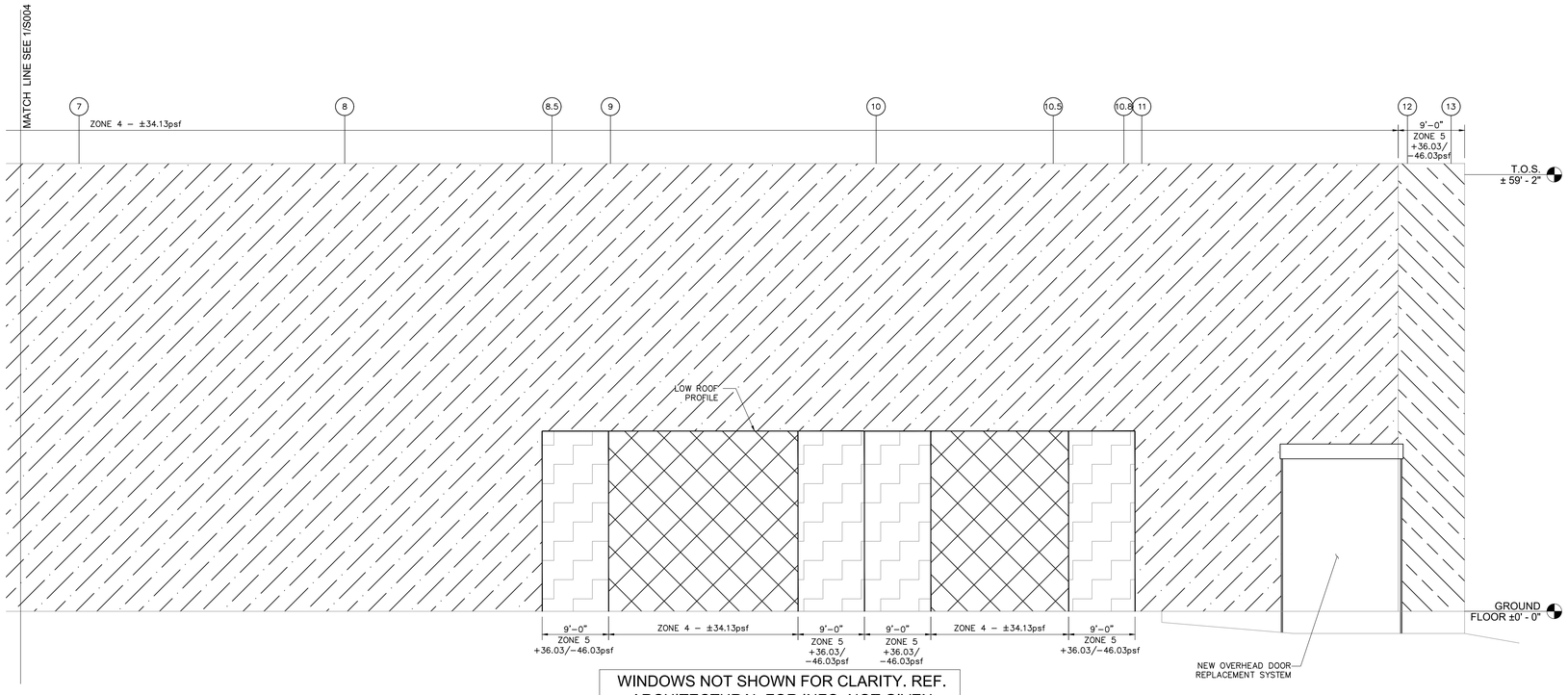


WINDOWS NOT SHOWN FOR CLARITY. REF. ARCHITECTURAL FOR INFO. NOT GIVEN

EFFECTIVE WIND AREA FOR WALL C&C WIND LOAD ZONES 4 & 5 = 30 SQ.FT.

01 S004 PARTIAL WEST WALL ELEVATION INDICATING THE COMPONENT AND CLADDING WIND LOAD ZONES & CORRESPONDING PRESSURES FOR ALL FOUR WALLS OF THE BUILDING.

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



WINDOWS NOT SHOWN FOR CLARITY. REF. ARCHITECTURAL FOR INFO. NOT GIVEN

EFFECTIVE WIND AREA FOR WALL C&C WIND LOAD ZONES 4 & 5 = 30 SQ.FT.

02 S004 PARTIAL WEST WALL ELEVATION INDICATING THE COMPONENT AND CLADDING WIND LOAD ZONES & CORRESPONDING PRESSURES FOR ALL FOUR WALLS OF THE BUILDING.

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

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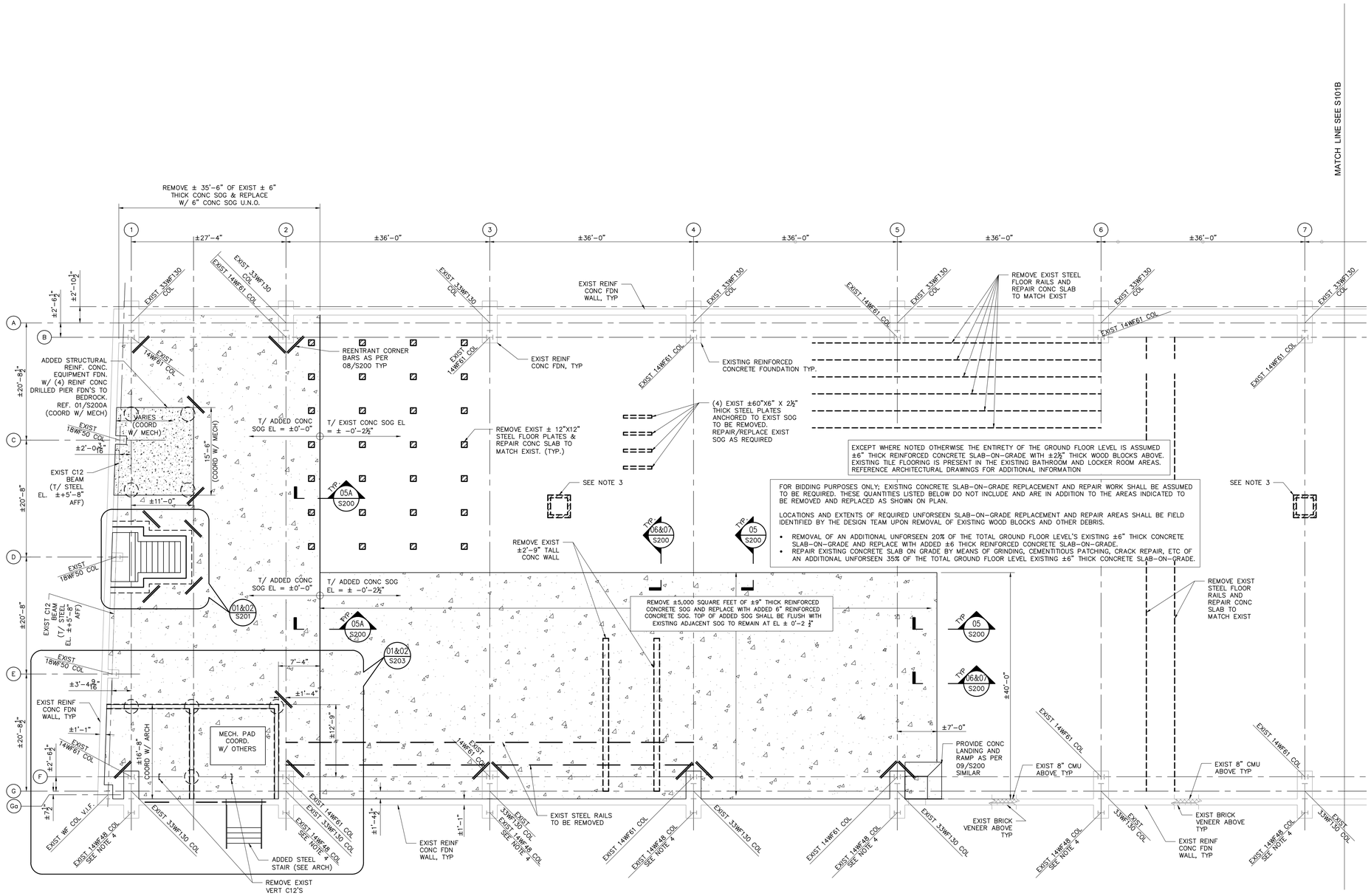
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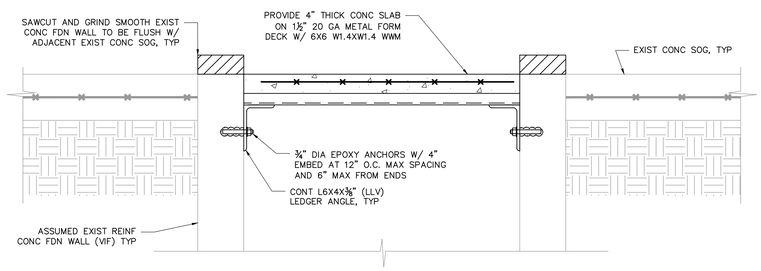
WEST EXTERIOR WALL COMPONENTS AND CLADDING WIND LOAD ZONES

0 1" 2"
GENERIC SCALE BAR
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S004





02 S101A TYPICAL DETAIL AT STEEL PLATE REMOVAL - ASSUMED FLOOR PIT INFILL

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

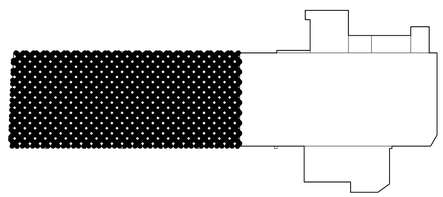
01 S101A PARTIAL FOUNDATION / GROUND FLOOR FRAMING PLAN - NORTH

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

DATUM ELEVATION = +/-0'-0" WHICH CORRESPONDS TO THE EXISTING GROUND FLOOR FINISHED FLOOR ELEVATION (TOP OF EXISTING WOOD BLOCKS). POST CONSTRUCTION FINISHED FLOOR ELEVATION AT TOP OF EXISTING SLAB ON GRADE ELEVATION (+/-) -0'-2½" U.N.O. (VERIFY IN FIELD).

NOTES:

1. ALL STRUCTURAL ELEMENTS SHOWN ARE EXISTING U.N.O.
2. ALL STRUCTURAL ELEMENTS SHOWN ARE BASED ON EXISTING DRAWINGS MADE AVAILABLE TO REALS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
3. EXISTING STEEL PLATE ASSUMED FLOOR HATCH COVER WELDED CLOSED WITH CONCRETE CURB AROUND. REMOVE STEEL HATCH AND CONCRETE CURB AND INFILL VOID WITH COMPACTED STRUCTURAL GRANULAR FILL AND 6" THICK REINFORCED CONCRETE SLAB-ON-GRADE. REFERENCE TYPICAL DETAIL 02/S101A.
4. REMOVE EXISTING COATINGS AND PROVIDE CORROSION RESISTANT COATING AT EXISTING EXTERIOR 14WF48 COLUMN. REFERENCE STRUCTURE STEEL NOTES 15, 16 & 17/S000.



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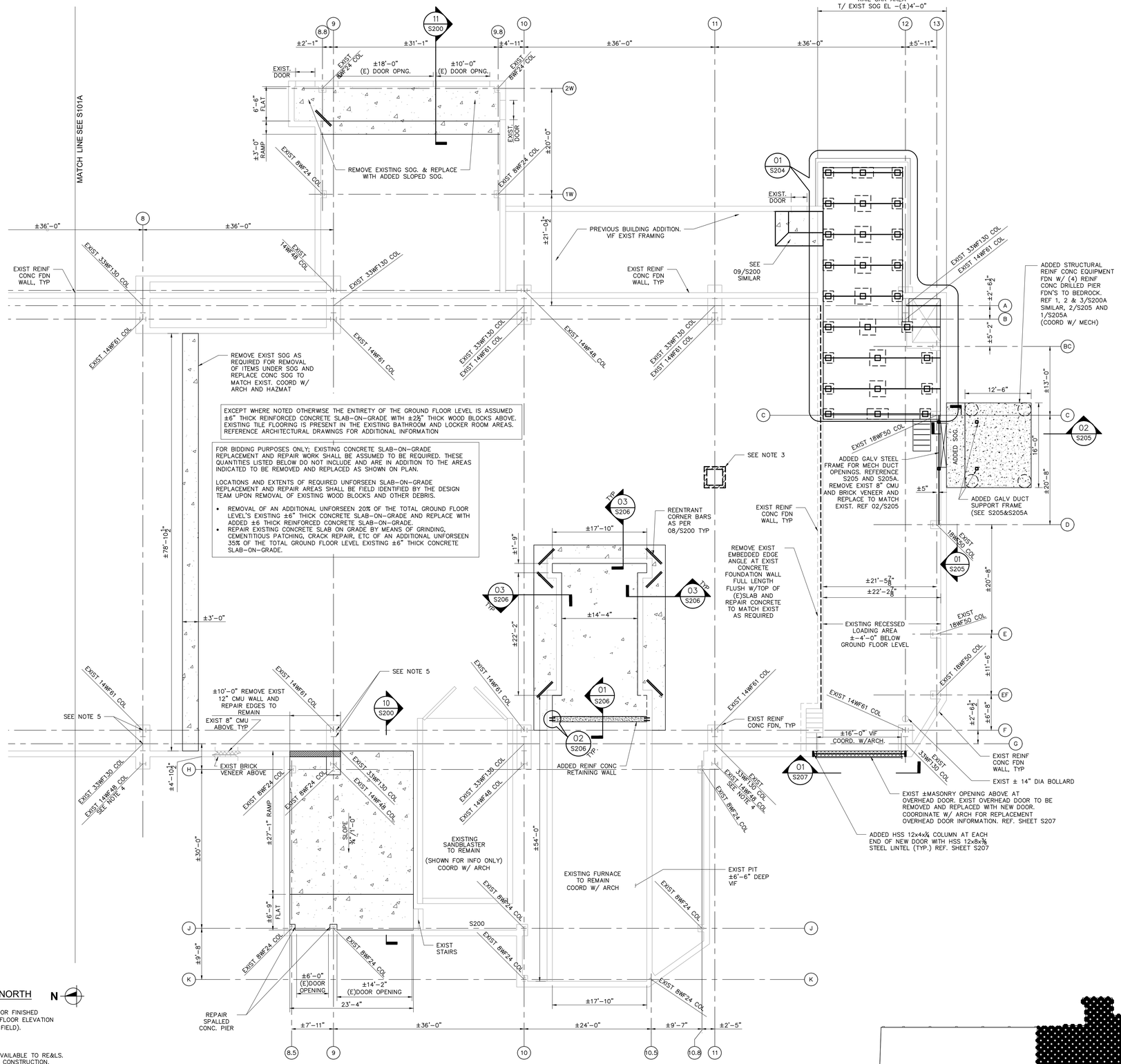
DWG. TITLE

PARTIAL FOUNDATION / GROUND FLOOR FRAMING PLAN - NORTH

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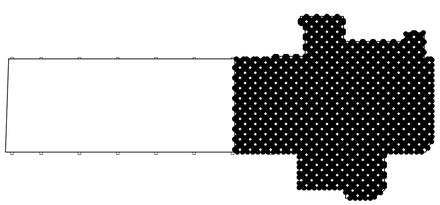
01 S101B PARTIAL FOUNDATION / GROUND FLOOR FRAMING PLAN - NORTH

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

DATUM ELEVATION = +/-0'-0" WHICH CORRESPONDS TO THE EXISTING GROUND FLOOR FINISHED FLOOR ELEVATION (TOP OF EXISTING WOOD BLOCKS). POST CONSTRUCTION FINISHED FLOOR ELEVATION AT TOP OF EXISTING SLAB ON GRADE ELEVATION (+/-) -0'-2½" U.N.O. (VERIFY IN FIELD).

NOTES:

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2. ALL STRUCTURAL ELEMENTS SHOWN ARE BASED ON EXISTING DRAWINGS MADE AVAILABLE TO RE&LS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
3. EXISTING STEEL PLATE ASSUMED FLOOR HATCH COVER WELDED CLOSED WITH CONCRETE CURB AROUND. REMOVE STEEL HATCH AND CONCRETE CURB AND INFILL VOID WITH COMPACTED STRUCTURAL GRANULAR FILL AND 6" THICK REINFORCED CONCRETE SLAB-ON-GRADE. REFERENCE TYPICAL DETAIL 02/S101A.
4. REMOVE EXISTING COATINGS AND PROVIDE CORROSION RESISTANT COATING AT EXISTING EXTERIOR 14WF48 COLUMN AS PER STRUCTURAL STEEL NOTES 15, 16 & 17/S000.
5. CLEAN AND REMOVE EXISTING COATINGS AND SURFACE CORROSION AT EXISTING STEEL BASE PLATES AND ANCHOR BOLTS AND EXISTING STEEL COLUMN FROM BASE AT ELEVATION (±) 0'-0" TO 5'-0". COORDINATE WITH HAZMAT FOR EXISTING COATING REMOVAL REQUIREMENTS. APPLY AND REST INHIBITING COATING AS PER STRUCTURAL STEEL NOTES 15, 16 & 17/S000.



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00	ISSUED FOR BID	10/1/25

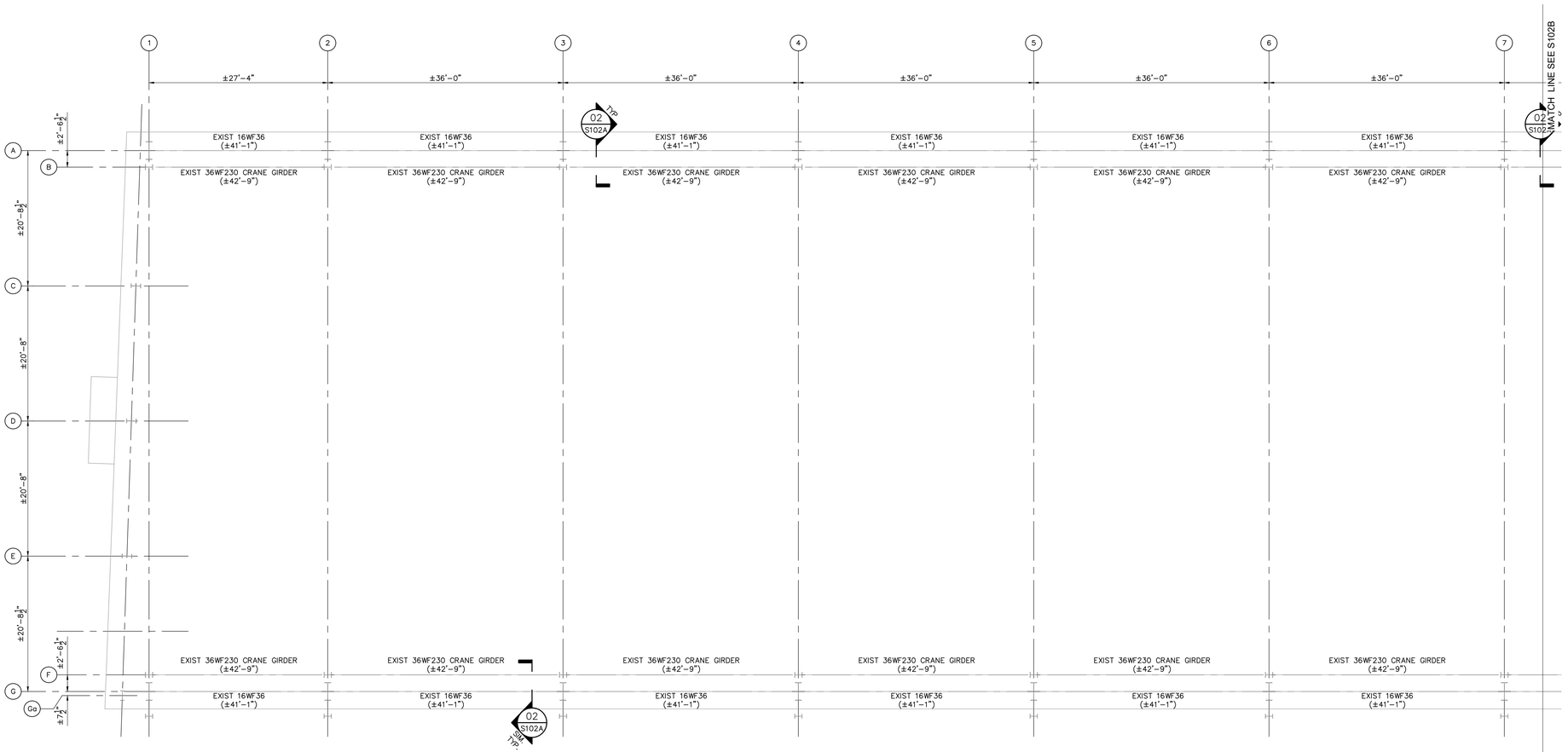
DWG. TITLE

PARTIAL FOUNDATION / GROUND FLOOR FRAMING PLAN - SOUTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/25
SCALE	
DWN.	DSW CHK. TFW
PROJ. No.	432607
DWG. No.	

S101B



01 S102A PARTIAL PLAN AT CRANE GIRDER LEVEL - NORTH (PROVIDED FOR INFORMATION ONLY)

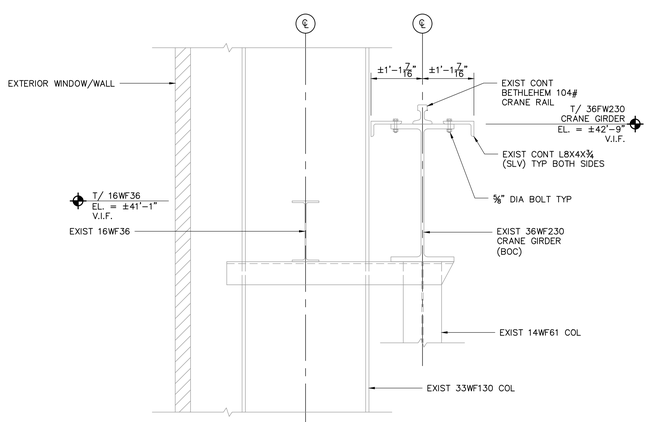
SCALE: 1/8"=1'-0"

DATUM ELEVATION = +/-0'-0" WHICH CORRESPONDS TO THE EXISTING GROUND FLOOR FINISHED FLOOR ELEVATION (TOP OF EXISTING WOOD BLOCKS). POST CONSTRUCTION FINISHED FLOOR ELEVATION AT TOP OF EXISTING SLAB ON GRADE ELEVATION (+/-) -0'-2½" U.N.O. (VERIFY IN FIELD). APPROXIMATE TOP OF EXISTING STEEL ELEVATIONS NOTED AS THUS (±-XX'-XX") VIF

N

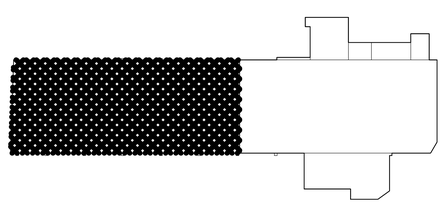
NOTES:

1. ALL STRUCTURAL ELEMENTS SHOWN ARE EXISTING U.N.O.
2. ALL STRUCTURAL ELEMENTS SHOWN ARE BASED ON EXISTING DRAWINGS MADE AVAILABLE TO RE&LS.
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
4. ADDITIONAL EXISTING STRUCTURAL AND STRUCTURAL STEEL ELEMENTS NOT SHOWN, INCLUDING BUT NOT LIMITED TO.. CAT WALKS, MEZZANINES, STAIRS, AND CRANE SYSTEMS. THESE ITEMS ARE REQUIRED TO BE FIELD VERIFIED.



02 S102A SECTION - (PROVIDED FOR INFORMATION ONLY)

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



N KEY PLAN

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Hon. Christopher P. Scanlon, Chairman

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BUFFALO, NY 14211

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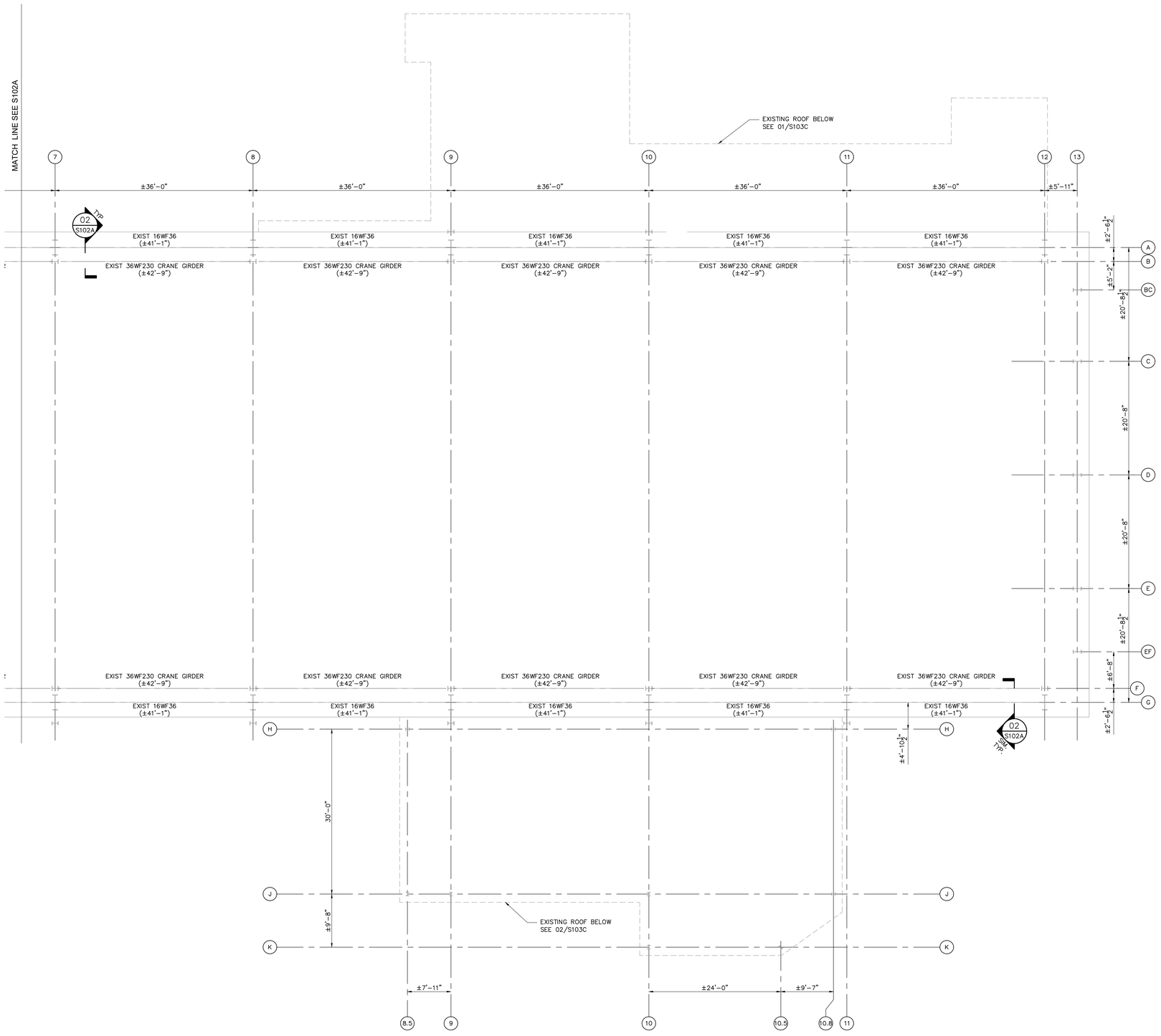
DWG. TITLE

PARTIAL PLAN AT CRANE GIRDER LEVEL - NORTH

GENERIC SCALE BAR
0 1" 2"
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
DWN. DSW CHK. TFW
PROJ. No. 432607
DWG. No.

S102A



01 S102B PARTIAL PLAN AT CRANE GIRDER LEVEL - SOUTH (PROVIDED FOR INFORMATION ONLY)

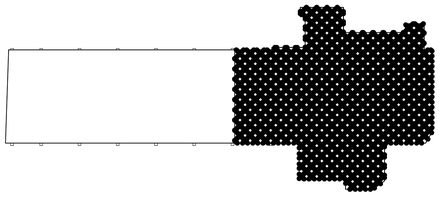
SCALE: 1/8"=1'-0"

DATUM ELEVATION = +/-0'-0" WHICH CORRESPONDS TO THE EXISTING GROUND FLOOR FINISHED FLOOR ELEVATION (TOP OF EXISTING WOOD BLOCKS). POST CONSTRUCTION FINISHED FLOOR ELEVATION AT TOP OF EXISTING SLAB ON GRADE ELEVATION (+/-) -0'-2½" U.N.O. (VERIFY IN FIELD). APPROXIMATE TOP OF EXISTING STEEL ELEVATIONS NOTED AS THUS (±XX'-XX") V.I.F.

N

NOTES:

1. ALL STRUCTURAL ELEMENTS SHOWN ARE EXISTING U.N.O.
2. ALL STRUCTURAL ELEMENTS SHOWN ARE BASED ON EXISTING DRAWINGS MADE AVAILABLE TO RE&LS. THE EXISTING DRAWINGS ARE UNCLEAR.
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
4. ADDITIONAL EXISTING STRUCTURAL AND STRUCTURAL STEEL ELEMENTS NOT SHOWN, INCLUDING BUT NOT LIMITED TO.. CAT WALKS, MEZZANINES, STAIRS, AND CRANE SYSTEMS. THESE ITEMS ARE REQUIRED TO BE FIELD VERIFIED.



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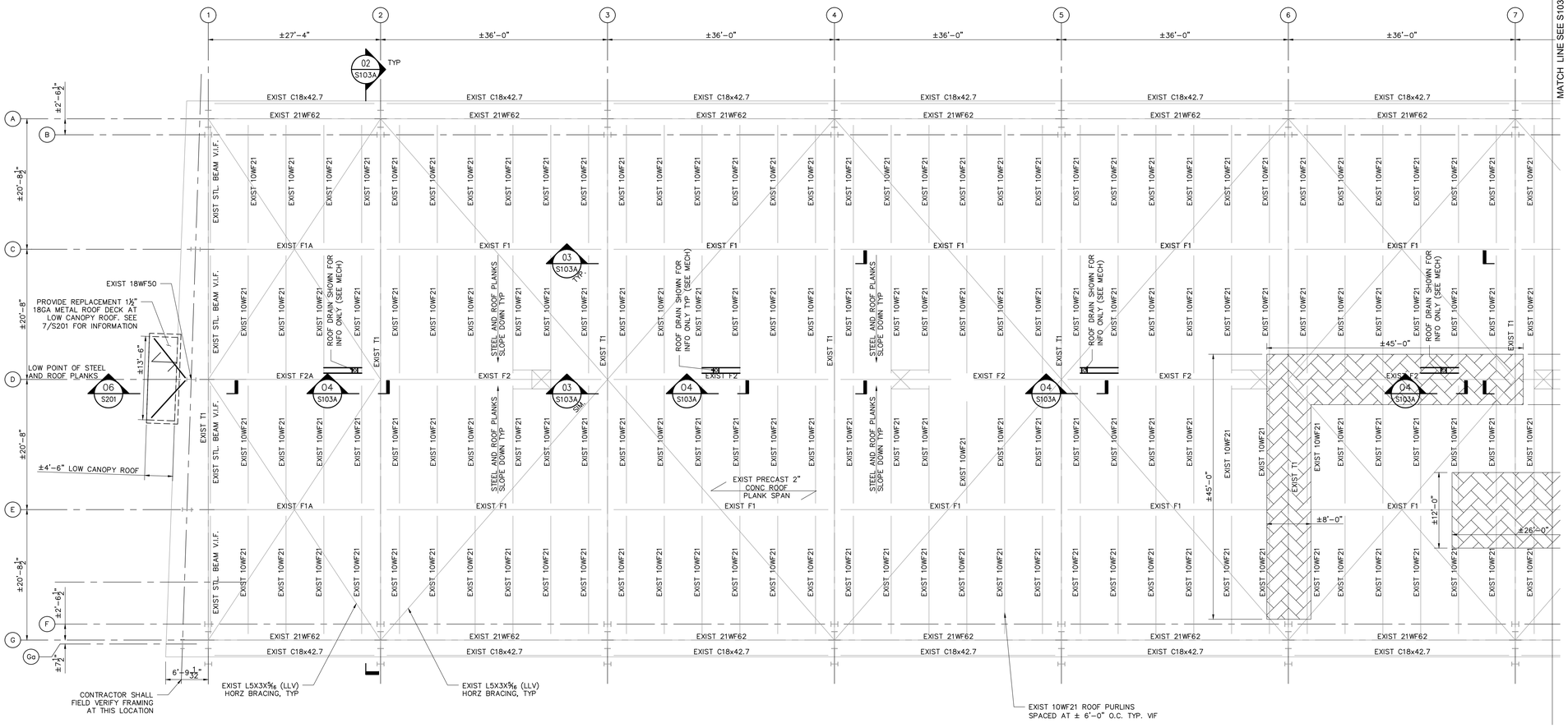
DWG. TITLE

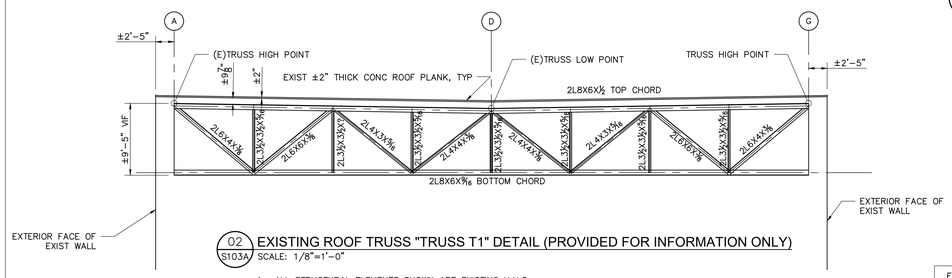
PARTIAL PLAN AT CRANE GIRDER LEVEL - SOUTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
DWN. DSW CHK. TFW
PROJ. No. 432607
DWG. No.

S102B





02 EXISTING ROOF TRUSS "TRUSS T1" DETAIL (PROVIDED FOR INFORMATION ONLY)
S103A SCALE: 1/8"=1'-0"

1. ALL STRUCTURAL ELEMENTS SHOWN ARE EXISTING U.N.O.

01 PARTIAL ROOF FRAMING PLAN - NORTH
S103A SCALE: 1/8"=1'-0"

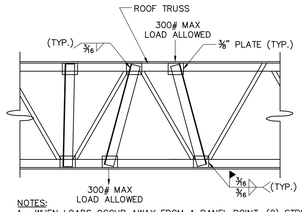
DATUM ELEVATION = +/-0'-0" WHICH CORRESPONDS TO THE EXISTING GROUND FLOOR FINISHED FLOOR ELEVATION (TOP OF EXISTING WOOD BLOCKS). POST CONSTRUCTION FINISHED FLOOR ELEVATION AT TOP OF EXISTING SLAB ON GRADE ELEVATION (+/-) -0'-2½" U.N.O. (VERIFY IN FIELD).

NOTES:
1. ALL STRUCTURAL ELEMENTS SHOWN ARE EXISTING U.N.O.
2. ALL STRUCTURAL ELEMENTS SHOWN ARE BASED ON EXISTING DRAWINGS MADE AVAILABLE TO RE&LS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
3. EXISTING ROOF DECK IS ±2" THICK CONCRETE PLANKS.
4. ADDITIONAL EXISTING STRUCTURAL AND STRUCTURAL STEEL ELEMENTS NOT SHOWN, INCLUDING BUT NOT LIMITED TO, CAT WALKS, MEZZANINES, STAIRS, AND CRANE SYSTEMS. THESE ITEMS ARE REQUIRED TO BE FIELD VERIFIED.
5. ▨ – INDICATES AREA WHERE EXISTING STRUCTURAL STEEL W10 ROOF PURLINS & STEEL TRUSS MEMBERS (TOP & BOTTOM CHORDS AND WEB MEMBERS) ARE REQUIRED TO BE CLEANED OF ALL DEBRIS & SURFACE CORROSION AND HAVE EXISTING COATING REMOVED AND REPLACED WITH RUST INHIBITING COATING. COORDINATE WITH HAZMAT FOR EXISTING COATING REMOVAL REQUIREMENTS. REFERENCE STRUCTURAL STEEL NOTES 15, 16 & 17/S000.
6. PROVIDE ADDED STEEL REINFORCEMENT AT EACH EXISTING AND ADDED ROOF DRAIN OPENING AS PER DETAIL 04/S103A (COORDINATE WITH MECHANICAL)

FOR BIDDING PURPOSES ONLY; EXISTING CONCRETE ROOF PLANK SYSTEM REPLACEMENT AND REPAIR WORK SHALL BE ASSUMED TO BE REQUIRED. THESE QUANTITIES LISTED BELOW DO NOT INCLUDE AND ARE IN ADDITION TO THE AREAS INDICATED TO BE REMOVED AND REPLACED AS SHOWN ON PLAN.

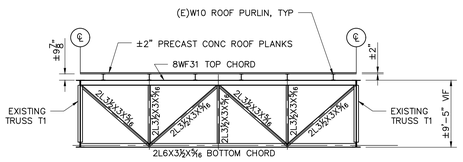
LOCATIONS AND EXTENTS OF REQUIRED UNFORSEEN EXISTING CONCRETE ROOF PLANK SYSTEM REPLACEMENT AND REPAIR AREAS SHALL BE FIELD IDENTIFIED BY THE DESIGN TEAM UPON REMOVAL OF EXISTING WOOD BLOCKS AND OTHER DEBRIS.

- REMOVAL OF AN ADDITIONAL UNFORSEEN 10% OF THE TOTAL ROOF AREAS EXISTING ±2" THICK CONCRETE PLANK SYSTEM AND REPLACE WITH ADDED ±2 THICK REINFORCED PRECAST CONCRETE ROOF PLANK SYSTEM TO MATCH EXISTING.



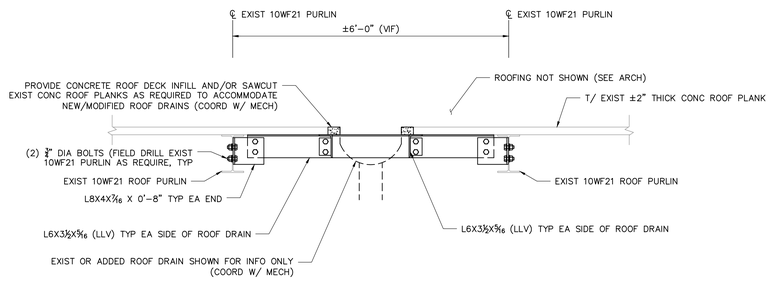
NOTES:
1. WHEN LOADS OCCUR AWAY FROM A PANEL POINT, (2) STRUT ANGLES (4x4x⅜) SHALL BE INSTALLED AT EACH SIDE OF THE TRUSS IN THE FIELD TO CARRY THE LOAD TO AN OPPOSITE PANEL POINT.
2. CHECK/COORDINATE WITH TRUSS TYPE TOP & BOTTOM CHORDS.
3. 300 POUND MAXIMUM ALLOWED ADDED LOAD.
4. WELDS AS REQUIRED TO AVOID NOTCHING TRUSS.

05 CONCENTRATED LOADS ON ROOF TRUSSES
S103A SCALE: 3/4"=1'-0"

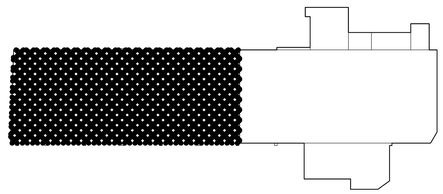


03 EXISTING ROOF TRUSS "TRUSS F1" DETAIL - TRUSS F2 SIMILAR (PROVIDED FOR INFORMATION ONLY)
S103A SCALE: 1/8"=1'-0"

1. ALL STRUCTURAL ELEMENTS SHOWN ARE EXISTING U.N.O.



04 ADDED REINFORCEMENT AT ROOF DRAINS
S103A SCALE: 3/4" = 1'-0"



N KEY PLAN

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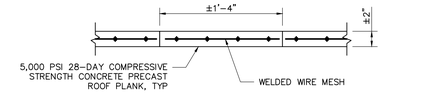
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DWG. TITLE
PARTIAL ROOF FRAMING PLAN - NORTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
DWN. DSW CHK. TFW
PROJ. No. 432607
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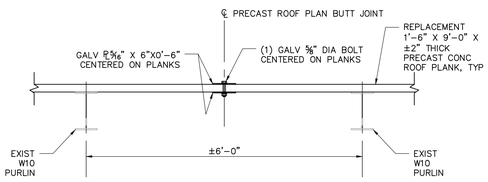
S103A



02 S103B **PRECAST CONCRETE ROOF PLANK (1'-4" X 9'-0")**

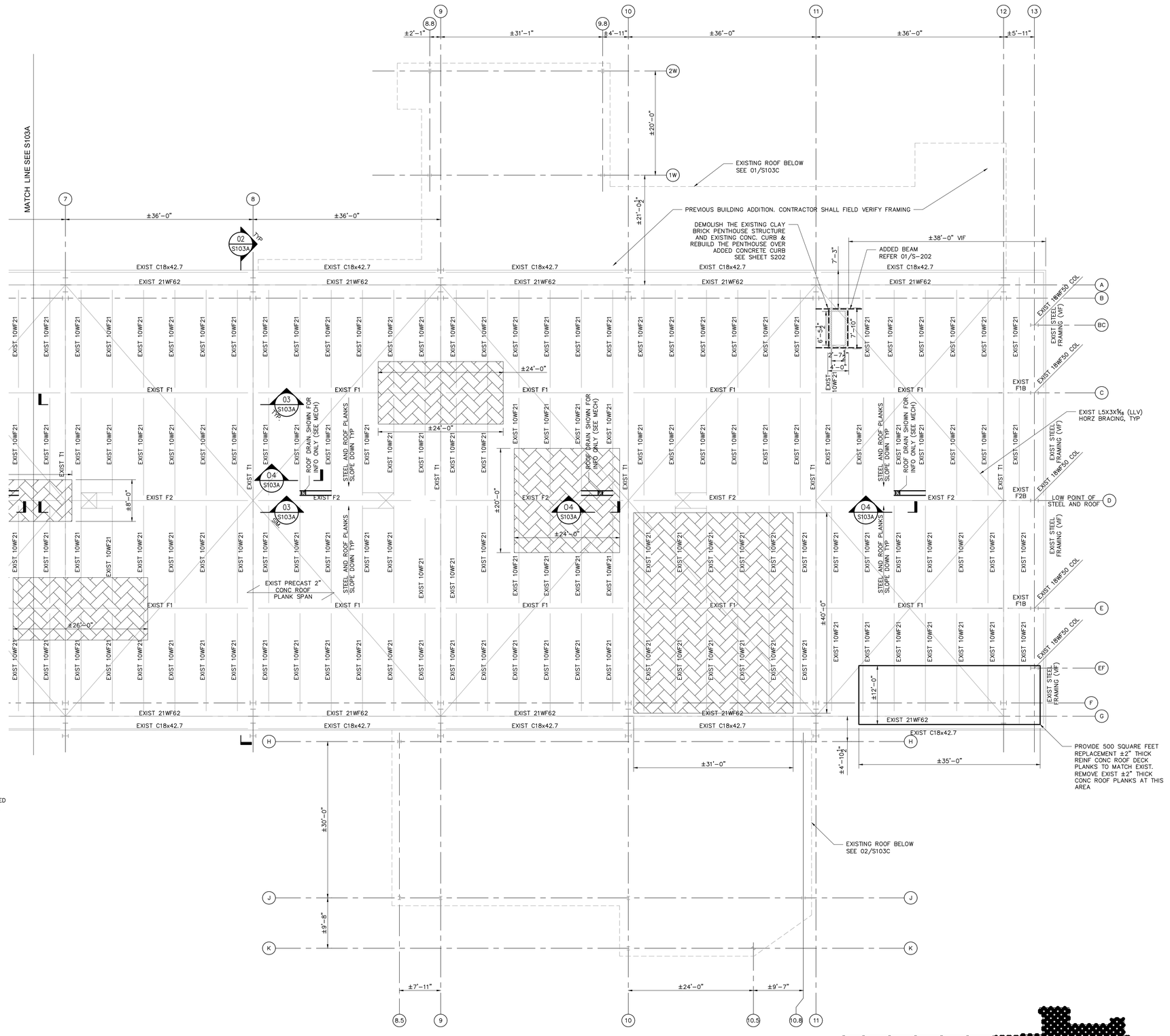
SCALE: 3/4"=1'-0"

PRECAST ROOF PLANK DESIGN LOADS
- DEAD LOAD
  - •• 2" THICK CONCRETE PLANK SELF WEIGHT = 25 PSF
  - •• PROPOSED ROOFING AND INSULATION SYSTEM = 15 PSF
- ROOF LIVE LOAD = 20 PSF
- FLAT ROOF SNOW LOAD = 42 PSF
- REFERENCE S001 FOR COMPONENTS AND CLADDING WIND PRESSURES



03 S103B **TYPICAL UNSUPPORTED PRECAST CONCRETE ROOF PLANK BUTT JOINT**

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



01 S103B **PARTIAL ROOF FRAMING PLAN - SOUTH**

N

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

DATUM ELEVATION = +/-0'-0" WHICH CORRESPONDS TO THE EXISTING GROUND FLOOR FINISHED FLOOR ELEVATION (TOP OF EXISTING WOOD BLOCKS). POST CONSTRUCTION FINISHED FLOOR ELEVATION AT TOP OF EXISTING SLAB ON GRADE ELEVATION (+/-) -0'-2½" U.N.O. (VERIFY IN FIELD).

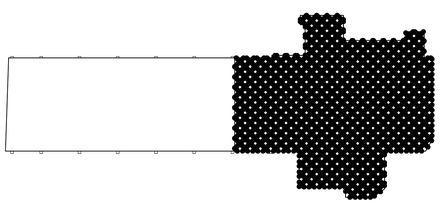
NOTES:

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2. ALL STRUCTURAL ELEMENTS SHOWN ARE BASED ON EXISTING DRAWINGS MADE AVAILABLE TO RE&LS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
3. EXISTING ROOF DECK IS ±2" THICK REINFORCED CONCRETE PLANKS.
4. ADDITIONAL EXISTING STRUCTURAL AND STRUCTURAL STEEL ELEMENTS NOT SHOWN, INCLUDING BUT NOT LIMITED TO.. CAT WALKS, MEZZANINES, STAIRS, AND CRANE SYSTEMS. THESE ITEMS ARE REQUIRED TO BE FIELD VERIFIED.
5. – INDICATES AREA WHERE EXISTING STRUCTURAL STEEL W10 ROOF PURLINS & STEEL TRUSS MEMBERS (TOP & BOTTOM CHORDS AND WEB MEMBERS) ARE REQUIRED TO BE CLEANED OF ALL DEBRIS & SURFACE CORROSION AND HAVE EXISTING COATING REMOVED AND REPLACED WITH RUST INHIBITING COATING. COORDINATE WITH HAZMAT FOR EXISTING COATING REMOVAL REQUIREMENTS. REFERENCE STRUCTURAL STEEL NOTES 15, 16 & 17/S000.
6. PROVIDE ADDED STEEL REINFORCEMENT AT EACH EXISTING AND ADDED ROOF DRAIN OPENING AS PER DETAIL 04/S103A (COORDINATE WITH MECHANICAL)

FOR BIDDING PURPOSES ONLY; EXISTING CONCRETE ROOF PLANK SYSTEM REPLACEMENT AND REPAIR WORK SHALL BE ASSUMED TO BE REQUIRED. THESE QUANTITIES LISTED BELOW DO NOT INCLUDE AND ARE IN ADDITION TO THE AREAS INDICATED TO BE REMOVED AND REPLACED AS SHOWN ON PLAN.

LOCATIONS AND EXTENTS OF REQUIRED UNFORSEEN EXISTING CONCRETE ROOF PLANK SYSTEM REPLACEMENT AND REPAIR AREAS SHALL BE FIELD IDENTIFIED BY THE DESIGN TEAM UPON REMOVAL OF EXISTING WOOD BLOCKS AND OTHER DEBRIS.

- REMOVAL OF AN ADDITIONAL UNFORSEEN 10% OF THE TOTAL ROOF AREAS EXISTING ±2" THICK CONCRETE PLANK SYSTEM AND REPLACE WITH ADDED ±2 THICK REINFORCED PRECAST CONCRETE ROOF PLANK SYSTEM TO MATCH EXISTING.



N KEY PLAN

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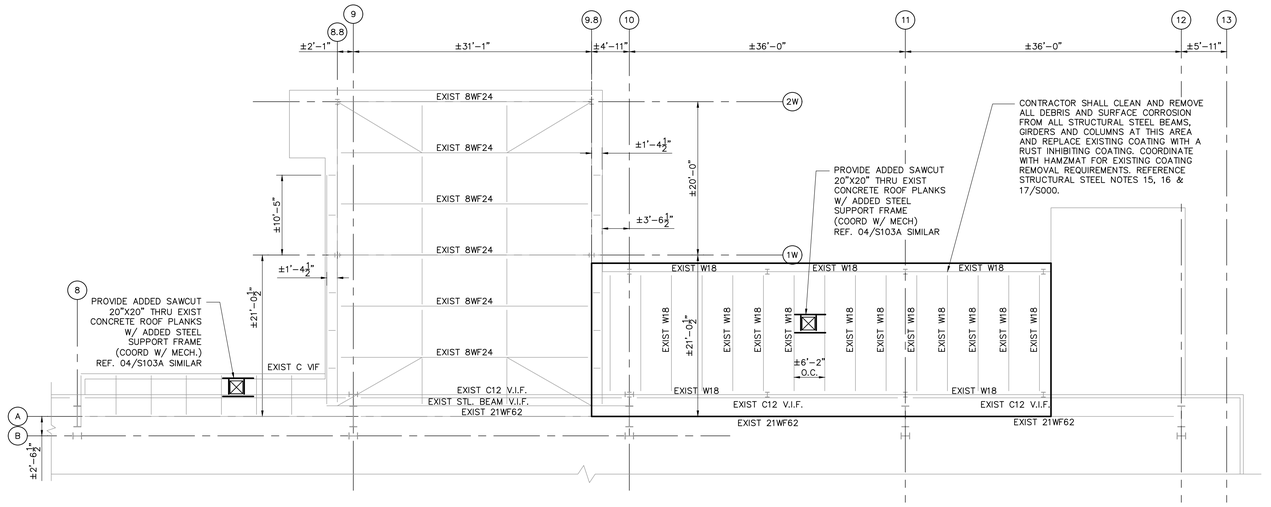
DWG. TITLE

PARTIAL ROOF FRAMING PLAN - SOUTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

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SCALE	
DWN.	DSW
CHK.	TFW
PROJ. No.	432607
DWG. No.	

S103B



01 S103C PARTIAL LOW ROOF FRAMING PLAN - EAST

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

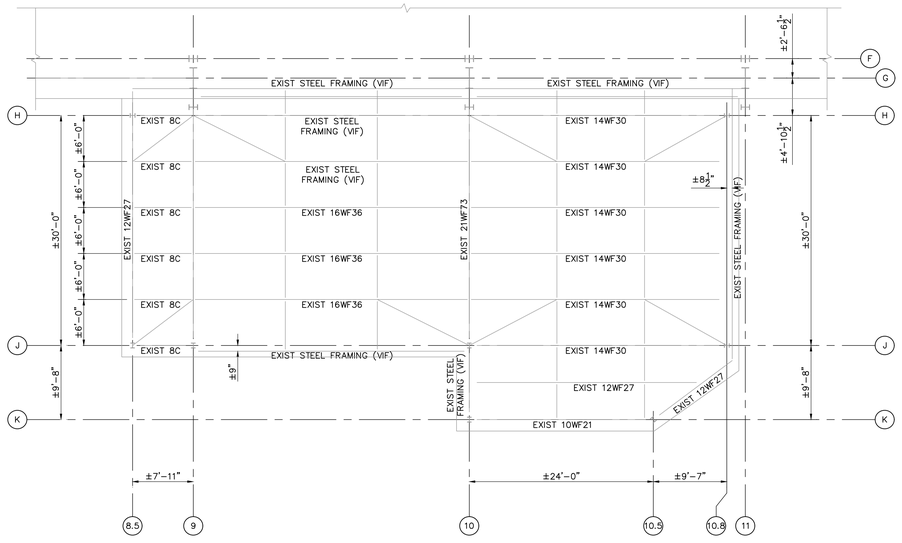
DATUM ELEVATION = +/-0'-0" WHICH CORRESPONDS TO THE EXISTING GROUND FLOOR FINIS FLOOR ELEVATION (TOP OF EXISTING WOOD BLOCKS). POST CONSTRUCTION FINISHED FLOOR ELEVATION AT TOP OF EXISTING SLAB ON GRADE ELEVATION (+/-) -0'-2½" U.N.O. (VERIFY IN FIELD).

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2. ALL STRUCTURAL ELEMENTS SHOWN ARE BASED ON EXISTING DRAWINGS MADE AVAILABLE TO RE&LS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
3. EXISTING ROOF DECK IS ±2" THICK REINFORCED CONCRETE ROOF PLANKS.
4. PROVIDE ADDED STEEL REINFORCEMENT AT EACH EXISTING AND ADDED ROOF DRAIN OPENING AS PER DETAIL 04/S103A (COORDINATE WITH MECHANICAL)

FOR BIDDING PURPOSES ONLY; EXISTING CONCRETE ROOF PLANK SYSTEM REPLACEMENT AND REPAIR WORK SHALL BE ASSUMED TO BE REQUIRED. THESE QUANTITIES LISTED BELOW DO NOT INCLUDE AND ARE IN ADDITION TO THE AREAS INDICATED TO BE REMOVED AND REPLACED AS SHOWN ON PLAN.

LOCATIONS AND EXTENTS OF REQUIRED UNFORSEEN EXISTING CONCRETE ROOF PLANK SYSTEM REPLACEMENT AND REPAIR AREAS SHALL BE FIELD IDENTIFIED BY THE DESIGN TEAM UPON REMOVAL OF EXISTING WOOD BLOCKS AND OTHER DEBRIS.

- REMOVAL OF AN ADDITIONAL UNFORSEEN 10% OF THE TOTAL ROOF AREAS EXISTING ±2" THICK CONCRETE PLANK SYSTEM AND REPLACE WITH ADDED ±2 THICK REINFORCED PRECAST CONCRETE ROOF PLANK SYSTEM TO MATCH EXISTING.



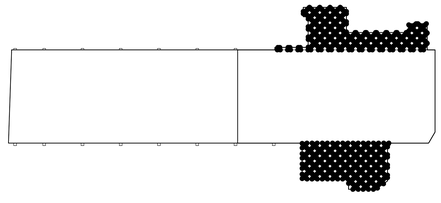
02 S103C PARTIAL LOW ROOF FRAMING PLAN - WEST (PROVIDED FOR INFORMATION ONLY)

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

DATUM ELEVATION = +/-0'-0" WHICH CORRESPONDS TO THE EXISTING GROUND FLOOR FINISHED FLOOR ELEVATION (TOP OF EXISTING WOOD BLOCKS). POST CONSTRUCTION FINISHED FLOOR ELEVATION AT TOP OF EXISTING SLAB ON GRADE ELEVATION (+/-) -0'-2½" U.N.O. (VERIFY IN FIELD).

NOTES:

1. ALL STRUCTURAL ELEMENTS SHOWN ARE EXISTING U.N.O.
2. ALL STRUCTURAL ELEMENTS SHOWN ARE BASED ON EXISTING DRAWINGS MADE AVAILABLE TO RE&LS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
3. EXISTING ROOF DECK IS ±2" THICK REINFORCED CONCRETE PLANKS.
4. ADDITIONAL EXISTING STRUCTURAL AND STRUCTURAL STEEL ELEMENTS NOT SHOWN, INCLUDING BUT NOT LIMITED TO,. CAT WALKS, MEZZANINES, STAIRS, AND CRANE SYSTEMS. THESE ITEMS ARE REQUIRED TO BE FIELD VERIFIED.
5. PROVIDE ADDED STEEL REINFORCEMENT AT EACH EXISTING AND ADDED ROOF DRAIN OPENING AS PER DETAIL 04/S103A (COORDINATE WITH MECHANICAL)



KEY PLAN

BUDC
Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

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NO.	REVISIONS	DATE
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00	ISSUED FOR BID	10/1/25

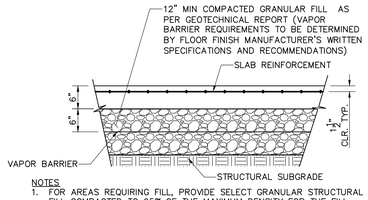
DWG. TITLE

LOW ROOF FRAMING PLANS - EAST & WEST

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

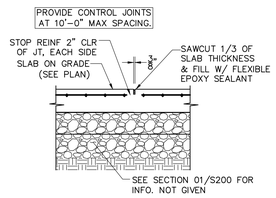
DATE 06/27/25
SCALE
DWN. DSW CHK. TFW
PROJ. No. 432607
DWG. No.

S103C

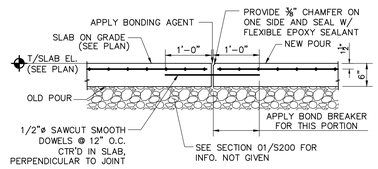


NOTES
1. FOR AREAS REQUIRING FILL, PROVIDE SELECT GRANULAR STRUCTURAL FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY FOR THE FILL MATERIAL PER MOST RECENT ASTM 1557 LABORATORY TEST STANDARDS. FOOTING SUBGRADE & COMPACTION OF SELECT FILL FOR SLAB ON GRADE SHOULD BE INSPECTED AND APPROVED BY A LICENSED GEOTECHNICAL ENGINEER BEFORE PLACING CONCRETE FOR FOOTING & SLAB ON GRADE.
2. PLACE THE REINFORCEMENT IN THE UPPER THIRD PORTION OF THE SLAB.

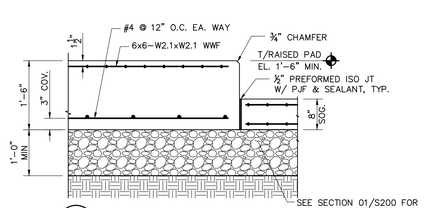
01 S200 TYPICAL DETAIL OF 6" THICK SLAB-ON-GRADE (8" THICK SLAB-ON-GRADE SIMILAR
SCALE: 3/4"=1'-0"



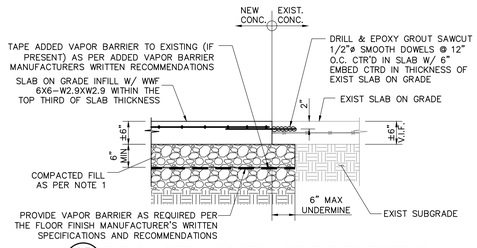
02 S200 TYPICAL DETAIL OF SLAB ON GRADE CONTROL JOINT
SCALE: 3/4"=1'-0"



03 S200 TYPICAL DETAIL OF SLAB ON GRADE CONSTRUCTION JOINT
SCALE: 3/4"=1'-0"

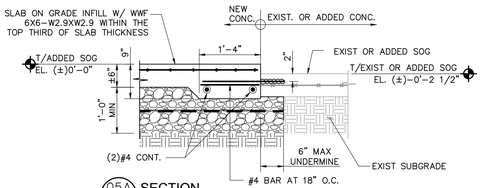


04 S200 TYPICAL RAISED PAD DETAIL
SCALE: 3/4"=1'-0"
NOTE: COORDINATE WITH MECH. DRAWINGS FOR LOCATION AND DIMENSIONS OF PADS. PADS SHALL EXTEND A MINIMUM OF 6" WIDER THAN EQUIPMENT ON ALL SIDES.

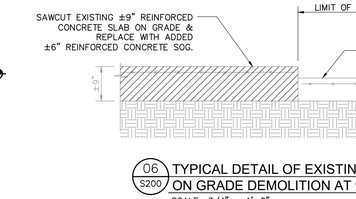


05 S200 TYPICAL DETAIL OR REPLACEMENT-TO-EXISTING CONCRETE SLAB-ON-GRADE
SCALE: 3/4" = 1'-0"

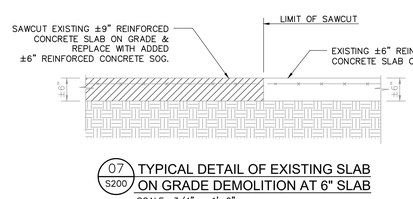
NOTES
1. SLAB ON GRADE SUBGRADE, NYSDOT ITEM 304-2.03 – TYPE 2 SUBBASE SHALL BE INSPECTED AND APPROVED BY SPECIAL INSPECTOR BEFORE PLACING CONCRETE FOR SLAB ON GRADE. SUB-GRADE COMPACTION SHALL BE COMPLETED IN 6" INCH LIFTS OR LESS, TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY ASTM D 1557.
2. VAPOR BARRIER BELOW SLAB ON GRADE SHALL CONFORM TO ASTM E1745 CLASS A MINIMUM. COORDINATE WITH ARCHITECT FOR ADDITIONAL REQUIREMENTS BASED ON FLOOR FINISH MANUFACTURER'S WARRANTIES AND OTHER REQUIREMENTS.



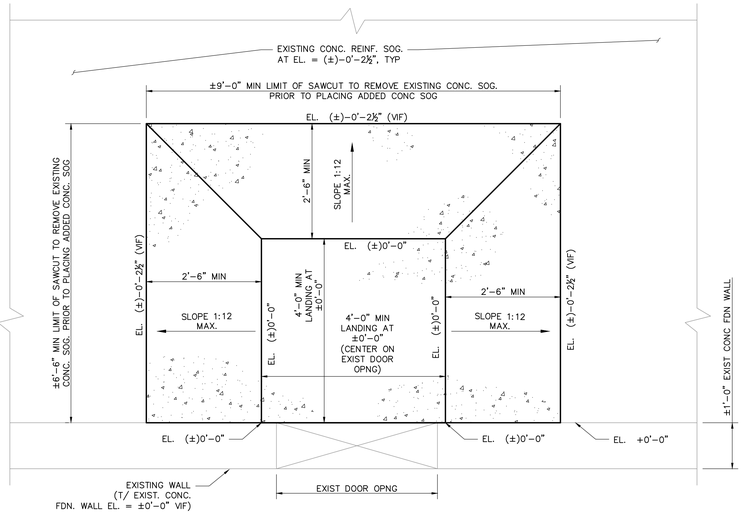
05A S200 SECTION
SCALE: 3/4" = 1'-0"
NOTES: REFERENCE 1&5/S200 FOR INFORMATION NOT GIVEN HERE



06 S200 TYPICAL DETAIL OF EXISTING SLAB ON GRADE DEMOLITION AT 9" SLAB
SCALE: 3/4" = 1'-0"

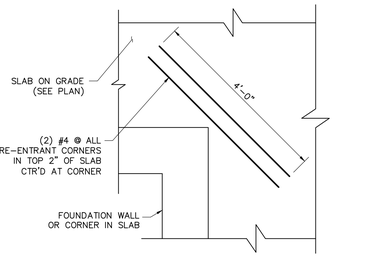


07 S200 TYPICAL DETAIL OF EXISTING SLAB ON GRADE DEMOLITION AT 6" SLAB
SCALE: 3/4" = 1'-0"

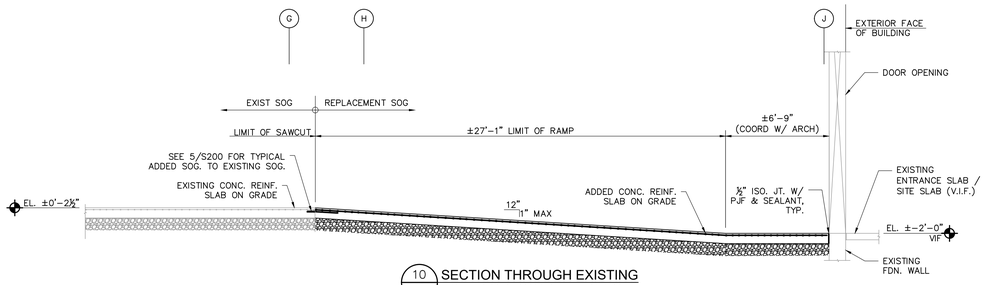


09 S200 TYPICAL PARTIAL PLAN AT ADDED LANDINGS AND SLOPED SLAB-ON-GRADE
SCALE: 3/4" = 1'-0"

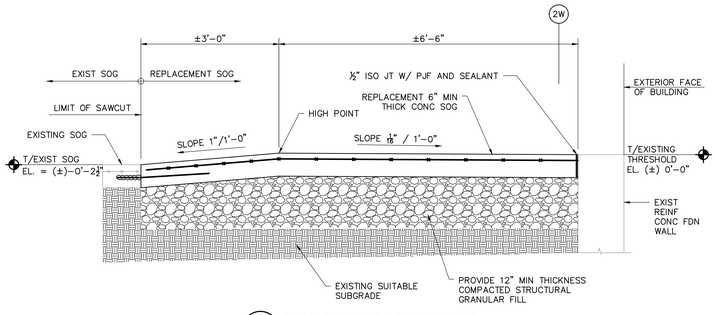
NOTES
1. REFERENCE TYPICAL CONCRETE SLAB-ON-GRADE DETAILS FOR INFORMATION NOT PROVIDED HERE.



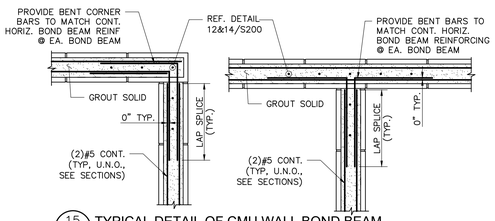
08 S200 TYPICAL DETAIL OF RE-ENTRANT CORNER
SCALE: 3/4" = 1'-0"



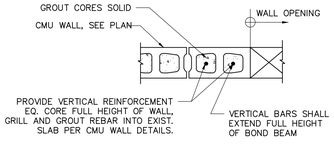
10 S200 SECTION THROUGH EXISTING EXTERIOR DOOR ENTRANCE
SCALE: 1/4"=1'-0"



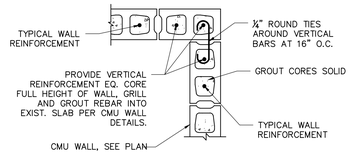
11 S200 SECTION THROUGH EXISTING EXTERIOR DOOR ENTRANCE
SCALE: 3/4" = 1'-0"



15 S200 TYPICAL DETAIL OF CMU WALL BOND BEAM
SCALE: 3/4" = 1'-0"

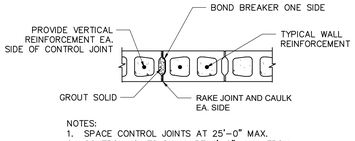


16 S200 TYPICAL CMU WALL AT EDGE DETAIL
SCALE: 3/4"=1'-0"



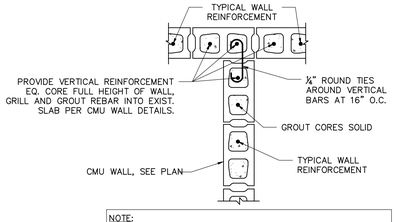
NOTE:
1. ¼" ROUND TIES SHALL BE PROVIDED AT ALL CORNERS & JUNCTIONS OF CMU WALLS U.N.O. ON PLAN

12 S200 TYPICAL CMU WALL CORNER DETAIL
SCALE: 3/4"=1'-0"



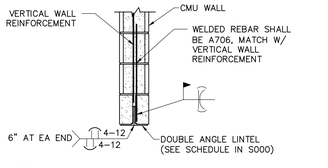
NOTES:
1. SPACE CONTROL JOINTS AT 25'-0" MAX.
2. CONTROL JOINTS SHALL BE 4'-0" MAX. FROM CORNERS UNLESS NOTED OTHERWISE.

13 S200 TYPICAL CMU WALL CONTROL JOINT DETAIL
SCALE: 3/4"=1'-0"

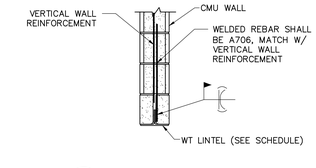


NOTE:
1. ¼" ROUND TIES SHALL BE PROVIDED AT ALL CORNERS & JUNCTIONS OF CMU WALLS U.N.O. ON PLAN

14 S200 TYPICAL CMU WALL JUNCTION DETAIL
SCALE: 3/4"=1'-0"



17 S200 TYPICAL DOUBLE ANGLE LINTEL DETAIL
SCALE: 3/4"=1'-0"



18 S200 TYPICAL WT LINTEL DETAIL
SCALE: 3/4"=1'-0"

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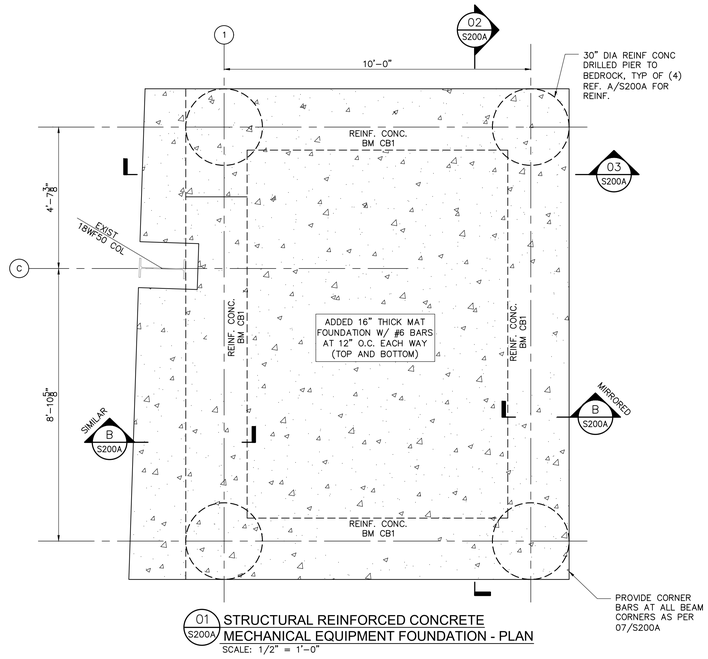
NO.	REVISIONS	DATE
01	ISSUED FOR PERMIT	10/1/25
00	ISSUED FOR BID	10/1/25

DWG. TITLE
TYPICAL DETAILS

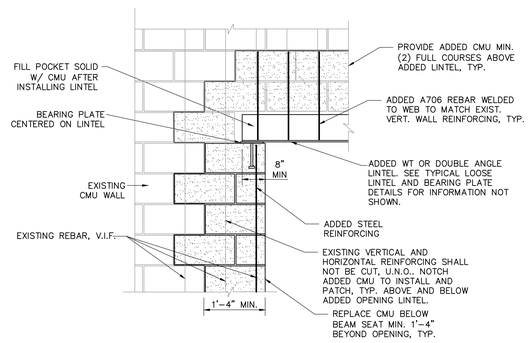
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
DWN. DSW CHK. TFW
PROJ. No. 432607
DWG. No.

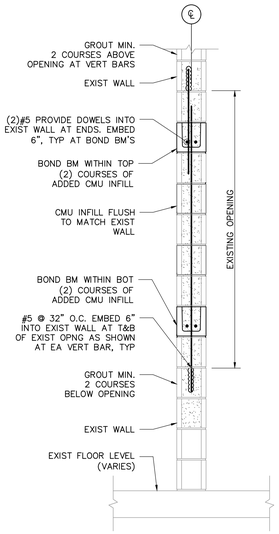
S200



01 S200A **STRUCTURAL REINFORCED CONCRETE MECHANICAL EQUIPMENT FOUNDATION - PLAN**
SCALE: 1/2" = 1'-0"

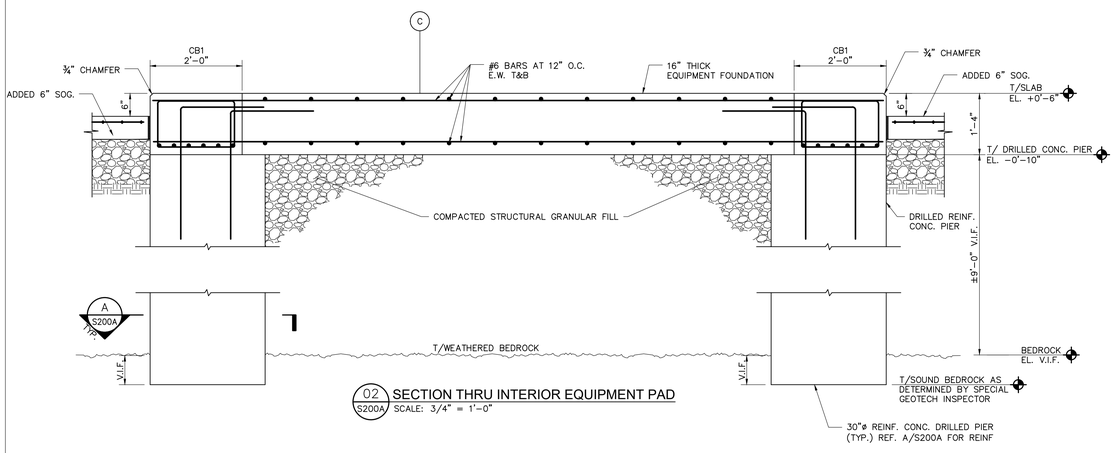


04 S200A **NEW STEEL BEAM POCKET IN EXISTING CMU WALL DETAIL**
SCALE: 3/4"=1'-0"

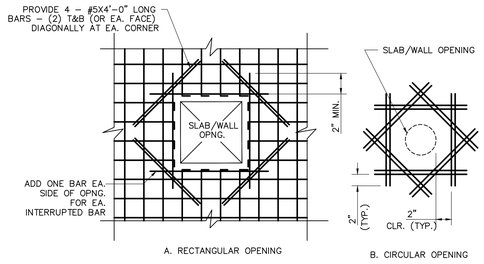


05 S200A **EXIST CMU WALL OPNG INFILL**
SCALE: 3/4" = 1'-0"

NOTE:
1. IF EXISTING STEEL LINTEL AT TOP OF EXISTING OPENING TO BE INFILLED, PROVIDE WELDED BARS TO BOTTOM OF LINTEL AT EACH VERTICAL BAR LOCATION. REFERENCE STRUCTURAL STEEL NOTES #5/S000.

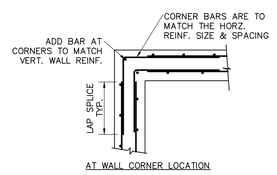


02 S200A **SECTION THRU INTERIOR EQUIPMENT PAD**
SCALE: 3/4" = 1'-0"



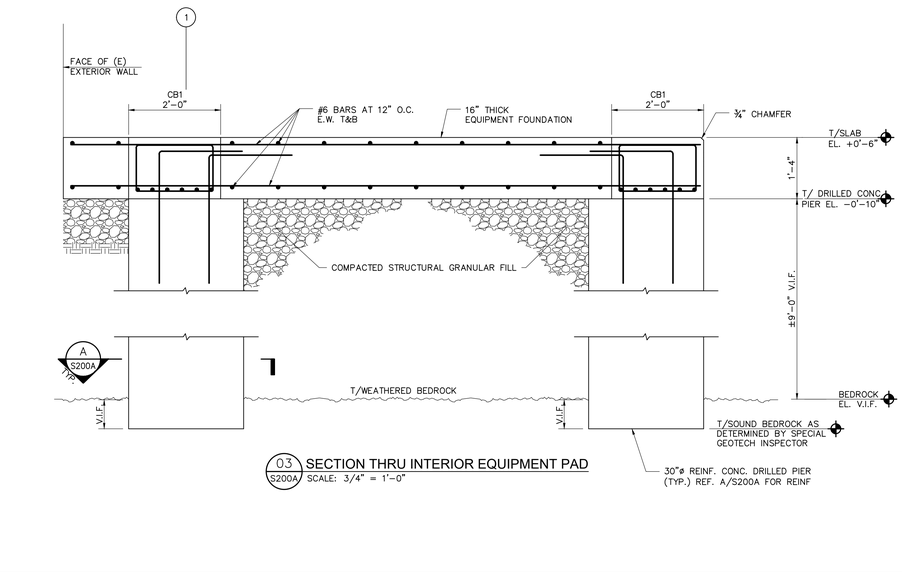
A. RECTANGULAR OPENING B. CIRCULAR OPENING

06 S200A **TYPICAL REINFORCING DETAIL AROUND OPENING IN ADDED CONC SLAB/WALL/BEAM**
SCALE: NTS
NOTE: THIS DETAIL APPLIES TO OPENINGS 2'-0" X 2'-0" OR SMALLER.

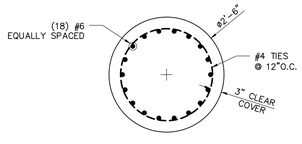


AT WALL CORNER LOCATION

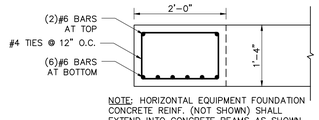
07 S200A **TYPICAL DETAIL OF CONCRETE WALL AT GRADE BEAM / FOUNDATION WALL CORNER**
SCALE: 3/4"=1'-0"



03 S200A **SECTION THRU INTERIOR EQUIPMENT PAD**
SCALE: 3/4" = 1'-0"



A S200A **TYPICAL 30"Ø DRILLED CONCRETE PIER**
SCALE: 3/4" = 1'-0"



NOTE: HORIZONTAL EQUIPMENT FOUNDATION CONCRETE REINF. (NOT SHOWN) SHALL EXTEND INTO CONCRETE BEAMS AS SHOWN IN SECTIONS 02 & 03/S200A

B S200A **TYPICAL CB1 DETAIL**
SCALE: 3/4" = 1'-0"

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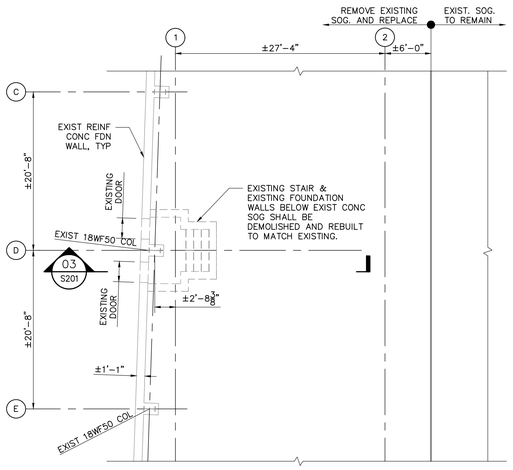
NOTE:
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DWG. TITLE
TYPICAL DETAILS

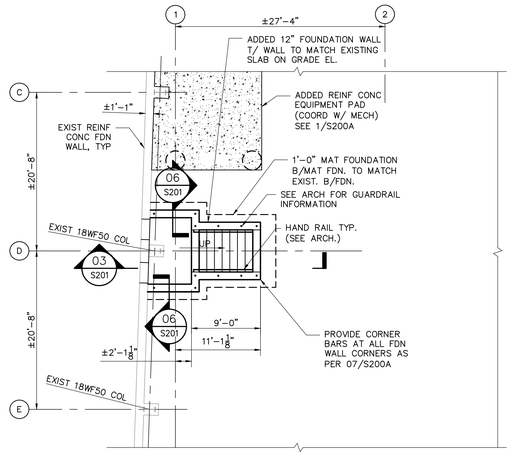
0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
DWN. DSW CHK. TFW
PROJ. No. 432607
DWG. No.
S200A



01 S201 PARTIAL FOUNDATION / GROUND FLOOR DEMOLITION PLAN
SCALE: 1/8"=1'-0"

N

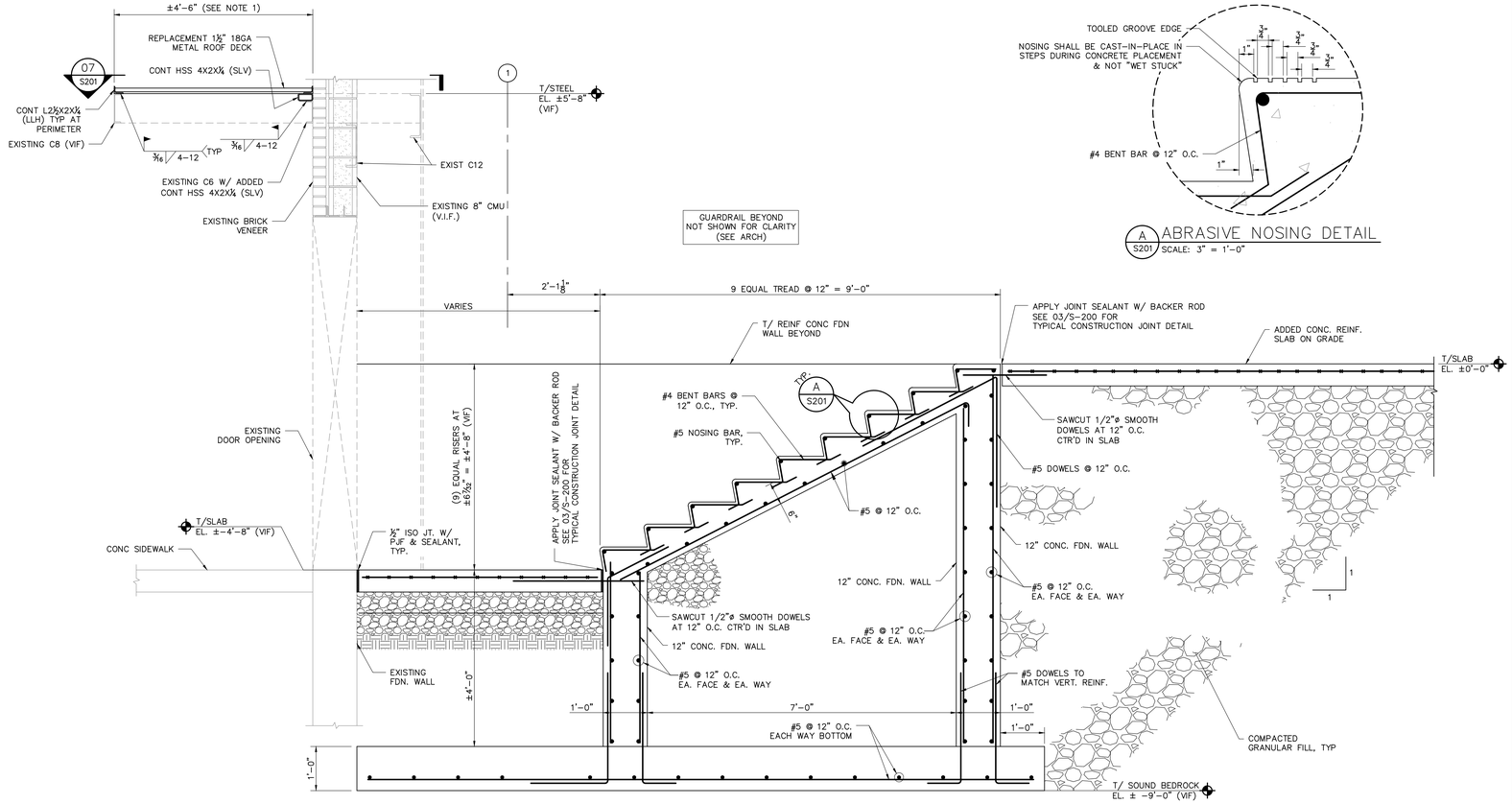


02 S201 PARTIAL FOUNDATION / GROUND FLOOR FOR RECONSTRUCTED STAIR
SCALE: 1/8"=1'-0"

N

05 S201 NOT USED
SCALE: 3/4"=1'-0"

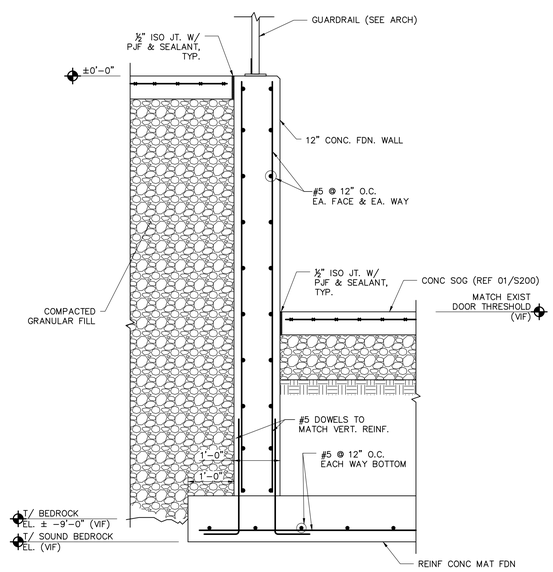
04 S201 NOT USED
SCALE: 1½"=1'-0"



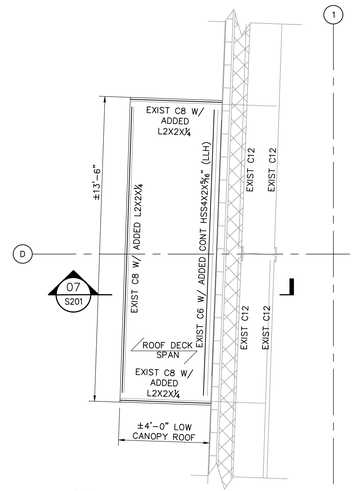
03 S201 SECTION THROUGH RECONSTRUCTED CONCRETE STAIRS
SCALE: 3/4" = 1'-0"

NOTES:
1. CLEAN AND REMOVE ALL EXISTING COATINGS AND SURFACE CORROSION FROM EXISTING STEEL CHANNEL FRAMED ROOF STRUCTURE AND APPLY REPLACEMENT COATING. REFERENCE STRUCTURAL STEEL NOTES 15,16 AND 17/S000

A S201 ABRASIVE NOSING DETAIL
SCALE: 3" = 1'-0"



06 S201 SECTION THROUGH CONCRETE FOUNDATION WALL
SCALE: 3/4" = 1'-0"



07 S201 SECTION THROUGH FRONT CANOPY
SCALE: 3/8" = 1'-0"

NOTES:
1. CLEAN AND REMOVE ALL EXISTING COATINGS AND SURFACE CORROSION FROM EXISTING STEEL CHANNEL FRAMED ROOF STRUCTURE AND APPLY REPLACEMENT COATING. REFERENCE STRUCTURAL STEEL NOTES 15,16 AND 17/S000

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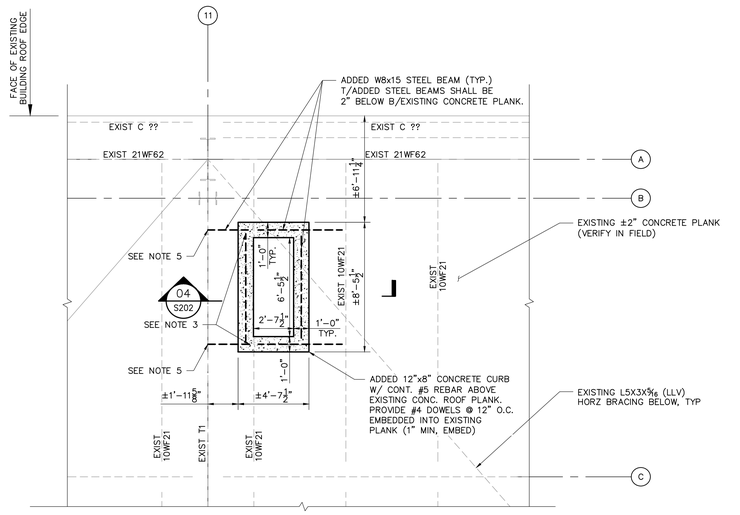
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DWG. TITLE

ENLARGED PARTIAL STAIR REPLACEMENT AT EXISTING GROUND FLOOR

GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

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SCALE	
DWN. DSW	CHK. TFW
PROJ. No.	432607
DWG. No.	**S201**

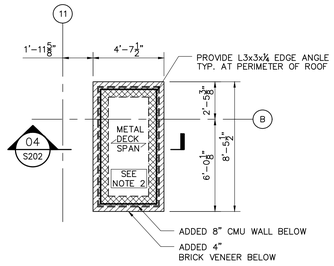


01 S202 PARTIAL ROOF FRAMING PLAN AT EXISTING PENTHOUSE REPLACEMENT LOCATION

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

NOTES:

1. PROVIDE 2" GAP BETWEEN ADDED STEEL BEAMS & BOTTOM OF EXISTING CONCRETE PLANK. THE 2" GAP SHALL BE FILLED WITH 2" DRY NON-SHRINK GROUT AFTER ERECTION OF ADDED STEEL BEAMS.
2. ALL THE DIMENSIONS & LOCATIONS OF EXISTING STRUCTURAL ITEMS ARE TO BE VERIFIED IN FIELD BY CONTRACTOR PRIOR TO STARTING CONSTRUCTION.
3. FOR CONNECTION BETWEEN ADDED STEEL BEAM TO EXISTING STEEL BEAM, PROVIDE CLIP ANGLES EACH SIDE OF WEB OF ADDED STEEL BEAM. CLIP ANGLE SHALL BE BOLTED TO ADDED STEEL BEAM AND SITE WELDED TO EXISTING STEEL BEAM UNLESS NOTED OTHERWISE. SEE 05/S202.
4. PROVIDE SINGLE ANGLE SHEAR CONNECTIONS BETWEEN ADDED STEEL BEAM TO ADDED STEEL BEAM.
5. BOTTOM OF ADDED W8x15 SHALL BEAR ON TOP OF EXISTING ROOF TRUSS T1. FIELD WELD BOTTOM FLANGE OF ADDED W8x15 TO TOP OF EXISTING TRUSS T1. SEE DETAIL 06/S202.

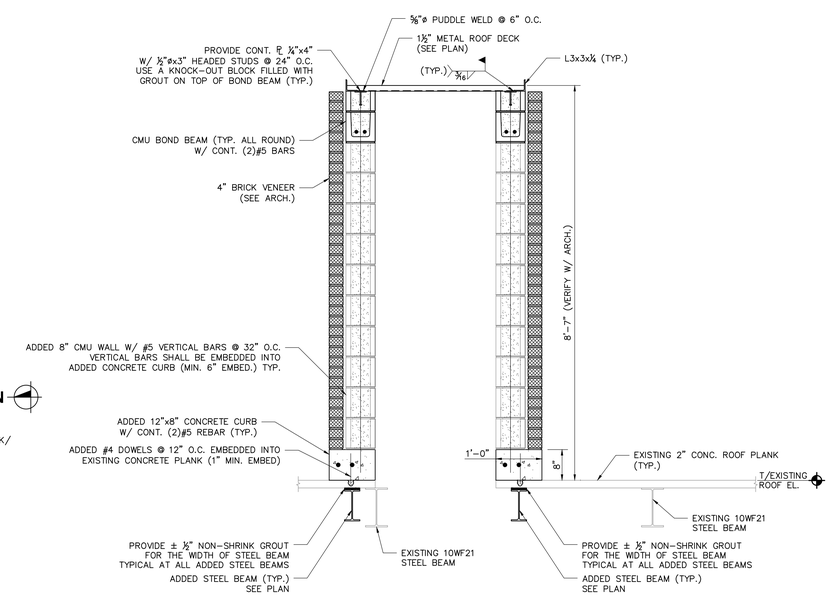


03 S202 PARTIAL ROOF FRAMING PLAN FOR ADDED PENTHOUSE

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

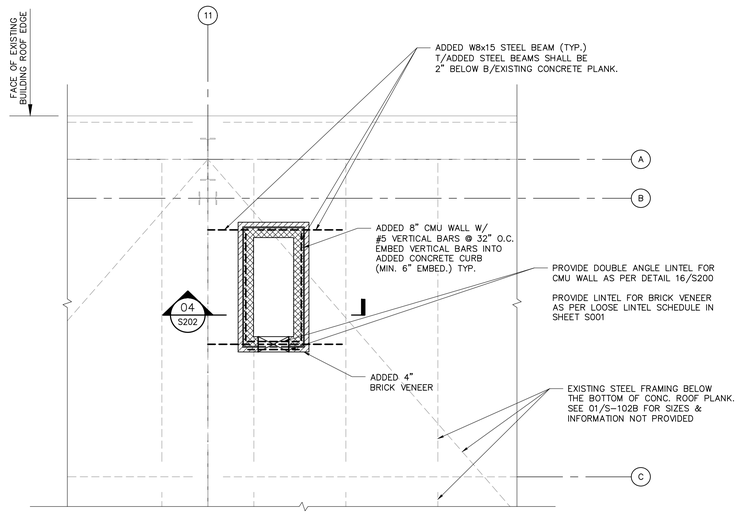
NOTES:

1. TOP OF ADDED METAL ROOF DECK SHALE BE +8'-7" FROM TOP OF EXISTING CONCRETE ROOF PLANK/ SHALL MATCH EXISTING PENTHOUSE ROOF ELEVATION.
2. PROVIDE 1½"-20 GAGE METAL ROOF DECK (TYPE-B) OVER THE ADDED PENTHOUSE ROOF AREA. (DECK W/MIN. IP = 0.201 IN4/FT, IN = 0.222 IN4/FT, SP = 0.234 IN3/FT, SN = 0.247 IN3/FT).



04 S202 SECTION THROUGH ADDED PENTHOUSE

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

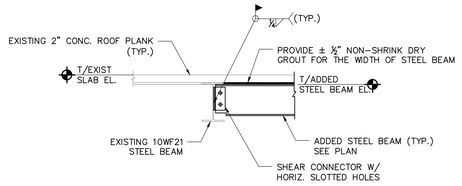


02 S202 PARTIAL ROOF FRAMING PLAN AT EXISTING PENTHOUSE REPLACEMENT LOCATION

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

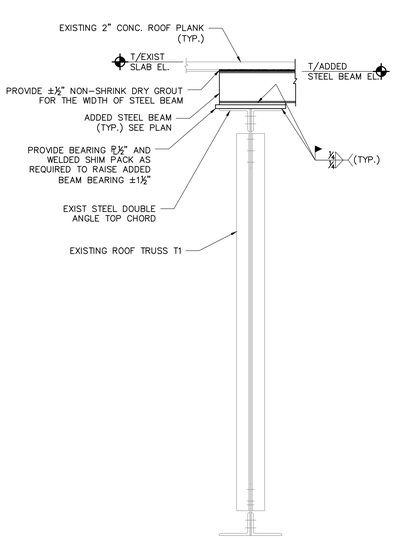
NOTES:

1. SEE 01/S202 FOR INFORMATION NOT PROVIDED



05 S202 TYPICAL DETAIL OF ADDED STEEL BEAM TO EXISTING STEEL BEAM CONNECTION

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



06 S202 TYPICAL DETAIL OF ADDED STEEL BEAM TO EXISTING ROOF TRUSS T1 CONNECTION

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

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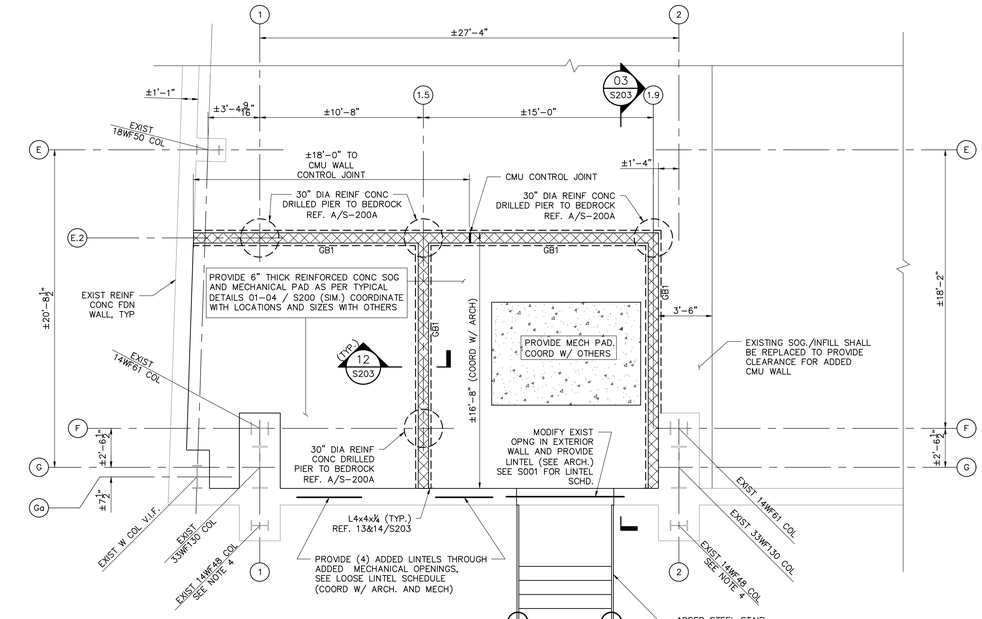
DWG. TITLE

ENLARGED PARTIAL ROOF FRAMING PLANS AT EXISTING PENTHOUSE

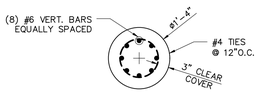
0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/25
SCALE	
DWN.	DSW
CHK.	TFW
PROJ. No.	432607
DWG. No.	

S202

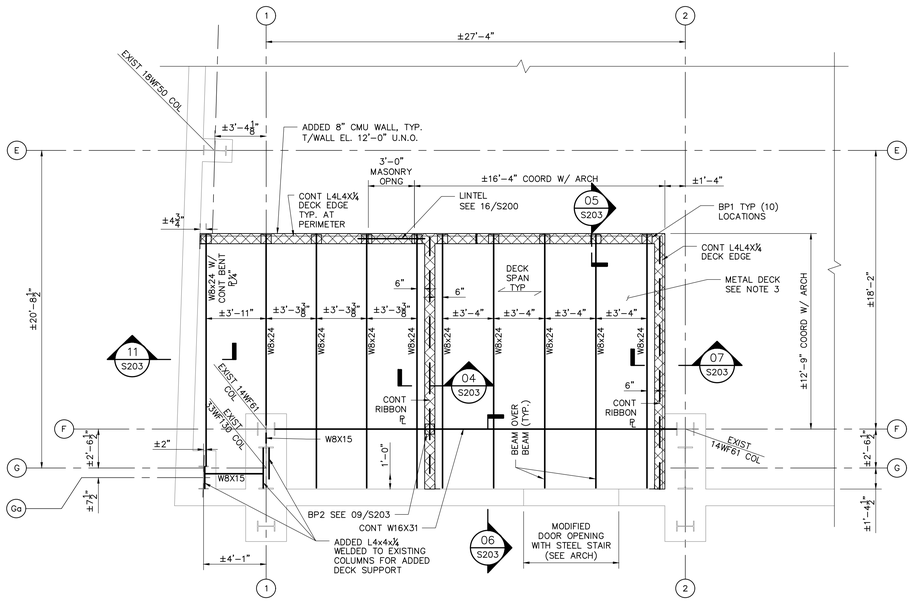


01 S203 PARTIAL FOUNDATION / SLAB PLAN - NORTH
SCALE: 1/4"=1'-0"



A S203 TYPICAL 1'-4"Ø DRILLED CONCRETE PIER
SCALE: 3/4" = 1'-0"

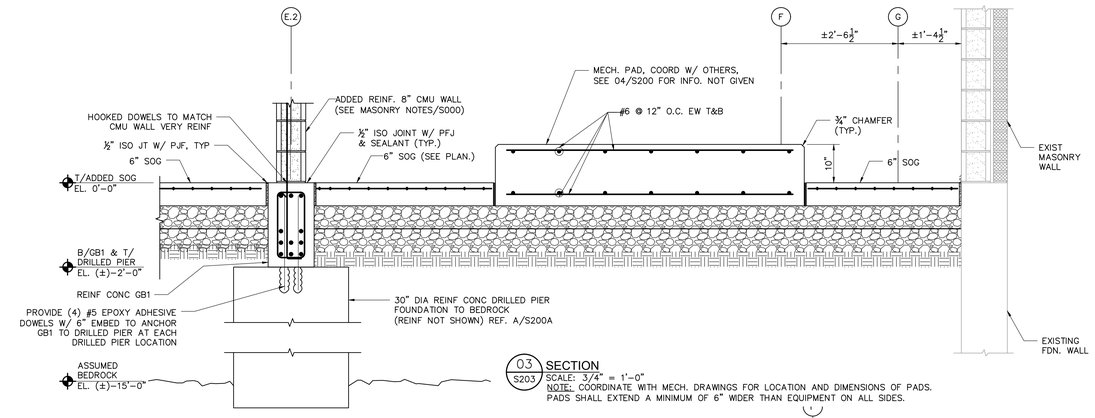
GRADE BEAM (GB) SCHEDULE					
BEAM	WIDTH	DEPTH	BOTTOM BAR	TOP BAR	STIRRUPS
GB1	12"	24"	(6) #6 (2-ROWS)	(3)#6 CONT	#4 AT 9" O.C.



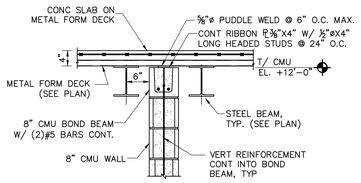
02 S203 PARTIAL FRAMING PLAN AT EL. +12'-0" - NORTH
SCALE: 1/4"=1'-0"

N

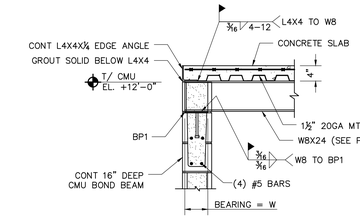
NOTES:
1. ALL STRUCTURAL ELEMENTS SHOWN ARE EXISTING U.N.O.
2. ALL STRUCTURAL ELEMENTS SHOWN ARE BASED OFF EXISTING DRAWINGS MADE AVAILABLE TO RE&LS. THE EXISTING DRAWINGS ARE UNCLEAR ASSUMPTIONS WERE MADE TO PREPARE THESE DRAWINGS. ADDITIONAL FIELD VERIFICATION OF THE EXISTING AS-BUILT CONDITIONS SHALL BE REQUIRED.
3. PROVIDE 2½" NORMAL WEIGHT CONCRETE OVER 1½"-50 KSI 20 GAGE METAL FORM DECK WITH 6X6 - W2.9XW2.9 WWF (DECK Id+ = 0.217 IN^4/FT, Id- = 0.167 IN^4, Se+ = 0.229 IN^3/FT, Se- = 0.224 IN^3/FT) (TOTAL CONCRETE THICKNESS = 4 INCHES) OVER ADDED STEEL FRAMING AS INDICATED ON PLAN. (DECK W/MIN. IP = 0.201 IN4/FT, IN = 0.222 IN4/FT, SP = 0.234 IN3/FT, SN = 0.247 IN3/FT).
4. PROVIDE SHEAR CONNECTIONS AT ADDED STEEL BEAMS TO EXISTING STEEL COLUMNS. REFERENCE STRUCTURAL STEEL NOTE #11/S000.



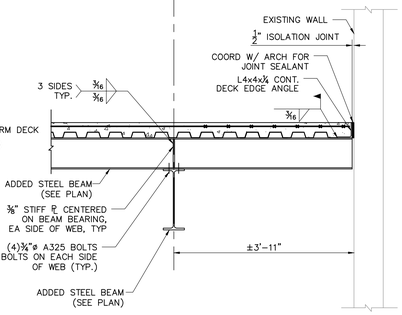
03 S203 SECTION
SCALE: 3/4" = 1'-0"
NOTE: COORDINATE WITH MECH. DRAWINGS FOR LOCATION AND DIMENSIONS OF PADS. PADS SHALL EXTEND A MINIMUM OF 6" WIDER THAN EQUIPMENT ON ALL SIDES.



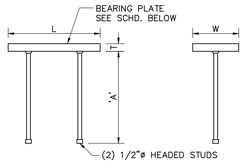
04 S203 METAL DECK OVER CMU WALL (JOIST PARALLEL TO WALL)
SCALE: 3/4"=1'-0"



05 S203 TYPICAL DETAIL OF BEAM POCKET ON MASONRY WALL
SCALE: 3/4" = 1'-0"



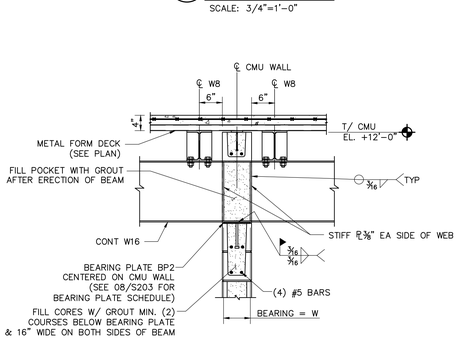
06 S203 SECTION AT CFMF FRAMING OVER STEEL BEAM
SCALE: 3/4"=1'-0"



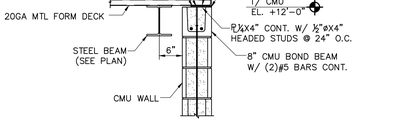
BEAM BEARING PLATE SCHEDULE		
MARK	SIZE (L x W x T)	DIM. 'A'
BP1	7 x 8 x ½"	6"
BP2	7 x 8 x ½"	6"

08 S203 DETAIL OF BEARING PLATE AT BEAM LOCATIONS ON CMU WALL
SCALE: NTS

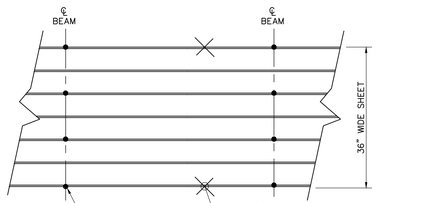
NOTES:
1. WELD HEADED STUDS TO UNDERSIDE OF BEARING PLATE AND WELD BEAM TO TOP OF BEARING PLATE WITH ¼" FILLET WELD FULL LENGTH, EACH SIDE OF FLANGE.
2. SEE NOTE 5 OF STRUCTURAL STEEL NOTES/S000 FOR CONNECTION BETWEEN HEADED STUDS & BEARING PLATE.



09 S203 STEEL BEAM BEARING ON CMU WALL
SCALE: 3/4" = 1'-0"

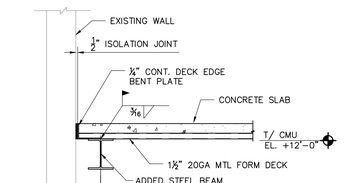


07 S203 SECTION
SCALE: 3/4"=1'-0"

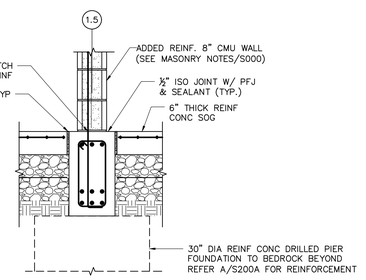


NOTE:
1. PROVIDE 5/8 ø PUDDLE WELD W/ WELD WASHER AT ALL OUTSIDE, INSIDE, AND PERIMETER DECK EDGES AT 6" O.C.
2. ADOPT THIS FASTENING PATTERN FOR ENTIRE DECK AREA UNLESS NOTED OTHERWISE.

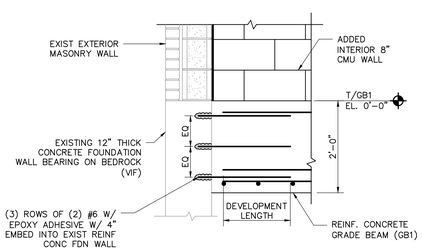
10 S203 METAL FORM DECK FASTENING PATTERN
SCALE: 3/4"=1'-0"



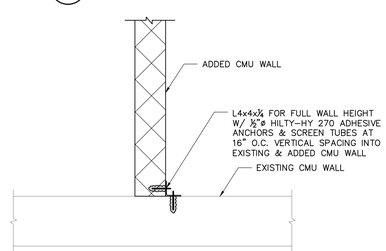
11 S203 SECTION
SCALE: 3/4"=1'-0"



12 S203 SECTION THRU GB1
SCALE: 3/4" = 1'-0"



13 S203 TYPICAL DETAIL OF EXISTING FOOTING TO ADDED FOOTING CONNECTION
SCALE: 3/4" = 1'-0"



14 S203 DETAIL
SCALE: 3/4"=1'-0"

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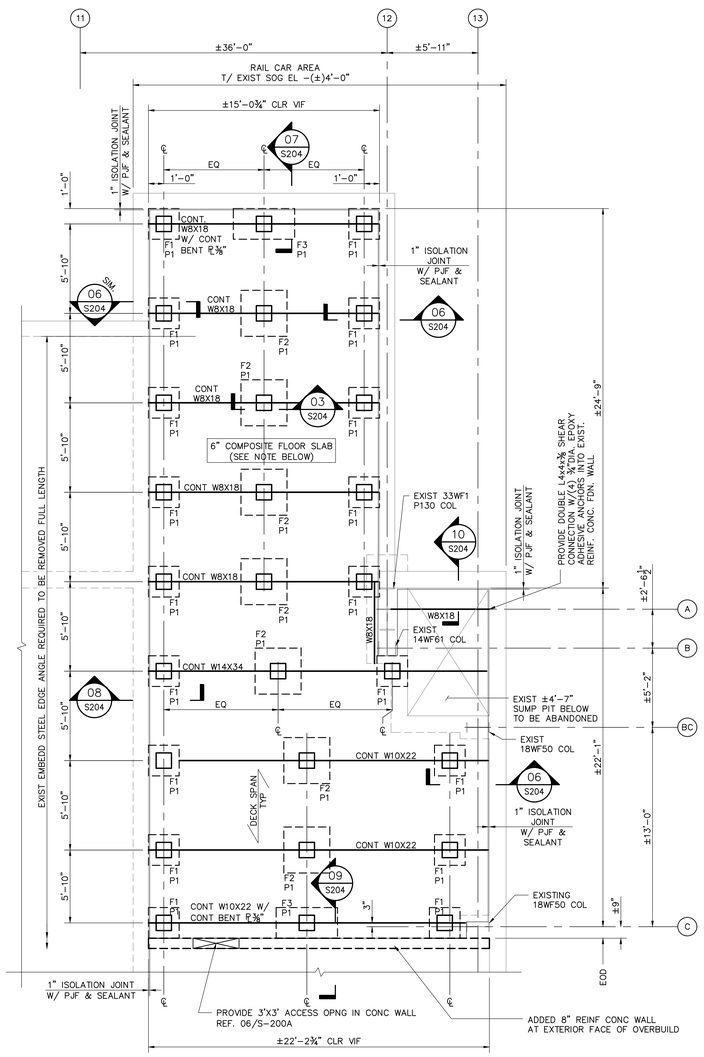
DWG. TITLE

ENLARGED PARTIAL PLANS & DETAILS - NORTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/25
SCALE	
DWN.	DSW
CHK.	TFW
PROJ. No.	432607
DWG. No.	

S203



01 S204 PARTIAL FOUNDATION / GROUND FLOOR FRAMING PLAN - NORTH

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

N

NOTES:

1. DATUM ELEVATION = +/-0'-0" WHICH CORRESPONDS TO THE EXISTING GROUND FLOOR FINISHED FLOOR ELEVATION (TOP OF EXISTING WOOD BLOCKS). POST CONSTRUCTION FINISHED FLOOR ELEVATION AT TOP OF EXISTING SLAB ON GRADE ELEVATION (+/-) -0'-2½" U.N.O. (VERIFY IN FIELD).
2. PROVIDE 4½" NORMAL WEIGHT CONCRETE OVER 1½"-50 KSI 20 GAGE COMPOSITE DECK W/6X6 – W2.9XW2.9 WWF (DECK W/MIN. I_d+ = 0.197 IN4/FT, I_d↓ = 0.217, S_e+ = 0.224, S_e- = 0.229 (TOTAL SLAB THICKNESS = 6") OVER ADDED FRAMING AS INDICATED ON PLAN. T/ ADDED SLAB SHALL MATCH WITH EXISTING ADJACENT TOP OF SLAB EL.



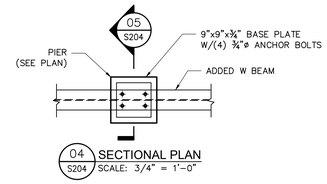
PIER P1

02 S204 TYPICAL DETAIL OF CONCRETE PIER REINFORCEMENT ARRANGEMENT

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

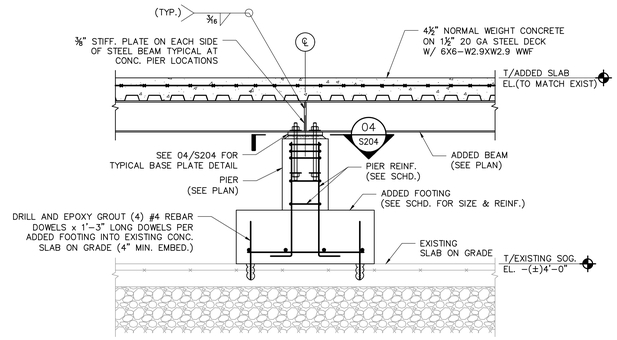
PIER SCHEDULE				
TYPE	DIMENSION	VERTICAL REINF. W/MATCHING DOWELS.	TIES	# OF SETS OF TIES
P1	12"x12"	(4) #6	#3 @ 10"	1

FOOTING SCHEDULE			
TYPE	DIMENSION (LxW)	DEPTH	REINFORCEMENT EACH WAY, BOTTOM
F1	2'-0" x 2'-0"	1'-2"	(3) #5
F2	3'-0" x 3'-0"	1'-2"	(4) #5
F3	2'-0" x 4'-0"	1'-2"	(3) #5 – LONG BARS (5) #5 – SHORT BARS



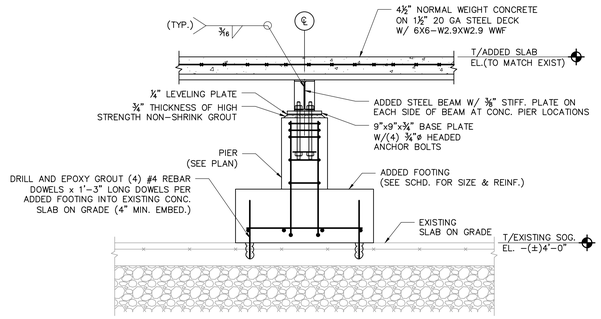
04 S204 SECTIONAL PLAN

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



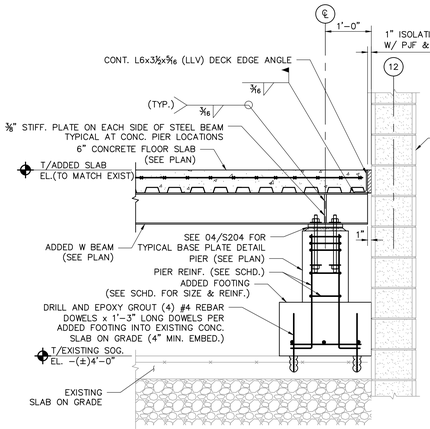
03 S204 TYPICAL SECTION THROUGH ADDED FOUNDATION

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



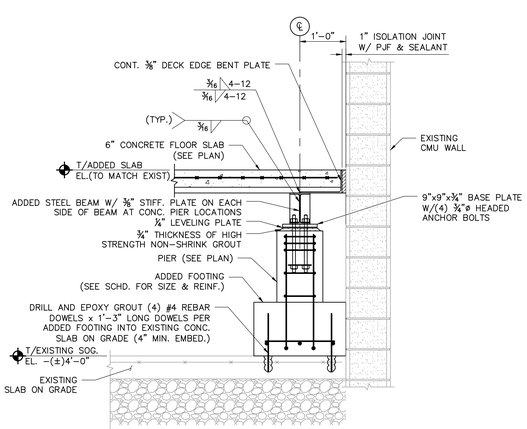
05 S204 SECTION

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



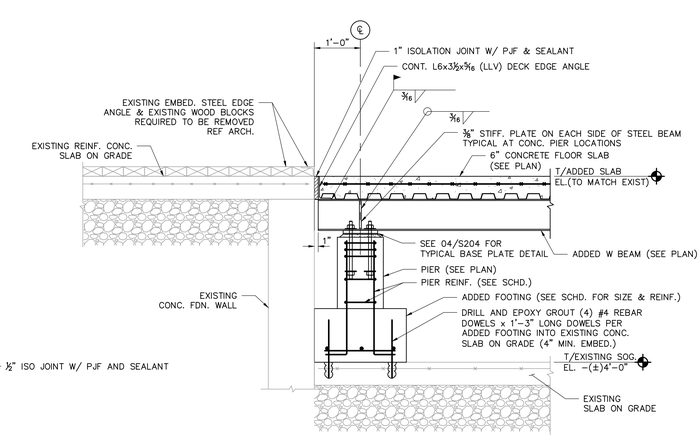
06 S204 TYPICAL SECTION THROUGH ADDED FOUNDATION

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



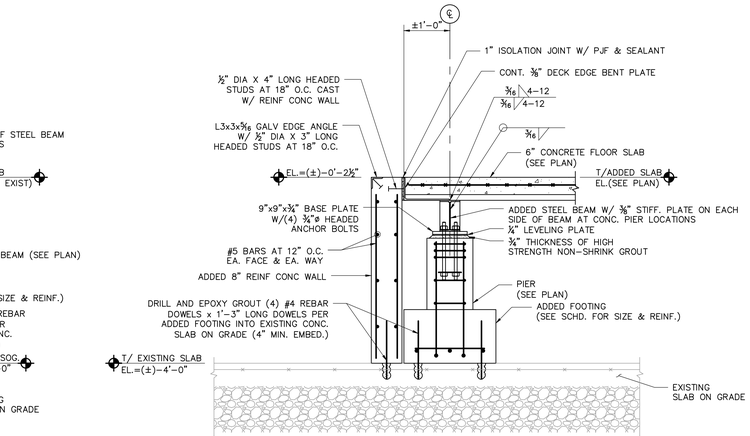
07 S204 SECTION

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



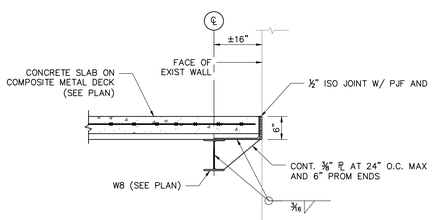
08 S204 SECTION

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



09 S204 SECTION

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



10 S204 SECTION

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

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DWG. TITLE

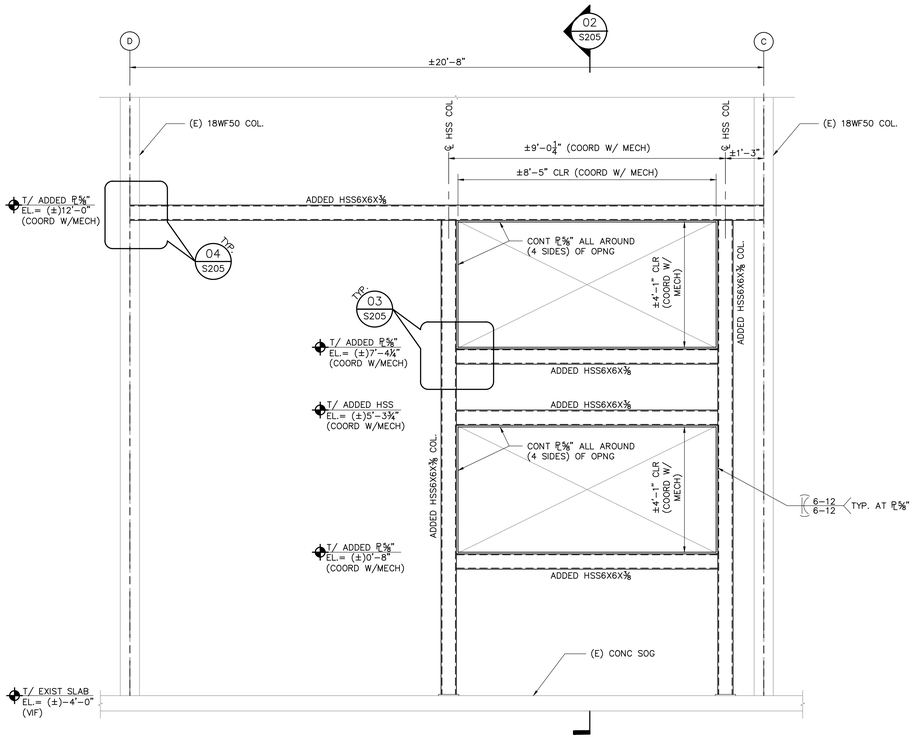
ENLARGED PARTIAL FOUNDATION / GROUND FLOOR FRAMING PLANS

0 1" 2"

GENERIC SCALE BAR

SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

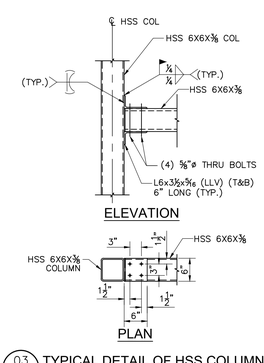
DATE	06/27/25
SCALE	
DWN.	DSW
CHK.	TFW
PROJ. No.	432607
DWG. No.	**S204**



01 S205 ADDED STEEL FRAMING FOR ADDED MECHANICAL LOUVER

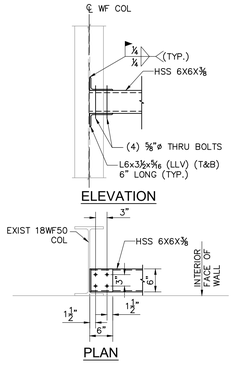
SCALE: 1/2"=1'-0"

DATUM ELEVATION = +/-0'-0" WHICH CORRESPONDS TO THE EXISTING GROUND FLOOR FINISHED FLOOR ELEVATION (TOP OF WOOD BLOCKS). POST CONSTRUCTION FINISHED FLOOR ELEVATION AT TOP OF EXISTING SLAB ON GRADE ELEVATION (+/-) -0'-2½" (VERIFY IN FIELD).



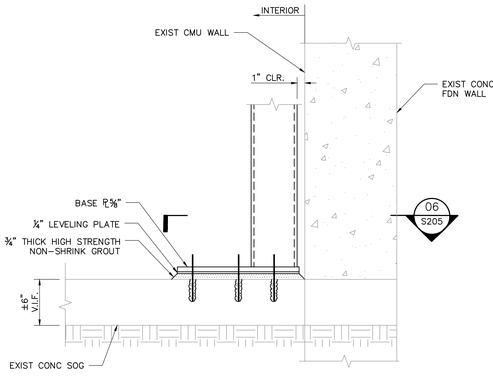
03 S205 TYPICAL DETAIL OF HSS COLUMN TO HSS HORIZONTAL STRUT CONNECTION

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



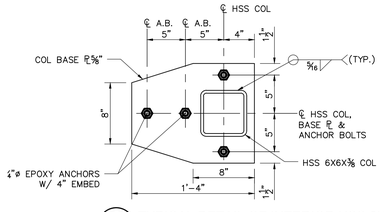
04 S205 TYPICAL DETAIL OF EXIST WF COLUMN TO HSS HORIZONTAL STRUT CONNECTION

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



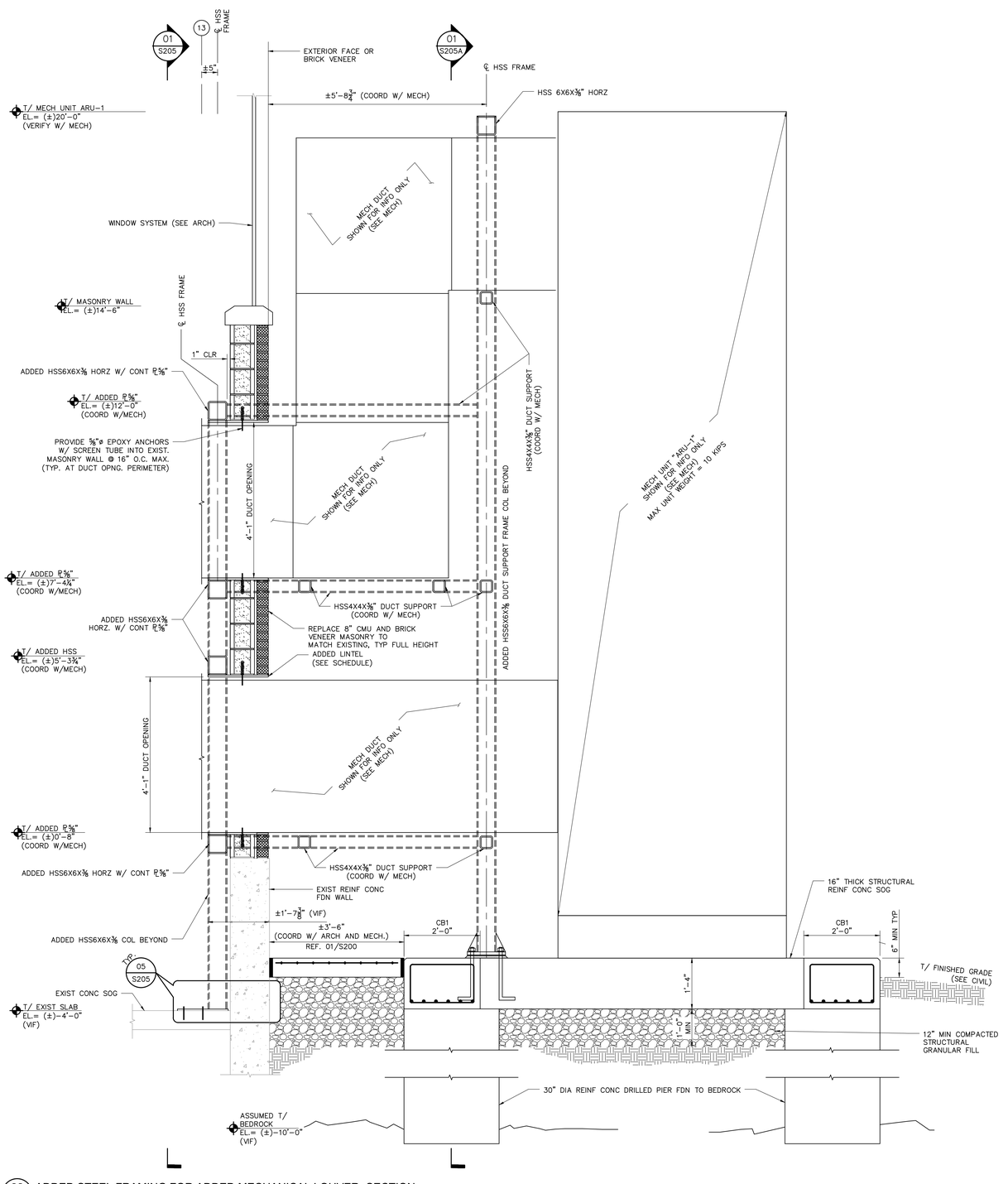
05 S205 ENLARGED DETAIL OF COLUMN BASE PLATE

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



06 S205 TYPICAL DETAIL OF INTERIOR HSS 6X6 COLUMN BASE PLATE

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



02 S205 ADDED STEEL FRAMING FOR ADDED MECHANICAL LOUVER- SECTION

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

DATUM ELEVATION = +/-0'-0" WHICH CORRESPONDS TO THE EXISTING GROUND FLOOR FINISHED FLOOR ELEVATION (TOP OF WOOD BLOCKS). POST CONSTRUCTION FINISHED FLOOR ELEVATION AT TOP OF EXISTING SLAB ON GRADE ELEVATION (+/-) -0'-2½" (VERIFY IN FIELD).

NOTES:
1. ALL STRUCTURAL STEEL SHOWN SHALL BE G90 HOT DIPPED GALVANIZED.
2. COORDINATE WITH MECHANICAL AND FIELD VERIFY FOR LOCATIONS AND ELEVATIONS OF ALL MECHANICAL DUST SUPPORT STEEL FRAMING.

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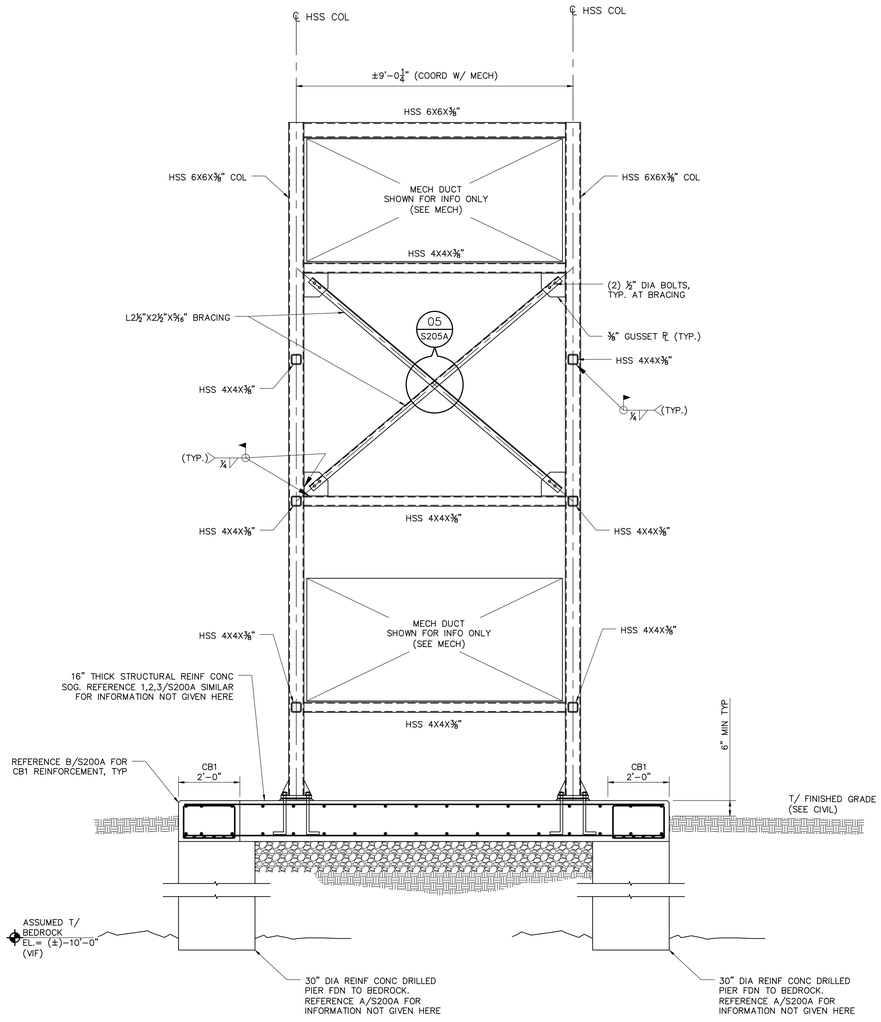
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DWG. TITLE

ADDED MECHANICAL SUPPORT FRAMING

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/25
SCALE	
DWN.	DSW
CHK.	TFW
PROJ. No.	432607
DWG. No.	**S205**

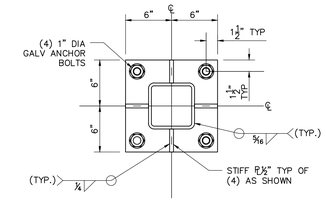


01 S205A **ADDED EXTERIOR DUCT SUPPORT FRAME ELEVATION**

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

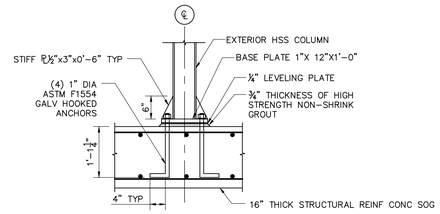
DATUM ELEVATION = +/-0'-0" WHICH CORRESPONDS TO THE EXISTING GROUND FLOOR FINISHED FLOOR ELEVATION (TOP OF WOOD BLOCKS). POST CONSTRUCTION FINISHED FLOOR ELEVATION AT TOP OF EXISTING SLAB ON GRADE ELEVATION (+/-) -0'-2½" (VERIFY IN FIELD).

NOTES:
1. ALL STRUCTURAL STEEL SHOWN SHALL BE G90 HOT DIPPED GALVANIZED.
2. COORDINATE WITH MECHANICAL AND FIELD VERIFY FOR LOCATIONS AND ELEVATIONS OF ALL MECHANICAL DUST SUPPORT STEEL FRAMING.



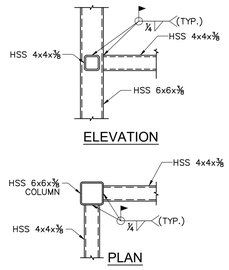
02 S205A **TYPICAL DETAIL OF EXTERIOR HSS 6X6 COLUMN BASE PLATE AT MECH DUCT SUPPORT FRAME**

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



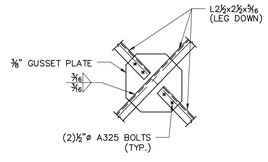
03 S205A **TYPICAL DETAIL OF EXTERIOR HSS 6X6 COLUMN BASE PLATE AT MECH DUCT SUPPORT FRAME**

SCALE: 3/4 = 1'-0"



04 S205A **TYPICAL DETAIL OF HSS COLUMN TO HSS BEAM CONNECTION**

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



05 S205A **DETAIL**

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

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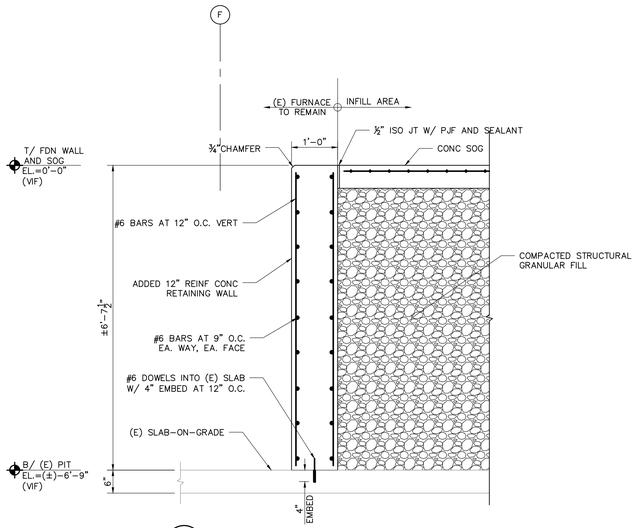
DWG. TITLE

ADDED MECHANICAL SUPPORT FRAMING

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

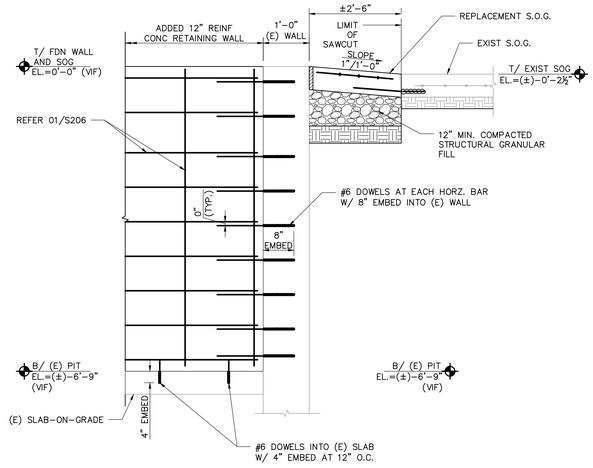
DATE 06/27/25
SCALE
DWN. DSW CHK. TFW
PROJ. No. 432607
DWG. No.

S205A



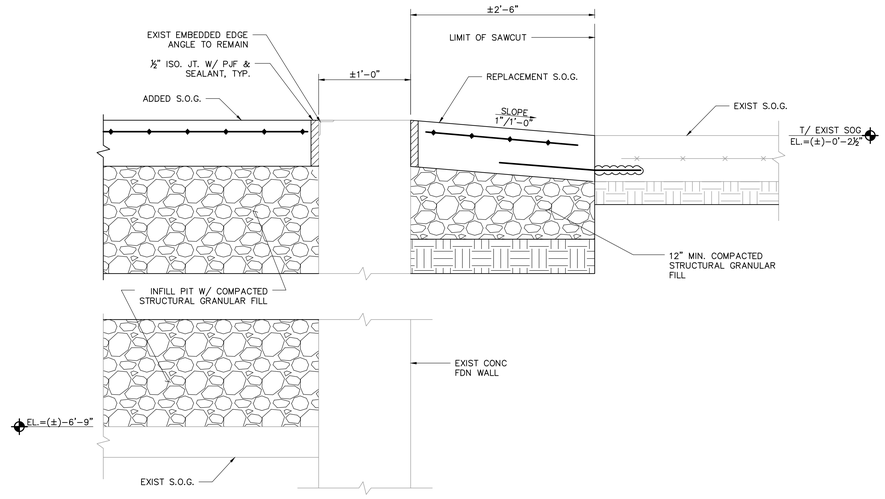
01 S206 SECTION THROUGH ADDED REINFORCED CONCRETE RETAINING WALL

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



02 S206 ANCHORAGE SECTION FOR ADDED REINFORCED CONCRETE WALL TO EXISTING WALL

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



03 S206 SECTION AT PIT INFILL

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

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FURNACE INFILL AND REINFORCED CONCRETE RETAINING WALL SECTIONS

0 1" 2"

GENERIC SCALE BAR

SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25

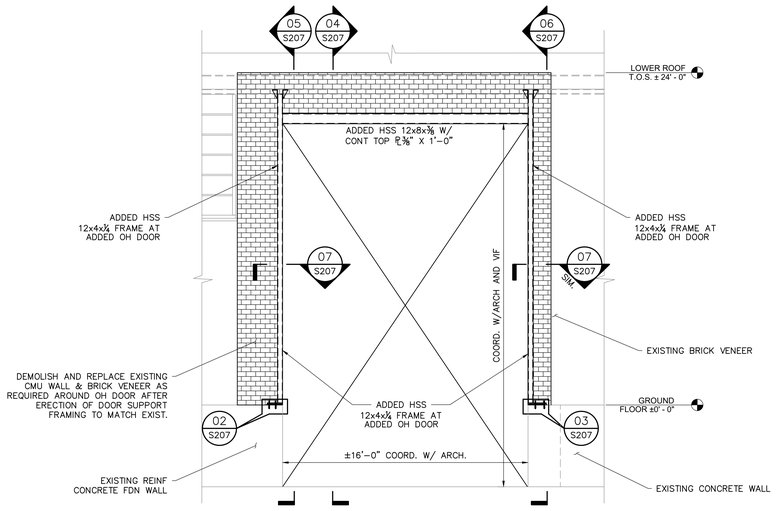
SCALE

DWN. DSW CHK. TFW

PROJ. No. 432607

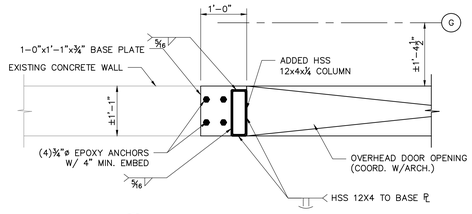
DWG. No.

S206



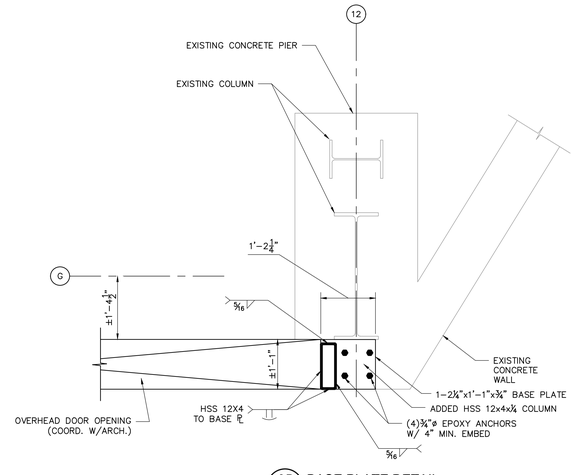
01 S207 PARTIAL WEST ELEVATION AT OVERHEAD DOOR LOCATION
SCALE: 1/4" = 1'-0"

NOTE: ALL STRUCTURAL STEEL, BOLTS, AND ANCHORS SHOWN FOR ADDED OVERHEAD DOOR SUPPORT FRAME SYSTEM SHALL BE HOT DIPPED GALVANIZED.



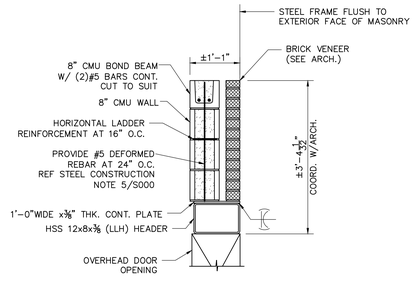
02 S207 BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"

NOTE: ALL STRUCTURAL STEEL, BOLTS, AND ANCHORS SHOWN FOR ADDED OVERHEAD DOOR SUPPORT FRAME SYSTEM SHALL BE HOT DIPPED GALVANIZED.



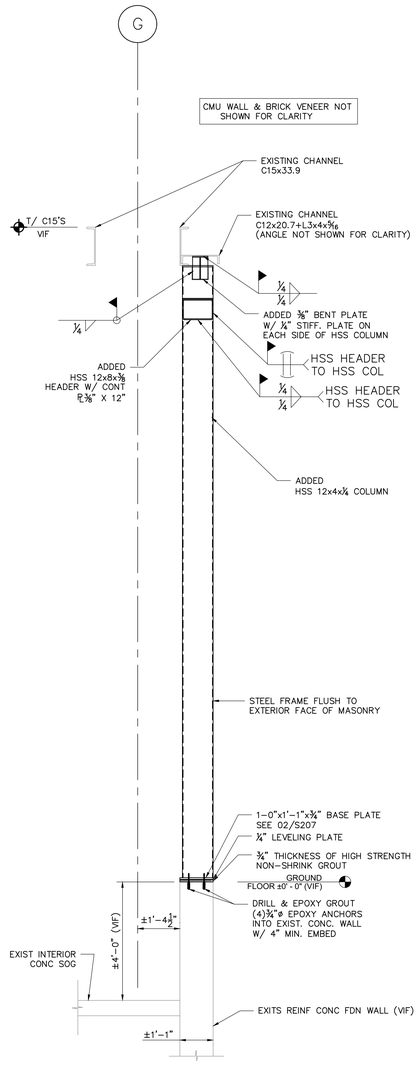
03 S207 BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"

NOTE: ALL STRUCTURAL STEEL, BOLTS, AND ANCHORS SHOWN FOR ADDED OVERHEAD DOOR SUPPORT FRAME SYSTEM SHALL BE HOT DIPPED GALVANIZED.



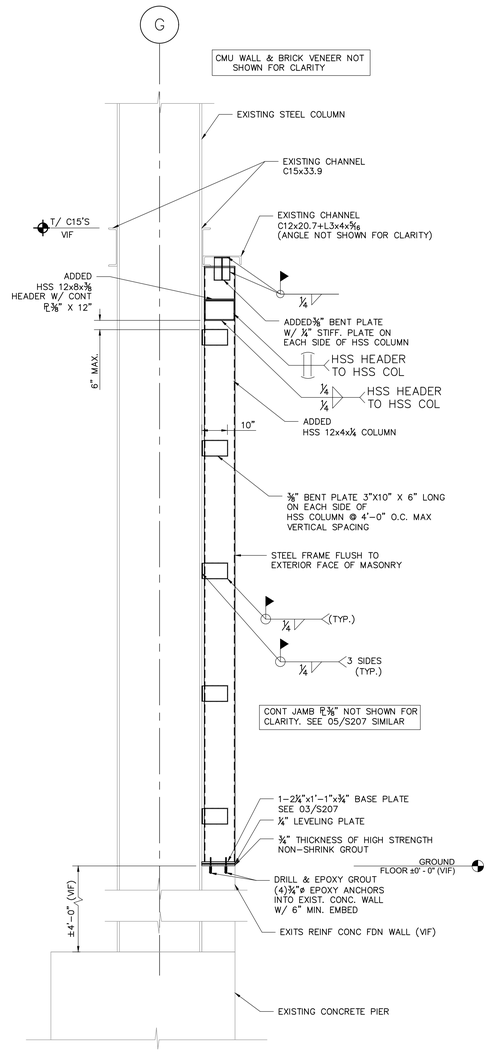
04 S207 TYPICAL DETAIL OF CMU WALL ABOVE THE HSS LINTEL FOR OVERHEAD DOOR
SCALE: 3/4" = 1'-0"

NOTE: ALL STRUCTURAL STEEL, BOLTS, AND ANCHORS SHOWN FOR ADDED OVERHEAD DOOR SUPPORT FRAME SYSTEM SHALL BE HOT DIPPED GALVANIZED.



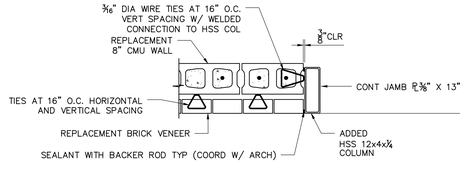
05 S207 SECTION
SCALE: 1/2" = 1'-0"

NOTE: ALL STRUCTURAL STEEL, BOLTS, AND ANCHORS SHOWN FOR ADDED OVERHEAD DOOR SUPPORT FRAME SYSTEM SHALL BE HOT DIPPED GALVANIZED.



06 S207 SECTION
SCALE: 1/2" = 1'-0"

NOTE: ALL STRUCTURAL STEEL, BOLTS, AND ANCHORS SHOWN FOR ADDED OVERHEAD DOOR SUPPORT FRAME SYSTEM SHALL BE HOT DIPPED GALVANIZED.



07 S207 TYPICAL DETAIL OF ADDED HSS COLUMN AT OVERHEAD DOOR
SCALE: 3/4" = 1'-0"

NOTE: ALL STRUCTURAL STEEL, BOLTS, AND ANCHORS SHOWN FOR ADDED OVERHEAD DOOR SUPPORT FRAME SYSTEM SHALL BE HOT DIPPED GALVANIZED.

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DWG. TITLE

PARTIAL ELEVATION & DETAILS REPLACEMENT OF OVER HEAD DOOR IN THE EXTERIOR WEST WALL

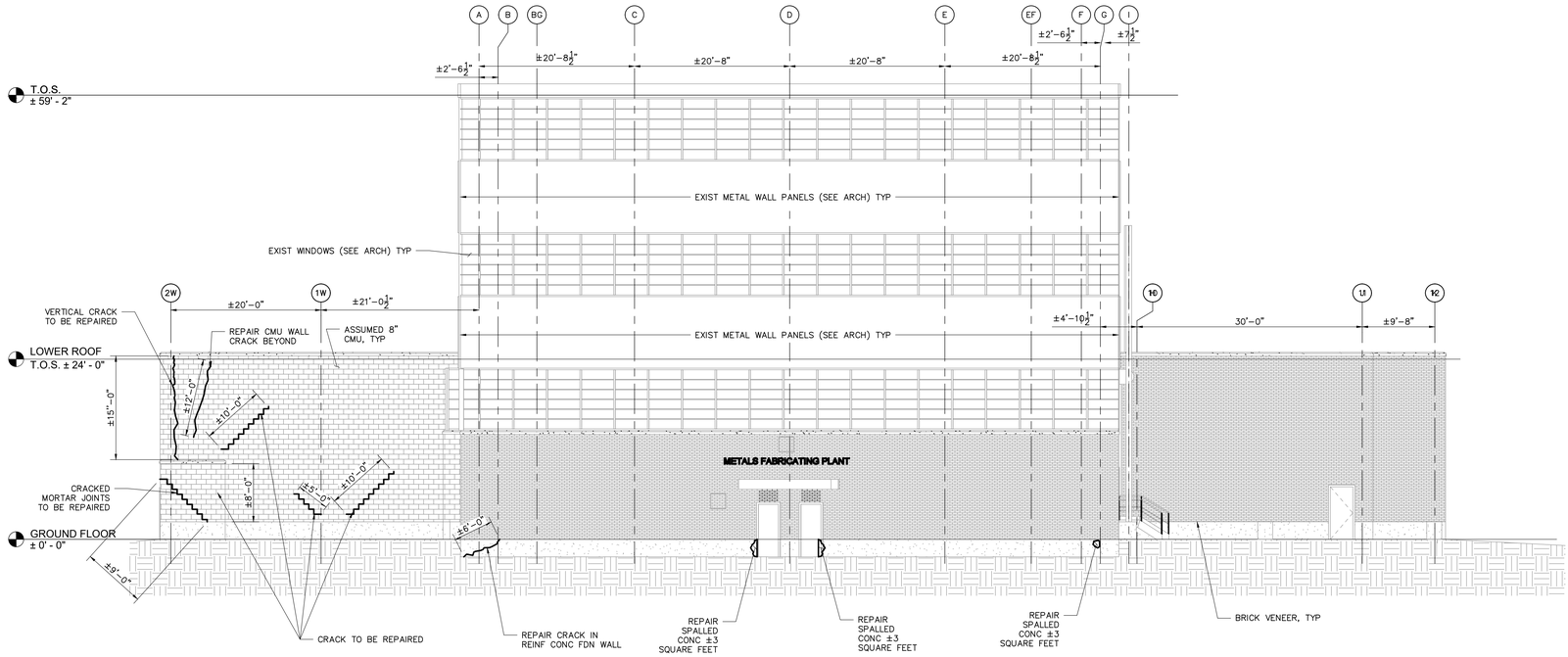
0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
DWN. DSW CHK. TFW
PROJ. No. 432607
DWG. No.

S207

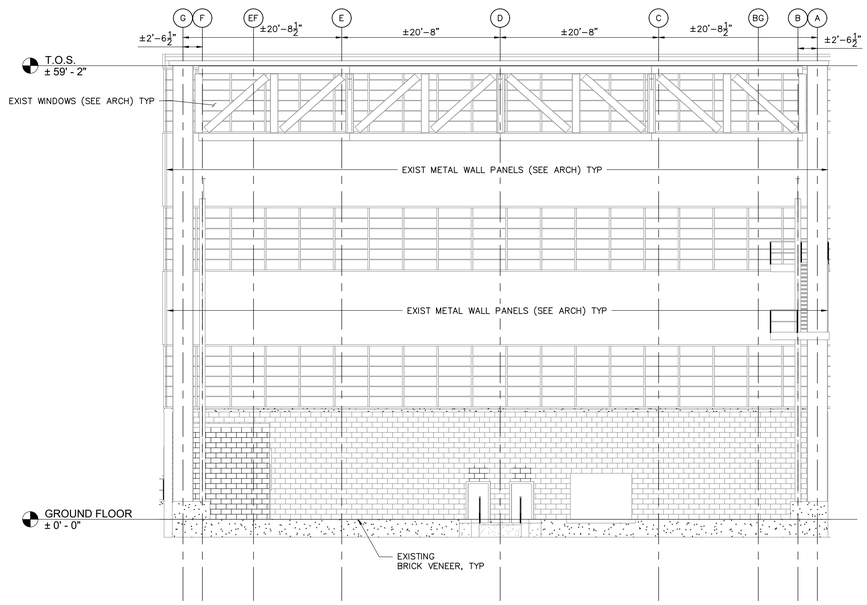
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REFERENCE EXISTING MASONRY REPAIR NOTES ON S000 & SPECIFICATION SECTION 040120.63 FOR ADDITIONAL REPAIR INFORMATION.



01 S301 NORTH EXTERIOR WALL ELEVATION - MASONRY REPAIR
SCALE: 1/8"=1'-0"

NOTES:
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2. ALL MASONRY REPAIRS SHALL BE PROVIDED TO MATCH THE EXISTING.
3. COORDINATE ADDITIONAL MASONRY REPAIR AND REPLACEMENT REQUIREMENTS WITH ARCHITECT



02 S301 NORTH INTERIOR WALL ELEVATION - MASONRY REPAIR (PROVIDED FOR INFORMATION ONLY)
SCALE: 1/8"=1'-0"

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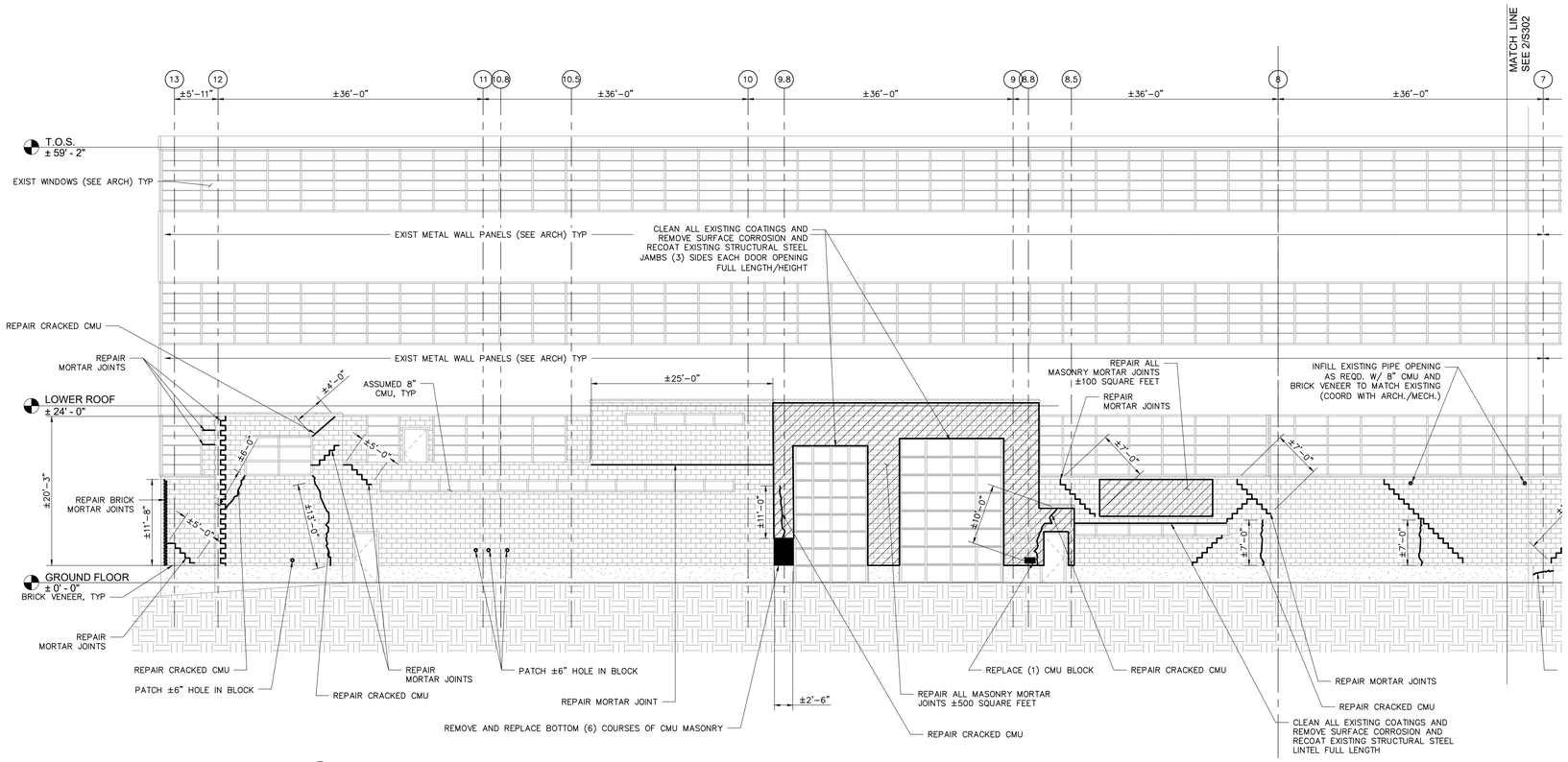
DWG. TITLE

NORTH EXTERIOR & INTERIOR ELEVATIONS MASONRY REPAIR

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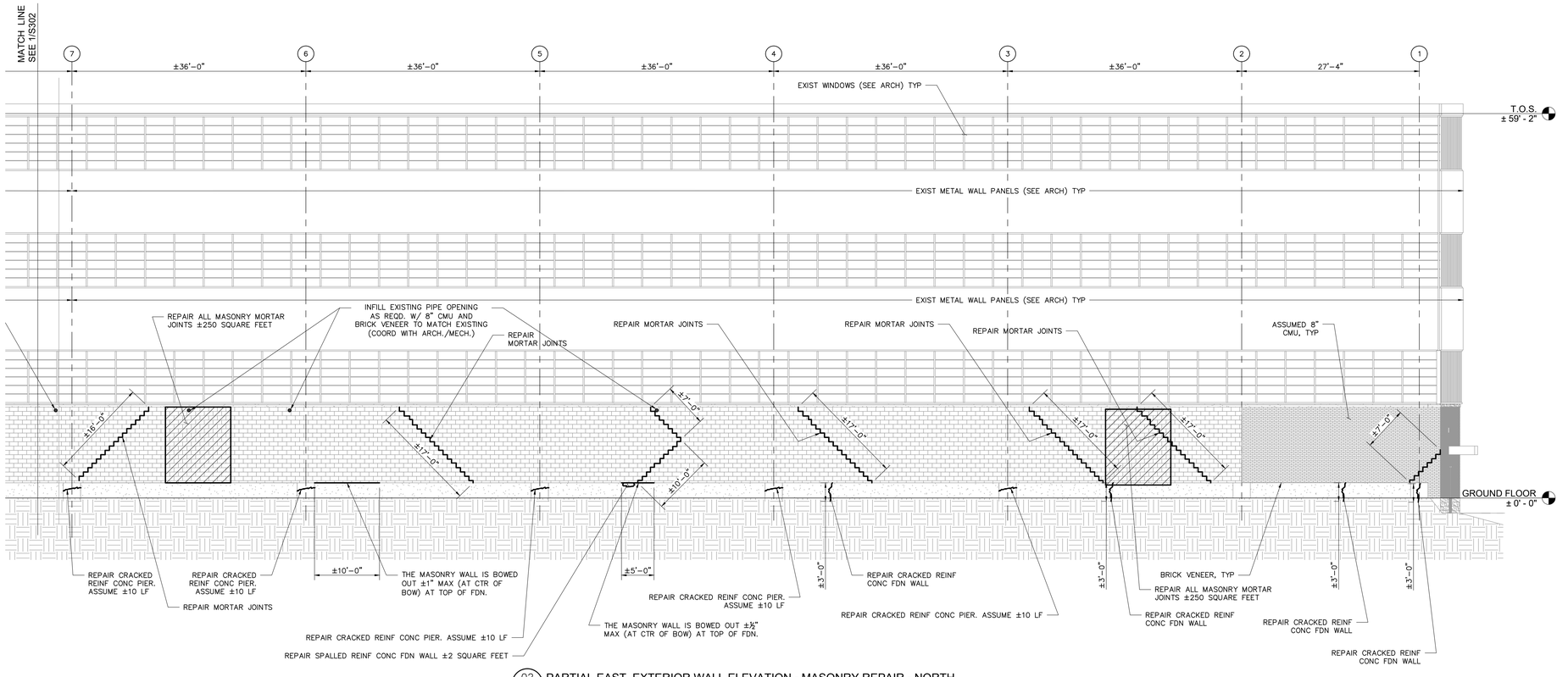
S301



01 S302 PARTIAL EAST EXTERIOR WALL ELEVATION - MASONRY REPAIR - SOUTH

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

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2. ALL MASONRY REPAIRS SHALL BE PROVIDED TO MATCH THE EXISTING.
3. COORDINATE ADDITIONAL MASONRY REPAIR AND REPLACEMENT REQUIREMENTS WITH ARCHITECT



02 S302 PARTIAL EAST EXTERIOR WALL ELEVATION - MASONRY REPAIR - NORTH

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

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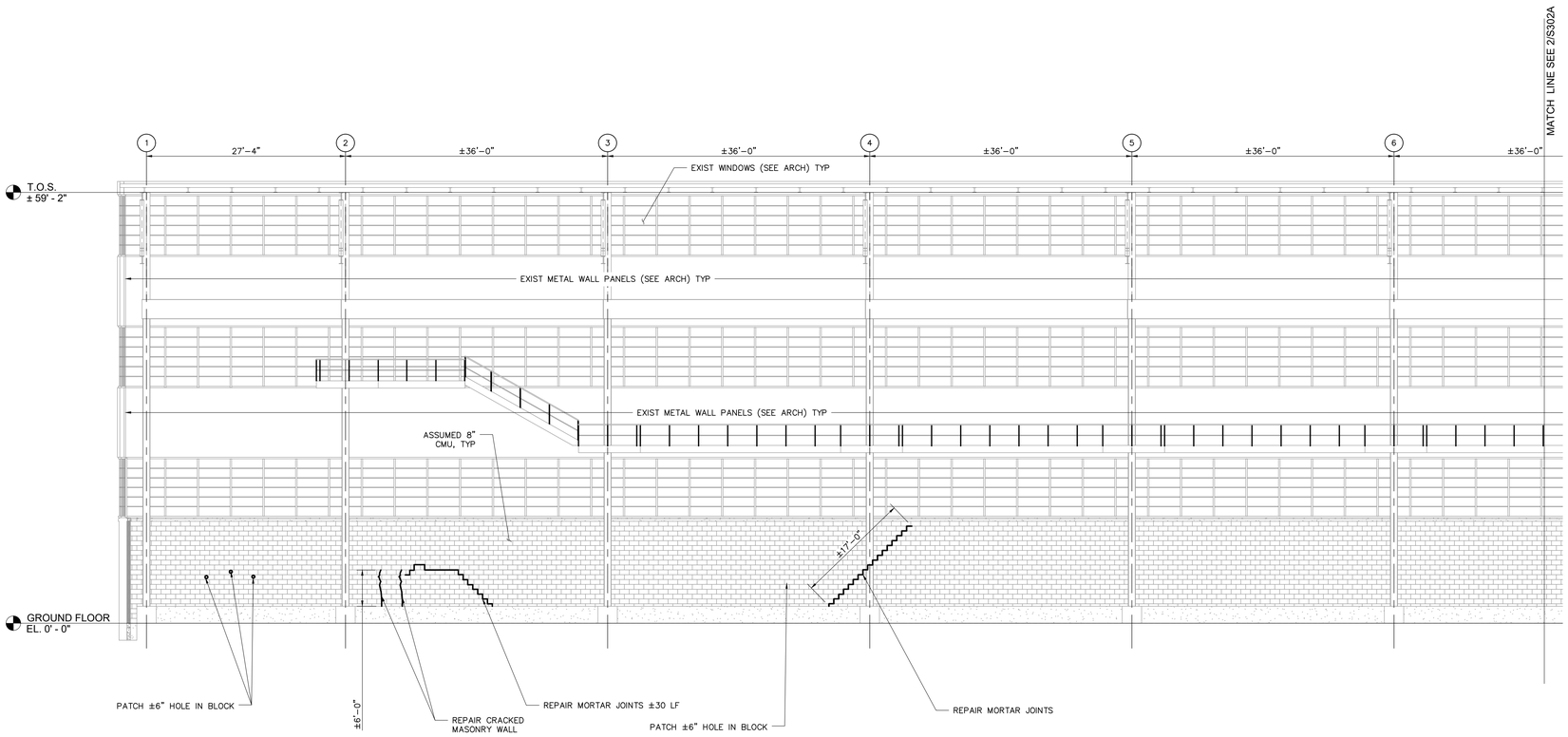
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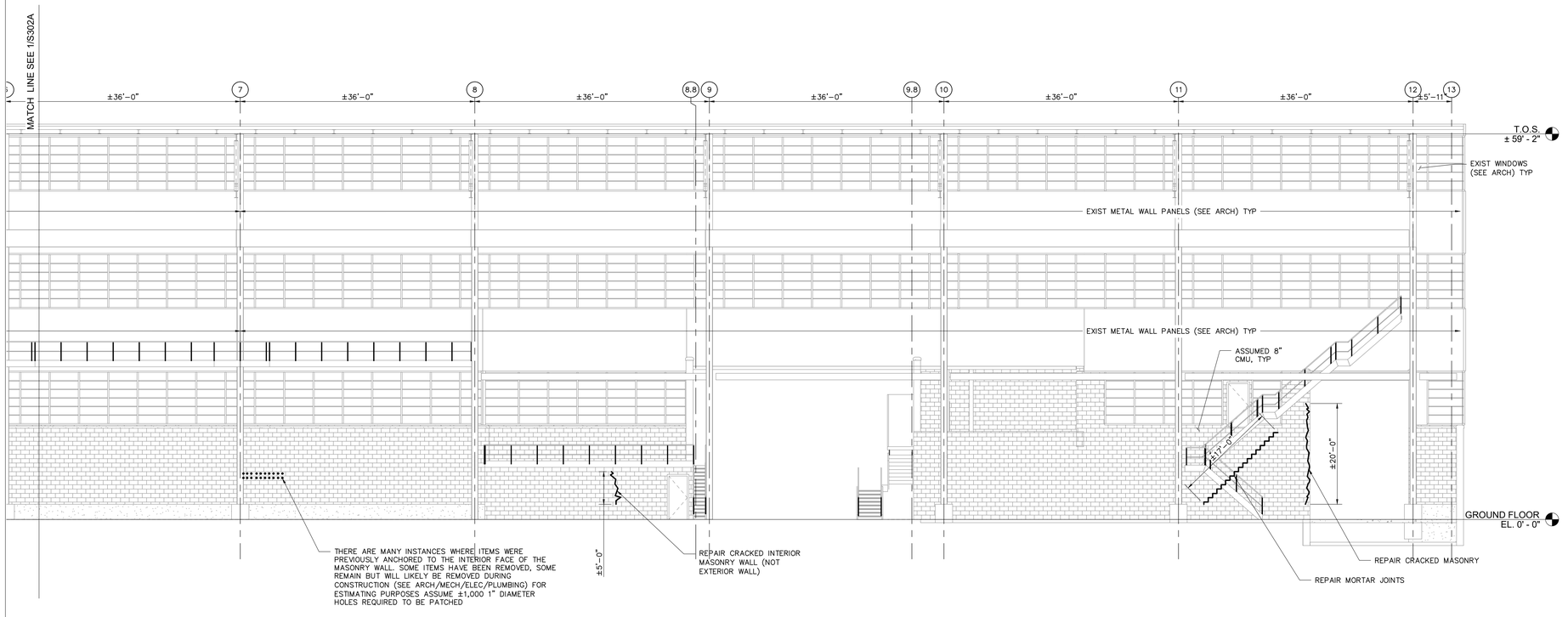
DATE 06/27/25
SCALE
DWN. DSW CHK. TFW
PROJ. No. 432607
DWG. No.

S302



01 S302A PARTIAL EAST INTERIOR WALL ELEVATION - MASONRY REPAIR - SOUTH
SCALE: 1/8"=1'–0"

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3. COORDINATE ADDITIONAL MASONRY REPAIR AND REPLACEMENT REQUIREMENTS WITH ARCHITECT
4. LOCATIONS AND QUANTITIES OF MASONRY REPAIRS SHOWN ARE APPROXIMATE. FIELD VERIFY ALL CONDITIONS PRIOR TO STARTING WORK.



02 S302A PARTIAL EAST INTERIOR WALL ELEVATION - MASONRY REPAIR - NORTH
SCALE: 1/8"=1'–0"

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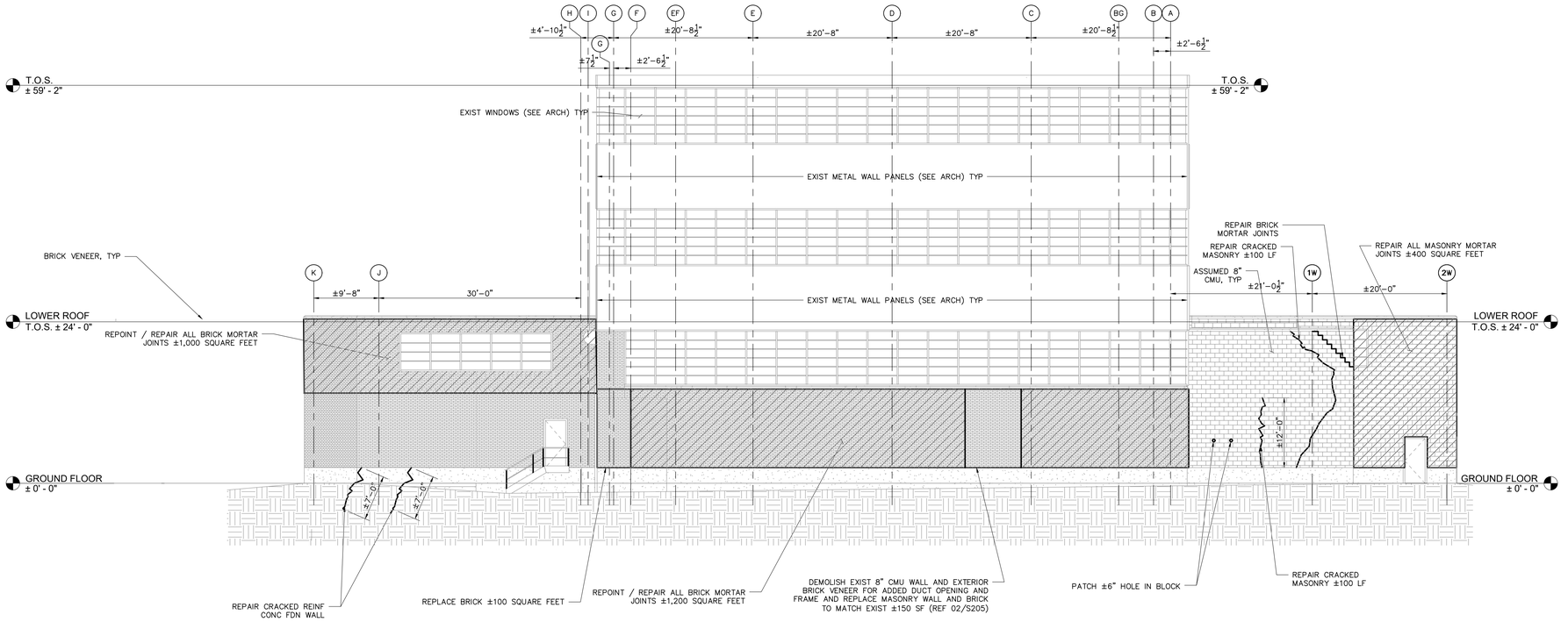
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EAST INTERIOR ELEVATION MASONRY REPAIR

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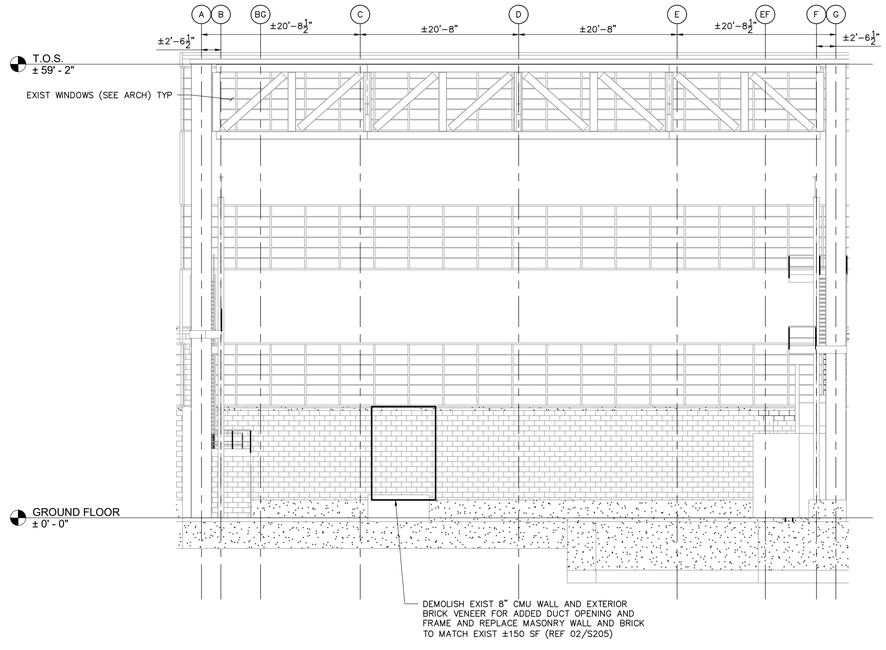
S302A



01 / S303 SOUTH EXTERIOR WALL ELEVATION - MASONRY REPAIR

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

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02 / S303 SOUTH INTERIOR WALL ELEVATION - MASONRY REPAIR

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

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SOUTH EXTERIOR & INTERIOR ELEVATIONS MASONRY REPAIR

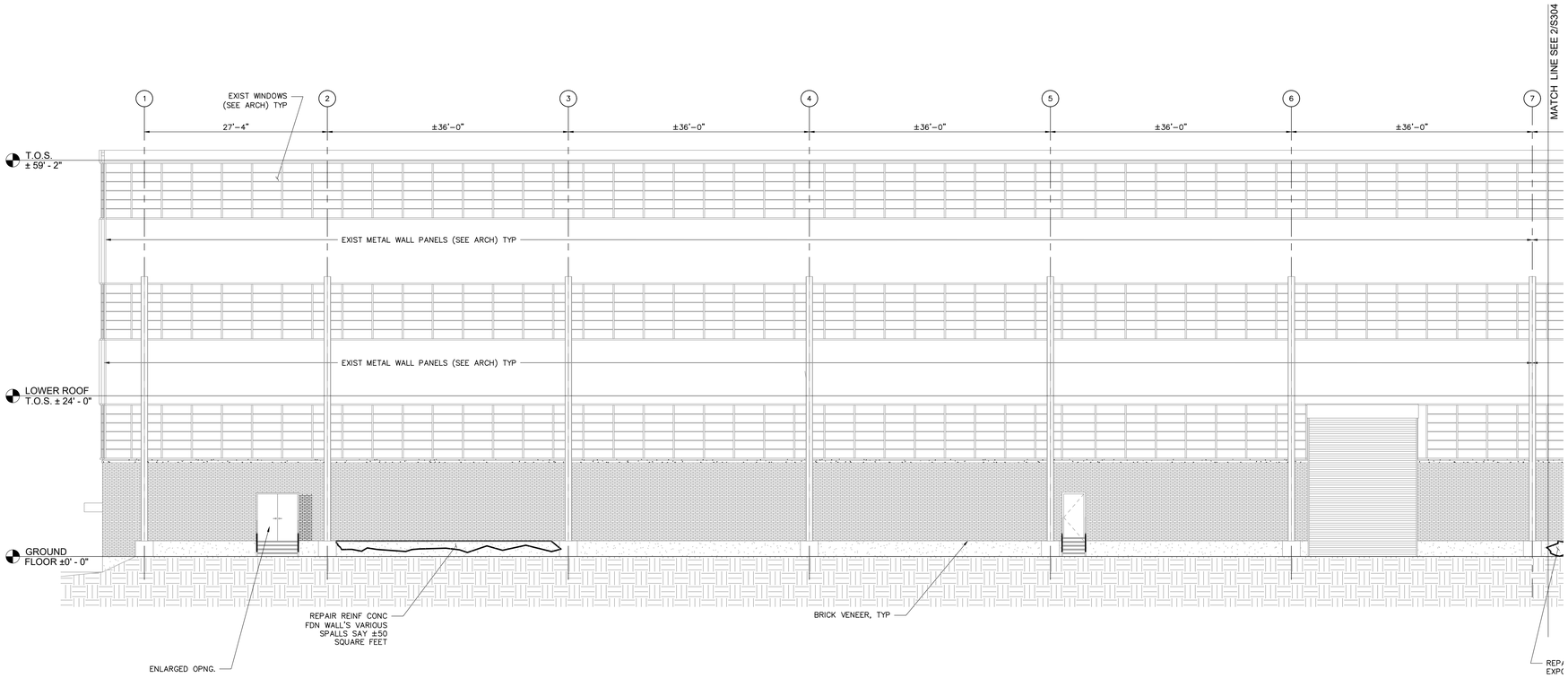
0 1" 2"
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S303

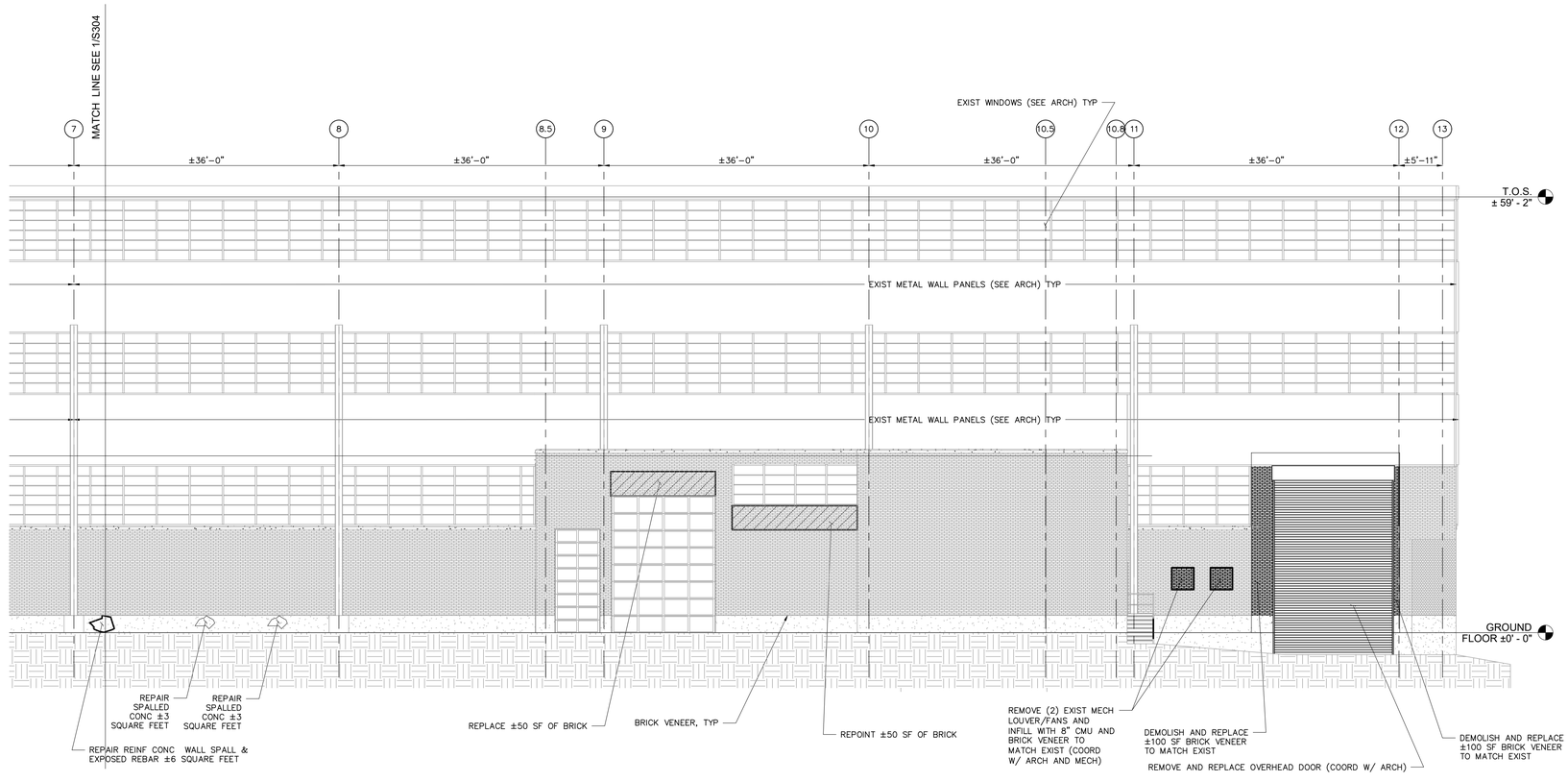
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01 / S304 PARTIAL WEST EXTERIOR WALL ELEVATION - MASONRY REPAIR - NORTH
SCALE: 1/8"=1'-0"

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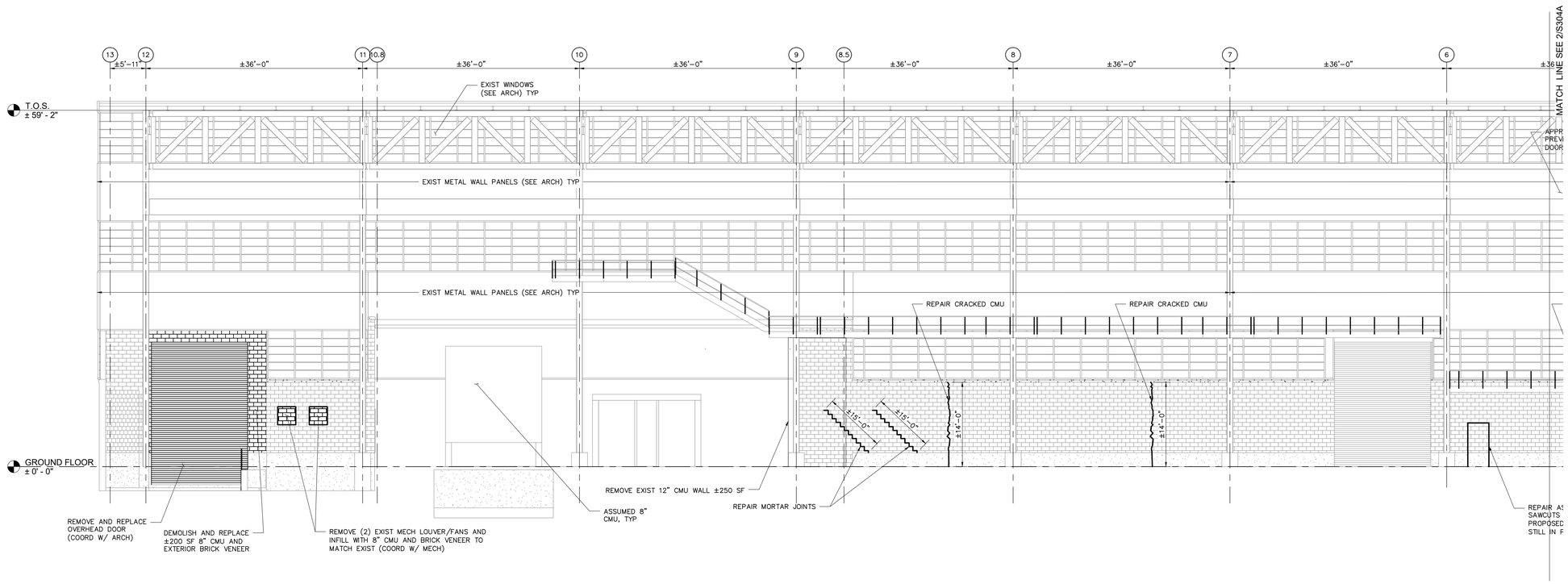
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WEST EXTERIOR ELEVATION MASONRY REPAIR

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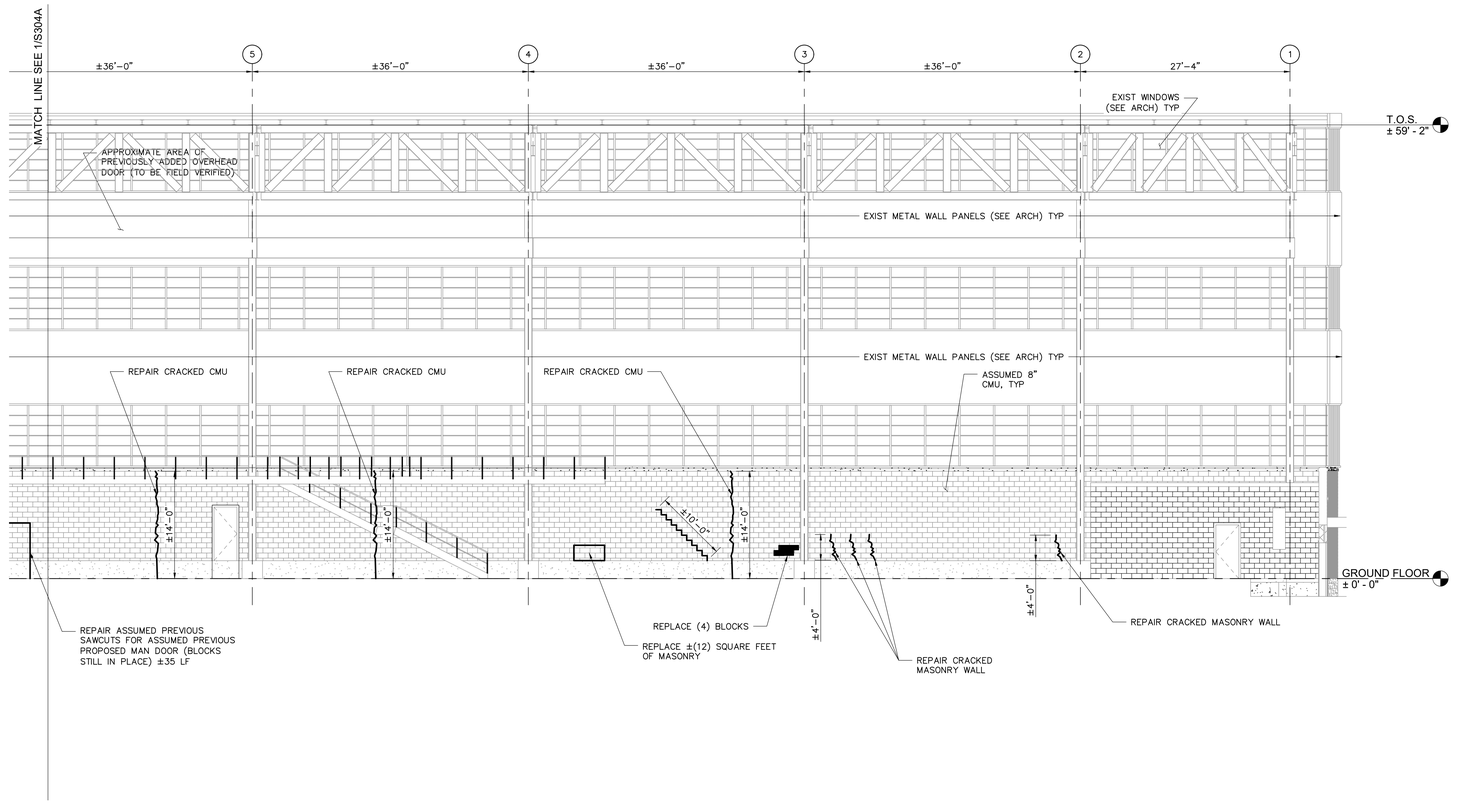
DATE	06/27/25
SCALE	
DWN. DSW	CHK. TFW
PROJ. No.	432607
DWG. No.	S304



01 S304A PARTIAL WEST INTERIOR WALL ELEVATION - MASONRY REPAIR - NORTH

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

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02 S304A PARTIAL WEST INTERIOR WALL ELEVATION - MASONRY REPAIR - SOUTH

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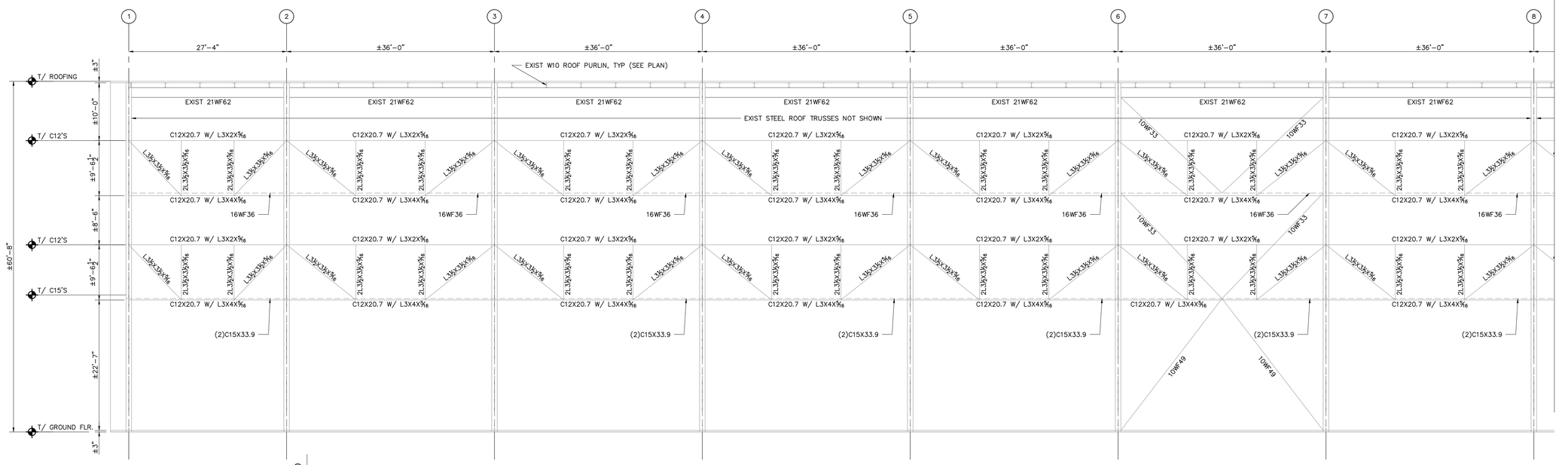
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PROJ. No. 432607
DWG. No.

S304A

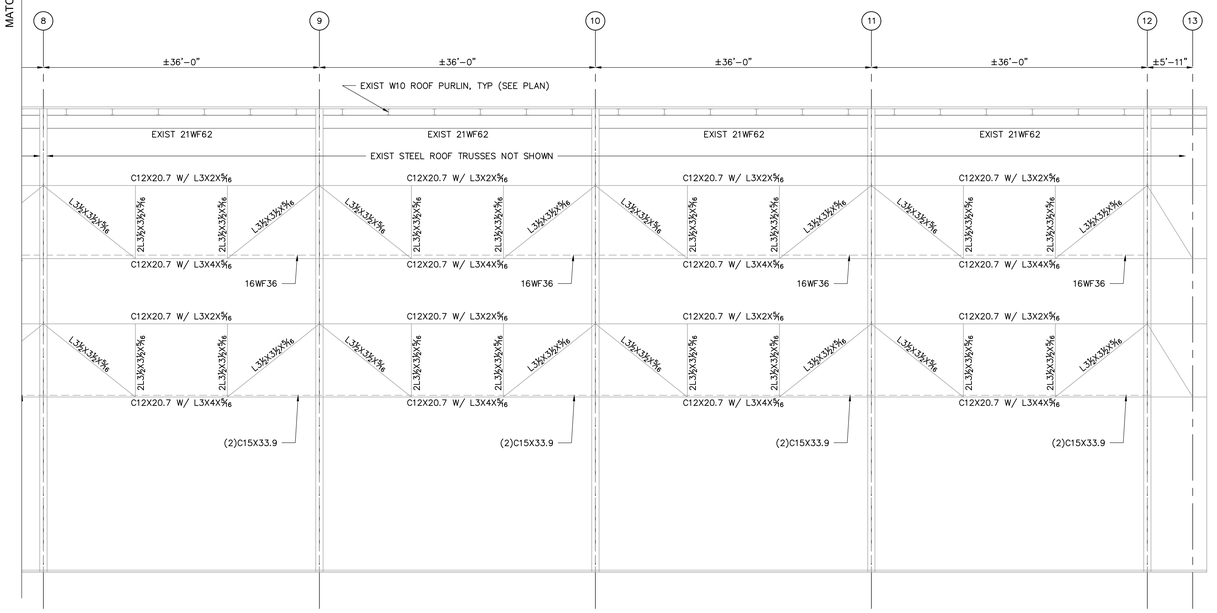


01 S400 PARTIAL EAST ELEVATION - STRUCTURAL STEEL FRAMING (PROVIDED FOR INFORMATION ONLY U.N.O.)

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

NOTE: ALL INFO SHOWN HERE SHALL BE CONSIDERED EXISTING UNLESS NOTED OTHERWISE.

MATCH LINE SEE 01/S400



02 S400 PARTIAL EAST ELEVATION - STRUCTURAL STEEL FRAMING (PROVIDED FOR INFORMATION ONLY U.N.O.)

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

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Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION

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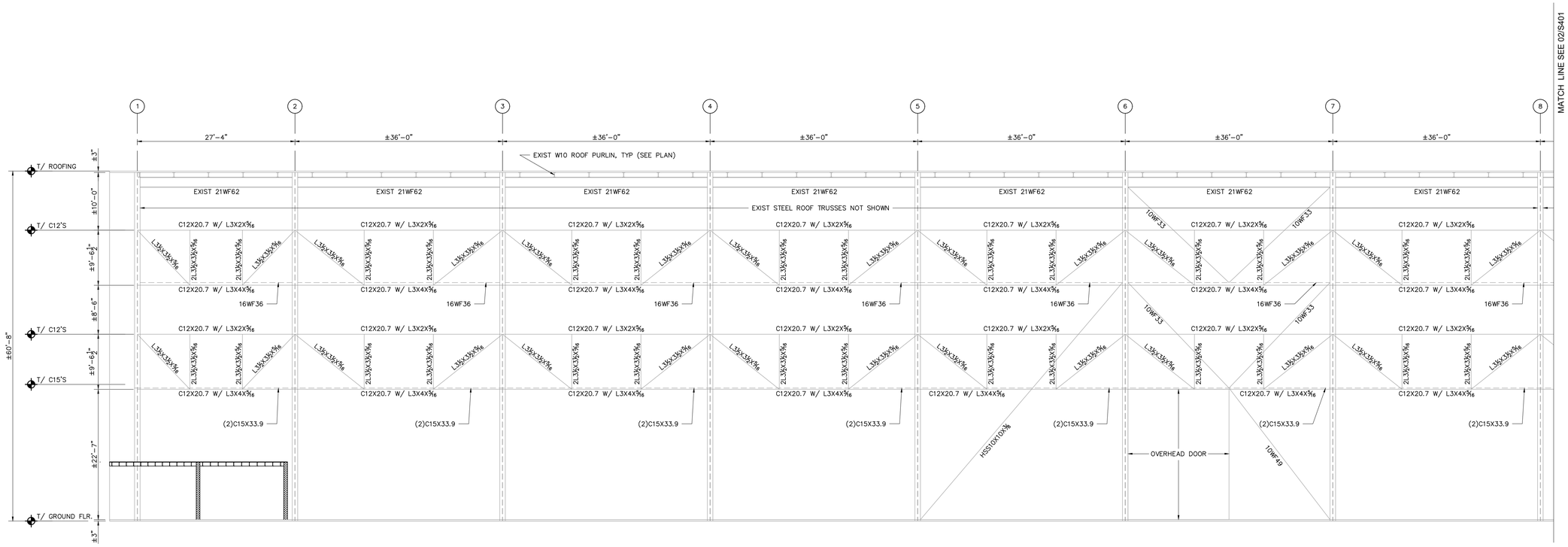
NO.	REVISIONS	DATE
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00	ISSUED FOR BID	10/1/25

DWG. TITLE

STRUCTURAL STEEL FRAMING - EAST ELEVATION

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

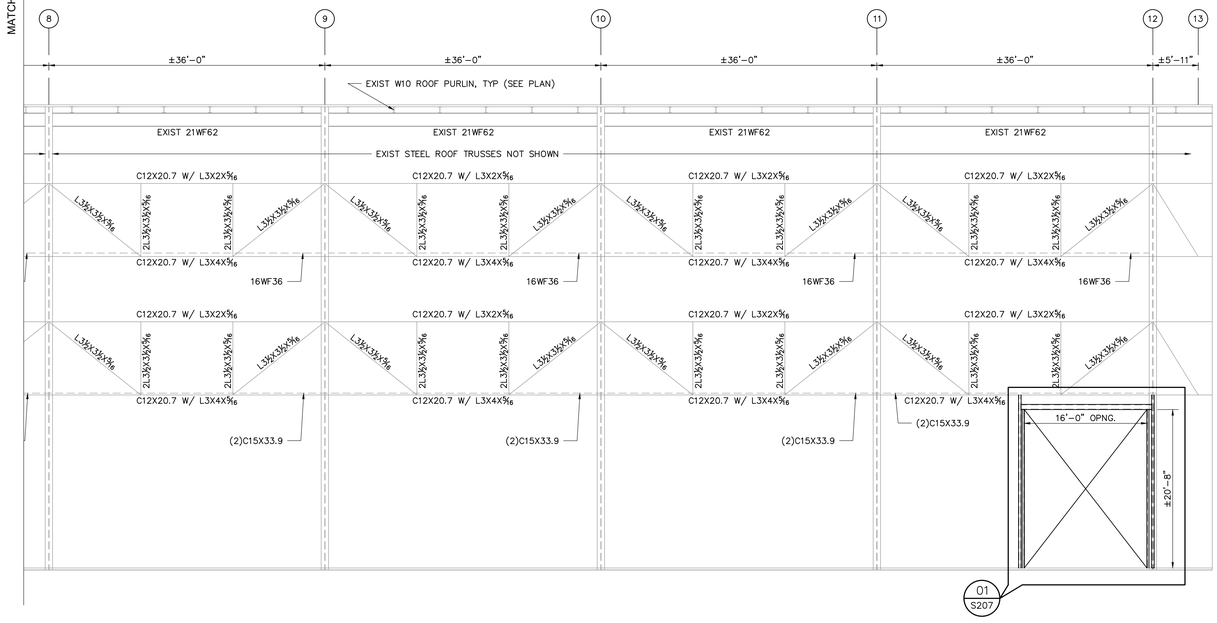
DATE	06/27/25
SCALE	
DWN.	DSW
CHK.	TFW
PROJ. No.	432607
DWG. No.	**S400**



01 / S401 PARTIAL WEST ELEVATION - STRUCTURAL STEEL FRAMING (PROVIDED FOR INFORMATION ONLY U.N.O.)

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

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02 / S401 PARTIAL WEST ELEVATION - STRUCTURAL STEEL FRAMING (PROVIDED FOR INFORMATION ONLY U.N.O.)

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

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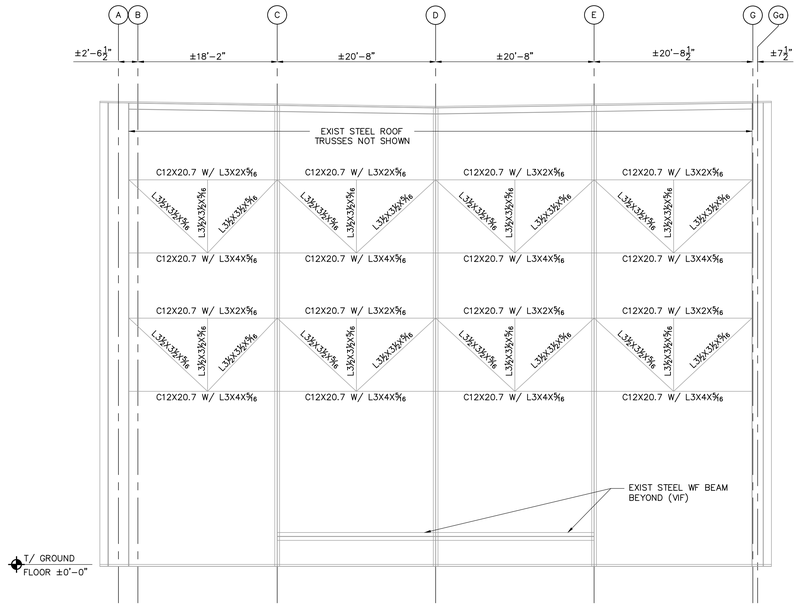
DWG. TITLE

STRUCTURAL STEEL FRAMING - WEST ELEVATION

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
DWN. DSW CHK. TFW
PROJ. No. 432607
DWG. No.

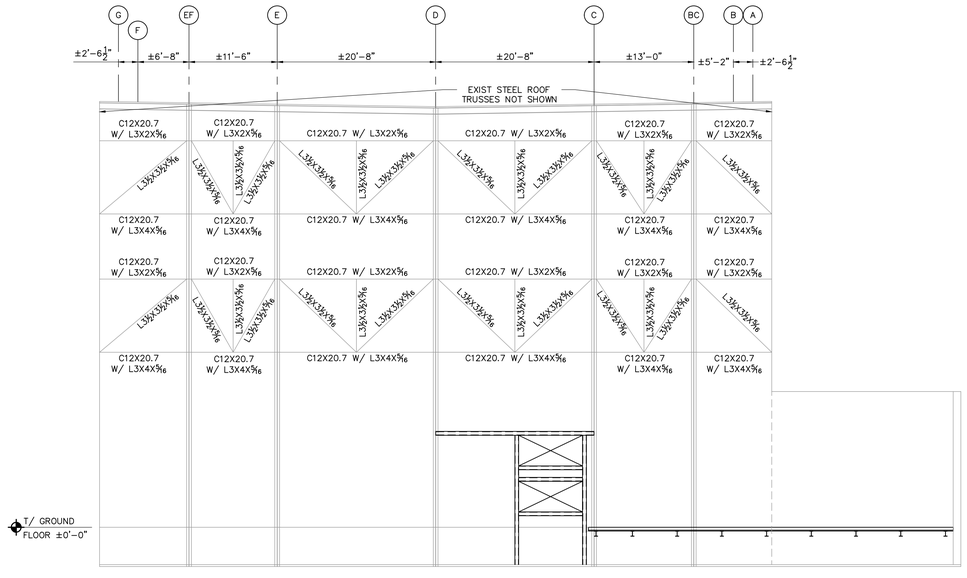
S401



01 S402 NORTH ELEVATION - STRUCTURAL STEEL FRAMING (PROVIDED FOR INFORMATION ONLY U.N.O.)

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

NOTE: ALL INFO SHOWN HERE SHALL BE CONSIDERED EXISTING UNLESS NOTED OTHERWISE.



02 S402 SOUTH ELEVATION - STRUCTURAL STEEL FRAMING (PROVIDED FOR INFORMATION ONLY U.N.O.)

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

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STRUCTURAL STEEL FRAMING - NORTH AND SOUTH ELEVATION

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
DWN. DSW CHK. TFW
PROJ. No. 432607
DWG. No.

S402

CRACK REPAIR PROCEDURE

NOTE: REFER TO SPECIFICATIONS AND MANUFACTURERS INSTRUCTION FOR DETAILED INSTRUCTIONS AND PROCEDURE OF REPAIR.

A. SAWCUT REPAIR LIMITS AS SHOWN.

B. REMOVE EXISTING SOUND AND UNSOUND CONCRETE WITHIN LIMITS.

C. MECHANICALLY PREPARE CONCRETE SUBSTRATE SURFACE AS PER SPECIFICATION.

D. CLEAN TO REMOVE ALL SURFACE SCALE, LAITANCE, DUST, OIL, DELETERIOUS MATERIALS, ETC.

E. PRE MIX EACH COMPONENT AS PER MANUFACTURER'S SPECIFICATIONS. MIX ONLY THE QUANTITY OF MATERIAL THAT CAN BE USED WITHIN ITS POT LIFE.

F. JOINTS SHALL BE MASKED TO PREVENT DISCOLORATION OR APPLICATION IN UNWANTED AREAS, AS DIRECTED BY THE OWNER. IF MASKING TAPE IS USED, SEE SPECIFICATION FOR INSTRUCTIONS.

G. COLOR OF SEALANT SHALL MATCH COLOR OF SURROUNDING SURFACES. SEE SPECIFICATIONS.

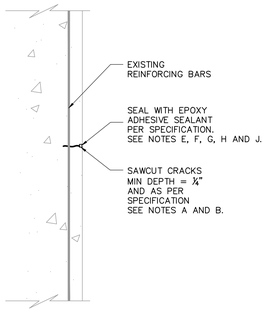
H. LOAD DIRECTLY INTO BULK CAULKING GUNS AND USE A FOLLOWER PLATE LOADING SYSTEM OR TOOL INTO JOINTS BY HAND.

I. FORM CORNERS WHERE SPALL AFFECTS TWO ADJACENT SURFACES TO MATCH EXISTING CHAMFERS AND CORNERS.

J. CLEAN SURFACE AS PER MANUFACTURER'S SPECIFICATIONS

K. REFER TO COMPLETE STRUCTURAL CONTRACT DRAWINGS FOR LOCATIONS OF CONCRETE REHABILITATION REQUIRED AND FIELD VERIFY ADDITIONAL LOCATIONS THAT MAY NOT HAVE BEEN VISIBLE FOR INSPECTION PRIOR TO CONSTRUCTION. CONTRACTOR SHALL INSPECT ALL CONCRETE SURFACES AND NOTIFY THE OWNER OF DIFFERING CONDITIONS. REFER TO OTHER STRUCTURAL DRAWINGS FOR ADDITIONAL CONSTRUCTION DETAILS AND VARYING TYPES OF DAMAGE.

L. AFTER ALL CRACKS, SPALLS AND DAMAGED AREAS ARE REPAIRED, APPLY NEW COATING TO ALL CONCRETE SURFACES PER MANUFACTURER'S INSTRUCTIONS AND AS DIRECTED BY THE OWNER.



1 / S500 CRACK REPAIR SECTION & REPAIR NOTES

NOT TO SCALE

NOTE: THIS DETAIL APPLIES TO SHALLOW SPALLS OCCURRING AT ALL EXISTING EXPOSED CONCRETE SURFACES.

2 / S500 CONCRETE SPALL REPAIR PROCEDURE

NOTES: REFER TO SPECIFICATION 030130 AND MANUFACTURER'S INSTRUCTION FOR DETAILED INSTRUCTIONS AND PROCEDURE OF REPAIR.

A. SAWCUT REPAIR LIMITS BETWEEN EXISTING REBAR. SAWCUT 3" AROUND THE DAMAGED AREA ON ALL SIDES FOR ALL SPALLS.

B. REMOVE EXISTING SOUND & UNSOUND SPALLS AND PATCHES IN CONCRETE WITHIN LIMITS.

C. MECHANICALLY PREPARE CONCRETE SUBSTRATE TO OBTAIN A SURFACE PROFILE OF +/– ⅛" (CSP 5 OR GREATER AS PER ICRI GUIDELINES) WITH A NEW EXPOSED AGGREGATE SURFACE AS PER SPECIFICATION.

D. CLEAN REINFORCING TO REMOVE ANY RUST SCALE, LAITANCE, DELETERIOUS MATERIAL, OIL, ETC.

E. APPLY BONDING AGENT TO THE AREA AND REINFORCING STEEL WITH A STIFF–BRISTLE BRUSH, BROOM OR HOPPER TYPE SPRAY EQUIPMENT AS PER SPECIFICATION. PRIME STEEL WITH 2 COATS OF BONDING AGENT AND REINFORCEMENT PROTECTION AS PER MANUFACTURER'S TECHNICAL DATA SHEET.

F. MECHANICALLY MIX AND APPLY REPAIR MORTAR AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. FORCE MATERIAL AGAINST EDGE OF REPAIR AND WORK TOWARD THE CENTER. ALLOW MORTAR TO SET TO DESIRED STIFFNESS THEN FINISH WITH TROWEL FOR SMOOTH SURFACE. SEE SPECIFICATIONS FOR FURTHER INSTRUCTIONS.

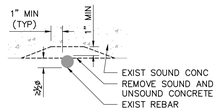
G. FOR VERTICAL AND OVERHEAD SURFACES, AT AREAS WHERE THE DEPTH OF THE REPAIR AREA TO SOUND CONCRETE IS GREATER THAN 1½", THE REPAIR SHALL BE MADE IN LIFTS OF 1½" MAXIMUM THICKNESS. FOR HORIZONTAL SURFACES, AT AREAS WHERE THE DEPTH OF THE REPAIR AREA TO SOUND CONCRETE IS GREATER THAN 1", THE REPAIR SHALL BE MADE IN LIFTS OS 1" MAXIMUM THICKNESS.

H. MOIST CURE AS PER SPECIFICATIONS. MOIST CURING SHOULD COMMENCE IMMEDIATELY AFTER FINISHING AND CONTINUE FOR 48 HOURS. PROTECT NEWLY APPLIED MATERIAL FROM RAIN, SUN, WIND AND FROM FREEZING UNTIL COMPRESSIVE STRENGTH IS 70% OF THE 28 DAY COMPRESSIVE STRENGTH.

I. CLEAN SURFACE AS PER MANUFACTURER'S SPECIFICATIONS.

J. AFTER ALL CRACKS, SPALLS AND DAMAGED AREAS ARE REPAIRED, APPLY NEW COATING TO ALL CONCRETE SURFACES AS PER SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS.

K. IF EXISTING REBAR IS FOUND TO HAVE GREATER THAN 10% SECTION LOSS REFERENCE SPECIFICATION 030130 – "MAINTENANCE OF CAST–IN–PLACE CONCRETE" FOR REPAIR INFORMATION AND PROCEDURES.



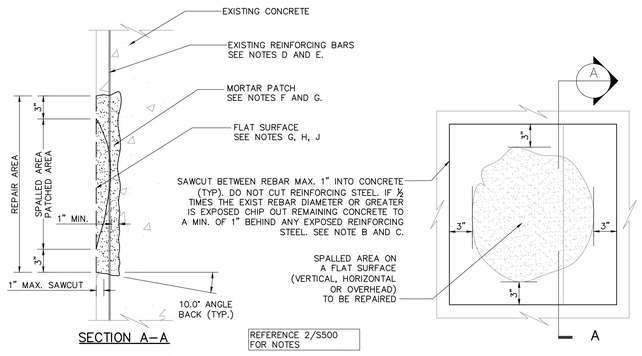
3A / S500 DETAIL OF EXPOSURE GREATER THAN OR EQUAL TO 1/2 OF REBAR DIAMETER

NOT TO SCALE



3B / S500 DETAIL OF EXPOSURE LESS THAN 1/2 OF REBAR DIAMETER

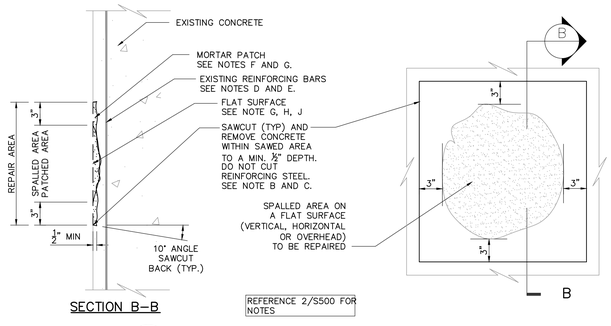
NOT TO SCALE



4 / S500 SPALLS WITH EXPOSED REBAR REPAIR DETAIL

NOT TO SCALE

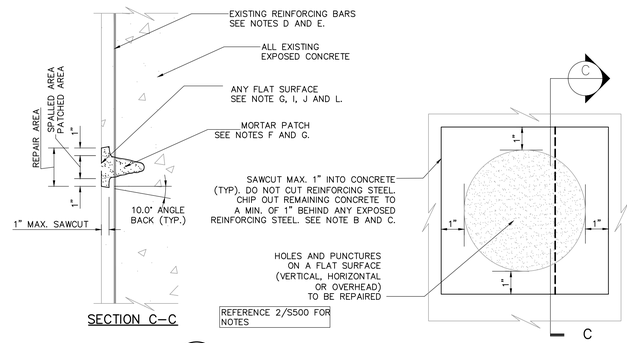
NOTE: THIS DETAIL APPLIES TO SHALLOW SPALLS OCCURRING AT ALL EXISTING EXPOSED CONCRETE SURFACES.



5 / S500 SPALLS WITHOUT EXPOSED REBAR REPAIR DETAIL

NOT TO SCALE

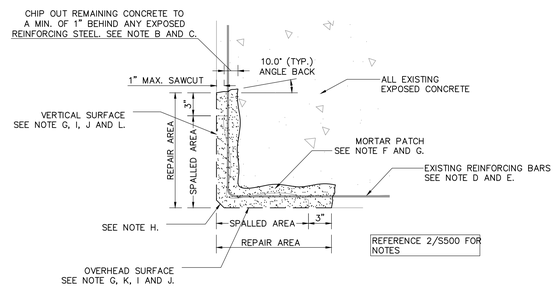
NOTE: THIS DETAIL APPLIES TO SHALLOW SPALLS OCCURRING AT ALL EXISTING EXPOSED CONCRETE SURFACES.



6 / S500 HOLE AND PUNCTURE REPAIR DETAIL

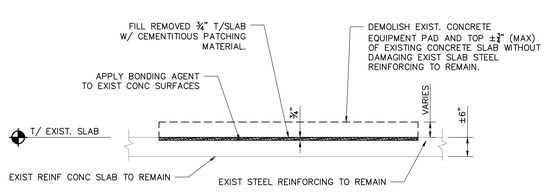
NOT TO SCALE

NOTE: THIS DETAIL APPLIES TO HOLES AND PUNCTURES LESS THAN 3"ø OCCURRING ON ALL EXISTING EXPOSED CONCRETE SURFACES.



7 / S500 CORNER SPALL REPAIR DETAIL

NOT TO SCALE

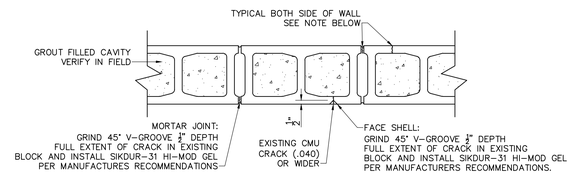


8 / S500 TYPICAL SECTION THROUGH EQUIPMENT PAD REMOVAL AND CONCRETE SLAB REPAIR

SCALE: 3/4"=1'–0"

MATERIAL NOTES:

1. BONDING AGENT: ARMATEC 110 EPOCEM, BY SIKA CORP., OR EQUIVALENT.
2. CEMENTITIOUS PATCHING MATERIAL: SIKATOP–111 PLUS, BY SIKA CORP., OR EQUIVALENT.
3. BONDING AGENT AND CEMENTITIOUS PATCHING MATERIAL SHALL BE INSTALLED PER THE MANUFACTURER'S WRITTEN RECOMMENDATIONS AND SPECIFICATIONS.



9 / S500 TYPICAL MASONRY CRACK REPAIR SECTION

SCALE: 1½"=1'–0"

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TYPICAL MASONRY REPAIR INFORMATION

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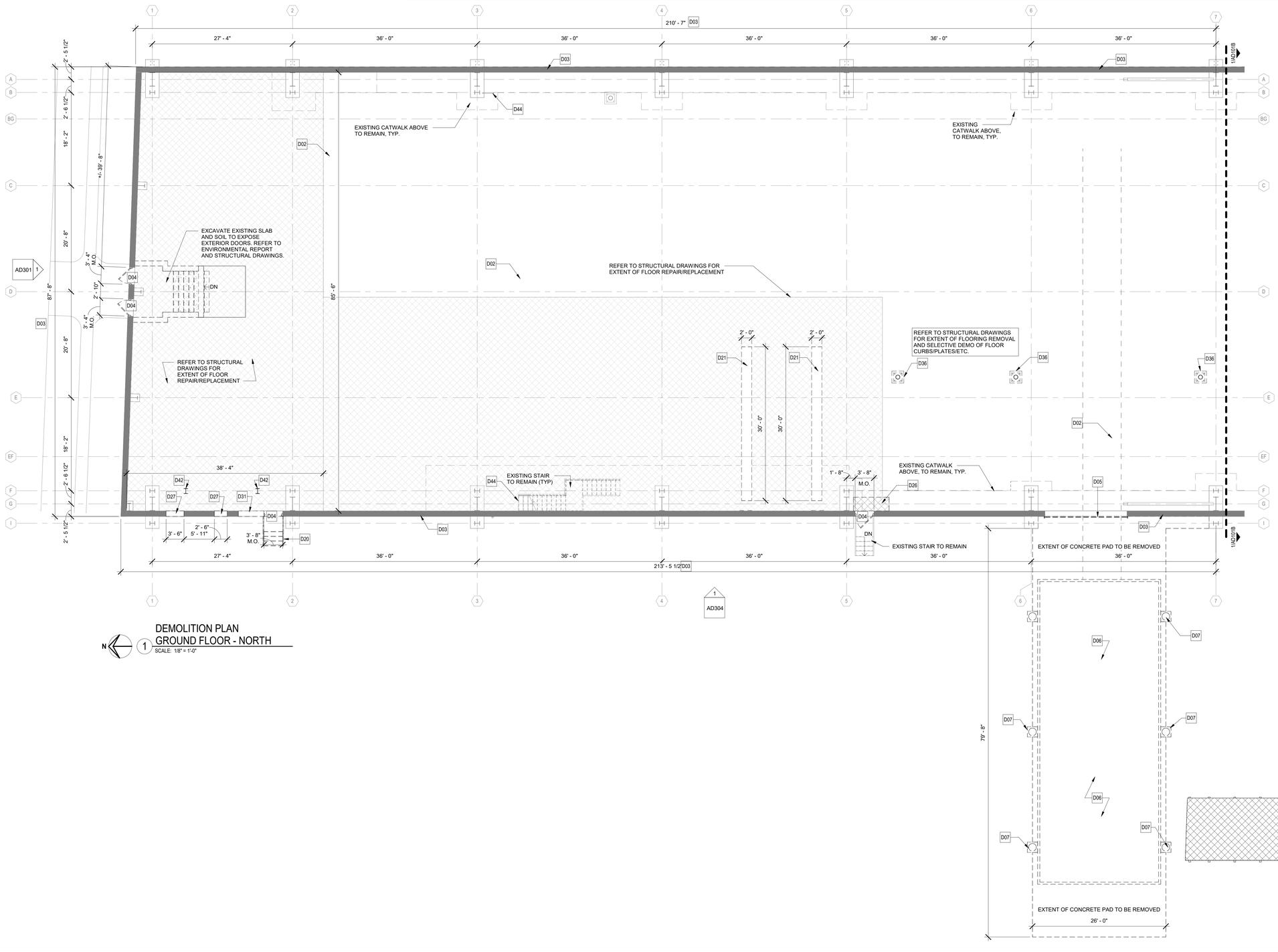
DATE	06/27/25
SCALE	
DWN.	DSW
CHK.	TFW
PROJ. No.	432607
DWG. No.	

S500

GENERAL DEMOLITION NOTES:

* REVIEW ENVIRONMENTAL REPORT AND DRAWINGS PRIOR TO ANY DEMOLITION AS THE BUILDING CONTAINS ASBESTOS, LEAD, AND PCB'S

1. REMOVE ALL EXTERIOR LIGHT WALL PACKS, LOUDSPEAKERS, AND SIGNAGE.
2. ALL INTERIOR & EXTERIOR MECHANICAL SYSTEMS SHALL BE REMOVED, INCLUDING BUT NOT LIMITED TO AIR HANDLERS, DUCTWORK, COMPRESSORS, PIPING, SUPPORTS, BOILERS, UNIT HEATERS, RADIATORS, GRAVITY VENTILATORS, CONTROLS AND ANCILLARY DEVICES IN THEIR ENTIRETY. EXISTING ROOF CURBS TO REMAIN FOR REUSE. REFER TO HAZARDOUS MATERIAL DRAWINGS BEFORE COMMENCING WORK.
3. REMOVE ALL INTERIOR & EXTERIOR ELECTRICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO LIGHTING, DISCONNECTS, AND PANEL BOARDS. REMOVE ALL CONDUIT AND WIRE BACK TO SOURCE. REFER TO HAZARDOUS MATERIAL DRAWINGS BEFORE COMMENCING WORK.
4. ALL INTERIOR AND EXTERIOR PLUMBING SYSTEMS SHALL BE REMOVED, INCLUDING BUT NOT LIMITED TO COLD WATER, SANITARY, VENT, AND STORM PIPING, ROOF DRAINS, PLUMBING FIXTURES, GAS PIPING, SUPPORTS AND ANCILLARY DEVICES IN THEIR ENTIRETY. EXISTING BELOW GRADE PIPING SHALL BE ABANDONED IN PLACE AND CAPPED UNLESS NOTED OTHERWISE. REFER TO HAZARDOUS MATERIAL DRAWINGS BEFORE COMMENCING WORK.
5. ALL HAZARDOUS MATERIAL REMOVAL BY LICENSED CONTRACTOR.
6. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL LOCAL, STATE AND FEDERAL CODES. LOCAL, STATE, AND FEDERAL CODES ARE TO TAKE PRECEDENCE OVER THE DRAWINGS AND SPECIFICATIONS. IF A DISCREPANCY IS FOUND, NOTIFY THE ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH ANY WORK.
7. ALL DIMENSIONS ARE TO THE FACE OF CONSTRUCTION UNLESS OTHERWISE NOTED. VERIFY ALL DIMENSIONS IN THE FIELD. LABELED DIMENSIONS ARE APPROXIMATE.
8. ALL DEMOLITION REFUSE IS TO BE DISPOSED OF AT THE END OF THE WORKDAY, OR STORED IN A SECURE LOCATION UNTIL DISPOSAL IS POSSIBLE. SITE SHOULD BE BROOM SWEPT AT THE END OF EACH DAY.
9. DO NOT SCALE DRAWINGS. IF THERE IS A DIMENSION THAT NEEDS CLARIFICATION CONTACT THE ARCHITECT BEFORE CONTINUING WORK.
10. ALL EXISTING LOOSE DEBRIS AND CONSTRUCTION MATERIAL TO BE REMOVED BY OWNER PRIOR TO WORK.
11. EXERCISE CAUTION DURING DEMOLITION TO MINIMIZE DISTURBANCE TO EXISTING BUILDING ELEMENTS TO REMAIN, INCLUDING FINISHES, SITE, AND STRUCTURAL ELEMENTS. WHERE THIS IS UNAVOIDABLE, REPAIR AFFECTED FINISHES AND ELEMENTS AS REQUIRED TO RETURN THEM TO THEIR ORIGINAL CONDITION OR BETTER. FINISHES AND ELEMENTS DEEMED IRREPARABLE BY THE ARCHITECT SHALL BE REPLACED IN KIND.
12. CAREFULLY REMOVE, SAFELY STORE AND PROTECT EXISTING MATERIALS INDICATED TO BE SALVAGED AND REINSTALLED.
13. DOCUMENT (LABEL & PHOTOGRAPH) EXISTING COMPONENTS INDICATED TO BE REMOVED AND SALVAGED FOR REHABILITATION AND/OR REINSTALLATION.
14. OFFER ALL EXISTING ITEMS TO BE REMOVED AND NOT INDICATED FOR SALVAGE TO PROPERTY OWNER FOR COLLECTION OR RETENTION PRIOR TO REMOVAL FROM THE SITE.
15. DO NOT SCALE DRAWINGS. USE ONLY INDICATED DIMENSIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
16. DIMENSIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND MAY VARY FROM THE ACTUAL DIMENSIONS. PRIOR TO START OF THE WORK VERIFY AND DOCUMENT ALL DIMENSIONS WHICH WILL AFFECT REQUIRED WORK.
17. VISIT AND CAREFULLY EXAMINE THE SITE PRIOR TO SUBMITTING BIDS FOR INDICATED WORK. SUBMISSION OF A BID PROPOSALS SHALL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE.
18. PRIOR TO START OF WORK EXAMINE THE PREMISES TO DETERMINE EXISTING CONDITIONS AND ESTABLISH PROCEDURES AND METHODS FOR DEMOLITION AND CONSTRUCTION IN ORDER TO ENSURE THAT DEMOLITION AND CONSTRUCTION WORK WILL PROCEED IN AN ORDERLY AND SYSTEMATIC MANNER. COORDINATE PROPOSED METHODS WITH OWNER'S DESIGNATED REPRESENTATIVE AND PROVIDE A SCHEDULE FOR SHUT-OFF, CAPPING OR CONTINUATION OF EXISTING UTILITIES.
19. ALL DEMOLITION REMOVAL WORK IN CONNECTION WITH THIS PROJECT SHALL BE DONE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING OWNER, APPLICABLE CODES, AND ALL AUTHORITIES AND AGENCIES HAVING JURISDICTION.
20. ALL CUTTING AND REMOVAL WORK IN CONNECTION WITH THIS PROJECT SHALL BE DONE BY MECHANICS SKILLED IN THE PARTICULAR TRADE. NO CUTTING SHALL BE DONE WITHOUT PROPER SAFEGUARDS TO WORKERS AND EQUIPMENT.
21. PROVIDE ADEQUATE SHORING AND BRACING AS REQUIRED TO SAFELY SUPPORT EXISTING WORK AND PREVENT DAMAGE. PRIOR TO REMOVAL OF ANY BUILDING COMPONENT SUPPORTING EXISTING CONSTRUCTION TO REMAIN, SUBMIT TO THE ARCHITECT FOR REVIEW AND APPROVAL PROPOSED METHODS OF TEMPORARY SUPPORT, INCLUDING NEEDLING, SHORING, BRACING, ETC., AS WELL AS PROPOSED METHODS OF PROTECTING EXISTING WORK TO REMAIN FROM DAMAGE.
22. DISCONNECTION, CAPPING AND REMOVAL OF ALL ABANDONED OR DISCONTINUED MECHANICAL, PLUMBING OR ELECTRICAL SYSTEMS AND COMPONENTS IS REQUIRED UNDER THE SCOPE OF THE PROJECT AND SHALL BE PERFORMED BY APPRIATE TRADES.
23. THE TERM "REMOVE" USED ON THE DRAWINGS DENOTES REMOVAL OF EXISTING MATERIALS AND ELEMENTS FROM THE PREMISES. UNLESS DIRECTED OTHERWISE ALL MATERIALS AND ELEMENTS SHALL BE REMOVED ENTIRELY AND DISPOSED OF IN A LEGAL MANNER.
24. ALL DEBRIS, REFUSE, SUPLUS EQUIPMENT , FIXTURES AND MATERIALS NOT REQUIRED TO BE INCORPORATED INTO THE WORK, ALL DEBRIS, REFUSE AND OTHER MATERIALS RESULTING FROM THE REMOVAL AND REHABILITATION WORK, SHALL BE REMOVED ON AL DAILY BASIS FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
25. PROVIDE OPENINGS IN WALLS, FLOORS AND SLAB WHERE REQUIRED TO PERMIT PASSAGE OF PIPES, CONDUITS, ETC. COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
26. EXISTING SURFACES DAMAGED BY DEMOLITION OR NEW CONSTRUCTION SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MATCH ADJACENT SURFACES AND THE FINISH SCHEDULE.
27. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER DISCIPLINES FOR REQUIRED DEMOLITION WORK NOT SPECIFICALLY INDICATED ON THE ARCHITECTURAL DRAWINGS.
28. ALL BUILDING ELEMENTS SHOWN TO BE REMOVED AND SALVAGED SHALL BE CAREFULLY REMOVED AND SAFELY STORED AS DIRECTED BY THE PROPERTY OWNER. VERIFY WITH THE PROPERTY OWNER ALL ITEMS TO BE SALVAGED.
29. ALL SALVAGEABLE MATERIALS AND EQUIPMENT SHOWN TO BE REMOVED AND NOT REUSED OR CLAIMED BY THE OWNER SHALL BE TRANSPORTED FROM THE SITE. STORAGE OR SALE OF REMOVED ITEMS ON SITE WILL NOT BE PERMITTED.
30. THE LIST OF DEMOLITION KEYNOTES ARE KEYED TO THE DEMOLITION DRAWINGS AS A GUIDE FOR REFERENCE AND CONVENIENCE. THEY SHALL BE CONSIDERED GENERAL IN NATURE AND BINDING ON ALL AREAS OF THE BUILDING WHETHER SPECIFICALLY KEYNOTED OR NOT.



DEMOLITION PLAN GROUND FLOOR - NORTH

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

KEY PLAN

DEMOLITION KEYNOTES	
D02	REMOVE ALL EXISTING WOOD BLOCKING FLOORING ACCORDING TO ENVIRONMENTAL REMEDIATION PLAN. REMOVE ALL DEBRIS AND CLEAN UNDERLYING CONCRETE FLOOR.
D03	CLEAN ALL EXISTING EXTERIOR MASONRY. REFER TO SPEC SECTIONS: 040110 - MASONRY CLEANING. REFER TO STRUCTURAL DRAWINGS AND SPEC SECTION 040120.63 - BRICK MASONRY REPAIR & SECTION 040120.64 - BRICK MASONRY REPOINTING.
D04	REMOVE EXISTING DOOR INCLUSIVE OF FRAME, TRANSOM, AND HARDWARE. PROTECT OPENING AND PREPARE TO RECEIVE DOOR AND FRAME AS SCHEDULED.
D05	REMOVE EXISTING OVERHEAD DOOR INCLUDING ALL TRACKS, HARDWARE, AND BLOCKING. PROVIDE TEMPORARY PLYWOOD PARTITION.
D06	REMOVE EXISTING STEEL FURNACE INCLUSIVE OF ALL DUCTS, PIPING, ELECTRIC, AND ASSOCIATED HARDWARE.
D07	REMOVE EXISTING CONCRETE PAD AND FOOTINGS.
D20	REMOVE EXISTING STEEL STAIR AND ASSOCIATED HARDWARE, RAILINGS, AND FOUNDATIONS.
D21	REMOVE EXSTING 30" HIGH CONCRETE KNEE WALLS AND REPAIR FLOOR TO MATCH ADJACENT.
D26	REMOVE EXISTING CONCRETE SLAB AND PREPARE FOR NEW SLOPED CONCRETE SLAB. ALSO TYPICAL AT ALL EXTERIOR DOORS. REFER TO STRUCTURAL.
D27	PROVIDE MASONRY OPENING FOR MECH. DUCT AND LOUVER AS SCHEDULED. REFER TO STRUCTURAL AND MECHANICAL FOR OPENING SIZE, LOCATION AND DETAILS.
D31	REMOVE GRAFFITI FROM MASONRY AND/OR CONCRETE. REFER TO SPEC SECTION 040110 - MASONRY CLEANING.
D36	REMOVE JIB CRANE AND PATCH CONCRETE FLOOR.
D42	REMOVE NON-ORIGINAL STEEL COLUMNS AFTER EQUIPMENT ABOVE IS REMOVED FROM PLATFORM. PATCH FLOOR AS NEEDED.
D44	WHERE REQUIRED, PROVIDE P.T. WOOD BLOCKING UNDER MTL. STAIR STRINGERS AND LADDERS WHERE WOOD BLOCK FLOORING IS REMOVED AND SUPPORTING STAIRS OR LADDERS.

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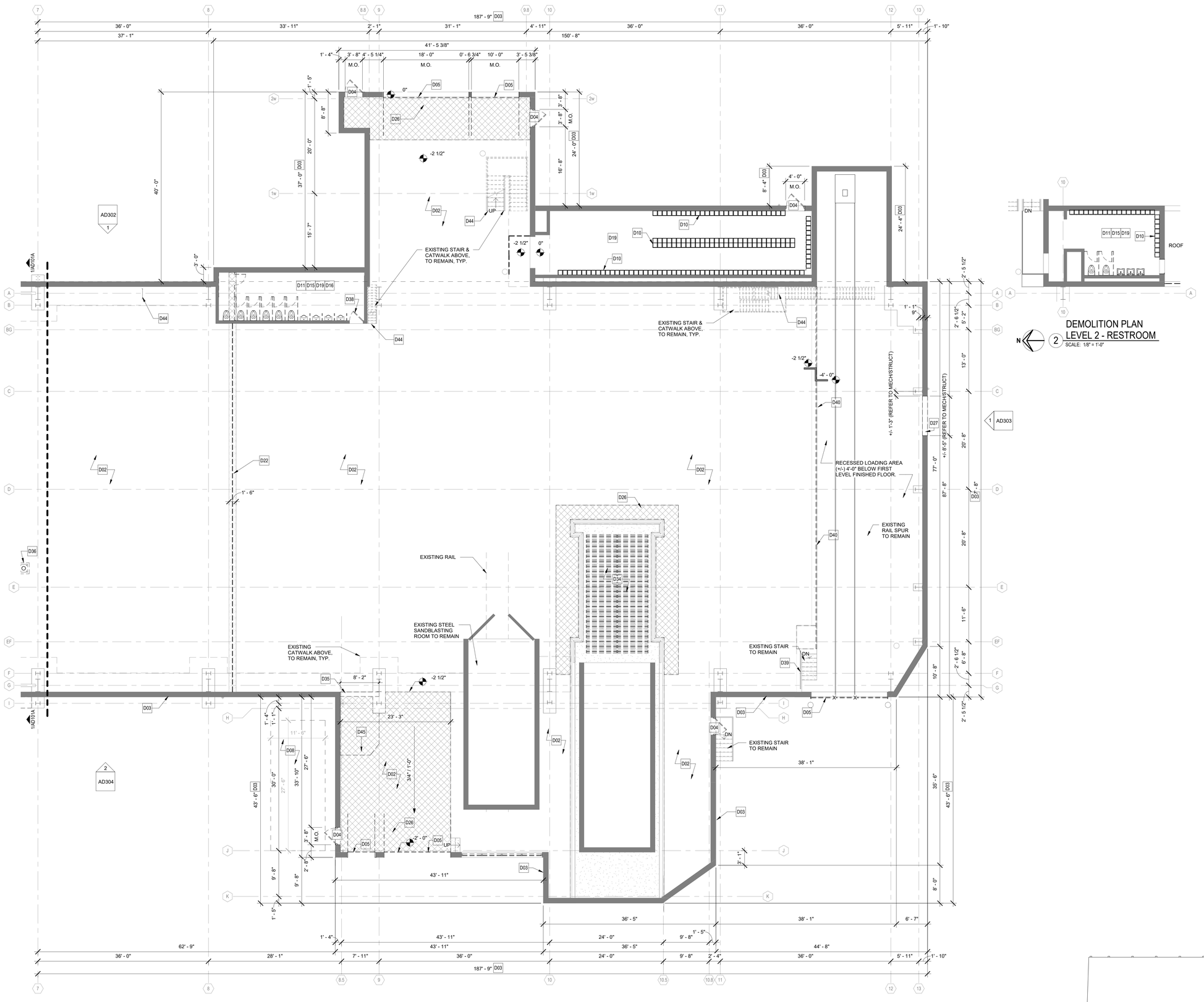
DWG. TITLE

DEMOLITION PLAN - GROUND FLOOR - NORTH

GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	As indicated
DWN.	MJC
CHK.	BS1
PROJ. No.	432607
DWG. No.	

AD101A



DEMOLITION KEYNOTES

D02	REMOVE ALL EXISTING WOOD BLOCKING FLOORING ACCORDING TO ENVIRONMENTAL REMEDIATION PLAN. REMOVE ALL DEBRIS AND CLEAN UNDERLYING CONCRETE FLOOR.
D03	CLEAN ALL EXISTING EXTERIOR MASONRY. REFER TO SPEC SECTIONS: 040110 - MASONRY CLEANING. REFER TO STRUCTURAL DRAWINGS AND SPEC SECTION 040120.63 - BRICK MASONRY REPAIR & SECTION 040120.64 - BRICK MASONRY REPOINTING.
D04	REMOVE EXISTING DOOR INCLUSIVE OF FRAME, TRANSOM, AND HARDWARE. PROTECT OPENING AND PREPARE TO RECEIVE DOOR AND FRAME AS SCHEDULED.
D05	REMOVE EXISTING OVERHEAD DOOR INCLUDING ALL TRACKS, HARDWARE, AND BLOCKING. PROVIDE TEMPORARY PLYWOOD PARTITION.
D08	REMOVE EXTERIOR EQUIPMENT INCLUDING ALL FOOTINGS AND ASSOCIATED STEEL STRUCTURE.
D10	REMOVE ALL LOCKERS INCLUDING CURBS. REFER TO HAZARDOUS MATERIAL (HM) DRAWINGS.
D11	REMOVE ALL PLUMBING FIXTURES INCLUDING HANGERS, ASSOCIATED PLUMBING, AND TOILET ACCESSORIES.
D15	REMOVE ALL TOILET PARTITIONS
D16	REMOVE UNIT SUBSTATION ON MEZZANINE ABOVE. PRIMARY SWITCH, 750KVA TRANSFORMER, 480V DISTRIBUTION. EXISTING DC GENERATOR TO REMAIN.
D19	REMOVE ALL WALL TILE AND FLOOR TILE. PREPARE WALLS FOR FUTURE BUILDOUT. REMOVE FLOOR MORTAR AND LEVEL FLOOR TO MATCH ORIGINAL HEIGHT OF TILE. (SEE ENVIRONMENTAL REPORT AND DRAWINGS AS ACMs WERE FOUND IN RESTROOMS.
D22	BURIED ELECTRICAL LINE TO BE REMOVED. LINE IS AN ASBESTOS CONTAINING MATERIAL (ACM). SEE ENVIRONMENTAL DRAWINGS FOR ABATEMENT DETAILS.
D26	REMOVE EXISTING CONCRETE SLAB AND PREPARE FOR NEW SLOPED CONCRETE SLAB. ALSO TYPICAL AT ALL EXTERIOR DOORS. REFER TO STRUCTURAL.
D27	PROVIDE MASONRY OPENING FOR MECH. DUCT AND LOUVER AS SCHEDULED. REFER TO STRUCTURAL AND MECHANICAL FOR OPENING SIZE, LOCATION AND DETAILS.
D34	REMOVE STEEL SLED AND TRACK IN IS ENTIRETY. CLEAR ANY LOOSE DEBRIS.
D35	REMOVE EXISTING DOUBLE WALL. SEE STRUCTURAL.
D36	REMOVE JIB CRANE AND PATCH CONCRETE FLOOR.
D38	REMOVE EXISTING DOOR AND ASSOCIATED HARDWARE. DOOR FRAME TO REMAIN. PROTECT OPENING AND PREPARE TO RECEIVE DOOR AS SCHEDULED.
D39	REMOVE EXISTING HANDRAIL.
D40	REMOVE EXISTING GUARDRAIL SLEEVES AND STEEL PLATE. COORDINATE WITH STRUCTURAL DRAWINGS.
D44	WHERE REQUIRED, PROVIDE P.T. WOOD BLOCKING UNDER MTL. STAIR STRINGERS AND LADDERS WHERE WOOD BLOCK FLOORING IS REMOVED AND SUPPORTING STAIRS OR LADDERS.
D45	REMOVE EXISTING CONCRETE PLATFORM.

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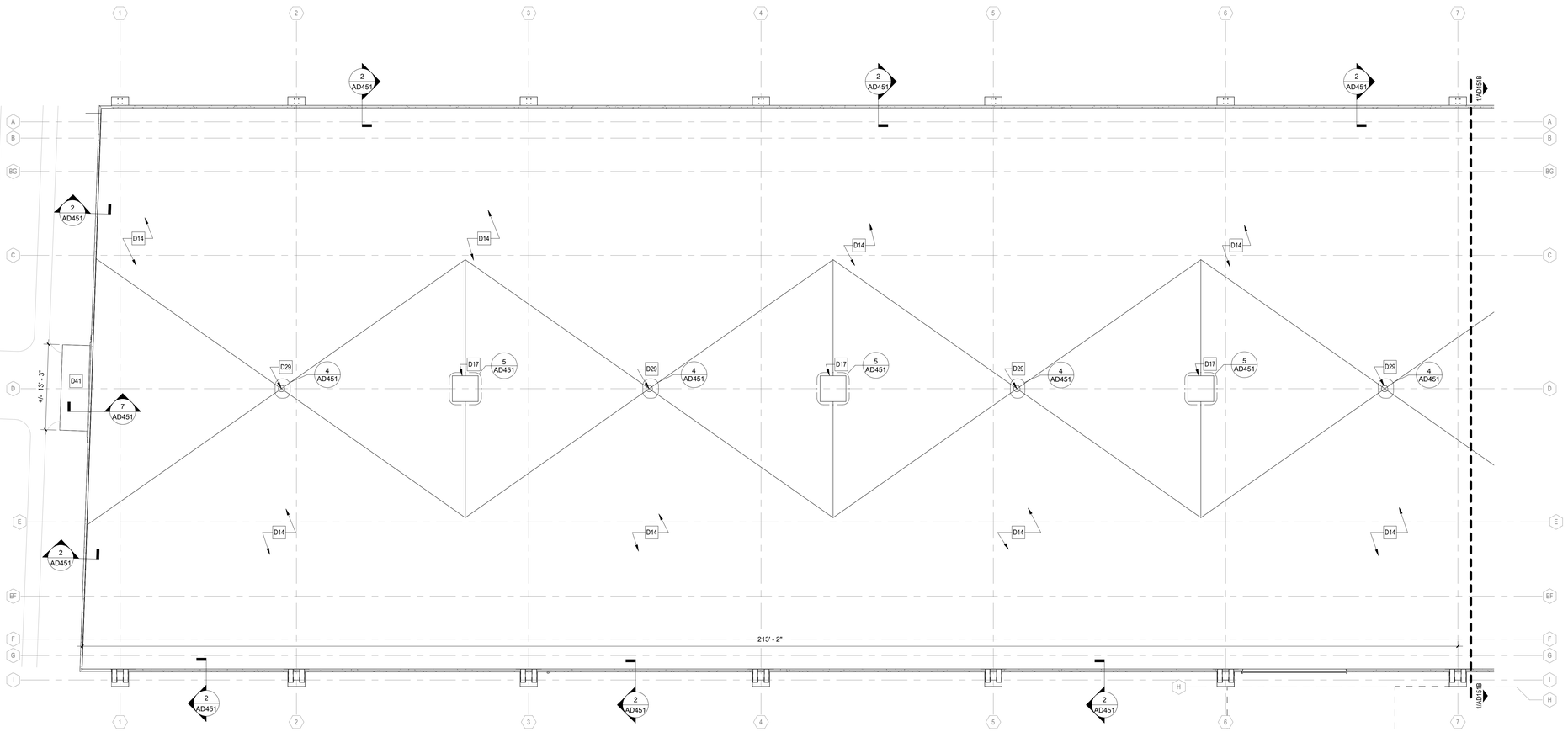
DEMOLITION PLAN - GROUND FLOOR - SOUTH

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC
CHK.	BS1
PROJ. No.	432607
DWG. No.	

AD101B

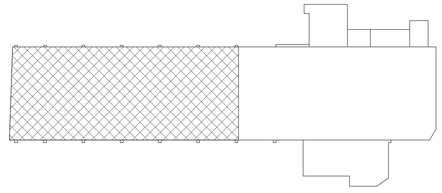
DEMOLITION KEYNOTES	
D14	REMOVE EXISTING ROOFING SYSTEM INCLUDING FLASHING AND COPING AND/OR GRAVEL STOP DOWN TO CONCRETE DECK AND PREPARE ROOF DECK TO RECEIVE ROOFING SYSTEM AS INDICATED ON ROOF PLAN.
D17	REMOVE EXISTING ROOFTOP HVAC VENTS AND PREPARE CURBS TO RECEIVE GAVITY VENTS AS SCHEDULED. REFER TO MECHANICAL DRAWINGS.
D29	REMOVE EXISTING ROOF DRAINS INCLUSIVE OF LEADERS AND HARDWARE AND PREPARE ROOFTOP PENETRATIONS TO RECEIVE ROOF DRAINS AS SCHEDULED. SEE PLUMBING DRAWINGS.
D41	REMOVE EXISTING ROOFING ASSEMBLY DOWN TO EXISTING STEEL DECK. REMOVE EXISTING DETERIORATED ROOF DECK (APPROX 25% OF AREA). CANOPY STRUCTURE TO REMAIN.



N 1 DEMOLITION ROOF PLAN - NORTH
SCALE: 1/8" = 1'-0"

SEE DEMOLITION GENERAL NOTES ON AD101A

REFER TO AD101A FOR EXISTING FURNACE SCOPE



N KEY PLAN

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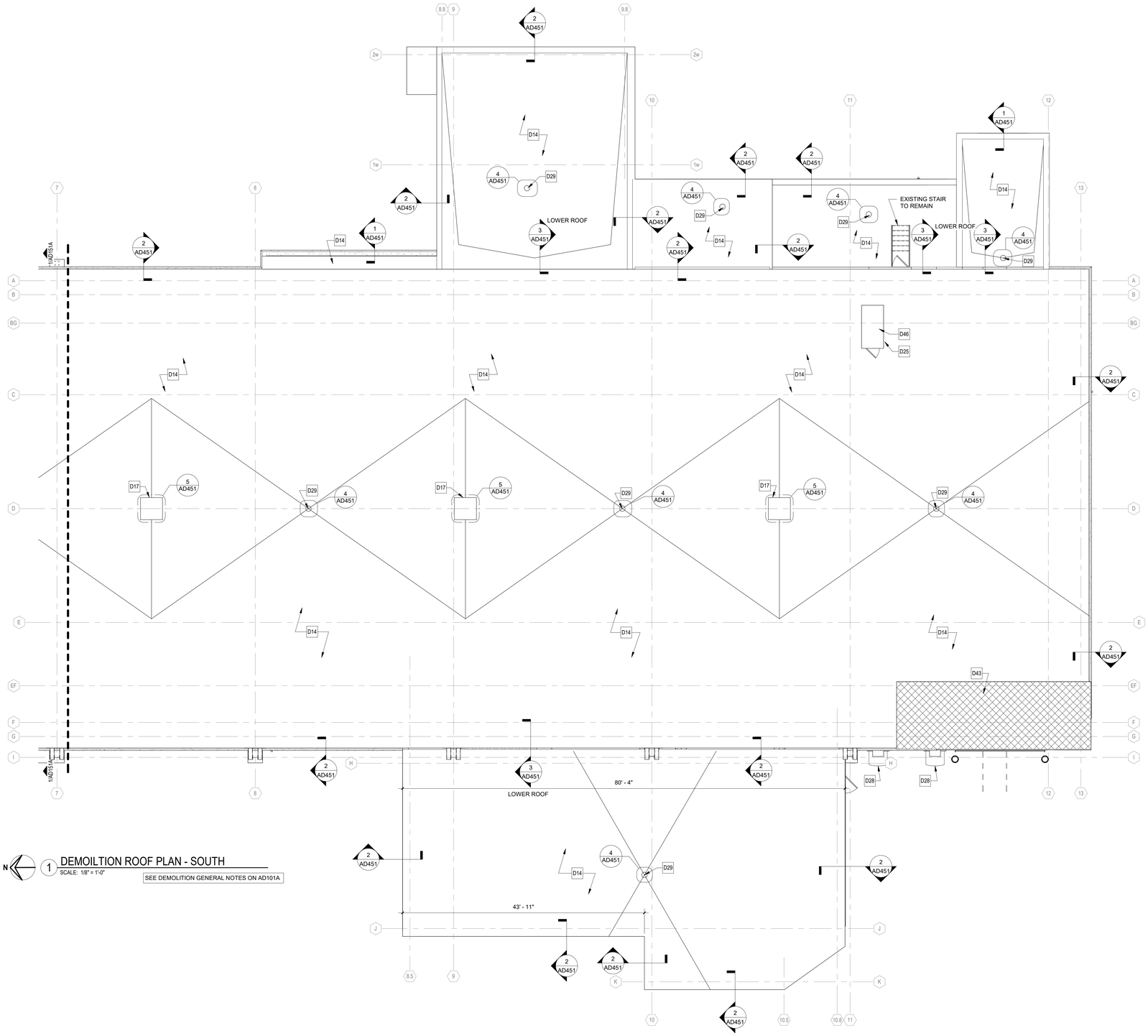
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DEMOLITION ROOF PLAN - NORTH

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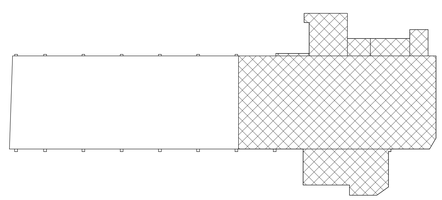
DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC
CHK	BS1
PROJ. No.	432607
DWG. No.	**AD151A**

DEMOLITION KEYNOTES	
D14	REMOVE EXISTING ROOFING SYSTEM INCLUDING FLASHING AND COPING AND/OR GRAVEL STOP DOWN TO CONCRETE DECK AND PREPARE ROOF DECK TO RECEIVE ROOFING SYSTEM AS INDICATED ON ROOF PLAN.
D17	REMOVE EXISTING ROOFTOP HVAC VENTS AND PREPARE CURBS TO RECEIVE GAVITY VENTS AS SCHEDULED. REFER TO MECHANICAL DRAWINGS.
D25	REMOVE ROOFTOP MASONRY STAIR PENTHOUSE DOWN TO EXISTING DECK INCLUDING ROOF STRUCTURE AND WALL SYSTEM.
D28	REMOVE EXISTING FANS/VENTS AND INFILL MASONRY WALL TO MATCH EXISTING. REFER TO STRUCTURAL.
D29	REMOVE EXISTING ROOF DRAINS INCLUSIVE OF LEADERS AND HARDWARE AND PREPARE ROOFTOP PENETRATIONS TO RECEIVE ROOF DRAINS AS SCHEDULED. SEE PLUMBING DRAWINGS.
D43	REMOVE +/-2" THICK REINF. CONC ROOF DECK PLANKS AND REPLACE WITH PLANKS TO MATCH EXISTING. SEE STRUCTURAL DRAWINGS FOR DETAILS AND QUANTITY.
D46	EXISTING SHIPS LADDER TO ROOF TO REMAIN. REMOVE EXISTING GUARDRAIL/HANDRAIL ASSEMBLIES.



1 DEMOILTION ROOF PLAN - SOUTH
SCALE: 1/8" = 1'-0"

SEE DEMOLITION GENERAL NOTES ON AD101A



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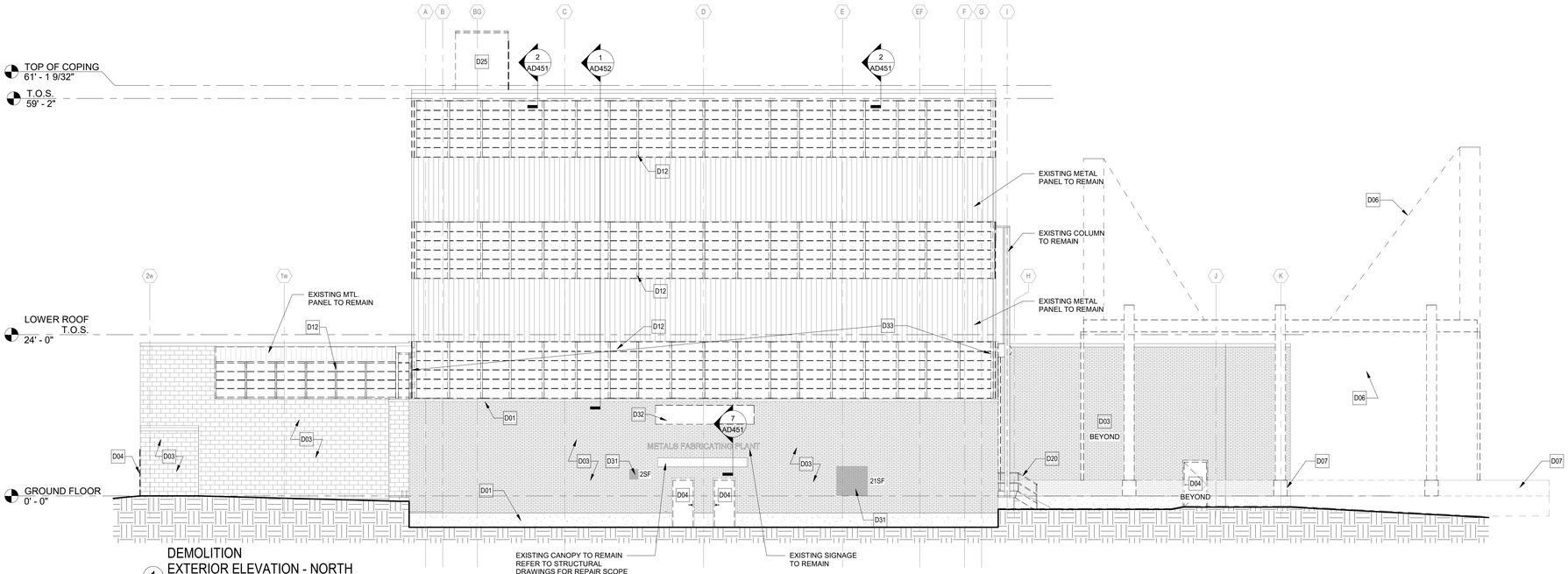
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DEMOLITION ROOF PLAN - SOUTH

GENERIC SCALE BAR
0 1" 2"
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CHK.	BS1
PROJ. No.	432607
DWG. No.	

AD151B



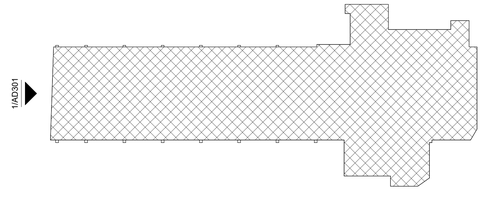
DEMOLITION EXTERIOR ELEVATION - NORTH

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

SEE DEMOLITION GENERAL NOTES ON AD101A

REFER TO STRUCTURAL DRAWINGS FOR ALL REPAIR/REPOINTING/REMOVAL OF CONCRETE, CONCRETE BLOCK, AND BRICK.

DEMOLITION KEYNOTES	
D01	CLEAN ALL EXISTING POURED IN PLACE AND PRECAST CONCRETE WITH LOW PRESSURE POWERWASHING.
D03	CLEAN ALL EXISTING EXTERIOR MASONRY. REFER TO SPEC SECTIONS: 040110 - MASONRY CLEANING. REFER TO STRUCTURAL DRAWINGS AND SPEC SECTION 040120.63 - BRICK MASONRY REPAIR & SECTION 040120.64 - BRICK MASONRY REPOINTING.
D04	REMOVE EXISTING DOOR INCLUSIVE OF FRAME, TRANSOM, AND HARDWARE. PROTECT OPENING AND PREPARE TO RECEIVE DOOR AND FRAME AS SCHEDULED.
D06	REMOVE EXISTING STEEL FURNACE INCLUSIVE OF ALL DUCTS, PIPING, ELECTRIC, AND ASSOCIATED HARDWARE.
D07	REMOVE EXISTING CONCRETE PAD AND FOOTINGS.
D12	REMOVE ALL WINDOWS AND ASSOCIATED HARDWARE. REFER TO ENVIRONMENTAL REPORT.
D20	REMOVE EXISTING STEEL STAIR AND ASSOCIATED HARDWARE, RAILINGS, AND FOUNDATIONS.
D25	REMOVE ROOFTOP MASONRY STAIR PENTHOUSE DOWN TO EXISTING DECK INCLUDING ROOF STRUCTURE AND WALL SYSTEM.
D31	REMOVE GRAFFITI FROM MASONRY AND/OR CONCRETE. REFER TO SPEC SECTION 040110 - MASONRY CLEANING.
D32	REMOVE EXISTING "CLEARING NIAGARA" SIGN, INCLUDING ASSOCIATED MOUNTING HARDWARE. PATCH BRICK AT ALL MOUNTING LOCATIONS.
D33	REMOVE CORRUGATED METAL PANELS COVERING WINDOWS, INCLUDING ASSOCIATED MOUNTING HARDWARE.



N KEY PLAN

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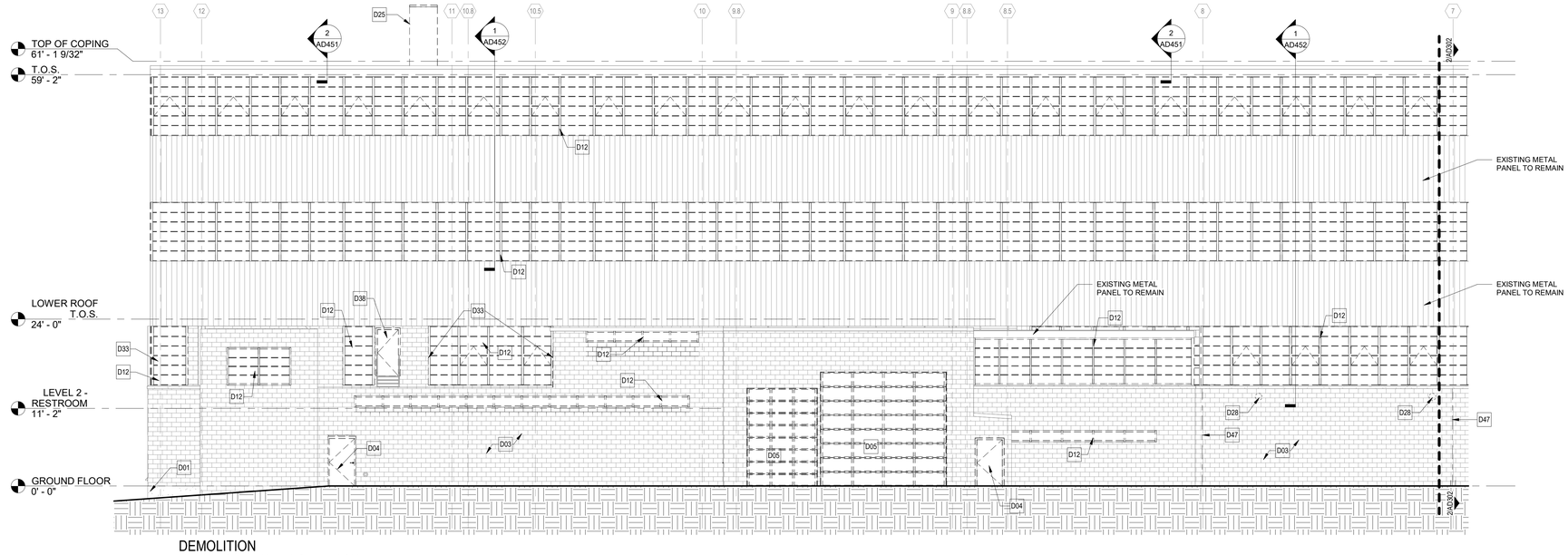
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DWG. TITLE

DEMOLITION EXTERIOR ELEVATIONS - NORTH

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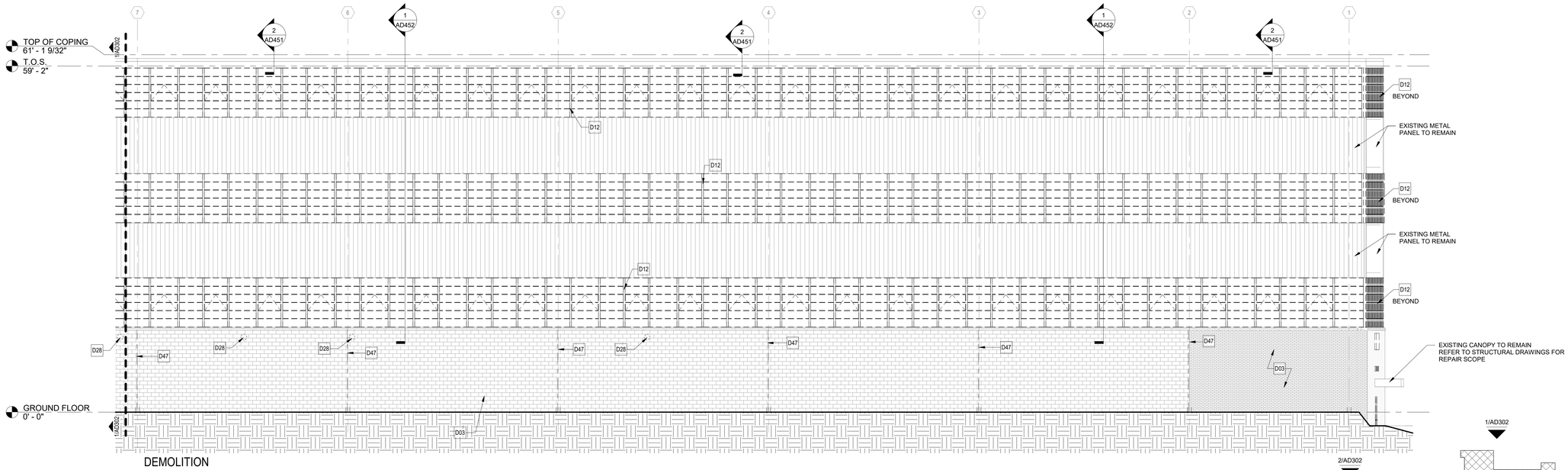
DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC CHK. BS1
PROJ. No.	432607
DWG. No.	**AD301**



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

SEE DEMOLITION GENERAL NOTES ON AD101A

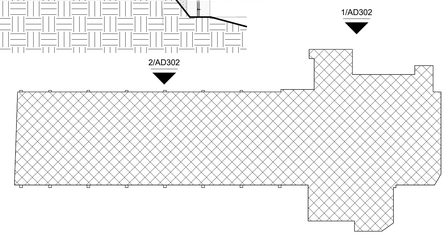
REFER TO STRUCTURAL DRAWINGS FOR ALL REPAIR/REPOINTING/REMOVAL OF CONCRETE, CONCRETE BLOCK, AND BRICK.



2 DEMOLITION
EXTERIOR ELEVATION - EAST
SCALE: 1/8" = 1'-0"

SEE DEMOLITION GENERAL NOTES ON AD101A

REFER TO STRUCTURAL DRAWINGS FOR ALL REPAIR/REPOINTING/REMOVAL OF CONCRETE, CONCRETE BLOCK, AND BRICK.



N KEY PLAN

DEMOLITION KEYNOTES	
D01	CLEAN ALL EXISTING POURED IN PLACE AND PRECAST CONCRETE WITH LOW PRESSURE POWERWASHING.
D03	CLEAN ALL EXISTING EXTERIOR MASONRY. REFER TO SPEC SECTIONS: 040110 - MASONRY CLEANING. REFER TO STRUCTURAL DRAWINGS AND SPEC SECTION 040120.63 - BRICK MASONRY REPAIR & SECTION 040120.64 - BRICK MASONRY REPOINTING.
D04	REMOVE EXISTING DOOR INCLUSIVE OF FRAME, TRANSOM, AND HARDWARE. PROTECT OPENING AND PREPARE TO RECEIVE DOOR AND FRAME AS SCHEDULED.
D05	REMOVE EXISTING OVERHEAD DOOR INCLUDING ALL TRACKS, HARDWARE, AND BLOCKING. PROVIDE TEMPORARY PLYWOOD PARTITION.
D12	REMOVE ALL WINDOWS AND ASSOCIATED HARDWARE. REFER TO ENVIRONMENTAL REPORT.
D25	REMOVE ROOFTOP MASONRY STAIR PENTHOUSE DOWN TO EXISTING DECK INCLUDING ROOF STRUCTURE AND WALL SYSTEM.
D28	REMOVE EXISTING FANS/VENTS AND INFILL MASONRY WALL TO MATCH EXISTING. REFER TO STRUCTURAL.
D33	REMOVE CORRUGATED METAL PANELS COVERING WINDOWS, INCLUDING ASSOCIATED MOUNTING HARDWARE.
D38	REMOVE EXISTING DOOR AND ASSOCIATED HARDWARE. DOOR FRAME TO REMAIN. PROTECT OPENING AND PREPARE TO RECEIVE DOOR AS SCHEDULED.
D47	REMOVE EXISTING SEALANT AND BACKER ROD.

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Hon. Christopher P. Scanlon, Chairman

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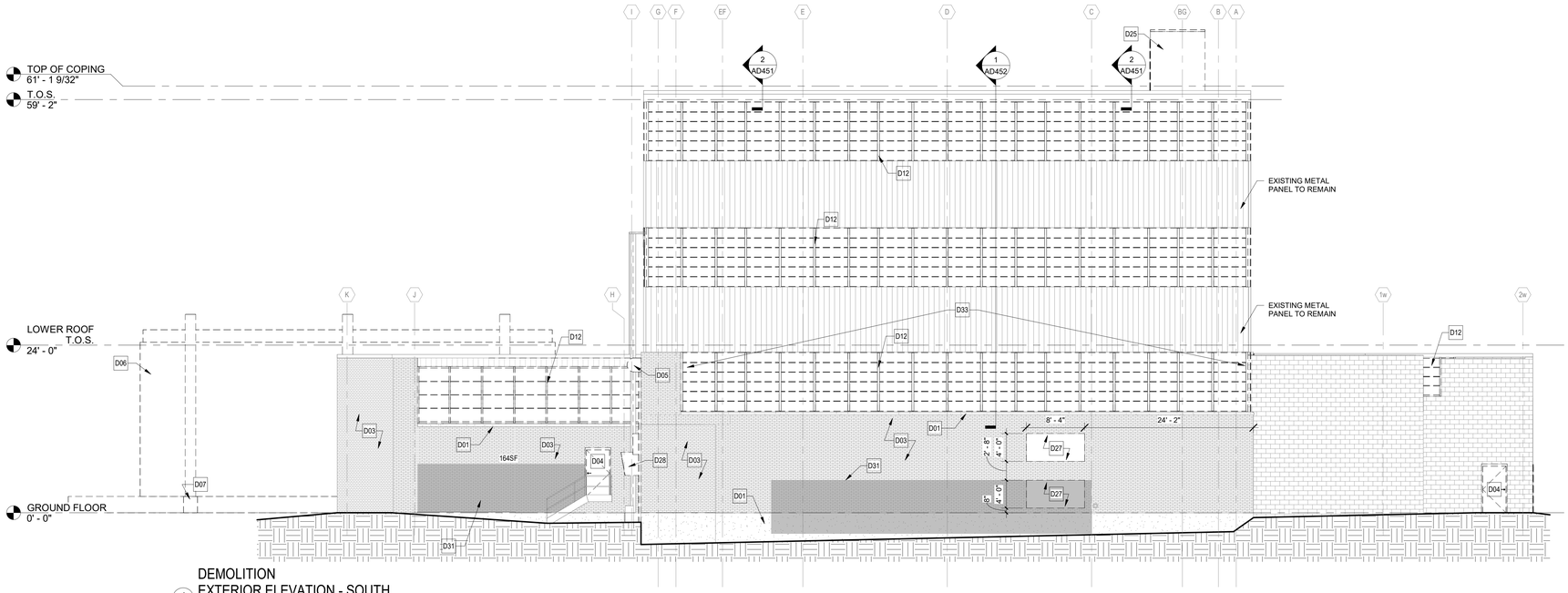
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00	ISSUED FOR BID	10/1/25

DWG. TITLE

DEMOLITION EXTERIOR ELEVATIONS - EAST

GENERIC SCALE BAR
0 1" 2"
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC
CHK.	BS1
PROJ. No.	432607
DWG. No.	**AD302**

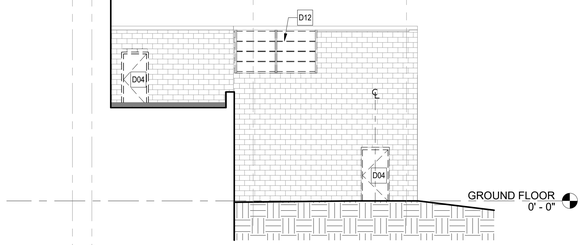


DEMOLITION
EXTERIOR ELEVATION - SOUTH

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

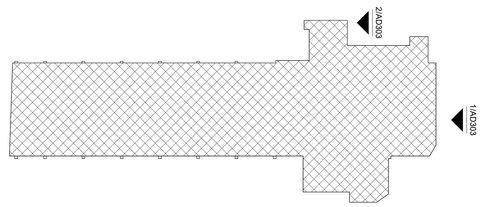
SEE DEMOLITION GENERAL NOTES ON AD101A

REFER TO STRUCTURAL DRAWINGS FOR ALL REPAIR/REPOINTING/REMOVAL OF CONCRETE, CONCRETE BLOCK, AND BRICK.



DEMOLITION
ELEVATION - SOUTH - PARTIAL

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



N KEY PLAN

DEMOLITION KEYNOTES	
D01	CLEAN ALL EXISTING POURED IN PLACE AND PRECAST CONCRETE WITH LOW PRESSURE POWERWASHING.
D03	CLEAN ALL EXISTING EXTERIOR MASONRY. REFER TO SPEC SECTIONS: 040110 - MASONRY CLEANING. REFER TO STRUCTURAL DRAWINGS AND SPEC SECTION 040120.63 - BRICK MASONRY REPAIR & SECTION 040120.64 - BRICK MASONRY REPOINTING.
D04	REMOVE EXISTING DOOR INCLUSIVE OF FRAME, TRANSOM, AND HARDWARE. PROTECT OPENING AND PREPARE TO RECEIVE DOOR AND FRAME AS SCHEDULED.
D05	REMOVE EXISTING OVERHEAD DOOR INCLUDING ALL TRACKS, HARDWARE, AND BLOCKING. PROVIDE TEMPORARY PLYWOOD PARTITION.
D06	REMOVE EXISTING STEEL FURNACE INCLUSIVE OF ALL DUCTS, PIPING, ELECTRIC, AND ASSOCIATED HARDWARE.
D07	REMOVE EXISTING CONCRETE PAD AND FOOTINGS.
D12	REMOVE ALL WINDOWS AND ASSOCIATED HARDWARE. REFER TO ENVIRONMENTAL REPORT.
D25	REMOVE ROOFTOP MASONRY STAIR PENTHOUSE DOWN TO EXISTING DECK INCLUDING ROOF STRUCTURE AND WALL SYSTEM.
D27	PROVIDE MASONRY OPENING FOR MECH. DUCT AND LOUVER AS SCHEDULED. REFER TO STRUCTURAL AND MECHANICAL FOR OPENING SIZE, LOCATION AND DETAILS.
D28	REMOVE EXISTING FANS/VENTS AND INFILL MASONRY WALL TO MATCH EXISTING. REFER TO STRUCTURAL.
D31	REMOVE GRAFFITI FROM MASONRY AND/OR CONCRETE. REFER TO SPEC SECTION 040110 - MASONRY CLEANING.
D33	REMOVE CORRUGATED METAL PANELS COVERING WINDOWS, INCLUDING ASSOCIATED MOUNTING HARDWARE.

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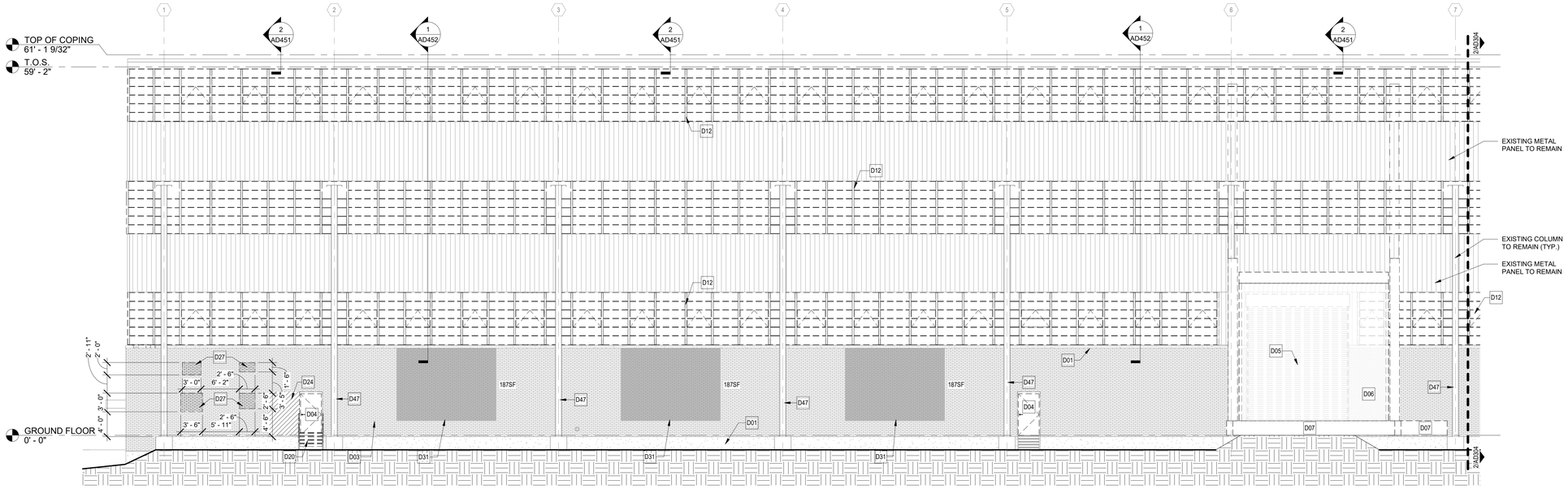
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01	ISSUED FOR PERMIT	10/1/25
00	ISSUED FOR BID	10/1/25

DWG. TITLE

DEMOLITION EXTERIOR ELEVATIONS -SOUTH

GENERAL SCALE BAR
0 1" 2"
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC CHK. BS1
PROJ. No.	432607
DWG. No.	**AD303**

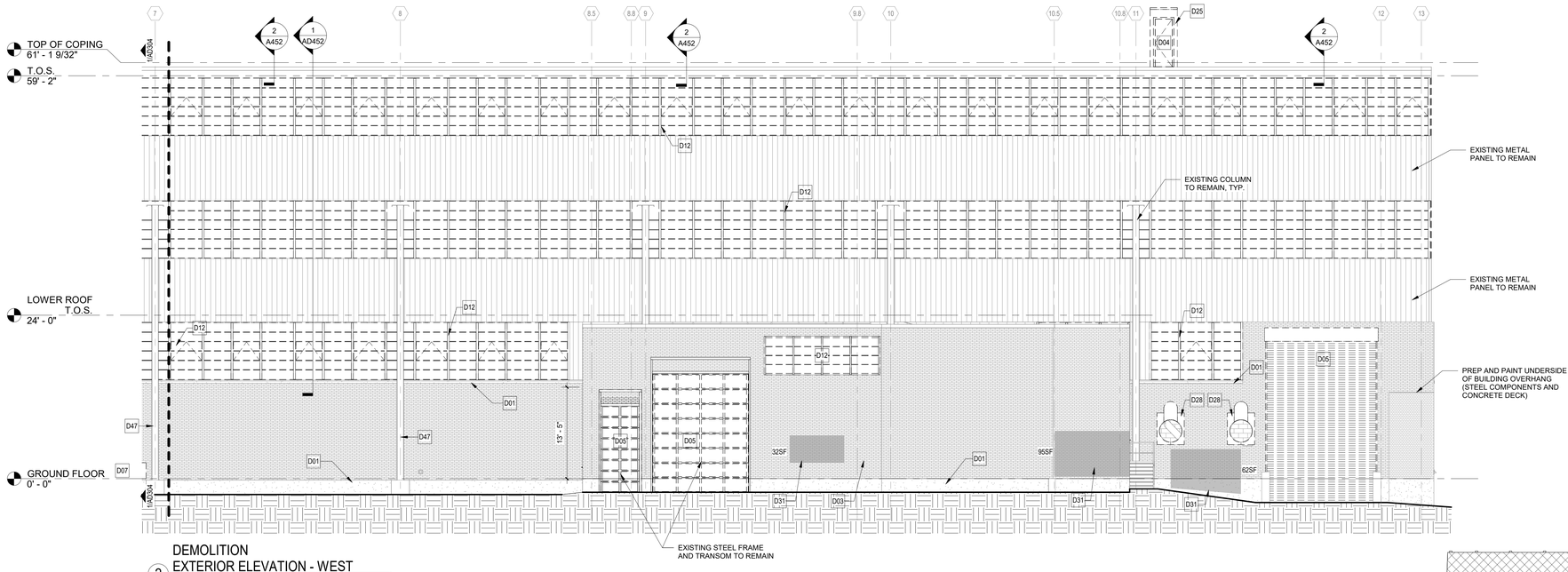


DEMOLITION
EXTERIOR ELEVATION - WEST

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

SEE DEMOLITION GENERAL NOTES ON AD101A

REFER TO STRUCTURAL DRAWINGS FOR ALL REPAIR/REPOINTING/REMOVAL OF CONCRETE, CONCRETE BLOCK, AND BRICK.

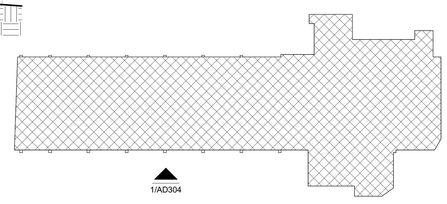


DEMOLITION
EXTERIOR ELEVATION - WEST

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

SEE DEMOLITION GENERAL NOTES ON AD101A

REFER TO STRUCTURAL DRAWINGS FOR ALL REPAIR/REPOINTING/REMOVAL OF CONCRETE, CONCRETE BLOCK, AND BRICK.



N KEY PLAN

DEMOLITION KEYNOTES

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D05	REMOVE EXISTING OVERHEAD DOOR INCLUDING ALL TRACKS, HARDWARE, AND BLOCKING. PROVIDE TEMPORARY PLYWOOD PARTITION.
D06	REMOVE EXISTING STEEL FURNACE INCLUSIVE OF ALL DUCTS, PIPING, ELECTRIC, AND ASSOCIATED HARDWARE.
D07	REMOVE EXISTING CONCRETE PAD AND FOOTINGS.
D12	REMOVE ALL WINDOWS AND ASSOCIATED HARDWARE. REFER TO ENVIRONMENTAL REPORT.
D20	REMOVE EXISTING STEEL STAIR AND ASSOCIATED HARDWARE, RAILINGS, AND FOUNDATIONS.
D24	REMOVE EXISTING EXTERIOR MASONRY WALL TO EXTENT SHOWN AND PREPARE OPENING TO RECEIVE NEW DOORS. REFER TO DOOR SCHEDULE AND STRUCTURAL.
D25	REMOVE ROOFTOP MASONRY STAIR PENTHOUSE DOWN TO EXISTING DECK INCLUDING ROOF STRUCTURE AND WALL SYSTEM.
D27	PROVIDE MASONRY OPENING FOR MECH. DUCT AND LOUVER AS SCHEDULED. REFER TO STRUCTURAL AND MECHANICAL FOR OPENING SIZE, LOCATION AND DETAILS.
D28	REMOVE EXISTING FANS/VENTS AND INFILL MASONRY WALL TO MATCH EXISTING. REFER TO STRUCTURAL.
D31	REMOVE GRAFFITI FROM MASONRY AND/OR CONCRETE. REFER TO SPEC SECTION 040110 - MASONRY CLEANING.
D47	REMOVE EXISTING SEALANT AND BACKER ROD.

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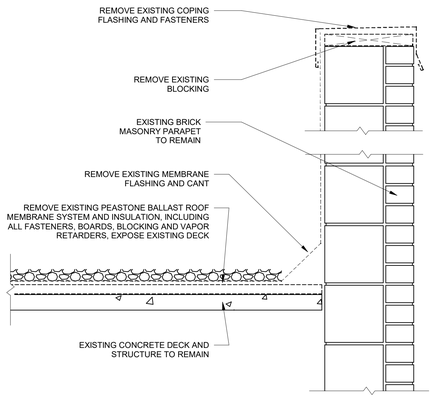
DWG. TITLE

DEMOLITION EXTERIOR ELEVATIONS -WEST

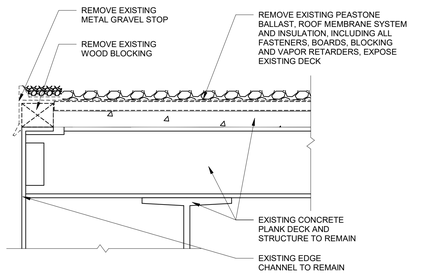
GENERIC SCALE BAR
0 1" 2"
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC CHK. BS1
PROJ. No.	432607
DWG. No.	

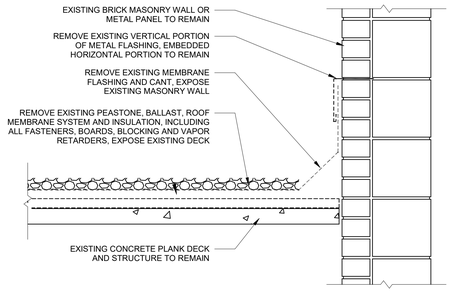
AD304



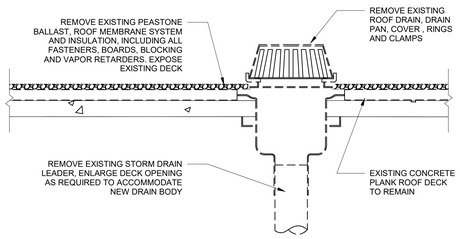
1 COPING DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



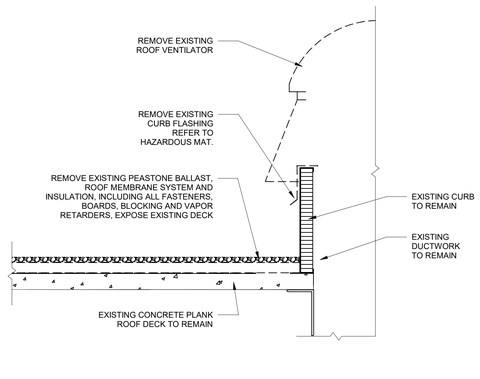
2 ROOF EDGE DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



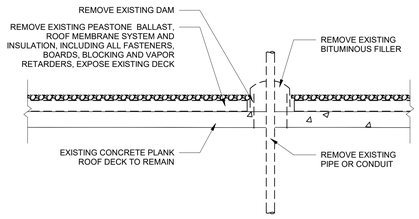
3 WALL FLASHING DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



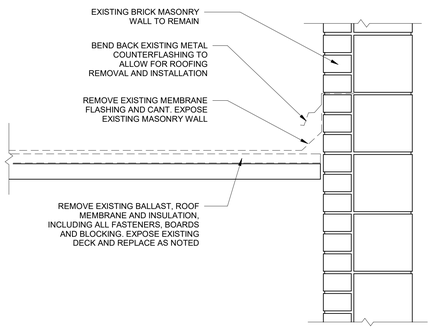
4 ROOF DRAIN DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



5 EQUIPMENT CURB DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



6 TYPICAL PITCH POCKET DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



7 FLASHING DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"

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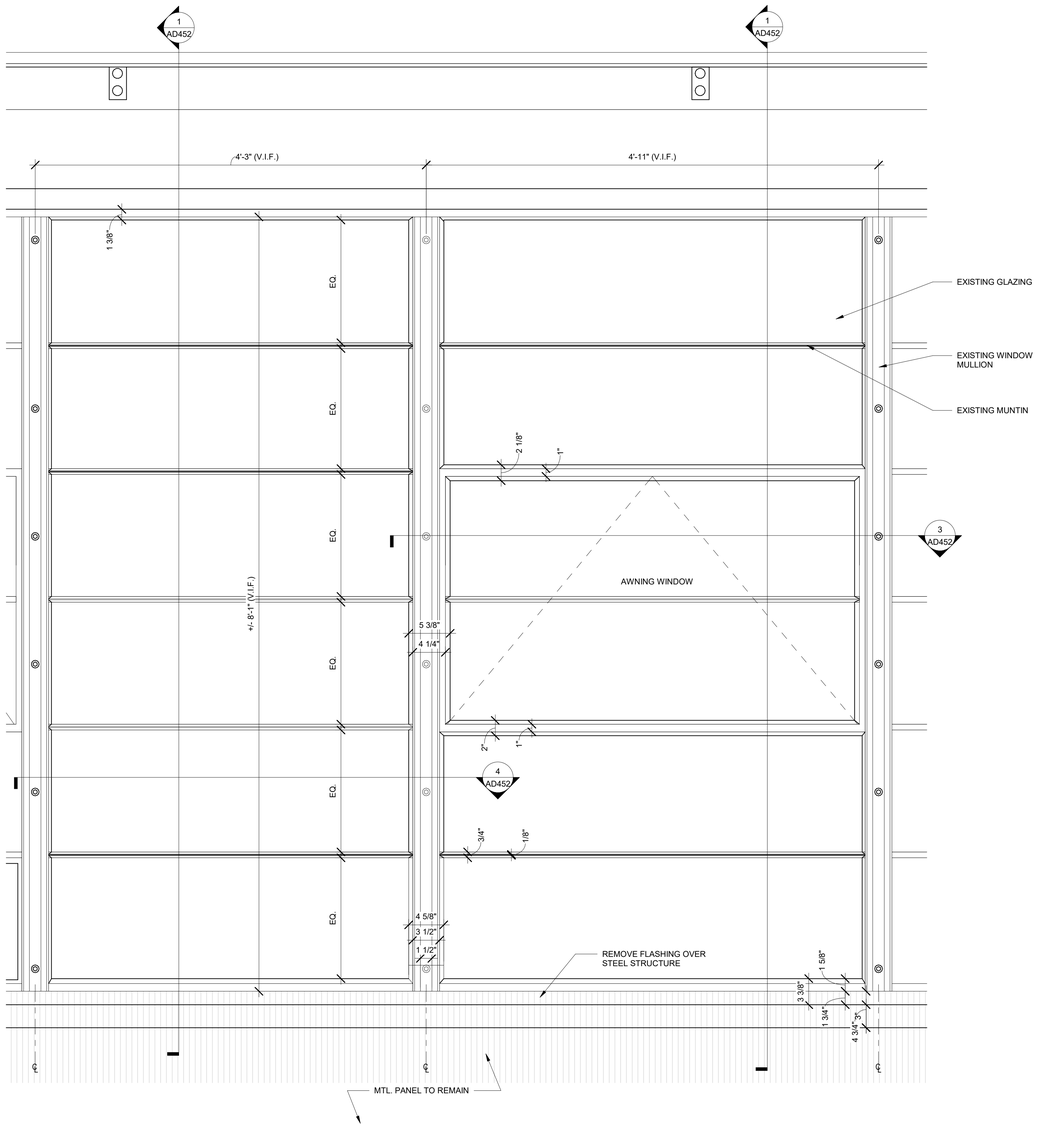
DWG. TITLE

ROOF DEMOLITION DETAILS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

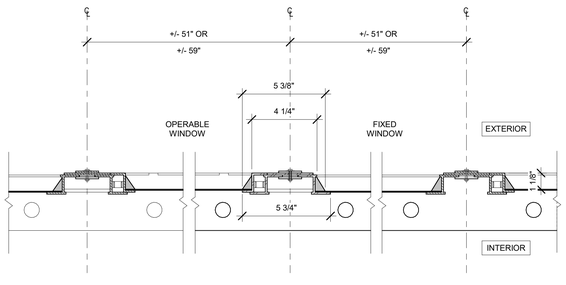
DATE	06/27/2025
SCALE	1 1/2" = 1'-0"
DWN.	MJC
CHK	BS1
PROJ. No.	432607
DWG. No.	

AD451



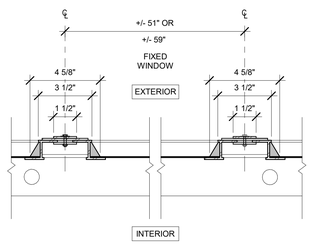
2 TYPICAL EXISTING WINDOW ELEVATION DETAIL (BAND WINDOWS) *FOR REFERENCE ONLY

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



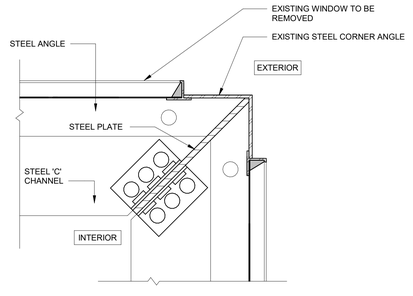
PLAN DETAIL
3 EXISTING OPERABLE WINDOW MULLION *FOR REFERENCE ONLY

SCALE: 3" = 1'-0"



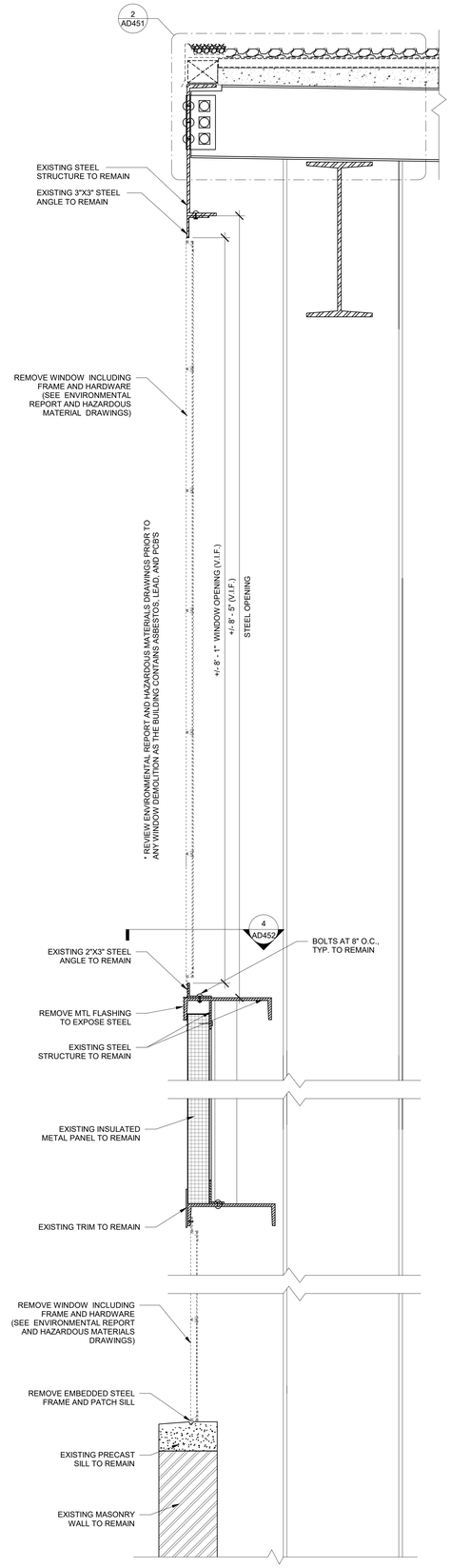
PLAN DETAIL
4 EXISTING FIXED WINDOW MULLION *FOR REFERENCE ONLY

SCALE: 3" = 1'-0"



PLAN DETAIL
5 EXISTING FIXED WINDOW MULLION *FOR REFERENCE ONLY

SCALE: 3" = 1'-0"



SECTION DETAIL
1 DEMOLITION FIXED WINDOW

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

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DWG. TITLE

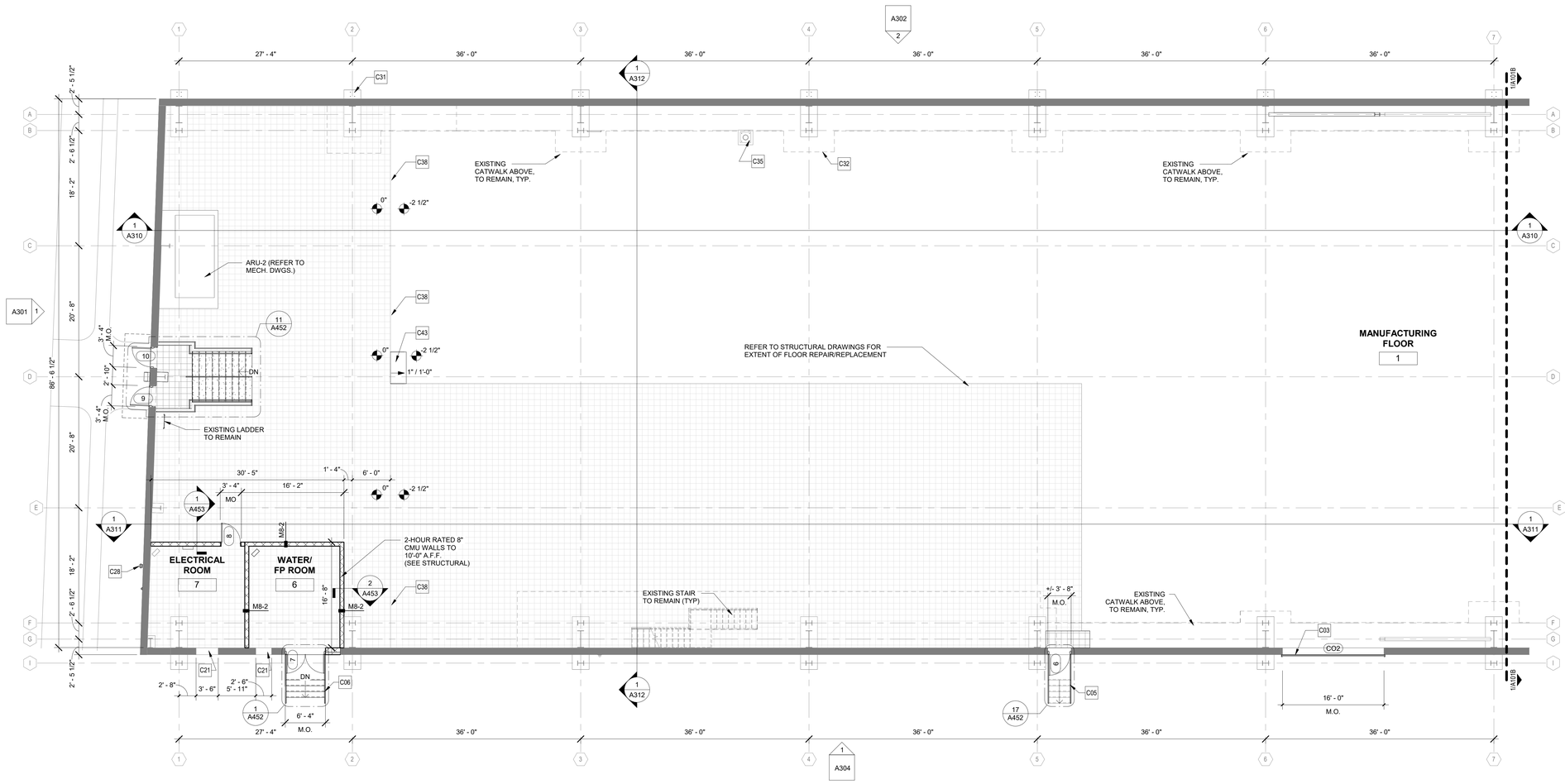
DEMOLITION WINDOW DETAILS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

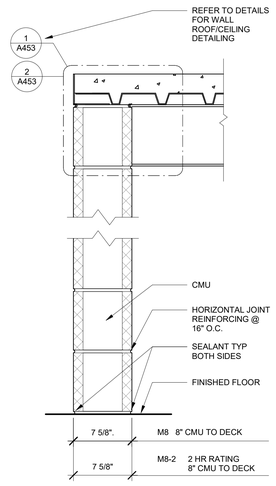
DATE	06/27/2025
SCALE	As indicated
DWN.	MJC CHK. BS1
PROJ. No.	432607
DWG. No.	

AD452

CONSTRUCTION KEYNOTES	
C03	PROVIDE HEAVY DUTY AUTOMATIC STEEL ROLL-UP DOOR.
C05	REPAIR STEEL STAIRS/LANDINGS/RAILINGS/GUARDS. PAINT ALL STEEL.
C06	PROVIDE STEEL STAIR AND LANDING AS DELEGATED DESIGN, INCLUDING ALL SUPPORTS AND HANDRAILS.
C21	MECHANICAL LOUVERS, COORDINATE SIZE AND LOCATION OF OPENING WITH MECHANICAL AND STRUCTURAL DRAWINGS.
C28	FIRE DEPARTMENT CONNECTION. CORE PENETRATION IN EXTERIOR WALL AS REQUIRED. SEE FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
C31	PROVIDE ABS PLASTIC ANCHOR BOLT CAPS AT ALL EXPOSED ANCHOR BOLTS TO REMAIN - (4) PER PIER, TYPICAL AT (8) PIERS.
C32	PRIME AND PAINT ALL EXISTING CATWALKS, SUPPORTS, BRACES, BRACKETS, STAIRS AND LADDERS, GUARDRAILS, HANDRAILS, TOE KICKS AND ASSOCIATED COMPONENTS. REER TO HAZARDOUS MATERIAL ABATEMENT DRAWINGS AND SPECIFICATIONS FOR SURFACE CLEANING AND PREPARATION.
C35	PRIME AND PAINT ALL EXISTING CRANES, HOISTS AND TROLLEYS, INCLUDING RAILS AND NON-MOVING PARTS. REFER TO HAZARDOUS MATERIAL ABATEMENT DRAWINGS AND SPECIFICATIONS FOR SURFACE CLEANING AND PREPARATION.
C38	ELEVATED PLATFORM. PAINT VERTICAL EDGE OF PLATFORM AND 4" HORIZONTAL STRIPE ALONG TOP EDGE (YELLOW).
C43	NEW LED WALLPACK. REFER TO ELECTRICAL DRAWINGS.

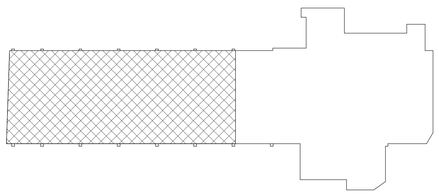


1 PLAN
GROUND FLOOR - NORTH
SCALE: 1/8" = 1'-0"



MASONRY PARTITIONS
FIRE RATINGS:
UL DESIGN U905
1 & 2 HR RATING

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



KEY PLAN

BUDC
Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION
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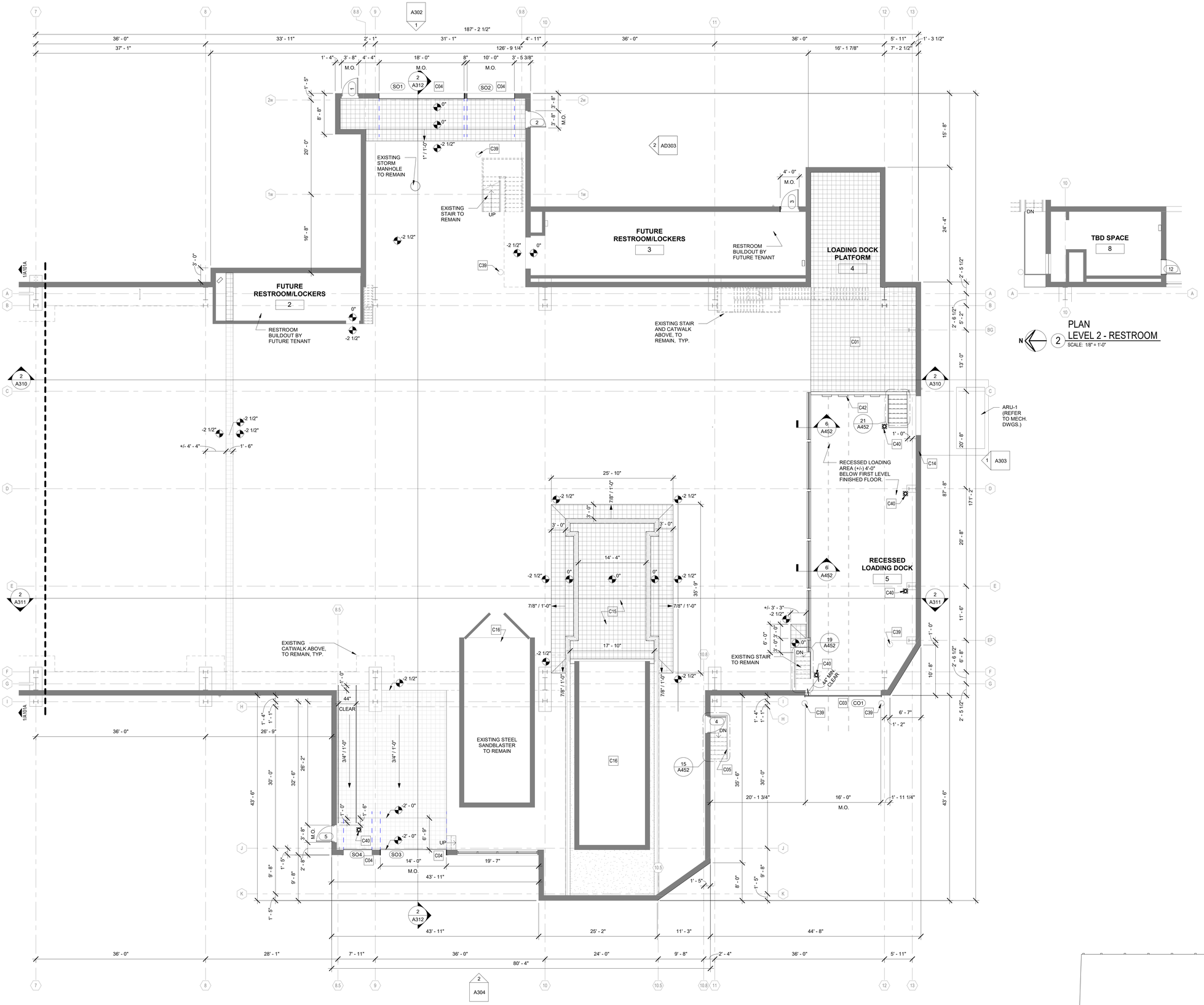
DWG. TITLE
PLAN - GROUND FLOOR - NORTH

0 1' 2'
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	As indicated
DWN.	MJC
CHK.	BS1
PROJ. No.	432607
DWG. No.	

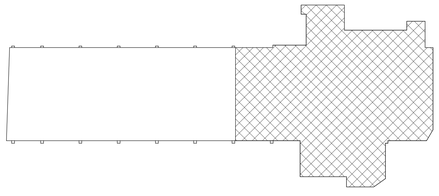
A101A

CONSTRUCTION KEYNOTES	
C01	PROVIDE STEEL AND CONCRETE PLATFORM TO ALLOW OFFLOADING OF TRUCKS. (+/- 850SF) REFER TO STRUCTURAL DRAWINGS.
C03	PROVIDE HEAVY DUTY AUTOMATIC STEEL ROLL-UP DOOR.
C04	PROVIDE ALUMINUM AND GLASS OVERHEAD DOOR.
C05	REPAIR STEEL STAIRS/LANDINGS/RAILINGS/GUARDS. PAINT ALL STEEL.
C14	PROVIDE LOUVER FOR NEW MECH. EQUIPMENT. REFER TO HVAC FOR SIZING. REFER TO STRUCTURAL FOR DETAILS.
C15	INFILL STEEL SLED PIT WITH CONCRETE, FLUSH TO ADJACENT CURB. REFER TO STRUCTURAL.
C16	EXISTING SANDBLASTER AND FURNACE TO REMAIN. REFER TO ENVIRONMENTAL DOCUMENTS. CLEAN SURFACES WITH LOW PRESSURE POWER WASHER.
C39	EXISTING 14 INCH DIAMETER BOLLARD TO REMAIN. CLEAN AND PAINT (YELLOW) WITH TWO COATS.
C40	SURFACE BOLLARD POSITIONED TO PROTECT EDGE OF EXISTING STAIR.
C42	PROVIDE NEW BACKER ROD AND SEAL IN EXISTING CONTROL JOINTS. TYPICAL OF ALL C.J. IN BUILDING, SEE 7/A453 FOR DETAIL.



PLAN
LEVEL 2 - RESTROOM
SCALE: 1/8" = 1'-0"

PLAN
GROUND FLOOR - SOUTH
SCALE: 1/8" = 1'-0"



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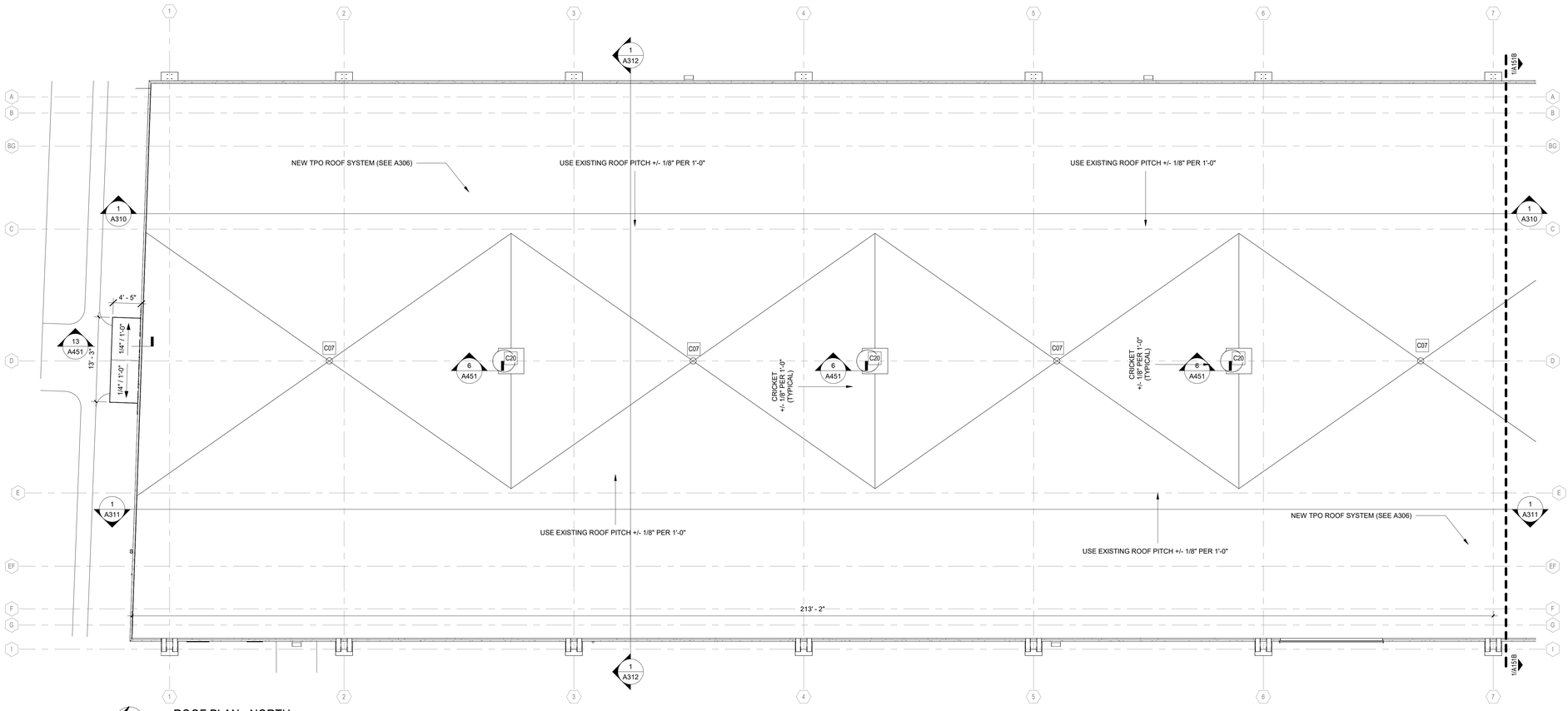
DWG. TITLE

PLAN - GROUND FLOOR - SOUTH

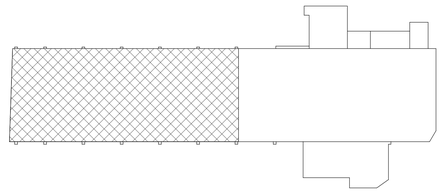
GENERIC SCALE BAR
0 1" 2"
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DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC
CHK.	BS
PROJ. No.	432607
DWG. No.	**A101B**

CONSTRUCTION KEYNOTES	
C07	PROVIDE ROOF DRAINS. REFER TO PLUMBING DRAWINGS. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL SUPPORT DETAILS.
C20	PROVIDE GRAVITY FED VENTS. REFER TO MECHANICAL DRAWINGS.



N 1 ROOF PLAN - NORTH
SCALE: 1/8" = 1'-0"



N KEY PLAN

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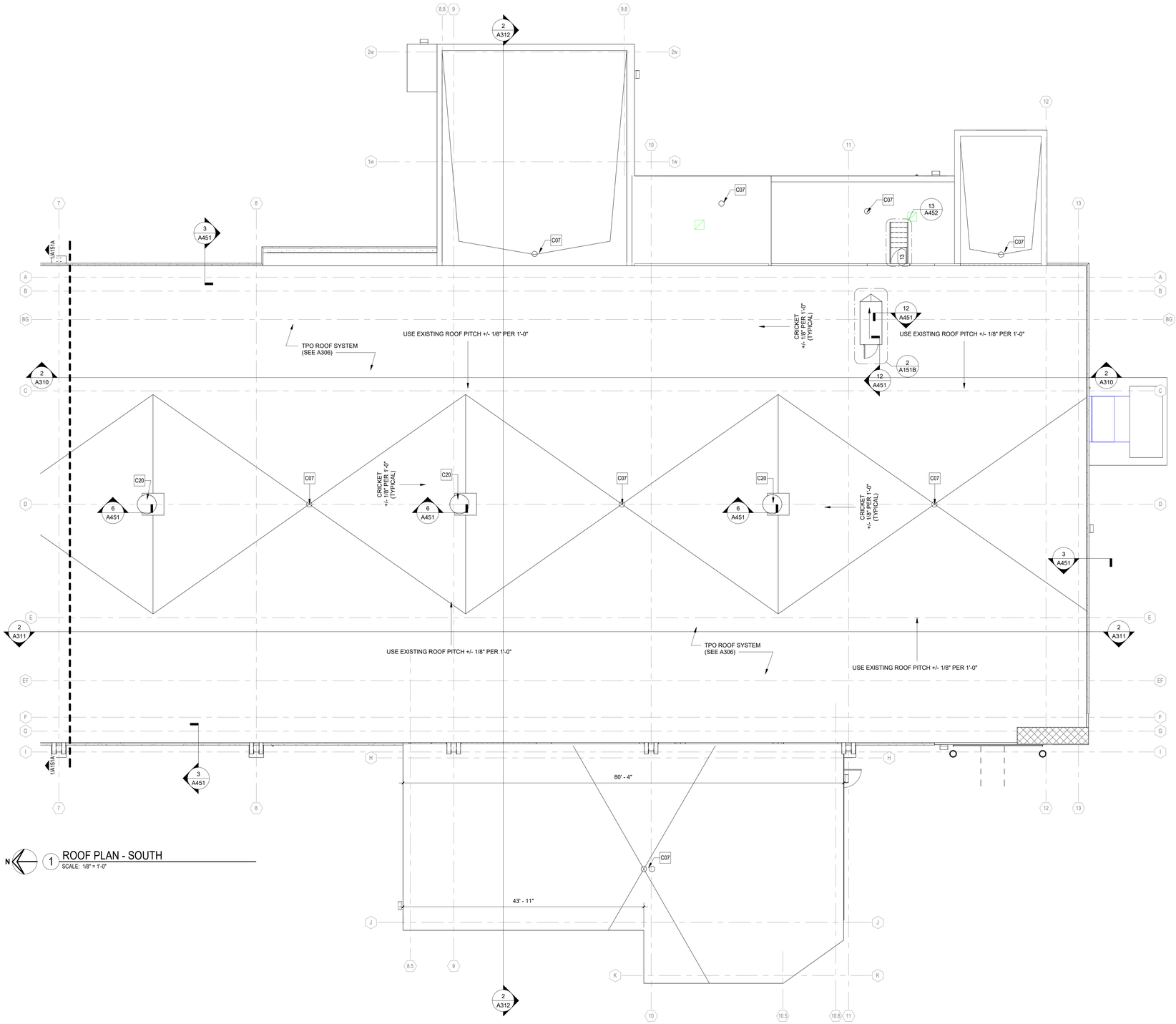
ROOF PLAN - NORTH

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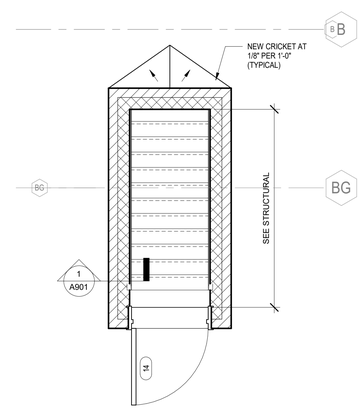
DATE	06/27/2025
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DWN.	MJC CHK. BS1
PROJ. No.	432607
DWG. No.	

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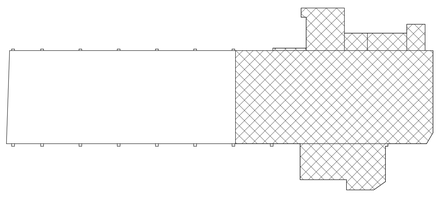
CONSTRUCTION KEYNOTES	
C07	PROVIDE ROOF DRAINS. REFER TO PLUMBING DRAWINGS. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL SUPPORT DETAILS.
C20	PROVIDE GRAVITY FED VENTS. REFER TO MECHANICAL DRAWINGS.



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



2 ENLARGED PLAN - ROOF PENTHOUSE
SCALE: 1/2" = 1'-0"



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ROOF PLAN - SOUTH

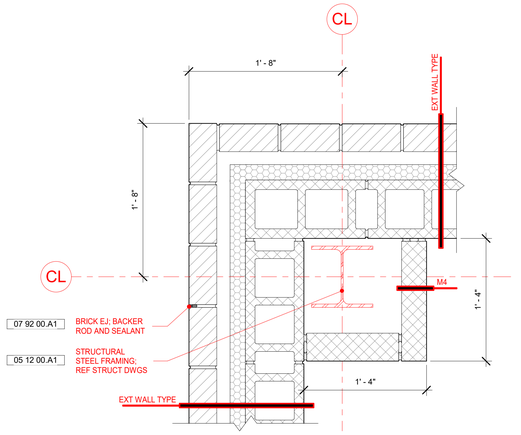
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PROJ. No.	432607
DWG. No.	

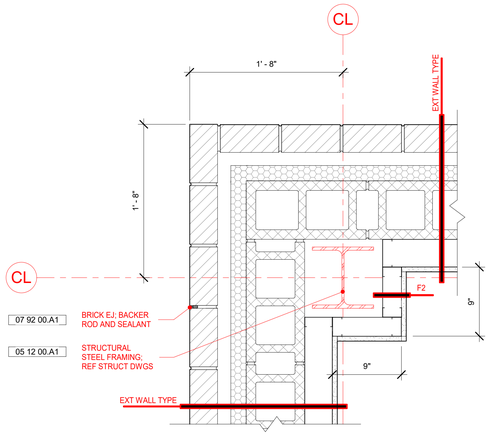
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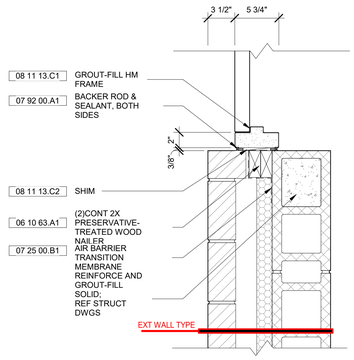
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06 10 63.A1	CONT 2X PRESERVATIVE-TREATED WOOD NAILER
07 25 00.B1	AIR BARRIER TRANSITION MEMBRANE
07 92 00.A1	BACKER ROD AND SEALANT
07 92 00.A3	SEALANT
08 11 13.C1	GROUT-FILL HOLLOW METAL FRAME
08 11 13.C2	SHIM
08 43 13.A1	ALUMINUM-FRAMED STOREFRONT
08 43 13.C1	
08 91 00.A1	LOUVER
08 91 00.C1	SHIM
09 81 00.C1	1" MICROLITE



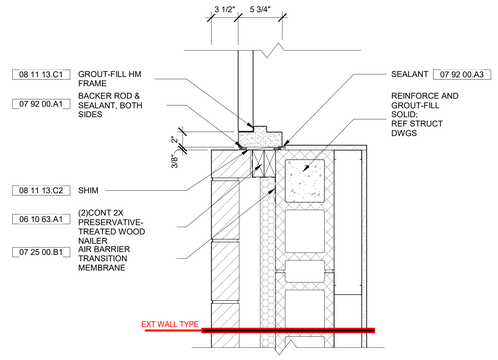
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SCALE: 1 1/2" = 1'-0"



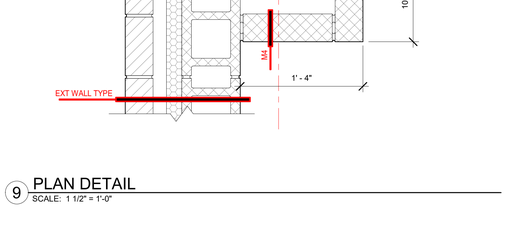
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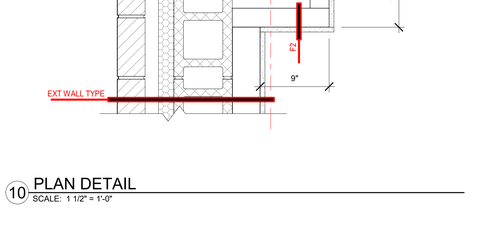
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SCALE: 1 1/2" = 1'-0"



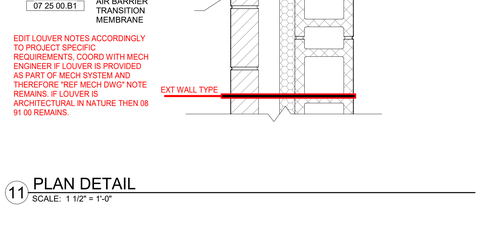
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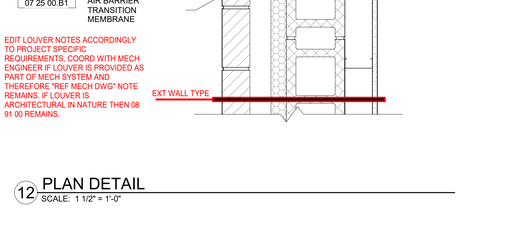
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SCALE: 1 1/2" = 1'-0"



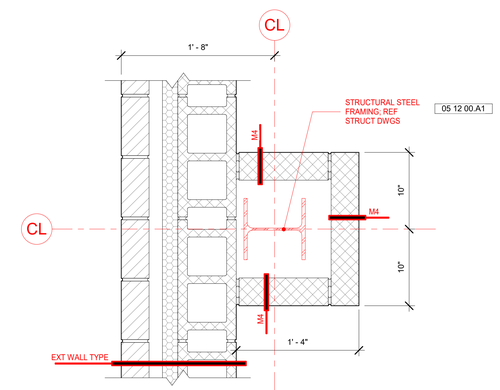
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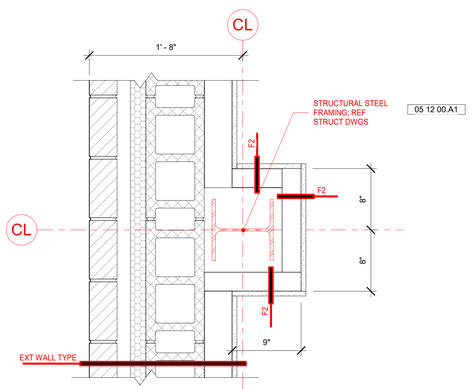
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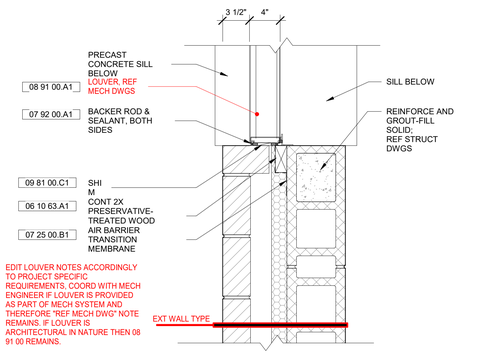
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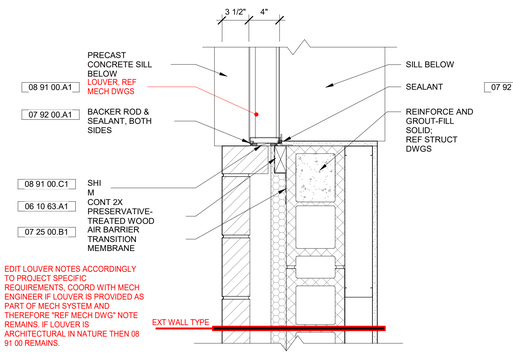
9 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



10 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



11 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



12 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

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		10/1/25

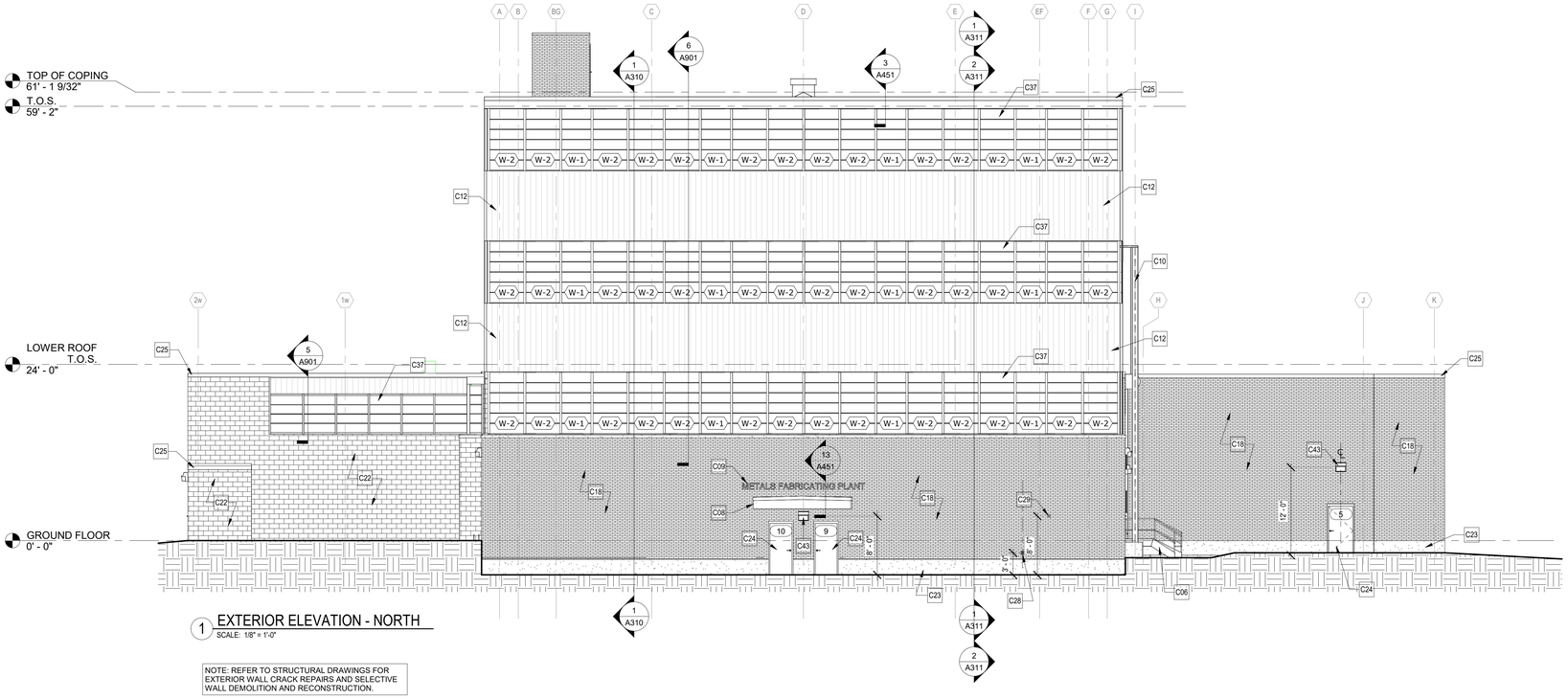
DWG. TITLE

PLAN DETAILS - BRICK, CMU BACKUP

0 1" 2"
GENERIC SCALE BAR
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DWN.	Author
CHK.	Checker
PROJ. No.	432607
DWG. No.	

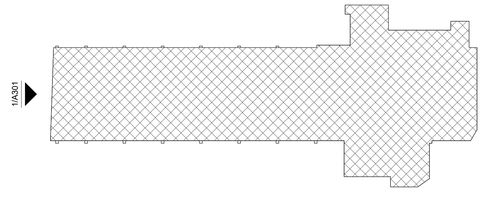
A251



1 EXTERIOR ELEVATION - NORTH
SCALE: 1/8" = 1'-0"

NOTE: REFER TO STRUCTURAL DRAWINGS FOR EXTERIOR WALL CRACK REPAIRS AND SELECTIVE WALL DEMOLITION AND RECONSTRUCTION.

CONSTRUCTION KEYNOTES	
C06	PROVIDE STEEL STAIR AND LANDING AS DELEGATED DESIGN, INCLUDING ALL SUPPORTS AND HANDRAILS.
C08	PROVIDE ALUMINUM PANEL AND METAL ROOFING (REFER TO STRUCTURAL)
C09	REPAIR LETTERING AND CLEAN.
C10	EXISTING LEAD BASED COATING TO BE REMOVED IN ITS ENTIRETY AND BE FIELD COATED WITH A CORROSION RESISTANT GALVANIZING PAINT. REFER TO HAZARDOUS MATERIAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
C12	CLEAN EXTERIOR OF METAL PANEL AND APPLY ONE COAT OF PROTECTIVE PAINT. DO NOT CLEAN INTERIOR SURFACE OF WALL PANELS AS THEY CONTAIN ASBESTOS CONTAINING MATERIALS (ACM). REFER TO HAZARDOUS MATERIAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
C18	CLEAN ALL EXTERIOR BRICK MASONRY USING THE GENTIEST MEANS POSSIBLE. REFER TO SPEC SECTIONS: 040110 - MASONRY CLEANING. REFER TO STRUCTURAL DRAWINGS AND SPEC SECTION 040120.63 - BRICK MASONRY REPAIR & SECTION 040120.64 - BRICK MASONRY REPOINTING.
C22	CLEAN ALL EXTERIOR CONCRETE MASONRY USING THE GENTLIEST MEANS POSSIBLE. REFER TO SPEC SECTIONS: 040110 - MASONRY CLEANING. REFER TO STRUCTURAL DRAWINGS. REMOVE EFFLORESCENCE AND LOOSE PAINT.
C23	CLEAN ALL EXTERIOR CONCRETE USING THE GENTLIEST MEANS POSSIBLE. REFER TO SPECS FOR CLEANING PROCESSES.
C24	HOLLOW METAL DOOR & FRAME IN EXISTING MASONRY OPENING. SEE DOOR SCHEDULE.
C25	ROOF EDGE FASCIA. THE EXPOSED STRUCTURAL STEEL AT THIS CONDITION INCLUDES LEAD BASED COATING TO BE REMOVED IN ITS ENTIRETY AND BE FIELD COATED WITH A CORROSION RESISTANT GALVANIZING PAINT. COORDINATE WITH HAZARDOUS MATERIALS FOR ADDITIONAL REQUIREMENTS. SEE ROOF PLAN.
C28	FIRE DEPARTMENT CONNECTION. CORE PENETRATION IN EXTERIOR WALL AS REQUIRED. SEE FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
C29	BELL STROBE. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
C37	PROVIDE ALUMINUM WINDOWS.
C43	NEW LED WALLPACK. REFER TO ELECTRICAL DRAWINGS.



N KEY PLAN

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Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

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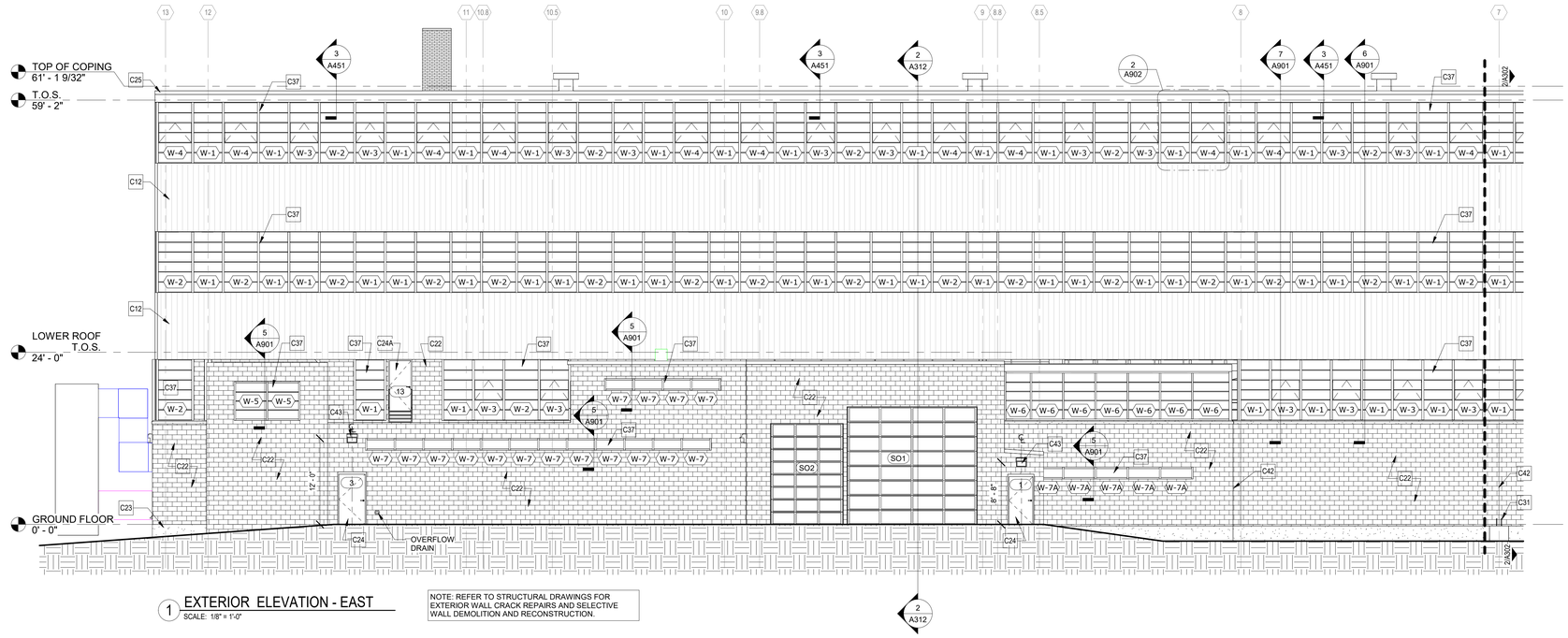
NO.	REVISIONS	DATE
01	ISSUED FOR PERMIT	10/1/25
00	ISSUED FOR BID	10/1/25

DWG. TITLE

EXTERIOR ELEVATION - NORTH

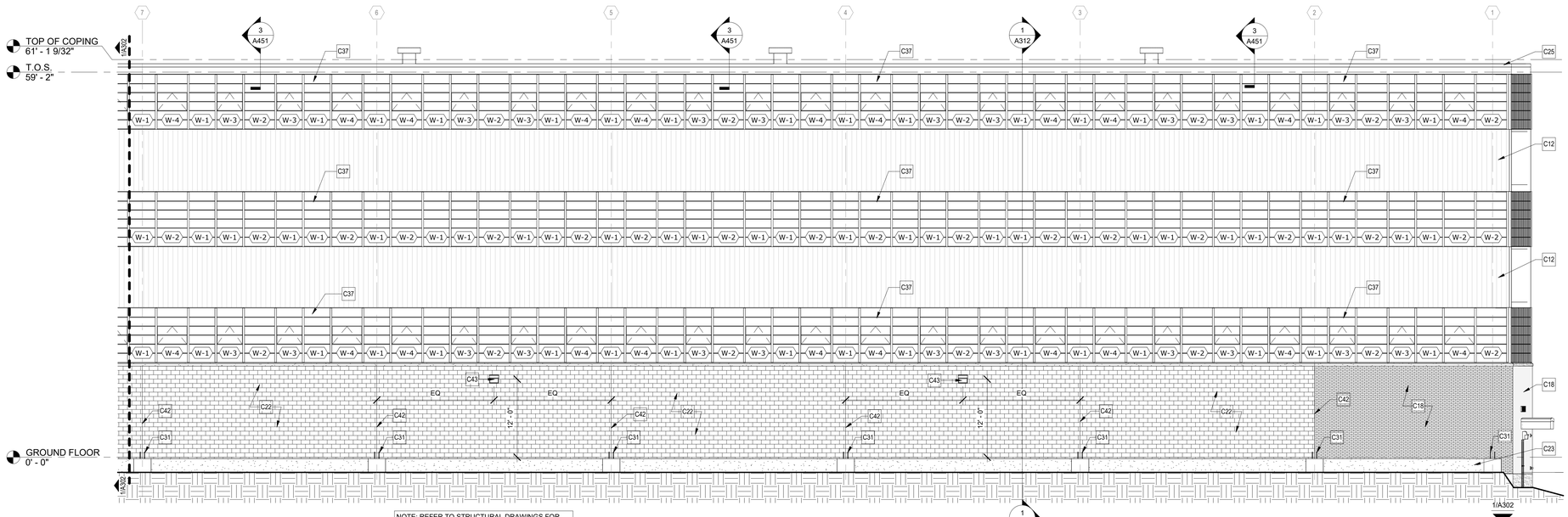
0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC CHK. BS1
PROJ. No.	432607
DWG. No.	**A301**



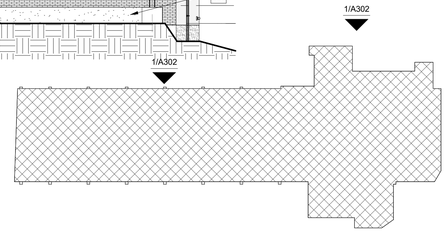
1 EXTERIOR ELEVATION - EAST
SCALE: 1/8" = 1'-0"

NOTE: REFER TO STRUCTURAL DRAWINGS FOR EXTERIOR WALL CRACK REPAIRS AND SELECTIVE WALL DEMOLITION AND RECONSTRUCTION.



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

NOTE: REFER TO STRUCTURAL DRAWINGS FOR EXTERIOR WALL CRACK REPAIRS AND SELECTIVE WALL DEMOLITION AND RECONSTRUCTION.



KEY PLAN

CONSTRUCTION KEYNOTES

C12	CLEAN EXTERIOR OF METAL PANEL AND APPLY ONE COAT OF PROTECTIVE PAINT. DO NOT CLEAN INTERIOR SURFACE OF WALL PANELS AS THEY CONTAIN ASBESTOS CONTAINING MATERIALS (ACM). REFER TO HAZARDOUS MATERIAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
C18	CLEAN ALL EXTERIOR BRICK MASONRY USING THE GENTIEST MEANS POSSIBLE. REFER TO SPEC SECTIONS: 040110 - MASONRY CLEANING. REFER TO STRUCTURAL DRAWINGS AND SPEC SECTION 040120.63 - BRICK MASONRY REPAIR & SECTION 040120.64 - BRICK MASONRY REPOINTING.
C22	CLEAN ALL EXTERIOR CONCRETE MASONRY USING THE GENTLIEST MEANS POSSIBLE. REFER TO SPEC SECTIONS: 040110 - MASONRY CLEANING. REFER TO STRUCTURAL DRAWINGS. REMOVE EFFLORESCENCE AND LOOSE PAINT.
C23	CLEAN ALL EXTERIOR CONCRETE USING THE GENTLIEST MEANS POSSIBLE. REFER TO SPECS FOR CLEANING PROCESSES.
C24	HOLLOW METAL DOOR & FRAME IN EXISTING MASONRY OPENING. SEE DOOR SCHEDULE.
C24A	HOLLOW METAL DOOR IN EXISTING FRAME. SEE DOOR SCHEDULE.
C25	ROOF EDGE FASCIA. THE EXPOSED STRUCTURAL STEEL AT THIS CONDITION INCLUDES LEAD BASED COATING TO BE REMOVED IN ITS ENTIRETY AND BE FIELD COATED WITH A CORROSION RESISTANT GALVANIZING PAINT. COORDINATE WITH HAZARDOUS MATERIALS FOR ADDITIONAL REQUIREMENTS. SEE ROOF PLAN.
C31	PROVIDE ABS PLASTIC ANCHOR BOLT CAPS AT ALL EXPOSED ANCHOR BOLTS TO REMAIN - (4) PER PIER, TYPICAL AT (8) PIERS.
C37	PROVIDE ALUMINUM WINDOWS.
C42	PROVIDE NEW BACKER ROD AND SEAL IN EXISTING CONTROL JOINTS. TYPICAL OF ALL C.J. IN BUILDING. SEE 7/A453 FOR DETAIL.
C43	NEW LED WALLPACK. REFER TO ELECTRICAL DRAWINGS.

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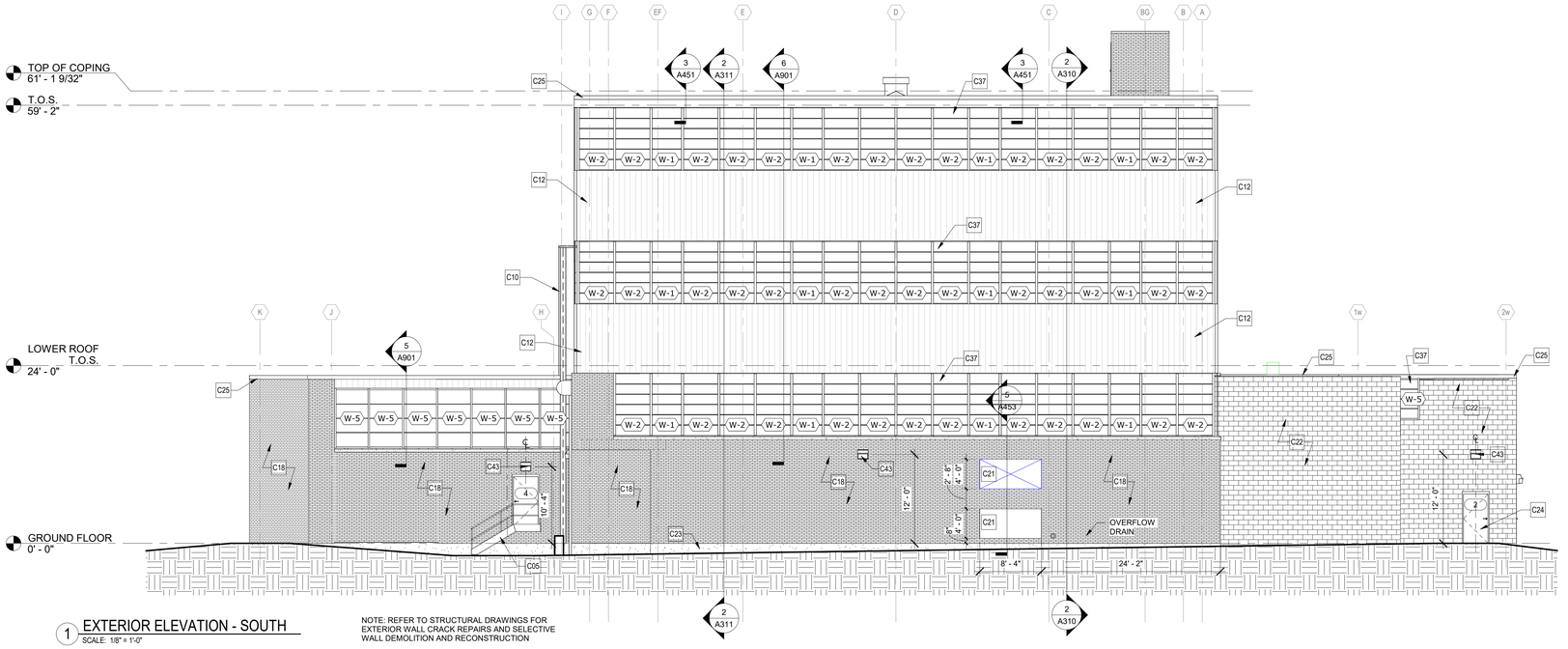
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DWG. TITLE

EXTERIOR ELEVATION - EAST

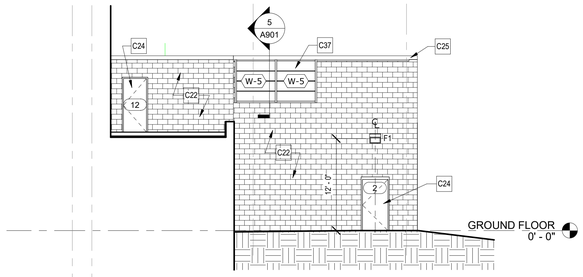
GENERIC SCALE BAR
0 1" 2"
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC CHK. BS1
PROJ. No.	432607
DWG. No.	**A302**

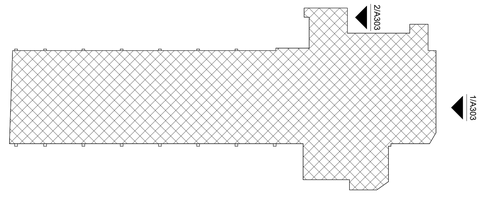


1 EXTERIOR ELEVATION - SOUTH
SCALE: 1/8" = 1'-0"

NOTE: REFER TO STRUCTURAL DRAWINGS FOR EXTERIOR WALL CRACK REPAIRS AND SELECTIVE WALL DEMOLITION AND RECONSTRUCTION



2 EXTERIOR ELEVATION - SOUTH - PARTIAL
SCALE: 1/8" = 1'-0"



KEY PLAN

CONSTRUCTION KEYNOTES	
C05	REPAIR STEEL STAIRS/LANDINGS/RAILINGS/GUARDS. PAINT ALL STEEL.
C10	EXISTING LEAD BASED COATING TO BE REMOVED IN ITS ENTIRETY AND BE FIELD COATED WITH A CORROSION RESISTANT GALVANIZING PAINT. REFER TO HAZARDOUS MATERIAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
C12	CLEAN EXTERIOR OF METAL PANEL AND APPLY ONE COAT OF PROTECTIVE PAINT. DO NOT CLEAN INTERIOR SURFACE OF WALL PANELS AS THEY CONTAIN ASBESTOS CONTAINING MATERIALS (ACM). REFER TO HAZARDOUS MATERIAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
C18	CLEAN ALL EXTERIOR BRICK MASONRY USING THE GENTIEST MEANS POSSIBLE. REFER TO SPEC SECTIONS: 040110 - MASONRY CLEANING. REFER TO STRUCTURAL DRAWINGS AND SPEC SECTION 040120.63 - BRICK MASONRY REPAIR & SECTION 040120.64 - BRICK MASONRY REPOINTING.
C21	MECHANICAL LOUVERS. COORDINATE SIZE AND LOCATION OF OPENING WITH MECHANICAL AND STRUCTURAL DRAWINGS.
C22	CLEAN ALL EXTERIOR CONCRETE MASONRY USING THE GENTLIEST MEANS POSSIBLE. REFER TO SPEC SECTIONS: 040110 - MASONRY CLEANING. REFER TO STRUCTURAL DRAWINGS. REMOVE EFFLORESCENCE AND LOOSE PAINT.
C23	CLEAN ALL EXTERIOR CONCRETE USING THE GENTLIEST MEANS POSSIBLE. REFER TO SPECS FOR CLEANING PROCESSES.
C24	HOLLOW METAL DOOR & FRAME IN EXISTING MASONRY OPENING. SEE DOOR SCHEDULE.
C25	ROOF EDGE FASCIA. THE EXPOSED STRUCTURAL STEEL AT THIS CONDITION INCLUDES LEAD BASED COATING TO BE REMOVED IN ITS ENTIRETY AND BE FIELD COATED WITH A CORROSION RESISTANT GALVANIZING PAINT. COORDINATE WITH HAZARDOUS MATERIALS FOR ADDITIONAL REQUIREMENTS. SEE ROOF PLAN.
C37	PROVIDE ALUMINUM WINDOWS.
C43	NEW LED WALLPACK. REFER TO ELECTRICAL DRAWINGS.

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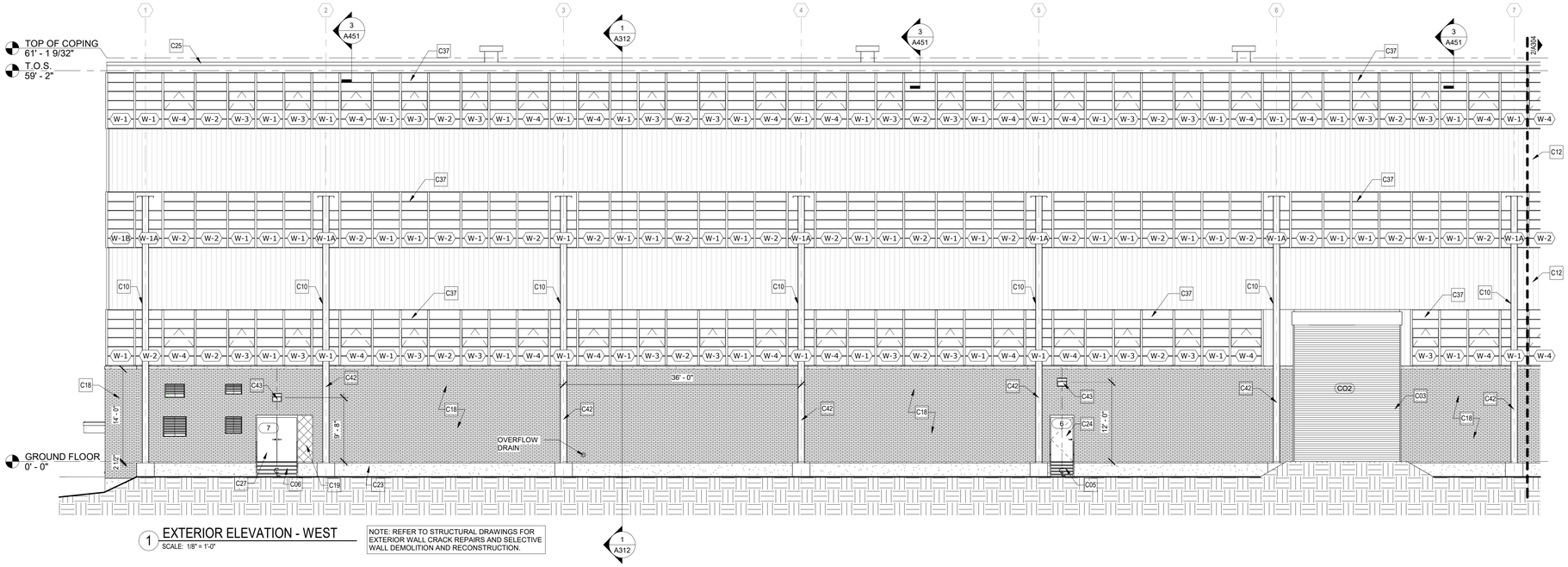
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EXTERIOR ELEVATION - SOUTH

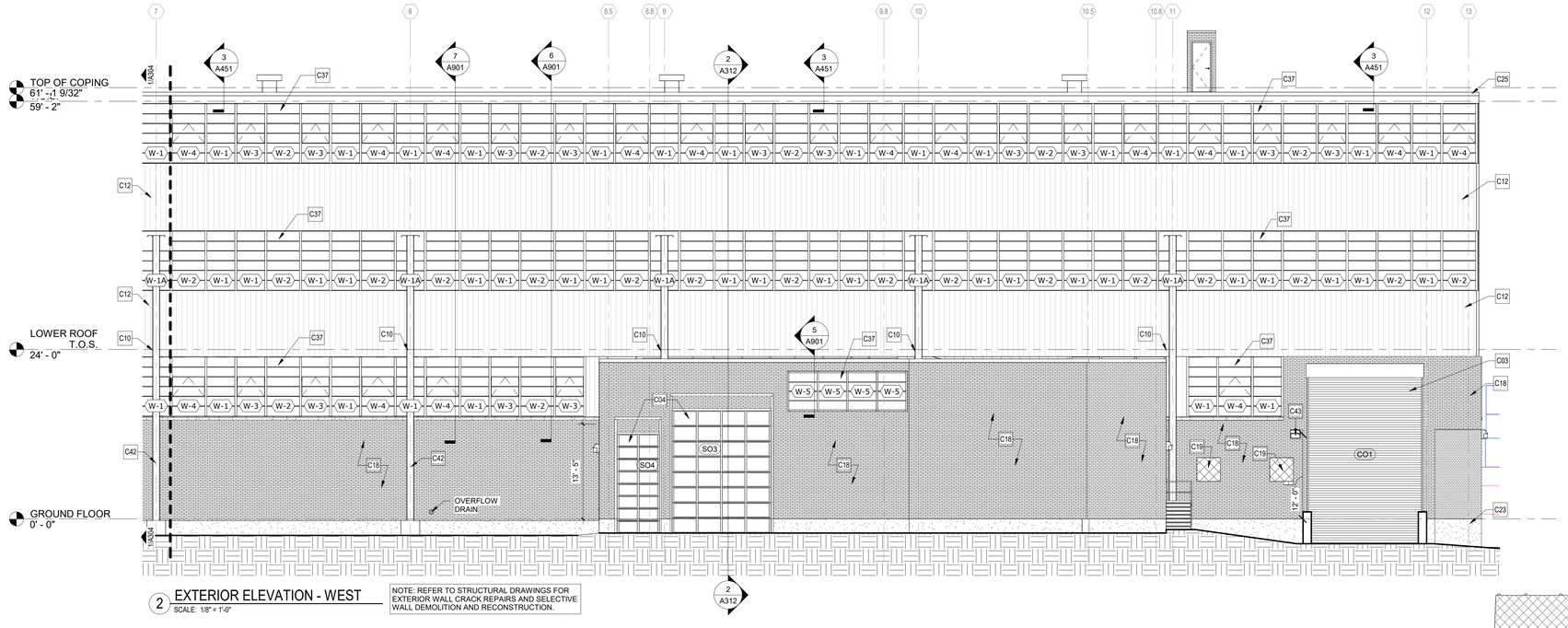
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC
CHK.	BS1
PROJ. No.	432607
DWG. No.	**A303**



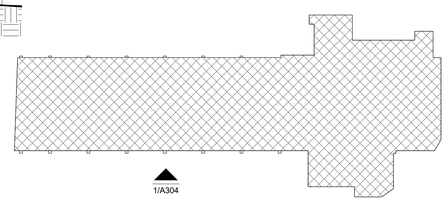
1 EXTERIOR ELEVATION - WEST
SCALE: 1/8" = 1'-0"

NOTE: REFER TO STRUCTURAL DRAWINGS FOR EXTERIOR WALL CRACK REPAIRS AND SELECTIVE WALL DEMOLITION AND RECONSTRUCTION.



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

NOTE: REFER TO STRUCTURAL DRAWINGS FOR EXTERIOR WALL CRACK REPAIRS AND SELECTIVE WALL DEMOLITION AND RECONSTRUCTION.



KEY PLAN

CONSTRUCTION KEYNOTES	
C03	PROVIDE HEAVY DUTY AUTOMATIC STEEL ROLL-UP DOOR.
C04	PROVIDE ALUMINUM AND GLASS OVERHEAD DOOR.
C05	REPAIR STEEL STAIRS/LANDINGS/RAILINGS/GUARDS. PAINT ALL STEEL.
C06	PROVIDE STEEL STAIR AND LANDING AS DELEGATED DESIGN, INCLUDING ALL SUPPORTS AND HANDRAILS.
C10	EXISTING LEAD BASED COATING TO BE REMOVED IN ITS ENTIRETY AND BE FIELD COATED WITH A CORROSION RESISTANT GALVANIZING PAINT. REFER TO HAZARDOUS MATERIAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
C12	CLEAN EXTERIOR OF METAL PANEL AND APPLY ONE COAT OF PROTECTIVE PAINT. DO NOT CLEAN INTERIOR SURFACE OF WALL PANELS AS THEY CONTAIN ASBESTOS CONTAINING MATERIALS (ACM). REFER TO HAZARDOUS MATERIAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
C18	CLEAN ALL EXTERIOR BRICK MASONRY USING THE GENTLEST MEANS POSSIBLE. REFER TO SPEC SECTIONS: 040110 - MASONRY CLEANING. REFER TO STRUCTURAL DRAWINGS AND SPEC SECTION 040120.63 - BRICK MASONRY REPAIR & SECTION 040120.64 - BRICK MASONRY REPOINTING.
C19	INFILL EXISTING MASONRY OPENING WITH BRICK MASONRY TO MATCH EXISTING. TOOTH-IN AT ADJACENT MASONRY, TYPICAL. SEE STRUCTURAL FOR DETAILS.
C23	CLEAN ALL EXTERIOR CONCRETE USING THE GENTLEST MEANS POSSIBLE. REFER TO SPECS FOR CLEANING PROCESSES.
C24	HOLLOW METAL DOOR & FRAME IN EXISTING MASONRY OPENING. SEE DOOR SCHEDULE.
C25	ROOF EDGE FASCIA. THE EXPOSED STRUCTURAL STEEL AT THIS CONDITION INCLUDES LEAD BASED COATING TO BE REMOVED IN ITS ENTIRETY AND BE FIELD COATED WITH A CORROSION RESISTANT GALVANIZING PAINT. COORDINATE WITH HAZARDOUS MATERIALS FOR ADDITIONAL REQUIREMENTS. SEE ROOF PLAN.
C27	HOLLOW METAL DOOR & FRAME IN MASONRY OPENING. SEE DOOR SCHEDULE. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
C37	PROVIDE ALUMINUM WINDOWS.
C42	PROVIDE NEW BACKER ROD AND SEAL IN EXISTING CONTROL JOINTS. TYPICAL OF ALL C.J. IN BUILDING. SEE 7/A453 FOR DETAIL.
C43	NEW LED WALLPACK. REFER TO ELECTRICAL DRAWINGS.

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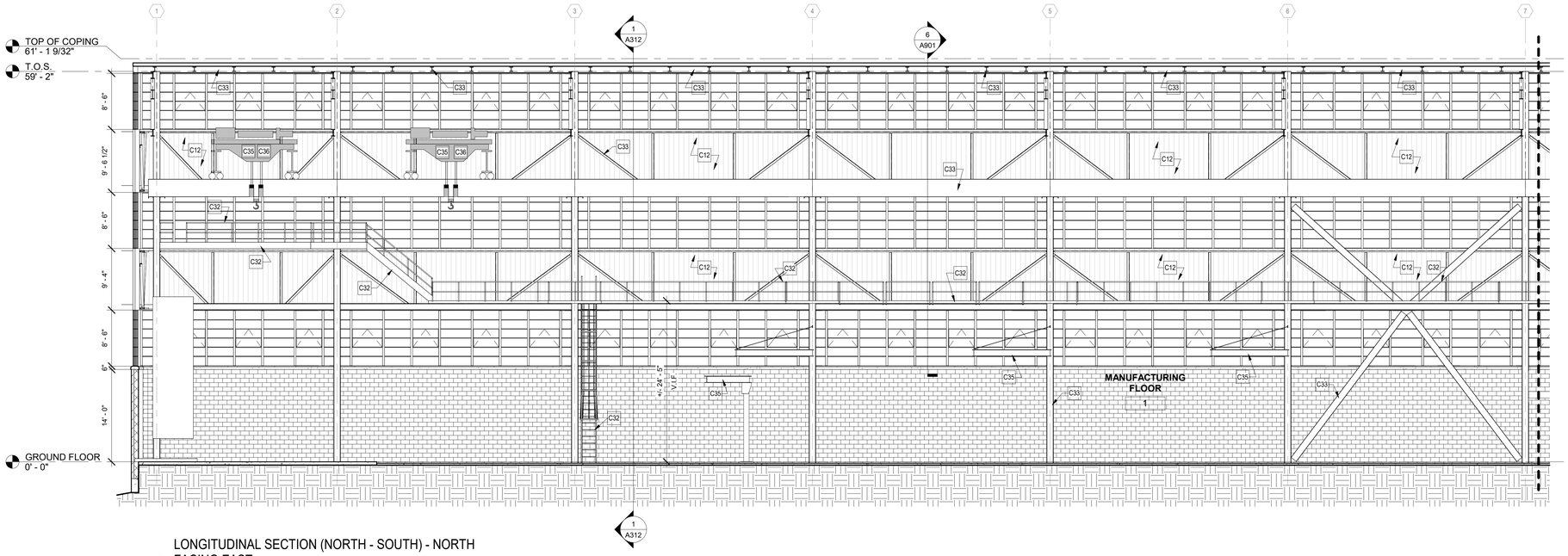
NO.	REVISIONS	DATE
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DWG. TITLE

EXTERIOR ELEVATION - WEST

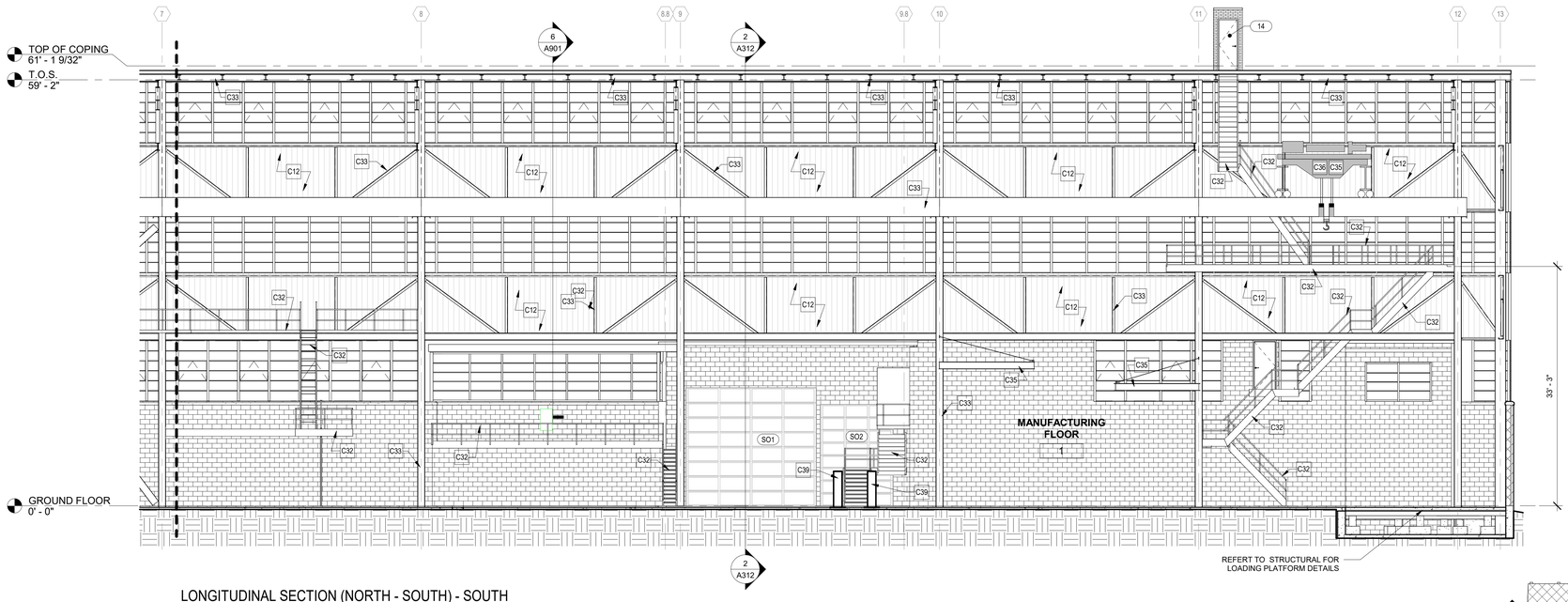
GENERIC SCALE BAR
0 1" 2"
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DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC
CHK.	BS1
PROJ. No.	432607
DWG. No.	**A304**



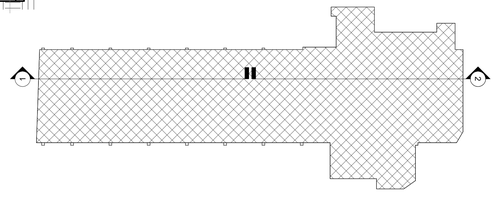
1 LONGITUDINAL SECTION (NORTH - SOUTH) - NORTH FACING EAST

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



2 LONGITUDINAL SECTION (NORTH - SOUTH) - SOUTH FACING EAST

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



KEY PLAN

CONSTRUCTION KEYNOTES	
C12	CLEAN EXTERIOR OF METAL PANEL AND APPLY ONE COAT OF PROTECTIVE PAINT. DO NOT CLEAN INTERIOR SURFACE OF WALL PANELS AS THEY CONTAIN ASBESTOS CONTAINING MATERIALS (ACM). REFER TO HAZARDOUS MATERIAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
C32	PRIME AND PAINT ALL EXISTING CATWALKS, SUPPORTS, BRACES, BRACKETS, STAIRS AND LADDERS, GUARDRAILS, HANDRAILS, TOE KICKS AND ASSOCIATED COMPONENTS. REER TO HAZARDOUS MATERIAL ABATEMENT DRAWINGS AND SPECIFICATIONS FOR SURFACE CLEANING AND PREPARATION.
C33	PRIME AND PAINT ALL EXISTING INTERIOR AND EXTERIOR BEAMS, GIRDERS, JOISTS, COUMNS, BRACES, BRACKETS, STRUCTURAL AND MISCELLANEOUS STEEL AND ASSOCIATED COPONENTS. REFER TO HAZARDOUS MATERIAL ABATEMENT DRAWINGS AND SPECIFICATIONS FOR SURFACE CLEANING AND PREPARATION.
C35	PRIME AND PAINT ALL EXISTING CRANES, HOISTS AND TROLLEYS, INCLUDING RAILS AND NON-MOVING PARTS. REFER TO HAZARDOUS MATERIAL ABATEMENT DRAWINGS AND SPECIFICATIONS FOR SURFACE CLEANING AND PREPARATION.
C36	EXISTING CRANES TO BE LEFT IN PLACE. DISCONNECT ALL ELECTRICAL SERVICES. REMOVE ROTTING WOOD CATWALKS. CONFIRM NO HYDRAULIC LEAKS. WELD (2) STEEL ANGLES ON BEAM TRACK TO SECURE IN PLACE. CLEAN AND PAINT WITH TWO COATS TO PAINT.
C39	EXISTING 14 INCH DIAMETER BOLLARD TO REMAIN. CLEAN AND PAINT (YELLOW) WITH TWO COATS.

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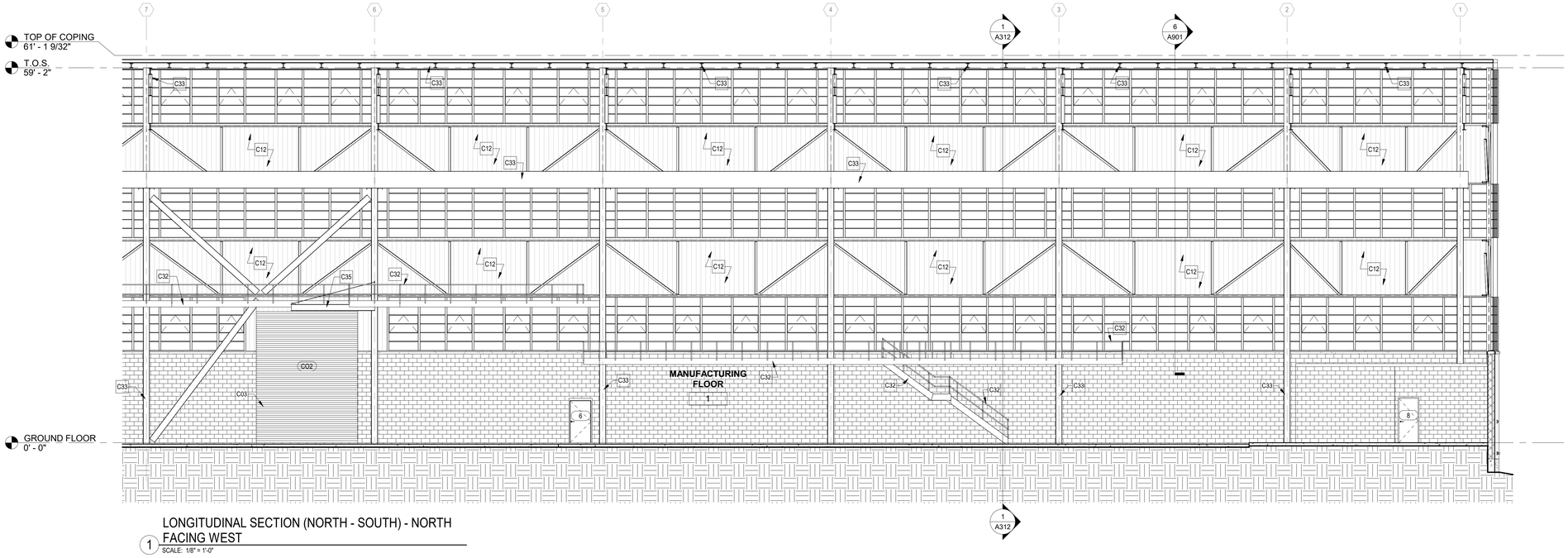
DWG. TITLE

BUILDING SECTIONS

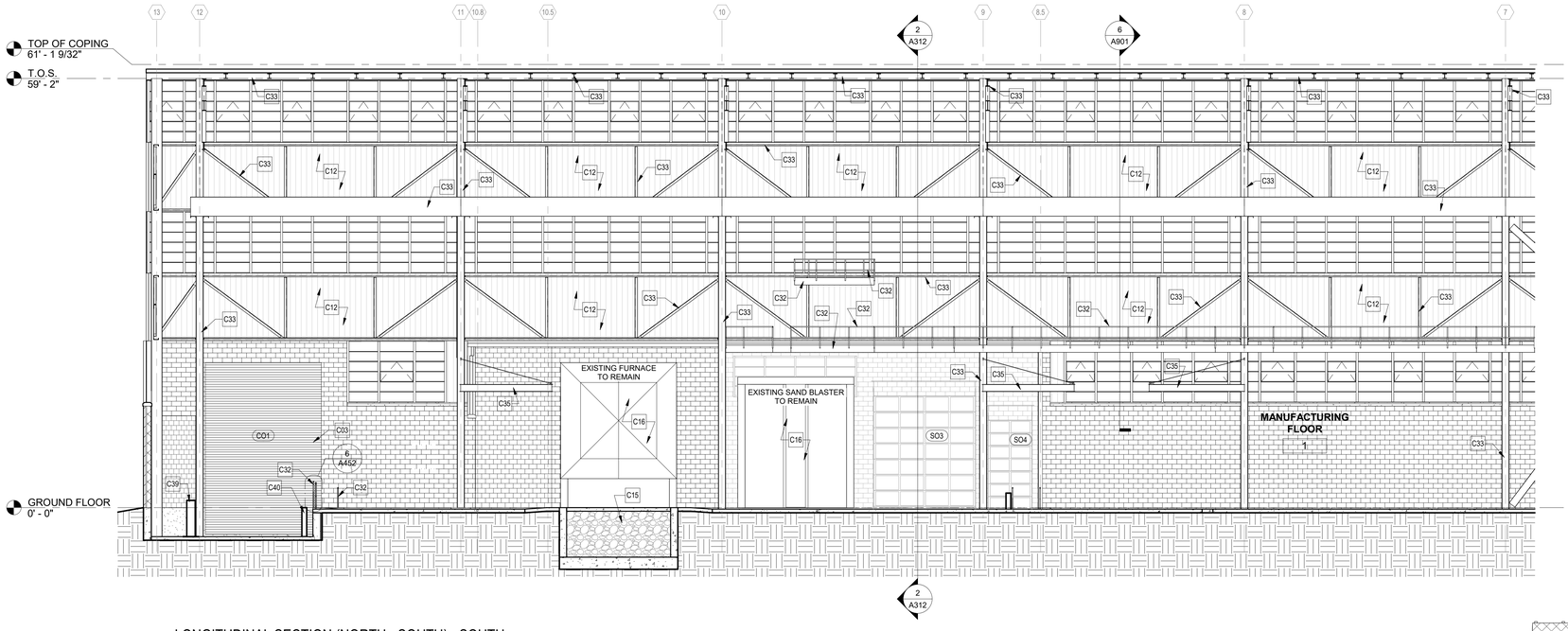
FOR REFERENCE ONLY

GENERIC SCALE BAR
0 1" 2"
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

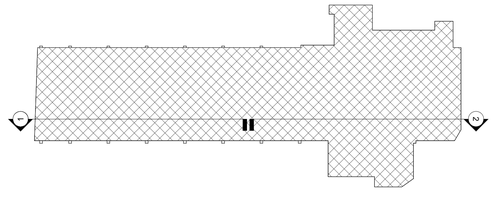
DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC CHK. BS1
PROJ. No.	432607
DWG. No.	**A310**



1 LONGITUDINAL SECTION (NORTH - SOUTH) - NORTH FACING WEST
SCALE: 1/8" = 1'-0"



2 LONGITUDINAL SECTION (NORTH - SOUTH) - SOUTH FACING WEST
SCALE: 1/8" = 1'-0"



N KEY PLAN

CONSTRUCTION KEYNOTES

C03	PROVIDE HEAVY DUTY AUTOMATIC STEEL ROLL-UP DOOR.
C12	CLEAN EXTERIOR OF METAL PANEL AND APPLY ONE COAT OF PROTECTIVE PAINT. DO NOT CLEAN INTERIOR SURFACE OF WALL PANELS AS THEY CONTAIN ASBESTOS CONTAINING MATERIALS (ACM). REFER TO HAZARDOUS MATERIAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
C15	INFILL STEEL SLED PIT WITH CONCRETE, FLUSH TO ADJACENT CURB. REFER TO STRUCTURAL.
C16	EXISTING SANDBLASTER AND FURNACE TO REMAIN. REFER TO ENVIRONMENTAL DOCUMENTS. CLEAN SURFACES WITH LOW PRESSURE POWER WASHER.
C32	PRIME AND PAINT ALL EXISTING CATWALKS, SUPPORTS, BRACES, BRACKETS, STAIRS AND LADDERS, GUARDRAILS, HANDRAILS, TOE KICKS AND ASSOCIATED COMPONENTS. REER TO HAZARDOUS MATERIAL ABATEMENT DRAWINGS AND SPECIFICATIONS FOR SURFACE CLEANING AND PREPARATION.
C33	PRIME AND PAINT ALL EXISTING INTERIOR AND EXTERIOR BEAMS, GIRDERS, JOISTS, COUMNS, BRACES, BRACKETS, STRUCTURAL AND MISCELLANEOUS STEEL AND ASSOCIATED COPONENTS. REFER TO HAZARDOUS MATERIAL ABATEMENT DRAWINGS AND SPECIFICATIONS FOR SURFACE CLEANING AND PREPARATION.
C35	PRIME AND PAINT ALL EXISTING CRANES, HOISTS AND TROLLEYS, INCLUDING RAILS AND NON-MOVING PARTS. REFER TO HAZARDOUS MATERIAL ABATEMENT DRAWINGS AND SPECIFICATIONS FOR SURFACE CLEANING AND PREPARATION.
C39	EXISTING 14 INCH DIAMETER BOLLARD TO REMAIN. CLEAN AND PAINT (YELLOW) WITH TWO COATS.
C40	SURFACE BOLLARD POSITIONED TO PROTECT EDGE OF EXISTING STAIR.

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Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

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INDUSTRIAL MANUFACTURING BUILDING

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00	ISSUED FOR BID	10/1/25

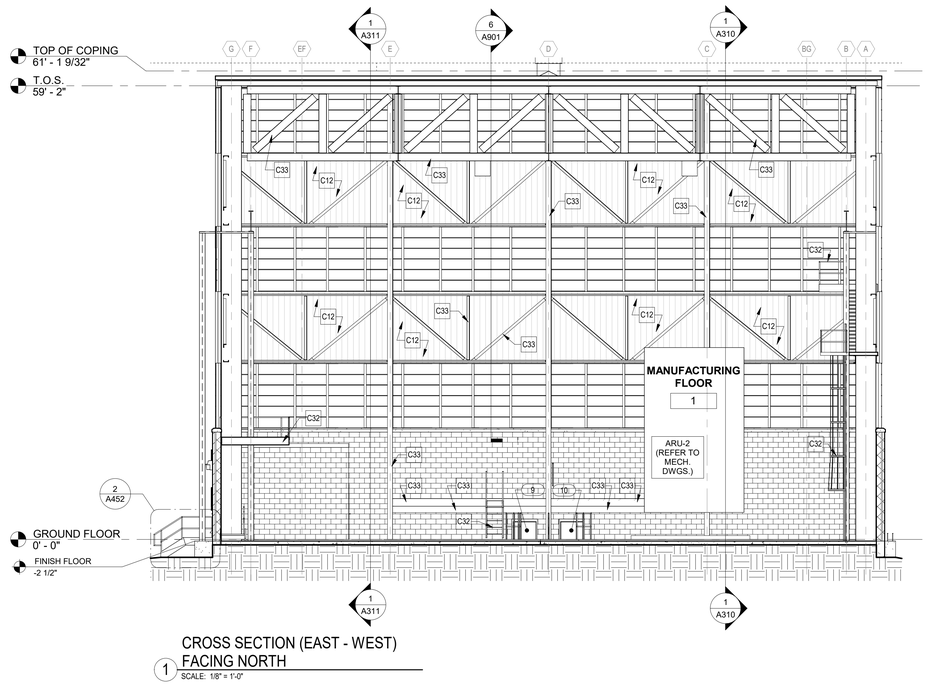
DWG. TITLE

BUILDING SECTIONS

FOR REFERENCE ONLY

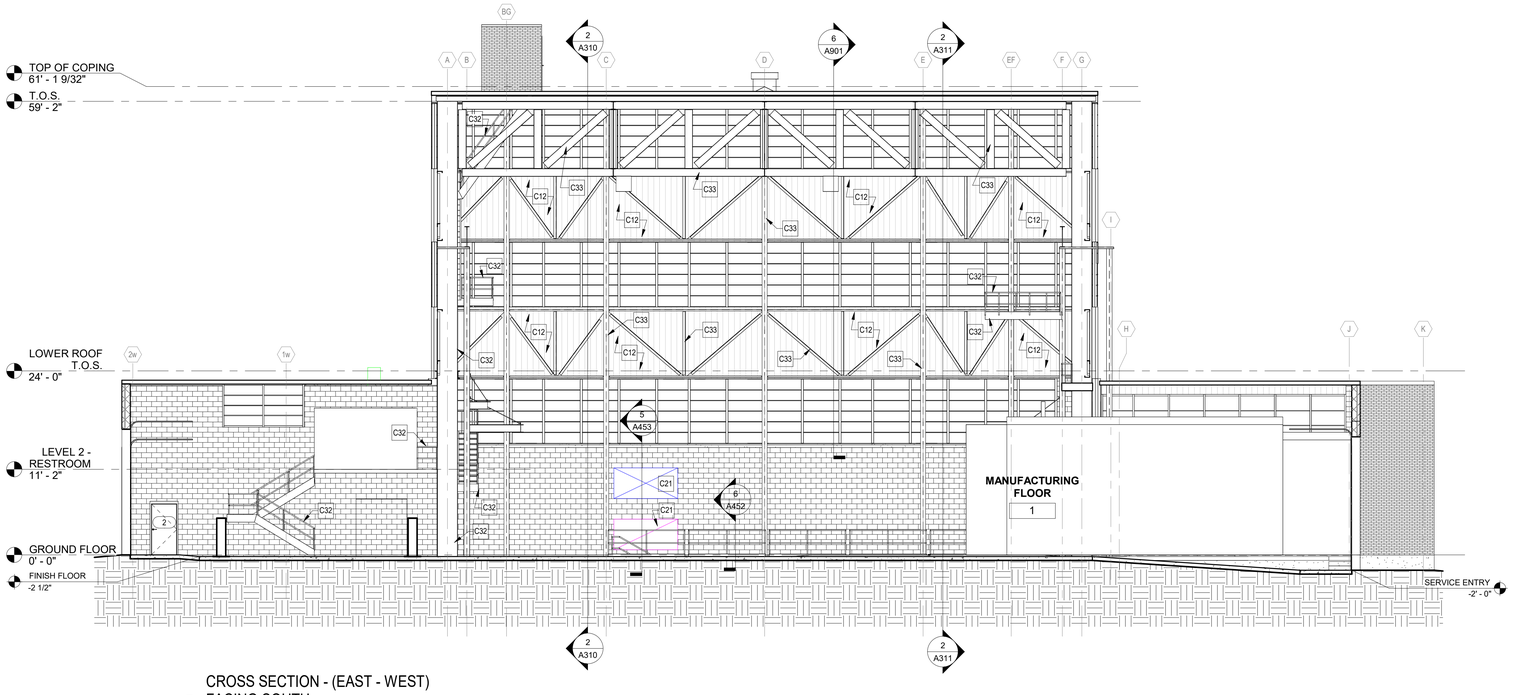
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SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC CHK. BS1
PROJ. No.	432607
DWG. No.	**A311**



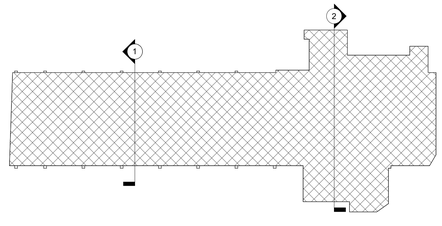
CROSS SECTION (EAST - WEST) FACING NORTH

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



CROSS SECTION - (EAST - WEST) FACING SOUTH

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



KEY PLAN

CONSTRUCTION KEYNOTES	
C12	CLEAN EXTERIOR OF METAL PANEL AND APPLY ONE COAT OF PROTECTIVE PAINT. DO NOT CLEAN INTERIOR SURFACE OF WALL PANELS AS THEY CONTAIN ASBESTOS CONTAINING MATERIALS (ACM). REFER TO HAZARDOUS MATERIAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
C21	MECHANICAL LOUVERS, COORDINATE SIZE AND LOCATION OF OPENING WITH MECHANICAL AND STRUCTURAL DRAWINGS.
C32	PRIME AND PAINT ALL EXISTING CATWALKS, SUPPORTS, BRACES, BRACKETS, STAIRS AND LADDERS, GUARDRAILS, HANDRAILS, TOE KICKS AND ASSOCIATED COMPONENTS. REER TO HAZARDOUS MATERIAL ABATEMENT DRAWINGS AND SPECIFICATIONS FOR SURFACE CLEANING AND PREPARATION.
C33	PRIME AND PAINT ALL EXISTING INTERIOR AND EXTERIOR BEAMS, GIRDERS, JOISTS, COUMNS, BRACES, BRACKETS, STRUCTURAL AND MISCELLANEOUS STEEL AND ASSOCIATED COPONENTS. REFER TO HAZARDOUS MATERIAL ABATEMENT DRAWINGS AND SPECIFICATIONS FOR SURFACE CLEANING AND PREPARATION.

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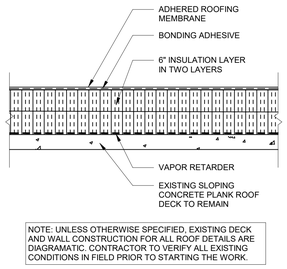
DWG. TITLE

BUILDING SECTIONS

FOR REFERENCE ONLY

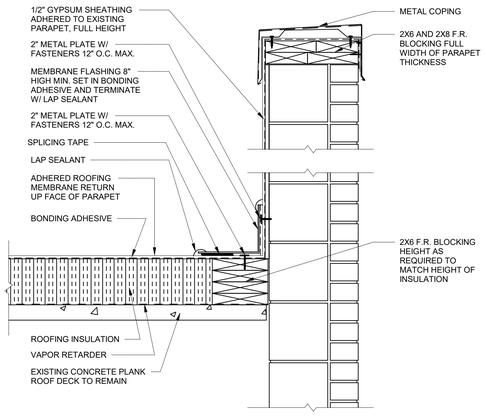
GENERIC SCALE BAR
0 1" 2"
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	1/8" = 1'-0"
DWN.	MJC CHK. BS1
PROJ. No.	432607
DWG. No.	**A312**

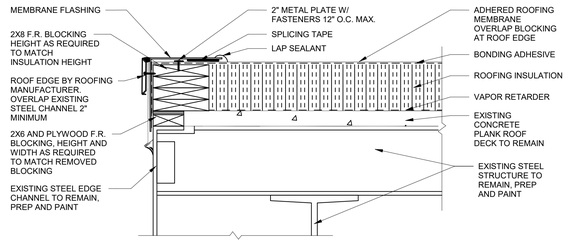


NOTE: UNLESS OTHERWISE SPECIFIED, EXISTING DECK AND WALL CONSTRUCTION FOR ALL ROOF DETAILS ARE DIAGRAMATIC. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS IN FIELD PRIOR TO STARTING THE WORK.

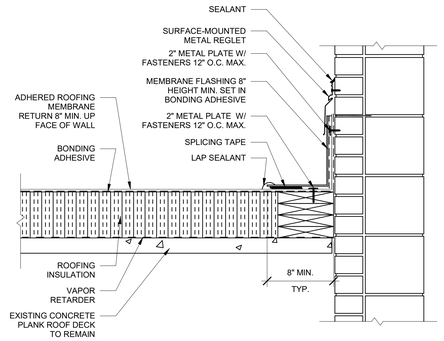
1 ROOF CONSTRUCTION
SCALE: 1 1/2" = 1'-0"



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



3 ROOF EDGE DETAIL
SCALE: 1 1/2" = 1'-0"



4 WALL FLASHING DETAIL
SCALE: 1 1/2" = 1'-0"

GENERAL ROOF NOTES:

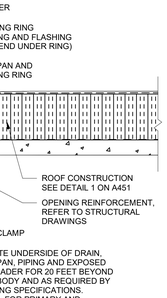
1. THE PROJECT SPECIFICATIONS ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND WILL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND GENERAL NOTES. IN CASES, IF ANY, WHERE REQUIREMENTS INDICATED ON THE ARCHITECTURAL DRAWINGS DIFFER FROM THE SPECIFICATIONS, NOTIFY THE ARCHITECT.
2. UNLESS OTHERWISE NOTED, DETAILS, SECTIONS AND NOTES CONTAINED IN THE ARCHITECTURAL CONTRACT DOCUMENTS WILL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS EVEN IF NOT EXPLICITLY REFERENCED.
3. DEFICIENT WORK AND/OR WORK NOT IN CONFORMANCE WITH THE CONTRACT DOCUMENTS WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL REIMBURSE THE PARTIES REQUIRED FOR PERFORMING THE DESIGN SERVICES ARISING FROM DEFICIENT WORK, REVIEW OF MODIFICATIONS/CONTRACTOR SUBSTITUTION, OR EXPEDITING OF SUBMITTALS.
4. COST OF INVESTIGATION AND/OR REDESIGN INCURRED BY THE ARCHITECT DUE TO CONTRACTOR ERRORS WILL BE AT THE CONTRACTOR'S EXPENSE.
5. VERIFY IN THE FIELD (VIF) ALL EXISTING JOB CONDITIONS. REVIEW ALL CONTRACT DRAWINGS, AND VERIFY DIMENSIONS AND ELEVATIONS NOTED IN THE CONTRACT DOCUMENTS PRIOR TO THE START OF WORK.
6. USE ONLY DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE THESE DRAWINGS OR USE DIMENSIONS OBTAINED FROM ELECTRONIC DRAWING OR MODEL FILES, IF PROVIDED.

ENERGY CALCULATIONS:

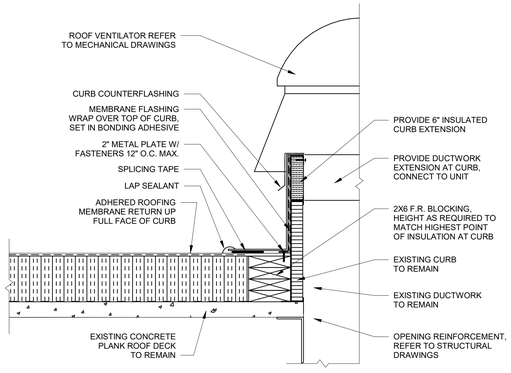
R-VALUES

EXISTING SLOPED DECK:

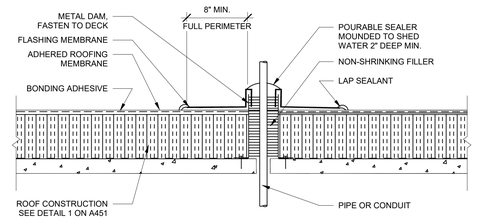
6.00" CONTINUOUS BOARD INSULATION:	34.80
MINIMUM R VALUE REQUIRED:	30.00



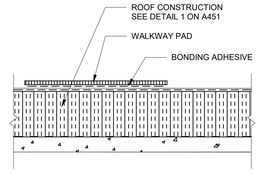
5 ROOF DRAIN DETAIL
SCALE: 1 1/2" = 1'-0"



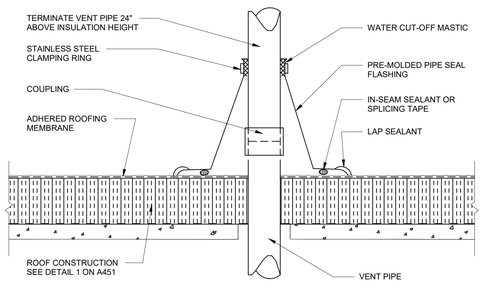
6 EQUIPMENT CURB DETAIL
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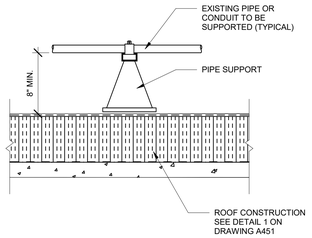
7 PITCH POCKET DETAIL
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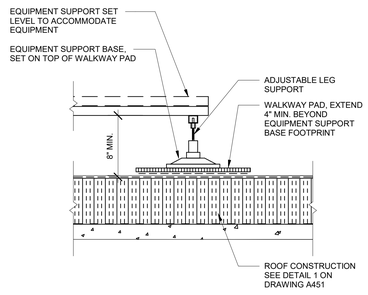
8 WALKWAY DETAIL
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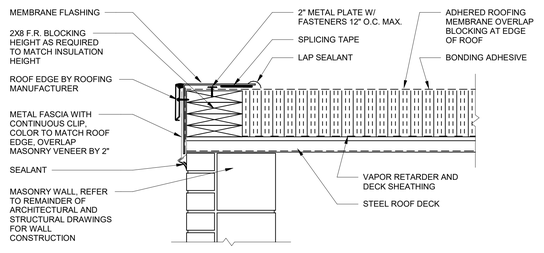
9 VENT DETAIL
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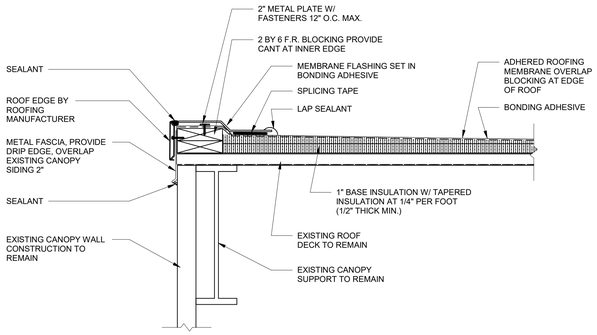
10 PIPE SUPPORT DETAIL
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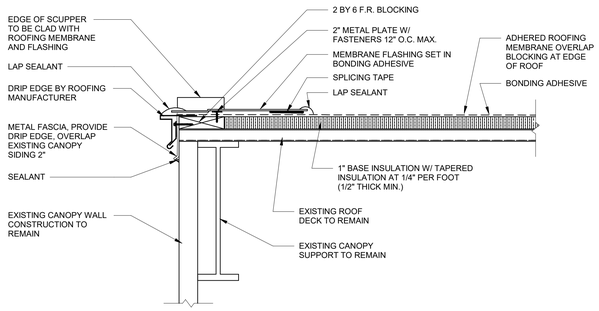
11 EQUIPMENT SUPPORT DETAIL
SCALE: 1 1/2" = 1'-0"



12 ROOF EDGE DETAIL AT ROOF ACCESS
SCALE: 1 1/2" = 1'-0"



13 ROOF EDGE DETAIL AT CANOPY
SCALE: 1 1/2" = 1'-0"



14 SCUPPER DETAIL AT CANOPY
SCALE: 1 1/2" = 1'-0"

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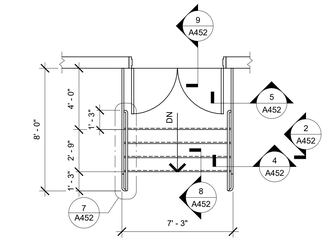
DWG. TITLE

ROOF DETAILS

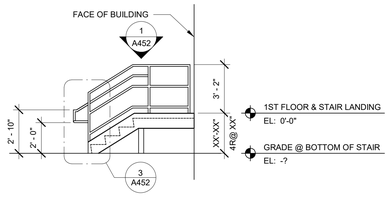
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GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	As indicated
DWN.	MJC
CHK.	BS1
PROJ. No.	432607
DWG. No.	

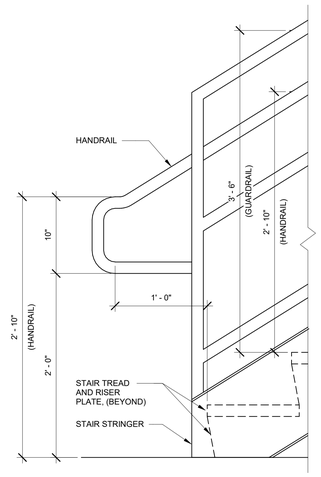
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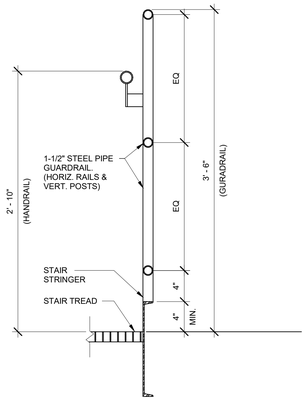
1 EXTERIOR STAIR PLAN
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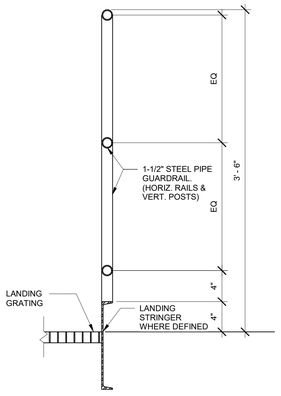
2 EXTERIOR STAIR ELEVATION
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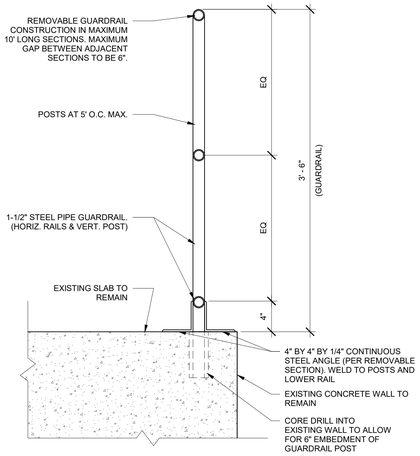
3 HANDRAIL DETAIL
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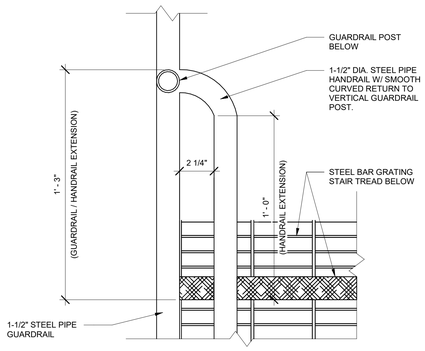
4 GUARDRAIL/HANDRAIL DETAIL
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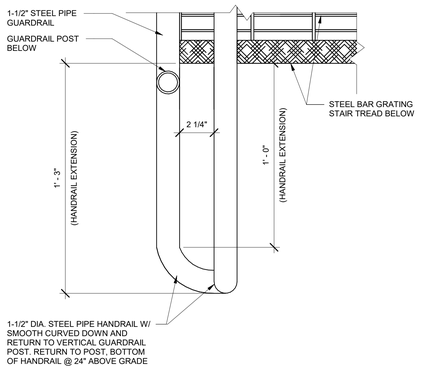


5 GUARDRAIL/HANDRAIL DETAIL
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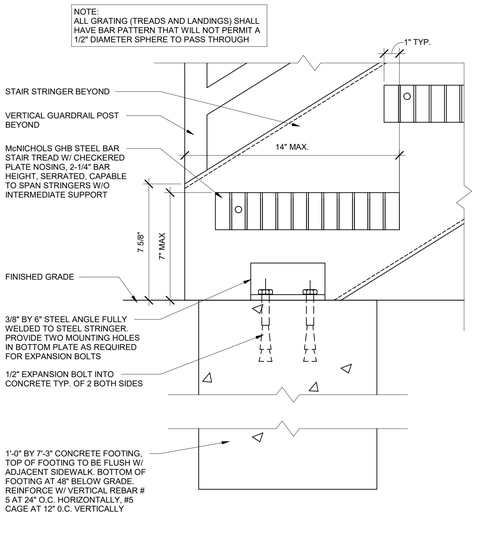


6 REMOVABLE GUARDRAIL DETAIL
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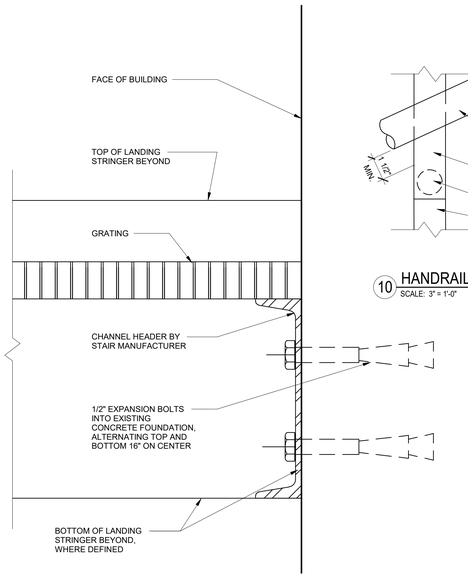




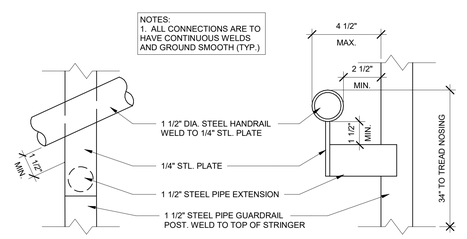
7 HANDRAIL EXTENSION DETAIL
SCALE: 3" = 1'-0"



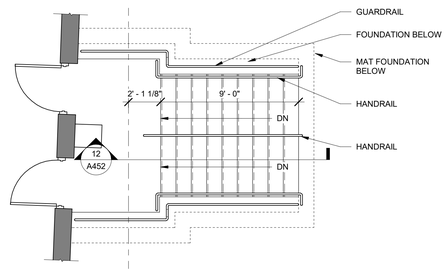
8 STRINGER ATTACHMENT AT BASE
SCALE: 3" = 1'-0"



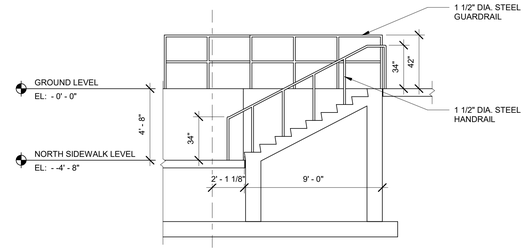
9 STRINGER ATTACHMENT AT WALL
SCALE: 3" = 1'-0"



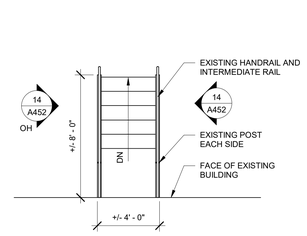
10 HANDRAIL DETAILS
SCALE: 3" = 1'-0"



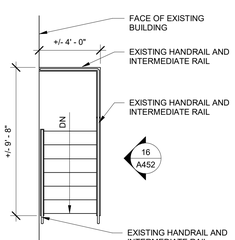
11 PLAN - STAIR AT NORTH ENTRANCE
SCALE: 1/4" = 1'-0"



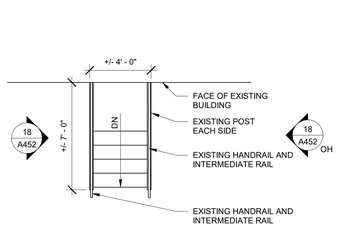
12 STAIR ELEVATION @ NORTH ENTRANCE
SCALE: 1/4" = 1'-0"



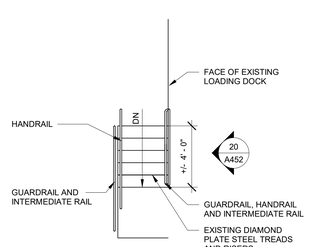
13 PLAN - EXISTING STAIR AT LOW ROOF
SCALE: 1/4" = 1'-0"



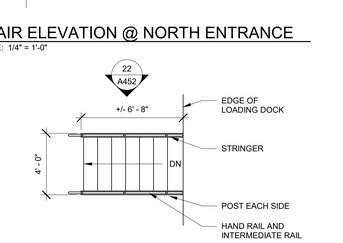
15 PLAN - EXISTING STAIR AT FURNACE
SCALE: 1/4" = 1'-0"



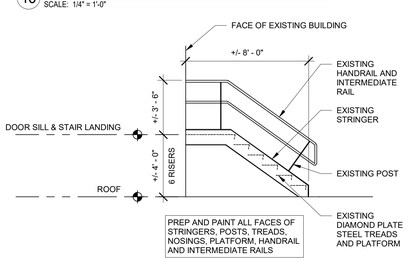
17 PLAN - EXISTING STAIR AT WEST ELEVATION
SCALE: 1/4" = 1'-0"



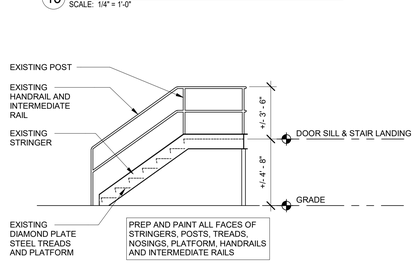
19 PLAN - EXISTING STAIR AT LOADING DOCK
SCALE: 1/4" = 1'-0"



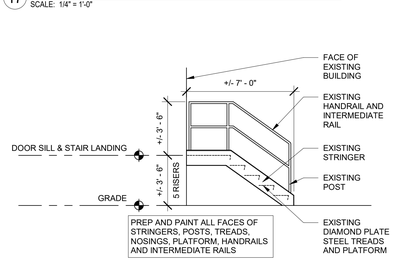
21 PLAN - STAIR @ LOADING DOCK
SCALE: 1/4" = 1'-0"



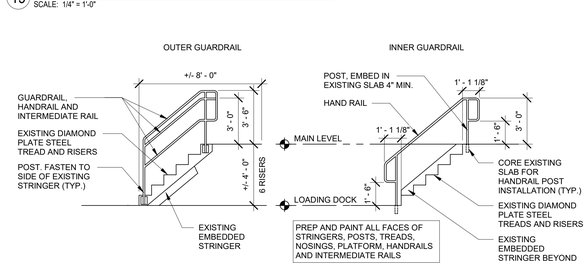
14 ELEVATION - EXISTING STAIR AT LOW ROOF
SCALE: 1/4" = 1'-0"



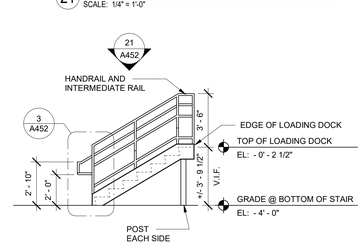
16 ELEVATION - EXISTING STAIR AT FURNACE
SCALE: 1/4" = 1'-0"



18 PLAN - EXISTING STAIR AT WEST ELEVATION
SCALE: 1/4" = 1'-0"



20 PLAN - EXISTING STAIR AT LOADING DOCK
SCALE: 1/4" = 1'-0"



22 STAIR ELEVATION @ LOADING DOCK
SCALE: 1/4" = 1'-0"

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Hon. Christopher P. Scanlon, Chairman

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BAC [A+P] Tri-Main Center
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Buffalo, NY 14214
P.716.931.5827
Barbara A. Campagna/Architecture + Planning, PLLC

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574 Main Street, Suite 205
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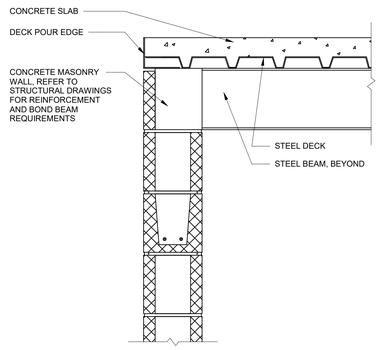
NO.	REVISIONS	DATE
01	ISSUED FOR PERMIT	10/1/25
00	ISSUED FOR BID	10/1/25

DWG. TITLE

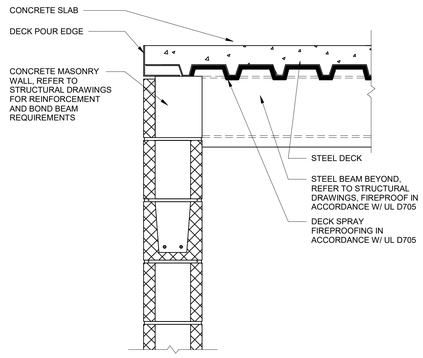
STAIR DETAILS

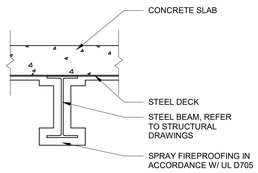
0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	06/27/2025
SCALE	As indicated
DWN.	MJC CHK. BS1
PROJ. No.	432607
DWG. No.	**A452**

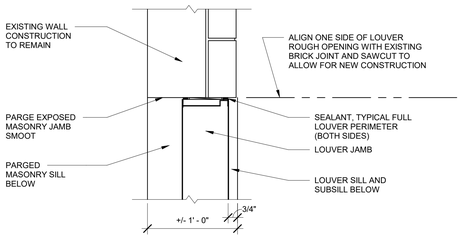


1 WALL DETAIL AT ELECTRICAL ROOM
SCALE: 1 1/2" = 1'-0"

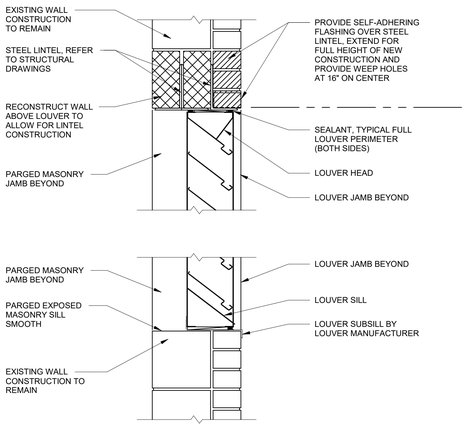




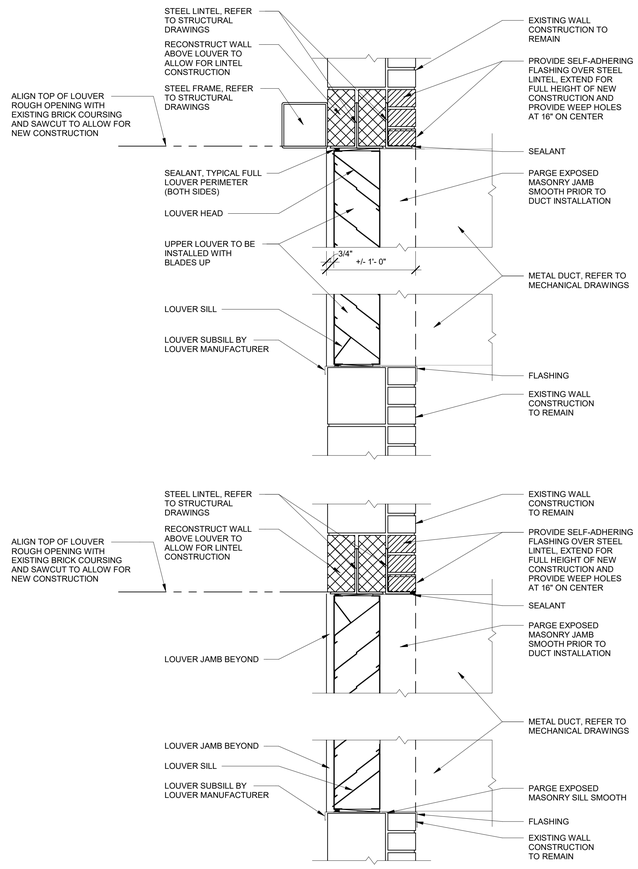
2 WALL AND BEAM DETAILS AT FIRE PUMP ROOM
SCALE: 1 1/2" = 1'-0"



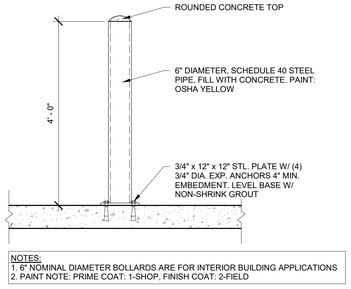
3 LOUVER JAMB DETAIL (TYPICAL ALL)
SCALE: 1 1/2" = 1'-0"



4 LOUVER SECTION (TYPICAL ALL EXCEPT L-3)
SCALE: 1 1/2" = 1'-0"

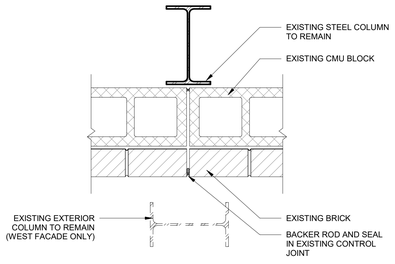


5 LOUVER SECTION AT L-3
SCALE: 1 1/2" = 1'-0"



NOTES:
1. 6" NOMINAL DIAMETER BOLLARDS ARE FOR INTERIOR BUILDING APPLICATIONS
2. PAINT NOTE: PRIME COAT: 1-SHOP, FINISH COAT: 2-FIELD

6 INTERIOR BOLLARD DETAIL
SCALE: 3/4" = 1'-0"



7 TYPICAL CONTROL JOINT
SCALE: 1 1/2" = 1'-0"

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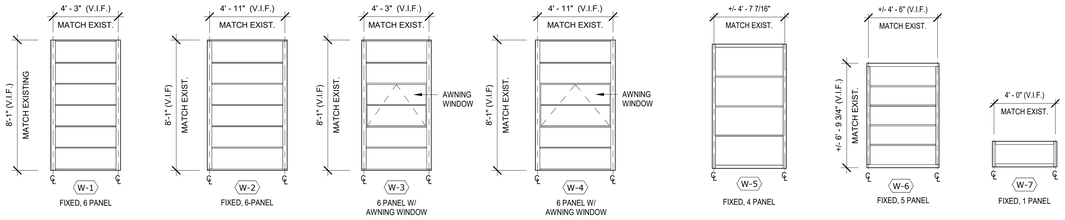
DWG. TITLE

WALL DETAILS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

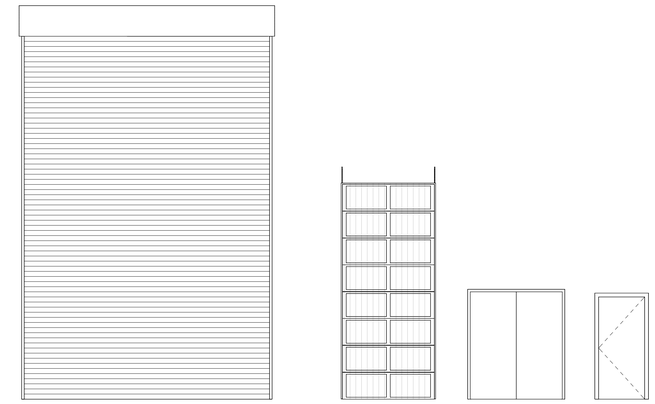
DATE	06/27/2025
SCALE	As indicated
DWN.	MJC
CHK.	BS1
PROJ. No.	432607
DWG. No.	

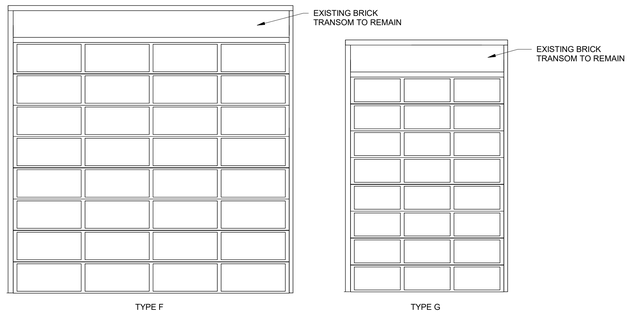
A453



WINDOW SCHEDULE

Type Mark	Description	Count	Comments
W-1	FIXED, 6 PANEL	234	MATCH EXISTING DIMENSIONS (V.I.F.)
W-1A	FIXED, 4 PANEL / SOLID PANEL COMBO	11	MATCH EXISTING DIMENSIONS (V.I.F.)
W-1B	FIXED, 6 PANEL	1	MATCH EXISTING DIMENSIONS (V.I.F.)
W-2	FIXED, 6 PANEL	189	MATCH EXISTING DIMENSIONS (V.I.F.)
W-3	FIXED / OPERABLE COMBO, 6 PANEL	77	MATCH EXISTING DIMENSIONS (V.I.F.)
W-4	FIXED / OPERABLE COMBO, 6 PANEL	69	MATCH EXISTING DIMENSIONS (V.I.F.)
W-5	FIXED, 4 PANEL	15	MATCH EXISTING DIMENSIONS (V.I.F.)
W-5F	FIXED, 4 PANEL	4	MATCH EXISTING DIMENSIONS (V.I.F.)
W-5G	FIXED, 4 PANEL	2	MATCH EXISTING DIMENSIONS (V.I.F.)
W-6	FIXED, 5 PANEL	7	MATCH EXISTING DIMENSIONS (V.I.F.)
W-7	FIXED	16	MATCH EXISTING DIMENSIONS (V.I.F.)
W-7A	FIXED	5	MATCH EXISTING DIMENSIONS (V.I.F.)
W-8C	FIXED	1	MATCH EXISTING DIMENSIONS (V.I.F.)





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

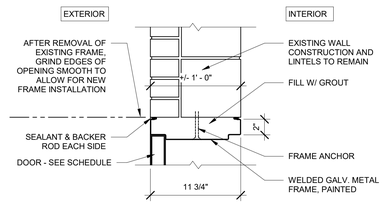
DOOR SCHEDULE

DOOR	PANEL					FRAME		DETAILS				
NO.	WIDTH	HEIGHT	MATERIAL	THICKNESS	TYPE	MATERIAL	TYPE	HEAD	JAMB	THRESHOLD	RATING	NOTES
GROUND FLOOR												
1	3' - 4"	6' - 8"	HM	0' - 1 3/4"	E	HM	-	H1	J1	-	-	
2	3' - 4"	6' - 8"	HM	0' - 1 3/4"	E	HM	-	H1	J1	-	-	
3	3' - 8"	7' - 0"	HM	0' - 1 3/4"	E	HM	-	H1	J1	-	-	
4	3' - 4"	6' - 8"	HM	0' - 1 3/4"	E	HM	-	H1	J1	-	-	
5	3' - 4"	6' - 8"	HM	0' - 1 3/4"	E	HM	-	H1	J1	-	-	
6	3' - 4"	6' - 8"	HM	0' - 1 3/4"	E	HM	-	H1	J1	-	-	
7	6' - 0"	6' - 8"	HM	0' - 1 3/4"	D	HM	-	H2	J2	-	-	
8	3' - 0"	7' - 0"	HM	0' - 1 3/4"	E	HM	-	H2	J2	-	-	
9	3' - 0"	7' - 0"	HM	0' - 1 3/4"	E	HM	-	H1	J1	-	-	
10	3' - 0"	7' - 0"	HM	0' - 1 3/4"	E	HM	-	H1	J1	-	-	
CO1	16' - 0"	23' - 8"	ALUM	0' - 0 3/4"	A	ALUM	-	H3	J3	-	-	OVERHEAD COILING DOOR
CO2	16' - 0"	20' - 8"	ALUM	0' - 0 3/4"	A	ALUM	-	H3	J3	-	-	OVERHEAD COILING DOOR
SO1	18' - 0"	16' - 4"	STL	0' - 1 1/2"	-	STL	-	H4	-J4	-	-	SECTIONAL OVERHEAD DOOR
SO2	10' - 0"	14' - 0"	STL	0' - 1 1/2"	-	STL	-	H4	J4	-	-	SECTIONAL OVERHEAD DOOR
SO3	14' - 0"	17' - 4"	STL	0' - 1 1/2"	-	STL	-	H4	J4	-	-	SECTIONAL OVERHEAD DOOR
SO4	6' - 0"	14' - 0"	STL	0' - 1 1/2"	-	STL	-	H4	J4	-	-	SECTIONAL OVERHEAD DOOR
LEVEL 2 - RESTROOM												
12	3' - 0"	7' - 0"	HM	0' - 1 3/4"	E	HM	-	H1	J1	-	-	
13	3' - 0"	7' - 0"	HM	0' - 1 3/4"	E	HM	-	H1	J1	-	-	DOOR FRAME TO REMAIN, REPLACE DOOR SLAB
T.O.S.												
14	2' - 6"	7' - 0"	HM	0' - 1 3/4"	E	HM	-	H2	J2	-	-	

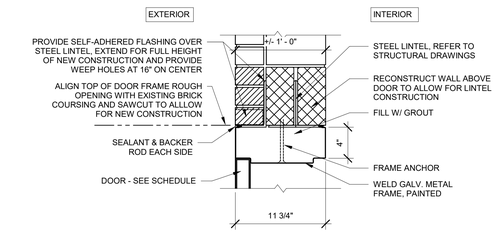
NOTE: DOORS 13 AND 14 ARE ON THE ROOF PLAN A151B

FINISH SCHEDULE

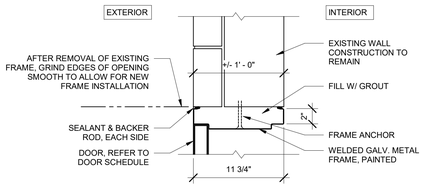
	INTERIOR COMPONENTS	REFER TO HAZARDOUS MATERIALS DRAWINGS AND SPECIFICATIONS	REMOVE EXISTING FINISHES AS DIRECTED IN HAZARDOUS MATERIAL DRAWINGS AND SPECIFICATIONS	WASH AND REMOVE FLAKING AND LOOSE PAINT	PREP AND PAINT
1	CONCRETE SLAB (EXISTING AND NEW)	X			
2	INTERIOR MASONRY WALLS (EXISTING)			X	
3	INTERIOR MASONRY WALLS CONSTRUCTED AS PART OF THIS PROJECT				X
4	STRUCTURAL STEEL (EXISTING)	X	X		X
5	STRUCTURAL STEEL CONSTRUCTED AS PART OF THIS PROJECT				X
6	CATWALKS, PLATFORMS, GUARDRAIL AND HANDRAIL ASSEMBLIES, KICK PLATES, STAIRS AND LADDERS (EXISTING)	X		X	X
7	CATWALKS, PLATFORMS, GUARDRAIL AND HANDRAIL ASSEMBLIES, KICK PLATES, STAIRS AND LADDERS CONSTRUCTED AS PART OF THIS PROJECT.				X
8	MISCELLANEOUS METAL ITEMS (BOLLARDS, LINTELS, ETC.) (EXISTING)	X		X	X
9	MISCELLANEOUS METAL ITEMS (BOLLARDS, LINTELS, ETC.) CONSTRUCTED AS PART OF THIS PROJECT				X
10	HOLLOW METAL DOORS AND FRAMES (EXISTING)	X	X		X
11	HOLLOW METAL DOORS AND FRAMES CONSTRUCTED AS PART OF THIS PROJECT				X
12	PRECAST CEILING CONCRETE PLANKS (EXISTING AND NEW)			X	
	EXTERIOR COMPONENTS	REFER TO HAZARDOUS MATERIALS DRAWINGS AND SPECIFICATIONS	REMOVE EXISTING FINISHES AS DIRECTED IN HAZARDOUS MATERIAL DRAWINGS AND SPECIFICATIONS	WASH AND REMOVE FLAKING AND LOOSE PAINT	PREP AND PAINT
E1	MASONRY (CMU) WALLS (EXISTING AND INFILLS CONSTRUCTED AS PART OF THIS PROJECT)	X		X	X
E2	MASONRY (BRICK) WALLS (EXISTING AND INFILLS CONSTRUCTED AS PART OF THIS PROJECT)	X		X	
E3	STRUCTURAL STEEL (EXISTING)	X	X		X
E4	STRUCTURAL STEEL CONSTRUCTED AS PART OF THIS PROJECT				X
E5	GUARDRAIL AND HANDRAIL ASSEMBLIES, KICK PLATES, STAIRS AND LADDERS (EXISTING)	X		X	X
E6	GUARDRAIL AND HANDRAIL ASSEMBLIES, KICK PLATES, STAIRS AND LADDERS CONSTRUCTED AS PART OF THIS PROJECT				X
E7	MISCELLANEOUS METAL ITEMS (BOLLARDS, LINTELS, ETC.) (EXISTING)	X		X	X
E8	MISCELLANEOUS METAL ITEMS (BOLLARDS, LINTELS, ETC.) CONSTRUCTED AS PART OF THIS PROJECT				X
E9	HOLLOW METAL DOORS AND FRAMES (EXISTING)	X	X		X
E10	HOLLOW METAL DOORS AND FRAMES CONSTRUCTED AS PART OF THIS PROJECT				X



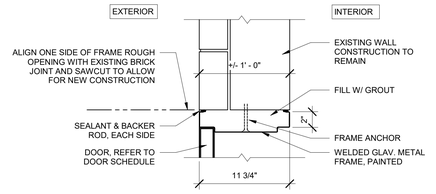
H1 HEAD AT EXISTING EXTERIOR OPENING (ADJUST TO 4" IF NEEDED)
SCALE: 1 1/2" = 1'-0"



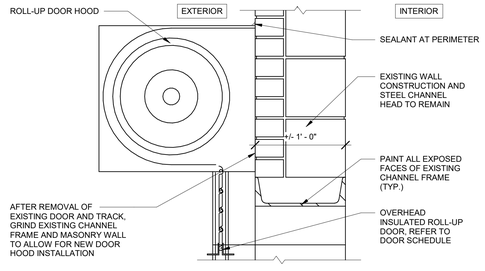
H2 HEAD AT NEW EXTERIOR OPENING
SCALE: 1 1/2" = 1'-0"



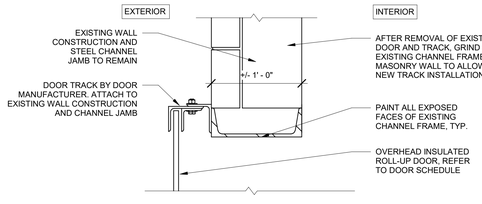
J1 JAMB AT EXISTING EXTERIOR DOOR OPENING
SCALE: 1 1/2" = 1'-0"



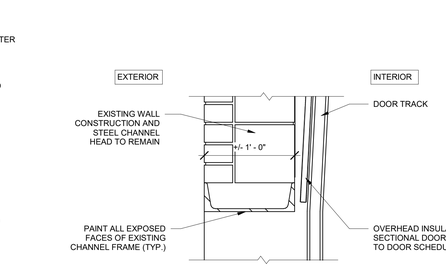
J2 JAMB AT NEW EXTERIOR DOOR OPENING
SCALE: 1 1/2" = 1'-0"



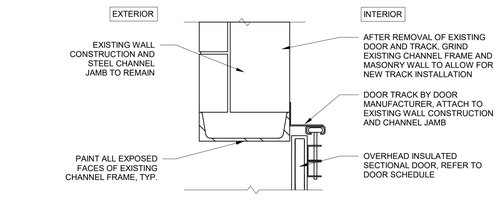
H3 HEAD AT EXISTING COILING DOOR OPENING
SCALE: 1 1/2" = 1'-0"



J3 JAMB AT EXISTING COILING DOOR OPENING
SCALE: 1 1/2" = 1'-0"



H4 HEAD AT EXISTING SECTIONAL DOOR OPENING
SCALE: 1 1/2" = 1'-0"



J4 JAMB AT EXISTING SECTIONAL DOOR OPENING
SCALE: 1 1/2" = 1'-0"

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DWG. TITLE

DOOR, WINDOW & FINISH SCHEDULE

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	06/27/2025
SCALE	As indicated
DWN.	Author CHK. BS1
PROJ. No.	432607
DWG. No.	

A900



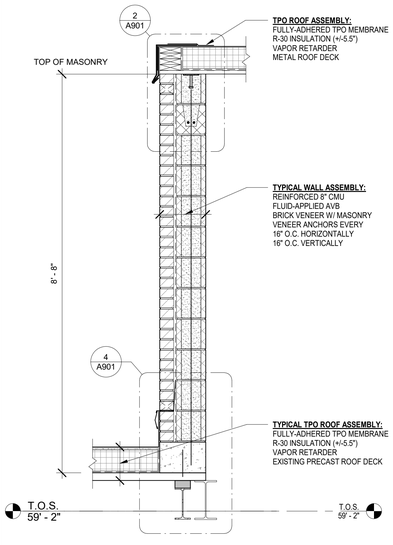
NEW AND ORIGINAL WINDOWS



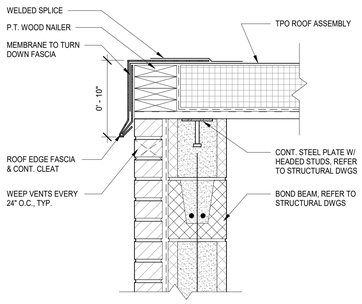
NEW AND ORIGINAL WINDOW GLAZING



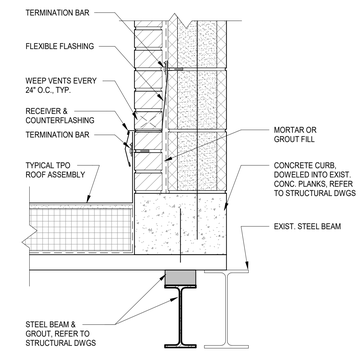
NEW AND ORIGINAL WINDOWS



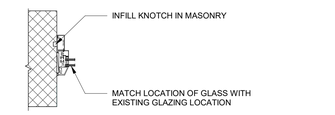
1 TYPICAL PENTHOUSE WALL SECTION
SCALE: 3/4" = 1'-0"



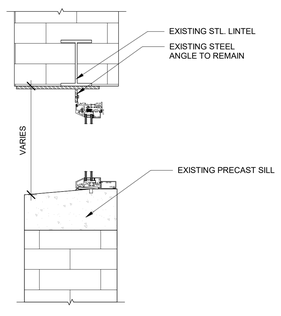
2 PENTHOUSE ROOF EDGE DETAIL
SCALE: 1 1/2" = 1'-0"



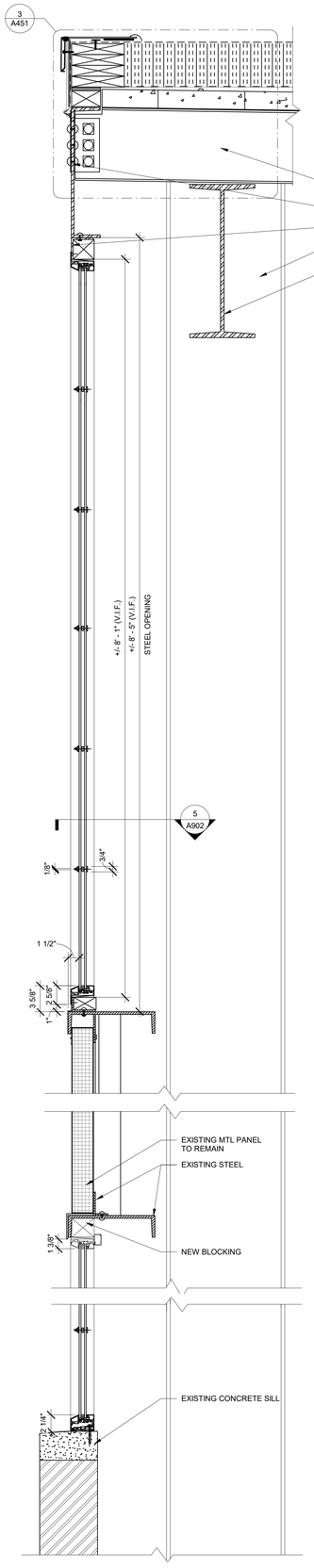
4 ROOF TO WALL TRANSITION
SCALE: 1 1/2" = 1'-0"



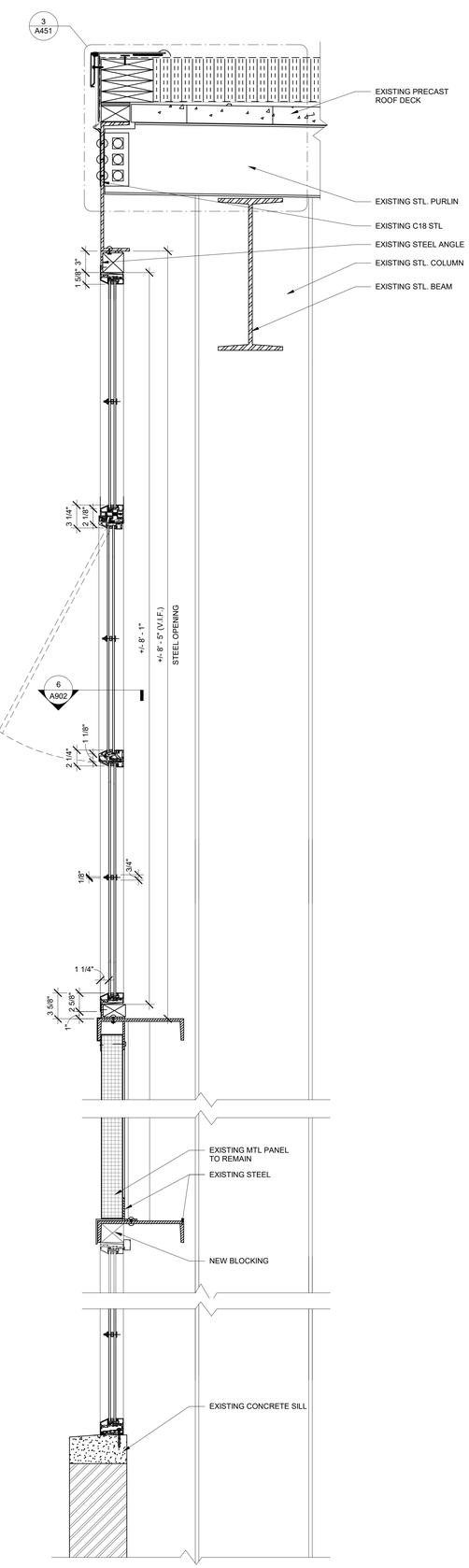
3 SECTION DETAIL - MASONRY WINDOW JAMB
SCALE: 1 1/2" = 1'-0"



SECTION DETAIL -
MASONRY WINDOW INFILL
SCALE: 1 1/2" = 1'-0"



SECTION DETAIL
FIXED WINDOW
SCALE: 1 1/2" = 1'-0"



SECTION DETAIL
OPERABLE WINDOW
SCALE: 1 1/2" = 1'-0"

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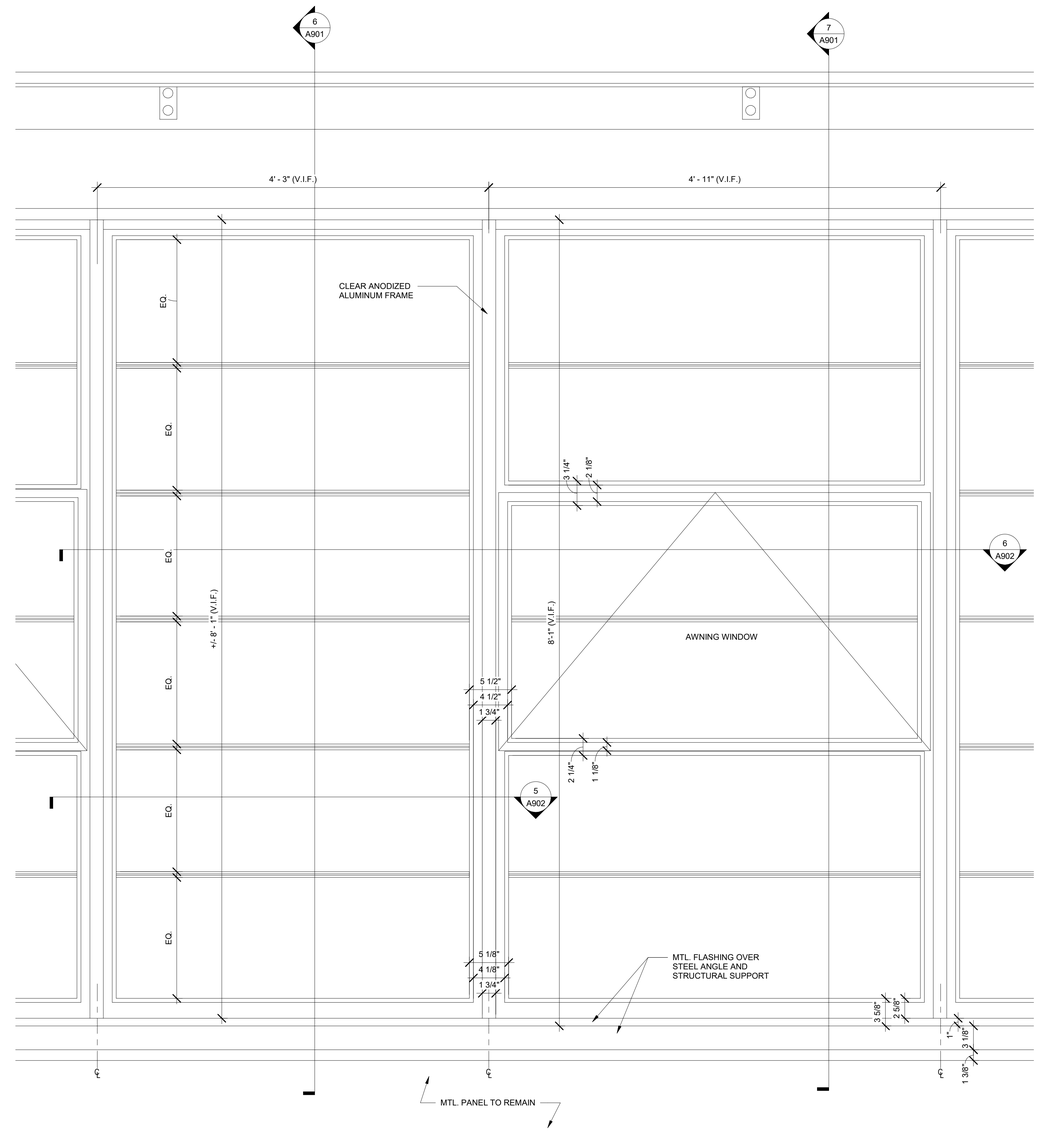
DWG. TITLE

DETAILS

0 1" 2"
GENERIC SCALE BAR
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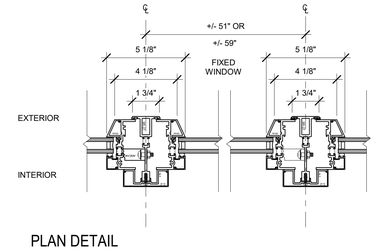
DATE	06/27/2025
SCALE	As indicated
DWN.	MJC CHK. BS1
PROJ. No.	432607
DWG. No.	

A901



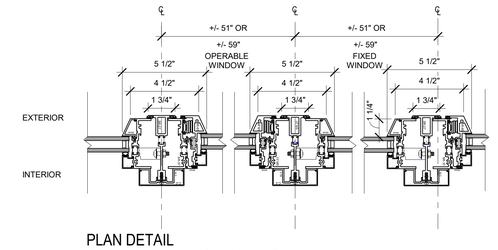
2 TYPICAL WINDOW ELEVATION DETAIL (BAND WINDOWS)

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



5 PLAN DETAIL FIXED WINDOW MULLION

SCALE: 3" = 1'-0"



6 PLAN DETAIL OPERABLE WINDOW MULLION

SCALE: 3" = 1'-0"

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DWN.	MJC
CHK.	BS1
PROJ. No.	432607
DWG. No.	

A902

HVAC ABBREVIATIONS

AAV	AUTOMATIC AIR VENT
AC	AIR COMPRESSOR
ACCU	AIR COOLED CONDENSING UNIT
ACS DR	ACCESS DOOR
ACS PNL	ACCESS PANEL
ACV	AUTOMATIC CONTROL VALVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
AS	AIR SEPARATOR
ASC	ABOVE SUSPENDED CEILING
AVG	AVERAGE
BAV	BALANCING VALVE
BB-E	BASEBOARD - ELECTRIC
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BFWP	BOILER FEED WATER PUMP
BHP	BRAKE HORSEPOWER
BV	BALL VALVE
CA	COMPRESSED AIR
CA	COMBUSTION AIR
CEB	CONCRETE EQUIPMENT BASE
CFM	CUBIC FEET PER MINUTE
CHKV	CHECK VALVE
CHWP	CHILLED WATER CIRCULATING PUMP
CIR	CAST IRON RADIATOR
COM	COMMON
CRP	CONDENSATE RETURN PUMP
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CUV	CLASSROOM UNIT VENTILATOR
CV	CONTROL VALVE
DB	DRY BULB
DCI	DUCT COVERING INSULATION
DLI	DUCT LINING INSULATION
DSS	DUCTLESS SPLIT SYSTEM AIR CONDITIONER
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EDR	EQUIVALENT DIRECT RADIATION
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
F	DEGREES FAHRENHEIT
FBO	FURNISHED BY OTHERS
FCU	FAN COIL UNIT
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FID	FIRE DAMPER
FSD	FIRE/SMOKE DAMPER
FTR	FINNED TUBE RADIATOR
FURN	FURNACE
GC	GENERAL CONTRACTOR
GLV	GLOBE VALVE
GPM	GALLONS PER MINUTE
GTV	GATE VALVE
GVTR	GAS VENT THROUGH ROOF
H	HUMIDIFIER
HC	HEATING COIL
HEX	HEAT EXCHANGER
HP	HORSEPOWER
HRU	HEAT RECOVERY UNIT
HSTAT	HUMIDISTAT
HV	HEATING AND VENTILATING UNIT
HWB	HOT WATER BOILER
HWCP	HOT WATER CIRCULATING PUMP
LAT	LEAVING AIR TEMPERATURE
LRI	LOUVERED ROOF INTAKE
LRV	LOUVERED ROOF VENT
LWT	LEAVING WATER TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAV	MANUAL AIR VENT
MC	MECHANICAL CONTRACTOR
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	OPEN
OA	OUTSIDE AIR
OC	ON CENTER
OED	OPEN ENDED DUCT
PC	PLUMBING CONTRACTOR
PLV	PLUG VALVE
PRV	PRESSURE REDUCING VALVE
PTAC	PACKAGE TERMINAL AIR CONDITIONER
RA	RETURN AIR
RAF	RETURN AIR FAN
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RLL	REFRIGERANT LIQUID LINE
RSL	REFRIGERANT SUCTION LINE
RTU	ROOF TOP UNIT
RV	ROOF VENT
SA	SUPPLY AIR
SD	SMOKE DAMPER
SF	SUPPLY FAN
SP	STATIC PRESSURE
STN	STRAINER
SUH	SUSPENDED UNIT HEATER
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
UH	UNIT HEATER
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VIB ISO	VIBRATION ISOLATOR
WB	WET BULB
WC	WATER COLUMN
WCHRU	WATER CHILLER
WIV	WATER INLET VALVE
WPD	WATER PRESSURE DROP

HVAC SYMBOLS - DUCTWORK

AIRFLOW - SUPPLY/OUTDOOR AIR

AIRFLOW - RETURN/EXHAUST AIR

12"x8" — RECTANGULAR DUCTWORK (FIRST NUMBER INDICATES VISIBLE DIMENSION)

12"ø — ROUND DUCTWORK

12"x8"o.. — FLAT OVAL DUCTWORK

12"x8"L — "L" INDICATES LINED DUCTWORK

FLEXIBLE DUCTWORK

RECTANGULAR CEILING DIFFUSER (ARROWS INDICATE DIRECTION OF THROW)

RETURN/EXHAUST REGISTER OR GRILLE

LINEAR DIFFUSER

SIDEWALL DIFFUSER, REGISTER OR GRILLE

DESIGNATION
X — NECK SIZE OR CORE SIZE
CFM

DIFFUSER, REGISTER OR GRILLE DESIGNATION
TYPE X INDICATES:
CD - CEILING DIFFUSER
LD - LINEAR DIFFUSER
RCD - RECTANGULAR CEILING DIFFUSER
EG - EXHAUST GRILLE
ER - EXHAUST REGISTER
RG - RETURN GRILLE
RR - RETURN REGISTER
TG - TRANSFER GRILLE)

(T) — WALL MOUNTED THERMOSTAT

(T) RS — WALL MOUNTED REMOTE SENSOR THERMOSTAT

(S) — WALL MOUNTED TEMPERATURE SENSOR

(H) — WALL MOUNTED HUMIDISTAT

RECTANGULAR/ROUND SUPPLY AIR DUCTWORK UP

RECTANGULAR/ROUND RETURN OR EXHAUST AIR DUCTWORK UP

RECTANGULAR/ROUND SUPPLY AIR DUCTWORK DOWN

RECTANGULAR/ROUND RETURN OR EXHAUST AIR DUCTWORK DOWN

RECTANGULAR ELBOW WITH TURNING VANES

VOLUME DAMPER

F.I.D. — FIRE DAMPER

S.D. — SMOKE DAMPER

(M) — MOTOR OPERATED DAMPER

(S) — SMOKE DETECTOR

(X) — DUCT MOUNTED SENSOR
X INDICATES:
SP - STATIC PRESSURE
T - TEMPERATURE
H - HUMIDITY
V - VELOCITY

HVAC SYMBOLS - CONTROLS

OPPOSED BLADE DAMPER

TS — AVERAGING TEMPERATURE SENSOR

TS — FREEZESTAT

TS — PROBE TYPE TEMPERATURE SENSOR

SD — SMOKE DETECTOR

HS — HUMIDITY SENSOR

MOTOR STARTER

H / C — HEATING COIL

C / C — COOLING COIL

DX / C — DIRECT EXPANSION REFRIGERANT COIL

FIRE DAMPER

(T) — SPACE THERMOSTAT

(S) — SPACE TEMPERATURE SENSOR

STATIC PRESSURE SENSOR

ROOM DIFFERENTIAL PRESSURE SENSOR

CIRCULATING PUMP

FAN

GENERAL NOTES

1. THIS LEGEND SHEET IS FOR THE HVAC CONTRACTOR REFERENCE ONLY. NOT ALL SYMBOLS AND/OR ABBREVIATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/OR EXCLUSION OF ANY PARTICULAR ITEM FROM THE PROJECT.
2. THE PLANS ARE DIAGRAMMATIC AND INDICATE ONLY THE SIZE AND GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. EXACT LOCATION OF ALL ELEMENTS SHALL BE DETERMINED AS WORK PROGRESSES, IN COOPERATION AND COORDINATION WITH THE WORK OF ALL OTHER TRADES. IT IS NOT INTENDED TO SHOW EVERY ITEM OF WORK OR MINOR PIECE OF EQUIPMENT, BUT THE CONTRACTOR SHALL FURNISH AND INSTALL WITHOUT ADDITIONAL REMUNERATION ANY COMPONENT NECESSARY TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
3. ITEMS OF WORK OR EQUIPMENT SHOWN ON THE DRAWINGS ONLY, OR CALLED FOR IN THE SPECIFICATIONS ONLY, SHALL BE FURNISHED AND INSTALLED IN THE SAME MANNER AS IF THEY APPEARED ON BOTH THE DRAWINGS AND SPECIFICATIONS.
4. DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATIONS, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL MAKE SUCH CHANGES IN PIPING AND LOCATION OF EQUIPMENT, ETC. TO ACCOMMODATE WORK WITH THAT OF OTHER CONTRACTORS.
5. INSTALL EQUIPMENT, DUCTWORK, AND PIPING TO AVOID INTERFERENCE WITH THE OPERATION OR SERVICING AND MAINTENANCE OF EQUIPMENT.
6. HVAC CONTRACTOR IS RESPONSIBLE TO PROVIDE ACCESS PANELS AND DOORS WHERE THEY ARE NEEDED TO GAIN ACCESS TO CONCEALED EQUIPMENT.
7. ALL COSTS FOR CUTTING, PATCHING AND PAINTING OF EXISTING WALLS, CEILINGS AND FLOORS TO ACCOMMODATE THE INSTALLATION OF HVAC WORK SHALL BE THE RESPONSIBILITY OF THE HVAC CONTRACTOR UNLESS INDICATED OTHERWISE. MATERIALS FOR RESTORATION OF EXISTING SURFACES SHALL MATCH THE EXISTING MATERIALS.
8. PIPES AND/OR DUCTS PENETRATING FIRE WALLS AND FLOORS SHALL BE FIRESTOPPED AS SPECIFIED. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIRE WALL AND FLOOR LOCATIONS.
9. ALL DUCT SIZES SHOWN ON DRAWINGS INDICATE CLEAR INSIDE DIMENSIONS.
10. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY USE OF ITEMS BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.
11. COMPLY WITH THE NEW YORK STATE BUILDING CODES, ASHRAE 90.1-2016, AND OTHER APPLICABLE CODES.

SHOP/COORDINATION DRAWINGS:

CONTRACTOR SHALL PROVIDE TO THE ENGINEER CAD-GENERATED (AUTOCAD 2013 OR NEWER) COORDINATION DRAWINGS AT ⅛" EQUALS 1 FOOT SCALE.

1. CONTRACTOR SHALL BE RESPONSIBLE TO:
   - A. FIELD VERIFY EXISTING CONDITIONS
   - B. PROVIDE LAYOUT OF ALL NEW EQUIPMENT, DUCTWORK (DOUBLE LINED) AND PIPING.
   - C. PROVIDE ELEVATIONS OF ALL DUCTWORK (TOP AND BOTTOM).
   - D. PROVIDE DIMENSIONS OF MAIN PIPE RUNS FROM BUILDING GRID LINES OR WALLS.
   - E. PENETRATIONS THROUGH FIRE-RATED AND OTHER PARTITIONS.
   - F. EQUIPMENT INSTALLATION BASED ON EQUIPMENT PURCHASED FOR PROJECT.

AIR ROTATION UNIT SCHEDULE (ARU-1)

PLAN DESIGNATION	MANUFACTURER MODEL NO.	SERVICE	CFM	T.S.P (IN WC)	SUPPLY FAN		MIN OA FLOW RATE (CFM)	NAT. GAS HEATING SECTION			ELECTRICAL DATA					NOTES
					E.S.P. (IN W.C.)	FAN SPEED (RPM)		INPUT (MBH)	OUTPUT (MBH)	PIPE SIZE (IN.)	SUPPLY FAN HP	BHP	MCA	MOCP	VOLTS/ PHASE	
ARU-1	TITAN TAH-225 FC AAR VRH	FIRST FLOOR	40,000	1.975	0.375	576	6,250	1852	1500	576	30	24.4	54	90	480/3Ø	1-6
ARU-2	TITAN TAH-225 FC AAR VRH	FIRST FLOOR	40,000	1.975	0.375	576	N/A	1852	1500	576	30	24.4	54	90	480/3Ø	1-6

NOTES:
1. UNIT SHALL BE INDIRECT NATURAL GAS FIRED WITH 10:1 TURNDOWN CAPABILITY
2. PROVIDE 1" INSULATED WALL PANELS.
3. PROVIDE STAND FOR UNIT TO BE MOUNTED TO CONCRETE PAD. STAND SHALL BE RATED TO WITHSTAND WEIGHT AND WIND LOADS FOR EXTERIOR MOUNTING.
4. PROVIDE HEAT EXCHANGER BYPASS DAMPER FOR ECONOMIZER CONTROL.
5. PROVIDE LOW LEAKAGE MODULATING DAMPER ON EXHAUST AIR AND INTAKE AIR OPENINGS.
6. PROVIDE V-BANK STYLE FILTER ASSEMBLY WITH 2" MERV 8 FILTERS.

LOUVER SCHEDULE (L)

PLAN DESIGNATION	MANUFACTURER MODEL NO.	SERVICE	LOUVER DIMENSION (WXH)	AIR FLOW (CFM)	VELOCITY (FPM)	FREE AREA (SQ. FT.)	MATERIAL	PATTERN	FINISH	CONTROL DAMPER	NOTES
L-1	GREENHECK ESD-403	ELECTRICAL ROOM	36 X 42	2,500	500	5	ALUMINUM	HORIZONTAL	PAINT	D-2	1,2,3,4,5,6
L-2	GREENHECK ESD-403	WATER / FIRE PROTECTION	30 X 30	1,400	500	2.85	ALUMINUM	HORIZONTAL	PAINT	D-3	1,2,3,4,5,6
L-3	GREENHECK XG-4100	ARU	132 X 48	40,000	1200	41.6	ALUMINUM	HORIZONTAL	PAINT	D-1	1,3,4,5,6,7
L-4	GREENHECK ESD-403	EF-1	30 X 18	1,400	900	1.48	ALUMINUM	HORIZONTAL	PAINT	D-4	1,2,3,4,5,6
L-5	GREENHECK ESD-403	EF-2	36 X 24	2,500	900	2.78	ALUMINUM	HORIZONTAL	PAINT	D-5	1,2,3,4,5,6

NOTES:
1. ARCHITECT TO SELECT COLOR.
2. PROVIDE 1/2"x1/2" ALUMINUM BIRD SCREEN.
3. PROVIDE THERMALLY INSULATED, 2-POSITION MOTORIZED DAMPER AND ACTUATOR.
4. CAULK ALL SIDES WEATHER TIGHT.
5. CONTRACTOR SHALL FIELD VERIFY ALL WALL OPENINGS PRIOR TO ORDERING LOUVER.
6. LOUVER TO BE PROVIDED WITH OPTIONAL MOUNTING FLANGES ON ALL FOUR SIDES.
7. GRILLE SHALL BE MULTIPLE SECTIONS, INSTALL PER MANUFACTURERS INSTRUCTIONS.

EXHAUST FAN SCHEDULE (EF)

PLAN DESIGNATION	MANUFACTURER MODEL NO.	SERVICE	TYPE	AIR FLOW RATE (CFM)	EXTERNAL S.P. (IN. W.C)	FAN SPEED (RPM)	SONES	DRIVE TYPE	ELECTRICAL DATA			NOTES
									MOTOR BHP	MOTOR HP	VOLTS/ PHASE	
EF-1	GREENHECK SQ-120	WATER / FIRE PROTECTION	INLINE	1400	0.886	1725	18.7	DIRECT	.46	1/2	460 / 3Ø	1,2,&3
EF-2	GREENHECK SQ-140	ELECTRICAL ROOM	INLINE	2500	0.925	1725	18.2	DIRECT	1	1	460 / 3Ø	1,2,&3

NOTES:
1. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.
2. PROVIDE SMALL HOUSING WITH BACK DRAFT DAMPER.
3. PROVIDE INSULATED MOTORIZED DAMPER.

DAMPER SCHEDULE (D)

PLAN DESIGNATION	MANUFACTURER	MODEL	AIR FLOW RATE (CFM)	TYPE	OPENING SIZE	FRAME DEPTH (IN.)	SYSTEM	NOTES
D-1	GREENHECK	ICD-45	40,000	CURTAIN	132 X 48	1.5	ARU	1,2,3
D-2	GREENHECK	ICD-45	1,400	CURTAIN	42 X 36	1.5	L-1	1,2,3
D-3	GREENHECK	ICD-45	2,500	CURTAIN	30 X 30	1.5	L-2	1,2,3
D-4	GREENHECK	ICD-45	1,400	CURTAIN	30 X 18	1.5	L-4	1,2,3
D-5	GREENHECK	ICD-45	2,500	CURTAIN	36 X 24	1.5	L-5	1,2,3

NOTES:
1. DAMPERS SHALL BE PROVIDED WITH DUCT FLANGES
2. PROVIDE SPARE FUSIBLE LINK FOR EACH DAMPER
3. FINAL OPENING SIZES SHALL BE COORDINATED WITH APPROVED FAN, LOUVERS AND BUILDING OPENING DIMENSIONS

ELECTRICAL UNIT HEATER (EUH-1)

PLAN DESIGNATION	MANUFACTURER MODEL NO.	LOCATION	DIMENSIONS (LxWxH)	OUTPUT (Kw)	ELECTRICAL DATA		WEIGHT (LBS/FT)	NOTES
					VOLTS/ PHASE	AMPS		
EUH-1	TASKMASTER 5100 SERIES F2F5103	AS NOTED	6-1/2x14-15/32x17-3/4	3.3	208/1Ø	15.9	20	

NOTES:

GRAVITY VENTILATOR SCHEDULE (GV)

PLAN DESIGNATION	MANUFACTURER MODEL NO.	LOCATION	AIR FLOW RATE (CFM)	STATIC PRESSURE (IN. WG)	THROAT LENGTH/WIDTH (IN)	THROAT VELOCITY (FPM)	CURB CAP LENGTH/ WIDTH (IN)	FREE AREA (SF)	WEIGHT (LB)	NOTES
GV-1	GREENHECK GRSR-48	ROOF	13,500	.203	46 X 46	919	48 X 48	14.69	167	

NOTES:
1. PROVIDE CURB ADAPTER

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DWG. TITLE

SYMBOLS, NOTES & ABBREVIATIONS

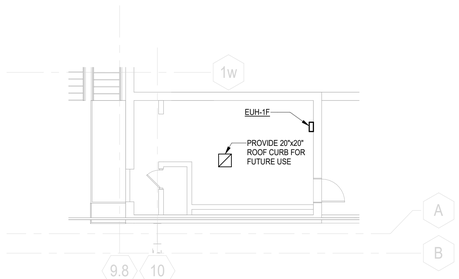
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GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 06/27/25
SCALE
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PROJ. No. 432607
DWG. No.

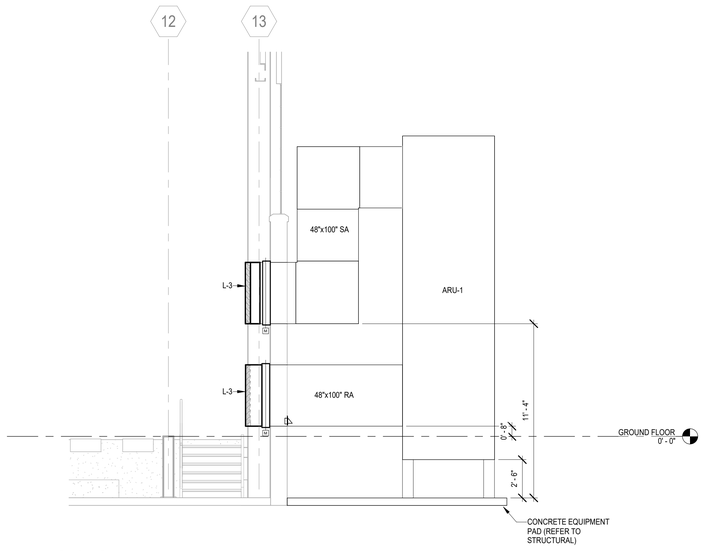
M001

CONSTRUCTION NOTES:

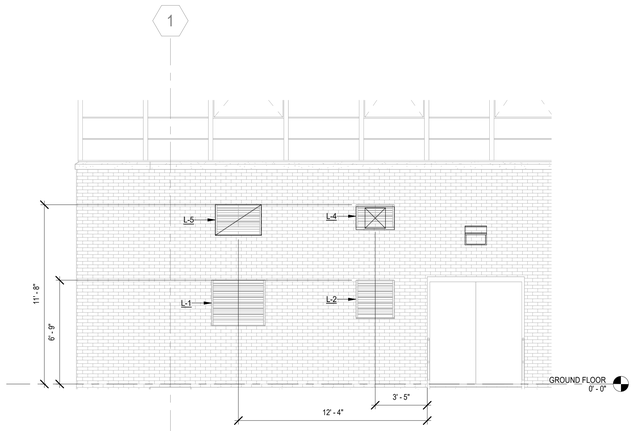
1. ARU IS TO BE MOUNTED ON CONCRETE PAD. REFER TO STRUCTURAL PLANS FOR PAD DETIALS.
2. 100" x 48" DUCT IS TO BE DUCTED THROUGH WALL. DUCT IS TO BE SUPPORTED FROM CONCRETE PAD WITH STRUCTURAL SUPPORTS. REFER TO STRUCTURAL PLANS FOR DETAILS.
3. PROVIDE GRAVITY ROOF VENTILATOR ONTO EXISTING CURB. PROVIDE ROOF CURB ADAPTOR TO TRANSITION BETWEEN ROOF VENTILATOR AND EXISTING CURB.



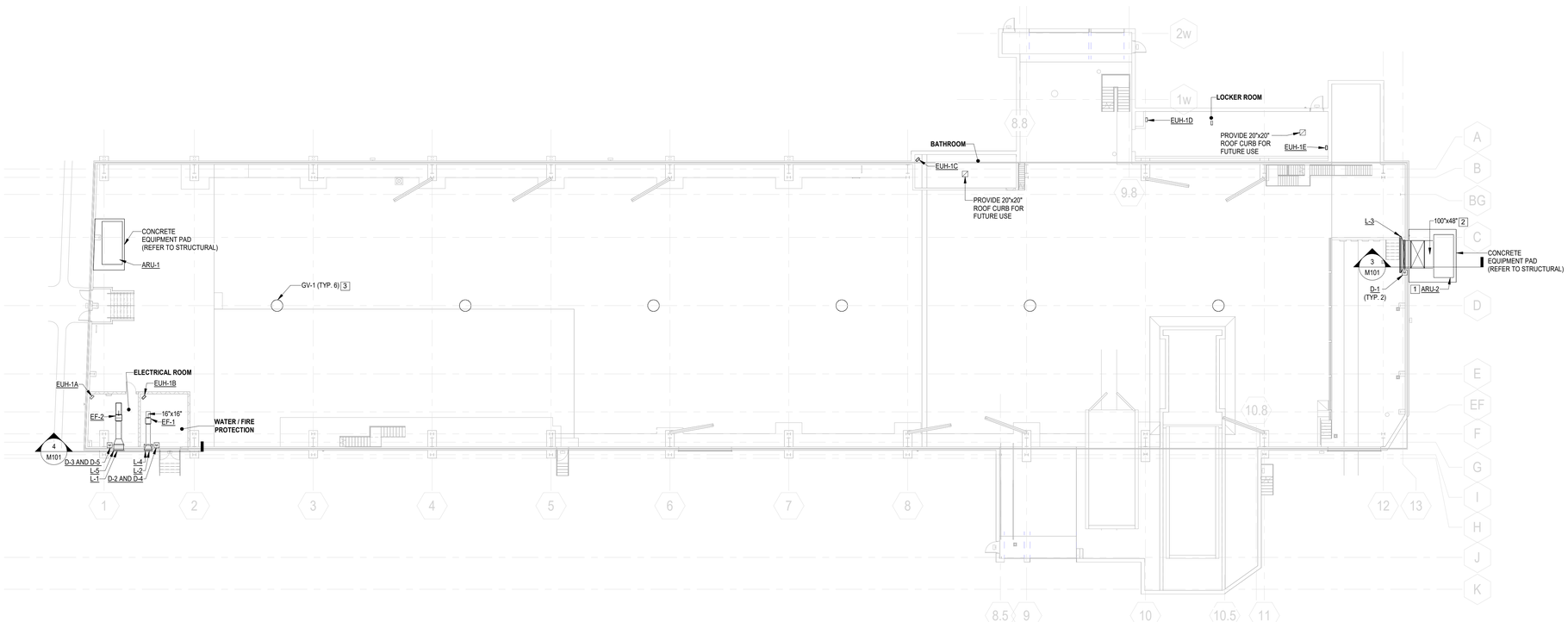
2 SECOND FLOOR RESTROOM
SCALE: 1/8" = 1'-0"



3 ARU-2 SECTION
SCALE: 1/4" = 1'-0"



4 EXTERIOR LOUVER SECTION
SCALE: 1/4" = 1'-0"



1 MECHANICAL FLOOR PLAN
SCALE: 1/16" = 1'-0"

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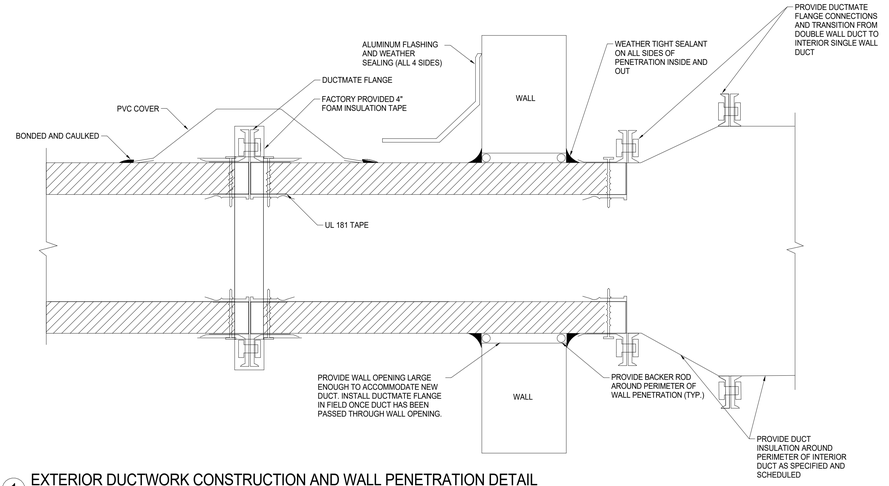
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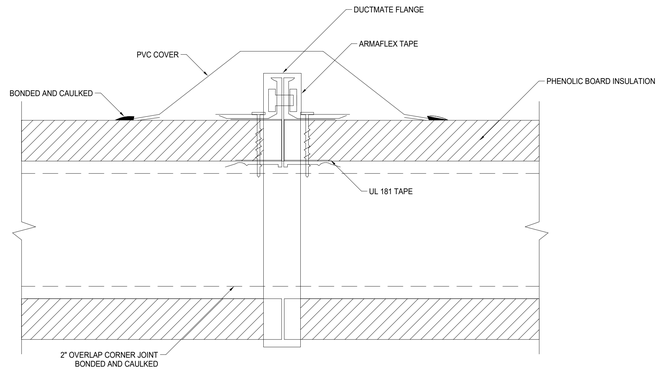
FLOOR PLANS

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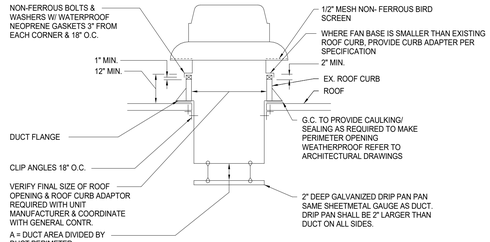
DATE	06/27/25
SCALE	As indicated
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CHK.	JTW
PROJ. No.	432607
DWG. No.	**M101**



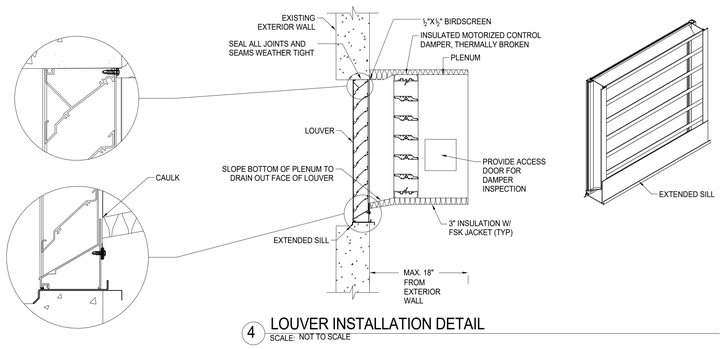
1 EXTERIOR DUCTWORK CONSTRUCTION AND WALL PENETRATION DETAIL
SCALE: NOT TO SCALE



2 EXTERIOR DUCTWORK CONSTRUCTION DETAIL
SCALE: NOT TO SCALE



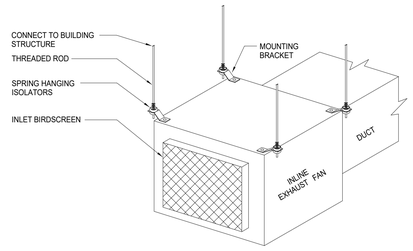
3 GRAVITY VENTILATOR (RV)
SCALE: NOT TO SCALE



4 LOUVER INSTALLATION DETAIL
SCALE: NOT TO SCALE

NOTES:

A. PLENUM SHALL BE SLOPED TO DRAIN OUT OF LOUVER. MOTORIZED DAMPER SHALL BE INSTALLED WITHIN THE PLENUM AS SHOWN.



NOTE: MAINTAIN A MINIMUM CLEARANCE OF 8'-0" ABOVE FINISHED FLOOR UNLESS INDICATED OTHERWISE.

5 INLINE EXHAUST FAN DETAIL
SCALE: NOT TO SCALE

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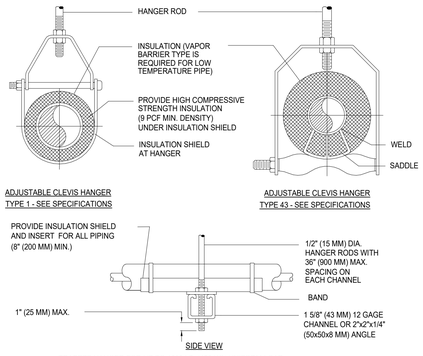
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DETAILS

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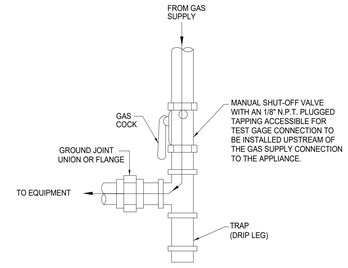
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PROJ. No. 432607
DWG. No.

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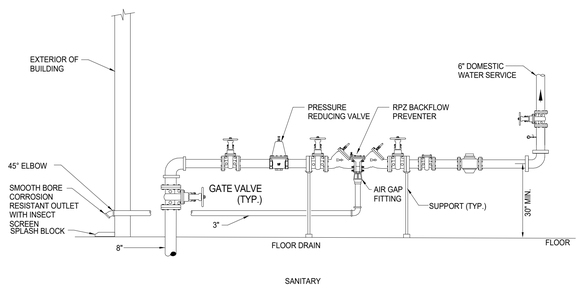
1 TYPICAL PIPE HANGERS DETAIL

SCALE: NONE



2 GAS EQUIPMENT CONNECTION DETAIL

SCALE: NONE



3 TYPICAL WATER SERVICE DETAIL

SCALE: NOT TO SCALE

PLUMBING FIXTURE / SPECIALTY SCHEDULE

FIXTURE NO.	DESCRIPTION	MANUFACTURER & MODEL	PIPING CONNECTIONS				ACCESSORIES	REMARKS
			S/W	VENT	C.W.	H.W.		
DN-1	DOWNSPOUT NOZZLE, CAST BRONZE, WALL FLANGE	JOSAM 25010 SERIES	-	-	-	-	-	INSTALLED AT STORM OVERFLOW DISHARGE, SEE PLAN FOR SIZE
FCO-1	FLOOR CLEAN OUT W/ ROUND ADJUSTABLE NICKEL BRONZE TOP & SECONDARY PLUG	MIFAB C1100-R	VARIES	-	-	-	-	SIZE TO MATCH SANITARY LINE SIZE, MAXIMUM 4"
RD-1	ROOF DRAIN, DUAL OUTLET, CAST IRON BODY AND DOME STRAINER, DECK ANCHOR FLANGE, AND MEMBRANE CLAMP	WATTS RD-700-CT	-	-	-	-	-	REFER TO PLANS FOR SIZE
RPZ-1	REDUCED PRESSURE ZONE BACKFLOW PREVENTOR W/ QUARTER TURN BALL VALVES, LEAD FREE (ASSE 1013)	ZURN LF009	-	-	8"	-	AIR GAP FITTING, WILKINS AG.	DOMESTIC WATER SERVICE
WH-1	WALL HYDRANT, ENCASED NON-FREEZE, SATIN NICKEL BRONZE BOX, HINGED WITH LOCKING COVER, VACCUM BREAKER (ASSE 1019)	MIFAB MHY-20-BA	-	-	3/4"	-	-	ORDER LENGTH AS REQUIRED FOR WALL THICKNESS

PLUMBING ABBREVIATIONS

AC	AIR COMPRESSOR
AD	ACESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AR	APPLIANCE REGULATOR
ASC	ABOVE SUSPENDED CEILING
AWC	AUTOMATIC WASHER CONNECTION
BAV	BALANCING VALVE
BC	BALANCING COCK
BFP	BACKFLOW PREVENTER
BT	BATHTUB
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
CA	COMPRESSED AIR
CB	CATCH BASIN
CFH	CUBIC FEET PER HOUR
CHKV	CHECK VALVE
CI	CAST IRON
CO	CLEANOUT
COND	CONDENSATE
COMP	COMPARTMENT
CONN	CONNECTION
CSS	CLINICAL SERVICE SINK
CW	COLD WATER
CWFU	COLD WATER FIXTURE UNIT
CWP	CIRCULATING WATER PUMP
D	DRAIN LINE
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DIP	DUCTILE IRON PIPE
DIW	DEIONIZED WATER
DN	DOWN
DS	DOWNSPOUT
DSN	DOWN SPOUT NOZZLE
DW	DISH WASHER
DWH	DOMESTIC WATER HEATER
DWV	DROP TO WASTE/RISE TO VENT
EC	ELECTRICAL CONTRACTOR
EST	EMERGENCY STORM SEWER
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXST	EXISTING
F	FAHRENHEIT DEGREES
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEANOUT
FCF	FLOW CONTROL FITTING (GREASE INTERCEPTOR)
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FP	FIRE PROTECTION PIPING
FS	FLOOR SINK
FT	FOOTING TILE
G	GAS
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
GLV	GLOBE VALVE
GM	GAS METER
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GT	GREASE TRAP
GTV	GATE VALVE
GWH	GAS WATER HEATER
HB	HOSE BIBB
HP	HORSEPOWER
HW	HOT WATER
HWFU	HOT WATER FIXTURE UNIT
HWCP	HOT WATER CIRCULATING PUMP
HWR	HOT WATER RECIRCULATION
HWT	HOT WATER TANK
INV. EL.	INVERT ELEVATION
KS	KITCHEN SINK
LAV	LAVATORY
LO	LOCKED OPEN VALVE
LPD	LOW POINT DRAIN
LT	LAUNDRY TUB
M	METER
MC	MECHANICAL CONTRACTOR
MH	MANHOLE
MR	MEDIUM PRESSURE REGULATOR
MSB	MOP SERVICE BASIN
MV	MIXING VALVE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OI	OIL INTERCEPTOR
OS&Y	OUTSIDE SCREW & YOKE
OSI	OIL SEDIMENT INTERCEPTOR
OSW	OPEN SITE WASTE
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PUMP DISCHARGE
PRV	PRESSURE REDUCING VALVE
PT	PLASTER TRAP
PVC	POLYVINYL CHLORIDE
RD	ROOF DRAIN
RV	RELIEF VENT
RWL	RAIN WATER LEADER
SAN	SANITARY SEWER
SCW	SOFTENED COLD WATER
SE	SEWAGE EJECTOR
SF	SQUARE FOOT
SHR	SHOWER
SK	SINK
SMP	SUMP PUMP
SS	SERVICE SINK
SSS	SURGICAL SERVICE SINK
ST	STORM SEWER
STN	STRAINER
SWE	STORM WATER EJECTOR
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TP	TRAP PRIMER
TW	TEMPERED WATER
UR	URINAL
V	VENT
VAC	VACUUM
VB	VACUUM BREAKER
VR	VENT RISE
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
W.C.	WATER COLUMN
WCO	WALL CLEANOUT
WF	WASH FOUNTAIN
WG	WATER GAUGE
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WM	WATER METER
WSV	WASTE STACK VENT
WTCS	WATER TEMPERATURE CONTROL STATION
WV	WET VENT
YCO	YARD CLEANOUT
YH	YARD HYDRANT

PLUMBING SYMBOLS - VALVES AND SPECIALTIES

	SHUT-OFF VALVE (GATE, BALL, ETC.)
	BALANCING VALVE
	SHUT-OFF VALVE IN RISER
	MEDIUM PRESSURE REULATOR
	GAS COCK
	CHECK VALVE
	STRAINER
	GLOBE VALVE
S	SOLENOID VALVE
X	RELIEF VALVE (X INDICATES P - PRESSURE, T - TEMPERATURE, PT - COMBINATION PRESS/TEMP)
	BRANCH CONNECTION - BOTTOM
	BRANCH CONNECTION - TOP
	ELBOW - TURNED DOWN
	ELBOW - TURNED UP
	CAP
C.O. C.O.	CLEANOUT (FLOOR/WALL)
	FLOOR DRAIN
	FLOOR SINK
	ROOF DRAIN ABOVE/BELOW DECK
WH	WALL HYDRANT
HB	HOSE BIBB
	REDUCER
	UNION
	PIPE GUIDE (PG)
	PIPE ANCHOR (PA)
WHA-X	WATER HAMMER ARRESTOR (X INDICATES PDI SIZE)
	FLEXIBLE CONNECTOR
	DIRECTION OF FLOW
P	PRESSURE GAUGE
	THERMOMETER
PT	PRESSURE/TEMPERATURE TAP
M	METER
	PUMP
WC-1	PLUMBING FIXTURE No. (SEE SPEC.)
BFP-1	PLUMBING SPECIALITY No. (SEE SPEC.)
DWH-1	PLUMBING EQUIPMENT No. (SEE SPEC.)
2 / P100	DRAWING SECTION NUMBER, DRAWING WHERE FOUND
2 / P100	DRAWING DETAIL NUMBER, DRAWING WHERE FOUND
105	ROOM NUMBER
	POINT OF CONNECTION/REMOVAL

PLUMBING SYMBOLS - PIPING DESIGNATIONS

CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RETURN
TW	TEMPERED WATER
SAN	SANITARY SEWER
ST	STORM SEWER
ST/OD	STORM SEWER OVERFLOW DRAIN
V	VENT
ST	STORM SEWER
CA	COMPRESSED AIR
PD	PUMPED DISCHARGE

GENERAL NOTES

1. THIS LEGEND SHEET IS FOR CONTRACTOR REFERENCE ONLY. NOT ALL SYMBOLS AND/OR ABBREVIATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/OR EXCLUSION OF ANY PARTICULAR ITEM FROM THE PROJECT.
2. THE PLANS ARE DIAGRAMMATIC AND INDICATE ONLY THE SIZE AND GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. EXACT LOCATION OF ALL ELEMENTS SHALL BE DETERMINED AS WORK PROGRESSES, IN COOPERATION AND COORDINATION WITH THE WORK OF ALL OTHER TRADES. IT IS NOT INTENDED TO SHOW EVERY ITEM OF WORK OR MINOR PIECE OF EQUIPMENT, BUT THE CONTRACTOR SHALL FURNISH AND INSTALL WITHOUT ADDITIONAL REMUNERATION ANY COMPONENT NECESSARY TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
3. ITEMS OF WORK OR EQUIPMENT SHOWN ON THE DRAWINGS ONLY, OR CALLED FOR IN THE SPECIFICATIONS ONLY, SHALL BE FURNISHED AND INSTALLED IN THE SAME MANNER AS IF THEY APPEARED ON BOTH THE DRAWINGS AND SPECIFICATIONS.
4. DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATIONS, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL MAKE SUCH CHANGES IN PIPING AND LOCATION OF EQUIPMENT, ETC. TO ACCOMMODATE WORK WITH THAT OF OTHER CONTRACTORS.
5. INSTALL EQUIPMENT AND PIPING TO AVOID INTERFERENCE WITH THE OPERATION OR SERVICING AND MAINTENANCE OF EQUIPMENT.
6. PIPES PENETRATING FIRE WALLS AND FLOORS SHALL BE FIRESTOPPED AS SPECIFIED. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIRE WALL / FLOOR LOCATIONS.
7. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY USE OF ITEMS BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.
8. PERFORM ALL WORK IN COMPLETE ACCORDANCE WITH THE 2020 NEW YORK PLUMBING CODE , THE 2020 NEW YORK BUILDING CODE, 2020 NEW YORK ENERGY CONSERVATION CONSTRUCTION CODE, 2020 NEW YORK FIRE CODE, AND THE 2020 NEW YORK MECHANICAL CODE.

BUDC
Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION
631 NORTHLAND AVE.
BUFFALO, NY 14211

INDUSTRIAL MANUFACTURING BUILDING

ISSUED FOR BID

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Centerpointe Corporate Park
375 Essjay Road, Suite 200
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Wendel WD Architecture, Engineering, Surveying and Landscape Architecture, P.C.

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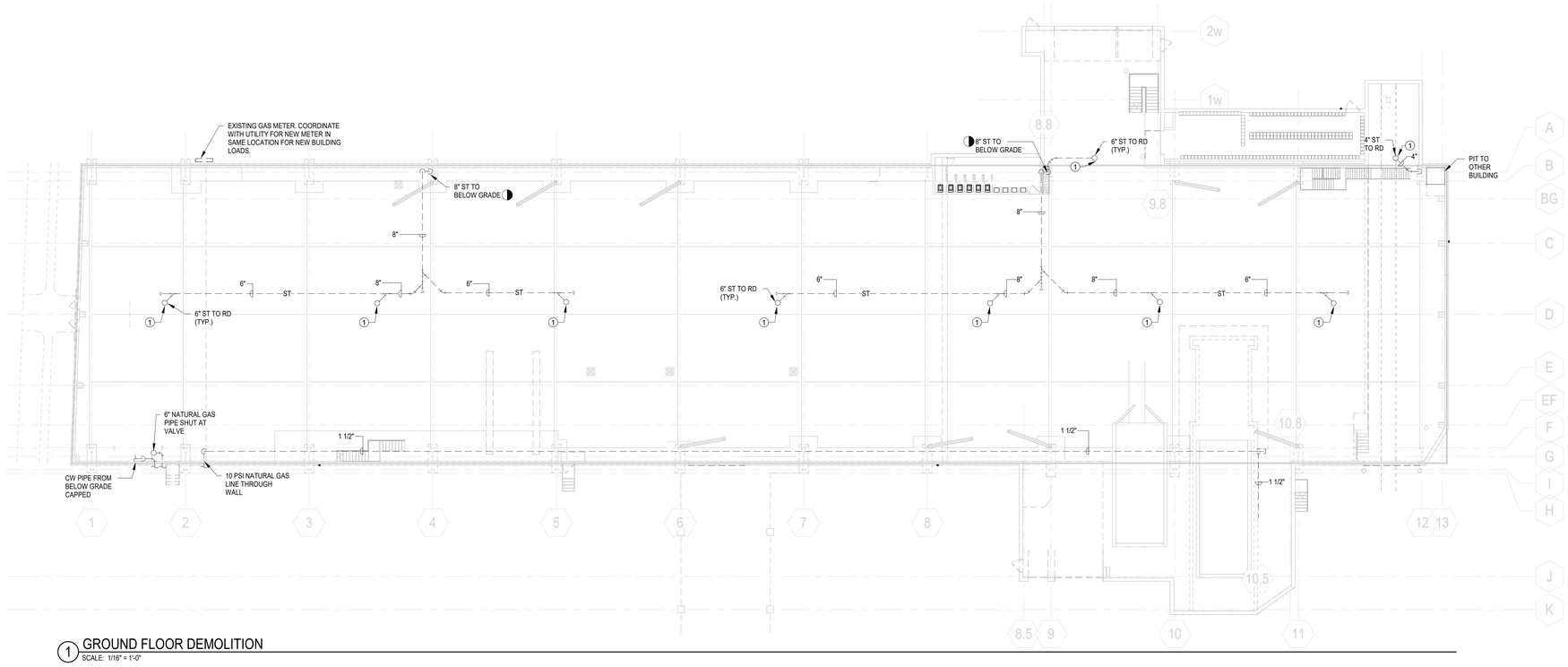
NO.	REVISIONS	DATE
1	ISSUED FOR PERMIT	10/1/25
0	ISSUED FOR BID	10/1/25

DWG. TITLE

SYMBOLS, ABBREVIATIONS, GENERAL NOTES

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/25
SCALE	
DWN.	WJH
CHK.	JTW
PROJ. No.	432607
DWG. No.	**P001**



1 GROUND FLOOR DEMOLITION
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

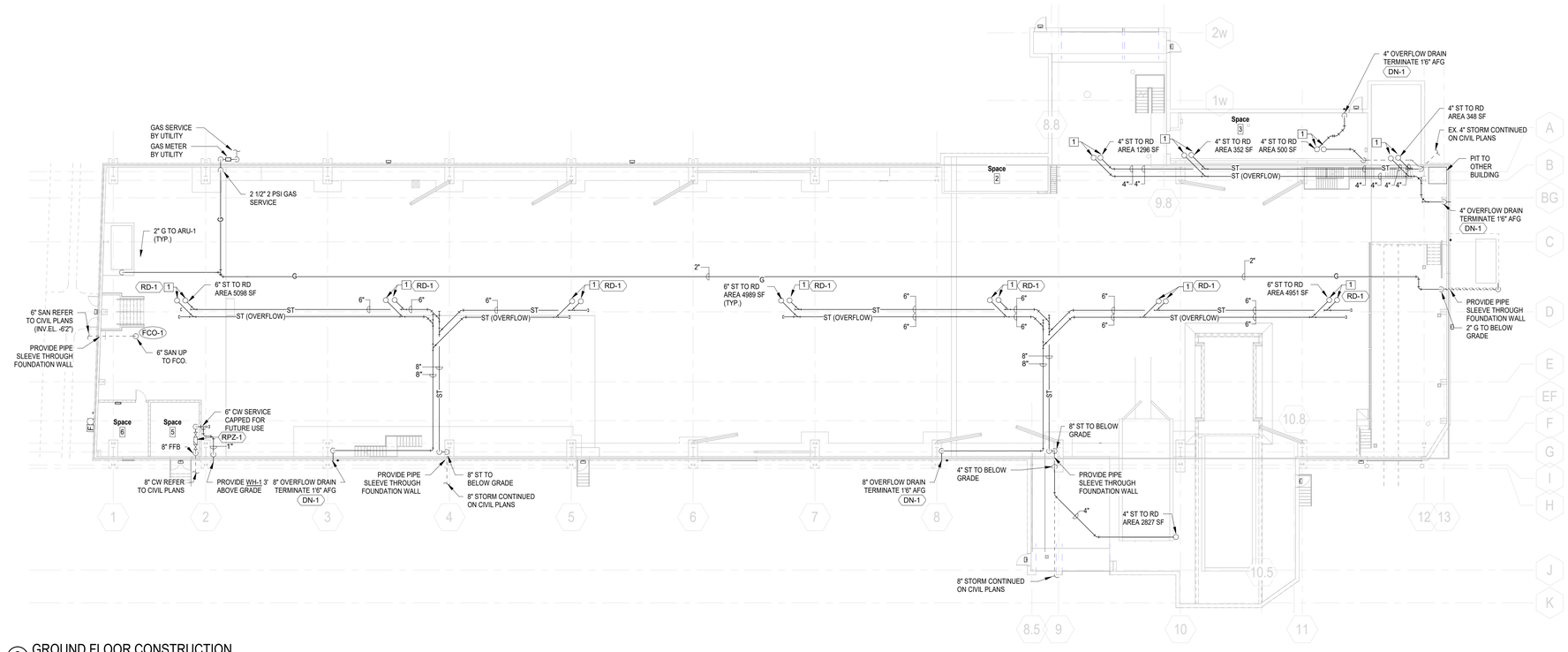
A. ALL EXISTING PIPING IS BASED ON EXISTING DRAWINGS AND FIELD OBSERVATION. CONTRACTOR TO VERIFY ALL LOCATIONS AND SIZES AND REPORT BACK TO ENGINEER ANY DISCREPANCIES.

(#) DEMOLITION NOTES:

1. REMOVE EXISTING ROOF DRAIN AND ALL ASSOCIATED PIPING, HANGERS, AND HARDWARE BACK TO BELOW SLAB. SAW CUT SLAB AS REQUIRED TO REMOVE PIPING AND PROVIDE CAP. REPAIR SLAB PER DETAIL 18/S200 ON STRUCTURAL DRAWINGS. REFER TO HAZARDOUS MATERIAL DRAWINGS FOR PIPING REMOVAL REQUIREMENTS.
2. REMOVE EXISTING GAS PIPING AND ALL ASSOCIATED HARDWARE BACK THROUGH EXTERIOR WALL.

[#] CONSTRUCTION NOTES:

1. PROVIDE ROOF DRAIN AS SCHEDULED IN SAME LOCATION AS REMOVED ROOF DRAIN. EXPAND ROOF PENETRATION AS REQUIRED FOR NEW ROOF DRAIN BODY. REFER TO STRUCTURAL PLANS FOR ROOF PENETRATION REINFORCING.



2 GROUND FLOOR CONSTRUCTION
SCALE: 1/16" = 1'-0"

BUDC
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NO.	REVISIONS	DATE
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0	ISSUED FOR BID	10/1/25

DWG. TITLE

GROUND FLOOR PLANS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	06/27/25
SCALE	1/16" = 1'-0"
DWN.	WJH
CHK.	JTW
PROJ. No.	432607
DWG. No.	

P101

SYMBOLS & ABBREVIATIONS SCHEDULE

RECEPTACLES

LP2,12	DUPLEX RECEPTACLE OUTLET, 18" A.F.F.. TAMPER RESISTANT, 20AMP COMMERCIAL GRADE GROUNDING TYPE WITH MATCHING COVERPLATE. TAG INDICATES PANELBOARD & BRANCH CIRCUIT THAT IT IS CONNECTED TO.
LP2,12	GFCI RECEPTACLE OUTLET, 18" A.F.F.. TAMPER RESISTANT, 20AMP COMMERCIAL GRADE GROUNDING TYPE WITH MATCHING COVERPLATE. TAG INDICATES PANELBOARD & BRANCH CIRCUIT THAT IT IS CONNECTED TO.
LP2,12	DUPLEX RECEPTACLE OUTLET, 18" AFF., TAMPER RESISTANT, 20AMP COMMERCIAL GRADE GROUNDING TYPE WITH MATCHING COVERPLATE. TAG INDICATES PANELBOARD & DEDICATED BRANCH CIRCUIT THAT IT IS CONNECTED TO. RECEPTACLE SHALL BE SUPPLIED BY A GFCI CIRCUIT BREAKER. PROVIDE LABEL ON COVER "PROTECTED BY GFCI"
LP2,12	INDICATES (2) TAMPER RESISTANT, 20 AMP, COMMERCIAL GRADE RECEPTACLES IN 2-GANG BOX UNDER A COMMON MATCHING COVERPLATE. RECEPTACLES SHALL BE GROUNDING TYPE. TAG INDICATES PANELBOARD & BRANCH CIRCUIT THAT IT IS CONNECTED TO.
LP2,12	(2) GFCI RECEPTACLE OUTLETS, 18" A.F.F., TAMPER RESISTANT, 20AMP COMMERCIAL GRADE GROUNDING TYPE IN 2-GANG BACKBOX WITH MATCHING COMMON COVERPLATE. TAG INDICATES PANELBOARD & BRANCH CIRCUIT THAT IT IS CONNECTED TO.
LP2,10,12	RANGE OR DRYER OUTLET VERIFY RECEPTACLE NEMA CONFIGURATION, RATING & INSTALLATION HEIGHT WITH SELECTED EQUIPMENT SUPPLIER. TAG INDICATES PANELBOARD & BRANCH CIRCUIT THAT IT IS CONNECTED TO. COVER PLATES SHALL BE STAINLESS STEEL.
LP2,12	SPECIAL PURPOSE RECEPTACLE AS CALLED FOR ON DRAWINGS OR AS REQUIRED BY EQUIPMENT MANUFACTURER. VERIFY NEMA CONFIGURATION. TAG INDICATES PANELBOARD & BRANCH CIRCUIT THAT IT IS CONNECTED TO.
LP2,12	FLOOR MOUNTED RECEPTACLE AS CALLED FOR ON DRAWINGS OR AS REQUIRED BY EQUIPMENT MANUFACTURER. UNLESS OTHERWISE NOTED, PROVIDE RECESSED IN CONCRETE WITH A METAL COVER. TAG INDICATES PANELBOARD & BRANCH CIRCUIT THAT IT IS CONNECTED TO.
WALL / FLOOR	PROVIDE COMPLETE ELECTRICAL POWER CONNECTION TO MODULAR FURNITURE. WHIP TO BE PROVIDED WITH FURNITURE. CONNECTION SHALL INCLUDE MINIMUM WALL OR FLOOR JUNCTION BOX, WIRING TO CIRCUIT INDICATED, FINAL CONNECTION TO APPROPRIATE FURNITURE GROUP.
FB1 LP2,12	TYPE #1 FLOOR BOX WITH (1) DUPLEX RECEPTACLE . UNLESS OTHERWISE NOTED, PROVIDE RECESSED IN CONCRETE WITH A METAL COVER. TAG INDICATES PANELBOARD & BRANCH CIRCUIT THAT IT IS CONNECTED TO.

POWER

J	WALL MOUNTED JUNCTION BOX. SIZE AS INDICATED OR PROVIDE MINIMUM SIZE REQUIRED BY LATEST EDITION OF NATIONAL ELECTRICAL CODE (NFPA 70-NEC).
J	CEILING MOUNTED JUNCTION BOX, SIZE AS INDICATED OR PROVIDE MINIMUM SIZE REQUIRED BY LATEST EDITION OF NATIONAL ELECTRICAL CODE (NFPA 70-NEC).
	PROVIDE COMPLETE ELECTRICAL CONNECTION TO EQUIPMENT INDICATED (INCLUDING DISCONNECT, CONDUCTORS, RACEWAY, & OTHER REQUIRED HARDWARE. XX-X INDICATES EQUIPMENT TAG. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	PROVIDE COMPLETE ELECTRICAL CONNECTION TO MOTOR INDICATED (INCLUDING DISCONNECT, STARTER, CONDUCTORS, RACEWAY, & OTHER REQUIRED HARDWARE. XX-X INDICATES EQUIPMENT TAG. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	EMERGENCY POWER OFF BUTTON (EPO). PROVIDE WHERE INDICATED ON DRAWINGS. PROVIDE ALL REQUIRED INTERFACES AS CALLED FOR ON DRAWINGS OR REQUIRED BY EQUIPMENT MANUFACTURER.
TYPICAL WALL	ELECTRICAL PANELBOARD, SURFACE MOUNTED. UNLESS OTHERWISE NOTED, INSTALL AT 72" A.F.F. TO THE TOP OF THE BOX.
TYPICAL WALL	ELECTRICAL PANELBOARD, FLUSH MOUNTED. UNLESS OTHERWISE NOTED, INSTALL AT 72" A.F.F. TO THE TOP OF THE BOX.
	TYPICAL DISCONNECT (SAFETY SWITCH). REFER TO DRAWINGS FOR SIZE & ADDITIONAL FUSING REQUIREMENTS.
	TYPICAL DRY-TYPE TRANSFORMER (SIZE MIGHT VARY). UNLESS OTHERWISE NOTED, PROVIDE FLOOR MOUNTED WITH CONCRETE EQUIPMENT PAD.
	ELECTRICAL PIECE OF EQUIPMENT. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.

LIGHTING

(REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION, LUMINAIRE SYMBOLS ARE SHOWN TO INDICATE GENERAL SHAPE & SIZE, ACTUAL SYMBOLS MY VARY)

T42,d,13	LUMINAIRE (RECESSED). REFER TO LUMINAIRE SCHEDULE FOR ADDTIONAL INFORMATION. UPPERCASE LETTER INDICATES TYPE IN LUMINAIRE SCHEDULE, LOWERCASE LETTER INDICATES TYPE OF SWITCHED LEG, NUMBER INDICATES CIRCUIT IN PANELBOARD.
S42,9,12	LUMINAIRE (SURFACE OR PENDANT MOUNTED). REFER TO LUMINAIRE SCHEDULE FOR ADDTIONAL INFORMATION. UPPERCASE LETTER INDICATES TYPE IN LUMINAIRE SCHEDULE, LOWERCASE LETTER INDICATES TYPE OF SWITCHED LEG, NUMBER INDICATES CIRCUIT IN PANELBOARD.
A4 c 17 / A6 c 17	RECESSED DOWNLIGHT. REFER TO LUMINAIRE SCHEDULE FOR ADDTIONAL INFORMATION. UPPERCASE LETTER INDICATES TYPE IN LUMINAIRE SCHEDULE, LOWERCASE LETTER INDICATES TYPE OF SWITCHED LEG, NUMBER INDICATES CIRCUIT IN PANELBOARD
AW4 d 19 / AW8 d 19	RECESSED WALLWASHER. REFER TO LUMINAIRE SCHEDULE FOR ADDTIONAL INFORMATION. UPPERCASE LETTER INDICATES TYPE IN LUMINAIRE SCHEDULE, LOWERCASE LETTER INDICATES TYPE OF SWITCHED LEG, NUMBER INDICATES CIRCUIT IN PANELBOARD
EM / EM / EM / EM	EMERGENCY LUMINAIRE, PROVIDE LUMINAIRE TYPE AS INDICATED. REFER TO PLANS & SPECIFICATIONS FOR ADDITIONAL INFORMATION.
K 3 abc	WALL LIGHT SWITCH, ROMAN NUMERAL INDICATES NUMBER OF SWITCHES GANGED UNDER ONE COVERPLATE. LOWER CASE LETTERS INDICATE SWITCHING. PROVIDE WITH MATCHING COVERPLATES "K" - KEYED SWITCH. "3" - 3-WAY "4" - 4-WAY "WP" - WATERPROOF (IP66 MINIMUM)
3E abc	WALL MOUNTED DIMMER CONTROLLER (LED OR FLUORESCENT). ROMAN NUMERAL INDICATES NUMBER OF SWITCHES GANGED UNDER COMMON COVERPLATE. LOWER CASE LETTERS INDICATE SWITCHING. UNLESS OTHERWISE NOTED, PROVIDE 0-10VDC. COORDINATE & PROVIDE ANY ADDITIONAL WIRING REQUIREMENTS.
	LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR (AUTO ON, AUTO OFF) WITH DUAL TECHNOLOGY SENSING & 360° VIEW CAPABILITY. PROVIDE COMPLETE WITH ALL REQUIRED RELAYS & WIRING AS REQUIRED BY SELECTED EQUIPMENT MANUFACTURER.
OS	WALL MOUNTED OCCUPANCY SENSOR (AUTO ON, AUTO OFF) TYPE SWITCH.
	LOW VOLTAGE CORNER MOUNTED OCCUPANCY SENSOR WITH DUAL TECHNOLOGY SENSING. PROVIDE COMPLETE WITH ALL REQUIRED RELAYS & WIRING AS REQUIRED BY SELECTED EQUIPMENT MANUFACTURER.
	LOW VOLTAGE CEILING MOUNTED VACANCY SENSOR (MANUAL ON, AUTO OFF) WITH DUAL TECHNOLOGY SENSING & 360° VIEW CAPABILITY. PROVIDE COMPLETE WITH ALL REQUIRED RELAYS & WIRING AS REQUIRED BY SELECTED EQUIPMENT MANUFACTURER. REPLACE EXISTING WALL SWITCHES WITH LOW VOLTAGE (MOMENTARY CONTACT TYPE) & MODIFY EXISTING WIRING AS REQUIRED.
VS	WALL MOUNTED VACANCY SENSOR (MANUAL ON, AUTO OFF) TYPE SWITCH.
	LOW VOLTAGE CORNER MOUNTED VACANCY SENSOR (MANUAL ON, AUTO OFF) WITH DUAL TECHNOLOGY SENSING. PROVIDE COMPLETE WITH ALL REQUIRED RELAYS, LOW VOLTAGE SWITCHING & WIRING AS REQUIRED BY SELECTED EQUIPMENT MANUFACTURER. REPLACE EXISTING WALL SWITCHES WITH LOW VOLTAGE (MOMENTARY CONTACT TYPE) & MODIFY EXISTING WIRING AS REQUIRED.
	DAYLIGHT HARVESTING PHOTOCELL. PROVIDE COMPLETE WITH ALL REQUIRED MOUNTING HARDWARE & INTERCONNECTION TO CONTROLLER AS SPECIFIED. LOCATE IN ROOM PER MANUFACTURERS REQUIREMENTS.
10'-0"	LUMINAIRE MOUNTING HEIGHT TAG. INDICATES THE HEIGHT THAT THE BOTTOM OF LUMINAIRE SHALL BE INSTALLED IN THE ASSOCIATED ROOM.
	TYPICAL SITE LUMINAIRE (EXACT SYMBOL MAY VARY). SHALL INCLUDE LUMINAIRE HEAD, POLE, & CONCRETE BASE. REFER TO LUMINAIRE SCHEDULE & SITE LIGHTING PLAN FOR ADDITIONAL INFORMATION.
	EMERGENCY LUMINAIRE UNIT, SHALL BE WITH BATTERY BACKUP. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. BATTERY CAPACITY SHALL MEET OR EXCEED MINIMUM OPERATION TIME REQUIRED BY CODES.
	EXIT SIGN (LED TYPE), SHALL PROVIDED WITH INTEGRAL BATTERY BACKUP. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. VERIFY SHEVRON DIRECTION IN FIELD, PROVIDE AS REQUIRED. BATTERY CAPACITY SHALL MEET OR EXCEED MINIMUM OPERATION TIME REQUIRED BY CODE.

TYPICAL LUMINAIRE NOTATION

LUMINAIRE TYPE — SWITCH LEG — T42,d,13 — BRANCH CIRCUIT — EM/NL — EMERGENCY AND/OR NIGHTLIGHT

DATA (SYSTEMS)

	DATA DROP LOCATION. UNLESS OTHERWISE NOTED, PROVIDE MINIMUM OF (2) CAT 6 CABLES & TERMINATIONS, INSTALL 18" AFF, EXTENSION RING & ASSOCIATED JACKS. PROVIDE 3/4" RACEWAY TO NEAREST ACCESSIBLE CEILING SPACE. PROVIDE WITH COVERPLATE. ALL DATA CABLES SHALL BE PROPERLY TERMINATED AT BOTH ENDS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
TV	TELEVISION CONNECTION DROP, VERIFY FINAL LOCATION PRIOR TO INSTALLATION. PROVIDE COAX CABLE WITH DUPLEX RECEPTACLE UNDER THE SAME COVERPLATE. VERIFY EXACT HEIGHT OF OUTLET & RECEPTACLE PRIOR TO ROUGH-IN.
AV	A/V CONNECTION FOR WALL MOUNTED FLAT PANEL DISPLAY. PROVIDE CABLE TV WIRING, DATA PORT CABLE, HDMI CABLE TO THE FLOOR BOX. BOX SHALL INCLUDE A DUPLEX RECEPTACLE. EQUIPMENT SHALL BE LEGRAND HT2102-WH-V1 OR EQUAL
DATA-X WALL / FLOOR	PROVIDE DATA CABLING TO MODULAR OFFICE FURNITURE. SHALL INCLUDE WALL JUNCTION BOX OR FLOOR BOX. CONDUIT TO ACCESSIBLE SPACE. 'DATA-X' INDICATES NUMBER OF CABLES AT THIS LOCATION. UNLESS OTHERWISE NOTED, ROUTE DATA CABLES THROUGH THE FURNITURE & TERMINATE AT BOTH ENDS. COORDINATE DATA WIRING WITH FURNITURE INSTALLER.
	WIRELESS ACCESS POINT, CEILING MOUNTED. PROVIDE DATA CONNECTION & ALL REQUIRED WIRING FOR COMPLETE INSTALLATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

POWER ONE-LINE

	POWER TRANSFORMER, DELTA PRIMARY, WYE SECONDARY OR AS INDICATED. PROVIDE ALL REQUIRED GROUNDING.
XXAF / XXAT	MOLDED CASE CIRCUIT BREAKER. AF INDICATES FRAME SIZE, AT INDICATES TRIP SETTING
XXAF / XXAT	DRAWOUT TYPE CIRCUIT BREAKER. AF INDICATES FRAME SIZE, AT INDICATES TRIP SETTING
XXAS XXAF / XXAS XXAF	DISCONNECT SWITCH & FUSIBLE SWITCH. XXAS INDICATES SWITCH AMPERE SIZE XXAF INDICATES FUSE AMPERE SIZE
XX A	FUSE, XX A INDICATES FUSE SIZE IN AMPERES.
1PP1 225 MLO 208Y/120V 3-PHASE 4-WIRE	PANELBOARD
E N	TRANSFER SWITCH.
GFP	GROUND FAULT PROTECTION.
SPD	SURGE PROTECTION.
PQM	POWER QUALITY METER.
DVM	DIGITAL VOLT METER.
65000	AVAILABLE FAULT CURRENT TAG (AMPS)

FIRE ALARM

EL	FIRE ALARM SYSTEM SMOKE SENSOR, (CEILING MOUNTED). PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER. (ROUND-CEILING MOUNTED, SQUARE-WALL MOUNTED). TAG 'EL' INDICATES SMOKE DETECTORS SHALL BE PROGRAMMED FOR ELEVATOR RECALL.
	FIRE ALARM SYSTEM HEAT DETECTOR. UNLESS OTHERWISE NOTED, PROVIDE COMBINATION FIXED (135°F) & RATE-OF-RISE (15° PER MINUTE) TYPE DEVICE. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
F 190°F	FIRE ALARM SYSTEM HEAT DETECTOR. PROVIDE WITH FIXED TEMPERATURE SENSING ELEMENT (190°F OR AS OTHERWISE NOTED). PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
CEILING MOUNTED / WALL MOUNTED	CARBON MONOXIDE DETECTOR. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER. FLAME DETECTOR, CEILING MOUNTED. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER. TAG INDICATES UV OR IR TECHNOLOGY.
	FIRE ALARM SYSTEM DUCT DETECTOR. PROVIDE COMPLETE INSTALLATION INCLUDING SAMPLING TUBES EXTENDING THE FULL WIDTH OF DUCT. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
TS	FIRE ALARM SYSTEM REMOTE TEST STATION. PROVIDE WHERE INDICATED ON DRAWING & INTERFACE WITH DETECTION DEVICE INDICATED. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
F	FIRE ALARM SYSTEM MANUAL PULL STATION. PROVIDE COMPLETE INSTALLATION WITH PROTECTIVE COVER WHERE REQUIRED. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
RECEIVER / TRANSMITTER	FIRE ALARM SYSTEM BEAM DETECTOR TRANSMITTER & RECEIVER SYSTEM. PROVIDE COMPLETE INSTALLATION INCLUDING REMOTE TEST STATION. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
	FIRE ALARM SYSTEM WATER FLOW SWITCH. PROVIDE COMPLETE INTERFACE BETWEEN FLOW SWITCH & FIRE ALARM CONTROL PANEL. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
	FIRE ALARM SYSTEM TAMPER SWITCH. PROVIDE COMPLETE INTERFACE BETWEEN TAMPER SWITCH & FIRE ALARM CONTROL PANEL. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
XXXcd	FIRE ALARM SYSTEM AUDIO/VISUAL NOTIFICATION APPLIANCE (WALL MOUNTED BETWEEN 80" TO 96", INSTALL NOT CLOSER THEN 6" TO THE FINISHED CEILING). PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER. UNLESS OTHERWISE NOTED, PROVIDE 15cd VISUAL DEVICE.
XXXcd	FIRE ALARM SYSTEM VISUAL NOTIFICATION APPLIANCE (WALL MOUNTED BETWEEN 80" TO 96", INSTALL NOT CLOSER THEN 6" TO THE FINISHED CEILING). PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER. UNLESS OTHERWISE NOTED, PROVIDE 15cd VISUAL DEVICE.
	FIRE ALARM SYSTEM AUDIO NOTIFICATION APPLIANCE (WALL MOUNTED BETWEEN 80" TO 96", INSTALL NOT CLOSER THEN 6" TO THE FINISHED CEILING). PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
XXXcd	FIRE ALARM SYSTEM AUDIO/VISUAL NOTIFICATION APPLIANCE (CEILING MOUNTED). PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER. UNLESS OTHERWISE NOTED, PROVIDE 75cd VISUAL DEVICE.
XXXcd	FIRE ALARM SYSTEM VISUAL NOTIFICATION APPLIANCE (CEILING MOUNTED). PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER. UNLESS OTHERWISE NOTED, PROVIDE 75cd VISUAL DEVICE.
	FIRE ALARM SYSTEM AUDIO NOTIFICATION APPLIANCE (CEILING MOUNTED). PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
FA	FIRE ALARM SYSTEM WATER FLOW ALARM INTERFACE. PROVIDE COMPLETE ELECTRICAL INTERFACE TO ALARM (PROVIDED & INSTALLED BY SPRINKLER CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR). PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
ZAM	FIRE ALARM SYSTEM ZONE ADDRESSABLE MODULE. PROVIDE WHERE REQUIRED PER SPECS/DETAILS. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
CZAM	FIRE ALARM SYSTEM CONTROLLABLE ZONE ADDRESSABLE MODULE. PROVIDE WHERE REQUIRED PER SPECS/DETAILS. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
IAM	FIRE ALARM SYSTEM INDIVIDUAL ADDRESSABLE MODULE. PROVIDE WHERE REQUIRED PER SPECS/DETAILS. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
FSR	FIRE ALARM SYSTEM FAN SHUT-DOWN RELAY. PROVIDE WHERE REQUIRED PER SPECS/DETAILS. CONTACT RATING SHALL MATCH FAN MOTOR FEEDER RATING. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
ISO	FIRE ALARM SYSTEM ISOLATION MODULE. PROVIDE WHERE REQUIRED PER SPECS/DETAILS. INSTALL EVERY 25TH INITIATING DEVICE ON SLC LOOP. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
	FIRE ALARM SYSTEM ELECTROMAGNETIC DOOR HOLDER. VERIFY REQUIRED VOLTAGE PRIOR TO ORDERING. PROVIDE COMPLETE INTERFACE TO FACP AS REQUIRED. PROVIDE ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
FACP	TYPICAL FIRE ALARM CONTROL PANEL. SURFACE OR FLUSH MOUNTED. PROVIDE WHERE INDICATED ON FLOOR PLANS. INSTALL APPROXIMATELY 72" A.F.F. TO TOP OF BOX. PROVIDE DEDICATED 120VAC, 20A/1P CIRCUIT ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
NACP	FIRE ALARM NOTIFICATION APPLIANCE CONTROL PANEL (POWER SUPPLY). PROVIDE WHERE INDICATED ON FLOOR PLANS. INSTALL APPROXIMATELY 72" A.F.F. TO TOP OF BOX. PROVIDE DEDICATED 120VAC, 20A/1P CIRCUIT ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.
R.A	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR PANEL. PROVIDE WHERE INDICATED ON FLOOR PLANS. INSTALL APPROXIMATELY 72" A.F.F. TO TOP OF BOX. PROVIDE INTERFACE TO FACP ALL WIRING AS REQUIRED BY SELECTED MANUFACTURER.

GENERAL NOTES: (FOR ALL DRAWINGS)

A. THE DRAWINGS ARE DIAGRAMMATIC & INDICATE GENERALLY THE LOCATIONS OF THE MATERIAL & EQUIPMENT. THESE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE.

B. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER INSTALLATION & OPERATION, SHALL BE INCLUDED IN THE CONTRACTOR'S BID, THE SAME AS IF HEREIN SPECIFIED OR SHOWN.

C. ALL MATERIAL & INSTALLATION SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE NATIONAL ELECTRIC CODE, LATEST EDITION OF LOCAL CODES, & ORDINANCES.

D. ALL CONDUITS ON EXPOSED WORK SHALL BE RUN AT RIGHT ANGLES TO, & PARALLEL WITH, THE SURROUNDING WALL & SHALL CONFORM TO THE FORM OF THE CEILING. DIAGONAL RUNS WILL NOT BE ALLOWED. BENDS IN PARALLEL CONDUIT RUNS SHALL BE CONCENTRIC. ALL CONDUIT SHALL RUN PERFECTLY STRAIGHT & TRUE.

E. ALL CONDUIT RUNS ARE TO BE CONCEALED IN WALLS, CEILINGS, OR IN THE SLAB. CONTRACTOR SHALL COORDINATE CONDUIT INSTALLATION DURING BUILDING CONSTRUCTION WITH OTHER TRADES. RUN SURFACE RACEWAY ONLY WHERE CALLED FOR OR SHOWN ON THE DRAWINGS. EXPOSED CONDUIT SHALL ONLY BE INSTALLED WHERE MEANS OF CONCEALING DOES NOT EXIST. CONTRACTOR IS TO NOTIFY ENGINEER & GET OWNERS APPROVAL PRIOR TO RUNNING EXPOSED CONDUITS.

F. INTERIOR RECEPTACLE & LIGHT FIXTURE BRANCH CIRCUITS SHALL BE IN EMT CONDUIT. A MAXIMUM OF (3) CIRCUITS CAN BE GROUPED TOGETHER IN A HOMERUN CONDUIT. EACH CIRCUIT SHALL HAVE SEPARATE NEUTRAL. GROUPING OF NEUTRALS SHALL NOT BE ACCEPTABLE. EACH CIRCUIT SHALL ALSO HAVE A GROUND WIRE SIZED PER NEC. USING CONDUIT OR MC CABLE AS GROUND PATH SHALL NOT BE ACCEPTABLE. CABLE MUST BE SUPPORTED PER NEC. GROUPING OF GROUND WIRES [(1) GROUND PER (3) CIRCUITS] IS ACCEPTABLE. MAXIMUM 6' LENGTH OF MC CABLE ALLOWED FOR A WHIP CONNECTION TO LUMINAIRE ONLY. EXTERIOR (OUTDOOR) RECEPTACLE & LIGHT FIXTURE BRANCH CIRCUITS SHALL BE IN RMC CONDUIT OR AS PERMITTED IN THE SPECIFICATIONS.

G. COORDINATE ALL LUMINAIRE & CEILING MOUNTED EQUIPMENT LOCATIONS & MOUNTING HARDWARE WITH ARCHITECTURAL CEILING PLANS PRIOR TO CONSTRUCTION.

H. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED COSTS FOR SEALING ALL PENETRATIONS THROUGH FIRE & SMOKE WALLS USING UL APPROVED SEALANT & METHODS.

I. ALL COMMUNICATIONS OUTLET LOCATIONS ARE DIAGRAMMATIC & MUST BE FIELD VERIFIED WITH OWNER'S FURNITURE LOCATIONS PRIOR TO CONSTRUCTION. NO EXTRA COMPENSATION WILL BE GIVEN FOR FAILURE TO VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.

J. UNLESS OTHERWISE NOTED, PROVIDE ALL NEW RACEWAYS. USE SURFACE RACEWAY ONLY WHERE INDICATED ON THE PLANS. IF CONTRACTOR INTENDS TO UTILIZE SURFACE RACEWAY IN AREAS OTHER THOSE INDICATED ON PLANS, PRIOR APPROVAL IS REQUIRED FROM ENGINEER & OWNER.

K. ALL RACEWAYS CROSSING BUILDING EXPANSION JOINTS SHALL BE EQUIPPED WITH EXPANSION FITTINGS.

L. CONTRACTOR SHALL PROVIDE INFORMATION LABELS ON ALL RECEPTACLES, PANELBOARDS, JUNCTION BOXES, WALL SWITCHES, & DISCONNECT SWITCHES. LABELS SHALL BE PHENALIC TYPE WITH BLACK BACKGROUND & WHITE ENGRAVED LETTERING. LABEL SHALL INDICATED CIRCUIT/FEEDER SOURCE & EQUIPMENT ID NAME.

ABBREVIATIONS:

WP	INDICATES WEATHERPROOF DEVICE OR EQUIPMENT
WG	INDICATES DEVICE SHALL HAVE WIRE GUARD PROTECTION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
(ETR)	EXISTING EQUIPMENT SHALL REMAIN IN PLACE
OC	OVER COUNTER (INSTALL 12" ABOVE COUNTER HEIGHT)
UC	UNDER COUNTER (INSTALL 18" ABOVE FINISHED FLOOR)
VNAC	VISUAL NOTIFICATION APPLIANCE CIRCUIT
ANAC	AUDIO NOTIFICATION APPLIANCE CIRCUIT
SLC	SIGNALING LINE CIRCUIT
ATS	AUTOMATIC TRANSFER SWITCH
HP	HORSEPOWER
kW	KILOWATT
kVA	KILOVOLT-AMPERES
VFD	VARIABLE FREQUENCY DRIVE
EM	EMERGENCY
NL	NIGHTLIGHT (TYPICAL FOR LIGHTING, 'ON' ALL THE TIME)
LTG	LIGHTING
CPWR	CONTINUOUS LOAD (POWER)
PWR	POWER
EH	ELECTRIC HEAT
KIT	KITCHEN EQUIPMENT
LMTR	LARGEST MOTOR
EQP	SHOP EQUIPMENT
NEC	NATIONAL ELECTRICAL CODE
MLO	MAIN LUGS ONLY
MCB	MAIN CIRCUIT BREAKER
AWG	AMERICAN WIRE GAGE

BRANCH CIRCUIT WIRING NOTES:

A. UNLESS OTHERWISE NOTED, MINIMUM HOMERUN (HOMERUN SHALL BE CONSIDERED TOTAL LENGTH FROM SOURCE TO LAST DEVICE ON THE CIRCUIT) CONDUCTORS FOR 20A/1P BRANCH CIRCUITS INCLUDING LIGHTING SHALL BE AS FOLLOWS:
- 1-100FT - #12 AWG
- 101-150FT - #10 AWG
- 151-250FT - #8 AWG
- 251-400FT - #6 AWG.
- 401 & LONGER - #4 AWG.

REDUCE CONDUCTORS SIZE TO A MAXIMUM CONDUCTOR SIZE THAT THE LOAD TERMINALS CAN ACCOMMODATE. REDUCED SIZE NOT LONGER THAN ONE FOOT. INCREASE RACEWAY SIZE AS NEEDED PER NEC, FOR THE LARGER SIZES OF CONDUCTORS.

REMOVAL (TYPICAL FOR ALL DEVICES):

XXXcd	TYPICAL POWER & SYSTEMS DEVICE SCHEDULED FOR REMOVAL. DISCONNECT & REMOVE ALL ASSOCIATED ELECTRICAL WORK AS INDICATED ON CONTRACT DOCUMENTS. REINSTALL AS REQUIRED
LMCMD	TYPICAL LUMINAIRE SCHEDULED FOR REMOVAL. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION.

REMOVAL NOTES:
NOT ALL DEVICES SCHEDULED FOR REMOVAL ARE SHOWN ON THIS SCHEDULE. ALL DEVICES TO BE REMOVED ARE MARKED WITH THE SAME LINETYPE & LINE WEIGHT AS SYMBOLS ABOVE. REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION.

EXISTING TO REMAIN (TYPICAL FOR ALL DEVICES):

XXXcd (ETR)	TYPICAL POWER & SYSTEMS DEVICE EXISTING TO REMAIN IN PLACE.
(ETR) / (ETR) / LMCMD (ETR)	EXISTING LUMINAIRE SCHEDULED TO REMAIN IN PLACE. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION.

EXISTING TO REMAIN NOTES:
NOT ALL EXISTING DEVICES SCHEDULED TO REMAIN ARE SHOWN ON THIS SCHEDULE. ALL DEVICES SCHEDULED TO REMAIN ARE MARKED WITH THE SAME LINETYPE & LINE WEIGHT AS SYMBOLS ABOVE. REFER TO FLOOR PLAN DRAWINGS FOR ADDITIONAL INFORMATION.

GENERAL SYMBOLS NOTE:

THIS SYMBOLS & ABBREVIATIONS SCHEDULE IS FOR THE ELECTRICAL CONTRACTOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS SCHEDULE DOES NOT IMPLY INCLUSION AND / OR EXCLUSION OF ANY PARTICULAR ITEM FROM THE PROJECT.

BUDC
Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION
631 NORTHLAND AVE.
BUFFALO, NY 14211

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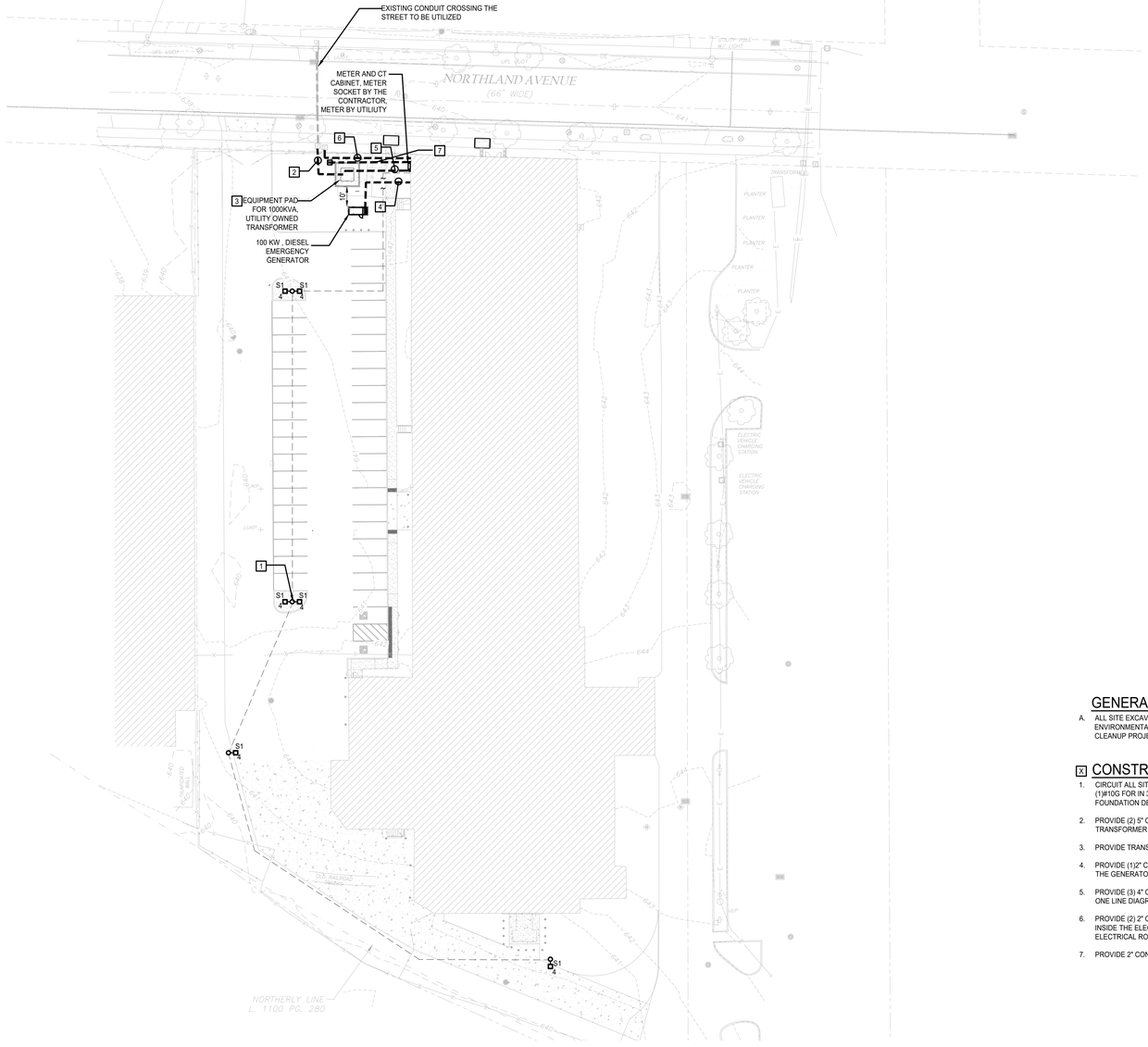
NO.	REVISIONS	DATE
1	ISSUED FOR PERMIT	10/1/25
0	ISSUED FOR BID	10/1/25

DWG. TITLE

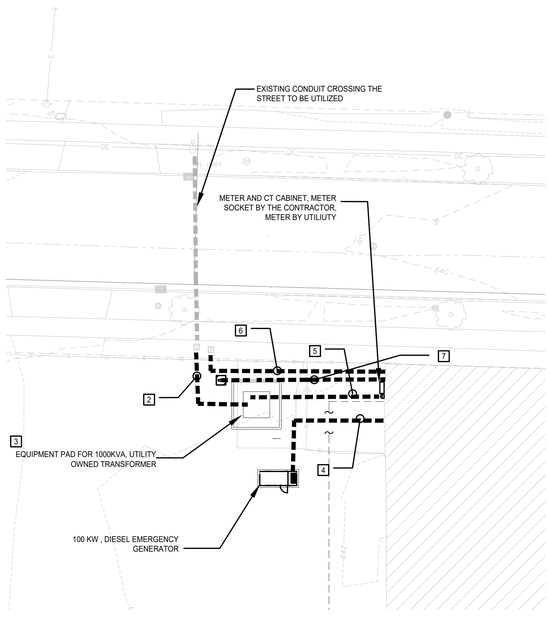
ELECTRICAL LIGHTING PLAN

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	AS NOTED
DWN.	MSH
CHK.	JFW
PROJ. No.	432607
DWG. No.	**E001**



1 ELECTRICAL SITE LAYOUT
SCALE: 1"=30'



2 ENLARGED ELECTRICAL EQUIPMENT LAYOUT
SCALE: 3/4"=1'-0"

GENERAL NOTES:

A. ALL SITE EXCAVATION SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL CONSULTANT'S RECOMMENDATIONS AS PART OF THE BROWNFIELD CLEANUP PROJECT, REFER TO PLANS BY OTHERS.

[X] CONSTRUCTION NOTES:

1. CIRCUIT ALL SITE LIGHTING TO PANEL MDP, CIRCUIT AS SHOWN. PROVIDE (2)#10, (1)#10G FOR IN 3/4" CONDUIT. SEE DETAIL 4 ON E502 FOR LIGHT POLE BASE FOUNDATION DETAIL.
2. PROVIDE (2) 5" CONDUIT WITH PULL WIRE FROM EXISTING HANDHOILE TO TRANSFORMER PAD FOR UTILITY PRIMARY CABLING TO TRANSFORMER .
3. PROVIDE TRANSFORMER EQUIPMENT PAD PER NATIONAL GRID'S SPECIFICATIONS.
4. PROVIDE (1)2" CONDUIT FOR POWER AND (1)1" CONDUIT FOR COMMUNICATIONS TO THE GENERATOR. SEE DRAWING E601 AND E501 FOR WIRING INFORMATION.
5. PROVIDE (3) 4" CONDUITS FROM TRANSFORMER SECONDARY TO PANEL MDP, SEE ONE LINE DIAGRAM ON E601 FOR WIRIGIN INFORMATION.
6. PROVIDE (2) 2" CONDUITS WITH PULL FROM EXISTING COMMUNICATION MANHOLE TO INSIDE THE ELECTRICAL ROOM FOR FUTURE COMMUNCATIONS. CAP INSIDE ELECTRICAL ROOM.
7. PROVIDE 2" CONDUIT WITH PULL WIRE FOR FUTURE GATE POWER.

Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

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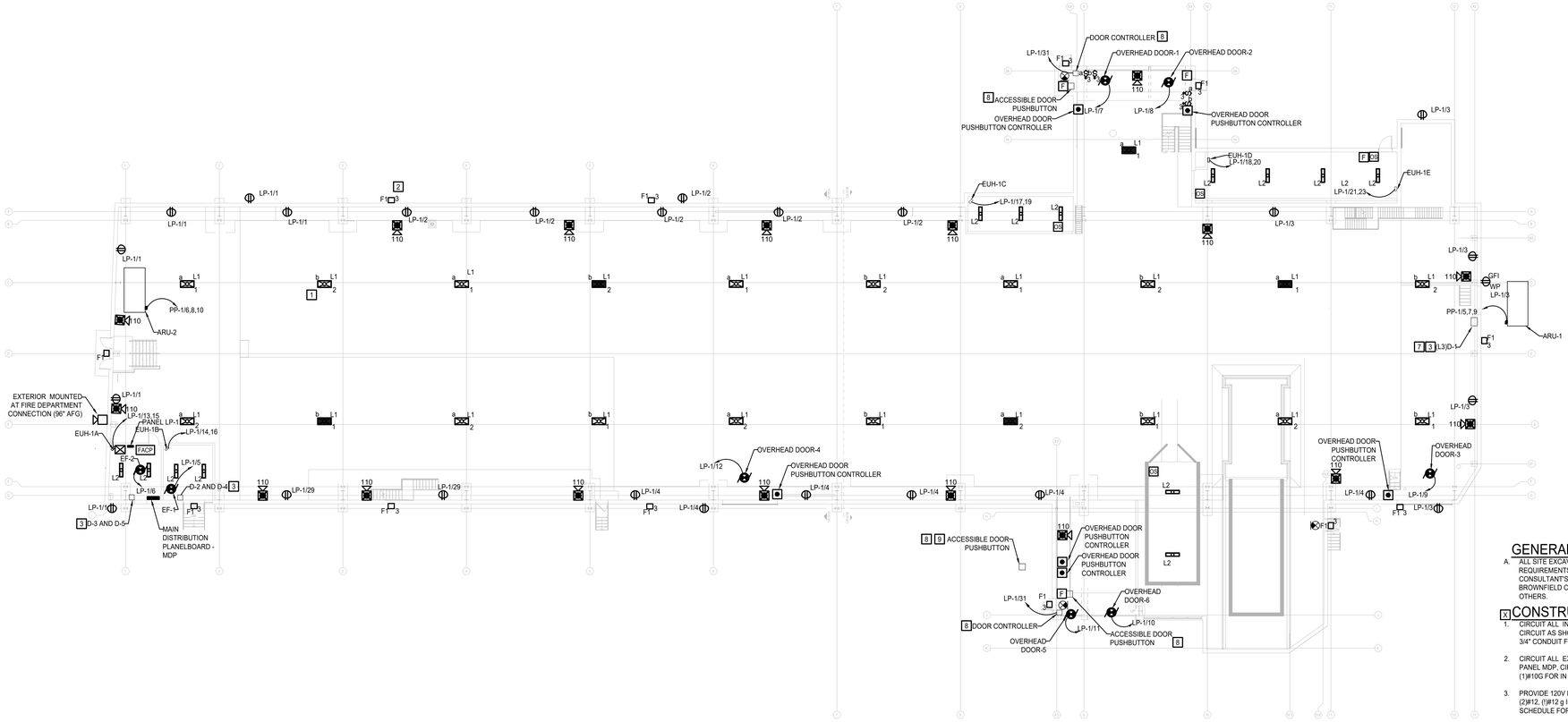
CONSULTANTS:

ELECTRICAL SITE PLAN

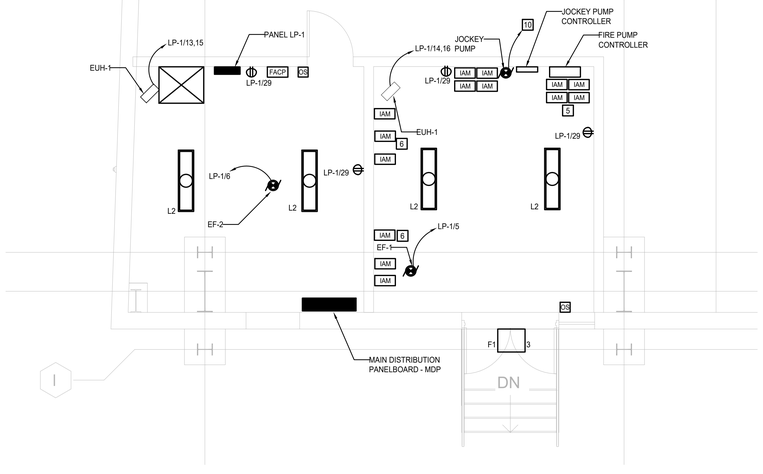
0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE: 09/23/2025
SCALE: AS NOTED
DWN. MSH CHK. JFW
PROJ.) No. 4820007
DWG.) No.

E100



1 POWER AND LIGHTING LAYOUT
SCALE: 1/16"=1'



2 ENLARGED ELECTRICAL/FIRE PUMP ROOM LAYOUT
SCALE: 1/4"=1'

GENERAL NOTES:

A. ALL SITE EXCAVATION SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL CONSULTANT'S RECOMMENDATIONS AS PART OF THE BROWNFIELD CLEANUP PROJECT, REFER TO PLANS BY OTHERS.

X CONSTRUCTION NOTES:

1. CIRCUIT ALL INTERIOR LIGHTING TO PANEL MDP. CIRCUIT AS SHOWN. PROVIDE (2)#10, (1)#10G FOR IN 3/4" CONDUIT FOR EACH CIRCUIT.
2. CIRCUIT ALL EXTERIOR WALL PACK LIGHTING TO PANEL MDP, CIRCUIT AS SHOWN. PROVIDE (2)#10, (1)#10G FOR IN 3/4" CONDUIT FOR EACH CIRCUIT.
3. PROVIDE 120V POWER TO EACH DAMPER, PROVIDE (2)#12, (1)#12 g IN 3/4" CONDUIT. SEE PANEL SCHEDULE FOR CIRCUIT INFORMATION.
4. CIRCUIT LIGHTING IN THIS AREA TO PANEL MDP PROVIDE (2)#12, (1)#12G IN 3/4" CONDUIT.
5. PROVIDE (4) ADDRESSABLE MODULES & INTERFACE TO FIRE PUMP CONTROLLER TO REPORT EACH OF THE FOLLOWING CONDITIONS:
   - FIRE PUMP RUNNING
   - FIRE PUMP LOSS OF LINE POWER
   - FIRE PUMP LINE-POWER PHASE REVERSAL
   - FIRE PUMP CONNECTION TO ALTERNATE POWER

   INSTALL EACH MODULE IN A SEPARATE JUNCTION BOX
6. PROVIDE INDIVIDUAL ADDRESSABLE MONITORING MODULE AT EACH FLOW AND TAMPER SWITCH REQUIRED FOR THE FIRE PROTECTION SYSTEM. (TOTAL OF 8 TAMPER AND 2 FLOW). SEE FIREPROTECTION DRAWINGS FOR LOCATIONS.
7. THERE ARE (2) DAMPERS ASSOCIATED WITH L3. PROVIDE POWER TO BOTH FROM THE SAME CIRCUIT.
8. EQUIPMENT TO BE FURNISHED BY HARDWARE SUPPLIER, INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE (2) #18 AWG IN 3/4" CONDUIT BETWEEN PUSH BUTTON AND CONTROLLER. PROVIDE (2) #12, (1) #12 IN 3/4" CONDUIT FROM CONTROLLER TO POWER PANEL.
9. POST MOUNT PUSH BUTTON ON EXTERIOR ROUTE CONDUIT UNDERGROUND TO DOOR CONTROLLER.
10. JOCKEY PUMP FED FROM MDP. SEE ONE LINE DIAGRAM ON E601 FOR CONDUIT AND WIRE INFORMATION. CONTROLLER AND JOCKEY PUMP FED FROM THE SAME CIRCUIT.

NO.	REVISIONS	DATE
1	ISSUED FOR PERMIT	10/1/25
0	ISSUED FOR BID	10/1/25

DWG. TITLE

ELECTRICAL POWER & LIGHTING PLAN

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE
SCALE AS NOTED
DWN. MSH CHK. JFW
PROJ. No.
DWG. No.

E101

T

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT								POWER SUPPLY					CONTROL DEVICES													
ITEM DESIGNATION	EQUIPMENT NAME	ROOM/LOCATION	HP	kW	AMPS	PHASE	VOLTAGE	SOURCE	CIRCUIT BREAKER	CONDUCTOR SIZE (AWG) COPPER	GROUND SIZE (AWG) COPPER	RACEWAY SIZE	DISCONNECT SWITCH			STARTER NEMA SIZE	COMBINATION FVNR MOTOR STARTER/DISCONNECT SWITCH	FRACTIONAL HP DISCONNECT SWITCH	DISCONNECT SWITCH AT UNIT (SUPPLIED BY OTHERS)	PACKAGED CONTROL UNIT (SUPPLIED BY OTHERS)	THERMOSTAT CONNECTION AND WIRING	VARIABLE FREQUENCY DRIVE (PROVIDED BY OTHERS)	DUCT DETECTOR WITH TEST STATION		FIRE ALARM/ EMS INTERFACE		NOTES
													SWITCH AMPS	FUSE AMPS	LOCATION							RETURN	SUPPLY	RETURN	SUPPLY	
ARU-1	AIR ROTATION UNIT	INTERIOR NORTH SIDE			42.9	3	480	SWBD-M	60A/3P	(3) #6	#10	1"	60A		AT UNIT												1
ARU-2	AIR ROTATION UNIT	EXTERIOR SOUTH SIDE			42.9	3	480	SWND-M	60A/3P	(3) #6	#10	1"	60A		AT UNIT												1
EF-1	EXHAUST FAN	FIRE PUMP ROOM	0.3	0.7	5.8	1	120	LP-1	15A/1P	(2) #12	#12	3/4"			AT UNIT				X							
EF-2	EXHAUST FAN	ELECTRICAL ROOM	0.3	0.7	5.8	1	120	LP-1	15A/1P	(2) #12	#12	3/4"			AT UNIT				X							
EUH-1A	ELECTRICAL UNIT HEATER	ELECTRICAL ROOM		3.3	15.9	1	208	LP-1	20A/2P	(2)#12	#12	3/4"	30A		AT UNIT											
EUH-1B	ELECTRICAL UNIT HEATER	FIRE PUMP ROOM		3.3	15.9	1	208	LP-1	20A/2P	(2)#12	#12	3/4"	30A		AT UNIT											
EUH-1C	ELECTRICAL UNIT HEATER	BATHROOM		3.3	15.9	1	208	LP-1	20A/2P	(2)#12	#12	3/4"	30A		AT UNIT											
EUH-1D	ELECTRICAL UNIT HEATER	LOCKER ROOM		3.3	15.9	1	208	LP-1	20A/2P	(2)#12	#12	3/4"	30A		AT UNIT											
EUH-1E	ELECTRICAL UNIT HEATER	LOCKER ROOM		3.3	15.9	1	208	LP-1	20A/2P	(2)#12	#12	3/4"	30A		AT UNIT											
D-1	MOTORIZED DAMPER	ARU-1				1	120	LP-1	15A/1P	(2)#12	#12	3/4"														
D-2	MOTORIZED DAMPER	FIRE PUMP ROOM				1	120	LP-1	15A/1P	(2)#12	#12	3/4"														
D-3	MOTORIZED DAMPER	ELECTRICAL ROOM				1	120	LP-1	15A/1P	(2)#12	#12	3/4"														
D-4	MOTORIZED DAMPER	FIRE PUMP ROOM				1	120	LP-1	15A/1P	(2)#12	#12	3/4"														
D-5	MOTORIZED DAMPER	ELECTRICAL ROOM				1	120	LP-1	15A/1P	(2)#12	#12	3/4"														

MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

1. PROVIDE HACR TYPE CIRCUIT BREAKER FOR THIS EQUIPMENT.
2. EXISTING FIRE ALARM DUCT DETECTORS LOCATED DOWNSTREAM OF THE AIR HANDLING UNIT ARE TO REMAIN FOR REUSE.
3. REUSE EXISTING EMERGENCY POWER FEED FOR THE SMOKE PURGE SYSTEM. MAKE ALL REQUIRED ELECTRICAL TERMINATIONS FOR THE SMOKE PURGE SYSTEM.

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	SHIELDING	DRIVER	LIGHT SOURCE	INPUT WATTS	BASIS OF DESIGN
L1	2X4,LED HIGH BAY WITH FOLLOWING MINIMUM SPECIFICATIONS: DURABLE CRS AND ALUMINUM HOUSING WITH WHITE ENAMEL FINISH, HIGH PERFORMANCE EFFICACY (165LM/W). LIGHT STABILIZED, ACRYLIC PRISMATIC LENS	SUSPENDED MOUNT 49'AFF	LIGHT STABILIZED, ACRYLIC PRISMATIC LENS	TYPE: (4) LED DRIVERS VOLTAGE: 120-277VAC DIMMING: 0-10V EMERGENCY: INTEGRAL EMERGENCY BATTERY/DRIVER, WHERE INDICATED ON PLANS	TYPE: (1) LED ARRAY LUMENS: 60000 DELIVERED CCT: 5000K CRI: 80 MIN	367	METALUX - HBLED-LD5-60HE-W-UNV-L850 OR EQUAL
F1	LED WALLPACK, 0-10V DIMMING, DIE-CAST ALUMINUM HOUSING WITH A UV-RESISTANT, THERMOSET POLYESTER POWDER COATED FINISH, UL LISTED FOR WET LOCATIONS. HIGH-IMPACT BOROSILICATE GLASS LENS.	SURFACE	LENSED	TYPE: (1) LED DRIVER VOLTAGE: 120-277VAC DIMMING: 0-10V EMERGENCY: INTEGRAL EMERGENCY BATTERY/DRIVER, WHERE INDICATED ON PLANS	SOURCE: (1) LED ARRAY LUMENS: 4755 DELIVERED CCT: 4000K CRI: 85 MIN	55	TRACE LITE - TLED106P SERIES OR EQUAL
L2	1X4, LED INDUSTRIAL STRIP WITH FOLLOWING MINIMUM SPECIFICATIONS: HEAVY GAUGE COLD ROLLED STEEL HOUSING, LED PLATE AND END CAPS. SUITABLE FOR DAMP LAOCATIONS	SURFACE	ENCLOSED ACRYLIC LENS	TYPE: (1) LED DRIVER VOLTAGE: 120-277VAC DIMMING: 0-10V, DOWN TO 10% EMERGENCY: INTEGRAL EMERGENCY BATTERY/DRIVER, WHERE INDICATED ON PLANS	SOURCE: (1) LED ARRAY LUMENS: 4,199 DELIVERED CCT: 4000K CRI: 80 MIN	29.3	DAY-BRITE - FSI SERIES OR EQUAL
S1	LED AREA LUMINAIRE, LOW PROFILE, TYPE II DISTRIBUTION ONE PIECE DIE CAST ALUMINUM HOUSING, IP65 RATED, VIBRATION TESTED TO ANSI C136.31-2018.	POLE (25')		TYPE: (1) LED DRIVER, VOLTAGE: 120-277VAC DIMMING: 0-10V EMERGENCY:	SOURCE: (1) LED ARRAY LUMENS: 13,685 DELIVERED CCT: 4000K CRI: 70 MIN	106	GARDCO - ECF-S SERIES OR EQUAL
EXA	ILLUMINAITED "EXIT" SIGN. CONSTRUCTED OF SPECIFICATION-GRADE DIE-CAST ALUMINUM BODY WITH SOFT CORNERS. DESIGNED FOR SELF POWERED OPERATION WITH BATTERY BACKUP & INTEGRAL TEST CAPABILITY. UNIVERSAL MOUNTING CAPABILITY. UNIVERSAL SHEVRON STYLE KNOCKOUTS. REFER TO DRAWINGS FOR REQUIRED DIRECTIONS. SHALL BE DESIGNED & MANUFACTURED TO MEET UL 924 STANDARD. FIXTURE MUST BE BUY AMERICA COMPLIENT.	SURFACE	NA	TYPE: (1) LED DRIVER VOLTAGE: 120-277VAC DIMMING: NA EMERGENCY: INTEGRAL BATTERY PACK	SOURCE: LED ARRAY LUMENS: NA CCT: NA CRI: NA	2.7	EXITRONIX - 400EX SERIES OR EQUAL

GENERAL LUMINAIRE SCHEDULE NOTES:

A. UNLESS OTHERWISE NOTED, BASIS OF DESIGN MANUFACTURER'S NAMES AND CATALOG NUMBERS ARE USED FOR QUALITY AND PERFORMANCE ONLY. WHERE INDICATED "OR EQUAL" LUMINAIRE AND THEIR ASSOCIATED DEVICES MANUFACTURED BY OTHERS SHALL BE EQUALY ACCEPTABLE PROVIDED THEY MEET OR EXCEED IN PERFORMACE AND QUALITY OF THE BASIS OF DESIGN LUMINAIRE.

B. CONTRACTOR SHALL VERIFY VOLTAGE SUPPLY TO EACH LUMINAIRE PRIOR TO ORDERING THE APPROVED FIXTURE.

C. ALL LUMINIARES SHALL BE FURNISHED COMPLETE WITH SPECIFIED LAMPS IF APPLICABLE.

D. LUMINAIRES SHALL BE INDEPENDENTLY SUPPORTED IN ACCORDANCE WITH ALL APPLICABLE CODES & SPECIFICATIONS

E. CONTRACTOR SHALL VERIFY CEILING TYPE FOR EACH LUMINAIRE LOCATION & ORDER ACCORDINGLY.

F. ALL LED LUMINAIRES SHALL BE DESIGNED & MANUFACTURED IN ACCORDANCE WITH IESNA LM-79 & LM-80 STANDARDS.

G. CONTRACTOR SHALL VERIFY ALL MOUTING REQUIREMENTS OF EACH EXIT SIGN PRIOR TO ORDERING, AS WELL AS DIRECTIONAL REQUIREMENTS.

H. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING LUMINAIRE AND INSTALLATION REQUIREMENTS. PROVIDE ALL LISTED OPTIONS AND ACCESSORIES.

I. UNLESS OTHERWISE NOTED, REMOTE POWER SUPPLIES SHALL BE LOCATED IN NEARBY, DRY, VENTILATED LOCATION, MINIMIZE DISTANCE AND PROVIDE CONDUCTOR SIZE AS REQUIRED BY THE MANUFACTURER.

J. UNLESS OTHERWISE NOTED, ALL EMERGENCY BATTERY/DRIVERS SHALL BE WIRED FOR A SWITCHED CIRCUIT. REFER TO MANUFACTURER INSTRUCTIONS FOR WIRING INFORMATION

PANELBOARD SCHEDULE

PANELBOARD: **LP-1** (NAME) — VOLTS: **208 Y/120** 3Ø 4-WIRE; BUS CAPACITY: **400** A; AIC: **42kA**; MCB: **400** A; MTG: **SURFACE**; MLO: ; ENCL: **NEMA 1**; **ELECTRICAL ROOM** (LOCATION)

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20/1	RECEPTACLES	REC	1080	2160			1080	REC	RECEPTACLES	20/1	2
3	20/1	RECEPTACLES	REC	1080		1980		900	REC	RECEPTACLES	20/1	4
5	15/1	EXHAUST FAN EF-1	PWR	696			1392	696	PWR	EXHAUST FAN EF-2	15/1	6
7	20/1	OVERHEAD DOOR -1	PWR	1656	3312			1656	PWR	OVERHEAD DOOR -2	20/1	8
9	20/1	OVERHEAD DOOR -3	PWR	1656		3312		1656	PWR	OVERHEAD DOOR -4	20/1	10
11	20/1	OVERHEAD DOOR -5	PWR	1656			3312	1656	PWR	OVERHEAD DOOR -6	20/1	12
13	20/2	EUH-1A	PWR	1650	3300			1650	PWR	EUH-1B	20/2	14
15			PWR	1650		3300		1650	PWR			16
17	20/2	EUH-1C	PWR	1650			3300	1650	PWR	EUH-1D	20/2	18
19			PWR	1650	3300			1650	PWR			20
21	20/2	EUH-1E	PWR	1650		1750		100	PWR	DAMPER D-1	15/1	22
23			PWR	1650			1750	100	PWR	DAMPER D-2	15/1	24
25	20/1	EXIT SIGNS	LTG	100	200			100	PWR	DAMPER D-3	15/1	26
27	20/1	SPARE	PWR			100		100	PWR	DAMPER D-4	15/1	28
29	20/1	RECEPTACLES	REC	1080			1180	100	PWR	DAMPER D-5	15/1	30
31	20/1	DOOR CONTROLLERS	PWR	100	100							32
33						0						34
35							0					36
37	20A/1P	SPARE			0					SPARE	20A/1P	38
39	20A/1P	SPARE				0				SPARE	20A/1P	40
41	20A/1P	SPARE					0			SPARE	20A/1P	42

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Hon. Christopher P. Scanlon, Chairman

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0	ISSUED FOR BID	10/1/25

DWG. TITLE

ELECTRICAL SCHEDULES

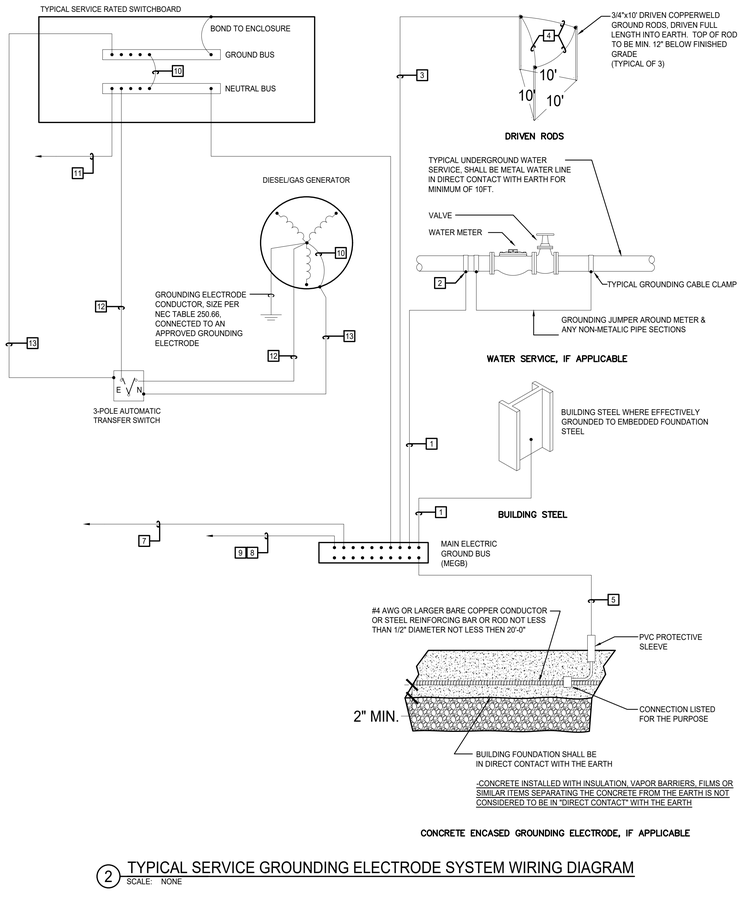
0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 6/27/2025
SCALE AS NOTED
DWN. MSH CHK JFW
PROJ. No. 432607
DWG. No.

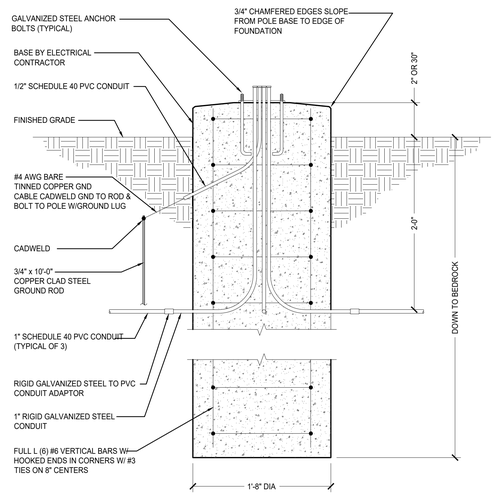
E501

X DETAIL NOTES:

1. THE GROUNDING ELECTRODE CONDUCTORS SHALL BE SIZED PER NEC TABLE 250.66. THE CONDUCTOR SHALL BE CONNECTED TO AN APPROVED GROUNDING ELECTRODE.
2. CONNECTION SHALL BE MADE WITHIN 5'-0" OF THE BUILDING ENTRANCE PER NEC 250.52(A)(1).
3. GROUND ROD ELECTRODE - PROVIDE PER NEC 250.66(A). PROVIDE 600V CONDUCTOR IN PVC RACEWAY.
4. BONDING CONDUCTOR, #4/0 BARE COPPER GROUNDING CONDUCTOR, INSTALL MIN. 12" BELOW FINISHED GRADE (TYPICAL).
5. GROUNDING ELECTRODE SYSTEM CONDUCTOR, SIZED PER NEC TABLE 250.66.
6. NOT USED.
7. PROVIDE GROUND TO OTHER POINTS & EQUIPMENT AS REQUIRED BY NEC ARTICLE 250 & SPECIFICATIONS.
8. PROVIDE BONDING FOR METAL WATER PIPING & STRUCTURAL STEEL THAT IS NOT INTENTIONALLY GROUNDED PER NEC 250.104 & NEC TABLE 250.66.
9. PROVIDE BONDING FOR OTHER METAL PIPING SUCH AS GAS, & ETC. PER NEC 250.104 & NEC TABLE 250.122.
10. MAIN BONDING JUMPER SIZED PER NEC TABLE 250.66.
11. MAIN SERVICE PHASE CONDUCTORS WITH GROUNDED NEUTRAL CONDUCTOR(S).
12. GROUNDED NEUTRAL CONDUCTOR(S).
13. EQUIPMENT GROUND CONDUCTOR, SIZED PER NEC TABLE 250.122.



2 TYPICAL SERVICE GROUNDING ELECTRODE SYSTEM WIRING DIAGRAM
SCALE: NONE



NOTES:

A. CONTRACTOR SHALL COMPACT ALL BACKFILL.

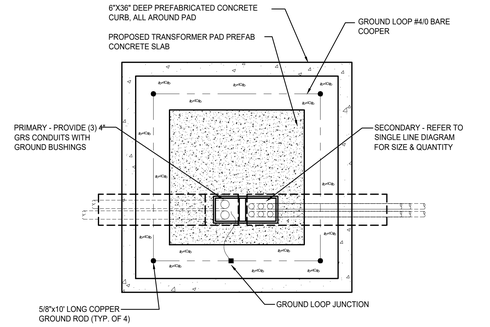
B. PROVIDE MIN. 3000 PSI CONCRETE.

C. EXTEND ALL CONDUITS 6" INTO POLE CAVITY.

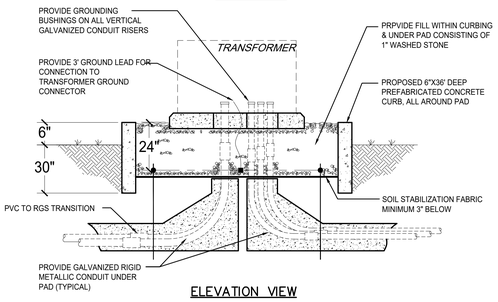
D. CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS WITH SELECTED LUMINAIRE MANUFACTURER & ADJUST (INCREASE) ANY DIMENSIONS AS REQUIRED.

E. PRE CAST FOUNDATION IS NOT ALLOWED.

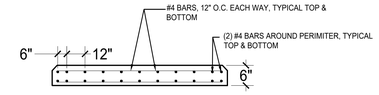
4 SITE LIGHTING POLE BASE DETAIL
SCALE: NONE



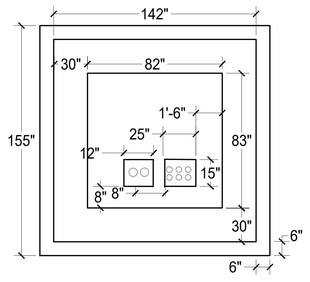
PLAN VIEW



ELEVATION VIEW



TRANSFORMER PAD SECTION VIEW



TRANSFORMER PAD DIMENSIONS

NOTES:

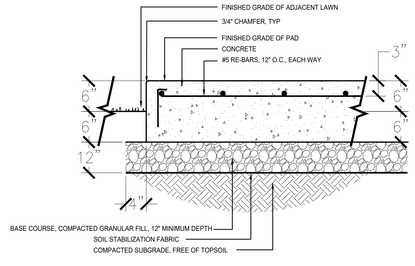
A. DIRECTION OF CONDUITS AND DUCTBANK TO BE AS SHOWN ON SITE PLAN.

B. METALLIC CONDUITS, WHEN USED, SHALL BE GROUNDED USING GROUNDING BUSHINGS CONNECTED TO GROUND GRID, EACH END.

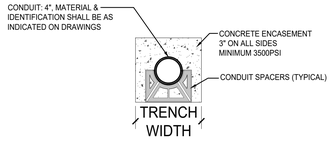
C. COORDINATE AND ADJUST WORK AS REQUIRED BY UTILITY COMPANY BEFORE PROCEEDING, AS PART OF CONTRACT.

D. INSTALL IN ACCORDANCE WITH NATIONAL GRID ESB 759B

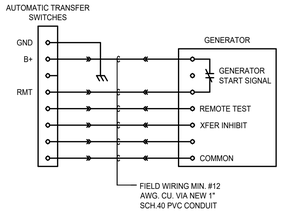
1 TRANSFORMER PAD DETAILS
SCALE: NONE



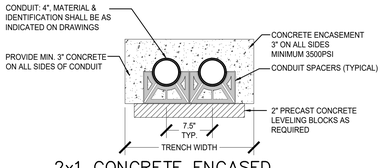
8 TYPICAL GENERATOR PAD DETAILS
SCALE: NONE



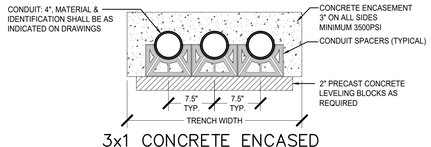
1x1 CONCRETE ENCASED DUCTBANK SECTION (TYPICAL)
SCALE: NONE



3 TYPICAL GENERATOR START CIRCUIT WIRING
SCALE: N.T.S.



2x1 CONCRETE ENCASED DUCTBANK SECTION (TYPICAL)
SCALE: NONE



3x1 CONCRETE ENCASED DUCTBANK SECTION (TYPICAL)
SCALE: NONE

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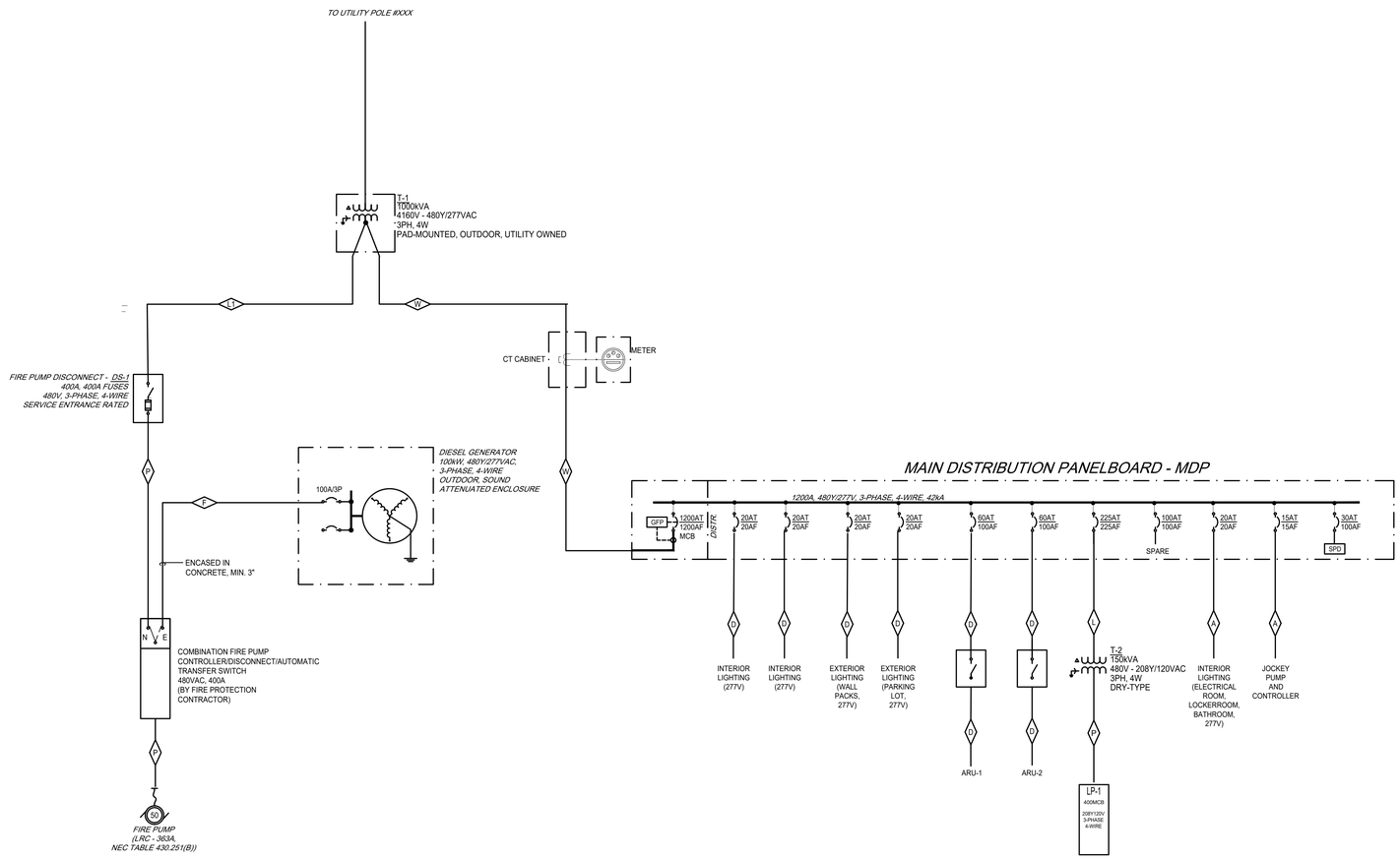
DWG. TITLE

ELECTRICAL DETAILS

GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	06/27/2025
SCALE	AS NOTED
DWN.	MSH
CHK.	JFW
PROJ. No.	432607
DWG. No.	

502



1 ONE LINE DIAGRAM
SCALE: NTS

FEEDER SIZE SCHEDULE
(COPPER)

OVER-CURRENT DEVICE RATING	WIRE SIZE AWG OR KCMIL			4-WIRE FEEDERS WITH EQUIPMENT GROUND		3-WIRE FEEDERS WITH EQUIPMENT GROUND		4-WIRE SEPARATELY DERIVED SYSTEM FEEDERS GROUNDING ELECTRODE CONDUCTOR			4-WIRE FEEDERS W/O EQUIPMENT GROUND (UTILITY SECONDARY)	
	PHASE & NEUTRAL		GND.	◇	CONDUIT SIZE	◇	CONDUIT SIZE	◇	GEC	CONDUIT SIZE	◇	CONDUIT SIZE
20	12		12	A	3/4"	A1	3/4"	A2	8	3/4"	A3	3/4"
30	10		10	B	3/4"	B1	3/4"	B2	8	3/4"	B3	3/4"
40	8		10	C	3/4"	C1	3/4"	C2	8	3/4"	C3	3/4"
60	6		10	D	1"	D1	1"	D2	8	1"	D3	1"
70	4		8	E	1-1/4"	E1	1-1/4"	E2	8	1-1/4"	E3	1 1/4"
100	2		8	F	1-1/4"	F1	1-1/4"	F2	8	1-1/4"	F3	1 1/4"
110	1		6	G	1-1/2"	G1	1-1/2"	G2	6	1-1/2"	G3	1 1/2"
125	1/0		6	H	2"	H1	2"	H2	6	2"	H3	2"
150	1/0		6	I	2"	I1	2"	I2	6	2"	I3	2"
175	2/0		6	J	2"	J1	2"	J2	4	2"	J3	2"
200	3/0		6	K	2"	K1	2"	K2	4	2"	K3	2"
225	4/0		4	L	2-1/2"	L1	2-1/2"	L2	2	2-1/2"	L3	2 1/2"
250	250		4	M	2-1/2"	M1	2-1/2"	M2	2	2-1/2"	M3	2 1/2"
300	350		4	N	3"	N1	3"	N2	2	3"	N3	3"
350	500		2	O	3"	O1	3"	O2	2	3"	O3	3"
400	600		2	P	3"	P1	3"	P2	1/0	3"	P3	3"
450	(2) 4/0		2	Q	(2) 2-1/2"	Q1	(2) 2-1/2"	Q2	1/0	(2) 2-1/2"	Q3	(2) 2-1/2"
500	(2) 250		2	R	(2) 2-1/2"	R1	(2) 2-1/2"	R2	1/0	(2) 2-1/2"	R3	(2) 2-1/2"
600	(2) 350		1	S	(2) 4"	S1	(2) 4"	S2	3/0	(2) 4"	S3	(2) 4"
700	(2) 500		1/0	T	(2) 4"	T1	(2) 4"	T2	3/0	(2) 4"	T3	(2) 4"
800	(2) 600		1/0	U	(2) 4"	U1	(2) 4"	U2	3/0	(2) 4"	U3	(2) 4"
1000	(3) 500		2/0	V	(3) 4"	V1	(3) 4"	V2	3/0	(3) 4"	V3	(3) 4"
1200	(3) 600		3/0	W	(3) 4"	W1	(3) 4"	W2	3/0	(3) 4"	W3	(3) 4"
1600	(4) 600		4/0	X	(4) 4"	X1	(4) 4"	X2	3/0	(4) 4"	X3	(4) 4"
2000	(5) 600		250	Y	(5) 4"	Y1	(5) 4"	Y2	3/0	(5) 4"	Y3	(5) 4"
2500	(6) 600		350	Z	(6) 4"	Z1	(6) 4"	Z2	3/0	(6) 4"	Z3	(6) 4"
3000	(8) 500		500	AA	(8) 4"	AA1	(8) 4"	AA2	3/0	(8) 4"	AA3	(8) 4"
4000	(10) 600		500	BB	(10) 4"	BB1	(10) 4"	BB2	3/0	(10) 4"	BB3	(10) 4"
5000	(12) 600		2-500	CC	(12) 4"	CC1	(12) 4"	CC2	3/0	(12) 4"	CC3	(12) 4"
6000	(16) 500		2-500	DD	(16) 4"	DD1	(16) 4"	DD2	3/0	(16) 4"	DD3	(16) 4"

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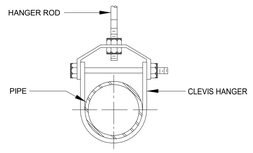
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DWG. TITLE

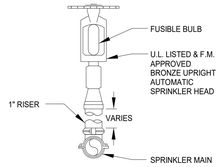
ELECTRICAL ONE LINE DIAGRAM

0 1" 2"
GENERIC SCALE BAR
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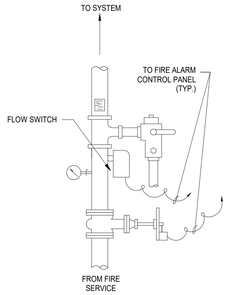
DATE	06/27/2025
SCALE	AS NOTED
DWN.	MSH
CHK.	JFW
PROJ. No.	432607
DWG. No.	**E601**



1 TYPICAL PIPE SUPPORT DETAIL
SCALE: NOT TO SCALE



2 TYPICAL UPRIGHT SPRINKLER RISER DETAIL
SCALE: NOT TO SCALE



3 TYPICAL FIRE RISER DETAIL
SCALE: NOT TO SCALE

FIRE PROTECTION ABBREVIATIONS

AC	AIR COMPRESSOR
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DPV	DRY PIPE VALVE
EC	ELECTRICAL CONTRACTOR
FACP	FIRE ALARM CONTROL PANEL
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FP	FIRE PUMP
FPC	FIRE PROTECTION CONTRACTOR
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
JP	JOCKEY PUMP
MC	MECHANICAL CONTRACTOR
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PC	PLUMBING CONTRACTOR
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW

FIRE PROTECTION SYMBOLS

- FIRE PROTECTION PIPING (ABOVE GRADE)
- FIRE PROTECTION PIPING (BELOW GRADE)
- EXISTING FIRE PROTECTION PIPING
- FIRE PROTECTION DEMOLITION PIPING
- SHUT-OFF VALVE (GATE, BALL, ETC.)
- CHECK VALVE
- PRESSURE REDUCING VALVE
- BRANCH CONNECTION - BOTTOM
- BRANCH CONNECTION - TOP
- ELBOW - TURNED DOWN
- ELBOW - TURNED UP
- CAP
- DIRECTION OF FLOW
- UPRIGHT SPRINKLER HEAD
- PENDENT SPRINKLER HEAD
- DRY PENDENT SPRINKLER HEAD
- CONCEALED SPRINKLER HEAD
- DRY CONCEALED SPRINKLER HEAD
- SIDE WALL SPRINKLER HEAD
- DRY TYPE SIDE WALL SPRINKLER HEAD
- SPRINKLER HEAD EXISTING TO REMAIN
- SPRINKLER HEAD TO BE REMOVED
- BACKFLOW PREVENTER (BFP)
- FIRE HOSE CABINET
- FIRE DEPARTMENT CONNECTION
- OS&Y VALVE
- FLOW SWITCH
- POINT OF CONNECTION
- POINT OF DISCONNECTION

GENERAL NOTES

1. THIS LEGEND SHEET IS FOR CONTRACTOR REFERENCE ONLY. NOT ALL SYMBOLS AND/OR ABBREVIATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/OR EXCLUSION OF ANY PARTICULAR ITEM FROM THE PROJECT.
2. THE PLANS ARE DIAGRAMMATIC AND INDICATE ONLY THE SIZE AND GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. EXACT LOCATION OF ALL ELEMENTS SHALL BE DETERMINED AS WORK PROGRESSES, IN COOPERATION AND COORDINATION WITH THE WORK OF ALL OTHER TRADES. IT IS NOT INTENDED TO SHOW EVERY ITEM OF WORK OR MINOR PIECE OF EQUIPMENT, BUT THE CONTRACTOR SHALL FURNISH AND INSTALL WITHOUT ADDITIONAL REMUNERATION ANY COMPONENT NECESSARY TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
3. ITEMS OF WORK OR EQUIPMENT SHOWN ON THE DRAWINGS ONLY, OR CALLED FOR IN THE SPECIFICATIONS ONLY, SHALL BE FURNISHED AND INSTALLED IN THE SAME MANNER AS IF THEY APPEARED ON BOTH THE DRAWINGS AND SPECIFICATIONS.
4. DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATIONS, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL MAKE SUCH CHANGES IN PIPING AND LOCATION OF EQUIPMENT, ETC. TO ACCOMMODATE WORK WITH THAT OF OTHER CONTRACTORS.
5. INSTALL EQUIPMENT AND PIPING TO AVOID INTERFERENCE WITH THE OPERATION OR SERVICING AND MAINTENANCE OF EQUIPMENT.
6. ALL COSTS FOR CUTTING, PATCHING AND PAINTING OF EXISTING WALLS, CEILINGS AND FLOORS TO ACCOMMODATE THE INSTALLATION OF FIRE PROTECTION WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS INDICATED OTHERWISE. MATERIALS FOR RESTORATION OF EXISTING SURFACES SHALL MATCH THE EXISTING MATERIALS.
7. PIPES PENETRATING FIRE WALLS AND FLOORS SHALL BE FIRESTOPPED AS SPECIFIED. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIRE WALL AND FLOOR LOCATIONS.
8. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE CONTRACTOR IS RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY USE OF ITEMS BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.
9. COMPLY WITH THE NEW YORK STATE BUILDING CODES, NFPA 13 AND OTHER APPLICABLE CODES.
10. COORDINATE CONNECTION OF SUPERVISORY SWITCHES, FLOW SWITCHES, AND OTHER SIMILAR DEVICES TO THE FIRE ALARM SYSTEM.
11. FIRE PROTECTION SYSTEM SHALL BE A DELEGATED DESIGN AS DEFINED IN THE SPECIFICATIONS. SYSTEM TO BE HYDRAULICALLY DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.

FIRE PROTECTION EQUIPMENT SCHEDULE

PLAN DESIGNATION	MANUFACTURER MODEL NO.	LOCATION	DESCRIPTION	NOTES
BFP-1	ZURN MODEL 350DA 8"	FIRE PUMP ROOM	DOUBLE CHECK DETECTOR ASSEMBLY	1,2

NOTES:
1. PROVIDE BACKFLOW WITH OS&Y GATE VALVE WITH TAMPER SWITCH ON INLET AND OUTLET.
2. PROVIDE WITH FLANGED INLET AND OUTLET CONNECTIONS.

FIRE PUMP SCHEDULE

PLAN DESIGNATION	MANUFACTURER MODEL NO.	PUMP DRIVER	LOCATION	DESCRIPTION	ARRANGEMENT	SERVICE	FLOW RATE (GPM)	PRESSURE (PSI)	SUCTION STATIC HEAD AT PUMP* (PSI)	PUMP-START PRESSURE SETTING (ADJUSTABLE) (PSI)	PUMP-STOP PRESSURE SETTING (ADJUSTABLE) (PSI)	INLET SIZE	OUTLET SIZE	ELECTRICAL DATA				NOTES
														MOTOR BHP	MOTOR HP	MOTOR RPM	VOLTS/ PHASE	
FP-1	ARMSTRONG VIL 8X8X13	ELECTRIC MOTOR DRIVEN	WATER / FIRE PROTECTION	FIRE PUMP	INLINE	BUILDING FIRE LOOP AND SPRINKLER SYSTEM	1000	50	44	34	-	8	8	41.4	50	1800	460 / 3∅	1,3,4
JP-1	ARMSTRONG SERIES 4700 VMS-01:07B	ELECTRIC MOTOR DRIVEN	WATER / FIRE PROTECTION	JOCKEY PUMP	VERTICAL	BUILDING FIRE LOOP AND SPRINKLER SYSTEM	10	60	44	41	47	1 1/4"	1 1/4"	.72	.75	3600	460 / 3∅	2

NOTES:
1. PROVIDE INTEGRAL DISCONNECT, SOFT START FIRE PUMP CONTROLLER AND AUTOMATIC TRANSFER SWITCH. TORNATECH GPS-GPU OR APPROVED EQUAL.
2. PROVIDE ACROSS THE LINE JOCKEY PUMP CONTROLLER WITH INTEGRAL 460V TRANSFORMER, DUAL SETTING PRESSURE SWITCH AND DISCONNECT SWITCH WITH SAFETY DOOR INTERLOCK. TORNATECH JPLT SERIES OR APPROVED EQUAL
3. PROVIDE WITH CLASS 250 INLET AND OUTLET FLANGES.

CODE REVIEW

PROJECT LOCATION	BUFFALO - NEW YORK
PROJECT DESIGN DATE	04-24-2023
CITY SPECIFIC CODE	NO
COUNTY SPECIFIC CODE	NO
CURRENT STATE BUILDING CODE	2020 NEW YORK STATE BUILDING CODE
EFFECTIVE DATE	MAY 12, 2020
IBC	2018
IECC	2018
IFC	2018
IFGC	2018
IMC	2018
IPC	2018
REFERENCE	-
NFPA 13	2016

BUDC
Buffalo Urban Development Corporation
Hon. Christopher P. Scanlon, Chairman

BUFFALO URBAN DEVELOPMENT CORPORATION
631 NORTHLAND AVE.
BUFFALO, NY 14211

INDUSTRIAL MANUFACTURING BUILDING

ISSUED FOR BID

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204 E. Grand Avenue, Suite 200
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Wendel WD Architecture, Engineering, Surveying and Landscape Architecture, P.C.

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NO.	REVISIONS	DATE
1	ISSUED FOR PERMIT	10/1/25
0	ISSUED FOR BID	10/1/25

DWG. TITLE

SYMBOLS, ABBREVIATIONS, GENERAL NOTES

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

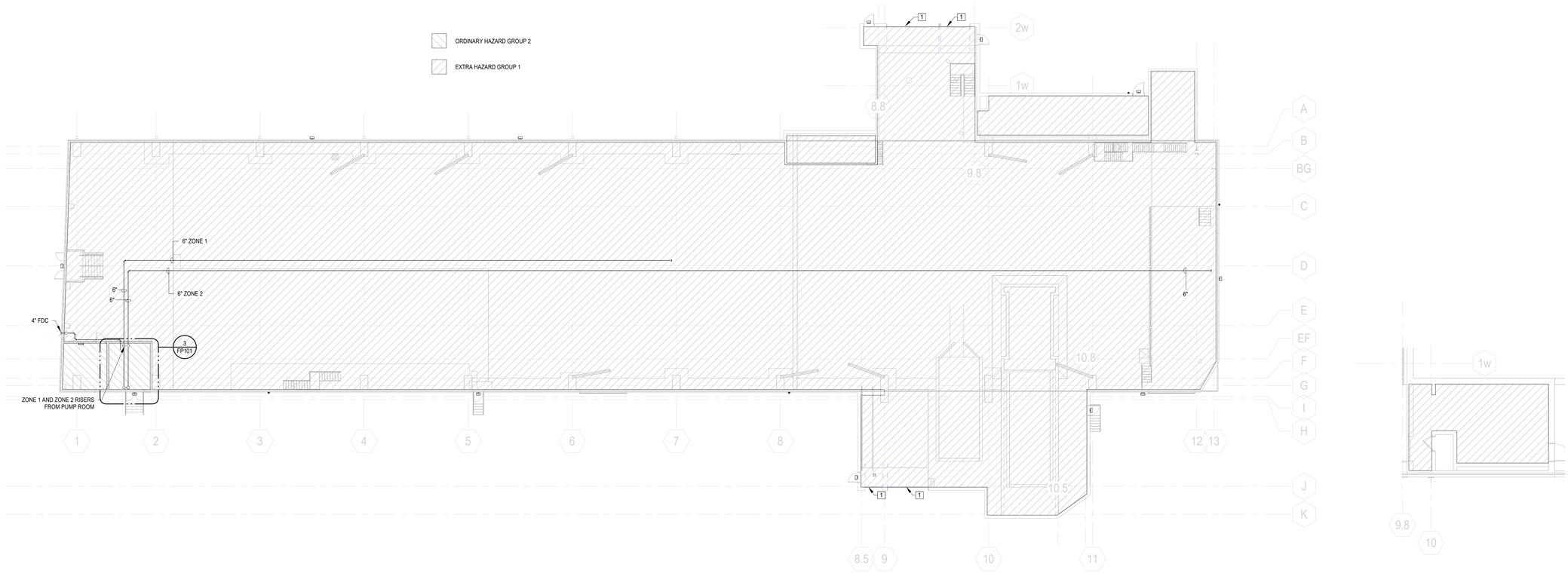
DATE	06/27/25
SCALE	1" = 1'-0"
DWN.	WJH
CHK.	JTW
PROJ. No.	432607
DWG. No.	FP001

GENERAL NOTES:

A. ENTIRE BUILDING IS DELEGATED DESIGN. PROVIDE SPRINKLER COVERAGE THROUGHOUT THE ENTIRE BUILDING. PROVIDE PROTECTION FOR ENTIRE CEILING AS WELL AS UNDER ALL CATWALKS, OVERHANGS, SECOND FLOOR PLATFORMS, AND WITHIN EQUIPMENT TO REMIAN SUCH AS FURNACE AND SAND BLASTER.

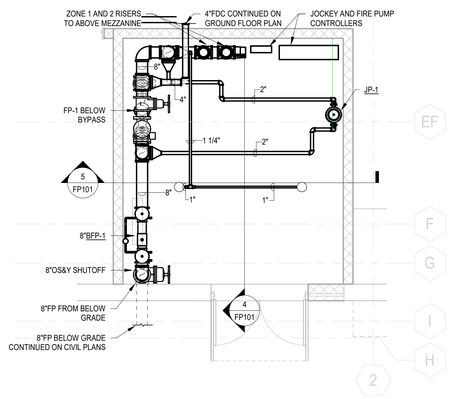
CONSTRUCTION NOTES:

1. PROVIDE SPRINKLER PROTECTION UNDER OVERHEAD DOOR.

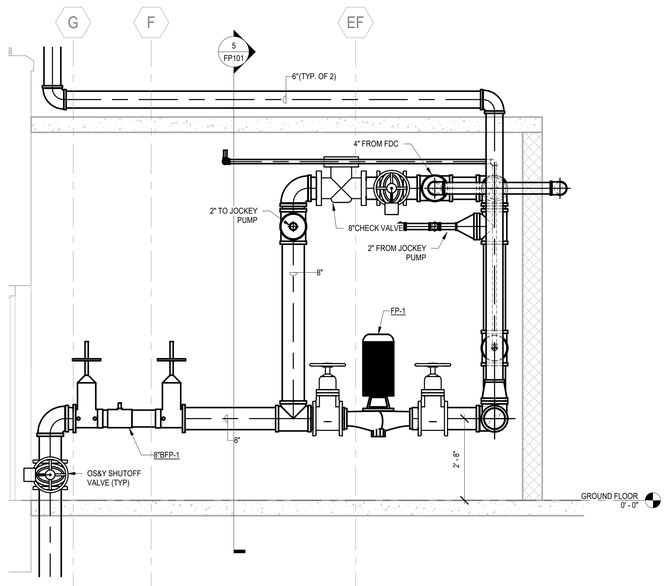


1 GROUND FLOOR
SCALE: 1/16" = 1'-0"

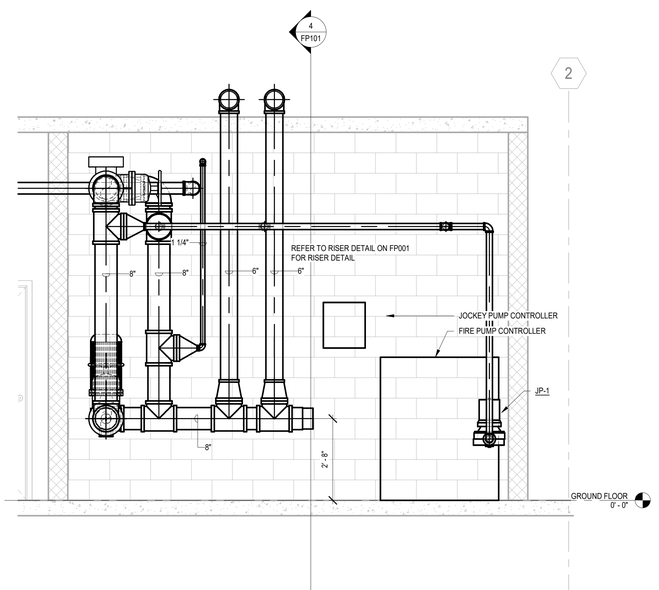
2 SECOND FLOOR RESTROOM
SCALE: 1/8" = 1'-0"



3 FIRE PUMP ROOM ENLARGED PLAN
SCALE: 1/4" = 1'-0"



4 FIRE PUMP SECTION
SCALE: 1/2" = 1'-0"



5 FIRE RISER SECTION
SCALE: 1/2" = 1'-0"

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0	ISSUED FOR BID	10/1/25

DWG. TITLE

FIRST FLOOR & RESTROOM PLANS

GENERIC SCALE BAR
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DATE	06/27/25
SCALE	As indicated
DWN.	WJH
CHK.	JTW
PROJ. No.	432607
DWG. No.	

FP101